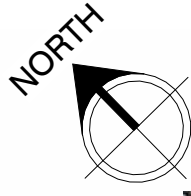


PROPOSED LEVANTY RESTAURANT
TENANT IMPROVEMENT



EXTERIOR OF (E) BUILDING 115 - SIUTE 107



SEE SITE OVERALL SITE PLAN
FOR PARKINGLOT CALCULATION

PROPOSED T.I SUITE

ADJACENT SUITE OCCUPANCY (B) -
MEXICAN FOOD RESTAURANT. NOT PART.

N MCKINLEY STREET

N MCKINLEY STREET

MAGNOLIA AVE.

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, ABBREVIATION & 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
ELEVATIONS SECTIONS & 3D VIEWS	A-005
ARCHITECTURAL DETAILS	A-006
ARCHITECTURAL DETAILS	A-007
MECHANICAL NOTES	M-01
MECHANICAL FLOOR PLAN	M-02
EXISTING SYSTEM MECHANICAL CALCULATIONS	M-03
TYPE I EXHAUST HOOD	M-04
EXHAUST HOOD GREASE DUCT	M-04.1
MECHANICAL SCHEDULE & DETAILS	M-05
MECHANICAL DETAILS	M-06
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TITLE 24 - MECHANICAL	M-08
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PLUMBING NOTES	P-00
PLUMBING SCHEDULES	P-001
PLUMBING WATER & GAS	P-002
PLUMBING WASTE & VENT	P-003
PLUMBING DETAILS	P-004
ELECTRICAL NOTES & SPECIFICATIONS	E-00
POWER PLAN	E-001
LIGHTING PLAN	E-002
SINGLE LINE DIAGRAM & SCHEDULES	E-003
STRUCTURAL NOTES	S-00
STRUCTURAL ABBREVIATIONS, SYMBOLS & SCHEDULES	S-0.1
ROOF FRAMING PLAN	S-01

TOTAL SHEETS: 37

APPLICABLE CODES

- LATEST VERSION OF CITY OF CORONA MUNICIPAL CODE COUNTY OF RIVERSIDE MUNICIPAL CODE & COUNTY OF RIVERSIDE/SANBERNARDINO HEALTH DEPARTMENT CODE.
- 2022 CALIFORNIA BUILDING CODE (CBC) / 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 (IEBC)
- 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 PLUMBING CODE (UPC)
- 2022 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN)
- 2022 CALIFORNIA ENERGY CODE
- 2022 CALIFORNIA FIRE CODE (C.F.C.), TITLE 24, C.C.R.

DEFERRED SUBMITTALS

- HOOD ANSUL SYSTEM (FIRE DEPARTMENT)
- ANY EXTERIOR SIGNAGE IS UNDER A SEPARATE PERMIT.

OWNER

Zaher Dakeilbab
DIRECTOR & CEO
E: LEVANTY@CORONA@GMAIL.COM
CELL : 424-355-4406

E: LEVANTY@CORONA@GMAIL.COM

PROJECT SCOPE OF WORK

- MINOR TENANT IMPROVEMENTS TO AN EXISTING RESTAURANT WITH TYPE I HOOD.
- UPGRADING THE EXISTING HOOD FROM 8 FEET TYPE I TO 16 FEET TYPE I.
- EXTENDING GAS LINE FROM GAS METER TO THE HOOD AREA FOR KITCHEN EQUIPMENT & INCREASING SIZE TO ACCOMMODATE THE EQUIPMENTS LOADS.
- REMOVING EXISTING POINTRY WALL AT CASHIER AND INSTALL NEW POINTRY WALL 3 FEET FURTHER TO PROVIDE MORE SPACE IN THE SERVICE AREA.
- EXISTING FINISHES/LIGHT FIXTURES /WATER/WASTE/VENT/ELECTRICAL/RESTROOM HVAC/CEILING/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 REQUIRED BUILDING CODES.
- 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
PRINCIPAL
MOSTAFA BAYOUMI, P.E
CIVIL ENGINEER E.O.R E: MOSTAFAPE@ACCANDENGINEERING.COM
MAGDY REZK, P.E
MECHANICAL ENGINEER E: MAGDY@ACCANDENGINEERING.COM
REED STOUT, P.E
ELECTRICAL ENGINEER E: REEDSTOUT@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 INSPECTOR.
- 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 WEBSITE WWW.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

ADDRESS:	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#:	4
LOT SIZE:	0.32 (NO CHANGES)
SUITE 107 SQUARE FOOTAGE:	1160 FT ² (NO CHANGES) GROSS AREA
LAND USE:	REGIONAL SHOPPING CENTER OR MALL
OCCUPANT LOAD:	16
NO. OF STORIES:	(ONE).
PROPOSED OCCUPANCY USE:	RESTAURANT WITH LESS THAN 50 OCCUPANTS
OCCUPANCY :	B
TYPE OF CONSTRUCTION:	V-B NON RATED
HIGH-RISE:	NO
FIRE ALARM:	YES
SPRINKLER TYPE:	NOT SPRINKLER
HANDICAP ACCESSIBILITY:	THIS PROJECT HAS BEEN DESIGNED TO BE COMPLAISANCE WITH THE STATE OF CALIFORNIA TITLE 24 ACCESSIBILITY REQUIREMENTS.

LEVANTY RESTAURANT NOTES:

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

REQUIRED PLUMBING FIXTURES

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

NOTES:

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

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

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
1	CUSTOMER ORDERING	B	52 ft. ² (NET)	1-5	11-1
	SERVICE AREA	B	171 ft. ² (NET)	200	1
	KITCHEN AREA	B	167 ft. ² (NET)	200	1
	DRY STORAGE	B	141 ft. ² (NET)	300	1
	RESTROOM + HALLWAY	B	344 ft. ² (NET)	200	2
TOTAL NET AREA : 820 SQ.FT			TOTAL OCCUPANCY 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'

ANALYSIS COMPLIANCE

CONDITION COMPLIES WITH 1006.2.1 AND A SINGLE EXIT IS ALLOWED.

2022 CBC TABLE 803.13

BUILDING ELEMENT FIRE RESISTANCE RATING

STORY	INTERIOR BUILDING ELEMENT TYPE	MIN. FIRE RESISTANCE RATINGS (HRS.)
ALL	PRIMARY STRUCTURAL FRAME	1
	INTERIOR BEARING WALLS	1
	INTERIOR NON-BEARING WALLS AND PARTITIONS	0
	FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	1
	ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	1
WALL AND CEILINGS	CLASS C	SMOKE DEVELOPMENT 0-450
FLOORING	CLASS II	FLAME SPREAD 28-75

- THE CONTRACTOR SHALL REPLACE ALL MISSING FIREPROOFING AND FIRESTOPPING.
- THE CONTRACTOR SHALL REPLACE ALL (E) FIREPROOFING AFFECTED BY NEW CONSTRUCTION WITH FIREPROOFING TO MATCH BASE BUILDING STANDARDS, APPROVED EQUAL TO MATCH THE EXISTING.
- ALL CONSTRUCTION SHALL BE NON-COMBUSTIBLE.
- ALL WOOD AND WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED.
- ALL INTERIOR FINISHES SHALL COMPLY WITH THE REFERENCED CODE REQUIREMENTS FOR FLAMMABILITY AND SMOKE DEVELOPED RATINGS AS WELL AS TOXICITY.

MIN. FIRE WALL RATINGS

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

GENERAL NOTES

- ALL LAVATORY PIPING (HOT, COLD, AND WASTE) SHALL BE INSULATED. [CBC 11B- 606.5]

C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3312.

D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES.

E. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33.

F. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33.

G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS IN ACCORDANCE WITH CHAPTER 33, SECTION 3304.5. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL.

7. 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.

8. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):

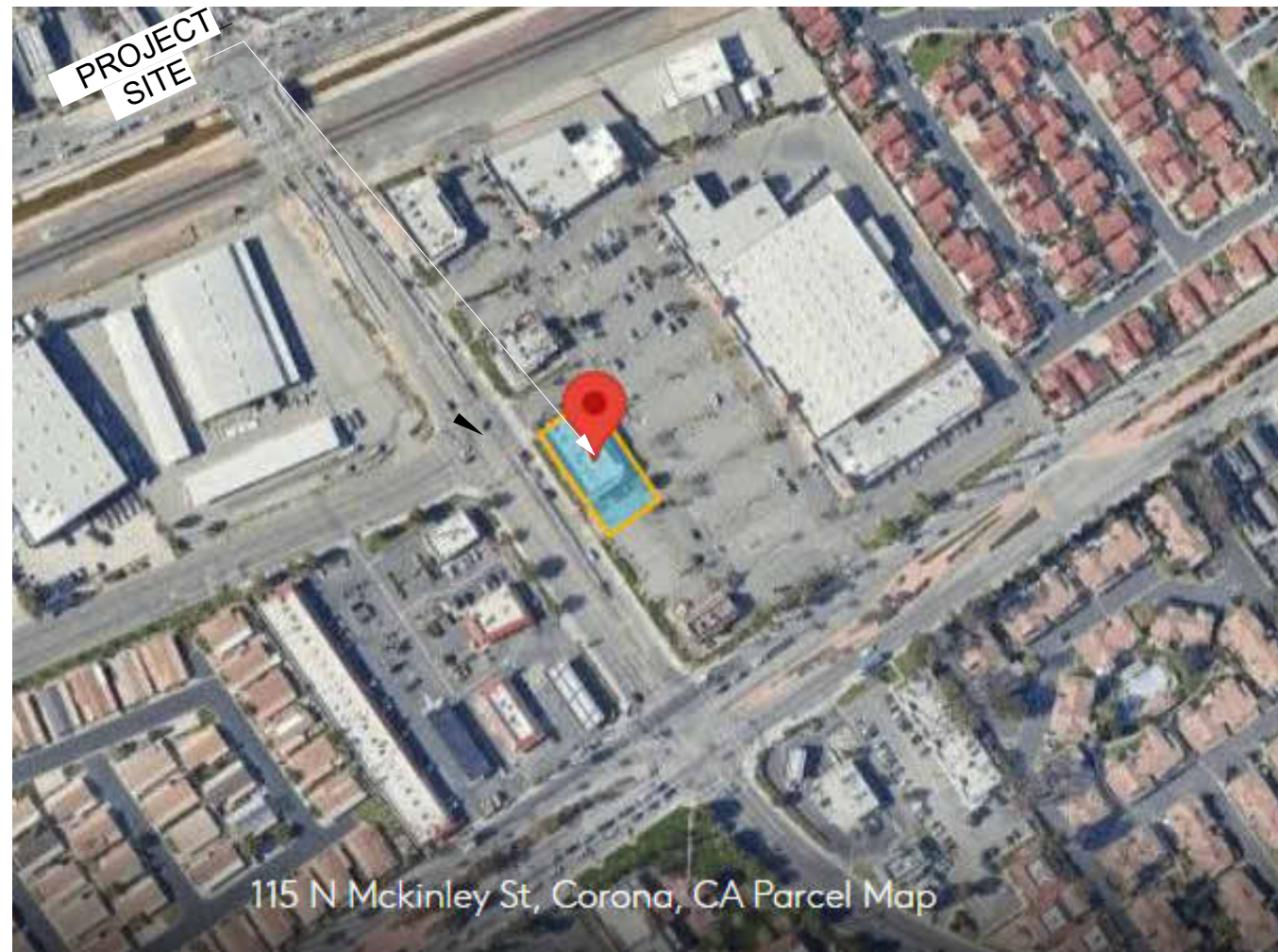
THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDING(S) WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED IT (THEY) IS (ARE) BUILT ACCORDING TO THESE DRAWINGS AND 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:

- GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 5 AND CHAPTER 33.
- ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3310.

- INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.
- 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.

VICINITY MAP



115 N McKinley St, Corona, CA Parcel Map



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

LEVANTY RESTAURANT TENANT IMPROVEMENTS

115 N MCKINLEY ST STE 107.
CORONA, CA 92879

ZAHER DAKELBAB

AUTHORITY HAVING JURISDICTION (AHJ)

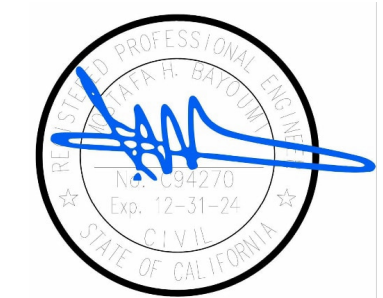
BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION SEQUENCE	REVISION DESCRIPTION	REVISION DATE
1	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 (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE CONSCIENTIOUSLY MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE.









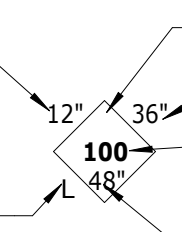
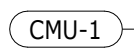
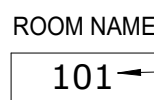

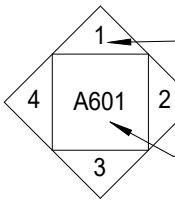
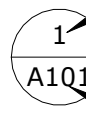
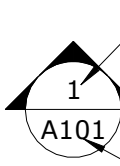
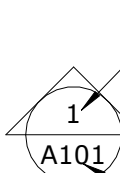
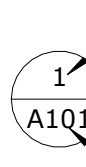
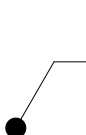
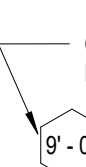
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COVER & INDEX SHEET

SHEET NUMBER

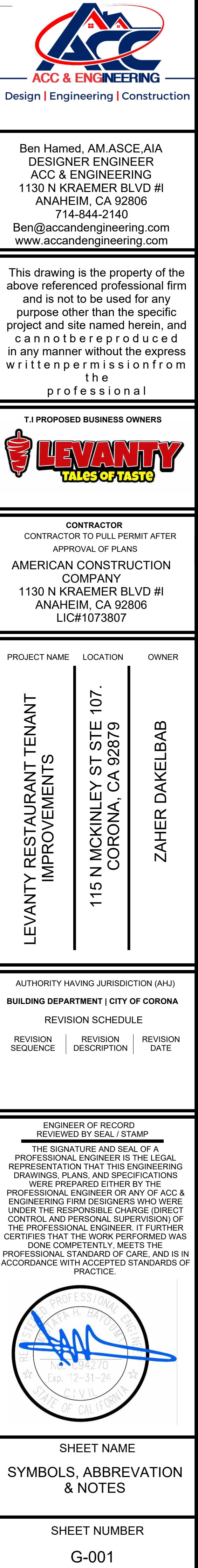
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1	CENTERLINE	PLUMB	PLUMBING
&	PLATE	PLWD.	PLYWOOD
	AND	P.M.	PRESSED METAL
	AT OR ABOUT	P.N.L.	PANEL
*	FOOT	P/P	PUSH-PULL
#	INCH OR REPEAT	PR	PAIR
+/-	POUND OR NUMBER	PREFAB.	PREFABRICATED
	VERIFY IN FIELD	PT.	POINT
A.B.	ANCHOR BOLT	Q.T.	QUARRY TILE
A.C.	ASPHALTIC CONCRETE	R.	RISER / RADIUS
A/C	AIR CONDITIONING	R.A.	RETURN AIR
ACC.	ACCESSIBLE	RAD.	RADIUS
ADJ.	ADJUSTABLE / ADJACENT	R.C.P.	REINFORCED CLAY PIPE
A.F.F.	ABOVE FINISH FLOOR		
AGGR.	AGGREGATE	R.D.	ROOF DRAIN
ALUM.	ALUMINUM	REC.	RECESSED / RECIEVING
ANOD.	ANODIZED	RECEPT.	RECEPTACLE
APPROX.	APPROXIMATE	REF.	REFERENCE
ARCH.	ARCHITECTURAL	REFR.	REFRIGERATOR
ASPH.	ASPHALT	REV.	REVERSE
ASSY.	ASSEMBLY	REG.	REGISTER / REGULAR
ACT.	ACOUSTICAL TILE	REINF.	REINFORCED
		REQ.	REQUIRED
BD.	BOARD	RESIL.	RESILIENT
BITUM.	BITUMINOUS	R.H.	ROUND HEAD
BLDG.	BUILDING	RM.	ROOM
BLK.	BLOCK	R.O.	ROUGH OPENING
BLKG.	BLOCKING	RS	ROUGH SHADE
BM.	BENCHMARK	RS.M.	ROLL SHADE MOTORIZED
B.M.	BENCHMARK	RWD.	REDWOOD
BOT.	BOTTOM		
B/S	BOTH SIDES	S.	SOUTH / SPANDREL
B.W.	BOTH WAYS	S.C.	SOLID CORE
		SCHED.	SCHEDULE
CAB.	CABINET	SECT.	SECTION
C.B.	CATCH BASIN	SERV.	SERVICE / SERVING
CEM.	CEMENT	S.F.	SQUARE FOOT
CEN.	CERAMIC	S.G.E.	SEMI-GLOSS ENAMEL
C.F.M.	CUBIC FEET PER MINUTE	SHT.	SHEET
C.I.	CAST IRON	SHTG.	SHEATHING
C.J.	CEILING JOIST OR CONTROL JOINT	SIM.	SIMILAR
CLG.	CEILING	SL.	SLIDING
CLO.	CLOSET	SPEC.	SPECIFICATION
CLR.	CLEAR	SQ.	SQUARE
C.M.U.	CONCRETE MASONRY UNIT	S.S.	STAINLESS STEEL
COL.	COLUMN	SIS	SERVICE SINK
COMPO.	COMPOSITION	STA.	STATION
CONC.	CONCRETE	STD.	STANDARD
CONN.	CONNECTION	STL.	STEEL
CONSTR.	CONSTRUCTION	STOR.	STORAGE
CONT.	CONTINUOUS	STRUCT.	STRUCTURAL
CONTR.	CONTRACTOR	SUSP.	SUSPENDED
CORR.	CORRODOR	SY.M.	SYMMETRICAL
C.R.B.	CRUSHER RUN BASE	SKLT.	SKYLIGHT
CSK.	COUNTERSUNK		
C.T.	CERAMIC TILE	T.	TREAD / TEMPERED
CYL.	CYLINDER	T.B.	TOP OF BEAM
		T.C.	TOP OF CURB OR CONCRETE
DBL.	DOUBLE	TEL.	TELEPHONE
DEPT.	DEPARTMENT	TEMP.	TEMPERED / TEMPORARY
DET.	DETAIL	TERRAZO	TERRAZO
D.F.	DRINKING FOUNTAIN	TEXT.	TEXTURED
D.O.U.G.	DOUGLAS FIR	T&G	TONGUE AND GROOVE
DG	DRYWALL GRID	THK.	THICK
DIA.	DIAMETER	THRSH.	THRESHOLD
DIAG.	DIAGONAL	T.L.	TOP OF LEDGER
DIM.	DIMENSION	TOIL.	TOILET
DISP.	DISPENSER / DISPOSAL	T.O.P.	TOP OF PARAPET
DN.	DOWN	T.O.S.	TOP OF STEEL
DO.	DITTO / REPEAT	T.V.	TELEVISION
DR.	DOOR	T.O.W.	TOP OF WALL
D.S.	DOWN SPOUT	TYF.	TYPICAL
D.S.P.	DRY STANDPIPE	TRNSF.	TRANSFORMER
DWG.	DRAWING		
DWR.	DRAWER	U.L.	UNDERWRITER'S LAB
		UNFIN.	UNFINISHED
(E)	EXISTING	U.N.O.	UNLESS NOTED OTHERWISE
E	EAST / ENAMEL	URN.	URNAL
EA.	EACH		
EE	EACH END	V.	VINYL
E.G.	EXISTING GRADE	V.C.T.	VINYL COMPOSITION TILE
E.J.	EXPANSION JOINT	VEN.	VENER
EL.	ELEVATION	VENT.	VENTILATOR
ELEC.	ELECTRICAL	VERT.	VERTICAL
ELEV.	ELEVATOR / ELEVATION	VEST.	VESTIBULE
EMER.	EMERGENCY	V.G.	VERTICAL GRAIN
ENCL.	ENCLOSURE	V.O.J.	VENT ON JOB
E.O.S.	EQUAL OF SLAB	V.T.R.	VENT THRU ROOF
EQ.	EQUAL	W.C.	VINYL WALL COVERING
EQPT.	EQUIPMENT		
E.S.	EACH SIDE	W.	WEST / WOMEN
E.W.	EACH WAY	W/	WITH
E.O.C.	EDGE OF CONCRETE	WSCOT.	WAINSCOT
EXH.	EXHAUST	W.C.T.	WATER CLOSET
EXIST.	EXISTING	WD.	WOOD
EXP.	EXPANSION	W.H.	WATER HEATER
EXPO.	EXPOSED	W.I.	WROUGHT IRON
		W/O	WITHOUT
		WP.	WATERPROOF
FLUOR.	FLUORESCENT	W.R.	WATER RESISTANT
FNDN.	FOUNDATION	W.S.	WOOD SCREW
F.O.C.	FACE OF CONCRETE/CURB	WEIG.	WEIGHT
F.O.F.	FACE OF FINISH	W.W.M.	WOVEN WIRE MESH
F.O.A.	FACE OF ALUMINUM		
F.O.G.	FACE OF GLAZING		

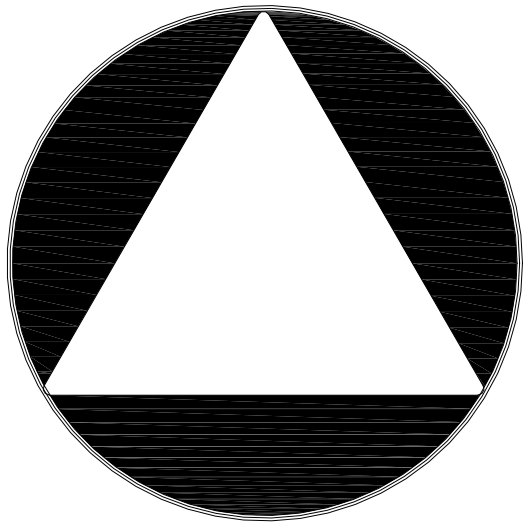
GRID HEAD / LINES			
REVISION TAG			
WALL TYPE TAG			
WINDOW TYPE			
DOOR TAG / NUMBER			
KEYNOTE TAG			
CASEWORK TAG			
COLOR TAG			
ROOM TAG			
EXTERIOR ELEVATION			
INTERIOR ELEVATION			
DETAIL REFERENCE			
BUILDING SECTION REFERENCE			
			
			
			
			

MATERIAL LEGEND

GENERAL REQUIRMENTS	
<p>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.</p> <p>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.1. WORK OVER \$10,000).SEE PLUMBING SHEETS.</p> <p>2. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.</p>	
DISABLED ACCESS REQUIREMENTS (DOORS, GATES & HARDWARE) :	
<p>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".</p> <p>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.</p> <p>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.</p> <p>4. THE MINIMUM HEIGHT TO DOOR HARDWARE IS 34" A.F.F.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>10. WHEN SANITARY FACILITIES ARE LOCATED ON ACCESSIBLE FLOORS OF A BUILDING, THEY SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>14.THE DISTANCE BETWEEN THE CENTER LINE OF A WATER CLOSET AND AN ADJOINING WALL SHALL BE 15-1/2" MINIMUM, 19" MAXIMUM.</p>	
ACCESSIBLE DOOR NOTES:	
FLOOR OR GROUND SURFACES WITHIN REQUIRED DOOR MANEUVERING CLEARANCES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. SURFACES SHALL BE BE LEVEL WITH A SLOPE NOT STEEPER THAN 1:48. 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:	
THRESHOLDS SHALL BE 1/2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL 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. (11B-404.2.9)	
DOOR AND GATE SURFACE:	
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.
2	PROVIDE TACTILE GRADE-2 CONTRACTED BRAILLE WALL SIGN -REFER TO RESTROOM SIGNAGE DETAIL ON SHEET G2.1 FOR ADDITIONAL INFORMATION.
3	PROVIDE ACCESSIBLE RESTROOM DOOR SIGNAGE - REFER TO RESTROOM SIGNAGE DETAIL G2.1 FOR ADDITIONAL INFORMATION.
4	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
5	PROVIDE TACTILE GRADE-2 CALIFORNIA CONTRACTED BRAILLE EXIT SIGN WITH THE WORD "EXIT" AT EACH-LEVEL EXTERIOR EXIT DOOR
6	CEILING MOUNTED EXIT LIGHT WITH BATTERY BACKUP / SEE REFLECTED CEILING PLAN FOR EXACT LOCATION.
7	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 "EXIT"	
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: a."EXIT STAIR DOWN" 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".	
5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT 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 INDICATE THE DIRECTION OF EGRESS TRAVEL AND SUCH THAT NO POINT SHALL BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE SIGN.	
1. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL POWER SYSTEM (STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON SITE GENERATOR SET OR AN APPROVED SELF LUMINOUS SYSTEM THAT PROVIDES 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	
3. 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 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 CHANGE. b. PROVIDE 2-A10BC FIRE EXTINGUISHER EVERY 75 FEET OF TRAVEL.	



IDENTIFICATION SYMBOLS FOR SANITARY FACILITIES



- 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 REQD BY CODE). UNISEX SIGN SHALL CONSIST OF A 1/4" THICK PLASTIC TRIANGLE MOUNTED ON A 1/4" THICK PLASTIC CIRCLE (AS REQD BY CODE).
 3. ALL GENDER SIGNS ARE REQD BY CBC 11B-216.8 AND MUST COMPLY WITH CBC 11B-703.7.2.6.3.

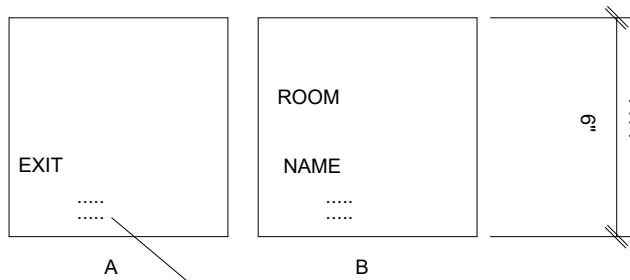
1 ALL GENDER ACCESSIBILITY SIGNAGE

N.T.S

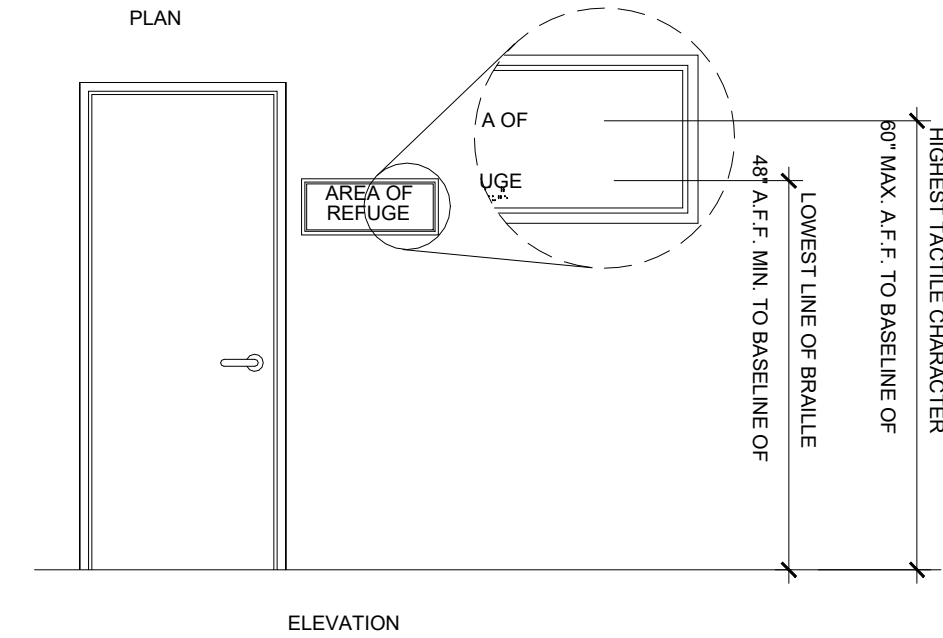
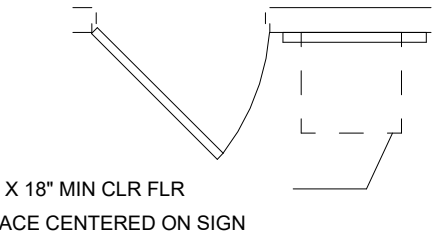
ACCESSIBILITY SIGNAGE:
ANSI APPROVED E.S. PLASTIC, NEMA RATED SELF-EXTINGUISHING ADHESIVE MOUNTED.

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

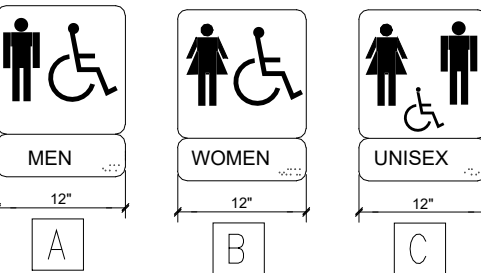
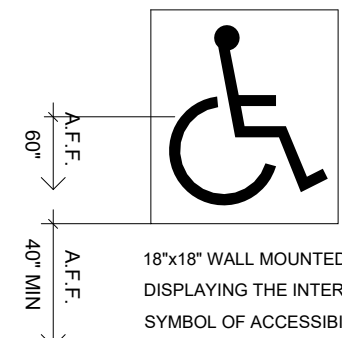
LOCATION FOR TACTILE SIGNS



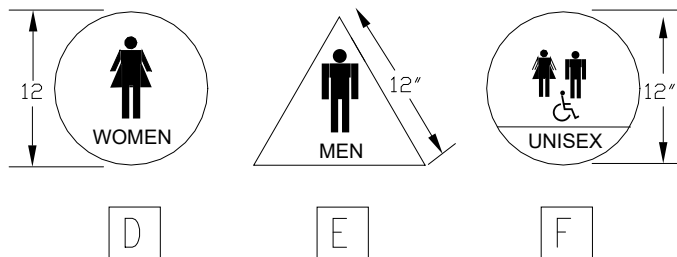
- NOTE:
1. ALL TEXT TO BE ARIAL IN FONT.
 2. PROVIDE SIGNS IN CONTRASTING COLORS.
 3. SEE PLAN FOR SIGNAGE LOCATION.
 4. QUANTITY: PROVIDE SIGN AS NOTED ON PLAN INCLUDING THE EXIT SIGN.
 5. SIGNAGE PROVIDED FOR GUIDANCE ONLY. SIGNAGE COMPANY TO FOLLOW SIGNAGE GENERAL NOTES, AND COMPLY WITH CODE REQUIREMENTS.



ACCESSIBLE ENTRANCE SIGNAGE



WALL SIGNAGE



DOOR MOUNTED SIGNAGE

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

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 THAN OR EQUAL TO 70 INCHES (1778mm)	LESS THAN 72 INCHES (1829 mm)	+INCHES (15.9mm)
	72 INCHES (1829mm) AND GREATER	+INCHES (15.9mm), PLUS +3.2 mm) PER FOOT (305mm) OF VIEWING DISTANCE ABOVE 72 INCHES (1829mm)
GREATER THAN 70 INCHES (1778mm) TO LESS THAN OR EQUAL TO 120 INCHES (3048 mm)	LESS THAN 180 INCHES (4572 mm)	2 INCHES (51 mm)
	180 INCHES (4572mm) AND GREATER	+INCHES (15.9mm), PLUS +3.2 mm) PER FOOT (305mm) OF VIEWING DISTANCE ABOVE 180 INCHES (4572mm)
GREATER THAN 120 INCHES (3048mm)	LESS THAN 21 FEET (6401 mm)	3 INCHES (76mm)
	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	0.395(10mm) TO 0.400 (10.2mm)

1. MEASURED CENTER TO CENTER (FIGURE 11B-703.1 BRAILLE MEASUREMENT)

- NOTE:
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 IN 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 90 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CBC 2016 (11B-703.5.6) VISUAL CHARACTERS SHALL BE 40 INCHES MINIMUM ABOVE FINISH FLOOR OR GROUND.
 4. CBC 2022 (11B-216.8): 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.

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.

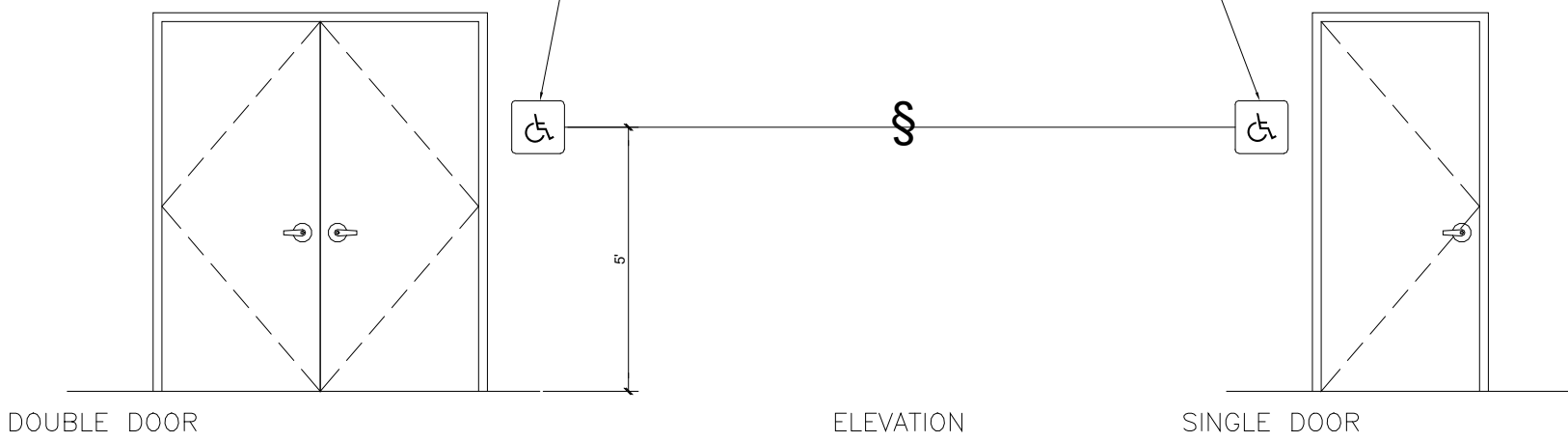
1. GEOMETRIC SIGNAGE: A SIGN WITH THE IDENTIFIER THE RESTROOM UNISEX, WHICH IS A TRIANGLE SUPERIMPOSED ON TOP OF A CIRCLE (GENDER NEUTRAL).
2. DESIGNATION SIGNAGE: A WALL MOUNTED SIGN THAT IDENTIFIES A PERMANENT ROOM OR SPACE TO BE PROVIDED FOR A TOILET FACILITY THE SIGN MUST BE TACTILE (CAN BE READ BY TOUCH) AND INDICATE THAT THE FACILITY IS A UNISEX RESTROOM.

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

2 SIGNAGE DETAILS

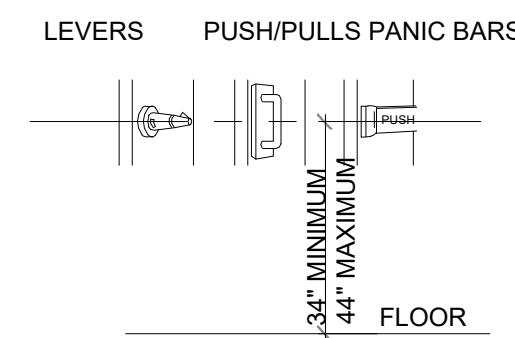
N.T.S

ACCESSIBLE ENTRANCE SIGN UTILIZING INTL SYMBOL OF ACCESSIBILITY PER



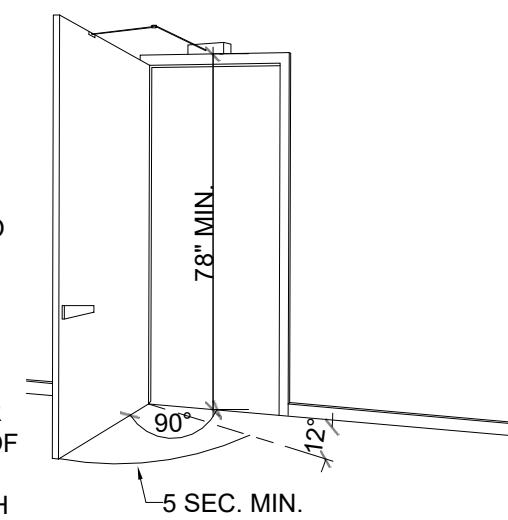
1. ATTACH SIGN USING (4) FLATHEAD COUNTERSUNK SCREWS & ADHESIVE
2. ALL SIGN SHALL BE CONSTRUCTED OF 1/4" THK. SOLID PLASTIC.
3. AT STOREFRONT DOORS, PROVIDE DECAL AFFIXED TO GLASS ADJACENT LATCH SIDE OF DOOR.

ACCEPTABLE DOOR HARDWARE & MOUNTING HEIGHTS



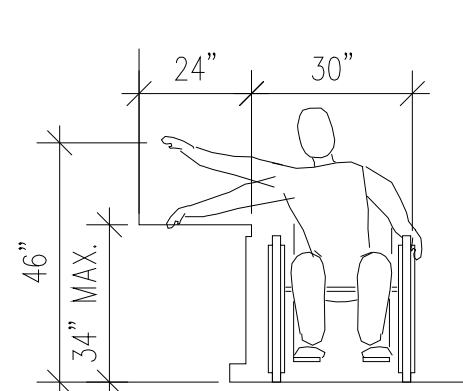
CLOSING SPEED, DOOR WITH CLOSER

DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM

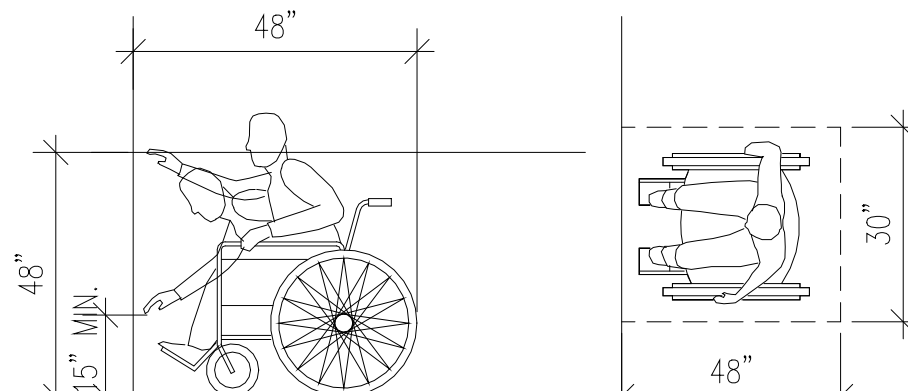


DOORS

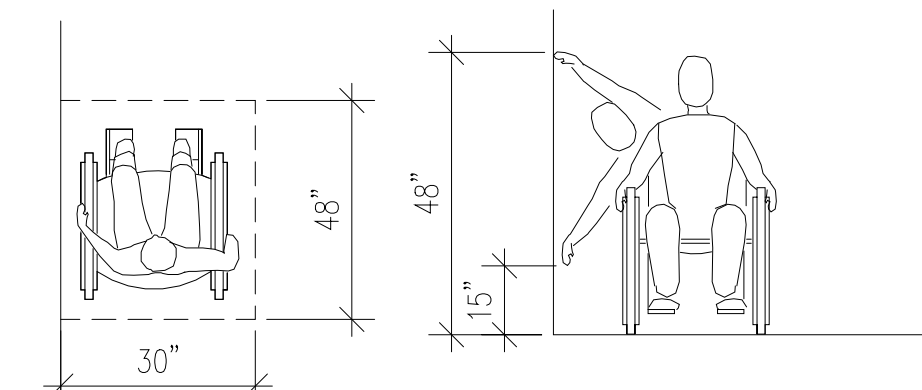
N.T.S



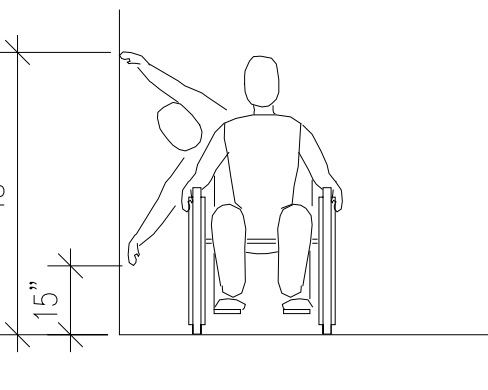
F MAXIMUM SIDE REACH OVER AN OBSTRUCTION



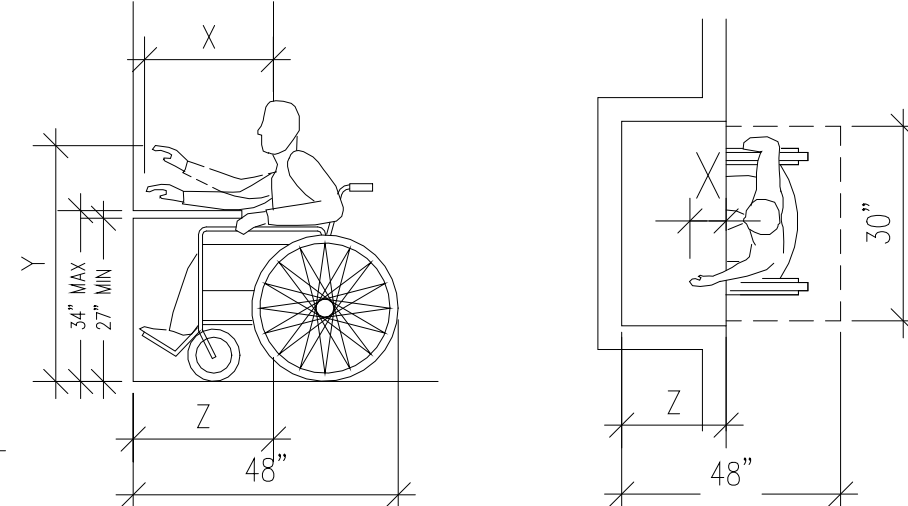
A HIGH FORWARD REACH LIMIT



C CLEAR FLOOR SPACE PARALLEL APPROACH



D HIGH AND LOW SIDE REACH LIMITS



NOTES:

1. X SHALL BE ≤ 25 INCHES; Z SHALL BE > X.
2. WHEN X < 20 INCHES, THEN Y SHALL BE 48 INCHES MAXIMUM.
3. WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.

B MAXIMUM FORWARD REACH OVER AN OBSTRUCTION

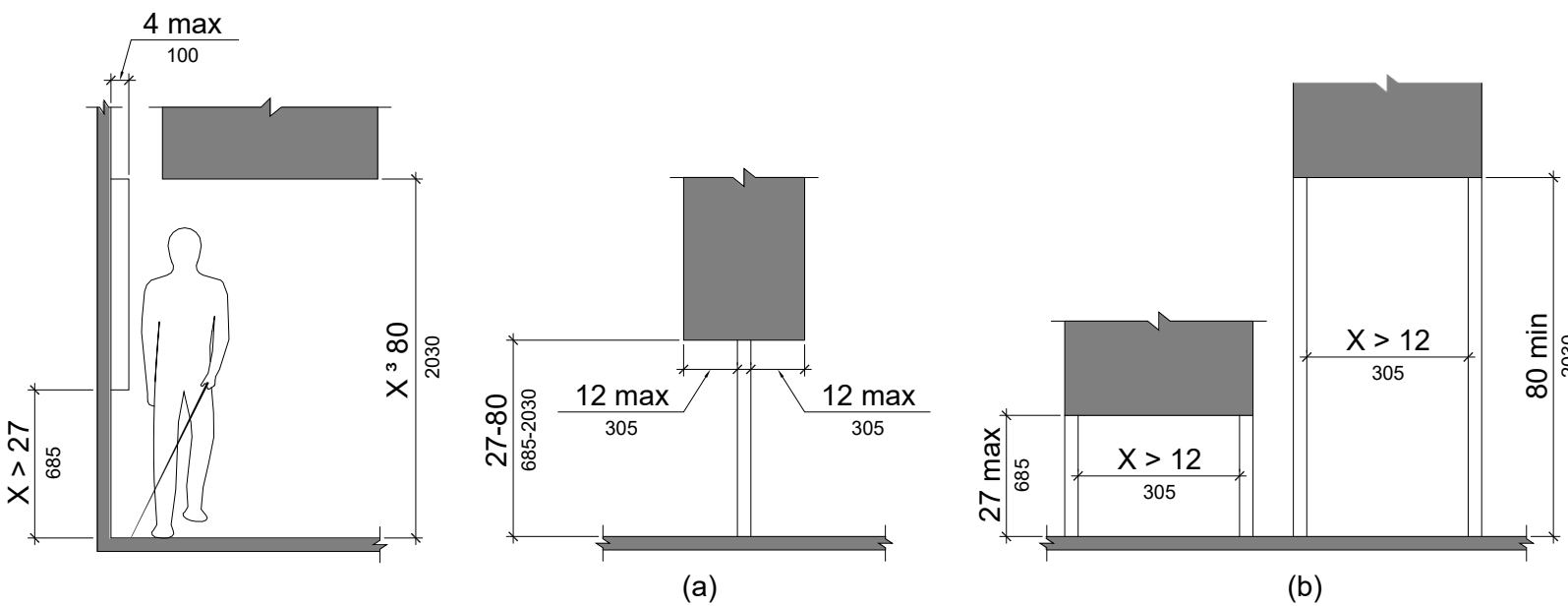


Figure 307.2 Limits of Protruding Objects

7 REACH RANGES

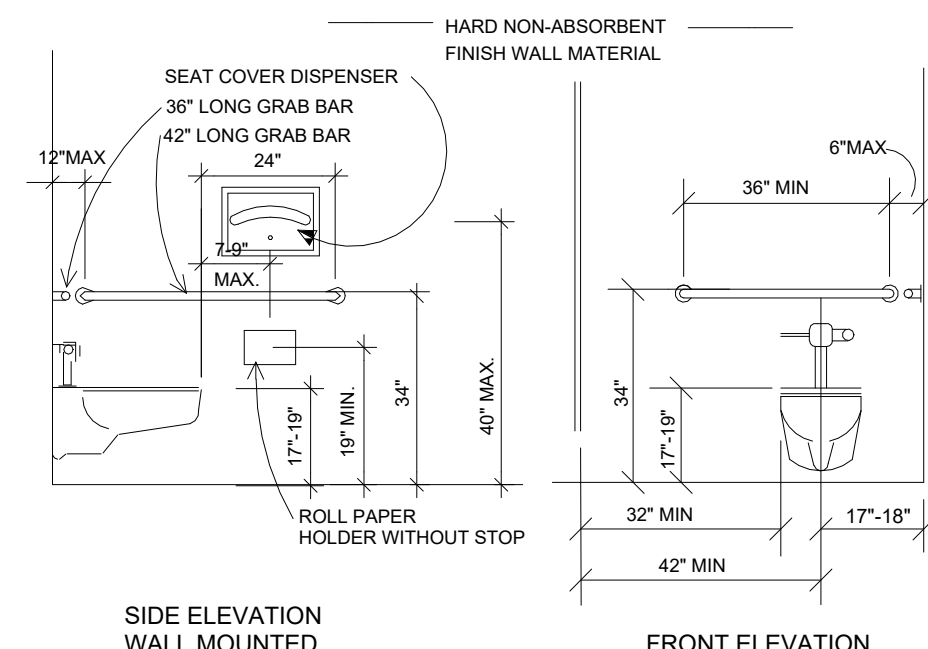
N.T.S

SHEET NOTE

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.

NOTES:

1. REFER TO FLOOR PLANS FOR ADDITIONAL DIMENSIONS AND INFORMATION.
2. FLUSH VALVE MUST BE MOUNTED ON THE WIDE SIDE OF THE TOILET COMPARTMENT.
3. MAXIMUM PRESSURE TO OPERATE TOILET VALVE SHALL BE FIVE POUNDS.
4. GRAB BARS SHALL HAVE 250 LB. CAPACITY.

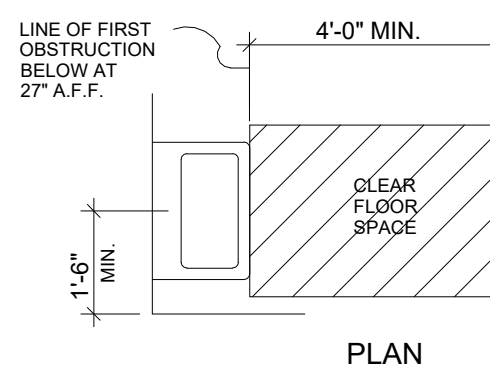


SIDE ELEVATION WALL MOUNTED

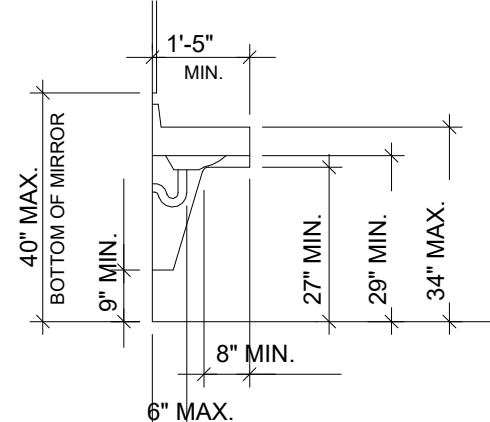
FRONT ELEVATION

3 TOILET FACILITIES

N.T.S



PLAN



SECTION

4 LAVATORIES

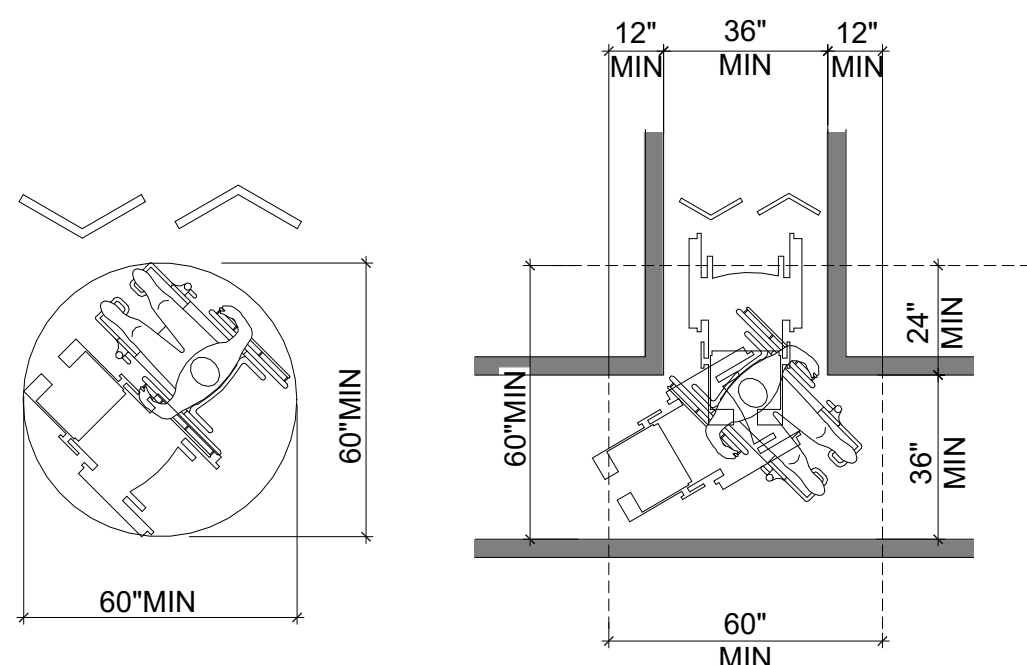
N.T.S

NOTES:

1. ALL GRAB BARS AND BLOCKING SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES, STANDARDS, AND LAWS.
2. BLOCKING SHALL BE INSTALLED AT TIME OF INITIAL CONSTRUCTION.
3. GRAB BARS SHALL BE PROVIDED AT COMMON/PUBLIC ACCESSIBLE TOILETS.
4. GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL BE ROUNDED.
5. GRAB BARS SHALL NOT ROTATE WITHIN THE FITTINGS.
6. STRUCTURAL STRENGTH OF MATERIALS, FASTENERS, MOUNTING DEVICES, AND SUPPORTING STRUCTURES SHALL RESIST A SINGLE FORCE OF 250 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ON THE GRAB BAR, FASTENR, MOUNTING DEVICES, OR SUPPORTING
7. PROVIDE PRIVACY DOOR LOCK WHEN ITS A PRIVATE TOILET OR FOR UNISEX USE

5 ACCESSIBLE RESTROOMS

N.T.S



60" DIAMETER SPACE

T-SHAPED SPACE FOR 180 TURNS

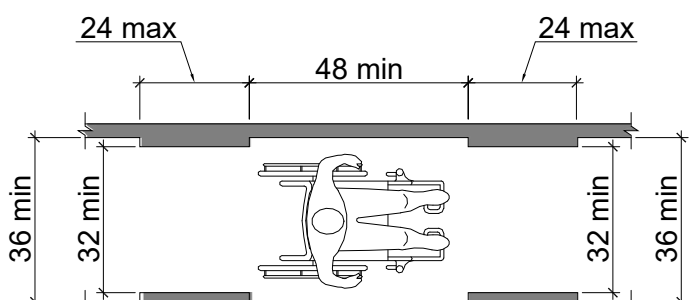
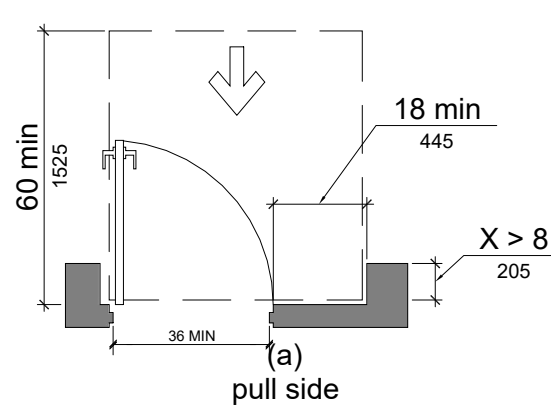
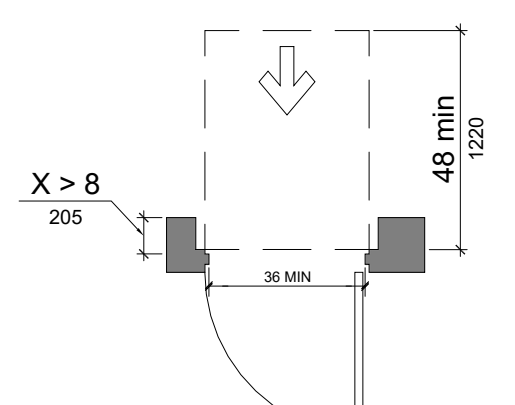


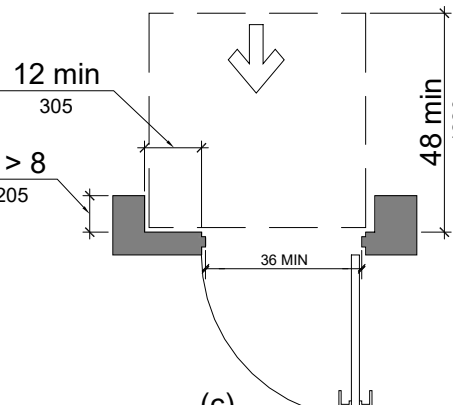
FIGURE 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE



(a) pull side



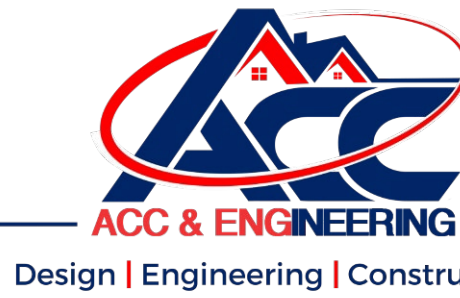
(b) push side



(c) PUSH SIDE: DOOR PROVIDED WITH BOTH CLOSER AND LATCH

8 PATH OF TRAVEL

N.T.S



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 cannot be reproduced in any manner without the express written permission from the 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

LEVANTY RESTAURANT TENANT IMPROVEMENTS
115 N MCKINLEY ST STE 107.
CORONA, CA 92879
ZAHAR DAKELBAB

AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION SEQUENCE	REVISION DESCRIPTION	REVISION DATE
-------------------	----------------------	---------------

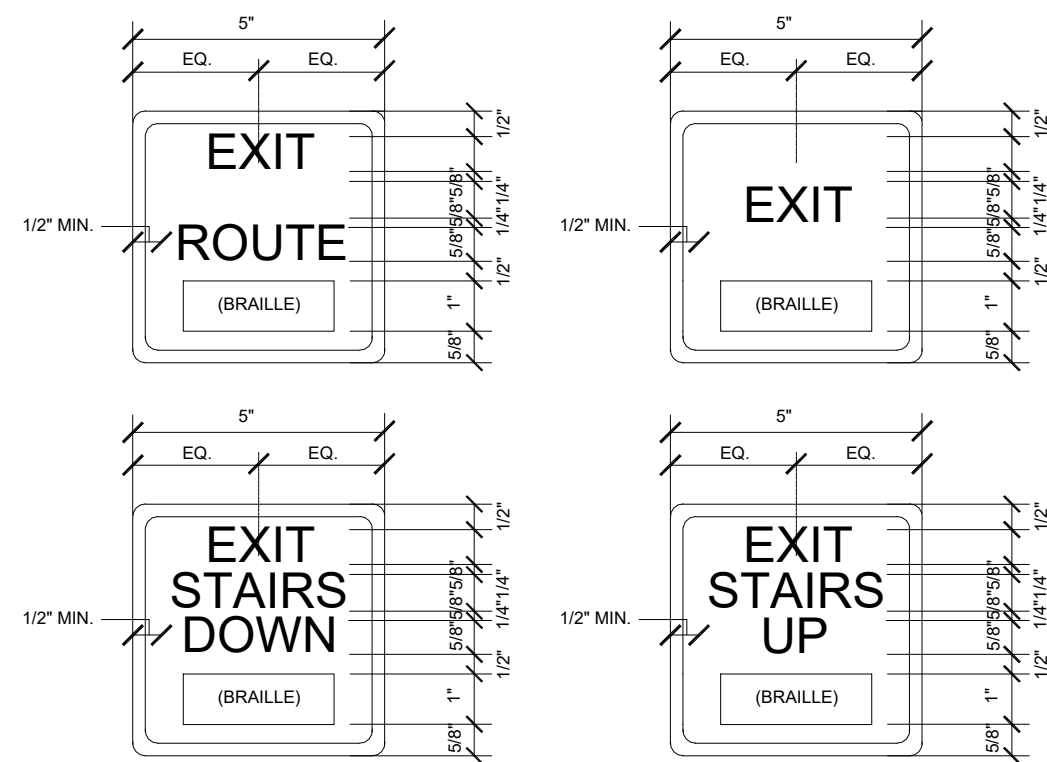
ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

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
ADA ACCESSIBILITY
DETAILS

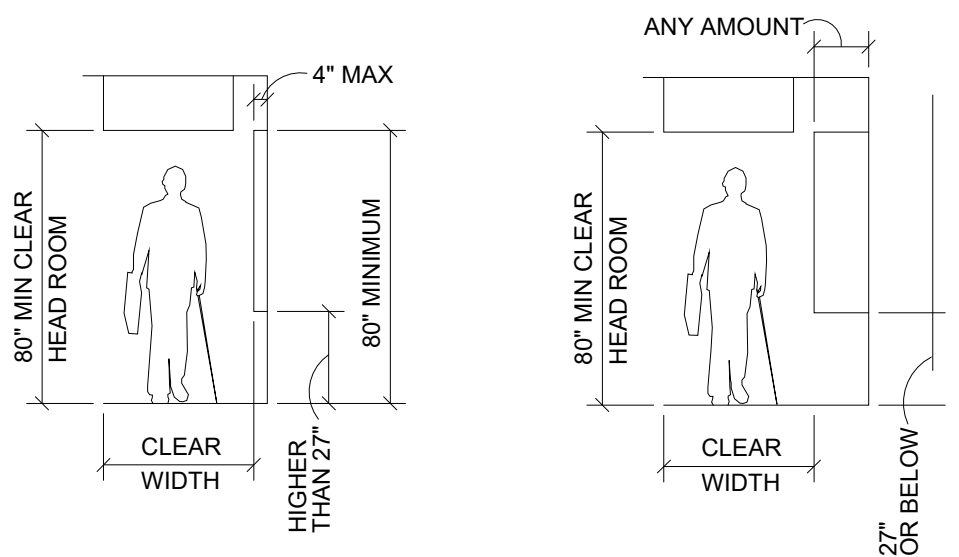
SHEET NUMBER
G-002



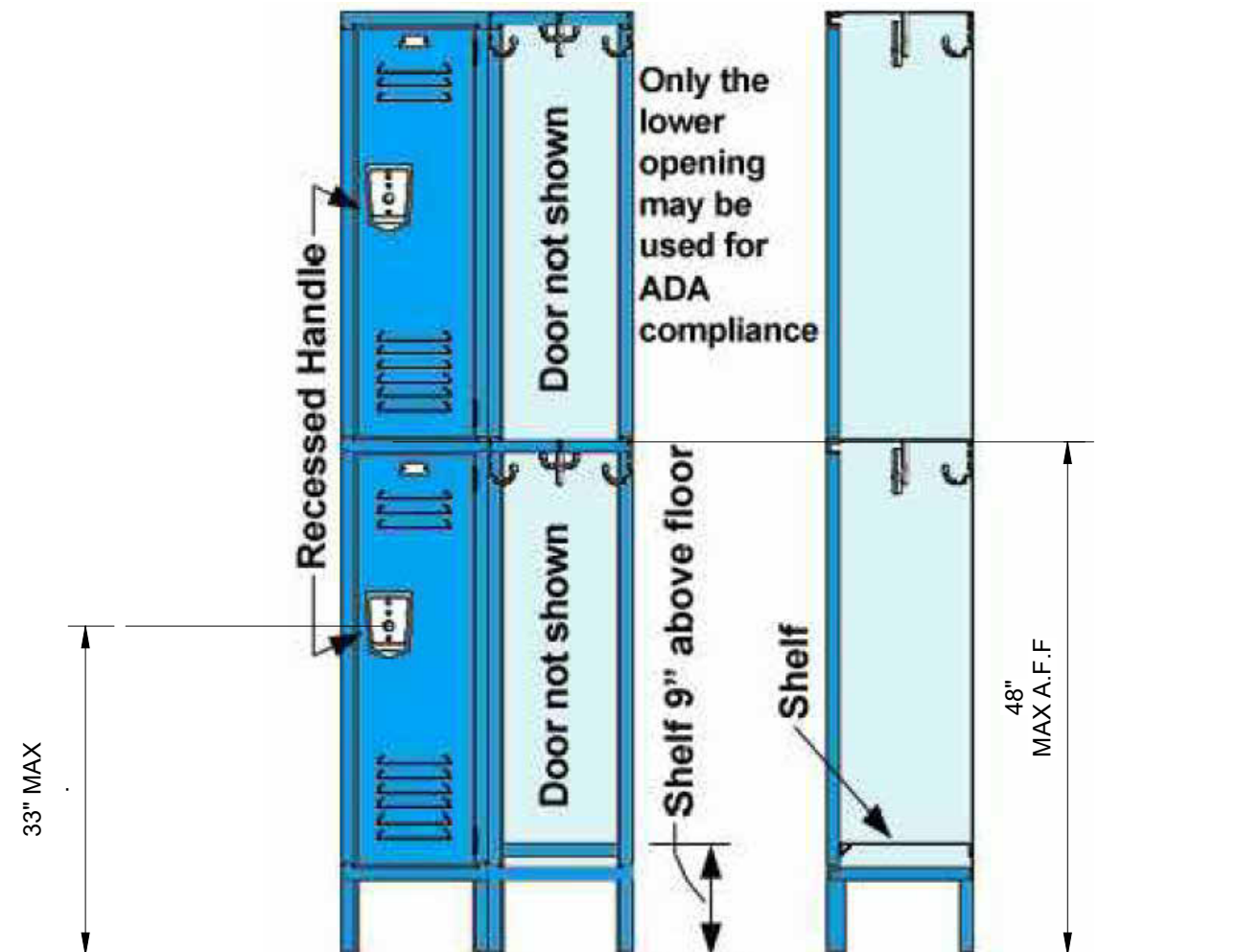
WALL SIGNS MT'D @ 60" A.F.F. @ CENTERLINE

13 TACTILE EGRESS SIGNAGE
N.T.S.

NOTE:
PROTRUDING OBJECTS MAY NOT
REDUCE THE REQUIRED CLEAR
WIDTH OF AN ACCESSIBLE
ROUTE OR MANEUVERING SPACE.

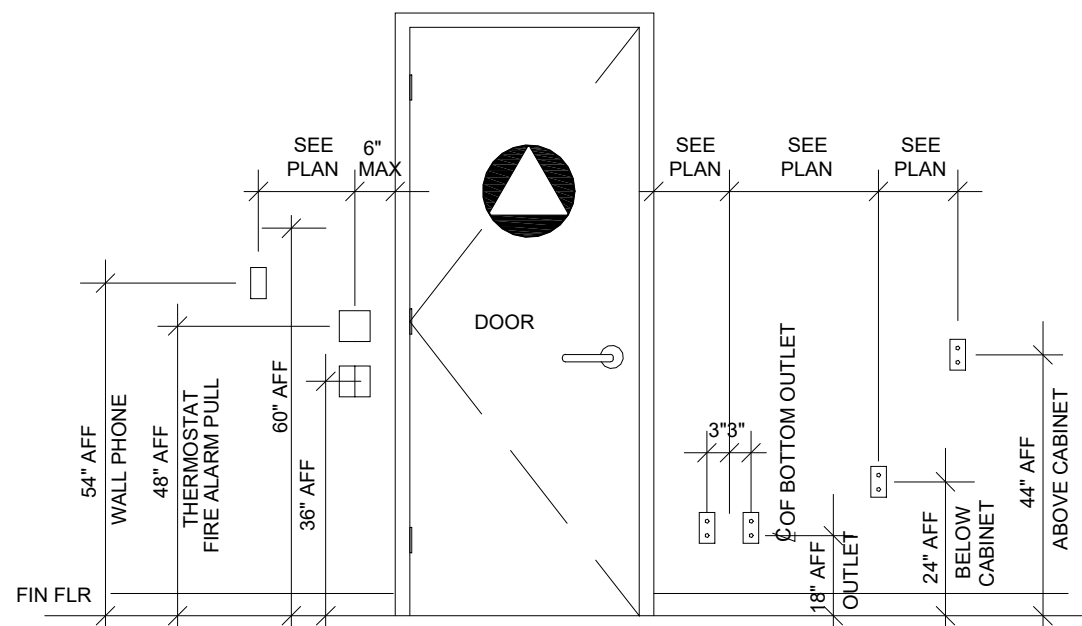


14 ACCESSIBLE ROUTE CLEARANCE
N.T.S.



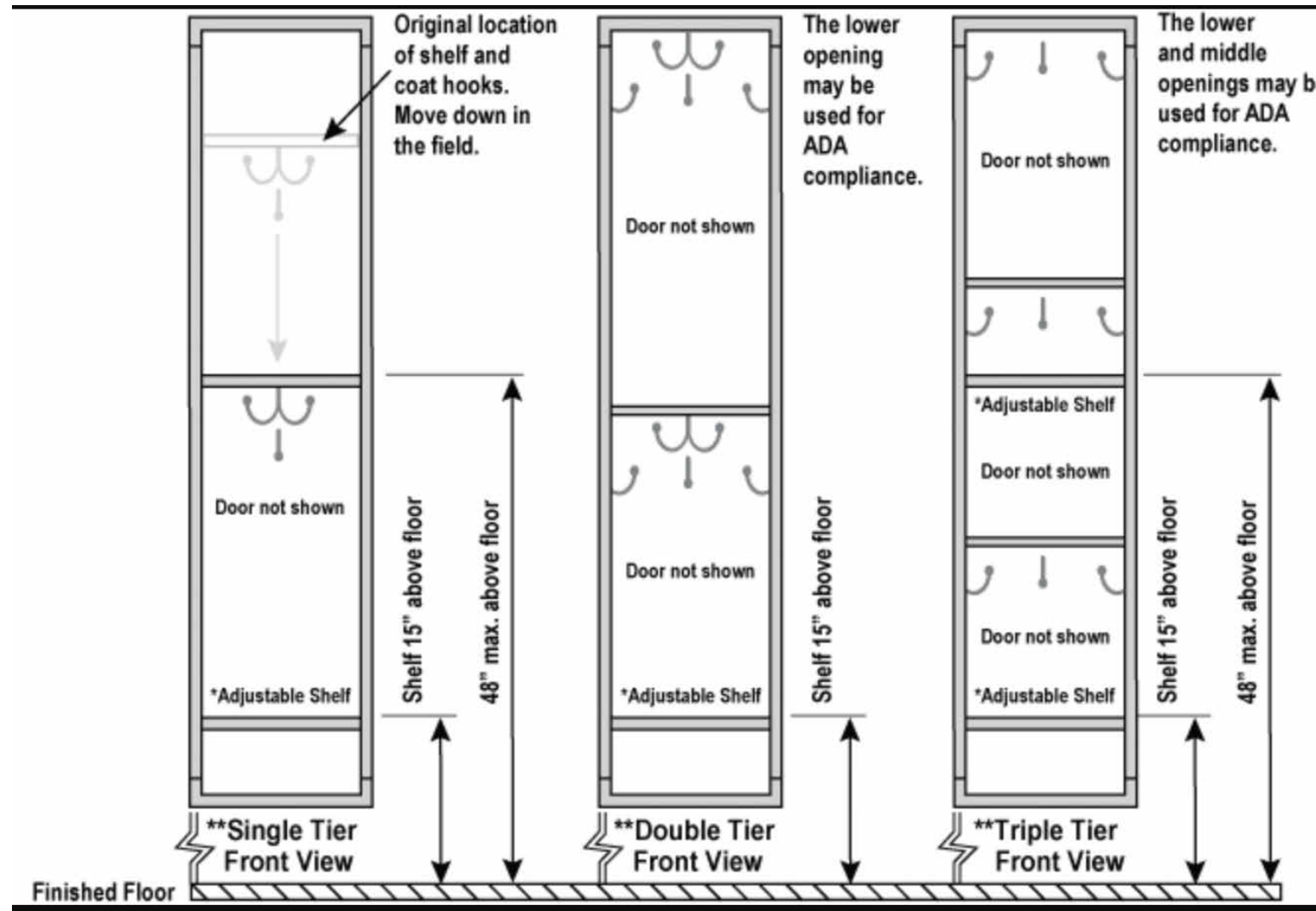
Front View
Section
ADA Compliant Double Tier Locker

11 EMPLOYEE LOCKER
N.T.S.

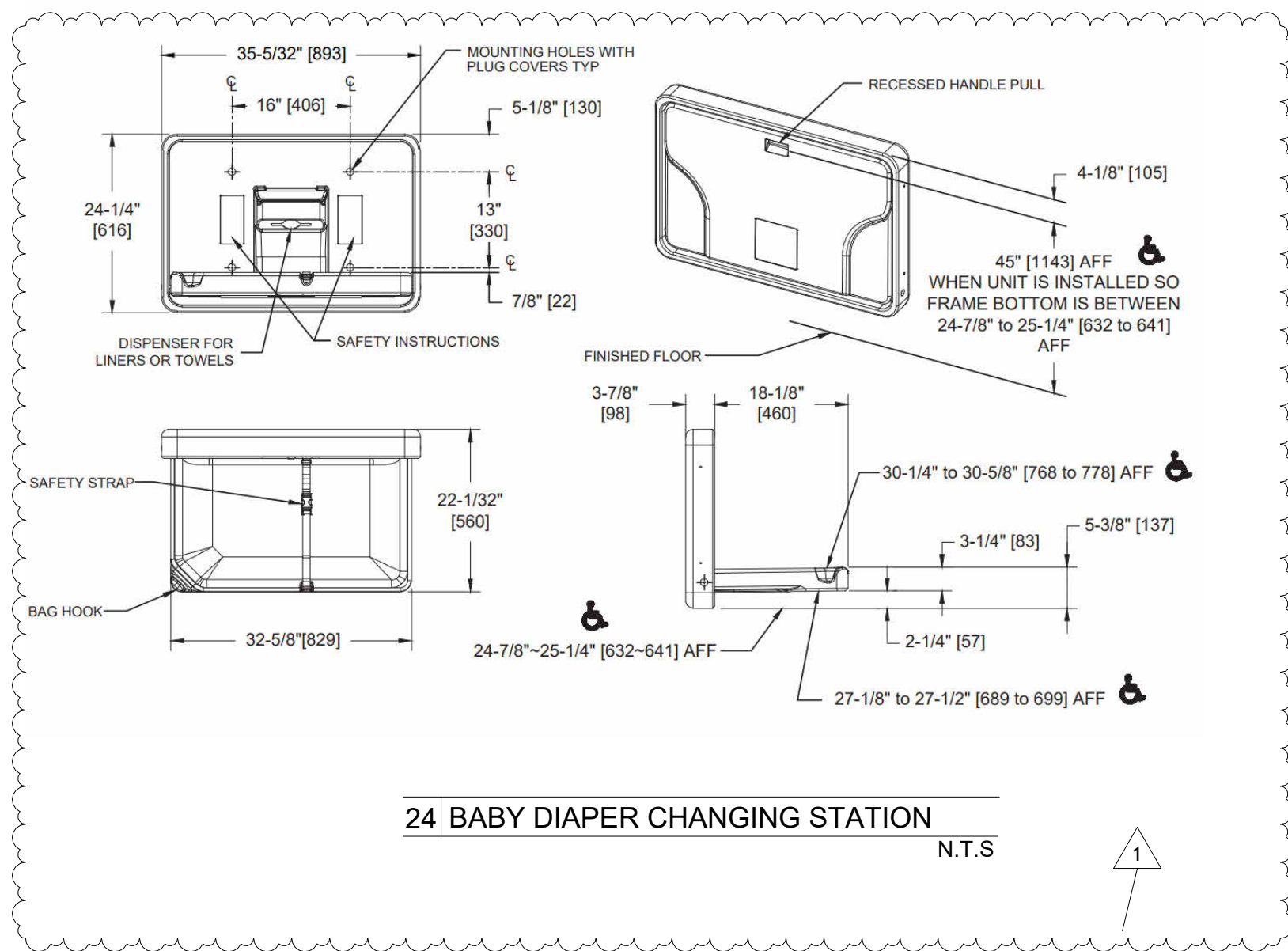


NOTE:
1. ALL DIMENSIONS ARE TO CENTER LINE OF FACE PLATE
2. THIS DETAIL IS TO SHOW MINIMUM AND MAXIMUM
ALLOWABLE HEIGHTS. SEE INTERIOR ELEVATIONS FOR
ANY ADDITIONAL INFORMATION AND DIMENSIONS.
3. PROVIDE UNISEX SYMBOL PROVIDE NAME RAISED LETTERS
AT 1/32" HIGH, TYPE II BRAILLE

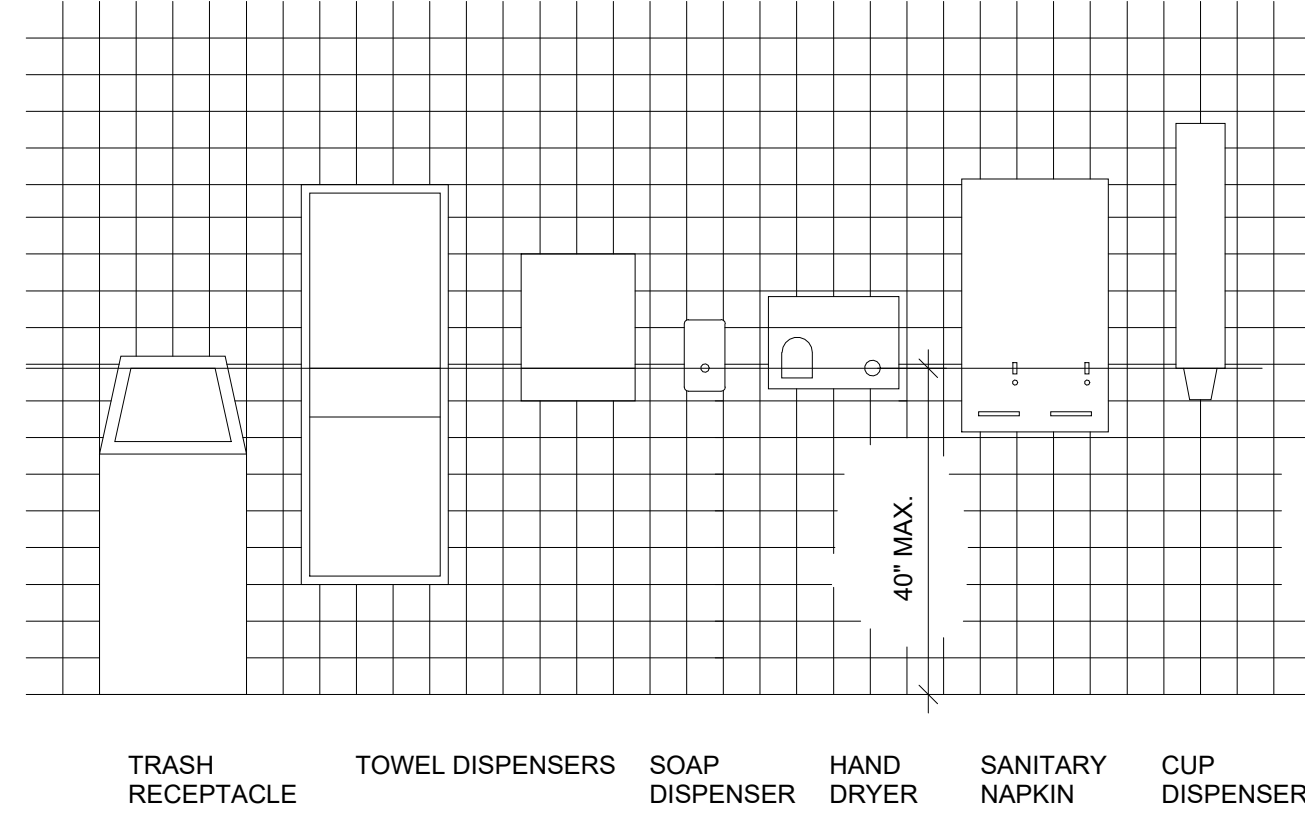
15 POWER & COMMUNICATION HEIGHTS
N.T.S.



12 EMPLOYEE ACCESSIBLE LOCKER
N.T.S.



24 BABY DIAPER CHANGING STATION
N.T.S.



NOTE:
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.

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



California

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY																			
X		ACC																																		
CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL			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.			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 specified in Section 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.			MAXIMUM ALLOWABLE GLARE RATING (G)			<table border="1"><thead><tr><th>GLARE RATING (G)</th><th>G1</th><th>G2</th><th>G3</th><th>G4</th></tr></thead><tbody><tr><td>MAXIMUM ALLOWABLE GLARE RATING (G)</td><td>N/A</td><td>G0</td><td>G1</td><td>G2</td></tr><tr><td>MAXIMUM ALLOWABLE GLARE RATING (G)</td><td>N/A</td><td>G0</td><td>G0</td><td>G1</td></tr><tr><td>MAXIMUM ALLOWABLE GLARE RATING (G)</td><td>N/A</td><td>G0</td><td>G0</td><td>G0</td></tr></tbody></table>			GLARE RATING (G)	G1	G2	G3	G4	MAXIMUM ALLOWABLE GLARE RATING (G)	N/A	G0	G1	G2	MAXIMUM ALLOWABLE GLARE RATING (G)	N/A	G0	G0	G1	MAXIMUM ALLOWABLE GLARE RATING (G)	N/A	G0	G0	G0		
GLARE RATING (G)	G1	G2	G3	G4																																
MAXIMUM ALLOWABLE GLARE RATING (G)	N/A	G0	G1	G2																																
MAXIMUM ALLOWABLE GLARE RATING (G)	N/A	G0	G0	G1																																
MAXIMUM ALLOWABLE GLARE RATING (G)	N/A	G0	G0	G0																																
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.			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 the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).			5.106.5.3.4 Accessible EVCS. When EVSE is installed, accessible EVSC shall be provided in accordance with the California Building Code, Chapter 11B, Section 11B-229.3.			1. TESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code.																											
301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 10,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within 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.			The 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 permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through 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 practices and be approved by the enforcing agency.			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.			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 section.																											
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 banner will be used.			Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/construction/stormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.			Exceptions: 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 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.			3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting"																											
301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:			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.			When EVSE(s) are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:			5.106.8.1 Facing-Backlight Luminaires within 2M 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 5.106.8.1 based on the lighting zone and distance to the nearest point of that property line.																											
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 seq. for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.			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 applicable local ordinance, whichever is stricter.			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 raceway(s) or busway(s) and adequate capacity for transformers(s), service panel(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 circuit for the future installation of EVSE. 2. The construction documents shall indicate on or more location(s) convenient to the planned off-street 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 5.106.5.4.1. 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 vehicles. 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 5.106.5.4.1.			Exception: Additions and alterations not altering the drainage path.																											
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.			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 passer-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.			5.106.5.4.2 Raceway Conduit and Panel Power Requirements for Medium- and Heavy-Duty EVSE [N]			5.106.8.2 Facing-Backlight. For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2M of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8.2 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.																											
301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)			Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.			<table border="1"><thead><tr><th>BUILDING TYPE</th><th>BUILDING SIZE (SQ. FT.)</th><th>NUMBER OF OFF-STREET LOADING SPACES</th><th>ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL</th></tr></thead><tbody><tr><td rowspan="2">Grocery</td><td>10,000 to 90,000</td><td>1 or 2</td><td>200</td></tr><tr><td>Greater than 90,000</td><td>3 or Greater</td><td>400</td></tr><tr><td rowspan="2">Retail</td><td>10,000 to 135,000</td><td>1 or Greater</td><td>400</td></tr><tr><td>Greater than 135,000</td><td>1 or Greater</td><td>400</td></tr><tr><td rowspan="2">Warehouse</td><td>20,000 to 256,000</td><td>1 or 2</td><td>200</td></tr><tr><td>Greater than 256,000</td><td>3 or Greater</td><td>400</td></tr></tbody></table>			BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL	Grocery	10,000 to 90,000	1 or 2	200	Greater than 90,000	3 or Greater	400	Retail	10,000 to 135,000	1 or Greater	400	Greater than 135,000	1 or Greater	400	Warehouse	20,000 to 256,000	1 or 2	200	Greater than 256,000	3 or Greater	400	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: 1. Swales. 2. Water collection and disposal systems. 3. French drains. 4. Water retention gardens. 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.		
BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL																																	
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Retail	10,000 to 135,000	1 or Greater	400																																	
	Greater than 135,000	1 or Greater	400																																	
Warehouse	20,000 to 256,000	1 or 2	200																																	
	Greater than 256,000	3 or Greater	400																																	
301.5 HEALTH FACILITIES. (see GBSC)			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.			5.106.12 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.																											
SECTION 302 MIXED OCCUPANCY BUILDINGS			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.			5.106.12.2 Landscape areas. Shade tree 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.																											
SECTION 303 PHASED PROJECTS			5.106.4.1.4 For new shall 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.			5.106.12.3 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.			Exceptions: Walkways, 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 of shade tree planting.																											
303.1 PHASED PROJECTS. For shall 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.			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; 2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers.			5.106.12.4 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.			5.106.12.5 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.																											
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.			Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.			5.106.8.3 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.			5.106.12.6 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.																											
ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development DSA-SS California Building Standards Commission OSHPD Division of the State Architect, Structural Safety LR Office of Statewide Health Planning and Development HR Low Rise AA High Rise N Additions and Alterations New			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.			5.106.12.7 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.			5.106.12.8 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.																											
CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES DIVISION 5.1 PLANNING AND DESIGN			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.			5.106.12.9 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.			5.106.12.10 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.																											
SECTION 5.101 GENERAL			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: 1. 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.			5.106.12.11 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.																											
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.			Exceptions: 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 enforcing 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.			5.106.5.3.1 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.12 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.																											
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.			5.106.5.3.2 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.13 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.			5.106.12.14 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.																											
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 of 9 or 10 as regulated under 40 CFR Section 600 Subpart D.			5.106.5.3.3 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.15 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.			5.106.12.16 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.																											
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.			5.106.5.3.4 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.17 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.			5.106.12.18 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.																											
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.			5.106.5.3.5 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.19 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.			5.106.12.20 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.																											
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.			5.106.5.3.6 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.21 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.			5.106.12.22 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.																											
Note: Source: Vehicle Code, Division 1, Section 668			5.106.5.3.7 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.23 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.			5.106.12.24 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.																											
ZEV. Any vehicle certified to zero-emission standards.			5.106.5.3.8 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements: 1. Raceways complying with the California Electrical Code and no less than 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."			5.106.12.25 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.			5.106.12.26 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.																											
SECTION 5.106 SITE DEVELOPMENT			5.106.12.27 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.			5.106.12.28 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.			5.106.12.29 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.																											
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 activities through one or more of the following measures:			5.106.12.30 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.			5.106.12.31 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.			5.106.12.32 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.																											
5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.			5.106.12.33 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.			5.106.12.34 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.			5.106.12.35 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.																											
5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.			5.106.12.36 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.			5.106.12.37 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.			5.106.12.38 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.																											
1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Scheduling construction activity during dry weather, when possible. b. Preservation of natural features, vegetation, soil, and buffers around surface waters. c. Drainage swales or lined ditches to control stormwater flow. d. Mulching or hydrosedimentation to stabilize disturbed soils. e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts). g. Perimeter sediment control (perimeter silt fence, fiber rolls). h. Sediment trap or sediment basin to retain sediment on site. i. Stabilized construction exits. j. Wind erosion control. k. Other soil loss BMPs acceptable to the enforcing agency.			5.106.12.39 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.			5.106.12.40 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.			5.106.12.41 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.																											
2. 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 are not limited to, the following: a. Dewatering activities. b. Material handling and waste management. c. Building materials stockpile management. d. Management of washout areas (concrete, paints, stucco, etc.). e. Control of vehicle/equipment fueling to contractor's staging area. f. Vehicle and equipment cleaning performed off site. g. Spill prevention and control. h. Other housekeeping BMPs acceptable to the enforcing agency.			5.106.12.42 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.			5.106.12.43 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.			5.106.12.44 Recycled Water.</																											



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

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APPROVAL OF PLANS
**AMERICAN CONSTRUCTION
COMPANY**
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ANAHEIM, CA 92806
LIC#1073807

PROJECT NAME	LOCATION	OWNER
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 SEQUENCE	REVISION DESCRIPTION	REVISION 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
CA-GREEN BUILDING
STANDARDS

SHEET NUMBER

GR-02



California

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY																																																																																				
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5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.																																																																																															
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 SCQM 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 for 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 with Section 94507.																																																																																															
TABLE 5.504.4.1 - ADHESIVE VOC LIMIT^{1,2} Less Water and Less Exempt Compounds in Grams per Liter <table><thead><tr><th>ARCHITECTURAL APPLICATIONS</th><th>CURRENT VOC LIMIT</th></tr></thead><tbody><tr><td>INDOOR CARPET ADHESIVES</td><td>50</td></tr><tr><td>CARPET PAD ADHESIVES</td><td>50</td></tr><tr><td>OUTDOOR CARPET ADHESIVES</td><td>150</td></tr><tr><td>WOOD FLOORING ADHESIVES</td><td>100</td></tr><tr><td>RUBBER FLOOR ADHESIVES</td><td>60</td></tr><tr><td>SUBFLOOR ADHESIVES</td><td>50</td></tr><tr><td>CERAMIC TILE ADHESIVES</td><td>65</td></tr><tr><td>VCT & ASPHALT TILE ADHESIVES</td><td>50</td></tr><tr><td>DRYWALL & PANEL ADHESIVES</td><td>50</td></tr><tr><td>COVE BASE ADHESIVES</td><td>50</td></tr><tr><td>MULTIPURPOSE CONSTRUCTION ADHESIVES</td><td>70</td></tr><tr><td>STRUCTURAL GLAZING ADHESIVES</td><td>100</td></tr><tr><td>SINGLE-PLY ROOF MEMBRANE ADHESIVES</td><td>250</td></tr><tr><td>OTHER ADHESIVES NOT SPECIFICALLY LISTED</td><td>50</td></tr><tr><td colspan="2">SPECIALTY APPLICATIONS</td></tr><tr><td>PVC WELDING</td><td>510</td></tr><tr><td>CPVC WELDING</td><td>490</td></tr><tr><td>ABS WELDING</td><td>325</td></tr><tr><td>PLASTIC CEMENT WELDING</td><td>250</td></tr><tr><td>ADHESIVE PRIMER FOR PLASTIC</td><td>550</td></tr><tr><td>CONTACT ADHESIVE</td><td>80</td></tr><tr><td>SPECIAL PURPOSE CONTACT ADHESIVE</td><td>250</td></tr><tr><td>STRUCTURAL WOOD MEMBER ADHESIVE</td><td>140</td></tr><tr><td>TOP & TRIM ADHESIVE</td><td>250</td></tr><tr><td colspan="2">SUBSTRATE SPECIFIC APPLICATIONS</td></tr><tr><td>METAL TO METAL</td><td>30</td></tr><tr><td>PLASTIC FOAMS</td><td>50</td></tr><tr><td>POROUS MATERIAL (EXCEPT WOOD)</td><td>50</td></tr><tr><td>WOOD</td><td>30</td></tr><tr><td>FIBERGLASS</td><td>80</td></tr></tbody></table> 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/CRUHTM/LR/1168.PDF												ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT	INDOOR CARPET ADHESIVES	50	CARPET PAD ADHESIVES	50	OUTDOOR CARPET ADHESIVES	150	WOOD FLOORING ADHESIVES	100	RUBBER FLOOR ADHESIVES	60	SUBFLOOR ADHESIVES	50	CERAMIC TILE ADHESIVES	65	VCT & ASPHALT TILE ADHESIVES	50	DRYWALL & PANEL ADHESIVES	50	COVE BASE ADHESIVES	50	MULTIPURPOSE CONSTRUCTION ADHESIVES	70	STRUCTURAL GLAZING ADHESIVES	100	SINGLE-PLY ROOF MEMBRANE ADHESIVES	250	OTHER ADHESIVES NOT SPECIFICALLY LISTED	50	SPECIALTY APPLICATIONS		PVC WELDING	510	CPVC WELDING	490	ABS WELDING	325	PLASTIC CEMENT WELDING	250	ADHESIVE PRIMER FOR PLASTIC	550	CONTACT ADHESIVE	80	SPECIAL PURPOSE CONTACT ADHESIVE	250	STRUCTURAL WOOD MEMBER ADHESIVE	140	TOP & TRIM ADHESIVE	250	SUBSTRATE SPECIFIC APPLICATIONS		METAL TO METAL	30	PLASTIC FOAMS	50	POROUS MATERIAL (EXCEPT WOOD)	50	WOOD	30	FIBERGLASS	80																						
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TABLE 5.504.4.2 - SEALANT VOC LIMIT Less Water and Less Exempt Compounds in Grams per Liter <table><thead><tr><th>SEALANTS</th><th>CURRENT VOC LIMIT</th></tr></thead><tbody><tr><td>ARCHITECTURAL</td><td>250</td></tr><tr><td>MARINE DECK</td><td>760</td></tr><tr><td>NONMEMBRANE ROOF</td><td>300</td></tr><tr><td>ROADWAY</td><td>250</td></tr><tr><td>SINGLE-PLY ROOF MEMBRANE</td><td>450</td></tr><tr><td>OTHER</td><td>420</td></tr><tr><td colspan="2">SEALANT PRIMERS</td></tr><tr><td>ARCHITECTURAL</td><td></td></tr><tr><td>NONPOROUS</td><td>250</td></tr><tr><td>POROUS</td><td>775</td></tr><tr><td>MODIFIED BITUMINOUS</td><td>500</td></tr><tr><td>MARINE DECK</td><td>760</td></tr><tr><td>OTHER</td><td>750</td></tr></tbody></table> NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.												SEALANTS	CURRENT VOC LIMIT	ARCHITECTURAL	250	MARINE DECK	760	NONMEMBRANE ROOF	300	ROADWAY	250	SINGLE-PLY ROOF MEMBRANE	450	OTHER	420	SEALANT PRIMERS		ARCHITECTURAL		NONPOROUS	250	POROUS	775	MODIFIED BITUMINOUS	500	MARINE DECK	760	OTHER	750																																																								
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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 product limits of Regulation 8 Rule 49.																																																																																															
TABLE 5.504.4.3 - CONT. GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS <table><thead><tr><th>COATING CATEGORY</th><th>CURRENT VOC LIMIT</th></tr></thead><tbody><tr><td colspan="2">SPECIALTY COATINGS</td></tr><tr><td>ALUMINUM ROOF COATINGS</td><td>400</td></tr><tr><td>BASEMENT SPECIALTY COATINGS</td><td>400</td></tr><tr><td>BITUMINOUS ROOF COATINGS</td><td>50</td></tr><tr><td>BITUMINOUS ROOF PRIMERS</td><td>350</td></tr><tr><td>BOND BREAKERS</td><td>350</td></tr><tr><td>CONCRETE CURING COMPOUNDS</td><td>350</td></tr><tr><td>CONCRETE/MASONRY SEALERS</td><td>100</td></tr><tr><td>DRIVEWAY SEALERS</td><td>50</td></tr><tr><td>DRY FOG COATINGS</td><td>150</td></tr><tr><td>FAUX FINISHING COATINGS</td><td>350</td></tr><tr><td>FIRE RESISTIVE COATINGS</td><td>350</td></tr><tr><td>FLOOR COATINGS</td><td>100</td></tr><tr><td>FORM-RELEASE COMPOUNDS</td><td>250</td></tr><tr><td>GRAPHIC ARTS COATINGS (SIGN PAINTS)</td><td>500</td></tr><tr><td>HIGH-TEMPERATURE COATINGS</td><td>420</td></tr><tr><td>INDUSTRIAL MAINTENANCE COATINGS</td><td>250</td></tr><tr><td>LOW SOLIDS COATINGS¹</td><td>120</td></tr><tr><td>MAGNESITE CEMENT COATINGS</td><td>450</td></tr><tr><td>MASTIC TEXTURE COATINGS</td><td>100</td></tr><tr><td>METALLIC PIGMENTED COATINGS</td><td>500</td></tr><tr><td>MULTICOLOR COATINGS</td><td>250</td></tr><tr><td>PRETREATMENT WASH PRIMERS</td><td>420</td></tr><tr><td>PRIMERS, SEALERS, & UNDERCOATERS</td><td>100</td></tr><tr><td>REACTIVE PENETRATING SEALERS</td><td>350</td></tr><tr><td>RECYCLED COATINGS</td><td>250</td></tr><tr><td>ROOF COATINGS</td><td>50</td></tr><tr><td>RUST PREVENTATIVE COATINGS</td><td>250</td></tr><tr><td>SHELLACS:</td><td></td></tr><tr><td>CLEAR</td><td>730</td></tr><tr><td>OPAQUE</td><td>550</td></tr><tr><td>SPECIALTY PRIMERS, SEALERS & UNDERCOATERS</td><td>100</td></tr><tr><td>STAINS</td><td>250</td></tr><tr><td>STONE CONSOLIDANTS</td><td>450</td></tr><tr><td>SWIMMING POOL COATINGS</td><td>340</td></tr><tr><td>TRAFFIC MARKING COATINGS</td><td>100</td></tr><tr><td>TUB & TILE REFRESH COATINGS</td><td>420</td></tr><tr><td>WATERPROOFING MEMBRANES</td><td>250</td></tr><tr><td>WOOD COATINGS</td><td>275</td></tr><tr><td>WOOD PRESERVATIVES</td><td>350</td></tr><tr><td>ZINC-RICH PRIMERS</td><td>340</td></tr></tbody></table> 1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS 2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE. 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: 1. Manufacturer's product specification 2. 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 Specifications 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/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 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/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 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5. 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: 1. Product certifications and specifications. 2. Chain of custody certifications. 3. 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 S3 standards. 5. Other methods acceptable to the enforcing agency.												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 COATINGS ¹	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 REFRESH COATINGS	420	WATERPROOFING MEMBRANES	250	WOOD COATINGS	275	WOOD PRESERVATIVES	350	ZINC-RICH PRIMERS	340
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TABLE 5.504.4.5 - FORMALDEHYDE LIMITS: MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION <table><thead><tr><th>PRODUCT</th><th>CURRENT LIMIT</th></tr></thead><tbody><tr><td>HARDWOOD PLYWOOD VENEER CORE</td><td>0.05</td></tr><tr><td>HARDWOOD PLYWOOD COMPOSITE CORE</td><td>0.05</td></tr><tr><td>PARTICLE BOARD</td><td>0.09</td></tr><tr><td>MEDIUM DENSITY FIBERBOARD</td><td>0.11</td></tr><tr><td>THIN MEDIUM DENSITY FIBERBOARD²</td><td>0.13</td></tr></tbody></table> 1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93122.12. 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).												PRODUCT	CURRENT LIMIT	HARDWOOD PLYWOOD VENEER CORE	0.05	HARDWOOD PLYWOOD COMPOSITE CORE	0.05	PARTICLE BOARD	0.09	MEDIUM DENSITY FIBERBOARD	0.11	THIN MEDIUM DENSITY FIBERBOARD ²	0.13																																																																								
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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 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CDC/DPH/DEOD/CEHLB/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 12, 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/CDC/DPH/DEOD/CEHLB/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 limits. 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) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. Exceptions: Existing mechanical equipment. 5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating. 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 as 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, CO ₂ 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: 1. 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 windows. 2. 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. 3. A monitor shall provide notification through 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. 4. 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. 5. 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. 6. 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 5.507.1 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 altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of not less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations: 1. Within the 65 CNEL noise contour of an airport. Exceptions: 1. L _w or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICLZ) plan. 2. L _w 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 L _w noise contour of a freeway or expressway, railroad, industrial source or freetransitway source as determined by the Noise Element of the General Plan. 5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L _w - 1hr 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). 5.507.4.2 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 does 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_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 contain CFCs. 5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.																																																																																															
5.508.2 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 potential (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 nonzone-depleting refrigerants that include ammonia, carbon dioxide (CO ₂), 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-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils. 5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil. Exception: Single-flared tubing connections may be used with a multilayer seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations. 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 follows. 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 permitted for use. 5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic. 5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place. 5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps. Exception: Valves with seal caps that are not removed from the valve during stem operation. 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 that 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 charging. 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 gauge. 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 hold for 30 minutes. 5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes. 5.508.2.6.3 Third vacuum. Pull a third system 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.																																																																																															
CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS 702 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. Unlicensed 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: 1. State certified apprenticeship programs. 2. Public utility training programs. 3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations. 4. 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: 1. 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. 3. Successful completion of a third party apprentice training program in the appropriate trades. 4. Other programs acceptable to the enforcing agency. Notes: 1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. 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 certification 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.																																																																																															

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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 #1
ANAHEIM, CA 92806
LIC#1073807

PROJECT NAME LOCATION OWNER

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 SEQUENCE	REVISION DESCRIPTION	REVISION DATE
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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

CA-GREEN BUILDING
STANDARDS

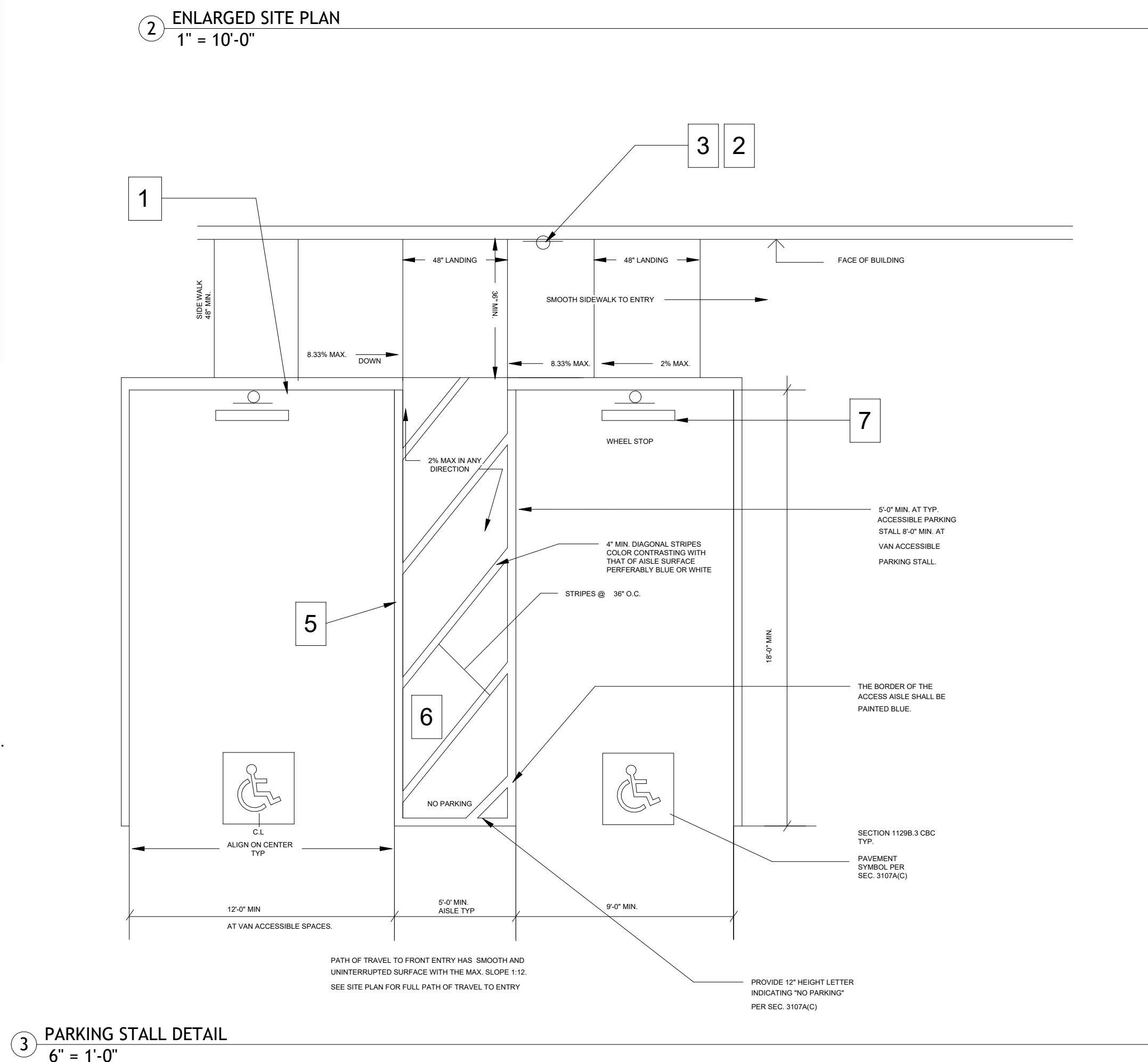
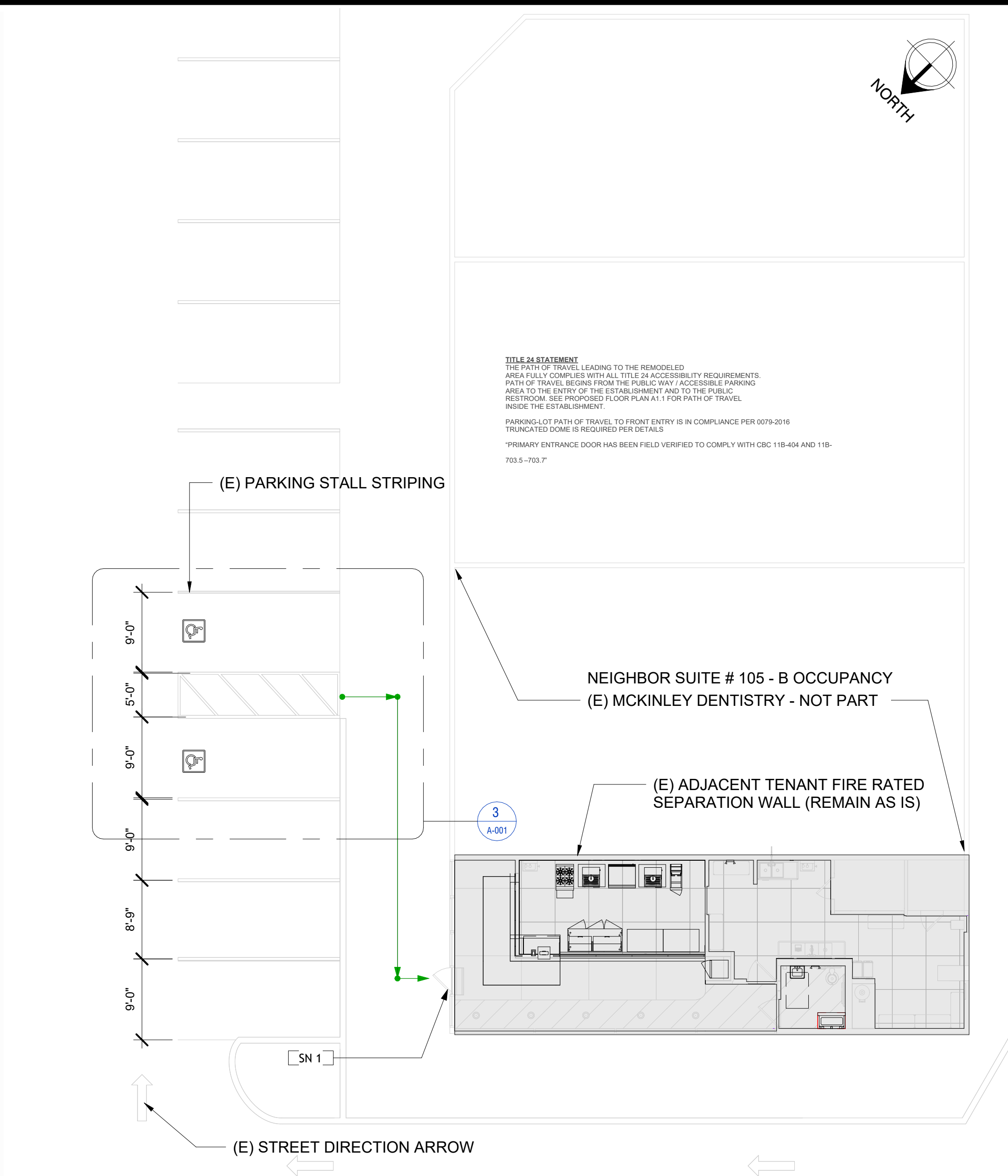
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GR-03






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.



2022 CBC Table 11B-6		
EXISTING PARKING TABULATION		
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
NOTE:		
1. TOTAL 9 ACCESSIBLE PARKING STALLS AND (2 VAN ACCESSIBLE 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
SN 1	<p>MAIN ENTRANCE</p> <p>1) FIELD VERIFICATION OF COMPLIANCE OF FOLLOWING ELEMENTS OF DISABLED ACCESS WITH REQUIREMENTS IN CBC CHAPTER 11B:</p> <p>A) PRIMARY ENTRANCE DOOR (11B-404 AND 11B-703.5-11B-703.7);</p> <p>B) PATH OF TRAVEL FROM PARKING SPACE ACCESS AISLE TO THE PUBLIC SIDEWALK (11B-403)</p> <p>C) ACCESSIBLE PARKING SPACE AND LOADING ZONE (11B-502)</p>

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 THROUGHOUT THE PROJECT'S PERIOD.

1. FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G001.
2. ALL ITEMS SHOWN OR NOTED ARE EXISTING, UNLESS INDICATED OTHERWISE AS NEW.
4. PER LOGISTICS PLAN, CONTRACTOR TO PROVIDE TEMPORARY 6' HIGH CHAINLINK FENCE AROUND ANY EXTERIOR COMPONENT RELATED TO THE PROJECTS CONSTRUCTION, SUCH AS (TEMPORARY TOILETS, DUMPSTER, MATERIALS STAGING AREA.
5. 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.
6. 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 CONSTRUCTION.
7. RUN-OFF FROM PETROLEUM PRODUCTS, LIME AND MORTAR, SOLID STERILANTS, AND THE WASHING OF EQUIPMENT USED TO APPLY THESE MATERIALS, IS PROHIBITED WITHIN PLANTED AREAS.
8. 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 CROSSEWALKS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO ORIGINAL OR BETTER CONDITION. REPAINT CROSSEWALKS 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 UNCERTIFIED (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 1/4" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE . SURFACE IS SLIGHTLY DOWNHILL AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 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.



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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 #1
ANAHEIM, CA 92806
LIC#1073807

PROJECT NAME	LOCATION	OWNER
LEVANTY RESTAURANT TENANT IMPROVEMENTS	115 N MCKINLEY ST STE 107. CORONA, CA 92879	ZAHER DAKELBAB

AUTHORITY HAVING JURISDICTION (AH)

BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION SEQUENCE	REVISION DESCRIPTION	REVISION DATE
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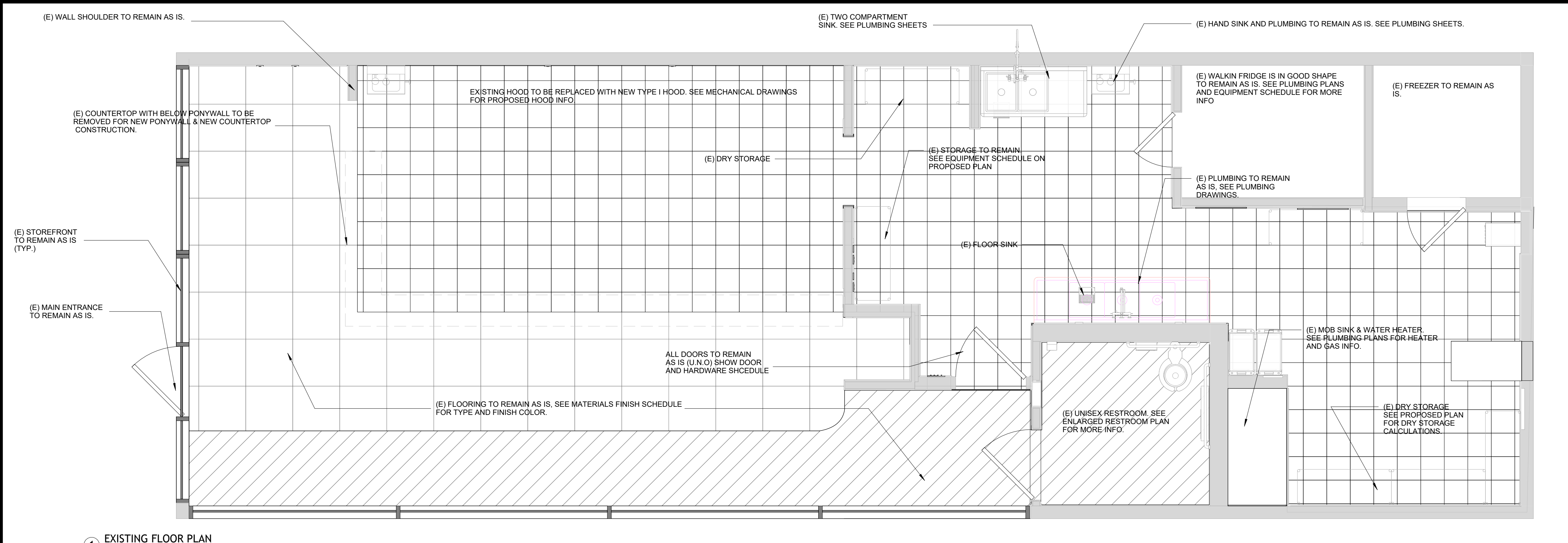
ENGINEER OF RECORD

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SHEET NAME
OVERALL SITE PLAN

SHEET NUMBER
A-001



1 EXISTING FLOOR PLAN
3/8" = 1'-0"

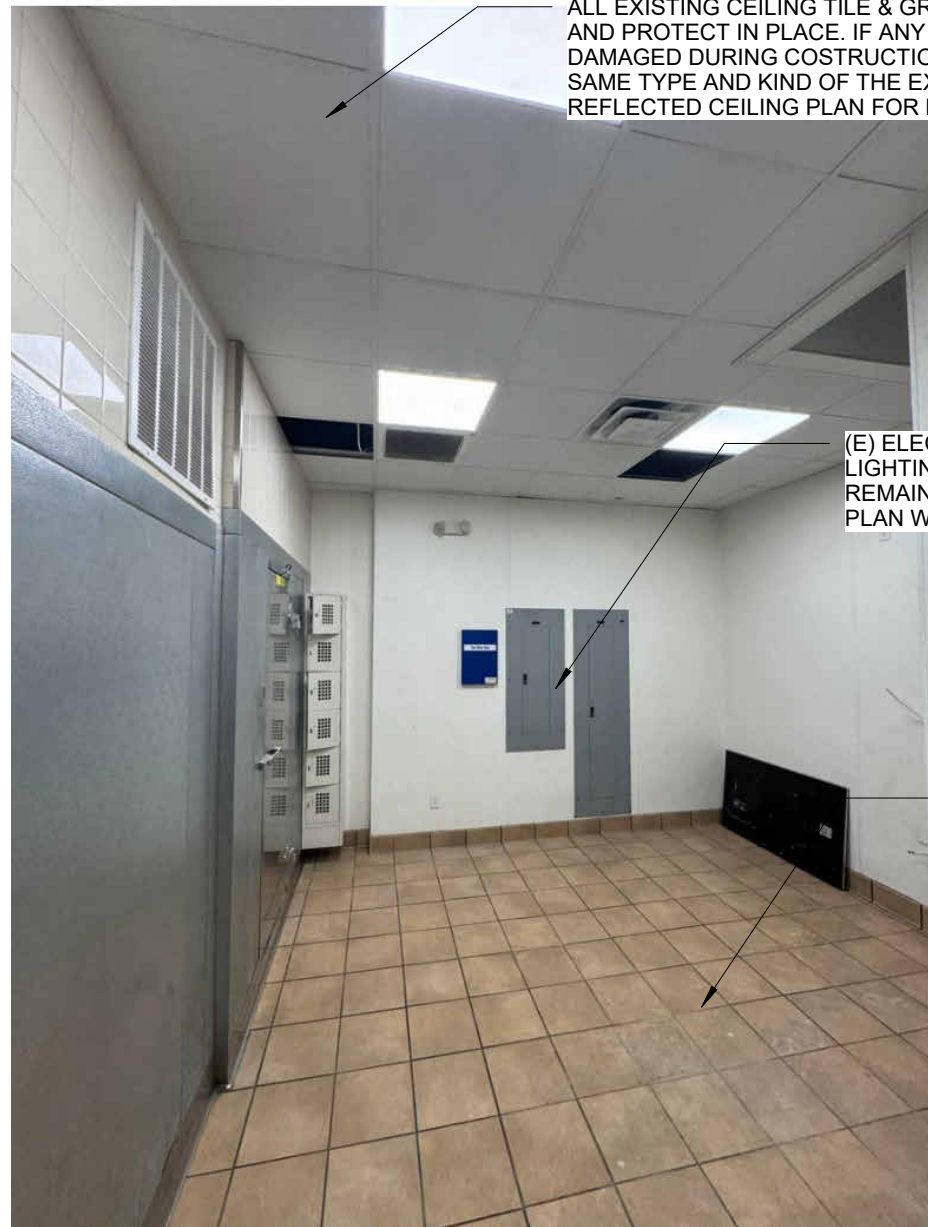
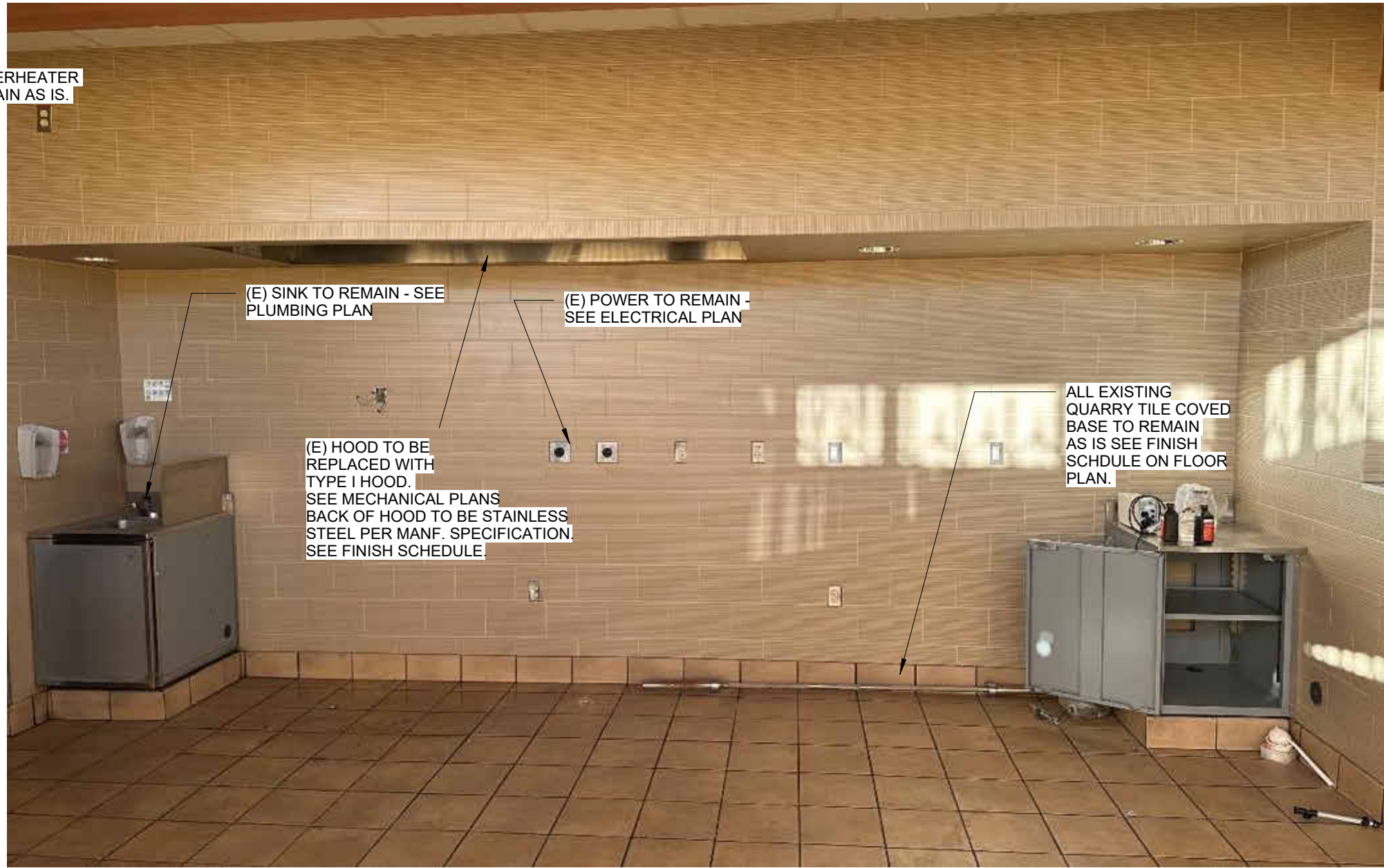
PLEASE NOTE: ALL PICTURES SHOWN ON THIS SHEET ARE EXISTING ITEMS AND ARE FOR REFERENCE OLY AND NOT INTENDED TO BE MORE THAN GUIDE OR REFERENCE TO SHOW THE EXISTING ITEMS. REFER TO FLOOR PLANS, ELEVATION, SECTIONS FOR ARCHITECTURAL. PLUMBING, MECHANICAL & ELECTRICAL SHEETS FOR MORE INFO.

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

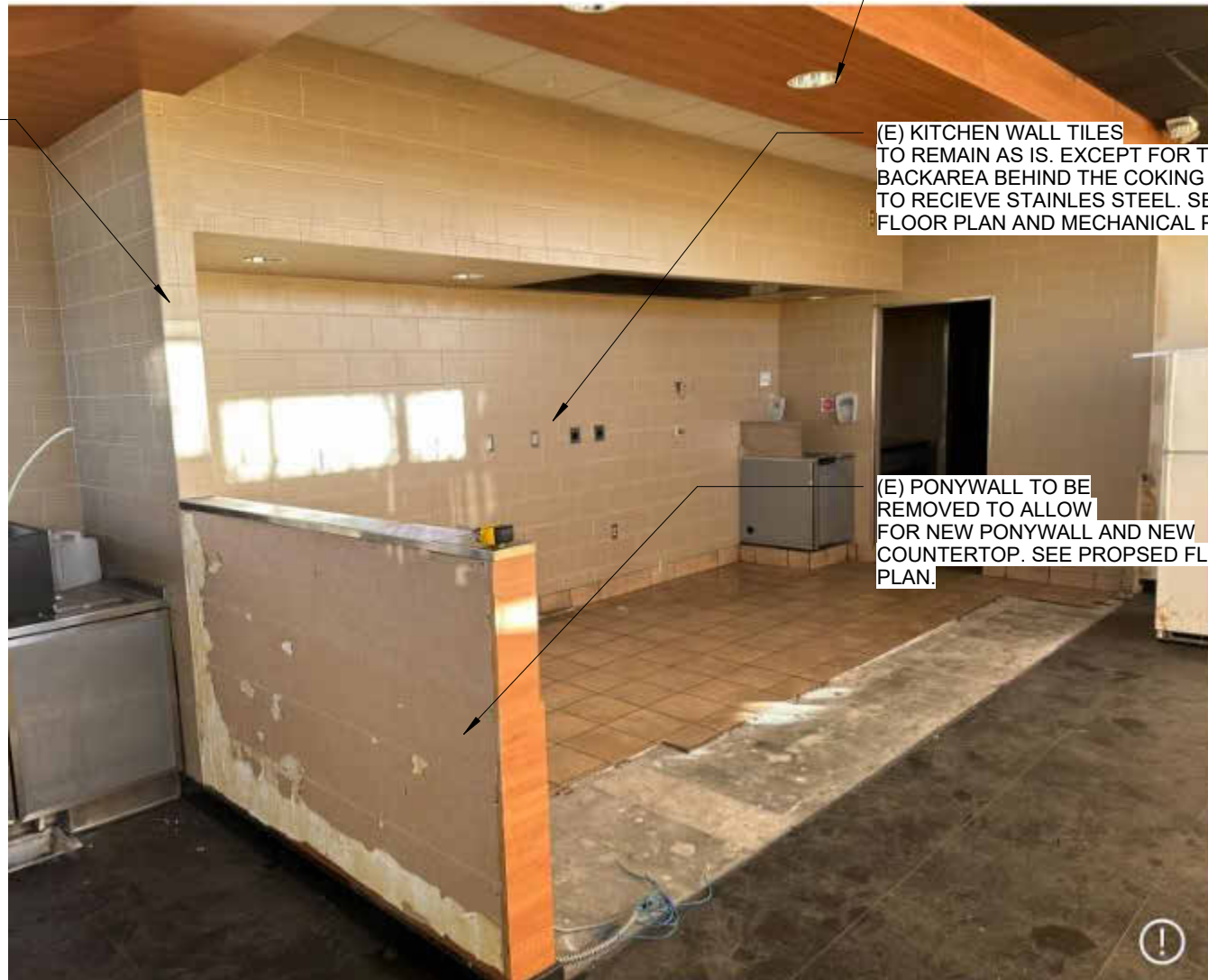
- CONTRACTOR TO VERIFY ALL ITEMS NOTED ON THE PLANS ARE EXISTING AND NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCY .
- THE DEMOLITION EXTENT INCLUDES ANY AND ALL ITEMS NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT.
- ANY DISCREPANCIES BETWEEN THE PLANS & FIELD CONDITIONS THAT ARE DISCOVERED ARE 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.
- 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 CONSTRUCTION.
- ALL DOORS AND HARDWARE TO REMAIN UNLESS NOTED OTHERWISE IN THE DOOR AND FRAME SCHEDULE.
- 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 PLUMBING BELOW PATCH OF FLOOR SLAB.
- REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL BEING REMOVED, RELOCATED OR ABANDONED CUT AND PATCH FLOOR AS REQUIRED FOR NEW ELECTRICAL.
- THOROUGHLY CLEAN BUILDING UPON COMPLETION OF SELECTIVE DEMOLITION.
- TOTAL SCOPE OF DEMOLITION MAY NOT BE COVERED ON THIS SHEET, REVIEW ALL SHEETS IN THE CONSTRUCTION DOCUMENTS TO DETERMINE TOTAL SCOPE OF DEMOLITION.



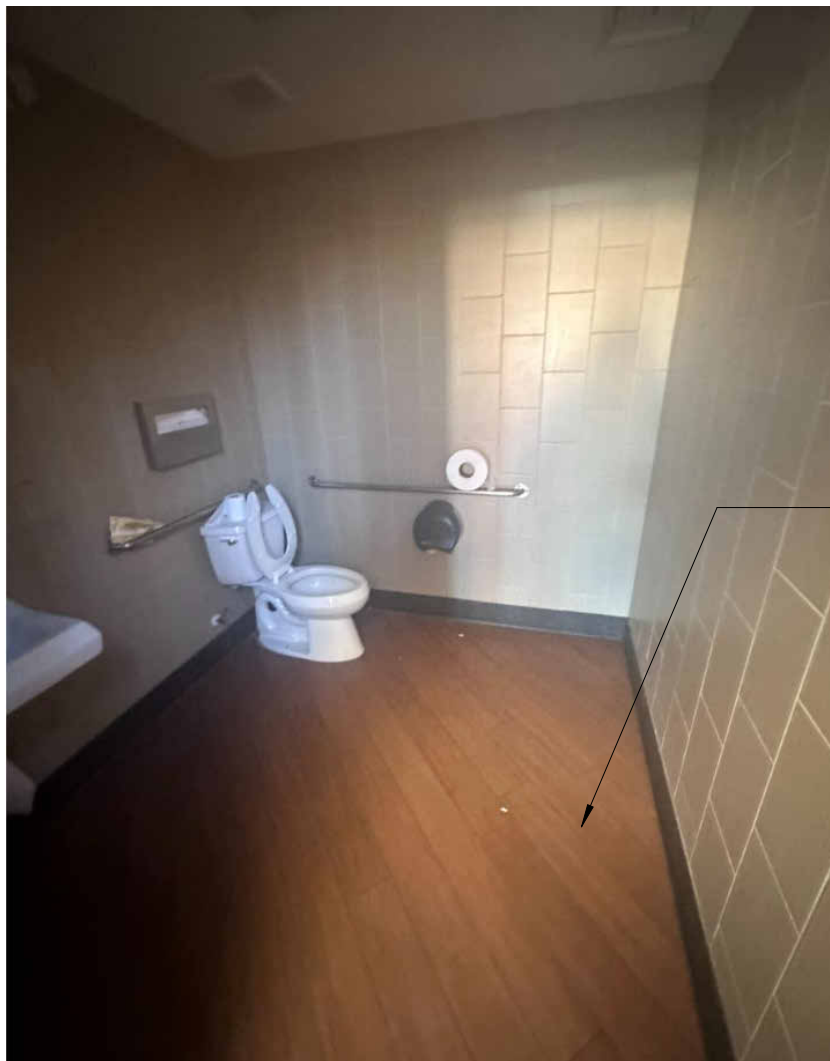
(E) KITCHEN FLOOR QUARRY TILES AND COVERED BASE TO REMAIN AS IS. THE PROPOSED PLAN WILL SHOW ON THE FINISH SCHEDULE



(E) WALL SHOULDER REMAIN AS IS. REMOVE TILE FROM EMPLOYEE SIDE AND INSTALL STAINLESS STEEL, AND FROM CUSTOMER SIDE TO BE FINISHED PER ROOM FINISH SCHEDULE.



(E) SOFFIT TO REMAIN AS IS. EXISTING LIGHT FIXTURES TO REMAIN AS IS. SEE REFLECTED CEILING PLAN AND LIGHTING PLAN.



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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
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 SEQUENCE	REVISION DESCRIPTION	REVISION DATE
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ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP

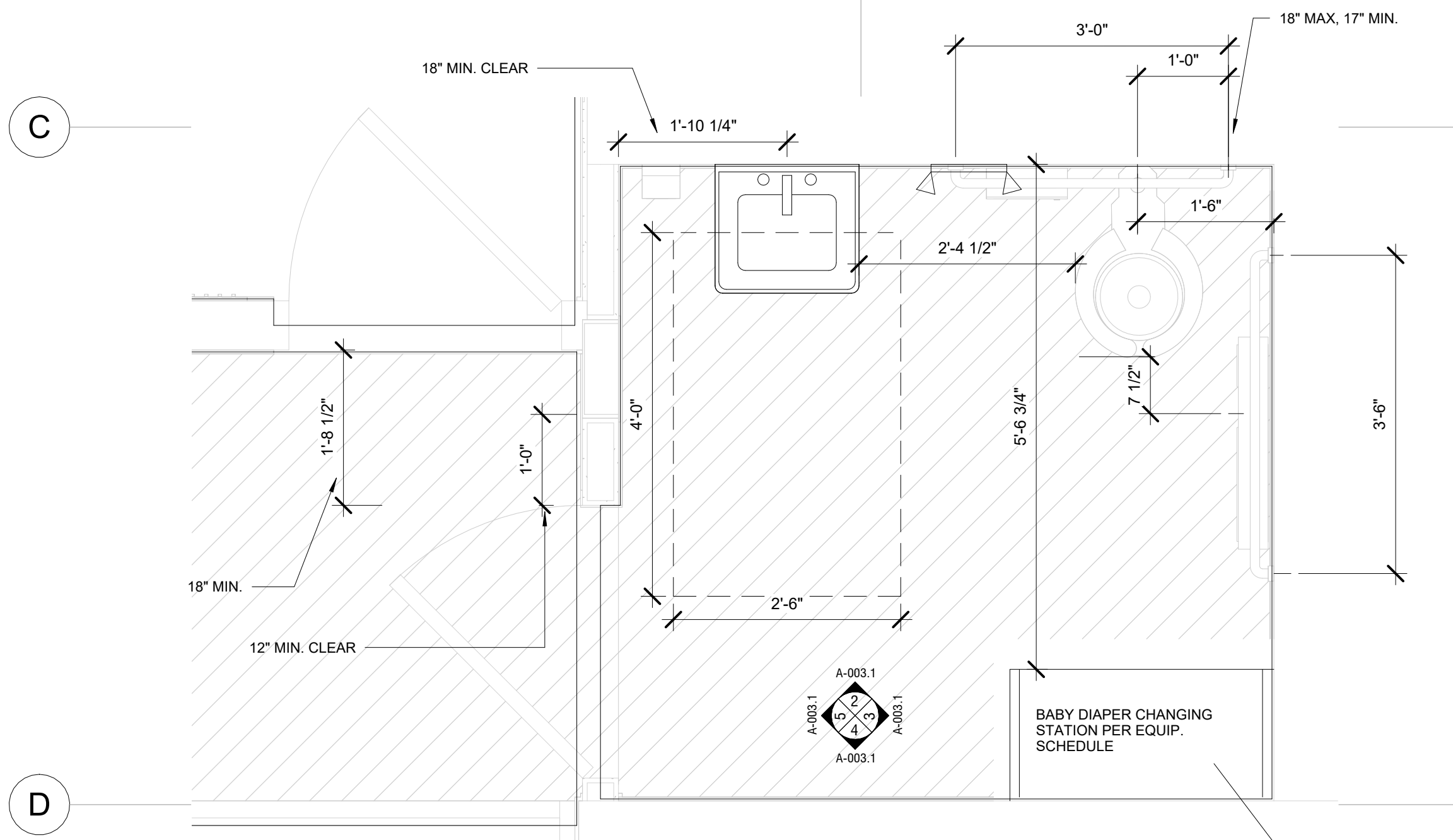
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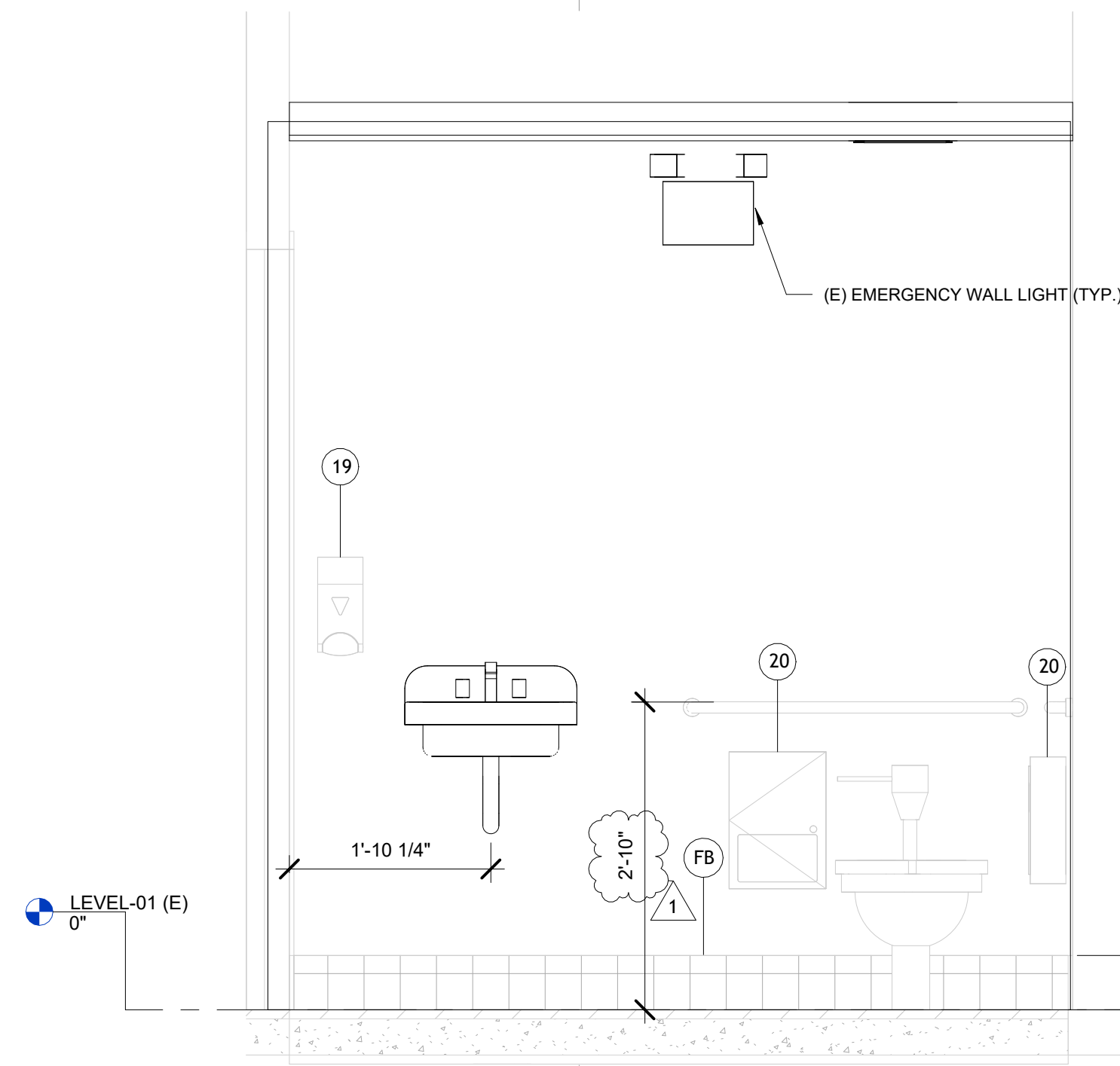
SHEET NAME
EXISTING CONDITIONS
FLOOR PLAN

SHEET NUMBER

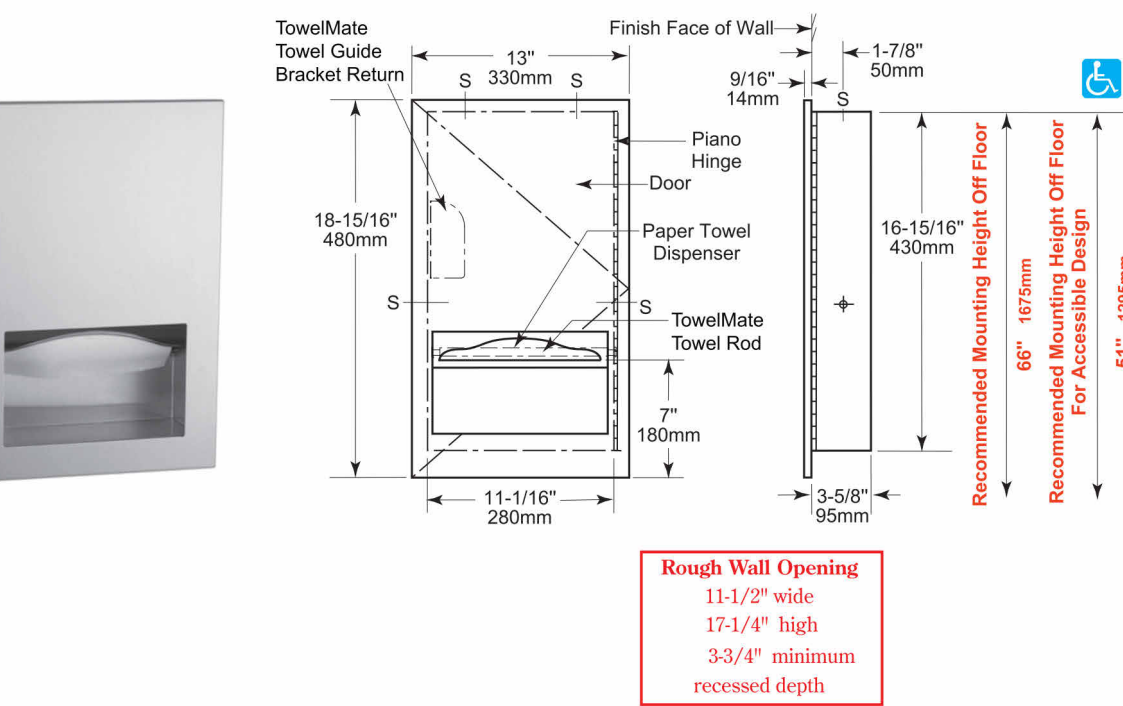
A-002



1 ENLARGED UNISEX BATHROOM FLOOR PLAN
3/4" = 1'-0"

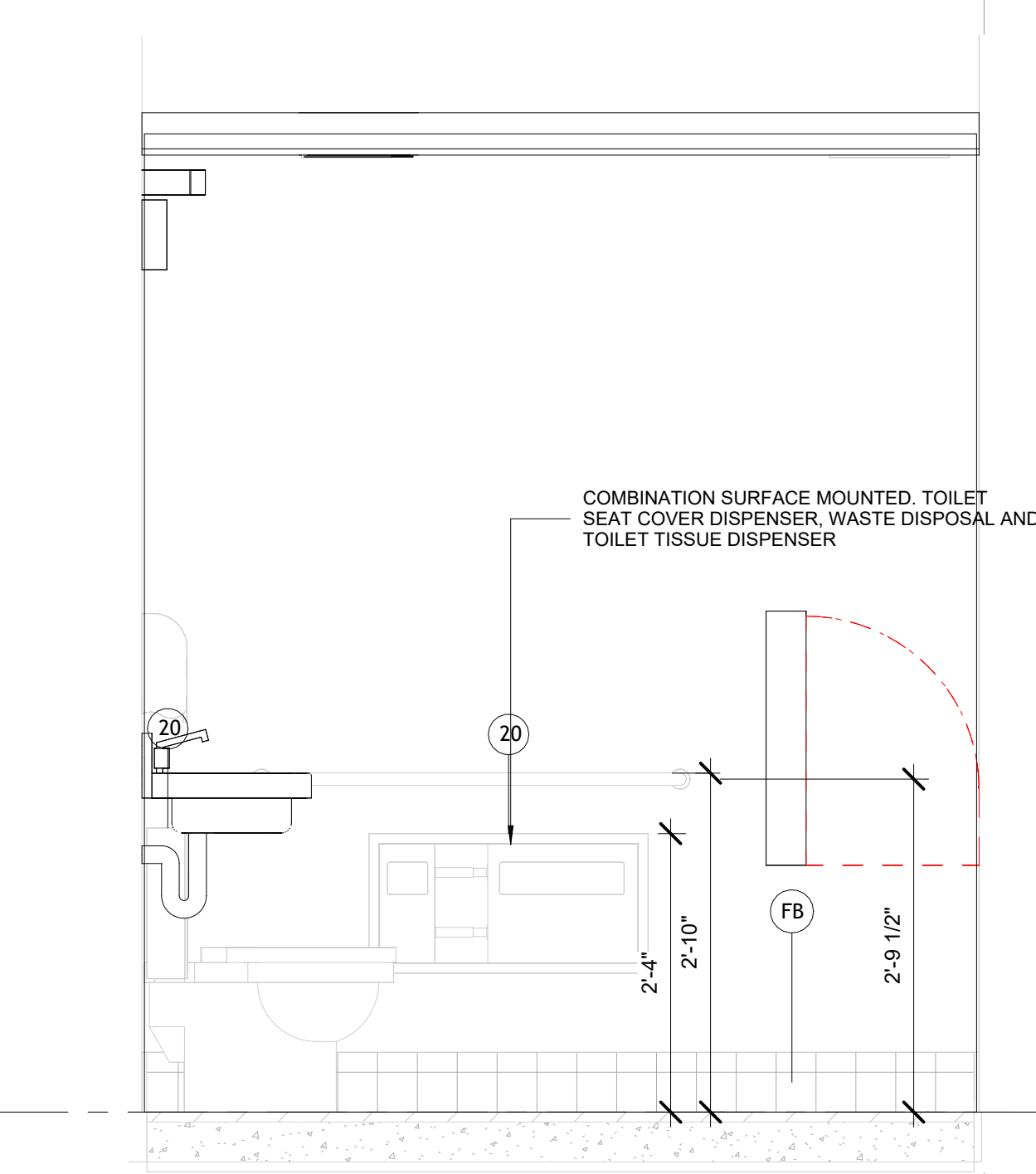


2 ELEVATION - A
3/4" = 1'-0"

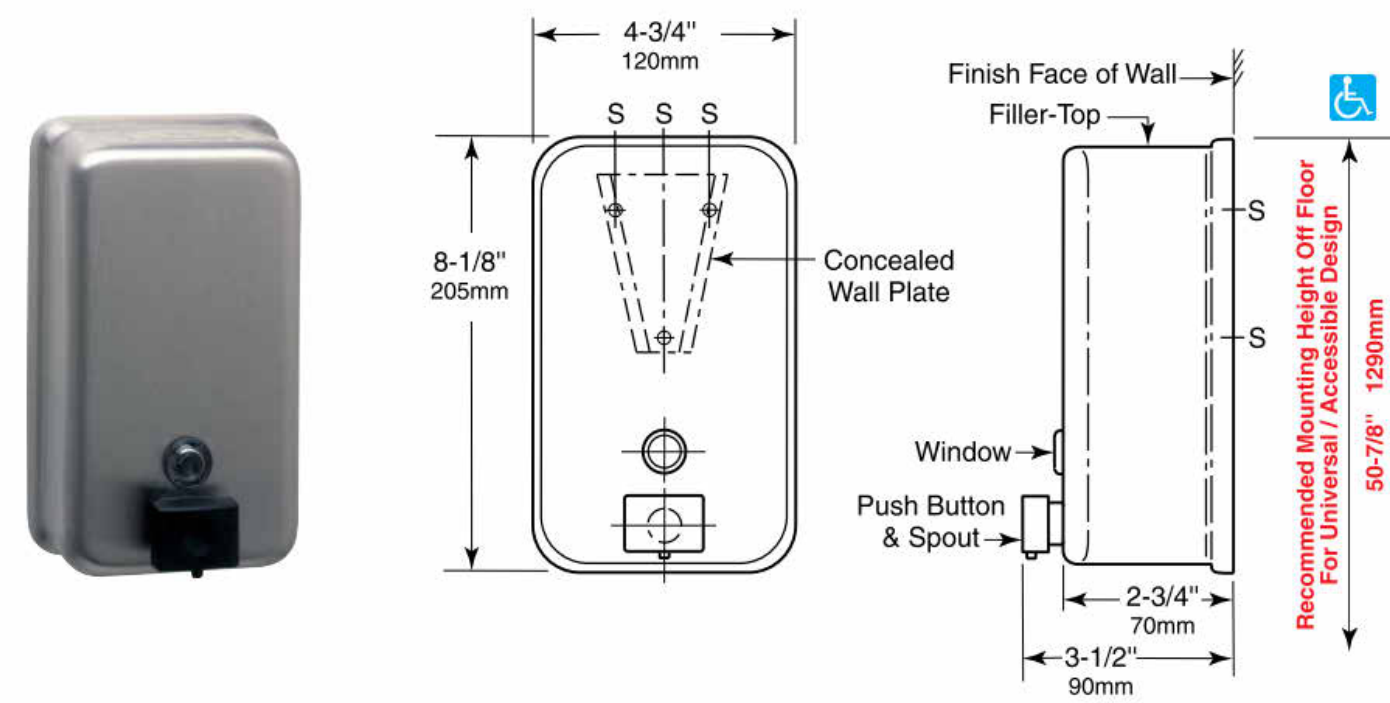


RECESED PAPER-TOWEL DISPENSER

N.T.S.

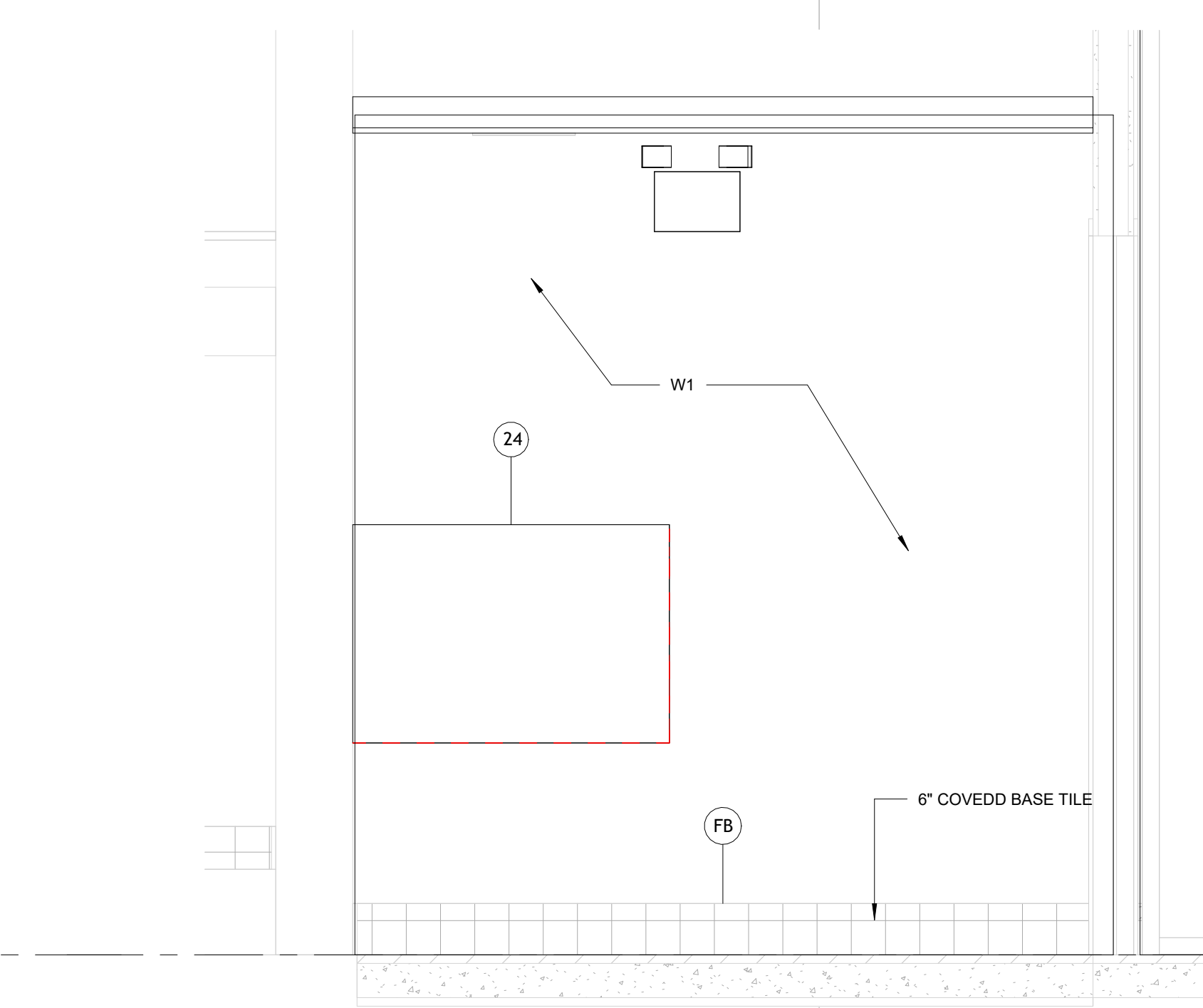


3 ELEVATION - B
3/4" = 1'-0"

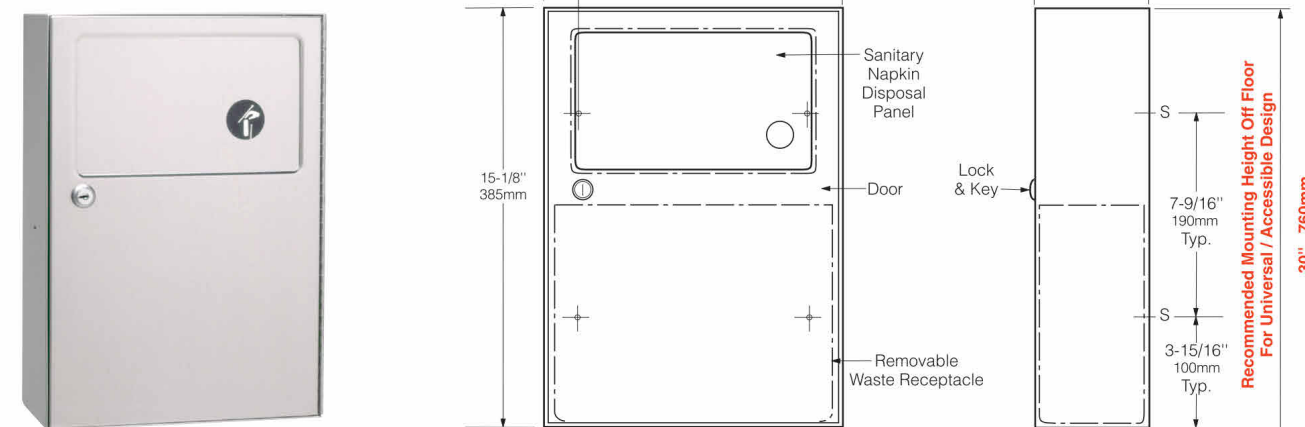


SURFACE MOUNTED SOAP DISPENSER

N.T.S.

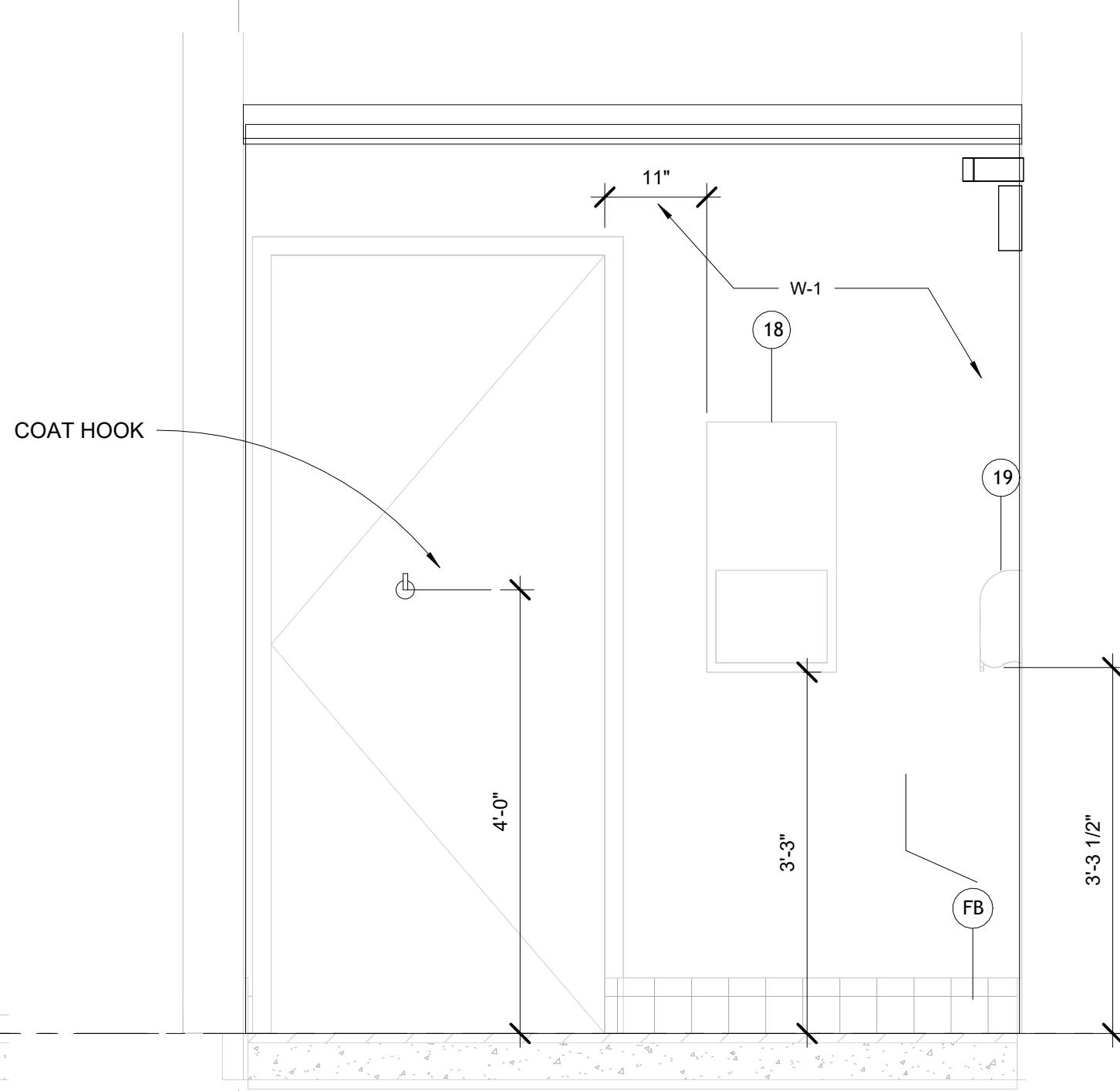


4 ELEVATION - C
3/4" = 1'-0"

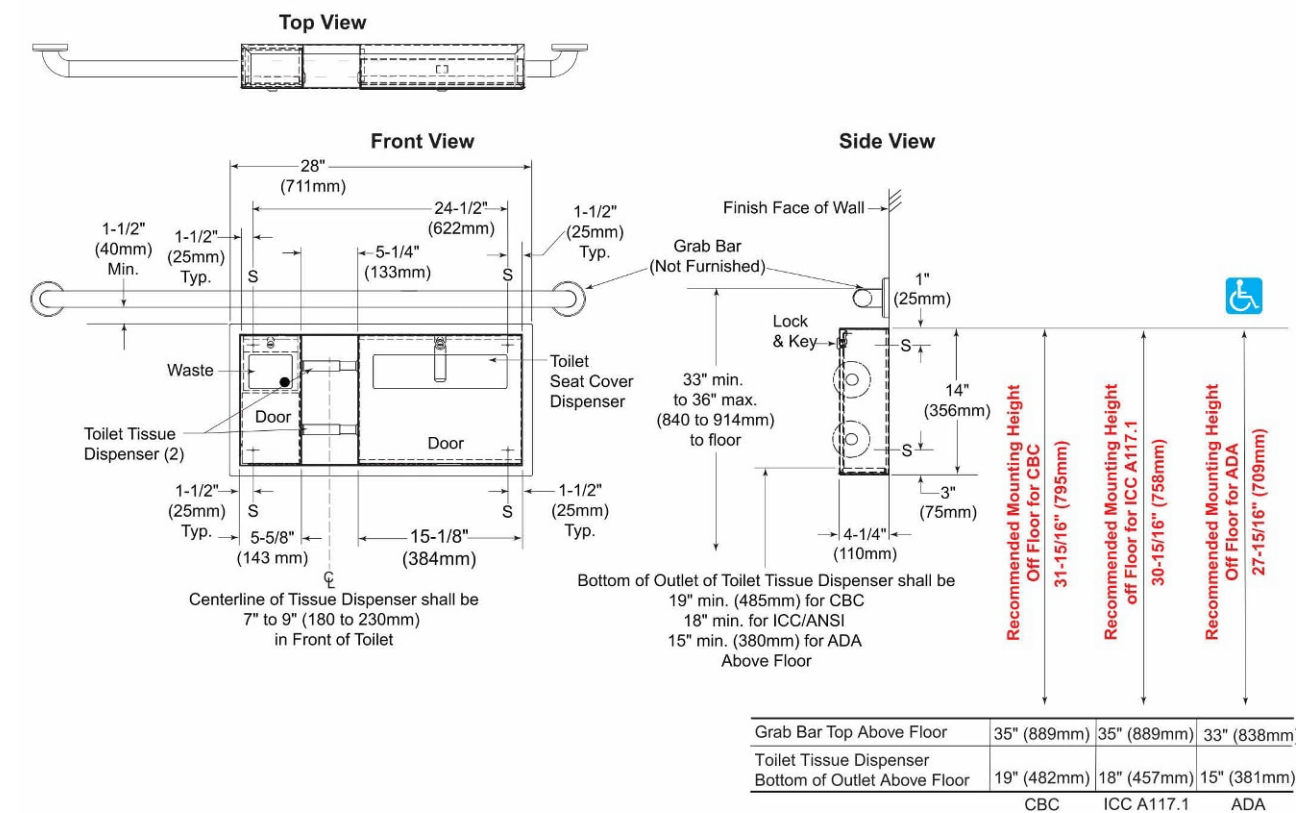


SURFACE MOUNTED SANITARY NAPKINS DISPENSER

N.T.S.



5 ELEVATION - D
3/4" = 1'-0"



TOILET TISSUE, WASTE RECEPTACLE & SEAT COVER DISPENSER

N.T.S.

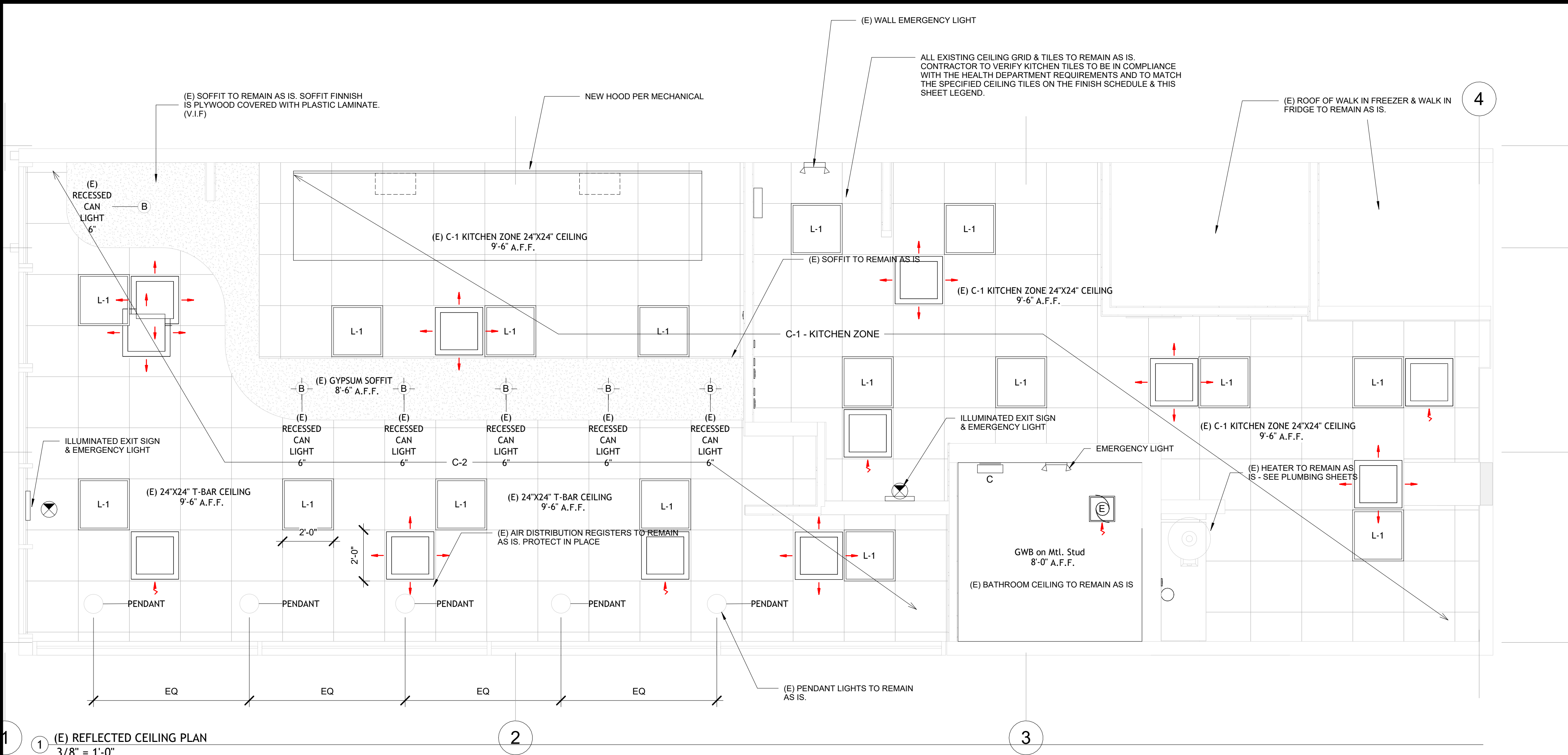
RESTROOM NOTES

- 1- TOILET ROOMS SHALL BE VENTED TO THE OUTSIDE AIR BY MEANS OF AN OPENABLE, SCREENED WINDOW, AN AIR SHAFT, OR A LIGHT-SWITCH-ACTIVATED EXHAUST FAN, CONSISTENT WITH THE REQUIREMENTS OF LOCAL BUILDING CODES.
- 2- PROVIDE ALL-GENDER RESTROOM ROOM AND DOOR SIGN. REFER TO SHEET G2.1 FOR DETAILS.
- 3- COAT HOOK TO BE MOUNTED 48" MAX. AS SHOWN ON ELEVATION #03/A1.3.
- 4-ALL PLUMBING FIXTURES & PLUMBING ACCESSORIES TO BE ADA COMPLIANT. SEE PLUMBING DETAILS FOR FIXTURES TYPES & INSTALLATION DETAILS.
- 5- RESTROM WALL FINISHES PER ROOM FINISH SCHEDULE SHEET A1.2, LOWER PORTION OF THE WALL TO RECEIVE FRP WATER-PROOF.
- 6- 6" HEIGHT COVED BASE IS MANDATORY AT ALL RESTROOM WALLS.
- 7- RESTROOM FLOOR TO BE CERAMIC TILES PER ROOM FINISH SCHEDULE SHEET A1.2.
- 8- REFER TO G2.1 FOR ACCESSIBLE RESTROOM DETAILS.

	A	
TOILET CENTERING FROM WALL	17'-18"	
TOILET SEAT HEIGHT	17'-19"	
GRAB BAR HEIGHT (SIDE)	33"	
TOILET PAPER IN FRONT OF TOILET	12" MAX	
DIMENSIONS TO TOP OF SEAT		
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX	
DISPENSER OR MIRROR HEIGHT	40" MAX	
LAVATORY/SINK TOP HEIGHT	34" MAX	
LAVATORY/SINK KNEE CLEARANCE	29" MAX	
URINAL LIP HEIGHT	17" MAX	
URINAL FLUSH HANDLE HEIGHT	44" MAX	
DRINKING FOUNTAIN BUBBLER HEIGHT	38" MAX	
DRINKING FOUNTAIN KNEE CLEARANCE	37" MAX	
RAMP/STAIR HANDRAIL HEIGHT	34"-38"	

* DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF VIOLATION

A=ADULT DIMENSIONS (AGE 12 AND OVER)



IMPORTANT NOTE TO CONTRACTOR

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

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION
C-1	C-1 (E) ARMSTRONG KITCHEN ZONE (TM) CEILING TILE, 24 IN W X 24 IN L EXISTING GRID TO REMAIN AS IS
C-2	C-2 (E) ARMSTRONG REGULAR CEILING TILE, 24 IN W X 24 IN L EXISTING GRID TO REMAIN AS IS
E	EXIST'G BUILDING STANDARD RECESSED EXHAUST FAN ACTIVATED BY LIGHT SWITCH.
B	EXISTING 24"X24" LENGTH LITHONIA RECESSED CEILING MTD DOWNLIGHT L ED@9'-6" A.F.F.
B	(E) 6" DIA. L.E.D. RECESSED DOWNLIGHT
C	(E) VANITY LIGHT @ 7'-0" A.F.F. 75 WATTS X 1 FIXTURE= 75 TOTAL WATTS.
	EXIST'G BLD'G ST'D CEILING MOUNTED ILLUMINATED EXIT SIGN WITH A 90 MINUTE EMERGENCY BATTERY BACKUP SYSTEM. PROVIDE DIRECTIONAL ARROWS AS REQUIRED.
	EXIST'G 24"X24" RECESSED CL'G MTD HVAC SUPPLY DIFFUSER TO REMAIN (V.I.F)
	EXIST'G 24"X24" RECESSED CL'G MTD HVAC RETURN DIFFUSER TO REMAIN (V.I.F)



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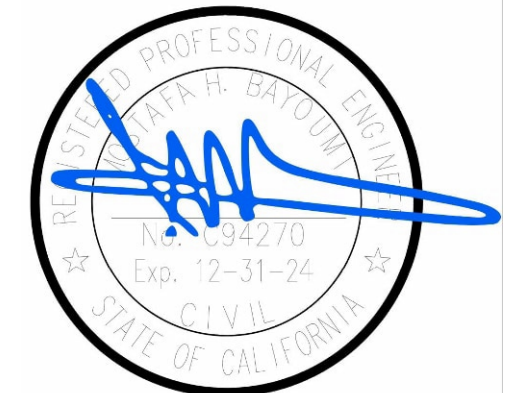
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SHEET NAME
REFLECTED CEILING PLAN

SHEET NUMBER
A-004

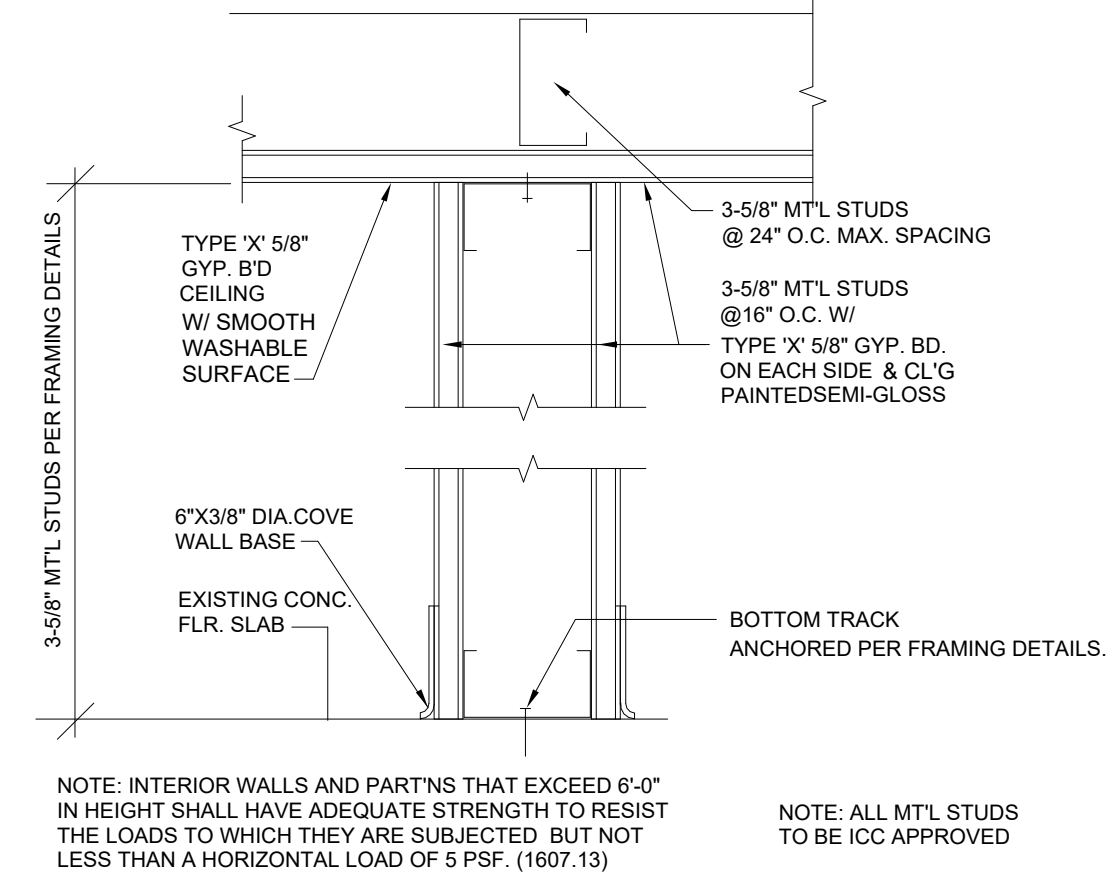
EXITING & EGRESS NOTES

- EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.
- EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX).
- INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS AND SECTION 2702. 1013.5
- EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. 1013.3
- 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
- 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.
- DOOR HANDLES, LOCK, AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MINIMUM OF 34" AND A MAXIMUM OF 48" ABOVE THE FINISHED FLOOR.
- THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.
- ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.1.9 & 1010.1.9.12.
- 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.
- THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOTCANDLE AT THE WALKING SURFACE.
- 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:
 - AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.
 - CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE 2 OR MORE EXITS.
 - 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.
 - INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1028.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
 - 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

- SUSPENDED CEILING PANELS**
 - PANELS SHALL HAVE A SMOOTH VINYL FACED WASHABLE SURFACE.
 - LIGHT COLOR
 - NON-ABSORBENT (NON-PERFORATED)
 - SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS FOR LEVEL SUSPENDED CEILING GRIDS.
 - HOLD DOWN CLIPS ARE RECOMMENDED.
- SOFFIT OR SUSPENDED CEILING**

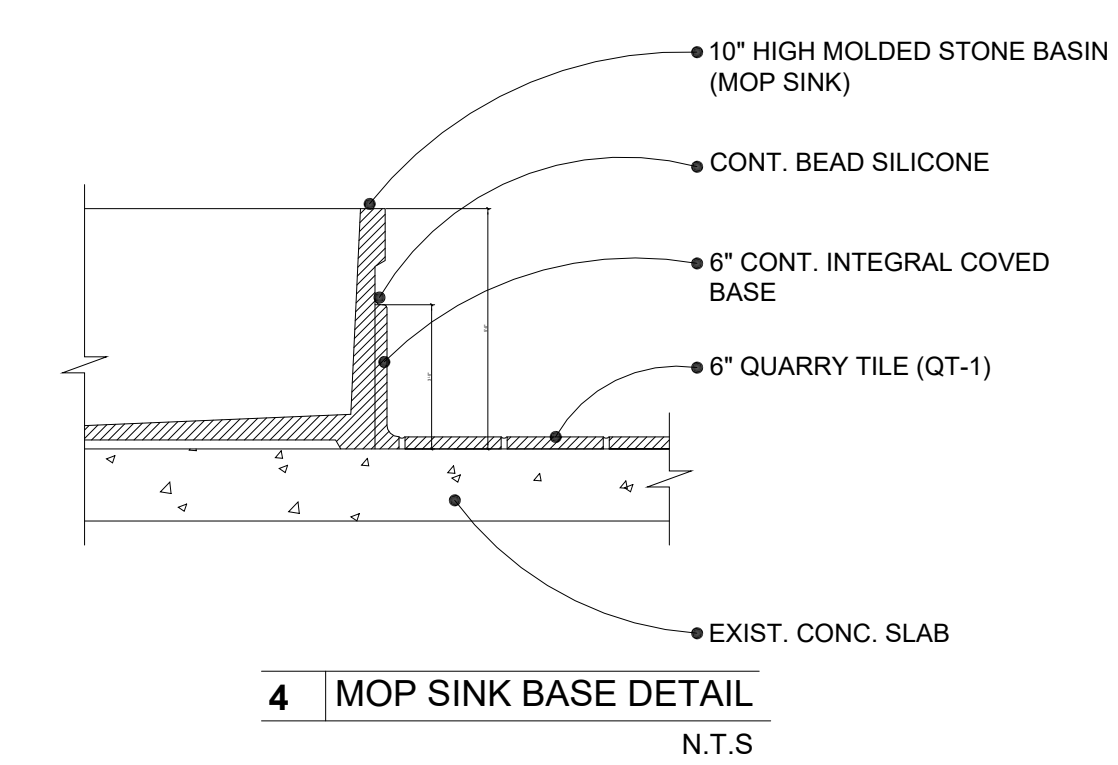
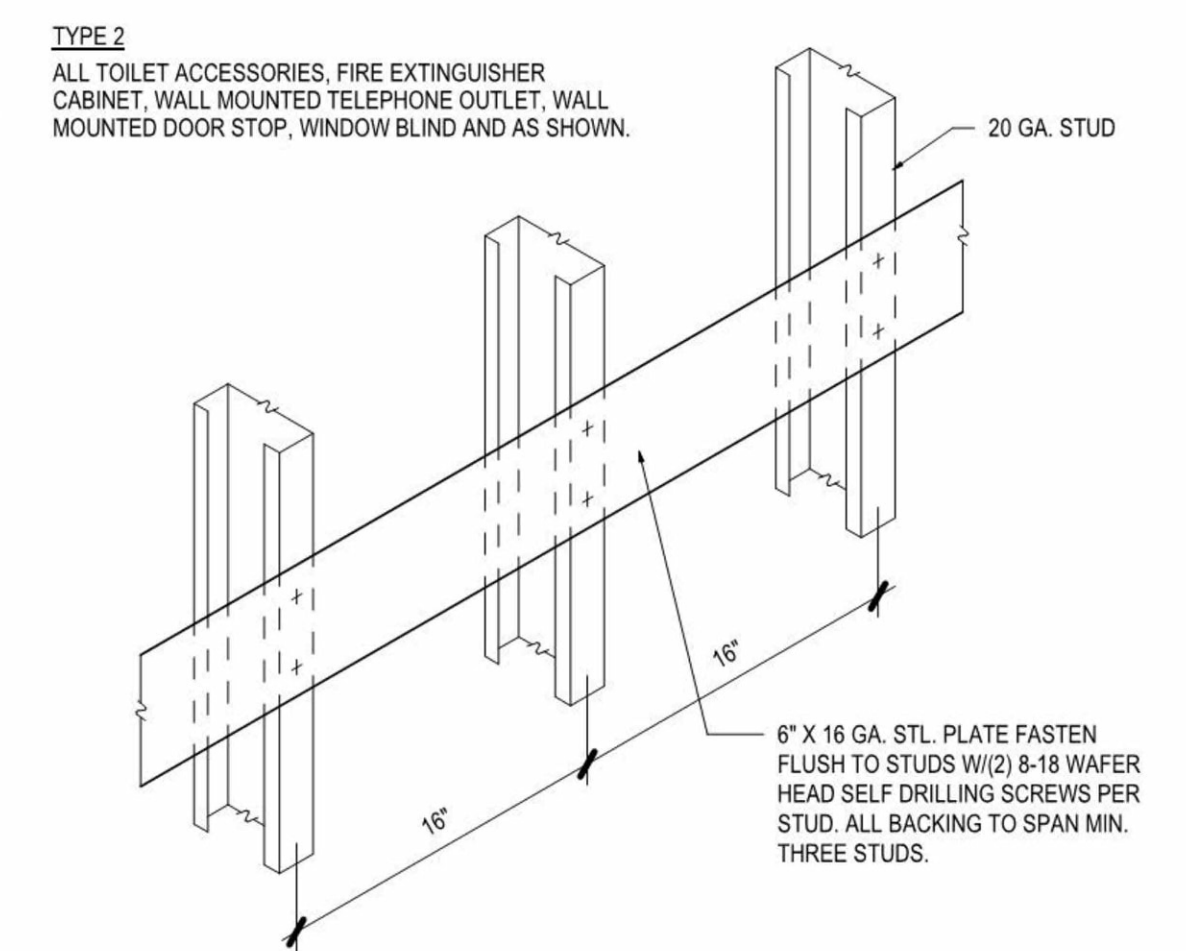
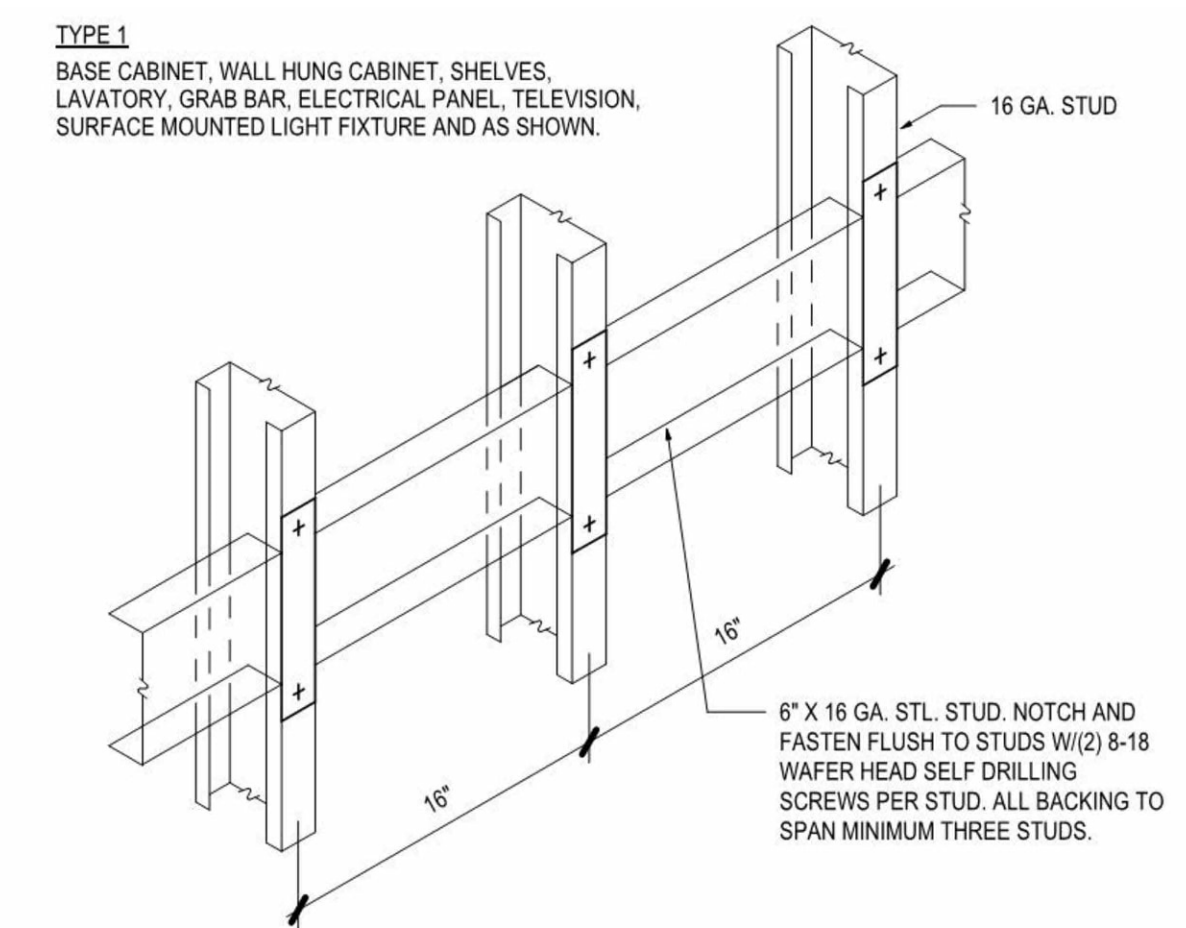
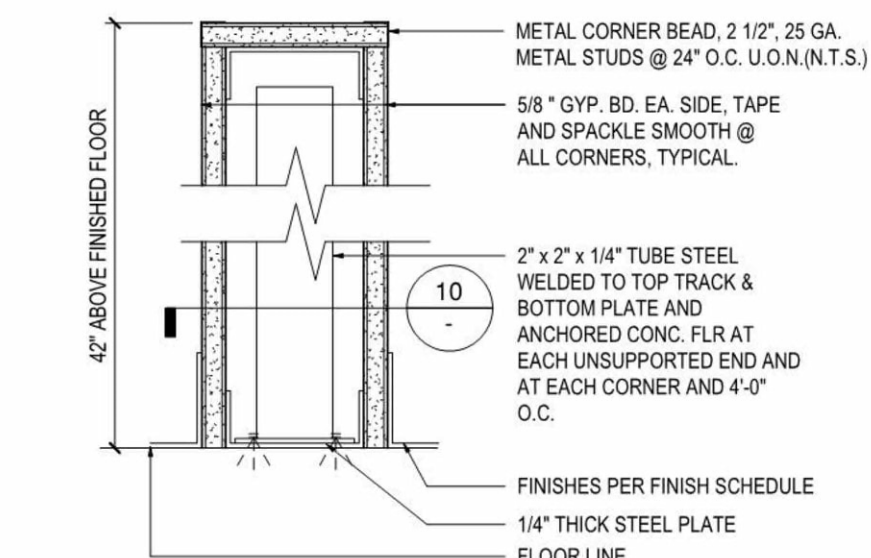
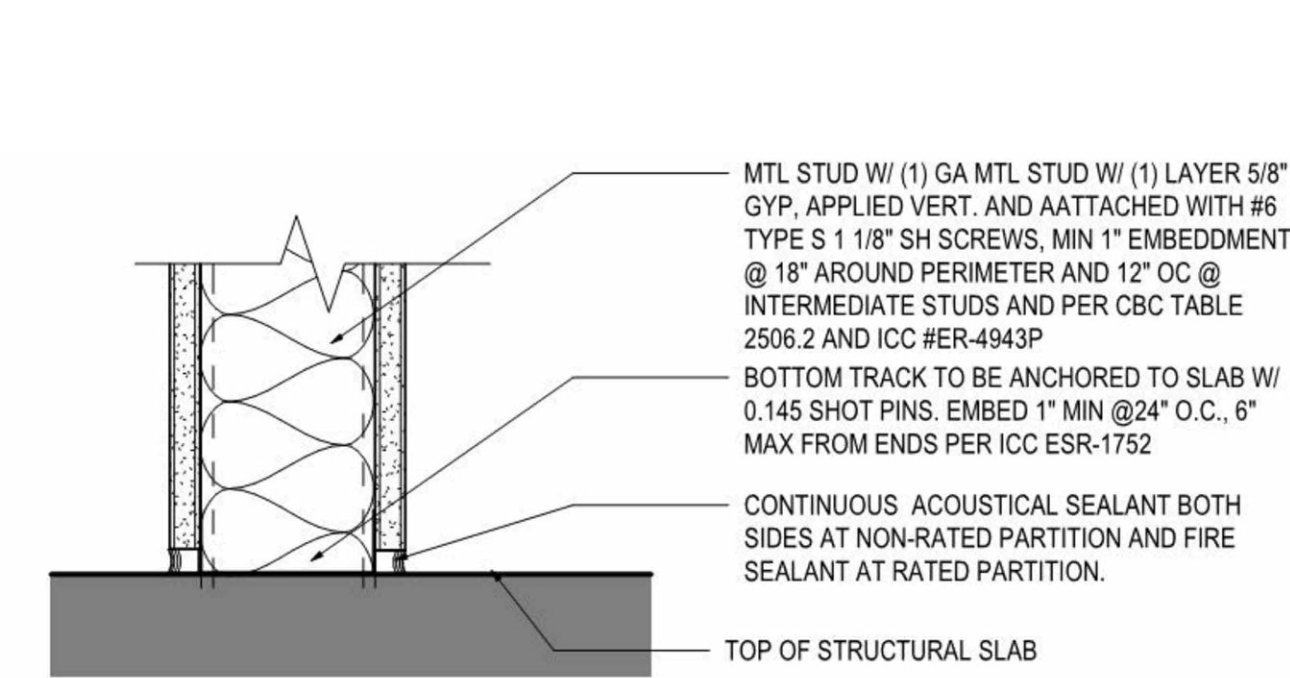
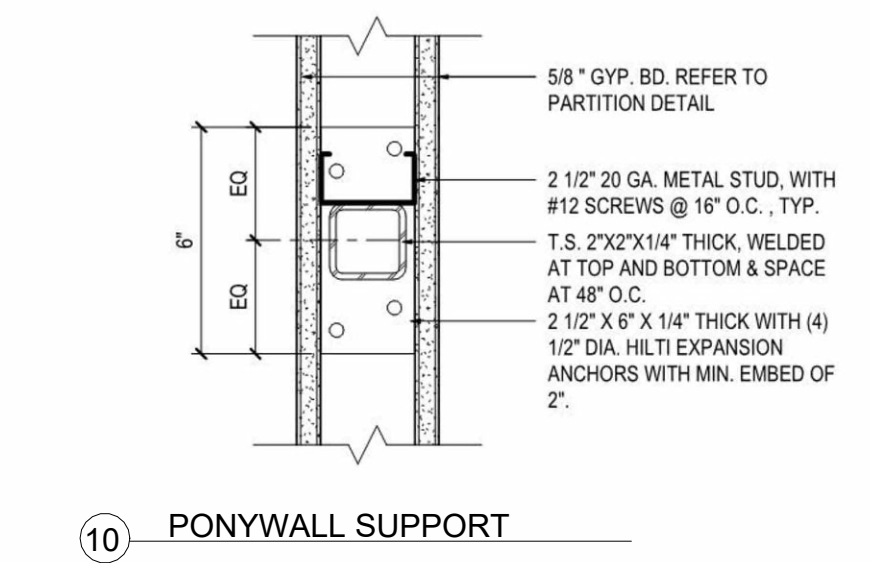
IF A SOFFIT OR SUSPENDED CEILING IS PROPOSED OVER WAITRESS AND BUSSING STATIONS, SALAD BARS, FOOD SERVING OR SELF-SERVICE BEVERAGE AREAS AND OPEN FOOD OR DRINK COUNTERS, OR OTHER SIMILAR STATIONS, THE FINAL FINISH SHALL BE SMOOTH, EASILY CLEANABLE AND NON-ABSORBENT.
- DRYWALL CEILING (HARD LID)**
 -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



14 EXISTING GYPSUM BOARD CEILING AT BATHROOM
N.T.S.

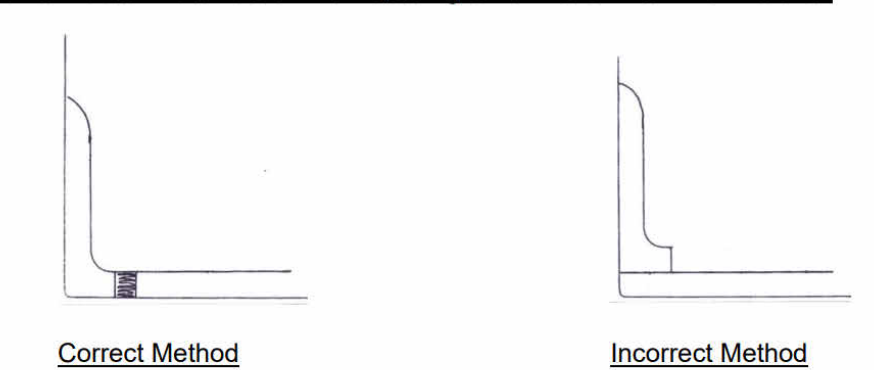
EXIT SIGNS SPECIFICATIONS.

- PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND TO COMPLY WITH THE CFC.
- 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.
- A TACTILE EXIT SIGN WITH THE WORD "EXIT" SHALL IDENTIFY EACH GRADE LEVEL EXTERIOR EXIT DOORS PER CB.
- TACTILE EXIT SIGNS REQUIRED BY THE CB NEED NOT BE PROVIDED WITH ILLUMINATION.
- TACTILE EXIT SIGNS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 - 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".
 - 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:
 - "EXIT STAIR DOWN"
 - "EXIT RAMP DOWN"
 - "EXIT STAIR UP"
 - "EXIT RAMP UP"
 - 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 SIGN WITH THE WORDS, "EXIT ROUTE"
 - 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"
 - 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, "TO EXIT".
 - 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.

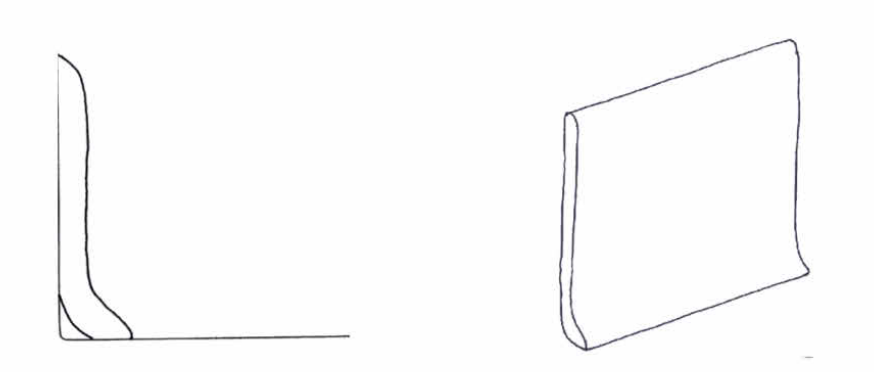


9 BACKING PLATE DETAIL
SCALE : 3" = 1'-0"

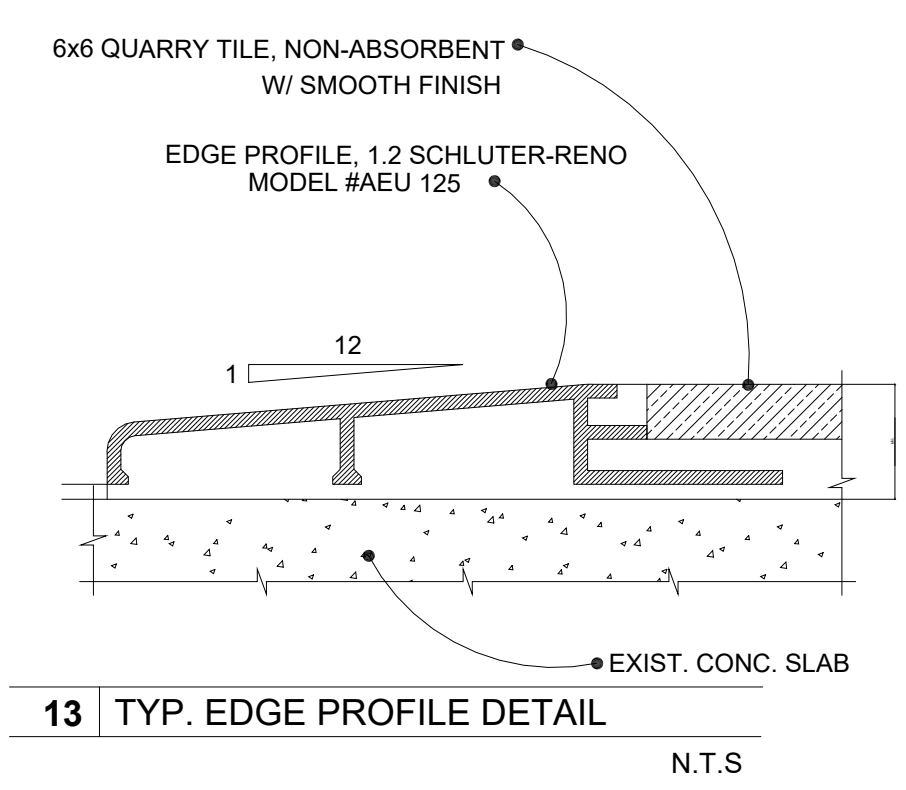
Cove Base Installation for Quarry and Ceramic Tile Floors:



Sanitary Tile Cove Topset Base - slim foot for concrete floors:






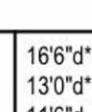
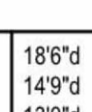
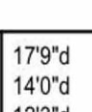
COVERED BASE INSTALLATION DETAIL
SCALE : 3" = 1'-0"



USG - SA923 "DRYWALL/STEEL FRAMED SYSTEM"

TYPICAL LIMITING HEIGHTS - INTERIOR STUD FRAMING

TABLE 8

Stud design.	Stud width	Stud spacing	Allow. defl.	Partition, one layer	Partition, two layers	Furring, one layer
<div>25 gauge (.0179 min.)</div> <div></div>						
158ST25	1 5/8"	16"	L/120 L/240 L/360	109" 96" 83"	109" 106" 90"	103" 83" 73"
		24"	L/120 L/240 L/360	89" 83" 73"	89" 89" 80"	89" 73" 63"
212ST25	2 1/2"	16"	L/120 L/240 L/360	139" 126" 109"	139" 136" 119"	139" 110" 99"
		24"	L/120 L/240 L/360	113" 109" 96"	133" 113" 103"	113" 99" 86"
358ST25	3 5/8"	16"	L/120 L/240 L/360	169" 160" 140"	169" 169" 149"	169" 146" 129"
		24"	L/120 L/240 L/360	136" 136" 123"	136" 136" 130"	136" 129" 110"
<div>20 gauge (.0329 min.)</div> <div></div>						
212ST20	2 1/2"	16"	L/120 L/240 L/360	179" 140" 123"	186" 149" 130"	166" 130" 116"
		24"	L/120 L/240 L/360	156" 123" 109"	163" 130" 113"	146" 116" 100"
358ST20	3 5/8"	16"	L/120 L/240 L/360	230" 183" 160"	240" 190" 166"	219" 173" 150"
		24"	L/120 L/240 L/360	200" 160" 140"	209" 166" 146"	190" 150" 133"

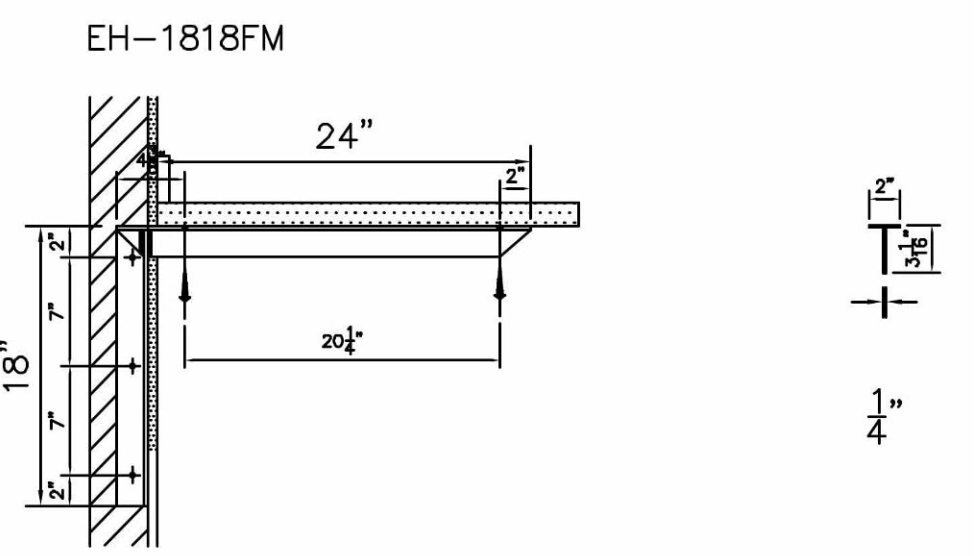
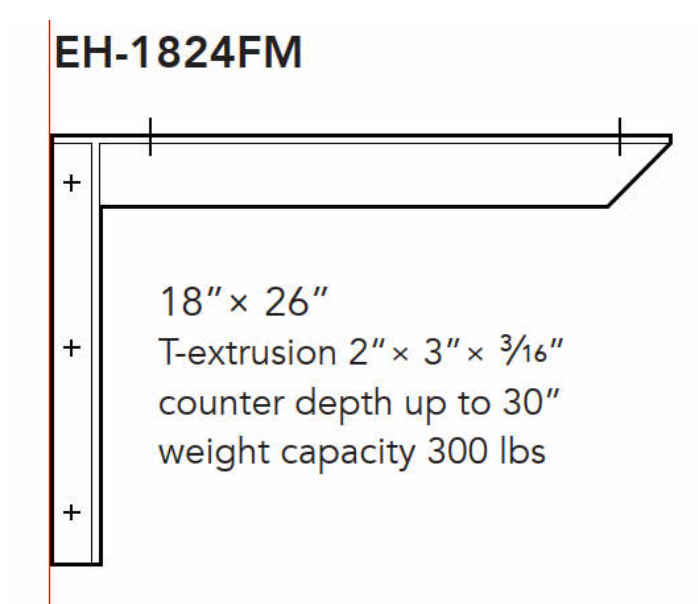
USG FOOTNOTE:

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 4-DEFLECTION, 1-BENDING STRESS, 1-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 MANUFACTURERS. CONSULT STUD MANUFACTURE'S PHYSICAL AND STRUCTURAL PROPERTIES, STUD THICKNESSES AND LIMITING HEIGHT TABLES TO DETERMINE FINAL STUD SELECTION.

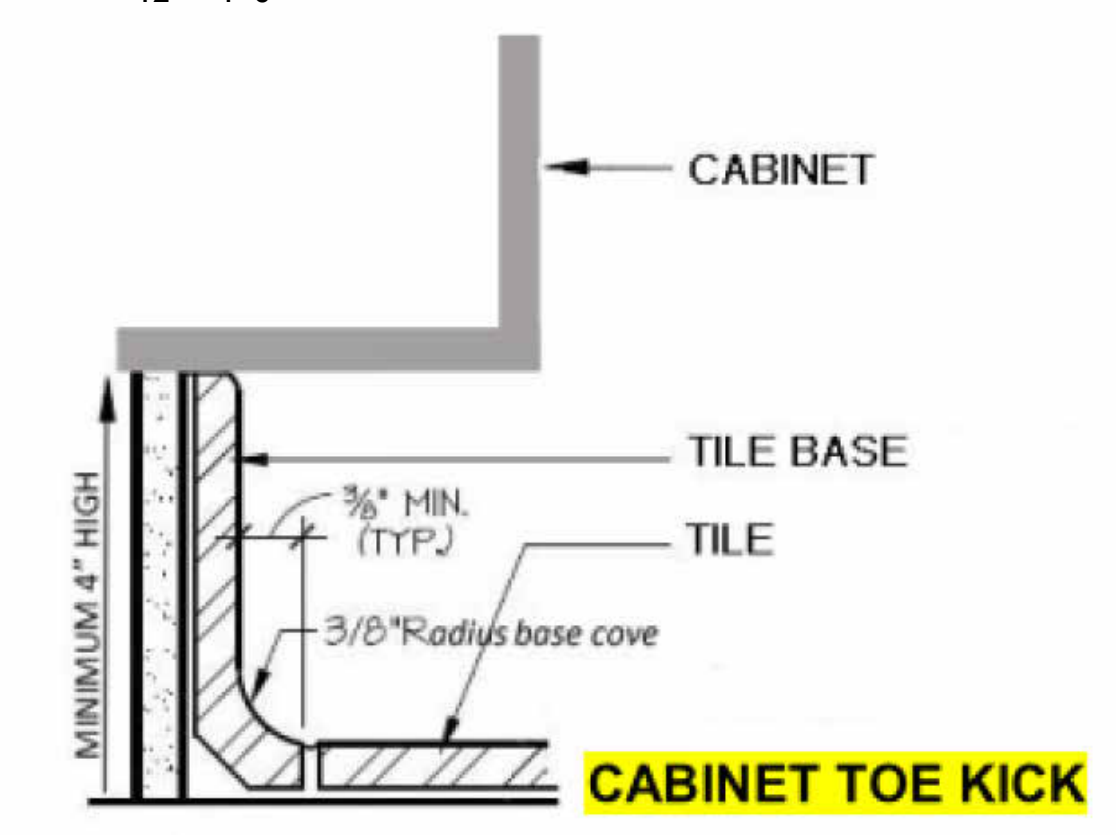
NOTE: GENERAL CONTRACTOR TO PROVIDE ALTERNATE OR EQUAL PRODUCT MATERIAL SPECIFICATION IF USG SA923 "DRYWALL/STEEL FRAMED SYSTEM" IS NOT UTILIZED FOR THIS PROJECT.

11 STUD FRAMING CHART

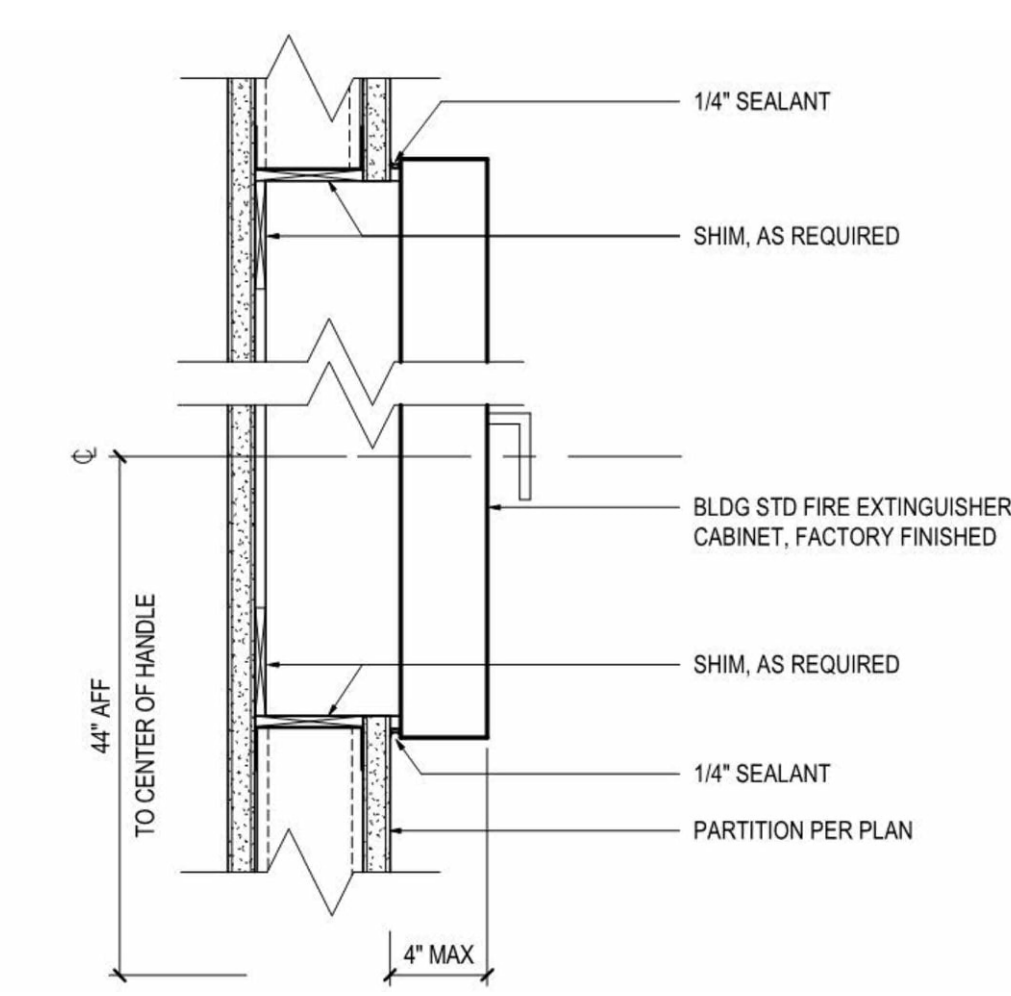


EH-1824FM
INSTALL ALUMINUM FLUSH COUNTERTOP BRACKETS UP TO 30" DEEP COUNTERTOPS. USE MODEL# EH-1824FM BY "RAKKS".
RAKKS TO BE INSTALLED FLUSH WITH THE DRYWALL AND TO BE SCREWED AS SHOWN IN THE DETAILS TO THE METAL STUDS.

2 COUNTERTOP SUPPORT
12" = 1'-0"



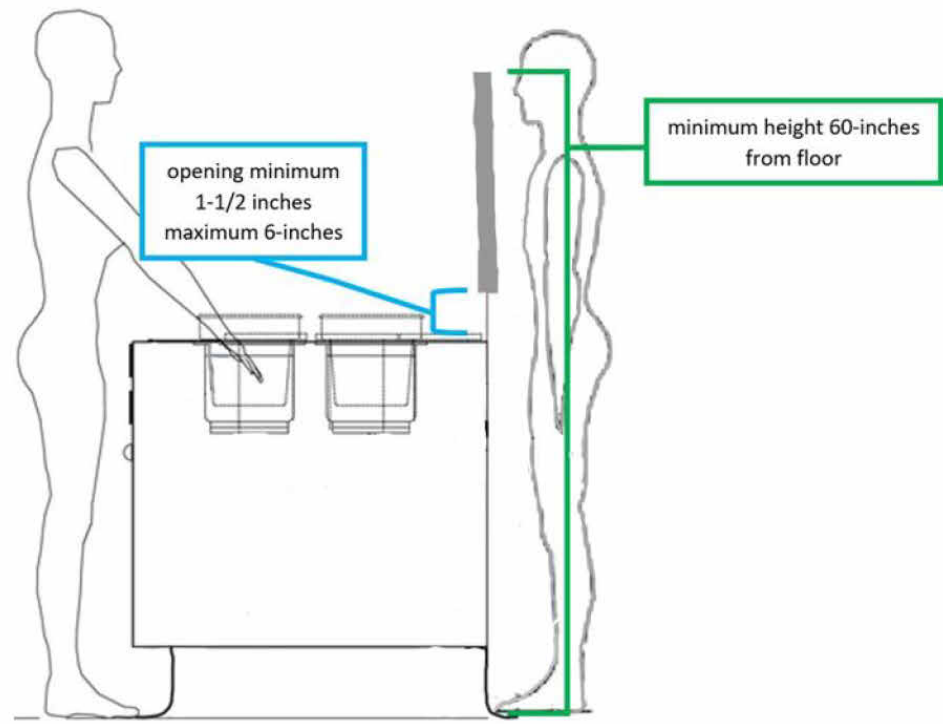
3 CABINET TOE KICK DETAIL
12" = 1'-0"



7 FIRE EXTINGUISHER CABINET
SCALE : 3" = 1'-0"

GENERAL REQUIREMENTS

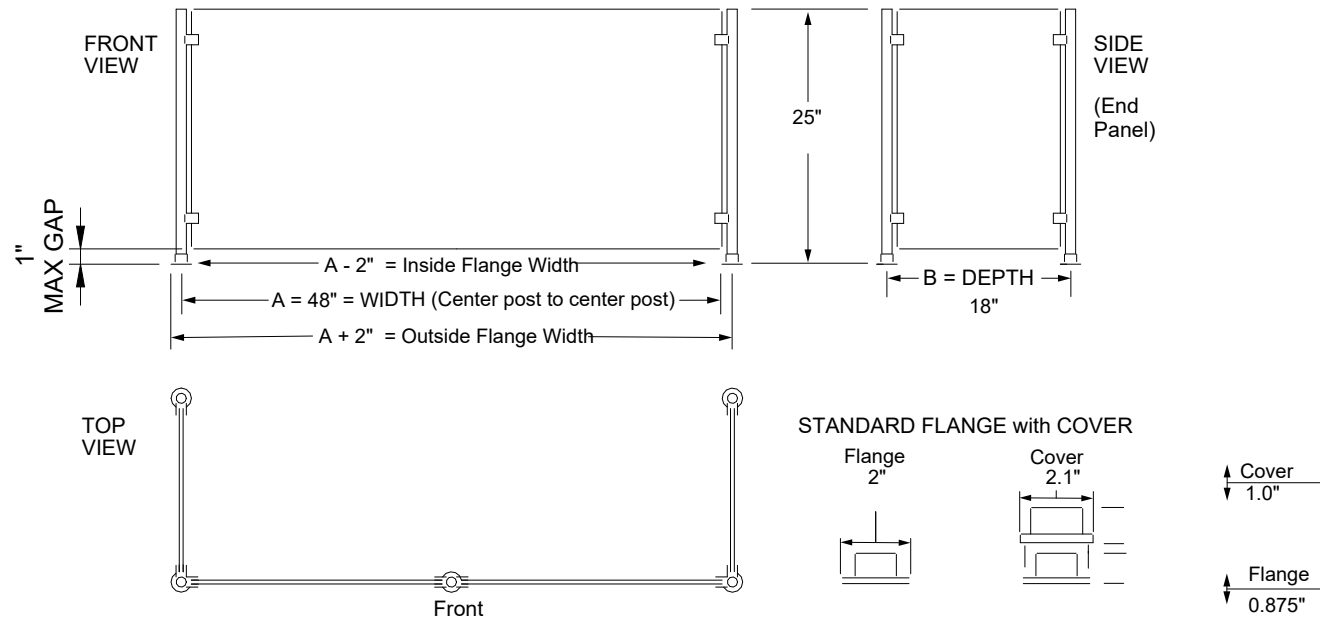
- 1- CONSTRUCTION OF SNEEZE GUARDS SHALL BE BASED ON NSF/ANSI STANDARDS.
- 2- SNEEZE GUARDS MUST BE CONSTRUCTED OF EASILY CLEANABLE, NON-TOXIC MATERIALS THAT WITHSTAND NORMAL WEAR.
- 3- FOOD SHIELD GUARD MUST CONFORM TO NSF/ANSI 51 AND EDGES MUST BE PROTECTED AGAINST CHIPPING.
- 4- GUARDS SHALL BE MOUNTED 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 1/2 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.



1 SNEEZE GUARD DETAIL
12" = 1'-0"

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 0.19" RADIUS CORNERS AND FLAT POLISHED EDGES, GLASS FACE PANEL, TWO 18" DEEP GLASS END PANELS.



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

PROJECT NAME	LOCATION	OWNER
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 SEQUENCE	REVISION DESCRIPTION	REVISION 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

SHEET NUMBER
A-007

HVAC SPECIFICATIONS

1. A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED TO THE OWNER PER STANDARDS.
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.

3. 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
- 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
- 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, LONGITUDINAL JOINTS, TAPED OR SEALED WITH MASTIC.

5. INSPECTION

INSPECTION TO BE MADE AND DUCTWORK APPROVED BEFORE COVERING WITH INSULATION.

6. PIPE INSULATION

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

PIPE INSULATION THICKNESS								
FLUID TEMP. RANGE (°F)	CONDUCTIVITY RANGE (BTU·IN/HR PER SQFT·°F)	INSULATION MEAN RATING TEMP. (°F)	NOMINAL PIPE DIAMETER (")					INSULATION THICKNESS REQUIRED (")
			<1	1 TO <1.5	1.5 TO <4	4 TO <8	8 AND LARGER	
SPACE HEATING, HOT WATER SYSTEMS AND SERVICE WATER HEATING 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 COOLING SYSTEMS (CHILLED WATER, REFRIGERANT AND BRINE)								
40-60	0.21-0.27	75	NONRESRES 0.5	NONRESRES 0.75	NONRESRES 0.75	1.0	1.0	
<40	0.20-0.26	50	1.0	1.5	1.5	1.5	1.5	

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.

7. TEMPERATURE CONTROLS

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.

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 DEGREES F.

SCOPE OF WORK

EXISTING COMMERCIAL TENANT IMPROVEMENT.
REMOVE EXISTING EXHAUST HOOD TYPE I AND PROVIDE & INSTALL NEW EXHAUST HOOD TYPE I & MAKE UP AIR UNIT
ELL EXISTING MECHANICAL SYSTEM TO REMAIN AS IS AND VERIFIED IN FIELD

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

SYMBOLS AND ABBREVIATIONS

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		SIDE WALL RETURN GRILLE
		ROOM THERMOSTAT
		ROOM SENSOR
CFM		CUBIC FEET PER MINUTE
EA		EXHAUST AIR
EF		ROOF MOUNTED EXHAUST FAN
ESP		EXTERNAL STATIC PRESSURE
EXIST		EXISTING
FD		FIRE DAMPER
FLA		FULL LOAD AMPERES
HZ		HERTZ
HP		HORSEPOWER
MVD		MANUAL VOLUME DAMPER
NEW		NEW
OSA		OUTSIDE SUPPLY AIR
RLA		RATED LOAD AMPERES
RA		RETURN AIR
SA		SUPPLY AIR
		SMOKE DETECTOR
SP		STATIC PRESSURE
TYP		TYPICAL
U/C		UNDERCUT DOOR
U.T.R.		UP THRU ROOF
V		VOLT
VTR		VENT THRU ROOF
		CO2 SENSOR
		MECHANICAL EQUIPMENT TAG
		POC
		NEW DUCT
		EXISTING DUCT
CD		CONDENSATE DRAIN

NOTE:
REFER TO PLAN SHEETS FOR ANY ADDITIONAL LEGEND, SYMBOLS AND RELATED ABBREVIATIONS.

DUCT GAUGE SELECTIONS

FOR GALVANIZED STEEL (SMACNA TABLE 1-4/E)		
MAXIMUM 1" W.G. STATIC POSITIVE AND NEGATIVE		
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.
- 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.
- THE OWNER SHALL PAY FOR ALL PERMITS AND FEES.
- CONTROL LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR AND CONDUIT BY ELECTRICAL CONTRACTOR.
- CONDENSATE DRAIN PIPING AND FINAL CONNECTION TO UNIT BY PLUMBING CONTRACTOR.
- G.C. TO VERIFY CURRENT ELECTRICAL POWER CONDITION IN FIELD BEFORE PURCHASING ANY MECHANICAL EQUIPMENT.
- CONTRACTOR TO VERIFY MECHANICAL HEATING EQUIPMENT TO BE CONFORM TO LOCAL EPA STANDARD BEFORE PURCHASING EQUIPMENT.
- ACCURATE AS-BUILT DRAWINGS SHALL BE MADE DURING CONSTRUCTION AND SUBMITTED FOR APPROVAL UPON COMPLETION OF INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR SIZE AND LOCATION OF DUCTWORK ROOF OPENINGS AND WITH ELECTRICAL CONTRACTOR FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT AND ARCHITECTURAL DRAWINGS FOR AIR DISTRIBUTION LOCATION.
- THE CONTRACTOR SHALL SUBMIT BID BASED ON THE DRAWINGS AND ALTERNATE FOR COST SAVING. THESE DRAWINGS ARE FOR BIDDING PURPOSES.
- 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.
- 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.
- 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.
- ANY MATERIAL, ARTICLE OR PIECE OF EQUIPMENT OTHER THAN THAT 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.
- 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.
- COORDINATE ENTIRE INSTALLATION OF THE H.V.A.C. SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- CONTRACTOR SHALL SUBMIT A COMPLETE BALANCE REPORT FOR APPROVAL. SYSTEMS AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AIR BALANCE CONSULTANT. A CERTIFIED AABC OR NEBB. THE REPORT SHALL INCLUDE THE FOLLOWING:
a. AIR QUANTITIES AT EACH REGISTER.
b. STATIC PRESSURE READINGS AT INLET AND DISCHARGE OF EACH AIR HANDLING SYSTEM AND AT INLET OF EACH EXHAUST AIR SYSTEM.
c. COOLING AND HEATING SUPPLY AND RETURN AIR TEMPERATURES AT EACH AIR CONDITIONING UNIT.
- WARRANTIES: 1-YEAR WARRANTY FOR EQUIPMENT, 5-YEAR COMPRESSORS. REFER TO CONSTRUCTION CONTRACT FOR OTHER APPLICABLE WARRANTIES.
- EQUIPMENT SPECIFICATION AND INTERLOCK DIAGRAM SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE OF EQUIPMENT FOR INSTALLATION.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- ALL HVAC AND FAN UNITS SHOWN ON THE PLAN IS RECOMMENDED. FINAL MAKE AND MODEL OF THE UNITS WILL BE DETERMINED BY THE OWNER/MECHANICAL CONTRACTOR WITH AN APPROVAL FROM THE MECHANICAL ENGINEER.
- THE HVAC SYSTEM AND COMPONENTS SHALL BE TESTED, ADJUSTED AND BALANCED IN ACCORDANCE WITH AABC'S NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE (6TH EDITION).
- PROVIDE FILTER FOR AIR CONDITIONING AND/OR AIR SIDE UNITS AS REQUIRED PER ASHRAE AND MECHANICAL CODE.
- THERMOSTAT SHALL BE 24 VOLT, ONE STAGE HEATING AND ONE OR TWO STAGE COOLING WITH MATCHING SUBBASE AND TAMPER PROOF COVER.
- CONDENSATE PIPING SHALL BE SIZED IN ACCORDANCE WITH MECHANICAL CODE.
- 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.
- WHERE CONDENSATE WASTE FROM AIR CONDITIONING COILS DISCHARGES 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 THE AIR-CONDITIONED SPACE.
- 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.
- THE HEATING AND COOLING DUCT SYSTEM IS SIZED IN ACCORDANCE WITH ASHRAE.
- G.C. TO VERIFY SUFFICIENCY OF DUCT SPACE BEFORE PURCHASING ANY MECHANICAL EQUIPMENT.
- DUCTWORK SHALL BE INSULATED OR LINED AS NOTED ON DRAWINGS. ALL DUCTWORK EXPOSED ON ROOF SHALL BE INTERNALLY LINED UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES ARE SHEET METAL SIZES. ALL DUCT JOINTS SHALL BE SEALED PER SPECIFICATIONS.
- CONNECT MAIN DUCT TO AIR CONDITIONING UNIT WITH WEATHERPROOF

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 HAS BEEN INSTALLED.

33. ALL DUCTWORK SIZE SHOWN ON PLAN ARE INTERIOR DIAMETER. CONTRACTOR SHALL ADD INSULATION THICKNESS INTO CONSIDERATION BEFORE INSTALLATION.

34. DUCTS SHALL BE SUPPORTED WITH 1" WIDE 16-GAUGE HANGER STRAPS AND SHALL BE SECURED AT NO MORE THAN 7'-0" ON CENTERS AND SHALL BE SECURED TO STRUCTURAL MEMBER. EXPOSED DUCTWORK ON ROOF SHALL BE SUPPORTED BY GALVANIZED STEEL ANGLE & SHALL BE PER LOCAL CODE.

36. 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 CEILING SPACE WITHOUT ADDITIONAL FEE CHARGE.

37. ALL FACTORY-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181 FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS, CONNECTIONS, AND SPLICES, AND BE LABELED AS COMPLYING WITH UL 181.

38. INSTALL VOLUME CONTROL DAMPERS AT EACH SUPPLY DIFFUSER TO AFFORD COMPLETE CONTROL OF THE AIR FLOW IN THE VARIOUS DUCT SYSTEMS. INSTALL SPLITTER DAMPER AT DUCT TAKEOFFS AND DAMPER AS REQUIRED.

39. AUTOMATIC FIRE DAMPER REQUIREMENTS ARE AS FOLLOWS:
a. PROVIDE AUTOMATIC FIRE DAMPERS AT ALL PENETRATIONS OF FIRE-RATED CEILINGS AND WALLS THROUGHOUT. CONTRACTOR SHALL COORDINATE WITH FIRE-RATED CEILING AREAS AND WALLS AS INDICATED ON ARCHITECTURAL DRAWINGS. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY OMISSIONS ON THE DRAWINGS. SEE SPECIFICATIONS.
b. LOCATION OF FIRE-RATED CEILINGS AND WALLS ARE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

40. COORDINATE THE LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS.

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

42. PROVIDE BACK-DRAFT DAMPER FOR ALL EXHAUST AIR DUCT UNLESS OTHERWISE NOTED PER CODE.

43. EXHAUST TERMINATION SHALL BE MINIMUM 10'-0" AWAY OR 3'-0" ABOVE FROM ANY FRESH AIR INTAKE, OPERABLE WINDOWS, DOORS AND 10'-0" MINIMUM ABOVE GRADE.

44. PROVIDE ALL FRESH AIR INTAKES AND EXHAUST OUTLETS WITH HOOD, 1/2" GALVANIZED MESH SCREENS AND OUTSIDE AIR BACK-DRAFT DAMPERS.

45. ALL HVAC UNITS OR SYSTEMS SERVING A COMMON AIR SPACE MUST BE INTERCONNECTED TO SHUT DOWN IMMEDIATELY UPON ALARM CONDITION FROM DUCT DETECTORS (OR FIRE ALARM SYSTEM WHEN USING AREA SMOKE DETECTORS IN LIEU OF DUCT DETECTORS) WITHOUT INTERFERENCE FROM EMS OR ANY OTHER SYSTEMS. ALL CONTROL RELAYS USED FOR SHUT DOWN MUST BE APPROVED BY STATE OR LOCAL JURISDICTION FOR RELEASING SERVICE.

46. PURCHASING PARTY SHALL ENSURE THE MOTOR SPECS PRIOR TO ORDERING EXHAUST SYSTEM TO ENSURE THE PANEL IS BUILT CORRECTLY.

47. REDWOOD SLEEPER OR PLATFORM FOR ROOF MOUNTED UNIT, DUCT PENETRATION, CUTTING AND PATCHING BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED ON PLAN.

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 ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY. APPLIES TO ADDITIONS OR ALTERATIONS.

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND 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 WHICH MAY ENTER THE SYSTEM.

5.504.5.3 IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MERV OF 13.

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 COR, TITLE 8, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT.

CA TITLE 24 NOTES

ADMINISTRATIVE REQUIREMENTS:

- 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 MANUFACTURED DEVICES REQUIRED TO VERIFY COMPLIANCE WITH THE APPLIANCE EFFICIENCY REGULATIONS AND PART 6.
A.2. INCLUDE A STATEMENT INDICATING THAT THE FEATURES, MATERIALS, COMPONENTS, OR MANUFACTURED DEVICES 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.
A.3. STATE THE NUMBER OF THE BUILDING PERMIT UNDER WHICH THE CONSTRUCTION OR INSTALLATION WAS PERFORMED.
- 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 APPROVAL.
- 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 AREA.

MANDATORY MEASURES:

- ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH LOCAL EFFICIENCY STANDARDS.
- 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.
- 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 SHALL BE WITHIN 10% OF OUTSIDE AIR RATE SHOWN ON TABLE 120.1-A.
- 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.
- 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.
- 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.
- 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 SENSORS) 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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T.I PROPOSED BUSINESS OWNERS



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AMERICAN CONSTRUCTION COMPANY

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

PROJECT NAME LOCATION OWNER

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 SEQUENCE	REVISION DESCRIPTION	REVISION DATE
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ENGINEER OF RECORD

REVIEWED BY SEAL / STAMP

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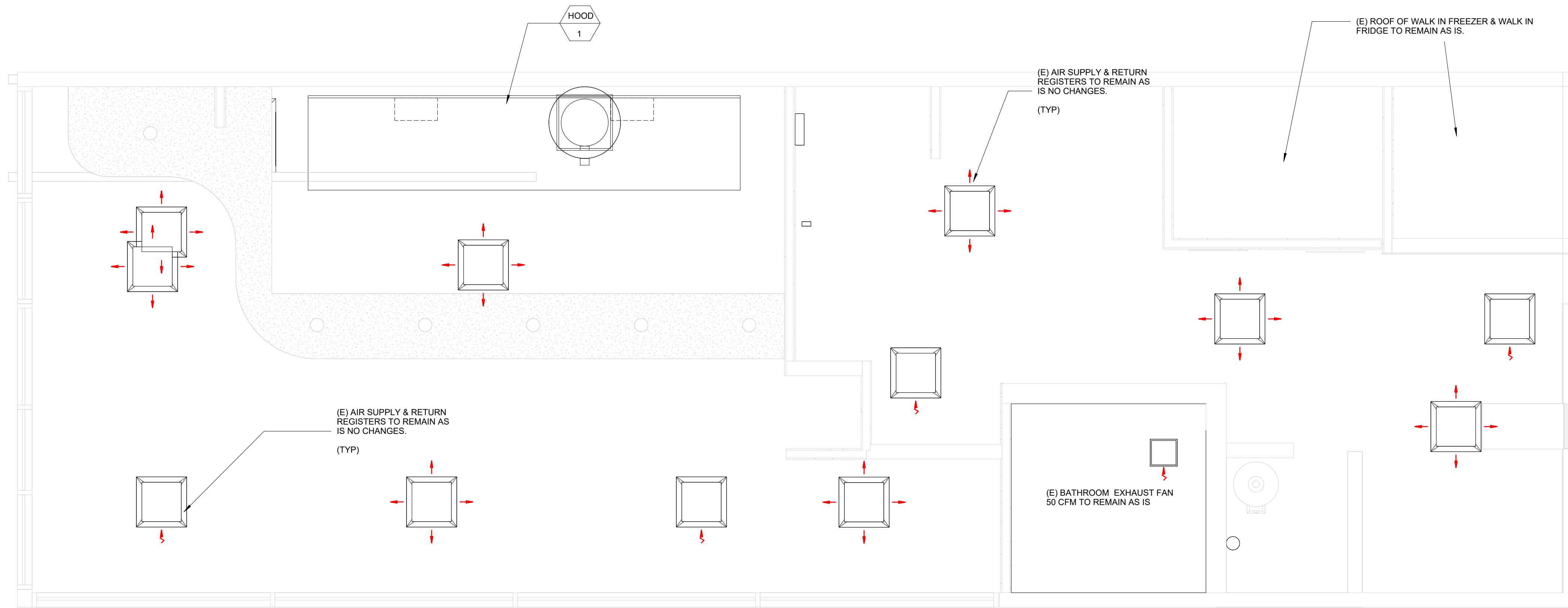


SHEET NAME

MECHANICAL NOTES

SHEET NUMBER

M-01



IMPORTANT NOTE TO CONTRACTOR

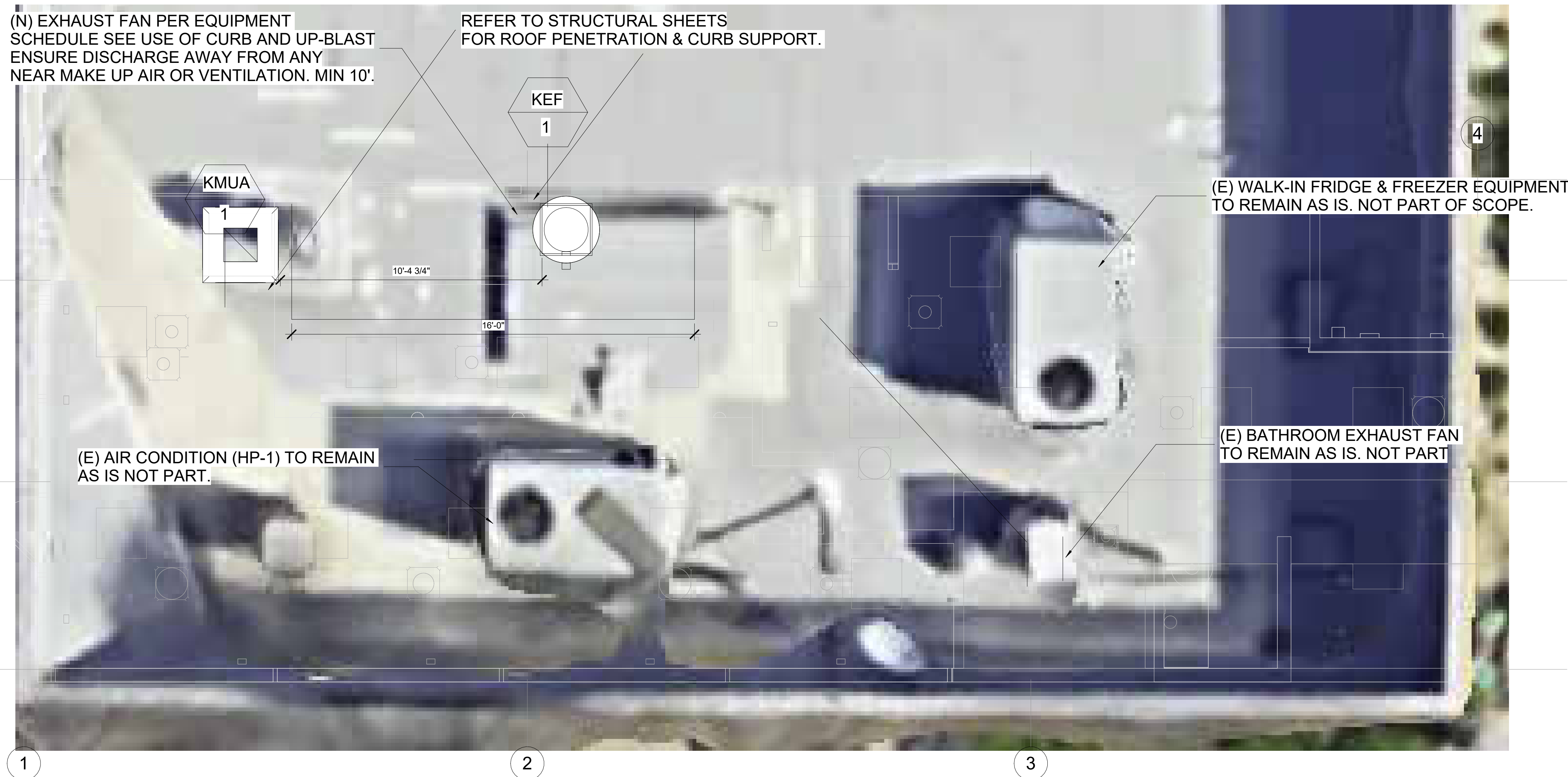
ALL HVAC COMPONENTS SHOWN ON THIS PLAN INCLUDING AIR REGISTERS & DUCT ARE EXISTING AND TO REMAIN AS IS. NO CHANGES (V.I.F)

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 AND 1/4-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 MTD HVAC SUPPLY DIFFUSER TO REMAIN (V.I.F)
- EXIST'G 24"X24" RECESSED CL'G MTD HVAC RETURN DIFFUSER TO REMAIN (V.I.F)

1 MECHANICAL FLOOR PLAN
3/8" = 1'-0"



2 (E) MECHANICAL ROOF PLAN
3/8" = 1'-0"



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PROJECT NAME	LOCATION	OWNER
LEVANTY RESTAURANT TENANT IMPROVEMENTS	115 N MCKINLEY ST STE 107. CORONA, CA 92879	ZAHER DAKELIBAB

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

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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

- NOTES:
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


<div><div>EQ</div><div>#</div></div>	MARK	MANUFACTUER	MODEL	NOMINAL TONS	COOLING CAP. (BTUH)	HEATING CAP. (BTUH)	ELECTRICAL			EER / SEER	OUTDOOR FAN CFM	HSPF	OSA VENTILATION CFM
							V/PH/HZ	MCA	MOCp				
	HP -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	THERMOSTATS INSTALLED AT 48°AFF.												
2	EXTEND CONDENSATE DRAIN DIRECTLY TO LAVATORY TAILPIECE OR FLOOR SINK W/AIR GAP.												
3	INSTALL PER MANUFACTURER'S MANUAL.												
4	OUTSIDE AIR CFM TO BE BALANCED TO FOR EXISTING ROOFTOP UNIT. SHOULD MATCH WHAT IS INDICATED ON TITLE-24 COMPLIANCE FORMS.												

Space Ventilation Calculations						
Name	People Ventilation	Area Ventilation		Minimum Outdoor Airflow (CFM)	Specified Supply Airflow	Specified Return Airflow
	Outdoor Air per Person (CFM/Person)	Outdoor Air per Area (CFM/SF)	Area (SF)			

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
CUSTOMER AREA	8	0.18	282	149	928 CFM	928 CFM
430						

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
	BORAN NUTONE	LP50100 DC	60 CFM	12"x14"	BROWNE LO PROFILE 5080/100 SELECTABLE CFM BATHROOM EXHAUST VENT FAN ENERGY STAR®	EXHAUST FAN

Space Loads																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Name	Numb er	Area (SF)	Space Type	Cooling Mode Space Temperat ure Setpoint	Heating Mode Space Temperatu re Setpoint	Construction Type	People Loads								Lighting								Power								Calculated Cooling Load (Btu/h)	Space Latent Coolin g Load (Btu/h)	Space Sensi ble Coolin g Load (Btu/h) ()	Calculat ed Heatin g Load (Btu/h)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Space Supply Airflow				
Name	Area (SF)	Calculated Cooling Load (Btu/h)	Specified Supply Airflow (CFM)	Specified Air Flow Density (CFM/SF)
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
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
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SHEET NAME
EXISTING SYSTEM MECHANICAL CALCULATIONS

SHEET NUMBER
M-03

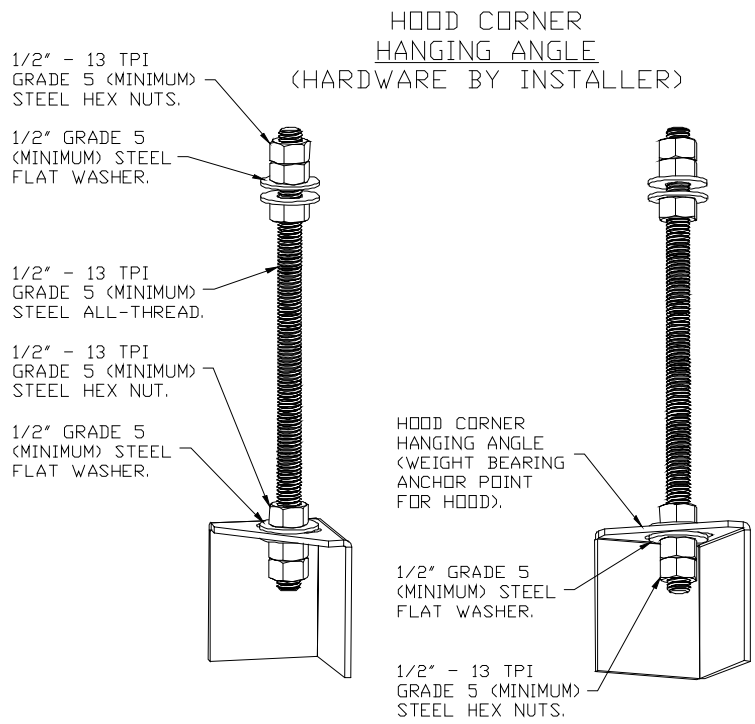
HOOD INFORMATION – JOB#

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
										10"	19"	4"		2000	1650	-0.770"			
1		4824 EX-2	ECON-AIR	16' 0"	600 DEG	I	HEAVY	250	4000	10"	19"	4"		2000	1650	-0.770"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

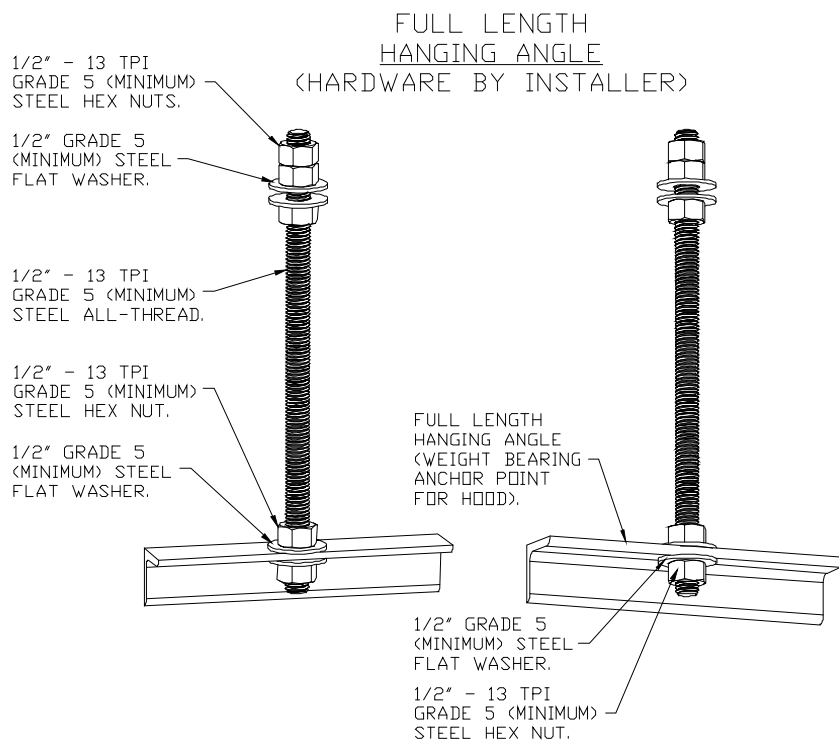
HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)						FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES		
												TYPE	SIZE	MODEL #	QUANTITY		
1		SS BAFFLE WITH HANDLES	12	16"	16"	30%	4	L55 SERIES E26	NO							NO	562 LBS

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



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 HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

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

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

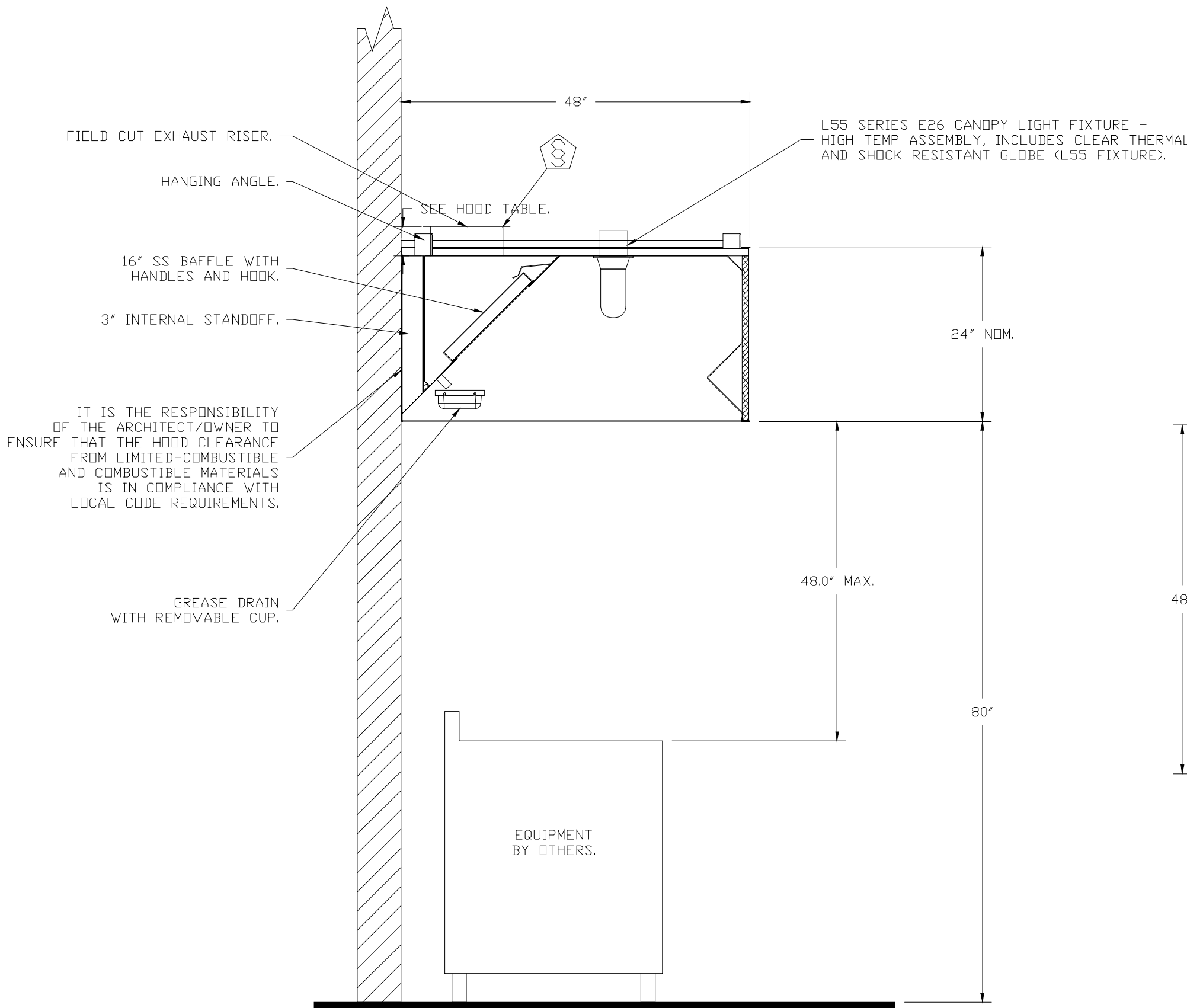
$$\text{Total Duct Area} = 144 \times \frac{\text{CFM}}{\text{FPM (Note 1)}}$$
$$\text{Duct Length} = \frac{\text{Total Duct Area}}{\text{Duct Depth (Note 2)}}$$

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

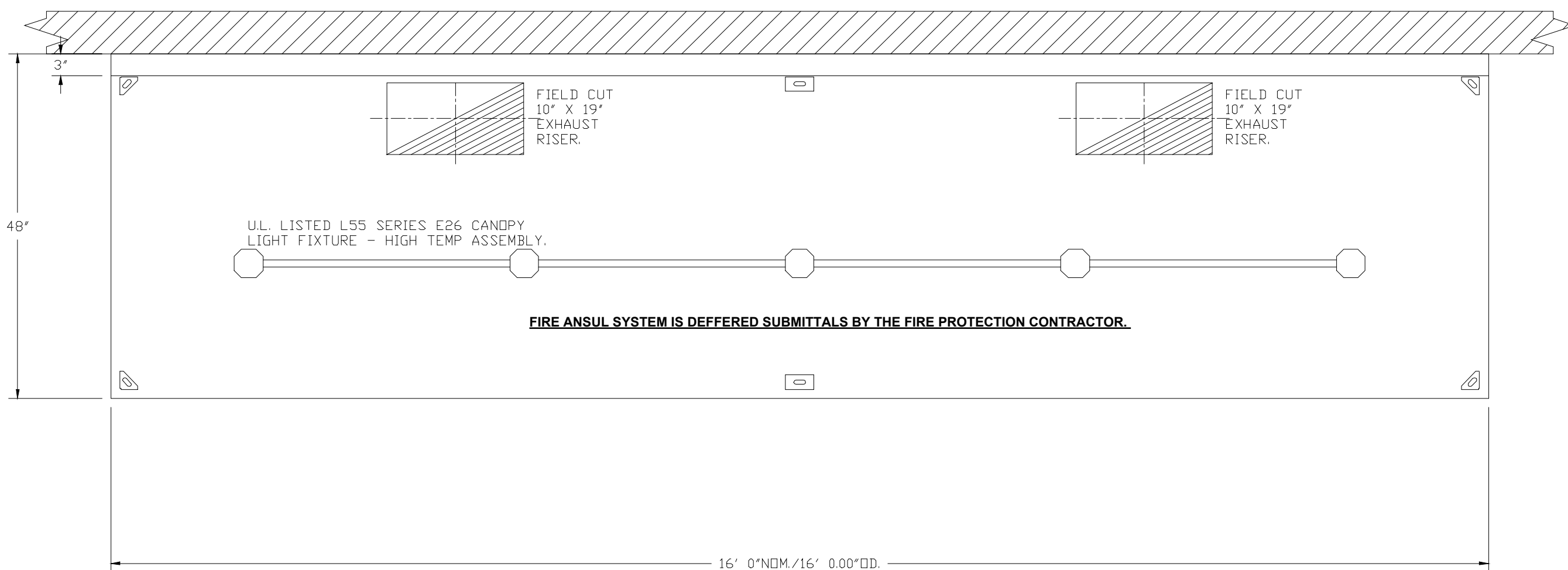
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH



NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001



SECTION VIEW – MODEL 4824EX-2
HOOD – #1



PLAN VIEW – HOOD #1
16' 0.00" LONG 4824EX-2
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12" AND LONGER.

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 EXHAUST 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

REVISIONS

DESCRIPTION	DATE:

TE: _____

W.G.#: _____

AWN BY: _____

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

MASTER DRAWING

SHEET NO. 1

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T.I PROPOSED BUSINESS OWNERS

LEVANTY
TALES OF TASTE

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

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SHEET NAME
TYPE I EXHAUST HOOD

SHEET NUMBER
M-04

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.

MECHANICAL DUCT SCHEDULE – GREASE DUCT SYSTEM						
ITEM NO.	DUCT ELEMENT	QTY	LEGNTH	SIZE	MATERIAL	CFM
D-1	RISER DUCT	2	AS REQ.	10"X19"	16 GUAGE GALV. STEEL	1350
D-2	MAIN DUCT	1	AS REQ.	14"X27"	16 GUAGE GALV. STEEL	2700
		NOTES				
		EACH RISER CONNECTS HOOD TO THE MAIN DUCT. SEAMS FULLY WELDED.				
		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 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:

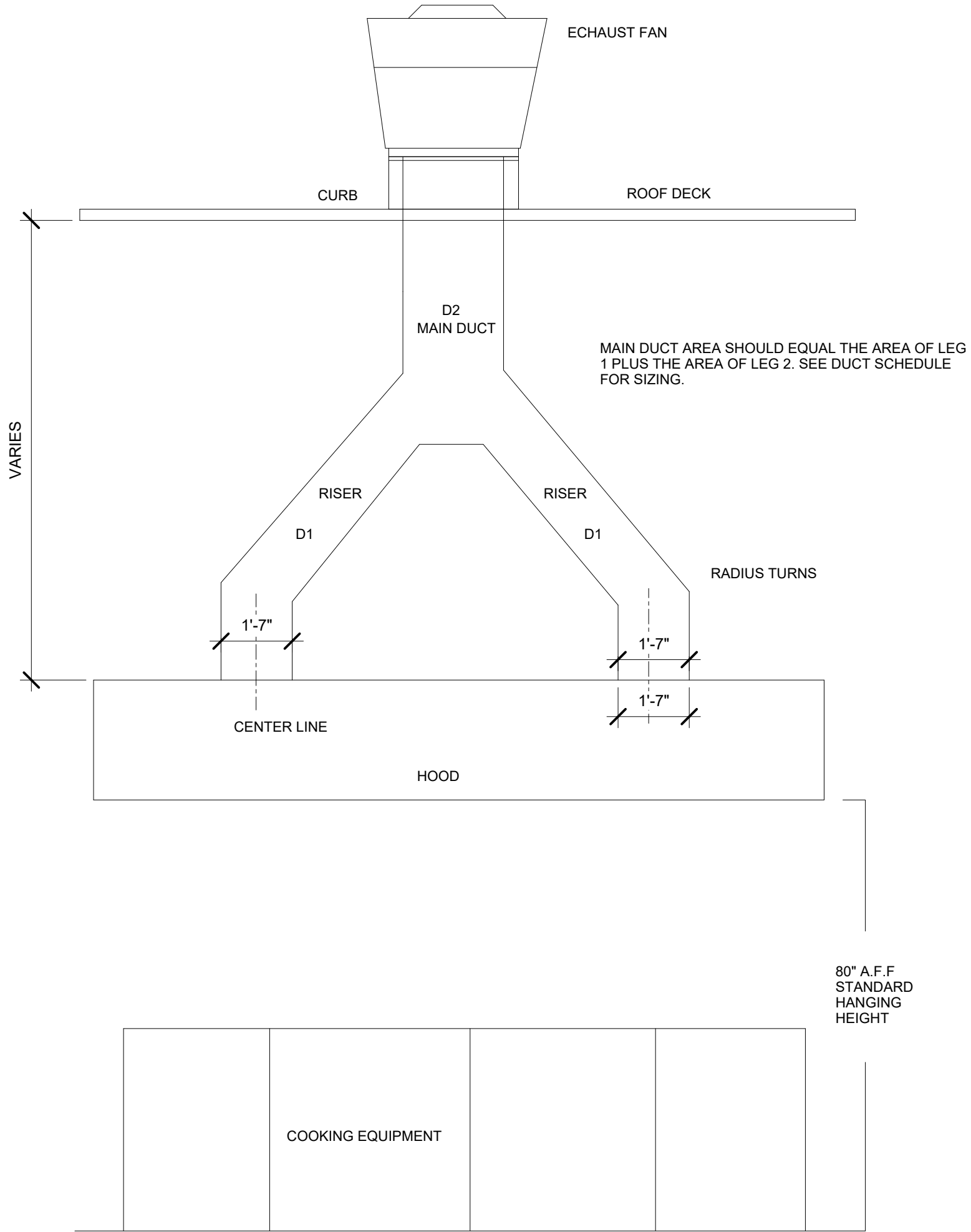
- SUPPORT TYPES:** DUCTWORK SHALL BE SUPPORTED BY HANGERS, RISER CLAMPS, FLOOR STANDS, OR TRAPEZE SYSTEMS AS APPROPRIATE FOR THE SIZE AND WEIGHT OF THE DUCT AND AS INDICATED IN THE DESIGN DOCUMENTS.
- MATERIAL:** ALL DUCT SUPPORTS SHALL BE CONSTRUCTED FROM NON-COMBUSTIBLE AND CORROSION-RESISTANT MATERIALS 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.

COMPLIANCE: 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.



1 HOOD DUCT LAYOUT
3/8" = 1'-0"



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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
LEVANTY RESTAURANT TENANT IMPROVEMENTS	115 N MCKINLEY ST STE 107. CORONA, CA 92879	ZAHER DAKELBAB

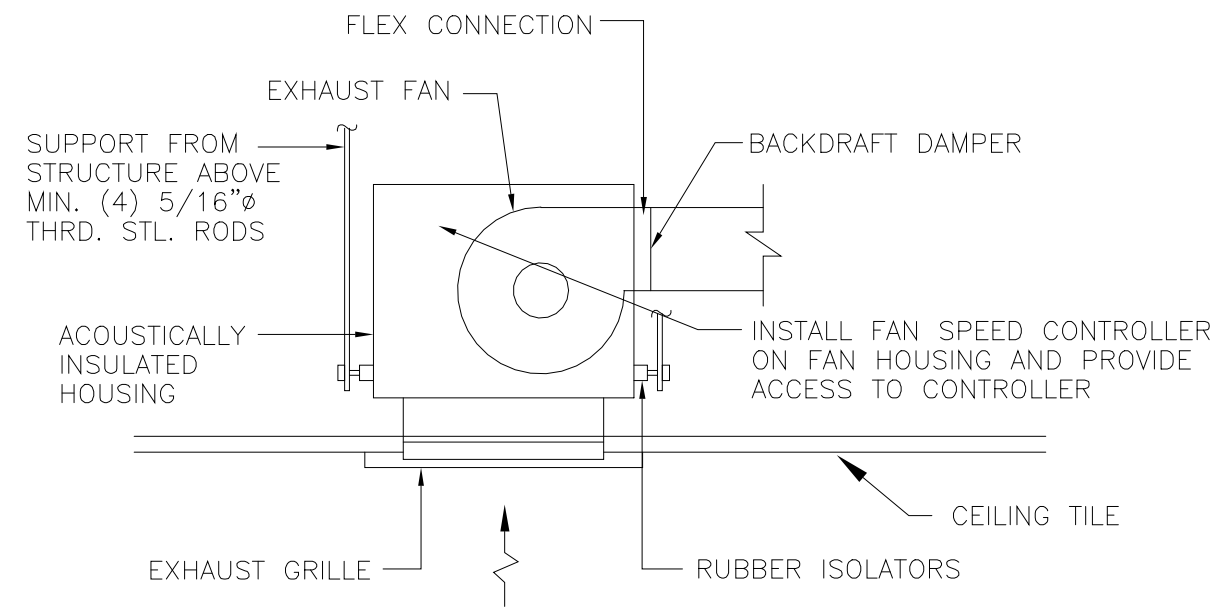
AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT CITY OF CORONA		
REVISION SCHEDULE		
REVISION SEQUENCE	REVISION DESCRIPTION	REVISION DATE
1	Revision 1	04-19-2024

ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP
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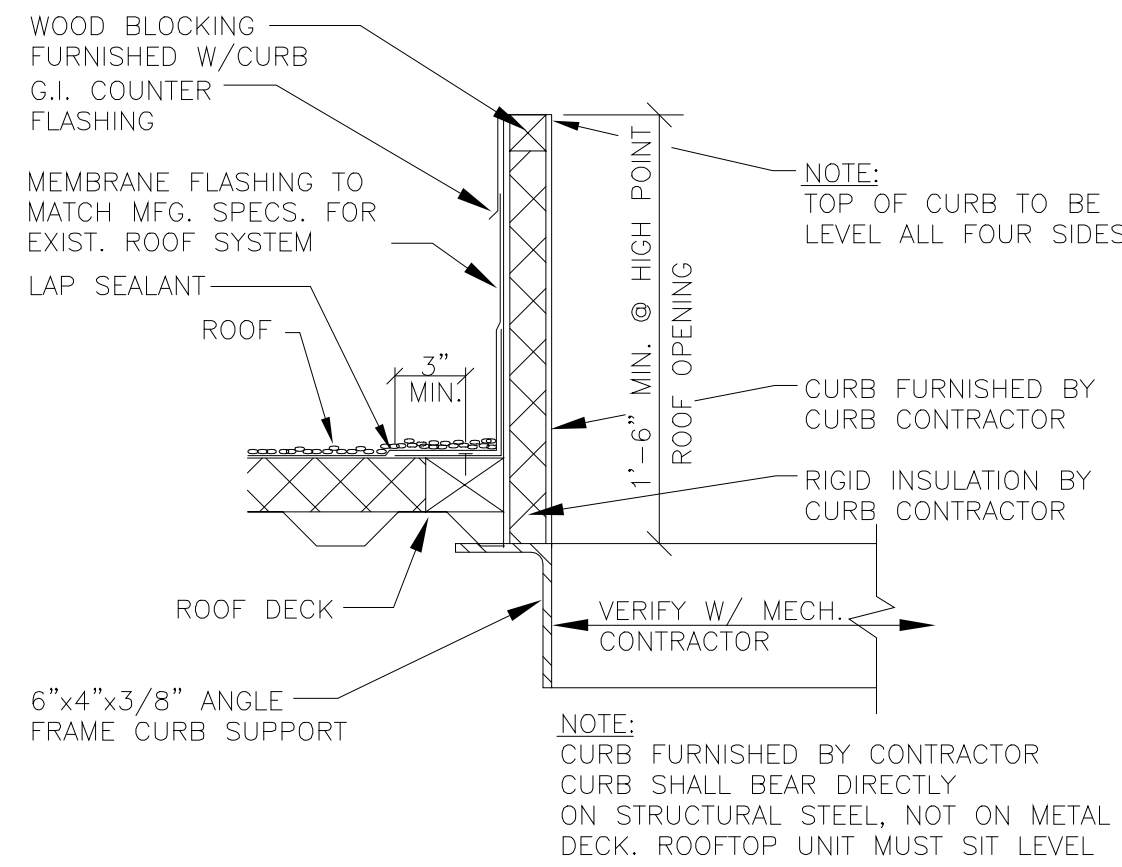


SHEET NAME
EXHAUST HOOD GREASE DUCT

SHEET NUMBER
M-04.1



CEILING MTD. EXHAUST FAN | 1



ROOF CURB SECTION | 3

FAN SCHEDULE													
MARK	TYPE	CFM	E.S.P. (IN. W.C.)	DRIVE	MOTOR DATA			STARTER	SERVES	EQUAL TO		UNIT WT.	NOTES
					HP	VOLTS	PH			MFR	MODEL		
EF-1	ROOF	2700	1.20	DIRECT	2.0	208	3	X-LINE	KITCHEN HOOD	CAPTIVE AIR	DU180HFA	220	1,2,3,5,8,9
EF-2	CEILING	50	0.125	DIRECT	1.3 A	120	1	X-LINE	TOILET		L150	35	2,4,6,7
MAU-1	ROOF	2160	0.50	DIRECT	1.5	208	3	X-LINE	KITCHEN HOOD	CAPTIVE AIR	A1-150	300	1,2,8,9

NOTES:

1. CAPTIVE AIRE SHALL PROVIDE MOTOR STARTER IN CAPTIVE AIRE WALL MOUNTED ELECTRICAL PACKAGE.

2. VERIFY ELECTRICAL VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.

3. VENTED 20" ROOF CURB EXTENSION, GREASE GUARDS, GREASE TERMINATORS, GREASE CUP AND HINGE KIT PROVIDED WITH FAN INSTALLED MECHANICAL CONTRACTOR.

4. PROVIDE WITH BACKDRAFT DAMPER.

5. FAN TO BE RATED FOR UL 762.

6. PROVIDE WITH ROOF VENT CAP.

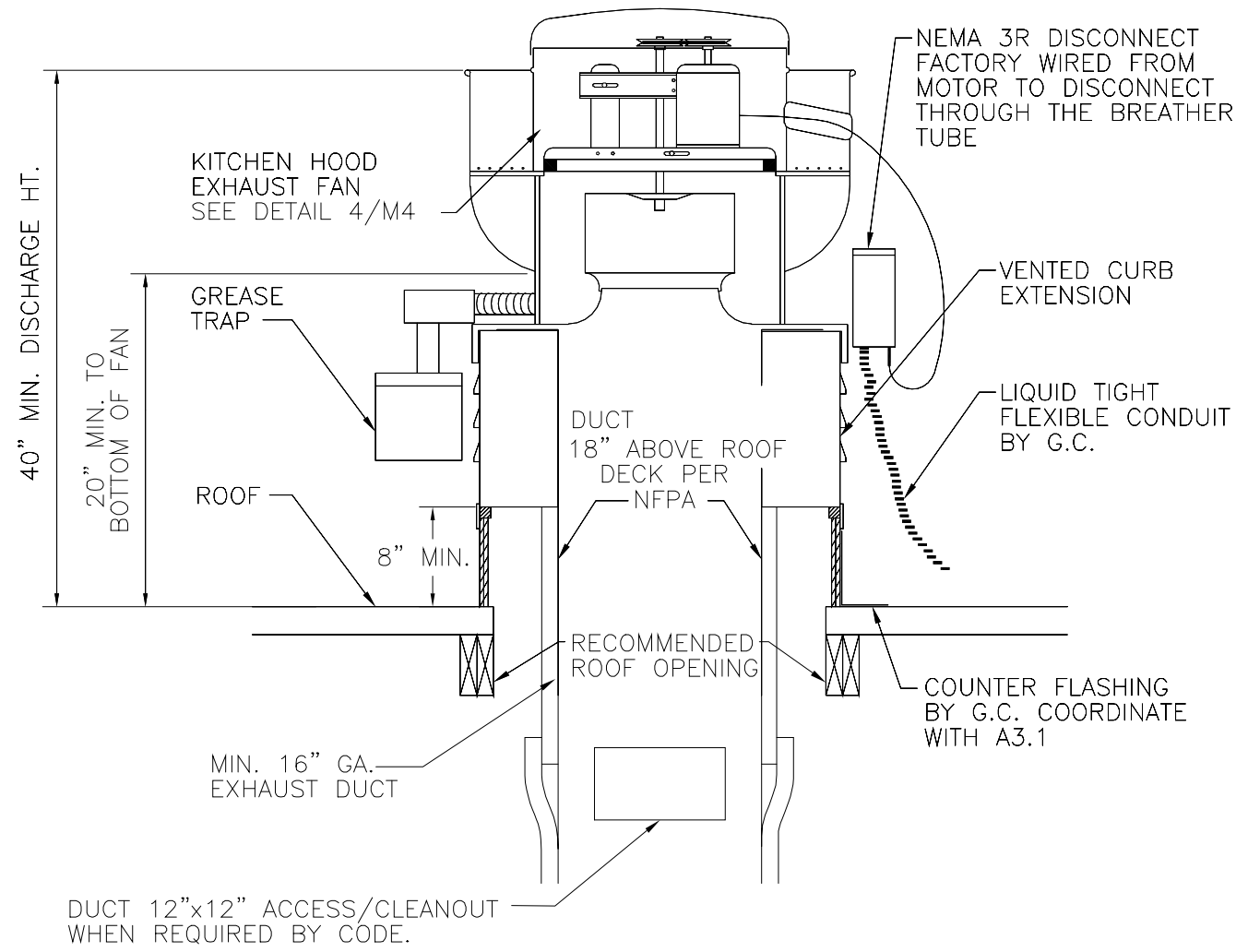
7. "ON/OFF" CONTROL WITH LIGHTS BY ELECTRICAL CONTRACTOR.

8. INTERLOCK OPERATION SUPPLY FANS AND EXHAUST FANS: EF-1 WITH MUA-1, AND RTU-1.

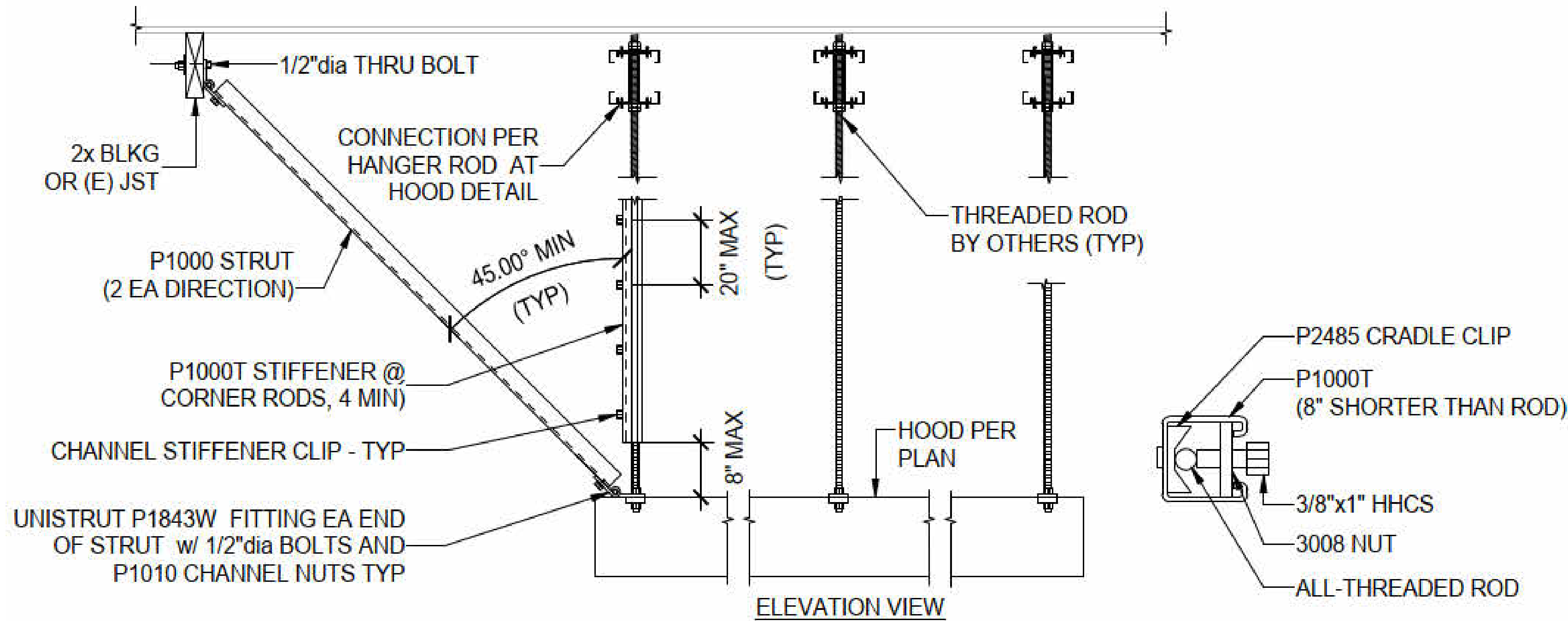
9. MAKE-UP AIR FAN MUA-1 AND EXHAUST FAN EF-1 AND CURBS SHALL BE FUNISHED WITH THE HOOD BY OWNER, INSTALLED BY THE MECHANICAL CONTRACTOR.

SCHEDULE NOTES:

1- MAU-1 to be provided with MERV-13 filter.

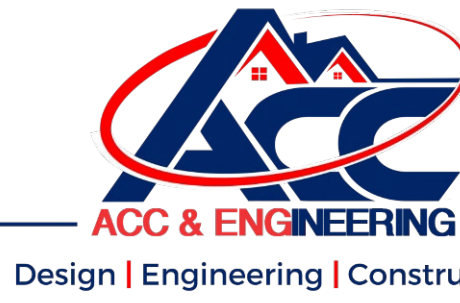


RANGE HOOD EXHAUST FAN DETAIL | 5



TYPICAL HOOD BRACING DETAIL

N.T.S.



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T.I PROPOSED BUSINESS OWNERS



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AMERICAN CONSTRUCTION COMPANY
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LIC#1073807

PROJECT NAME LOCATION OWNER

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

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SHEET NAME
MECHANICAL SCHEDULE & DETAILS

SHEET NUMBER
M-05



Design | Engineering | Construction

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AMERICAN CONSTRUCTION
COMPANY
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LIC#1073807

PROJECT NAME LOCATION OWNER
LEVANTY RESTAURANT TENANT
IMPROVEMENTS
115 N MCKINLEY ST STE 107.
CORONA, CA 92879
ZAHER DAKELBAB

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BUILDING DEPARTMENT | CITY OF CORONA
REVISION SCHEDULE
REVISION SEQUENCE REVISION DESCRIPTION REVISION DATE
1 Revision 1 04-19-2024

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PRACTICE.



SHEET NAME
TITLE 24 - MECHANICAL

SHEET NUMBER
M-08

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION
Process Systems
CERTIFICATE OF COMPLIANCE
Project Name: LEVANTY TOGO RESTAURANT
Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879
Report Page: (Page 3 of 6)
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.

K. ELEVATOR LIGHTING AND VENTILATION
This section does not apply to this project.

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

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
01 Existing kitchen hoods not being replaced as part of an addition or alteration (do not need to meet requirements)
Requirements

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

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

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Ben Hamed
Documentation Author Signature: [Signature]
Signature Date: 03/11/2024
Company: ACC & ENGINEERING
Address: 1130 N KRAEMER BLVD, STE#1
City/State/Zip: ANAHEIM, CA 92806
CEA/ HERS Certification Identification (if applicable):
Phone: 714-844-2140
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building provides to the building owner at occupancy.
Responsible Designer Name: MAGDY REZKI, P.E.
Responsible Designer Signature: [Signature]
Company: ACC & ENGINEERING
Address: 1130 N KRAEMER BLVD, STE#1
City/State/Zip: ANAHEIM, CA 92806
Date Signed: 03/11/2024
License: M-39074
Phone: 714-844-2140



Generated Date/Time: Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION
Process Systems
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Report Page: (Page 2 of 6)
Date Prepared: 2024-03-11T02:35:37-04:00

C. COMPLIANCE RESULTS													
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 to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Refrigerated Warehouse / Space 120.6(a) (See Table F)	Commercial Refrigeration 120.6(b) (See Table G)	Parking Garage Exhaust 120.6(c) (See Table H)	Process Boilers 120.6(d) (See Table I)	Compressed Air Systems 120.6(e) (See Table J)	Elevators 120.6(f) / 160.7 (See Table K)	Escalators & Moving Walkways 120.6(g) (See Table L)	Computer Rooms 140.9(a) (See Table M)	Commercial Kitchens 140.9(b) (See Table N)	Laboratory/ Factory Exhaust 140.9(c) (See Table O)	Controlled Environment Horticulture 120.6(h) (See Table P)	Steam Traps 120.6(i) (See Table Q)	Multifamily Pool/Spa 160.7 (See Table R)	Compliance Results
								Yes					COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

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

F. REFRIGERATED WAREHOUSES/SPACES
This section does not apply to this project.

G. COMMERCIAL REFRIGERATION
This section does not apply to this project.

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Report Version: 2022.0.000 Compliance ID: 183450-0324-0003
Schema Version: rev 20220101 Report Generated: 2024-03-10 23:35:40

STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION
Process Systems
CERTIFICATE OF COMPLIANCE
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Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879
Report Page: (Page 5 of 6)
Date Prepared: 2024-03-11T02:35:37-04:00

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
Form/Title
NRCA-PRC-02-F Kitchen Exhaust
Systems/Spaces To Be Field Verified
SERVICE AREA

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 183450-0324-0003
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Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879
Report Page: (Page 1 of 6)
Date Prepared: 2024-03-11T02:35:37-04:00

A. GENERAL INFORMATION			
01	Project Location (city)	CORONA	04 Total Conditioned Floor Area 920
02	Climate Zone		05 Total Unconditioned Floor Area 0
03	Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade) 1
• Restaurant • Retail			

B. PROJECT SCOPE
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 requirements in 140.9.
My project consists of: (check all that apply):
01 02
☐ Refrigerated Spaces <3,000 ft³ Total (no Title 24, Pt6 requirements)
☐ Refrigerated Spaces >=3,000 ft³ Total (mandatory 120.6(a))
☐ Food /Beverage Stores >8,000 ft² cfa (mandatory 120.6(b))
☐ Enclosed Parking Garage Exhaust >=10,000 cfm (mandatory 120.6(c))
☐ Newly Installed Process Boilers (mandatory 120.6(d))
☐ Compressed Air Systems Combined HP >= 25 (mandatory 120.6(e))
☐ Elevator Lighting & Ventilation Controls (mandatory 120.6(f) / 160.7)
☐ Escalator & Moving Walkway Speed Controls (mandatory 120.6(g))
☐ Computer Rooms (mandatory 120.6(j) and prescriptive 140.9(a))¹
☒ Commercial Kitchen Ventilation/Exhaust (prescriptive 140.9(b))¹
☐ Laboratory Exhaust/Factory Exhaust & Fume Hood (prescriptive 140.9(c))¹
☐ Pool/Spa (mandatory 110.4 / 160.7)
☐ Controlled Environment Horticulture (mandatory 120.6(h))
☐ 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.

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

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

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION
Replacement Air to Hood Compliance Method 140.9(b)1A
02 Providing replacement air directly to the hood(s) that does not exceed 10% of the hood(s) exhaust rate
03 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:
05 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
01 Kitchen Name or Item Tag SERVICE AREA Compliance Method per 140.9(b)1B NA: Existing hoods are being replaced as part of an addition or alteration
02 03 04 05 06 07 08
Name or Item Tag Hood Type¹ Hood Style Hood Length (ft) Equipment Duty Design Hood Exhaust Rate CFM Max Hood Exhaust Rate Allowed 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
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Schema Version: rev 20220101 Report Generated: 2024-03-10 23:35:40

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

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:
-----------	--------	-------	--------------

<input type="checkbox"/> Construction inspection and functional testing comply	Date Submitted to AHJ:
<input type="checkbox"/> Does not comply	

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. 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:

Step	Entry	Item	Code Reference
1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Exhaust and replacement air systems, and power, are installed	NA7.11.1.1 Step 1
2	<input type="checkbox"/> Pass <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> 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
1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that all sources of outdoor air providing replacement air for the hoods are operational.	NA7.11.1.2 Step 1
2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify 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

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CALIFORNIA ENERGY COMMISSION

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

Step	Entry	Functional Test	Code Reference
3	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Operate all appliances under the hoods at operating temperatures.	NA7.11.1.2 Step 3
4	<input type="checkbox"/> Pass <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> 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.

Step	Entry	Functional Test	Code 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	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	DCV system automatically switches from off to the minimum flow setpoint.	NA7.11.1.3 Step 2(a)
2.2	<input type="checkbox"/> Pass <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Appropriate space pressurization is maintained.	NA7.11.1.3 Step 2(d)
3	<input type="checkbox"/> Pass <input type="checkbox"/> 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	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	DCV system automatically ramps to full speed.	NA7.11.1.3 Step 4(e)
4.2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Hood maintains full capture and containment during ramping to and at full speed.	NA7.11.1.3 Step 4(f)
4.3	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Appropriate space pressurization is maintained.	NA7.11.1.3 Step 4(g)
5	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Check if Functional Test complies with all requirements.	N/A

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CALIFORNIA ENERGY COMMISSION

COMMERCIAL KITCHEN EXHAUST 2022 NRCA-PRC-02-F

Declaration Statement	Signatory
Document Author I assert that this Certificate of Acceptance documentation is accurate and complete.	
Field Technician I assert the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Acceptance is true and correct. I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician). The construction or installation identified on this Certificate of Acceptance complies with the applicable 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 signed by the responsible builder/installer and has been posted or made available with the building permit(s) issued for the building.	
Responsible Person I assert the following under penalty of perjury, under the laws of the State of California: I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I 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 design, construction or installation of features, materials, components, or manufactured devices for the scope 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 that 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 available with the building permit(s) issued for the building. I understand that a completed, signed copy of this 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 accomplished.	

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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

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 SEQUENCE	REVISION DESCRIPTION	REVISION 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

TITLE 24 - MECHANICAL

SHEET NUMBER

M-09

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	DOMESTIC HOT WATER RETURN
	G	LOW PRESSURE GAS
	CD	PRIMARY CONDENSATE DRAIN
	XSS	EXISTING WASTE/SANITARY SEWER
	XGW	EXISTING GREASE WASTE
	XCW	EXISTING COLD WATER
	XG	EXISTING GAS
	XHW	EXISTING HOT WATER
	FW	FILTERED WATER
	T&P	TEMPERATURE & PRESSURE
	WCO	WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	SOV	SHUT-OFF VALVE
	C.V.	CHECK VALVE
	PRV	PRESSURE REDUCING VALVE
	BLV	BALANCING VALVE
	GSOV	AUTOMATIC GAS SHUT-OFF VALVE
	SOC	SHUT-OFF COCK (GAS)
	TMV	TEMPERATURE MIXING VALVE
	VTR	VENT TO ROOF
	POC	POINT OF CONNECTION
	CP	RECIRCULATION PUMP
	CW	COLD WATER STUB-INHOSE 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
	WI	WITH

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

NOTE:
1. 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.
- 3.TESTING
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 WITH PLASTIC OR FELT.

ENERGY CONSERVATION STANDARDS

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

PIPE SIZE IN DIAMETER	INSULATION THICKNESS
1/2"	1/2"
3/4"	1"
1"-1-1/2"	1-1/2"
2" OR GREATER	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.
5. MAXIMUM FLUSH VOLUMES AND FLOW RATES:

WATER CLOSETS:	1.28 GALLON PER FLUSH(BLOWOUT TYPE EXEMPT)
URINALS:	0.125 GALLON PER FLUSH(WALL MOUNTED)
	0.5 GALLON PER FLUSH(FLOOR MOUNTED)
LAVATORY:	0.5 GALLON PER MINUTE
	0.2 GALLON PER CYCLE(SELF-CLOSING)
KITCHEN FAUCETS:	1.8 GALLON PER MINUTE @ 60 PSI

CA GREEN BUILDING NOTES

- 5.303.2 PLUMBING FIXTURES SHALL MEET THE MAXIMUM FLOW RATE VALUES SHOWN IN TABLES A5.303.2.2.
- 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 60 PSI.
- 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.
3. 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 AND METERS.
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 LIGHTING PLAN.
- 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 PROOF.
- 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 INDICATED.
- 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 (CPC 613.6).
- 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.

PLUMBING FIXTURE UNITS LOADS SCHEDULE							
FIXTURE OR EQUIPMENT TYPE	MARK	NO. OF FIXTURES	WATER LOAD			WASTE LOAD	
			WATER F.U. 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	
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.
<u>2"</u> WATER METER (EXIST.)		5 PSI
<u>2"</u> PRPV (EXIST.)		10 PSI
PRESSURE AVAILABLE AT BUILDING ENTRANCE		35PSI

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 <u>150</u> 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 <u>8 PSI</u> PER 100 FT.		

WATER HEATER CALCULATIONS

PLUMBING FIXTURE	MIN. FLOW RECRUITMENT	NUMBER OF FIXTURES	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	N/A
NO EQUIPMENTS IN THIS FACILITY REQUIRES HOT WATER.			
TOTAL WATER HEATER FLOW RATE DEMAND.			6 GPM

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 GPM.

COLD WATER SIZING							
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 ON PRESSURE LOSS OF 8.0 PSI PER 100 FT. MAXIMUM VELOCITY = 8.0 FPS							

HOT WATER SIZING							
PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
GPM	4	9	15	21	31	50	98
WSFU	4	9	20	30	35	50	100
BASED ON PRESSURE LOSS 7.0 PSI PER 100 FT. MAXIMUM VELOCITY = 5.0 FPS							



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PROJECT NAME	LOCATION	OWNER
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

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SHEET NAME
PLUMBING NOTES

SHEET NUMBER
P-00

PLUMBING FIXTURE SCHEDULE

CONDITION	ITEM	FIXTURE	COLD WATER	HOT WATER	WASTE	TRAP	VENT	CONNECTION TYPE	DESCRIPTION & RELATED ACCESSORIES
EXISTING TO REMAIN & VERIFIED		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 Z600DAV-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		LAVATORY (ADA APPROVED)	1/2"	1/2"	2"	1-1/2"	2"	DIRECT	"KOHLER" HUDSON MODEL K-2849 CAST IRON WALL MOUNT LAVATORY OR APPROVED EQUAL INCLUDE (BOLD HOLES) AND OVERFLOW. INCLUDE "KOHLER" TRITON MODEL K74015A BRASS LAVATORY FAUCET WITH POLISHED CHROME FINISH AND AERATOR, POP UP DRAIN, AND WRISTBLADE LEVER HANDLES. LAVATORY AND FAUCET SHALL BE ADA COMPLIANT AND MEET ASME A112.9.1M AND ASME A112.18.1 COMPLIANT.
ONE (EXISTING) AND ONE (NEW)		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		3 COMPARTMENT	1/2"	1/2"	2"	1-1/2"	1-1/2"	INDIRECT	GSW SE18183D THREE COMPARTMENT SINK W/ 18" LEFT&RIGHT DRAINBOARDS. INSTALL W/ FISHER 34479 BACKSPLASH PRE-RINSE FAUCET. 14" ADD-ON FAUCET. 1.15 GPM SPRAY VALVE. EQUIVALENT FIXTURE ACCEPTABLE
EXISTING TO REMAIN & VERIFIED		3 COMPARTMENT	1/2"	1/2"	2"	1-1/2"	1-1/2"	INDIRECT	GSW SE-18182D TWO COMPARTMENT SINK W/ 18" ONLY RIGHT DRAINBOARD. INSTALL W/ FISHER 34479 BACKSPLASH PRE-RINSE FAUCET. 14" ADD-ON FAUCET. 1.15 GPM SPRAY VALVE. EQUIVALENT FIXTURE ACCEPTABLE
EXISTING TO REMAIN & VERIFIED		MOP SINK	1/2"	1/2"	3"	3"	2"	DIRECT	AS SHOWN ON EQUIPMENT SCHEDULE OR EQUAL. GSW - SE2024FM - 24"X24"X21" WITH MOP RACK & CHEMICAL SHELF INSTALL W/ ADVANCE TABCO K-240 SERVICE FAUCET W/ VACUUM BREAKER, CHROME-PLATED BRASS.
EXISTING TO REMAIN & VERIFIED		WATER HEATER	3/2"	3/4"	-	-	-	IN DIRECT DRAIN TO MOPSINK	EXISTING TO REMAIN BRADFORD WHITE COMMERCIAL ULTRA LOW NOX HIGH INPUT GAS WATER HEATER MODEL# ULG250HSSN COMPLETE WITH ALL INCLUDING TEMPERATURE AND PRESSURE RELIEF VALVE AND DRAIN VALVE SIZED FOR APPLICATION EXPANSION TANK. 55K BTU/HR
EXISTING TO REMAIN & VERIFIED		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		TRAP PRIMER	1/2"	-	-	-	-	DIRECT	EXISTING TO REMAIN TRAP PRIMER: (SINGLE DRAWN DISTRIBUTION), "PRECISION PLUMBING PRODUCT, INC" OREGAN #1 PO-500 TRAP PRIMER, PRISTON OPERATED (TO OPERATE LESS THEN 1 PSI PRESSURE DROP). PROVIDE WITH 1/2" CW LINE TO FLOOR DRAIN, ISOLATION VALVE, & STAINLESS STEEL ACCESS PANEL.
EXISTING TO REMAIN & VERIFIED		FLOOR DRAIN	-	-	2"	2"	1-1/2"	DIRECT	"J.R. SMITH" MODEL #2005Y ROUND TOP FLOOR WITH DUCO CAST IRON BODY WITH FLASHING COLLER, ADJUSTABLE STRAINER HEAD, POLISHED BRONZE STRAINER, 1/2" TRAP PRIMER CONNECTION, AND NO HUB CONNECTION.
EXISTING TO REMAIN & VERIFIED		WATER HEATER VACUUM CONTROL VALVE	-	-	-	-	-	DIRECT	EXISTING TO REMAIN "WATER REGULATOR" WATER SERVICE VACUUM RELIEF VALVE, MODEL #N36 M, ORDER #138458-3/4" NPT. OPENS @ LESS THAN 1/2" VACUUM. TESTED & RATED UNDER "ANSI2 21.22." CGA CERTIFIED OR APPROVED EQUAL.
EXISTING TO REMAIN & VERIFIED		DOUBLE CHECK VALVE BACKFLOW PREVENTER	3/2"	-	-	-	-	DIRECT	EXISTING 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		PRINCIPLE REDUCED PRESSURE BACKFLOW PREVENTER	1/2"	-	-	-	-	DIRECT	EXISTING TO REMAIN "WILKINS" MODEL 975XLST 1/2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. STAINLESS STEEL MAIN BODY WITH TO INUNE INDEPENDENT CHECK VALVES SEPARATED BY AN INTERMEDIATE CHAMBER FOR RELIEF VENTING TO THE ATMOSPHERE. PREVENTAL SHALL COME WITH TWO FULL PORT BALL VALVES AND MODEL AG AIR GAP.
	WCO	WALL CLEANOUT	LINE SIZE						ZURN Z1441 WALL CLEANOUT W/SMOOTH ACCESS COVER EQUIVALENT FIXTURE ACCPETABLE.
	FCO	FLOOR CLEANOUT	LINE SIZE						ZURN Z1400-B FLOOR CLEANOUT EQUIVALENT FIXTURE ACCEPTABLE.
	CV	CHECK VALVE	LINE SIZE						ZURN 40XL2 IN-LINE SINGLE CHECK VALVE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. EQUIVALENT ACCEPTABLE.

NOTES:

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.

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 VACCUUM BREAKER FOR BACKFLOW PREVENTION

1. CONTRACTOR SHALL PROVIDE INDIVIDUAL BACKFLOW PREVENTERS FOR EACH PIECE OF EQUIPMENT.
2. EACH BACKFLOW PREVENTER MUST HAVE TESTING PORTS.
3. MOP SINK WITH BUILT IN VACCUUM 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 FIXTURE 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
TOTAL WATER SUPPLY FIXTURE UNITS			21
GPM			19.5



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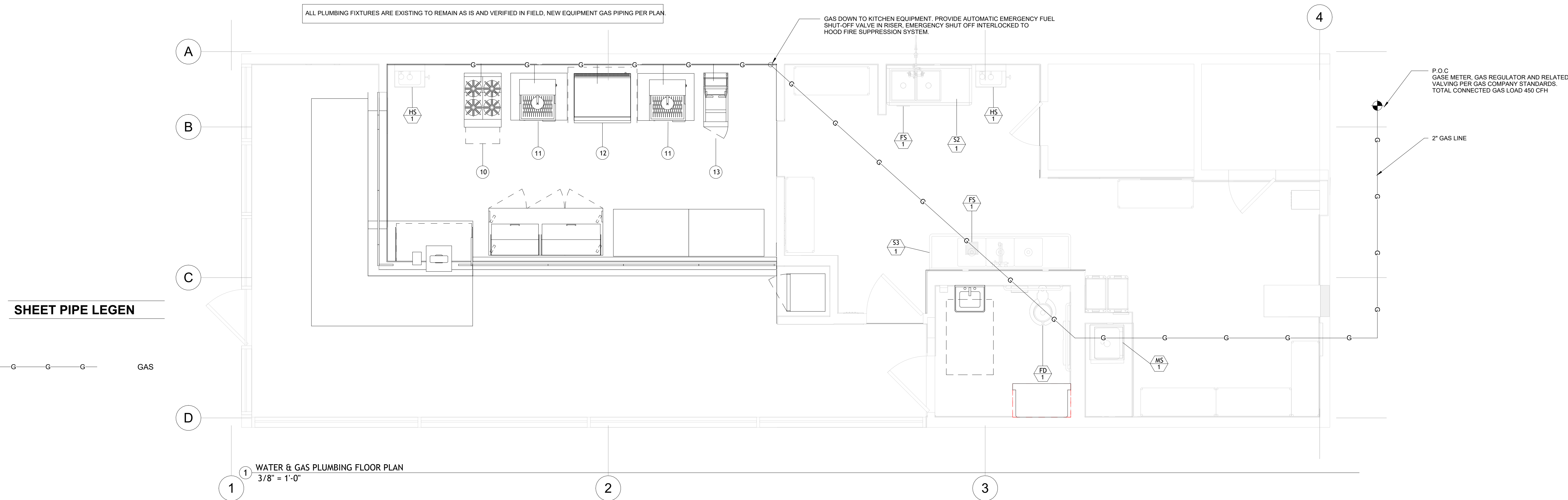


SHEET NAME

PLUMBING SCHEDULES

SHEET NUMBER

P-001



SHEET PIPE LEGEN

GAS

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 APPROVED FOR NATURAL GAS INSTALLATIONS, INCLUDING BLACK STEEL, 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.

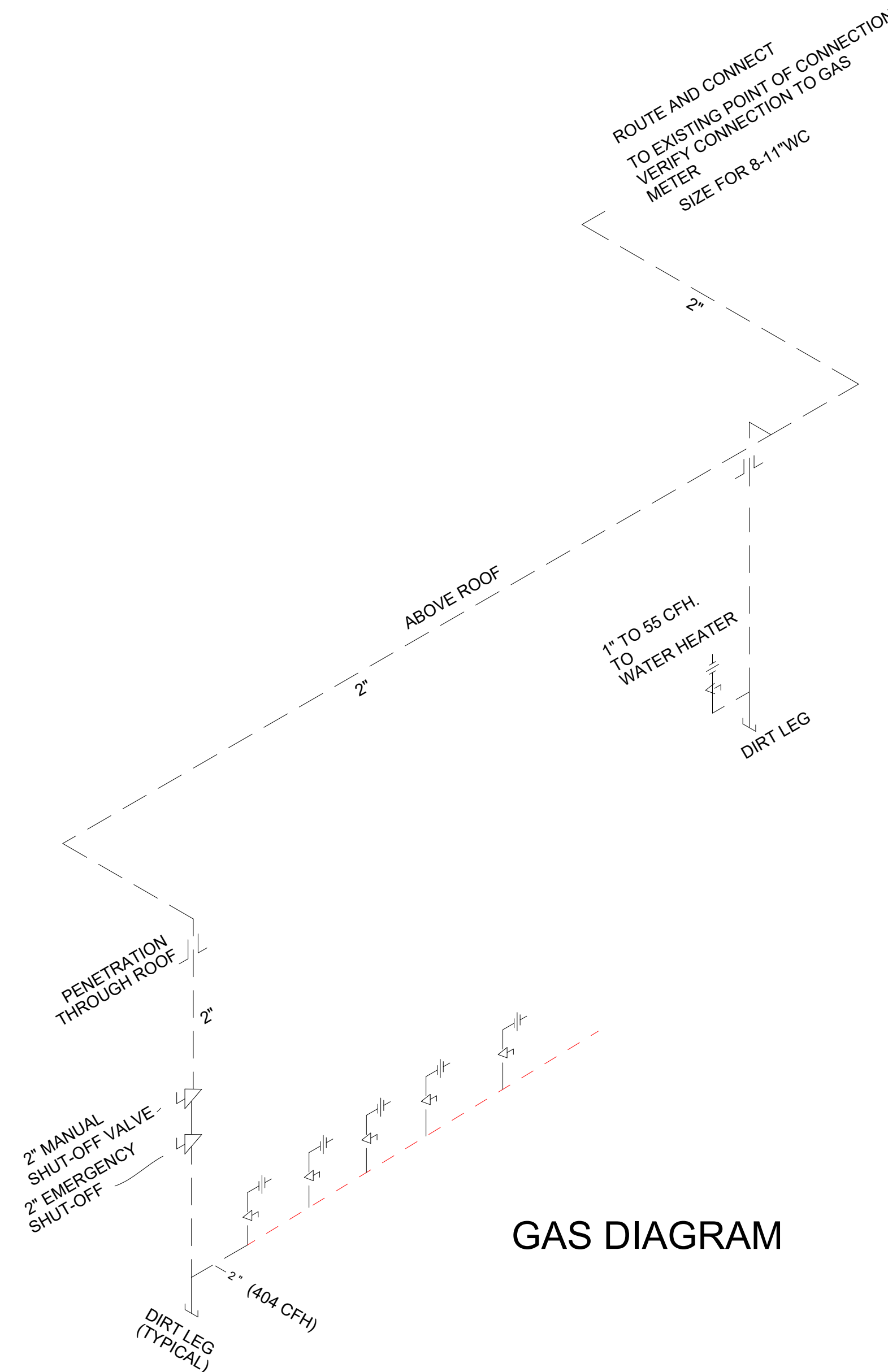
GAS LOAD SUMMARY

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

TOTAL NATURAL GAS CONNECTED EQUIPMENT	6
TOTAL NATURAL GAS CONNECTED LOAD	459 CFH

TOTAL DEVELOPED LENGTH INCLUDING EQUIVALENT PIPE LENGTH FOR 150 FT X 1.2 = 180

METER & REGULATOR PER GAS COMPANY.
GAS PIPING SIZING PER GAS RISER DIAGRAM.



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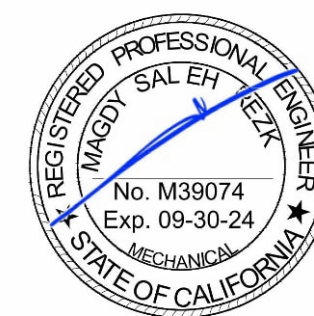
REVISION SCHEDULE

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

ENGINEER OF RECORD

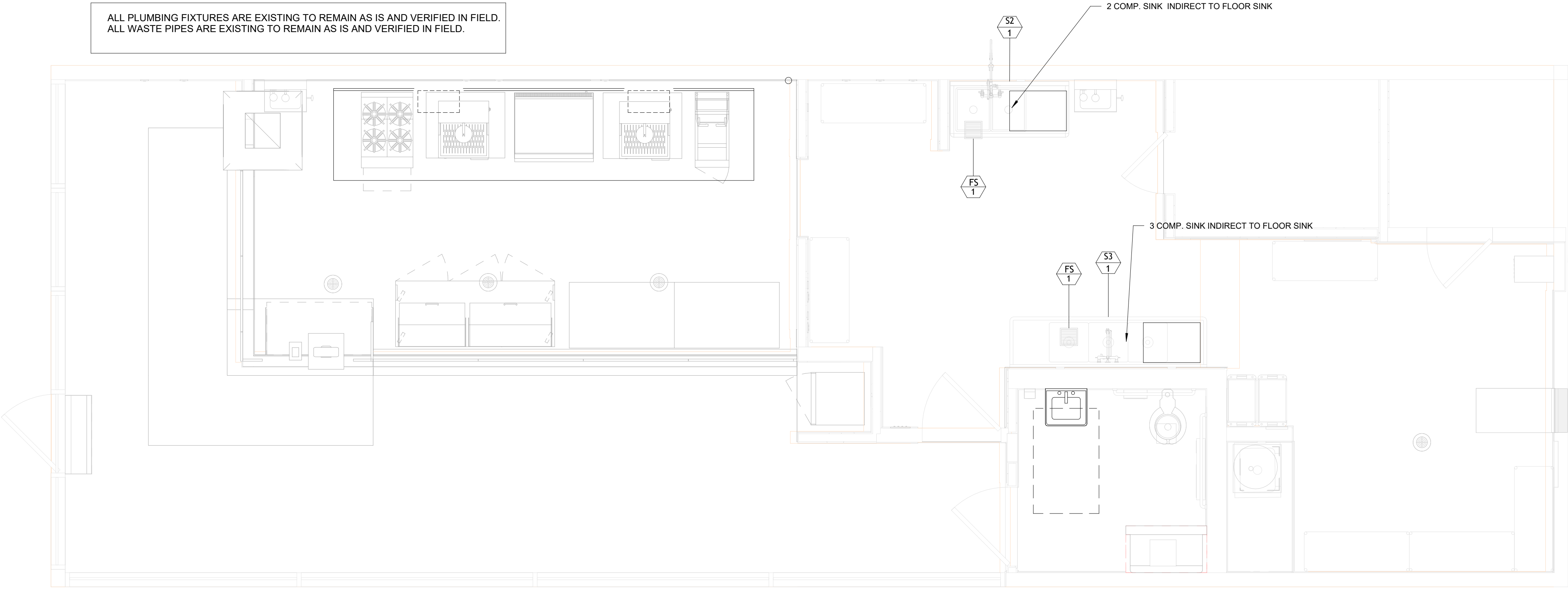
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SHEET NAME
PLUMBING WATER & GAS

SHEET NUMBER
P-002



① WASTE & VENT PLUMBING FLOOR PLAN
3/8" = 1'-0"

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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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
LEVANTY RESTAURANT TENANT IMPROVEMENTS	115 N MCKINLEY ST STE 107. CORONA, CA 92879	ZAHER DAKELBAB

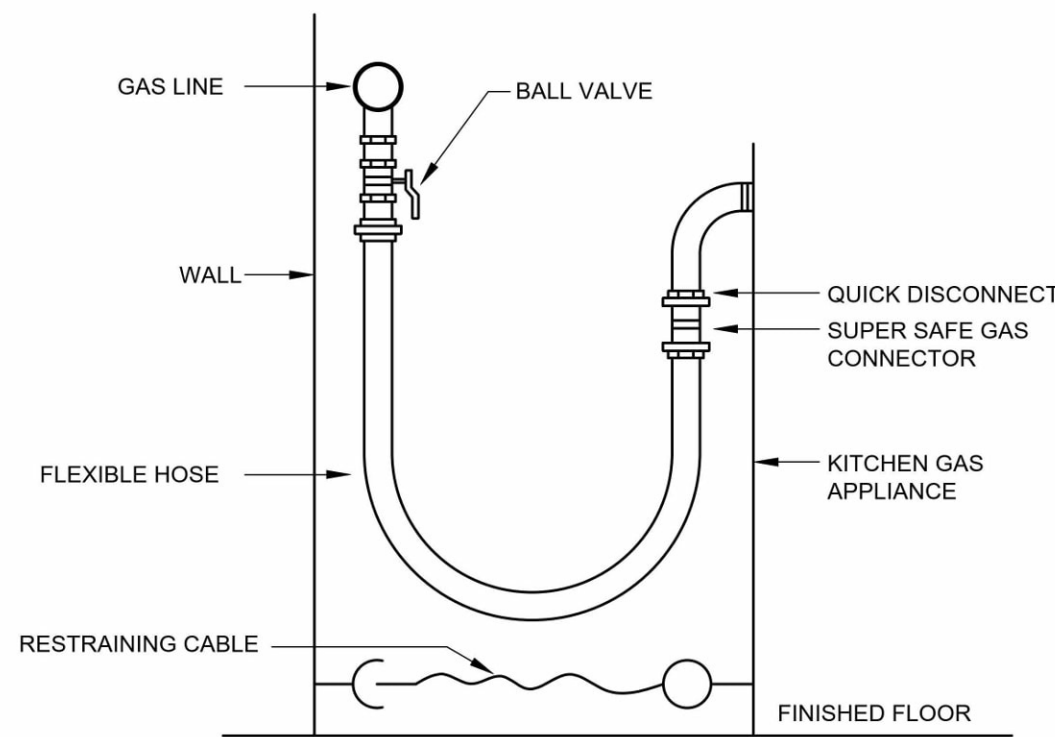
AUTHORITY HAVING JURISDICTION (AHJ)		
BUILDING DEPARTMENT CITY OF CORONA		
REVISION SCHEDULE		
REVISION SEQUENCE	REVISION DESCRIPTION	REVISION DATE

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.



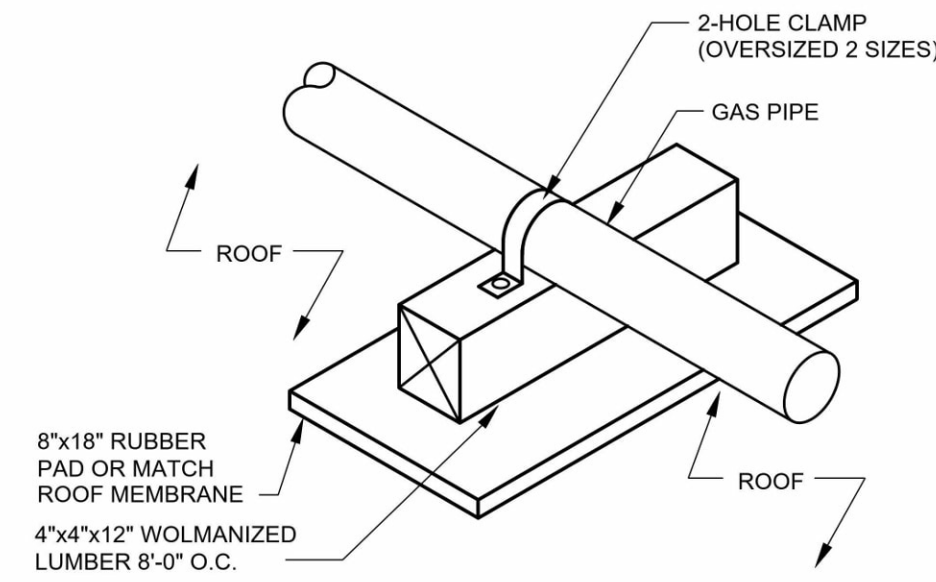
SHEET NAME
PLUMBING WASTE & VENT

SHEET NUMBER
P-003



**KITCHEN EQUIPMENT
GAS CONNECTION DETAIL**

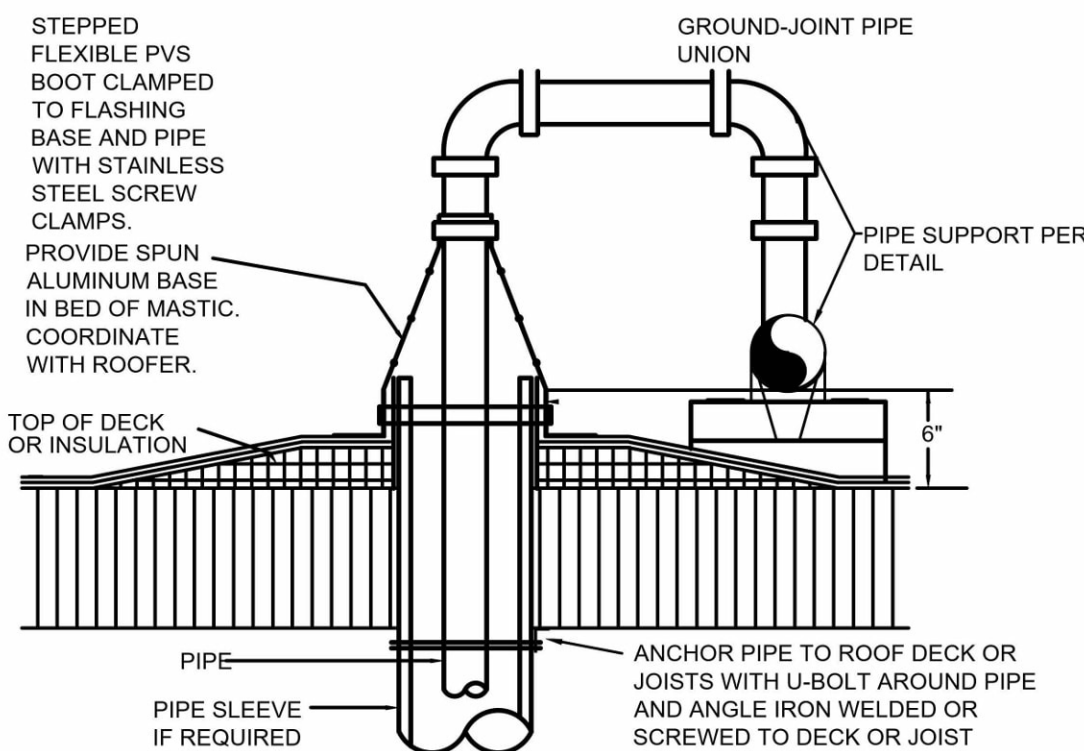
SCALE: NO SCALE



NOTE: ROOF PAD IS RECOMMENDED TO AVOID ABRASION TO ROOF

GAS MOUNTING DETAIL

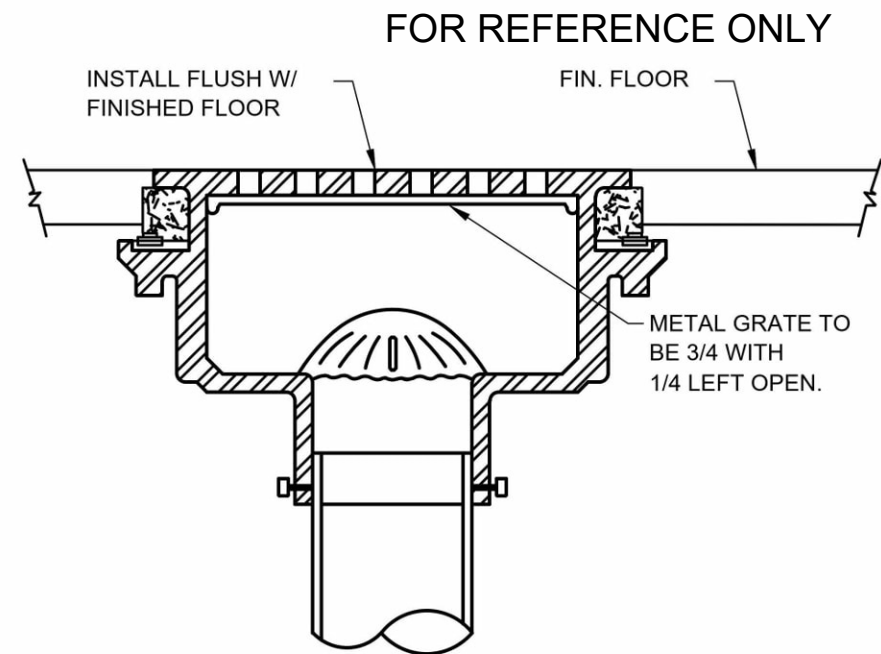
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REFER TO PLANS FOR PIPE SIZES AND LOCATIONS. USE WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE, LOCATE PENETRATION MINIMUM 18" FROM ADJACENT WALLS.

ROOF PENETRATION DETAIL

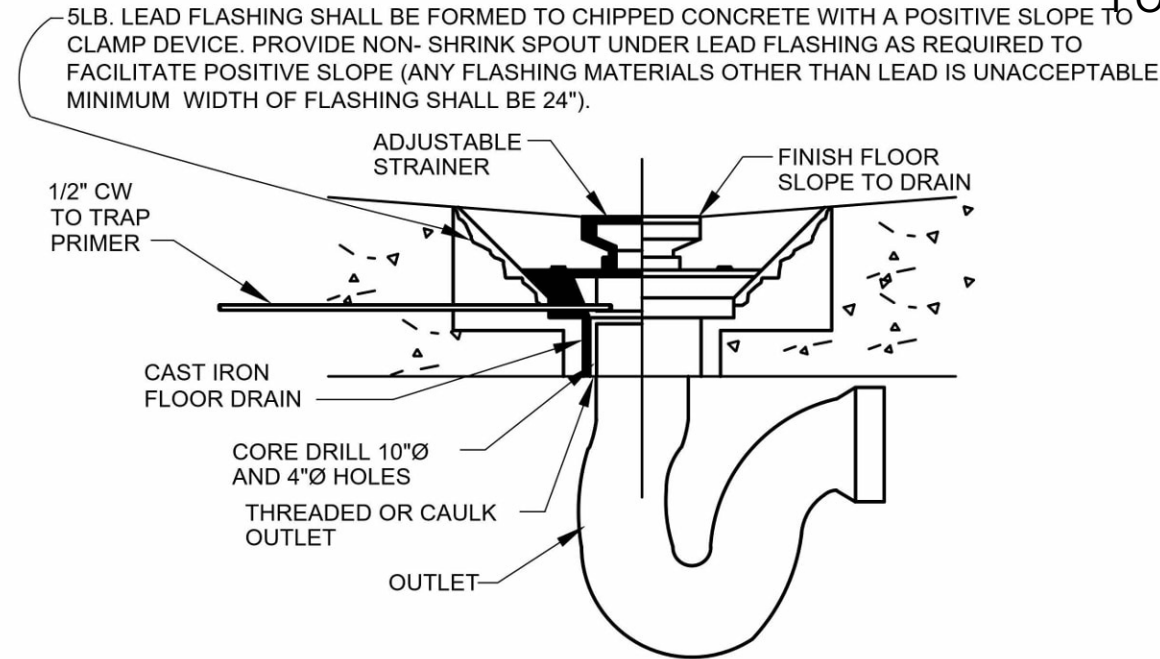
SCALE: NO SCALE



NOTE:
1. ALL FLOOR SINKS MUST BE FLUSH WITH TILE FLOOR AS SHOWN ABOVE. INSTALLATION ON A 1/4" LIP EITHER DIRECTION IS ALSO ACCEPTABLE.

FLOOR SINK DETIAL

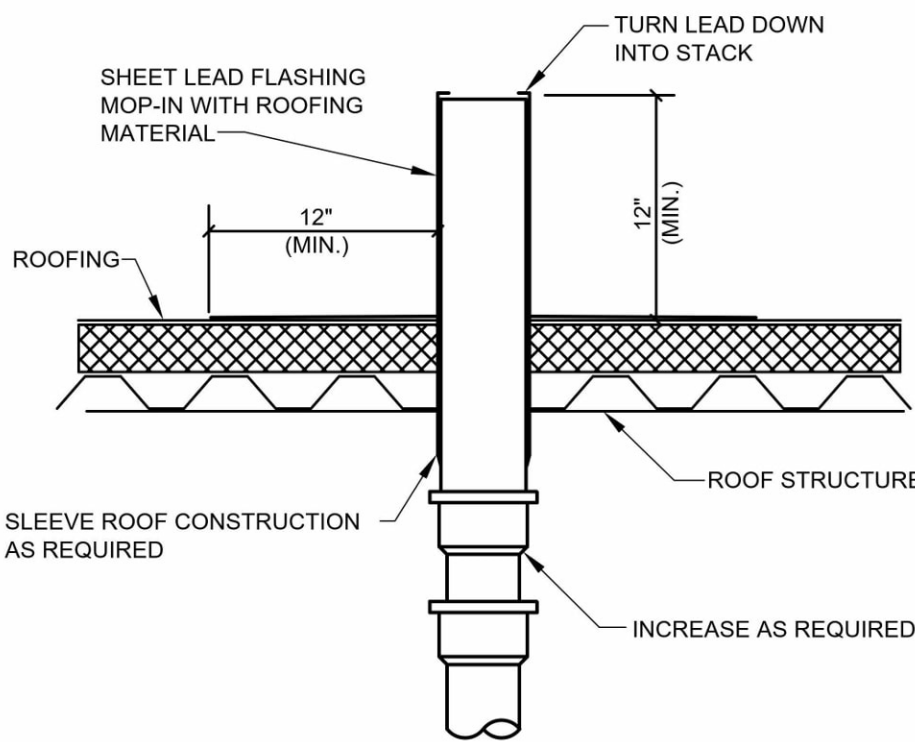
SCALE: NO SCALE



NOTE: THE GENERAL CONTRACTOR SHALL PROVIDE A ONE PIECE WATER PROOF MEMBRANE FLOOR AND BASE IN THE TOILET ROOM(S).

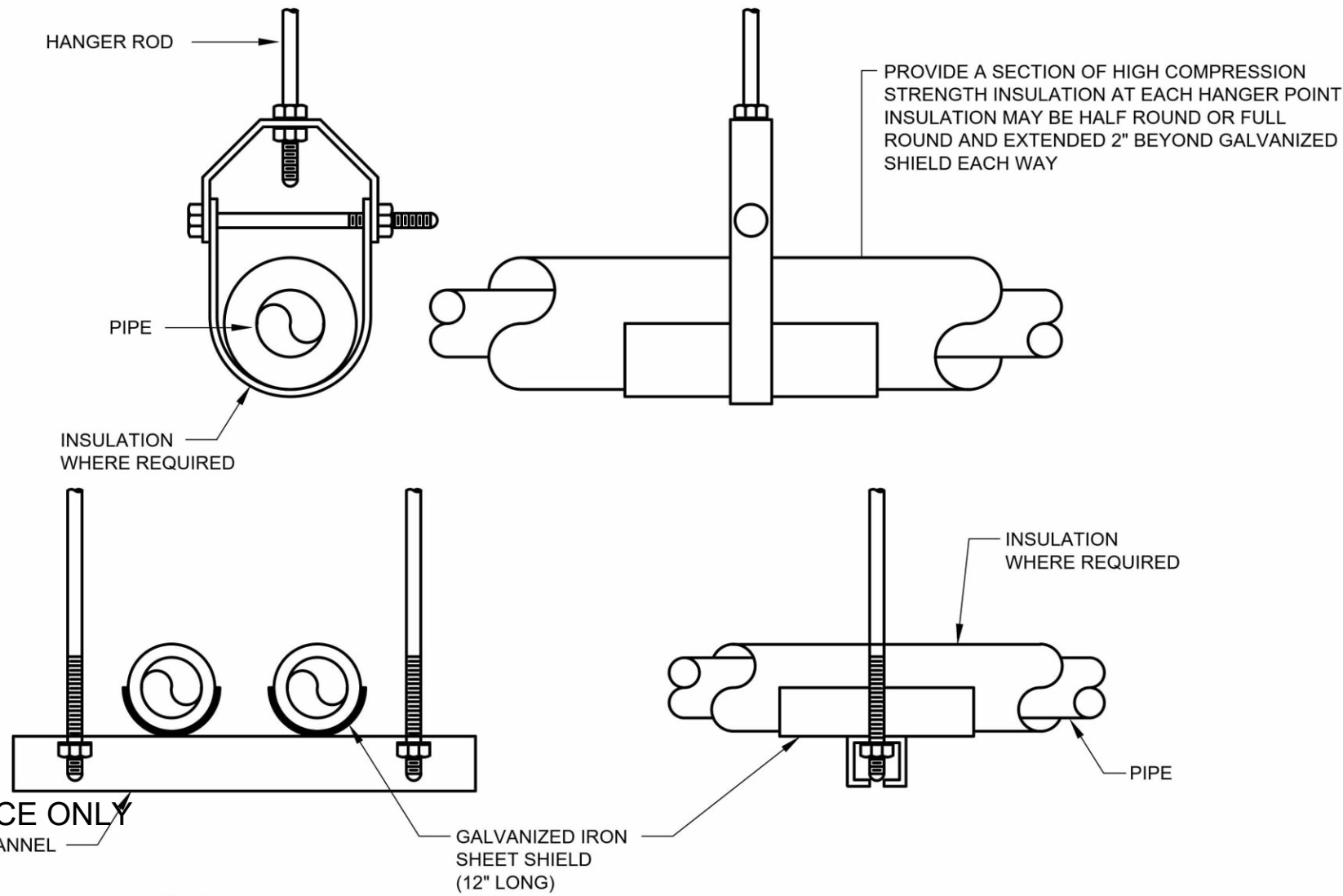
FLOOR DRAIN w/TRAP PRIMER

SCALE: NO SCALE



VENT THRU ROOF DETAIL

SCALE: NO SCALE



NOTES:

1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE TO THE TOP CHORD OF JOISTS OR BEAMS.
2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON-INSULATED COPPER PIPE.

PIPE HANGER DETAIL

SCALE: NO SCALE

ELECTRICAL SPECIFICATIONS (AS APPLICABLE)

DIVISION 16 - ELECTRICAL
SECTION 16000

BASIC ELECTRICAL REQUIREMENTS

A. NOTE

- 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.
- 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.
- 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.
- 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.
- 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.
- 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 OTHERWISE.
- 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.
- ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
- 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.
- 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.
- THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

C. TEMPORARY LIGHT AND POWER

- 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 THE REMOVAL OF ALL TEMPORARY WIRING.
- THE GENERAL CONTRACTOR SETS UP ALL ELECTRICAL UTILITIES IN THE NAME OF THE TENANT. TENANT PAYS FOR ALL UTILITIES THROUGHOUT CONSTRUCTION.

D. CODES

- 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

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

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 UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 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

- THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
 - LOCATION OF CONCEALED CONDUIT AND EQUIPMENT.
 - REVISIONS, ADDENDUMS, AND CHANGE ORDERS.
 - SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
- 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

- 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

- 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

- 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.
- 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.

L. SLEEVES

- THE CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS 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 MASONRY FLOORS OR WALLS.
- 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. HANGERS

- 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 TRAPEZIE 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.
- HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DIELECTRICALLY SEPARATED.

N. FINAL ELECTRICAL INSPECTIONS

- 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

- 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 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.
 - 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.
 - 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.
 - INSTALLATION OF LIGHT FIXTURES AND LAMPS AS SHOWN ON THE DRAWINGS INCLUDING ALL DEVICES, EQUIPMENT, ETC. REQUIRED FOR MOUNTING.
 - 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 DRAWINGS.
 - A COMPLETE EMERGENCY AND EXIT LIGHTING SYSTEM AS SHOWN ON THE DRAWINGS.
 - TEMPORARY SERVICE AS INDICATED IN THE SPECIFICATIONS, INCLUDING ITS REMOVAL.
 - FINAL CONNECTIONS TO ALL SIGNS, CORNICE LIGHTING, CASE LIGHTING, ETC. AS SHOWN ON DRAWINGS.
 - 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.
 - BALANCING LOADS.
 - AS-BUILTS, PANEL DESCRIPTION AND CIRCUIT BREAKER SPECIFIC LABELING.
- THE FOLLOWING ITEMS OF ELECTRICAL CONSTRUCTION ARE NOT INCLUDED IN THIS CONTRACT:
 - TELEPHONE INSTRUMENTS AND WIRING UNLESS NOTED OTHERWISE.
 - DATA CABLE WIRING UNLESS NOTED OTHERWISE.
- 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

- 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.
- ALL CONDUITS SHALL BE GALVANIZED IMC OR EMT UNLESS OTHERWISE SPECIFIED IN SPECIFICATIONS OR ON DRAWINGS. ALL CONDUIT IS TO BE U.L. 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.
- MINIMUM SIZE OF CONDUIT SHALL BE:
 - MAIN FEEDER CONDUIT 2" OR LARGER FOR ALL APPLICATIONS.
 - 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.

- IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4", UNLESS NOTED OTHERWISE ON DRAWINGS.
 - ALL IN/UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
- SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACING, IN ACCORDANCE WITH THE NEC AND LOCAL CODES.
 - 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:
 - 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.
 - INTER-CONNECTIONS BETWEEN ALL LIGHT FIXTURES AND HOMERUNS TO PANELS WHERE CODE ALLOWS.
 - FINAL CONNECTIONS WHERE RIGID CONDUIT IN NOT PRACTICAL.
 - IN WALLS (FOR LIGHT SWITCHES AND 120 VOLT POWER RECEPTACLES AND HVAC CONTROL EQUIPMENT).
 - 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 ITS FITTINGS ARE TO BE LISTED FOR GROUNDING. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED. ALL CONNECTORS ARE TO BE OF A NEMA APPROVED TYPE.
 - THE USE OF ROMEX, BX, ETC. IS PERMITTED ONLY IN RESIDENTIAL CONSTRUCTION NOT HIGHER THAN THREE STORIES.
 - CONNECTION TO ANY OUTDOOR EQUIPMENT MUST BE WEATHERPROOF.
- PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
- 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.
 - ALL CONDUITS MUST BE SIZED PER NEC AND LOCAL CODES.
 - ALL SENSORMATIC WIRING MUST BE PLACED IN CONDUIT (PVC PIPE NOT PERMITTED).

OUTLET BOXES

- 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.
- ALL KNOCKOUT BOXES, UPON WHICH LIGHTING FIXTURES ARE TO BE INSTALLED, SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS.
- EXTERIOR BOXES SHALL BE CAST RUST-RESISTING METAL WITH GASKETED COVERS.
- 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.
- UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRICAL CODE, HANDICAP CODES OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS:
 - SWITCH HEIGHT 48" FROM FINISHED FLOOR TO TOP OF OUTLET.
 - 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, AS SHOWN ON DRAWINGS, OR AS REQUIRED BY LOCAL CODES, SEE DRAWINGS.
 - TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.

JUNCTION AND PULL BOXES

- 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.
- BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE SIZE.
- INSTALL BOXES RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE AND SUPPORTED INDEPENDENT OF THE CONDUIT SYSTEM.
- ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE TO CEILING LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS.
- JUNCTION AND PULL BOXES MUST BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.

WIRING

- 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 THHN.
- 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.
 - #12 LESS THAN 100 FEET
 - #10 BETWEEN 100-150 FEET
 - #8 BETWEEN 150 - 250 FEET
 - #6 OVER 250 FEET
- 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.
- CONDUCTORS MAY BE STRANDED FOR SIZES #10 AWG AND LARGER. CONDUCTORS SIZE #12 SHALL BE SOLID (NOT STRANDED).
- 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.
- ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (IE. LOW VOLTAGE PLENUM RATED WIRE).
- 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.
- THE USE OF ROMEX, BX, ETC. IS PERMITTED ONLY IN RESIDENTIAL CONSTRUCTION NOT HIGHER THAN THREE STORIES.
- 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.
- 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 OR L2 - RED	PHASE B OR L2 - ORANGE
PHASE C OR L3 - BLUE	PHASE C OR L3 - BROWN
GROUND - GREEN	GROUND - GREEN WITH YELLOW TRACER

ELECTRICAL SYMBOLS LIST

CLG	WALL	FLR	DESCRIPTION
			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
			DUPLEX RECEPTACLE WITH USB 2.0 PORT
			SPECIAL RECEPTACLE. SEE EQUIPMENT PLAN/INSTALLATION MANUAL FOR SPECS AND DETAILS.
			JUNCTION BOX
			COMBINATION TELEPHONE, DATA AND CABLE OUTLET AT +18" U.O.N. PROVIDE 1/2"C.O. STUBBED TO ACCESSIBLE CEILING SPACE
			TELEPHONE OUTLET; CAT5E CABLE. RJ11 TERMINATION MOUNTED AT +18" PROVIDE 1/2"C.O. STUBBED TO ACCESSIBLE CEILING SPACE
			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
			HOMERUN TO PANEL "P-1", CIRCUITS #1
			GROUND CONNECTOR
			ELECTRICAL PANEL. REFER TO PANEL SCHEDULE FOR DETAILS.
			MAIN SWITCHBOARD OR POWER DISTRIBUTION BOARD. VERIFY DIMENSION WITH VENDER/MANUFACTURER.
			DENOTES EQUIPMENT #1. SEE EQUIPMENT SCHEDULE FOR THE DETAILS AND EXACT SPECIFICATIONS.
			INDICATES PLAN NOTE NUMBER "11". SEE PLAN
			DENOTES MECHANICAL EQUIPMENT #1 SEE MECHANICAL DRAWINGS FOR THE DETAILS AND SPECIFICATIONS.
			SINGLE POLE SWITCH AT +48" U.O.N.
			THREE-WAY SWITCH AT +48" U.O.N.
			MANUAL MOTOR STARTER
			DIMMER SWITCH AT +48" U.O.N.
			THREE-WAY DIMMER SWITCH AT +48" U.O.N.
			OCCUPANCY AUTOMATIC WALL SWITCH SENSOR WITH SINGLE LEVEL SWITCHING AT +48" U.O.N./MANUFACTURER TO BE DETERMINED
			VACANCY AUTOMATIC WALL SWITCH SENSOR WITH SINGLE LEVEL SWITCHING AT +48" U.O.N./MANUFACTURER TO BE DETERMINED
			OCCUPANCY SENSOR SINGLE POLE SWITCH WITH DIMMER CONTROL FEATURE AT +48" U.O.N./MANUFACTURER TO BE DETERMINED
			CEILING MOUNTED OCCUPANCY SENSOR MANUFACTURER TO BE DETERMINED
			CEILING MOUNTED VACANCY SENSOR MANUFACTURER TO BE DETERMINED
			CEILING MOUNTED DAYLIGHT SENSOR MANUFACTURER TO BE DETERMINED
			HARD WIRED, WITH BATTERY BACKUP. SMOKE DETECTOR/CARBON MONOXIDE DETECTOR/MULTI-PURPOSE CARBON MONOXIDE & SMOKE DETECTOR.
			NON-FUSED/FUSED SWITCH, SIZE AS SHOWN IN THE PLAN
			MOTOR OUTLET - IDENTIFICATION
			TIME CLOCK WITH MANUAL BY-PASS SWITCH SEE LIGHTING CONTROL DIAGRAM FOR DETAILS
			GAS SOLENOID-SEE PLUMBING PLAN FOR EXACT LOCATION.
			CURRENT LIMITER FOR TRACK LIGHTING FIXTURE. 1A RATED U.O.N.
			ABBREVIATION FOR NEW / EXISTING. EXISTING TO REMAIN U.O.N.

SYMBOL NOTES:

SYMBOL LIST SHOW IN FOR GENERAL REFERENCE ONLY. A PRESENCE OF A SYMBOL DOES NOT IMPLY ITS USE ON THIS PROJECT. 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.

CITY OF CORONA PLAN NOTES

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



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T.I PROPOSED BUSINESS OWNERS



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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

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 SEQUENCE	REVISION DESCRIPTION	REVISION DATE
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ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP

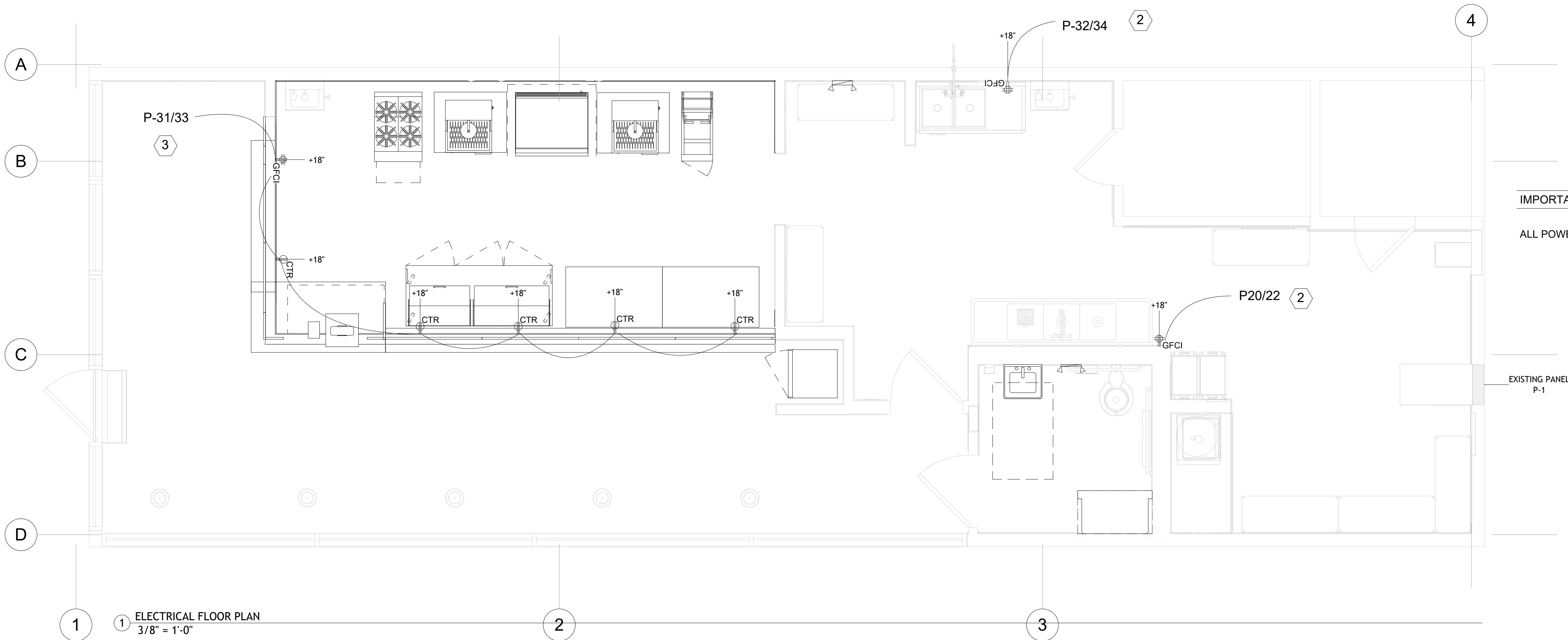
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SHEET NAME
ELECTRICAL NOTES & SPECIFICATIONS

SHEET NUMBER

E-00

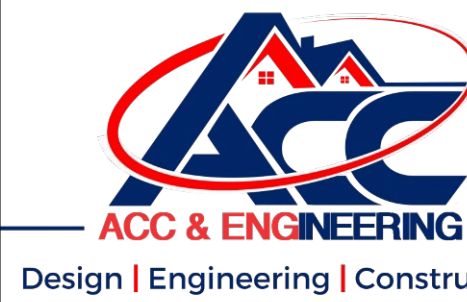


GENERAL NOTES:

- ELECTRICAL EQUIPMENT SHALL BE LISTED BY U.L. OR CITY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE CITY DEPARTMENT.
- CONCEAL ALL WIRING AND CONDUIT IN WALLS, CHASE, UTILITY SPACES OR ABOVE CEILING.
- WIRE SIZE SHALL NOT BE LESS THAN CORRESPONDING CIRCUIT BREAKER RATING AS REQUIRED BY CODE.
- CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE LATEST NEC.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE 2019 EDITION.
- IF DRAWINGS ARE INCORRECT FROM THE ACTUAL SITE CONDITION, E.C. SHALL NOTIFY ENGINEER(S) AND PROVIDE INFORMATION REFLECTING ACTUAL CONDITIONS.
- FLEXIBLE CORDS SHALL NOT PASS THROUGH CEILINGS, WALLS OR FLOORS. PER SECTION 400.8 OF CALIFORNIA ELECTRICAL CODE 2019 EDITION.
- COORDINATE LOCATIONS/HEIGHTS OF ALL RECEPTACLES FOR ELECTRICAL DEVICES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- ALL ITEMS LABELED/IDENTIFIED AS EXISTING (IF ANY), ARE SUBJECT TO FIELD VERIFICATION.
- FIELD VERIFY ALL KITCHEN EQUIPMENT INSTALLATION REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 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).
- 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.
- VERIFY EXACT ELECTRICAL INSTALLATION REQUIREMENTS WITH MANUFACTURER AND PROVIDE PER RECOMMENDATION.
- RE-USE EXISTING CIRCUIT, VERIFY HOME RUN & CIRCUIT NUMBER IN FIELD.



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T.I PROPOSED BUSINESS OWNERS



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ANAHEIM, CA 92806
LIC#1073807

PROJECT NAME	LOCATION	OWNER
LEVANTY RESTAURANT TENANT IMPROVEMENTS	115 N MCKINLEY ST STE 107. CORONA, CA 92879	ZAHER DAKELBAB

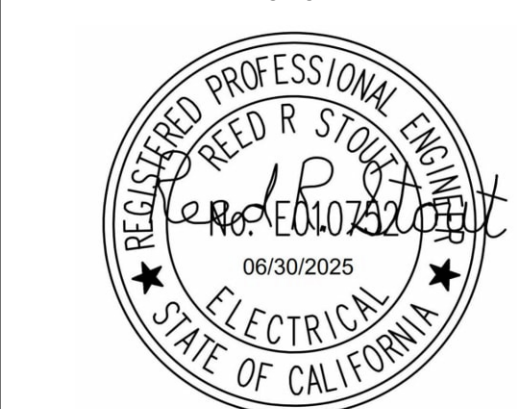
AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE		
REVISION SEQUENCE	REVISION DESCRIPTION	REVISION 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
POWER PLAN

SHEET NUMBER
E-001



T.I PROPOSED BUSINESS OWNERS

 **LEVANTY**
TALES OF TASTE

CONTRACTOR
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PROJECT NAME	LOCATION	OWNER
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

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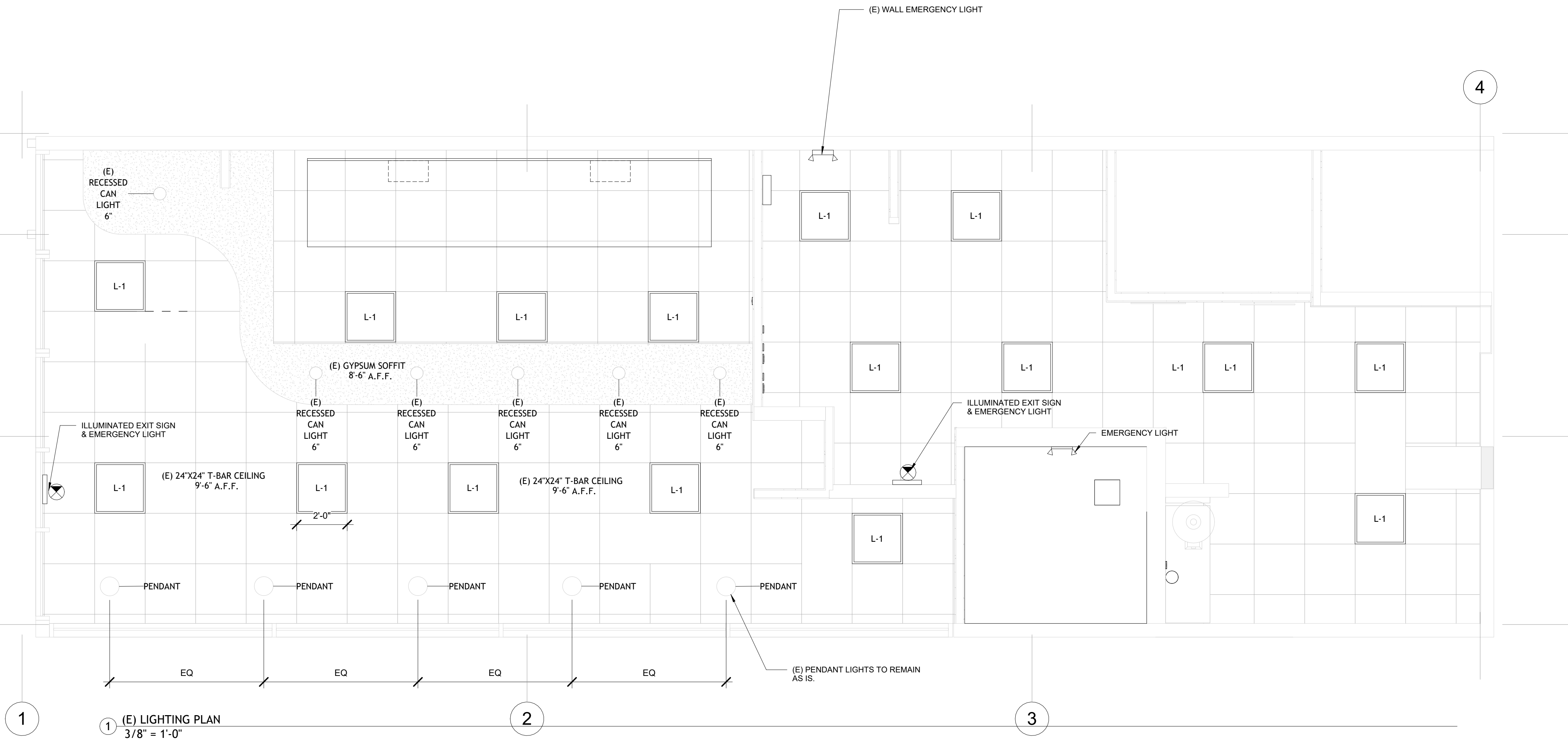
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PRACTICE.



SHEET NAME
LIGHTING PLAN

SHEET NUMBER
E-002

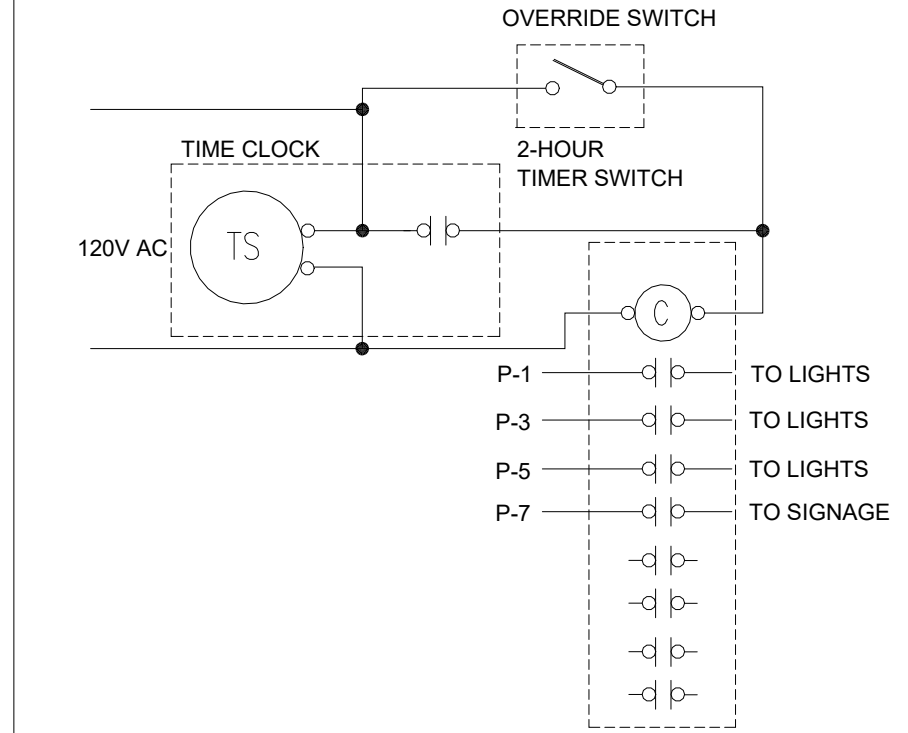


TYPE	DESCRIPTION	LAMP	VOLT	WATT
A	24"x24" LIGHTING CEILING MOUNTED LED FIXTURE PROGRESS SERIES OR APPROVED EQUAL	LED	120	9
B	6" RECESSED DOWNLIGHT LED FIXTURE, DIMMABLE LITHONIA LDN6 SERIES OR APPROVED EQUAL	LED	120	10
C	PENDANT CORD CYLINDER 6" LED FIXTURE, DIMMABLE GOTHAM SERIES OR APPROVED EQUAL	LED	120	14.7
D	6" SURFACE MTD 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	---
X	LED EXIT SIGN WITH 90 MINUTES BATTERY PACK LITHINIA EXR LED M6 OR EQUIVALENT	---	120	---

- NOTES:
1. FIXTURE SHALL HAVE MIN. OF 10 YEARS MANUFACTURER WARRANTY ON ALL COMPONENTS.
 2. FIXTURES SHALL HAVE APPROPRIATE UL (LIE, ETC., DAMP OR WET) AS REQUIRED BY CODES AND ORDINANCES.
 3. FIXTURES SHALL INCLUDE ALL ACCESSORIES FOR INSTALLATION ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND AS REQUIRED BY CODES AND LOCAL ORDINANCES.
 4. PRIOR TO ORDERING ANY LIGHTING EQUIPMENT, THE CONTRACTOR SHALL COORDINATE ALL REFLECTED LIGHTING WITH ARCHITECTURAL, SELECTED CEILING TYPE, AND CEILING CAVITY DEPTHS.
 5. ALL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTURE SCHEDULE AND SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP(S) AND BALLAST(S).
 6. CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES AND CEILING TRIM COMPATIBILITY PRIOR TO ORDERING FIXTURE.
 7. PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-RATED CEILINGS.
 8. LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY HARDWARE AS REQUIRED BY THE SPECIFICATIONS, DRAWINGS, AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION.
 9. ALL FIXTURES SHALL BE PROVIDED WITH APPROPRIATE LABELING THAT HAVE UL, AND CEM LABELS. PROVIDE ALL NECESSARY HARDWARE, WIRING, AND DIMMING CONTROLS.
 10. ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS, ESPECIALLY DIMMED SYSTEMS. FIXTURES, LAMPS, BALLAST(S), AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS MUST BE FACTORY CERTIFIED COMPATIBLE WITH FULL RANGE OF DIMMING COMPATIBILITY.
 11. LIGHTING FIXTURE MANUFACTURER & MODEL IS FOR REFERENCE ONLY. FIXTURE SHALL BE SELECTED BY ARCHITECT. POWER AND QUALITY SHALL BE SPECIFICATION GRADE.

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.
3. ILLUMINATION LEVELS IN THE ENTIRE EXIT ACCESS SHALL HAVE AVERAGE MINIMUM OF 1 FT CANDLE. ILLUMINATION LEVELS AT ANY ONE POINT SHALL BE AT LEAST 0.1 FT CANDLE AND MAX TO MIN UNIFORM RATIO OF 40 PER CFM1008.3.5.
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. CIB 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. CIB 1013.1.
7. THE BOTTOM OF THE SIGN SHALL NOT BE LESS THAN 8 INCHES OR MORE THAN 8 INCHES ABOVE THE FLOOR LEVEL AND SHALL INDICATE THE PATH OF EGRESS OR TRAVEL TO THE 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.
8. TACTILE EXIT SIGNS SHALL BE PROVIDED WITH APPROPRIATE WORDS AT EXIT DOORS LEADING TO ENCLOSED EXIT STAIRWAYS AND EXIT DOORS LEADING TO OUTSIDE. CIB 1013.4.

S(Override) = LIGHTING OVERRIDE SWITCH, AT FRONT DOOR.
TC = LIGHTS TIME CLOCK WITH OVERRIDE ON/OFF CONTROL
SPECIFIC NOTES:
DESIGNATED NON EMERGENCY LIGHTING CIRCUITS SHALL BE CONTROLLED
BY 24 HR TIME CLOCK THROUGH MULTI-POLE CONTACTOR. TIME CLOCK
SHALL INCORPORATE AN AUTOMATIC HOLIDAY "SHUT-OFF" FEATURE.
INTERMATIC ET2800 SERIES OR APPROVED EQUAL



LIGHTING CONTROL DIAGRAM

120V, SINGLE POLE, MAX 3% VOLTAGE DROP						
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
COPPER	3/0	3/0	3/0	300	500	200 AMP
ALUMINUM	250	250	300	600	900	200 AMP

NOTE:
THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CIRCUIT
CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.

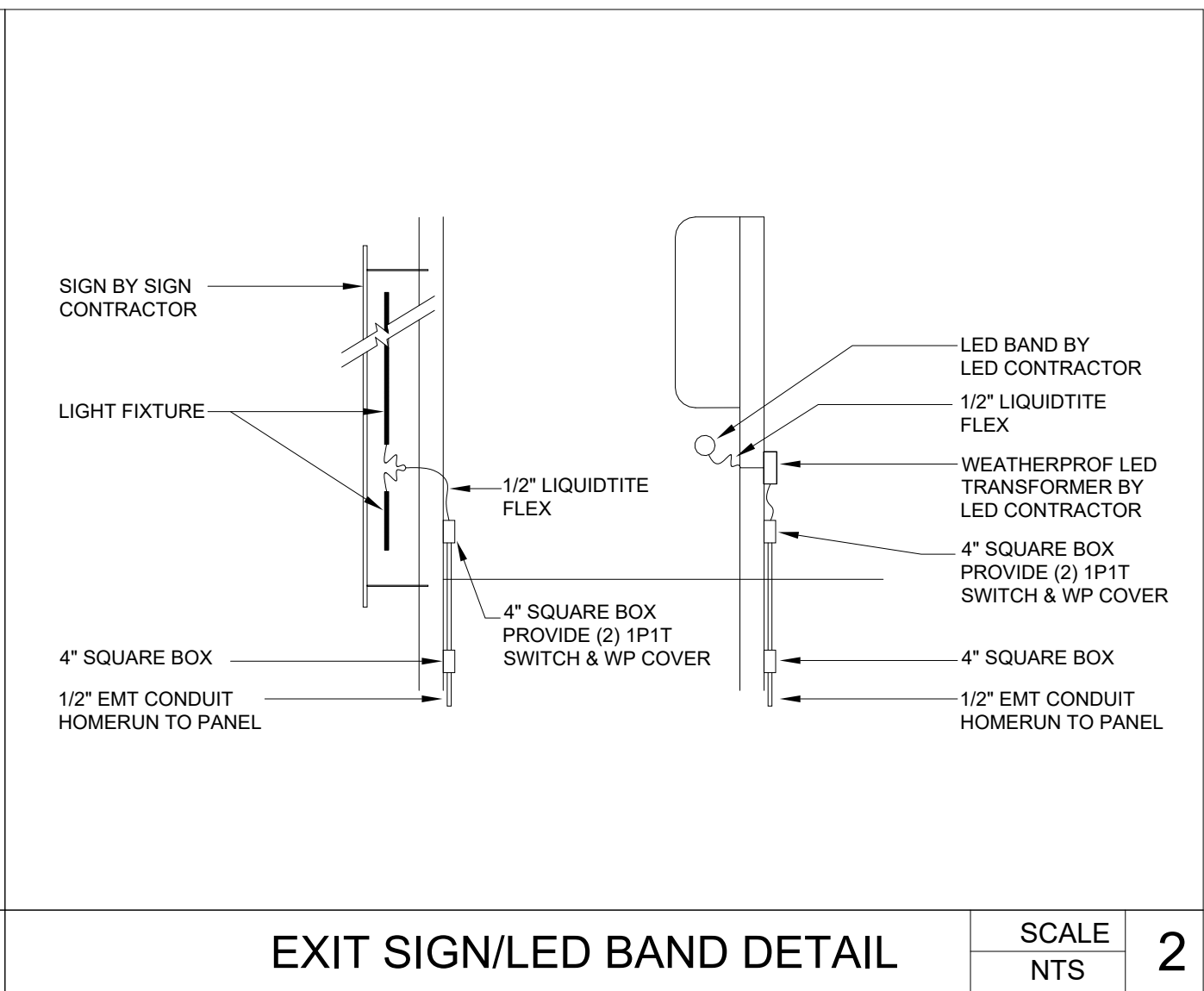
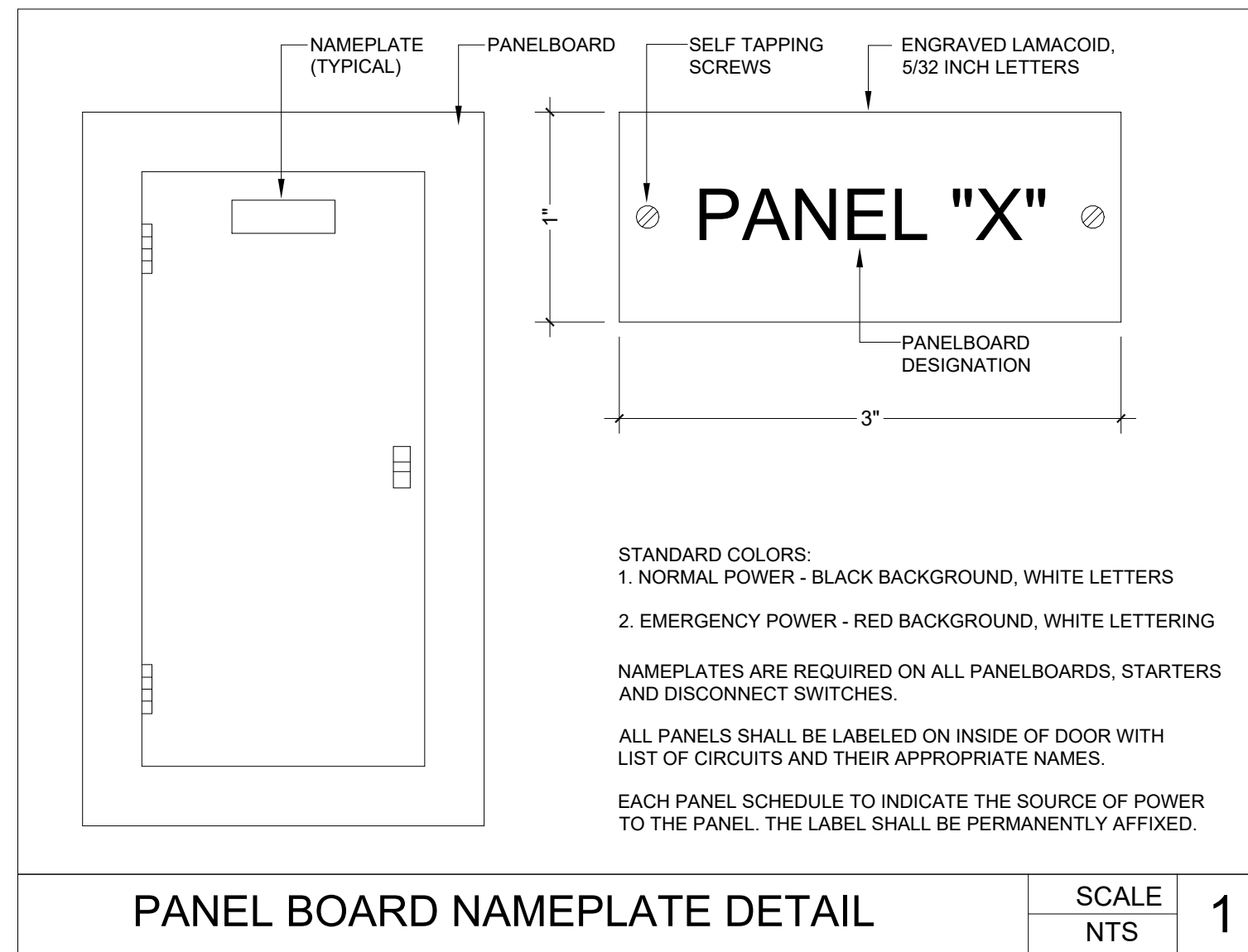
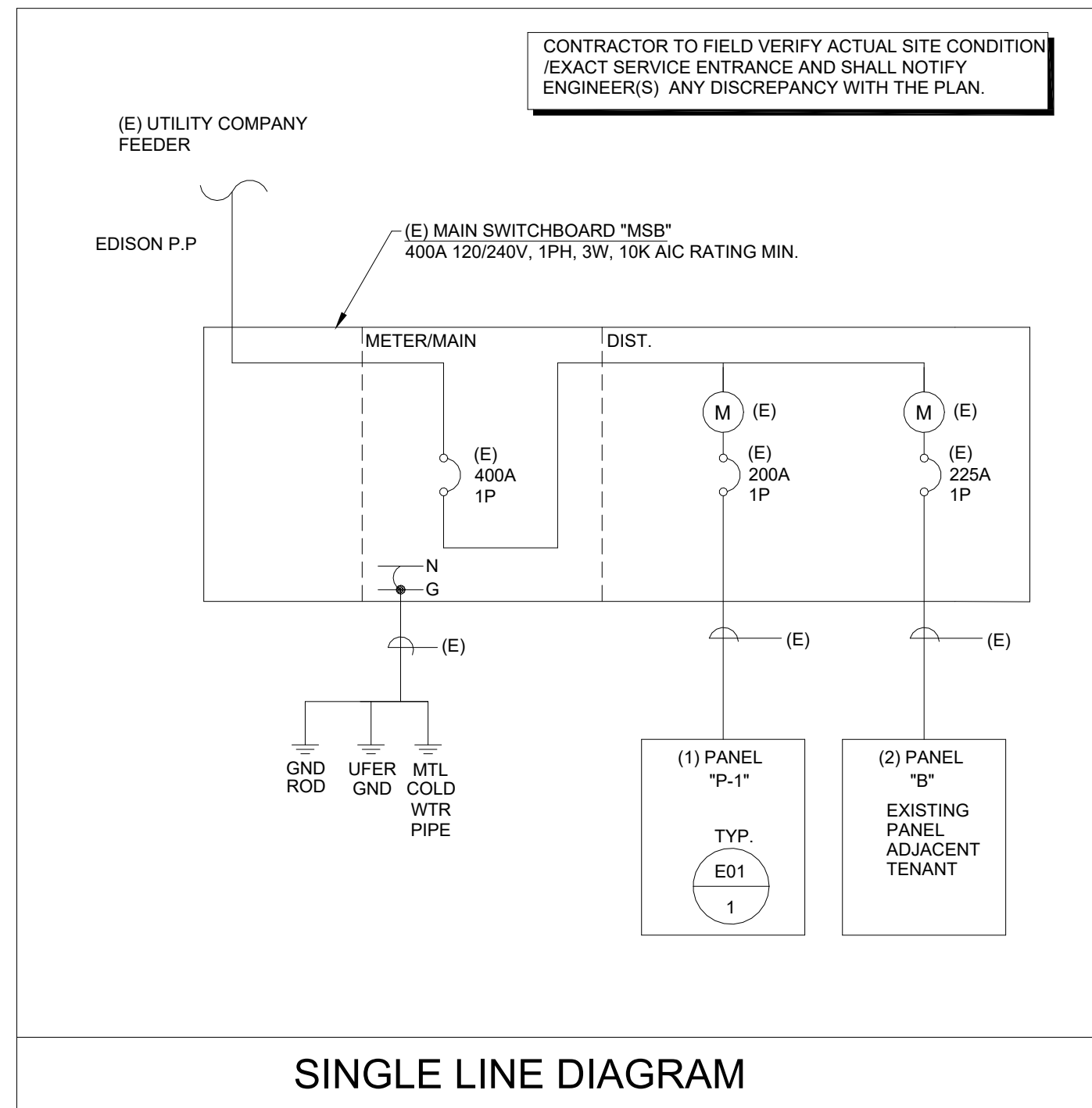
CIRCUIT KEY

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

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

EXISTING ELECTRICAL PANEL SCHEDULE										(E) PANEL "P-1"										LOCATION: RECESSED														
VOLTAGE: 208Y/120V, 3Ø 4W															LOAD VA					MAINS MLO					BUS: 225A					A.I.C: 10,000				
KEY	CIRCUIT DESCRIPTION:			BKR	CIR no.	Ø A	Ø B	Ø A	Ø B	CIR no.	BKR	CIRCUIT DESCRIPTION:			KEY																			
	DAYLIGHT LIGHTS (E) TO REMAIN	L	20/1	1	280		2640			2	30/2	K	KITCHEN APPL. (E) TO REMAIN	KEY																				
	PENDANT LIGHTS (E) TO REMAIN	L	20/1	3		910		2640	4	K	K	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	K	(V.I.F)																						
	AIR CURTAIN FRONT (E) TO REMAIN	C	20/1	11	900				12	20/1	K	(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	N	N																							
1	PONY WALL OUTLETS (E) TO REROUTE	R	20/1	31	750		2800		18	30/2	K	MERCHANDISE MACHINE (E)																						
1	PONY WALL OUTLETS (E) TO REROUTE	R	20/1	33		1000		750	20	30/2	N	20 TO 22 EMPTY	2																					
1	CONV. RECEPT.2 (E) TO REROUTE	R	20/1	35	550		950		22	30/2	N																							
1	ADVANTCO (E) TO REROUTE	K	20/1	37				750	22-30			24 TO 30 EMPTY																						
1	EXAUST FAN (E) TO REROUTE	K	20/1	39	1000		950		32-34	30/2	K	32 TO 34 EMPTY	2																					
	HP-1/AH-1 (E) TO REMAIN	M	45/2	41		2704		1200	38	20/1	M	MAKE UP AIR (E) TO REROUTE	1																					
												EMPTY																						
PHASE TOTALS					A 19704		B 18260		FOR DEMAND LOAD SEE BELOW																									
TOTAL LOAD					37964 WATTS																													
MIN. C/B AIC: 10,000																																		

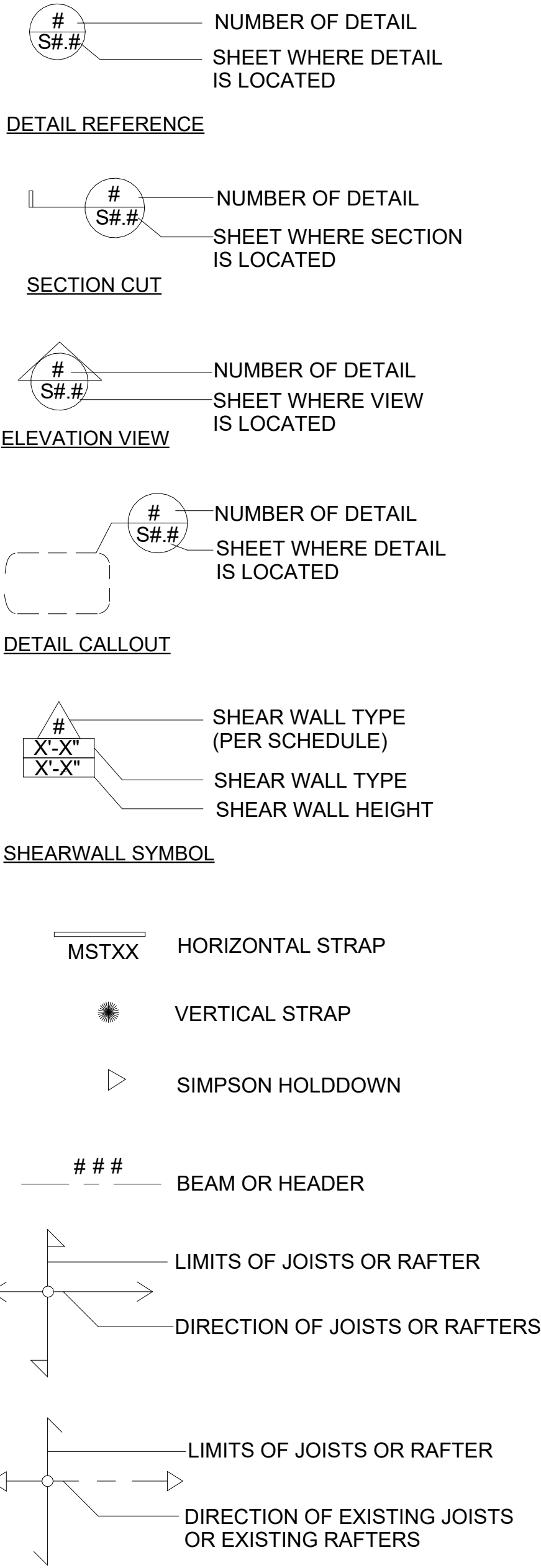
*DEMAND LOAD CALCULATION:
L=LIGHTING LOADS: 1.25X2870 = 3588 VA
C=CONTINUOUS LOADS, OTHER: 1.25X4550 = 5687.5 VA
M=MOTOR LOADS (INCL LGST): 1X3904 = 3904 VA
LARGEST, VA: 25X3904=1952 VA
R=RECEPTACLES:1ST 10K: 1 X 4860 = 4860 VA
BALANCE 5X0=0 VA
K=KITCHEN LOADS QTY = 4 0.8X16620=13296 VA
N=NONCONTINUOUS LOADS, OTHER: 1X5250 = 5250 VA
(P=PANEL, INCL. IN ABOVE) TOTAL N.E.C DEMAND LOAD = 38537.5 VA = 161 AMPS



ABBREVIATIONS

AB.	ANCHOR BOLT
ADJ.	ADJACENT
ALLOW.	ALLOWABLE
ALT.	ALTERNATE
APPROX.	APPROXIMATE
BDRY.	BOUNDARY
BL.	BOTTOM LAYER
BOT.	BOTTOM
B.S.	BOTH SIDES
BT.	BENT
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CSK	COUNTERSUNK
CJ	CEILING JOIST
CB	CEILING BEAM
DBL.	DOUBLE
DEPR.	DEPRESSION
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
DS	DOUBLE STIRRUPS
DWLS.	DOWELS
EA.	EACH
E.F.	EACH FACE
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.W.	EACH WAY
E.	EXISTING
EXT.	EXTERIOR
FB.	FLOOR BEAM
FDN.	FOUNDATION
F.F.	FINISH FLOOR
FG.	FLOOR GIRDER
FJ.	FLOOR JOIST
FLG.	FLANGE
F.L.	FLOOR
F.O.S.	FACE OF STUD
F.P.	FULL PENETRATION
F.S.	FAR SIDE
FTG.	FOOTING
GA.	GAGE
GALV.	GALVANIZED
GLB	GLUE LAMINATED BEAM
GR.	GRADE
HORIZ.	HORIZONTAL
H.S.	HIGH STRENGTH
HSS.	HOLLOW STRUCT.SECTION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INT.	INTERIOR
JST.	JOIST
JT.	JOINT
K.P.	KING POST
LG.	LONG
LGTH.	LENGTH
LTWT.	LIGHTWEIGHT
MECH.	MECHANICAL
MFR.	MANUFACTURER
N.I.C.	NOT IN CONTRACT
NLB.	NON-LOAD BEARING
NO.	NUMBER
N-S.	NORTH-SOUTH
N.T.S.	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OPNG.	OPENING
OPP.	OPPOSITE
P.L.	PROPERTY LINE
P.P.	PARTIAL PENETRATION
QTY.	QUANTITY
REG.	REGULAR
REINF.	REINFORCEMENT
REQ'D	REQUIRED
RB.	ROOF BEAM
RC	REINFORCED CONC.
RR	ROOF RAFTER
SCHED.	SCHEDULE
SECT.	SECTION
SHTG.	SHEATHING
S.O.G.	SLAB ON GRADE
SPCG.	SPACING SQUARE
STAG.	STAGGERED
STD.	STANDARD
STIRR.	STIRRUPS
STL.	STEEL
STR.	STRAIGHT
STRUCT.	STRUCTURAL
SUPPT.	SUPPORT
SW	SHEAR WALL
SYM.	SYMMETRICAL
T & B	TOP AND BOTTOM
T.C.	TOP OF CURB
TEMP.	TEMPERATURE
T.S.	TOP OF STEEL
TOW.	TOP OF WALL
TOR.	TOP OF RAILING
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
WWM.	WELDED WIRE MESH

SYMBOLS



ESR AND LARR REFERENCES

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, ITS/MIT/HIT, LBV/B/HB/BA, EGQ)	2615	25803
Simpson Hangers for composite lumber and prefabricated wood joists.(IUS, U, HU/HUC, HUS/HUSC, HHUS, SUR/L, HSUR/L, MIU, HGUS, LGU,MGU,HGU, HHGU, HUCQ)	2552	25801
Simpson SET-XP Epoxy Adhesive Anchors for Cracked and Uncracked Concrete	2508	25744
Simpson Column Caps for wood construction- (1. CC, ECC, CCQ and ECCQ Column Caps) (2. AC, EAC, LPC, PC, EPC, BC, BCS, EPCZ, AND PCZ Post	2604	25714
Simpson Straps- FHA, HST, LSTA, LSTI, MST, MSTA, MSTC, MSTI, and ST Series Straight Tie Straps; CMST and CS Series Coiled Tie Straps; CMSTC16 Coiled Tie Strap; CTS218 Compression/Tension Straps MSTCB3 Series Straps.	2105	25713
Simpson Hold-Down Connectors- HDU, HDQ8, HDDQ, DTT2, and HDC10 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, RBCP, and TJC37 Angles, Z Clips, and FWANZ	2330	25720
Hardy Frame Panels HFX and HFX/S Series Panels and Brace Frames, HFX Series Bearing Plate, HFP Series Post, and Hardy Frame® Saddle	2089	25759
SIMPSON PDPW-300 SHOT PINS	2138	-
SIMPSON Embedded Column Bases in Concrete: CBSQ-SDS2, EPB, PB, PBS, EPS, CB/LCB, PPBZ and MPBZ.	3050	25985
Structural Composite Lumber: TimberStrand® Laminated Strand Lumber(LSL), Parallam® Parallel Strand Lumber (PSL), and Microllam® Laminated Veneer Lumber(LVL); TimberStrand® LSL Rim Board, Microllam LVL Rim Board; and TJ® Rim Board.	1387	25202

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	DIAPHRAGM
<input type="checkbox"/> FOOTING, STEM WALLS, PIERS	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> STEEL MOMENT FRAME	<input type="checkbox"/> CONCRETE
<input type="checkbox"/> FOUNDATION	<input type="checkbox"/> MASONRY	<input type="checkbox"/> STEEL BRACED FRAME	<input type="checkbox"/> STEEL DECK
<input type="checkbox"/> CAISSON, PILES, GRADE BEAMS	<input type="checkbox"/> WOOD	<input type="checkbox"/> CONCRETE MOMENT FRAME	<input type="checkbox"/> WOOD
<input type="checkbox"/> STEPPED/RETAINING FOUNDATION, HILLSIDE SPECIAL ANCHORS	<input type="checkbox"/> OTHERS	<input type="checkbox"/> MASONRY WALL FRAME	<input type="checkbox"/> OTHERS:
<input type="checkbox"/> OTHERS:		<input type="checkbox"/> 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

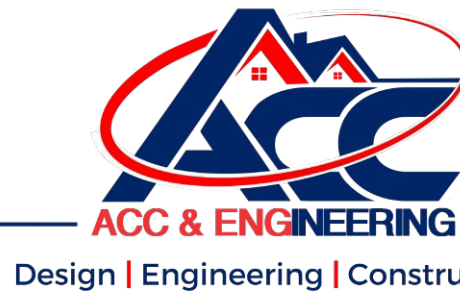
I, _____ DECLARE THAT THE ABOVE LISTED (ARCHITECT, ENGINEER) IS DESIGNATED BY ME TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION

(REQUIRED IF THE STRUCTURAL OBSERVER IS DIFFERENT FROM THE ARCHITECT OR THE ENGINEER OF RECORD.

SIGNATURE DATE

INSPECTION SCHEDULE

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	PERIODIC
3.BEARING-TYPE CONNECTIONS	PERIODIC
4.SLIP-CRITICAL CONNECTIONS	CONTINUOUS
B-WELDING OF STRUCTURAL STEEL :	
1.COMPELTE AND PARTIAL PENETRATION GROOVE WELDS	CONTINUOUS
2.MULTIPASS FILLET WELDS	CONTINUOUS
3.SINGLE-PASS FILLET WELDS > 5/16"	CONTINUOUS
4.SINGLE-PASS FILLET WELDS < 5/16"	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	CONTINUOUS
4.OTHER REINFORCING STEEL	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	CONTINUOUS
3. PRODUCT DESCRIPTION INCLUDING NAME, ROD TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. ADHESIVE EXPIRATION DATE	CONTINUOUS
5. PROPER INSTALLATION TECHNIQUE FOR ADHESIVE ANCHORS	CONTINUOUS
B- MECHANICAL ANCHORS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. 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	CONTINUOUS
C- UNDERCUT ANCHORS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. 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	CONTINUOUS
SCREW ANCHORS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PROCEDURES	CONTINUOUS
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:	
1. REINFORCING STEEL MATERIALS AND PLACEMENT	PERIODIC
2. BOLTS INSTALLED IN CONCRETE PRIOR TO AND DURING CONCRETE PLACEMENT	CONTINUOUS
3. VERIFY USE OF REQUIRED MIX DESIGN	PERIODIC
4. SAMPLING OF FRESH CONCRETE	CONTINUOUS
5. CONCRETE AND SHOTCRETE PLACEMENT TECHNIQUE	CONTINUOUS
6. MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC
7. FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS	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	CONTINUOUS
3. PRODUCT DESCRIPTION INCLUDING NAME, ROD TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. ADHESIVE EXPIRATION DATE	CONTINUOUS
5. PROPER INSTALLATION TECHNIQUE FOR ADHESIVE ANCHORS	CONTINUOUS
B- MECHANICAL ANCHORS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. 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	CONTINUOUS
C- UNDERCUT ANCHORS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. 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	CONTINUOUS
SCREW ANCHORS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PROCEDURES	CONTINUOUS
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:	
1. PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC
2. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	PERIODIC
3. LOCATION OF REINFORCEMENT, CONNECTOR, AND ANCHORAGE	PERIODIC
4. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC
5. TYPE, SIZE, AND LOCATION OF ANCHORS	PERIODIC
6. REINFORCEMENT SIZE, GRADE, AND TYPE	PERIODIC
7. WELDING OF REINFORCING BARS	CONTINUOUS
8. PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER	PERIODIC
9. GROUT SPACE IS CLEAN	PERIODIC
10. GROUT PLACEMENT	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:	
A. MAINTENANCE AND ADHERENCE TO FABRICATION AND QUALITY CONTROL PROCEDURES.	PERIODIC
B. FABRICATION TOLERANCE	PERIODIC
SITE-FABRICATION WOOD CONSTRUCTION:	
A. WOOD STRUCTURAL PANEL SHEATHING (HIGH-LOAD DIAPHRAGMS)	PERIODIC
B. NOMINAL SIZE, GRADE, AND TYPE OF FRAMING MEMBERS	PERIODIC
C. FASTENER DIAMETER, LENGTH, QUALITY, LOCATION, EDGE DISTANCE AND SPACING.	PERIODIC
D. CONNECTOR TYPE, MANUFACTURE, AND FASTENERS	PERIODIC
INSPECTION OF SOILS (2019 CBC SEC 1705.6)	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC



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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
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 SEQUENCE	REVISION DESCRIPTION	REVISION 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 COMPLETENTLY MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE.

SHEET NAME
STRUCTURAL ABBREVIATIONS, SYMBOLS & SCHEDULES

SHEET NUMBER

BUILDING CODES AND STANDARDS USED FOR DESIGN

1. 2022 CALIFORNIA BUILDING CODE
OCCUPANCY CATEGORY: II

DESIGN LOADS

1. DESIGN LOADS
ROOF LIVE LOAD: 20 psf
ROOF DEAD LOAD: 15 psf
2. WIND LOAD DESIGN CRITERIA
WIND IMPORTANCE FACTOR, I: 1.0
BASIC WIND SPEED: 92 MPH (3 SEC GUST)
WIND EXPOSURE CATEGORY: B
GCpi: +/-0.18
3. SEISMIC LOAD DESIGN CRITERIA
SEISMIC IMPORTANCE FACTOR, I: 1.0
SITE CLASS: D
Ss=1.57, S1=0.6
Sds=1.13, Sd1=1.01
- SEISMIC DESIGN CATEGORY: D

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.
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 ¼" 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.
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 BE 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.

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.
3. 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.
5. 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.
6. 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

1. 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).
6. SECTION PROPERTIES ARE ASSUMED TO BE IN ACCORDANCE WITH THE AMERICAN IRON 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 DESIGN VALUES.
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.




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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
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 SEQUENCE	REVISION DESCRIPTION	REVISION DATE
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ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP



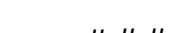



THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION)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

SHEET NUMBER
S-00

LEGEND

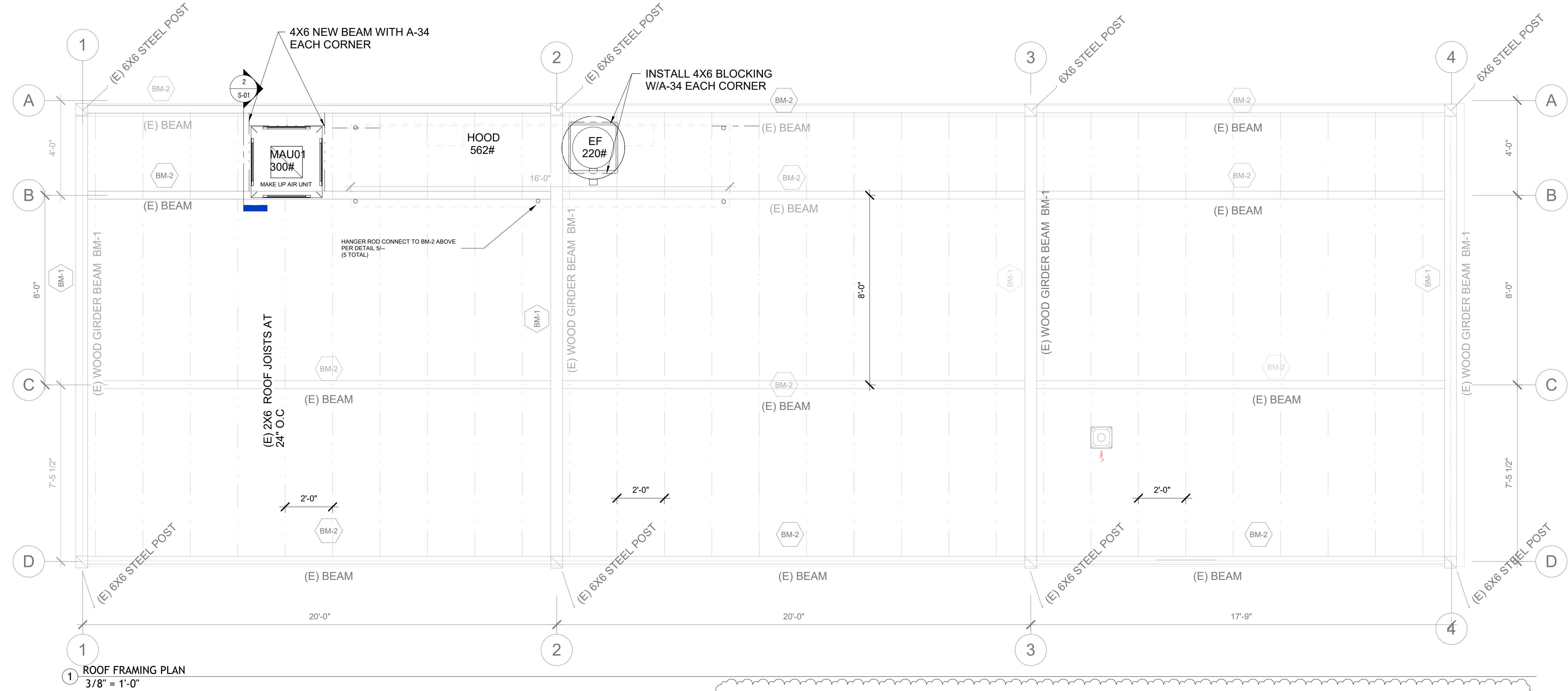
	(E) WALLS NOT PART
	HORIZONTAL STRAP
	BEAM OR HEADER
	LIMITS OF JOISTS OR RAFTER
	DIRECTION OF JOISTS OR RAFTERS
	ROOF JOIST

PARTIAL ROOF FRAMING PLAN

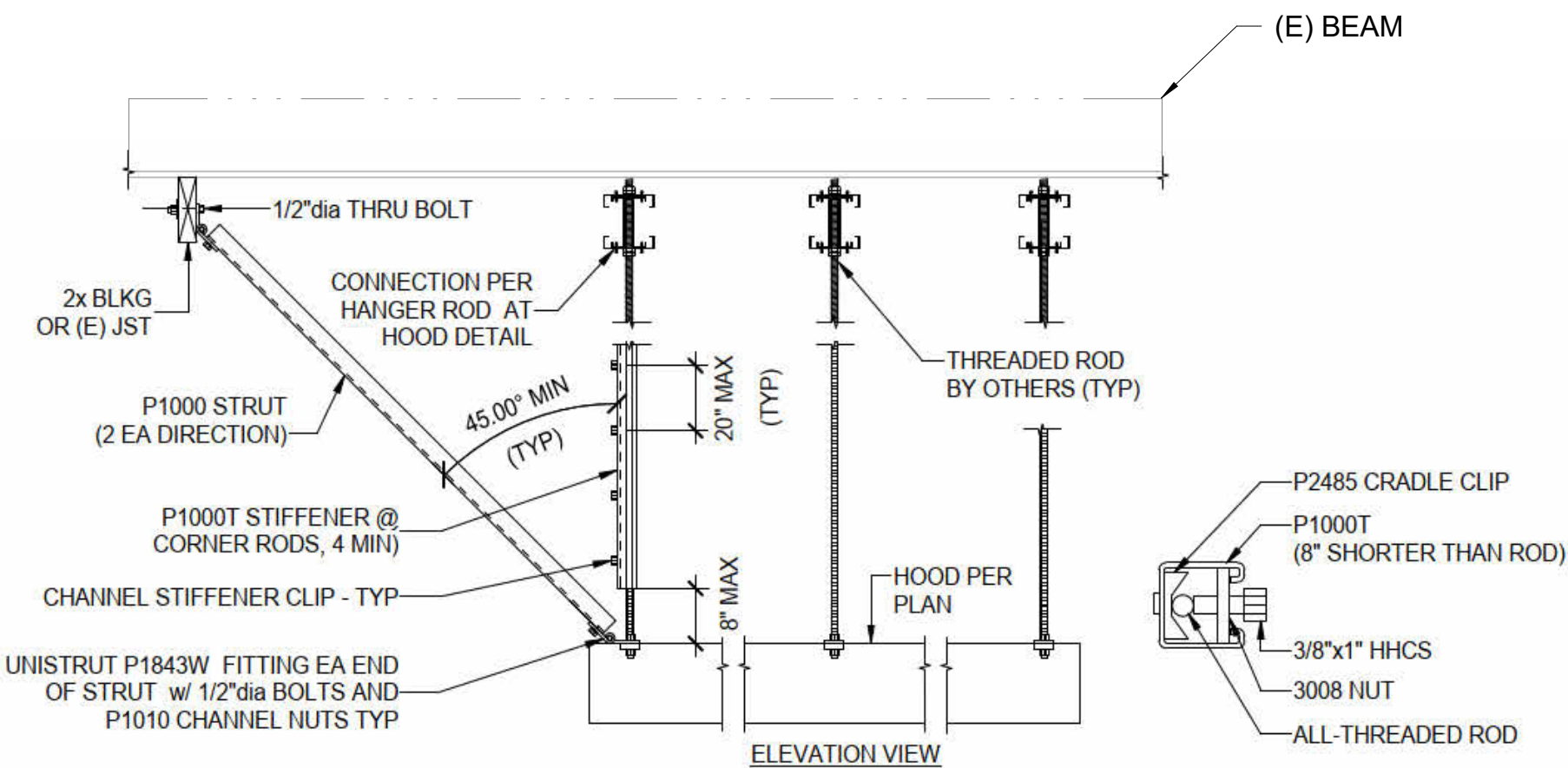
- SEE SHEET S-0 FOR GENERAL NOTES AND TYPICAL DETAILS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
- REFERENCE MECHANICAL DRAWINGS FOR EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SECTIONS, AND ELEVATIONS NOT SHOWN HEREON.
- ALL NEW AND EXISTING MECHANICAL EQUIPMENT MOUNTED TO OR HUNG FROM EXISTING ROOF FRAMING STRUCTURE THAT HAS BEEN ACCOUNTED FOR IN STRUCTURAL CAPACITY ANALYSIS IS SHOWN ON FRAMING PLAN. GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER OF RECORD IMMEDIATELY IF EQUIPMENT EXISTS THAT IS NOT SHOWN ON PLAN.

(E) BEAM SCHEDULE

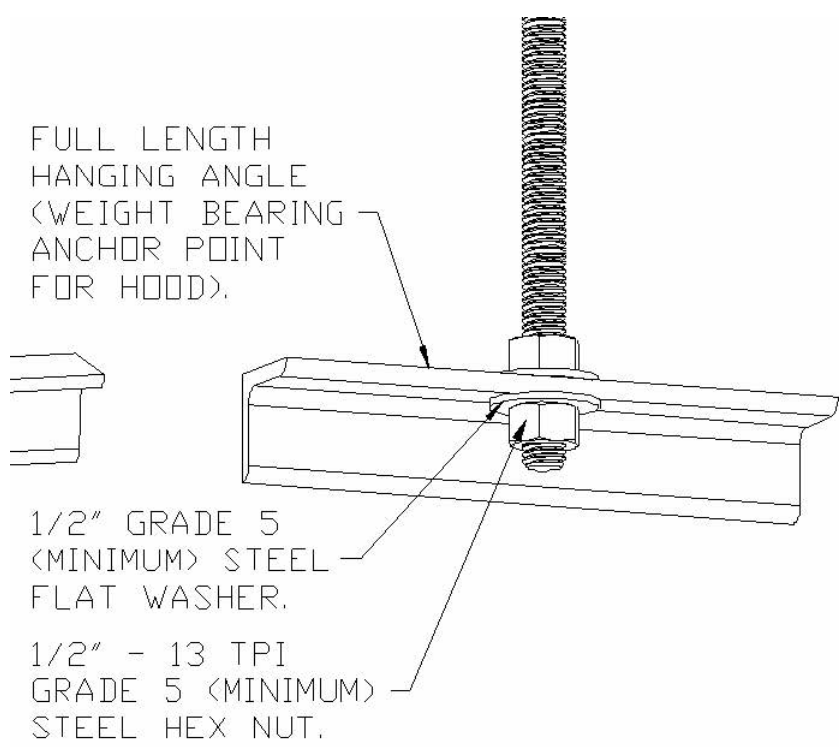
BEAM	DESCRIPTION
BM-1	EXISTING GLUE-LAM 5.25"x30" MAIN GIRDER
BM-2	EXISTING 4"x16" CROSS BEAM



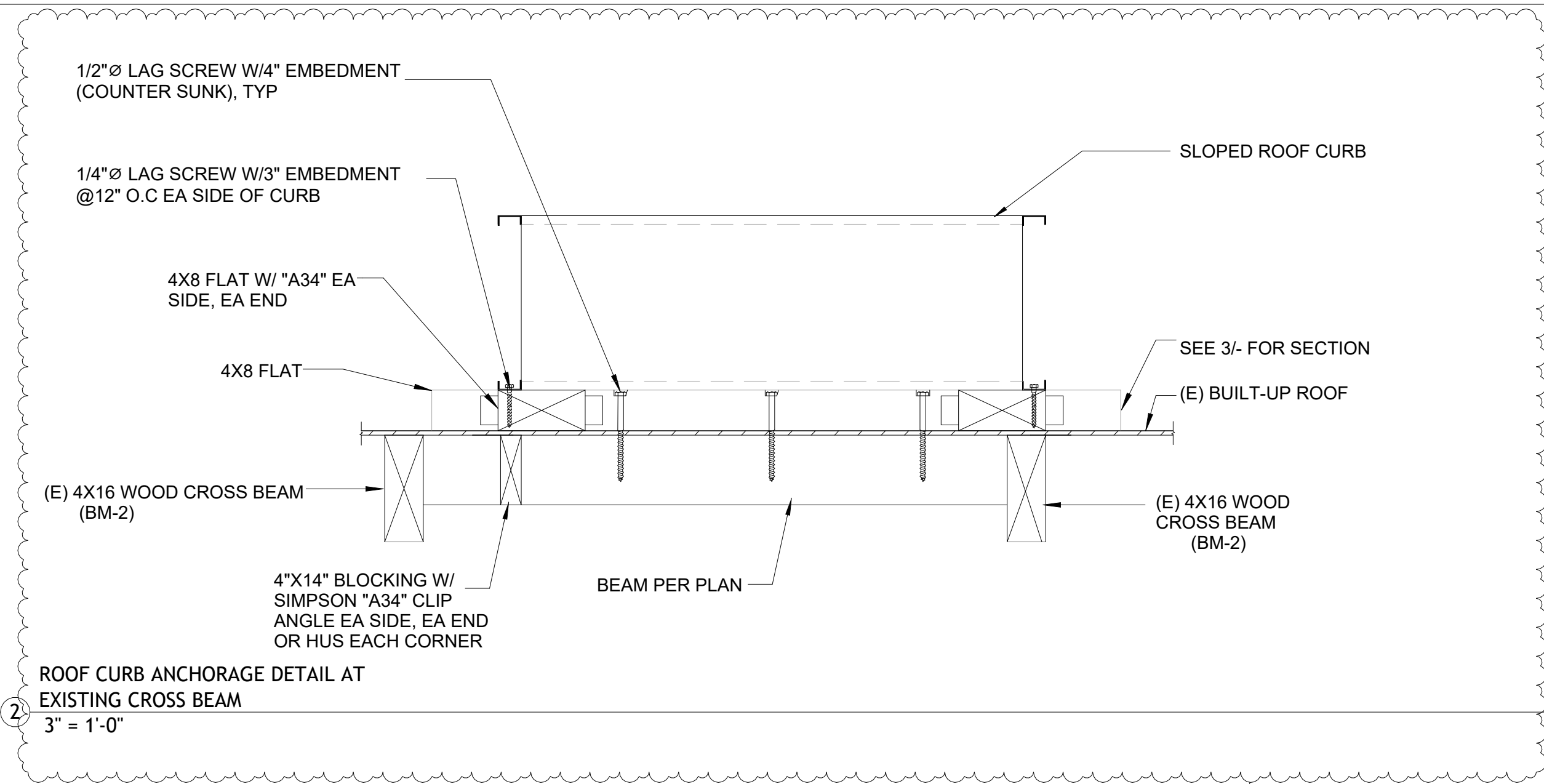
1 ROOF FRAMING PLAN
3/8" = 1'-0"



5 TYPICAL HOOD BRACING DETAIL
N.T.S.



1 ROD TO STEEL ANGLE ATTACHMENT
N.T.S.



2 ROOF CURB ANCHORAGE DETAIL AT
EXISTING CROSS BEAM
3' = 1'-0"