



OAKLAND:
1021 COTTON ST.
OAKLAND, CA 94606

SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

510-436-7000
WWW.RESTAURANTDESIGNCONCEPTS.COM

LAZYBIRD

930 CENTRAL AVE
ALAMEDA, CA 94501

HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY
ISSUE DESCRIPTION DATE

IT IS CLIENT'S RESPONSIBILITY TO
OBTAIN ALL PROPER PERMITS FOR
ANY REMODELING WORK. CLIENT MUST
COMPLY WITH CITY, COUNTY AND FEDERAL
REQUIREMENT



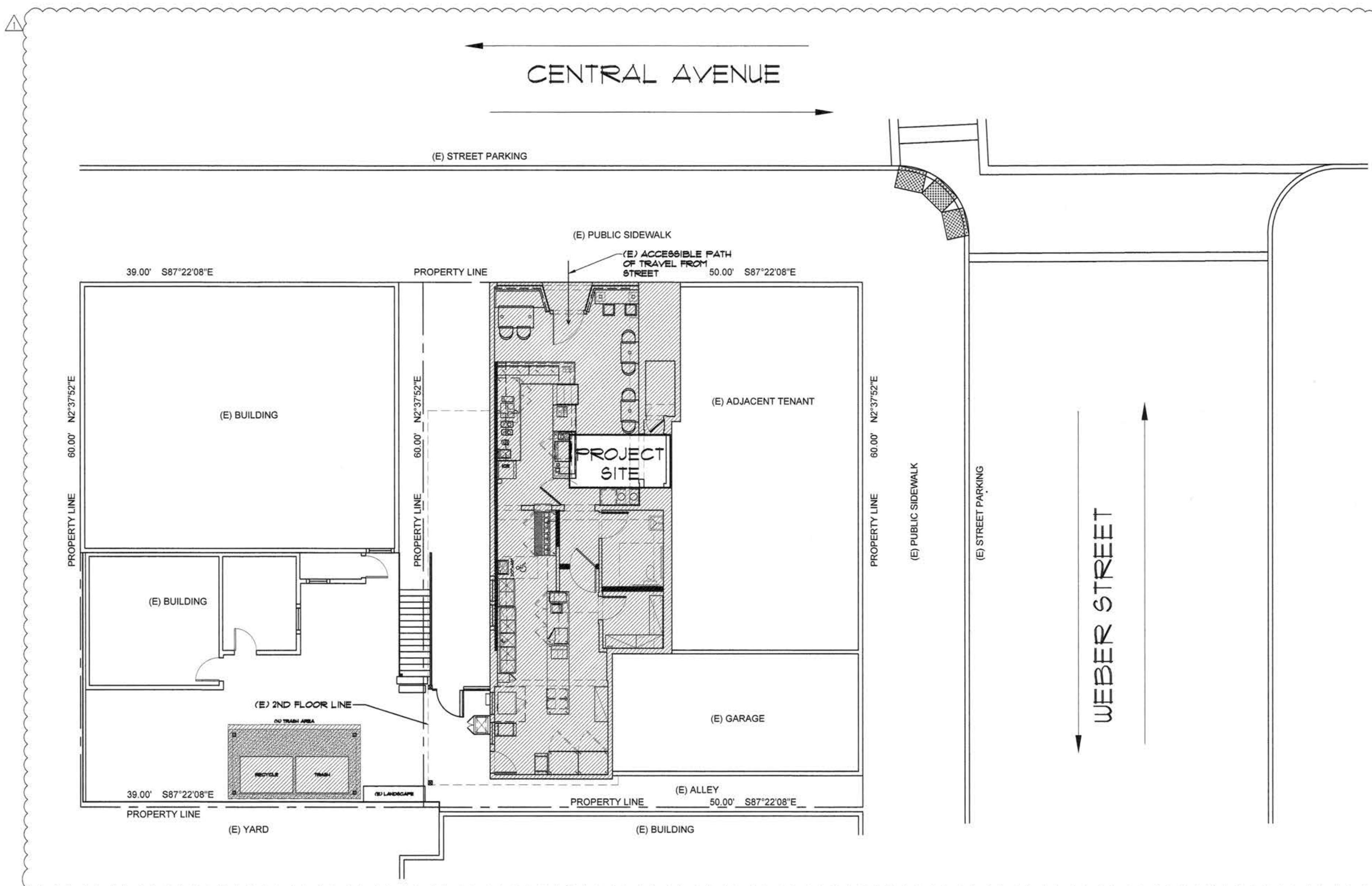
THESE DRAWINGS AND SPECIFICATIONS AND THE CONCEPTS ENCLOSED WITHIN THESE
COMPOSITIONS ARE THE PROPERTY OF RESTAURANT DESIGN CONCEPTS INC.
INC. (RDC) AND MAY NOT BE USED, DISCLOSED OR DUPLICATED WITHOUT WRITTEN
CONTRACT. RESTAURANT DESIGN CONCEPTS INC. WHETHER THE PROJECT FOR WHICH
THESE DRAWINGS AND SPECIFICATIONS IS EXECUTED OR NOT, UNLESS OTHERWISE AGREED UPON BY
WRITTEN CONTRACT.

DATE: January 11 2021

DRAWN BY: JP CHECK: JY
Job No: 201104 Scale: N/A

TITLE: SITE PLAN

SHEET: KO.1



SITE PLAN

N
SCALE: N.T.S.

SHEET: KO.1

GENERAL DEMOLITION NOTES

1) G.C. SHALL INSPECT ALL WALLS OR PORTIONS OF WALLS, COLUMNS, BEAMS OR CEILINGS THAT ARE BEING REMOVED TO DETERMINE IF THESE ELEMENTS BEING REMOVED ARE PROVIDING SUPPORT TO ANY CEILINGS, FLOORS, ROOFS OR OTHER ELEMENTS. UPON INSPECTION, IF SUCH REMOVAL MAY CAUSE COLLAPSE OR MAY CREATE A POTENTIALLY UNSAFE CONDITION, THE DEMOLITION IS TO BE HALTED AND THE UNSAFE CONDITION(S) IS TO BE IMMEDIATELY REPORTED TO THE DESIGNER.

2) UPON REMOVAL OF EXISTING FINISH FROM WALLS THAT ARE BEING REMOVED, THE G.C. SHALL INSPECT FOR ANY EXISTING BEAMS, POSTS, CROSS-BRACING OR PLYWOOD ON OR WITHIN ANY PORTION OF THE WALL. SHOULD THERE BE ANY SUCH ELEMENTS, THE G.C. SHALL HALT THE DEMOLITION AND IMMEDIATELY REPORT THE CONDITION(S) TO THE DESIGNER.

3) ALL EXISTING FIREPROOFING SHALL BE PROTECTED FROM DAMAGE OR REMOVAL IN THE COURSE OF THE WORK. IN THE EVENT OF ANY DAMAGE OR REMOVAL, CONTRACTOR SHALL REPLACE BY IN-KIND PROTECTION. ANY NEW FURRING OVER EXISTING FIRE PROTECTED ELEMENTS SHALL NOT CAUSE REMOVAL OF, OR DAMAGE TO, THE FIRE PROTECTION

4) THE ABOVE NOTES ALSO APPLICABLE TO NEW
DOOR, WINDOW AND PASS-THRU OPENINGS SHOWN IN
THE NEW WORK.

5) GENERAL CONTRACTOR SHALL INSURE THAT THE CONCRETE FLOOR IS SMOOTH AND LEVEL TO RECEIVE NEW FLOORING MATERIAL AFTER DEMOLITION IS COMPLETE. THERE SHALL BE NO SLOPES GREATER THAN 1/8" PER FOOT THAT IS NOT CONSISTENT WITH PROPOSED FLOOR SLOPES INDICATED IN THESE DRAWINGS. THIS WORK SHALL BE INCLUDED IN CONTRACTORS BID.

**6) CLEAN AND PREPARE ALL EXISTING SURFACES TO
RECEIVE NEW WORK**

7) PROTECT ALL EXISTING FINISHES TO REMAIN DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL EXISTING SURFACES, MATERIALS, OR FINISHES TO REMAIN THAT BECOME DAMAGED DURING DEMOLITION AND/OR CONSTRUCTION.

8) CONTRACTOR SHALL TEMPORARILY REMOVE AND STORE ALL FREE STANDING EXISTING KITCHEN APPLIANCES. PROVIDE PROTECTED STORAGE TO PREVENT DAMAGE.

9) THE PERMANENT HYAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING OR AREAS OF ADDITION OR ALTERATION WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HYAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30 PERCENT BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR, IF THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.

10) AT THE TIME OF ROUGH INSTALLATION OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING 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 OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.

DEMOLITION LEGEND

<hr/> <hr/>	EXISTING ELEMENTS TO BE REMOVED
<hr/> <hr/>	EXISTING ELEMENTS TO REMAIN

The logo consists of the words "PROJECT NORTH" stacked vertically, with a large, bold, italicized "N" below them. A circle is divided into four quadrants by a cross, with the top-right quadrant shaded.

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DATE: January 11 2021
DRAWN BY: JP CHECK: JT

DEMOLITION PLAN

SHEET: 10

DEMOLITION PLAN

SCALE 1/4" = 1'-0"



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22.5° TO BILL
45°, +1", + TO THE SOFFIT

DEMOS (E) FLOOR & PREPARE SUBFLOOR TO RECEIVE (N) FLOORING THROUGHOUT

(E) SOFFIT TO REMAIN

DEMOS PORTION OF (E) WALL.

3'-1" 1'-5" 2'-0"

RELOCATE (E) SUB PANEL. SEE SHEET ELECT. K2.0 & K3.0 FOR (N) LOCATION

5'-2"

6'-5 1/2"

(E) SOFFIT TO REMAIN

DEMOS (E) DOOR

DEMOS (E) DOOR

DEMOS (E) DOOR

DEMOS (E) DOOR

DEMOS (E) RAISED STEPS & PLATFORM INCLUDING ALL PLUMBING. CAP ALL PLUMBING AS REQUIRED. PREPARE (E) SUBFLOOR TO RECEIVE (N) FLOORING

DEMOS PORTION OF (E) EXTERIOR WALL

DEMOS (E) CONCRETE STEP

DN

3'-0"

DEMOS EXISTING RESTROOM:
- DEMOS FLOOR, WALLS & CEILING
- DEMOS ALL MILLWORK
- DEMOS ALL PLUMBING FIXTURES & CAP ALL PLUMBING

DEMOS (E) DOOR

GENERAL PARTITION NOTES

1) GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL DOOR HARDWARE TO MEET CBC 2019 SECTION 1010. G.C. TO PROVIDE DOOR CLOSER FORCE 5 LBS FOR EXTERIOR DOOR, 5 LBS FOR INTERIOR DOORS, AND 15 LBS FOR FIRE DOORS.

2) GENERAL CONTRACTOR TO PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT ALL ENTRANCES.

3) THE CONSTRUCTION SHALL COMPLY WITH THE CURRENT CALIFORNIA BUILDING STANDARDS CODES.

4) GENERAL CONTRACTOR TO PROVIDE AND INSTALL ACCESSIBLE SYMBOL ON ADJACENT WALL TO MAIN ENTRANCE DOOR AT THE REQUIRED HEIGHT AND POST SIGN TO READ: "THIS DOOR MUST REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

5) ALL EXISTING TEMPERED SAFETY GLASS STORE FRONT AND DOORS TO REMAIN. UNLESS OTHERWISE NOTED, ALL NEW DOORS SUPPLIED AND INSTALLED BY G.C.

6) ALL DIMENSIONS ARE TO FACE OF STUD U.O.N.

7) G.C. TO VERIFY THAT ALL ASSUMED CODE COMPLIANT (E) CONDITIONS ARE PER CURRENT CODES AND REGULATIONS AND NOTIFY THE ARCHITECT IMMEDIATELY IF DISCOVERED OTHERWISE.

8) G.C. TO PROVIDE ALL BRACKETS FOR SUBTOPS BY OTHERS.

9) G.C. TO PROVIDE ALL BLOCKING FOR ALL MILLWORK BY OTHERS.

10) ALL INFORMATION RELATING TO EXISTING CONSTRUCTION IS GIVEN TO BEING THE BEST AVAILABLE INFORMATION. THE GENERAL CONTRACTOR SHALL VERIFY AND EXAMINE EXISTING CONDITIONS AT THE BUILDING SITE. INCONSISTENCIES WHICH OCCUR IN DRAWINGS AND/OR GENERAL NOTES SHALL BE BROUGHT TO THE ATTENTION OF RDC BEFORE PROCEEDING WITH THE WORK.

11) THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF THE DRAWINGS AND SHALL NOTIFY RDC OF ANY DISCREPANCIES PRIOR TO STARTING WORK.

12) CLOSING SPEED FOR DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED TO 5 SECONDS MIN. FROM AN OPEN POSITION OF 30 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH. CLOSING SPEED FOR DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED TO 15 SECONDS MIN FROM THE OPEN POSITION OF 10 DEGREES TO THE CLOSED POSITION.

13) G.C. TO VERIFY WITH OWNER IF EXISTING WALL CONDITIONS ARE ACCEPTABLE TO REMAIN.

14) G.C. TO MAKE SURE CONCRETE SUB FLOOR UNDER WALK-IN BOXES ARE LEVELED

15) IF CLIENT IS MOVING INTO AN EXISTING BUILDING, IT IS CLIENT'S AND CLIENT'S STRUCTURAL ENGINEER'S RESPONSIBILITY TO ENSURE EXISTING BUILDING IS STRUCTURALLY SOUND AND MEETS ALL CODES REQUIREMENTS

PARTITION LEGEND

=====	EXISTING WALL TO REMAIN
=====	NEW FULL HEIGHT PARTITION
=====	NEW LOW WALL

DOOR SCHEDULE

DOOR	QTY.	DESCRIPTION
(A)	1 EA	EXISTING MAIN EGRESS DOOR TO REMAIN. GLAZED. SOLID WOOD WITH WOOD FRAME. 36" W X 84" H X 1 1/2" THICK.
(B)	1 EA	NEW RESTROOM DOOR 36" W X 80" H X 1 1/2" THICK. SOLID WOOD DOOR WITH WOOD FRAME. PAINT PER ELEVATIONS. SEE ADA SIGNAGE REQUIREMENTS 142/K2.0
(C)	1 EA	NEW 36" W X 80" H X 1 1/2" THICK. WOOD DOOR WITH WOOD FRAME. PAINT PER ELEVATIONS
(D)	1 EA	NEW 36" W X 84" H, MTL. DOOR, DOUBLE SWING, W/ MTL. FRAME. 18" MTL. BASE PLATE. 9" x 14" WINDOW. ELIASON SCP-3. METAL FINISH LAM AND COMPLETE WITH ALL NECESSARY HARDWARE.
(E)	1 EA	NEW BACK DOOR. SOLID WOOD DOOR WITH WOOD FRAME. 36" W X 84" H X 1 1/2" THICK. PAINT DOOR & TRIM TO MATCH (E)/PAINT PER ELEVATIONS. SEE DETAIL 3/K2.2



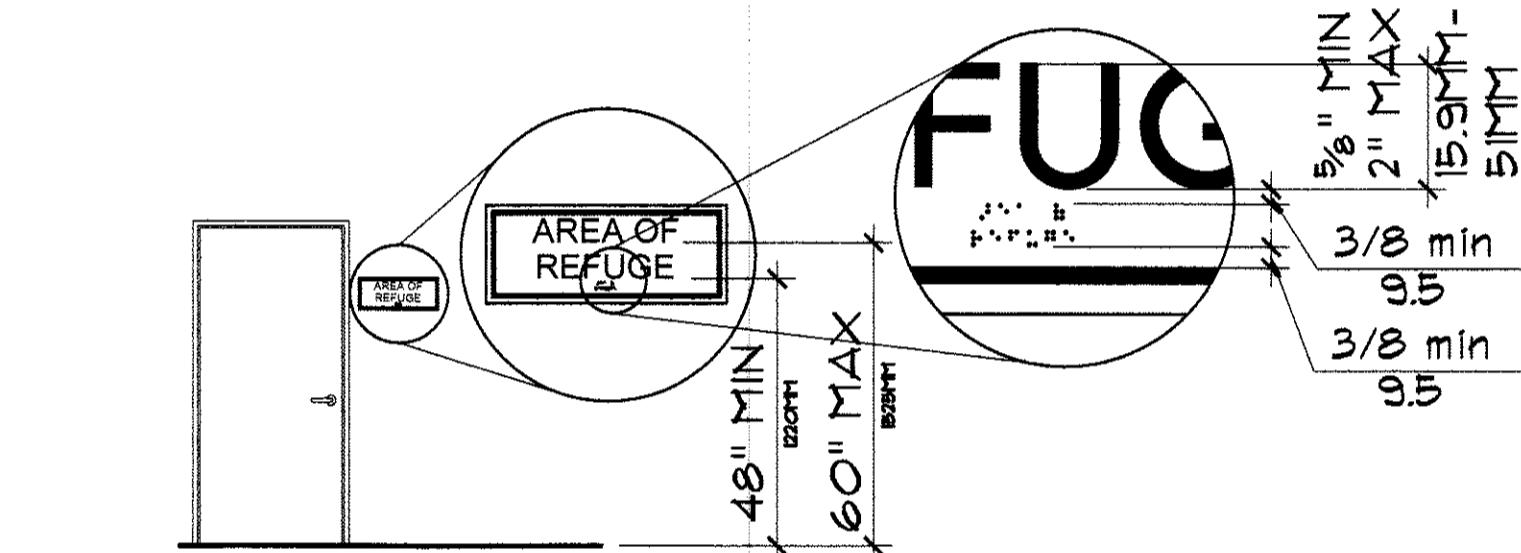
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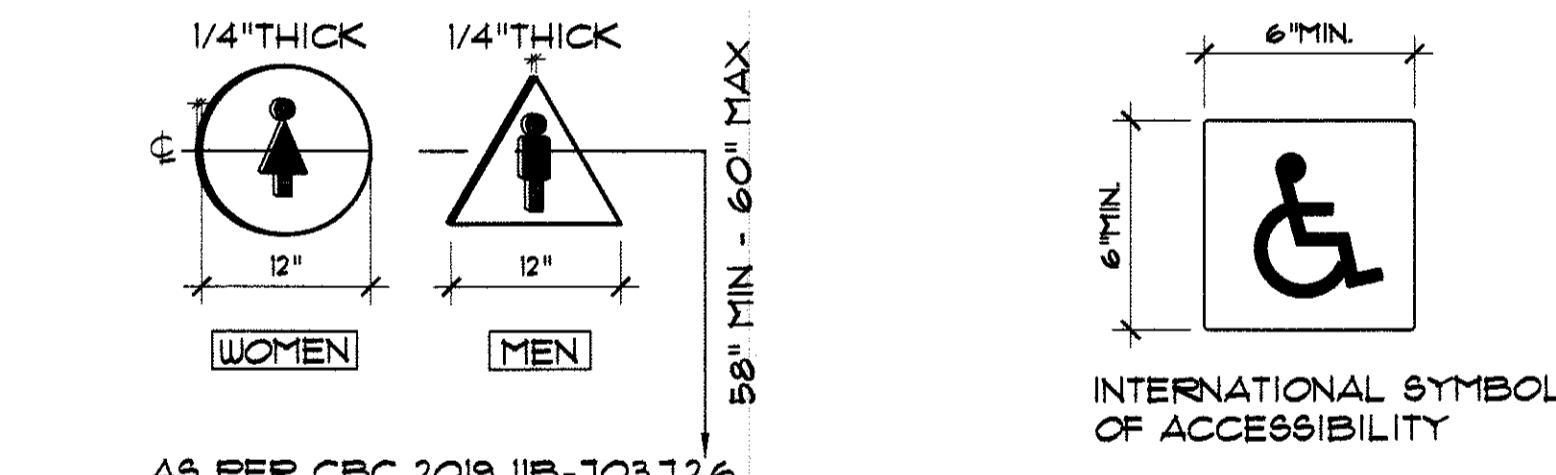
HARDWARE SCHEDULE

(1)	10" KICK PLATE, KEY ENTRY LOCK THAT INDICATES WHEN IN LOCKED POSITION, AND SELF CLOSER PUSH/PULL HARDWARE. G.C. TO PROVIDE SIGNAGE PER NOTE 4.5 LBS. MAX TO OPEN DOOR
(2)	10" KICKPLATE, SELF CLOSER, KEYED ADA APPROVED LEVER LATCH W/ STANDARD HINGES LEVERS BOTH SIDES THUMB TURN LOCK ON INTERIOR SIDE THAT INDICATES "OCCUPIED" WHEN LOCKED. 5 LBS MAX TO OPEN DOOR
(3)	10" KICK PLATE, KEY ENTRY LOCK THAT INDICATES WHEN IN LOCKED POSITION, AND SELF CLOSER PUSH/PULL HARDWARE. G.C. TO PROVIDE SIGNAGE PER NOTE 4.5 LBS. MAX TO OPEN DOOR
(4)	NEW ADA LEVER WITH SELF CLOSER, LATCH & KEY ENTRY LOCK. NEW 10" KICKPLATE, 5LBS MAX TO OPEN.



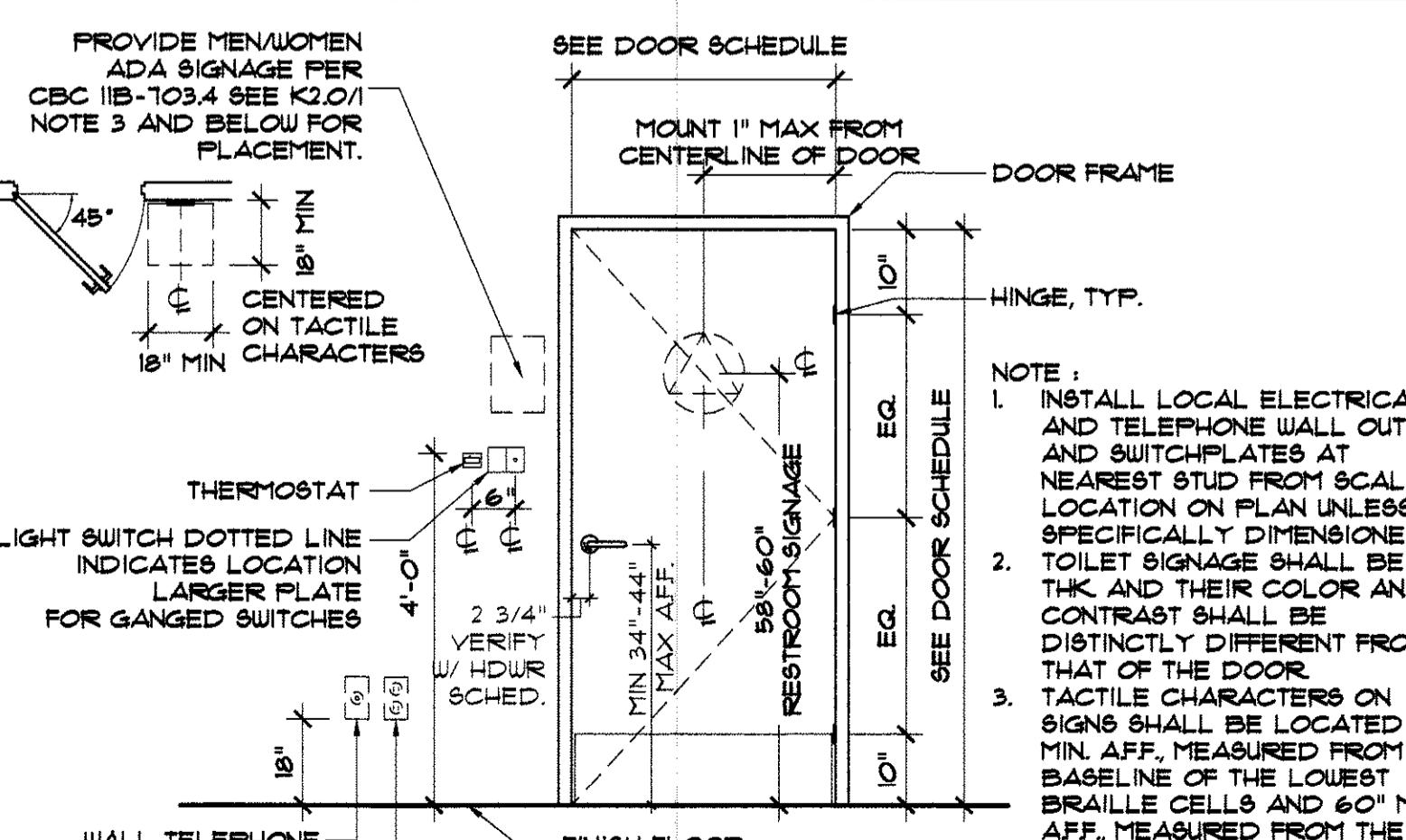
3 TACTILE SIGN - DETAILS

SEE 142/K2.0 FOR SIGNAGE LOCATIONS AND CBC N.T.S.
IIB-103.3 FOR BRAILLE REQ.



2 RESTROOM SIGNAGE & ADA SIGNAGE

AS PER CBC IIB DIV 1



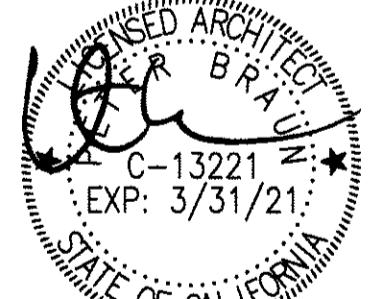
1 TYPICAL MOUNTING HEIGHTS

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DRAWN BY: JP CHECK: JT

JOB NO: 201104 SCALE: 1/4"=1'-0"

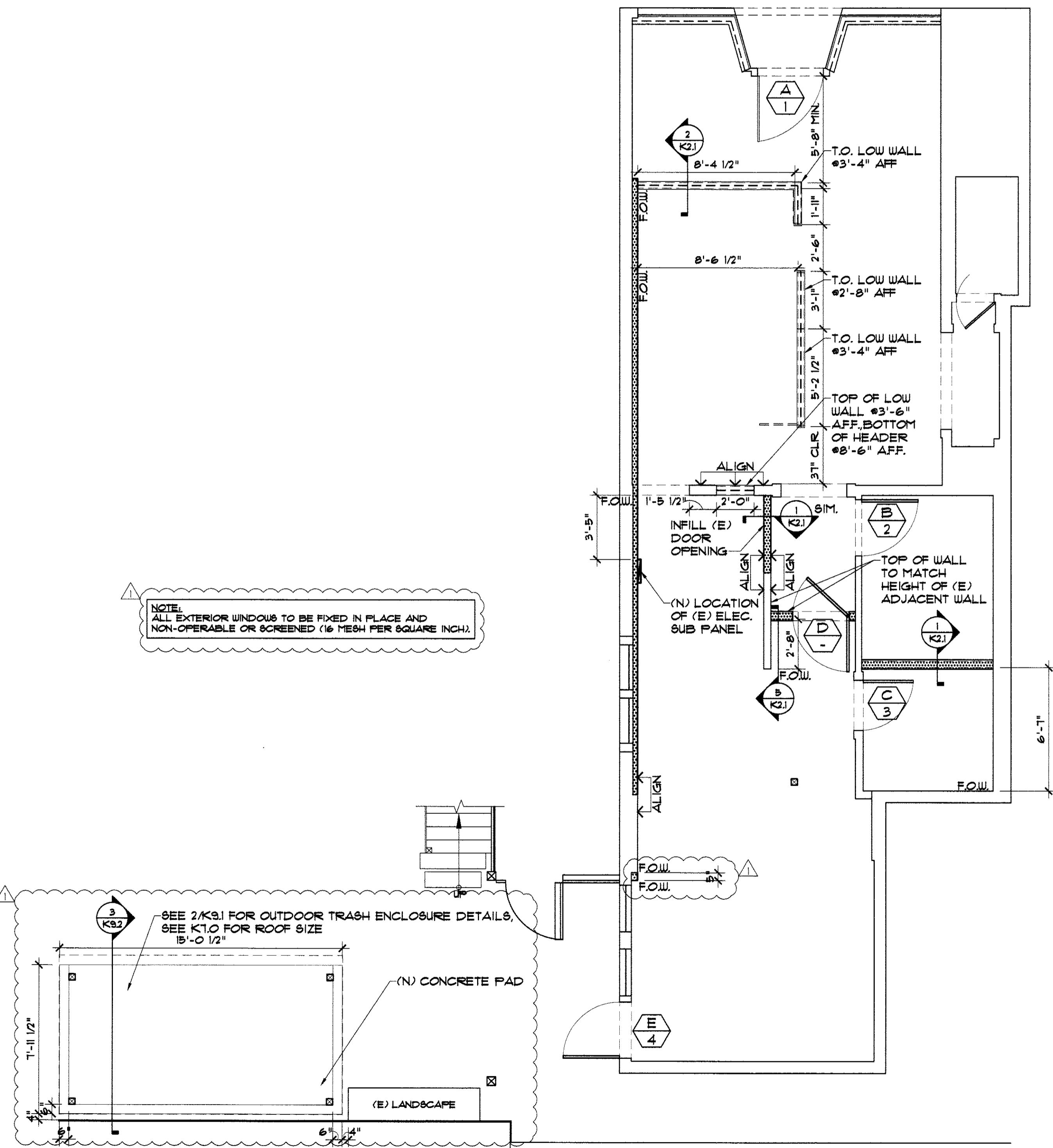


PARTITION PLAN

TITLE:

K2.0

SHEET:



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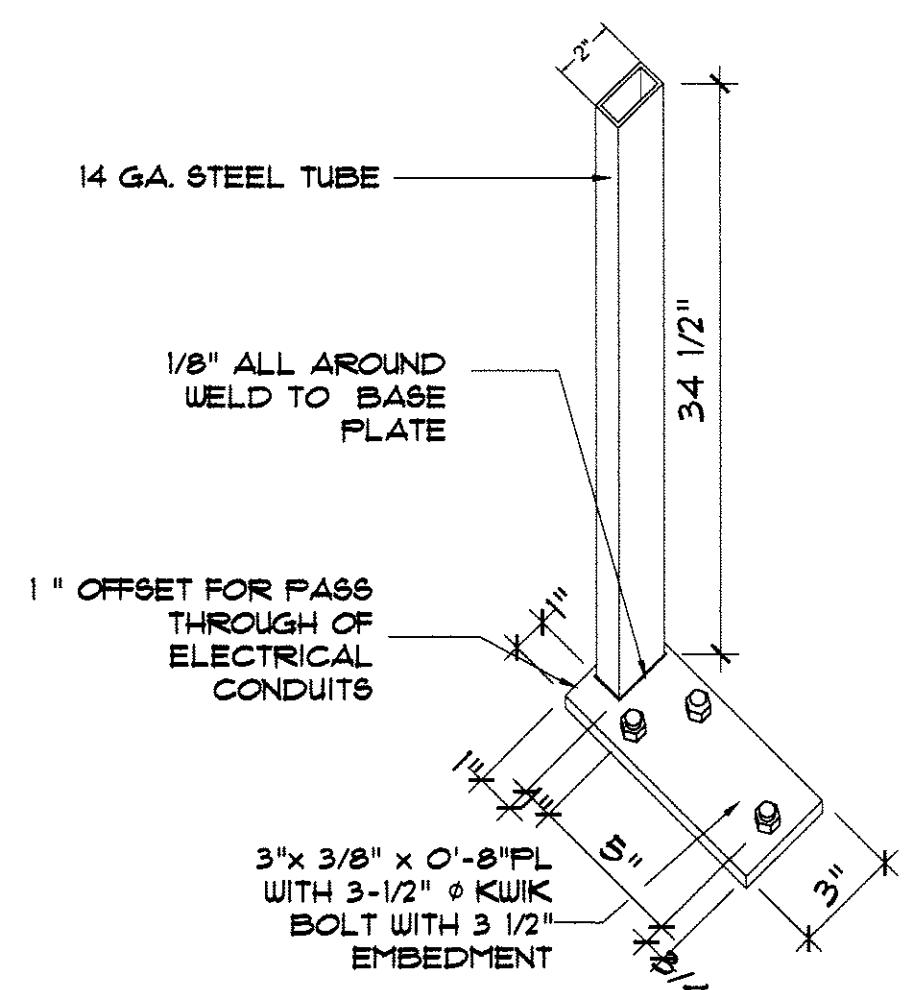
 PROJECT
NORTH
N
C-13221
EXP: 3/31/21
STATE OF CALIFORNIA

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JOB NO: 201104 SCALE: PER DETAIL

**PARTITION
DETAILS**

SHEET: K2.1

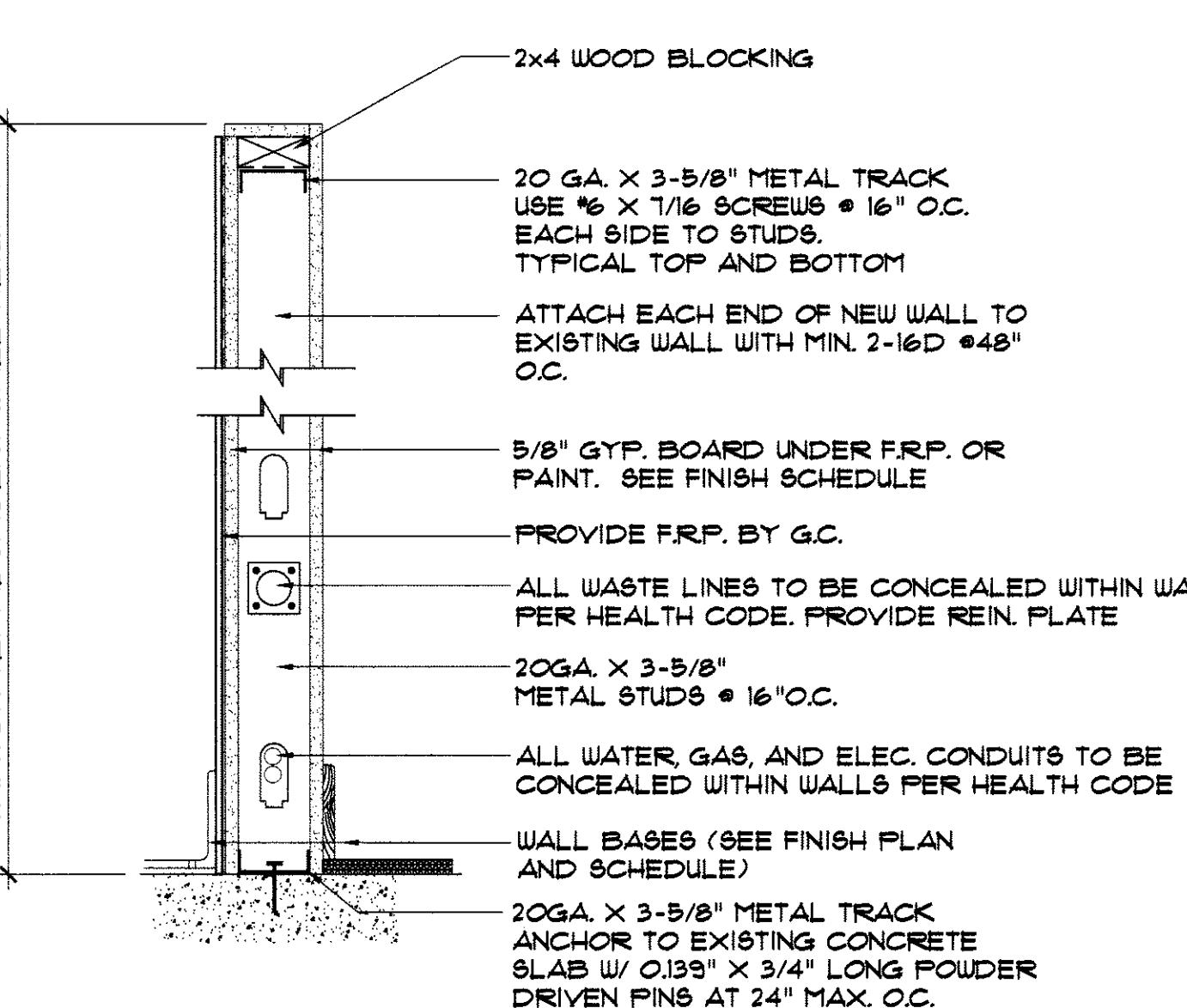

 NOFLEX
HUNTINGTON BEACH, CA 92646 TEL :
800-720-1934

APPLICATIONS:
USE NOFLEX FOR REINFORCING VARIOUS
HEIGHTS OF FREE STANDING LOU WALLS.
NOFLEX CAN BE USED ON LOU WALLS
RANGING IN HEIGHT FROM 3'-0", 4'-0",
5'-0" AND 6'-0". ALSO USED FOR
REINFORCING AT DOOR JAMBS AND
DOOR STRIKERS. NOFLEX CAN BE USED
ON CONCRETE FLOORS AND WOOD
FLOORS WITH PROPER BLOCKING.

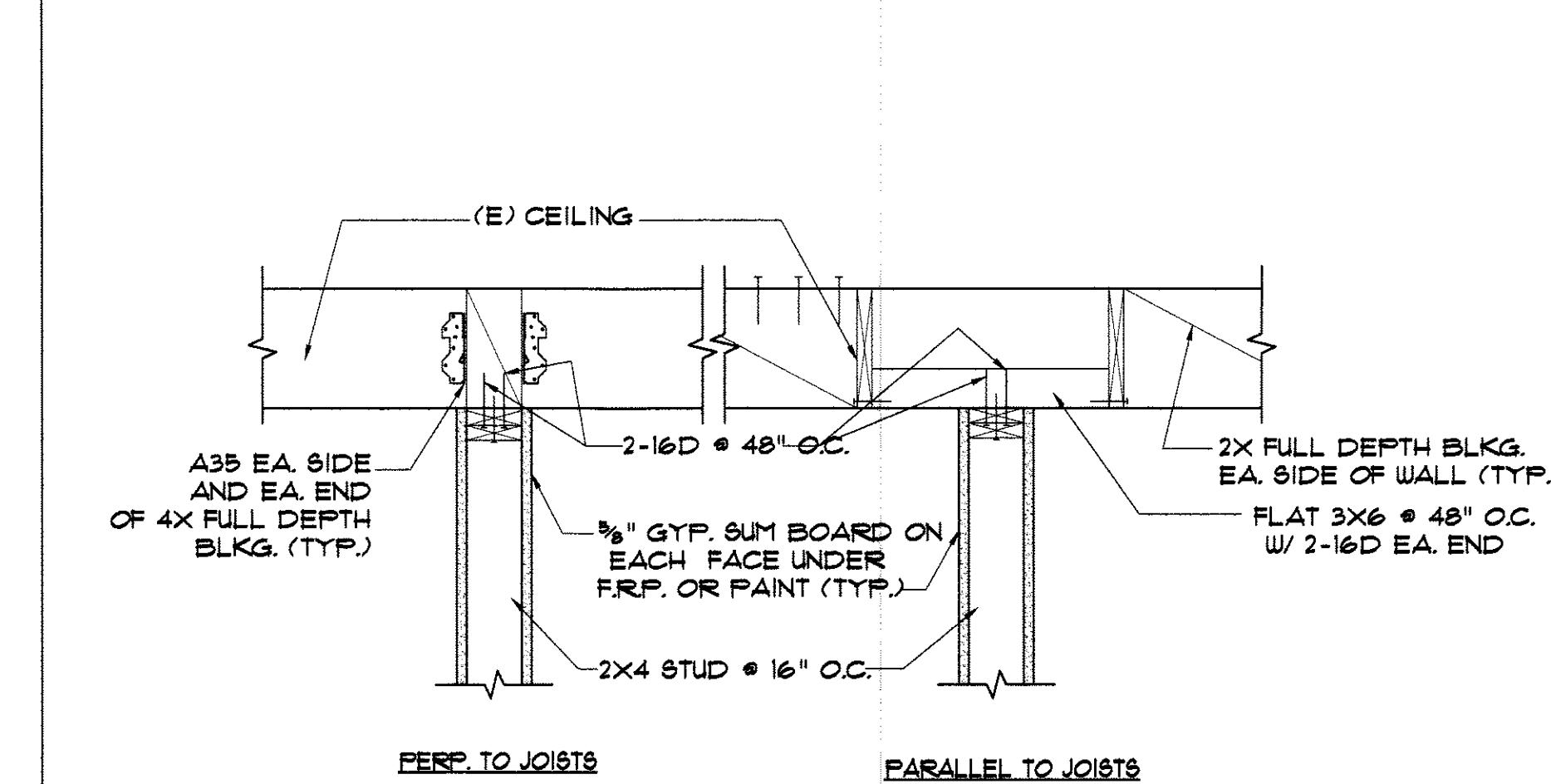
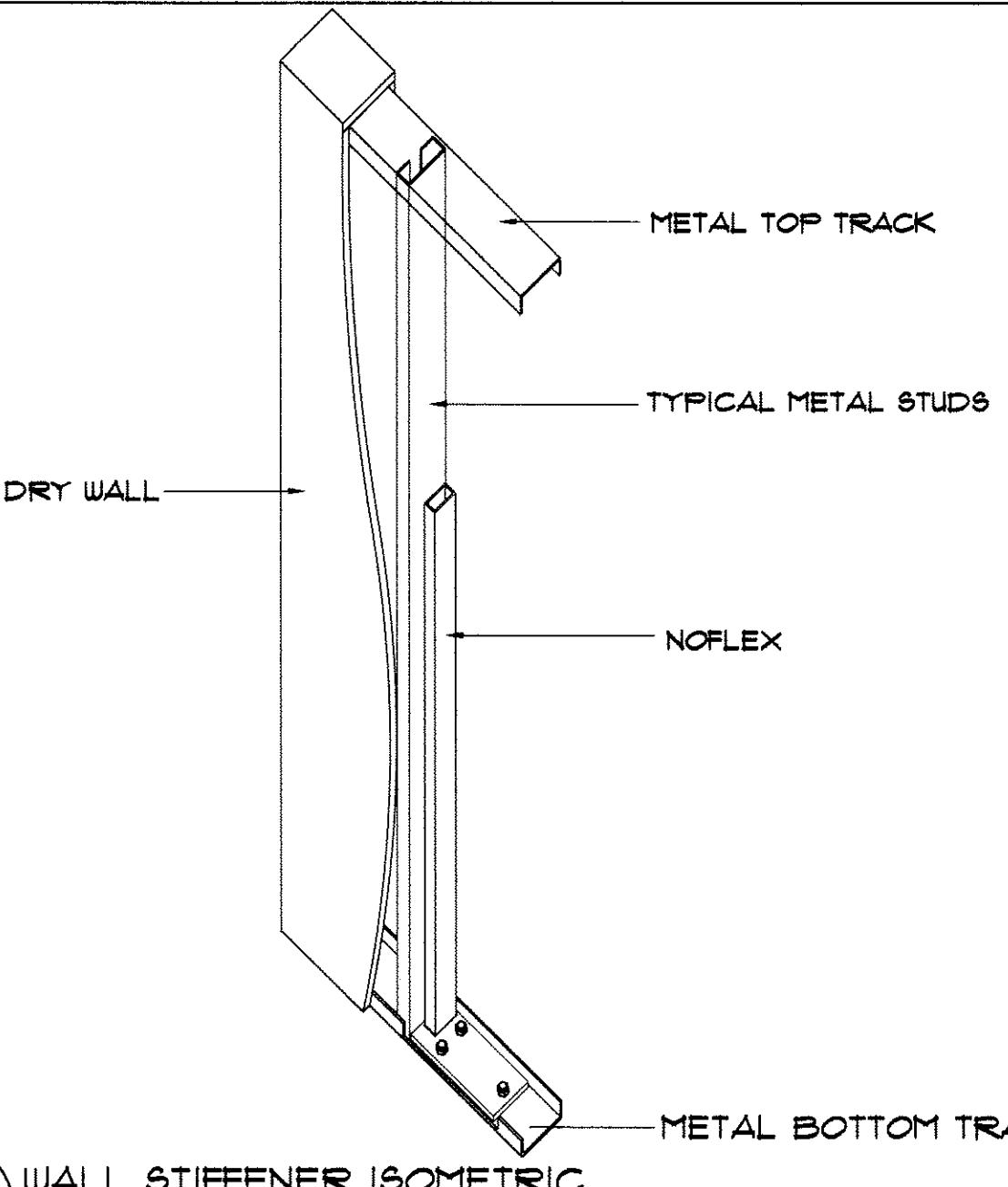
NOTES:
NOFLEX TO BE USED IN COMMERCIAL OR
RESIDENTIAL FOR LOU HEIGHT WALLS OR
PARTITIONS TO SEPARATE ROOMS OR
WORK SPACES.

9 NOFLEX WALL STIFFENER

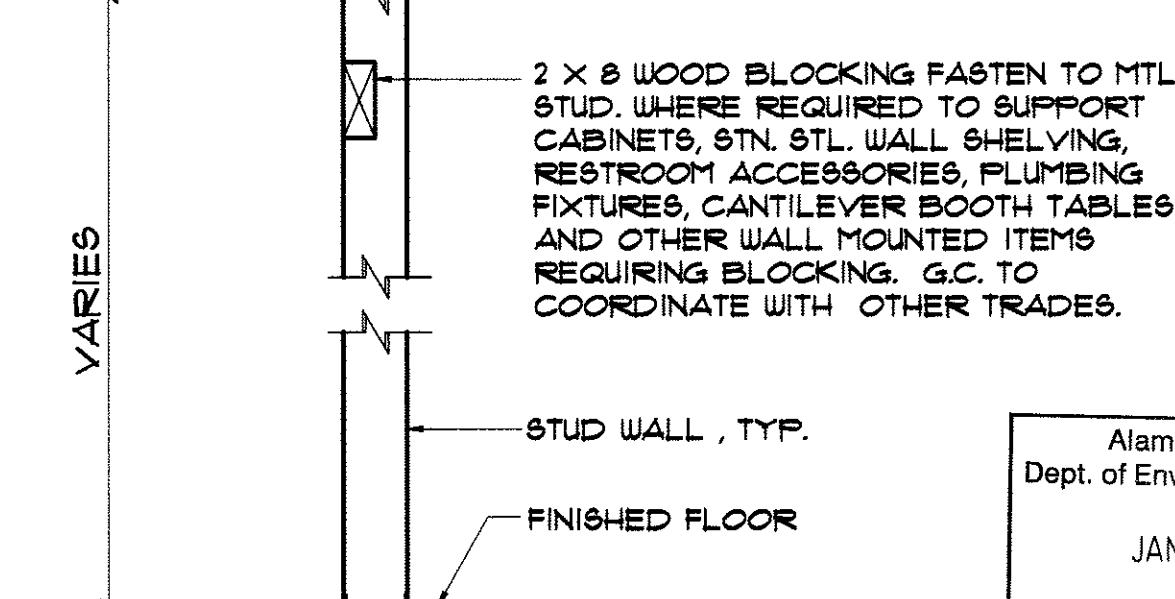
N.T.S.


5 NEW MTL STUD MEDIUM HT. WALL
WHERE OCCURS

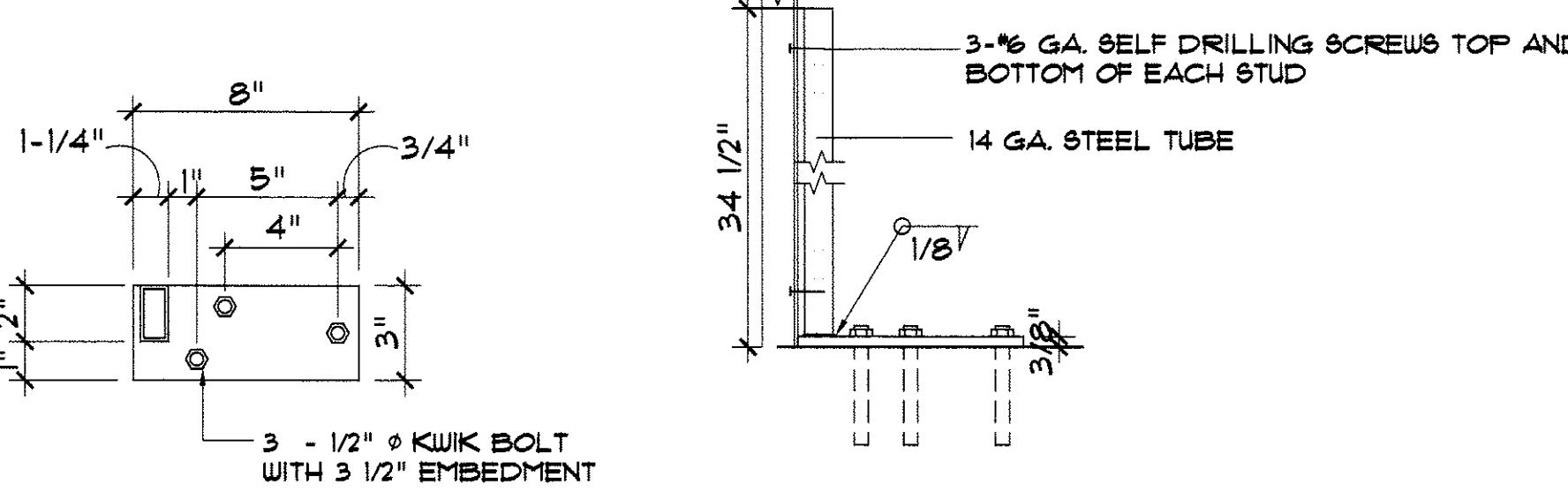
SCALE 1 1/2" = 1'-0"


3 TOP NON-STRUCTURAL WALL CONNECTIONS

8 WALL STIFFENER ISOMETRIC

N.T.S.

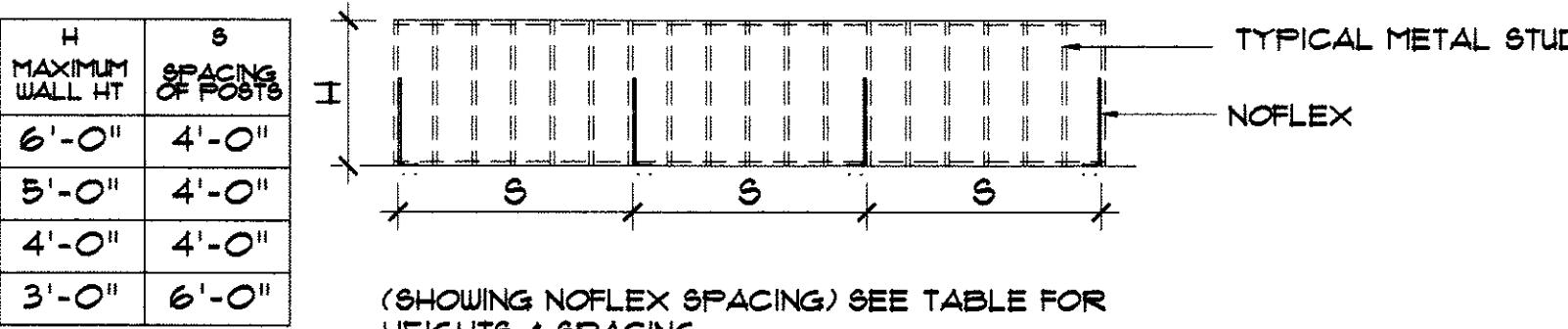

4 TYPICAL BLOCKING

N.T.S.



PLAN

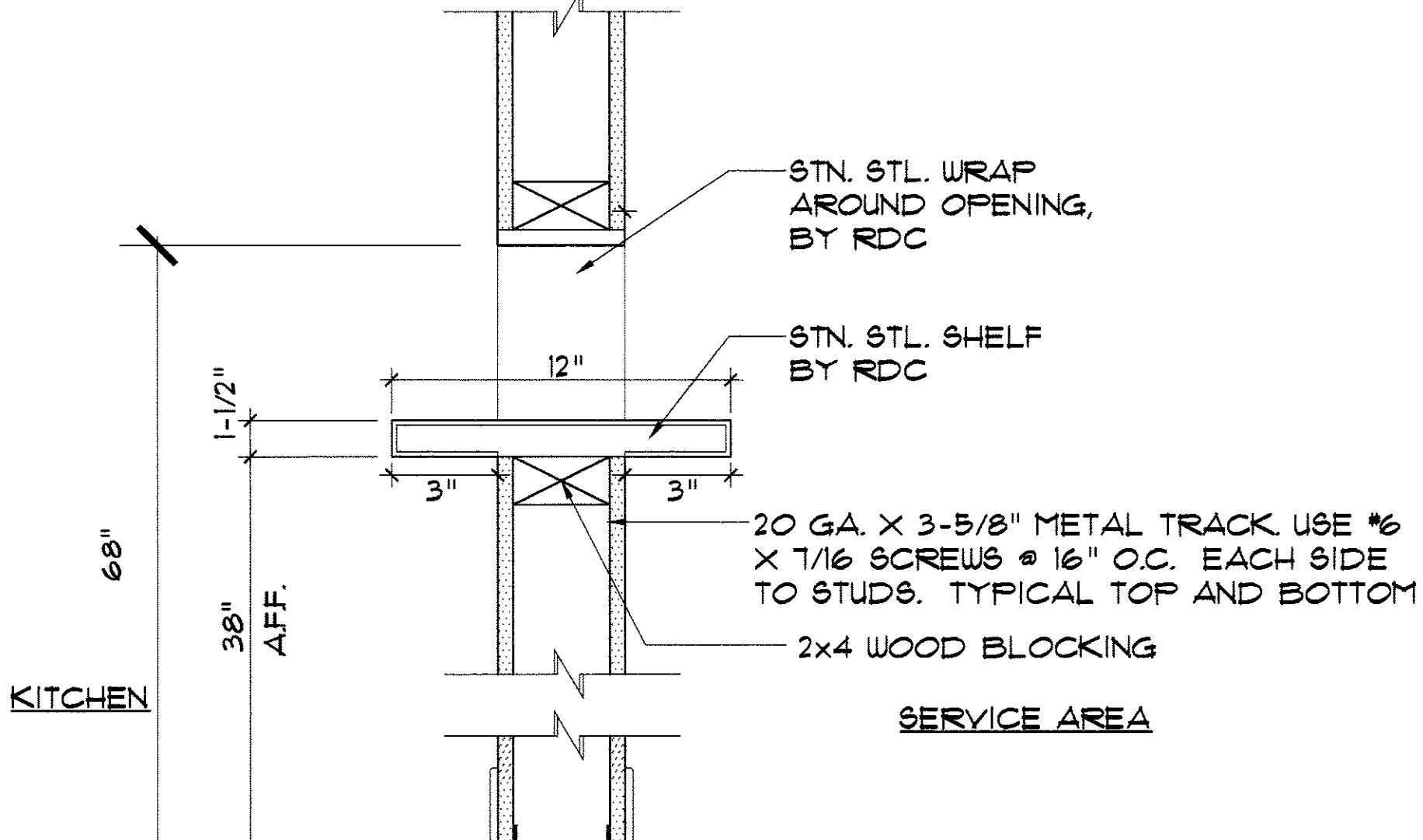
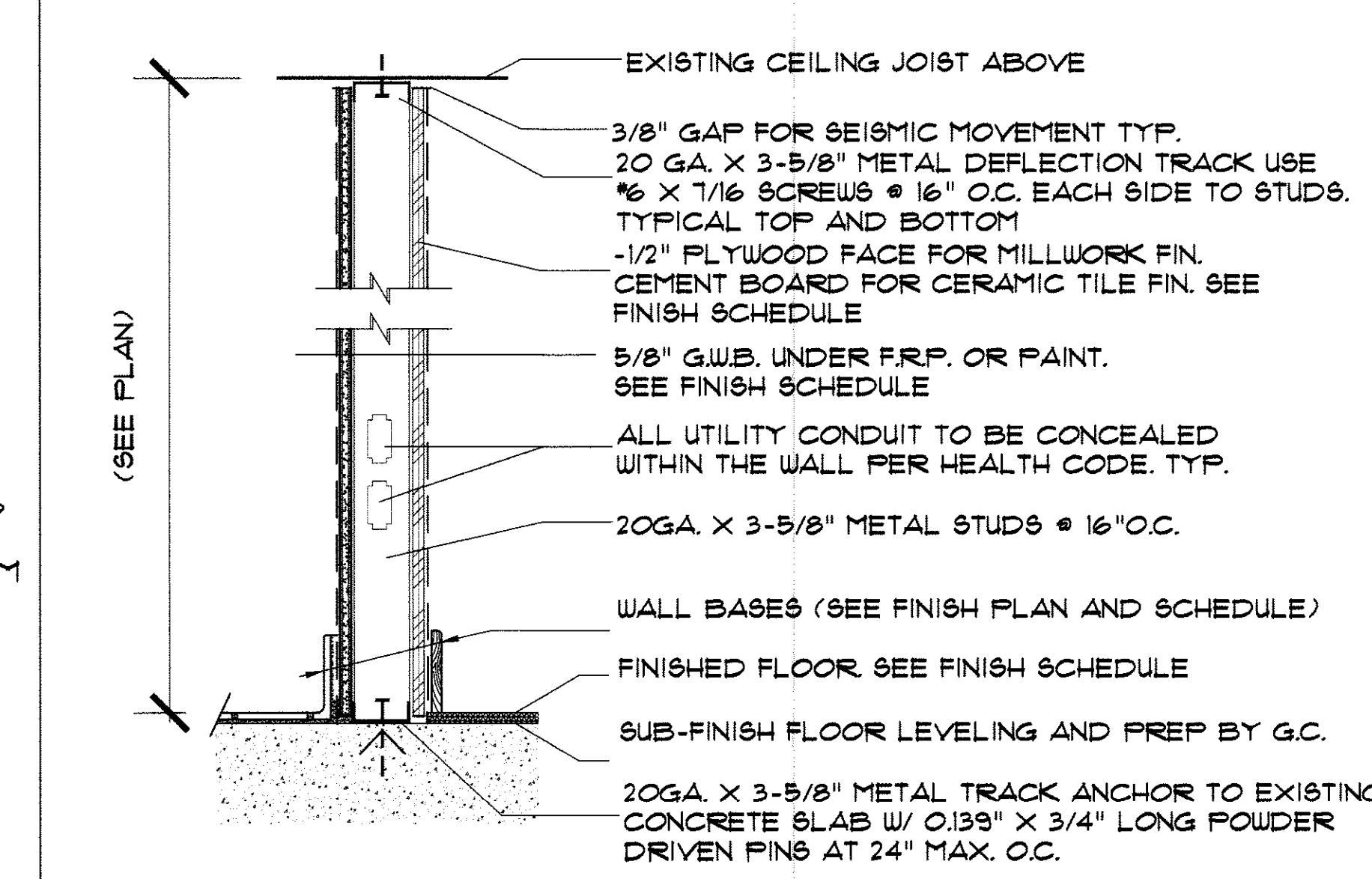
ELEVATION



ELEVATION

7 NOFLEX WALL STIFFENER

SCALE 1/4" = 1'-0"


3 SILL AT PASS-THRU

1 FULL HEIGHT NON-BEARING WALLS

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



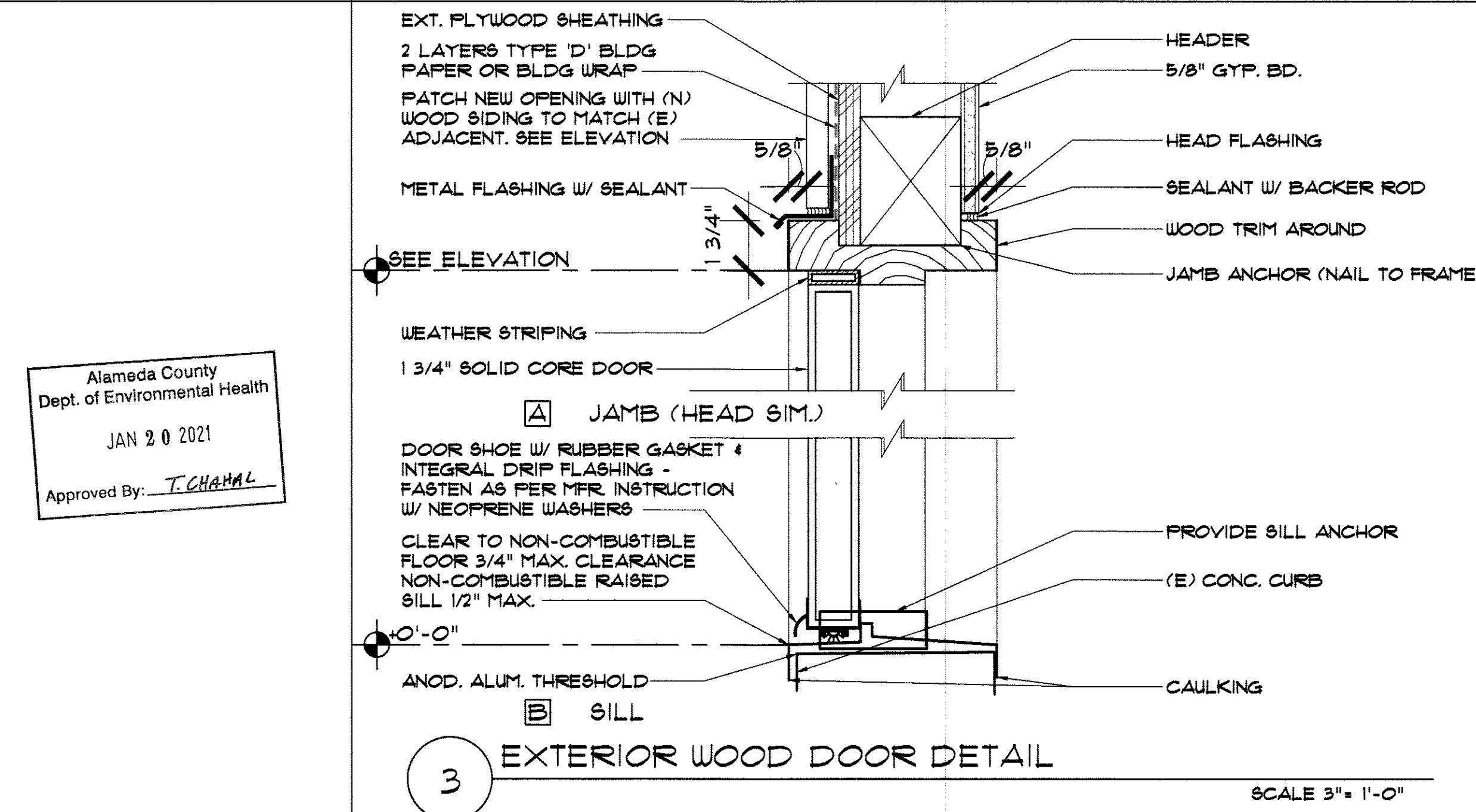
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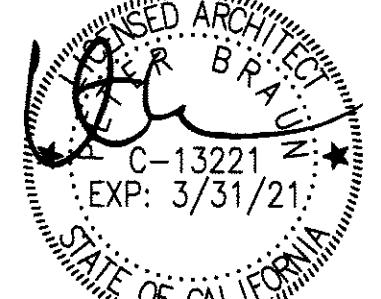
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ALAMEDA, CA 94501



Alameda County
Dept. of Environmental Health
JAN 20 2021
Approved By: T. CHAMAL

△HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY
ISSUE DESCRIPTION DATE

PROJECT
NORTH
N
C-13221
EXPIRED: 3/31/21

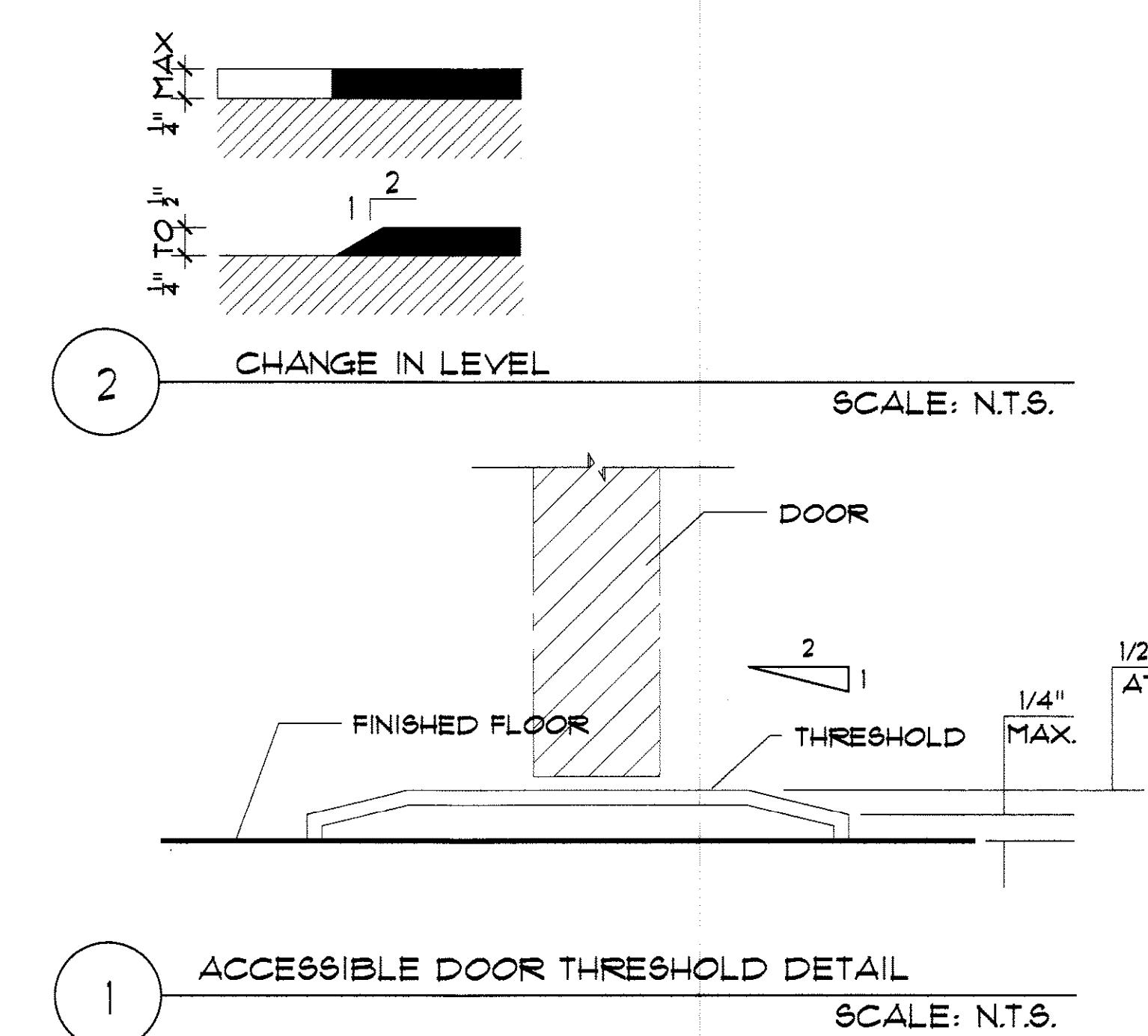


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JOB NO: 201104 SCALE: PER DETAIL

**PARTITION
DETAILS**

SHEET: K2.2





RESTAURANT
DESIGN
CONCEPTS

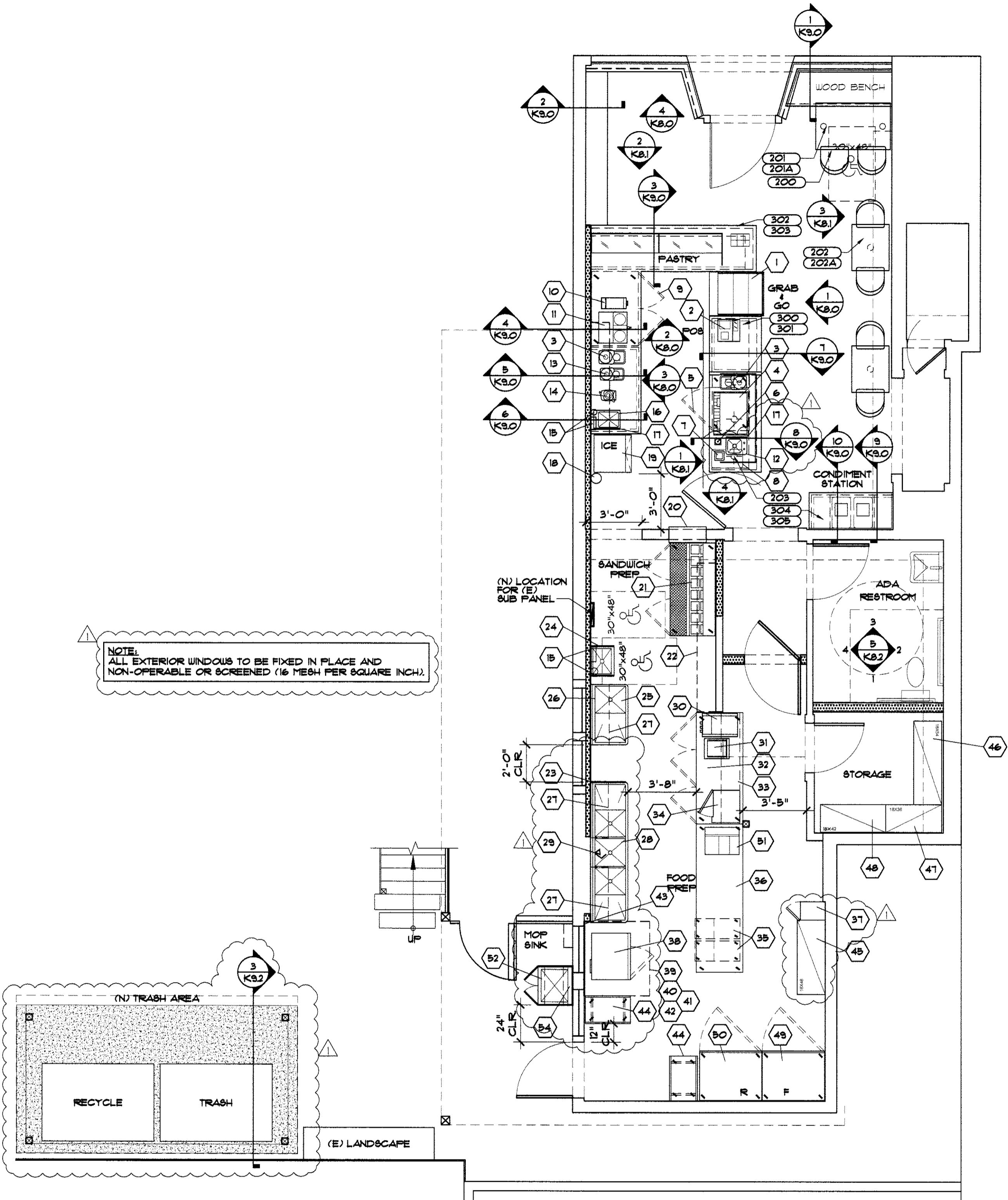
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FLOOR PLAN

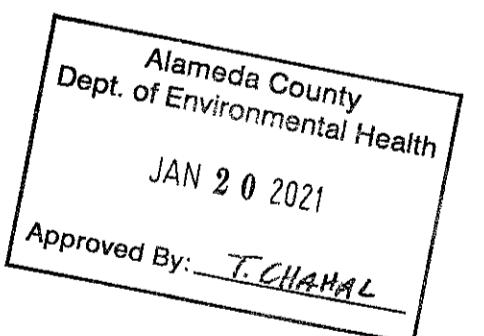
SCALE 1/4" = 1'-0"

GENERAL CONSTRUCTION REQUIREMENTS

- 1) G.C. TO ANTICIPATE TO INSTALL ALL ITEMS UNLESS OTHERWISE NOTED ELSEWHERE ON PLANS. IT IS THE G.C.'S RESPONSIBILITY TO NOTIFY CLIENT AND DESIGN TEAM IF THERE APPEARS TO BE CONFLICTING INFORMATION.
- 2) G.C. TO COORDINATE UTILITY SERVICE APPLICATION AND UPDATES AS NEEDED.
- 3) FIRE WRAP AND SHAFT ON HOOD SYSTEMS ARE DONE BY G.C.
- 4) STAINLESS STEEL SUPPLIER TO INSTALL HOOD, DUCT SYSTEMS, BLOWERS, ENCLOSURES, AND FLASHING FOR HOODS
- 5) G.C. TO COORDINATE AND SUPPLY UNUSUAL INSTALLATION TOOLS SUCH AS CRANES, SCISSOR LIFTS, FORKLIFTS, ETC.
- 6) G.C. TO COORDINATE ROOF PENETRATION AND PATCH WITH LANDLORD'S ROOFING CONTRACTOR
- 7) G.C. TO COORDINATE EXTERIOR SIGNAGE POWER REQUIREMENTS
- 8) G.C. TO COORDINATE AND SUPPLY LIFE SAFETY REQUIREMENTS
- 9) G.C. TO SUPPLY AND INSTALL FIRE EXTINGUISHERS.
- 10) IF PURCHASED FROM RDC, RDC WILL COORDINATE NEW HOOD FIRE SUPPRESSION SYSTEM INSTALL
- 11) G.C. TO SUPPLY AND INSTALL PER FIRE ALARM REQUIREMENTS
- 12) G.C. TO SUPPLY AND INSTALL KNOX BOX IF REQUIRED
- 13) G.C. TO COORDINATE SPECIAL INSPECTIONS
- 14) G.C. TO COORDINATE CALGREEN REQUIREMENTS
- 15) G.C. TO COORDINATE HOOD BALANCE REPORT REQUIREMENTS REGARDLESS IF RDC OR G.C. IS SUPPLYING SERVICE.
- 16) REFRIGERATION COMPANY TO PROVIDE CUT-OUTS IN WALK-IN COOLERS FOR FIRE SPRINKLER INSTALLATION. FIRE SPRINKLER INSTALL IS BY FIRE SPRINKLER SUPPLIER
- 17) G.C. TO SUPPLY FLASHING FOR WALK-INS AS NEEDED.
- 18) WALK-IN SUPPLIER TO RECOMMEND AND LOCATE REMOTE COMPRESSOR LOCATION. SUPPLIER MUST COORDINATE WITH G.C. FOR PAD AND SUPPORT REQUIREMENT.
- 19) IT IS G.C.'S RESPONSIBILITY TO VERIFY WITH CLIENT IF SUPPLIER LIST CHANGED BEFORE START OF CONSTRUCTION
- 20) G.C. TO PROVIDE BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, PLUMBING FIXTURES AND MILLWORK
- 21) G.C. SHALL BE RESPONSIBLE FOR INSTALLATION OF ALL STAINLESS STEEL WALL SHELVING, PLUMBING FIXTURES AND MILLWORK U.O.N.
- 22) G.C. TO SET IN PLACE AND LEVEL ALL STN. STEEL EQUIPMENT. U.O.N.
- 23) G.C. TO CAULK AND SEAL WHEREVER NEEDED, INCLUDING AT ALL STN. STEEL EQUIPMENT AFTER SET IN PLACE AND LEVEL TO COMPLY WITH HEALTH DEPARTMENT REQUIREMENTS.
- 24) G.C. TO PROVIDE STN. STL. STORAGE SHELF ABOVE MOP SINK
- 25) G.C. TO PROVIDE AND INSTALL ACOUSTICAL SOUND MITIGATION AS NEEDED WHEN REQUIRED.
- 26) DRYWALL INSTALLATION MUST BE COMPLETED BEFORE MILLWORK FABRICATOR TO PERFORM SURVEY OR MEASUREMENT.
- 27) G.C. TO COORDINATE WITH CLIENT ALL DATA AND LOW VOLTAGE REQUIREMENTS

NOTE:
DURING THE FIRE INSPECTION, THE CLIENT IS RESPONSIBLE TO FOLLOW THE FIRE MARSHALL'S REQUIREMENT TO PROVIDE NUMBERS OF TYPE "4" FIRE EXTINGUISHERS. CLIENTS ALSO NEED TO COORDINATE WITH THEIR OR LANDLORD'S FIRE ALARM COMPANY FOR THE FIRE SUPPRESSION SYSTEM HOOKUPS.

FOR CONTINUATION OF
EQUIPMENT SCHEDULE, SEE
SHEETS K3.1 & K3.2



PROJECT
NORTH
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DATE: January 11 2021

DRAWN BY: TZ CHECK: JY

Job No: 201104 Scale: 1/4" = 1'-0"

FLOOR PLAN
EQUIPMENT SCHEDULE
TITLE: A3.0

EQUIPMENT SCHEDULE				ELECTRICAL SCHEDULE						PLUMBING SCHEDULE										
ITEM NO.	SUPPLIED BY	QTY.	DESCRIPTION	INSTALLED BY	VOLT.	PH	LOAD			ELEC. REMARKS	INSTALLED BY	WATER			WASTE		GAS		PLUMBING REMARK	
							WATT	AMPS.	HP			CW	HW	HT	DIR	INDIR	HT	BTU 1000	CONN SIZE	
1	RDC	1 EA.	OPEN GRAB AND GO CASE, 28" W X 38" D, X 42" H, SELF CONTAIN, STD. BLACK VINYL FINISH TURBO-AIR TOM-308B-SP-A-N AUTO CLEANING COMBENDER	EC	115	1	6.7	1/3	4B"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.										
2	OWNER	1 LOT	POINT OF SALE SYSTEM	EC	115	1		VFT.		4B"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
3	OWNER	2 EA.	ESPRESSO COFFEE BEAN GRINDER SUPER JOLLY MAZER	EC	VFT.	1	350			4B"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
4	OWNER	1 EA.	ESPRESSO MAKER TWO GROUPS LA MARZOCCO 2 GROUP	EC	208-240	1	4600	30		4B"	PROVIDE A BOX IN WALL RUN SEAL TIGHT CONDUIT TO UNIT CONNECTION	PC	1/2"			1"				PROVIDE 80Y. RUN 1/4" COPPER TUBING TO UNIT CONNECTION RUN IND. DRAIN TO FLOOR SINK

EQUIPMENT SCHEDULE				ELECTRICAL SCHEDULE							PLUMBING SCHEDULE							RESTAURANT DESIGN CONCEPTS			
ITEM NO.	SUPPLIED BY	QTY.	DESCRIPTION	INSTALLED BY	VOLT.	PH	LOAD			ELEC. REMARKS	INSTALLED BY	WATER			WASTE		GAS		PLUMBING REMARK		
							WATT	AMPS.	HP			CW	HW	HT	DIR	INDIR	HT	BTU 1000	CONN SIZE	HT	
5	RDC	1 EA	SINGLE SOLID DOOR UNDER COUNTER REFRIGERATOR, 36" W X 24" D. X 39 1/4" H. ON CASTERS. SELF CONTAIN. IBV.	TURBO-AIR JUR-36S-N6	EC	115	1		17	3/8	+15"										
6	RDC	1 EA	GLASS RINGER	MICROMATIC GR-UCM																	
7	VENDOR	1 EA	COFFEE GROUND KNOCK BOX. COUNTERTOP INSTALLER TO PROVIDE CUTOUT AS REQUIRED																		
8	OWNER	1 LOT	GARBAGE CAN																		
9	OWNER	1 EA	TWO DOOR UNDER COUNTER REFRIGERATOR, 12 CU. FT. 48 1/4" W X 30" D. ON CASTERS. SELF CONTAIN. IBV.	DELFIELD UC-2048P	EC	115	1		40	1/8	+15"										
10	OWNER	2 LOT	COFFEE BEAN GRINDER	MAHLKONG GH2	EC	115	1	750			+44"										
11	OWNER	1 EA	COFFEE MAKING SYSTEM, TWIN STATIONS	FETCO CBS-1152V	EC	115V-240V	1		255		+44"	PROVIDE OUTLET IN WALL. UNIT PROVIDED WITH CORD AND PLUG.	PC	1/2"		+44"					PROVIDE 6.0V. RUN 1/4" COPPER TUBING TO UNIT CONNECTION
12	RDC	1 EA	STN. STL. DROP-IN HAND SINK WITH FAUCET, 12" W X 17" L X 10" D. PROVIDED WITH LEVEL WRIST HANDLES	BK-12802514-P-G																PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION. RUN IND. DRAIN TO FLOOR SINK	
13	OWNER	1 EA	MINI ESPRESSO COFFEE BEAN GRINDER	MAZZER MINI EN	EC	VFT.	1	250			+44"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
14	RDC	1 EA	COMMERCIAL BLENDER, IBV., 64 OZ CONTAINER	WARING MX-1000XTX	EC	115	1	1560	12.5	3.5	+46"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
15	G.C.	1 LOT	SOAP AND PAPER TOWEL DISPENSER																		
16	RDC	1 EA	STN. STL. DROP-IN HAND SINK WITH FAUCET, 12" W X 17" L X 10" D. PROVIDED WITH LEVEL WRIST HANDLES	GSW HS-1317H																PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION. INSTALL "P" TRAP AS REQUIRED.	
17	RDC	1 EA	66 VERTICAL DIVIDER ATTACHED TO LEFT SIDE OF SINK	J AND K																	
18	G.C.	1 EA	WATER FILTER FOR ICE MAKER, SINGLE FILTER																	PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION.	
19	OWNER	1 EA	150 LB. ICE MAKER WITH 73 LB. BIN, 25 1/4" W X 27 1/4" D. X 39 1/4" H. AIR COOL. HALF DICE. SELF CONTAIN. IBV. SINGLE PHASE.	HOSHIZAKI KM-230BAJ	EC	115	1		97		+15"	MOUNT JBOX IN WALL. RUN SEAL TIGHT FLEX CONDUIT TO UNIT CONNECTION.	PC								CONNECT COLD WATER SUPPLY LINE FROM WATER FILTER RUN IND. DRAIN TO FLOOR SINK
20	RDC	1 EA	STAINLESS STEEL PASS-THRU SHELVING, 24" W X 12" D. X 1 1/2" SELF RETURN EDGE	J AND K																	
21	OWNER	1 EA	60 1/2" W X 34" D. X 47 1/4" H. MEGA TOP TWO DOOR REFRIGERATED SANDWICH PREP TABLE. 55. INTERIOR AND EXTERIOR CONSTRUCTION. IBV.	TRUE TSSU-60-24M-B-ST-HC	EC	115	1	65	1/8	+45"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.										
22	RDC	1 EA	96" L X 12" W. STN. STL. WALL SHELVING WITH BRACKET. INSTALL BY G.C.	BK RESOURCES BK-1286																	
23	RDC	1 EA	66 VERTICAL DIVIDER BETWEEN PREP SINKS																		
24	RDC	1 EA	STN. STL. WALL MOUNT HAND SINK WITH WRIST HANDLE FAUCET, 15" L X 8" W	GSW HS-1615W																PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION. INSTALL "P" TRAP AS REQUIRED.	
25	RDC	1 EA	SINGLE COMPART PREP SINK, OVER ALL 33" L X 24" D. TUB SIZE 18" X 18" X 12" D. WITH 18" DRAIN BOARD LEFT SIDE.	MIXRITE MSSA-1-L																PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION. RUN IND. DRAIN TO FLOOR SINK	
26	RDC	1 EA	SPASH MOUNT FAUCET WITH 10" SWING NOZZLE WITH WRIST HANDLES.	BK RESOURCES BKF-10-G																PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION.	
27	RDC	3 EA	36" L X 12" W. STN. STL. WALL SHELVING WITH BRACKET. INSTALL BY G.C.	BK RESOURCES BK-1286																	
28	OWNER	1 EA	THREE COMPARTMENT POT SINK, 18" X 18" TUBS WITH TWO 18" DRAIN BOARDS. 16 GA. STAINLESS.	MIXRITE MRSB-3-D																VERIFY WITH MECHANICAL ENGINEER'S PLANS FOR DRAINAGE TO GREASE TRAP REQUIREMENT	
29	RDC	1 EA	SPASH MOUNT FAUCET WITH 12" FILLER AND PRE-RINSE SPREAD	BK RESOURCES BKF-SPR-12P-AF2-G																PROVIDE 6.0V. RUN PIPING TO UNIT CONNECTION.	
30	RDC	1 EA	COUNTER TOP HIGH VOLUME DUAL BELT CONVEYOR TOASTER, ADJ. HEAT. IBV. SINGLE PHASE.	STAR DT14	EC	208	1	4,800	23.6		+45"	PROVIDE JBOX IN WALL. RUN SEAL TIGHT FLEX CONDUIT TO UNIT CONNECTION.									
31	RDC	1 EA	COUNTER TOP PANINI SANDWICH GRILL.	AVATCO ITTP18	EC	115	1		15		+44"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
32	OWNER	1 EA	THREE DOOR UNDER COUNTER REFRIGERATOR 13" W X 30" D. X 36 1/2" H. ON CASTERS. SELF CONTAIN. IBV.	ATOSA MGF8404GR	EC	115	1		28	1/8	+45"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
33	RDC	1 EA	STN. STL. TABLE SHELF, 12" L X 12" D. DOUBLE TIER	ATOSA MRSB-6RE																	
34	RDC	1 EA	1000 WATT. MICROWAVE OVEN WITH PRE-SET BUTTONS, IBV. SINGLE PHASE	PANASONIC NE-1054	EC	115	1	1000	13.4		+48"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
35	RDC	2 EA	STN. STL. 100 QT. INGREDIENT BIN. ON CASTERS.	GSW DN-FB-100																	
36	RDC	1 EA	STN. STL. WORK TABLE, 96" L X 30" D. NO SPASH. STN. STL. LEGS AND CROSS BRACING.	BK RESOURCES SYTOB-3630																	
37	RDC	1 EA	EMPLOYEE'S LOCKERS, 5 TIERS. G.C. TO REMOVE LEGS AND MOUNT UNIT 6' AFF.	GSW EL5DR																	
38	RDC	1 EA	SINGLE DECK ELEC. CONVECTION OVEN, 31" W X 26" D. NAT. GAS. TWO SPEED FAN. IBV.	BLODGETT CTB/CTBR	EC	208	1		21	1/2	+30"	PROVIDE OUTLET IN WALL HORIZONTALLY. UNIT PROVIDED WITH CORD AND PLUG.									
39	RDC	1 EA	STN. STL. TYPE II VAPOR EXHAUST HOOD, 4'-0" L X 3'-6" D.	CAPTIVE AIRE																	
40	RDC	1 EA	EXHAUST DUCT FOR ITEM 39, SEE MECH ENG. PLANS FOR REQUIREMENT	J AND K																	
41	RDC	1 EA	INLINE EXHAUST BLOWER FOR ITEM 39 SEE MECH ENG. PLANS FOR REQUIREMENT	CAPTIVE AIRE	EC	VFT.	VFT.		VFT.	VFT.	ON ROOF	PROVIDE JBOX ON ROOF W/ DISCONNECT SWITCH, RUN SEAL TIGHT FLEX CONDUIT TO UNIT CONNECTION. INTERWIRE WITH ITEM#									
42	RDC	1 EA	MAKE-UP AIR SYSTEM FOR ITEM 39 SEE MECH ENG. PLANS FOR DETAIL	J AND K	EC	VFT.	VFT.		VFT.	VFT.	ON ROOF	PROVIDE JBOX ON ROOF W/ DISCONNECT SWITCH, RUN SEAL TIGHT FLEX CONDUIT TO UNIT CONNECTION. INTERWIRE WITH ITEM#								VERIFY WITH MECH. ENGINEERING PLANS FOR REQUIREMENT.	
43	RDC	1 LOT	"L" SHAPE STN. STL. WALL LINING, 4'-0" L X 6' L X 6'-8" H.	J AND K																	
44	RDC	2 EA	BUN PAN RACK (FRONT LOADING), 26" W X 18" D. X 10" H.	GSW ASR-2022W																	
45	RDC	1 SET	NSF WIRE SHELVING, 18" X 48" X 12" H. 4 TIERS.	THUNDERGROUP CMSV1848/CMPC012																	
46	RDC	1 SET	NSF WIRE SHELVING, 18" X 54" X 12" H. 4 TIERS.	THUNDERGROUP CMSV1854/CMPC012																	
47	RDC	1 SET	NSF WIRE SHELVING, 18" X 36" X 12" H. 4 TIERS.	THUNDERGROUP CMSV1836/CMPC012																	
48	RDC	1 SET	NSF WIRE SHELVING, 18" X 42" X 12" H. 4 TIERS.	THUNDERGROUP CMS																	

EQUIPMENT SCHEDULE				ELECTRICAL SCHEDULE						PLUMBING SCHEDULE								RESTAURANT DESIGN CONCEPTS																																																			
ITEM NO.	SUPPLIED BY	QTY.	DESCRIPTION	INSTALLED BY	VOLT.	PH	LOAD			ELEC. REMARKS	INSTALLED BY	WATER			WASTE		GAS		PLUMBING REMARK																																																		
							WATT	AMPS.	HP			CW	HW	HT	DIR	INDIR	HT	BTU 1000	CONN SIZE	HT																																																	
(E1)	E.C.	SEE PLAN	CONVENIENCE OUTLET	E.C.	110	1				SEE PLAN	MOUNT OUTLET IN WALL HORIZONTALLY																																																										
(E2)	E.C.	SEE PLAN	CONVENIENCE OUTLET	E.C.	220	1				SEE PLAN	MOUNT OUTLET IN WALL HORIZONTALLY																																																										
(F1)	P.C.	SEE PLAN	FLOOR SINK	JR. SMITH 2010A OR EQ.								P.C.			1 1/2"					INSTALL FLUSH W/ FINISH FLOOR W/ GRATE W/ DOME STRAINER. INSTALL SO FRONT ALIGNS W/ FACE OF CABINET OR EQUIPMENT.																																																	
(F2)	P.C.	SEE PLAN	FLOOR DRAIN		COMMERCIAL 906							P.C.			1 1/2"					INSTALL FLUSH W/ FINISH FLOOR. PROVIDE TRAP PRIMER SLOPE FLOOR TO DRAIN.																																																	
(P3)	P.C.	SEE PLAN	HOSE BIBB W/ BUILT IN VACUUM BREAKER									P.C.	1/2"		423"																																																						
(M1)	G.C.	SEE PLAN	ACCESSIBLE HAND SINK W/ FAUCET									P.C.	1/2"	1/2"	423"	1 1/2"					PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION.																																																
(M2)	G.C.	SEE PLAN	WATER CLOSET									P.C.	1/2"		48"	3"					PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. FLOOR MOUNT UNIT. WASTE DRAIN IN FLOOR.																																																
(M3)	G.C.	SEE PLAN	ACCESSIBLE URINAL									P.C.	1/2"		446"	3"					FLOOR MOUNT UNIT. WASTE DRAIN IN FLOOR.																																																
(M4)	G.C.	SEE PLAN	18X30 MIRROR W/ GRAFFITI/SCRATCH RESISTANT FINISH																																																																		
(M5)	G.C.	SEE PLAN	MOP HOLDER, WALL MOUNTED																																																																		
(M6)	G.C.	SEE PLAN	WALL MOUNT CHEMICAL CABINET																																																																		
(M7)	G.C.	SEE PLAN	TOILET PAPER DISPENSER	BOBRICK B-663																																																																	
(M8)	G.C.	SEE PLAN	TOILET SEAT COVER DISPENSER 16" W X 29 1/4" H X 4" D	BOBRICK B-4221																																																																	
(M9)	G.C.	SEE PLAN	36" GRAB BAR	BOBRICK B-6806																																																																	
(M10)	G.C.	SEE PLAN	42" GRAB BAR	BOBRICK B-6806																																																																	
(M11)	G.C.	SEE PLAN	HAND SOAP DISPENSER 7" W X 6 1/8" H X 3 5/16" D	BOBRICK B-4112																																																																	
(M12)	G.C.	SEE PLAN	WALL HUNG PAPER TOWEL DISPENSER & WASTE BASKET 16" W X 24 3/4" H X 4 1/8" D	BOBRICK B-3944																																																																	
(M13)	G.C.	SEE PLAN	RECESSED SANITARY NAPKIN DISPOSAL	BOBRICK B-353																																																																	
(M14)	G.C.	SEE PLAN	RECESSED MOUNTED BABY CHANGING STATION	BOBRICK KB-110-BRRE																																																																	
FURNITURE & FIXTURE SCHEDULE				FURNITURE & FIXTURE SCHEDULE								FURNITURE & FIXTURE SCHEDULE								LAZYBIRD																																																	
ITEM NO.	SUPPLIED BY	QUANTITY	DESCRIPTION	ITEM NO.	SUPPLIED BY	QUANTITY	DESCRIPTION	ITEM NO.	SUPPLIED BY	QUANTITY	DESCRIPTION	ITEM NO.	SUPPLIED BY	QUANTITY	DESCRIPTION	ITEM NO.	SUPPLIED BY	QUANTITY	DESCRIPTION	ITEM NO.	DESCRIPTION	DATE																																															
(304)	RDC	1 EA.	CONDIMENT STATION QUARTZ TOP DIM: 4'-4-1/2" W X 1'-10-1/2" D AT 32" HT PLYWOOD CONSTRUCTION TO RECEIVE WHITE PLASTIC LAMINATE FOR INTERIOR AND WOOD FINISH FOR EXTERIOR FINISH (1) SECTION WITH (1) DOOR WITH (2) ADJUSTABLE SHELVING (1) SECTION WITH (2) DOOR OPEN FOR TRASH CANS 4" HT RAW BASE TO RECEIVE FINISH BY G.C. MILLWORK TO PROVIDE SUBTOP FOR ITEM #304	(305)	RDC	1 EA.	CONDIMENT STATION COUNTER DIM: 4'-4-1/2" W X 1'-10-1/2" D AT 32" HT PLYWOOD CONSTRUCTION TO RECEIVE WHITE PLASTIC LAMINATE FOR INTERIOR AND WOOD FINISH FOR EXTERIOR FINISH (1) OPEN SECTION WITH (1) ADJUSTABLE SHELVING (1) SECTION WITH (1) DOOR OPEN FOR TRASH CANS 4" HT RAW BASE TO RECEIVE FINISH BY G.C. MILLWORK TO PROVIDE SUBTOP FOR ITEM #304	(300)	RDC	6 EA.	INDUSTRIAL DINING CHAIR WITH WOOD TOP ASPEN WHITE POWDER COAT	(200)	RDC	1 EA.	30"X48" MELAMINE TABLE TOP	(201)	RDC	1 EA.	END BASE-BLACK TEXTURE CAST IRON SHAPED-T(2 PRONG). STANDARD HEIGHT: 28" (2 PER ADA REQUIREMENT)	(201A)	RDC	2 EA.	22"X22" CROSS BASE-BLACK TEXTURE CAST IRON SHAPED-T(2 PRONG). STANDARD HEIGHT: 28"	(202)	RDC	2 EA.	30"X24" MELAMINE TABLE TOP	(202A)	RDC	2 EA.	22"X22" CROSS BASE-BLACK TEXTURE CAST IRON SHAPED-T(2 PRONG). STANDARD HEIGHT: 28"	(203)	RDC	3 EA.	SINGLE PENDANT WITH BLACK HINGE CAGED EDISON BULB BLACK MODERN SOCKET/ CEILING PLATE: BLACK/ BLACK ROUND CORD/ 6' LENGTH	(300)	RDC	1 EA.	CASHIER QUARTZ TOP DIM: 3'-0" W X 2'-1" D X 3'-4-1/2" H X 2'-9-1/2" W 4" HT WATERFALL DROP TO CASHIER 2" EASDED EDGE (3) CUTOUT GROMMET (1) CUTOUT FOR COFFEE GROUND KNOCK BOX	(301)	RDC	1 EA.	CASHIER UNDER COUNTER DIM: 2'-10" W X 2'-0" D AT 32" HT PLYWOOD CONSTRUCTION TO RECEIVE WHITE PLASTIC LAMINATE FOR INTERIOR AND WOOD FINISH FOR EXTERIOR FINISH (1) OPEN SECTION WITH (1) ADJUSTABLE SHELVING (1) SECTION WITH (1) DOOR OPEN FOR TRASH CANS 4" HT RAW BASE TO RECEIVE FINISH BY G.C. MILLWORK TO PROVIDE SUBTOP FOR ITEM #300	(302)	RDC	1 EA.	BACK COUNTER QUARTZ TOP DIM: 4'-6-1/2" W X 2'-7" D AT 38" HT PLYWOOD CONSTRUCTION TO RECEIVE WHITE PLASTIC LAMINATE FOR INTERIOR AND EXTERIOR FINISH (1) SECTION WITH (1) DOOR WITH (1) ADJUSTABLE SHELVING (1) SECTION WITH (1) DOOR OPEN FOR TRASH CANS 6" HT RAW BASE TO RECEIVE FINISH BY G.C. MILLWORK TO PROVIDE SUBTOP FOR ITEM #302	(303)	RDC	1 EA.	BACK UNDER COUNTER DIM: 4'-6-1/2" W X 2'-7" D AT 38" HT PLYWOOD CONSTRUCTION TO RECEIVE WHITE PLASTIC LAMINATE FOR INTERIOR AND EXTERIOR FINISH (1) SECTION WITH (1) DOOR WITH (1) ADJUSTABLE SHELVING (1) SECTION WITH (1) DOOR OPEN FOR TRASH CANS 6" HT RAW BASE TO RECEIVE FINISH BY G.C. MILLWORK TO PROVIDE SUBTOP FOR ITEM #303	△HEALTH RESUB	01-13-2021	HEALTH SUB	12-28-2020	PRELIMINARY	MM DD, YY	ISSUE	DESCRIPTION	DATE	IT IS CLIENT'S RESPONSIBILITY TO OBTAIN ALL PROPER PERMITS FOR ANY REMODELING WORK. CLIENT MUST COMPLY WITH CITY, COUNTY AND FEDERAL REQUIREMENT	PROJECT NORTH N	EX-13221	DATE: January 11 2021	DRAWN BY: TZ CHECK: JY	Job No: 201104 Scale: 1/4"=1'-0"	EQUIPMENT SCHEDULE	TITLE:	K3.2
Alameda County Dept. of Environmental Health JAN 20 2021 Approved By: T. CHAHAL																																																																					

ELECTRICAL NOTES

1) FURNISH AND INSTALL, INCLUDING LABOR, SUPERVISION, MATERIALS, TOOLS, SERVICES, TRANSPORTATION, OVERHEAD COSTS, FEES, PLAN CHECK FEES, INSPECTION CHARGES, ROYALTIES, ETC. A COMPLETE ELECTRICAL INSTALLATION AS SPECIFIED HEREIN AND INDICATED ON ALL ELECTRICAL AND OTHER DRAWINGS. E.G. CONTROL WIRING FOR MECHANICAL SYSTEMS, IN AN APPROVED, NEAT, FIRST CLASS, FINISHED, SAFE, WORKMANSHIP LIKE MANNER THAT COMPLIES WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND SERVING ELECTRICAL AND TELEPHONE UTILITIES, ETC. CODES, ORDINANCES, RULES, REGULATIONS, STANDARDS, ETC. INCLUDING CURRENT ADDENDA AND ERRATA. THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY OR SURPASS THE MOST RECENT EDITION OF THE NATIONAL ELECTRICAL CODE PER OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

2) REFER TO ALL SHEETS AND SPECIFICATIONS PRIOR TO ANY BIDDING. ANY DISCREPANCIES IN DRAWINGS OR JOB SITE CONDITIONS SHALL BE NOTED AND INDICATED ON THE BID SUBMITTAL.

3) ALTHOUGH THE DRAWINGS HAVE ENDEAVORED TO SHOW ALL UTILITIES AT THE PROJECT SITE, ALL UTILITY LOCATIONS ARE NOT NECESSARILY KNOWN OR SHOWN. ELECTRICIAN SHALL DETERMINE ELECTRICAL SERVICE TO EXISTING RETAIL SPACE. ALSO, WITHOUT LIMITATION, THE ELECTRICIAN SHALL BE RESPONSIBLE AT HIS OWN COST FOR ALL WORK EXPENSES OR PRECAUTIONS CAUSED BY THE EXISTENCE OR PROXIMITY OF UTILITIES ENCOUNTERED AT THE SITE (MAY INCLUDE COMMUNICATIONS CABLES OR HIGH VOLTAGE CABLES). WHEN CORE DRILLING, CUTTING, ETC. IN THE VICINITY OF THE CABLES, SPECIAL PRECAUTIONS SHALL BE OBSERVED BY THE ELECTRICIAN TO GUARD AGAINST ANY DAMAGE OR INJURY.

4) ELECTRICIAN SHALL MAINTAIN ELECTRICAL SERVICE (EVEN TEMPORARY WIRING AND POWER) TO BUILDING SPACE, IF NECESSARY TO CUT OFF POWER, PROPER AND TIMELY NOTICE SHALL BE GIVEN TO OWNER AND SUB-CONTRACTORS. DURATION OF POWER CUT OFF SHALL BE KEPT TO A MINIMUM.

5) ELECTRICIAN SHALL COMPLETE ANY DEMOLITION WORK AS REQUIRED FOR NEW WORK, SUCH AS REMOVING EXISTING DRYWALL, PLASTER, STUDS AND RELOCATING EXISTING UTILITIES AS REQUIRED.

6) ELECTRICIAN SHALL DETERMINE THE NEW ELECTRICAL SERVICE LOAD REQUIRED FOR RESTAURANT EQUIPMENT, LIGHTING, ETC. IF NECESSARY, INCREASE SIZE OF SERVICE AS REQUIRED. REVIEW POWER SUPPLY WITH LOCAL ELECTRICAL POWER AGENT AS SOON AS POSSIBLE IN ORDER TO MEET HIS WORK SCHEDULE. ELECTRICIAN TO SIZE AND INSTALL POWER PANELS AND MAINSWITCHBOARDS/GEAR. IF POSSIBLE, ELECTRICIAN SHALL MODIFY EXISTING POWER PANELS AND INSTALL CIRCUIT BREAKERS AS REQUIRED. ELECTRICIAN TO SIZE AND PROVIDE ELECTRICAL STEP DOWN TRANSFORMER IF VOLTAGE OTHER THAN 115/208 VOLT IS AVAILABLE (VERIFY WITH LANDLORD).

7) ELECTRICIAN TO LABEL ALL PANELS AND CIRCUIT BREAKERS IN PANELS FOR EASE OF IDENTIFICATION.

8) ALL WIRING MUST BE IN RIGID CONDUIT OR EMT (ELECTRIC METALIC CONDUIT) OR FLEX METAL CONDUIT (PIGTAILS TO UNITS ON DIRECT CONNECTIONS), OR SEAL-TIGHT FLEX CONDUIT. ALL CONDUITS SHALL BE INSTALLED INSIDE WALLS OR CABINETS AND CONCEALED WHEREVER POSSIBLE.

9) ELECTRICIAN TO CONNECT AND PROVIDE POWER TO ALL FIXTURES SUPPLIED BY ELECTRICIAN, EQUIPMENT CONTRACTOR, DECOR CONTRACTOR, OR OWNER. IF NOT POSSIBLE OVERHEAD OR IN WALL, ELECTRICIAN SHALL DRILL THROUGH FLOOR AND RUN UNDERGROUND FOR FEEDS TO ITEMS OF GENERAL AREA FEEDS.

10) ELECTRICIAN TO SIZE ALL ELECTRICAL CIRCUIT BREAKERS, WIRE DIAMETERS, CONDUITS, J-BOXES, ETC. FOR LOAD REQUIREMENTS. ELECTRICIAN TO PROVIDE ALL JUNCTION BOXES AND OUTLETS IN WALLS; INSTALL FLUSH WITH FINISHED WALL OR SPLASH UNLESS OTHERWISE NOTED. EXTERNAL WIRING FOR FIXTURES TO BE CONNECTED BY ELECTRICIAN. NO EXPOSED LINES, WHERE NECESSARY, INSTALL EXTENSION RINGS ON OUTLETS THROUGH CABINET OR EQUIPMENT BACK SPLASHES.

11) ELECTRICIAN SHALL BE RESPONSIBLE FOR VERIFYING THE ELECTRICAL CHARACTERISTICS AND ADDITIONAL REQUIREMENTS OF ALL THE ELECTRICAL FOOD SERVICE EQUIPMENT, INCLUDING OUTLETS, PLUGS AND ANY INTERNAL OR EXTERNAL WIRING (FLEX CONDUIT DIRECT CONNECTIONS FROM J-BOX TO UNIT). EQUIPMENT CUT SHEETS SHALL BE PROVIDED, VERIFIED AND COORDINATE WITH FOOD SERVICE EQUIPMENT SUPPLIER AND COMPLY AS REQUIRED.

12) ELECTRICIAN SHALL VERIFY AND COORDINATE WITH MECHANICAL CONTRACTOR ON THE LOCATION OF MECHANICAL EQUIPMENT SUCH AS HOOD SUPPLY AND EXHAUST FANS (E.G. VOLTAGE, PHASE, HP, AMPERAGE, CONTROL WIRING, NUMBER OF CONNECTIONS, ETC. AND COMPLY AS REQUIRED).

13) ALL HORIZONTAL DIMENSIONS ARE TAKEN FROM FACE OF STUD (POF) OR FACE OF WALL (POW) TO CENTERLINE OF OUTLET, UNLESS OTHERWISE NOTED.

14) ALL OUTLETS TO BE 15" AFF. MIN. TO BOTTOM OF OUTLET BOX, AND 48" AFF. MAX TO TOP OF OUTLET BOX, EXCEPT WHERE NOTED TO BOTTOM OF OUTLET.

15) INSTALL OUTLETS WHERE DIMENSIONED. IF NECESSARY, INSTALL BLOCKING OR FRAMING BRACKETS BETWEEN STUDS.

16) ANY OUTDOOR ELECTRICAL OUTLETS, SWITCHES OR CONNECTIONS SHALL BE WEATHERPROOF. PROVIDE A UTILITY OUTLET ON ROOF NEAR MECHANICAL OR REFRIGERATION EQUIPMENT.

17) ELECTRICIAN TO CONNECT ALL COMPRESSORS AND FAN MOTORS WITH DISCONNECT, MAGNETIC STARTER OR CONTROL SWITCHES. PROVIDE OVER-CURRENT PROTECTION FOR MOTORS NOT FURNISHED WITH INTEGRAL ITEM. PROVIDE CONNECTORS FOR ELECTRICAL COOKING EQUIPMENT WHICH MUST SHUT DOWN WHEN FIRE SUPPRESSION SYSTEM IS ACTIVATED.

18) LIGHTING, POWER, TELEPHONE AND COMMUNICATION OUTLETS SHALL NOT BE PLACED BACK TO BACK IN COMMON WALLS.

19) NO MORE THAN (3) UTILITY OUTLETS SHALL BE ON ONE CIRCUIT.

20) PROVIDE PLUGS AND CORDS FOR MOBILE EQUIPMENT WHERE THEY ARE NOT STANDARD WITH MANUFACTURER. SHORTEN CORDS IF REQUESTED BY EQUIPMENT SUPPLIER OR OWNER.

21) ELECTRICIAN TO INSTALL 1 INCH METAL CHASE CONDUIT FOR CASH REGISTER COMPUTER CABLE BETWEEN EACH UNIT. PROVIDE FULL CORD FOR FUTURE CASH REGISTER CABLE (SHIELDED, 4 WIRE, TWISTED PAIRS WITH SEPARATE GROUND WIRE) OR INSTALL CABLE IF PROVIDED BY OWNER OR CASH REGISTER SUPPLIER.

22) AT ISOLATED CLEAN CIRCUITS (ITEM #), USE RED COLOR OUTLETS AS INDICATION OF SPECIAL USE (SPECIAL OUTLETS FOR CASH REGISTER, COMPUTER, PRINTERS, OR OTHER USE).

23) ELECTRICIAN AND GENERAL CONTRACTOR TO COORDINATE FLOOR, WALL AND CEILING PENETRATIONS WITH OTHER TRADES AND WORK TO AVOID CONFLICTING ROUGH IN INSTALLATIONS. REVIEW WITH PROJECT COORDINATOR.

24) ELECTRICIAN TO PROVIDE AND RUN CONDUIT CHASE FOR TELEPHONE AS INDICATED. INSTALL J-BOXES WITH COVER PLATES AND PULL CORD FOR TELEPHONE INSTALLER. RUN BACK TO BUILDING.

25) ALL CONDUIT PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS OR CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE SEPARATION. ELECTRICIAN SHALL VERIFY AND RECEIVE APPROVAL FROM LANDLORD AND/OR BUILDING ARCHITECT/ ENGINEER PRIOR TO ANY SLAB CORE DRILLING ON PENETRATING STRUCTURAL MEMBERS (E.G. POST TENSION SLAB WITH CABLES). IF NECESSARY, ELECTRICIAN SHALL BE RESPONSIBLE FOR X-RATING SLAB TO DETERMINE CONCEALED MEMBERS.

26) INSTALL A POLYETHYLENE PULL ROPE IN ALL EMPTY CONDUITS.

27) IN ALL KITCHEN FOOD PREPARATION, DISHWASHING AND SERVING AREAS, PROVIDE STAINLESS STEEL OUTLET COVER PLATES. IN OTHER AREAS, PROVIDE STANDARD WHITE, IVORY OR BROWN COVER PLATES AS DIRECTED, OR MATCH ADJACENT FINISH COLOR.

28) ALL LIGHTING CIRCUITS TO BE THE RESPONSIBILITY OF THE ELECTRICIAN. IF ANY DISCREPANCIES WITH THE SWITCHING LAYOUT, VERIFY WITH ARCHITECT. SWITCHING SHALL MEET TITLE 24 REQUIREMENTS.

29) ALL LIGHT FIXTURES SHALL CONTAIN NEW LAMPS OF POWER, TYPE AND SIZE SHALL BE FURNISHED BY ELECTRICIAN UNLESS OTHERWISE NOTED.

30) FURNISH TWO SPARE LAMPS FOR EACH TYPE OF LIGHT FIXTURE USED.

31) ELECTRICIAN SHALL VERIFY ALL FIXTURE LOCATIONS PRIOR TO INSTALLING OR CUTTING HOLES IN CEILINGS.

32) ALL LIGHT SWITCHES AT 48" TO MEET HANDICAPPED REQUIREMENTS.

33) IF ANY EXPOSED INCANDESCENT LAMPS AND/OR FLUORESCENT TUBES ARE INSTALLED, THEY SHALL BE PROVIDED WITH SAFETY "TUBE-GUARD" UNBREAKABLE PLASTIC SLEEVES OR PLASTIC LENS WHEN OVER FOOD DISPLAY OR PREPARATION AREAS.

34) FLUORESCENT FIXTURES SHALL BE PROVIDED WITH ENERGY SAVER BALLASTS AND LAMPS. THIS WILL PROVIDE 16 WATTS FOR 2-LAMP FIXTURES AND 152 WATTS FOR 4-LAMP FIXTURES.

35) ELECTRICIAN SHALL PROVIDE EMERGENCY POWER SYSTEM, LIGHTS AND EXIT SIGNS AS REQUIRED BY BUILDING DEPARTMENT. CODES ON LIGHTING (1-1/2 HR ENDURANCE BATTERIES WITH UNIT ON SEPARATE CIRCUIT OR WIRED AHEAD OF MAIN DISCONNECT).

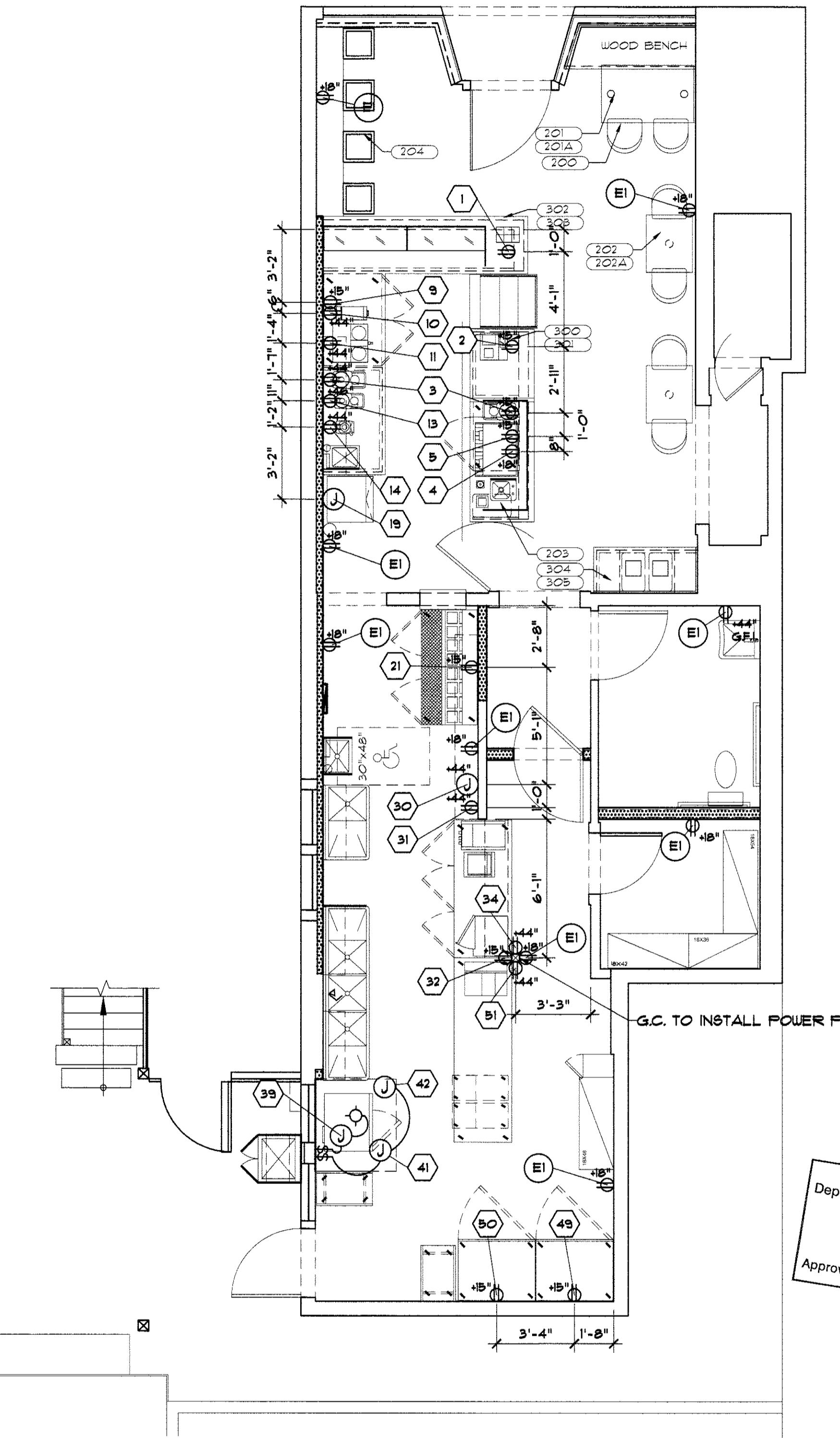
36) IF REQUIRED BY BUILDING DEPARTMENT, THE ELECTRICIAN, UNDER HIS PERMIT APPLICATION, SHALL PROVIDE DRAWINGS OR DIAGRAMS OF WIRE, BREAKER ARRANGEMENT, ETC.

37) ELECTRICIAN SHALL REVIEW OPERATION OF EQUIPMENT CIRCUIT BREAKERS, ETC. WITH OWNER AND/OR HIS REPRESENTATIVE AT COMPLETION OF THE PROJECT.

38) AT EXTERIOR REFRIGERATION COMPRESSOR RACK, ELECTRICIAN MAY PROVIDE A SUB-PANEL FOR DISCONNECT SWITCHES FOR CONDENSER UNITS (UNITS ARE INDIVIDUALLY MOUNTED ON RACK AND ARE NOT PREWIRED) OR INDIVIDUAL WALL MOUNTED DISCONNECT SWITCHES.

39) ALL OUTLETS IN KITCHEN TO BE "GFCI" (GROUND FAUCET CIRCUIT INTERRUPTER) TYPE FOR ELECTRIC SHOCK PROTECTION.

40) GENERAL CONTRACTOR TO PERFORM START UP AS REQUIRED.



ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

NOTES

1) G.C. TO COORDINATE TELEPHONE, INTERCOMS, P.O.S. SYSTEM, AUDIO & VIDEO SYSTEM, SECURITY SYSTEMS, COMPUTER WIRING, SYSTEM AND CABLE TV. CONNECTION WITH OWNER. IN ALL ROOMS, EXCEPT KITCHEN AND WHERE POSSIBLE, ALL EXISTING CONVENIENCE OUTLETS TO REMAIN.

2) EE/G.C. TO CALCULATE ALL LOADS TO EXISTING PANELS. E.E. TO COORDINATE WITH E.C. ALL REQUIRED MODIFICATION TO ELEC. PANEL AND METER. G.C. TO COORDINATE WITH PG&E ANY SPECIAL CONDITIONS TO BE MET PRIOR TO POWER CONNECTION.

3) EE/E.C. TO PROVIDE ALL T-24 CALCULATIONS THAT WILL BE REQUIRED BY LOCAL BUILDING DEPARTMENT AND STATE COMPLIANCE AUTHORITIES.

4) SWITCH AND DIMMER LOCATIONS: E.E./G.C. TO COORDINATE ALL FINAL LIGHT SWITCH AND DIMMER SWITCH LOCATIONS WITH OWNER.

5) G.C./E.C. FINAL BID TO BE BASED ON FINAL, APPROVED SET OF CONSTRUCTION DOCUMENTS ONLY.

6) ELECTRICIAN TO VERIFY WITH OWNER FOR ALL COFFEE MACHINE'S SPECIFICATIONS BEFORE INSTALLATION OF ANY POWER SOURCES. " NOT FOR CONSTRUCTION UNLESS APPROVED AND PERMITTED. FINAL BID TO BE BASED ON APPROVED PERMIT SET.

7) ELECTRICIAN TO VERIFY WITH OWNER FOR EXISTING OUTLETS CONDITION. OWNER TO DETERMINE IF ANY EXISTING OUTLETS REQUIRED TO BE REMOVED.

SYMBOLS

- DUPLEX CONVENIENCE OUTLET 115V 1-PHASE UNLESS OTHERWISE NOTED
- 4PLEX CONVENIENCE OUTLET 115V 1-PHASE UNLESS OTHERWISE NOTED
- USB DUPLEX USB W/ DUPLEX CONVENIENCE OUTLET 115V 1-PHASE UNLESS OTHERWISE NOTED
- POWER PANEL
- METER
- LIGHT
- CEILING FAN
- POWER POLE
- JUNCTION BOX



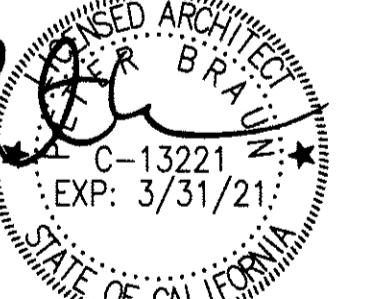
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△HEALTH RESUB	01-13-2021
HEALTH SUB	12-28-2020
PRELIMINARY	MM DD, YY
ISSUE	DESCRIPTION



IT IS CLIENT'S RESPONSIBILITY TO OBTAIN ALL PROPER PERMITS FOR ANY REMODELING WORK. CLIENT MUST COMPLY WITH CITY, COUNTY AND FEDERAL REQUIREMENT

FOR EQUIPMENT SCHEDULE
SEE SHEETS K3.1 & K3.2

G.C. TO COORDINATE AND
PROVIDE POWER & CONTROL
SWITCH FOR LED LIGHTS
TYPICAL THROUGHOUT

ELECTRICAL
PLAN

TITLE:

K4.0
SHEET:

DATE: January 11 2021

DRAWN BY: JP CHECK: JT
JOB NO: 201104 SCALE: 1/4" = 1'-0"

EXPI: 3/31/21

ELECTRICAL
PLAN

TITLE:

K4.0
SHEET:

PLUMBING NOTES

1) COMPLY WITH ALL COUNTY, STATE AND FEDERAL CODES, ORDINANCES, RULES AND REGULATIONS, INCLUDING ALL REQUIREMENTS OF SERVING AGENCIES. PAY ALL COSTS REQUIRED FOR METER INSTALLATION, SEWER TAPS, BUILDING APPLICATION FEES, ETC.

2) PLUMBER TO REFER TO ALL SHEETS AND SPECIFICATIONS PRIOR TO ANY BIDDING. ANY DISCREPANCIES IN DRAWING OR JOB SITE CONDITIONS SHALL BE NOTED AND INDICATED ON THE BID SUBMITTAL.

3) PLUMBER TO REVIEW EXISTING CONDITIONS AND DETERMINE IF EXISTING SEWER/DRAINAGE SYSTEM WILL ALLOW FOR PROPER DRAIN PIPE SLOPE TO NEW FIXTURES. IF NOT, PLUMBING BID SHALL INCLUDE COST FOR NEW SYSTEM AND CONNECTION TO CITY SYSTEM (INCLUDING EXCAVATION, BACK FILL, SUMP PUMP, ETC. FOR A COMPLETE AND FINISHED INSTALLATION).

4) PLUMBER SHALL PROVIDE ALL WATER, SEWER, VENT, GAS LINES, ETC. INSIDE DEMISED PREMISE AND TO CONNECTION POINTS OUTSIDE SPACE. ALL LINES SHALL RUN BELOW FLOORS IN WALLS OR ABOVE CEILING. PLUMBER TO COMPLETE ALL TRENCHING AND BACK FILLING REQUIRED FOR UNDERGROUND INSTALLATIONS.

5) PLUMBER/GENERAL CONTRACTOR TO COORDINATE FLOOR, WALL AND CEILING PENETRATIONS WITH OTHER TRADES. WORK TO AVOID CONFLICTING ROUGH-IN INSTALLATIONS. REVIEW WITH PROJECT COORDINATOR.

6) PLUMBER TO PROVIDE WATER CONNECTIONS, FLOOR SINKS AND DRAINS FOR ALL FIXTURES AS REQUIRED. PLUMBER TO CONNECT ALL WATER LINES AND DRAINS TO EQUIPMENT AND FIXTURES.

7) SOIL, WASTE, DRAIN AND VENTING BELOW AND INSIDE BUILDING TO BE SERVICE WEIGHT, NO HUB, CT. EXCEPT FOR VENTS AND SMALLER PIPES, USE COPPER OR GALVANIZED.

8) PVC AND ABS PIPES NOT APPROVED BY LOCAL CODES.

9) INSTALL FLOOR, WALL OR CEILING CLEANOUTS WHERE REQUIRED BY CODE OR WHERE IT WILL ALLOW FOR BEST ACCESS FOR CLEANING OUT BLOCKAGES IN PIPES.

10) WATER PIPING ABOVE GROUND SHALL BE TYPE "M" HARD DRAWN COPPER.

11) WATER PIPING ABOVE GROUND SHALL BE "L" SOFT DRAWN COPPER. ALL JOINTS SHALL BE MADE ABOVE GRADE AND CONCRETE SLAB (NO CONCEALED JOINTS).

12) INDIRECT DRAIN LINES SHALL BE TYPE "L" SOFT DRAWN COPPER WITH SWEAT SOLDER JOINTS.

13) ALL HORIZONTAL DIMENSIONS ARE TAKEN FROM FACE OF STUD (FOS) OR FACE OF WALL (FOW) TO CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.

14) ALL PIPES NOTED UP 12", ETC. TO STUB OUT OF WALL AT HEIGHT GIVEN. PIPE HEIGHT IS FROM FINISHED FLOOR (AFF) TO CENTERLINE OF PIPE AND NOT FROM SUBFLOOR, CONCRETE SLAB OR TOP OF EQUIPMENT BASE.

15) PLUMBER TO RUN ALL INDIRECT LINES AND DRAINS TO APPROPRIATE FLOOR DRAIN (NUMBER OF DRAINS TO MATCH FLOOR SINK CAPACITY).

16) FLOOR SINK INSTALLATION IS CRITICAL AND MUST BE PLACED EXACTLY ACCORDING TO PLAN DIMENSIONS. ANY DISCREPANCIES SHALL BE REVIEWED WITH PROJECT COORDINATOR OR EQUIPMENT SUPPLIER. FLOOR SINKS SHALL BE INSTALLED 1" ABOVE FINISHED FLOOR (SO SINKS ARE NOT USED AS DRAINS); THEREFORE, REVIEW ALL FLOOR FINISHES AND THICKNESSES WITH GENERAL CONTRACTOR PRIOR TO SETTING IN FIELD. PLUMBER SHALL CHECK ALL SINK ELEVATIONS PRIOR TO POURING OF CONCRETE SLAB OR TILE MORTAR BED. SIZE OF FLOOR SINK SHALL BE 12"X12"X8" DEEP.

17) INSTALL DIELECTRIC FITTINGS BETWEEN FERROUS AND NON-FERROUS MATERIALS.

18) PROVIDE SHUT OFF VALVE (SOV) AND BACK PRESSURE CHECK AIR CHAMBER AT EACH WATER STUB OUT OR FIXTURE.

19) PLUMBER TO PROVIDE VALVES AND FITTINGS NECESSARY TO CONNECT ALL LINES EVEN IF THEY ARE NOT PROVIDED WITH EQUIPMENT EITHER SUPPLIED BY OTHERS OR BY THE PLUMBER.

20) PLUMBER TO PROVIDE ESCUTCHEON COVERS, RINGS, ETC. AT ALL FLOOR, WALL AND CEILING PENETRATIONS FOR PLUMBING LINES AND/OR FIXTURES. ALL GAPS, HOLES, ETC. AROUND LINES AT PENETRATIONS SHALL BE SEALED AND CAULKED SOLID AS PER HEALTH DEPARTMENT REQUIREMENTS.

21) PLUMBER TO DRAIN ALL NOTED REFRIGERATION UNITS TO FLOOR SINKS, INCLUDING REFRIGERATOR COILS, UNLESS OTHERWISE NOTED.

22) PLUMBER TO PROVIDE INTERIOR HOSE BIBBS AS INDICATED ON DRAWINGS OR AS DIRECTED BY INSPECTOR (FOR USE AS TRAP PRIMERS AT FLOOR DRAINS. PROVIDE VACUUM BREAKER TYPE AT EACH UNIT. IN PUBLIC AREAS (TOILETS) BIBBS SHALL BE KEY-TYPE OPERATION FOR SECURITY REASONS).

23) PLUMBER TO FURNISH AND INSTALL PRESSURE REGULATOR RELIEF VALVE AND CHECK VALVE ON MAIN SUPPLY TO SPACE TO INSURE THAT WATER PRESSURE DOES NOT EXCEED 60 PSI AND IS NOT LESS THAN 40 PSI. PROVIDE MAIN SHUT VALVE AND LOCATE FOR EASY ACCESS BY OWNER.

24) PLUMBER TO PROVIDE AND INSTALL WATER HEATER PER PLUMBING ENGINEER'S SPECIFICATIONS IF NEW WATER HEATER IS REQUIRED. PLUMBER, MECHANICAL CONTRACTOR AND GENERAL CONTRACTOR TO PROVIDE PROPER VENTING AND COMBUSTION AIR.

25) INSTALL INSULATION AROUND ALL HOT WATER PIPING IN WALLS OR ABOVE CEILINGS. INSULATE DRAIN LINES FROM ICE SINKS, ICE BINS, OR ICE PANS TO ELIMINATE CONDENSATION ON THESE ITEMS.

26) PLUMBING CONTRACTOR TO SIZE, FURNISH, LOCATE AND INSTALL GREASE TRAP OR INTERCEPTOR AS REQUIRED BY LOCAL CODE. PLUMBER SHALL CONNECT FIXTURE WASTE LINES TO GREASE TRAP AS REQUIRED BY CODE.

27) ALL WASTE AND WATER PIPING PENETRATING CONCRETE FLOOR SLAB SHALL BE WRAPPED FOR PROTECTION.

28) PLUMBER TO MAINTAIN 10'-0" MINIMUM SEPARATION BETWEEN VENTS THROUGH ROOF AND OUTSIDE AIR INTAKES. VERIFY IF EXISTING VENTS CAN BE REUSED; IF NOT PROVIDE NEW ONES TO ROOF.

29) ALL FLOOR SINKS TO BE SUPPLIED WITH ACID RESISTING ENAMELED CAST IRON GRATE WITH 1/4 OPENING AND DOME STRAINER.

30) PROVIDE A VACUUM BREAKER OR BACK FLOW PREVENTION DEVICE AT MOP SINK (INTEGRAL PART OF FAUCET).

31) PROVIDE WATERPROOF MEMBRANE AT ALL FLOOR DRAINS AND FLOOR SINKS WHEN FLOOR IS OVER OPEN SPACE.

32) SECURELY FASTEN ALL PIPING TO THE BUILDING STRUCTURES BY MEANS OF HANGERS, SUPPORTS, GUIDES, ANCHORS AND SWAY BRACES TO MAINTAIN PIPE ALIGNMENTS TO PREVENT SAGGING AND TO PREVENT NOISE AN EXCESSIVE STRAIN ON PIPING DUE TO MOVEMENT UNDER OPERATING CONDITIONS.

33) PIPE HANGERS SHALL BE DESIGNED TO SUPPORT WEIGHT OF THE PIPE AND WEIGHT OF THE CONTENTS IN THE PIPE.

34) PROVIDE A HANGER NOT MORE THAN 12" FROM THE POINT OF CHANGE OF DIRECTION OF A PIPE RUN IN BOTH HORIZONTAL AND VERTICAL PLAN.

35) DO NOT SUPPORT PIPING OR VALVES FROM EQUIPMENT PIECES.

36) DO NOT SPRING OR PIERCE PIPING DURING INSTALL.

37) DO NOT SLEEVE STRUCTURAL MEMBERS WITHOUT CONSENT OF THE ARCHITECT/ENGINEER. REVIEW ALTERNATIVE LAYOUT OF RUNS PRIOR TO PLACING ANY SLEEVES. IF NECESSARY, PLUMBER SHALL BE RESPONSIBLE FOR X-RAYING SLAB TO DETERMINE CONCEALED MEMBERS (E.G. POST TENSION SLAB WITH CABLES).

38) PROVIDE A TIGHT SEAL OF INCOMBUSTIBLE MATERIAL AROUND ALL PIPES WHICH PENETRATE FIRE SEPARATIONS. PROVIDE COLLARS OR TRIM RINGS AROUND PIPING TO RETAIN PACKING.

39) SLOPE ALL DRAINAGE PIPING WITHIN THE BUILDING WITH A MINIMUM FLOW FALL OF 1/4" PER FOOT.

40) INSTALL ALL PIPING CONCEALED IN WALLS, BELOW FLOORS, ABOVE CEILINGS OR FURRED OUT DRYWALL AREAS.

41) HOT AND COLD RUNNING WATER UNDER PRESSURE SHALL BE PROVIDED IN ALL AREAS IN WHICH FOOD IS PREPARED OR UTENSILS ARE WASHED. ALL HANDWASHING FACILITIES SHALL BE EQUIPPED WITH HOT AND COLD RUNNING WATER PER HEALTH DEPARTMENT.

42) PER HEALTH DEPARTMENT REQUIREMENT, A TEMPERATURE GAUGE SHALL BE INSTALLED IN HU TO DISHWASHER AS CLOSE AS POSSIBLE TO ENTRY INTO MACHINE. ALSO A GAUGE COCK SHALL BE ATTACHED AS CLOSE AS POSSIBLE TO TEMPERATURE GAUGE FOR THE PURPOSE OF TESTING THE ACCURACY OF THE INSTALLED THERMOMETER.

43) IF REQUIRED BY THE BUILDING DEPARTMENT, THE PLUMBER, UNDER HIS PERMIT APPLICATION, SHALL PROVIDE DRAWINGS OR DIAGRAMS OF PIPING LAYOUT, SEWER PIPE SIZES, VENTING CONNECTIONS, ETC.

44) PLUMBER SHALL DETERMINE TOTAL PROJECT REQUIREMENTS AND DETERMINE IF INCREASE SIZE OF SERVICE IS REQUIRED FOR GAS OR WATER. IF SO, BID PRICE SHALL INCLUDE WORK FOR NEW METERS, PIPING AND SERVICE CONNECTION COORDINATE AS SOON AS POSSIBLE WITH LOCAL SERVING AGENCY AND WATER DEPARTMENT.

45) PLUMBER SHALL REVIEW OPERATION OF EQUIPMENT, LOCATION OF VALVES, ETC. WITH THE OWNER AND/OR HIS REPRESENTATIVE AT THE COMPLETION OF THE PROJECT.

46) GENERAL CONTRACTOR TO PERFORM START UP AS REQUIRED.

SPECIAL NOTE:

1) PLUMBER TO VERIFY WITH CITY AGENCIES FOR GREASE TRAP SIZING, LOCATION OR SPECIAL REQUIREMENTS.

2) FIRE SUPPRESSION SUPPLIER TO SUPPLY GAS MAIN SHUT OFF VALVE. INSTALL TO BE "BY PLUMBER".

3) IN ABSENCE OF ENGINEERED PIPING DIAGRAM, ALL UNDERGROUND PLUMBING UTILITY LAYOUT TO BE "BY PLUMBER".

4) ALL D.C.S. HD. RANGES REQUIRE 3/4" GAS CONNECTION.

5) FLOOR SINK INSTALLATION IS CRITICAL AND MUST BE PLACED EXACTLY ACCORDING TO PLAN DIMENSIONS. ANY DISCREPANCIES SHALL BE REVIEWED WITH PROJECT COORDINATOR OR EQUIPMENT SUPPLIER. ALL FLOOR SINKS TO BE SUPPLIED WITH ACID RESISTING ENAMELED CAST IRON GRATE WITH 1/4 OPENING AND DOME STRAINER.

6) SEE MECHANICAL ENGINEER'S PLAN FOR UNDERGROUND PIPING. POT SINK PIPING TO GREASE TRAP AND GREASE TRAP REQUIREMENT PER APPENDIX H OF PLUMBING CODE.

7) ALL REFRIG. DRAWERS REQUIRE INDIRECT DRAIN W/ 1/2" Drip.

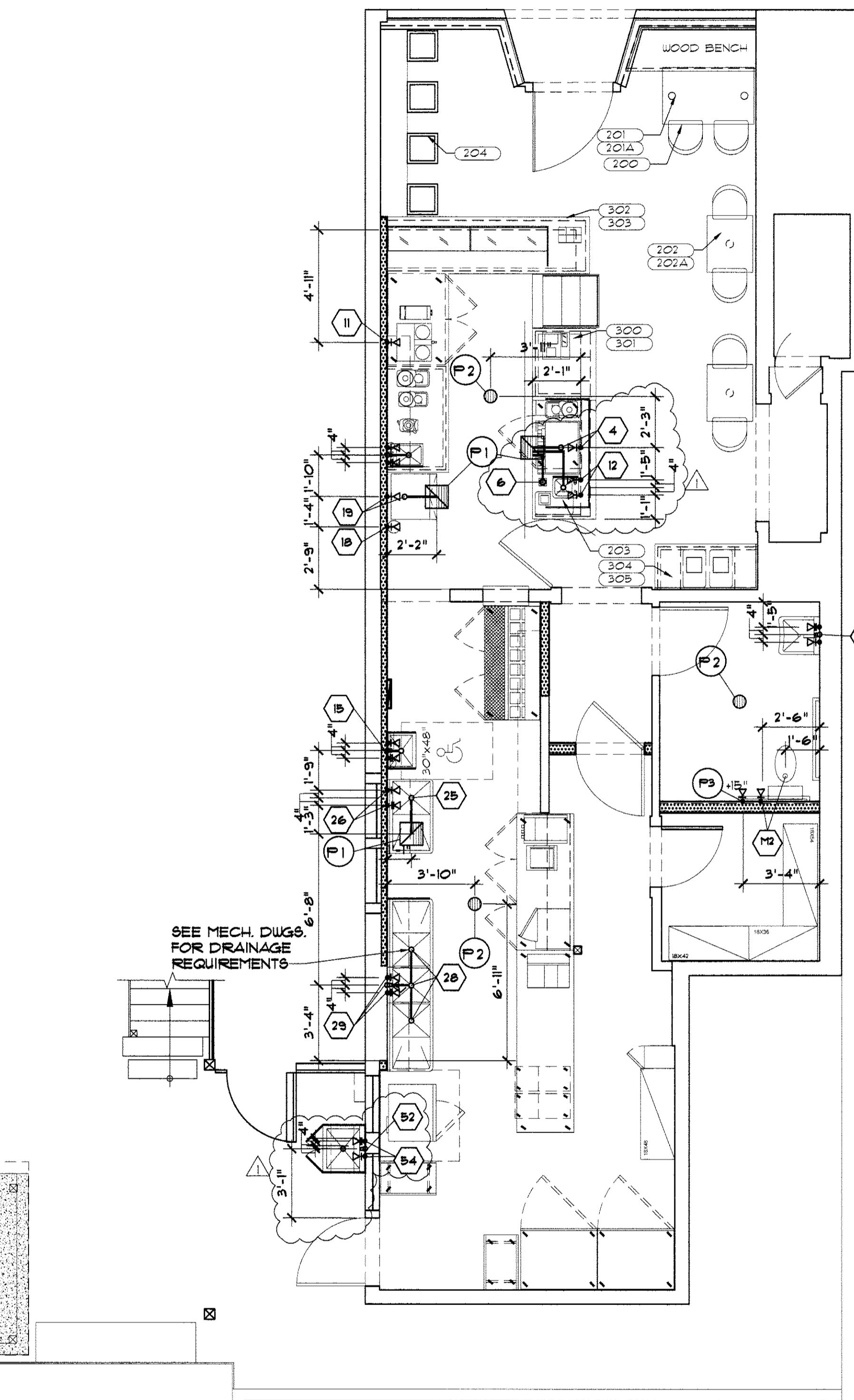
8) G.C. TO VERIFY INVERT ELEVATION PRIOR TO COMMENCEMENT OF WORK. NOTIFY R.D.C. IMMEDIATELY IF INVERT IS TOO HIGH.

9) G.C. TO VERIFY COMPRESSOR SIZE PRIOR TO INSTALLING LINES.

10) G.C. TO NOTIFY R.D.C. FM OF EXISTING OR NEW GAS MAIN SIZING TWO WEEKS PRIOR TO FINAL COORDINATION WITH FIRE SUPPRESSION CONTRACTOR.

11) VERIFY WITH MECHANICAL ENGINEER FOR GREASE TRAP REQUIREMENTS.

12) PLUMBER TO PROVIDE ALL NECESSARY PIPING, FITTINGS, "P" TRAPS, DRAIN BASKETS AS REQUIRED.



PLUMBING PLAN

SCALE 1/4" = 1'-0"

FOR EQUIPMENT SCHEDULE
SEE SHEETS K3.1 & K3.2



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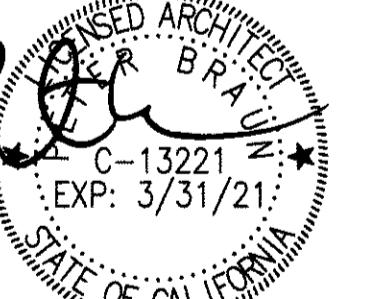
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HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY

ISSUE DESCRIPTION DATE

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PROJECT
NORTH
N



DATE: January 11 2021
DRAWN BY: JP CHECK: JY

JOB NO: 201104 SCALE: 1/4"=1'-0"

PLUMBING
PLAN

TITLE:

K5.0
SHEET:

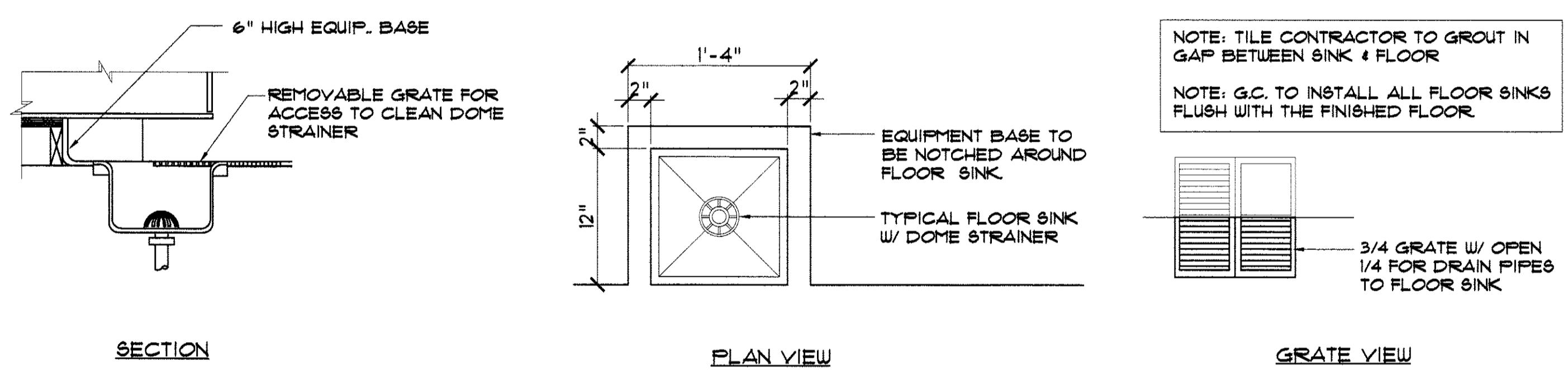
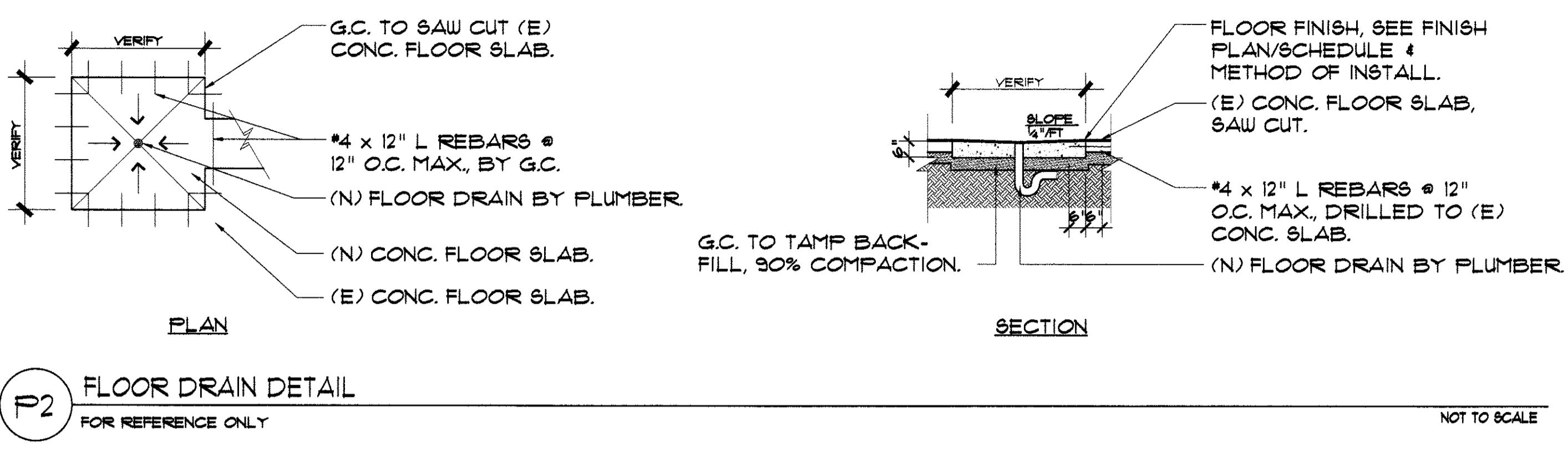
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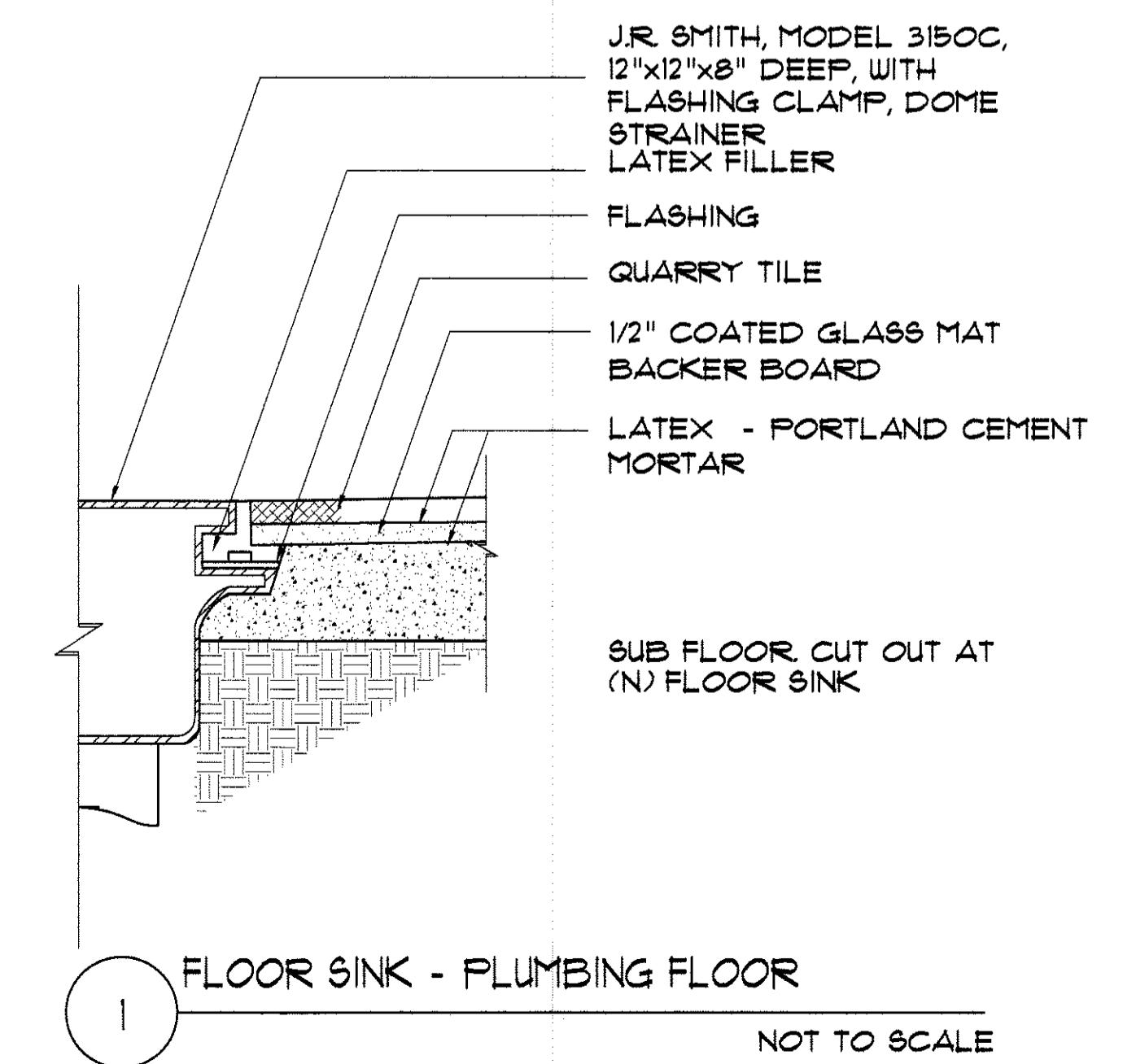
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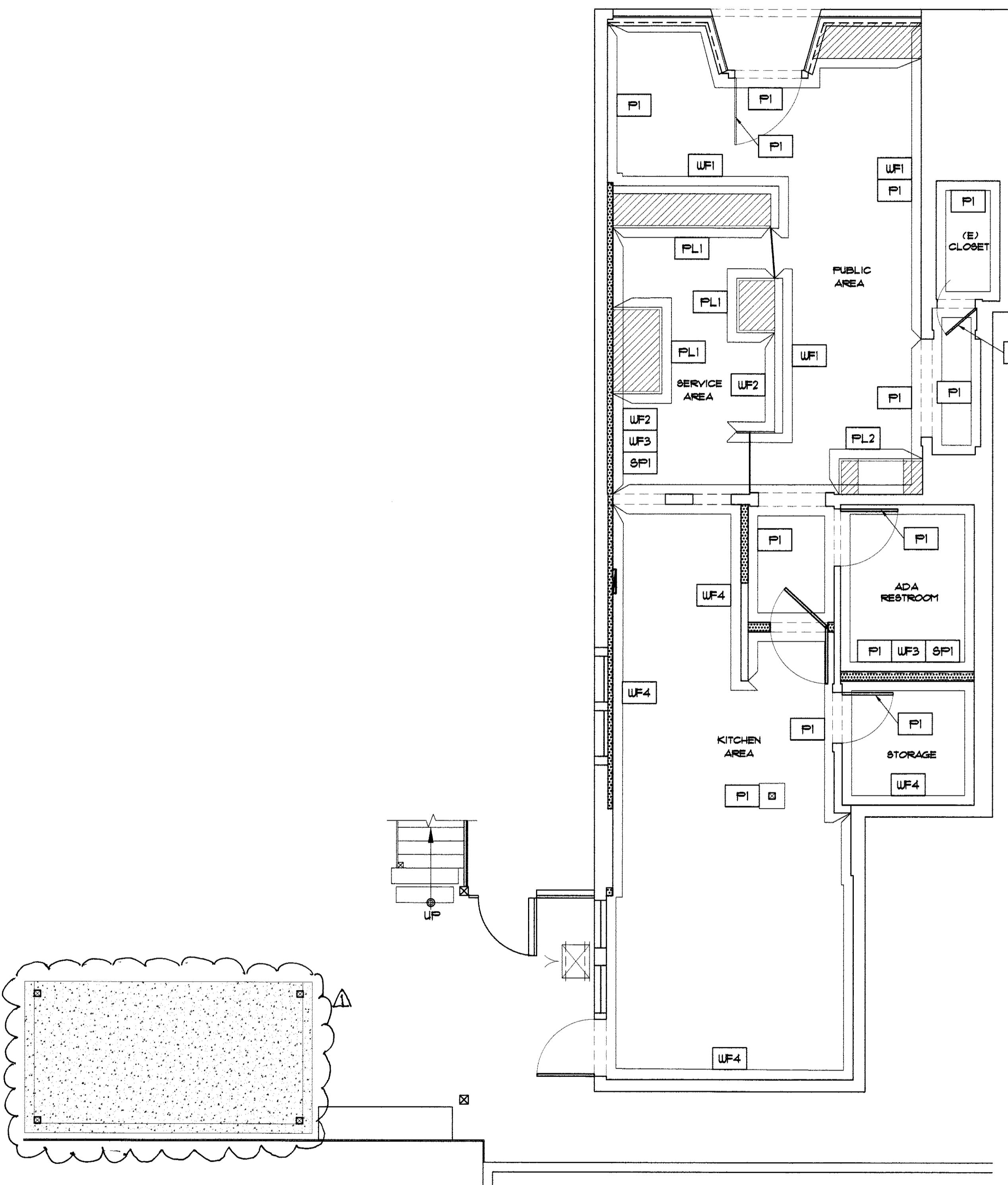
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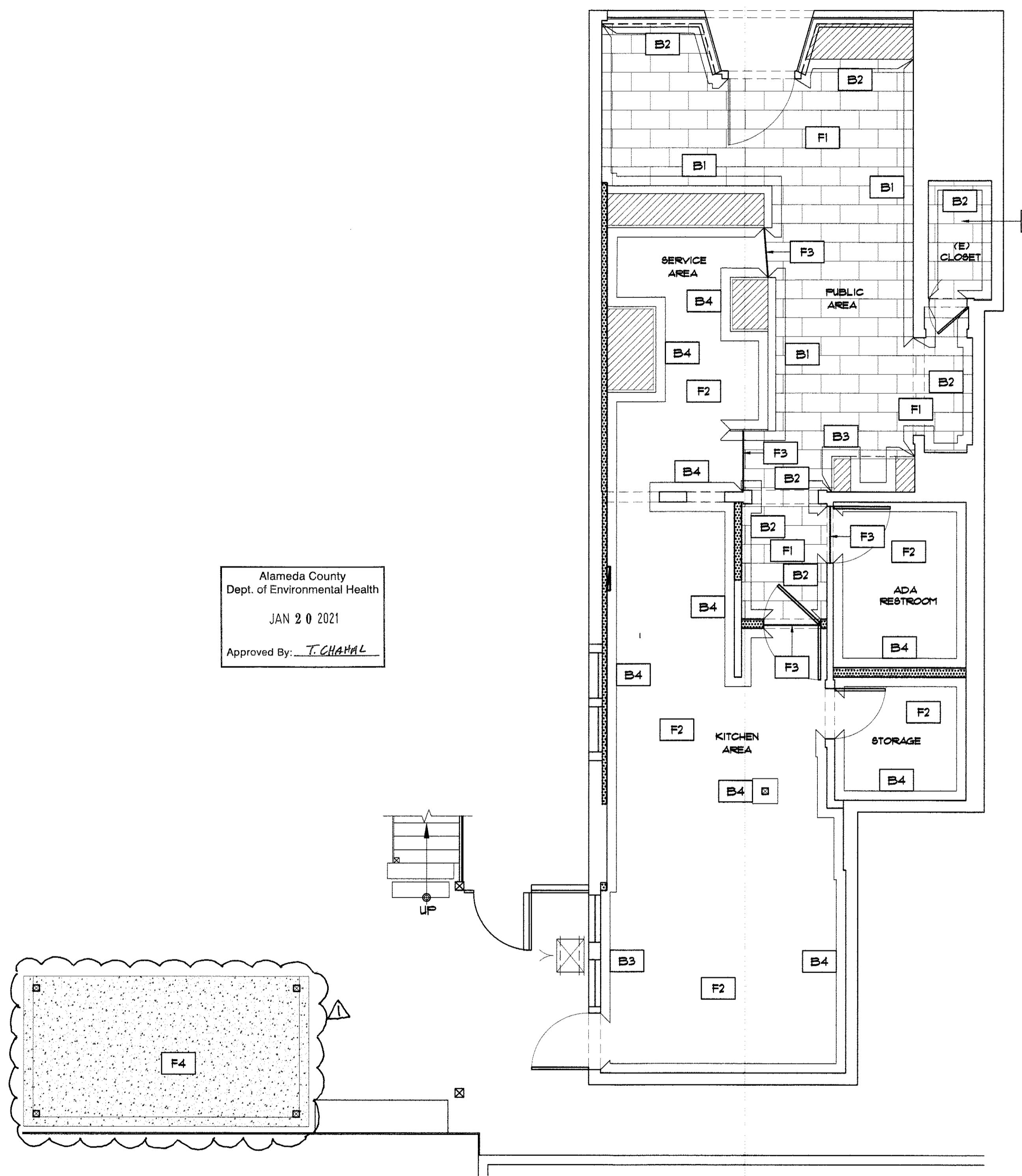
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WALL FINISH PLAN

SCALE 1/4" = 1'-0"



1 FLOOR FINISH PLAN

SCALE 1/4" = 1'-0"

T S I N I

SHEET:

K6.0

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DATE: January 11 2021
DRAWN BY: VR CHECK: JY
JOB NO: 201104 SCALE: N/A

THE SINGER

SHEET: 16.0

FINISH TAG LEGEND

CLG1	CEILING MATERIAL	SPI	SPECIAL MATERIAL
WFI	WALL TREATMENT	FI	FLOOR TREATMENT
PI	PAINT	BI	BASE
PLI	PLASTIC LAMINATE		TOEKICK



RESTAURANT
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PROJECT
NORTH
N

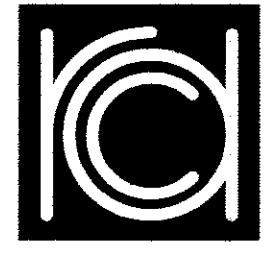


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DATE: January 11 2021
DRAWN BY: VR CHECK: JT
JOB NO: 201104 SCALE:N/A

FINISH
SCHEDULES
TITLE:
SHEET: K6.1

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1) G.C. TO PROVIDE ALL TRANSITION STRIPS AND THRESHOLDS WHERE THERE IS A HEIGHT CHANGE IN FLOOR MATERIALS. NOTE: HEIGHT DIFFERENTIAL CAN NOT BE MORE THAN 1/2". 2) SEE DOOR SCHEDULE AND ELEVATIONS FOR ALL DOOR AND FRAME FINISHES UNLESS OTHERWISE NOTED. 3) ALL WALL AND FLOOR TILE TO BE SEALED. 4) SEE SHT. K6.0 FOR FLOOR PATTERN, TRANSITION STRIP, AND LOCATION OF TOEKICKS. 5) SEE SHT. K8.0 FOR ALL ELEVATIONS. 6) SEE SHT. K1.0 RCP PLAN, FOR SIZE OF SOFFIT & CEILING HEIGHTS. 7) G.C. TO REPAIR ALL SUPERFICIAL DAMAGES BOTH PRE-EXISTING AND/OR AS A RESULT OF CONSTRUCTION. 8) ALL WALL AND CEILING FINISHES SHOULD COMPLY WITH TABLE 803.9 CBC FOR MAXIMUM FLAME SPREAD AND SMOKE DENSITY. 9) G.C. TO PROVIDE OWNER ACTUAL SAMPLES OF FINISHES FOR APPROVAL BEFORE INSTALLATION. 10) G.C. TO PREP. FLOOR FINISH FOR FLOORING INSTALLATION PER MANU. RECOMMENDATIONS.		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RESTAURANT DESIGN CONCEPTS

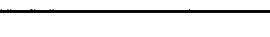
OAKLAND:
1021 COTTON ST.
OAKLAND, CA 94606

SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

510-436-7000
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LIGHTING SCHEDULE

ITEM NO.	QTY.	CATALOG NO.	AMOUNT AND TYPE OF BULB	WATTS PER FIXTURE	REMARKS	SUPPLIED BY	INSTALLED BY	SYMBOL
A	5 SETS	NORA LIGHTING NTE-875-935-B OR EQUAL	(3) 18 WATTS	54 WATTS	BLACK ROUND TRACK LIGHT, 3 PER TRACK FLOOD STYLE DIMMABLE/3500K/1100LM PER HEAD	G.C.	ELEC. CONT.	
B	SEE PLAN	LITHONIA CPANL LED CPANL 2X4 35K WITH BRACKET 5000 LUMENS	LED 4000K	42 WATTS	24" X 48" FLUSH MOUNT LED PANEL FRAME: ALUMINUM REPLACE (E) LIGHTING WITH THIS UNIT	ELEC. CONT.	ELEC. CONT.	
C	3 EA.	SEE K3.0 / ITEM #203 HANGOUT LIGHTING *CUSTOM SINGLE PENDANT	(1)-4W	4 WATTS 3500K	SINGLE PENDANT WITH BLACK HINGE CAGE LED EDISON BULB 6'-8" AFF.	TBD	ELEC. CONT.	
D	SEE PLAN	LITHONIA CPANL LED CPANL 2X2 35K WITH BRACKET 4400 LUMENS	LED 4000K	39 WATTS	24" X 24" FLUSH MOUNT LED PANEL FRAME: ALUMINUM	ELEC. CONT.	ELEC. CONT.	

FOOT CANDLES PER ROOM

ROOM:	REQ'D DISTANCE:	F.C.:
ALL FOOD PREP AREAS	WORKING SURFACE	50 MIN
STORAGE	30" AFF.	10 MIN
EQUIPMENT	INSIDE	10 MIN
RESTROOMS, DISHWASHING, HANDWASHING	30" AFF.	20 MIN
ALL OTHER AREAS DURING CLEANING	FLOOR	20 MIN

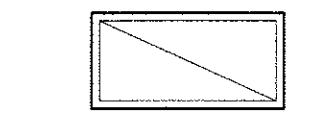
LIGHTING NOTES

1. SEE ELECTRICAL PLAN FOR ANY EMERGENCY AND BACK-UP LIGHTS
2. ALL LIGHTS TO BE ON DIMMERS
3. G.C. TO COORDINATE AND ARRANGE WITH LANDLORD'S ROOFING COMPANY FOR ALL ROOF CUTS, PENETRATIONS AND PATCHING REQUIREMENT. G.C. MUST INCLUDE SUCH WORK IN CONTRACT FOR CLIENT'S APPROVAL.
4. G.C. TO PROVIDE AND INSTALL FIRE WRAP OR FIRE SHAFT PER MECH. ENG. PLANS.
5. G.C. TO PROVIDE FLASHING BETWEEN WALK-IN REFRIGERATOR AND WALL AND CEILING PARTITIONS AS REQUIRED.

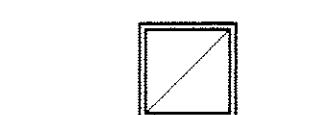
LEGEND



TRACK LIGHT SYSTEM



24" X 48" FLUSH MOUNT LED



⚠ HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY

IT IS CLIENT'S RESPONSIBILITY TO
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COMPLY WITH CITY, COUNTY AND FEDERAL
REQUIREMENT

Alameda County
Dept. of Environmental Health

JAN 20 2021

Approved By: T. CHANAL

REFLECTED CEILING PLAN

SCALE 1/4" = 1'-0"

TITLE: CEILING PLANS

SHEET: 1



RESTAURANT
DESIGN
CONCEPTS

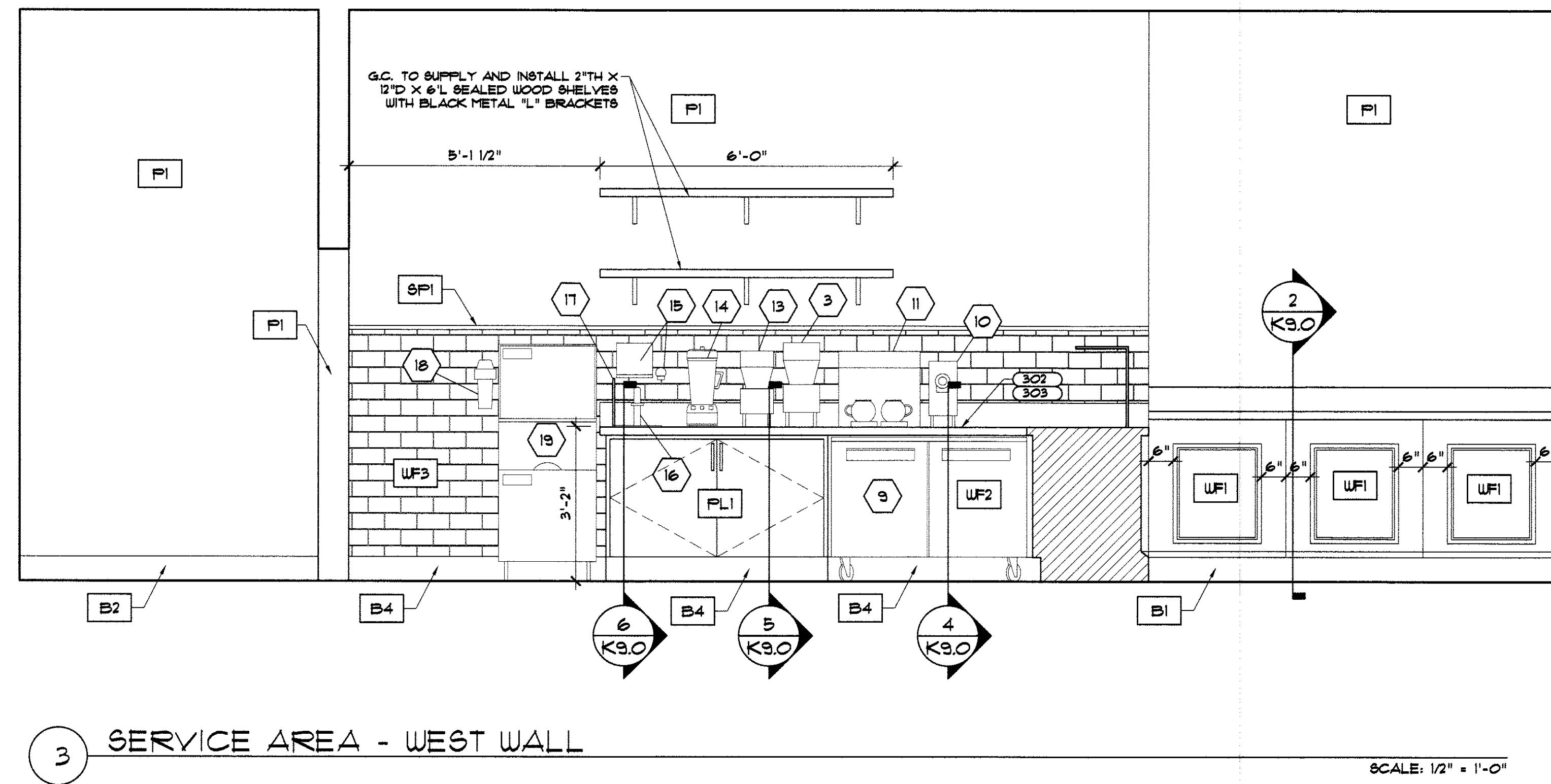
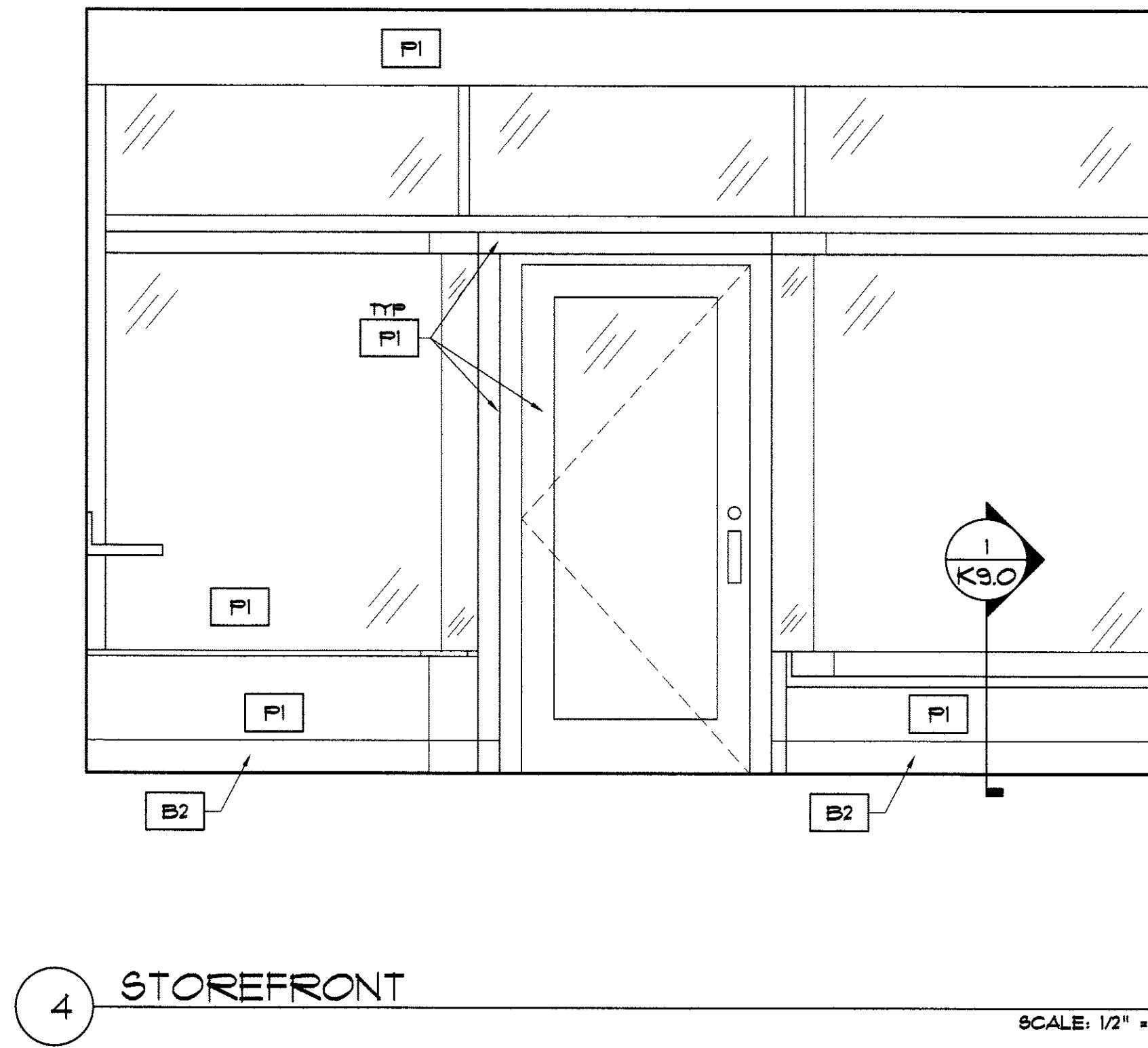
OAKLAND:
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SAN JOSE:
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SAN JOSE, CA 95110

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LAZYBIRD

930 CENTRAL AVE
ALAMEDA, CA 94501



Alameda County
Dept. of Environmental Health
JAN 20 2021
Approved By: T. CHAMAL

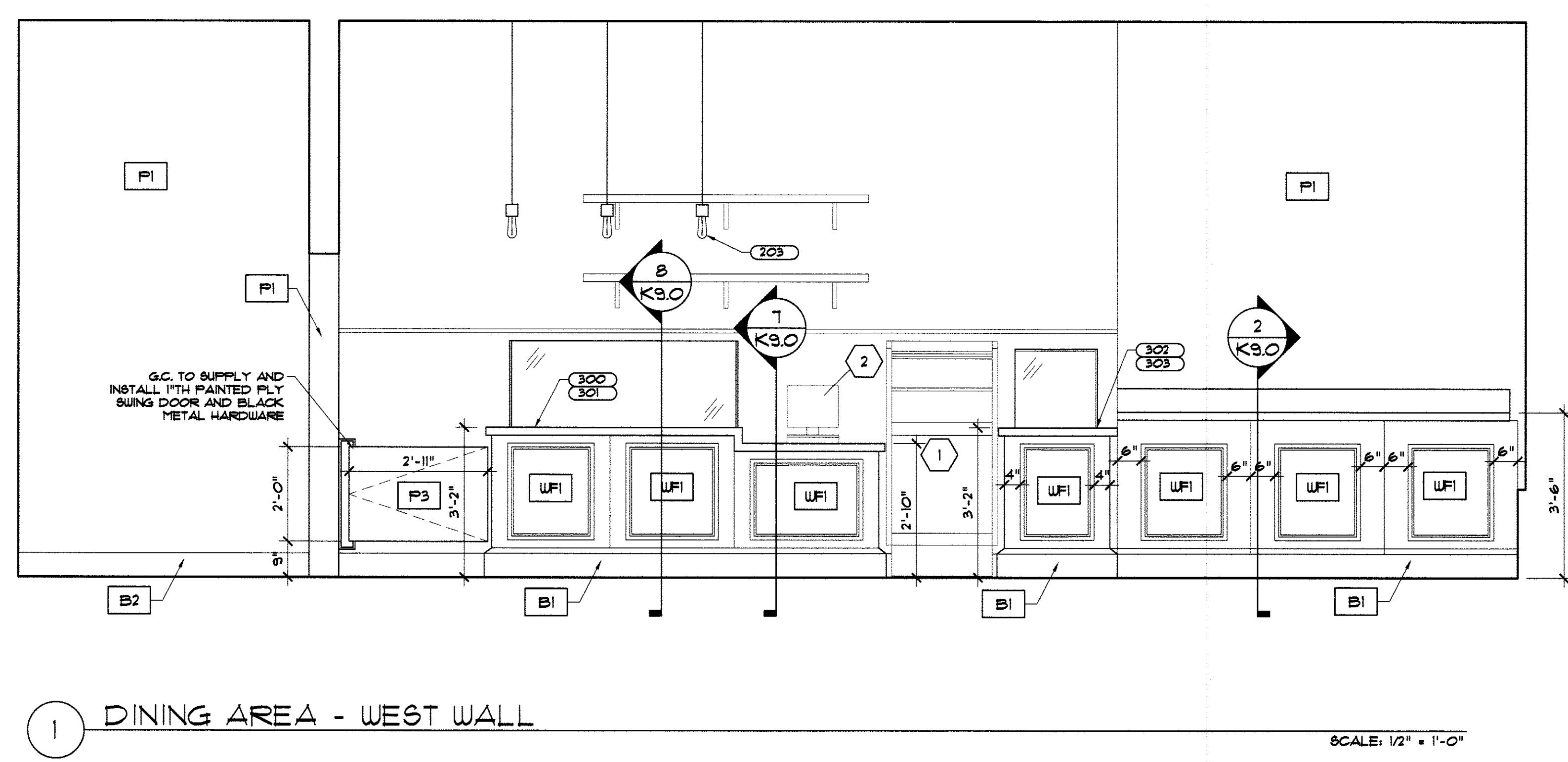
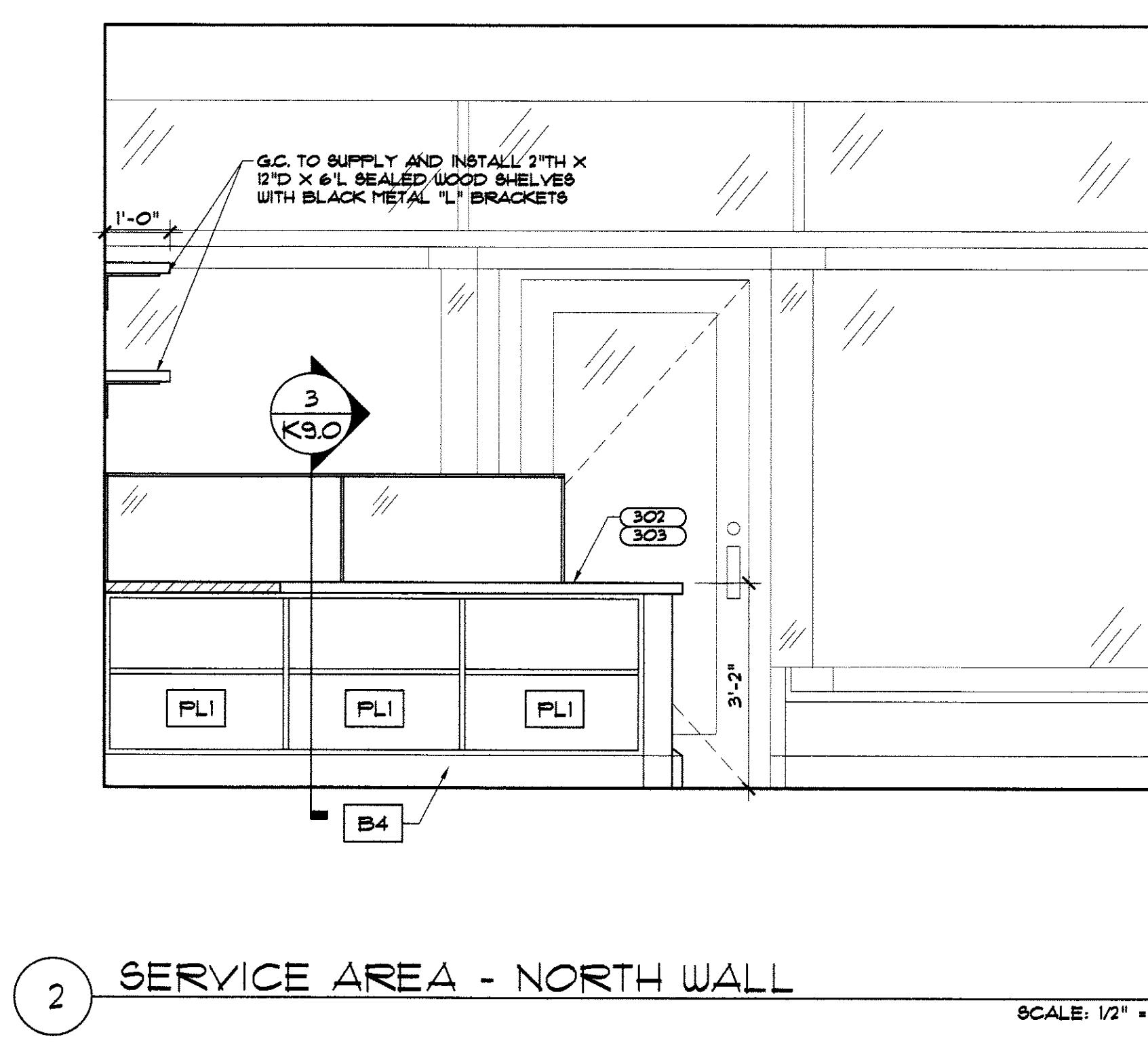
△HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY
ISSUE DESCRIPTION DATE

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PROJECT
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C-13221
EXP: 3/31/21

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WRITTEN CONTRACT.

DATE: January 11 2021
DRAWN BY: VR CHECK: JY
JOB NO: 201104 SCALE: 1/2" = 1'-0"



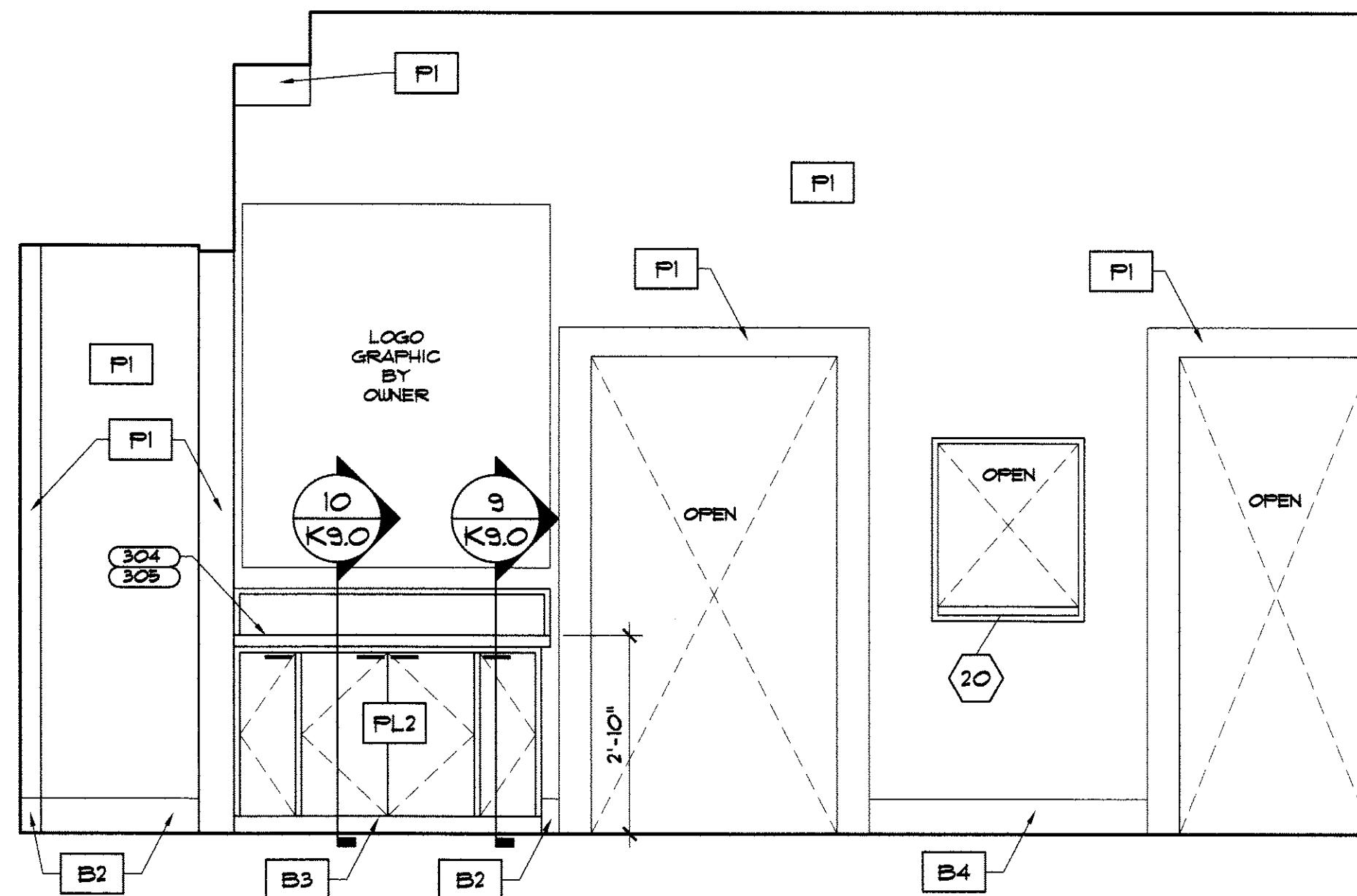
TITLE: ELEVATIONS
SHEET: K8.0

OAKLAND:
1021 COTTON ST.
OAKLAND, CA 94606

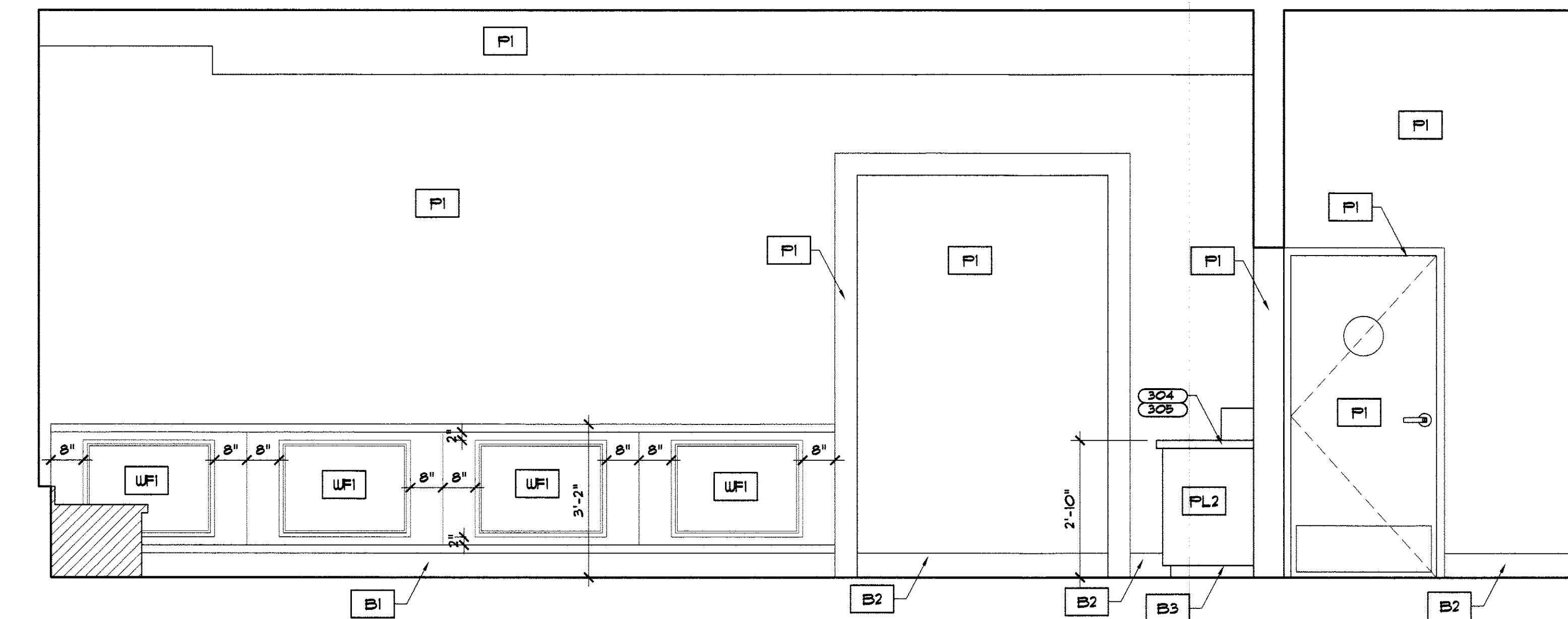
 SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

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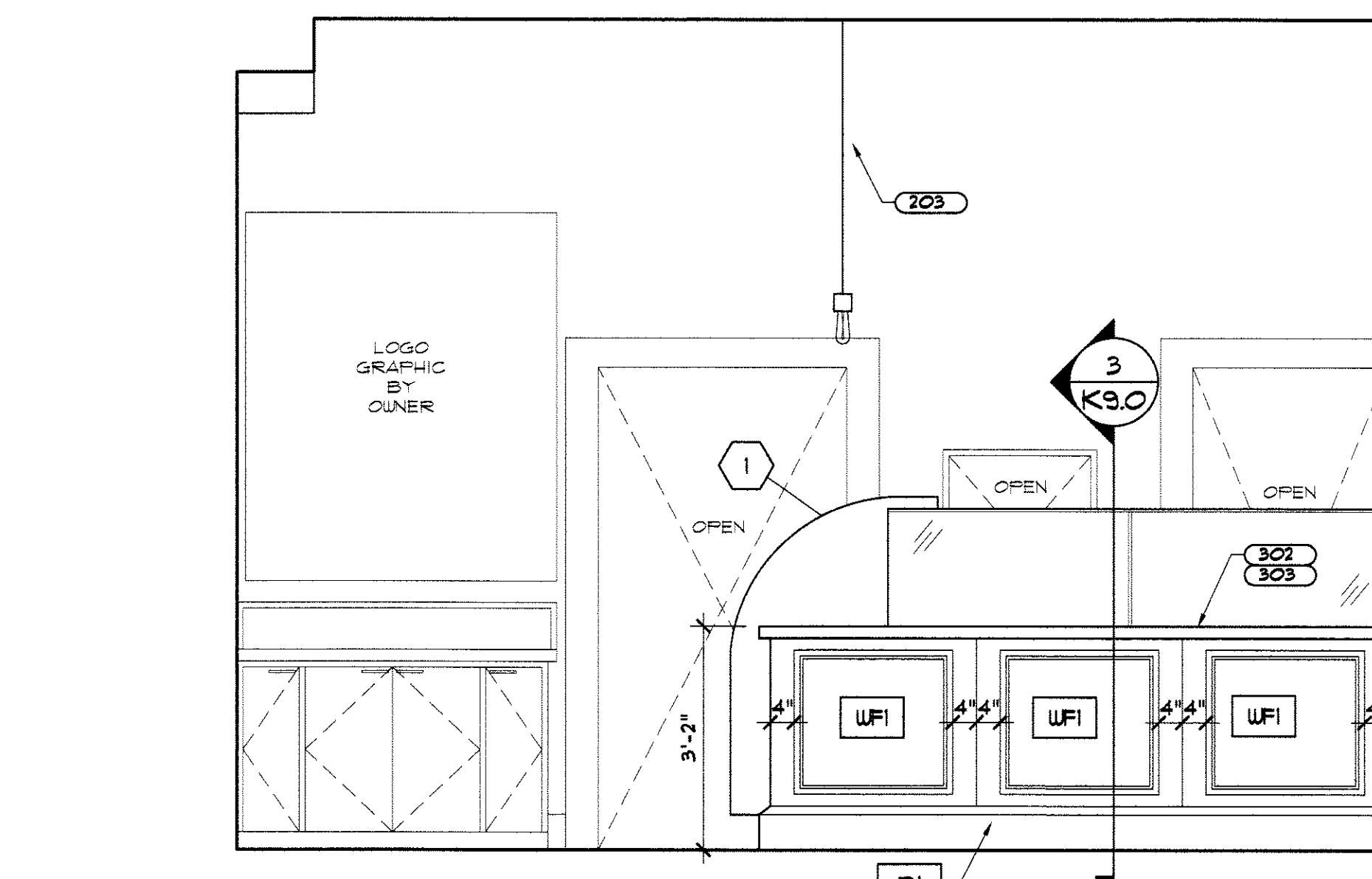
LAZYBIRD

 930 CENTRAL AVE
ALAMEDA, CA 94501

4 CONDIMENTS STATION

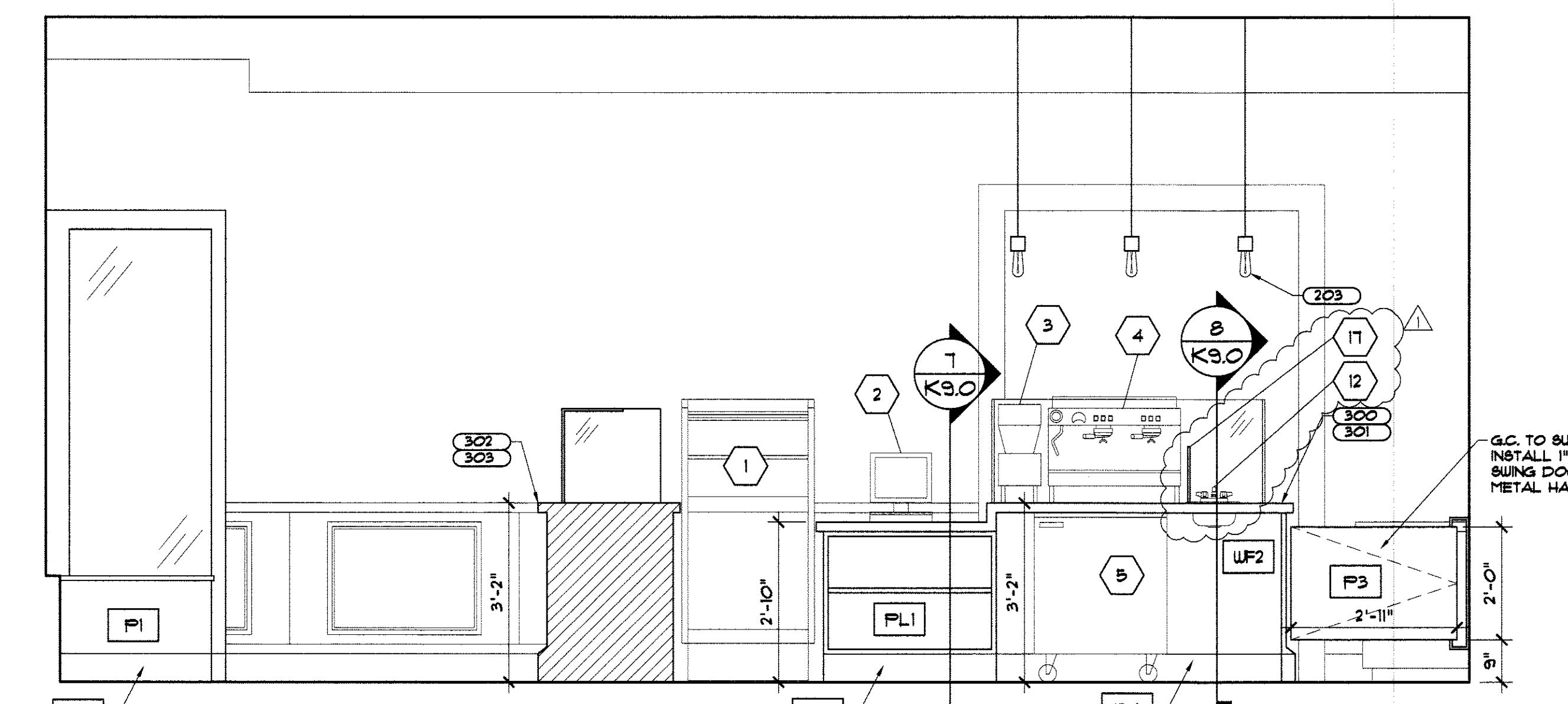
SCALE: 1/2" = 1'-0"


3 DINING AREA - EAST WALL

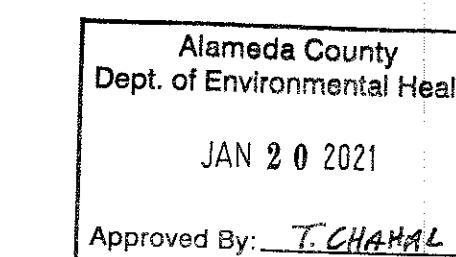
SCALE: 1/2" = 1'-0"


2 DINING AREA - SOUTH VIEW

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

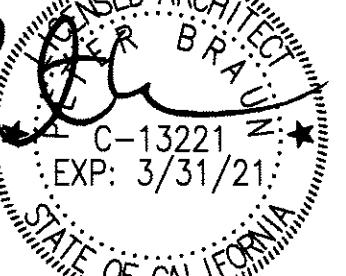

1 SERVICE AREA - EAST WALL

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



△HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY
ISSUE DESCRIPTION DATE

 IT IS CLIENT'S RESPONSIBILITY TO
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 PROJECT
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DATE: January 11 2021

DRAWN BY: VR CHECK: JY

JOB NO: 201104 SCALE: N/A

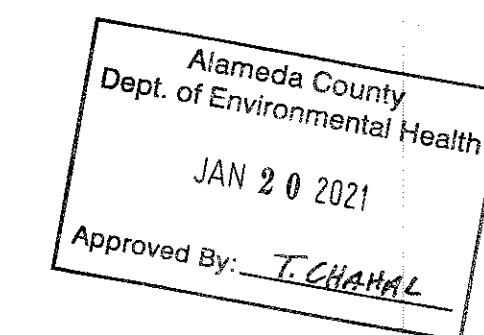
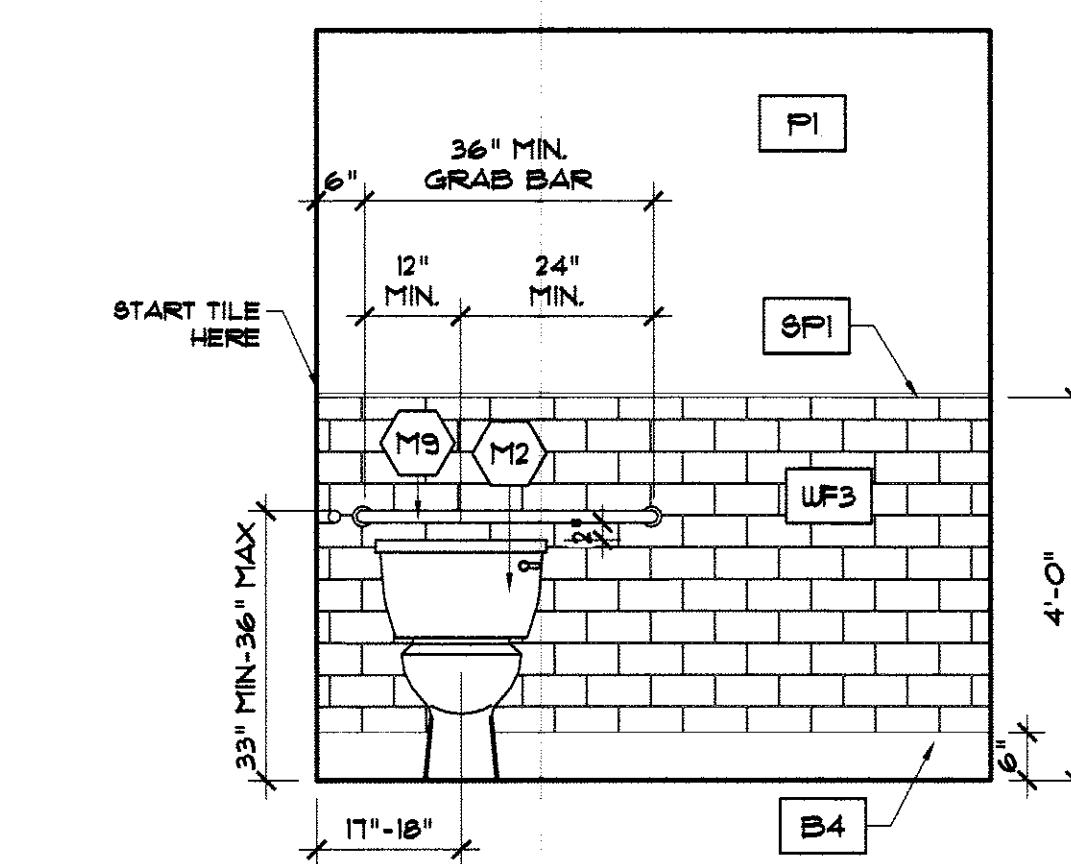
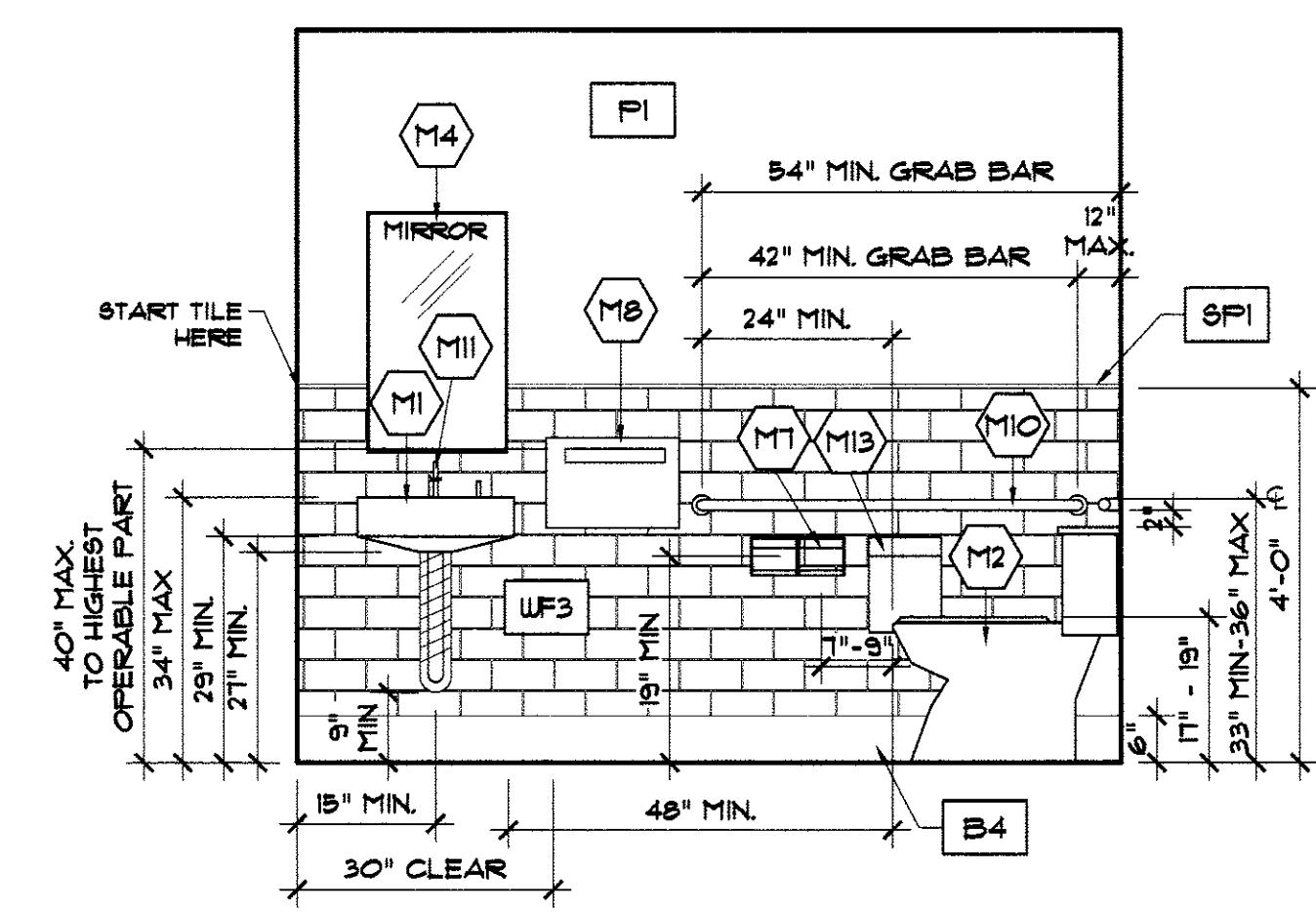
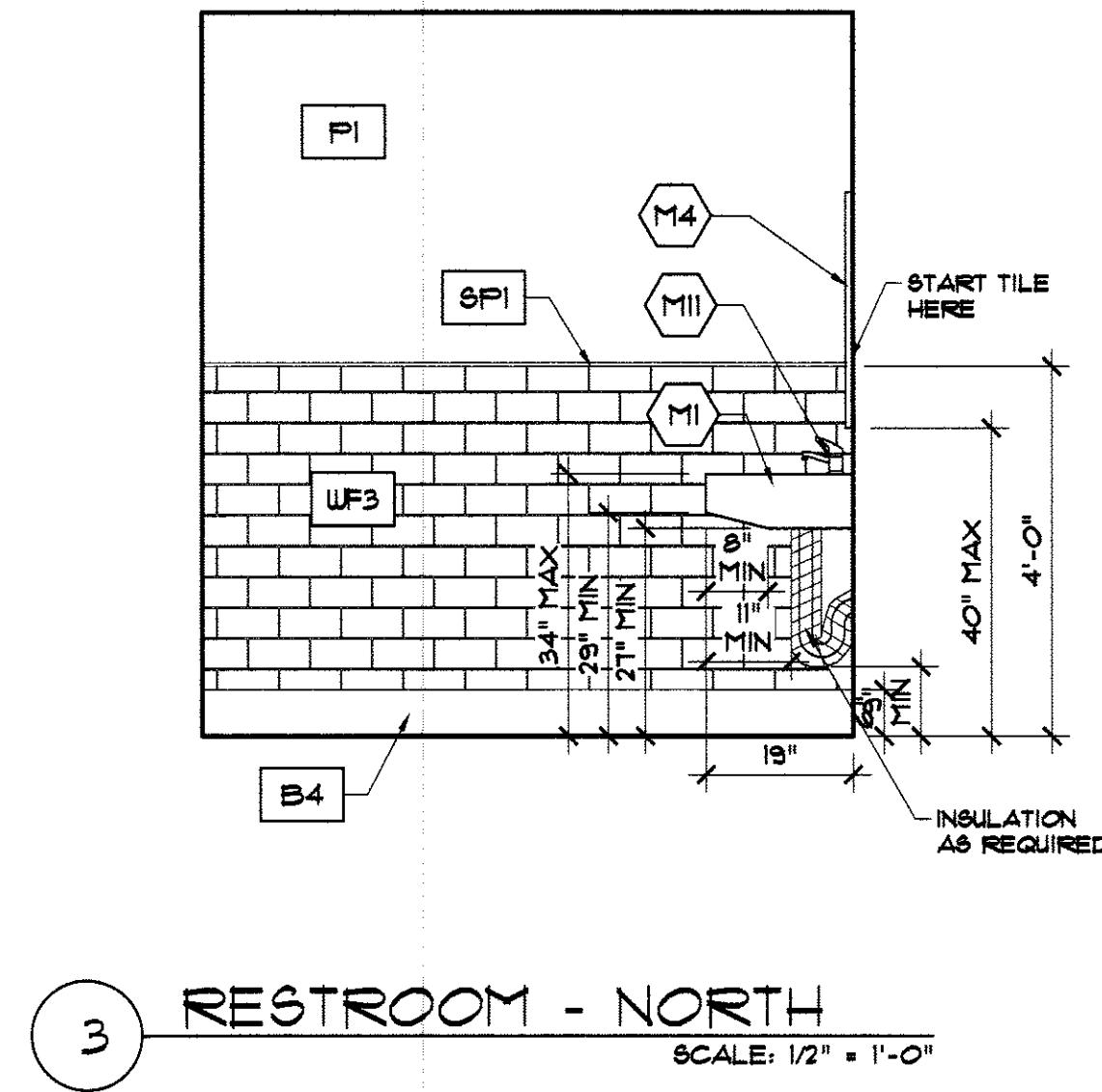
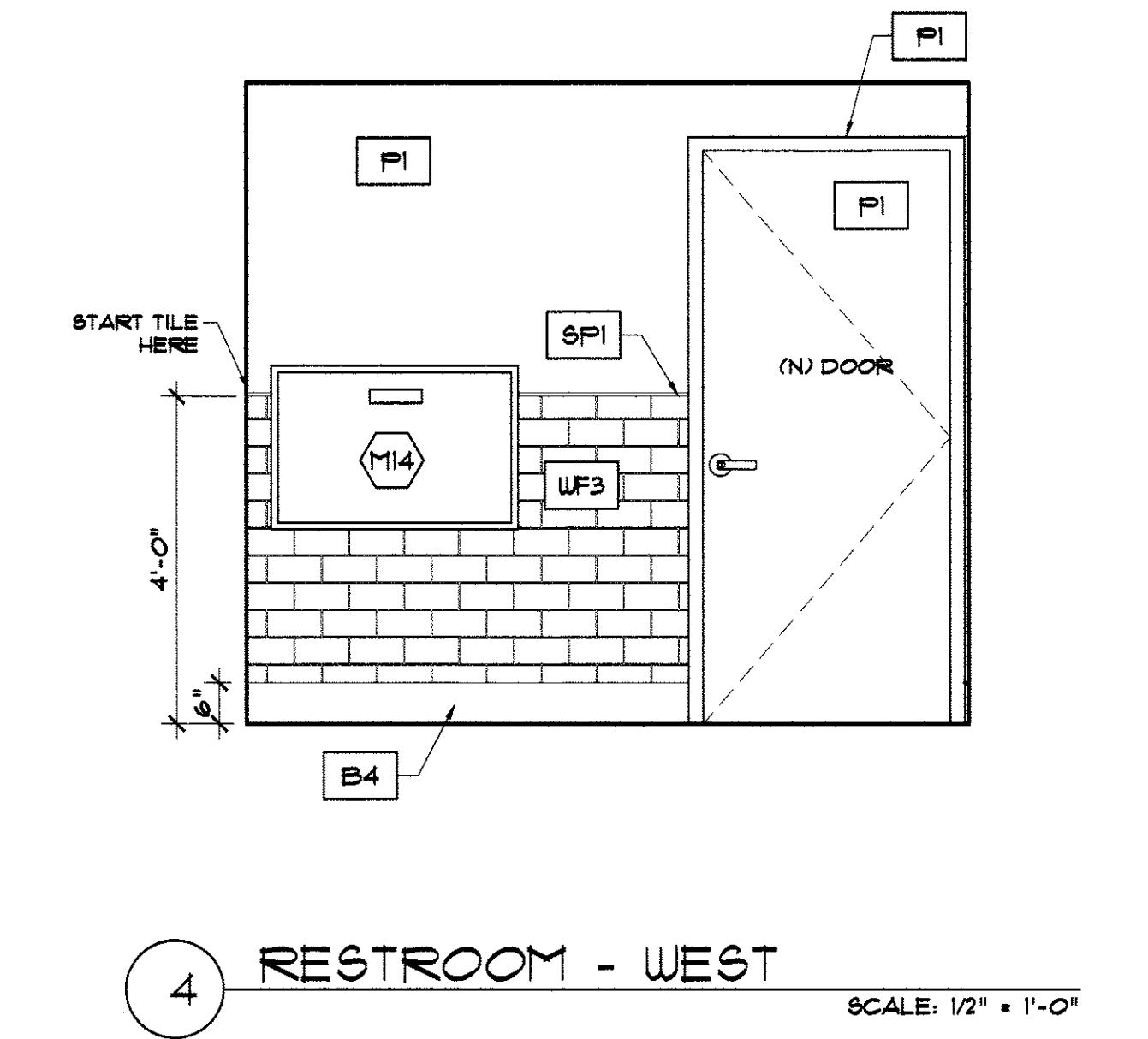
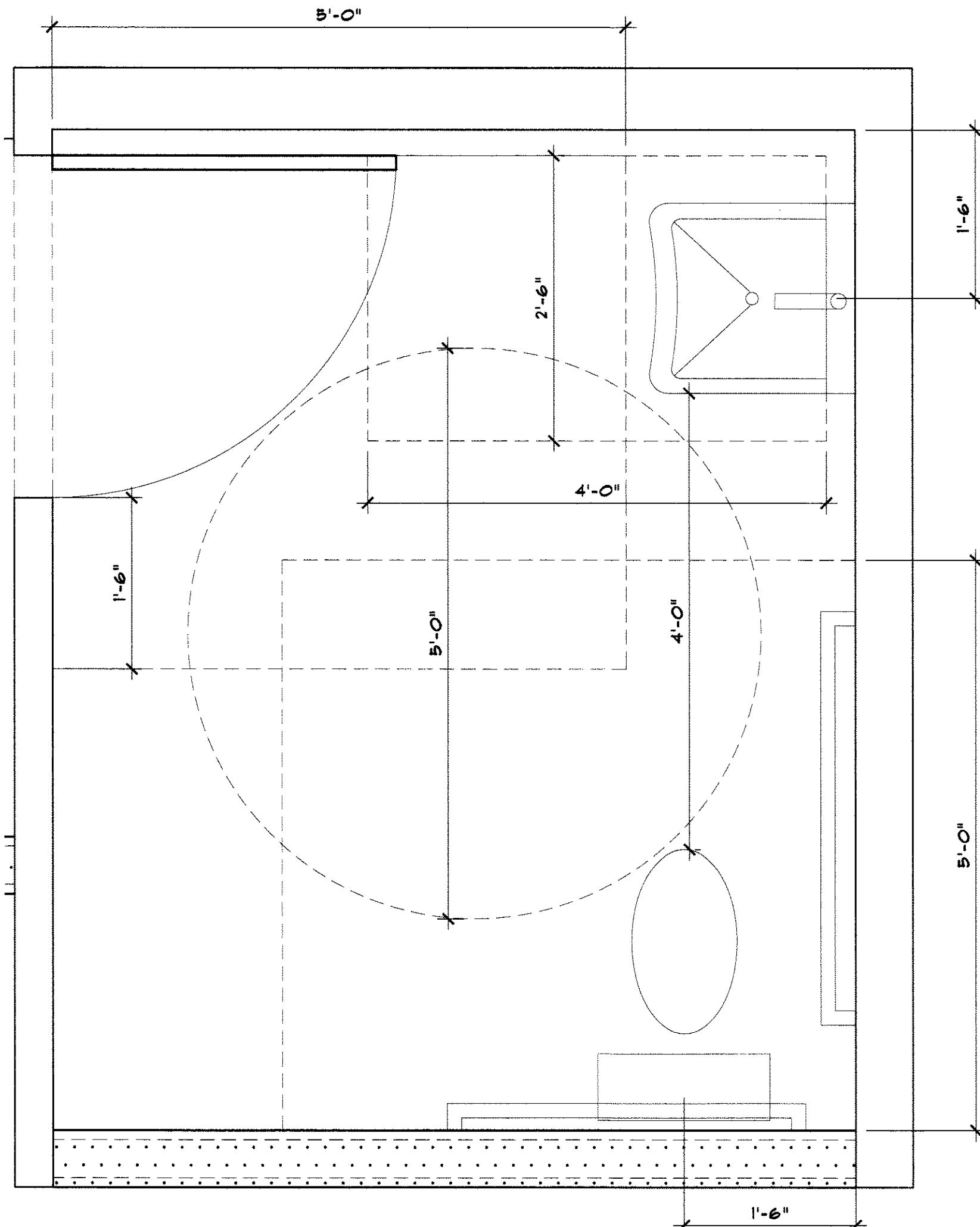
 TITLE: **ELEVATIONS**
SHEET: **K8.1**

OAKLAND:
1021 COTTON ST.
OAKLAND, CA 94606

 SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

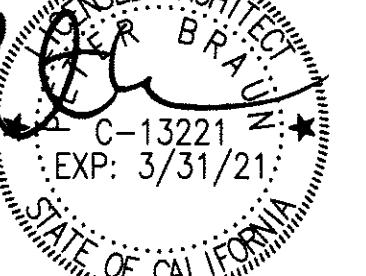
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LAZYBIRD

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ALAMEDA, CA 94501


△HEALTH RESUB	01-13-2021	
HEALTH SUB	12-28-2020	
PRELIMINARY	MM DD, YY	
ISSUE	DESCRIPTION	DATE

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 DATE: January 11 2021
DRAWN BY: VR CHECK: JT
JOB NO: 201104 SCALE: N/A

ELEVATIONS

SHEET: K8.2

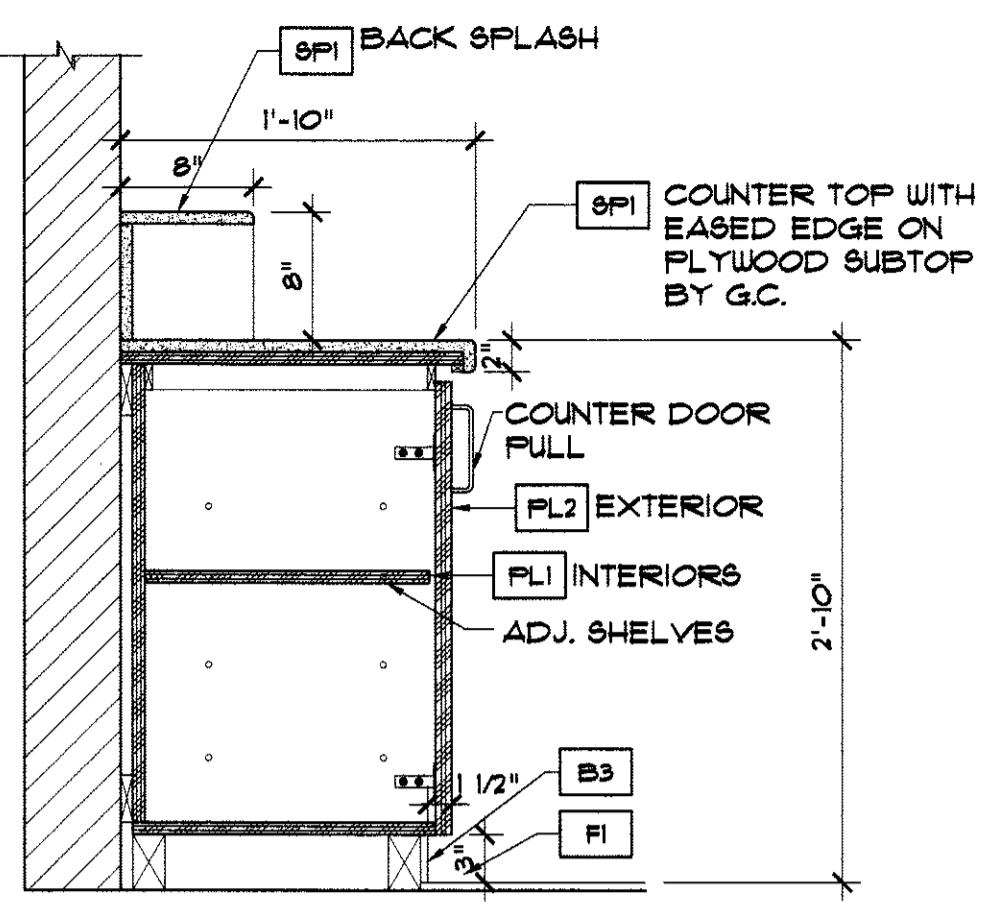


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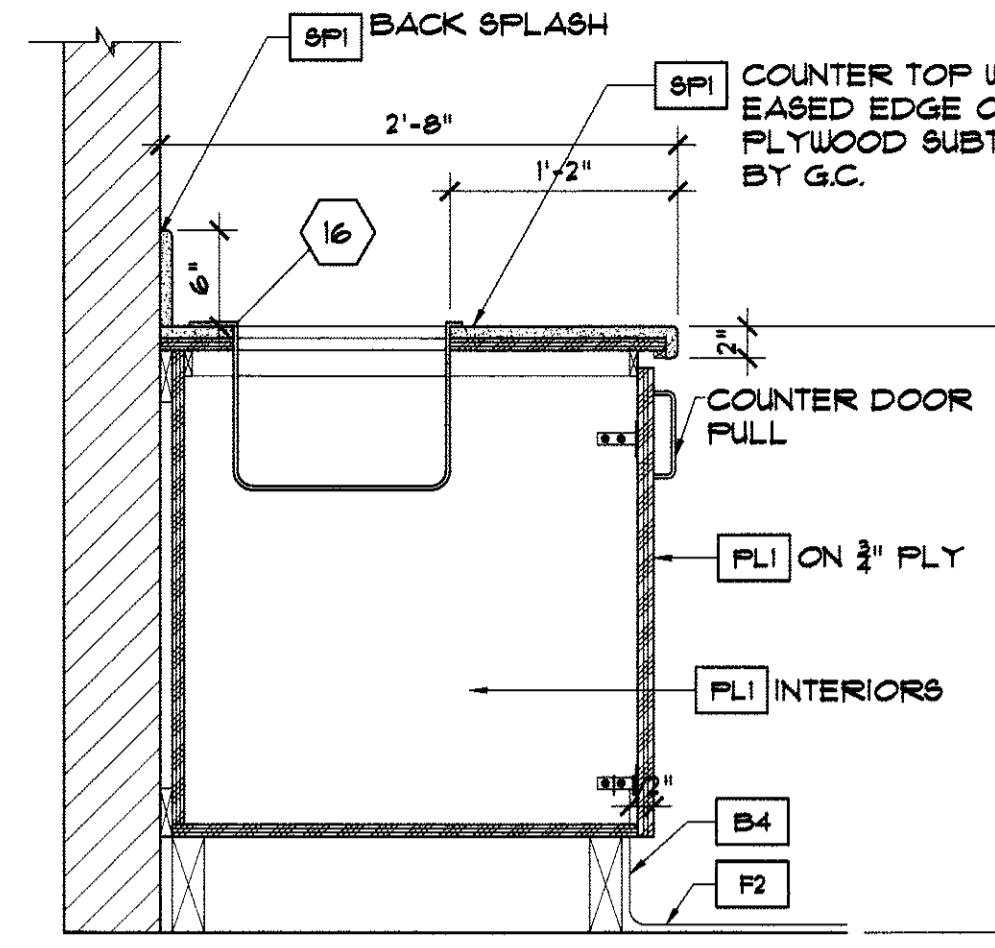
OAKLAND:
1021 COTTON ST.
OAKLAND, CA 94606

SAN JOSE:
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SAN JOSE, CA 95110

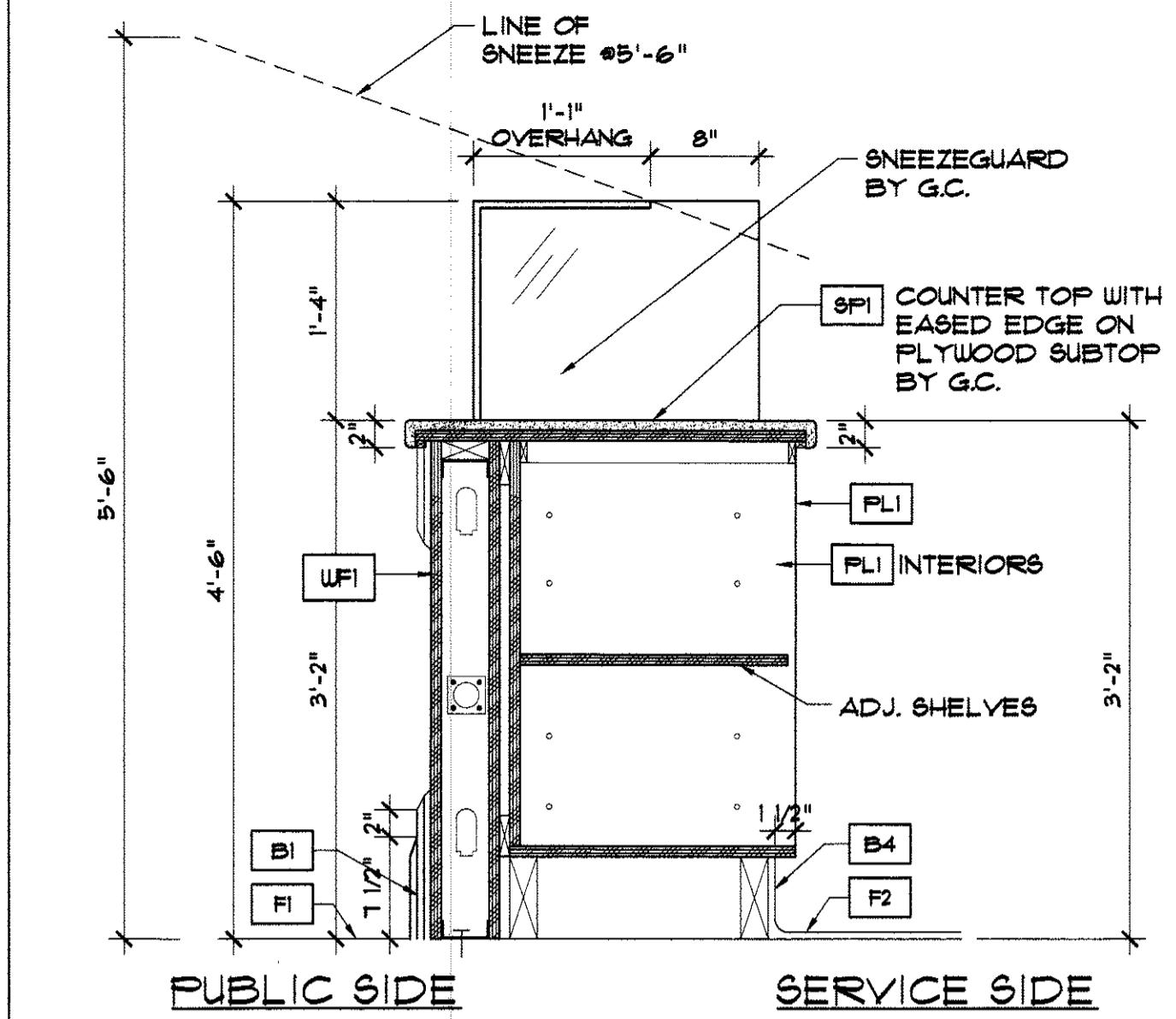
510-436-7000
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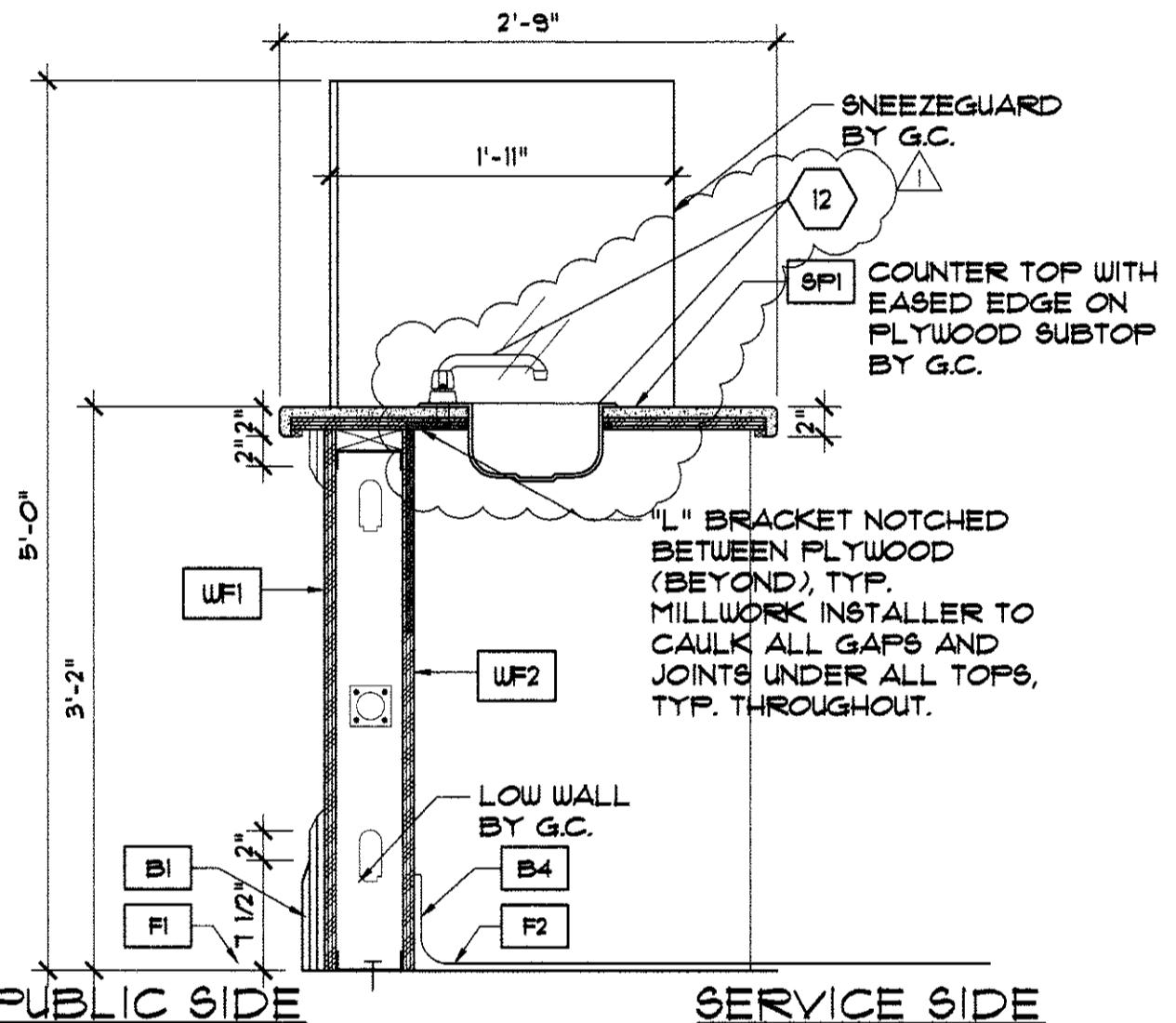
9 CONDIMENT COUNTER - SHELVES
ITEM #304, 305
SCALE: 1" = 1'-0"



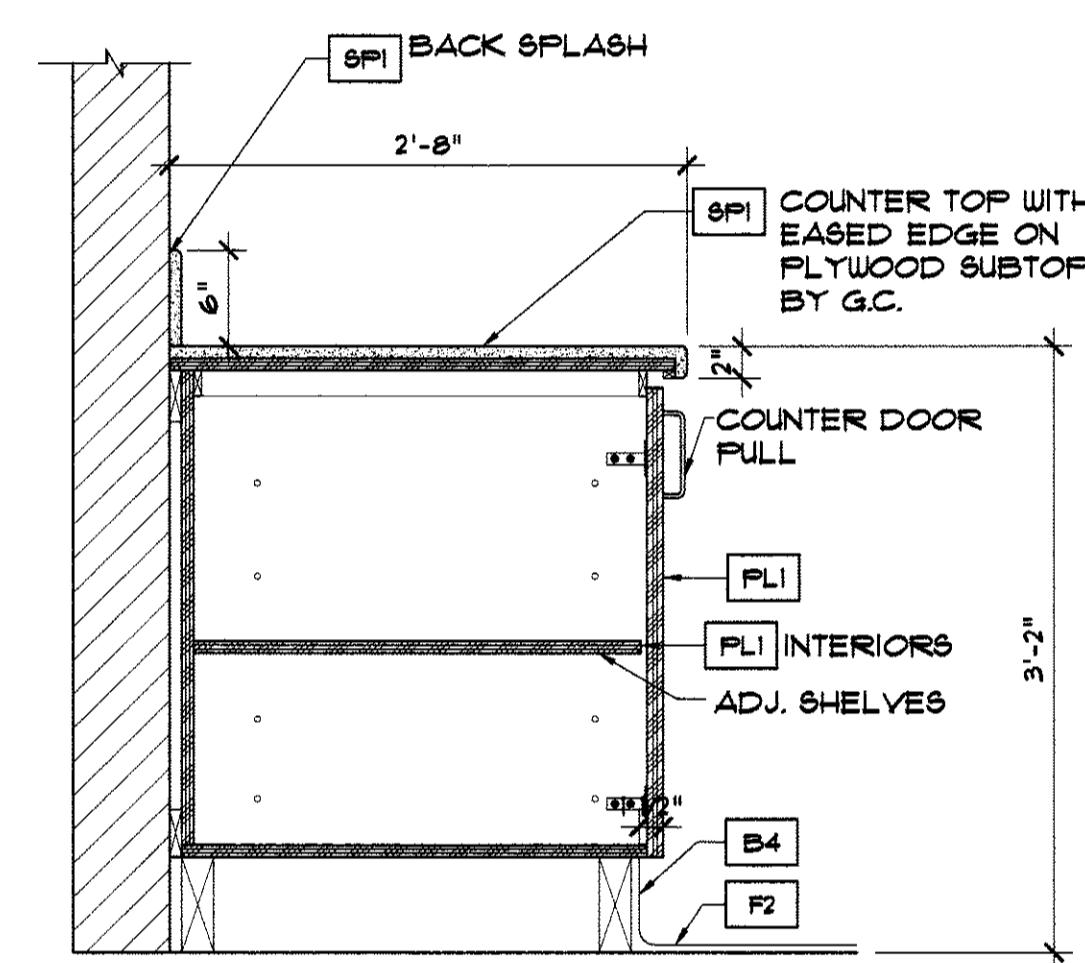
6 SERVICE COUNTER - SINK
ITEM # 302, 303
SCALE: 1" = 1'-0"



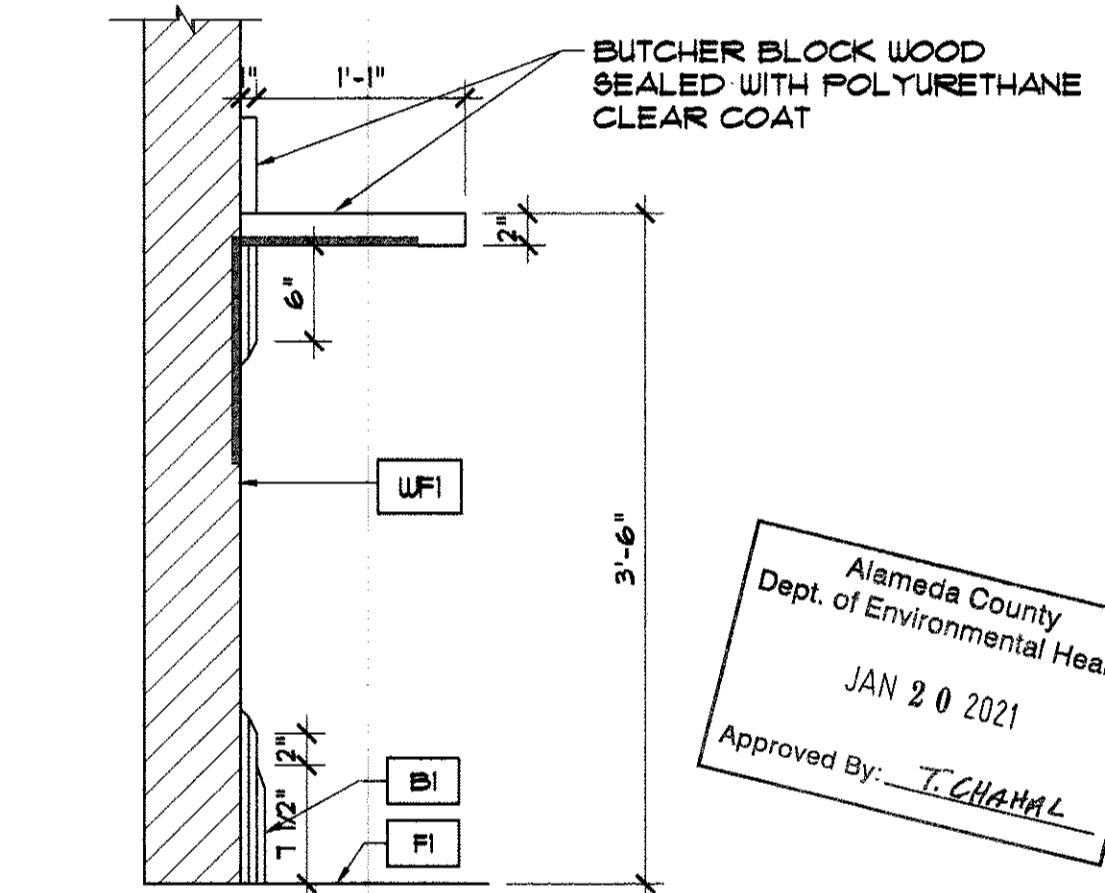
3 SERVICE COUNTER - SHELVES
ITEM # 302, 303
SCALE: 1" = 1'-0"



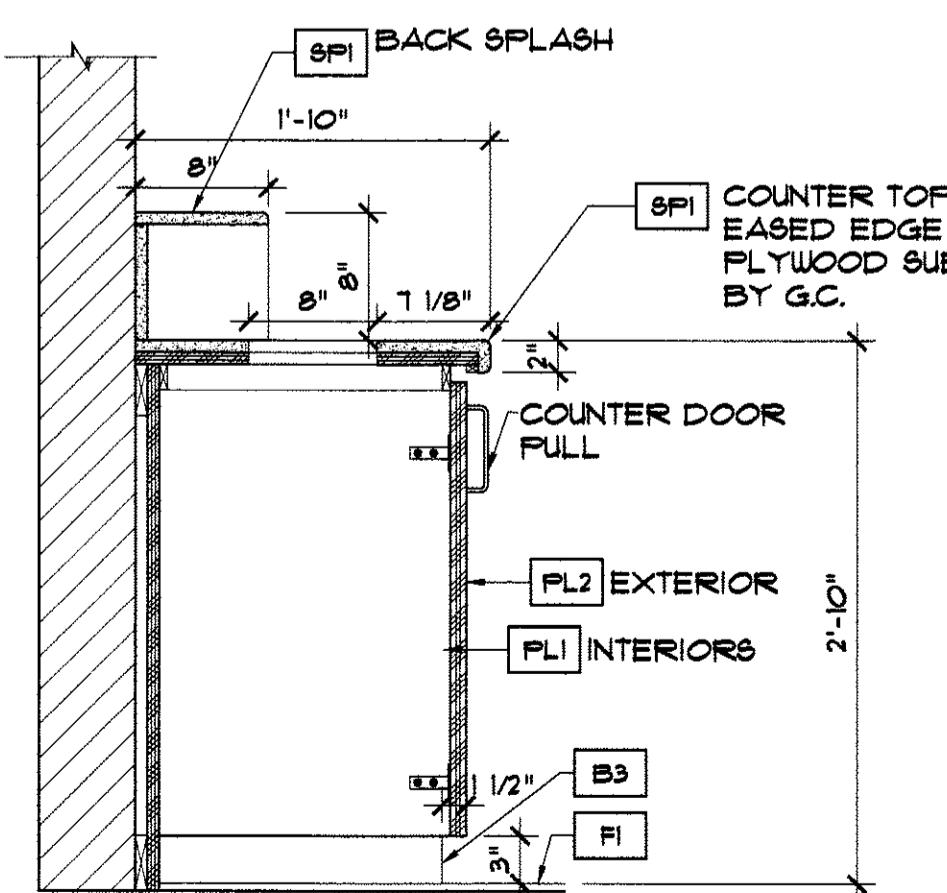
8 SERVICE COUNTER - ESPRESSO
ITEM #300, 301
SCALE: 1" = 1'-0"



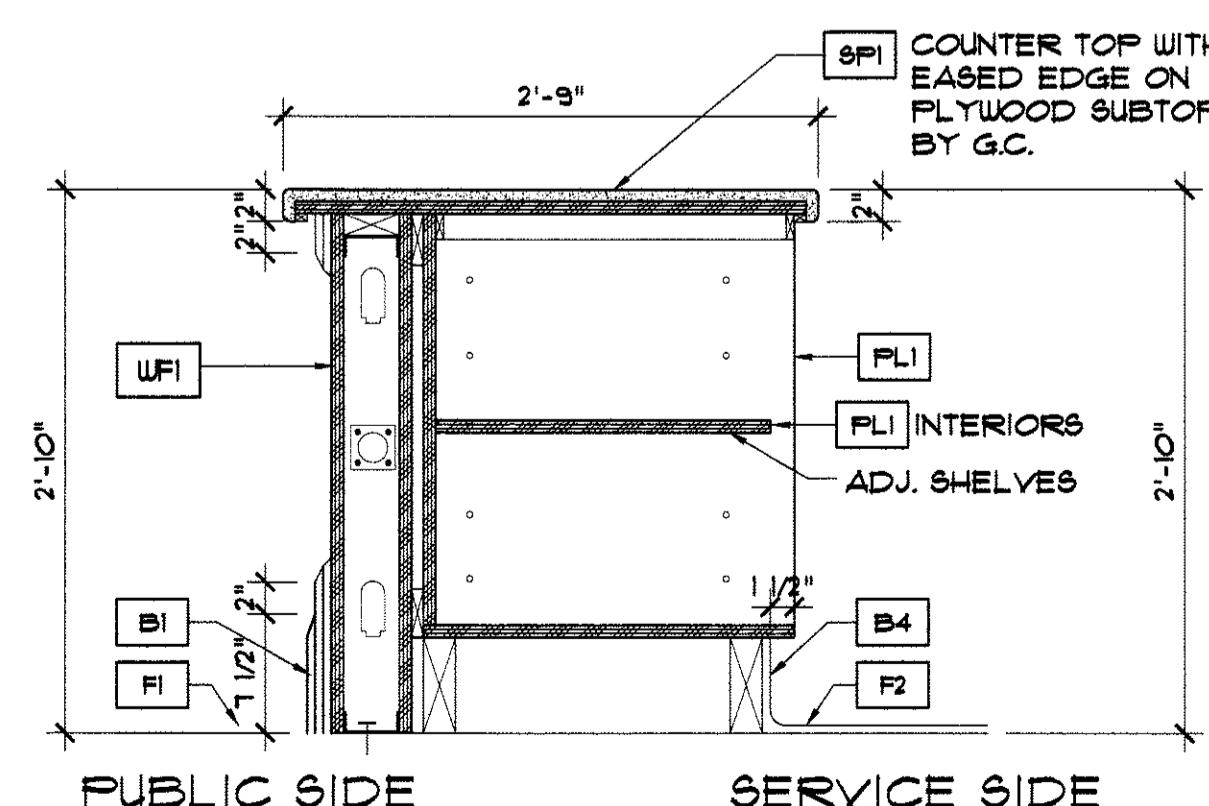
5 SERVICE COUNTER - SHELVES
ITEM # 302, 303
SCALE: 1" = 1'-0"



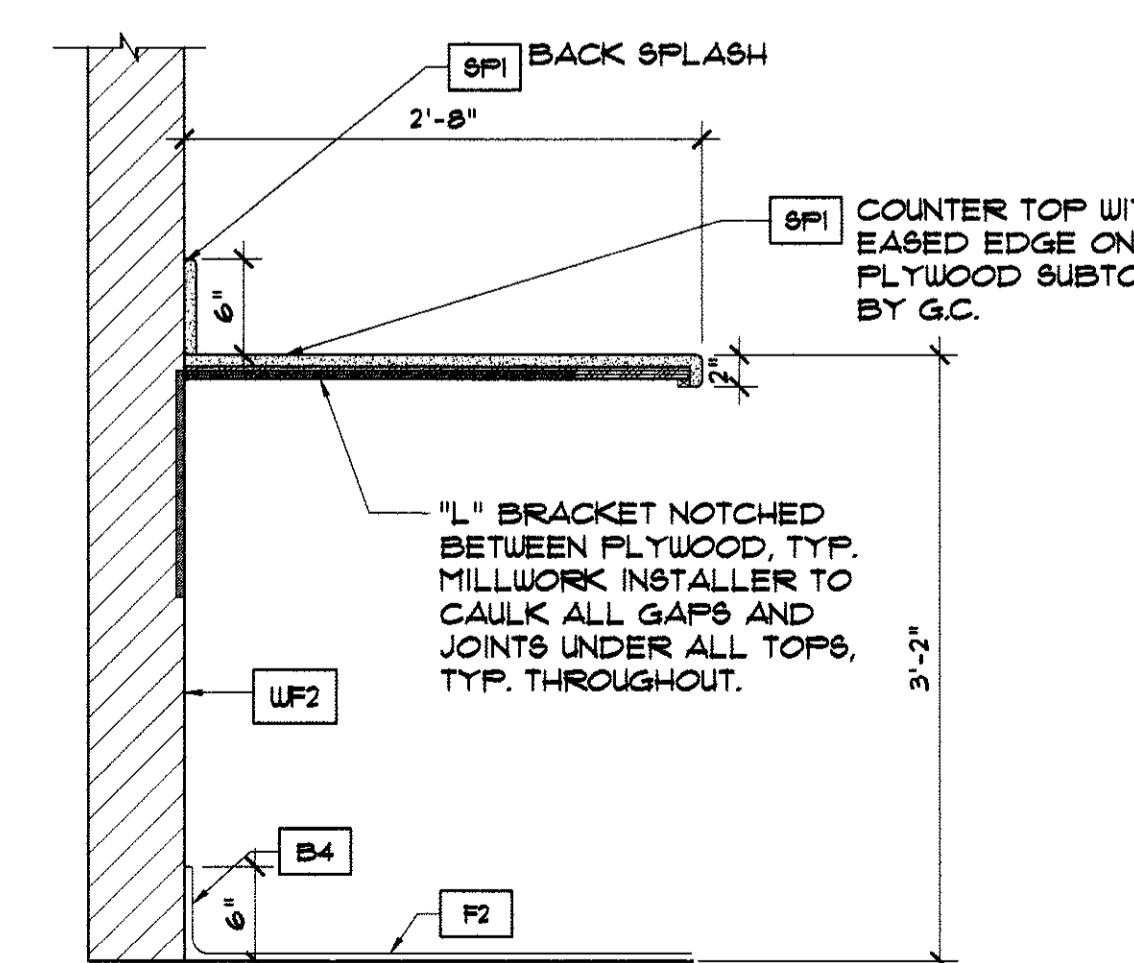
2 WOOD LEDGE
SCALE: 1" = 1'-0"



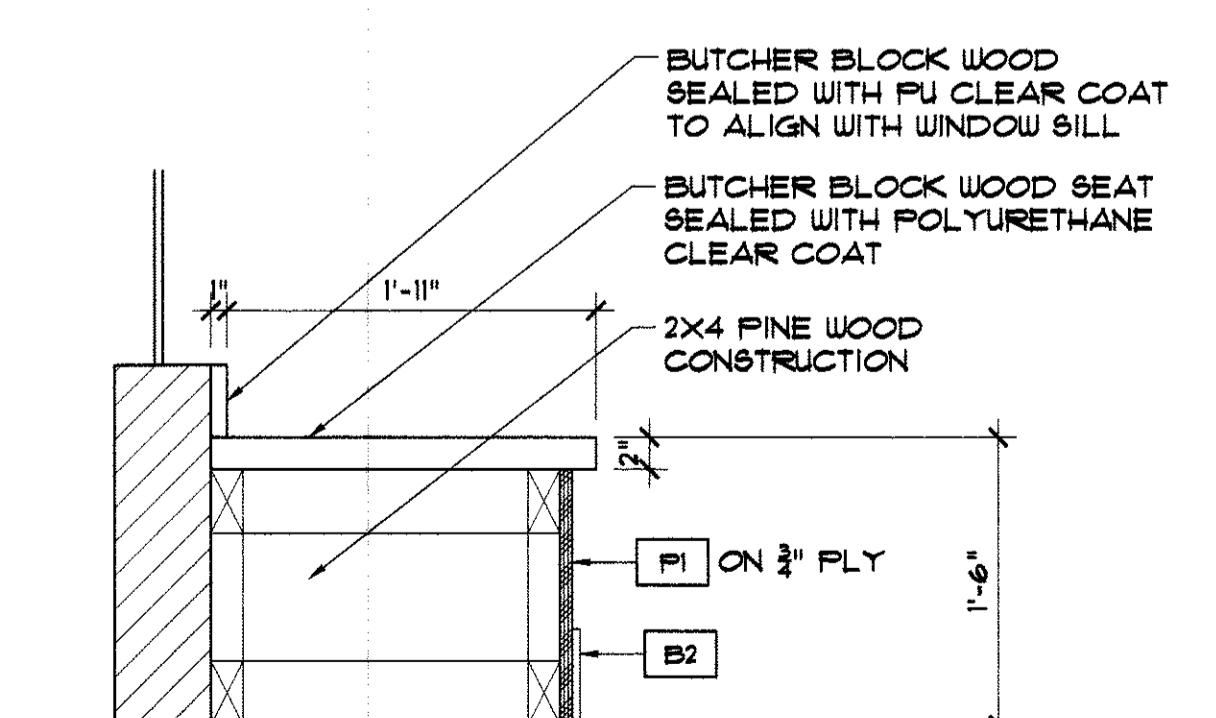
10 CONDIMENT COUNTER - TRASH
ITEM #304, 305
SCALE: 1" = 1'-0"



7 ACCESSIBLE POS COUNTER
ITEM #300, 301
SCALE: 1" = 1'-0"



4 SERVICE COUNTER - FRIDGE
ITEM # 302, 303
SCALE: 1" = 1'-0"



1 BENCH SEAT
SCALE: 1" = 1'-0"

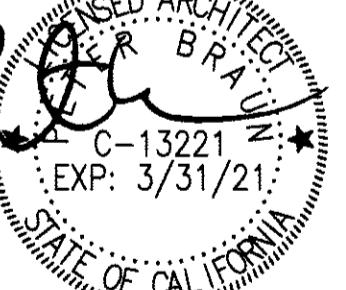
LAZYBIRD

930 CENTRAL AVE
ALAMEDA, CA 94501

ISSUE	DESCRIPTION	DATE
△HEALTH RESUB	01-13-2021	
HEALTH SUB	12-28-2020	

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DATE: January 11 2021

DRAWN BY: VR CHECK: JT

JOB NO: 201104 SCALE: AS NOTED

MILLWORK
DETAILS

SHEET: K9.0



RESTAURANT
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CONCEPTS

OAKLAND:
1021 COTTON ST.
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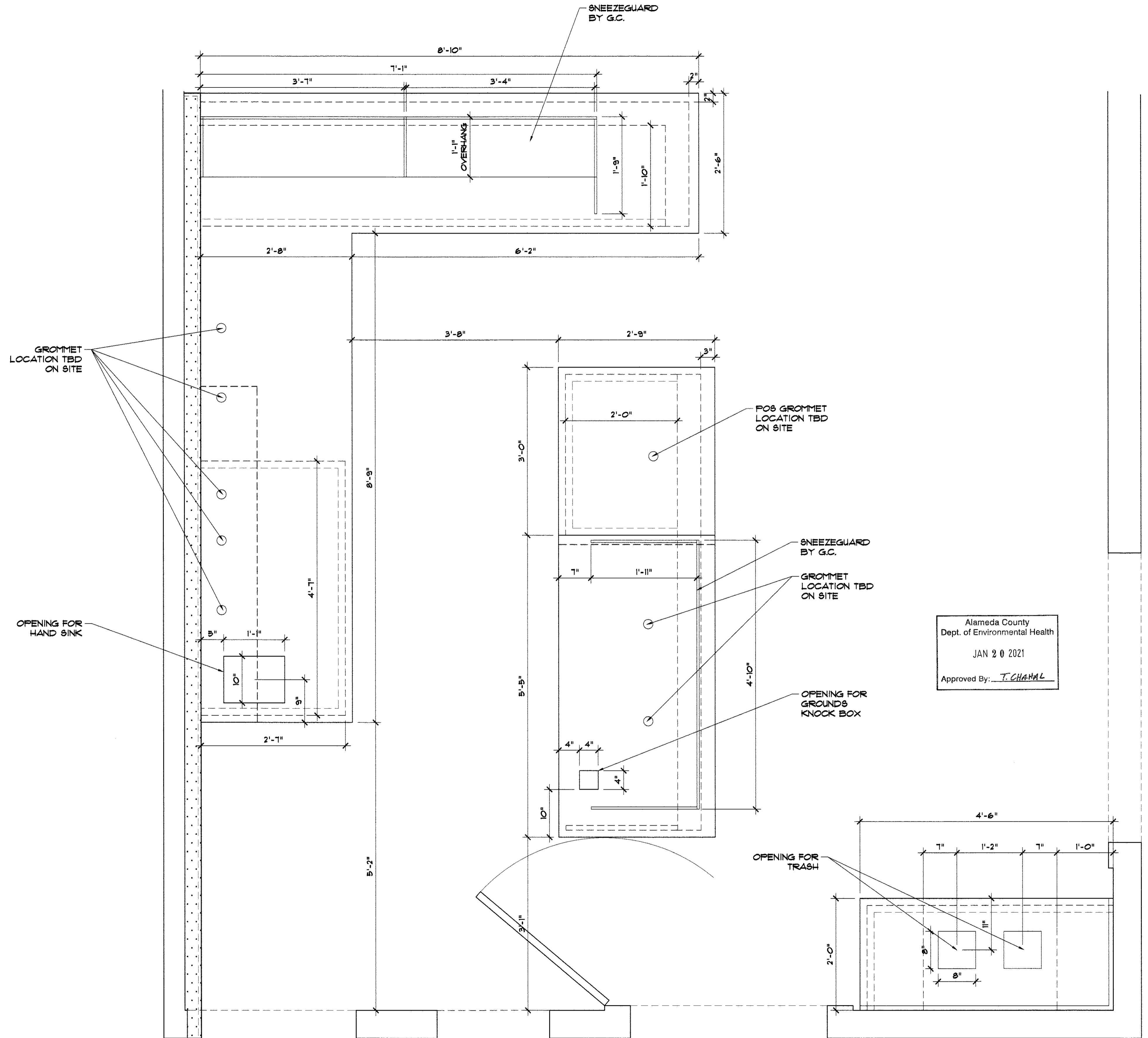
DATE: January 11 2021

DRAWN BY: VR CHECK: JT

JOB NO: 201104 SCALE: AS NOTED

MILLWORK
DETAILS

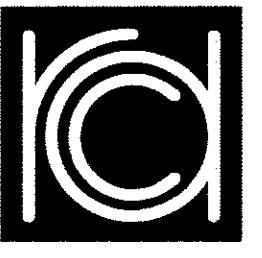
SHEET: K9.1



1

ENLARGED PLAN VIEW OF MILLWORK

SCALE: 1" = 1'-0"



RESTAURANT DESIGN CONCEPTS

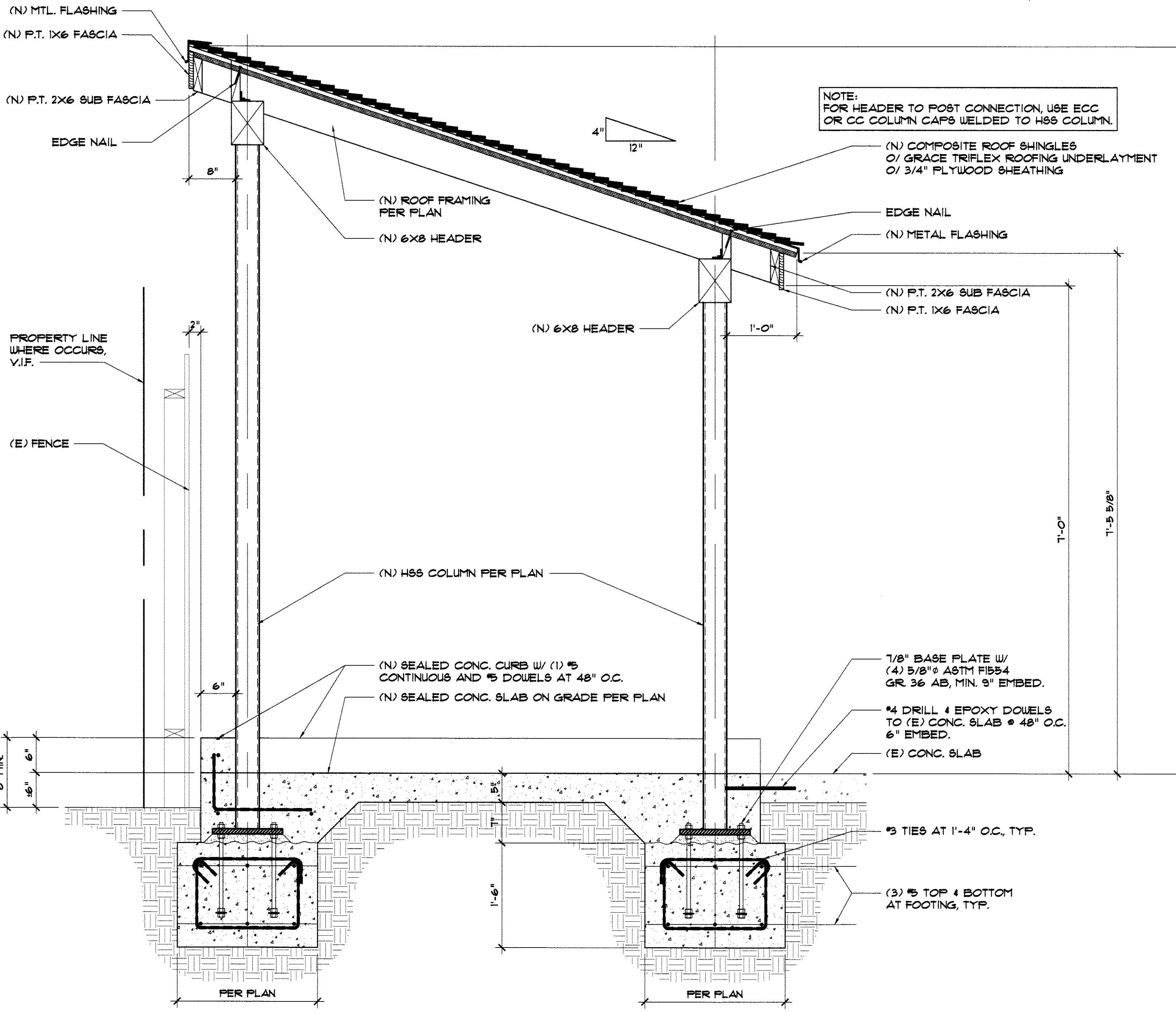
OAKLAND:
1021 COTTON ST.
OAKLAND, CA 94606

SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

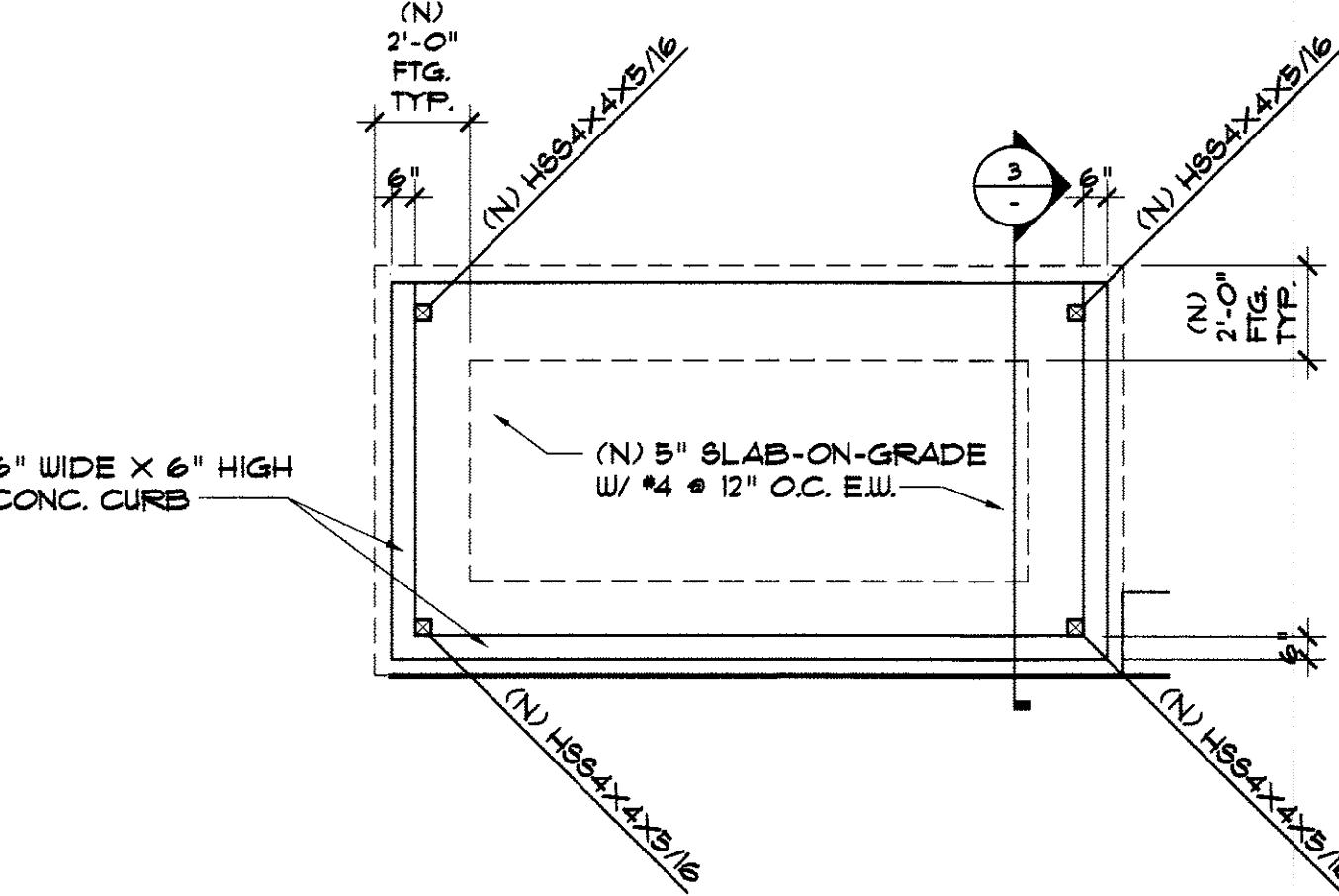
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1 ROOF FRAMING PLAN



2 FOUNDATION PLAN



3) OUTDOOR ENCLOSURE FOR TRASH

SCALE: 1" = 1'-0"

LAZYBIRD

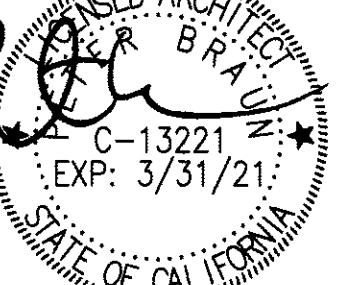
930 CENTRAL AVE
ALAMEDA, CA 94501

⚠ HEALTH RESUB 01-13-2021
HEALTH SUB 12-28-2020
PRELIMINARY MM DD, YY

Alameda County
Dept. of Environmental Health

PROJECT NORTH **N**





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DATE: January 12 2021
DRAWN BY: JP CHECK: JT
JOB No: 201104 SCALE: AS NOTED

ENCL. DETAIL

SHEET: **K9.2**



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175 LENNON LANE, SUITE 205
WALNUT CREEK, CA 94598
TEL: 925-937-6700 | WEB : <http://www.asincs.com>
PROJECT NUMBER: 20-047

LAZYBIRD

930 CENTRAL AVE
ALAMEDA, CA 94501

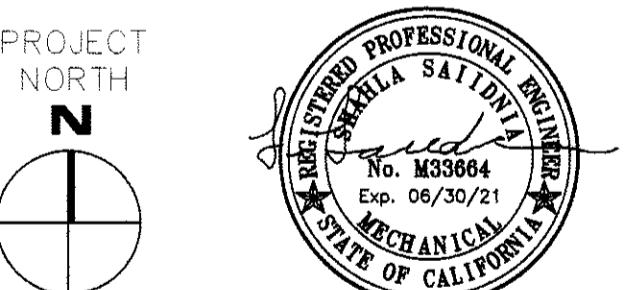
MECHANICAL SYMBOLS		
SYMBOL	ABBREV.	DESCRIPTION
— CWS —		CONDENSOR WATER SUPPLY
— CWR —		CONDENSOR WATER RETURN
		CEILING DIFFUSER SUPPLY
		CEILING GRILLE EXHAUST
		CEILING GRILLE RETURN
—	—	—
		PRESSURE GAGE WITH COCK
		TEMPERATURE GAGE
	PTTP	PRESSURE & TEMPERATURE TEST PLUG
		ANCHOR
		SECTION CALLOUT

MECHANICAL SYMBOLS		
SYMBOL	ABBREV.	DESCRIPTION
		ROUND DUCT OR STACK - SECTION
	FSD	COMBINATION SMOKE & FIRE DAMPER
		ROOM TEMPERATURE SENSOR
		DUCT MOUNTED SMOKE DETECTOR (UNDER DIVISION 16)
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECTION
	EF-1	EQUIPMENT IDENTIFICATION: TYPE-NUMBER
	AP	ACCESS PANEL
— U/C —		UNDERCUT DOOR (UNDER DOOR SECTION)
— D/L —		DOOR LOUVER (UNDER DOOR SECTION)
		EXISTING PIPE OR EQUIPMENT TO REMAIN
		EXISTING DUCT/PIPE OR EQUIPMENT TO BE REMOVED
		NEW WORK

GENERAL NOTES		
1.	ALL WORK SHALL CONFORM TO TITLE-24, CALIFORNIA CODE OF REGULATIONS(CCR).	
2.	SEAL ALL OPENING AROUND PIPING AND DUCTWORK PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.	
3.	PROVIDE ACCESS DOOR FOR ALL EQUIPMENT, VALVES AND CLEAN OUTS WHICH REQUIRE ACCESS FOR ADJUSTMENT OR SERVICING, AND WHICH ARE LOCATED IN OTHERWISE INACCESSIBLE LOCATIONS, PERMIT MAINTENANCE AND ADJUSTMENT OF THE DEVICE.	
4.	PROVIDE 120V RECEPTACLE WITHIN 25 FT OF EQUIPMENT.	
5.	PITCH PIPELINES AS REQUIRED FOR PROPER DRAINAGE AND ELIMINATION OF AIR.	
6.	INSTALL ALL EQUIPMENT LEVEL AND PLUMB. PROVIDE BLOCKING AND HARDWARE AS REQUIRED.	
7.	MANUFACTURERS NAMES FOR PRODUCTS LISTED ON DRAWINGS ARE BASIS OF DESIGN. SEE SPECIFICATIONS FOR EQUIVALENT MANUFACTURERS.	
8.	THE PROJECT DESIGN SHOWN ON THE DRAWINGS AND SPECIFIC ITEMS REFERENCED IN THE SPECIFICATIONS IS IN COMPLIANCE WITH THE CODE AND ORDINANCES LISTED IN DIVISION 23 OF SPECIFICATIONS.	
9.	PROVIDE SEISMIC ANCHORAGE AND BRACING FOR MECHANICAL EQUIPMENT, PIPING AND DUCTWORK. SEE "GENERAL SEISMIC NOTES" FOR DETAIL REQUIREMENTS.	
10.	PROVIDE HANGER, SUPPORTS AND SWAY BRACES FOR ALL DUCTWORK, PIPING AND EQUIPMENT AS REQUIRED BY THE LATEST EDITION OF THE SMACNA GUIDELINES.	
11.	INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE THE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.	
12.	PREPARE SHOP DRAWINGS FOR INSTALLATION OF ALL NEW WORK BEFORE INSTALLATION TO VERIFY COORDINATION BETWEEN TRADES.	
13.	KEEP CUTTING TO THE MINIMUM REQUIRED FOR PROPER EXECUTION OF WORK. BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR THE COMPLETION OF WORK. NO CUTTING SHALL BE PERFORMED WITHOUT THE APPROVAL OF THE ARCHITECT.	
14.	PROVIDE OFFSETS, ELBOWS AND TRANSITIONS IN DUCTWORK AND PIPING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. VERIFY ALL CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. PROVIDE TRANSITION FOR FINAL CONNECTION TO EQUIPMENT. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF WORK.	
15.	ALL WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH THE SFUSD DESIGN STANDARDS, AND SPECIFICATIONS. IN THE EVENT OF CONFLICT BETWEEN THE CONTRACT DRAWINGS AND THE SPECIFICATIONS THE MOST STRINGENT SHALL GOVERN.	
16.	INSTALL ALL PIPING AND DUCTWORK TO BEST SUIT FILED CONDITIONS AND COORDINATE WITH OTHER TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE THE EXACT LOCATION OF THE PIPING OR DUCTWORK.	
17.	DUCTS AND EQUIPMENTS STORED ON THE CONSTRUCTION SITE SHALL BE PROTECTED AND ISOLATED FROM DUST CONTAMINATION.	
18.	ALL DUCTWORK SHALL BE SEISMICALLY SUPPORTED PER SMACNA DUCTWORK CONSTRUCTION GUIDELINES.	
19.	ALL SIZES ARE IN INCH, U.O.N.	
20.	ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER STRUCTURAL DETAILS ON THE CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRAZED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 28 AND 30.	
21.	1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRE) TO THE BUILDING UTILITY SUCH AS ELECTRICITY, GAS OR WATER.	
22.	MOVEABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS. THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.	
23.	A. COMPONENTS WEIGHTING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHTING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.	
	FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.	
	PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	
	PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRAZED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5, AND 2019 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.	
	COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF CHANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.	
	THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	
	APPLIED BUILDING CODES:	
	2019 CALIFORNIA MECHANICAL CODE (CMC) 2019 CALIFORNIA PLUMBING CODE (CPC) 2019 CALIFORNIA ELECTRICAL CODE (CEC) 2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY CODE-2019 CBC; CHAPTER 10, 11A, 11B TITLE 19 CALIFORNIA ADMINISTRATION CODE TITLE 24 CALIFORNIA 2019 CALIFORNIA ADMINISTRATION CODE 2019 EDITION, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 9, CALIFORNIA FIRE CODE (CFC) 2019 EDITION, CALIFORNIA GREEN BUILDING STANDARDS CODE 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM NFPA 30, FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE 2018 EDITION, PER CFC CHAPTER 80 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE 2019 NFPA 110, STANDARDS FOR EMERGENCY AND STANDBY POWER APPLICABLE REQUIREMENTS ENFORCED BY THE STATE, CITY, AND LOCAL AUTHORITIES HAVING JURISDICTION.	

ABBREVIATIONS	
ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BTUH	BRITISH THERMAL UNIT PER HOUR
CV	CONSTANT VOLUME
DB	DRY-BULB
DWG	DRAWING
(E)	EXISTING
EA	EXHAUST AIR
(ER)	EXISTING TO RELOCATE
EFF	EFFICIENCY
ESP	EXTERNAL STATIC PRESSURE
HC	HEATING COIL
HP	HORSEPOWER
HZ	HERTZ
IN.W.C.	INCH WATER COLUMN
LBS	POUNDS
LPS	LOW PRESSURE STEAM
MBH	THOUSAND BTU PER HOUR
NC	NOISE CRITERIA
(N)	NEW WORK
P.D.	PRESSURE DROP
RA	RETURN AIR
(RL)	RELOCATED EQUIPMENT
RPM	REVOLUTIONS PER MINUTE
TBV	TO BE VERIFIED IN FIELD
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VD	VOLUME DAMPER

Alameda County
Dept. of Environmental Health
JAN 20 2021
Approved By: T. CHANAL



DATE: _____

DRAWN BY: JS CHECK: AA/SS

JOB NO: _____ SCALE: AS SHOWN

MECHANICAL LEGENDS,
ABBREVIATIONS, &
GENERAL NOTES
TITLE: _____

MO.1
SHEET: _____

OAKLAND:
1021 COTTON ST
OAKLAND, CA 94606

 SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

510-436-7000

WWW.RESTAURANTDESIGNCONCEPTS.COM

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 WALNUT CREEK, CA 94598
 TEL: 925-937-6700 | WEB: <http://www.asincs.com>
 PROJECT NUMBER: 20-047

LAZYBIRD

 930 CENTRAL AVE
 ALAMEDA, CA 94501

EXHAUST AIR / OUTSIDE AIR FANS SCHEDULE										
UNIT NO.	ROOM SERVICE	MANUFACTURER AND MODEL NO.	AIR QUANT CFM	ESP. IN. W.G.	FAN RPM	MOTOR		SONES	UNIT OPERATING WEIGHT LBS.	REMARKS
						WATTS (OR HP)	V-PH-HZ			
EF-1	ADA RESTROOM	GREENHECK SP-A125	100	0.3	1100	21	120/1/60	0.8	19	(1) (2) (3)
EF-2	TYPE II FOOD PREP EXH	CAPTIVEAIRE SIP11DD	525	0.5	1172	(0.5)	120/1/60	6.6	110	(1) (3) (4) (5) (6) (10)
OAF-1	OUTSIDE AIR SUPPLY FAN FOR DINING/ KITCHEN AREA	GREENHECK SQ-90-VG	200	0.4	1322	(1/10)	120/1/60	5.6	83	(1) (3) (7) (8) (9)

NOTES:

- (1) BACKDRAFT DAMPER
- (2) INTERLOCK WITH OCCUPANCY SENSOR.
- (3) FAN SHALL BE PROVIDED WITH STARTER AND DISCONNECT SWITCH.
- (4) FAN SHALL HAVE TEAO-ECM MOTOR.
- (5) FAN SHALL BE INTERLOCKED WITH AUTOMATIC OUTSIDE AIR DAMPER WITH 120V ACTUATOR. GREENHECK DAMPER MODEL #VCD-33, HONEYWELL ACTUATOR MODEL #MS4103F1025.
- (6) IN-LINE EXHAUST FAN WITH STRAIGHT DISCHARGE.
- (7) PROVIDE FAN WITH ODP ENCLOSURE.
- (8) PROVIDE WITH MERV-13 FILTER.
- (9) FAN TO BE PROVIDED WITH CONTROL TIMER SWITCH SET TO BE RUNNING CONTINUOUSLY DURING OPERATING HOURS. CONTROL TIMER SHALL BE 24/7. ELECTRIC PROGRAMMABLE BY MANUFACTURER MARKTIME MODEL #42E724P. TIMER SHALL BE 120V.
- (10) FAN SHALL BE OPERATED BY WALL SWITCH. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENT.

DIFFUSERS AND REGISTERS SCHEDULE							
DESIGNATION	MFR. MODEL NO.	TYPE OF SERVICE	BORDER	FACE	MODULE	FINISH	REMARKS
WS-1	TITUS 300RL	SUPPLY	SIDEWALL/SURFACE	LOUVERED	SEE PLANS	WHITE	(1) (2)
NOTES:							

- (1) PROVIDE SIZES AND LOCATIONS AS INDICATED IN DRAWING.
- (2) REFER TO ARCHITECTURAL DRAWINGS FOR CEILING/WALL/FLOOR TYPE TO DETERMINE REQUIRED FRAME.

HOOD WORKSHEET

Facility Name: LAZYBIRD COFFEE
Address: 930 CENTRAL AVE, ALAMEDA CA, 94501

wall = _____

COOKING EQUIPMENT & HOOD

- Fill in cooking equipment & hood dimensions in feet in overhead view.
- Casters & quick disconnects strongly recommended!

Specified?

- Hood long enough to allow $\geq 6"$ on sides of equipment?
- Hood wide enough to allow $\geq 6"$ in front & back of equipment?
- Canopy lip $\geq 6.5"$ above floor & $\leq 4"$ above cooking surface?
- Canopy free of exposed horizontal electrical & Ansul lines?

yes no

yes no

yes no

yes no

yes no

CFM

- What kind of hood: **TYPE II**
- Hood opening: **4.0** ft x **3.5** ft = **14** sq ft x **37.5** Q factor from CMC = **525** CFM
- (length) (width)
- Other formula?: **NA** = **CFM**

FILTERS (Not Applicable)

- $\frac{0 \text{ " H} \times 0 \text{ " W}}{\text{Filter Size}} \times \frac{\text{NA}}{\text{(# of Filters)}} \times \frac{\text{NA}}{\text{(usable area per filter)}} \text{ sq ft} = \frac{\text{NA}}{\text{(total filter area)}} \text{ sq ft}$
- $\frac{\text{CFM}}{\text{CFM}} + \frac{\text{sq ft}}{\text{sq ft (total filter area)}} = \text{fpm}$
- Baffle filter ideal fpm = 300; should be 250-350. Is it? yes no
- Horizontal slot filter ideal fpm = 1000; should be 800-1200. Is it? yes no n.a. X
- Fpm can be $<$ or $>$ above if this is a "LISTED" hood. Is it? yes no
- Total of filter widths (_____) must be $<$ hood length. Is it? yes no

DUCT 12" Dia Round

- Duct dimensions: **6" x 6"** " x **3.14** " = **113.04** " \div **144** = **0.785** sq ft
- Hood > 12 ft. long shows > 1 exhaust outlet to main duct? yes no n.a. X
- **525** CFM \div **0.785** sq ft = **669** fpm
- Fpm should \approx 1800; must = 1500 - 2500 (Type I). Is it? yes no n.a. X

STATIC PRESSURE & EXHAUST FAN

- # of elbows = **3** Cleanout at each elbow? yes no X n.a.
- Static Pressure \approx **0.069** SP
- Exhaust Fan: Make **CAPTIVEAIRE** Model # **SIF11DD** H.P. **0.5**
- UL 762 Restaurant Application specified for Type I? yes no X Easily pulls CFM at SP? yes X no

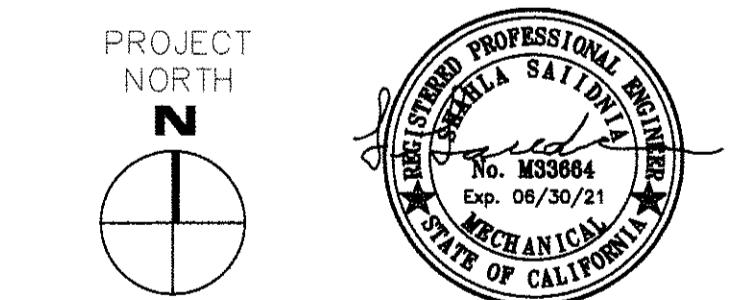
MAKE-UP AIR

- **NA** CFM + **2000** CFM = _____ Next higher whole number = _____ Diffusers recommended (Exhaust) (max. per diffuser recommended)
- Make-up air Static Pressure \approx **0.05** " SP
- Make-up air fan: Make **GRAVITY/DAMPER** Model # **AUTOMATIC** H.P. **0.5**
- Supplies 95-100% of exhaust CFM at SP? yes no
- Make-up air on roof ≥ 10 ft. from exhaust? yes no NA
- Diffusers on ceiling ≥ 10 ft. from hood? yes no NA
- Exhaust & make-up air interlocked? yes no

Prepared by: **SHEILA SAIIDNIA** (415) 794-5600 A & S ENGINEERS INC. 01/11/2021

Name Phone # Company Date

2 10/28/05 - RH

 Alameda County
 Dept. of Environmental Health
 JAN 20 2021
 Approved By: *T. CHAMAL*

 DATE: _____
 DRAWN BY: JS CHECK: AA/SS
 JOB NO: SCALE: AS SHOWN

MECHANICAL SCHEDULE

 TITLE: _____
 SHEET: MO.2

STATE OF CALIFORNIA

Mechanical Systems

NRCC-MCH-E

CALIFORNIA ENERGY CO

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.

Project Name:

LAZIBIRD COFFEE

Report Page:

Project Address:

930 Central Avenue

Date Prepared:

A. GENERAL INFORMATION

01	Project Location (city)	Alameda	04	Total Conditioned Floor Area	875
02	Climate Zone	3	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1
<input type="checkbox"/>	Office (B)	<input type="checkbox"/> Retail (M)	<input type="checkbox"/>	Non-refrigerated Warehouse (S)	
<input type="checkbox"/>	Hotel/ Motel Guest Rooms (R-1)	<input type="checkbox"/> School (E)	<input type="checkbox"/>	Healthcare Facility (I)	
<input type="checkbox"/>	High-Rise Residential (R-2/R-3)	<input type="checkbox"/> Relocatable Class Bldg (E)	<input checked="" type="checkbox"/>	Other (write in)	See Table J

B. PROJECT SCOPE

This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.

01	02	03
Air System(s)	Wet System Components	Dry System Components
<input type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input type="checkbox"/> Air Economizer
<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input checked="" type="checkbox"/> Electric Resistance Heat
Mechanical Controls	<input type="checkbox"/> System Piping	<input checked="" type="checkbox"/> Fan Systems
<input checked="" type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> Cooling Towers	<input checked="" type="checkbox"/> Ductwork (existing to remain, altered or new)
	<input type="checkbox"/> Chillers	<input checked="" type="checkbox"/> Ventilation
	<input type="checkbox"/> Boilers	<input type="checkbox"/> Zonal Systems/ Terminal Boxes

Registration Number:

Registration Date/Time:

Registration Provider:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Report Generated: 2020-12-2

STATE OF CALIFORNIA

Mechanical Systems

NRCC-MCH-E

CALIFORNIA ENERGY CO

CERTIFICATE OF COMPLIANCE

Project Name:

LAZIBIRD COFFEE

Report Page:

Project Address:

930 Central Avenue

Date Prepared:

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)3B for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	<input type="checkbox"/>	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.					
02	<input checked="" type="checkbox"/>	Check this box if the project included Nonresidential or Hotel/Motel spaces					
03	<input type="checkbox"/>	Check this box if the project included new or altered high-rise residential dwelling units.					

Nonresidential and Hotel/ Motel Ventilation Systems

System Name	LazyBird Cafeteria	04		05		06		07	
		System Design OA CFM	Airflow ¹	304	System Design Transfer Air CFM	0	Air Filtration per §120.1(c) and §120.1(d)5, and §120.1(e)3B	Provided per §120.1(c) (NRCC-MCH-E)	
08	09	10	11	12	13	14	15	16	
Space Name or item Tag	Mechanical Ventilation Required per §120.1(c)3 ³			Exh. Vent per §120.1(c)4			DCV or Sensor Controls per §120.1(d)5, and §120.1(e)3B		
Occupancy Type ⁴	Conditioned Floor Area (ft ²)	# of Shower heads/ toilets	# of people ⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM			
Kitchen Prep Area	Kitchen (cooking)	442		66.3	309.4	0	DCV	NA: Not required	§120.1(d)5, and §120.1(e)3B
Coffee Dining Area	Bar/ cocktail lounge	433		216.5	0	0	Occ Sensor	NA: Not required	§120.1(d)5, and §120.1(e)3B
17	Total System Required Min OA CFM				304	18	Ventilation for this System Complies?		

¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

² Air filtration requirements apply to the following three system types per §120.1(c)1A : space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.

Registration Number:

Registration Date/Time:

Registration Provider:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Report Generated: 2020-12-2

Mechanical Systems

NRCC-MCH-E

CALIFORNIA ENERGY CO

CERTIFICATE OF COMPLIANCE

Project Name:

LAZIBIRD COFFEE

Report Page:

Project Address:

930 Central Avenue

Date Prepared:

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Requirements. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Yes	No	Form/Title	Systems To Be Field Verified	Field In Progress
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes". If Constant Volume Single Zone HVAC Systems are included in the scope, permit applicant should move this form to "Yes".		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-04-A - Air Distribution Duct Leakage		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-05-A - Air Economizer Controls		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO ₂) concentration setpoints.		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-07-A Supply Fan Variable Flow Controls		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-08-A Valve Leakage Test		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-09-A Supply Water Temperature Reset Controls		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-10-A Hydronic System Variable Flow Controls		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-11-A Automatic Demand Shed Controls		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance		<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance NOTE: This form does not automatically move to "Yes". If Distributed Energy System DX AC Systems are included in the scope permit applicant should move this form to "Yes".		<input type="checkbox"/>

Registration Number:

Registration Date/Time:

Registration Provider:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Report Generated: 2020-12-2

STATE OF CALIFORNIA Mechanical Systems												CALIFORNIA ENERGY COMMISSION						
NRCC-MCH-E												NRCC-MCH-E						
CERTIFICATE OF COMPLIANCE												(Page 2 of 9)						
Project Name: LAZIBIRD COFFEE			Report Page:			12/21/2020												
Project Address: 930 Central Avenue			Date Prepared:															
C. COMPLIANCE RESULTS																		
Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.																		
01		02		03		04		05		06		07		08		09		
System Summary §110.1, §110.2, §140.4		AND Pumps §140.4(k)		AND Fans/ Economizers §140.4(c), §140.4(e)		AND System Controls §110.2, §120.2, §140.4(f)		AND Ventilation §120.1		AND Terminal Box Controls §140.4(d)		AND Distribution §120.3, §140.4(l)		AND Cooling Towers §110.2(e)2		Compliance Results		
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)				
AND		AND		Yes		AND		Yes		AND		AND		AND		COMPLIES		
Mandatory Measures Compliance (See Table Q for Details)															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. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)																		
This table is used to demonstrate compliance for mechanical equipment with mandatory requirements found in §110.1 and §110.2(a) and prescriptive requirements found in §140.4(a), §140.4(b), and §140.4(k) or §141.0(b)2 for alterations.																		
Electric Resistance Heating																		
01		02		03		04												
Name or Item Tag		Equipment Description		Output Capacity (kW)														
Applicable Exception to §140.4(g) Allowing Electric Resistance Heating																		
G. PUMPS																		
This section does not apply to this project.																		
Registration Number:					Registration Date/Time:					Registration Provider: Energysoft								
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance					Report Version: 2019.1.003					Report Generated: 2020-12-21 12:52:28								
Schema Version: rev 20200601																		
STATE OF CALIFORNIA Mechanical Systems															CALIFORNIA ENERGY COMMISSION			
NRCC-MCH-E												NRCC-MCH-E						
CERTIFICATE OF COMPLIANCE												(Page 5 of 9)						
Project Name: LAZIBIRD COFFEE			Report Page:			12/21/2020												
Project Address: 930 Central Avenue			Date Prepared:															
J. VENTILATION AND INDOOR AIR QUALITY																		
3 Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.																		
4 See Standards Tables 120.1-A and 120.1-B.																		
5 For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.																		
6 §120.2(e)3 requires systems serving rooms that are required by §130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft ² or smaller, multipurpose rooms less than 1,000 ft ² , classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by §130.1(c).																		
K. TERMINAL BOX CONTROLS																		
This section does not apply to this project.																		
L. DISTRIBUTION (DUCTWORK and PIPING)																		
This table is used to show compliance with mandatory pipe insulation requirements found in §120.3 and prescriptive requirements found in §140.4(l) for duct leakage testing.																		
Duct Leakage Sealing																		
The answers to the questions below apply to the following duct systems:					LazyBird Cafeteria			Duct leakage testing triggered for these systems?			No							
11		No		The scope of the project includes only duct systems serving healthcare facilities														
12		Yes		Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.														
13		Yes		The space conditioning system serves less than 5,000 ft ² of conditioned floor area.														
14		No		The combined surface area of the ducts in the following locations is more than 25% of the total surface area of the entire duct system:														
				<input type="checkbox"/> Outdoors <input type="checkbox"/> In a space directly under a roof that has a U-factor greater than the u-factor of the ceiling, or if the roof does not meet the requirements of §140.3(a)1B or if the roof has fixed vents or openings to the outside/ unconditioned spaces <input type="checkbox"/> In an unconditioned crawl space <input type="checkbox"/> In other unconditioned spaces														
15				The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.														
16				The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.														
17		Yes		Duct system shall be sealed in accordance with the California Mechanical Code														
Registration Number:					Registration Date/Time:					Registration Provider: Energysoft								
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance					Report Version: 2019.1.003					Report Generated: 2020-12-21 12:52:28								
Schema Version: rev 20200601																		
STATE OF CALIFORNIA Mechanical Systems															CALIFORNIA ENERGY COMMISSION			
NRCC-MCH-E												NRCC-MCH-E						
CERTIFICATE OF COMPLIANCE												(Page 8 of 9)						
Project Name: LAZIBIRD COFFEE			Report Page:			12/21/2020												
Project Address: 930 Central Avenue			Date Prepared:															
O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE																		
<input type="radio"/> <input checked="" type="radio"/>		NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance NOTE: This form does not automatically move to "Yes". If Chilled water Storage, Ice-on-Coil Internal Melt, Ice-on-Coil External melt, Ice Harvester, Brine, Ice-Slurry, Eutectic Salt, Clathrate Hydrate Slurry (CHS), Cryogenic or Encapsulated (ice Ball) Systems are included in the scope, permit applicant should move this form to "Yes".													<input type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="radio"/> <input type="radio"/>		NRCA-MCH-16-A Supply Air Temperature Reset Controls													<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/> <input checked="" type="radio"/>		NRCA-MCH-17-A Condenser Water Temperature Reset Controls													<input type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="radio"/> <input type="radio"/>		NRCA-MCH-18-A Energy Management Control Systems													<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/> <input checked="" type="radio"/>		NRCA-MCH-19-A Occupancy Sensor Controls													<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/> <input checked="" type="radio"/>		NRCA-MCH-20 Multi-Family Ventilation													<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/> <input checked="" type="radio"/>		NRCA-MCH-21 Multi-Family Envelope Leakage													<input type="checkbox"/>		<input type="checkbox"/>	
P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION																		
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Provider's registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/																		
Yes		No		Form/Title											Field Inspector			
<input type="radio"/>		<input checked="" type="radio"/>		NRCV-MCH-04-H Duct Leakage Test NOTE: Must be completed by a HERS Rater											<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/>		<input checked="" type="radio"/>		NRCV-MCH-24 Enclosure Air Leakage Worksheet NOTE: Must be completed by a HERS Rater											<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/>		<input checked="" type="radio"/>		NRCV-MCH-27 High-rise Residential NOTE: Must be completed by a HERS Rater											<input type="checkbox"/>		<input type="checkbox"/>	
<input type="radio"/>		<input checked="" type="radio"/>		NRCV-MCH-32 Local Mechanical Exhaust NOTE: Must be completed by a HERS Rater											<input type="checkbox"/>		<input type="checkbox"/>	
Q. MANDATORY MEASURES DOCUMENTATION LOCATION																		
This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.																		
01												02						
Compliance with Mandatory Measures documented through MCH						Yes			Plan sheet or construction document location									
Mandatory Measures Note Block									M-Sheets									
Registration Number:																		
Registration Date/Time:																		
Registration Provider: Energysoft																		
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance					Report Version: 2019.1.003					Report Generated: 2020-12-21 12:52:28								
Schema Version: rev 20200601																		

STATE OF CALIFORNIA
Mechanical Systems

NRCC-MCH-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name:	LAZIBIRD COFFEE	Report Page:	(Page 3 of 9)
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H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e) and §140.4(m) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name:	LazyBird Cafeteria	Economizer: ¹	NA: <=54 kBtu/h cooling	Economizer Controls:	Designed per §140.4(e) and (m)		System Fan Type:	Constant Volume
01	02	03	04	05	06	07	08	
Fan Name or Item Tag	Fan Function	Qty	Maximum Design Supply Airflow (CFM)		HP Unit ²	Design HP	Fan Power Pressure Drop Adjustment - Table 140.4-8	
							Device	Design Airflow through Device (CFM)
SF	Supply	1	200	BHP	0.04			
Total System Design Supply Airflow (CFM):			200	Total System Design (B)HP:	0.04	Maximum System Fan Power (B)HP:		0.19

¹ FOOTNOTES: Computer room economizers must meet requirements of §140.9(a), and will be documented on the NRCC-PRC-E document.

² The unit used for HP must be consistent for all fans within a system.

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n) or requirements in §141.0(b)2E for altered space conditioning systems.

01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft ²)	Thermostats §110.2(b) & (c) ¹ , §120.2(a) or §141.0(b)2E	Shut-Off Controls §120.2(e)	Isolation Zone Controls §120.2(g)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(f)	Window Interlocks per §140.4(n)
LazyBird Cafeteria	Single zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided

¹FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

*Notes: Controls with a * require a note in the space below explaining how compliance is achieved. EX: system 1: SA Temp Reset: Exempt because zones compliant with §140.4(d); EXCEPTION 1 to §140.4(f)

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA
Mechanical Systems

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NRCC-MCH-E

Project Name:	LAZIBIRD COFFEE	Report Page:	(Page 6 of 9)
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M. COOLING TOWERS

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Yes	No	Form/Title	Field Inspector	
			Pass	Fail
●	○	NRCI-MCH-01-E - Must be submitted for all buildings	□	□

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA
Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name:	LAZIBIRD COFFEE	Report Page:	(Page 9 of 9)
Project Address:	930 Central Avenue	Date Prepared:	12/21/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: A&S Engineers, Inc	Documentation Author Signature:
Company: A&S Engineers, Inc	Signature Date: 12-21-2020
Address: 175 Lennon Ln., Suite 205	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Walnut Creek CA 94598	Phone: 415-398-0400
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct.	
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).	
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.	
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.	
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.	
Responsible Designer Name: Sheila Salidnia, PE	Responsible Designer Signature:
Company: A & S ENGINEERS INCs.	Date Signed: 2020-12-21
Address: 175 Lennon Lane, Suite 1315	License: M33664
City/State/Zip: San Francisco CA 94598	Phone: 925-937-6700

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Report Generated: 2020-12-21 12:52:28

Schema Version: rev 20200601



OAKLAND:
1021 COTTON ST
OAKLAND, CA 94606

SAN JOSE:
5 PARK AVE. SUITE 302
SAN JOSE, CA 95110

510-436-7000
TAURANTDESIGNCONCEPTS.COM

11. **What is the primary purpose of the *Journal of Clinical Endocrinology and Metabolism*?**



LAZYBIRD

930 CENTRAL AVE
ALAMEDA, CA 94501

930 CENTRAL AVE
ALAMEDA, CA 94501



11. *What is the primary purpose of the following statement?*

DRAWN BY: JS CHECK: AA/SS

SOB NO.: SCARLET AD BROWN

MECHANICAL TITLE-24 FORMS

TITLE: _____

MO 3



RESTAURANT
DESIGN
CONCEPTS

OAKLAND:
1021 COTTON ST
OAKLAND, CA 94606

SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

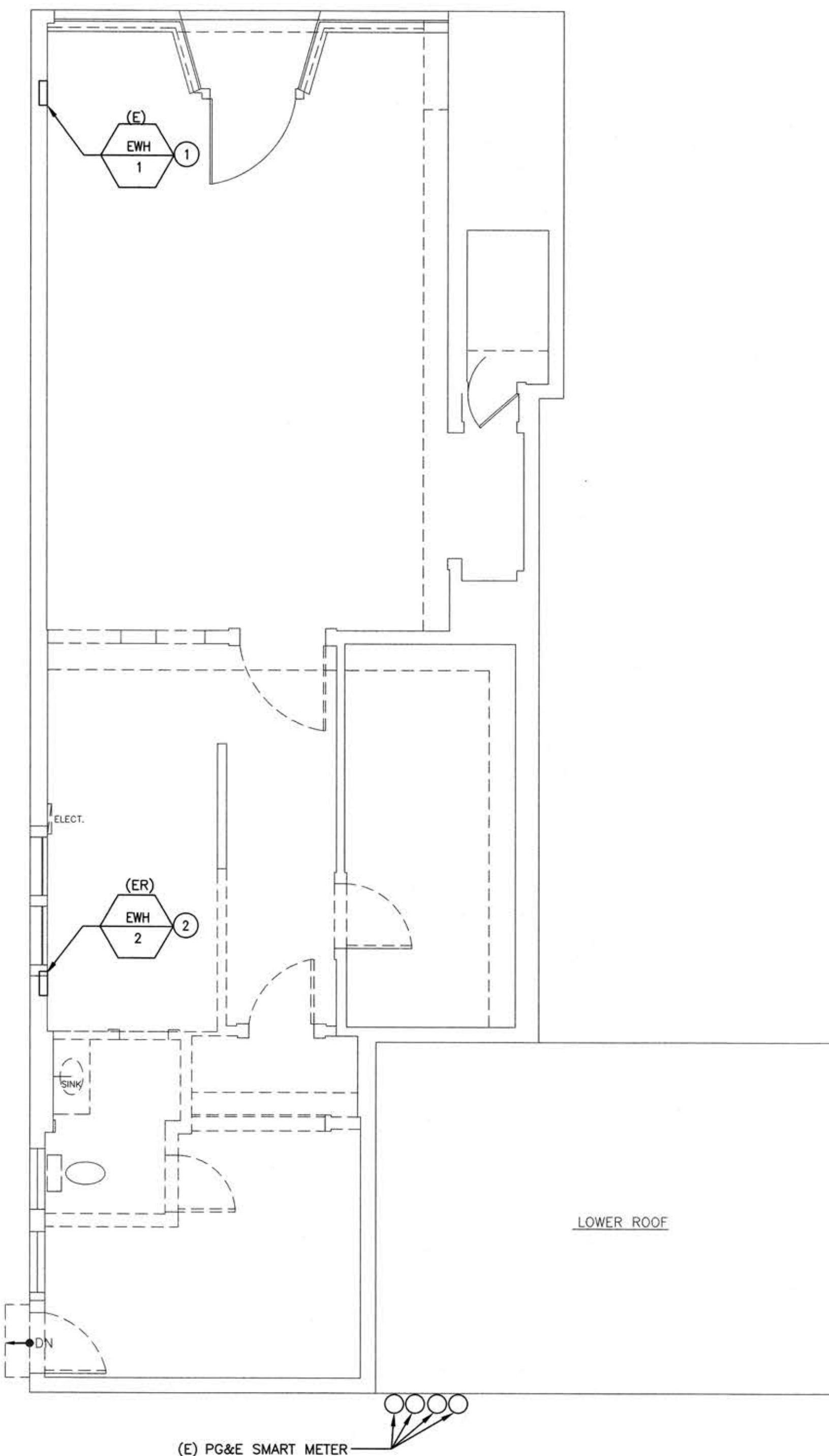
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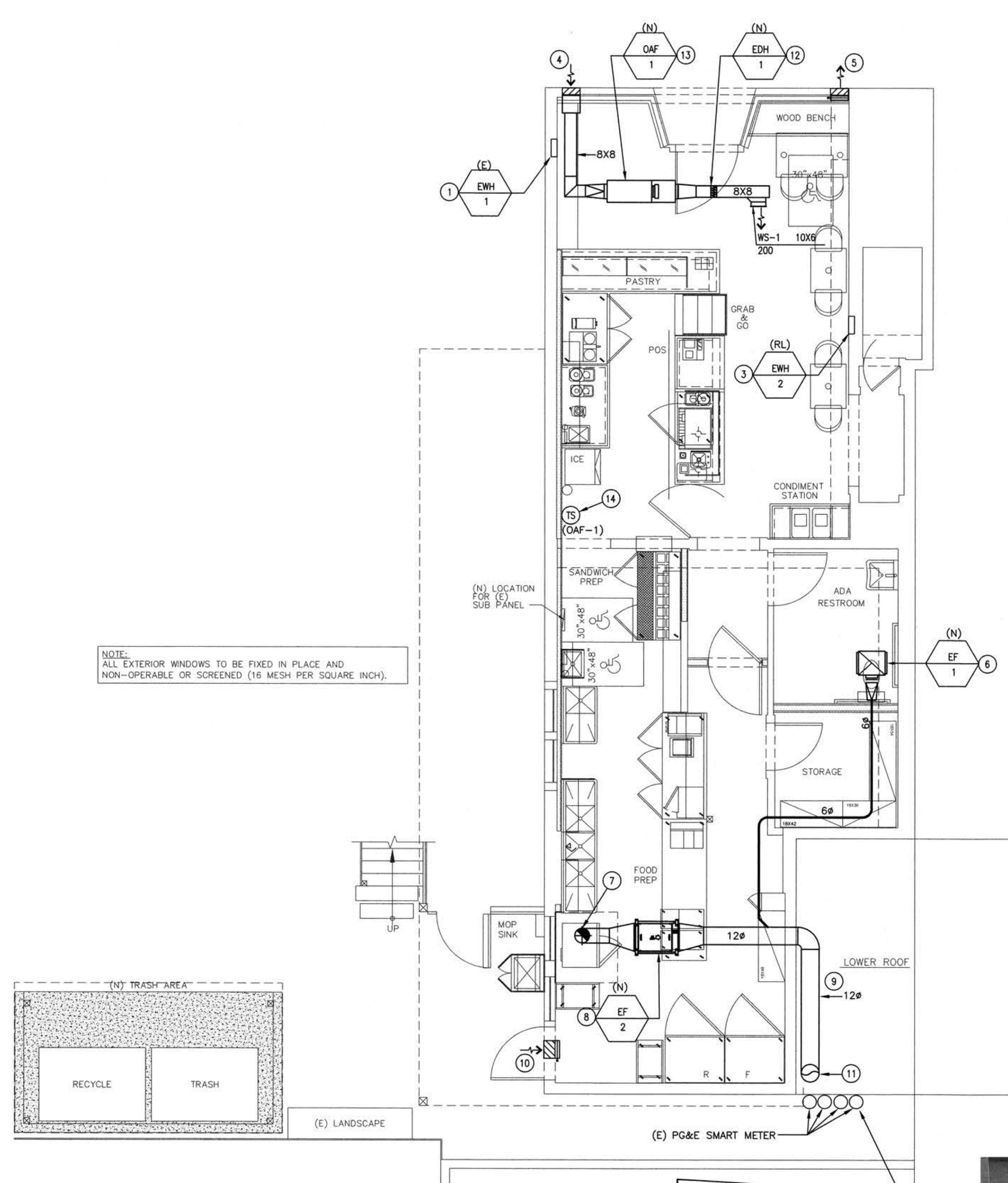
A & S ENGINEERS INC.
Mechanical, Electrical & Plumbing Consultants
175 LENNON LANE, SUITE 205
WALNUT CREEK, CA 94598
TEL: 925-937-6700 | WEB : <http://www.asincs.com>
PROJECT NUMBER: 20-047

LAZYBIRD

930 CENTRAL AVE
ALAMEDA, CA 94501



2 MECHANICAL FLOOR PLAN - NEW WORK
SCALE: 1/4"=1'-0"



GENERAL NOTES

1. FOR GENERAL NOTES SEE M0.1.
2. DESIGN DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS, AND OTHER ELEMENTS THAT MAY BE REQUIRED. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTWORK, ETC. AND SHALL BE FOLLOWED AS CLOSELY AS THE ACTUAL BUILDING CONSTRUCTION AND THE WORK FROM OTHER TRADES SHALL PERMIT. CONTRACTOR WILL PROVIDE ALL NECESSARY ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL DUCT DIMENSIONS ARE AIRSTREAM DIMENSIONS
4. BALANCER SHALL BALANCE ALL NEW EQUIPMENT
5. ALL AIR OUTLETS SHALL BE BALANCED PER INDICATED AIR QUANTITIES AS SHOWN ON DRAWING.
6. CONTRACTOR IS RESPONSIBLE FOR INCLUDING ALL NECESSARY TRANSITIONS TO/FROM PLENUM/OUTLETS/INLETS TO DUCT SIZES SHOWN ON PLAN.

SHEET NOTES

1. EXISTING ELECTRIC WALL HEATER TO REMAIN.
2. EXISTING ELECTRIC WALL HEATER TO BE RELOCATED. SEE 2/M2.1 FOR NEW LOCATION.
3. RELOCATED ELECTRIC WALL HEATER. SEE SCHEDULE FOR REFERENCE.
4. PROVIDE CODE REQUIRED 12X12 OUTSIDE AIR LOUVER WITH 12" LONG PLENUM (MINIMUM 10' ABOVE GRADE) FOR MINIMUM VENTILATION. REFRAME WINDOW TO ACCOMMODATE THE NEW OUTSIDE AIR LOUVER.
5. PROVIDE 12X12 RELIEF AIR LOUVER WITH COUNTER BALANCE DAMPER (MINIMUM 10' ABOVE GRADE). THE WEIGHT ON COUNTER BALANCE DAMPER TO BE SET AT 0.05"WG PRESSURE TO OPEN AND RELIEF THE EXCESS AIR.
6. NEW CEILING EXHAUST FAN. SEE SCHEDULE FOR PERFORMANCE.
7. NEW TYPE II EXHAUST HOOD WITH 10" EXHAUST (525 CFM @ 0.07" SP). SEE ARCHITECTURAL FOR PERFORMANCE.
8. IN-LINE EXHAUST FAN TO BE HUNG FROM STRUCTURE AS HIGH AS POSSIBLE. SEE SCHEDULE FOR PERFORMANCE.
9. OFFSET 12" TYPE II EXHAUST TO GO TO LOWER ROOF AND RUN HORIZONTAL AS SHOWN.
10. PROVIDE 12X12 OUTSIDE AIR LOUVER (MINIMUM 10' ABOVE GRADE) FOR MAKE UP AIR FOR EXHAUST FAN (EF-2) WITH AUTOMATIC DAMPER (120 VOLT, SINGLE PHASE). THE AUTOMATIC DAMPER SHALL BE INTERLOCKED WITH EF-2. THE AUTOMATIC DAMPER SHALL BE GREENHECK MODEL #VCD-33. THE ACTUATOR SHALL BE HONEYWELL MODEL #MS4103F1025.
11. 12" EXHAUST DUCT UP AND TO BE SUPPORTED ON WALL. THE DUCT TO BE TERMINATED 3' ABOVE THE HIGHER ROOF WITH RAIN CAP.
12. PROVIDE ELECTRIC DUCT HEATER (EDH-1) 120V, 8X8 DUCT HEATER BY GREENHECK MODEL #IDHB. THE DUCT HEATER SHALL BE 1.5 KW AND 12.5 AMPS.
13. PROVIDE IN-LINE OUTSIDE AIR FAN (OAF-1) AND TO BE HUNG FROM STRUCTURE AS HIGH AS POSSIBLE. SEE SCHEDULE FOR PERFORMANCE.
14. CONTROL TIMER SWITCH FOR OAF-1 SHALL BE SET TO BE RUNNING DURING OPERATING HOURS. TIMER SHALL BE 24/7 ELECTRIC PROGRAMMABLE BY MARKTIME MODEL #42E724P AND SHALL BE 120 VOLT SINGLE PHASE.

ISSUE FOR PERMIT 12/22/20

ISSUE DESCRIPTION DATE

PROJECT
NORTH
N



DATE:
DRAWN BY: JS CHECK: AA/SS
JOB NO: SCALE: AS SHOWN

MECHANICAL FLOOR PLAN
DEMO & NEW WORK

TITLE:
SHEET: M2.1

OAKLAND:
1021 COTTON ST
OAKLAND, CA 94606

 SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

510-36-7000

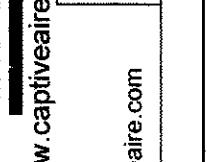
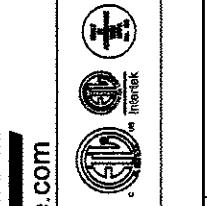
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 Mechanical, Electrical & Plumbing Consultants
 175 LENNON LANE, SUITE 205
 WALNUT CREEK, CA 94598
 TEL: 925-937-6700 | WEB: <http://www.asincs.com>
 PROJECT NUMBER: 20-047

LAZYBIRD

 930 CENTRAL AVE
 ALAMEDA, CA 94501

REVIEWS	
△	DESCRIPTION
△	DATE
△	
△	
△	
△	



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Central Ca

8 Adrian Court, Burlingame, CA 94010 PHONE: (415) 966-2200 FAX: (910) 227-5940 EMAIL: reg91@captiveaire.com

 LAZY Bird Coffee
 LAZY Bird Coffee
 Alameda, CA

 DATE:
 DRAWN BY: JS CHECK: AA/SS
 JOB NO: SCALE: AS SHOWN

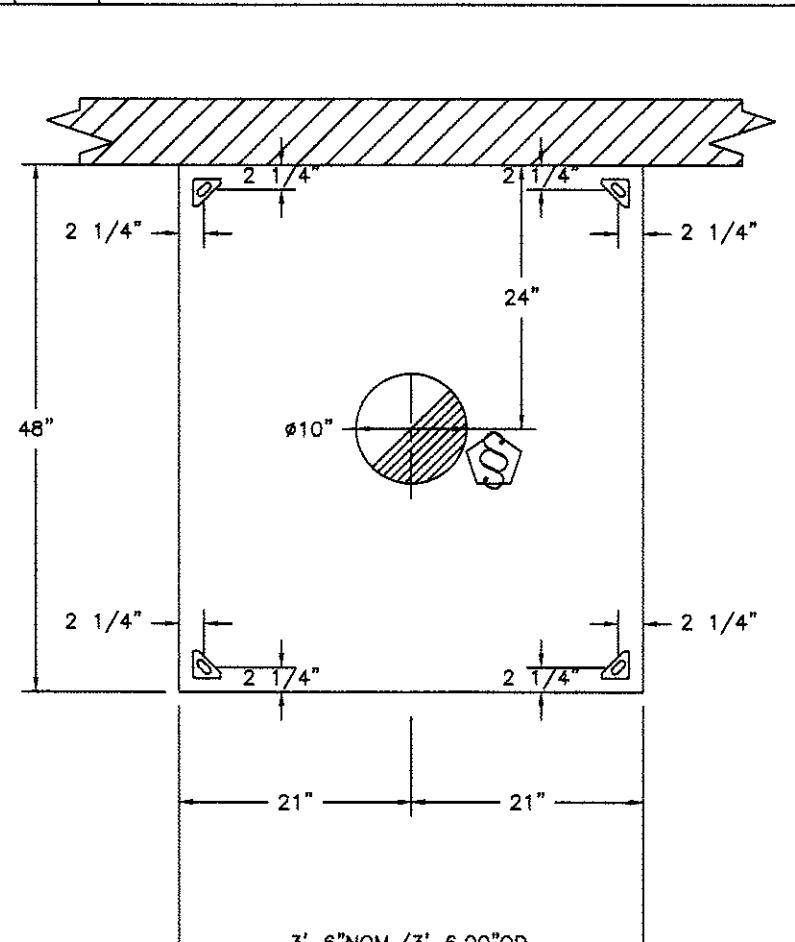
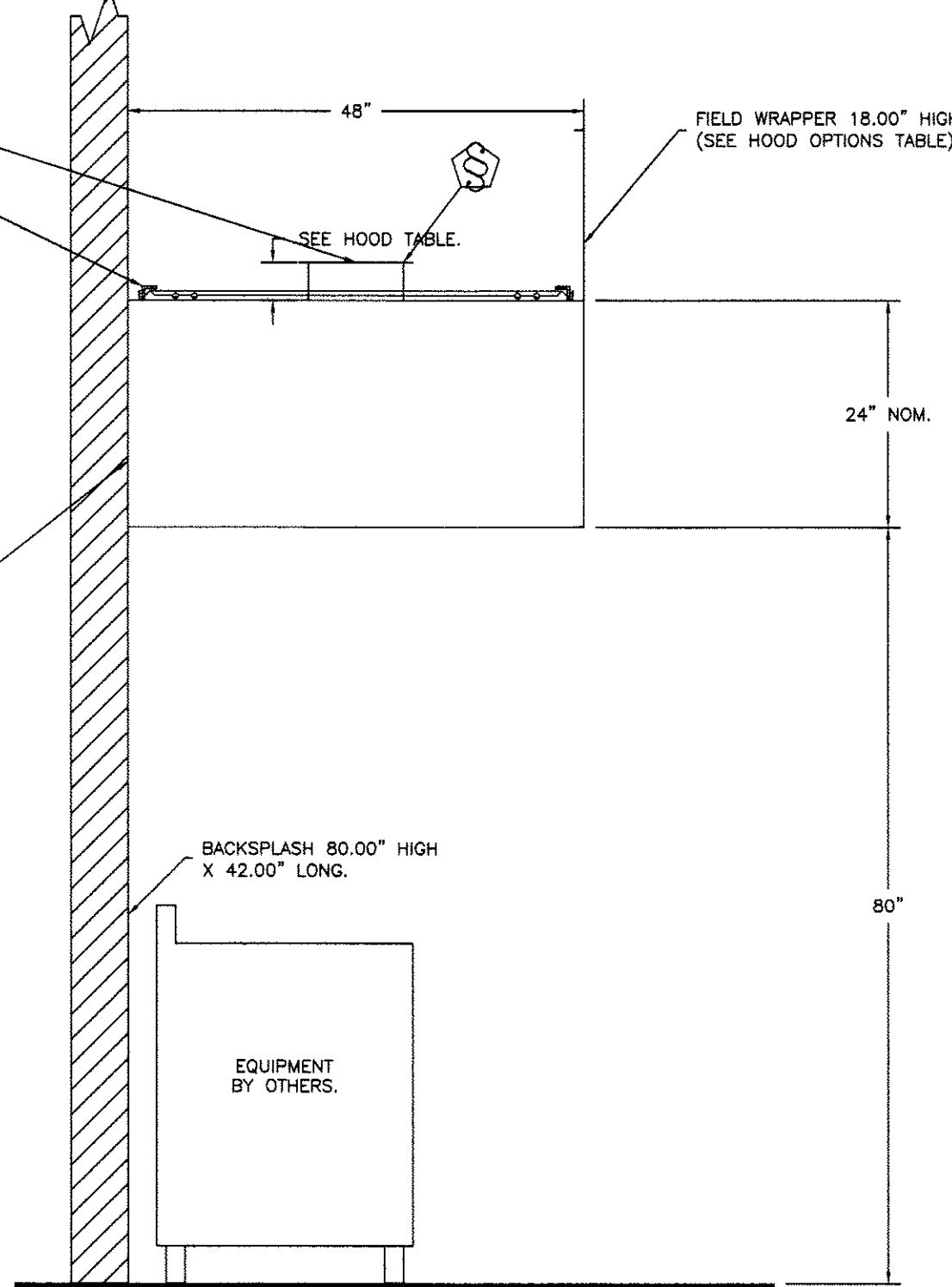
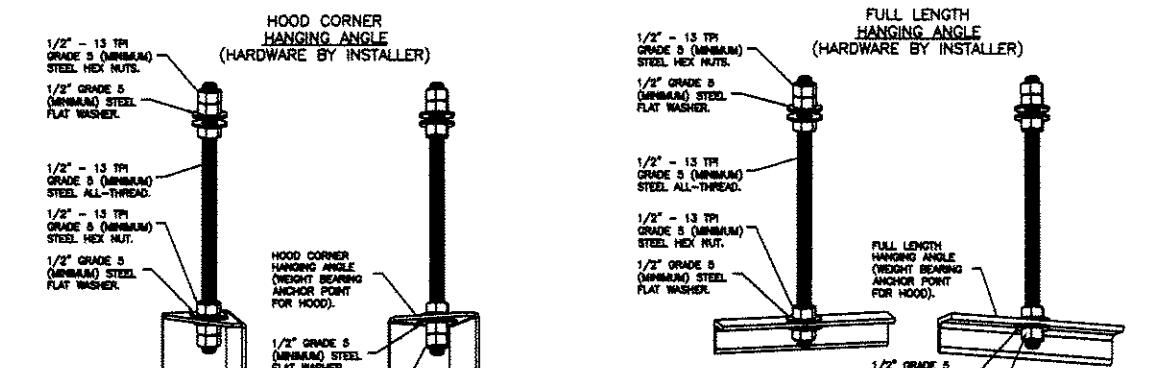
 HVAC CAPTIVE AIRE
 DETAILS

 TITLE:
 SHEET: M3.1

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLUMED RISER(S)				HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	
1	H-1	4824VHB	CAPTIVE AIRE	3' 6"	700 DEG	II	N/A	150	525	4"	10"	525	963	-0.069*	430 SS 100%	ALONE	ALONE

HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM	ELECTRICAL	SWITCHES	FIRE PIPING	HOOD WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY	7 MICRONS	QTY	TYPE	GUARD	LOCATION	SIZE	TYPE	SIZE	MODEL #	QUANTITY		
1	H-1							0									NO	175 LBS

HOOD NO	TAG	HOOD OPTIONS				OPTION	
		FIELD WRAPPER	18.00"	HIGH	FRONT, LEFT, RIGHT	BACKSPLASH	80.00"
1	H-1	FIELD WRAPPER	18.00"	HIGH	FRONT, LEFT, RIGHT	BACKSPLASH	80.00"


 PLAN VIEW - HOOD #1 (H-1)
 3' 6.00" LONG 4824VHB

 SECTION VIEW - MODEL 4824VHB
 HOOD - #1 (H-1)

 ASSEMBLY INSTRUCTIONS
 HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND HANGING ANGLE POINT 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 BEHIND HANGING ANGLES AND ABOVE HANGING ANGLES. MAXIMUM OF EXPOSED THREADS BEHIND BOTTOM HEX NUT, TORQUE ALL HEX NUTS TO 57 FT-LBS.

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ASSEMBLY INSTRUCTIONS

 FOR QUESTIONS, CALL THE
 CAPTIVE-AIRE SYSTEMS
 CENTRAL CALIFORNIA OFFICE

Region 91

 8 ADRIAN COURT
 BURLINGAME, CA 94010
 PHONE: (415) 956-2200
 EMAIL: REG91@CAPTIVEAIRE.COM

 CAPTIVE AIRE HOODS ARE
 BUILT IN COMPLIANCE WITH

UL 710 & ULC710 STANDARDS

E.T.L. LISTED M54904-01

 KLEEN-GARD FILTERS
 ARE BUILT IN COMPLIANCE WITH

NEPA #96

 NFPA 5000
 NFPA 101
 UL 1015 & ULC101 STANDARDS

E.T.L. LISTED M54904-01

EXHAUST FAN INFORMATION - JOB#4650565

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	Φ	VOLT	FLA	WEIGHT (LBS)	SONES
1	EF-1	1	SIF11DD	CAPTIVE AIRE	525	0.500	1172	TEAO-ECM	0.500	0.1450	1	115	6.3	110	6.6

FAN OPTIONS

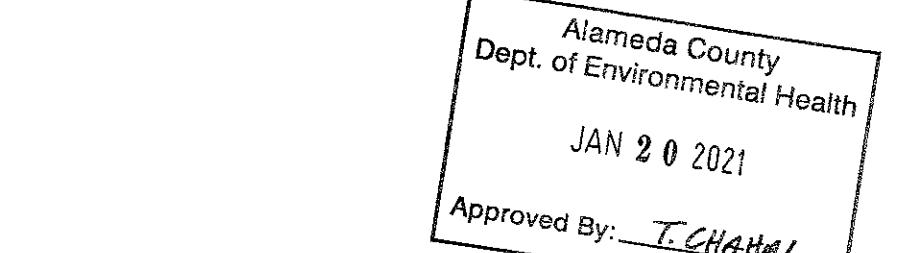
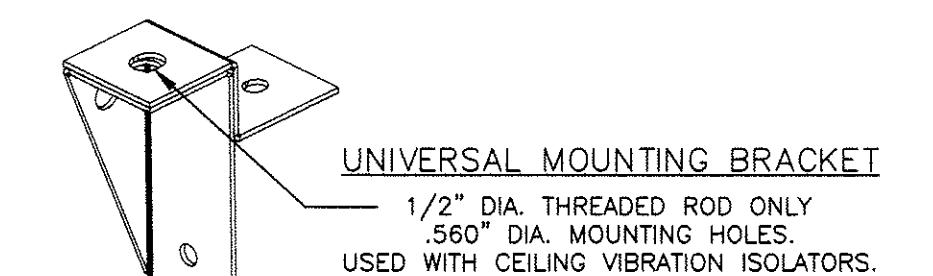
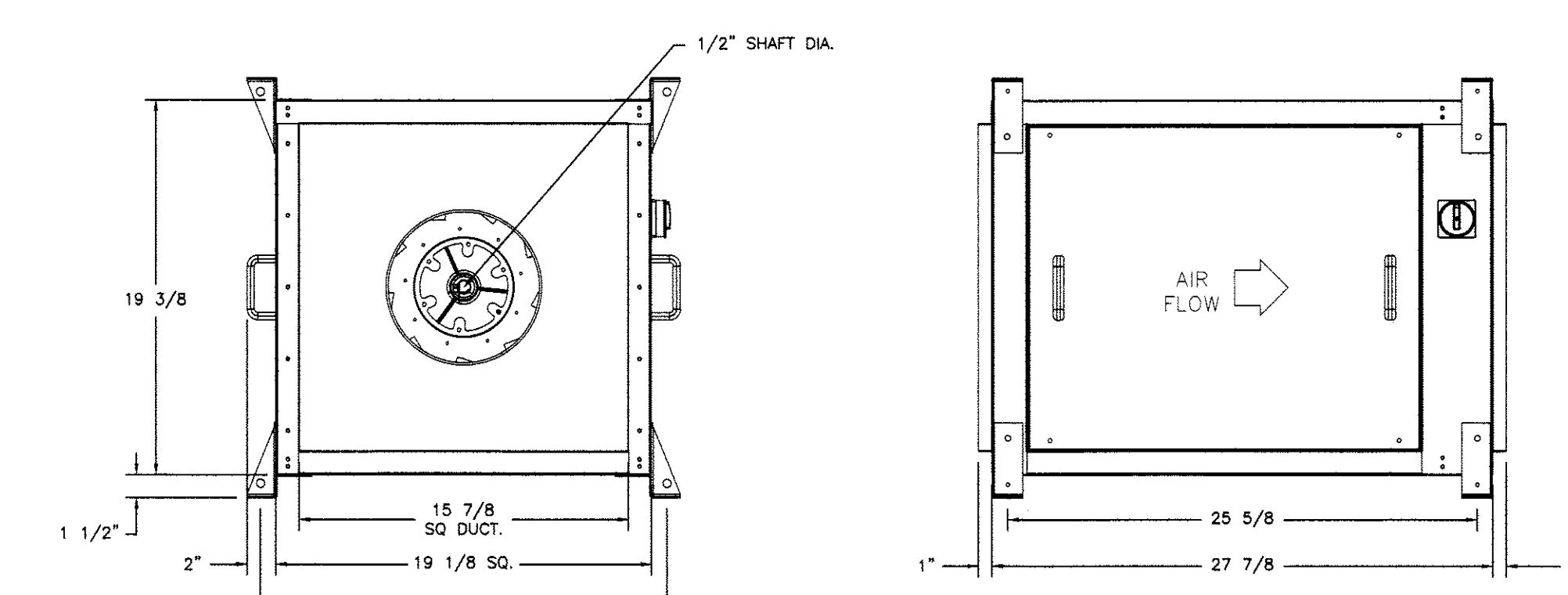
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF-1	1	SIF11 - STRAIGHT DISCHARGE, SQUARE DUCT CONNECTION.
			SIF11 - INLET - SQUARE DUCT CONNECTION.
			SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36).
			ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL - MSC- (TELCO), CCW ROTATION.

FAN ACCESSORIES

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

FAN SOUND DATA

FAN UNIT NO	TAG	MOTOR	SOUND DATA			OCTAVE BAND SOUND DATA								
			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1	EF-1	EXHAUST	64.9	6.6	53.4	5	70.1	65	64.6	62.1	59.2	56.8	52	46

FAN #1 SIF11DD - EXHAUST FAN (EF-1)

 OPTIONS
 SIF11 - STRAIGHT DISCHARGE, SQUARE DUCT CONNECTION.
 SIF11 - INLET - SQUARE DUCT CONNECTION.
 SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36).
 ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL - MSC- (TELCO), CCW ROTATION.

 DEMONSTRATIONS ARE AVAILABLE AT THE
 CAL

LEGEND		ABBREVIATIONS	
—	—	SOIL OR WASTE PIPING BELOW FLOOR SLAB	AC AIR CONDITIONING UNIT
—	—	SOIL WASTE PIPING ABOVE FLOOR	AFF ABOVE FINISHED FLOOR
CD	—	CONDENSATE DRAINAGE PIPING	AP ACCESS PANEL
—	—	SANITARY VENT PIPING	ARCH ARCHITECTURAL
—	—	DOMESTIC COLD WATER PIPING	BF BELOW FLOOR
—	—	WALL CLEANOUT	BFF BELOW FINISH FLOOR
—	—	FLOOR CLEANOUT	BG BELOW GRADE
①	—	SHEET NOTE DESIGNATION	BV BALANCING VALVE
—	—	GATE VALVE	CD CONDENSATE DRAIN
—	—	PIPE RISE	CFF PIPE CAPPED FOR FUTURE CONNECTION
—	—	PIPE DROP	CW DOMESTIC COLD WATER PIPING
—	—	PIPE CONNECTION, BOTTOM	CLO CEILING
—	—	PIPE CONNECTION, TOP	CO CLEANOUT
—	—	UNION	DN DIAMETER
—	—	DIRECTION OF FLOW	(E) EXISTING
—	—	HOSE BIBB	FCO FLOOR CLEANOUT
—	—	BALANCING VALVE	FD FLOOR DRAIN
—	—	SPRINKLER HEAD	FIN.FLR. FINISHED FLOOR
—	—	FLOOR DRAIN	FT FEET
—	—	VENT BELOW FLOOR	FS FLOOR SINK
—	—	EXISTING PIPE ABOVE CEILING	FLR FLOOR
—	—	EXISTING PIPE BELOW GRADE	GAL GALLON
—	—	EXISTING TO BE REMOVED	GPM GALLONS PER MINUTE
—	—	EQUIPMENT TAG	GPF GALLON PER FLUSH
—	—	WASTE AND VENT RISER TAG	GCO GRADE CLEANOUT
—	—	SOLENOID VALVE	GR GAS RANGE
—	—	BALL VALVE	HB HOSE BIBB
—	—	POINT OF CONNECTION TO (E) WORK	HW DOMESTIC HOT WATER PIPING
—	—	EQUIPMENT CALLOUT	HC HANDICAP
—	—	SECTION CALLOUT	IW INDIRECT WASTE
—	—	REVISION TAG	I.C. IN CEILING
			I.E. INVERT ELEVATION
			IEWH INSTANTANEOUS ELECTRIC WATER HEATER
			LAV OR L LAVATORY
			LBS NORMALY CLOSED
			MAX MAXIMUM
			(N) NORMALY CLOSED
			NC NORMALY OPEN
			NO NUMBER
			OFD OWNER FURNISHED CONTRACTOR INSTALLED
			OFCl OWNER FURNISHED CONTRACTOR INSTALLED
			PD PRESSURE DRO
			PG PRESSURE GAUGE
			PH POUNDS
			PSI POUNDS PER SQUARE INCH
			PRV PRESSURE REDUCING VALVE
			PSS PRESSURE SANITARY SEWR
			SK OR S SINK
			RTU ROOF TOP UNIT
			SD STORM DRAIN PIPING
			SO.FT. SQUARE FEET
			SA SHOCK ABSORBER
			SPEC SPECIFICATION
			TP TRAP PRIMER VALVE
			TYp TYPICAL
			TW TEMPERED WATER
			TWR TEMPERED WATER RETURN
			UON UNLESS OTHERWISE NOTED
			UG UNDERGROUND
			UL UNDERWRITER'S LABORATORY
			UR URINAL
			V SANITARY VENT PIPING
			VTR VENT THROUGH ROOF
			VR VENT RISER
			WC WATER CLOSET
			WCO WALL CLEANOUT
			WH WATER HEATER
			W/ WITH
			W/O WITHOUT
			WT WEIGHT
			P-1 PLUMBING FIXTURE IDENTIFICATION

GENERAL SEISMIC NOTES

MEP COMPONENT ANCHORAGE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRE) TO THE BUILDING UTILITY SUCH AS ELECTRICITY, GAS OR WATER.
- MOVEABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS. THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
- COMPONENTS WEIGHTING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHTING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2019 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL PER SMACNA.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF CHANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

GENERAL NOTES

- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE 2019, CALIFORNIA BUILDING CODE, NATIONAL FIRE PROTECTION CODES, BUILDING EDITION DESIGN CRITERIA, AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- COORDINATE PLUMBING SYSTEMS WITH WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- COORDINATE LOCATIONS OF ALL ROOF OPENINGS WITH STRUCTURAL, MECHANICAL AND ARCHITECTURAL PLANS PRIOR TO ANY INSTALLATION.
- PLATFORMS, CURBS, AND FLASHING FOR PLUMBING EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE. COORDINATE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORTS FOR FURNISHED EQUIPMENT.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED TO OWNER'S REP.
- PIPES SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- HORIZONTAL PIPING THRU METAL STUDS IS PROHIBITED.
- WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER.
- SOIL, WASTE, DRAIN, AND VENT PIPING BELOW AND INSIDE BUILDING, USE NO HUB CAST IRON PIPE WITH 24 GA. STAINLESS STEEL COUPLING AND NEOPRENE GASKETS.
- INSTALL DIELECTRIC FITTING BETWEEN FERROUS AND NON-FERROUS MATERIALS.
- PROVIDE STOP VALVES IN EACH WATER SUPPLY AT EACH PLUMBING FIXTURE.
- COMPLY WITH BUILDING STANDARDS FOR ALL PLUMBING. VERIFY WITH OWNER FOR PLUMBING BUILDING STANDARDS.
- HORIZONTAL WASTE PIPING SHALL HAVE MINIMUM SLOPE OF (1/4" PER FOOT AND 1/8" PER FOOT FOR STORM DRAIN) UNLESS NOTED OTHERWISE ON THE PLANS. 1/8" SLOPE FOR SANITARY SEWER ALLOWED FOR 4" AND LARGER SEWER PIPE DUE TO STRUCTURAL CONDITION ONLY AND SUBJECTED TO APPROVAL FROM AHJ.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
- VENT PIPE SHALL TERMINATE VERTICALLY NOT LESS THAN 6 INCHES ABOVE ROOF NOR 12 INCHES FROM ANY VERTICAL SURFACES. EACH VENT SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 3 FEET ABOVE ANY OPERABLE WINDOW, DOOR, OPENING AIR INTAKE, OR VENT SHAFT.
- INSULATE PIPE PER 2016 T-24. ALL HOT WATER SUPPLY AND RETURN CIRCULATING LOOP PIPING.
- PIPE PROTECTION: PENETRATION OF RATED ASSEMBLIES SHALL BE FIRE STOPPED.
- PROVIDE U.L. LISTED FIRE RATED "MOLDABLE PUTTY" AND/OR CAULKING AROUND RECESSED VALVE BOXES IN RATED WALLS OR CEILING, AS REQUIRED BY CODE.
- FLUSH VALVE FOR HANDICAP WATER CLOSET FLUSH MECHANISM SHALL BE PROVIDED ON THE OPEN SIDE OF STALL.
- PROVIDE ADA COMPLIANT COVERS OVER P-TRAP AND WATER SUPPLY LINES AND STOPS AT ALL LAVATORIES "TRAP WRAP" INSULATION KIT BY BROCAR-PRODUCTS INC.
- ALL SERVICE SHUT-DOWN AND START-UPS SHALL BE SCHEDULED IN ADVANCED AND SUPERVISED OR PERFORMED BY FACILITY MANAGEMENT STAFF.
- ALL WORK IN OCCUPIED AREAS SHALL BE SCHEDULED DURING OFF-HOURS AND COORDINATED WITH THE FACILITY, SO THAT SUCH WORK IS COMPLETED, AREA CLEANED AND ALL SERVICES IS RESTORED AND CODE COMPLIANT PRIOR TO RETURNING TO NORMAL FACILITY OPERATION HOURS.
- PLUMBING FIXTURES AND FITTINGS SHALL COMPLY WITH CALGREEN TABLE 5.30.3.6.
- EVERY PLUMBING FIXTURE THAT CONNECTS TO THE SANITARY SEWER SYSTEM SHALL BE PROPERLY TRAPPED AND VENTED IN ACCORDANCE WITH 2016 CPC. TRAP PRIMER SYSTEM SHALL CONSIST OF A STAINLESS STEEL SERVICE ACCESS PANEL 12"X12", BRONZE LEAD-FREE BALL VALVE UPSTREAM AND A COPPER X FIP (FEMALE IRON PIPE) UNION DOWNSTREAM. BRONZE BALL VALVE SHALL BE MANUFACTURED BY NIBCO OR APPROVED EQUAL.
- PROVIDE ISOLATION VALVE W/AP FOR ALL FIXTURE FOR SERVICE & MAINTENANCE.
- ALL CLEANOUTS SHALL BE ACCESSIBLE FOR REGULAR MAINTENANCE.
- ALL (E) PLUMBING SYSTEM TO REMAIN SHALL BE CLEAN & FREE OF ANY PLUG OBJECTS.
- PROVIDE ACCESS DOOR FOR ALL EQUIPMENT, VALVES AND CLEAN OUTS WHICH REQUIRE ACCESS FOR ADJUSTMENT OR SERVICING, AND WHICH ARE LOCATED IN OTHERWISE INACCESSIBLE LOCATIONS, PERMIT MAINTENANCE AND ADJUSTMENT OF THE DEVICE.
- INSTALL ALL PLUMBING FIXTURES TO BE FULLY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT OF 1990, FIXTURES AND THEIR INSTALLATION SHALL ALSO COMPLY WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PUBLICATION A117.1; PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE AND/OR GOVERNING CODES. ALL PLUMBING FIXTURES EQUIPMENT, TRIM, & FITTINGS SHALL COMPLY WITH LOCAL STATE, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO WATER AND ENERGY CONSERVATION CODES.
- THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MIN. CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL BE PROVIDED AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUCTED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES.

PIPE MATERIAL SCHEDULE											
NOTE: "OUTSIDE" COLUMN IS TO 5'-0" OUT SIDE BLDG. FOR CONT. SEE CIVIL PLANS AND SPECIFICATION											
SERVICE											
WATER (CW) (HW)											
WASTE & VENT (W) (V)											
DRAIN (DR)											
GAS											
IRRIGATION(IRR)											
PRESSURIZED STORM & SEWER											
CONDENSATE											
REMARKS											
7.76 PSI/100FT @ 8 FT/S VEL FOR CW & 5 FT/S FOR HW											
GRAVITY @ 2% STANDARD											
USE ABS FOR BURIED DRAIN PIPE INSIDE											
NOTE: SANITARY SEWER PIPE 5'-0" OUTSIDE THE BUILDING, USE ABS WHEN BURIED 3'-0" OR LESS, AND PVC C-900 FOR DEEPER PIPE.											

MAXIMUM DRAINAGE FIXTURE UNITS ALLOWED FOR EACH PIPE			
PIPE SIZE (INCH)	VERTICAL	HORIZONTAL 1/4" SLOPE	HORIZONTAL 1/8" SLOPE
2"	16	8	NA
2 1/2"	32	14	NA
3"	48	35	NA
4"	256	216	172.8
5"	600	428	342.4
6"	1380	720	576
8"	3600	2840	2112
10"	5600	4680	3744
12"	8400	8200	6560

<b



TAURANT
GN
CEPTS

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ALAMEDA, CA 94501

PLUMBING FIXTURE CONNECTION AND SCHEDULE

PLUMBING FIXTURE CONNECTION AND SCHEDULE

CODE	DESCRIPTION	SPECIFICATIONS	GAS		WASTE		TRAP	VENT	CW	HW	REMARKS
			CAP(MBH)	CONN.	DIR.	INDIR.					
L-1 (ITEM#M1)	LAVATORY-WALL MOUNT ADA HEIGHT	WALL HUNG TRUEFORM CONCRETE FLO-24V-CONTEMPO LIMESTONE LAV. SEE ARCHITECTURAL DRAWINGS FOR LAV SPEC., AND MOUNTING HEIGHT. W/ .35 GPM AERATOR. COORDINATE THE FAUCET HOLE REQUIREMENTS WITH THE LAV PRIOR TO ORDERING.	-	-	2"	-	1-1/2"	1-1/2"	1/2"	1/2"	1 HOLE FOR HOT AND COLD WATER CONNECTION. PROVIDE SUPPLY WITH STOPS. ITEM#M1 FROM EQUIPMENT SCHEDULE.
WC-1	FLOOR MOUNTED WATER CLOSET - TANK TYPE ADULT - ADA HEIGHT	AMERICAN STANDARD MODEL 2467.100, ADA HEIGHT, VITREOUS CHINA, ELONGATED FRONT BOWL PRESSURE ASSISTED TANK 1.1 GPF & SEAT CHURCH MODEL 295CT.	-	-	4"	-	INT.	2"	1"	-	
SK-1 (K-28)	3-COMP SINK-WALL MOUNT	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	-	3"	2"	1-1/2"	1/2"	1/2"	K-28 PER K EQUIPMENT SCHEDULE.
SK-2 (K- 16)	HAND SINK- WALL MOUNT	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	2"	-	1-1/2"	1-1/2"	1/2"	1/2"	K-16 PER K EQUIPMENT SCHEDULE.
SK-3 (K- 24)	HAND SINK- WALL MOUNT	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	2"	-	1-1/2"	1-1/2"	1/2"	1/2"	K-24 PER K EQUIPMENT SCHEDULE.
SK-4 (K- 25)	PREP SINK- WALL MOUNT	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	-	2"	1-1/2"	1-1/2"	1/2"	1/2"	K-25 PER K EQUIPMENT SCHEDULE.
MS-1 (K- 54)	MOP SINK- FLOOR MOUNT	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	3"	-	1-1/2"	1-1/2"	1/2"	1/2"	K-54 PER K EQUIPMENT SCHEDULE.
WF-1 (K-18)	WATER FILTER FOR ICE MAKER(IM-1)	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS. CONNECT WATER TO IM-1 PER K-SERIES	-	-	-	-	-	-	1/2"	-	K-18 PER K EQUIPMENT SCHEDULE.
IM-1 (K-19)	ICE MAKER(IM-1)	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	-	3/4" TO FS	-	-	1/2"	-	K-19 PER K EQUIPMENT SCHEDULE.
EM-1(K-4)	ESPRESSO MAKER	SEE ARCH'L DWG FOR SINK SPECIFICATION-OWNER FURNISHED	-	-	-	1" TO FS	-	-	1/2"	-	K-4 PER K EQUIPMENT SCHEDULE.
CM-1 (K-11)	COFFEE MAKER	SEE ARCH'L DWG FOR SINK SPECIFICATION-OWNER FURNISHED	-	-	-	-	-	-	1/2"	-	K-11 PER K EQUIPMENT SCHEDULE.
GR-1 (K-6)	GLASS RINSER	SEE ARCH'L DWG FOR SINK SPECIFICATION-OWNER FURNISHED	-	-	-	1" TO FS	-	-	1/2"	-	K-6 PER K EQUIPMENT SCHEDULE.
WCO-1	WALL CLEANOUT	J.R. SMITH MODEL 9776TW1 STAINLESS STEEL COVER PLATE.	-	-	3"	-	-	-	-	-	
CO-1	CLEANOUT	ZURN MODEL 1445 DURA-COATED CAST IRON CLEANOUT WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG.	-	-	3"	-	-	-	-	-	
FS-1	FLOOR SINK	J.R. SMITH 9691 SERIES, 14 GA. STAINLESS STEEL, 12" SQUARE TOP.	-	-	2"	-	2"	2"	1/2" TP	-	
FCO-1	FLOOR CLEANOUT	J.R. SMITH FLOOR CLEANOUT, MODEL 4020	-	-	3"	-	-	-	-	-	
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCT MODEL 500 OR EQUAL WITH ZURN Z-1447 WALL ACCESS PANEL W/UNION & GATE VALVE (ON DEAD ENDS)	-	-	-	-	-	-	1/2"	-	
SK-5 (K- 12)	HAND SINK- COUNTER MOUNT	SEE K-SERIES DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.	-	-	-	2" TO FS	-	1-1/2"	1/2"	1/2"	K-24 PER K EQUIPMENT SCHEDULE.

NOTES:

1- ALL HOT WATER AND DRAIN PIPES SHALL
BE INSULATED.

2- SEE ARCHITECTURAL DRAWINGS FOR FOOD
SERVICES EQUIPMENT TYPE & IDENTIFICATION.
FOOD SERVICE EQUIPMENT IS DESIGNATED BY
LETTER "K" IN ARCH'L EQUIPMENT LIST.

3- THERE SHALL BE NO SHARP OR ABRASIVE
SURFACE UNDER LAVATORIES/SINKS.

4- FORCE TO ACTIVATE FAUCET CONTROLS
SHALL BE NO GREATER THAN 5 LBS.

5- COMPLY W/ CA AB 1953 LEAD PLUMBING
LAW.

NOTES:

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4- FORCE TO ACTIVATE FAUCET CONTROL
SHALL BE NO GREATER THAN 5 LBS.

5- COMPLY W/ CA AB 1953 LEAD PLUMBING
LAW.

TANKLESS GAS WATER HEATER SCHEDULE

NOTES: SET TEMPERATURE FOR 120°F. MOUNT ON WALL OUTSIDE. CONDENSING TYPE. OUTDOOR INSTALLATION. INSTALL PER MFR'S RECOMMENDATIONS.

EXPANSION TANK SCHEDULE

EXPANSION TANK SCHEDULE						
CODE	LOCATION	MANUFACTURER	MODEL NO.	CAPACITY GALLONS	AIR PRE-CHARGE	REMARKS
ET-1	NEAR WATER HEATER	BELL & GOSSETT	PTA-5	2.1	—	—

Alameda County
Dept. of Environmental Health

GREASE INTERCEPTOR UNIT SCHEDULE								
CODE	LOCATION/ SERVING	MANUFACTURER	MODEL NO.	CAP.(LBS)	FLOW	DIMENSIONS	IN/OUT PIPE	REMARKS
				(GREASE)	(GPM)	LENGTHXWIDTHXDEPTH	INCH	
GI-1	UNDER FLOOR SK-1-3-COMP	ZURN	Z-1170	100	50	36"X24.5"X21.1/2"	3/3	SEE NOTES
-	-	-	-	-	-	-	-	-

NOTES:
 -SEE PLAN FOR NOTES.
 -PROVIDE GREASE INTERCEPTOR WITH FLOW CONTROLLER. PROVIDE EXTENSION AS REQUIRED.
 -INSTALL PER MANUFACTURE'S RECOMMENDATIONS. PROVIDE CLEARANCES AROUND THE UNIT AS REQUIRED BY MFR.

U-1-Grease Removal Unit Sizing for 3-comp sink
 Project Title: Lazyboy coffee
 Project No:020-047
 Done By: SS on 12/11/2020

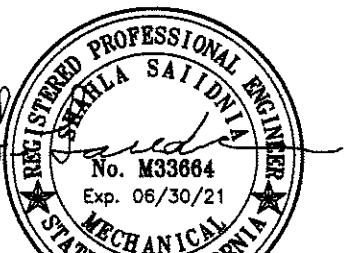
TESTS:
 231 cu.in contains 1 gal = 1gal/231 cu.in
 Use .75 diversity factor- 3/4 of the sink filled up
 Determine the flow rate= In general, good practice dictates a one minute drainage period= 60gal/minute (gpm) flow rate

Calculation

Three-compartment sink (SK-1)	8064 cu.in
Volume of each compartment (24"x24"14")	24192 cu.in
Volume of 3 compartment sink	104.73 gpm
Flow rate for three-compartment sink (231 cu.in/gpm)	78.545 gpm
0.75 div. factor (3/4 of the sink is full)	39.273 gal
Grease Interceptor (GI) gallon for TWO minute duration	

U-1 FOR 3-COMP SINK- BIG DIPPER W-500-IS

EQUIPMENT SCHEDULE				PLUMBING SCHEDULE									
ITEM NO.	SUPPLIED BY	QTY.	DESCRIPTION	INSTALLED BY	WATER			WASTE		GAS		PLUMBING REMARK	
					CW	HW	HT	DIR	INDIR	HT	BTU 1,000	CONN SIZE	
4	OWNER	1 EA.	LA MARZOCCO 2 GROUP	PC	1/2"				1"				PROVIDE S.O.V. RUN 1/4" COPPER TUBING TO UNIT CONNECTION RUN IND. DRAIN TO FLOOR SINK
5	RDC	1 EA.	GLASS RINSER	MICROMATIC GR-UCM	PC	1/2"		+16"		1"			PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. RUN IND. DRAIN TO FLOOR SINK
1	OWNER	1 EA.	COFFEE MAKING SYSTEM, TWIN STATIONS	FETCO CBS-1152V	P.C.	1/2"		+44"					PROVIDE S.O.V. RUN 1/4" COPPER TUBING TO UNIT CONNECTION
2	RDC	1 EA.	STN. STL. DROP-IN HAND SINK WITH FAUCET. 12"W X 17"L X 10"D. PROVIDED WITH LEVEL WRIST HANDLES	BK DDI-0909524-P-G	PC	1/2"	1/2"	+16"		1 1/2"			PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. RUN IND. DRAIN TO FLOOR SINK
5	RDC	1 EA.	STN. STL. DROP-IN HAND SINK WITH FAUCET. 12"W X 17"L X 10"D. PROVIDED WITH LEVEL WRIST HANDLES	GSW HS-1317H	PC	1/2"	1/2"	+16"	1 1/2"	23"			PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. INSTALL "P" TRAP AS REQUIRED.
3	G.C.		WATER FILTER FOR ICE MAKER. SINGLE FILTER.		PC	1/2"		+48					PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION.
9	OWNER		150 LB. ICE MAKER WITH 73LB. BIN. 25"W. X 27"D. X 39"H. AIR COOL. HALF DICE. SELF CONTAIN. 115V. SINGLE PHASE.	HOSHIZAKI KM-230BAJ	PC				3/4"				CONNECT COLD WATER SUPPLY LINE FROM WATER FILTER. RUN IND. DRAIN TO FLOOR SINK
4	RDC	1 EA.	STN. STL. WALL MOUNT HAND SINK WITH WRIST HANDLE FAUCET, 15"X19"W	GSW HS-1615W	PC	1/2"	1/2"	+16"	1 1/2"	23"			PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. INSTALL "P" TRAP AS REQUIRED.
5	RDC	1 EA	SINGLE COMPART PREP SINK. OVER ALL 39"L. X 24"D. TUB SIZE 18" X18" X 12"D. WITH 18" DRAIN BOARD LEFT SIDE.	MIXRITE MSSA-1-L	PC					2"			PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. RUN IND. DRAIN TO FLOOR SINK
6	RDC	1 EA.	SPLASH MOUNT FAUCET WITH 10" SWING NOZZLE WITH WRIST HANDLES.	BK RESOURCES BKF-10-G	PC	1/2"	1/2"	+16"					PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION.
8	OWNER	1 EA.	THREE COMPARTMENT POT SINK. 18" X 18" TUBS WITH TWO 18" DRAIN BOARDS. 16 GA. STAINLESS.	MIXRITE MRSB-3-D	PC				2"				VERIFY WITH MECHANICAL ENGINNER'S PLANS FOR DRAINAGE TO GREASE TRAP REQUIREMENT
9	RDC	1 EA.	SPLASH MOUNT FAUCET WITH 12" FILLER AND PRE-RINSE SPREAD	BK RESOURCES BKF-SMPR-WB-AF12-G	PC	1/2"	1/2"	+16"					PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION.
2	RDC	1 EA.	MAKE-UP AIR SYSTEM FOR ITEM #39 SEE MECH ENG. PLANS FOR DETAIL	J AND K	PC								VERIFY WITH MECH. ENGINEERING PLANS FOR REQUIREMENT.
2	RDC	1 EA.	LOW FLOOR MOUNT MODEL STN. STL. MOP SINK. 24"X 24" X 10"H.	GSW SE2424-1FM	PC				2"				PROVIDE DRAIN IN FLOOR.
4	RDC	1 EA.	MOP SINK FAUCET WITH VACUUM BREAKER.	BK RESOURCES BKSF-WB1	PC	1/2"	1/2"	+36"					RUN PIPING TO UNIT CONNECTION.
1	P.C.	SEE PLAN	FLOOR SINK	J.R. SMITH 2010A OR EQ.	P.C.				1 1/2"				INSTALL FLUSH W/ FINISH FLOOR W/ GRATE W/ DOME STRAINER. INSTALL SO FRONT ALIGNS W/ FACE OF CABINET OR EQUIPMENT.
2	P.C.	SEE PLAN	FLOOR DRAIN	COMMERCIAL 906	P.C.				1 1/2"				INSTALL FLUSH W/ FINISH FLOOR. PROVIDE TRAP PRIMER. SLOPE FLOOR TO DRAIN.
3	P.C.	SEE PLAN	HOSE BIBB W/ BUILT IN VACUUM BREAKER		P.C.	1/2"		+23"					
1	G.C.	SEE PLAN	ACCESSIBLE HAND SINK W/ FAUCET		P.C.	1/2"	1/2"	+23"	1 1/2"				PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION.
2	G.C.	SEE PLAN	WATER CLOSET		P.C.	1/2"		+9"	3"				PROVIDE S.O.V. RUN PIPING TO UNIT CONNECTION. FLOOR MOUNT UNIT. WASTE DRAIN IN FLOOR
3	G.C.		ACCESSIBLE URINAL		P.C.	1/2"		+16"	3"				FLOOR MOUNT UNIT. WASTE DRAIN IN FLOOR



EW: _____
OWN BY: JS CHECK: AA/SS
No: SCALE: AS SHOWN

PLUMBING SCHEDULES

P0.2

P0.2



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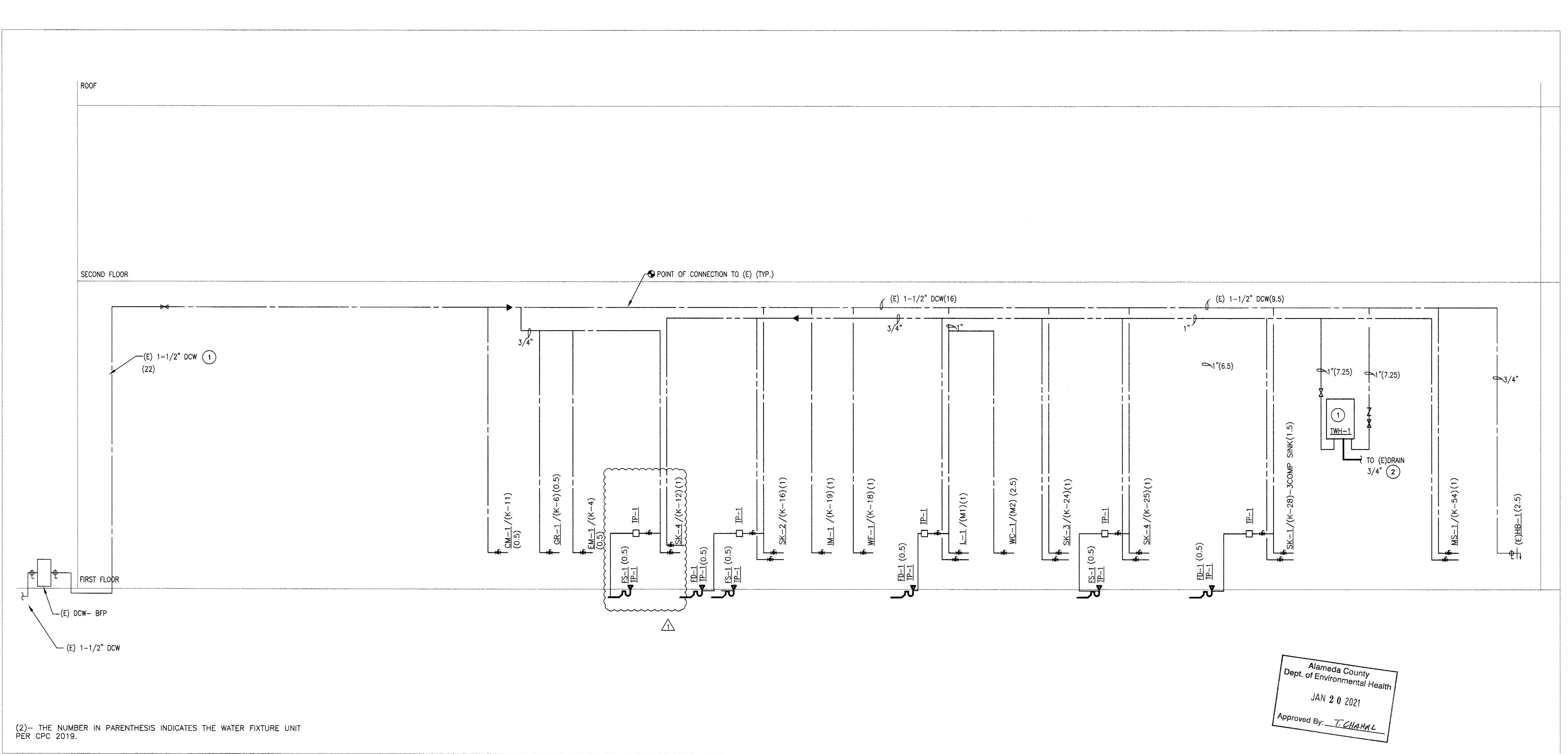
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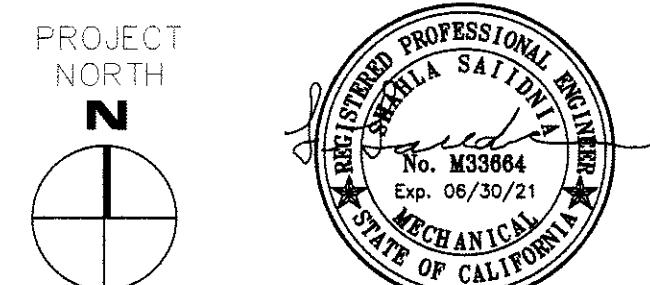


PLUMBING RISER DIAGRAM- COLD AND HOT WATER

1 SCALE:NONE

SHEET NOTES:

(1) TWH-1: TANKLESS WATER HEATER SEE SCHEDULE P0.2 AND DETAIL P4.1.
(2) TERMINATE 3/4" RELIEF DRAIN OVER MS-1 WITH AIR GAP PER CPC 2019.



DATE: _____
DRAWN BY: JS CHECK: AA/SS
Job No: SCALE: AS SHOWN

PLUMBING RISER
DIAGRAM- HOT &
COLD WATER
TITLE: _____
SHEET: _____

P3.1



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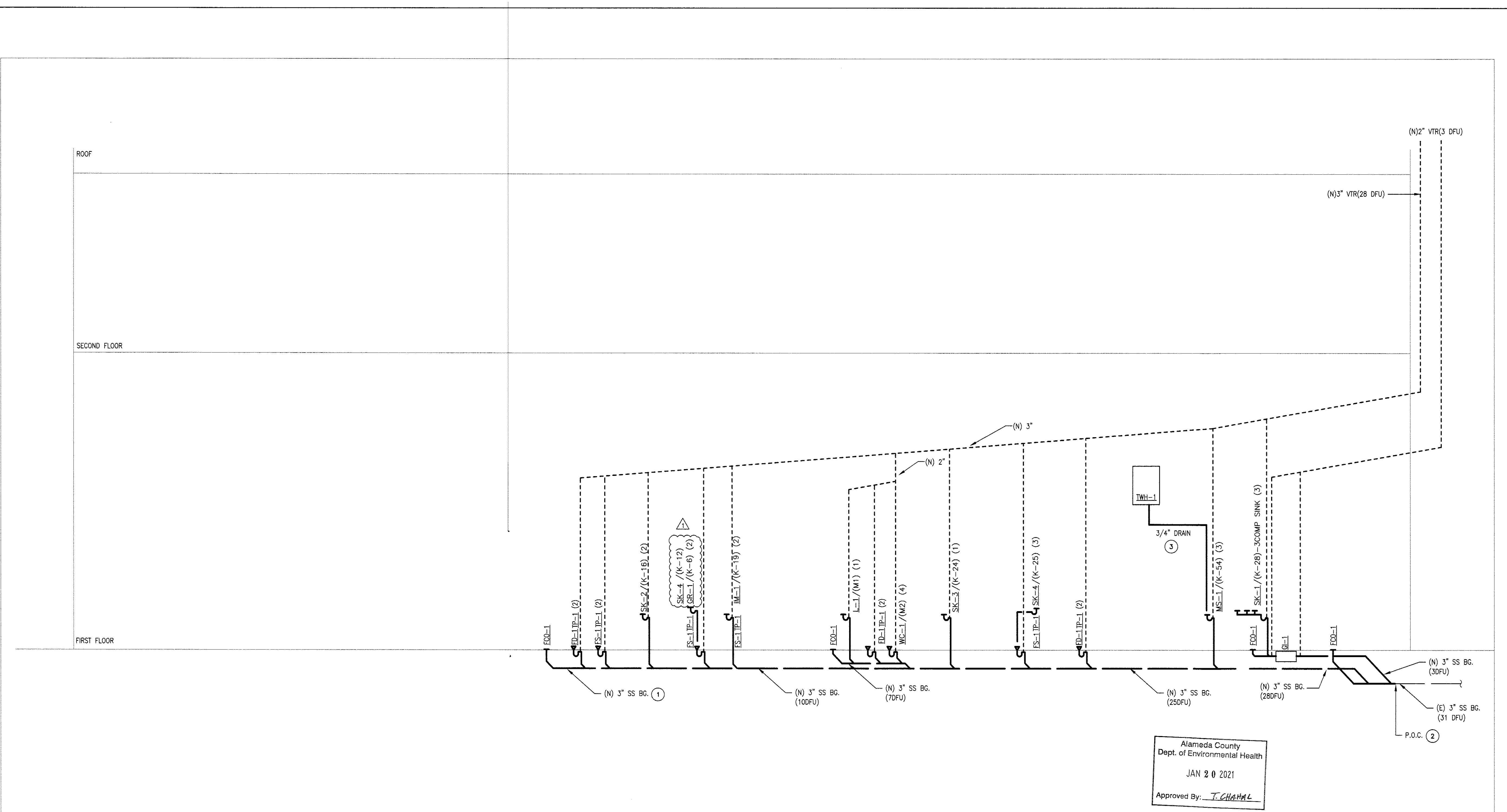
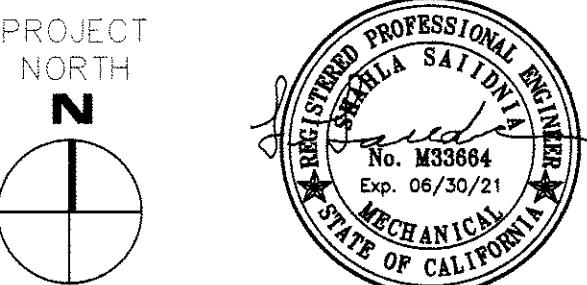
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— —
HEALTH DEPT. RESUBMIT 01/13/21
ISSUE FOR PERMIT 12/22/20
ISSUE DESCRIPTION DATE



DATE: _____
DRAWN BY: JS CHECK: AA/SS
JOB NO: SCALE: AS SHOWN

PLUMBING RISER
DIAGRAM- SEWER &
VENT
TITLE: _____
SHEET: _____

P3.2



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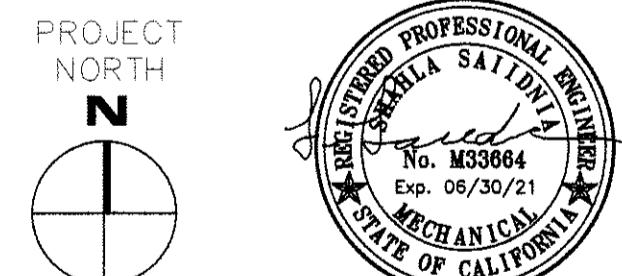
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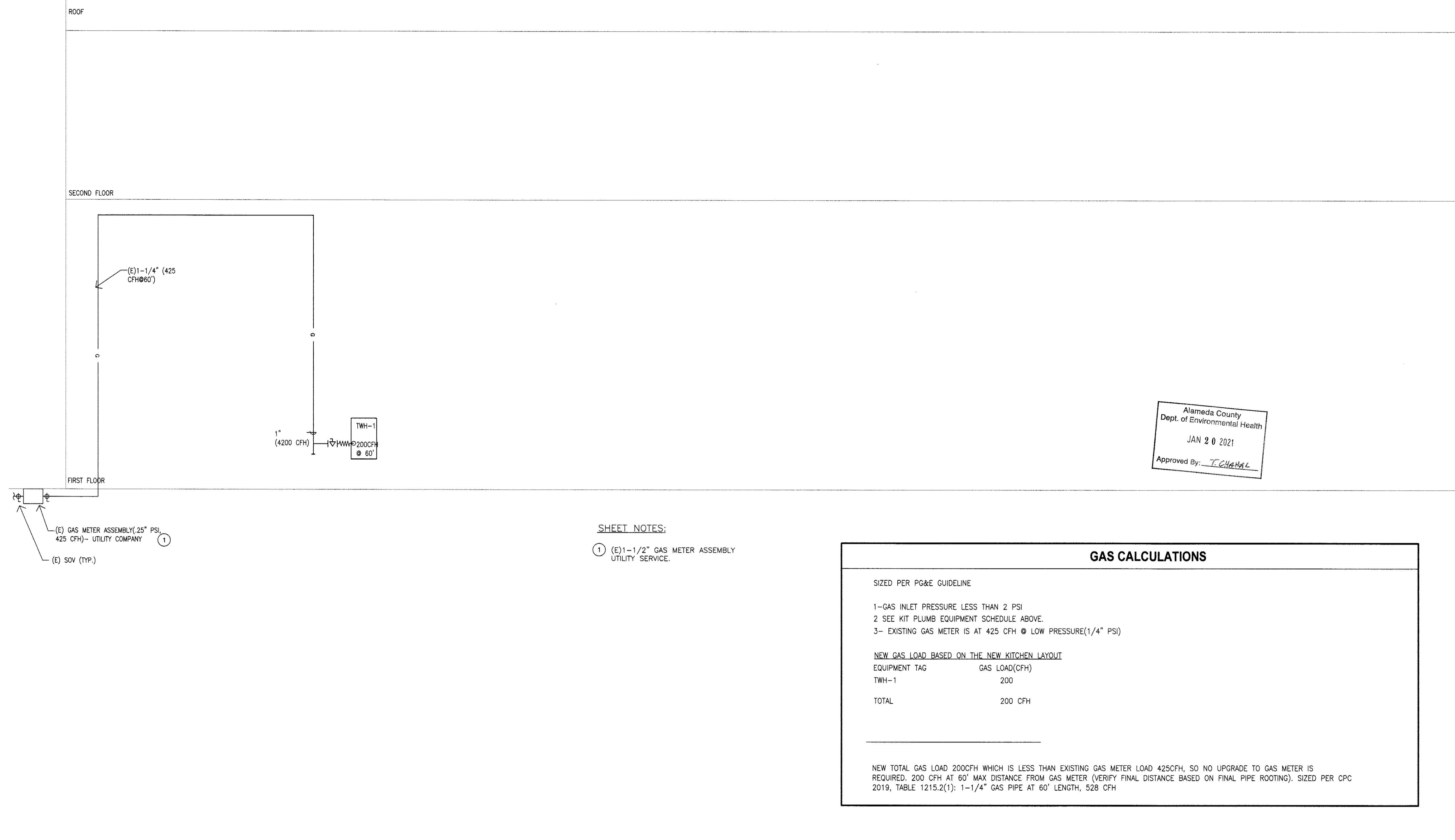
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ISSUE DESCRIPTION DATE



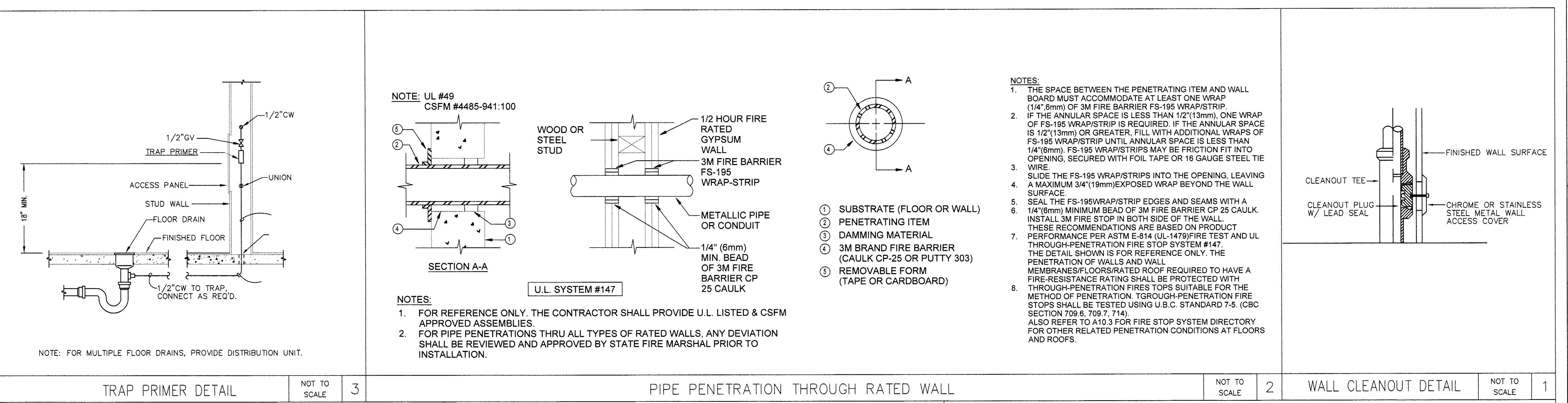
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Job No: SCALE: AS SHOWN

PLUMBING GAS RISER
DIAGRAM &
CALCULATION
TITLE:
SHEET:

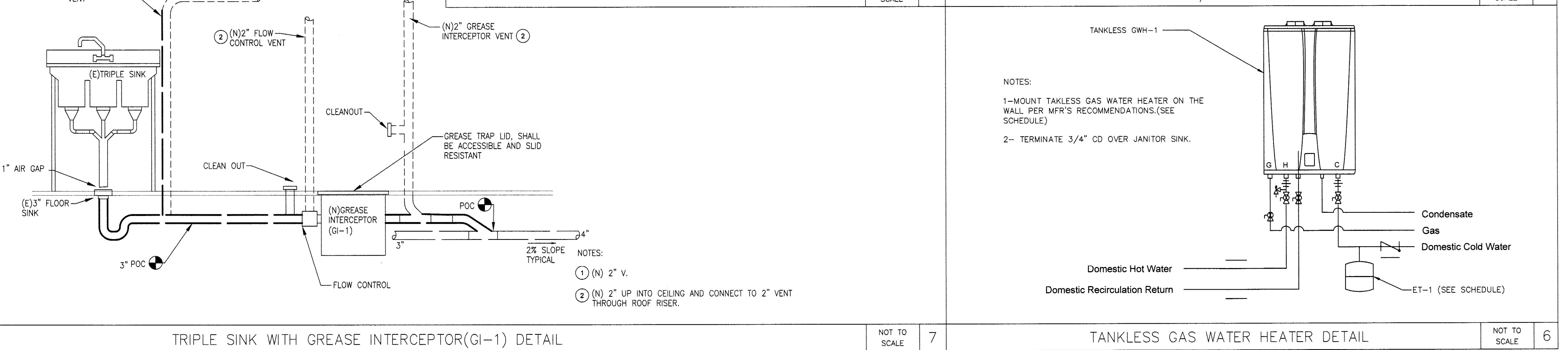
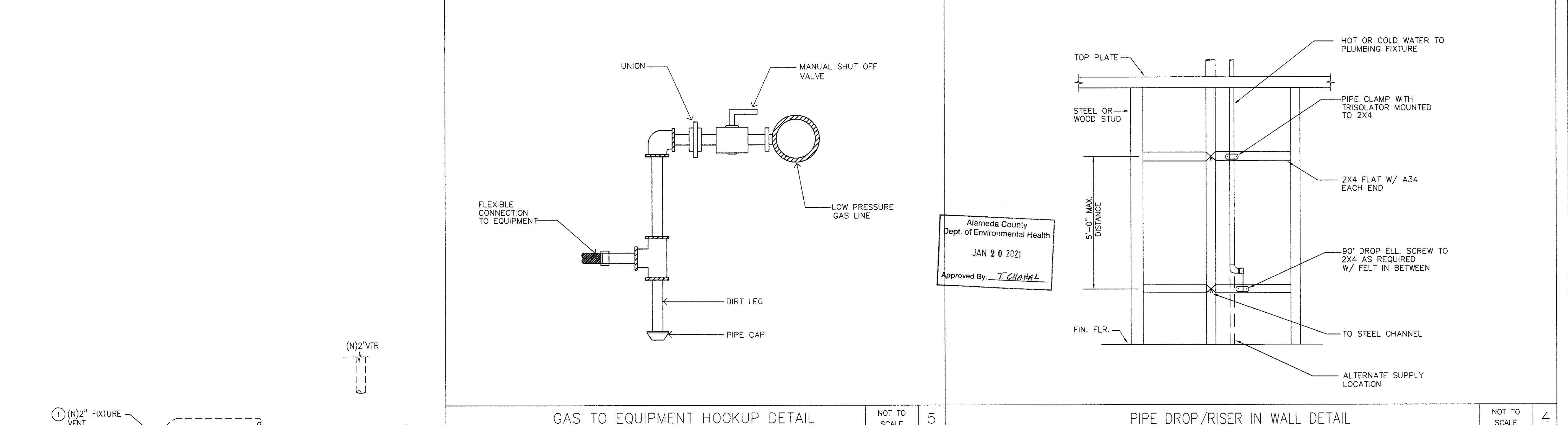
P3.3



1 PLUMBING GAS RISER DIAGRAM & CALCULATION
SCALE:NONE

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TRAP PRIMER DETAIL	NOT TO SCALE	3	PIPE PENETRATION THROUGH RATED WALL	NOT TO SCALE	2	WALL CLEANOUT DETAIL	NOT TO SCALE	1
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PROJECT NORTH

 DATE: _____
 DRAWN BY: JS CHECK: AA/SS
 JOB NO: SCALE: AS SHOWN

PLUMBING DETAILS
 TITLE: _____
 SHEET: P4.1



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LIGHTING FIXTURES SCHEDULES

ITEM NO.	QTY.	CATALOG NO.	AMOUNT AND TYPE OF BULB	WATTS PER FIXTURE	REMARKS	SUPPLIED BY	INSTALLED BY	SYMBOL
(A)	SEE PLAN	NORA LIGHTING NTE-875-935-B OR EQUAL	(3) 18 WATTS	54 WATTS	BLACK ROUND TRACK LIGHT, 3 PER TRACK FLOOD STYLE DIMMABLE/3500K/1100LM PER HEAD	G.C.	ELEC. CONT.	
(B)	SEE PLAN	LITHONIA CPANL LED CPANL 2X4 35K WITH BRACKET 5000 LUMENS	LED 4000K	42 WATTS	24" X 48" FLUSH MOUNT LED PANEL FRAME: ALUMINUM REPLACE (E) LIGHTING WITH THIS UNIT	ELEC. CONT.	ELEC. CONT.	
(C)	3 EA.	SEE K3.0 / ITEM #203 HANGOUT LIGHTING #CUSTOM SINGLE PENDANT	(1)-4W	4 WATTS 3500K	SINGLE PENDANT WITH BLACK HINGE CAGE LED EDISON BULB 6"-8" A.F.F.	TBD	ELEC. CONT.	
(D)	SEE PLAN	LITHONIA CPANL LED CPANL 2X2 35K WITH BRACKET 4400 LUMENS	LED 4000K	39 WATTS	24" X 24" FLUSH MOUNT LED PANEL FRAME: ALUMINUM	ELEC. CONT.	ELEC. CONT.	
(X)	SEE PLAN	LITHONIA LIGHTING LQM-S-3-R-MVOLT	LED	-	EXIT LIGHT	ELEC. CONT.	ELEC. CONT.	
(EM)	SEE PLAN	LITHONIA LIGHTING ELM4L	640 LUMENS	6.6 WATTS	EMERGENCY LIGHT	ELEC. CONT.	ELEC. CONT.	

LIGHTING FIXTURE SUPPORTED REQUIREMENTS : (FOR MOUNTING REFER TO ARCHITECTURAL DRAWINGS)

A. ATTACH LIGHT FIXTURES TO CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.

B. FLUSH OR RECESSED LIGHT FIXTURES WEIGHING LESS THAN 56 LBS. SHALL BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MAXIMUM OF (2) 12GA SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 2FT X 2FT LIGHT FIXTURES MUST HAVE SLACK WIRES AT EACH CORNER.

C. ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING 56LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4TAUT 12GA WIRES EACH ATTACHED TO THE FIXTURE AND TYPE OF CEILING GRID SYSTEM USED. THE 4TAUT 12GA WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT. SEE DETAIL DRAWINGS.

D. SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A 12GA WIRE, SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER. SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE FIXTURE. SPECIAL DETAILS ARE NECESSARY FOR THIS CONDITION AT THE CEILING GRID.

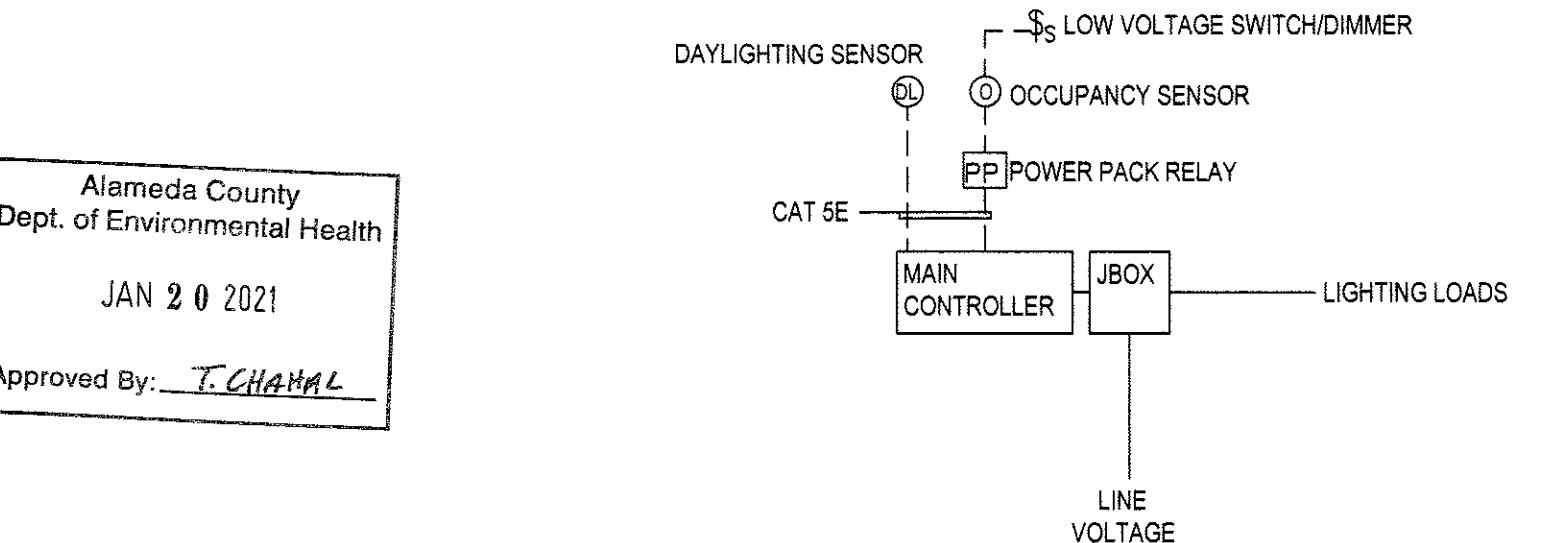
1. ALL LED LAMPS SHALL HAVE 3500 COLOR TEMPERATURE WITH MINIMUM OF CRI OF 80 OR GREATER.

LIGHTING CONTROL SYSTEM

- PROVIDE 0-10V DIMMING SPACE CONTROLLER WITH RELAYS AS REQUIRED FOR ALL AREAS.
- PROVIDE CEILING MOUNTED OCCUPANCY SENSORS FOR CODE REQUIRED AUTOMATIC SHUT-OFF OF ALL LIGHTING.
- PROVIDE WALL DIMMERS FOR CONTROL OF ALL LIGHTS IN ALL ENCLOSED SPACES. PROVIDE COMPATIBLE DIMMABLE BALLASTS/DRIVERS FOR ALL FIXTURES AS REQUIRED.
- FOR PERIMETER AREAS ADJACENT TO WINDOWS PROVIDE CEILING MOUNTED DAYLIGHT SENSOR AND CONNECT TO AREA CONTROLLER FOR AUTOMATIC DAYLIGHT DIMMING OF PRIMARY DAYLIGHT ZONE FIXTURES AS REQUIRED BY CODE. PROVIDE WALL DIMMER FOR MANUAL CONTROL OF DAYLIGHT ZONE FIXTURES.
- FOR EVERY ROOM CONTROLLER, PROVIDE ONE NETWORK BRIDGE AND ALL ASSOCIATED INTERCONNECTION WIRING. PROVIDE ONE SEGMENT MANAGER AND CONNECT TO NETWORK BRIDGES FOR LOAD SHEDDING CAPABILITY FROM OUTSIDE SIGNAL (BUILDING MANAGEMENT SYSTEM).
- PROVIDE ALL LOW VOLTAGE CAT5E AND SEGMENT NETWORK INTERCONNECTION WIRING BETWEEN ALL CONTROLLERS, SENSORS, WALL SWITCHES, NETWORK BRIDGES, AND SEGMENT MANAGER FOR COMPLETE WORKING SYSTEM PER MANUFACTURER'S RECOMMENDATIONS.
- INTERCONNECT ALL ROOM CONTROLLER NETWORK BRIDGES TO SEGMENT MANAGER. CONNECT SEGMENT MANAGER TO BUILDING NETWORK/BMS FOR 'LOAD SHEDDING' CAPABILITY. WALL MOUNT SEGMENT MANAGER IN TELECOM OR ELECTRICAL ROOM. FIELD COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT PRIOR TO ROUGH-IN. PROVIDE DEDICATED 20A/120V CIRCUIT RECEPTACLE POWER FOR EQUIPMENT.

GENERAL NOTES:

- SWITCH ALL NEW LIGHTS TO CORRESPOND WITH LIGHTING LAYOUT AND AS INDICATED IN THE PLAN BELOW. ALL NEW SWITCHES TO BE BUILDING STANDARD BUT MUST COMPLY WITH TITLE 24. REFER TO LIGHTING CONTROL SYSTEM AND COMMISSION & TESTING NOTES.
- PROVIDE DIMMER FOR MANUAL CONTROL OF DAYLIGHT ZONE FIXTURES. REFER TO LIGHTING CONTROL SYSTEM NOTES.
- ALL EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED WITH AN INTENSITY OF NOT LESS THAN 5 FOOTCANDLES.
- MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE AT WALKING SURFACE LEVEL. PROVIDE INTEGRAL EMERGENCY BACK-UP BALLAST IN LIGHT FIXTURES TO PROVIDE POWER FOR DURATION OF NOT LESS THAN 90 MINUTES; EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT CANDLE AND A MINIMUM AT ANY POINT OF 0.1 FOOT CANDLE.

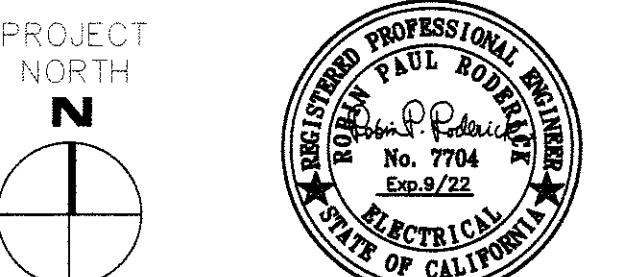


DETAIL NOTES

A. BASED ON ACUTY LIGHT SYSTEM. MAY SUBMIT EQUAL FOR REVIEW AND POSSIBLE ACCEPTANCE.

1 TYPICAL CONTROL DIAGRAM

NOT TO SCALE



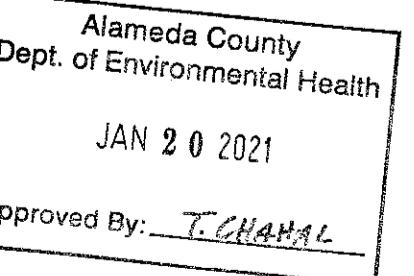
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ELECT. LIGHTING SCHEDULES
AND CONTROL DIAGRAM

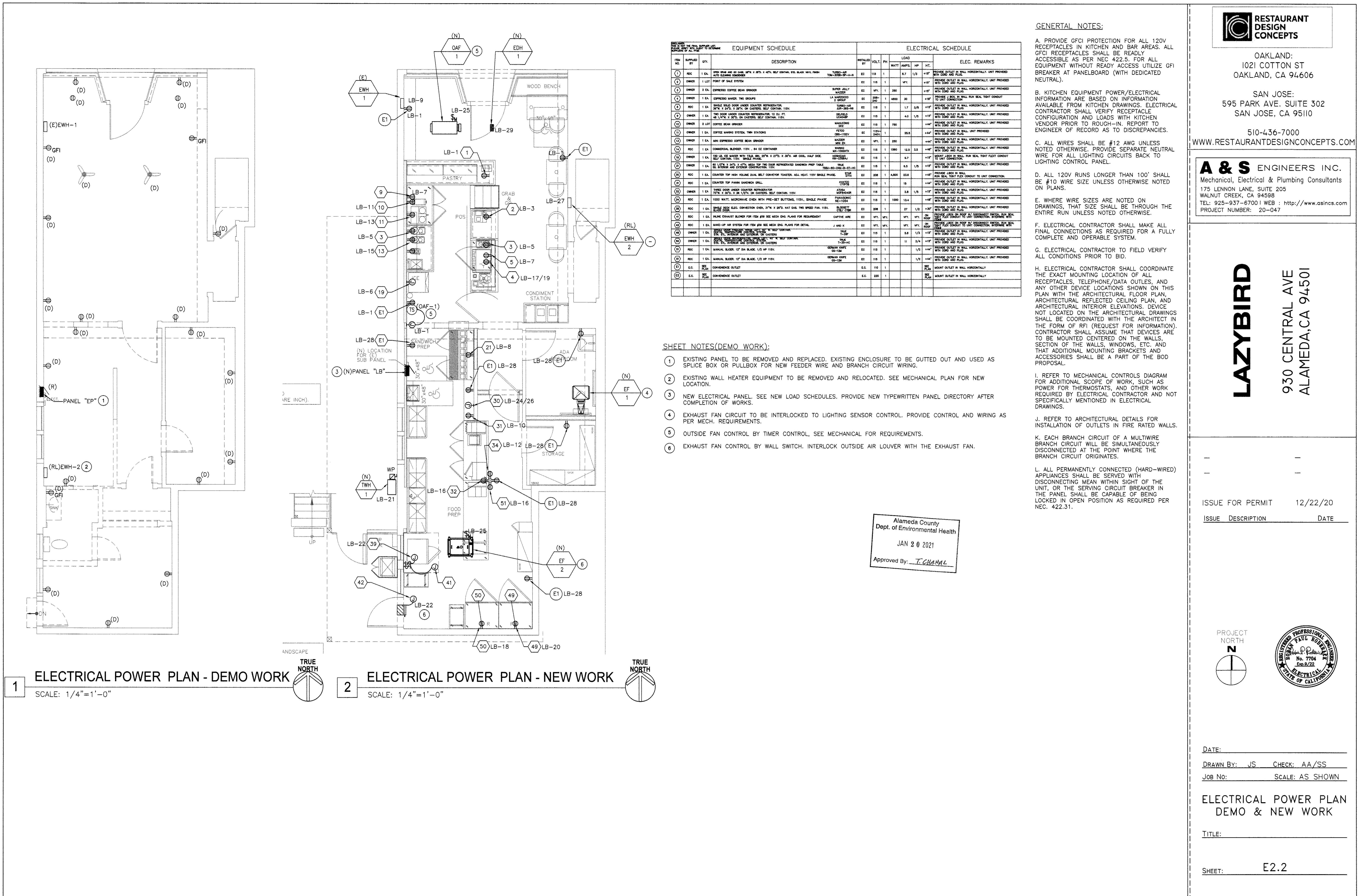
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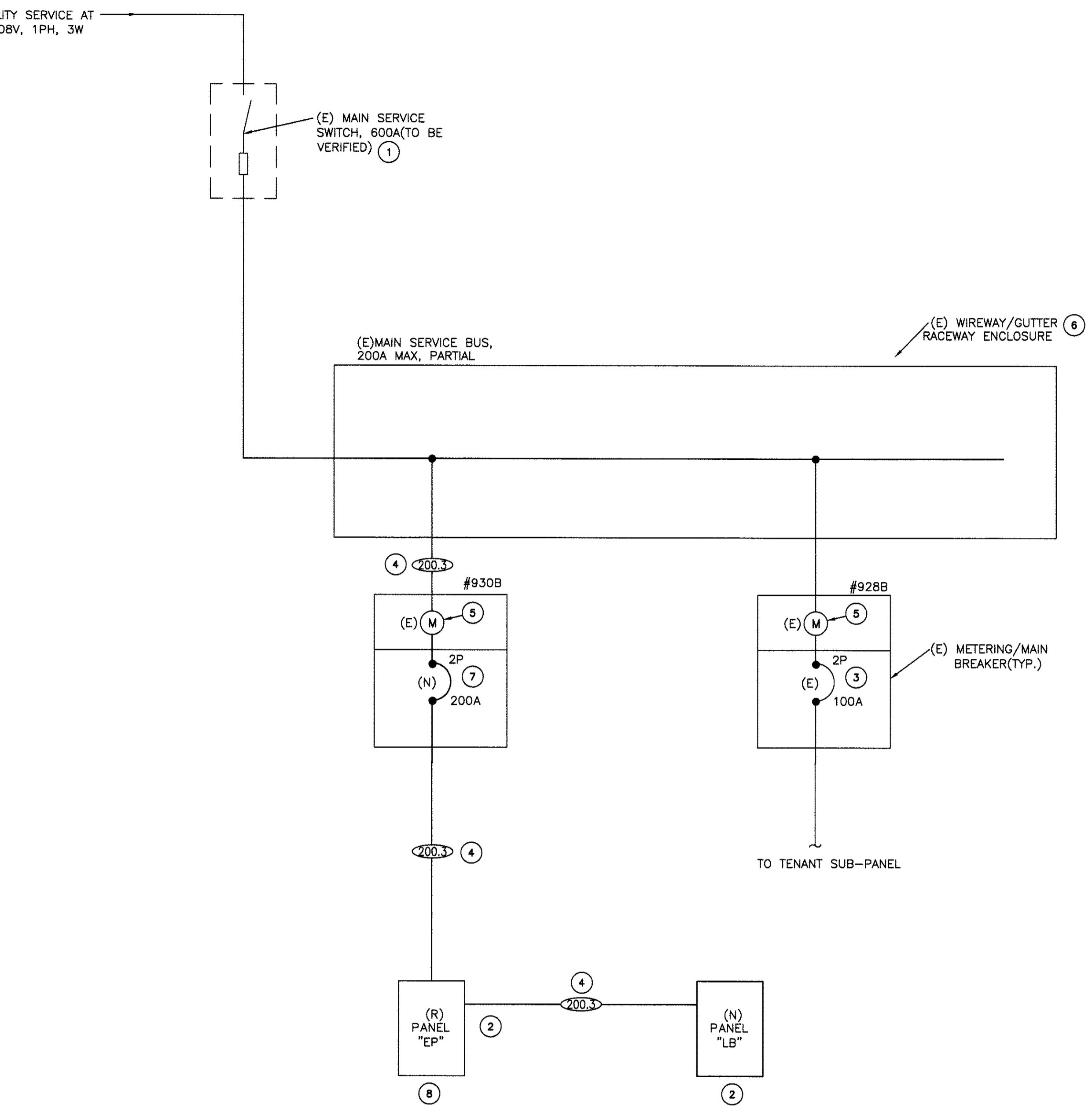
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PART 1 - GENERAL 1.01 SCOPE OF WORK: Furnish and install all materials and equipment and provide all labor, tools, transportation, superintendence and services required and necessary to complete the work shown on the drawings and/or specified herein. Also are included all other work and miscellaneous items, not specifically mentioned, but reasonably inferred for a complete installation including all accessories and appurtenances required for testing the system. It is the intent of the drawings and specifications that all systems be complete, and ready for operation.		1.15 GUARANTEE: Guarantee the installation free from defects of workmanship and materials for a period of one year after Date of Certification of final payment and promptly remedy any defects developing during this period, without charge.		
1.02 REGULATORY REQUIREMENTS: Code compliance is mandatory. Nothing in these Drawings and Specifications permits work not conforming to these codes. Where work is shown to exceed minimum code requirements, comply with drawings and specifications. All work and materials shall comply with the latest rules, codes and regulations, including, but not limited to the following:		1.16 TEMPORARY SERVICES: Provide adequate and safe temporary electrical power and lighting throughout the construction and finishing of the premises. In addition to special or unusual requirements, provide at least these items:		
1. Occupational Safety and Health Act Standards (OSHA). 2. NFPA #70: National Electric Code (NEC). 3. NFPA #10: Life Safety Code. 4. CEC: California Electrical Code 2013 5. CBC: California Building Code 2013 6. CFC: California Fire Code 2013 7. State Fire Marshal. 8. Local Utilities Companies. 9. Landlord requirements.		1. Three 20-amp circuits for construction power tools. Provide GFI temporary circuits with derampers to meet OSHA requirements. 2. Three or more light strings suspended approximately one foot below the height of finish ceiling with lamps spaced not more than twelve feet on centers. Strings shall be run the length of the store space parallel to the demising walls, with one string within eight feet of each wall and one (or more) intermediate strings to arranged to limit the spacing between rows to sixteen feet or less. 3. Flood lighting and task lighting for painting and other finish work. When permanent electrical service is operable, disconnect and remove from the premises the materials and equipment used for temporary power and lighting, and restore modifications and repair damage caused by the installation, use or removal of temporary service provisions.		
1.03 LICENSE, FEES AND PERMITS: Electrical contractor shall pay for all licenses, permits and inspection fees required by the authority having jurisdiction and shall arrange for all required inspections.		1.17 OWNER-FURNISHED ITEMS: Contractor shall install, connect and complete the following items furnished by the Owner and shall provide wires, cables, connectors, pigtales, cords and cord-caps, boxes, conduits, plates, supports, and operating tests to make components and systems operate satisfactorily. Provide systems drawing from the manufacturer through the owner in order to install complete operable system.		
1.04 SAFETY AND INDEMNITY: The Contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of work. This requirement will apply continuously and not be limited to normal working hours. No act, service, drawing review or construction review by the Owner, the Engineers or their Consultants, is intended to include review of the adequacy of the Contractor's safety measures, in, on, or near the construction site.		1.18 PART 2 - PRODUCTS		
2.01 MATERIAL APPROVAL: All materials must be new and bear Underwriter's Laboratories label. Materials that are not covered by UL testing standards shall be tested and approved by an independent testing laboratory or a governmental agency. Material not in accordance with these specifications may be rejected either before or after installation.		2.02 CONDUITS AND OTHER RACEWAYS: <ul style="list-style-type: none"> A. Rigid Steel: Hot-dipped galvanized. B. Intermediate Metal Conduit (IMC): Hot-dipped galvanized. C. Electrical Metallic Tubing (EMT): Electro-galvanized. D. Wireway: Code gauge steel, with knockouts and hinged cover, corrosion resistant gray baked enamel finish. E. Provide fittings and accessories approved for the purpose equal in all respects to the conduit or raceway. EMT connectors and couplings shall be steel setscrew type indoors and steel compression type in wet locations and outdoors. 		
2.03 WIRES AND CABLES: <ul style="list-style-type: none"> A. For power and lighting system 600V or less: <ul style="list-style-type: none"> 1. Conductor: minimum size #12 AWG. a. #10 and #10 AWG solid copper. b. #8 AWG and larger shall be stranded copper. 2. Insulation type: <ul style="list-style-type: none"> a. #12 to #1 AWG: THHN for wet or underground and THHN for dry locations. b. #1/0 through #4/0 AWG: XHHW (55 mils). c. #250 MCM and larger: XHHW (65 mils). d. Grounding wire: TW. B. For signal and communications circuit: <ul style="list-style-type: none"> 1. Special cables shall be as specified on drawings. 2. Conductors for general use shall be stranded copper conductor, #16 AWG minimum, with THHN insulation for underground or wet locations and THHN insulation for dry locations. C. Acceptable Products: General Electric, Anaconda, Okonite, Paronite or Triangle products conforming or exceeding applicable IPCEA standards. 		2.04 OUTLET BOXES, JUNCTION AND PULL BOXES: <ul style="list-style-type: none"> A. Outlet boxes: 4" square x 1-1/2" deep (or larger) galvanized sheet steel KO-type with plaster ring and cover for general interior use and cast metal type FS or FD with matching screw covers for exterior and exposed interior locations (gasketed in damp or wet locations). B. Junction boxes shall be same as outlet boxes up to 42 cu. in. and code-grade steel, larger sizes with surface or flush-type screw-mounted trim covers. Knock boxes and covers inhibitor-primer and painted inside out. C. Pull boxes shall be same as junction boxes unless indicated otherwise on the drawings, with covers. D. Telephone outlet boxes shall be the type and size required by the serving telephone company but not smaller than 4-11/16" square x 2-1/8" deep with single-gang ring and Sierra #S-754N split plate bushing. 		
2.05 WIRING DEVICES AND PLATES: Wiring devices and plates shall be by Pass and Seymour or approved equal.		2.06 CONDUIT HANGERS: For individual conduit runs not directly fastened to the structure, use rod hangers manufactured by Caddy, Unistrut or Powerstrut. For multiple conduit runs, use Unistrut or Powerstrut trapeze type conduit support designed for maximum deflection not greater than 1/8".		
2.07 WIRE CONNECTORS: For wire sizes #8 AWG and smaller: Insulated pressure type (with live spring) rated 105 degrees C, 600V, for building wiring and 1000V in signs or fixtures. Scotchlok or Ideal. For wire size #6 AWG and larger: T & B or equivalent compression type with 3M #33+ or Plymouth 'Slipknot' Grey tape insulation.		2.08 INDIVIDUALLY MOUNTED MOTOR CONTROLLERS: <ul style="list-style-type: none"> A. For Polyphase Motors: Combination motor circuit protector and magnetic starter, with 3-leg overload protection. Provide two interlock contacts of the interchangeable open-close type. Provide hand-off-automatic selector switch, motor running pilot light and reset button in cover. Circuits 300V and over shall be provided with 120V contact transformers. B. Starters for fractional horsepower 120V motors shall be manual type unless shown otherwise, equipped with built-in overload protection. C. Acceptable manufacturers: General Electric, Siemens, Square D, Westinghouse, and Allen Bradley. 		
2.09 LIGHTING: <ul style="list-style-type: none"> A. Furnish and install all fixtures complete, including lamps and ballast ready for service. B. Supports: Proper supports and mounting accessories, such as hangers, stems, yokes, plaster frames, etc. shall be provided as required by the type of ceiling installed. Where swell canopies or ball aligners are specified, they shall cause fixture to hang plumb regardless of ceiling slope. C. Fixture Designation: Fixture types are designated on drawings. Where only one fixture designation is shown, it applies to all fixtures in that room or area. For exact fixture count and location refer to reflected ceiling plan. D. Wire 1-lamp and 3-lamp fluorescent fixtures in tandem where required by code. E. Ballasts: Advance, GE, or Approved high frequency electronic, full light output, energy saving, Class "P", high power factor, ETL certified, sound rating "A" or as indicated on drawings. 		2.10 PANELBOARDS: <ul style="list-style-type: none"> A. Construction: Cabinets shall be of code gauge, galvanized steel, surface or flush mounted as indicated. Doors shall be of cold-rolled steel with concealed hinges and flush catch and lock. All panels shall be keyed alike. Panels located adjacent to each other shall have identically sized enclosure and trim. Minimum panel width shall be 20". Finish exposed part with one coat of primer and one coat of light grey enamel suitable for overpainting in field if desired. B. Bus Bars: Provide ground block with full complement of terminals in addition to insulated neutral bus. Future breaker spaces shall have complete provision including busses and connecting hardware. C. Manufacturers: Panelboards shall be General Electric Type "AQ" or type "AE" or equivalent products of Westinghouse, Square-D or Siemens-ITE. D. Circuit Breakers: Shall be quick-make, quick-break, molded case type: <ul style="list-style-type: none"> 1. 120/240 Volt Panels: Shall be General Electric Type "Q" line, bolt-on type, with minimum symmetrical interrupting capacity as shown. 2. Provide multi-pole units with common trip element. 3. Circuit breakers used on "ON-OFF" control of fluorescent lighting (panelboard switching) shall be Underwriters Laboratories listed and marked "SMD" to indicate their suitability. E. Identification: Provide screwed-on (no adhesives) bakelite or photo-etched metallic nameplate identification consisting of each panel showing panel designation, voltage and phase in minimum 1/8" high letters. Each panel shall contain a metal-framed circuit directory inside cover, with plastic protector. F. Complete shop drawings are required. See Article 1.08. 		
3.01 GENERAL: <ul style="list-style-type: none"> A. Electric system layouts indicated on the drawings are generally diagrammatic and shall be followed as closely as actual construction and work of other trades will permit. Govern exact routing of cable and wiring and the locations of outlets by the structure and equipment served. Take all dimensions from architectural drawings. B. Consult all other drawings, verify scales and report any dimensional discrepancies or other conflicts with Owner before submitting bid. C. All home runs to panelboards are indicated as starting from the outlet nearest the panel and continuing in the general direction of that panel. Continue such circuits to the panel as though the routes were completely indicated. Terminate fixtures in signal and control systems in a similar manner. D. Avoid cutting or boring holes through structural or structural members wherever possible. Obtain prior approval of Owner and conform to all structural requirements when cutting or boring the structure is necessary and permitted. E. Furnish and install all necessary hardware, hangers, blocking, brackets, bracing, runners, etc. required for equipment specified under this Section. F. Provide necessary backing required to insure rigid mounting of outlet boxes. 		3.02 WIRING METHODS: <ul style="list-style-type: none"> A. Install all wiring in raceway, or use MC cable where approved by all applicable codes and regulations. Conduit shall be rigid steel, IMC or EMT as follows: <ul style="list-style-type: none"> 1. Above ground: Use rigid steel, IMC or EMT. a. Wet locations: Rigid steel or IMC only. b. Locations subject to mechanical injury: Rigid steel or IMC only. c. Dry locations and not subject to mechanical injury: EMT, IMC or rigid steel conduit. 2. Underground: Use rigid steel. B. Use flexible conduits or MC cable in the following applications: <ul style="list-style-type: none"> 1. Final connections to motor. 2. Final connections into and out of the transformer. 3. Final connections to vibrating equipment. 4. Inter-connections between all light fixtures (not to include homerun from fixture or device to panelboard, which must be rigid). 5. Final connections where rigid conduit is not practical. 6. In walls (for light switches and 120V power receptacles and HVAC control equipment). C. Flexible metal conduit or MC cable must be the same size as the rigid conduit to which it is connected. D. The connection to outdoor equipment must be weatherproof, i.e. liquidtight or sealtight. E. Minimum size of conduit shall be 1/2" for individual lighting fixture connections or for individual light switches if approved by all applicable codes. Minimum size for all other locations shall be 3/4". If HVAC control wiring is required to be run in conduit, it shall be a 3/4" minimum, unless otherwise noted on drawings. All in/under floor conduits shall be 3/4" minimum size. 		
3.03 INSTALLATION OF CONDUITS: <ul style="list-style-type: none"> A. General: <ul style="list-style-type: none"> 1. Run all conduit concealed unless otherwise noted or shown. 2. Run all conduit parallel to or at right angles to center lines of columns and beams. 3. Conduits above ceilings shall not obstruct removal of ceiling tiles, lighting fixtures, air diffusers, etc. 4. Conduits shall not cross any duct shaft or area designated as future duct shaft horizontally. Conduit risers when allowed in duct shaft must be coordinated with Mechanical work to avoid any conflict. B. Conduit Supports: <ul style="list-style-type: none"> 1. Support conduits with Underwriter's Laboratories listed steel conduit supports at intervals required by the National Electric Code. Wires or sheet metal strips are not acceptable for conduit support. Use conduit hangers for all conduits not directly fastened to structure and for all multiple conduit runs. Do not attach any conduit to mechanical ducts or pipes. 2. Individual conduits 1/2" and 3/4" size for lighting may be supported from ceiling support wires with Caddy clips only if acceptable to local code. Only one conduit is permitted to be attached to any ceiling support wire. Hang such conduit so as not to affect level of ceiling. 3. Avoid attaching conduit to fan plenums. When it is necessary to support conduit from fan plenum, provide a length of flexible conduit between portion attached fan plenum and portion attached to the building to minimize transmission of vibration to the building structure. 		3.04 CONNECTIONS TO EQUIPMENT: <ul style="list-style-type: none"> A. General: <ul style="list-style-type: none"> 1. Furnish and install required power supply conduit and wiring to all equipment. See below for other wiring required. 2. Furnish and install a disconnect switch immediately ahead of and adjacent to each magnetic motor starter or appliance unless the motor appliance is located adjacent and within sight of the serving panelboard, circuit breaker or switch. Verify all equipment nameplate current ratings prior to installation. 3. Install all rough-in work for equipment from approved shop drawings to suit the specific requirements of the equipment. 4. Furnish and install manual thermal protection for all motors not integrally equipped with thermal protection. 5. Furnish 120 Volt power to each control panel and time switch requiring a source of power to operate. 		
3.05 INSTALLATION OF WIRES: <ul style="list-style-type: none"> A. Pull no wire into any portion of the conduit system until all construction work which might damage the wire has been completed. B. Install all wire continuous from outlet to outlet or terminal to terminal. Splices in cables when required shall be made in handholes, pull boxes or junction boxes. Make branch circuit splices in outlet boxes with 8" of correctly color-coded tails left in the box. C. Splices in wires and cables shall be made utilizing materials and methods described herein before. D. Make all ground, neutral and line connections to receptacle and wiring device terminals as recommended by manufacturer. Provide ground jumper from outlet box to ground terminal of devices when the device is not approved for grounding through the mounting screws. E. Provide Brady wire markers where number of conductors in a box exceeds four. F. Megger and record insulation resistance of all 600 Volt insulated conductors size #4/0 and larger using 500 Volt megger for one minute. Make tests with circuits isolated from source and load. 		3.06 WIRE COLOR CODE: Color coding shall be continuous for wire #12 through #10 AWG. Phase conductors #8 and larger and conductors of any size in cable assemblies may have colored phasing tape at terminations. Color code wires as follows:		
		Voltage Phase A Phase B Phase C Neutral Ground 120/208V Black Red Blue White Green		
3.07 IDENTIFICATION: <ul style="list-style-type: none"> A. Provide nameplates for switchgears, panelboards, and all similar devices. Nameplates shall be screwed (no adhesives) engraved bakelite or photo-etched metallic nameplate identification showing panel designation, voltage and phase in minimum 1/4" high letters. B. Provide dyno labels on all lighting switches and convenience and special purpose receptacles to show panel and circuit number to which the device is connected. C. Each panelboard shall contain a metal-framed circuit directory inside cover, with plastic protector. D. Panelboard Schedule: After completion of work, provide typewritten updated panelboard schedules for all panelboards. 				
3.08 REMODELING WORK: <ul style="list-style-type: none"> A. Existing electrical wiring which will not be made obsolete and which will be restored due to construction changes required by this contract shall be restored to operating condition. Where construction changes require, outlets and conduit runs shall be relocated. Extend conduits and pull in new wiring or install junction boxes and splices in new wiring. B. Outlets for which fixtures, switches, receptacles, and/or other electrical devices are moved and which are not replaced or reused shall be removed, where outlets boxes, etc., are completely removed, the contractor shall cut off conduits and remove wiring. C. Where conduits extending through floors are to be abandoned, the contractor shall cut and cap or plug conduit, and the conduit shall not protrude above the floor. D. Where existing conduit is to be abandoned, the conduit shall be removed if it is encroaching on crawl space or an accessible ceiling. Where it is impossible to remove the conduit, it shall be cut off and capped or plugged. E. Remove all existing wiring not reused or required to maintain continuity to circuits to remain. F. The contractor shall be held fully responsible for the proper restoration of all existing surfaces requiring patching, plastering, painting and/or other repairs due to the installation of electrical work under the terms of this specification. Close all openings, repair all surfaces, etc., as required. G. Maintain circuit continuity to areas outside of this work. Provide new conduit and conductors as required to maintain continuity and maintain area as existing. 				
3.09 COORDINATING WORK: <ul style="list-style-type: none"> A. Coordinate work with other trades to avoid conflict and to provide correct rough-in and connection for equipment furnished under other trades that require electrical connections. Inform Contractors of other trades of the required access to and clearances around electrical equipment to maintain service ability and code compliance. B. Verify equipment dimensions and requirements with provisions specified under this Section. Check actual job conditions before fabricating work. Report necessary changes in time to prevent needless work. Changes or additions, subject to additional compensation, which are made without written authorization and an agreed price, shall be at the Contractor's risk and expense. C. CUTTING AND PATCHING: All cutting and patching required for work of this Division is included herein. Coordination with General Contractor and other trades is imperative. Contractor shall bear the responsibility for and the added expense of adjusting for improper holes, supports, etc. D. ACCEPTANCE DEMONSTRATION: Upon completion of the work, at a time to be designated by the Owner, the Contractor shall demonstrate for the Owner the operation of the electrical installation, including any and all special items installed by him or installed under his supervision. Properly set automatic time switches to perform switching operations in accordance with schedules provided by the Owner's representative, and demonstrate (using the manufacturer's operating instructions) how to override and/or test time switches programming. E. RECORD DRAWINGS, EQUIPMENT DATA: Maintain one set of clear working drawings at the job site and enter daily such "as-built" information as feeder and service routes, pull box locations and changes in layout or arrangement which occur during construction. Deliver completed drawings to the Owner. F. Deliver to the Owner's representative three copies of data sheets or other current manufacturers' publications for each item of electrical equipment furnished for the project including at least these data: <ul style="list-style-type: none"> 1. Technical description and replaceable parts list. 2. Physical description and installation instructions. 3. User's manual and operating instructions. 4. Manufacturer's Warranty. G. CLEAN-UP: Rid the premises of scrap materials, trash and debris both during construction and at completion of the project. Leave the building and surrounding area in a clean and orderly condition. 		3.10 GROUNDING: <ul style="list-style-type: none"> A. Electrical service and separately derived alternating current system shall be grounded in accordance with NEC Article 250-3 to 250-26, inclusive. B. Ground non-current carrying metal parts of electrical equipment enclosures, frames, conductor raceways or cable trays to provide a low impedance path for line-to-ground fault current and to band all non-current carrying metal parts together. Provide ground conductor in each raceway system in addition to conductors shown. Equipment ground conductor shall be electrically and mechanically continuous from the electrical circuit source to the equipment to be grounded. Size ground conductors per NEC Article 250-95 unless larger conductors are shown on drawings. C. Grounding conductors shall be identified with green insulation. Where green insulation is not available on larger sizes, black insulation shall be used and suitable identified with green tape at each junction box or device enclosure. 		
		END OF SECTION		
				
		DRAWN BY: JS CHECK: AA/SS Job No: SCALE: AS SHOWN		
		DATE: T-CHAHAL		
		ELECTRICAL SPECIFICATIONS		
		T-CHAHAL		
		SHEET: EO.3		





LAZYBIRD

 930 CENTRAL AVE
 ALAMEDA, CA 94501

1 PARTIAL SINGLE LINE DIAGRAM

SCALE: NTS

GENERAL NOTES:

- ALL ELECT. EQUIPMENT AND WIRING ARE EXISTING UNLESS OTHERWISE INDICATED AS NEW (N).
- VERIFYING EXISTING MAIN DISTRIBUTION PANELS TO BE SUITABLE REGARDING CONDITION AND DESIGN FOR ADDITIONAL NEW CONNECTED LOADS TO BE ADDED TO THE EXISTING POWER DISTRIBUTION SYSTEM INCLUDING PANEL BOARDS, BREAKERS SET POINTS, EQUIPMENT BONDING, GROUNDING ELECTRODE CONDUCTORS, NEUTRAL, EQUIPMENT GROUNDING CONDUCTORS PROTECTION, SAFETY, AND/OR EQUIPMENT MAINTENANCE ACCESS.
- ONLY NEW AND UL LISTED EQUIPMENT SHALL BE USED.
- ONLY UL LISTED EQUIPMENT SHALL BE USED.
- RATING OF OVER CURRENT PROTECTION DEVICES, SWITCHES AND MAGNETIC STARTERS TO BE VERIFIED WITH NAMEPLATE RATING OF ASSOCIATED UNIT AND TO BE REVISED AS REQUIRED.
- ALL CONDUCTORS SHALL BE COPPER TYPE THHN/THWN, UNLESS OTHERWISE NOTED.

KEY NOTES:

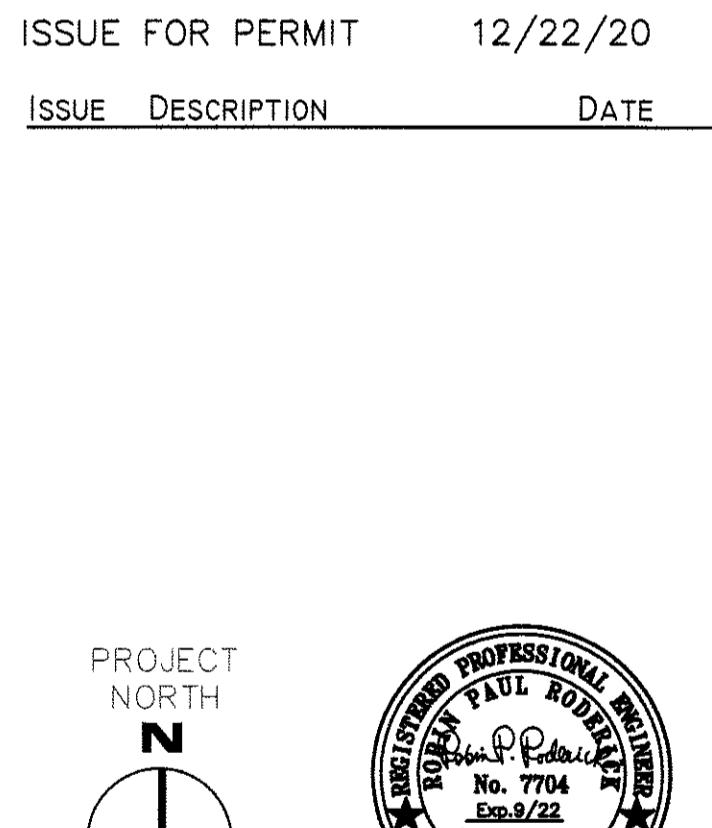
- EXISTING MAIN SERVICE SWITCH RATING AS SHOWN. NO WORK REQUIRED.
- NEW ELECTRICAL PANEL. PROVIDE TYPE WRITTEN SCHEDULE UPON COMPLETION OF THIS PROJECT. SEE PANEL SCHEDULE BELOW.
- EXISTING CIRCUIT BREAKER TO REMAIN. RATING AS SHOWN. NO WORK REQUIRED.
- NEW FEEDER, CONDUITS AND WIRING. RATING AS SHOWN.
- (E) UTILITY METERING, SHOWN FOR REFERENCE ONLY. NO WORK REQUIRED.
- (E) MAIN WIREWAY. NO WORK REQUIRED.

DESIGNATION: LB		LOCATION:	
SUPPLY VOLTAGE:		120/208 V	
SUPPLY ORIGIN:		Meter Section	
LOCATION OF ORIGIN: Exterior			
FEEDER SIZE (AMPS): 200			
TRANSFORMER SIZE K: None			

MAIN PANEL BUS (AMPS): 225	
MAIN PANEL BREAKER (AMPS 200	
PANEL VOLTAGE: 120/208V	
PANEL LOCATION: Interior	
REVISION DATE: None	
REVISION CAUSE: None	

ON/OFF	SPECIAL NOTES	DESCRIPTION		CONN (KVA)	BREAKER	CIRCUIT NUMBER	TRIP POLE	CONN (KVA)	DESCRIPTION		SPECIAL NOTES	ON/OFF
		RECEP-ITEM E1	A B						RECEP-ITEM E1	A B		
		EQUIP-ITEM 2	0.50	20	1	1	2	1	1.10		LIGHTS	
		EQUIP-ITEM 3	0.75	20	1	3	4	20	1	1.00		
		EQUIP-ITEM 5 & 9	0.80	20	1	5	6	20	1	1.20	EQUIP-ITEM 19	
		EQUIP-ITEM 10 & 13	0.70	20	1	7	8	20	1	0.80	EQUIP-ITEM 21	
		(E) EWH-1	1.50	20	1	9	10	20	1	1.50	EQUIP-ITEM 31	
		EQUIP-ITEM 11	1.10	20	1	11	12	20	1	1.60	EQUIP-ITEM 34	
		EQUIP-ITEM 14	3.10	30	1	13	14	20	1	1.00	EQUIP-ITEM 32 & 51	
		EQUIP-ITEM 4	1.60	20	1	15	16	20	1	1.00	EQUIP-ITEM 50	
		-	2.30	40	2	17	18	20	1	1.50	EQUIP-ITEM 49	
		GRU-1	2.30	-	-	19	20	20	1	1.20		
		GRU-1	2.00	20	1	21	22	20	1	1.10	EQUIP-ITEM 39 & 42	
		EF-2 & OAF-1	0.8	20	1	25	26	-	2.40		EQUIP-ITEM 30	
		EWH-2	1.5	20	1	27	28	20	1	0.60	RECEP-ITEM E1	
		SPARE	2.00	20	1	29	30	35	2	2.80	EQUIP-ITEM 38	
		EDH-1	1.5	20	1	31	32	20	1	2.80	-	
		SPARE	2.00	20	1	33	34	-	-	SPARE		
		SPARE	2.00	20	1	35	36	-	-	SPARE		
PHASE "A": CONNECTED LOAD (KVA)		20.6	MEASURED LOAD (AMPS):		DEMAND LOAD (KVA)		33.0					
PHASE "B": CONNECTED LOAD (KVA)		21	MEASURED LOAD (AMPS):		AMPS @ 120/208V, 1 PHASE, 3W		159.0					
TOTAL: CONNECTED LOAD (KVA)		41.5	DATE LAST MEASURED:									

Note: 1. PROVIDE INSULATED/ISOLATED GROUND BUS



DATE: _____

DRAWN BY: JS CHECK: AA/SS

JOB NO: _____ SCALE: AS SHOWN

 ELECTRICAL SINGLE LINE
 DIAGRAM & PANEL
 SCHEDULES

TITLE: _____

SHEET: E3.1



RESTAURANT
DESIGN
CONCEPTS

OAKLAND:
1021 COTTON ST
OAKLAND, CA 94606

SAN JOSE:
595 PARK AVE. SUITE 302
SAN JOSE, CA 95110

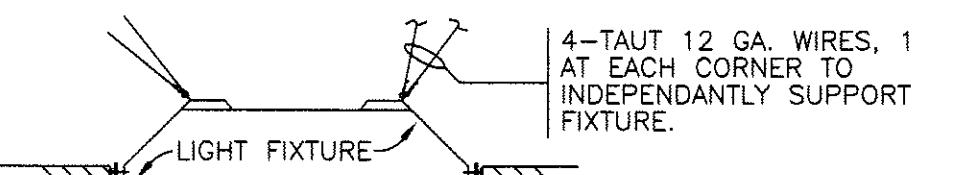
510-436-7000

WWW.RESTAURANTDESIGNCONCEPTS.COM

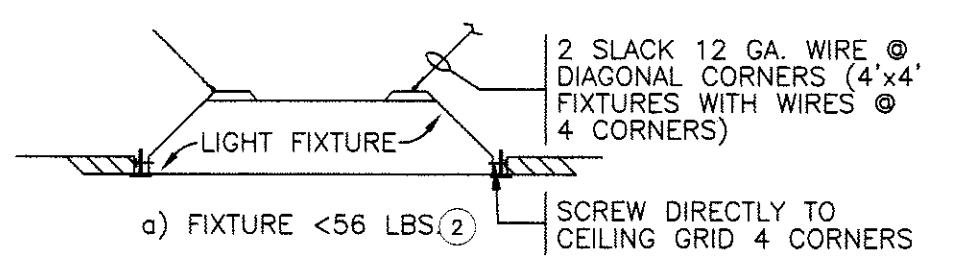
A & S ENGINEERS INC.
Mechanical, Electrical & Plumbing Consultants
175 LENNON LANE, SUITE 205
WALNUT CREEK, CA 94598
TEL: 925-937-6700 | WEB: <http://www.asincs.com>
PROJECT NUMBER: 20-047

LAZBIRD

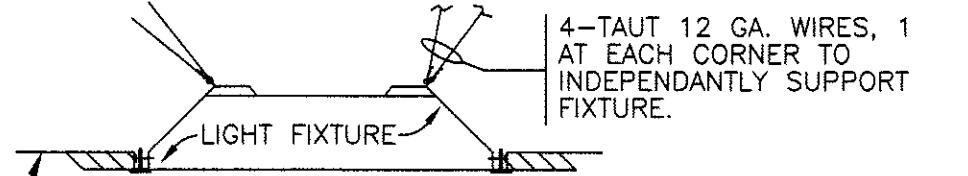
930 CENTRAL AVE
ALAMEDA, CA 94501



2. INTERMEDIATE DUTY GRID LAY-IN CEILINGS(ALL FIX.)

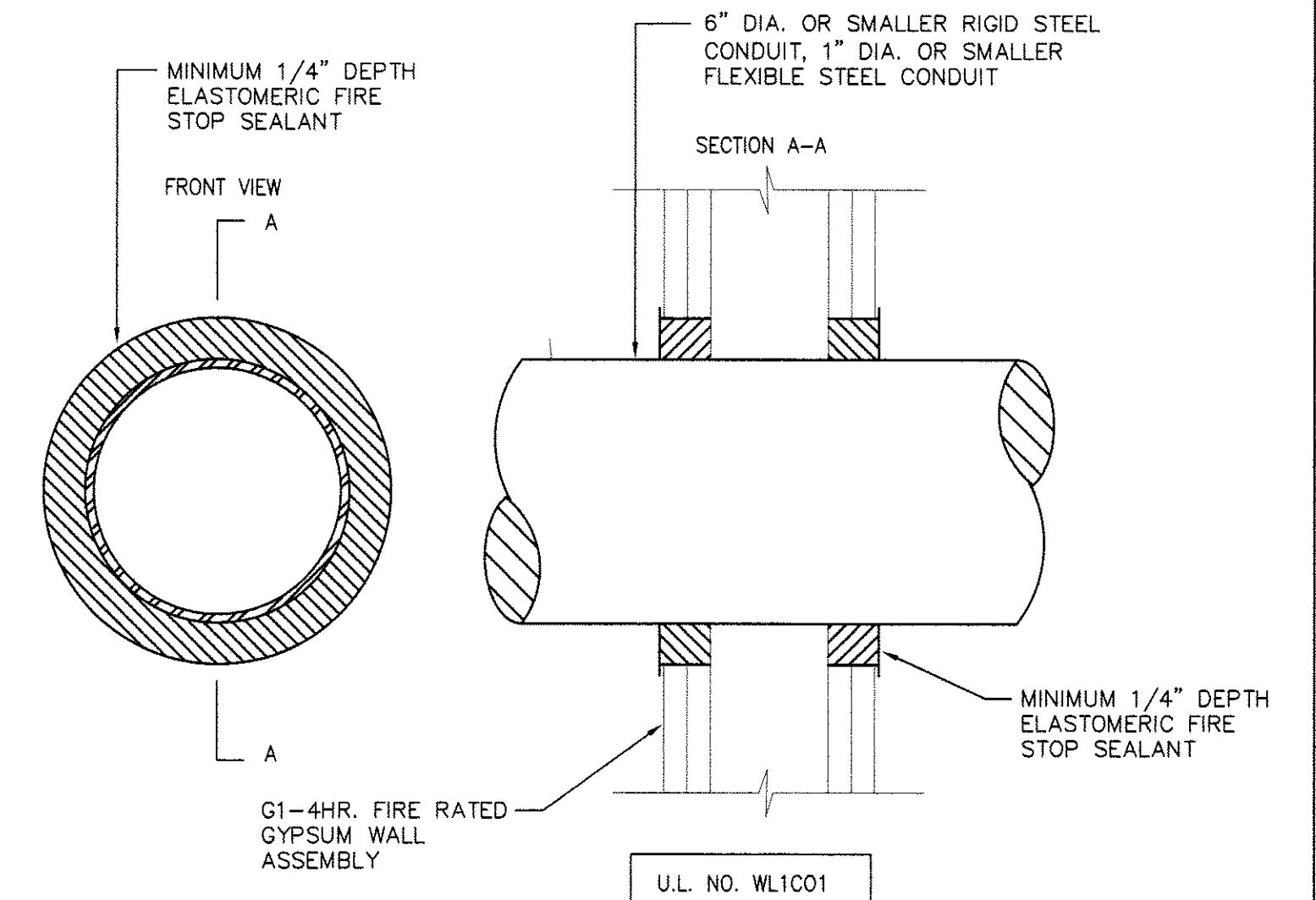


a) FIXTURE <56 LBS. (2) SCREW DIRECTLY TO CEILING GRID 4 CORNERS



b) FIXTURE 56 LBS. OR MORE
CEILING TILE
4-TAUT 12 GA. WIRES, 1 AT EACH CORNER TO INDEPENDANTLY SUPPORT FIXTURE.

1. HEAVY DUTY GRID LAY-IN CEILINGS.



ANNULAR SPACE REQUIREMENTS

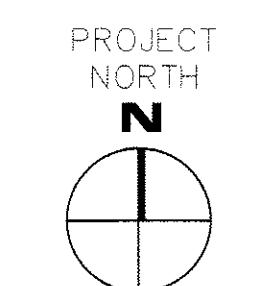
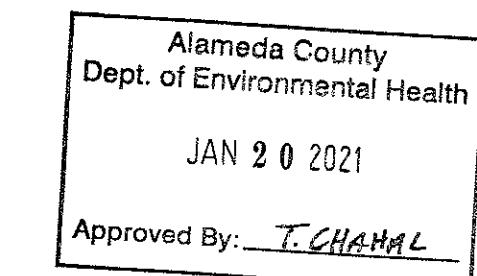
MAXIMUM PIPE OR CONDUIT DIAMETER	ANNULAR SPACE
1 in.	0-3/16 in.
4 in.	0-1/4 in.
6 in.	1/4-1/2 in.

1. INSTALL THE FIRE STOP SYMMETRICALLY ON BOTH SIDE OF THE WALL.

2. CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE WITH A MINIMUM 1/4" DIAMETER BEAD OF CAULK APPLIED TO THE PERIMETER OF THE CONDUIT AT ITS EGRESS FROM THE WALL.

2 LAY-IN CEILING FIXTURE MOUNTING DETAIL
NTS

1 CONDUIT PENETRATION THRU FIRE/SMOKE WALL
NTS



DATE: _____
DRAWN BY: JS CHECK: AA/SS
JOB NO: SCALE: AS SHOWN

ELECTRICAL DETAILS

TITLE: _____
SHEET: _____
E4.1