

SITE PLAN NOTES

1- THE P.O.T IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS PER CBC 11-B-202.4.ALL UNCERTIFIED (E) P.O.T. IN THE PROJECT SCOPE SHALL NOT EXCEED 5% MAXIMUM, RUNNING SLOPE AND 2% MAXIMUM CROSS SLOPE UNLESS OTHERWISE NOTED.

SLOPE SHALL NOT EXCEED 2% IN ALL DIRECTIONS WHERE P.O.T. TRAFFIC FLOW IS MULTIDIRECTIONAL, AT CHANGE OF DIRECTIONS. OR IN ANY ACCESSIBLE SPACE OR AREA WITH SLOPES TO DRAINS OR CATCH BASINS, ETC. CONTRACTOR IS TO VERIFY P.O.T. SHOWN IS IN

2- MAXIMUM SLOPE ON NON-RAMPED CONCRETE IS 5% IN THE DIRECTION OF TRAVELAND 2% CROSS-SLOPE

3- DURING CONSTRUCTION, ALL NEW WORK IN THIS PROJECT'S SCOPE SHALL NOT REPRESENT ANY NONCONFORMING CODE COMPLIANT AT ANY TIME, SUCH AS BUT NOT LIMITED TO: MAINTAINING BLOCKING BARRIER FREE ACCESS ROUTES, MAINTAIN ACCESS ROUTES EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE

4- SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. OR ANY OTHER ITEMS ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES. THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT UTILIZING A CONSTRUCTION CHANGE DOCUMENT.

PATH OF TRAVEL TO FRONT ENTRY HAS SMOOTH AND UNINTERRUPTED SURFACE WITH THE MAX. SLOPE 1:12

**DETAIL 1 - ACCESSIBLE PARKING** 

SEE SITE PLAN WITH PATH OF TRAVEL TO ENTRY

THE BORDER OF THE ACCESS AISLE SHALL BE PAINTED BLUE. SECTION 1129B.3 CBC

PATH OF

TRAVEL

# **GENERAL NOTES**

- FOR PROJECT'S SPECIFIC NOTES SEE SHEET G1.0 FOR MORE SYMBOLS & ABBREVIATIONS SEE SHEET G2.0
- LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN DEMOLITION, CUTTING & REMOVING OF ANY ITEMS TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE DESIGNER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGNER SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF
- THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF ACC & ENGINEERING, AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF ACC & ENGINEERING.

THIS WORK.

- THE WORK SHOWN ON THESE DRAWINGS AS EXISTING CONDITIONS WAS PREPARED FROM AS-BUILT DRAWINGS FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ACC & ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY WORK SHOWN AS EXISTING NOR IS ACC & ENGINEERING RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.
- CONTRACTOR SHALL POSSESS AT THE TIME OF PERMIT ISSUANCE A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
- 6. FIRE SAFETY DURING CONSTRUCTION.
- A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 5 AND
- B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3310.

- C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3312.
- BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES.
- ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33. NO ALTERNATIONS ARE PART OF THIS PROJECT'S SCOPE OF WORK
- F. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33.
- G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS IN ACCORDANCE WITH CHAPTER 33, SECTION 3304.5. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL.
- PENETRATIONS TO FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
- NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):

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

## **ENVELOPE MANDATORY MEASURES:**

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

- C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED. CASKETED. WEATHERSTRIP OR OTHERWISE SEALED.
- D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING. AND SHALL BE WEATHERSTRIP (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).

- . MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 110.6.
- . MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING PROCEDURE.

APPLICABLE CODES

2022 BUILDING STANDARDS ADMINISTRATIVE CODE. TITLE 24, OCC

2022 CALIFORNIA ELECTRICAL CODE (C.E.C.), 2001, TITLE 24, C.C.R.

2022 CALIFORNIA MECHANICAL CODE (C.M.C.), TITLE 24, C.C.R.

2022 CALIFORNIA PLUMBING CODE (C.P.C.), TITLE 24, C.C.R.

2022 CALIFORNIA ENERGY CODE (C.P.C.), TITLE 24, C.C.R.

2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24, C.C.R.

2022 CALIFORNIA FIRE CODE (C.F.C.), TITLE 24, C.C.R.

PROTECTION AGENCY, NFPA)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, C.C.R.

(2021INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL

(2021NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE

(2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL

ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

(2021INTERNATIONAL FIRE CODE OF THE IN'L CODE COUNCIL)

(2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL

(2021 INTERNATIONAL EXISTING BUILDING CODE OF THE

INTERNATIONAL CODE COUNCIL WITH AMENDMENTS)

CODE COUNCIL. WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA BUILDING CODE (C.B.C.), TITLE 24, C.C.R.

## **DESIGN & ENGINEERING**

BUILDING CODE DATA LEGEND

OCCUPANT LOAD: (SEE SHEET G1.0 AREA PLAN &

## **ACC & ENGINEERING**

APN: **459-202-21** 

**CODE ANALYSIS)** 

HIGH-RISE: NO

FIRE ALARM: **YES** 

NO. OF STORIES: 1 (ONE).

TYPE OF CONSTRUCTION: VB

SQUARE FOOTAGE GROSS: **820 FT<sup>2</sup>** 

SPRINKLER TYPE: **NOT SPRINKLER** 

OCCUPANCY: MIXED OCCUPANCY A-2 & B

PHONE: 951.903.2284 W: www.accandengineering.com

BEN HAMED, ASSOC.AIA PRINCIPAL LEAD E: BEN@ACCANDENGINEERING.COM

MOSTAFA BAYOUMI, P.E. CIVIL ENGINEER E: MOSTAFAPE@ACCANDENGINEERING.COM

**OWNER** 

**YAHYA SHANNAK** 

MAGDY REZK, P.E. MECHANICAL ENGINEER E:MAGDY@ACCANDENGINEERING.COM

**DEL MAR ROASTERS** Phone: 949-674-8215 ADDRESS: 3348 E Coast Hwy, Newport Beach, CA 92625 OWNER NAME: YAHYA SHANNAK PARCEL SIZE: 0.1 ACRES

## CONTRACTOR

HORIZONS CONSTRUCTION COMPANY INTL.

HATEM IBRAHIM

E: HATEM@horizonscci.com PHONE:714..635.0000

3348 E Coast Hwy, Newport Beach, CA 92625

# DEL MAR ROASTERS TENANT IMPROVEMENTS

## PROJECT'S SCOPE

PLAN CHECK#PC2022-2340

TENANT IMPROVEMENT COFFEE SHOP WITH TAKE OUT COFFEE.

NEW SINGLE ACCOMMODATING RESTROOMS, DINING AREA WITH FIXED AND MOVABLE SEATING AND SERVICE COUNTER AREA.

## RELATED SUBMITTALS

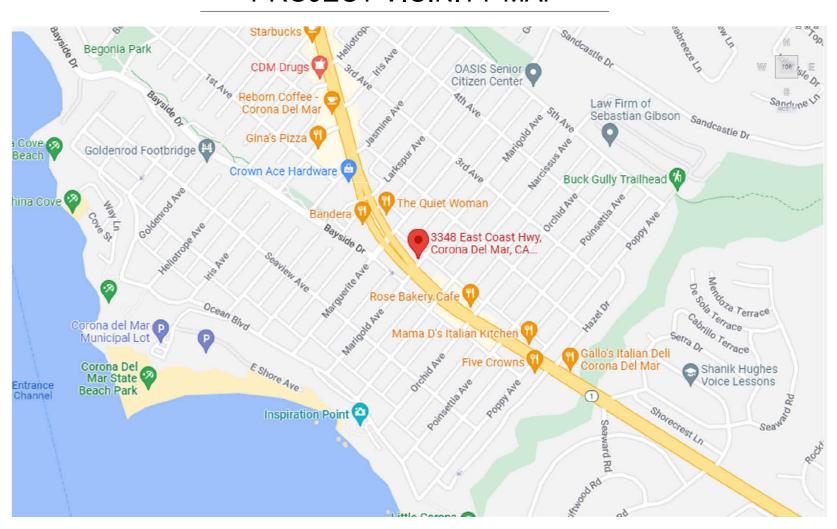
Minor Use Permit No. UP2022-009 (PA2022-086) 3348 East Coast Highway **Del Mar Roasters Minor Use Permit** 

SEE NEXT SHEET FOR MUP DETAILS.

## SHEET INDEX

ARCHITECTRUAL	SHEET NAME	SHEET NUMBER
14 SHEETS	COVER PAGE - SHEET INDEX	G00
	COVER PAGE ( CONTINUED)	G00.1
	AREA PLAN & CODE ANALYSIS	G1.0
	ACCESSIBLE NOTES - SYMBOLS & ABBREVIATIONS.	G2.0
	ADA ACCESSIBILITY DETAILS	G2.1
	ADA ACCESSIBILITY DETAILS	G2.2
	EXISTING & DEMOLITION FLOOR PLAN	A1.0
	PROPOSED FLOOR PLAN	A1.1
	PROPOSED EQUIPMENT PLAN	A1.2
	ENLARGED UNISEX BATHROOM	A1.3
	REFLECTED CEILING PLAN	A2.0
	INTERIOR ELEVATIONS	A3.0
	ARCHITECTURAL DETAILS	A4.0
ELECTRICAL	ARCHITECTURAL DETAILS	A5.0
5 SHEETS	ELECTRICAL SPECIFICATION	E-00
	SINGLE LINE DIAGRAM & SCHEDULES	E-01
	LIGHTING PLAN	E-100
	POWER PLAN	E-200
MECHANICAL	TITLE 24 ELECTRICAL	E-201
5 SHEETS	MECHANICAL NOTES	M000
	MECHANICAL SCHEDULES	M001
	MECHANICAL PLAN	M100
	MECHANICAL DETAILS	M200
PLUMBING	MECHANICAL TITLE 24	M-201
5 SHEETS	PLUMBING SCHEDULE AND NOTES	P000
	PLUMBING SCHEDULES AND NOTES 2	P-001
	PLUMBING WATER & GAS PLAN	P-100
	PLUMBING WASTE & VENT PLAN	P-200
	PLUMBING DETAILS	P-300
	TITLE 24 PLUMBING	P-301
	TITLE 24 CERTS OF INSTALLATION	P-302
	TOTAL SHEETS: 31	

# PROJECT VICINITY MAP





Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com

www.accandengineering.com

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

professional

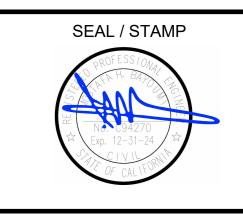


HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH **REVISIONS HISTORY** PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 ENGINEERING



SHEET NAME **COVER PAGE - SHEET INDEX** 

## CITY RESOLUTION APPROVAL - FOR INFORMATION ONLY

CITY OF NEWPORT BEACH 100 Civic Center Drive Newport Beach, California 9266 949 644-3200

**VIA EMAIL** 

September 29, 2022 Ray F & B LLC 4870 Park Newport Newport Beach, CA 92660

rayfandb@gmail.com Subject: Minor Use Permit No. UP2022-009 (PA2022-086) 3348 East Coast Highway

**Del Mar Roasters Minor Use Permit** 

Dear Mr. Shannak,

It was a pleasure working with you on the above referenced application. Please be advised that the subject application was approved by the Zoning Administrator on September 29, 2022 and effective on October 13, 2022. A copy of the approved resolution with findings and conditions is attached. If you have any questions, please do not hesitate to contact me directly. Thank you and I look forward to working with you again in the future.

Zoning Administrator Resolution No. ZA2022-062 Page 5 of 8

SECTION 4. DECISION.

## NOW, THEREFORE, BE IT RESOLVED:

- 1. The Zoning Administrator of the City of Newport Beach hereby finds this project is categorically exempt from the California Environmental Quality Act pursuant to Section 15301 under Class 1 (Existing Facilities) of the CEQA Guidelines, California Code of Regulations, Title 14, Division 6, Chapter 3 because it has no potential to have a significant
- The Zoning Administrator of the City of Newport Beach hereby approves minor use permit No. UP2022-009 subject to the conditions set forth in Exhibit "A," which is attached hereto and incorporated by reference.

PASSED, APPROVED, AND ADOPTED THIS 29TH DAY OF SEPTEMBER, 2022.

Zoning Administrator

10-18-21

### **RESOLUTION NO. ZA2022-062**

A RESOLUTION OF THE ZONING ADMINISTRATOR OF THE CITY OF NEWPORT BEACH, CALIFORNIA, APPROVING MINOR USE PERMIT NO. UP2022-009 FOR A TAKE-OUT SERVICE, LIMITED EATING AND DRINKING ESTABLISHMENT (COFFEE SHOP) LOCATED AT 3348 EAST COAST HIGHWAY (PA2022-

THE ZONING ADMINISTRATOR OF THE CITY OF NEWPORT BEACH HEREBY FINDS AS

SECTION 1. STATEMENT OF FACTS.

- 1. An application was filed by Ray F&B, LLC (Applicant), with respect to property located at 3348 East Coast Highway, and legally described as Lot 5 of Block S of Tract No. 323, requesting approval of a minor use permit.
- 2. The Applicant requests a minor use permit to allow the establishment of an 836-squarefoot coffee shop (i.e., a take-out service, limited use) with 187 square feet of customer seating area (maximum of six seats), a roaster area, and a kitchen. As proposed, there will be no alcohol sales and service and no late hours (beyond 11:00 p.m.).
- 3. The subject property is categorized as Corridor Commercial (CC) by the General Plan Land Use Element and is located within the Commercial Corridor (CC) Zoning District.
- 4. The subject property is not located within the coastal zone; therefore, a coastal development permit is not required.
- 5. A public hearing was held on September 29, 2022, online via Zoom. A notice of time, place, and purpose of the hearing was given in accordance with the Newport Beach Municipal Code (NBMC). Evidence, both written and oral, was presented to and considered by, the Zoning Administrator at this hearing.

SECTION 2. CALIFORNIA ENVIRONMENTAL QUALITY ACT DETERMINATION.

- This project is exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301 under Class 1 (Existing Facilities) of the CEQA Guidelines, California Code of Regulations, Title 14, Division 6, Chapter 3 because it has no potential to have a significant effect on the environment.
- This exemption authorizes minor alterations to existing structures involving negligible or no expansion of use. The proposed project involves alterations to the interior floor plan of an existing, previously occupied commercial space with no expansion in the floor

Zoning Administrator Resolution No. ZA2022-062

**EXHIBIT "A"** CONDITIONS OF APPROVAL

(Project-specific conditions are in italics)

Planning Division

- 1. The development shall be in substantial conformance with the approved site plan and floor plan stamped with the date of this approval (except as modified by applicable conditions
- 2. The project is subject to all applicable City ordinances, policies, and standards unless specifically waived or modified by the conditions of approval.
- The Applicant shall comply with all federal, state, and local laws. Material violation of any of those laws in connection with the use may be cause for revocation of this use
- 4. This use permit, as part of PA2022-086, shall expire unless exercised within 24 months from the date of approval as specified in Section 20.54.060 of the Newport Beach Municipal Code, unless an extension is otherwise granted. 5. The maximum number of seats allowed in the coffee shop shall be six (6). No outdoor

seating is permitted without further review and may require an amendment to this minor

- use permit or the processing of a new use permit. 6. The hours of operation shall be between 6:00 a.m. to 6:00 p.m., daily.
- The sale of alcohol shall not be permitted.
- 8. This minor use permit may be modified or revoked by the Zoning Administrator if determined that the proposed uses or conditions under which it is being operated or maintained are detrimental to the public health, welfare or materially injurious to property or improvements in the vicinity or if the property is operated or maintained to constitute
- Any change in operational characteristics, expansion in the area, or other modification to the approved plans, shall require subsequent review and approval of the Planning Division. Depending on the nature of the request, an amendment to this minor use permit or the processing of a new use permit.
- 10. A copy of the Resolution, including conditions of approval Exhibit "A" shall be ncorporated into the Building Division and field sets of plans prior to issuance of the

Zoning Administrator Resolution No. ZA2022-062

SECTION 3. REQUIRED FINDINGS.

In accordance with Section 20.52.020 (F) (Conditional Use Permits and Minor Use Permits -Findings and Decision) of the NBMC, the following findings and facts in support of such findings

A. The use is consistent with the General Plan and any applicable specific plan.

## Facts in Support of Finding:

- 1. The General Plan land use category for this site is CC (Corridor Commercial), which is intended to provide a limited range of retail and service uses developed in one (1) or more distinct centers oriented to primarily serve the needs of and maintain compatibility with residential uses in the immediate area.
- The proposed coffee shop is in a distinct commercial area along East Coast Highway. While the tenant space is adjacent to a residential neighborhood, it is oriented toward Coast Highway and away from the residential area to the north. The proposed coffee shop would provide a new food and beverage option for residents, as well as for visitors to the area and those traveling along the highway. For these reasons, the proposal is consistent with the CC land use category.
- The proposed coffee shop is complementary to the surrounding commercial uses, which include a sushi restaurant, bakery, and hair salon. It also provides a service to residents nearby on Marigold Avenue and the surrounding village of Corona del Mar.
- The subject property is not part of a specific plan area.

B. The use is allowed within the applicable zoning district and complies with all other applicable provisions of this Zoning Code and the Municipal Code.

## Facts in Support of Finding:

- 1. A coffee shop (take-out service, limited) is permitted with the approval of a minor use permit in the CC (Commercial Corridor) Zoning District. A minor use permit is required due to its proposed location within 500 feet of a residential zoning district. The nearest residential district is 15 feet away across the alley to the north.
- The development on the subject property is legal, and nonconforming due to there being only four (4) parking spaces available on-site. The subject property includes two (2) commercial suites (3344 and 3348 East Coast Highway). The adjacent suite (3344), which is currently occupied by Sota Sushi, has been used as a restaurant since 1954. The subject suite (3348) has been occupied by a variety of commercial uses, with the

Zoning Administrator Resolution No. ZA2022-062

Between the hours of 7:00 AM Between the hours of 10:00

- 11. Prior to the issuance of a building permit, the applicant shall pay any unpaid administrative costs associated with the processing of this application to the Planning
- 12. All noise generated by the proposed use shall comply with the provisions of Chapter 10.26 and other applicable noise control requirements of the NBMC. The maximum noise shall be limited to no more than depicted below for the specified periods unless the ambient noise level is higher:

	and 10:00	PM	PM and 7	:00 AM
Location	Interior	Exterior	Interior	Exterior
Residential Property	45dBA	55dBA	40dBA	50dBA
Residential Property located within 100 feet of a commercial property	45dBA	60dBA	45dBA	50dBA
Mixed Use Property	45dBA	60dBA	45dBA	50dBA
Commercial Property	N/A	65dBA	N/A	60dBA

- 13. Should the property be sold or otherwise come under different ownership, any future owners or assignees shall be notified of the conditions of this approval by either the current business owner, property owner, or the leasing agent.
- 14. Construction activities shall comply with Section 10.28.040 (Construction Activity-Noise Regulations) of the NBMC, which restricts hours of noise-generating construction activities that produce noise to between the hours of 7:00 a.m. and 6:30 p.m., Monday through Friday, and 8:00 a.m. and 6:00 p.m. on Saturday. Noise-generating construction activities are not allowed on Saturdays, Sundays, or Holidays.
- 15. No outside paging system shall be utilized in conjunction with this establishment.
- 16. All trash shall be stored within the building or within dumpsters stored in the trash enclosure (three (3) walls and a self-latching gate) or otherwise screened from view of neighboring properties, except when placed for pick-up by refuse collection agencies The trash enclosure shall have a decorative solid roof for aesthetic and screening
- 17. Trash receptacles for patrons shall be conveniently located both inside and outside of the establishment, however, not located on or within any public property or right-of-way.
- 18. The exterior of the business shall be maintained free of litter and graffiti at all times. The owner or operator shall provide for daily removal of trash, litter debris, and graffiti from the premises and on all abutting sidewalks within 20 feet of the premises.
- 19. The Applicant shall ensure that the trash dumpsters and/or receptacles are maintained to control odors. This may include the provision of either fully self-contained dumpsters or periodic steam cleaning of the dumpsters if deemed necessary by the Planning Division. Cleaning and maintenance of trash dumpsters shall be done in compliance

Zoning Administrator Resolution No. ZA2022-062

Page 3 of 8

immediate-past tenant being a dry cleaner (personal service, general) use. Title 20 (Planning and Zoning) of the NBMC requires one (1) parking space per 250 square feet of the gross floor area of off-street parking for both a personal service, general and takeout service, and limited use. Therefore, no intensification or enlargement is proposed, and no additional parking is required.

As conditioned, the proposed coffee shop will comply with Title 20 standards for eating and drinking establishments, including those specific to the take-out service, and limited use classification, which includes a maximum of six (6) seats.

the allowed uses in the vicinity. Facts in Support of Finding: Parking at the subject property is legally nonconforming as there are only four (4) parking

spaces available on-site. This includes one (1) parking space that is accessible and

compliant with Americans with Disabilities Act (ADA) standards. The proposed coffee

shop is replacing an existing personal service land use, which shares the same parking

requirement. Therefore, no additional parking is required, and the coffee shop is not

been included to limit hours of operation between 6:00 a.m. to 6:00 p.m., daily, which

will ensure compatibility for parking during even hours for the adjacent restaurant. There will be no late hours permitted (beyond 11:00 p.m.), daily, which will minimize any

C. The design, location, size, and operating characteristics of the use are compatible with

- anticipated to create negative parking impacts on surrounding uses.
- The proposed coffee shop is compatible with the existing and allowed uses in the area, which consist of retail commercial, and residential developments. The Applicant is proposing hours of operation between 6:00 a.m. to 6:00 p.m., Monday through Saturday, and 7:00 a.m. to 5:00 p.m. on Sunday. A condition of approval has
- The proposed coffee shop is oriented towards East Coast Highway in a manner that shields the storefront activity from the nearby residential uses on Marigold Avenue.

disturbance to residences near the property.

D. The site is physically suitable in terms of design, location, shape, size, operating characteristics, and the provision of public and emergency vehicle (e.g., fire and medical) access, and public services and utilities.

Facts in Support of Finding:

The project site is located on East Coast Highway between Marguerite and Marigold Avenues, which is a busy commercial corridor with heavy vehicular traffic and pedestrian

Zoning Administrator Resolution No. ZA2022-062

with the provisions of Title 14, including all future amendments (including Water Quality related requirements). Deliveries and refuse collection for the facility shall be prohibited between the hours of

p.m. and 9:00 a.m. on Sundays and Federal holidays unless otherwise approved by the Director of Community Development and may require an amendment to this Use Permit. 21. Storage outside of the building in the front or at the rear of the property shall be

10:00 p.m. and 7:00 a.m. on weekdays and Saturdays and between the hours of 10:00

- prohibited, except for the required trash container enclosure 22. A Special Events Permit is required for any event or promotional activity outside the normal operating characteristics of the approved use, as conditioned, or that would
- attract large crowds, involve the sale of alcoholic beverages, include any form of on-site media broadcast, or any other activities as specified in the Newport Beach Municipal Code to require such permits. 23. The Applicant is required to obtain all applicable permits from the City's Building Division and Fire Department. The construction plans must comply with the most recent, City
- applicable State Disabilities Access requirements. Approval from the Orange County Health Department is required prior to the issuance of a building permit. 24. This approval shall expire and become void unless exercised within 24 months from the actual date of review authority approval, except where an extension of time is approved in

compliance with the provisions of Title 20 Planning and Zoning of the NBMC.

adopted version of the California Building Code. The construction plans must meet all

25. To the fullest extent permitted by law, Applicant shall indemnify, defend and hold harmless City, its City Council, its boards and commissions, officials, officers, employees, and agents from and against any and all claims, demands, obligations, damages, actions, causes of action, suits, losses, judgments, fines, penalties, liabilities, costs, and expenses (including without limitation, attorney's fees, disbursements, and court costs) of every kind and nature whatsoever which may arise from or in any manner relate (directly or indirectly) to City's approval of Del Mar Roasters including, but not limited to Minor Use Permit No. UP2022-009 (PA2022-086). This indemnification shall include, but not be limited to, damages awarded against the City, if any, costs of suit, attorney's fees, and other expenses incurred in connection with such claim, action, causes of action, suit, or proceeding whether incurred by Applicant, City, and/or the parties initiating or bringing such proceeding. The Applicant shall indemnify the City for all of the City's costs, attorney's fees, and damages which the City incurs in enforcing the indemnification provisions set forth in this condition. The Applicant shall pay to the City upon demand any amount owed to the City pursuant to the indemnification requirements prescribed in this condition.

Zoning Administrator Resolution No. ZA2022-062

activity. Direct vehicular access to the parking lot is available via an alley in the rear of the property, which is accessible from both Marguerite and Marigold Avenues. The proposed coffee shop is not expected to result in increased vehicular and pedestrian activity that would negatively affect access.

served by all necessary utilities. The change in use is not anticipated to create any issues with current utility service providers.

The proposed coffee shop will occupy an existing commercial tenant space that is

- The Fire Department reviewed the project and site to ensure adequate public and emergency vehicle access is provided and does not have any concerns.
- All proposed site and tenant improvements must comply with the NBMC and any other applicable regulations for permits to be issued.

harmonious and orderly growth of the City, nor endanger, jeopardize, or otherwise constitute a hazard to the public convenience, health, interest, safety, or general welfare of persons residing or working in the neighborhood of the proposed use.

Operation of the use at the location proposed would not be detrimental to the

## Facts in Support of Finding:

- The proposed coffee shop has been reviewed and this resolution includes conditions of approval to ensure that potential conflicts with the surrounding land uses are minimized to the greatest extent possible. The business operator is required to take reasonable steps to discourage and correct objectionable conditions that constitute a nuisance in parking areas, sidewalks, and areas surrounding the subject property and adjacent properties during business hours, if directly related to the patrons of the establishment.
- The proposed coffee shop will add additional take-out options to the neighborhood and will provide an economic opportunity for the property owner to update the tenant space and provide additional services to residents and visitors.
- The Applicant is required to obtain Health Department approval prior to opening for business and comply with the California Building Code to ensure the safety and welfare of customers and employees within the establishment.
- The proposed use includes limited hours, there is no alcohol service proposed, and there is no increased parking demand. Based on an evaluation against the requirements of the NBMC, the proposed use will not result in detriment to the existing retail shopping center or the surrounding community.

**ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER 48

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 ENGINEERING



SHEET NAME COVER PAGE CONTINUED)

SHEET NUMBER

G00.

# AREA / ANALYSIS LAYOUT PLAN

## **NOTES LEGEND**

RAMPS SHALL HAVE LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP, POINTS OF TURNING. ENTRANCE, EXITS AND AT DOORS, LANDINGS SHALL COMPLY WITH SECTIONS 1012.6.1 THROUGH

NOTE-02 MEANS OF EGRESS RAMPS SHALL NOT REDUCE IN WIDTH IN THE DIRECTION OF EGRESS TRAVEL. PROJECTIONS INTO THE REQUIRED RAMP AND LANDING WIDTH ARE PROHIBITED. DOORS OPENING ONTO A LANDING SHALL NOT REDUCE THE CLEAR WIDTH TO LESS THAN 42 INCHES

CHANGE IN ELEVATION IS LESS THAN 30" THE MIN. REQUIREMENTS FOR GUARDRAILS - SEE EXCEPTION 2 / G1.0. FOR CONSTRUCTION DETAILS.

ONE HANDRAIL THAT IS IN COMPLIANCE WITH SECTION 1014 IS PERMITTED NO FURTHER THAN 30 INCHES FROM THE C.L OF THE STAIRWAY. SEE EXCEPTION 1 NOTE#03 / G1.0. SEE G2.2 FOR CONSTRUCTION DETAILS.

PROVIDE CONTRASTING COLOR AT STEP FOR SAFETY.

## **EXIT NOTES**

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

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

a."EXIT STAIR DOWN" D. "FIT RAMP DOWN"

TACTILE SIGN NOTES

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

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

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

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

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

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

EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL POWER SYSTEM (STORAGE BATTERIES, UNIT EQUIPMENT. OR AN ON SITE GENERATOR SET OR AN APPROVED SELF LUMINOUS SYSTEM THAT PROVDES CONTINUOUS ILLUMINATION INDEPENDENT OF THE EXTERNAL POWER SOURCE TO ENSURE THAT THE EXIT SIGNS ARE ILLUMINATED AT ALL TIME.

MINIMUM 90 MIN BATTERY BACKUP REQUIRED CBC 1011.5.3 WHEN 2 EXITS ARE REQUIRED, THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1

FOOT-CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL. THE MEANS OF EGRESS SHALL BE ILLUMINATED AT ALL TIMES IN ACCORDANCE WITH CBC SECTION 1006.1; 1006.2 AND 1006.3.

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

## ACCESS. LEGEND

- 1 PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY MOUNT 60" A.F.F. TO CENTERLINE OF SIGN.
- PROVIDE TACTILE GRADE-2 CONTRACTED BRAILLE WALL SIGN -REFER TO RESTROOM SIGNAGE DETAIL ON SHEET G2.1 FOR ADDITIONAL INFORMATION.
- PROVIDE ACCESSIBLE RESTROOM DOOR SIGNAGE REFER TO RESTROOM SIGNAGE DETAIL G2.1 FOR ADDITIONAL INFORMATION.
- PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY TO FRONT COUNTER STATING "THIS CHECK STAND TO BE OPEN AT ALL TIMES FOR CUSTOMERS WITH DISABILITIES" -
- PROVIDE TACTILE GRADE-2 CALIFORNIA CONTRACTED BRAILLE EXIT SIGN WITH THE WORD "EXIT" AT EACH-LEVEL EXTERIOR EXIT DOOR

DIRECTLY MOUNT UNDER COUNTERTOP IN A CONSPICUOUS PLACE

- 6 CEILING MOUNTED EXIT LIGHT WITH BATTERY BACKUP / SEE REFLECTED CEILING PLAN
- 34" H ACCESSIBLE CASHIER COUNTER WITH MIN. 30" x 48" CLEAR FLOOR SPACE FOR PARALLEL APPROACH AT FRONT COUNTER.
- 8 PROVIDE FIRE EXTINGUISHER CABINET/SEE EQUIPMENT SCHEDULE FOR DETAILS.

## **ACCESSIBLE DOOR NOTES:**

FLOOR OR GROUND SURFACES WITHIN REQUIRED DOOR MANEUVERING CLEARANCES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. SURFACES SHALL BE BE LEVEL WITH A SLOPE NOT STEEPER THAN 1:48. CHANGES IN LEVEL ARE NOT PERMITTED EXCEPT AT THRESHOLDS. OPENING IN FLOOR SHALL NOT ALLOW PASSAGE OF SPHERE MORE THAN 1/2" DIAMETER. (11B-302.2) (11B-404.2.4.4)

## THRESHOLDS AT DOORWAYS:

THRESHOLDS SHALL BE 1/2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SECTION 11B-302 AND 11B-303. (11B-404.2.5)

## DOOR OPENING FORCE:

MAXIMUM FORCE TO FOR PUSHING OR PULLING OPEN, EXTERIOR OR INTERIOR HINGED DOORS WITH CLOSERS AND SLIDING OR FOLDING DOORS, SHALL NOT EXCEED FIVE POUNDS. (118-404,2.9)

## DOOR AND GATE SURFACE:

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

NOTE: WALL AND CEILING MATERIAL SHALL NOT EXCEED THE FLAME

SPREAD RATING REQUIRED AS PER SEC. 803.5 TENANT SPACES, MAIN ENTRANCES AND EXITS, PATH OF TRAVEL, SANITARY FACILITIES, DRINKING FOUNTAINS AND PUBLIC TELEPHONES SERVING THE TENANT SPACE SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES, CITY INSPECTOR SHALL VERIFY AT FIELD FOR COMPLIANCE PRIOR TO FINAL INSPECTION. (SEE DOOR SCHEDULE SHEET

## **BUILDING DATA**

	STORY	SPACE NAME	OCCUPANCY GROUP	FUNCTION OF SPACE	DESIGNED AREA (GROSS)	AREA PER STO
_	1	CUSTOMER WAITING/SEATII	NG A-2	Unconcentrated assembly (tables and ch	nairs) 229 ft. <sup>2</sup>	828 ft. <sup>2</sup>
		SERVICE AREA	A-2	Kitchens, commercial	155 ft. <sup>2</sup>	
		KITCHEN AREA	A-2	Kitchens, commercial	306 ft. <sup>2</sup>	
		RESTROOM	A-2	Kitchens, commercial	49 ft. <sup>2</sup>	
		HALLWAY/CIRCULATION	В	Kitchens, commercial	89 ft. <sup>2</sup>	
					TOTAL GROSS AREA:	828 ft. <sup>2</sup>
	SPRIN	KLER TYPE OF C	ONSTRUCTION F	IRE SEPARATION HIGH-RISE		
-					<del></del>	

NON-SEPARATED OCCUPANCIES NO

## OCCUPANCY & EGRESS ANALYSIS

NOT SPRINKLERED

SPACE NAME	OCCUPANCY GROUP	DESIGNED AREA (GROSS)	DESIGNED AREA (NET)	OLF	OCCUPANT LOAD
CUSTOMER WAITING/SEATING	A-2	229 ft. <sup>2</sup>	223 ft. <sup>2</sup>	15	15
SERVICE AREA	A-2	155 ft. <sup>2</sup>	-	200	1
KITCHEN AREA	A-2	306 ft. <sup>2</sup>	-	200	2
RESTROOM	A-2	49 ft. <sup>2</sup>	-	200	1
HALLWAY/CIRCULATION	В	89 ft. <sup>2</sup>	-	200	1
					20

## MIN. EXITS PER SPACE

TOTAL OCCUPANY LOAD

FOR OCCUPANCY LOAD LESS THAN 49, ONE EXIT IS ALLOWED.

SPACE NAME (	OCCUPANCYGROUP	CUM. OCCUPANT LOAD OF SPACE	MAX SINGLE EXIT CUMULATIVE LOAD OF SPACE	MIN. REQUIRED NUMBER OF EXITS	MAX. COMMON PATH OF EGRESS ALLOWED FOR SINGLE EXIT
CUSTOMERWAITING/SE	EATING A-2	15	49	1	75
SERVICE AREA	A-2	1	49	1	75
KITCHEN AREA	A-2	2	49	1	75
RESTROOM	A-2	1	49	1	75
HALLWAY/CIRCULATION	N B	1	49	1	100

SINGLE-OCCUPANCY CATEGORY B, NON-SPRINKLERED

SPACES ARE ALLOWED TO HAVE ONLY A SINGLE EXIT IF THEY HAVE LESS THAN A PRESCRIBED AMOUNT OF OCCUPANTS, DEPENDING ON THE OCCUPANCY GROUP. ALSO, THE COMMON PATH OF EGRESS TRAVEL MUST BE LESS THAN THAT ALLOWED BY TABLE 1006.2.1. HOWEVER, DEAD END CORRIDORS THEMSELVES ARE NOT LIMITED WHEN ONLY ONE EXIT IS REQUIRED.

ELEVATION CHANGE AT EGRESS PATHWAY AND AT PATH OF TRAVEL ANALYSIS

WHERE CHANGES IN ELEVATION OF LESS THAN 12 INCHES EXIST IN THE MEANS OF EGRESS, SLOPED SURFACES SHALL BE USED. WHERE THE SLOPE IS GREATER THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT SLOPE). RAMPS COMPLYING WITH SECTION 1012 SHALL BE USED. WHERE THE DIFFERENCE IN ELEVATION IS 6 INCHES OR LESS. THE RAMP SHALL BE EQUIPPED WITH EITHER HANDRAILS OR FLOOR FINISH MATERIALS THAT CONTRAST WITH ADJACENT FLOOR FINISH MATERIALS.

## **EXCEPTIONS**

EXCEPTION 1- A STAIR WITH A SINGLE RISER OR WITH TWO RISERS AND A TREAD IS PERMITTED AT LOCATIONS NOT REQUIRED TO BE ACCESSIBLE BY CHAPTER 11A OR 11B WHERE THE RISERS AND TREADS COMPLY WITH SECTION 1011.5, THE MINIMUM DEPTH OF THE TREAD IS 13 INCHES AND NOT LESS THAN ONE HANDRAIL COMPLYING WITH SECTION 1014 IS PROVIDED WITHIN 30 INCHES OF THE CENTERLINE OF THE NORMAL PATH OF EGRESS TRAVEL ON THE STAIR. A STEP IS PERMITTED IN AISLES SERVING SEATING THAT HAS A DIFFERENCE IN ELEVATION LESS THAN 12 INCHES AT LOCATIONS NOT REQUIRED TO BE ACCESSIBLE BY CHAPTER 11A OR 11B. PROVIDED THAT THE RISERS AND TREADS COMPLY WITH SECTION 1030.14 AND THE AISLE IS PROVIDED WITH A HANDRAIL COMPLYING WITH SECTION 1030.16.

EXCEPTION 2- WHEREVER THERE IS AN OPEN-SIDED WALKING AREA THAT IS MORE THAN 30" NO RISE IN THIS PROJECT IS ABOVE 30 " ABOVE THE FLOOR LEVEL (OUT TO 36" WHERE THE GROUND MAY SLOPE OR BE UNEVEN), THE WALKWAY REQUIRES A GUARD RAIL TO BE IN PLACE. THERE ARE CERTAIN SPACES WHERE A GUARD REQUIREMENT WOULD NOT BE PRACTICAL OR POSSIBLE, THESE AREAS ARE EXEMPT FROM THIS REQUIREMENT AND INCLUDE STAGES AND PERFORMING AREAS, TRUCK LOADING DOCKS, AND VEHICLE SERVICING PITS. ASSEMBLY SEATING AREAS DO NOT NEED TO COMPLY WITH THIS SECTION, BUT RATHER, MUST COMPLY WITH THE GUARD REQUIREMENTS OF SECTION 1029.17.2. GLASS AND GLAZING MATERIALS ARE PERMITTED FOR USE AS A GUARD, HOWEVER THEY MUST MEET THE PERFORMANCE AND STRENGTH REQUIREMENTS OF SECTIONS 2407 AND 1607.8 OF THE BUILDING CODE. WHERE THE GLAZING DOES NOT MEET THESE STRENGTH AND RESISTANCE REQUIREMENTS, GUARDS ARE REQUIRED TO BE INSTALLED ALONG WITH OF THE GLAZING

## **RAMPS & STAIRS**

MIN. CORRIDOR WIDTH IS USED TO CALCULATE MIN. RAMP WIDTH PER 1012.5.1 "THE MINIMUM WIDTH AND REQUIRED CAPACITY OF A MEANS OF EGRESS RAMP SHALL BE NOT LESS THAN THAT REQUIRED FOR CORRIDORS BY SECTION 1020.3. THE CLEAR WIDTH OF A RAMP BETWEEN HANDRAILS, IF PROVIDED, OR OTHER PERMISSIBLE PROJECTIONS SHALL BE 36 INCHES MINIMUM.

TABLE 1020.3 MINIMUM CORRIDOR WIDTH CORRIDOR OCCUPANCIES SERVED CUM. OCCUPANT LOAD RAMP TO RESTROOM 44"

SEESECTION 1030 FOR AISLES AND AISLE ACCESSWAYS IN ROOMS OR SPACES USED FOR ASSEMBLY PURPOSES. USE 24" FOR ACCESS TO AND UTILIZATION OF MECHANICAL, PLUMBING OR ELECTRICAL SYSTEMS OR EQUIPMENT

FULLY OPENED DOORS SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7 INCHES, AND IN NO POSITION MAY REDUCE THE REQUIRED SECTION 1005.7 WIDTH BY MORE THAN ONE-HALF.

MIN. STAIRWAY WIDTH MIN. CALCULATED VALUE MIN. VALUE PER SEC. 1011.2 FINAL MIN. STAIRWAY WIDTH STORY STAIRWAY

SERVICE TO KITCHEN ONE STEP

## **FIRE RATINGS**

ALL

INTERIOR BUILDING ELEMENT FIRE-RESISTANCE RATING

MIN. FIRE RESISTANCE RATINGS (HRS.) INTERIOR BUILDING ELEMENT TYPE PRIMARY STRUCTURAL FRAME INTERIOR BEARING WALLS INTERIOR NONBEARING WALLS AND PARTITIONS FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY STRUCTURAL MEMBERS 0

MIN. FIRE WALL RATINGS

ANY FIRE WALLS PRESENT MUST MEET THE MINIMUM FIRE RESISTANCE MIN. FIRE WALL RESISTANCE RATING (HRS.) RATINGS BELOW BY OCCUPANCY GROUP

ASSEMBLIES, OR THE COMBINATION THEREOF MUST BE CONSTRUCTED IN ACCORDANCE WITH TABLE 707.3.10. IN A MIXED OCCUPANCY THE HIGHER RATINGMUST BE USED.

ROOF CONSTRUCTION AND ASSOCIATED SECONDARY STRUCTURAL MEMBERS 0

OCCUPANCY GROUP WHERE A BUILDING IS DIVIDED INTO SEPARATE FIRE AREAS, SO AS TO ELIMINATE THE NEED FOR AN AUTOMATIC FIRE SPRINKLER SYSTEM, THE FIRE WALLS, FIRE BARRIERS, HORIZONTAL

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

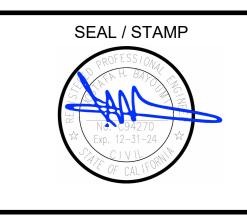


HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION  $\infty$ 

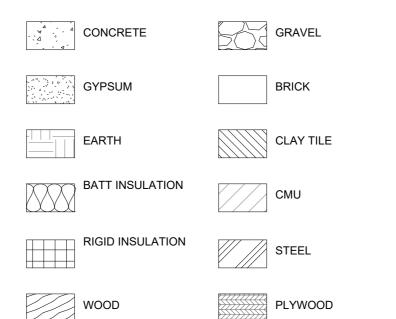
AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 **ENGINEERING** 



SHEET NAME **AREA PLAN & CODE** ANALYSIS

SHEET NUMBER

G1.0



## **GENERAL REQUIREMENTS:**

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

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

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

## DISABLED ACCESS REQUIREMENTS (DOORS, GATES & HARDWARE ):

- 1. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3'-0" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".
- 2. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- 3. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
- 4. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE THE FLOOR.
- 5. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION
- 5a. TOP LANDINGS SHALL BE NOT LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP RUN. LANDINGS AT THE BOTTOM OF RAMPS SHALL HAVE A DIMENSION IN THE+DIRECTION OF RAMP RUN OF NOT LESS THAN 72 INCHES.
- 6. THE WIDTH OF THE LEVEL AND CLEAR AREA ON THE PULL SIDE OF THE DOOR SHALL EXTEND 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. WHERE THE PLANE OF THE DOORWAY IS OFFSET OR LOCATED IN AN ALCOVE A DISTANCE MORE THAN 8 INCHES MEASURED FROM THE PLANE OF THE DOORWAY TO THE FACE OF THE WALL, THE DOOR SHALL BE PROVIDED WITH 60 INCHES MANEUVERING CLEARANCE FOR FRONT APPROACH.

  SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR
- 8. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS

IN THE CLOSED POSITION.

- 9. A NARROW FRAME WITH A BEVELED TOP EDGE (30 DEGREES MAXIMUM BEVEL TO VERTICAL PLANE) INSTALLED AT THE BOTTOM OF A GLASS DOOR (WITH NO SIDE FRAMES) MAY BE USED IN LIEU OF PROVIDING THE REQUIRED 10" UNINTERRUPTED SURFACE AT THE BOTTOM OF THE DOOR. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY NOT TO EXCEED 15 POUNDS.
- 10. WHEN SANITARY FACILITIES ARE LOCATED ON ACCESSIBLE FLOORS OF A BUILDING, THEY SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY
- 11. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4"
  THICK, 12" IN DIAMETER WITH 1/4" THICK TRIANGLE SUPERIMPOSED ON
  THE CIRCLE AND WITHIN THE 12" DIAMETER, SEE DETAIL 3/A6.
- 12. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE.
- 13.THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A 28" CLEAR SPACE FROM A FIXTURE OR A 32" WIDE CLEAR SPACE FROM A WALL AT ONE SIDE AND 48" OF CLEAR SPACE IN FRONT OF THE WATER CLOSET.
- 13a. PROVIDE ONE ACCESSIBLE WATER CLOSET WITH A MINIMUM MANEUVERING SPACE OF 60 INCHES WIDE X 48 INCHES IN DEPTH IN FRONT OF THE WATER CLOSET.
- 14.THE DISTANCE BETWEEN THE CENTER LINE OF A WATER CLOSET AND AN ADJOINING WALL SHALL BE 15-1/2" MINIMUM, 19" MAXIMUM.
- 15.LOCATE THE CENTER LINE OF THE WATER CLOSET BETWEEN 17" AND 19" FROM THE FINISHED FACE OF THE WALL.
- 16.THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" AND A MAXIMUM OF 18" MEASURED TO THE TOP OF THE TOILET SEAT.
- 17.LAVATORIES SHALL BE MOUNTED WITH A MINIMUM DISTANCE OF 18" FROM FACE OF SIDEWALL TO THE CENTER LINE OF THE FIXTURE. ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR.
- 18.TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POLINDS.
- 19.A CLEAR FLOOR SPACE 30" WIDE X 48" LONG SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE MAY ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND MAY EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY.

## **EXITS, STAIRS AND OCCUPANT LOADS:**

**NOTES** 

- EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE (SEC. 1003.3.1.5) OVER A LANDING NOT MORE THAN 1/2" BELOW THE THRESHOLD (SEC. 1003.3.1.6).
   EXIT WAYS SHALL BE ILLUMINATED BY AN APPROVED EMERGENCY LIGHTING SYSTEM DESIGNED TO OPERATE WHEN THE POWER SOURCE IS INTERRUPTED IN ALL EXIT CORRIDORS, PUBLIC HALLWAYS OR OTHER REQUIRED EXITS AS REQUIRED BY THE ELECTRICAL CODE (SEC. 1003.2.9.2).
- 3. WHERE REQ'D BY SECTION 1003.2.8.2, AND SECTION 12 OF THE 2001 C.F.C., PROVIDE APPROVED AND LISTED, INTERNALLY, EXTERNALLY OR SELF-ILLUMINATED LOW-LEVEL EXIT SIGNS COMPLYING WITH SECTION 1003.2.8.2. THE BOTTOM OF THE SIGN SHALL BE NOT LESS THAN 6" NOR MORE THAN 8" ABOVE THE FLOOR LEVEL. FOR EXITWAY DOORS, THE SIGN SHALL BE ON THE DOOR WITH THE CLOSEST EDGE OF THE SIGN WITHIN 4" OF THE DOOR FRAME OR ADJACENT TO THE DOOR. SUCH SIGNS SHALL BE OF A TYPE WHICH IS PERCEPTIBLE TO THE SENSE OF TOUCH (SEC. 1003.2.8.3).
- 4. ALL MANUALLY OPERATED EDGE OR SURFACE-MOUNTED FLUSH BOLTS IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED. THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR KNOB OR SURFACE-MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- 5. FOR GROUP A OCCUPANCY, WHERE EXIT SIGNS ARE REQUIRED BY SECTION 1003.2.8.2, PROVIDE ALL EXIT CORRIDORS WITH CONTINUOUS LOW-LEVEL EXIT PATH MARKING. INSTALL APPROVED AND LISTED INTERNALLY OR SELF-ILLUMINATED MARKING AT FLOOR LEVEL OR NO HIGHER THAN 8" ABOVE THE FLOOR LEVEL. SUCH MARKING SHALL BE OF A TYPE WHICH IS PERCEPTIBLE TO THE SENSE OF TOUCH (SEC. 1007.2.8).
- 6. THE CONTRACTOR SHALL UNDERCUT ALL NEW AND EXISTING DOORS 1/4" ABOVE THE TOP OF FLOOR COVERING. VERIFY EXACT THICKNESS OF ALL NEW FLOOR COVERINGS WITH WWCOT PRIOR TO UNDERCUTTING OF DOORS.
- 7. STANDARD MINIMUM DISTANCE BETWEEN DOOR JAMB AND WALL PERPENDICULAR AND ADJACENT TO DOOR OPENINGS TO BE 5" UNLESS OTHERWISE NOTED.
- 8. PROVIDE FIRE RATED ASSEMBLY CORRIDOR DOORS WHERE OCCURS (THRESHOLD, DOOR GASKETING AT THE HEADS AND JAMBS EQUAL TO PEMKO S88 SILICONSEAL, ETC.).

## 9. WALKS AND SIDEWALKS SHALL BE 48" INCHES MINIMUM IN WIDTH.

- 10. EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICIOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT. (1004.3).
- 11. THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75 FEET.
- 12. THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY 0.3 INCHES PER OCCUPANT FOR STAIRWAYS AND BY 0.2 INCHES PER OCCUPANT FOR OTHER EGRESS COMPONENTS. THE WIDTH SHALL NOT BE LESS THAN SPECIFIED ELSEWHERE IN THIS CODE. MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50 PERCENT OF THE REQUIRED CAPACITY. (1005.1).
- 13. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES THAT ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST (11B-309.4). OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND (11B-404.2.7).
- 14.DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32" MINIMUM. SWINGING DOORS CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES.

## OPENINGS MORE THAN 24" DEEP SHALL BE 36" MINIMUM. (11B-404.2.3).

## SIGNS:

- a. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND PER CALIFORNIA FIRE CODE.
- b. EXIT SIGNS SHALL BE ELECTRICALLY ILLUMINATED AND THE TWO LAMPS SHALL BE ENERGIZED FROM SEPARATE CIRCUITS. ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES WIRING SYSTEM. IN THE EVENT OF FAILURE OF THIS SYSTEM, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM. EMERGENCY LIGHTING SHALL GIVE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.
- c. THE AMOUNT AND LOCATIONS OF EXIT SIGNS SHALL BE DETERMINED BY THE FIRE DEPARTMENT.

## FIRE LIFE SAFETY SYSTEM:

 a. ANY MODIFICATIONS TO THE FIRE LIFE SAFETY SYSTEM, SHALL BE SUBMITTED TO THE FIRE DEPT. FOR APPROVAL PRIOR TO CHANGE.
 b. PROVIDE 2-A10BC FIRE EXTINGUISHER EVERY 75 FEET OF TRAVEL.

## HANDRAILS:

1014.2 HEIGHT
HANDRAIL HEIGHT, MEASURED ABOVE STAIR TREAD NOSINGS, OR FINISH SURFACE OF RAMP SLOPE, SHALL BE UNIFORM, NOT LESS THAN 34
INCHES AND NOT MORE THAN 38 INCHES. HANDRAIL HEIGHT OF ALTERNATING TREAD DEVICES AND SHIPS LADDERS, MEASURED ABOVE TREAD
NOSINGS, SHALL BE UNIFORM, NOT LESS THAN 30 INCHES. AND NOT MORE THAN 34 INCHES.

## 1014.3 HANDRAIL GRASPABILITY

REQUIRED HANDRAILS SHALL COMPLY WITH SECTION 1014.3.1 OR SHALL PROVIDE EQUIVALENT GRASPABILITY.

## 1014.3.1 TYPE I

HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF NOT LESS THAN 11/4 INCHES (32 MM) AND NOT GREATER THAN 2 INCHES (51 MM). WHERE THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF NOT LESS THAN 4 INCHES (102 MM) AND NOT GREATER THAN 61/4 INCHES (160 MM) WITH A MAXIMUM CROSS-SECTIONAL DIMENSION OF 21/4 INCHES (57 MM) AND MINIMUM CROSS-SECTIONAL DIMENSION OF 1 INCH (25 MM). EDGES SHALL HAVE A MINIMUM RADIUS OF 0.01 INCH (0.25 MM).

## 014.3.2 TYPE II

HANDRAILS WITH A PERIMETER GREATER THAN 61/4 INCHES (160 MM) SHALL PROVIDE A GRASPABLE FINGER RECESS AREA ON BOTH SIDES OF THE PROFILE. THE FINGER RECESS SHALL BEGIN WITHIN A DISTANCE OF 3/4 INCH (19 MM) MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND ACHIEVE A DEPTH OF NOT LESS THAN 5/16 INCH (8 MM) WITHIN 7/8 INCH (22 MM) BELOW THE WIDEST PORTION OF THE PROFILE. THIS REQUIRED DEPTH SHALL CONTINUE FOR NOT LESS THAN 3/8 INCH (10 MM) TO A LEVEL THAT IS NOT LESS THAN 13/4 INCHES (45 MM) BELOW THE TALLEST PORTION OF THE PROFILE. THE WIDTH OF THE HANDRAIL ABOVE THE RECESS SHALL BE NOT LESS THAN 11/4 INCHES (32 MM) TO NOT GREATER THAN 23/4 INCHES (70 MM). EDGES SHALL HAVE A MINIMUM RADIUS OF 0.01 INCH (0.25 MM).

## 1014.6 HANDRAIL EXTENSIONS

HANDRAILS SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT FLIGHT OF STAIRS OR RAMP RUN. WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS, THE HANDRAILS SHALL EXTEND HORIZONTALLY NOT LESS THAN 12 INCHES (305 MM) BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT RAMPS WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN RUNS, THE HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12 INCHES (305 MM) MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. THE EXTENSIONS OF HANDRAILS SHALL BE IN THE SAME DIRECTION OF THE FLIGHTS OF STAIRS AT STAIRWAYS AND THE RAMP RUNS AT RAMPS.

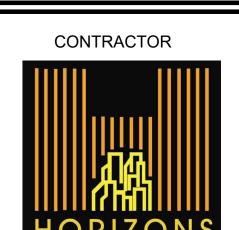


Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express writtenpermission from

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

DNSTRUCTIO

LIC#825022

DEL MAR ROASTER EPS

3348 E COAST HWY CORONA DEL MAR CA
92652

YAHYA SHANNAK

# AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED BY OTHERS 2ND REVIEW SUBMITTED BY OTHERS 3RD REVIEW SUBMITTED BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 ENGINEERING

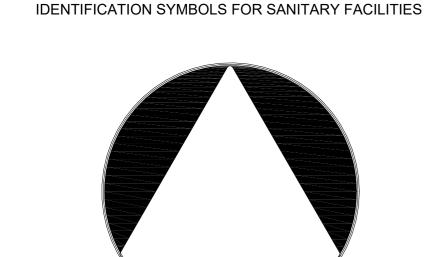


SHEET NAME
ACCESSIBLE NOTES SYMBOLS &

SHEET NUMBER

G2 0

ABBREVIATIONS.



NOTES: 1. CENTER OF SIGNS SHALL BE MOUNTED AT 5'-0" ABOVE FINISHED FLOOR AT THE CENTERLINE OF THE DOOR. 2. ALL SIGNS SHALL BE CONSTRUCTED OF 1/4" THICK SOLID OF A 1/4" THICK PLASTIC TRIANGLE MOUNTED ON A 1/4" THICK PLASTIC CIRCLE (AS RE'QD BY CODE). 3. ALL GENDER SIGNS ARE REQ'D BY CBC 11B-216.8

## 1 ALL GENDER ACCESSIBILITY SIGNAGE

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

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

4. GRAB BARS SHALL HAVE 250 LB. CAPACITY.

SEAT COVER DISPENSER

/ 36" LONG GRAB BAR

42" LONG GRAB BAR

SIDE ELEVATION

WALL MOUNTED

DEVICES, OR SUPPORTING

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

HOLDER WITHOUT STOP

**TOILET FACILITIES** 

BLOCKING SHALL BE INSTALLED AT TIME OF INITIAL CONSTRUCTION.

GRAB BARS SHALL NOT ROTATE WITHIN THE FITTINGS.

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

HARD NON-ABSORBENT -

FINISH WALL MATERIAL

36" MIN

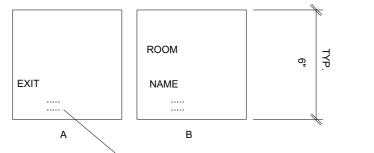
FRONT ELEVATION

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

ACCESSIBILITY SIGNAGE: ANSI APPROVED E.S. PLASTIC, NEMA RATED SELF-EXTINGUISHING ADHESIVE MOUNTED. BLUE COLOR NO. EQUAL TO 15090 IN FEDERAL STANDARD 595B

> LINE OF FIRST OBSTRUCTION BELOW AT 27" A.F.F.

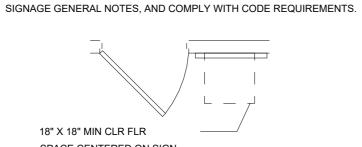
## LOCATION FOR TACTILE SIGNS

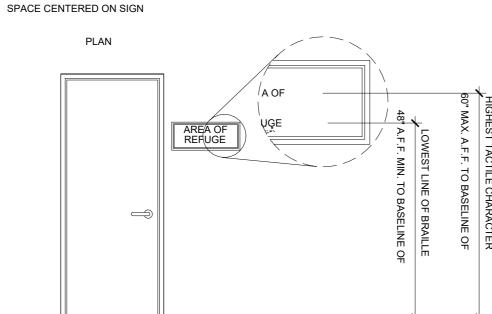


NOTE: PROVIDE GRADE 2 BRAILLE FOR ALL SIGNAGE.

1. ALL TEXT TO BE ARIAL IN FONT. 2. PROVIDE SIGNS IN CONTRASTING COLORS.

3. SEE PLAN FOR SIGNAGE LOCATION. 4. QUANTITY: PROVIDE SIGN AS NOTED ON PLAN INCLUDING THE 'EXIT' SIGN. 5. SIGNAGE PROVIDED FOR GUIDANCE ONLY. SIGNAGE COMPANY TO FOLLOW





**ELEVATION** 

HOT WATER DRAIN PIPES

TO BE INSULATED AND/OR PROTECTED FROM TOUCH.

OPERATING FORCE OF 5

SELF CLOSING VALVES SHALL

REMAIN OPEN A MINIMUM OF

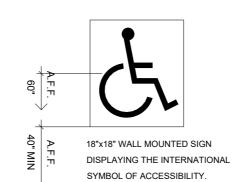
REFER TO FLOOR PLANS FOR

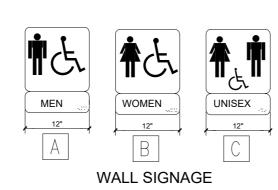
ADDITIONAL DIMENSIONS AND INFORMATION.

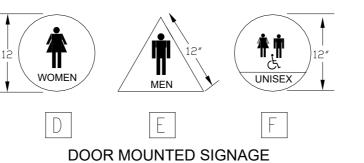
N.T.S

FAUCET CONTROLS SHALL BE

## ACCESSIBLE ENTRANCE SIGNAGE





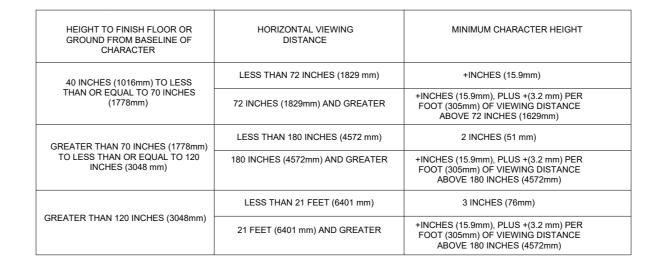


NOTE: PICTOGRAMS AND/OR LETTERING ARE NOT REQUIRED ON DOOR-MOUNTED SIGNAGE

SIGNAGE DETAILS

N.T.S

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



## TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MINIMUM INCHES MAXIMUM INCHES
0.059(1.5mm) TO 0.063 (1.6mm)
0.100 (2.5MM)
0.300 (7.6MM)
0.025(0.6mm) TO 0.037 (0.9mm)
0.395(10mm) TO 0.400 (10.2mm)

E MAXIMUM SIDE REACH OVER AN OBSTRUCTION

CLEAR FLOOR SPACE

PARALLEL APPROACH

Figure 307.2 Limits of Protruding Objects

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

BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

- FEDERAL STANDARD 595B. 2. CBC 2022 (11B-703.7.1): SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK
- 3. CBC 2022 (11B-703.5.4): CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "J". CBC 2016 (11B-703.5.6) VISUAL CHARACTERS SHALL BE 40 INCHES MINIMUM ABOVE FINISH
- 4. CBC 2022 (11B-216.6): IN EXISTING BUILDINGS AND FACILITIES WHERE NOT ALL ENTRANCES COMPLY WITH SECTION 11B-404, ENTRANCES COMPLYING WITH SECTION 11B-404 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) COMPLYING WITH SECTION 11B-703.7.2.1. GC TO REFER TO CBC 11B-703 FOR FURTHER INFORMATION.

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

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

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

INSTALLATION NOTE:

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

professional

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA

Project Designer

ACC & ENGINEERING

768 N Ethan way, Anaheim

CA 92805

Phone No.: 951-903-228

Ben@accandengineering.com

www.accandengineering.com

This drawing is the property of the

below referenced professional

and is not to be used for any

purpose other than the specific

project and site named herein, and

writtenpermissionfrom

cannotbereproduced in any manner without the express



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME	LOCATION	OWN
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

**AUTHORITY HAVING JURISDICTION (AHJ)** BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS

3RD REVIEW BY ACC &

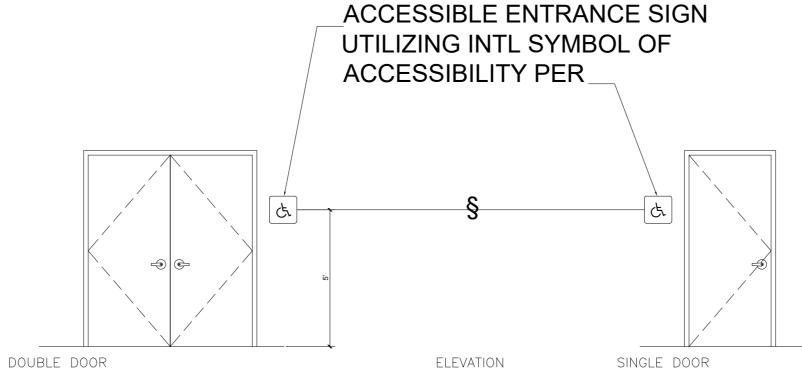
**ENGINEERING** 

SEAL / STAMP

03/10/2023

SHEET NAME ADA ACCESSIBILITY DETAILS

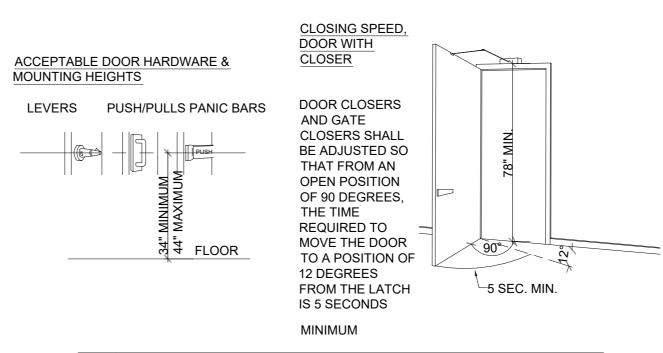
SHEET NUMBER

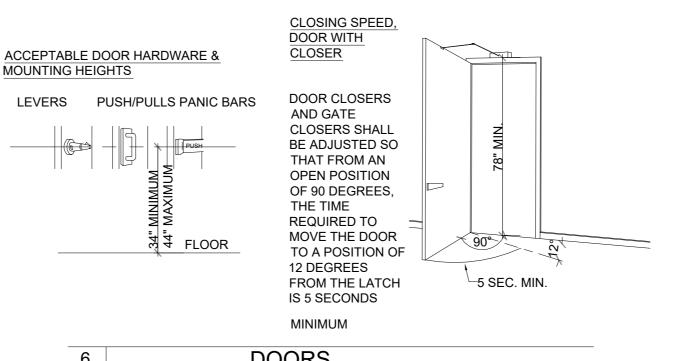


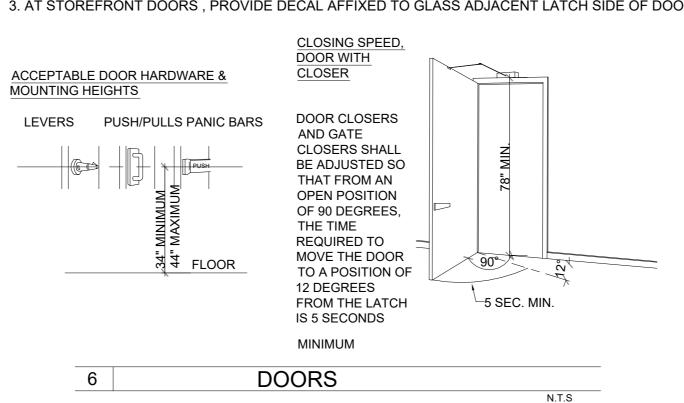
1. ATTACH SIGN USING (4) FLATHEAD COUNTERSUNK SCREWS & ADHESIVE

2. ALL SIGN SHALL BE CONSTRUCTED OF THK. SOLID PLASTIC.

3. AT STOREFRONT DOORS, PROVIDE DECAL AFFIXED TO GLASS ADJACENT LATCH SIDE OF DOOR.





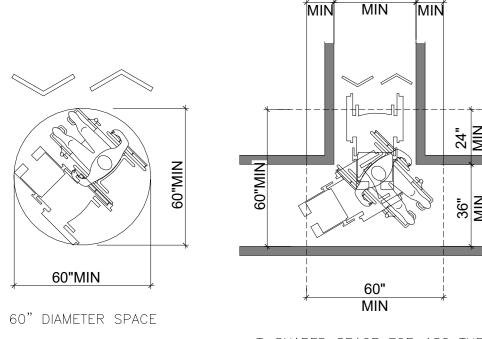


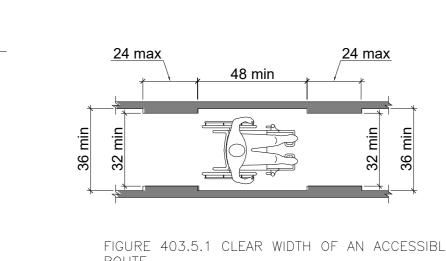
# PROVIDE PRIVACY DOOR LOCK WHEN ITS A PRIVATE TOILET OR FOR UNISEX USE ACCESSIBLE RESTROOMS

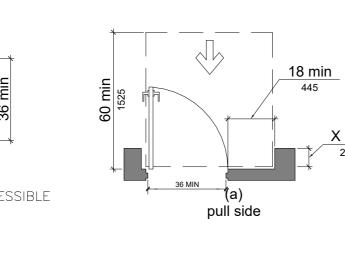
ALL GRAB BARS AND BLOCKING SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES, STANDARDS, AND LAWS.

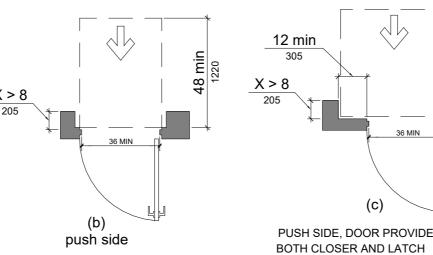
STRUCTURAL STRENGTH OF MATERIALS, FASTENERS, MOUNTING DEVICES, AND SUPPORTING STRUCTURES SHALL

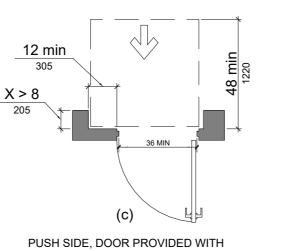
RESIST A SINGLE FORCE OF 250 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ON THE GRAB BAR, FASTENR, MOUNTING

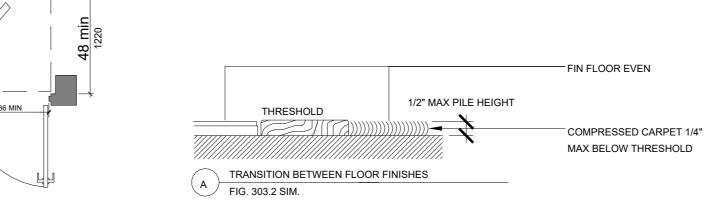


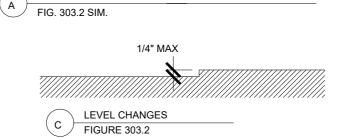


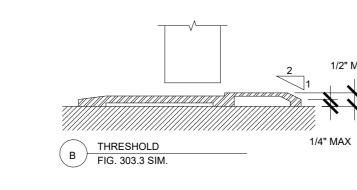












**REACH RANGES** 



HIGH AND LOW

SIDE REACH LIMITS

ALL INTERIOR CONSTRUCTION WITHIN THE SCOPE OF THIS PROJECT IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE ADA STANDARDS FOR ACCESSIBLE DESIGN. SECTIONS INDICATED ON THIS REFERENCE THE AFOREMENTIONED DOCUMENT. REFER TO SHEET G2.0 FOR ALL ACCESSIBLE NOTES.

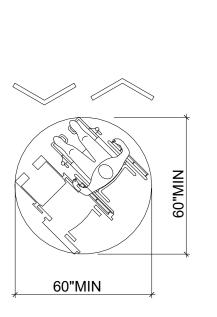
1. X SHALL BE  $\leqslant$  25 INCHES; Z SHALL BE  $\geqslant$  X.

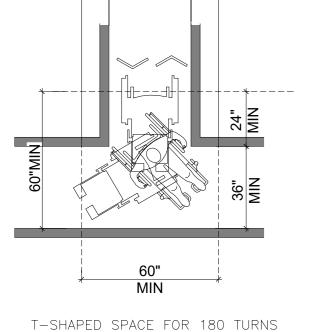
2. WHEN X < 20 INCHES, THEN Y SHALL BE 48 INCHES MAXIMUM.

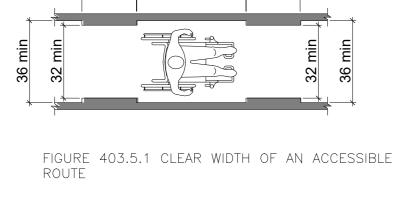
| B | MAXIMUM FORWARD REACH OVER AN OBSTRUCTION

N.T.S

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



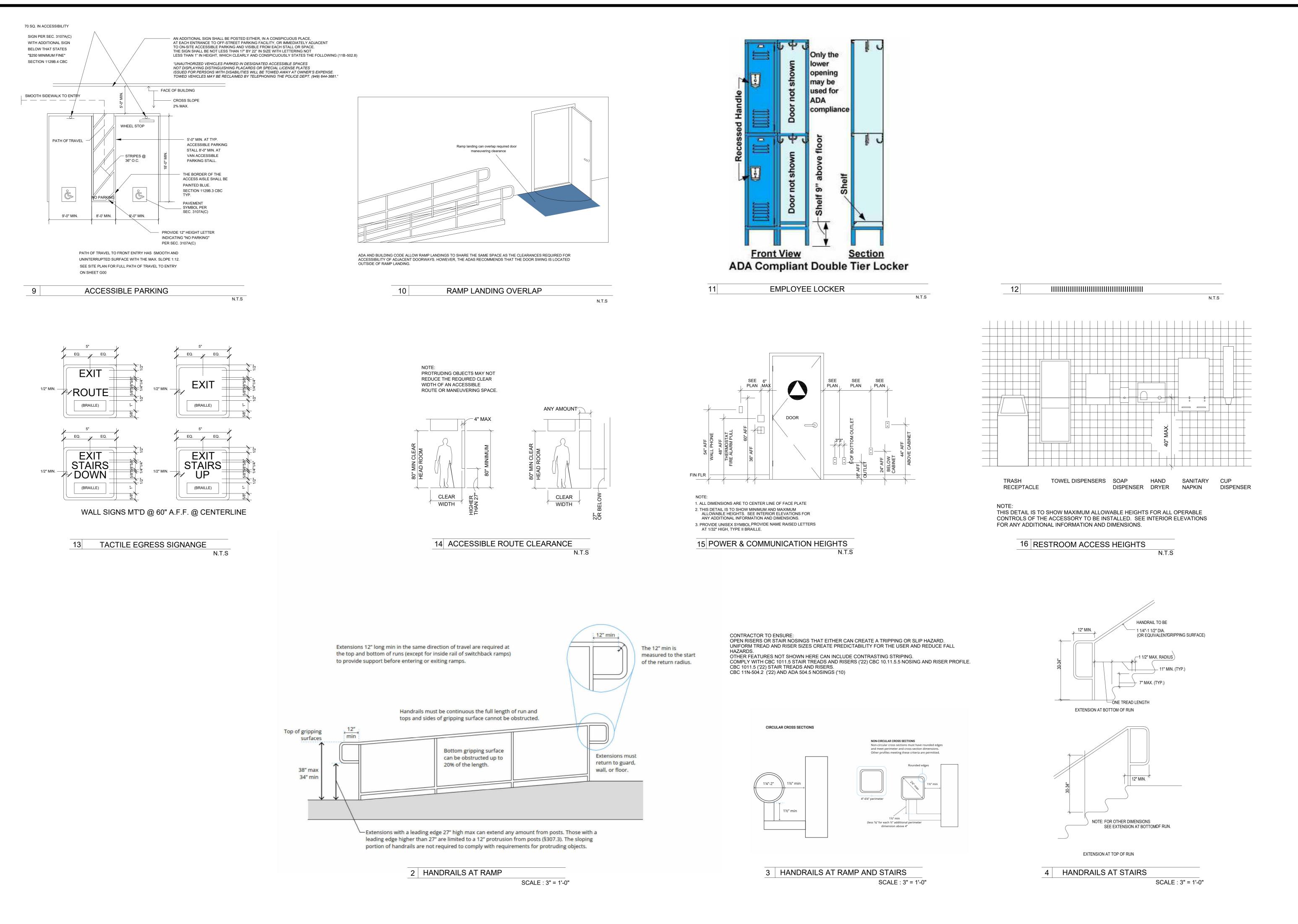




SECTION

LAVATORIES







Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannotbere produced in any manner without the express writtenpermission from

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER

AUTHORITY HAVING JURISDICTION (AHJ)					
BUILDING DIVISION   CITY OF NEWPORT BEACH					
REVISIONS HISTORY					
PLAN CHECK#PC2022-2340					
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022				
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022				
3RD REVIEW BY ACC & ENGINEERING	03/10/2023				

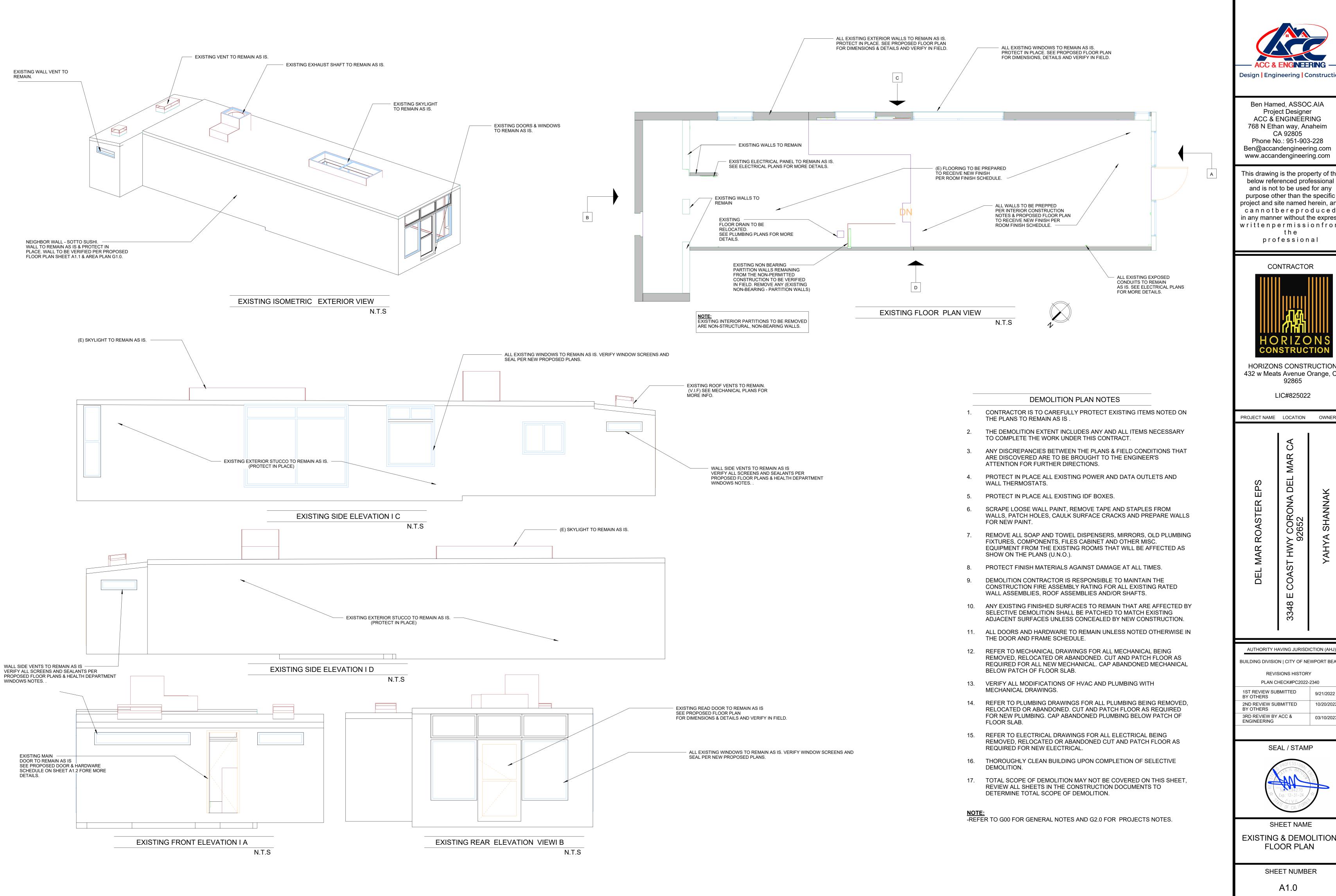


SHEET NAME
ADA ACCESSIBILITY

SHEET NUMBER

DETAILS

G2.2





Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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





HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

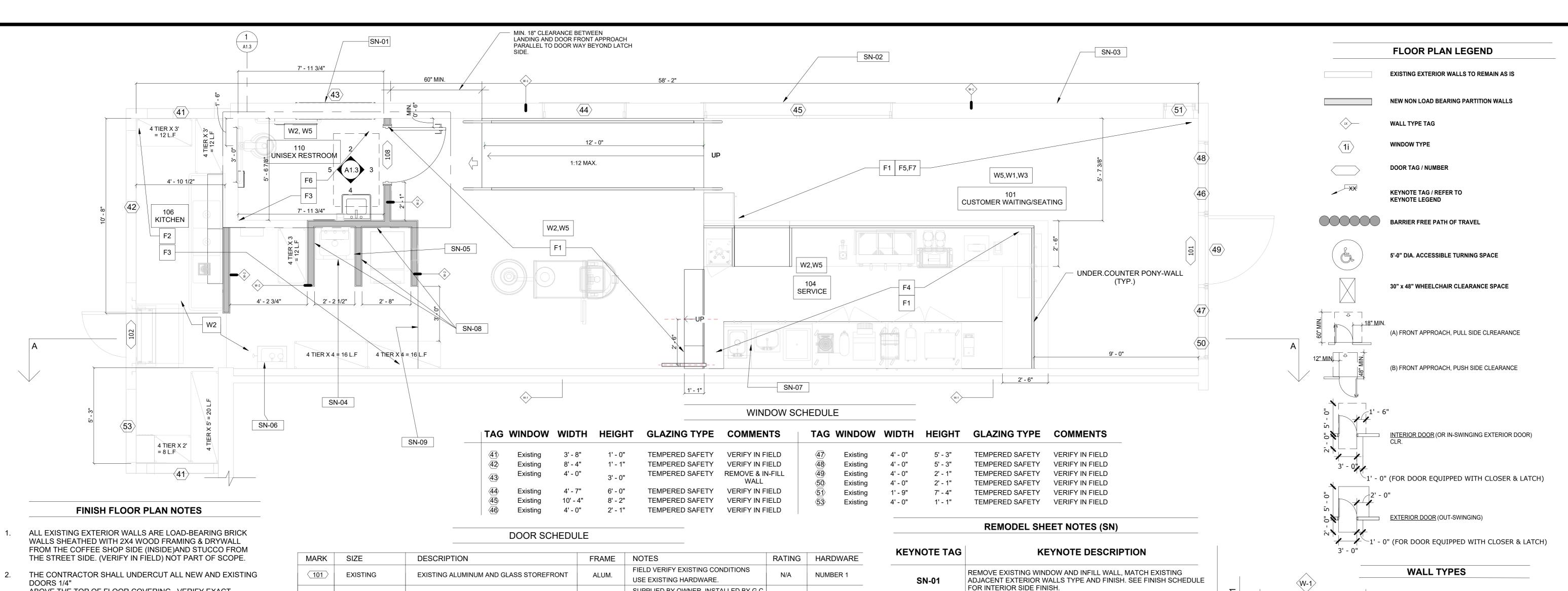
PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 2ND REVIEW SUBMITTED 10/20/2022 03/10/2023

SEAL / STAMP



**EXISTING & DEMOLITION** 



ABOVE THE TOP OF FLOOR COVERING. VERIFY EXACT THICKNESS OF ALL NEW FLOOR COVERINGS WITH ACC & ENGINEERING PRIOR TO UNDERCUTTING

ALL EXISITNG WINDOWS ARE IN GOOD SHAPE AND TO REMAIN AS IS U.N.O.

NEW WALLS ARE CALLED OUT TO BE INSTALLED PER THIS

EXISTING DOORS & HARDWARE TO BE VERIFIED IN FIELD TO

DRAWINGS AND DETAILS.

MATCH THE DOORS SCHEDULE.

NEW DOORS & HARDWARE ARE CALLED OUT IN THE DOORS SCHEDULES AND TO BE INSTALLED PER THIS DRAWINGS AND

ALL FINISHES TO BE PER SPECIFIC PROJECT'S NOTES ON SHEET G-001 U.N.O.

INTERIOR FINISHING TO BE PER ROOM FINISH SCHEDULE ON THIS SHEET.

CONTRACTOR TO COORDINATE WITH MECHANICAL, PLUMBING. ELECTRICAL DRAWINGS PRIOR TO CLOSING WALLS & OR CUTTING ANY COMPONENETS .REFER TO PLUMBING DRAWINGS FOR ALL FLOOR SINK AND FLOOR DRAIN LOCATIONS - PREPARE AND INSTALL ALL FLOOR PENETRATIONS PER MANUFACTURER'S DETAILS - FIXTURES MUST BE CLAMPING-TYPE - USE APPROPRIATE WATERPROOF SEALANT AND FOAM BACKER TO SEAL SPACE AROUND PENETRATIONS.

PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS U.N.O.

SCRAPE LOOSE WALL PAINT, REMOVE TAPE AND STAPLES FROM WALLS, PATCH HOLES, CAULK SURFACE CRACKS AND PREPARE WALLS FOR NEW PAINT.

SEE NOTES ON SHEET G-001 FOR MORE INTERIOR

CONSTRUCTION REQUIRTMENTS. ALL AREAS TO RECEIVE MILLWORK SHALL BE FIELD MEASURED PRIOR TO CONSTRUCTION.

ALL CABINET WORK SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE WOODWORK INSTITUTE OF

CALIFORNIA AND THE LATEST EDITION OF THE "W.I.C. MANUAL OF MILLWORK", PREMIUM GRADE. HORIZONTAL DIMENSIONS ARE TO FINISH FACE OF WALL OR FACE OF CONCRETE UNLESS OTHERWISE NOTED. VERTICAL

DIMENSIONS AND ELEVATIONS ARE TO FINISH MATERIALS UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY EQUIPMENT ROUGH-IN REQUIREMENTS WITH THE EQUIPMENT MANUFACTURERS.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORT FOR ALL FIXTURES, EQUIPMENT, CABINETRY, FURNISHINGS AND ALL OTHER ITEMS.

SUPPLIED BY OWNER, INSTALLED BY G.C. N/A NUMBER 2 CUSTOM SALES COUNTER MILLWORK GATE WOOD KNOCK-DOWN PRIMER GRADE FRAME NUMBER 3 3'-0" x 7'-0" x 1 3/4" NEW SOLID CORE WOOD (PAINT GRADE) PAINTED P4 ALL SIDES FIELD VERIFY EXISTING CONDITIONS N/A NUMBER 4 **EXISTING** EXISTING ALUMINUM AND GLASS STOREFRONT ALUM. USE EXISTING HARDWARE.

HARDWARE SET	DESCRIPTION	QT
1	LOCKSET W/ LEVER HAND OR REPLACE CYLINDER	1 EA
	SIGN: "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED" CLOSER HINGES THRESHOLD	1 EA 1 EA 1 SE
	ADA COMPLIANT OFFSET SADDLE W/ THERMAL BREAK PUSH/ PULL BAR WITH PADDLE HANDLE	1 EA
2	DOUBLE ACTION KITCHEN HINGES REFER TO DETAIL 5/A1.1	1 SI
3	HINGES PRIVACY LOCK SET LEVER HANDLE CLOSER SIGN "MEN" / "WOMEN" (DECOR BY OWNER) ACCESSIBLE SIGN "MEN" / "WOMEN" (BY CONTRACTOR)	1 S 1 E 1 E
	DOOR / WALL STOP - REFER TO A1.0 8" HIGH KICK PLATE (BRUSHED SS FINISH) ONE ON EACH SIDE	1 E
4	NOTE: FIELD VERIFY EXISTING DOOR CONDITIONS AND REUSE IF ALLOWABLE PANIC HARDWARE / PUSH BAR EXTERIOR STRIKE GUARD PLATE / VIEWER / CLOSER / THRESHOLD 36" HIGH 14 GA STEEL DIAMOND PLATE KICK PLATE ON INTERIOR SIDE	1 E 1 E 1 E

HARDWARE SCHEDULE

REFER TO **DISABLED ACCESS REQUIREMENTS (DOORS, GATES & HARDWARE )** SECTION ON SHEET G2.0 FOR MORE NOTES.

MAXIMUM FORCE FOR PUSHING OR PULLING OPEN, EXTERIOR OR INTERIOR HINGED DOORS WITH CLOSERS AND SLIDING OR FOLDING DOORS, SHALL NOT EXCEED FIVE POUNDS.

THRESHOLDS SHALL BE 1/2" HIGH MAX. RAISED THRESHOLDS AND CHANGES IN LEVEL A DOORWAYS SHALL COMPLY WITH SECTION 11B-302 AND 11B-303. (11B-404.2.5)

HARDWARE NOTES

1. ALL HARDWARE NEW AND EXISTING SHALL BE IN ACCORDANCE WITH LOCAL AND STATE ACCESSIBILITY STANDARDS, AND AMERICANS WITH

ADJACENT TO THE DOOR STATING, "THIS DOOR TO REMAIN UNLOCKED WHILE THIS SPACE IS OCCUPIED".

2. A READILY VISIBLE, DURABLE SIGN IS POSTED ON THE EGRESS SIDE OR

3. EGRESS DOORS TO BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR ANY REQUIRED SPECIAL KNOWLEDGE OR

4. EGRESS DOOR LOCK AND LATCHES SHALL COMPLY WITH ALL LOCAL AND STATE CODE REQUIREMENTS.

## MATERIAL INFORMATION

SCOFIELD CONCRETE PRODUCTS/ 1-800-800-9900 FORMULA ONE LIQUID DYE CONCENTRATE SEALED WITH FINISH HARDENER: FORMULA ONE LITHIUM DENSIFIER. A CERTIFIED SCOFIELD INSTALLER IS RECOMMENDED, CONTACT CUSTOMER SERVICE FOR LOCAL INSTALLER AT THE NUMBER SPECIFIED ABOVE \*REFER TO THE ADDITIONAL CONCRETE FLOOR FINISH NOTES.

QUARRY TILE, WALL TILE & TILE COVE BASE & SETTING MATERIAL

CREATIVE MATERIALS CORPORATION (CMC) MAPEI or EQUAL AMY BURKE / 518-713-5386

ABURKE@CREATIVEMATERIALSCORP.COM

LIGHTLY SAND W/ 220 GRIT SANDPAPER & PAINT 'P4'

MARILITE / 330-343-6621

FRP SHALL BE PROVIDED ON ALL WALLS AT FULL HEIGHT IN THE KITCHEN AT 3 COMP. SINK, SCULLERY & JANITOR AREAS.

WINDOW SHADES

SHEER WEAVE 2390 (5%) V20 PEARL GRAY OR EQUAL

SHERWIN WILLIAMS / 214-728-6696, REFERENCE PARENT CODE #3729 REFER TO SHEET A3.0 FOR LOCATIONS

ADDITIONAL MATERIAL FINISH NOTES:

1. ALL FINISH MATERIALS TO COMPLY W/ THE FLAME SPREAD CLASSIFICATION RATING AS SPECIFIED IN THE BUILDING CODES INDICATED ON THE COVER SHEET,

## ADDITIONAL CONCRETE FLOOR FINISH NOTES:

1. THE G.C. SHALL INSPECT THE EXIST. FLOOR PRIOR TO ANY INSTALLATION PROCEDURES & NOTIFY ACC OF ANY SERIOUS DEFECTS W/ THE EXIST. FLOOR THAT WOULD WARRANT THE INSTALLATION OF A FLOOR LEVELING

MECHANICALLY GRIND FLOOR & EDGES W/ 50-HYBRID DIAMONDS TO BEGIN PROCESS OF PROFILING THE CONC. CLEAN & PATCH FLOOR.

MECHANICALLY GRIND FLOOR & EDGES W/ 100-HYBRID DIAMONDS TO BEGIN THE PROCESS OF PROFILING THE CONC.

MASK OFF WALLS AND APPLY SCOFIELD FORMULA ONE LIQUID DYE CONCENTRATE TO FLOOR. APPLY SCOFIELD FORMULA ONE LITHIUM DENSIFIER TO FLOOR.

MECHANICALLY GRIND FLOOR & EDGES W/ 400/800-HYBRID DIAMONDS TO BEGIN PROCESS OF POLISHING THE CONC.

APPLY (1) ONE COAT OF SCOFIELD CONCRETE GUARD - BURNISH FLOOR W/ 1500 GRIT DIAMOND PADS. 9. APPLY SECOND COAT OF SCOFIELD FORMULA ONE GUARD & BURNISH W/ 3000 GRIT DIAMOND PADS.

ADDITIONAL QUARRY TILE FINISH NOTES:

1. EDGE PROFILE @ QUARRY TILE - REFER TO DETAIL 3/A1.2

## ROOM FINISH SCHEDULE

5/8" TYPE 'X' GYP. BD.

5/8" TYPE 'X' GYP. BD.

**EXISTING WALL TO REMAIN (WALL CONSTRUCTION VARIES** 

FIELD VERIFY EXIST. CONDITIONS & REPAIR AS REQUIRED

@ 24" O.C. SEE A4.0 & A5.0 FOR CONSTRUCTION DETAILS

3 5/8" 25 GA. MTL. STUDS (DIETRICH, ICC/ESR 2457)

ROOM#	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
101	CUSTOMER WAITING/SEATING	F1	F5,F7	W5,W1,W3	C1	-
104	SERVICE	F1	F4	W2,W5	C1	-
106	KITCHEN	F2	F3	W2	C1	FRP ALL UP TO CEILING
110	UNISEX RESTROOM	F6	F3	W2, W5	C1	FRP ALL AROUND UP TO 5' A.F.F
105	HALLWAY	F1	F7	W5	C1	-

## ROOM FINISH NOTES

EXISTING WINDOWS TO REMAIN. SEE WINDOW SCHEDULE FOR MORE

EXISTING WALLS TO REMAIN AS IS AND PROTECTED IN PLACE. U.N.O.

PROVIDE 2" SPACING OR 8" SIDE RETURN BETWEEN SINK AND WALL.

MUST EXTEND TO THE EDGE OF THE HAND SINK.

INSIDE WALLS AT ICE-MACHINE ENCLOSURE AND SINK-MOP TO BE FRP OR CERAMIC

THIS POINT PER FINISH SCHEDULE

THE SIDE SPLASH GUARD FOR THE HAND SINK MUST BE 6" MIN. AND

THE SIDE SPLASH GUARD BETWEEN THE ONE COMP. SINK AND HAND

SINK. MUST BE 6" AND MUST EXTEND TO THE EDGE OF THE HAND SINK.

ALL WALLS TO RECEIVE FRP ALL THE WAY UP TO THE CEILING BEYOND

**SN-05** 

**SN-07** 

10" HIGH MOLDED STONE BASIN AROUND MOP SINK - REFER TO DETAIL

REFER TO SHEETS A3.0 FOR PAINT AND FINISH MATERIAL LOCATIONS COUNTERTOP TO BE QUARTZ. REFER TO CASEWORK DETAILS FOR MORE INFO.

FINISH TYPES

PATCH, REPAIR AND REFINISH EXISTING FOH CONCRETE FLOOR WITH NEW COLOR, EPOXXY, AND ANTI-SLIP POLYURETHANE GLOSS SEAL, INSTALLED PER MANUFACTURER SPECIFICATIONS.

A. 75# TEXTURE 50 ANTI-SLIP

B. METALLIC COLOR T.B.D

C. POLYURETHANE HS PART A & B, EZ, CLEAR D. A RESIN, CLEAR TOP SHELF EPOXY PART A & B

FLOORS F1) EXISTING CONCRETE SLAB TO BE DYED: COLOR:DRIFTWOOD #1395 OR T.B.D.

F2) 6x6 QUARRY TILE (HARD, SMOOTH UNDER ALL EQUIPMENT AND ABRASIVE IN WALL WALKWAYS, NON ABSORBENT)

F3) CMC 6X12 COVE BASE, W/ GROUT (HARD, SMOOTH UNDER ALL EQUIPMENT AND ABRASIVE IN WALL WALKWAYS, NON ABSORBENT)

F4) CMC 6X8 COVE BASE, W/ GROUT (HARD, SMOOTH UNDER ALL EQUIPMENT AND ABRASIVE IN WALL WALKWAYS, NON ABSORBENT) F5) 1X4 WOOD BASE - PAINT

F6) 20"X20" CMC, W/GROUT F7) BURKE BASE. 6" COVED RUBBER BASE. COLOR T.B.D

W1) 1X6 BC SOUTHERN YELLOW PINE 10'-12' LONG BOARDS - SANDED UP TO 220 GRIT. (1) COAT (SEMI TRANSPARENT STAIN

COLOR T.B.D) - (2) COATS OF MINWAX FAST DRYING POLYURETHANE CLEAR SATIN - PROVIDED & INSTALLED BY CONTRACTOR W2) (F.R.P.) (FIBERGLASS REINFORCED PANELING) PEBBLED FINISH - #P199, COLOR: WHITE

W3) PLASTIC LAMINATE, MATTE SURFACE- COLOR: T.B.D

W5) WALL SURFACE FINISH- LEVEL 03 TEXTURED FINISH: ORANGE PEEL

PAINT SCHEDULE

(P-1) COLOR: T.B.D, PROMAR 200 ZERO VOC SEMI-GLOSS

CEILING TO REMAIN AS IS ( GYPSUM BOARD PAINTED )



Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER  $\infty$ 

**AUTHORITY HAVING JURISDICTION (AHJ)** BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 **ENGINEERING** 

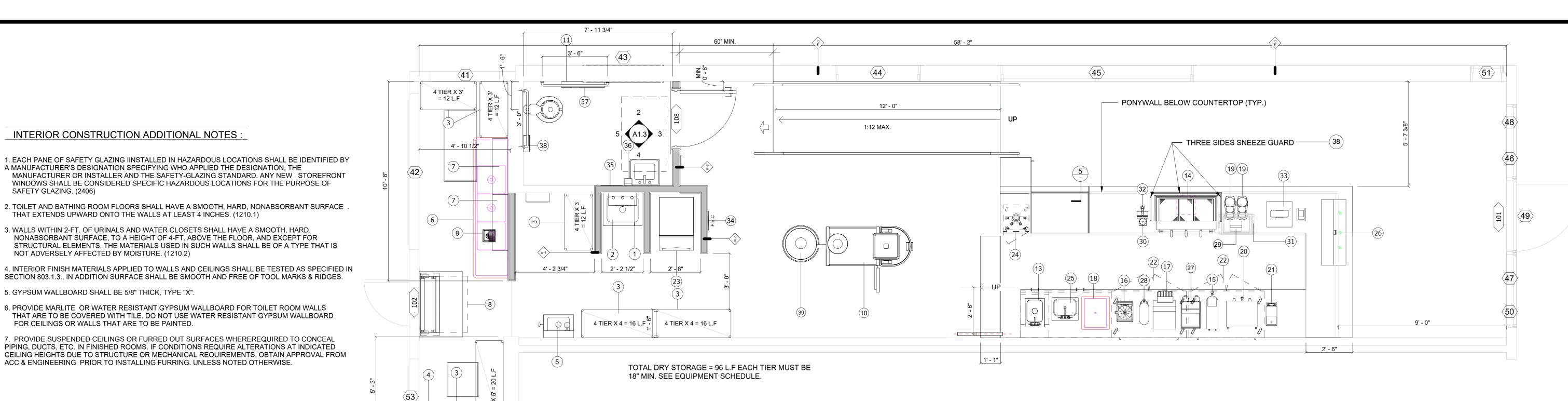


SHEET NAME PROPOSED FLOOR PLAN

SHEET NUMBER

P.I.P: PROTECT IN PLACE. V.I.F: VERIFY IN FIELD.

U.N.O: UNLESS NOTED OTHERWISE.



● 10" HIGH MOLDED STONE BASIN (MOP SINK) CONT. BEAD SILICONE ● 6" CONT. INTEGRAL COVED ● 6" QUARRY TILE (QT-1)

INTERIOR CONSTRUCTION ADDITIONAL NOTES:

THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4 INCHES. (1210.1)

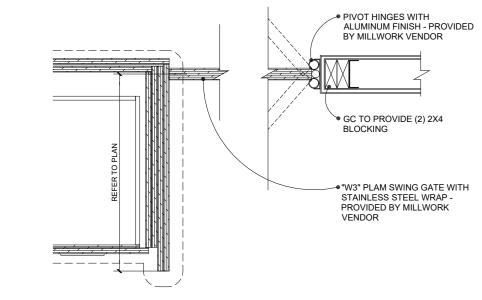
NOT ADVERSELY AFFECTED BY MOISTURE. (1210.2)

5. GYPSUM WALLBOARD SHALL BE 5/8" THICK, TYPE "X".

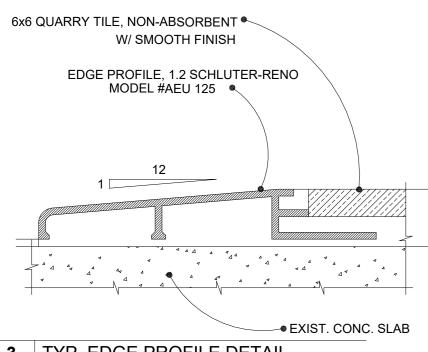
FOR CEILINGS OR WALLS THAT ARE TO BE PAINTED.

SAFETY GLAZING. (2406)

## EXIST. CONC. SLAB 4 MOP SINK BASE DETAIL N.T.S



5 TYPICAL SWING GATE DETAIL N.T.S



N.T.S

3 TYP. EDGE PROFILE DETAIL

NOTES:

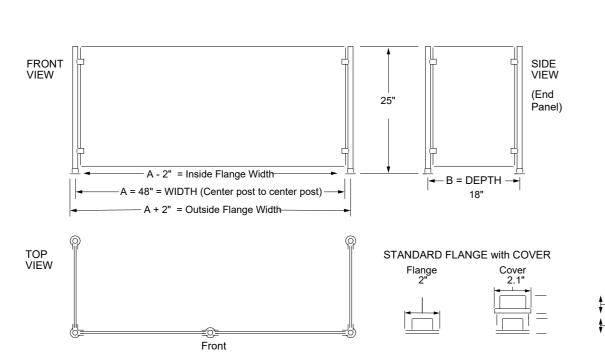
- VERIFY DEMISING WALLS ARE FULL HEIGHT TO DECK - NOTIFY E.O.R OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

- PROVIDE MOISTURE RESISTANT GYP. BD. AT WET

= 8 L.F

- INSTALL GYP. BD. CONTROL JOINTS AS NEEDED TO PREVENT CRACKING

- PROVIDE FINISHES PER ROOM FINISH SCHEDULE



## SPECIFICATIONS

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

2 ESPRESSO COUNTER SNEEZE GUARD N.T.S

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

2. LIGHT FIXTURES IN FOOD PREPARATION, OPEN FOOD STORAGE AND UTENSIL WASHING AREAS ARE TO BE OF SHATTER-PROOF CONSTRUCTION OR PROTECTED AGAINST BREAKAGE THROUGH THE USE OF PLASTIC LIGHT SHIELDS OR OTHER APPROVED DEVICES.

3. EXTERIOR DOOR SHALL BE SELF CLOSING AND FIT TO A MAXIMUM 1/4 INCH AT THE BASE AND SIDES.

4. HAND WASHING CLEANSER AND SINGLE-USE TOWELS SHALL BE PROVIDED AT EACH HAND WASH SINK.

5. PROVIDE AN ACCURATE THERMOMETER AND SANITIZER STRIPS.

OR WHEELS.

6. TOILET ROOMS AND DRESSING ROOM DOORS SHALL BE WELL FITTING AND SELF CLOSING.

7. SEAL ALL CRACKS, CREVICES AT COUNTERS, CABINETS, AROUND METAL FLASHING, SINK BACKSLPASHES, AROUND PIPES AND CONDUITS WITH SILICONE SEALANT.

8. PROVIDE AN AREA OR CABINET FOR STORAGE OF CLEANING EQUIPMENT / SUPPLIES AWAY FROM FOOD PREPARATION / STORAGE, AND UTENSIL WASHING AREA.

9. A ROOM ENCLOSURE, OR DESIGNATED AREA SHALL TO BE PROVIDED WHERE EMPLOYEES MAY CHANGE AND STORE THEIR CLOTHING AND PERSONAL ITEMS.

FOODSERVICE EQUIPMENT SCHEDULE

IARK	DESCRIPTION	MANUFACTURER	MODEL NO.	<b>SIZE</b> (W) X (H) X (D)	REMARKS
1	TANKLESS WATER HEATER	NORITZ	GQ-C5032WF-	18.9" X 32.7" X 14.2"	SEE PLUMBING SHEETS FOR WATER HEATER CALCULATIONS & CAPACITY
2	MOP SINK, MOP RACK & SHELF	GSW	SE2024FM	24" x 14" x 21"	WITH MOP RACK & CHEMICAL SHELF
3	DRY STORAGE SHELVES ( 96 L.F )	EAGLE GROUP	4 SHELF/QT 1836-6	VARIOUS / PER PLAN	SEE PLANS FOR SIZES & TIERS / NSF APPROVED
4	LOCKERS	GSW	ELS-5DR-LOCKER	16"L x 12"W x 77"H	6"H. ADJUSTABLE LEGS
5	HAND SINK / ADA COMPLIANT	GSW	HS-0810S	W x L x H (in) 12-1/4 x 12 x 12-3/4	WITH SPLASH GUARD / SOAP & TOWEL DISPENSE
6	3 COMP. SINK W/ 18" DB	GSW	SE18183D	24" X 90" X 45"	D.B LEFT & RIGHT SEE PLUMBING SHEETS
7	WALL SHELF ABOVE SINK	GSW	WS-W1424	36" W X 10" D	OR EQUAL
8	AIR CURTAIN	MARS CURTAIN	LPN236-1U LoPro		UN-HEATED (NSF APPROVED -TO 8' IN HEIGH)
9	FLOOR SINK	REFER TO PLUMBING			REFER TO PLUMBING SHEETS
10	ROASTER EQUIPMENT	DIETRICH ROASTERS	IR-12	56.25" X 48 1/8" X 75.5"	INSTALLATION PER MANUFACTURER.
12	BACK QUARTZ COUNTERTOP	WILSONART	T.B.D	PER PLAN	PER PLAN & CASEWORK NOTES
			PB DISINK D1405		DECK MOUNT FAUCET & SIDE SPLASH L & R/SEE
13	DROP-IN HAND SINK	JOHN BOOS	-PSSLR	14" X 10" X 5"	PLUMBING SHEETS
14	ESPRESSO MACHINE	BLACK EAGLE 3 GROUP	VICTORIA ARDUINO	43" X 20" X 28"	SNEEZE GLASS GUARD BY GC
15	HOT WATER DISPENSER	CURTIS	63 - WB5NB	7.50" x 25.75" x 24.38"	5.0 GALLON NARROW DISPENSER WITH AERATION
16	BLENDER	VITAMIX COMMERCIAL	36019	8.5" X 18" X 10.7"	HEIGHT WITH LID OPEN: 24.5 IN.
17	TOASTER - CONVEYOR WARMING	WARING COMMERCIAL	CTS1000	15.5" X 13.5 X 18.5"	PRODUCT DATA SHEET ATTACHED REF - A-2
18	DROP-IN ICE BIN	ADVANCE TABCO	22"LX18"W	18" X 14" X 21"	UP-MOUNT OE EQUAL
19	MALKONIG COFFEE GRINDER	MALKONIG	EK43	9" x 32" x 16"	MOUNTING PER MANUFACTURER
20	COFFEE BREWER	CURTIS TWIN	G4TP1T10A3100	20.07" x 24.98" x 20.75"	TWIN COFFEE BREWER WITH 1.0 GALLON TXSG0101S600 WITHOUT BASE
21	MYTHOS COFFEE GRINDER	MYTHOS	CLIMA PRO MODEL ONE	7.6" X 20.1" X 15.8"	
22	UNDERCOUNTER REFRIGERATOR	TRUE	TUC-48	48.1" X 35.9" X 30.01"	5" CASTORS
23	ICE MACHINE	MANITOWOC	iT0620	22.00" x 71.50" x 34"	HEIGHT INCLUDES ADJUSTABLE BIN LEGS 6.00"
24	KEGERATOR - 2 TAP	EDGESTAR	KC2000TWIN	20" X 33.5" X 24.75"	KEGERATOR FRIDGE UNDERCOUNTER FAUCET THRU COUNTERTOP
25	SINGLE BOWL DROP IN SINK	ADVANCE TABCO	SS-1-1715-10	17" X 15"	10" BOWL DEPTH / SEE PLUMBING SHEETS
26	DISPLAY CASE	CAL-MIL	3695-84 SIERRA	42" x 23" x 17"	CLEAR PLASTIC PANELS FOR VISIBILITY/NO GLAS
27	TURKISH COFFEE MACHINE	ARZUM	OKKA	9" X 11"	AUTOMATIC COFFEE MACHINE / NSF LISTED
28	ICE TEA DISPENSER	BUNN - TDO-N-3.5	39600.0001	6.25" X 21.6" X 13.5"	NSF LISTED
29	KNOCK BOX	BARISTA BASICS	BB25102	6" x 5.5" x 4"	OPEN BOTTOM FOR PASSING GROUNDS STRAIGH THROUGH TO UNDER-COUNTER DISPOSAL
30	PITCHER RINSER	BARISTA BASICS	EPPR715	7"W X 15" D	NSF APPROVED
31	UNDER-COUNTER TRASH CONTAINER	AMERICAN SPECIALITIES	825	30" HEIGHT	TO WALL
32	DROP IN GLASS FILLING STATION	GSW	AA-HS1214	12"X14"X3"	AA-HS157 FAUCET INCLUDED
33	ORDER TERMINAL / P.O.S.  RECESSED FIRE EXTINGUISHER CABINET	JL INDUSTRIES	COSMIC - 5E	11.5" X 25" X 5.5"	RECESSED "ADAC" HANDLE / 5 LBS
35	RECESSED PAPERTOWEL	BOBRICK	B-35903	13" X 18-15/16" X 3-5/8"	ADA MOUNTING HEIGHT PER SHEET A1.3
36	DISPENSER  BOBRICK SOAP DISPENSER	BOBRICK	B-2111	4-3/4" X 8-1/8" X 2-3/4"	ADA MOUNTING HEIGHT PER SHEET A1.3
37	BOBRICK TOILET TISSUE, WASTE REC. & SEAT COVER	BOBRICK	B-30919	28" X 14" X 4.25"	ADA MOUNTING HEIGHT PER SHEET A1.3
38	ESPRESSO MACHINE SNEEZE GUARD	HATCO CORPORATION	EP5 - 48	48" X 25" X 18"	OR EQUAL.
39	CYCLONE - FILTERATION MACHINE	DIEDRICH ROASTERS	IR-12 AUTO	21" X 25" X 9"	INSTALLATION PER MANUFACTURER



ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

Ben Hamed, ASSOC.AIA

Project Designer

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

professional

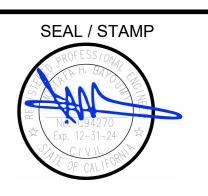


HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

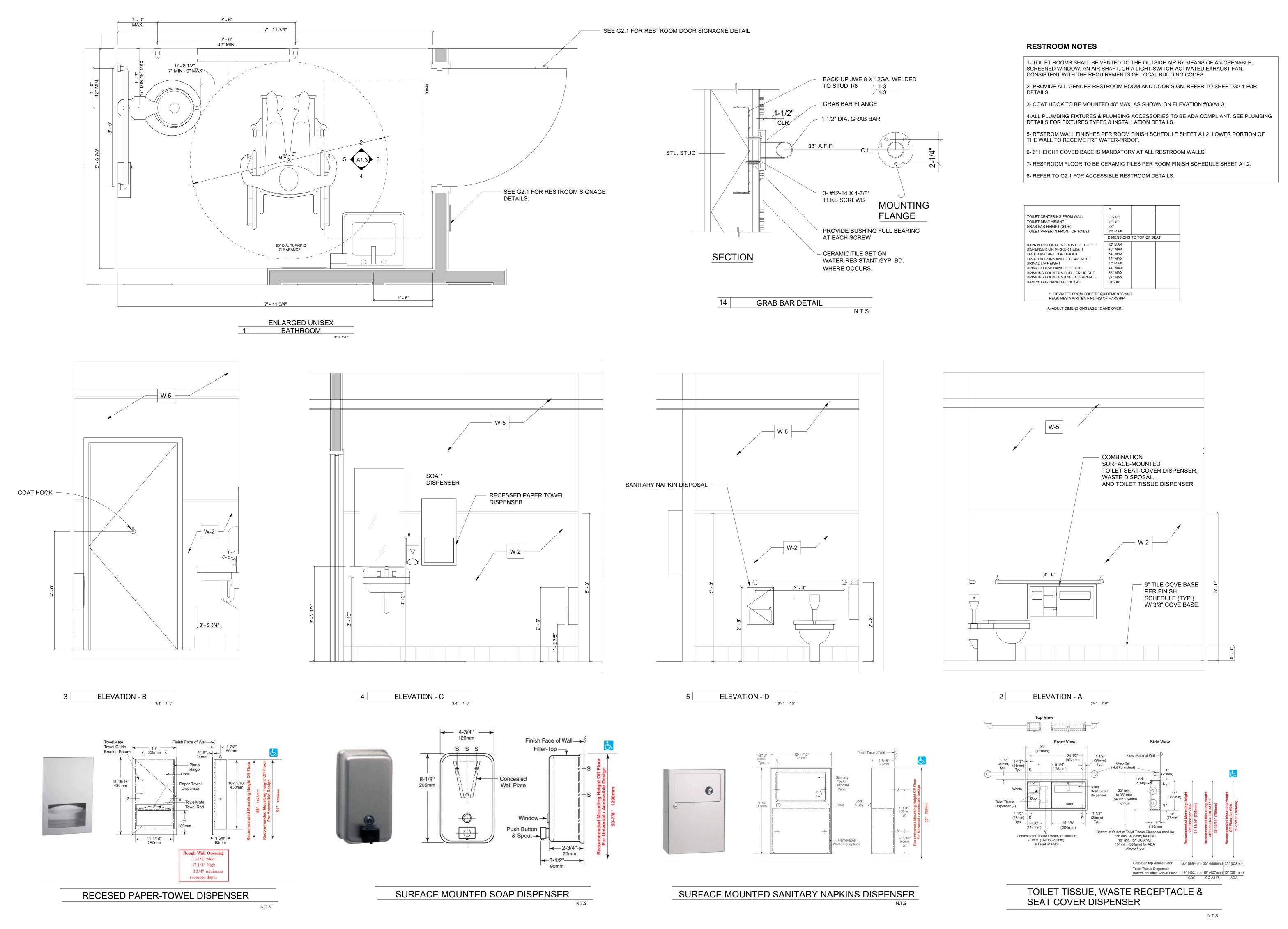
LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 ENGINEERING



SHEET NAME PROPOSED EQUIPMENT PLAN





Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express writtenpermission from

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DIVISION | CITY OF NEWPORT BEACH

REVISIONS HISTORY

PLAN CHECK#PC2022-2340

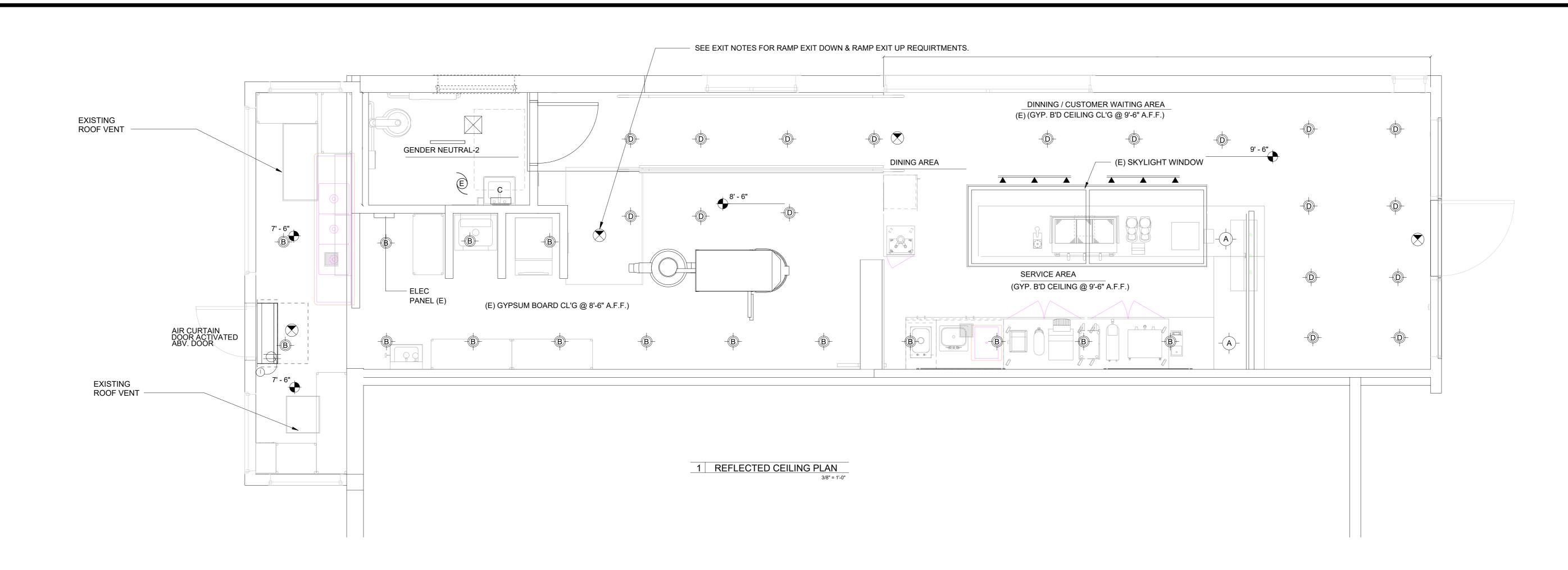
1ST REVIEW SUBMITTED
BY OTHERS
2ND REVIEW SUBMITTED
BY OTHERS
3RD REVIEW BY ACC & 03/10/2023
ENGINEERING



SHEET NAME
ENLARGED UNISEX
BATHROOM

SHEET NUMBER

A1.3



## EXITING & EGRESS NOTES

1. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.

2. EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX).

3. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS AND SECTION 2702. 1013.5

4. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. 1013.3

5. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS. 1013.6.3

6. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. SEE 1010.1.9.3 FOR EXCEPTIONS.

7. DOOR HANDLES, LOCK, AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MINIMUM OF 34" AND A MAXIMUM OF 48" ABOVE THE FINISHED FLOOR.

8. THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.

9. ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.1.9 & 1010.1.9.12.

10. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

11. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOTCANDLE AT THE WALKING SURFACE.

12. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:

A. AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.

B. CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE 2 OR MORE EXITS.

C. EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE MORE THAN TWO OR MORE EXITS.

D. INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1028.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

E. EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1010.1.6, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

EXIT SIGNS SPECIFICATIONS.

1. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUNDO COMPLY WITH THE CFC.

2. EXIT SIGNS SHALL BE ELECTRICALLY ILLUMINATED AND ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES IN THE EVENT OF FAILURE OF THIS SYSTEM, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM. EMERGENCY LIGHTING SHALL GIVE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.

3. A TACTILE EXIT SIGN WITH THE WORD "EXIT" SHALL IDENTIFY EACH GRADE LEVEL EXTERIOR EXIT DOORPER CBC.

4. TACTILE EXIT SIGNS REQUIRED BY THE CBC NEED NOT BE

PROVIDED WITH ILLUMINATION.

TACTILE EXIT SIGNS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 EACH GRADE LEVEL EXTERIOR EXIT DOOR THAT IS REQUIRED TO COMPLY WITH THE CBC SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH

THE WORD "EXIT".

2.EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH THE CBC AND THAT LEADS DIRECTLY TO A GRADE LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:

2.1 "EXIT STAIR DOWN"
2.2 "EXIT RAMP DOWN"

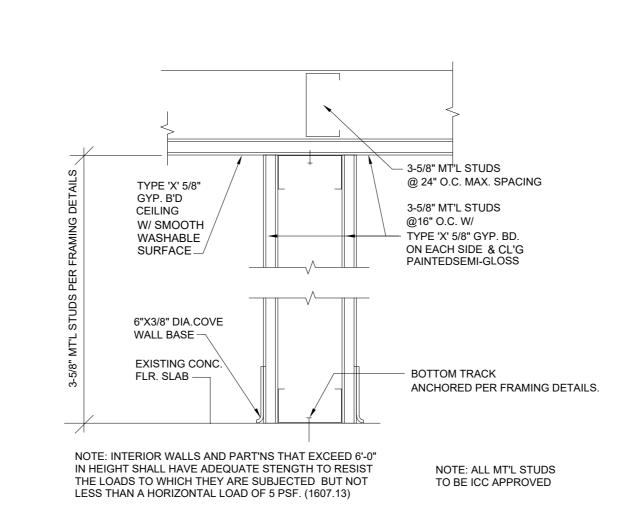
2.3 "EXIT STAIR UP" 2.4 "EXIT RAMP UP"

3.EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH THE CBC
THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN
EXIT ENCLOSURE THAT DOES NOT UTILIZE A STAIR OR RAMP, OR AN EXIT
PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGH WITH THE WORDS,
"EXIT ROLLE"

4.EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO COMPLY WITH THE CBC SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT ROUTE"

5.EACH EXIT DOOR THROUGH A HORIZONTAL EXIT THAT IS REQUIRED TO COMPLY WITH THE CBC SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "TO EXIT".

6.ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTOLUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.



14 GYPSUM BOARD CEILING DETAIL

SYMBOL	DESCRIPTION
	EXIST'G BLD'G SKYLIGHT GLASS WINDOW @ 9'-0" A.F.F.
	EXIST'G BLD'G ST'D GYP. B'D CEILING (UNLESS NOTED OTHERWISE)  14 A2.0
	NEW 48" LENGTH LITHONIA SURFACE MT'D FLUOR. MINI-STRIP @9'-6" A.F.F. 56 WATTS X 5 FIXTURES= 280 TOTAL WATTS.
-(A)-	NEW PROGRESS LIGHTING LED PENDANT @ 7'-0" A.F.F. 9 WATTS X 4 FIXTURES= 36 TOTAL WATTS.
-B	NEW 6" DIA. L.E.D. RECESSED DOWNLIGHT
- <b>D</b> -	NEW 6" DIA. L.E.D. SURFACE MT'D DOWNLIGHT @ APPROX. 8'-6" A.F.F.
<b>A A</b>	NEW WAC CHARGE 8010 TRACK HEAD EACH BULB 11 WATTS X 30 = 330 TOTAL WATTS (ELEC. ENG'R TO VERIFY)
	NEW TRACK SURFACE MT'D TO CL'G WATTS/LF = 30 LIN. FT.= TOTAL WATTS (ELEC. ENG'R TO VERIFY)
C	NEW ADELAIDE VANITY LIGHT @ 7'-0" A.F.F. 75 WATTS X 1 FIXTURE= 75 TOTAL WATTS.
Ē	EXIST'G BUILDING STANDARD RECESSED EXHAUST FAN ACTIVATED BY LIGHT SWITCH.
$\bigcirc$	EXIST'G BLD'G ST'D CEILING MOUNTED ILLUMINATED EXIT SIGN WITH A 90 MINUTE EMERGENCY BATTERY BACKUP SYSTEM. PROVIDE DIRECTIONAL ARROWS AS REQUIRED.
	EXIST'G 12"X12" RECESSED CL'G MT'D HVAC SUPPLY DIFFUSER TO REMAIN THAT COMPLIES WITH THE CALIFORNIA MECH. CODE. MAKEUP AIR IS PROVIDED



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannot bereproduced in any manner without the express writtenpermission from

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

DEL MAR ROASTER EPS

3348 E COAST HWY CORONA DEL MAR CA
92652

YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ)				
BUILDING DIVISION   CITY OF NEWPORT BEACH				
REVISIONS HISTORY				
PLAN CHECK#PC2022-2340				
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022			
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022			
3RD REVIEW BY ACC & ENGINEERING	03/10/2023			

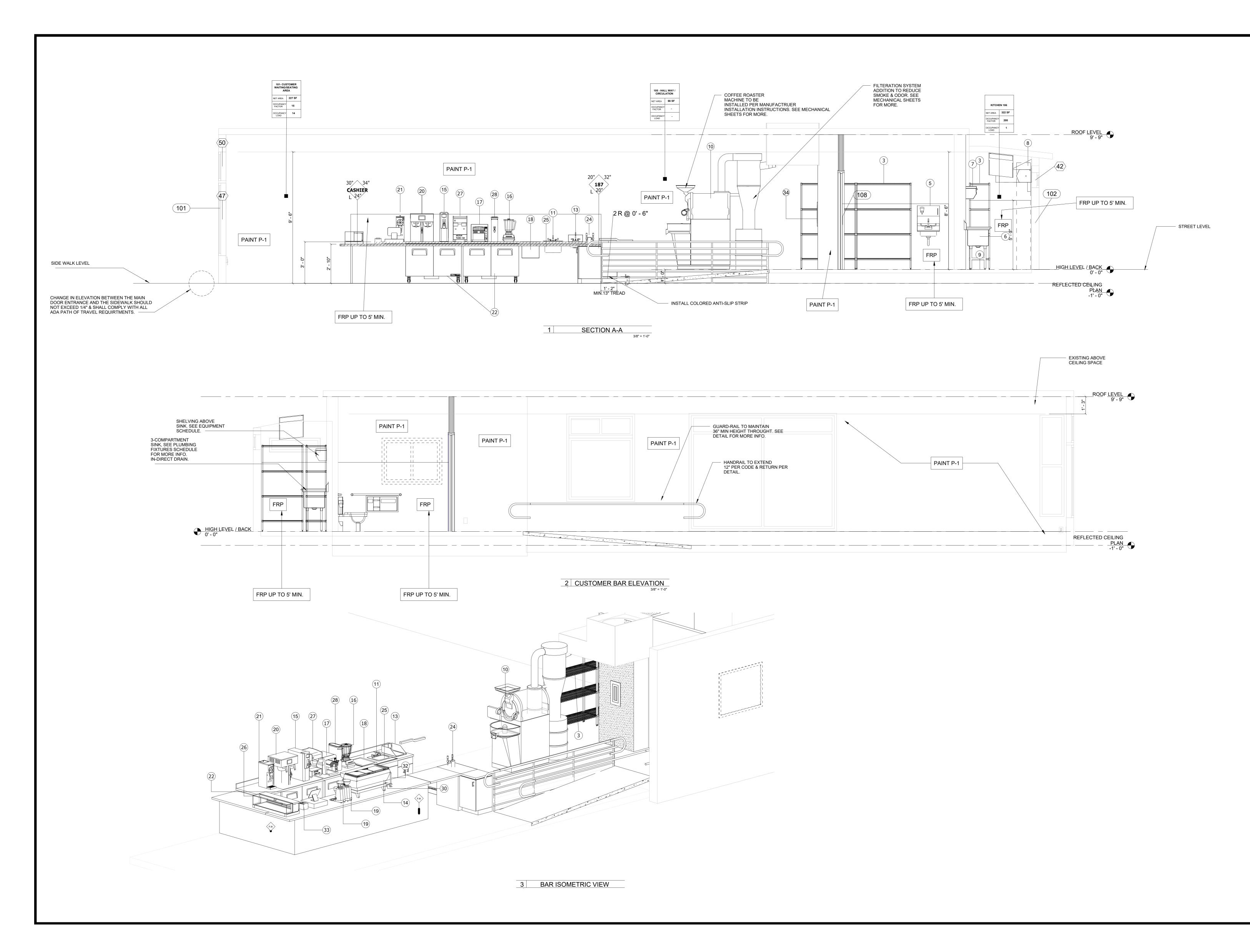


REFLECTED CEILING PLAN

SHEET NAME

SHEET NUMBER

A2.0





Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannotberg ereproduced in any manner without the express writtenpermission from the

professional

CONTRACTOR



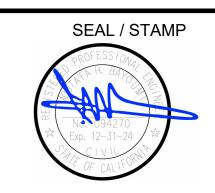
HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME LOCATION OWNER

DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK
---------------------	---	---------------

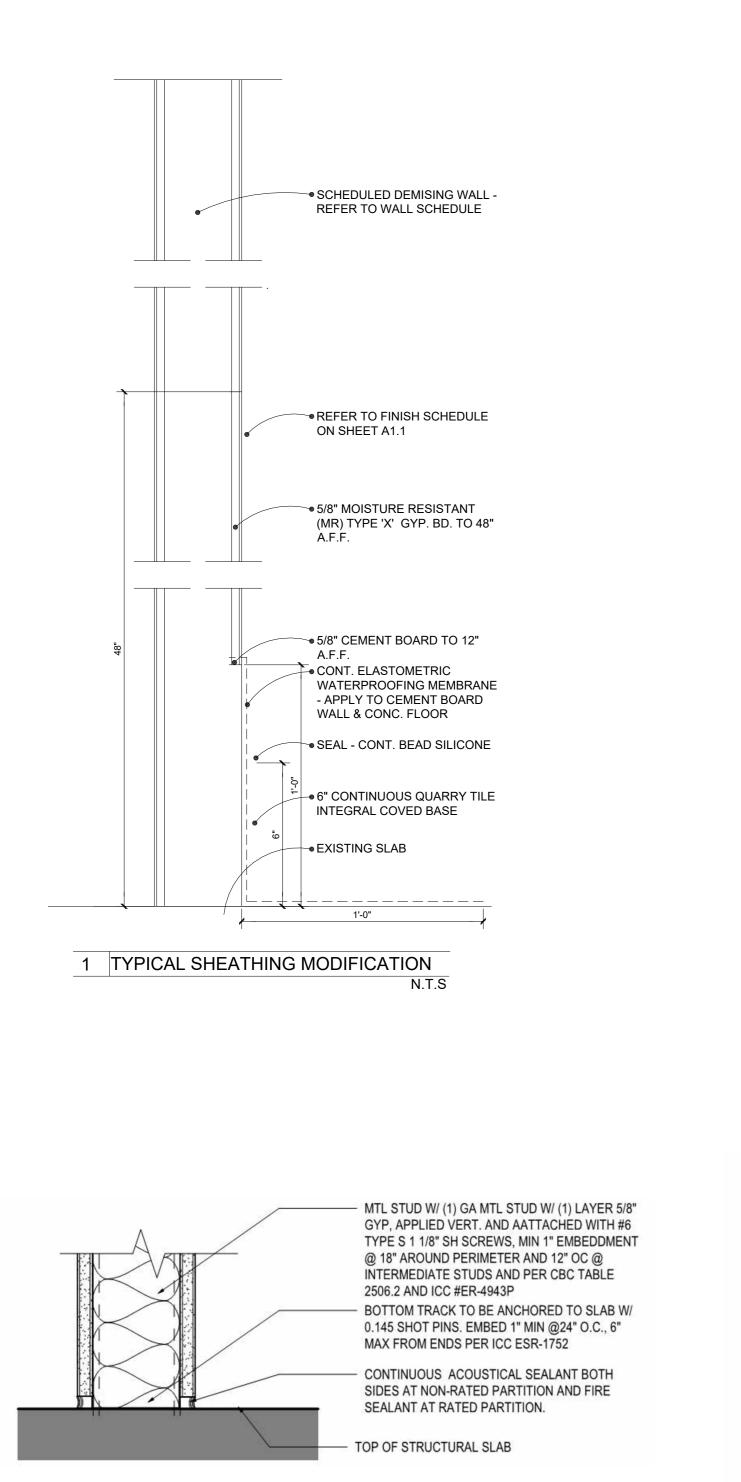
AUTHORITY HAVING JURISDICTION (AHJ)				
BUILDING DIVISION   CITY OF NEWPORT BEACH				
REVISIONS HISTORY				
PLAN CHECK#PC2022-2340				
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022			
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022			
3RD REVIEW BY ACC & ENGINEERING	03/10/2023			



SHEET NAME
INTERIOR ELEVATIONS

SHEET NUMBER

A3.0



5 BOTTOM TRACK AT TYPICAL WALL

7 FIRE EXTINGUISHER CABINET

SCALE : 3" = 1'-0"

- 1/4" SEALANT

SHIM, AS REQUIRED

BLDG STD FIRE EXTINGUISHER

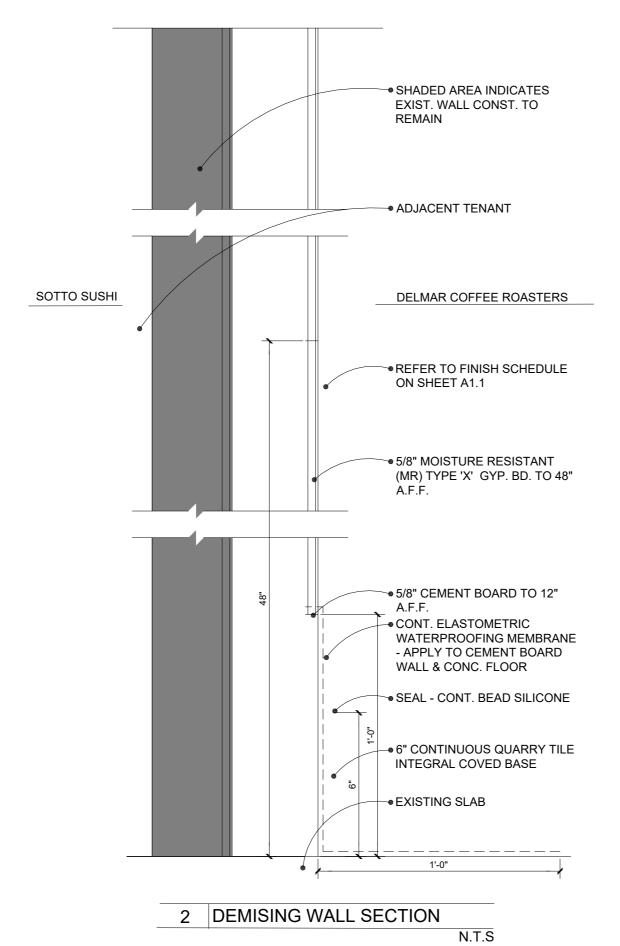
CABINET, FACTORY FINISHED

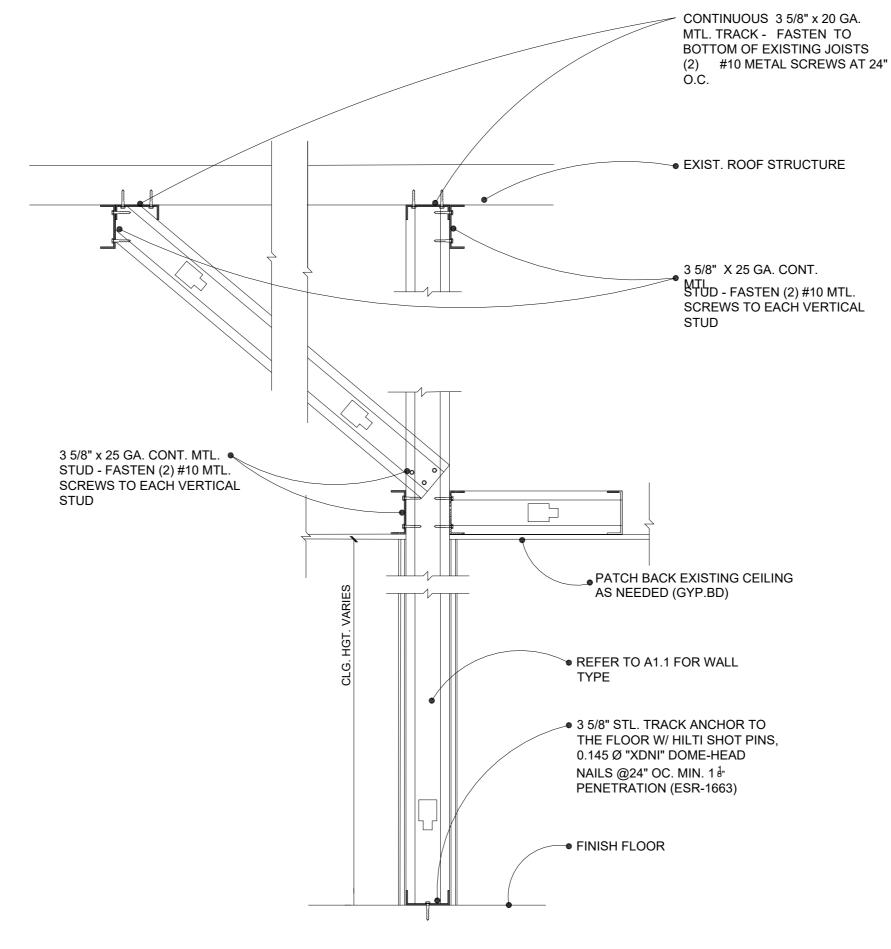
SHIM, AS REQUIRED

PARTITION PER PLAN

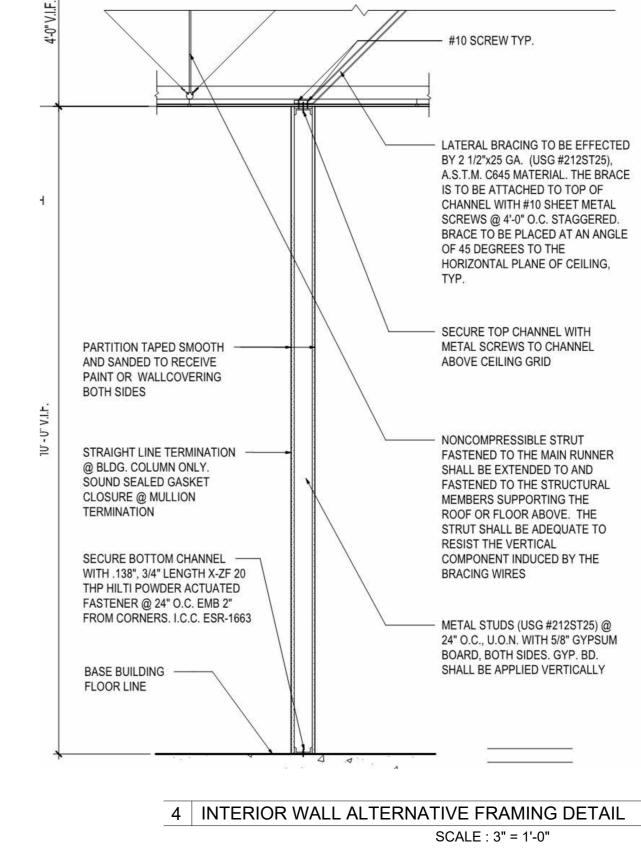
1/4" SEALANT

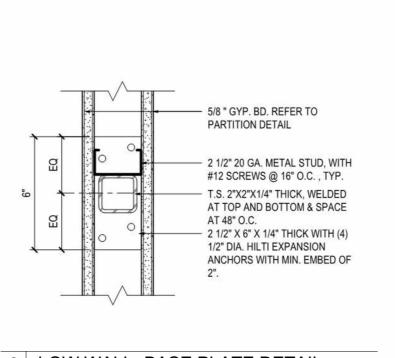
SCALE: 3" = 1'-0"

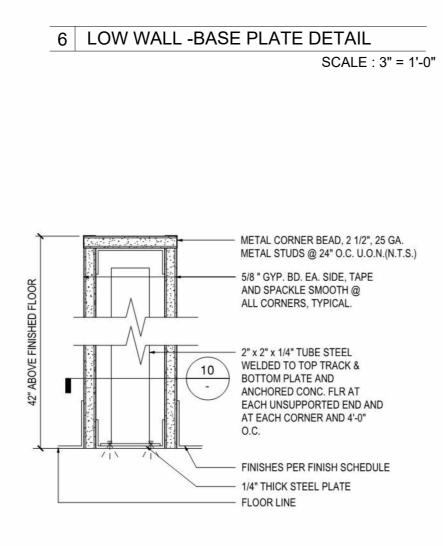




3 TYPICAL WALL FRAMING DETAIL



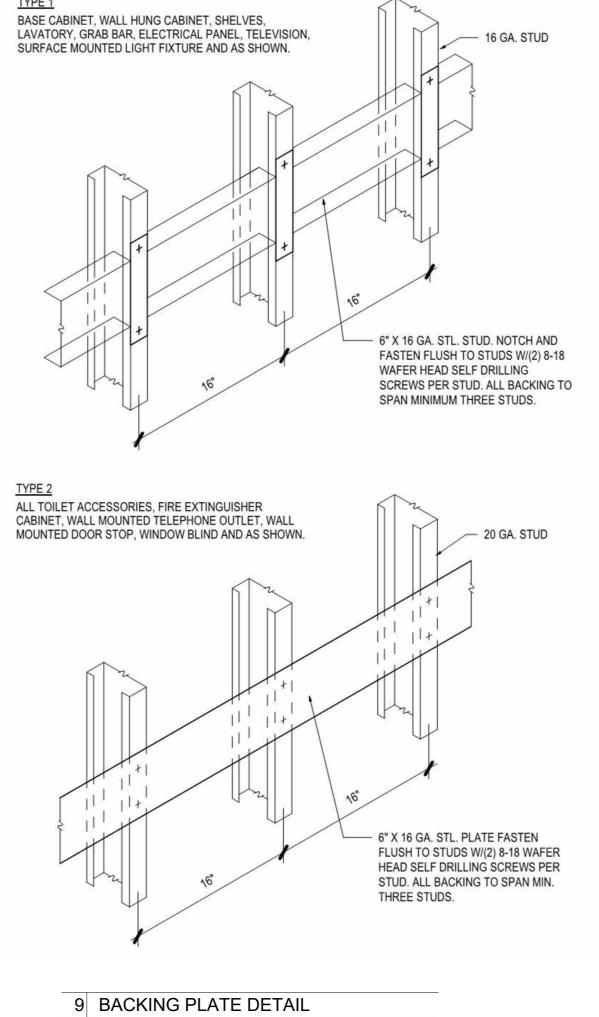




8 LOW WALL - PONYWALL

SCALE : 3" = 1'-0"





SCALE : 3" = 1'-0"

	1	IGHTS - INTE	1	1	Table 1989	TABLE 8
Stud design.	Stud width	Stud spacing	Allow. defl.	Partition, one layer	Partition, two layers	Furring, one layer
25 gauage	(.0179 min.	)			]	]
158ST25	1 5/8"	16"	L/120 L/240 L/360	10'9"f 9'6"d 8'3"d	10'9"d 10'6"d 9'0"d	10'3"d 8'3"d 7'3"d
		24"	L/120 L/240 L/360	8'9"f 8'3"d 7'3"d	8'9"f 8'9"f 8'0"d	8'9"f 7'3"d 6'3"d
212ST25	2 1/2"	16"	L/120 L/240 L/360	13'9"f 12'6"d 10'9"d	13'9"f 13'6"d 11'9"d	13'9"d 11'0"d 9'9"d
		24"	L/120 L/240 L/360	11'3"f 10'9"d 9'6"d	13'3"f 11'3"f 10'3"d	11'3"f 9'9"d 8'6"d
358ST25	3 5/8"	16"	L/120 L/240 L/360	16'9"f 16'0"d 14'0"d	16'9"f 16'9"f 14'9"d	16'9"f* 14'6"d* 12'9"d*
		24"	L/120 L/240 L/360	13'6"f 13'6"f 12'3"d	13'6"f 13'6"f 13'0"d	13'6"f* 12'9"d* 11'0"d
20 gauage	(.0329 min.	)	-			
212ST20	2 1/2"	16"	L/120 L/240 L/360	17'9"d 14'0"d 12'3"d	18'6"d 14'9"d 13'0"d	16'6"d* 13'0"d* 11'6"d
		24"	L/120 L/240 L/360	15'6"d 12'3"d 10'9"d	16'3"f 13'0"d 11'3"d	14'6"d* 11'6"d 10'0"d
358ST20	3 5/8"	16"	L/120 L/240 L/360	23'0"d 18'3"d 16'0"d	24'0"d 19'0"d 16'6"d	21'9"d* 17'3"d* 15'0"d*
		24"	L/120 L/240 L/360	20'0"d 16'0"d 14'0"d	20'9"f 16'6"d 14'6"d	19'0"d* 15'0"d* 13'3"d

### REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & L/360 14'0"d 14'6"d 13'3"d 03/10/2023 **ENGINEERING**

SEAL / STAMP

48

AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DIVISION | CITY OF NEWPORT BEACH

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA

ACC & ENGINEERING 768 N Ethan way, Anaheim

CA 92805

Phone No.: 951-903-228

Ben@accandengineering.com

www.accandengineering.com

This drawing is the property of the

below referenced professional and is not to be used for any

purpose other than the specific

project and site named herein, and cannotbereproduced

in any manner without the express

writtenpermissionfrom

professional

CONTRACTOR

CONSTRUCTION

HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER

Project Designer

ARCHITECTURAL DETAILS

SHEET NAME

SHEET NUMBER

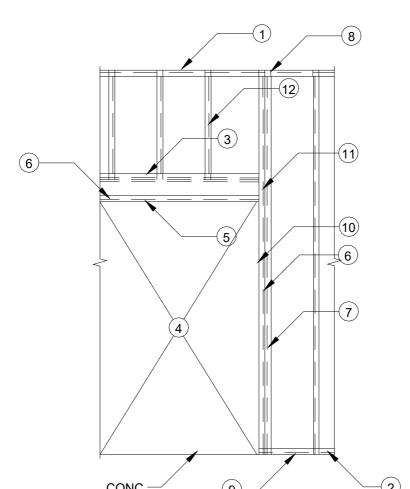
USG FOOTNOTE:

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

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

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

10 STUD FRAMING CHART



1 TOP TRACK	
2 BOTTOM TRACK	

- (3) TRACK (4) OPENING, SEE PLANS
- ( 5 ) BUILT UP HEADER; SEE CHART (6) #8 SCREWS @12" O.C.

(7) BACK TO BACK STUD W/#8

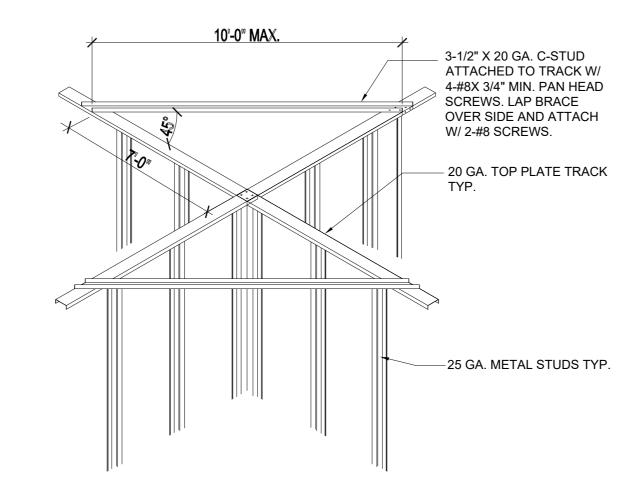
- 8 STUD TRACK W/#8 SCREWS TYP.
- 9 ATTACH TRACK TO S.O.G. W/ .180" POWER DRIVEN SHOT PINS @ 32" O.C. (ICC ESR-1799)
- (10) CLOSURE STUD REQUIRED FOR OPENING JAMB
- (11) (2-P-1) # 8 SCREWS, TYP. BOTH SIDES
- (12) METAL STUD; SIZE AND SPACING FLOOR PLAN AND DETAILS

KING STUD	SPAN	HEADE	ER SIZE	HDR TO KING STUD
[ 1/ TO MATCH WALL	4'-0"	362S 162-33 INT. 362S 162-43 DEM.	SIZE OF WAL AND 33 MILS	(2) #8 SCREWS EACH EN
[ 1/ INT. PARTITION	6'-0"	362S 162-33 INT.	SIZE OF WAL AND 33 MILS	
][ 2/ DEMISING WALL	6'-0"	600S 162-43 DEM.	SIZE OF WAL AND 33 MILS	(3) #8 SCREWS EACH EN
][ 2/ INT. PARTITION	8'-0"	600S 162-33 INT.	SIZE OF WAL AND 33 MILS	
][ 2/ DEMISING WALL	8'-0"	600S 162-43 DEM.	SIZE OF WAL AND 33 MILS	
[][ 3/ ALL WALLS	12'-0"	800S 162-43 INT. 800S 162-54 (50 KSI) DEM.	SIZE OF WAL AND 43 MILS	(4) #0 00DEWO EAGUEN
[][ 3/ ALL WALLS	16'-0"	800S 162-54 INT. 800S 162-68 (50 KSI) DEM.	SIZE OF WAL AND 54 MILS	(4) #8 SCREWS EACH EN

**HEADER DETAILS** 

N.T.S

N.T.S



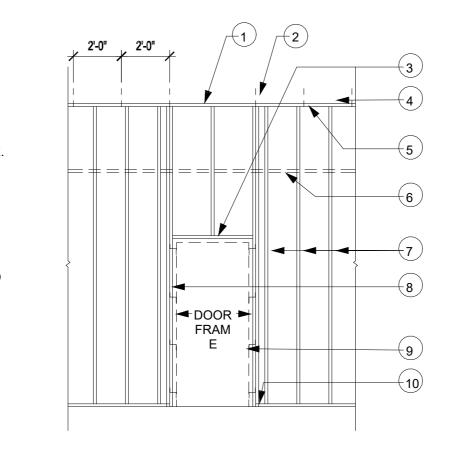
PARTITION LATERAL BRACING (CROSS BRACING

1.16 GA TRACK. EXTEND 12" BEYOND EACH JAMB. 2.DRIVE PINS AT 2'-0" O.C. AND 1 EA. SIDE OF JAMB. 3.SEE HEADER DETAIL 4.FLOOR OR ROOF SYSTEM ABOVE.

5.HEAD TRACK 6.FINISH CEILING. SEE RCP FOR LOCATION AND TYPE.

7.STUDS, SEE PLAN FOR TYPE 8.FRAMING AT JAMBS STUDS TO STRUCT. ABOVE. 3'-6" DOORS OR LARGER (2) 16 GA. STUDS.

9.HOLLOW METAL DOOR FRAME WITH 14 GA. STL. "ZEE" CLIPS - (4) PER JAMB 2 AT HEAD WELDED TO FRAME. SCREW TO STUDS WITH (2) #10 S.M.S. EACH CLIP (TYP.) 10.FLOOR TRACK DETAIL.



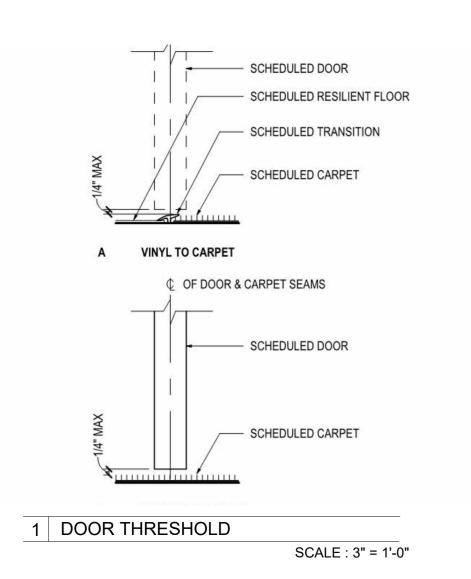
PARTITION WALL FRAMING CRITERIA

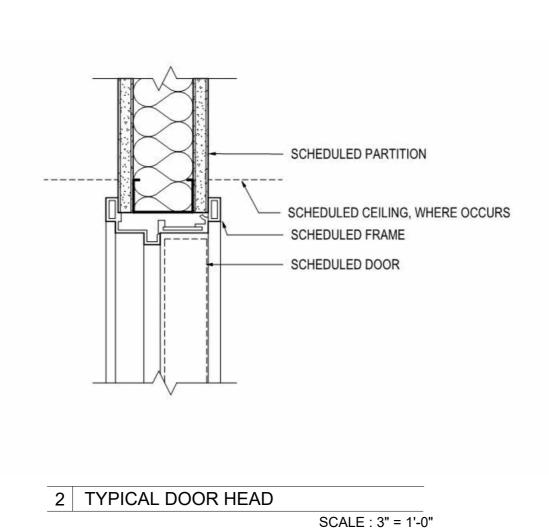
2'-O" x 4'-6" MTL. ACCESS PANEL

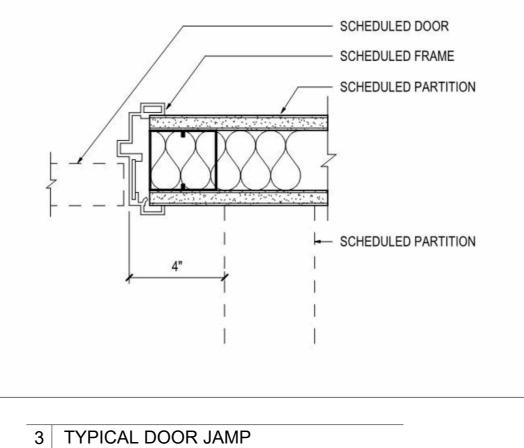
FIXED MTL. SLEEVE W/ LOCKING LATCH

5 CEILING ACCESS PANEL

SCALE : 3" = 1'-0"











Ben Hamed, ASSOC.AIA Project Designer ACC & ENGINEERING

768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

CONTRACTOR

professional

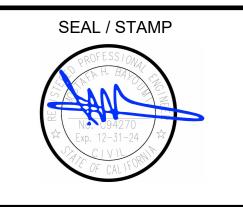


HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDI	CTION (AHJ)
BUILDING DIVISION   CITY OF NE	WPORT BEACH
REVISIONS HISTORY	1
PLAN CHECK#PC2022-	2340
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022
3RD REVIEW BY ACC & ENGINEERING	03/10/2023



ARCHITECTURAL DETAILS

SHEET NAME

## **ELECTRICAL SPECIFICATIONS (AS APPLICABLE)**

## **DIVISION 16 - ELECTRICAL**

## SECTION 16000

BASIC ELECTRICAL REQUIREMENTS

### A. <u>NOTE</u>

- DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 16.
- THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE

WORK OF HIS SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTORS RESPONSIBILITY TO

3. THIS ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH TENANT/ARCHITECT'S SCHEDULE AND THE PROJECT COMPLETION DATE.

PROVIDE HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.

- 4. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS WORK.
- 5. REFER TO RESPONSIBILITY SCHEDULE FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT THE BID.

## B. GENERAL REQUIREMENTS

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

CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.

- 7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY THE ARCHITECTS AND THE LANDLORD. ALL PATCHING SHALL BE BY G.C. AND SHALL MATCH THE SURROUNDING SURFACES.
- 8. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

## C. TEMPORARY LIGHT AND POWER

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

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

## E. LICENSES, PERMITS, INSPECTIONS & FEES

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

## F. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

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

## G. GUARANTEE

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

## H. RECORD DRAWINGS

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

## I. DISCREPANCIES IN DOCUMENTS

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

## J. PHASING REQUIREMENTS

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

## K. DEMOLITION

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

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

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

## N. FINAL ELECTRICAL INSPECTIONS

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

## END OF SECTION 16000

## ETINI

EA I ELE TRI AL MATERIAL ANI METH I

## A. CONTRACTOR NOTES

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

## m. BALANCING LOADS.

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

## B. CONDUIT

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

- c. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4", UNLESS
- d. ALL IN/UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
- 4. SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACING, IN ACCORDANCE WITH THE NEC AND LOCAL
- 5. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY PROJECT MANAGER. PAINTING OF CONDUITS, NOTED ON DRAWINGS OR SPECIFICATIONS WILL BE BY GENERAL CONTRACTOR.
- FLEXIBLE METAL CONDUIT OR MC TYPE CABLE:

NOTED OTHERWISE ON DRAWINGS.

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

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

## b. CONVENIENCE OUTLETS:

MOUNTED ON WALL NO MORE THAN 48-INCHES, MEASURED FROM TO TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING AND: NO LESS THAN 15-INCHES, MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING, TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM UNLESS OTHERWISE INDICATED OR HORIZONTALLY MOUNTED IN BASEBOARD BENEATH CABINETS. AS SHOWN ON DRAWINGS, OR AS REQUIRED BY LOCAL CODES, SEE DRAWINGS.

c. TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.

# JUNCTION AND PULL BOXES

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

- 1. CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE #12. THE CONDUCTORS SHALL BE 600 VOLT INSULATION, TYPE THW, THWN OR
- 2. MINIMUM WIRE SIZE 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FURTHEST OUTLET.
- a. #12 LESS THAN 100 FEET
- b. #10 BETWEEN 100-150 FEET c. #8 BETWEEN 150 - 250 FEET
- d. #6 OVER 250 FEET

WIRE).

GROUND - GREEN

- 3. ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANEL BOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.
- 4. CONDUCTORS MAY BE STRANDED FOR SIZES #10 AWG AND LARGER. CONDUCTORS SIZE #12 SHALL BE SOLID (NOT 5. ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE, WHERE REQUIRED BY LANDLORD.
- CONDUCTOR CONNECTION MUST BE PER MANUFACTURER'S REQUIREMENTS, CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM GENERAL CONTRACTOR AND PROJECT MANAGER WHEN USED. 6. ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (IE. LOW VOLTAGE PLENUM RATED
- 7. THE USE OF SHARED NEUTRALS IS REQUIRED FOR LIGHTING CIRCUITS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES. ALL OTHER EQUIPMENT REQUIRING A NEUTRAL
- 8. THE USE OF ROMEX, BX, ETC. IS PERMITTED ONLY IN RESIDENTIAL CONSTRUCTION NOT HIGHER THAN THREE
- 9. WIRE CONNECTORS SHALL BE EQUAL TO "SCOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO T & B "LOCKTIGHT" FOR #6 AWG AND LARGER.
- 10. ALL WIRING TO BE COLOR-CODED AS FOLLOWS:

CONDUCTOR SHALL HAVE A DEDICATED FULL SIZE NEUTRAL.

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

PHASE C OR L3 - BROWN GROUND - GREEN WITH YELLOW TRACER

# ELECTRICAL SYMBOLS LIST

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

## SCOPE OF WORK

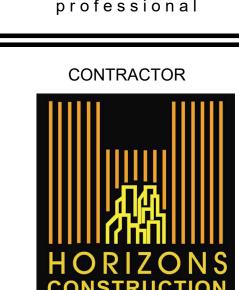
EXISTING COMMERCIAL TENANT IMPROVEMENT.

- PROVIDE NEW LIGHTING FIXTURES/CONNECTIONS TO THE RENOVATED AREAS. PROVIDE NEW POWER FIXTURES/CONNECTIONS TO THE RENOVATED AREAS.
- EXISTING MAIN SERVICE FEEDER FROM BUILDING ELECTRICAL ROOM.

# Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023

ENGINEERING

SEAL / STAMP Exp. 09-30-24

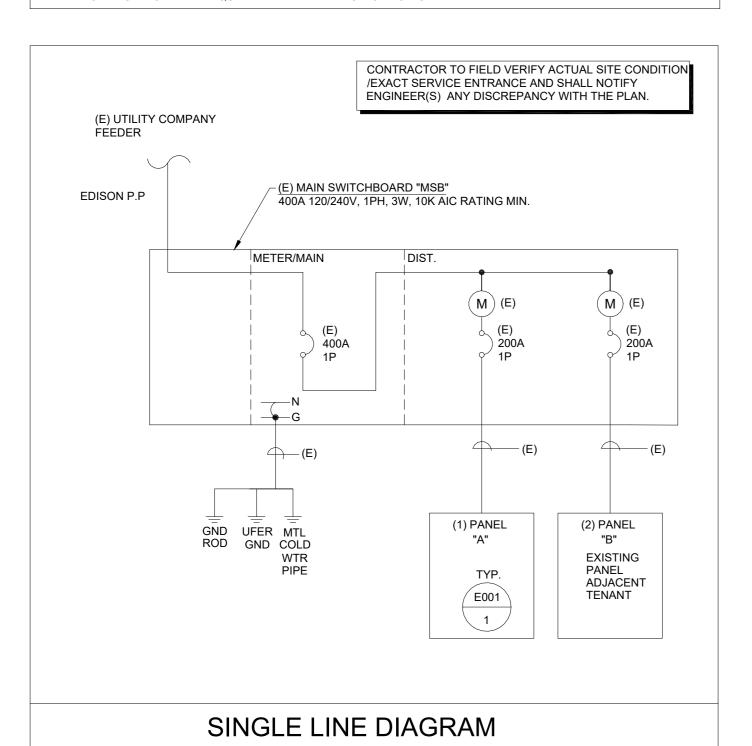
SHEET NAME **ELECTRICAL** SPECIFICATION

	LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMP	VOLT	WATT
Α	LIGHTING PENDANT LED FIXTURE, DIMMABLE PROGRESS SERIES OR APPROVED EQUAL	LED	120	9
В	6" RECESSED DOWNLIGHT LED FIXTURE, DIMMABLE LITHONIA LDN6 SERIES OR APPROVED EQUAL	LED	120	10
С	PENDANT CORD CYLINDER 6" LED FIXTURE, DIMMABLE GOTHAM SERIES OR APPROVED EQUAL	LED	120	14.7
D	6" SURFACE MT'D DOWNLIGHT LED FIXTURE, DIMMABLE MANUFACTURER TBD	LED	120	10
E	LED TRACK LIGHT, DIMMABLE, W/0.5A CURRENT LIMITER U.O.N. WAC LIGHTING CHARGE 8010 SERIES OR APPROVED EQUAL	LED	120	60
EE	LIGHT FIXTURE WITH 90 MINUTES EMERGENCY BATTERY PACK VERIFY WITH MANUFACTURER FOR OPTION/INVERTER IF NOT AVAILABLE		120	
Х	LED EXIT SIGN WITH 90 MINUTES BATTERY PACK LITHINIA EXR LED M6 OR EQUIVALENT		120	
NOTES:				

- I. FIXTURE SHALL HAVE MIN. OF 10 YEARS MANUFACTURER WARRANTY ON ALL COMPONENTS.
- FIXTURES SHALL HAVE APPROPRIATE U.L. LABEL (i.c., DAMP OR WET) AS REQUIRED BY CODES AND ORDINANCES. B. FIXTURES SHALL INCLUDE ALL ACCESSORIES FOR INSTALLATION ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND AS REQUIRED BY CODES AND LOCAL ORDINANCES.
- 4. PRIOR TO ORDERING ANY LIGHTING EQUIPMENT, THE CONTRACT OR SHALL COORDINATE ALL FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING CAVITY DEPTHS.
- 5. ALL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTURE SCHEDULE AND SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP(S) AND BALLAST(S). 6. CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES AND CEILING TRIM COMPATIBILITY PRIOR TO ORDERING
- PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-RATED CEILINGS.
- . LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY HARDWARE AS REQUIRED BY THE SPECIFICATIONS, DRAWINGS, AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION. 9. ALL FIXTURES SHALL BE ORDERED WITH APPROPRIATE BALLAST(S) THAT HAVE U.L. AND CBM LABELS. PROVIDE

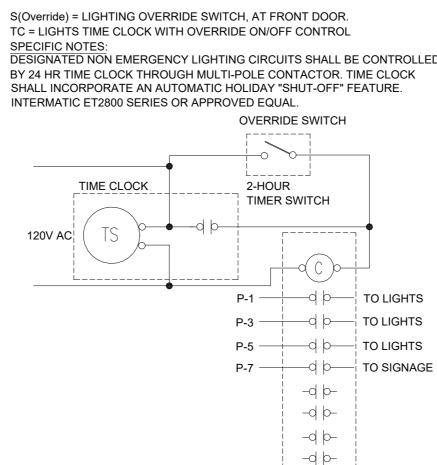
LAMPS, BALLAST(S), AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS MUST BE FACTORY CERTIFIED COMPATIBLE

- MULTIPLE BALLASTS FOR DUAL-LEVEL SWITCHING AND WIRING AS INDICATED ON THE PLANS. 10.ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS, ESPECIALLY DIMMED SYSTEMS. FIXTURES,
- FOR FULL RANGE OF DIMMING COMPATIBILITY. 11.LIGHTING FIXTURE MANUFACTURER & MODEL IS FOR REFERENCE ONLY. FIXTURE SHALL BE SELECTED BY ARCHITECT. POWER AND QUALITY SHALL BE SPECIFICATION GRADE.



## **EMERGENCY EXIT ILLUMINATION NOTES:**

- . FIXTURES WITH 90 MIN. EMERGENCY BATTERY BACKUP SHALL BE WIRED AHEAD OF ANY LOCAL IN COMPLIANCE WITH NEC ARTICLE 700.
- 2. EMERGENCY LIGHTING UNITS SHALL BE EQUIPPED WITH FACTORY INSTALLED INTEGRAL TEST SWITCHES.
- 3. ILLUMINATION LEVELS IN THE ENTIRE EXIT ACCESS SHALL HAVE AVERAGE MINNIMUM OF 1FT CANDLE, ILLUMINATION LEVELS AT ANY ONE POINT SHALL BE AT LEAST 0.1FT CANDLE AND MAX TO MIN UNIFORM RATIO OF 40 PER CFC1008.3.5.
- 4. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702. CBC 1008.3.4.
- 5. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN ILLUMINATION MEANS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CHAPTER 27.
- 6. EXIT AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL; PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGN TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL; INTERVENING MEANS OF EGRESS DOORS WITH EXITS SHALL BE MARKED BY EXIT SIGNS. CBC 1013.1.
- 7. THE BOTTOM OF THE SIGN SHALL NOT BE LESS THAN 6 INCHES OR MORE THAN 8 INCHES ABOVE THE FLOOR LEVEL AND SHALL INDICATE THE PATH OF EXIT TRAVEL. FOR EXIT AND EXIT ACCESS DOORS, THE SIGN SHALL BE ON THE DOOR OR ADJACENT TO THE DOOR WITH THE CLOSEST EDGE OF THE SIGN OR MARKER WITHIN 4 INCHES OF THE DOOR FRAME.
- 8. TACTILE EXIT SIGNS SHALL BE PROVIDED WITH APPROPRIATE WORDS AT EXIT DOORS LEADING TO ENCLOSED EXIT STAIRWAYS AND EXIT DOORS LEADING TO OUTSIDE. CBC 1013.4.



LIGHTING CONTROL DIAGRAM

ING OVERRIDE SWITCH, AT FRONT DOOR. CLOCK WITH OVERRIDE ON/OFF CONTROL		120V, SI	NGLE P	OLE, MA	X 3% V	OLTAGE	DROP
EMERGENCY LIGHTING CIRCUITS SHALL BE CONTROLLED				LENGTH OF	RUN		
CK THROUGH MULTI-POLE CONTACTOR. TIME CLOCK TE AN AUTOMATIC HOLIDAY "SHUT-OFF" FEATURE.		25'	50'	100'	150'	200'	AMP LOAD
0 SERIES OR APPROVED EQUAL.  OVERRIDE SWITCH	COPPER	14	12	10	8	6	15 AMP
	COPPER	12	12	8	6	4	20AMP
LOCK 2-HOUR	COPPER	10	10	6	4	4	30 AMP
TIMER SWITCH	COPPER	1	1	1	2/0	4/0	100 AMP
)	ALUMINUM	1/0	1/0	2/0	4/0	300	100 AMP
	COPPER	3/0	3/0	3/0	300	500	200 AMP
P-1 TO LIGHTS	ALUMINUM	250	250	300	600	900	200 AMP
P-3 — TO LIGHTS P-5 — D TO LIGHTS P-7 — D TO SIGNAGE	NOTE: THE MAXIMUM C CONDUCTORS T	-		-			BRANCH CIRCUIT CENT.
P-1   P-1   TO SIGNAGE							

VOLTAGE: 120/240V, 1Ø 3W				LOA	D VA			MAI	NS:MLO	1	BUS: 200A A.I.C: 10,000
CIRCUIT DESCRIPTION:		BKR	CIR no.	Ø A	ØB	ØA	Ø B	CIR NO.	BKR		CIRCUIT DESCRIPTION:
DAYLIGHT LIGHTS	L	20/1	1	280		2640		2	30/2	К	9, COFFE MAKER 1
INTERIOR TRACK LIGHTS	L	20/1	3		910		2640	4		К	
INTERIOR	L	20/1	5	480		1700		6	30/2	K	TOASTER
SIGNANGE	L	20/1	7		1200		600	8	20/1	N	COLD BREW
CONV. RECEPT.1	R	20/1	9	1080				10		К	
CONV. RECEPT.2	R	20/1	11		900		1200	12	20/1	K	BLENDER
CONV. RECEPT.3	R	20/1	13	900		600		14	20/1	N	COFFEE GRINDER
CONV. RECEPT.4	R	20/1	15		1260		600	16	20/1	N	COFFE GRINDER
REFRIGERATOR	N	20/1	17	750		2800		18	30/2	К	ESPRESSO MACHINE
APPLIANCE RECEPT.	N	20/1	19		1000		750	20	20/1	N	DISPLAY CASE
AIR CURTAIN	С	20/1	21	550		950		22	20/1	N	ICE MACHINE
ADVANTCO	К	20/1	23		1000		1000	24	20/1	K	HOT WATER DIS
HOT WATER	К	20/1	25	1000		2640		26	30/2	K	COFFE MAKER 2
SPARE			27				1200	28	20/1	М	ROASTER
ELEC. WATER HEATER	С	50/2	29		4000	2704		30	45/2	М	HP-1/AH-1
PHASE TOTALS	•		A 1970		B 260			505	DEMAN	D.1.0	AAD OFF DELOW
TOTAL LOAD				37964	WATTS	s		FOR	DEMAN	ט בכ	OAD SEE BELOW

\*DEMAND LOAD CALCULATION:

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

LARGEST, VA: .25X3904=1952 VA R=RECEPTACLES:1ST 10K: 1 X 4860 = 4860 VA BALANCE .5X0=0 VA 0.8X16620=13296 VA K=KITCHEN LOADS QTY = 4

1X5250 = 5250 VA N=NONCONTINUOUS LOADS, OTHER:

(P=PANEL, INCL. IN ABOVE) TOTAL N.E.C DEMAND LOAD = 38537.5 VA = 161 AMPS

1.25X2870 = 3588 VA

1.25X4550 = 5687.5 VA

Project Designer ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER

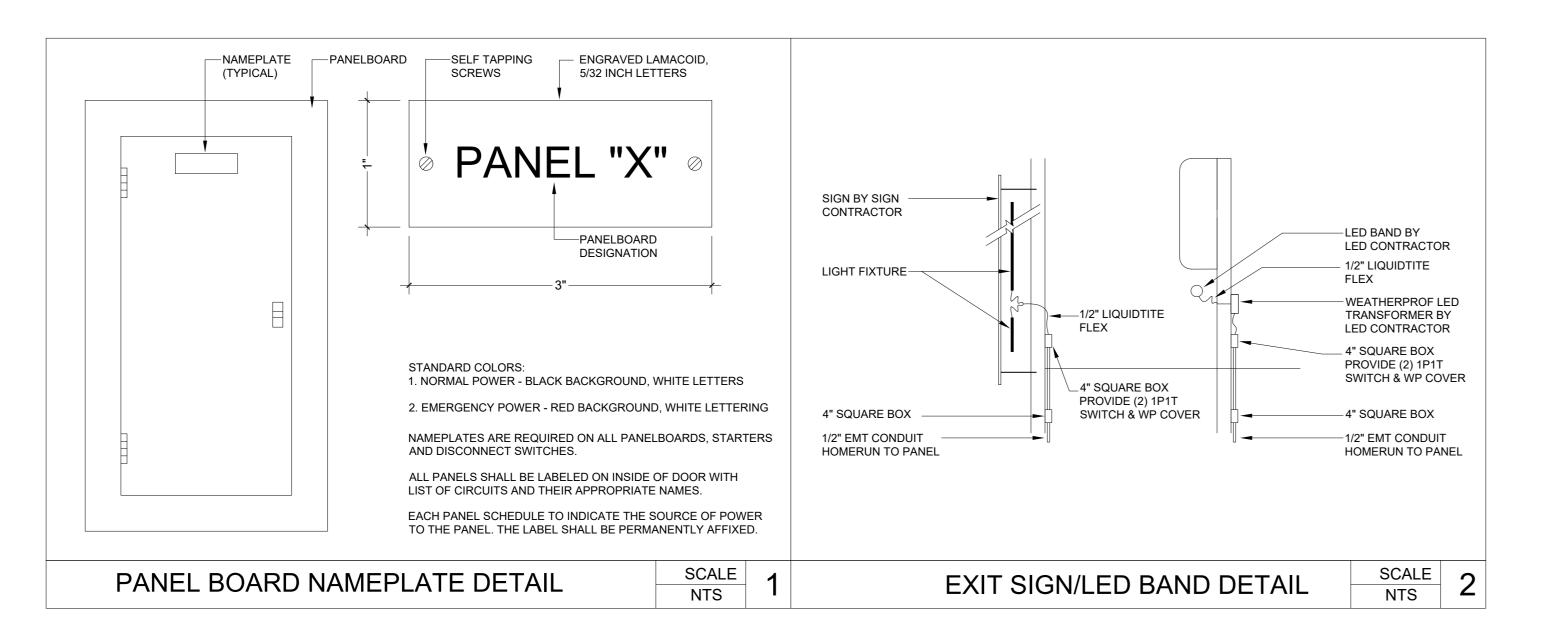
DEL COAS 3348

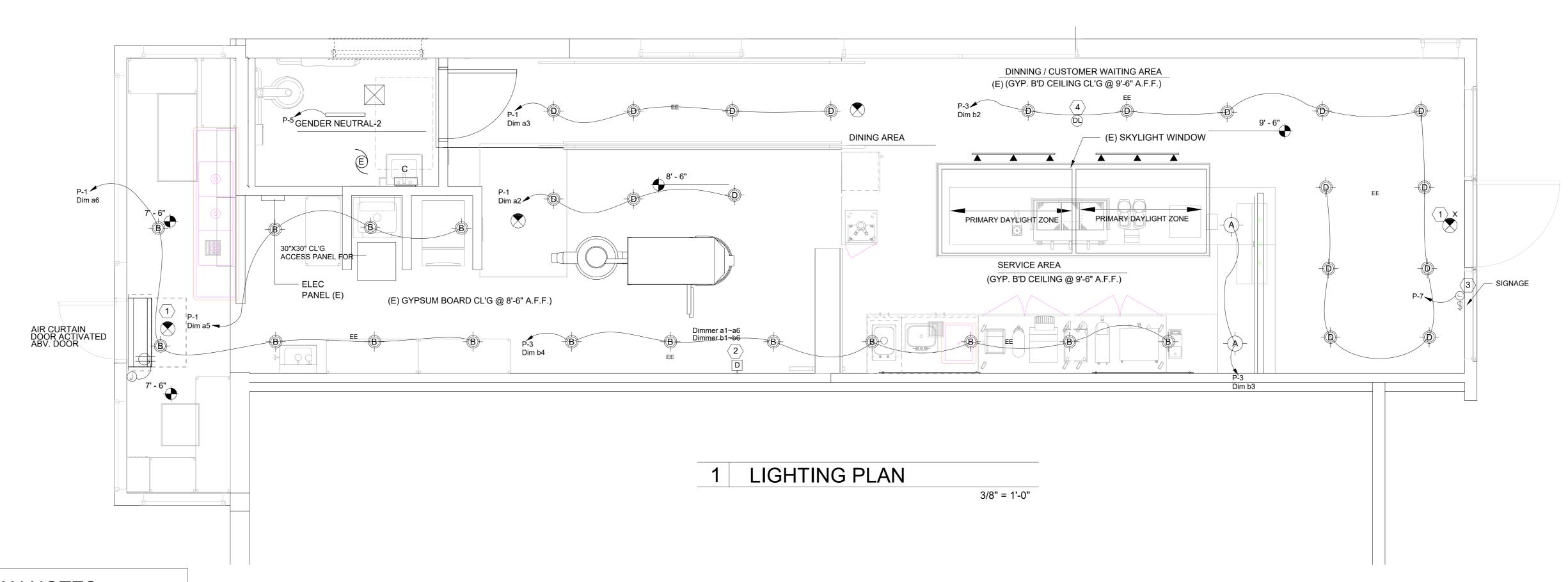
AUTHORITY HAVING JURISDI	CTION (AHJ)
BUILDING DIVISION   CITY OF NE	WPORT BEACH
REVISIONS HISTORY	1
PLAN CHECK#PC2022-	2340
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022
3RD REVIEW BY ACC & ENGINEERING	03/10/2023



SINGLE LINE DIAGRAM & SCHEDULES

SHEET NAME





# **#** KEYED LIGHTING PLAN NOTES:

- 1. EMERGENCY/NL AND EXIT FIXTURES TO BE CONNECTED TO NEARBY ROOM LIGHTING CIRCUIT AHEAD OF LOCAL SWITCH PER CEC 700.12(F)(2).
- 2. CONTRACTOR TO VERIFY FINAL LOCATION OF SWITCH/DIMMER BANK WITH THE OWNER'S P.M.
- 3. WIRE THRU CONTACTOR & TIME CLOCK FOR SIGNAGE LIGHTING CONTROL.
- PROVIDE AUTOMATIC DAYLIGHT MULTILEVEL CONTROL FOR FIXTURES IN DAYLIGHT ZONE PER 2019 BEES 130.1(D).

## **GENERAL NOTES:**

- CONCEAL ALL WIRING AND CONDUIT IN WALLS, CHASE, UTILITY SPACES OR ABOVE CEILING.
- 2. WIRE SIZE SHALL NOT BE LESS THAN CORRESPONDING CIRCUIT BREAKER RATING AS REQUIRED BY CODE.
- 3. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE LATEST NEC.
- 4. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE 2019 EDITION.
- IF DRAWINGS ARE INCORRECT FROM THE ACTUAL SITE CONDITION, E.C. SHALL NOTIFY ENGINEER(S) AND PROVIDE INFORMATION REFLECTING ACTUAL CONDITIONS.
- 6. REFER TO E-0.1 EMERGENCY EXIT ILLUMINATION NOTES FOR EMERGENCY LIGHTING REQUIREMENTS.
- 7. ALL LIGHT FIXTURE TYPES, SPECIFICATIONS, AND QUANTITIES ARE TO BE COORDINATED AND VERIFIED WITH ARCHITECT/OWNER.
- 8. OBTAIN APPROVAL ON LOCATION OF SWITCH/DIMMER/SENSOR WITH ARCHITECT AND OWNER AT SITE PRIOR TO ROUGH-IN.
- 9. LIGHTING INSTALLED IN CORRIDORS SHALL BE CONTROLLED BY OCCUPANT SENSING CONTROLS SEPARATELY REDUCE THE LIGHT POWER IN EACH SPACE BY AT LEAST 50 PERCENT WHEN UNOCCUPIED.
- 10. PROVIDE 2 HOUR OVERRIDE AND AUTOMATIC SHUTOFF SWITCHES AS REQUIRED PER 2019 TITLE 24 ALONG WITH ALL REQUIRED PARTS, COMPONENTS AND ACCESSORIES TO INTERFACE WITH LIGHTING CONTROL DEVICE AS REQUIRED FOR COMPLETE AND FULLY OPERABLE SYSTEM.
- 11. SIGNAGE WILL REQUIRE SEPARATE PERMIT AND SUBMITTAL.



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and c a n n o t b e r e p r o d u c e d in any manner without the express w r i t t e n p e r m i s s i o n f r o m t h e

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DIVISION | CITY OF NEWPORT BEACH

REVISIONS HISTORY

PLAN CHECK#PC2022-2340

1ST REVIEW SUBMITTED
BY OTHERS

2ND REVIEW SUBMITTED
BY OTHERS

3RD REVIEW BY ACC &
ENGINEERING

03/10/2023

SEAL / STAMP

PROFESSIONAL

SAL EH

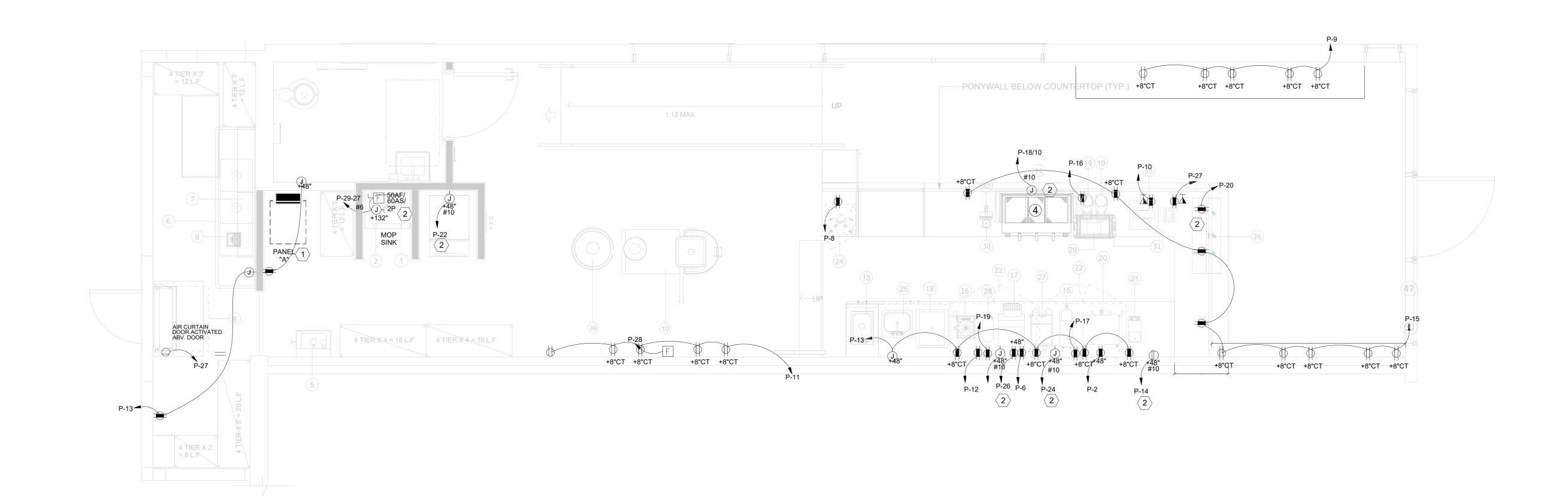
No. M39074

Exp. 09-30-24

SHEET NAME LIGHTING PLAN

SHEET NUMBER

E-100



# **GENERAL NOTES:**

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

# (#) KEYED POWER PLAN NOTES:

- VERIFY/COORDINATE EXACT LOCATION FOR ELECTRICAL EQUIPMENTS IN FIELD AND PROVIDE MINIMUM CLEARANCE PER SECTION 110.26 OF NATIONAL ELECTRICAL CODE, 2017 EDITION.
- VERIFY EXACT ELECTRICAL INSTALLATION REQUIREMENTS WITH MANUFACTURER AND PROVIDE PER RECOMMENDATION.



Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and c a n n o t b e r e p r o d u c e d in any manner without the express w r i t t e n p e r m i s s i o n f r o m

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK
AUTHORITY H	AVING JURISD	ICTION (AHJ)

7.0111014111 TIPAVIIA GOTAGE	011011 (71110)
BUILDING DIVISION   CITY OF NE	WPORT BEACH
REVISIONS HISTORY	<b>Y</b>
PLAN CHECK#PC2022-	2340
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022
3RD REVIEW BY ACC & ENGINEERING	03/10/2023



SHEET NAME
POWER PLAN

SHEET NUMBER

E-200

STATE OF CALIFORNIA		STATE OF CALIFORNIA	STATE OF CALIFORNIA Indoor Lighting
Indoor Lighting CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION  NRCC-LTI-E	Indoor Lighting CALIFORNIA ENERGY COMMISSION	
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lig	ghting scopes using the prescriptive path for	CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  (Page 2 of 8)	Project Name: CAFE DEL MAR ROAS
nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 j path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	for indoor lighting scopes using the prescriptive	Date Prepared: 2023-03-14T14:42:33-04:00	, L
Project Name: CAFE DEL MAR ROASTER COFFEE SHOP Report Page: Project Address: Date Prepared:	(Page 1 of 8) 2023-03-14T14:42:33-04:00		F. INDOOR LIGHTING FIXTURE SCHEDULE
		C. COMPLIANCE RESULTS	This table includes all planned permanent and portable lighting other than a
. GENERAL INFORMATION	(C	If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.  All LL Line Brown 140 CUD (170 2/ VIVI. 1) Adjusted Lighting Power per 140.6(a) / 170.2(e)	documented in Table T. If using Table T to document lighting in multifamily continct included here.
01 Project Location (city)     NEWPORT BEACH     04 Total Conditioned Floor Area (ft²)       02 Climate Zone     6     05 Total Unconditioned Floor Area (ft²)		Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)  (Watts)  Compliance Results	Designed Wattage: Conditioned Spaces
Occupancy Types Within Project (select all that apply):  06 # of Stories (Habitable Above Grad		Lighting in conditioned and conditioned	01 02 03 04 Small
Restaurant		spaces must not be Complete Category Tailored Spaces must not be Complete Category Additional 140.6(s) 7 Total Category Total Adjusted	Name or Item Complete Luminaire Modular Aperture & Color Change <sup>1</sup>
	10	compliance per   140.6(c)2 / 140.6(c)2 / 140.6(c)2 / 170.2(e)4B   Allowed   Designed (Watts)   140.6(a)2 / *Includes   140.6 / 170.2(e)	A LIGHTING PENDANT No NA
i. PROJECT SCOPE  his table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the	prescriptive path outlined in 140.6 / 170.2(e) or	140.6(b)1/170.2(e)	B 6" RECESSED DOWNLIGHT No NA
41.0(b)2 / 180.2(b)4 for alterations.	And the state of t	(See Table I)         (See Table I)         (See Table I)         (See Table II)         (See Table IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	D 6" SURFACE MOUNTED No NA DOWNLIGHT
Scope of Work         Conditioned Spaces           01         02         03	Unconditioned Spaces 04 05	Unconditioned         =         ≥         =	E LED TRACK LIGHT Yes NA
My Project Consists of (check all that apply):  Calculation Method Area (ft²)	Calculation Method Area (ft²)	Controls Compliance (See Table H for Details) COMPLIES  Rated Power Reduction Compliance (See Table Q for Details)	
✓ New Lighting System       Area Category Method       828         ✓ New Lighting System - Parking Garage       N/A       0	N/A 0 N/A 0		<sup>1</sup> FOOTNOTE: Design Watts for small aperture and color changing luminaires automatically makes this adjustment, the permit applicant should enter full i
Total Area of Work (ft²)	Acceptance for the second seco	D. EXCEPTIONAL CONDITIONS	<sup>2</sup> Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm w
		This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  Track Lighting has been included in this project, details are provided in Table G.	luminaire, not the lamp.
			G. MODULAR LIGHTING SYSTEMS
		E. ADDITIONAL REMARKS	This table calculates wattage for modular lighting systems/ track lighting fixed 01 02
		This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	Name or Complete Track Description
			Item lag
			E LED TRACK LIGHT i Installed Luminaires vs Default 30 W/ft
Registration Number: Generated Date/Time:	Documentation Software: Energy Code Ace	Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000	Compliance ID: 94742-0323-0002	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022,0.000 Compliance ID: 94742-0323-0002	Registration Number:
Schema Version: rev 20220101 STATE OF CALIFORNIA	Report Generated: 2023-03-14 11:42:35	Schema Version: rev 20220101 Report Generated: 2023-03-14 11:42:35	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Indoor Lighting	CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA  Indoor Lighting  CALIFORNIA ENERGY COMMISSION	
Project Name: CAFE DEL MAR ROASTER COFFEE SHOP Report Page:	NRCC-LTI-E (Page 4 of 8)	CERTIFICATE OF COMPLIANCE  NRCC-LTI-E Indoor	Lighting
Date Prepared:	2023-03-14T14:42:33-04:00	Project Name: CAFE DEL MAR ROASTER COFFEE SHOP Report Page: (Page 5 of 8)  Date Prepared: 2023-03-14T14:42:33-04:00	E OF COMPLIANCE
		Project Nar	ne: CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  Date Prepared:
G. MODULAR LIGHTING SYSTEMS  Maximum rated input wattage per manufacturer			
60	60	I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS  Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per  O. ADDIT	IONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
<sup>1</sup> FOOTNOTE: For power-over-Ethernet lighting systems, power provided to installed non-lighting devices may be subtracted from the total possystem.	ower rating of the power-over-Ethernet	140 (/ )	on does not apply to this project.
		01 02 03 04 05 06 P. P. P. OVE	R ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
H. INDOOR LIGHTING CONTROLS (Not including PAFs)		Complete Building or Area Category Primary   Allowed Density   Allowed Wattage   Additional Allowance / Adjustment	n does not apply to this project.
This table includes lighting controls for conditioned and unconditioned spaces.  Building Level Controls		COFEE SHOP         Dining (Low Vision)         0.8         732         585.6         No         No	POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS
01 02	03 Field Inspector	SE SECTION SECTION CONTRACTOR CON	on does not apply to this project.
Mandatory Demand Response 110.12(c) Shut-off controls 130.1(c) / 160.5(b)4C	Pass Fail	D OOK U	CUTING POWER FOR ALL ALTERATIONS, CONTROLS EVERTIONS
NA < 4,000W subject to multilevel  See Area/Space Level Controls  Area Level Controls		ADDITIONAL ALLOWANCE AND CONTROL OF THE ESTATION OF THE EST	GHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS on does not apply to this project.
04 05 06 07 08 09 10	10 11 12		
Primary/Sky		R. IAILORED WETHOU GENERAL LIGHTING POWER ALLOWANCE  This section	GHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
Complete Building or Area Manual Area Multi-Level Shut-Off Controls lit Secon	ndary Interlocked		n does not apply to this project.
Complete Building or Area Manual Area Multi-Level Shut-Off Controls lit Secon	Tield Inspector	This section does not apply to this project.	on does not apply to this project.
Area Description  Complete Building or Area Category Primary Function Area  Area  Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4B  Shut-Off Controls 130.1(c) // 160.5(b)4C  Daylighting 130.1(d) / 160.5(b)4D	Systems   Field Inspector	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY	ING UNIT LIGHTING
Complete Building or Area Manual Area Multi-Level Shut-Off Controls lit Secon	ghting Systems Field Inspector  1(d) / 140.6(a)1/ 5(b)4D 170.2(e)2A Pass Fail	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY	
Area Description  Complete Building or Area Category Primary Function Area  Controls 130.1(a) / 160.5(b)4A  COFEE SHOP  Complete Building or Area Controls 130.1(b) / 160.5(b)4B  Controls 130.1(b) / 160.5(b)4B  Shut-Off Controls 130.1(c) // 160.5(b)4C  Daylighting 130.1(d) / 160.5(b)4D  Readily Accessible  NA: General Ltg < 120W  NA: General Ltg < 120W  Ltg < 120W  Readily NA: General Ltg < 120W	Systems   Field Inspector	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  This section does not apply to this project.	ING UNIT LIGHTING
Area Description  Complete Building or Area Category Primary Function Area  Controls 130.1(a) / 160.5(b)4A  COFEE SHOP  Complete Building or Area Controls 130.1(a) / 160.5(b)4B  Controls 130.1(b) / 160.5(b)4B  Shut-Off Controls 130.1(c) // 160.5(b)4C  Daylighting 130.1(d) / 160.5(b)4D  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day Ltg < 120W  Ltg < 1	Systems   Field Inspector	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title
Area Description  Complete Building or Area Category Primary Function Area  Controls 130.1(a) / 160.5(b)4A  COFEE SHOP  Complete Building or Area Controls 130.1(a) / 160.5(b)4B  Controls 130.1(b) / 160.5(b)4B  Shut-Off Controls 130.1(c) // 160.5(b)4C  Daylighting 130.1(d) / 160.5(b)4D  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day Ltg < 120W  NA: General Ltg < 120W  Ltg < 120W  Readily Accessible	Systems   Field Inspector	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  NRCI-LTI-E	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION
Area Description  Complete Building or Area Category Primary Function Area  Controls 130.1(a) / 160.5(b)4A  COFEE SHOP  Complete Building or Area Controls 130.1(a) / 160.5(b)4B  Controls 130.1(b) / 160.5(b)4B  Shut-Off Controls 130.1(c) // 160.5(b)4C  Daylighting 130.1(d) / 160.5(b)4D  Readily Accessible  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day Ltg < 120W  NA: General Ltg < 120W  Readily Accessible	Systems   Field Inspector	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title
Area Description  Complete Building or Area Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4C  Controls 130.1(b) / 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(b) / 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  NA: General Ltg < 120W  Readily Accessible  Readily Accessible  Controls 130.1(c) // 160.5(b)4C  NA: General Ltg < 120W  Plar	ghting Systems 140.6(a)1/ 140.6(a)1/ 170.2(e)2A Pass Fail 120W No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title
Area Description  Complete Building or Area Controls Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4B  COFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  Generated Date/Time:	ghting Systems 140.6(a)1/ 170.2(e)2A Pass Fail 120W No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace  Registration Software: Energy Code Ace  CA Buildin	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Category Primary Function Area  Controls 130.1(a) / 160.5(b)4B  COFFEE SHOP  Dining (Low Vision)  Complete Building or Area Controls 130.1(b) / 160.5(b)4B  Controls 130.1(b) / 160.5(b)4C  Controls 130.1(b) / 160.5(b)4C  NA: General Ltg < 0.5W/SF  NA: 24 hour/365 day Plar	ghting Systems 140.6(a)1/ 140.6(a)1/ 170.2(e)2A Pass Fail 120W No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Controls Controls 130.1(a) / 160.5(b)4A  COFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Complete Building or Area Controls Controls 130.1(c) // 160.5(b)4B  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg <= 0.5W/SF  Report Version: 2022.0.000 Schema Version: rev 20220101	ghting Systems 140.6(a)1/10(b)4D 170.2(e)2A Pass Fail Inspector In	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Schema Version: rev 20220101  Report Generated: 2023-03-14 11:42:35	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Controls Controls 130.1(a) / 160.5(b)4A  Controls 130.1(a) / 160.5(b)4B  COFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Complete Building or Area Controls Controls 130.1(c) // 160.5(b)4B  NA: General Ltg <= 0.5W/SF  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg < 120W  Plar  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Schema Version: rev 20220101	Systems 1(d) / 140.6(a)1/ 170.2(e)2A Pass Fail  Ideneral 120W No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-0323-0002 Schema Version: rev 20220101 Report Generated: 2023-03-14 11:42:35  LIFORNIA  Lighting CALIFORNIA ENERGY COMMISSION	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Category Primary Function Area  Category Primary Function Area  Controls  130.1(a) / 160.5(b)4B  COFFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  Shut-Off Controls  130.1(a) / 160.5(b)4D  160.5(b)4B  NA: General Ltg < 120W  NA: General Ltg < 120W  Plar  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  CALIFO  CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:	ghting Systems 1(d) / 140.6(a)1/ 170.2(e)2A Pass Fail Internal 120W Pass Fail	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Schema Version: rev 20220101  Report Generated: 2023-03-14 11:42:35  CALIFORNIA ENERGY COMMISSION  EGO COMPLIANCE  CAFE DEL MAR ROASTER COFFEE SHOP   Report Page: (Page 8 of 8)	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Category Primary Function Area  Category Primary Function Area  COFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Generated Date/Time:  Generated Date/Time:  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CONTrols  130.1(a) / 160.5(b)4B  NA: General Itg > 130.1(d) / 160.5(b)4D  NA: General Itg < 120W  Itg > 130.1(a) / 160.5(b)4B  NA: Quality Shut-Off Controls 130.1(d) / 160.5(b)4D  NA: General Itg < 120W  Itg < 120W  Plan  CALIFO  CERTIFICATE OF COMPLIANCE	ghting Systems 140.6(a)1/ 140.6(a)1/ 170.2(e)2A Pass Fail Indoor	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Schema Version: rev 20220101  Report Generated: 2023-03-14 11:42:35  CALIFORNIA ENERGY COMMISSION  TO COMPLIANCE  CAFE DEL MAR ROASTER COFFEE SHOP   Report Page: (Page 8 of 8)	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Category Primary Function Area  Controls Controls 130.1(a) / 160.5(b)4B  COFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Generated Date/Time:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Shut-Off Controls 130.1(c) / 160.5(b)4D  NA: 24 hour/365 day 160.5(b)4D  NA: 24 hour/365 day 160.5(b)4D  Registration Number:  Generated Date/Time:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CALIFO  CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  Date Prepared:	ghting Systems 1(d) / 140.6(a)1/ 170.2(e)2A Pass Fail Iteneral 120W No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Schema Version: rev 20220101  Report Generated: 2023-03-14 11:42:35  CALIFORNIA ENERGY COMMISSION  EGO COMPLIANCE  CAFE DEL MAR ROASTER COFFEE SHOP   Report Page: (Page 8 of 8)	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Category Primary Function Area  Category Primary Function Area  Controls  130.1(a) / 160.5(b)4B  COFFE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CAB Building Energy Efficiency Standards - 2022 Nonresidential Compliance  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:	Systems 1(d) / 140.6(a)1/ 170.2(e)2A Pass Fail Ideneral 120W No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-9323-0002 Schema Version: rev 20220101 Report Generated: 2023-03-14 11:42:35  LIGHTING  CALIFORNIA CALIFORNIA ENERGY COMMISSION NECC-LITE  The COMPLIANCE Report Page: (Page 8 of 8) dress: Date Prepared: 2023-03-14113-42:33-04:00  ENTATION AUTHOR'S DECLARATION STATEMENT  that this Certificate of Compliance documentation is accurate and complete.	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:
Area Description  Complete Building or Area Controls Category Primary Function Area  Controls 130.1(a) / 160.5(b)4B  Controls 130.1(b) / 160.5(b)4B  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(d) / 160.5(b)4D  Readily Accessible  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CERTIFICATE OF COMPULANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page: Date Prepared:  V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	ghting Systems 140.6(a)1/170.2(e)2A Pass Fail Information Software: Energy Code Ace  Compliance ID: 94742-0323-0002 Report Generated: 2023-03-14 11:42:35  DRNIA ENERGY COMMISSION NRCC-LTI-E (Page 7 of 8) 2023-03-14T14:42:33-04:00  DOCUM I certify	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE / SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Cancerated Date/Time:  Documentation Software: Energy Code Ace Report Version: 2022.0.000 Schema Version: 2022.0.000 Report Generated: 2023-03-14 11:42:35  LIGHTING  LIGHTING  CALIFORNIA ENERGY COMMISSION  RE OF COMPULANCE  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  Date Prepared:  Documentation Author Signatural Author  Documentation STATEMENT  Con Author Name:  Documentation Author Signatural Author  Documentation Autho	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Controls Category Primary Function Area  Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4B  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(d) / 160.5(b)4D  Readily Accessible  NA: General Ltg <- 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg <- 0.5W/SF  NA: 24 hour/365 day  Readily Ltg <- 0.5W/SF  Plar  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page: Date Prepared:  V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	ghting Systems 140.6(a)1/170.2(e)2A Pass Fail Idio	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-0323-0002 Schema Version: rev 20220101 Report Generated: 2023-03-14 11:42:35  LIGRINIA LIGHTING  CALIFORNIA ENERGY COMMISSION NRCC-LIT-E  The of COMPLIANCE NRCC-LIT-E  This Section does not apply to this project.  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022-0.000  Schema Version: rev 20220101 Report Generated: 2023-03-14 11:42:35  LIGRINIA LIGHTING AUTHOR'S DECLARATION STATEMENT  that this Certificate of Compliance documentation is accurate and complete.  In Author Name: Documentation Author Signature Date  Gineting Compliance Documentation Signature Date  Signature Date: 03/14/23	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4B  Controls 130.1(c) // 160.5(b)4B  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4D  Readily Accessible  NA: General Ltg < 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg < 0.5W/SF  NA: 24 hour/365 day  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA Indoor Lighting  CALIFO  CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP  Plan  Controls 130.1(b) / 160.5(b)4D  NA: General Ltg < 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg < 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg < 2.000  Call For California  Call For California  CALIFO  CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP  Date Prepared:  V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	ghting 140.6(a)1/ 5(b)4D 170.2(e)2A Pass Fail leneral No	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Schema Version: rev 20220101  Report Generated: 2023-49-14 11-42-35  Registration Number:  CALIFORNIA ENERGY COMMISSION  RECCUTE  The GE COMPLIANCE  This Section does not apply to this project.  Registration Number:  CALIFORNIA ENERGY COMMISSION  RECCUTE  The GE COMPLIANCE  This Author Special Page:  The GE COMPLIANCE  This Section does not apply to this project.  Registration Number:  CALIFORNIA ENERGY COMMISSION  RECCUTE  The GE COMPLIANCE  This Section does not apply to this project.  Registration Number:  CALIFORNIA ENERGY COMMISSION  RECCUTE  The GE COMPLIANCE  This Section does not apply to this project.  Registration Number:  CALIFORNIA ENERGY COMMISSION  RECCUTE  The GE COMPLIANCE  This Section does not apply to this project.  Registration Number:  CALIFORNIA ENERGY COMMISSION  RECCUTE  This Section does not apply to this project.  Registration Number:  Documentation Number:  Documentation Number:  Documentation Number:  Documentation Number:  This Section does not apply to this project.  This Section does not apply to this project.  Registration Number:  Documentation Number:  Documen	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Controls 130.1(a) / 160.5(b)4B  Controls 130.1(a) / 160.5(b)4B  COFFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  STATE OF CAUIFORNIA  Indoor Lighting  CERTIFICATE OF CAMPIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP  Area  Manual Area Controls 130.1(a) / 160.5(b)4B  Shut-Off Controls 130.1(c) / 160.5(b)4C  Daylighting 130.1(d) / 160.5(b)4D  NA: General Itg <= 0.5W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: 24 hour/365 day NA: General Itg <= 2.0W/SF  NA: General Itg <= 0.5W/SF  NA: General Itg <= 2.0W/SF  NA: General Itg <= 0.5W/SF  NA: General I	ghting 140.6(a)1/ 5(b)4D 170.2(e)2A Pass Fail ieneral No	L ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE / SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0000 Report Generated: 2023 03 14 1142:35  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0000 Report Generated: 2023 03 14 1142:35  Registration Number:  CA Building CALIFORNIA FNERGY COMMISSION NECCLITE (Page 8 of 8) Indicated California FNERGY COMMISSION NECCLITE (Page 8 of 8) Indic	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Category Primary Function Area  Category Primary Function Area  Controls 130.1(a) / 160.5(b)4B  COFFEE SHOP  Dining (Low Vision)  Readily Accessible  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Registration For Courters Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CALIFO  CAFE DEL MAR ROASTER COFFEE SHOP  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP  Daving 130.1(c) / 160.5(b)4D  NA: General Lig < 0.5W/SF  NA: 24 hour/365 day  NA: General Lig < 2.00W  NA: General Lig < 0.5W/SF  NA: 24 hour/365 day  NA: General Lig < 2.00W  Schema Version: 2022.0.000  Schema Version: rev 20220.000  Schema Version: rev 20220.000  Schema Version: rev 20220.000  Schema Version: Daving 130.1(c) / 160.5(b)4D  Total Daving 130.1(c) / 160.5(b)4D  NA: General Lig < 0.5W/SF  NA: 24 hour/365 day  NA: General Lig < 1.00W  NA: General Lig < 0.5W/SF  NA: 24 hour/365 day  NA: General Lig < 1.00W  NA: General Lig < 0.5W/SF  NA: Gene	ghting 140.6(a)1/(b(b)4D) 170.2(e)2A Pass Fail leneral 120W Pass Pass Pass Pass Pass Pass Pass Pas	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0000 Compliance ID: 94742-0323-0002  Schema Version: rev 20220101 Report Generated: 2023 03-14 11:42:35  Lighting  CALIFORNIA ENERGY COMMISSION  NRCC-UT-E  The COMPLIANCE NRCC-UT-E  The COMPLIANCE OF COMPLIANCE NRCC-UT-E  The COMPLIANCE OF COMPLIANCE NRCC-UT-E  This section does not apply to this project.  A Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Schema Version: 2022.0000 Compliance ID: 94742-0323-0002  Report Generated: 2023 03-14 11:42:35  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  The COMPLIANCE NRCC-UT-E  This section does not apply to this project.  A Building Energy Efficiency Standards - 2022 Nonresidential Compliance  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.  CALIFORNIA ENFROY COMMISSION  NRCC-UT-E  This section does not apply to this project.	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Complete Building or Area Controls Category Primary Function Area  Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4B  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(d) / 160.5(b)4D  Readily Accessible  NA: General Ltg <- 0.5W/SF  NA: 24 hour/365 day  NA: General Ltg <- 0.5W/SF  NA: 24 hour/365 day  Readily Ltg <- 0.5W/SF  Plar  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CERTIFICATE OF COMPLIANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page: Date Prepared:  V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	ghting   Systems   140.6(a)1/  170.2(e)2A   Pass   Fail	L ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000
Area Description  Area  Complete Building or Area Controls 130.1(a) / 160.5(b)4A  Controls 130.1(b) / 160.5(b)4B  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4C  Controls 130.1(c) // 160.5(b)4D  Readily Accessible  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day Ltg < 120W  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Registration Frequence  Controls 130.1(b) / 160.5(b)4B  NA: General Ltg <= 0.5W/SF  NA: 24 hour/365 day  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000 Schema Version: rev 20220101  STATE OF CALIFORNIA  Indoor Lighting  CALIFO  CERTIFICATE OF COMPULANCE  Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP Report Page:  Date Prepared:  V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	ghting   Systems   140.6(a)1/  170.2(e)2A   Pass   Fail	L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY  This section does not apply to this project.  M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING  This section does not apply to this project.  N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS  This section does not apply to this project.  Registration Number:  Generated Date/Time:  Documentation Software: Energy Code Ace CAR Ruilding Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000  Compliance: ID: 94747-0232-0002  Schema Version: rev 2022.0101  Report Generated: 2023-93-14 11:42:35  LIGHTING  CALIFORNIA FINERCY COMMISSION  TO E COMPLIANCE  TO E COMPLIANCE  TO E COMPLIANCE  TO E COMPLIANCE  ONE CAPE DEL MARK ROASTER COPPES SHOP Report Page:  TO E COMPLIANCE  TO E COMPLIANCE  TO ENGINEERING  Signature Date:  Other Prepared:  Other Prepared:  Other Prepared:  Other Efficiency Standards of Compliance documentation is accurate and complete.  Including the Compliance of Compliance documentation is accurate and complete.  To ALLIFORNIA FINERCY COMMISSION  TO SIGNATURE COPPES SHOP Report Page:  Other Prepared:  Other Efficiency Standards of Compliance documentation is accurate and complete.  To ALLIFORNIA FINERCY COMMISSION  TO STANDARD FIN	ING UNIT LIGHTING on does not apply to this project.  RATION OF REQUIRED CERTIFICATES OF INSTALLATION  Form/Title  - Must be submitted for all buildings  on Number:  Generated Date/Time:  g Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Address: 768 N ETHAN WAY
City/State/Zip: ANAHEIM CA 92805

Documentation Software: Energy Code Ace

Compliance ID: 94742-0323-0002

Report Generated: 2023-03-14 11:42:35

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-E CAFE DEL MAR ROASTER COFFEE SHOP Report Page: (Page 3 of 8) Project Name: 2023-03-14T14:42:33-04:0

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is

<sup>1</sup>FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F

<sup>2</sup>Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the

ii Current Limiter

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

05

Watts per

luminaire<sup>2</sup>

documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are

06

determined

Mfr. Spec

Mfr. Spec

How is Wattage | Total Number

of Luminaires

8

Total Designed Watts: CONDITIONED SPACES

iii Overcurrent Protection

CALIFORNIA ENERGY COMMISSION

Documentation Software: Energy Code Ace

Report Generated: 2023-03-14 11:42:35

Compliance ID: 94742-0323-0002

2023-03-14T14:42:33-04:00

NRCC-LTI-E

(Page 6 of 8)

Calculation Method per 130.0(c)6

automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

Schema Version: rev 20220101

This table calculates wattage for modular lighting systems/ track lighting fixtures indicated on Table F and transfers wattage to Table F.

Documentation Software: Energy Code Ace

Report Generated: 2023-03-14 11:42:35

Compliance ID: 94742-0323-0002

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

**- ACC & ENGINEERING** 

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

10

Field Inspector

Pass

Fail

Track

Wattage

08

Excluded per

140.6(a)3/

No

170.2(e)2C

Design Watts

36

80

100

180

iv Power supplied by

transformer<sup>1</sup>

Documentation Software: Energy Code Ace

Report Generated: 2023-03-14 11:42:35

Compliance ID: 94742-0323-0002

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

professional

CONTRACTOR

HORIZONS CONSTRUCTION

432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER

DEL 3348

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 **ENGINEERING** 

SEAL / STAMP

SHEET NAME TITLE 24 ELECTRICAL

SHEET NUMBER

E-201

## HVAC SPECIFICATIONS

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

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

3. INSULATION OF DUCTS

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

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

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

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

5. INSPECTION

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

6. PIPE INSULATION

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

		PIPE INSU	JLATION T	HICKNES	S			_
	CONDUCTIVITY	INSULATION		NOMINA	L PIPE DI	IAMETER	(")	_
TEMP. RANGE	RANGE	MEAN	<1	1 TO	1.5 TO	4 TO <8	8 AND	
(°F)	(BTU-"/HR PER SQFT/°F)	RATING TEMP. (°F)	INICIII	<1.5	<4	 S REQUIF	LARGER	_
	,	. ,					( )	_
SPAC	E HEATING, HO	WATER SYSTE	MS AND	SERVICE	WATERF	HEATING :	SYSTEMS	<u>;</u>
350<	0.32-0.34	250	4.5	5.0	5.0	5.0	5.0	_
251-350	0.29-0.31	200	3.0	4.0	4.5	4.5	4.5	_
201-250	0.27-0.30	150	2.5	2.5	2.5	3.0	3.0	_
141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0	_
105-140	0.22-0.28	100	1.0	1.5	1.5	1.5	1.5	_
·-	SPACE COOLIN	G SYSTEMS (CH	ILLED W	ATER, RE	FRIGERA	NT AND E	BRINE)	_
40-60	0.21-0.27	75	NONRES	RES 0.75	NONRES	RES 0.75	1.0	1.
			0.5		0.5			L
<40	0.20-0.26	50	1.0	1.5	1.5	1.5	1.5	

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

7. TEMPERATURE CONTROLS

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

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

## SCOPE OF WORK

EXISTING COMMERCIAL TENANT IMPROVEMENT.

RE-USE EXISTING HVAC SYSTEM. PROVIDE DUCTWORKS THROUGHOUT THE SPACE COFFEE ROASTING MACHINE.

SYMB	OLS AND A	BBREVIATIONS				
SA		SUPPLY AIR PLENUM CROSS-SECTION				
RA		RETURN AIR PLENUM CROSS-SECTION				
CD		SUPPLY DIFFUSER				
RAG		RETURN AIR GRILLE				
EAG		EXHAUST AIR GRILLE				
SWS		SIDE WALL SUPPLY REGISTER				
SWR	-\- <u> </u>	SIDE WALL RETURN GRILLE				
	T	ROOM THERMOSTAT				
	(S)	ROOM SENSOR				
CFM		CUBIC FEET PER MINUTE				
EA		EXHAUST AIR				
EF		ROOF MOUNTED EXHAUST FAN				
ESP	\(\frac{\(\frac{1}{2} - \frac{1}{2}\)	EXTERNAL STATIC PRESSURE				
EXIST	(E)	EXISTING				
FD		FIRE DAMPER				
FLA		FULL LOAD AMPERES				
HZ		HERTZ				
HP		HORSEPOWER				
MVD		MANUAL VOLUME DAMPER				
NEW	(N)	NEW				
OSA		OUTSIDE SUPPLY AIR				
RLA		RATED LOAD AMPERES				
RA		RETURN AIR				
SA		SUPPLY AIR				
SD SD	•—	SMOKE DETECTOR				

STATIC PRESSURE **TYPICAL** REFER TO PLAN SHEETS FOR ANY UNDERCUT DOOR U/C ADDITIONAL LEGEND, U.T.R. UP THRU ROOF SYMBOLS AND

VTR

CD

DUCT DIAMETER

(INCHES)

13-30

31-36

FOOTNOTES:

LESS THAN 12

- RELATED ABBREVIATIONS. VENT THRU ROOF
- CO2 CO2 SENSOR MECHANICAL EQUIPMENT TAG POC

**NEW DUCT EXISTING DUCT** 

CONDENSATE DRAIN —— CD——

**DUCT GAUGE SELECTIONS** 

MINIMUM THICKNESS

GAUGE/INCHES)

26/.022

26/.022

24/.023

GALVANIZED IRON (U.S.

1. HEATING AND AIR CONDITIONING UNITS NOT EXCEEDING 2000 CFM OR ONE INCH

BE CONSTRUCTED OF MATERIAL NOT LESS THAN THE GAUGE OF THE DUCT.

CONSTRUCTED TO THE GAUGING REQUIREMENTS OF ANSI SMACNA 006-2006

2. DUCTWORK AND FITTINGS LARGER THAN TWENTY INCHES SHALL BE

WATER GAUGE (WG) POSITIVE OR NEGATIVE PRESSURE. DUCT FITTINGS SHALL

FOR GALVANIZED STEEL (SMACNA TABLE 1-4/E5)

MAXIMUM 1" W.G. STATIC POSITIVE AND NEGATIVE

HVAC DUCT CONSTRUCTION STANDARDS.

MINIMUM THICKNESS

ALUMINUM (INCHES)

.025

.025

.026

TOTAL SYSTEM BALANCE (6TH EDITION).

22.PROVIDE FILTER FOR AIR CONDITIONING AND/OR AIR SIDE UNITS AS REQUIRED PER ASHRAE AND MECHANICAL CODE.

STAGE COOLING WITH MATCHING SUBBASE AND TAMPER PROOF COVER.

25.CONDENSATE WASTE SHALL CONNECT INDIRECTLY TO THE DRAINAGE SYSTEM THROUGH AN AIR GAP OR AIR BREAK TO PROPERLY TRAPPED AND

26.WHERE CONDENSATE WASTE FROM AIR CONDITIONING COILS DISCHARGES BY DIRECT CONNECTION TO A LAVATORY TAILPIECE OR TO AN APPROVED ACCESSIBLE INLET ON A BATHTUB OVERFLOW, THE CONNECTION SHALL BE LOCATED IN AN AREA CONTROLLED BY THE SAME PERSON CONTROLLING

27.THE REFRIGERATION EQUIPMENT REFRIGERANT SERVICE PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING TYPE TAMPER RESISTANT CAPS OR SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS BY A MEANS ACCEPTABLE TO THE ENFORCING AGENCY.

28.THE HEATING AND COOLING DUCT SYSTEM IS SIZED IN ACCORDANCE WITH

## **HVAC GENERAL NOTES**

FLEXIBLE CONNECTION. SUN SHIELD OVER ENTIRE FLEXIBLE CONNECTIONS

CONTRACTOR SHALL ADD INSULATION THICKNESS INTO CONSIDERATION

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

36. ROUND AND RECTANGULAR DUCTWORK ARE INTERCHANGEABLE IF CROSS

SECTION AREAS ARE EQUIVALENT. CONTRACTOR IS TO VERIFY THE

37. ALL FACTORY-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181

38. INSTALL VOLUME CONTROL DAMPERS AT EACH SUPPLY DIFFUSER TO

FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS,

39. AUTOMATIC FIRE DAMPER REQUIREMENTS ARE AS FOLLOWS:

EXACT CEILING SPACE AND INTERCHANGE THE DUCT SIZE TO FIT THE

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

AFFORD COMPLETE CONTROL OF THE AIR FLOW IN THE VARIOUS DUCT

SYSTEMS. INSTALL SPLITTER DAMPER AT DUCT TAKEOFFS AND DAMPER

PROVIDE AUTOMATIC FIRE DAMPERS AT ALL PENETRATIONS

CONTRACTOR SHALL COORDINATE WITH FIRE-RATED CEILING

DRAWINGS. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY

OF FIRE-RATED CEILINGS AND WALLS THROUGHOUT.

AREAS AND WALLS AS INDICATED ON ARCHITECTURAL

OMISSIONS ON THE DRAWINGS. SEE SPECIFICATIONS.

LOCATION OF FIRE-RATED CEILINGS AND WALLS ARE AS

INDICATED ON THE ARCHITECTURAL DRAWINGS.

ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS.

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

GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN,

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

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

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

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

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

SMOKE DETECTORS IN LIEU OF DUCT DETECTORS) WITHOUT

46. PURCHASING PARTY SHALL ENSURE THE MOTOR SPECS PRIOR TO

ORDERING EXHAUST SYSTEM TO ENSURE THE PANEL IS BUILT

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

PENETRATION, CUTTING AND PATCHING BY GENERAL CONTRACTOR,

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

ACCESS EQUIPMENT THAT REQUIRE SERVICE ARE LOCATED WITHIN 10' OF

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

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

CA GREEN BUILDING NOTES

5.504.1 TEMPORARY VENTILATION. IF THE HVAC SYSTEM IS USED DURING

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

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL

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

5.504.5.3 IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY

EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION

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

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

AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP

OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED

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

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

OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE

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

5.506.1 FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS,

MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 OF THE CALIFORNIA

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

JURISDICTION FOR RELEASING SERVICE.

UNLESS OTHERWISE NOTED ON PLAN.

TO ADDITIONS OR ALTERATIONS.

WHICH MAY ENTER THE SYSTEM.

CODE, WHICHEVER IS MORE STRINGENT.

GALVANIZED MESH SCREENS AND OUTSIDE AIR BACK-DRAFT DAMPERS.

INTERCONNECTED TO SHUT DOWN IMMEDIATELY UPON ALARM CONDITION

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

FROM DUCT DETECTORS (OR FIRE ALARM SYSTEM WHEN USING AREA

INTERFERENCE FROM EMS OR ANY OTHER SYSTEMS. ALL CONTROL

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

OTHERWISE NOTED PER CODE.

MINIMUM ABOVE GRADE.

CORRECTLY.

REQUIRED IF FLEXIBLE CONNECTION IS EXPOSED TO WEATHER.

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

CEILING SPACE WITHOUT ADDITIONAL FEE CHARGE.

HAS BEEN INSTALLED.

BEFORE INSTALLATION.

LOCAL CODE.

AS REQUIRED.

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

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

SECURED TO STRUCTURAL MEMBER. EXPOSED DUCTWORK ON ROOF

SHALL BE SUPPORTED BY GALVANIZED STEEL ANGLE & SHALL BE PER

- 1. ALL WORK SHALL CONFORM TO MECHANICAL CODE, BUILDING CODE AND ALL OTHER APPLICABLE CITY CODES AND REGULATIONS.
- 2. THE OWNER SHALL PAY FOR ALL PERMITS AND FEES.

PURCHASING ANY MECHANICAL EQUIPMENT.

LOCATION.

- 3. CONTROL LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR AND CONDUIT BY ELECTRICAL CONTRACTOR.
- 4. CONDENSATE DRAIN PIPING AND FINAL CONNECTION TO UNIT BY PLUMBING
- 5. G.C. TO VERIFY CURRENT ELECTRICAL POWER CONDITION IN FIELD BEFORE
- 6. CONTRACTOR TO VERIFY MECHANICAL HEATING EQUIPMENT TO BE
- CONFORM TO LOCAL EPA STANDARD BEFORE PURCHASING EQUIPMENT. 7. ACCURATE AS-BUILT DRAWINGS SHALL BE MADE DURING CONSTRUCTION
- AND SUBMITTED FOR APPROVAL UPON COMPLETION OF INSTALLATION. 8. THE CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR SIZE AND LOCATION OF DUCTWORK ROOF OPENINGS AND WITH ELECTRICAL

CONTRACTOR FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL

EQUIPMENT AND ARCHITECTURAL DRAWINGS FOR AIR DISTRIBUTION

- 9. THE CONTRACTOR SHALL SUBMIT BID BASED ON THE DRAWINGS AND ALTERNATE FOR COST SAVING. THESE DRAWINGS ARE FOR BIDDING
- 10.THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. ALL MATERIALS AND WORK SHALL COMPLY WITH APPLICABLE CODES AND GOVERNING REGULATIONS AND MEET THE APPROVAL OF THE LOCAL JURISDICTION.
- 11.TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE MATERIALS BEFORE, DURING AND AFTER INSTALLATION. IN THE EVENT OF DAMAGE, IMMEDIATELY REPAIR ALL DAMAGED AND DEFECTIVE WORK TO THE APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 12.THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL OTHER TRADES. THIS INCLUDES COORDINATING THE LOCATION AND SIZE OF ALL OPENINGS, LOCATIONS OF EQUIPMENT PADS AND CHANGES OF ELEVATIONS OF DUCTWORK, PIPING AND OTHER EQUIPMENT.
- 13.ANY MATERIAL, ARTICLE OR PIECE OF EQUIPMENT OTHER THAN THAT INDICATED SHALL NOT BE USED UNLESS APPROVED IN WRITING BY THE ENGINEER AND ANY CHANGES IN MECHANICAL, ELECTRICAL AND/OR OTHER SYSTEMS REQUIRED DUE TO SUCH SUBSTITUTION SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR; AND AT NO ADDITIONAL COST TO THE OWNER.
- 14.THE CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT AND INFORM THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.
- 15.COORDINATE ENTIRE INSTALLATION OF THE H.V.A.C. SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- APPROVAL. SYSTEMS AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AIR BALANCE CONSULTANT. A CERTIFIED AABC OR NEBB. THE REPORT SHALL INCLUDE THE FOLLOWING: a.AIR QUANTITIES AT EACH REGISTER. b.STATIC PRESSURE READINGS AT INLET AND DISCHARGE OF EACH

16.CONTRACTOR SHALL SUBMIT A COMPLETE BALANCE REPORT FOR

- AIR HANDLING SYSTEM AND AT INLET OF EACH EXHAUST AIR c.COOLING AND HEATING SUPPLY AND RETURN AIR TEMPERATURES
- 17.WARRANTIES; 1-YEAR WARRANTY FOR EQUIPMENT, 5-YEAR COMPRESSORS. REFER TO CONSTRUCTION CONTRACT FOR OTHER APPLICABLE WARRANTIFS

AT EACH AIR CONDITIONING UNIT.

- 18.EQUIPMENT SPECIFICATION AND INTERLOCK DIAGRAM SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE OF EQUIPMENT FOR
- 19.ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 20.ALL HVAC AND FAN UNITS SHOWN ON THE PLAN IS RECOMMENDED. FINAL MAKE AND MODEL OF THE UNITS WILL BE DETERMINED BY THE OWNER/MECHANICAL CONTRACTOR WITH AN APPROVAL FROM THE MECHANICAL ENGINEER.
- 21.THE HVAC SYSTEM AND COMPONENTS SHALL BE TESTED, ADJUSTED AND BALANCED IN ACCORDANCE WITH AABC'S NATIONAL STANDARDS FOR
- 23.THERMOSTAT SHALL BE 24 VOLT, ONE STAGE HEATING AND ONE OR TWO
- 24.CONDENSATE PIPING SHALL BE SIZED IN ACCORDANCE WITH MECHANICAL
- VENTED RECEPTORS, DRY WELLS, OR THE TAILPIECE OF A PLUMBING
- THE AIR-CONDITIONED SPACE.
- 29.G.C. TO VERIFY SUFFICIENCY OF DUCT SPACE BEFORE PURCHASING ANY MECHANICAL EQUIPMENT.
- 30.DUCTWORK SHALL BE INSULATED OR LINED AS NOTED ON DRAWINGS. ALL DUCTWORK EXPOSED ON ROOF SHALL BE INTERNALLY LINED UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES ARE SHEET METAL SIZES. ALL DUCT JOINTS SHALL BE SEALED PER SPECIFICATIONS.
- 31.CONNECT MAIN DUCT TO AIR CONDITIONING UNIT WITH WEATHERPROOF

## CA TITLE 24 NOTES

## ADIMINISTRATIVE REQUIREMENTS:

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

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

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

B. WITHIN 90 DAYS AFTER ISSUANCE OF CERTIFICATE OF OCCUPANCY RECORD DRAWINGS SHALL BE PROVIDED TO THE OWNER. IF A BUILDING DESIGN FEATURE, MATERIAL, COMPONENT OR MANUFACTURED DEVICE IS CHANGED BEFORE FINAL CONSTRUCTION AND INSTALLATION, SUCH THAT THE BUILDING MAY NO LONGER COMPLY WITH PART 6, THE BUILDING MUST BE BROUGHT INTO COMPLIANCE, AND SO INDICATED ON AMENDED PLANS AND CERTIFICATE OF COMPLIANCE(S) THAT SHALL BE SUBMITTED FOR

C. THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR THE PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING:

- C.1. OPERATING INFORMATION: THE APPROPRIATE CERTIFICATE(S) OF COMPLIANCE AND A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING AND INSTRUCTIONS ON HOW TO OPERATE THEM EFFICIENTLY.
- C.2. MAINTENANCE INFORMATION: REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE OPERATION AND MAINTENANCE MANUAL.
- C.3. VENTILATION INFORMATION: A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH

## MANDATORY MEASURES:

- A. ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH LOCAL EFFICIENCY STANDARDS.
- B. JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
- C. ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE DESIGNED WITH DUCTWORK, DAMPERS, AND CONTROLS WHICH ALLOWS OUTSIDE AIR RATES TO BE OPERATED AT THE LARGER OF (1) THE MINIMUM LEVELS SPECIFIED IN SECTION 120.1(C)3 OR (2) THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS THAT ARE REQUIRED FOR AN EXEMPT OR COVERED PROCESS, FOR CONTROL OF ODORS, OR FOR THE REMOVAL OF CONTAMINANTS WITHIN THE SPACE. MEASURED OUTSIDE AIR RATES OF CONSTANT AND VARIABLE VOLUME MECHANICAL VENTILATION SYSTEMS SHALL BE WITHIN 10% OF OUTSIDE AIR RATE SHOWN ON TABLE 120.1-A.
- D. THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY TO CONTROL COMFORT HEATING DOWN TO 55 °F OR LOWER AND COOLING UP TO 85°F OR HIGHER. THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A DEAD BAND RANGE OF AT LEAST 5 °F WITHIN WHICH HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCE TO A MINIMUM.
- E. AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 CMC CODE AND ANSI/SMACNA -006-2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. SUPPLY-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 (R-8 IN UNCONDITIONED SPACE), UNLESS DUCTS ARE IN CONDITIONED SPACE.
- F. MAXIMUM LENGTH OF FLEXIBLE DUCT AND CONNECTORS SHALL NOT BE MORE THAN 5 FEET. FLEXIBLE DUCTS SHALL NOT BE USED IN LIEU OF RIGID ELBOWS.

G. EACH SPACE-CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROLS

(1) CAPABLE OF AUTOMATICALLY SHUTTING OFF THE SYSTEM DURING PERIODS OF NON-USE AND SHALL HAVE (A) 4-HR TIMER OR; (B) OCCUPANCY SENSORS OR; (C) AUTO TIME SWITCH CONTROLS AND ACCESSIBLE MANUAL OVERRIDE FOR UP TO 4-HRS. (2) AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN SETBACK THERMOSTAT SETPOINTS FOR MECHANICAL HEATING AND COOLING. (3) MULTIPURPOSE, CLASSROOMS CONFERENCE, CONVENTION, AUDITORIUM AND MEETING CENTER ROOMS OF CERTAIN SIZE WHICH DO NOT HAVE PROCESSES OR OPERATIONS THAT GENERATE DUSTS, FUMES, VAPORS OR GASSES SHALL BE EQUIPPED WITH OCCUPANT SENSOR(S) TO ACCOMPLISH THE FOLLOWING DURING UNOCCUPIED PERIODS (A) AUTOMATICALLY SETUP THE OPERATING COOLING TEMPERATURE SET POINT BY 2°F OR MORE AND SETBACK THE OPERATING HEATING TEMPERATURE SET POINT BY 2°F OR MORE AND; (B) AUTOMATICALLY RESET THE MINIMUM REQUIRED VENTILATION RATE WITH AN OCCUPANT SENSOR VENTILATION CONTROL DEVICE ACCORDING TO SECTION 120.1(C)5. (4) HOTEL AND MOTEL GUEST ROOMS SHALL HAVE CAPTIVE CARD KEY CONTROLS, OCCUPANCY SENSING CONTROLS, OR AUTOMATIC CONTROLS SUCH THAT, NO LONGER THAN 30 MINUTES AFTER THE GUEST ROOM HAS BEEN VACATED, SETPOINTS ARE SETUP AT LEAST +5°F (+3°C) IN COOLING MODE AND SET-DOWN AT LEAST -5°F (-3°C) IN HEATING MODE.



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805

Phone No.: 951-903-228

Ben@accandengineering.com

www.accandengineering.com

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER  $\infty$ 

**AUTHORITY HAVING JURISDICTION (AHJ)** BUILDING DIVISION | CITY OF NEWPORT BEACH **REVISIONS HISTORY** PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 ENGINEERING

> SEAL / STAMP No. M39074 ← \Exp. 09-30-24 /

SHEET NAME **MECHANICAL NOTES** 

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

NOTES:

NOTES:

1. PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES AS

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

3. AIR DEVICE SHALL BE OF STEEL CONSTRUCTION.

4. AIR DEVICE SHALL BE INSTALLED COMPLETE WITH MANUFACTURER AVAILABLE MOLDED INSULATION BACKING. FIELD-FABRICATED INSULATION BACKING IS NOT

ALLOWED UNLESS FIRST APPROVED BY THE OWNER'S CONSTRUCTION MANAGER.

THERMOSTATS INSTALLED AT 48"AFF.

INSTALL PER MANUFACTURER'S MANUAL.

## EXISTING OUTDOOR HEAT PUMP SCHEDULE

EQ	MARK	MANUFACTUER	MODEL	NOMINAL	COOLING CAP.	HEATING CAP.		ELECTRICAL		EER / SEER	ER HSPF	WEIGHT (LBS)		DIMENSIONS (HxWxD)
#	WARK	MANUFACTUER	MODEL	TONS	(BTUH)	(BTUH)	V/PH/HZ	MCA	MOCP	EER/SEER			(INCHES)	
HP -	1	RHEEM	RQKA - A036JK	4	-	-	-	-	-	-	-	-	-	
NOTES:	NOTES:													
1	INSTALL OUTDOOR UNIT WITH DISCONNECT SWITCH AND ALL WEATHERPROOF GFCI.													
2	2 INSTALL PER MANUFACTURER'S MANUAL.													

VENTILATION SCHEDULE							
ROOM	AREA	OSA REC	OSA REQUIRED		EXHAUST REQUIRED		
	S.F	RATE (CFM/SF)	REQ. CFM	RATE (CFM/SF)	REQ.FCM)	PROVIDED CFM	
105 + 101	332	0.5	166	0	0	0	
104 SERVICE AREA	138	0.15	21	0	0		
KITCHEN AREA	322	0.15	50	0	0		
UNI-SEX RESTROOM	44	0	0	70/WC,URL	70	110	
ROASTER MACHINE			336	0	0		
TOTAL REQUIRED			573				
TOTAL PROVIDED			600				

EXTEND CONDENSATE DRAIN DIRECTLY TO A LOCAL CODE APPROVED RECEPTOR.

## COFFEE ROASTER EXHAUST DUCT SYSTEM

## IMPORTANT DUCT REQUIREMENTS

DUCTING MUST BE SUITABLE FOR 500°F CONTINUOUS, 2,000°F FOR 30 MINUTES, AND COMPLY WITH UL-1978/ULC-SC662 STANDARD FOR GREASE DUCTS IN THE USA.

INSTALLATION MUST BE DONE IN ACCORDANCE WITH APPROPRIATE NFPA STANDARDS.

THE INSTALLATION MUST ALSO COMPLY WITH THE MANUFACTURER'S INSTALLATION SPECIFICATIONS AND ALLOWABLE DISTANCE TO COMBUSTIBLE/NONCOMBUSTIBLE MATERIALS

THE EXHAUST SYSTEM TO OPERATE WITH A STATIC FLUE PRESSURE BETWEEN NEGATIVE 0.15" WC (NEGATIVE PRESSURE - SUCTION) AND POSITIVE 0.25" WC (BACK PRESSURE) AT THE EXHAUST OF THE ROASTER (CYCLONE OR AFTERBURNER, AS

APPLICABLE) WHILE IN OPERATION.

THE CAP SHOULD NOT HAVE A SCREEN SINCE IT WILL CLOG WITH RESIDUE OF CHAFF OVER TIME.

THE ROASTER (CYCLONE ) MUST NOT SUPPORT THE WEIGHT OF THE EXHAUST SYSTEM. DUCTING MUST BE CONNECTED TO

THE ROASTER BASED ON THE DUCTING MANUFACTURER'S RECOMMENDATION.

THE EXHUAST DUCT MUST TERMINATE TO THE ROOF WITH A MIN DISTANCE OF 1 FEET OF ANY MAKE UP AIR UNITS.

SEE SHEET M-200 FOR CYCLONE DUCT DETAILS & DUCT SUPPORT.

## NEW COFFEE ROASTER SYSTEM WITH CYCLONE FILTERATION SYSTEM

(EQ)	MARK	MANUFACTUER	MODEL	EXHAUST AIR FLOW MAX.	EXHAUST DUCT	TEMP.		GAS INFORM	_		WEIGHT (LBS)	DIMENSIONS LxWxH
\ <b>#</b> /				(CFM)	(CFM)	(DEGRES)	GAS TYPE	GAS MAX CONSUMPTION	INLET PRESSURE	INLET SUPPLY CONNECTION	(250)	(INCHES)
ROASTE	ER -1	DIEDRICH ROASTE	IR-12 MANUAL RS WITH FILTER CYCLONE	363	8 INCHES	475°F BURNER OFF, 485°F PILOT OFF	NATURAL GAS	90,000 BTU/HR	8-9 IN WC	1" MALE NPT ON ROASTER	1,252	55 3/4 X 29 1/8 X 76 5/8 IN
ELECT	DICAL INEO	DMATION		•				•				

ELECTRICAL INFORMATION

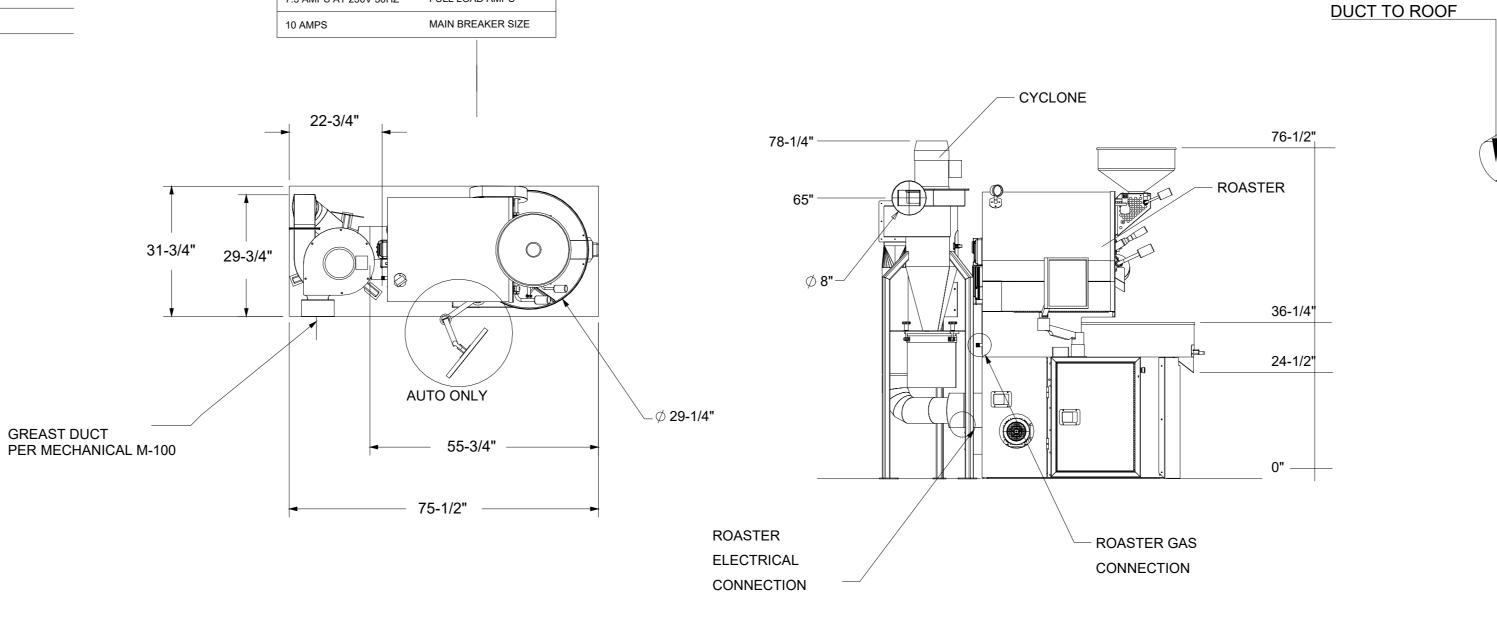
100-120V OR 200-240V VOLTS AC (1-PHASE)

NOTE:

FULL LOAD AMPS

7.5 AMPS AT 230V 50HZ

COFFEE ROASTER TO BE EQUIPPED WITH A BLOWER WHICH FORCES EXHAUST AIR INTO DUCTING.



PLAN VIEW ELEVATION VIEW

## NEW COFFEE ROASTER WITH CYCLONE FILTRATION SYSTEM

## DUCT SPECIFICATIONS FOR CYCLONE

SECTION PREFABRICATED, FIRE-RESISTANCE RATED GREASE DUCT FOR REMOVAL OF GREASE AND SMOKE LADEN VAPORS

SPECIFICATIONS TAG: DOUBLE WALL GREASE DUCT

PART 1 - GENERAL 1.1 SUMMARY

A. FACTORY-BUILT DOUBLE WALL GREASE DUCT.

## QUALITY ASSURANC

A. LISTED AND COMPLIES WITH SAFETY STANDARDS UL1978, UL2221, CAN/ULC-S144 AND TESTING HAS BEEN EXTENDED TO RECOGNIZE ASTM E2336 AND AC101 DUE TO SIMILAR TESTING CRITERIA.

B. WHEN INSTALLED IN ACCORDANCE WITH THESE INSTRUCTIONS AND NATIONAL FIRE PROTECTION ASSOCIATION "NFPA 96"; STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS. UL 2221: STANDARD FOR FIRE RESISTIVE GREASE DUCT ENCLOSURE ASSEMBLIES.

## CONSTRUCTION

A. INNER DUCT SECTION WALL SHALL BE CONSTRUCTED OF .036 THICK, 430 TYPE STAINLESS STEEL AND BE AVAILABLE IN DIAMETERS 5" THROUGH 10".

B. OUTER DUCT SECTION WALL SHALL BE CONSTRUCTED OF 430 STAINLESS STEEL AT A MINIMUM OF .024 THICKNESS.

C. DUCT SHALL INCLUDE 2 LAYERS OF SUPER WOOL 607 PLUS OR INSULFRAX ELITE BLANKET BETWEEN THE INNER

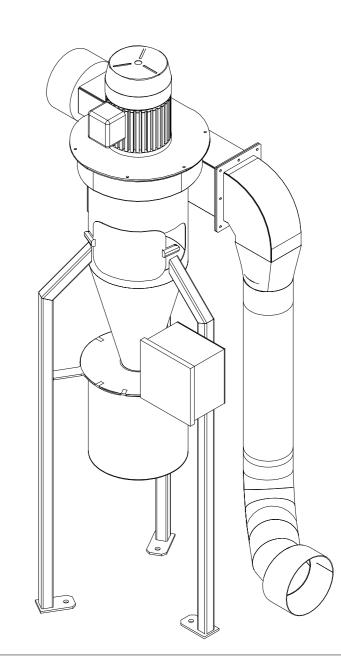
AND OUTER WALL INSULATION BETWEEN THE INNER AND OUTER WALL.

D. DUCT SECTIONS SHALL BE HELD TOGETHER BY THE MEANS OF A FORMED V CLAMP. V CLAMPS SHALL BE OF THE HEX-HEAD TYPE WITH FLANGED STOPS AND TAPERED "LEAD IN" THREADS.

# E. DUCT JOINTS SHALL BE SEALED WITH 3M FIRE BARRIER 2000+. F. PART 3 - EXECUTION 3.1 EXAMINATION

A. EXAMINE AREAS AND CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK.

B. IF UNSATISFACTORY CONDITIONS EXIST, CORRECT CONDITIONS PRIOR TO INSTALLATION.



ISO VIEW

NEW COFFEE ROASTER CYCLONE ISO VIEW



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannot bereproduced in any manner without the express writtenpermission from

professional

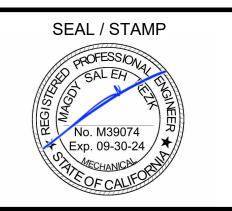


HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ)					
BUILDING DIVISION   CITY OF NEWPORT BEACH					
REVISIONS HISTORY					
PLAN CHECK#PC2022-2340					
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022				
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022				
3RD REVIEW BY ACC & ENGINEERING	03/10/2023				

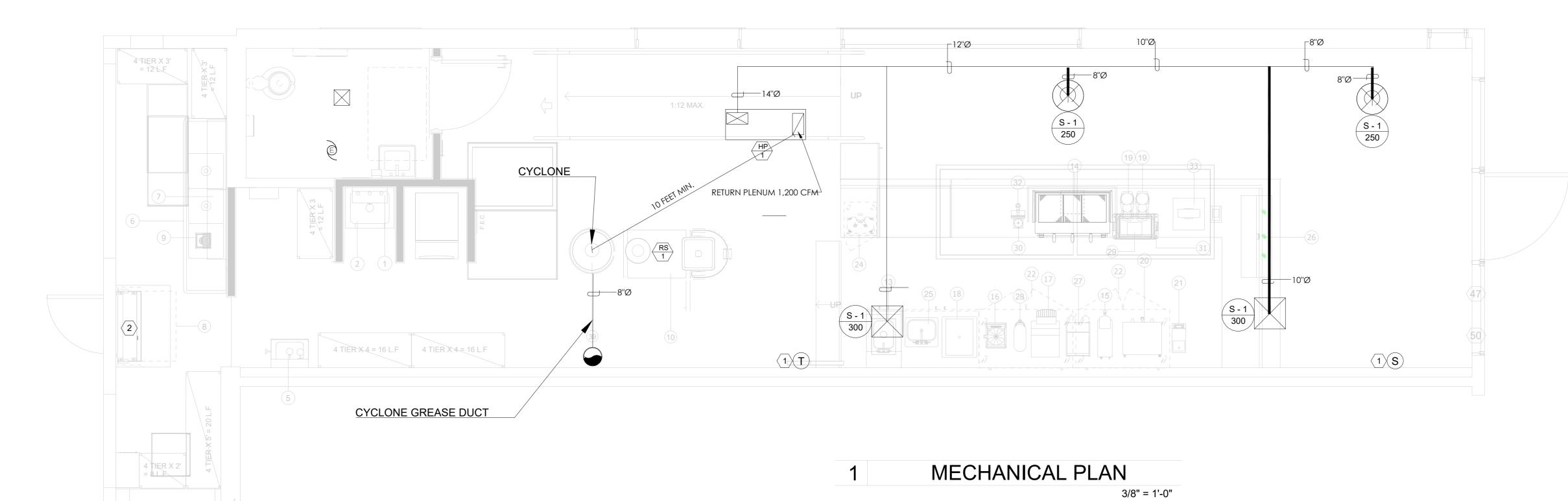


MECHANICAL SCHEDULES

SHEET NAME

SHEET NUMBER

M001



# (#) KEYED PLAN NOTES:

- 1. INSTALL PROGRAMMABLE THERMOSTAT 48"AFF AND MOUNT REMOTE SENSORS HIGH ON WALL.
- 2. INSTALL AIR CURTAIN AT DELIVERY DOOR. THE AIR CURTAIN SHALL PROVIDE A DOWNWARD-OUTWARD FLOW NOT LESS THAN 8" WIDE NOZZLE AND AN AIRFLOW NOT LESS THAN 1600 FPM ACROSS THE ENTIRE OPENING AT A POINT MEASURED 3' ABOVE THE FLOOR. THE AIR CURTAIN MUST BE ON AUTOMATICALLY WHEN THE DOOR IS OPENED.
  - ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
  - FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE CYCLONE OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'

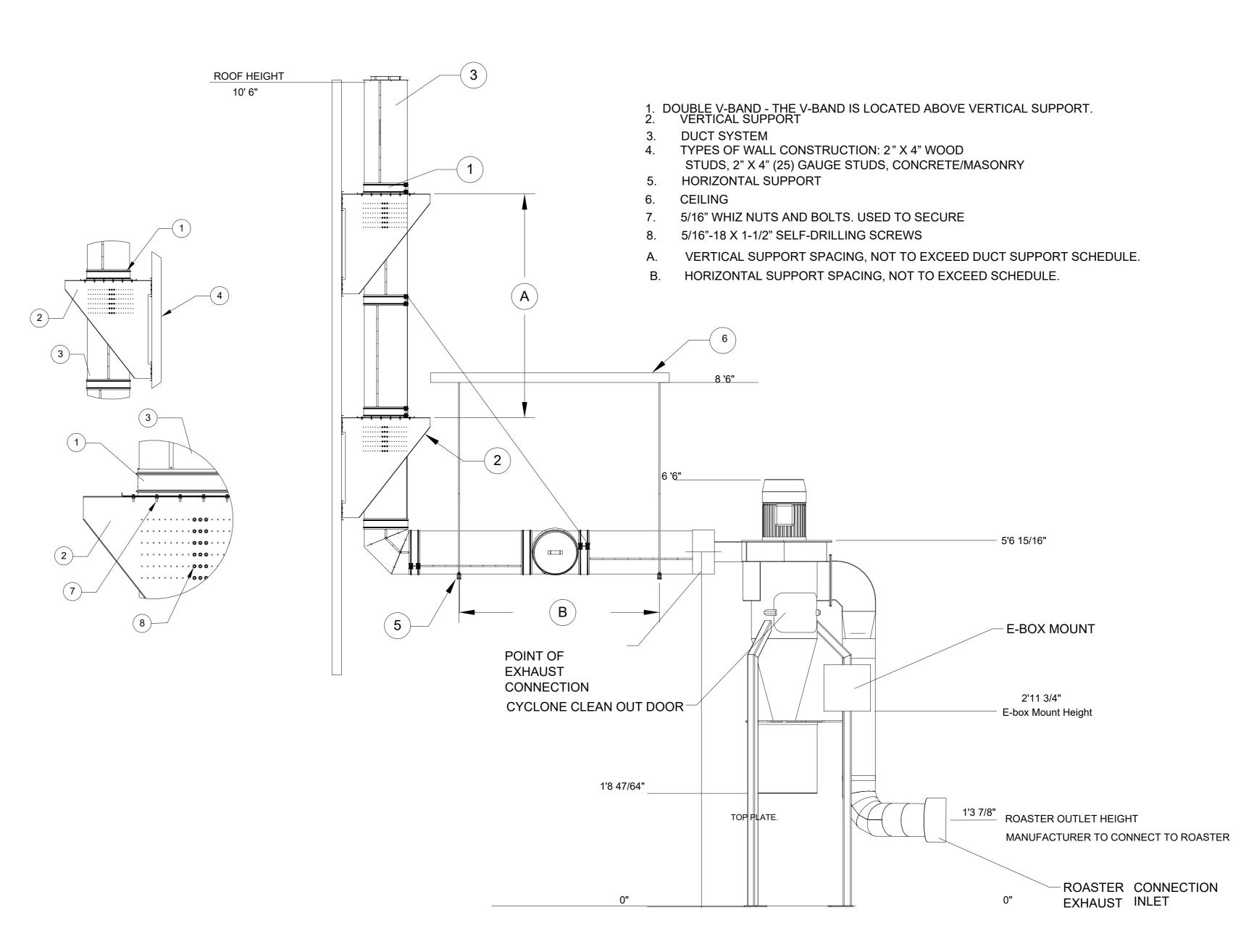
ALL DUCT PREFABRICATED, FIRE-RESISTANCE RATED GREASE DUCT FOR REMOVAL OF GREASE AND SMOKE LADEN VAPORS

MODEL DW-2R IS CLASSIFIED UNDER UL2221 (TEST OF FIRE RESISTIVE DUCT **ENCLOSURE** 

ASSEMBLIES) AS AN ALTERNATE TO 2-HR. FIRE RESISTIVE SHAFT ENCLOSURES WITH A REDUCED CLEARANCE TO COMBUSTIBLES (SIZES 5" TO 18" DIAMETER). MODEL 2R IS LISTED IN ACCORDANCE WITH THE

REQUIREMENTS FOR DUCT ENCLOSURE CONDITION

DUCT SUPPORT SCHEDULE



# 1 ENLARGED SECTION AT CYCLONE

N.T.S

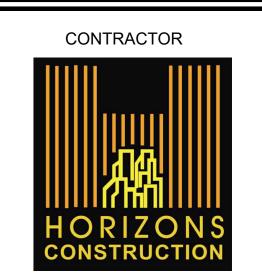


Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional

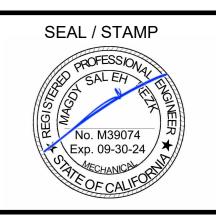


HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

	AUTHORITY HAVING JURISDICTION (AHJ)						
	BUILDING DIVISION   CITY OF NEWPORT BEACH						
	REVISIONS HISTORY						
ı	PLAN CHECK#PC2022-2340						
	1ST REVIEW SUBMITTED BY OTHERS	9/21/2022					
	2ND REVIEW SUBMITTED BY OTHERS	10/20/2022					
	3RD REVIEW BY ACC & ENGINEERING	03/10/2023					



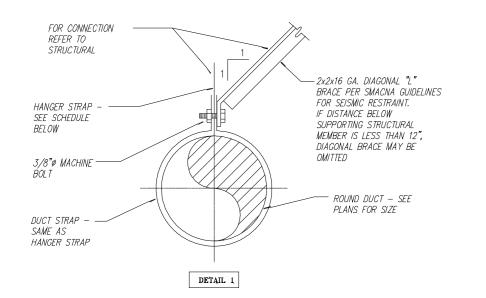
SHEET NAME MECHANICAL PLAN

SHEET NUMBER

M100

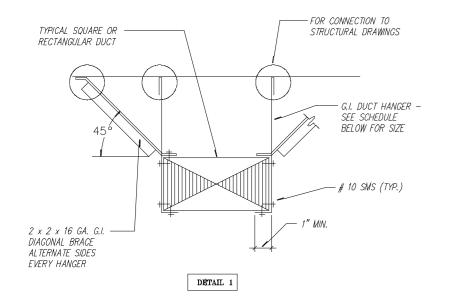


F	HANGER STRAP SCHEDULE							
DUCT SIZE	STRAP SIZE	MAX. LOAD EA. HANGER	MAX, SPACING					
UP THRU 10"	1" x 22 GA.	260 LBS	10'-0"					
11" TO 18"	1" x 22 GA.	260 LBS	10'-0"					
19" 70 24"	1" x 22 GA.	260 LBS	10'-0"					
25" TO 36"	1" x 20 GA.	320 LBS	10'-0"					



# ROUND DUCT

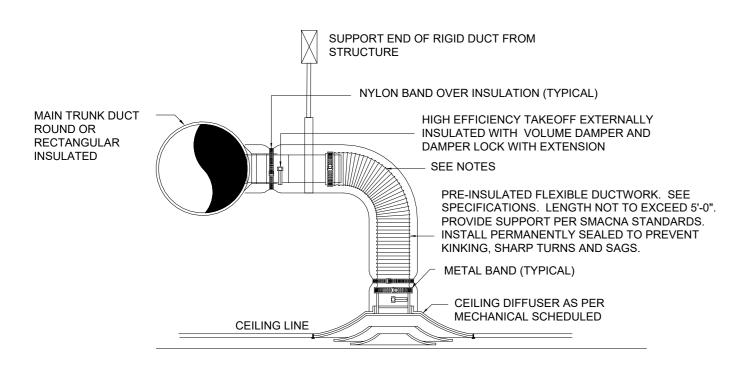
RECTANGULAR DUCT



WHERE DUCT IS 6 SF. OR LARGER IN CROSS SECTIONAL AREA — USE 2 1/2 x 2 1/2 x 16 GA. VERTICAL ANGLE IN PLACE OF HANGER AT

MAX. HALF OF DUCT PERIMETER	MAX. LOAD EACH HANGER	HANGER SIZE	HANGER SPACING
P/2 = 30"	260 LBS	1" x 22 GA.	10'-0" O/C
P/2 = 72"	420 LBS	1" x 18 GA.	10'-0" O/C
P/2 = 96"	700 LBS	1" x 16 GA.	10'-0" O/C
P/2 = 120"	1100 / BS	1 1/2" x 16 GA.	10'-0" O/C

SCALE: N.T.S. 1 DUCT SUPPORT DETAIL



NOTE: EXTEND HARD METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0". PROVIDE RIGID 90° ELBOW WHERE REQUIRED TO KEEP FLEXIBLE DUCT WITHIN 5'-0" LENGTH LIMITATION.

SCALE: N.T.S. 2 **CEILING DIFFUSER DETAIL** 

WITH THE REQUIREMENTS OF THE PLUMBING CODE.

2. TRAP DEPTH SHALL BE EQUAL TO THE UNIT TOTAL STATIC PRESSURE PLUS 1-INCH BUT

CONDENSATE DRAIN DETAIL

SCALE: N.T.S. 3



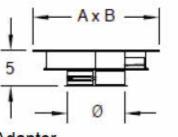


Figure 58: Fan Adapter



Figure 59: Cone Rain Cap

A CHIMNEY THAT MUST PENETRATE THROUGH A FLOOR, ROOF OR WALL MADE OF COMBUSTIBLE MATERIALS, MUST USE A ROOF THIMBLE (RT) OR A WALL THIMBLE (WT). THE MINIMUM AIR SPACE CLEARANCE BETWEEN THE OUTER WALL OF THE CHIMNEY AND THE COMBUSTIBLE MATERIAL OF THE ROOF / FLOOR / WALL LISTED IN THE TABLE 1 MUST ALWAYS BE RESPECTED WHEN USING A ROOF THIMBLE (RT) OR A WALL THIMBLE (WT).





	1		
Combustible Floor	Section	Combustible Floor	Roof Thimble Section
Visua	lization Roof Thi	mble Installed	

CYCLONE DUCT ROOF PENETRATION

SCALE: N.T.S. 2

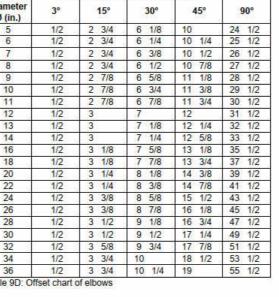


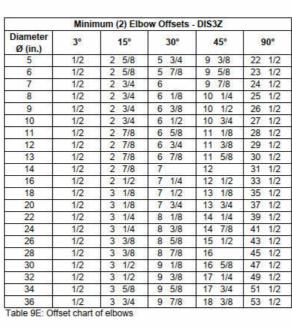
FLASHING TO BE USED IN CONJUNCTION WITH STORM COLLAR (INCLUDED) FOR WEATHERIZATION

AT THE ROOF.

CYCLONE DUCT ROOF PENETRATION

THROUGH PENETRATION FIRESTOP









TEES - 45° TEES (T45)





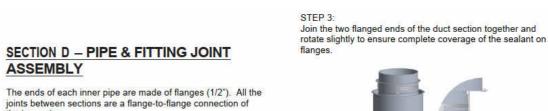




Figure 14: Joint Assembly step 3 Install the V-band around the flanges making sure the flanges are located within the V-Clamp.

NOTE: do not locate V-band hardware at the bottom side of horizontal ducts NOTE: light tapping with a hammer all around the



Figure 15: Joint Assembly step 4 Install the supplied AES insulation strips between sections to ensure that all gaps are filled. Be sure that insulation is tightly packed and completely fills the void between flue and closure band when assembled



Secure the Outer Casing with the Outer Band (BSE).

SEAL / STAMP

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA

Phone No.: 951-903-228

Ben@accandengineering.com www.accandengineering.com

This drawing is the property of the

below referenced professional

and is not to be used for any

purpose other than the specific

project and site named herein, and

cannotbereproduced

in any manner without the express

writtenpermissionfrom

professional

CONTRACTOR

HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER

DEL

3348

**AUTHORITY HAVING JURISDICTION (AHJ)** 

BUILDING DIVISION | CITY OF NEWPORT BEACH

REVISIONS HISTORY

PLAN CHECK#PC2022-2340

9/21/2022

10/20/2022

03/10/2023

1ST REVIEW SUBMITTED

2ND REVIEW SUBMITTED

3RD REVIEW BY ACC &

BY OTHERS

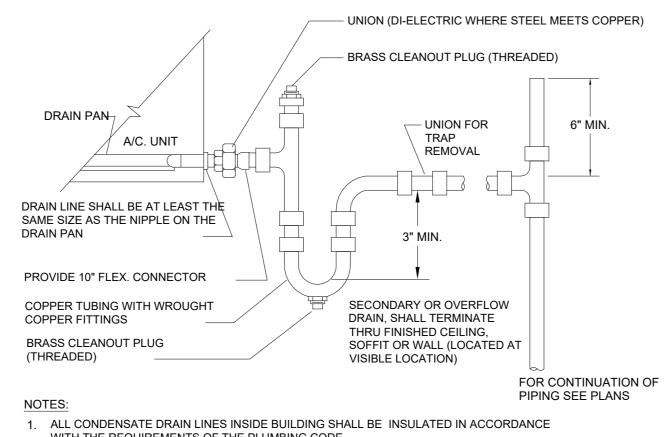
BY OTHERS

**ENGINEERING** 

Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805

SHEET NAME MECHANICAL DETAILS

SHEET NUMBER

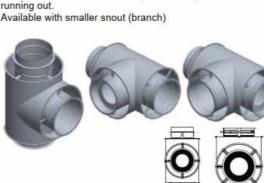


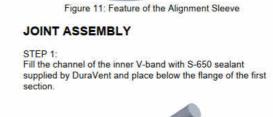
CONE RAIN CAP (CRC) / CONE RAIN CAP with

Used to provide the greatest degree of rain protection for a standard vertical termination without fan.



TEES - 90° TEES (T90) and 90° TEES with DAM (T90D1 or Used to change direction at 90° breeching. Can be used as an





SPECIAL FEATURE

All sections have an unattached "Alignment Sleeve". The alignment sleeve facilitates centering of adjacent sections and provides backing for the sealant applied to the flange

keeping the sealant in the intended location. Typically, it is

Although not required, it aids in easier assembly, better sealing and adds strength to the section joint

inserted in the downstream end but may be removed.









ERTIFICATE OF COMPLIANCE  his 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 ath outlined in 140.4, or 141.0(b)2 for alterations.	Mechanical Systems  CERTIFICATE OF COMPLIANCE  CALIFORNIA ENERGY	RGY COMMISSION STATE OF CALIFORNIA  NRCC-MCH-E  Mechanical Systems	CALIFORNIA ENERGY COMMISSION	
roject Name: CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page: (Page 1 of 10) roject Address: 3348 COAST HWY E,= NEWPORT BEACH, CA 92625 Date Prepared: 2023-03-14T15:36:16-04:00	Project Name:     CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY     Report Page:       Date Prepared:     2023-0	(Page 2 of 10) CERTIFICATE OF COMPLIANCE 3-14T15:36:16-04:00 Project Name: CAFE DEL	MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page:    NRCC-MCH-E   MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page:   Page 3 of 10)   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY Report Page:   NRCC-MCH-E   Mar Roaster Coffee Shop 3348 E COAST HWY REPORT HWY RE	TE OF CALIFORNIA    CALIFORNIA ENERGY COMMISS
a. GENERAL INFORMATION			Pr. 2023-03-14113:30:10-04:00	oject Name: CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page: [Page 4 of Date Prepared: 2023-03-14T15:36:16-04]
01 Project Location (city) NEWPORT BEACH 04 Total Conditioned Floor Area 824 02 Climate Zone 6 05 Total Unconditioned Floor Area 0	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	F. HVAC SYSTEM SUMMARY (DRY & WET SY  Dry System Equipment Sizing (includes air cond	ASSESSED ASSESSED	. FAN SYSTEMS & AIR ECONOMIZERS
OS Occupancy Types Within Project:  O6 # of Stories (Habitable Above Grade)  O Office • Restaurant	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	01 02		nis table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving onl rocess loads are exempt from these requirements and do not need to be included in Table H.
Office • Restaurant	System Summary 110.1, AND Pumps AND Pumps AND Fans/ Economizers AND System Controls AND Controls AND Terminal Box Controls AND Terminal Box AND Controls AND 140.4(x) AND 140.4(x) AND Cooling Towers	Name - In Equipment Category per	140.4(a&b), 170.2(c)1 & 170.2(c)2  Smallest Size	Altered System HVAC Quantit Fan System Alteratio System other Serving Not Serving Fan System Site other to
his 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	1 140 4K1 1 140 4C1 1 10 / 1/0 / 1	ompliance Results Name or Item Tag Tables 110.2, 140.4(a)2 and 170.2(c)3aii	140.4(a) and 170.2(c)1 Per Design Rated Heating Sensible Rated Heating Sensible	ystem HVAC lame SYSTEM 1 y 1 Fan System Status
40.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.  01  02  03	(See Table F) (See Table G) (See Table H) (See Table I) (See Table J) (See Table K) (See Table L) (See Table M)	COMPLIES	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	01 02 03 04 05 06 07 08 09 10 11
Air System(s)  Wet System Components  Dry System Components  Water Economizer  Air Economizer	Yes AND AND Yes AND Yes AND Yes AND Yes AND Yes AND	COMPLIES with Exceptional Conditions  HVAC SYSTEM 1 Unitary Heat Pumps	Air-cooled, pkg (1phase)  NA: Altered per 141.0(b)2E and 32.47 46.8 0 32.75 32.9 14.81 35.11	Fan lame Fan Tung Oty Component Airflow through Water Gauge Compone Au Fan Electrical Motor Electric
∑ Cooling Air System           □ Pumps           □ Electric Resistance Heat           ⇒ System Piping           ⇒ Fan Systems	Mandatory Measures Compliance (See Table Q for Details)  COMPLIES	<sup>1</sup> FOOTNOTES: Equipment shall be the smallest si. 140.4(a) and 170.2(c)1. Healthcare facilities are	ze, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per	Fan Type   Qty   Component   C
Mechanical Controls (existing to remain, altered or new)  Cooling Towers  Ductwork (existing to remain, altered or new)	D. EXCEPTIONAL CONDITIONS	<sup>2</sup> It is common practice to show rated output cap <sup>3</sup> If equipment is heating only, leave cooling outp	acity on the equipment schedule. Sensible cooling output comes from specification sheet tables. out and load blank. If equipment is cooling only, leave heating output and load blank.	SF Supply 1 None used 0 Manufactu 0.25
☐ Chillers     ☑ Ventilation       ☐ Boilers     ☐ Zonal Systems/ Terminal Boxes	This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  The permit applicant has indicated on Table J that natural ventilation is being utilized to meet ventilation requirements. Additional documentation may be requested.		calculations used for compliance per 140.4(b) and 170.2(c).  ackage Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)	Fan System Allowance (kW) <sup>3</sup> 0.37 Fan System Electrical Output (kW) 0.25
	Having Jurisdiction demonstrating compliance for natural ventilation design.	01 02	Heating Mode Cooling Mode	OOTNOTES: Fans serving spaces with design background noise goals below NC35 ow-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design
	E. ADDITIONAL REMARKS  This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	Name or Item Size Category Tag (Btu/h)	Rating Efficiency Efficiency ser	rflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load rved by the equipment shall have fixed loads. Fan system allowance includes fan system base allowance.
	F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)		Title 20 Title 20 50	ilter pressure loss can only be counted once per fan system. Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, both.
	Space Conditioning System Information           01         02         03         04         05	HVAC SYSTEM 1 <65,000		Computer room economizers must meet requirements of 140.9(a) and will be documented on the NRCC-PRC-E document
	System Name Quantity System Serving System Status Space Type Utilizing HVAC SYSTEM 1 Single zone Alteration	G. PUMPS  This section does not apply to this project.	R	Registration Number: Generated Date/Time: Documentation Software: Energy Code A
Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-0323-0003	Registration Number: Generated Date/Time: Documentation Softwar			A Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-0323-00 Schema Version: rev 20220101 Report Generated: 2023-03-14 12:36
Schema Version: rev 20220101 Report Generated: 2023-03-14 12:36:21  ATE OF CALIFORNIA	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance II Schema Version: rev 20220101 Report Generated: 2	: 94742-0323-0003 CA Building Energy Efficiency Standards - 2022 Nonr 023-03-14 12:36:21	esidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-0323-0003 Schema Version: rev 20220101 Report Generated: 2023-03-14 12:36:21	
Mechanical Systems  CALIFORNIA ENERGY COMMISSION  NRCC-MCI  NRCC-MCI	SIAL OF CHICAMIA	NIA FNERGY COMMISSION STATE OF CALIFORNIA		
roject Name: CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page: (Page 5 of 2023-03-14T15:36:16-04	0) CERTIFICATE OF COMPLIANCE	NRCC-MCH-E (Page 6 of 10)  NRCC-MCH-E (Page 6 of 10)  NRCC-MCH-E (Page 6 of 10)	CALIFORNIA ENERG	SY COMMISSION  NRCC-MCH-E
	Date Prepared:	2023-03-14T15:36:16-04:00 Project Name:	CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page:  Date Prepared: 2023-03-1	(Page 7 of 10) 14T15:36:16-04:00
an Energy Index (FEI)	J. VENTILATION AND INDOOR AIR QUALITY		•	
Name or Item Tag FEI Exception FEI	04 05 06	07 120.1(c) 141.0(b)2 and K. TERMINAL BOX CONTROLS		
SF None Applies 1  SYSTEM CONTROLS	System Name HVAC SYSTEM 1 System Design OA CFM System Design O 16	0.2(c)21 <sup>2</sup> This section does not apply to this provided	project.	
his table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 41.0(b)2E 180.2(b)2 for altered space conditioning systems.	08 09 10 11 12 13 14 15 Evh Vent per 120 1/c/4 &	L. DISTRIBUTION (DUCTWORK a	and PIPING)  rece with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.	
01 02 03 04 05 06 07 08 09	Space Name or Itom Tag  Conditioned # of Shower # of Required p	220.2(0)0	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation e weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction p	exposed to oiping located
System Name System Floor Area 110.2(b) & (c) <sup>1</sup> , 120.2(a) Controls Controls System Name System Floor Area 110.2(b) & (c) <sup>1</sup> , 120.2(a) Controls Cont	or Item Tag Occupancy Type <sup>4</sup> O	5E 160.2(c)5D  Duct Leakage Testing	outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.	
Zoning Being Served (ft²) 160.3(a)2A or 141.0(b)2E & 120.2(e) & 120.2(e) & 120.2(e) & 160.3(a)2D 160.3(a)2B 160.3(a)2B 140.4(f) & 140.4(f) & 170.2(c)4D 170.2(c)4D	DINNING AREA Cafeteria/ fastfood dining 713 106.95	Provided per <u>§120.1(d)4</u>	NR/ Common Use: Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems?	Yes
HVAC SYSTEM 1 Single zone <= 25,000 ft <sup>2</sup> Setback Auto Timer Switch Serves < NA: Serves temp. sensitive process NA: NA: No operable window sensitive sensiti	Occ Sensor	NA: Not required space type  Provided per  The answers to the questions below	W apply to the following duct systems:  HVAC SYSTEM DUCT  Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	
Switch 25k ft <sup>2</sup> process sensitive process  COOTNOTES: 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	SERVICE AREA All others 266 39.9	\$120.1(d)4  NA: Not required	Duct leakage testing per CMC Section 603.10.1 required for these systems?	No
ave setback thermostats.	Occ Sensor  17 Total System Required Min OA CFM  146.85 18 Ventilation for this System Complies?	space type 11 No	The scope of the project includes only duct systems serving healthcare facilities  Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.	
VENTILATION AND INDOOR AIR QUALITY  his table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and	<sup>1</sup> FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system <sup>2</sup> 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.	13 Yes	The space conditioning system serves less than 5,000 ft <sup>2</sup> of conditioned floor area.  The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:	
t24refnolink/]160.2, 160.3(a)3D, 170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit oplication 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.	systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems occupiable space.		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.  The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through f	ield verification
01 Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.	<sup>3</sup> Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence. <sup>4</sup> See Standards Tables 120.1-A and 120.1-B.	16 No 17 Yes	and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.  All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A	leid Verification
02 Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces	<ul> <li>For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.</li> <li>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 cont</li> </ul>		All ductwork is an extension of an existing duct system  Ductwork serving individual dwelling unit	
03 Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.  onresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems	Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).	ooms, restrooms, aisles 20 No	< 25 ft of new or replacement space conditioning ducts installed	
Registration Number: Generated Date/Time: Documentation Software: Energy Code Ac	e Registration Number: Generated Date/Time: Documentation	21 System Design Software: Energy Code Ace	Dust Insulation R-value	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 94742-0323-000	3 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Comp	liance ID: 94742-0323-0003 Registration Number: rated: 2023-03-14 12:36:21	Generated Date/Time: Documentation Software:	Energy Code Ace
Schema Version: rev 20220101 Report Generated: 2023-03-14 12:36:2		CA Building Energy Efficiency Standard	ds - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 9 Schema Version: rev 20220101 Report Generated: 202	
ATE OF CALIFORNIA  Iechanical Systems  CALIFORNIA ENERGY C	STATE OF CALIFORNIA  OMMISSION Mechanical Systems	CALIFORNIA ENERGY COMMISSION		
RTIFICATE OF COMPLIANCE	NRCC-MCH-E CERTIFICATE OF COMPLIANCE	NRCC-MCH-E	STATE OF CALIFORNIA  Mechanical Systems	CALIFORNIA ENERGY COMMISSION
oject Name: CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page:  Date Prepared: 2023-03-14T1	Page 8 of 10) Project Name:  CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page:  Date Prepared:	(Page 9 of 10) 2023-03-14T15:36:16-04:00	CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
			Project Name: CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page: Project Address: Date Prepared:	(Page 10 of 10) 2023-03-14T15:36:16-04:00
. COOLING TOWERS	Q. MANDATORY MEASURES DOCUMENTATION LOCATION  This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.			
iis section does not apply to this project.	This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.  01	02	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  I certify that this Certificate of Compliance documentation is accurate and complete.	
DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block No	Plan sheet or construction document location	Documentation Author Name:  Ben Hamed  Documentation Author	or Signature:
Form/Title	03 Mandatory Measure	04 Plan sheet or construction document location	Company: ACC & ENGINEERING Signature Date: 03/14	1/2023
RCI-MCH-01-E - Must be submitted for all buildings	Heating Equipment Efficiency per 110.1 Cooling Equipment Efficiency per 110.1	7.7 14.0	Address: 768 N ETHAN WAY  City/State/Zip: ANAHEIM, CA 92805  CEA/ HERS Certification Phone:949-942-8797	on Identification (if applicable):
DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	Furnace Standby Loss Control per 110.2(d)	HSPF	RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	
		N/A N/A	<ol> <li>The information provided on this Certificate of Compliance is true and correct.</li> <li>I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system of the sum of the building design or system of the building design of the buil</li></ol>	
Form/Title Systems/Spaces Verifie			3 The energy features and performance specifications, materials, components, and manufactured devices for the building design	on or system design identified on this Certificate of Compliance conform to the requirements
	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)	N/A N/A	of Title 24, Part 1 and Part 6 of the California Code of Regulations.	ormation provided on other applicable compliance documents, worksheets, calculations,
Verifie  RCA-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  HVAC SYSTEM 1	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	N/A N/A	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 informal 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	s) issued for the building, and made available to the enforcement agency for all applicable
Verifie RCA-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 apply Fan VFD Acceptance (if applicable) since testing activities overlap. RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to DINNING AREA; S	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the december of the Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie  RCA-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 upply Fan VFD Acceptance (if applicable) since testing activities overlap.  RCA-MCH-04 - Air Distribution Duct Leakage  HVAC SYSTEM DU	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the december of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie RCA-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 apply Fan VFD Acceptance (if applicable) since testing activities overlap. RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.  HVAC SYSTEM DUCTOR CONTROL OF AREA (CO2) CONCENTRATION OF AREA (CO2) CO2 (CO2) CONCENTRATION OF AREA (CO2) CO2 (	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  TO Be Field	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the december of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Date Signed:03/14/20	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie RCA-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 apply Fan VFD Acceptance (if applicable) since testing activities overlap.  RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.  DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  Form/Title  Systems/Spaces Verifie	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  TO Be Field	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie RCA-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 upply Fan VFD Acceptance (if applicable) since testing activities overlap.  RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.  DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  Systems/Spaces	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  TO Be Field	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie RCA-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 upply Fan VFD Acceptance (if applicable) since testing activities overlap. RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.  DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  Form/Title  Systems/Spaces Verifie	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  TO Be Field	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie RCA-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 apply Fan VFD Acceptance (if applicable) since testing activities overlap.  RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.  DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  Form/Title  Systems/Spaces Verifie	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-(f)  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  TO Be Field	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie RCA-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 upply Fan VFD Acceptance (if applicable) since testing activities overlap. RCA-MCH-04 - Air Distribution Duct Leakage RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.  DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  Form/Title  Systems/Spaces Verifie	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b) The air duct and plenum system is designed per 120.4(a)-(f) Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  To Be Field d	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
POTITITIE  RCA-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  RCA-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  RCA-MCH-04 - Air Distribution Duct Leakage  RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.    DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b) The air duct and plenum system is designed per 120.4(a)-(f) Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  To Be Field d  gy Code Ace 2-0323-0003  Resistation Number:  Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b) The air duct and plenum system is designed per 120.4(a)-(f) Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	N/A	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
Verifie  RCA-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  RCA-MCH-04 - Air Distribution Duct Leakage  RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to DINNING AREA; S 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.    DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b) The air duct and plenum system is designed per 120.4(a)-(f) Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  To Be Field d  gy Code Ace 2-0323-0003  Resistation Number:  Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b) The air duct and plenum system is designed per 120.4(a)-(f) Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	400 May 100	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 informal 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the defendance of Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/20  Address: 768 N ETHAN WAY  License: M39074	s) issued for the building, and made available to the enforcement agency for all applicable ocumentation the builder provides to the building owner at occupancy.  Signature
POTITITIE  RCA-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  RCA-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  RCA-MCH-04 - Air Distribution Duct Leakage  RCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 20.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.    DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-{f}  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  TO Be Field  d  gy Code Ace  2-0323-0003 14 12:36:21  Registration Number:  Generated Date/Time:	N/A  Documentation Software: Energy Code Ace	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 inforplans 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the divided wit	Documentation Software: Energy Code Ace  Compliance ID: 94742-0323-0003
POTITY IT	Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)  The air duct and plenum system is designed per 120.4(a)-{f}  Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2  To Be Field d  To Be Field d  Registration Number:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Generated Date/Time:  Report Version: 2022.0.000	Documentation Software: Energy Code Ace Compliance ID: 94742-0323-0003	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 Inforbans 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) inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the disparance in the Responsible Designer Name: MAGDY SALEH REZK  Responsible Designer Name: MAGDY SALEH REZK  Company: ACC& ENGINEERING  Date Signed:03/14/2C Address: 768 N ETHAN WAY  License: M39074  City/State/Zip: ANAHEIM, CA 92805  Phone: 9519032284  Registration Number:  Generated Date/Time:  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  Report Version: 2022.0.000	Documentation Software: Energy Code Ace  Compliance ID: 94742-0323-0003

STATE OF CALIFORNIA

Mechanical Systems

- ACC & ENGINEERING -

Documentation Software: Energy Code Ace

Compliance ID: 94742-0323-0003 Report Generated: 2023-03-14 12:36:21

Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer
ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

PROJECT NAME LOCATION O	WNER
DEL MAR ROASTER EPS  3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED BY OTHERS 2ND REVIEW SUBMITTED BY OTHERS 10/20/2022 3RD REVIEW BY ACC & ENGINEERING 03/10/2023

SEAL / STAMP



**MECHANICAL TITLE 24** 

SHEET NUMBER

M-201

## PLUMBING LEGEND

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

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

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

## SCOPE OF WORK

- EXISTING COMMERCIAL SUITE TENANT IMPROVEMENT.
- PROVIDE NEW PLUMBING FIXTURES AND CONNECTIONS THROUGHOUT THE

NEW GAS TANKLESS-WATER HEATER.

## PLUMBING SPECIFICATION

## 1.CLEANOUTS

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

- EVERY PLUMBING FIXTURE SHALL BE INDEPENDENTLY VALVED.
- ALL SEWERS AND WATER PIPING SHALL BE PROPERLY TESTED TO THE
- 4.EXCAVATION AND BACK FILLING TRENCHES SHALL BE BACK FILLED AND SETTLED BY PUDDLING. NO PIPE SHALL BE LESS THAN 12" BELOW FINISH GRADE.

SATISFACTION OF THE ARCHITECT AND THE LOCAL BUILDING INSPECTOR.

**5.PIPING SUPPORTS** ALL PIPING TO BE SUPPORTED WITH HANGERS AND BRACKETS WHICH PROVIDE ISOLATION FROM FRAMING. CONTACT BETWEEN PIPE AND SUPPORT TO BE LINED WITH PLASTIC OR FELT.

## **ENERGY CONSERVATION STANDARDS**

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

PIPE SIZE IN DIAMETER	INSULATION THICKNESS
1/2"	1/2"
3/4"	1"
1"~1-1/2"	1-1/2"
2" OR GREATER	2"

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

CA GREEN BUILDING NOTES

5.303.2 PLUMBING FIXTURES SHALL MEET THE MAXIMUM FLOW RATE VALUES SHOWN

5.303.3.1 WATER CLOSETS. THE EFFECTIVE FLUSH VOLUME OF ALL WATER

NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE

COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE

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

OF FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GALLONS PER FLUSH.

5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS. LAVATORY FAUCETS SHALL

HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT

5.303.4.2 KITCHEN FAUCETS. KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW

FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT60 PSI, AND MUST DEFAULT

RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN

5.303.6 PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE

STANDARDS REFERENCED IN TABLE 1401.1 OF THE CALIFORNIA PLUMBING CODE

CONTRACTOR NOTES

FIELD VERIFY ALL EXISTING PLUMBING CONDITIONS PRIOR TO START OF WORK.

VERIFIED SCOPE REPRESENTED BUT NOT LIMITED TO THE EXISTING CONDITIONS,

IN THE EVENT THAT THE PLANS DO NOT REPRESENT FIELD CONDITIONS, CONTACT

THE OWNER, ARCHITECT, OR DESIGNATED ENGINEER/DESIGNER PRIOR TO START

TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.

WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE

AND IN CHAPTER 6 OF THIS CODE.

SIZES AND LOCATIONS OF THE FOLLOWING:

SANITARY SEWER PIPE

WATER SUPPLY PIPE

PLUMBING FIXTURES

HOT WATER PIPE

OF ANY WORK.

CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER

CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND

EPA WATER SENSE SPECIFICATION FOR TANK-TYPE TOILETS.

SHOWERHEADS) SHALL COMPLY WITH THE FOLLOWING:

0.2 GALLON PER CYCLE(SELF-CLOSING)

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

KITCHEN FAUCETS: 1.8 GALLON PER MINUTE @ 60 PSI

IN TABLES A5.303.2.2.

- - TWELVE INCH (12") SECTION OF RED BRASS PIPE.
  - OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
  - HANDICAP LAVATORIES AND SINKS WITH INSULATING TAPE AND OFFSET P-TRAP WHEELCHAIR ACCESS SIDE OF STALL.

  - SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
  - 20.PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BASE BID. HE SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND FUTURE WORK TO BE
  - AND REQUIREMENTS PRIOR TO BASE BID WITH ALL LOCAL DISTRICTS AND
  - 22.PROVIDE RECIRCULATION PUMP FOR HOT WATER WHEN THE HOT WATER PIPE IS
  - 23.PROVIDE TRAP SEAL PRIMER FOR FLOOR DRAIN SUBJECT TO INFREQUENT USE.
  - STRUCTURE TO AS GREAT EXTENT AS POSSIBLE. ALL EXPOSED CONDUITS, USING STANDOFF BRACKETS.
  - 25.PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS ANY AISLE WAY, TRAFFIC
  - 26.MULTIPLE RUNS OR CLUSTERS OF PIPELINES SHALL BE FURRED IN OR ENCASED IN AN APPROVED SEALED ENCLOSURE.
  - SURFACE AND HAVE SUITABLE EASILY REMOVABLE SAFETY COVER GRATES.
  - 28.FLOOR SINK TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING EQUIPMENT.
  - 29.APPROVED BACKFLOW PREVENTION DEVICES SHALL BE PROPERLY INSTALLED UPSTREAM OF ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND A SOURCE OF CONTAMINATION. HOSES SHALL NOT BE ATTACHED TO A FAUCET
  - 30.ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING
  - 31.EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES ABOVE THE FLOOD-LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING
  - 32.EACH VENT SHALL TERMINATE NOT LESS THAN 10 FEET FROM, OR AT LEAST 3 FEET ANY LOT LINE.

## **GENERAL NOTES**

- 1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- 2. THE PLUMBING SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL CONFORM TO THE 2022 CPC AND AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICTS WITH CODES, DRAWINGS, OR SPECIFICATIONS, THE MOST STRINGENT SHALL
- 3. THE DRAWINGS WERE PREPARED WITH THE BEST STRUCTURAL AND ARCHITECTURAL INFORMATION AVAILABLE. IT IS UNDERSTOOD THAT EQUIPMENT LOCATIONS AND ROUTING OF PIPING MAY VARY FROM THAT SHOWN ON THE PLANS AS CONSTRUCTION PROCEEDS. IT IS THE CONTRACTORS RESPONSIBILITY TO:
- a. NOTIFY THE MECHANICAL ENGINEER OF CONSTRUCTION RESTRAINTS WHICH MAKE VARIATIONS FROM THE PLANS NECESSARY.
- b. COMPLETE ALL WORK INCLUDING THE VARIATIONS WITHOUT CHARGING EXTRAS TO THE BID CONTRACT. COMPLETION OF WORK MEANS THE JOB IS WORKING AND MEETS ALL CITY, COUNTY AND UNIFORM MECHANICAL, PLUMBING AND BUILDING CODE REQUIREMENTS.
- 4. THESE DRAWINGS DO NOT INCLUDE ALL NECESSARY SAFETY REQUIREMENTS. CONTRACTOR TO COMPLY TO THE SAFETY REQUIREMENTS SET FORTH BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
- THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THEY ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BONDS, UNIONS, SPECIFIC FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED.
- 6. THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER, SEWER AND STORM DRAIN SYSTEMS AND CONNECT TO EACH DESIGNATED POINT OF CONNECTIONS 5'-0" OUTSIDE OF THE BUILDING. ALL SEWER SYSTEM SHALL MEET THE REQUIRED INVERT ELEVATION SHOWN ON THE CIVIL DRAWINGS. PIPING BEYOND THIS POINT IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATION AND SHALL BE AS SHOWN ON THE CIVIL DRAWINGS.
- 7. THE OWNER SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTION AND SHALL MAKE APPLICATION FOR SERVICE AND PERMITS AND SHALL PAY ALL FEES AND CHARGES INCLUDING THE COST OF VAULTS
- 8. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING, SKYLIGHT, ETC.
- 9. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL LIGHTING PLAN.
- 10.COORDINATE ALL LOCATIONS, SIZES AND ELEVATIONS OF ALL SLEEVES THROUGH WALLS, BEAMS, SLABS AND FOOTING WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS. ALL PIPES SLEEVING THROUGH FOOTINGS SHALL HAVE A SLEEVE DIAMETER OF TWO PIPE SIZES OVER THE PIPE PASSING THROUGH THE FOOTING.
- 11. CONTRACTOR MUST NOT CUT, RELOCATE, COMPROMISE, DAMAGE OR OTHERWISE ALTER THE ROOF STRUCTURE. THE JOISTS WHICH OCCUR THROUGHOUT ALL THE MECH. BAY AREAS LIKE WISE MUST NOT BE ALTERED.
- 12.BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
- 13.CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A
- 14.ALL FLOOR AND WALL PENETRATIONS MUST BE SEALED WATERTIGHT AND VERMIN
- 15.ALL EXTERIOR GAS COCKS, WATER SHUTOFF VALVES AND/OR SEWER CLEAN OUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
- 16.EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE
- 17.SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW AGAINST WALL. ALL FLUSH VALVES FOR HANDICAP SHALL BE LOCATED ON HANDICAP
- 18.ALL WASTE, SOIL AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE
- 19.ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT
- DONE. HE SHALL INCLUDE ALL HIS SITE INFORMATION AND CONDITIONS WITHIN HIS BASE BID. HE SHALL BE RESPONSIBLE FOR COMPLETE AND FULLY FUNCTIONING
- 21.PLUMBING CONTRACTOR SHALL COORDINATE COMPLETE PLUMBING INSTALLATION GOVERNING AUTHORITIES. INCLUDE ALL FINDINGS WITHIN THE BASE BID.
- OVER 50'. NON-RECIRCULATED FIXTURE BRANCH PIPING SHALL NOT EXCEED 25 FT
- 24.ALL PLUMBING, AND GAS LINES SHALL BE CONCEALED WITHIN THE BUILDING PLUMBING, ETC. SHALL BE INSTALLED AT LEAST 6" OFF FLOOR AND 3/4" FROM WALLS
- AREA OR DOOR OPENING.
- 27.ALL LIQUID WASTE SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO A FLOOR SINK. FLOOR SINKS ARE TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR
- OR HOSE BIBB UNLESS AN APPROVED BACKFLOW PREVENTER IS PROVIDED.
- HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.
- FROM, OR NOT LESS THAN 3 FEET ABOVE, ANY OPENABLE WINDOW, DOOR, OPENING, AIR INTAKE, OR VENT SHAFT, OR NOT LESS THAN 3 FEET IN EVERY DIRECTION FROM

	PLI	<b>JMBING</b>	FIXTU	RE UNI	ITS LOA	DS SCHED	ULE
		NO	\	WATER LO	AD	WASTE LOA	D
FIXTURE OR EQUIPMENT TYPE	MARK	NO. OF FIXTURES	WATER FU. PER FIXTURE	COLD WATER F.U	HOT WATER F.U	WASTE F.U PER FIXTURE	TOTAL WASTE FU
HAND SINK	HS-1	2	2	2	2	2	2x2= 4 F.U
COFFEE BREWER	20	1	0.5	0.5	-	-	-
ESPRESSO MACHINE	14	1	0.5	0.5	-	INDIRECT	INDIRECT
HOT WATER DISP.	15	1	0.5	0.5	-	-	-
GLASS FILLER	32	2	0.5	0.5	-	INDIRECT	INDIRECT
PITCHER RINSER	30	2	0.5	0.5	-	INDIRECT	INDIRECT
MOP SINK	MS-1	1	3	3	3	3	3 F.U
FLOOR DRAIN	FD-1	2	-	-	-	3	3x2 = 6 F.U
3 COMP SINK	S-3	1	2	2	2	INDIRECT	INDIRECT
SINGLE BOWL SINK	S-1	1	2	2	2	INDIRECT	INDIRECT
ICE MACHINE.	23	1	0.5	.5	-	INDIRECT	INDIRECT
ICE BIN	18	1	-	-	-	INDIRECT	INDIRECT
FLOOR SINK	FS-1	3	-	-	-	6	3x3=18 F.U
LAVATORY	LAV-1	1	1	1	1	1	1
WATER CLOSET	WC-1	1	1	1	1	4	4
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
TOTAL	-	-	-	14	12	-	36

## WATER CALCULATION

## STREET MAIN TO THE FARTHEST OUTLET

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

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

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

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

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

PLUMBING FIXTURE	MIN. FLOW RECRUITMENT	NUMBER OF FIXTURES	DEMAND (GPM)				
3 COMP. SINK (S-3)	2 GPM PER FAUCET	1	2				
LAVATORIES (LAV-1)	0.5 GPM	1	0.5				
SINGLE COMP. SINK (S-1)	0.5 GPM	1	0.5				
MOP SINK (MS-1)	2.0 GPM	1	2				
HAND SINK (HS-1)	0.5 GPM	2	1				
EQUIPMENTS PER ANSI ACCREDITED CERT PROG. N/A N/A							

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

# WATER HEATER SCHDULE

ITEM	QTY	MAKE	OPERATION	TYPE	Temperature Rise (°F)	30	40	45	50	60	70	80	90
WH 1	1	NORTIZ	NATURAL GAS	GAS FIRED TANKLESS WATER	Flow Rates (GPM) Temperature Rise (°F)	11.1	9.7	8.7 120	7.8 130	6.5 140	5.5	4.8	4.3
				HEATER	Flow Rates (GPM)	3.9	3.5	3.2	3.0	2.8			

MODEL NAME		NCC199CDV (GQ-C3260WZ-FF US)
WEIGHT		70 POUNDS
OPERATING P	RESSURE	15 - 150 PSI
GAS SUPPLY F	PRESSURE	NG: 3.5" - 10.5"
WATER HOLDI	NG CAPACITY	0.80 GALLON (3.2L)
	Water Inlet	3/4" NPT
CONNECTION	Hot Water Outlet	3/4" NPT
SIZES	Gas Inlet	3/4" NPT
OIZLO	Condensate Drain	1/2" NPT
Dower	Supply	120VAC (60Hz), less than 4 amperes
Power	Consumption	NG: 96W Freeze Protection: 114W
	1	

TEMPERATURE SETTINGS 100-150°F ( IN 5 °F IN TERVALS), 160°F, 170°F, 185°F

**MATERIALS** 

FRONT COVER HOT-DIPPED ZINC-ALUMINUM-MAGNESIUM-ALLOY-COATED STEEL W/ POLYESTER COATING



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional

**COLD WATER SIZING** 

1" 1-1/4"

HOT WATER SIZING

9 20 30 35

50

1-1/2"

4 9 20 30

BASED ON PRESSURE LOSS OF 8.0 PSI PER 100 FT.

4 9 15 21

BASED ON PRESSURE LOSS 7.0 PSI PER 100 FT.

MAXIMUM VELOCITY = 8.0 FPS

MAXIMUM VELOCITY = 5.0 FPS

SIZE

SIZE

2" 2-1/2"

2" 2-1/2"

100

90

50

50

175



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME LOCATION OWNER

48

**AUTHORITY HAVING JURISDICTION (AHJ)** BUILDING DIVISION | CITY OF NEWPORT BEACH **REVISIONS HISTORY** PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & 03/10/2023 ENGINEERING

> SEAL / STAMP ∖Exp. 09-30-24 /

SHEET NAME PLUMBING SCHEDULE AND NOTES

## PLUMBING FIXTURE SCHEDULE

						<u> </u>		
ITEM	FIXTURE	COLD WATER	HOT WATER	WASTE	TRAP	VENT	CONNECTION TYPE	DESCRIPTION
WC 1	WATER CLOSET (ADA APPROVED)	1/2"	-	4"	INT.	2"	DIRECT	"KOHLER" KINGSTON MODEL. K-4300 WHITE VITREOUS CHINA WALL MOUNTED TOILET WITH ELONGATED BOWL OR APPROVED EQUAL. INCLUDE ZURN Z6000AV-WS1 GPF. INCLUDE MODEL K-4650 ELONGATED OPEN FRONT TOILET SEAT. TOILET SHALL BE ADA. ASME A112.19.2 AND ASME A112.19.6 COMPLIANT.
	LAVATORY (ADA APPROVED)	1/2"	1/2"	2"	1-1-2"	2"	DIRECT	"KOHLER" HUDSON MODEL K-2849 CAST IRON WALL MOUNT LAVATORY OR APPROVED EQUAL INCLUDE (BOLD HOLES) AND OVERFLOW. INCLUDE "KHOLER" TRITION MODEL K74015A BRASS LAVATORY FAUCET WITH POLISHED CHROME FINISH AND AERATOR, POP UP DRAIN, AND WRISTBLADE LEVER HANDLES. LAVATORY AND FAUCET SHALL BE ADA COMPLIANT AND MEET ASME A112.9.1M AND ASME A112.18.1 COMPLIANT.
HS 1	HAND SINK (ADA COMPLIANT)	1/2"	1/2"	2"	1-1/2"	2"	DIRECT	HUNG STAINLESS STEEL HAND SINK OR EQUAL WITH SPLASH MOUNTED GOOSENECK FAUCET. BASKET DRAIN, P-TRAP AND TAILPIECE. NSF APPROVED. (1.0gpm FLOW RATE)
$\left\langle \begin{array}{c} S \\ 3 \end{array} \right\rangle$	3 SOMPARTMENT	1/2"	1/2"	2"	1-1/2"	1-1/2"	INDIRECT	GSW SE18183D THREE COMPARTMENT SINK W/ 18"  LEFT&RIGHT DRAINBOARDS. INSTALL W/ FISHER 34479 BACKSPLASH PRE-RINSE FAUCET, 14" ADD-ON FAUCET. 1.15 GPM SPRAY VALVE. EQUIVALENT FIXTURE ACCEPTABLE.
S 1	1 COMPARTMENT	1/2"	1/2"	2"	1-1/2"	2"	INDIRECT	ADVANCE TABCO 10" BOWL DEPTH SS-1-1715-10 EQUIVALENT FIXTURE ACCEPTABLE.
	MOP SINK	1/2"	1/2"	3"	3"	2"	DIRECT	PRECAST MOLDED STONE MOP SERVICE BASIN, 24"x24"x12" HIGH STAINLESS STEEL THRESHOLD AND #830-AA FAUCET WITH VACUUM BREAKER AND HOSE END, #832-AA HOSE AND HOSE BRACKET, #1453-BB AND STAINLESS STEEL STRAINER AND #889-CC MOP HANGER.
	WATER HEATER	3/2"	3/4"	-	-	-	DIRECT	EXISTING TO REMAIN RHEEM/RUUD COMMERCIAL ELECTRIC WATER HEATER MODEL ELDS52 WITH 50 GALLON CAPACITY GLASS LINED TANK, 61GPH RECOVERY RATE AT 60 CONTROL 9KW, 208V, 3PH, 60Hz, COMPLETE WITH ALL INCLUDING TEMPERATURE AND PRESSURE RELIEF VALVE AND DRAIN VALVE SIZED FOR APPLICATION EXPANSION TANK.
ET 1	EXPANSION TANK	1/2"	1/2"	-	-	-	DIRECT	EXISTING TO REMAIN RHEEM/RUUD "THERM-X-GUARD" PORTABLE WATER EXPANSION TANK, MODEL RRT-5.5 GALLON TANK VOLUME, STD FACTORY PRE-CHARGE AT 40 PSI, PROVIDE STRAP AND SUPPORT.
FS 1	FLOOR SINK	1/2" TRAP PRIMER	-	2"	2"	2"	DIRECT	ZURN Z-1902, 12" SQUARE TOP, HALF GRATE COVER AND 8" DEEP DOME STRAIER. EQUIVALENT FIXTURE ACCEPTABLE.
TP 1	TRAP PRIMER	1/2"	-	-	-	-	DIRECT	EXISTING TO REMAIN TRAP PRIMER: (SINGLE DRAWN DISTRIBUTION), "PRECISION PLUMBING PRODUCT, INC" OREGAN #1 PO-500 TRAP PRIMER, PRISTON OPERATED (TO OPERATE LESS THEN 1 PSI PRESSURE DROP), PROVIDE WITH 1/2" CW LINE TO FLOOR DRAIN, ISOLATION VALVE, & STAINLESS STEEL ACCESS PANEL.
FD 1	FLOOR DRAIN	-	-	2"	2"	1-1/2"	DIRECT	"J.R. SMITH" MODEL #2005Y ROUND TOP FLOOR WITH DUCO CAST IRON BODY WITH FLASHING COLLER, ADJUSTABLE STRAINER HEAD, POLISHED BRONZE STRAINER, 1/2" TRAP PRIMER CONNECTION, AND NO HUB CONNECTION.
VR 1	WATER HEATER VACUUM CONTROL VALVE	-	-	1	-	-	DIRECT	EXISTING TO REMAIN "WATER REGULATOR" WATER SERVICE VACUUM RELIEF VALVE, MODEL #N36 M, ORDER #138458-3/4" NPT. OPENS @ LESS THAN 1/2 " VACUUM. TESTED & RATED UNDER "ANSI2 21.22." CGA CERTIFIED OR APPROVED EQUAL.
BF 1	DOUBLE CHECK VALVE BACKFLOW PREVENTER	3/2"	-	-	-	-	DIRECT	EXISTING TO REMAIN "WILKINS" MODEL 95XL DOUBLE CHECK VALVE BACKFLOW PREVENTER. TWO INUNE INDEPENDENT CHECK VALVES, CAPTURED SPRINGS AND CHECK SEATS WITH TWO QUARTER TURN, FULL PORT BALL VALVES.
RP 1	PRINCIPLE REDUCED PRESSURE BACKFLOW PREVENTER	1/2"	-	-	-	-	DIRECT	EXISTING TO REMAIN "WILKINS" MODEL 975XLST 1/2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. STAINLESS STEEL MAIN BODY WITH TO INUNE INDEPENDENT CHECK VALVES SEPARATED BY AN INTERMEDIATE CHAMBER FOR RELIEF VENTING TO THE ATMOSPHERE. PREVENTAL SHALL COME WITH TWO FULL PORT BALL VALVES AND MODEL AG AIR GAP.
WCO	WALL CLEAN	OUT	1	LINE	E SIZE	1	1	ZURN Z1441 WALL CLEANOUT W/SMOOTH ACCESS COVER EQUIVALENT FIXTURE ACCPETABLE.
FCO	FLOOR CLEA	NOUT		I INIE	SIZE			ZURN Z1400-B FLOOR CLEANOUT EQUIVALENT FIXTURE ACCEPTABLE.
CV	CHECK VALV				SIZE E SIZE			ZURN 40XL2 IN-LINE SINGLE CHECK VALVE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. EQUIVALENT ACCEPTABLE.
NOTES	3.1.2.	-			<b>.</b>			

- 1. ICE BIN DISCHARGE, ESPRESSO MACHINE, ICE MAKER, SHALL BE PLUMBED TO A FLOOR SINK WITH A MINIMUM 1 INCH AIR GAP.
- 2. THREE COMPARTMENT SINK SHALL DRAIN DIRECT. A FLOOR DRAIN SHALL BE PROVIDED ADJUCENT TO THE FIXTURE, AND THE FIXTURE SHALL BE CONNECTED ON THE SEWER SIDE FO THE FLOOR DRAIN TRAP WITH NO OTHER DRAIN LINE CONNECTED BETWEEN THE FLOOR DRAIN WASTE CONNECTION AND THE FIXTURE DRAIN IN ACCORDANCE WITH SECTION 704.3 OF THE CPC.

## BACK FLOW PREVENTER ASSEMBLY REQUIREMENTS

TYPE OF EQUIPMENT ON SYSTEM	METHOD OF CROSS CONNECTION CONTROL	MANUFACTURE AND MODEL NUMBER	REMARKS
COFFE BREWER	REDUCED PRESSURE ZONE ASSEMBLY	WATTS SS009-3QT ASSE 1013 CERT	STAINLESS STEEL BODY WITH QUARTER TURN VALVE SS STRAINER.
ICE MACHINE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-009-QT-S	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
ESPRESSO MACHINE	DOUBLE CHECK VALVE ASSEMBLY	WATTS SD3LF ASSE 1022/1024 CERT.	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
WATER SERVICE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-919-QT	LEAD FREE CAST COPPER WITH QUATER TURN

1. CONTRACTOR SHALL PROVIDE INDIVIDUAL BACKFLOW PREVENTERS FOR EACH PIECE OF EQUIPMENT. 2. EACH BACKFLOW PREVENTER MUST HAVE TESTING PORTS.

•••	IVI - I V I .	ے.	

PLUMBING FIXTURE	DRAINAGE FIXTURE UNITS	NUMBER OF FIXTURES	DFUS
WATER CLOSET (WC-1)	3	1	3
LAVATORIES (LAV-1)	1	1	1
FLOOR DRAINS (FD-1)	2	4	8
FLOOR SINK (FS-1)	6	3	18
HAND SINK (HS-1)	2	2	4
MOP SINK	3	1	3

## TABLE TO CALCULATE SUPPLY WATER FIXTURE UNITS

PLUMBING FIXTURE	WATER FIXTURE UNITS	NUMBER OF FIXTURES	SFUS			
WATER CLOSET (WC-1)	4	1	4			
LAVATORIES (LAV-1)	2	1	2			
3 COMPARTMENT SINK	4	1	4			
1 COMPARTMENT SINK	4	1	4			
HAND SINK (HS-1)	2	2	4			
MOP SINK	3	1	3			
BAR EQUIPMENT (TOTAL)  PITCHER RINSER  COFFEE BREWER HOT WATER DISP. ESPRESSO MACHINE GLASS FILLER	PER MAN. SPECIFICATIONS SEE SHEET P-000	5	4			
TOTAL WATER SUPPLY FIXTURE UNITS						
GPM						



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

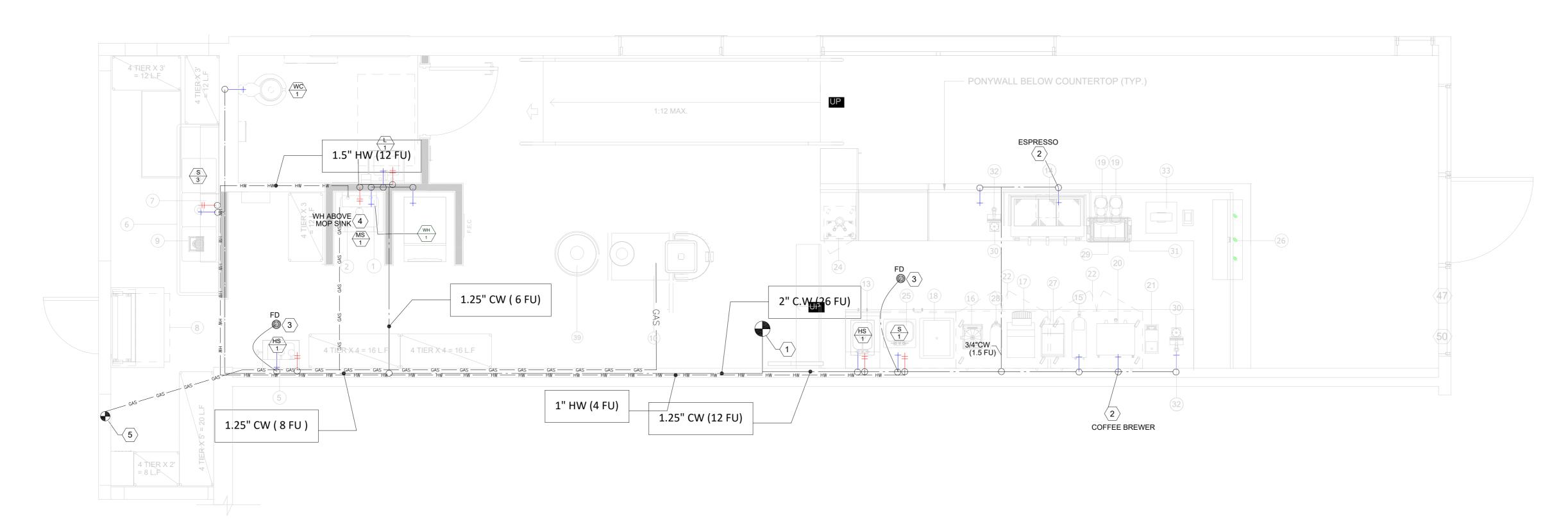
ŀ			
	PROJECT NAME	LOCATION	OWNER
	DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED BY OTHERS 2ND REVIEW SUBMITTED BY OTHERS 10/20/2022 3RD REVIEW BY ACC & ENGINEERING 03/10/2023

SEAL / STAMP

SHEET NAME PLUMBING SCHEDULES AND NOTES 2

SHEET NUMBER



## PLUMBING WATER & GAS PLAN 3/8" = 1'-0"

## (#) KEYED PLAN NOTES:

- 1. P.O.C. TO EXISTING 2" CW STUB WITH NEW PIPING. FIELD VERIFY ALL EXISTING CONDITIONS SIZE AND LOCATIONS PRIOR TO START OF THIS
- COFFEE BREWER AND ESPRESSO MACHINE WITH CHECK VALVE. SEE PLUMBING SCHEDULE ON P000 AND P002, RESPECTIVELY.
- 3. PROVIDE 1/2" TRAP PRIMER FOR FLOOR DRAIN.
- 4. INSTALL NEW GAS TANK-TYPE WATER HEATER ABOVE MOB SINK WITH NEW PIPING. FIELD VERIFY LOCATION AND SIZE BEFORE START OF WORK. SEE PLUMBING SCHEDULE ON P000 AND P002, RESPECTIVELY.
- 5. P.O.C. TO EXISTING 1.5" GAS AT ROOF / WITH NEW PIPING. FIELD VERIFY ALL EXISTING CONDITIONS SIZE AND LOCATIONS PRIOR TO START OF THIS WORK.

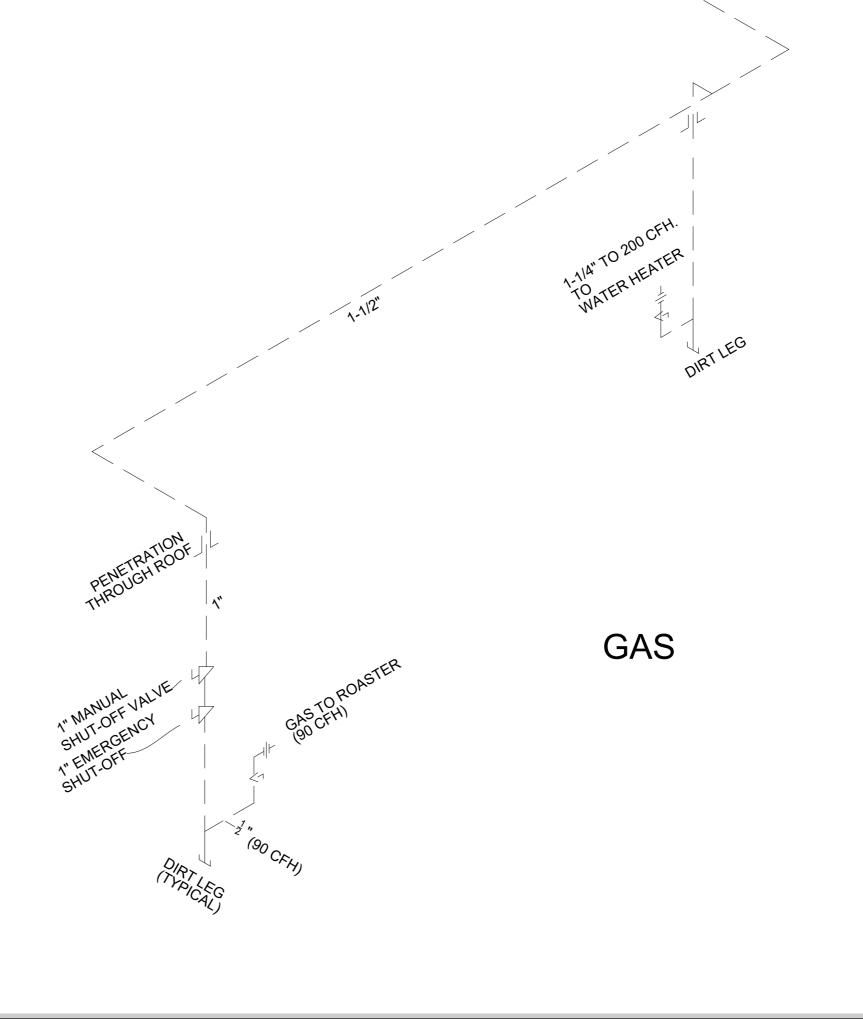
## SHEET PIPE LEGEN

C.W - COLD WATER H.W - HOT WATER —— GAS ——— GAS ———

## **GENERAL NOTES:**

- 1. IF DRAWINGS ARE INCORRECT FROM THE ACTUAL SITE CONDITION, CONTRACTOR SHALL NOTIFY ENGINEER(S) AND PROVIDE INFORMATION REFLECTING ACTUAL CONDITIONS.
- 2. ALL PLUMBING FIXTURES AND CONNECTIONS ARE NEW UNLESS NOTED AS EXISTING.

	GAS LOAD SUMMARY					
SYSTEM	DESIGNATION	EQUIPMENT	MBH			
DOMESTIC WATER HEATING	WH-1	200				
ROASTER	RS-1 COFFEE ROASTER		90			
EQUIPMENT						
TOTA	TOTAL NATURAL GAS CONNECTED LOAD					
	MBH CAPACITY SUB-TOTAL		290			
GAS METER REQUIREMENTS	TOTAL DEVELOPED LENGTH INCLUDE FITTING AND VALVE FRICTION LOS	150 FT X 1.2 = 180				
	CONSULT GAS UTILITY COMPANY					





Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

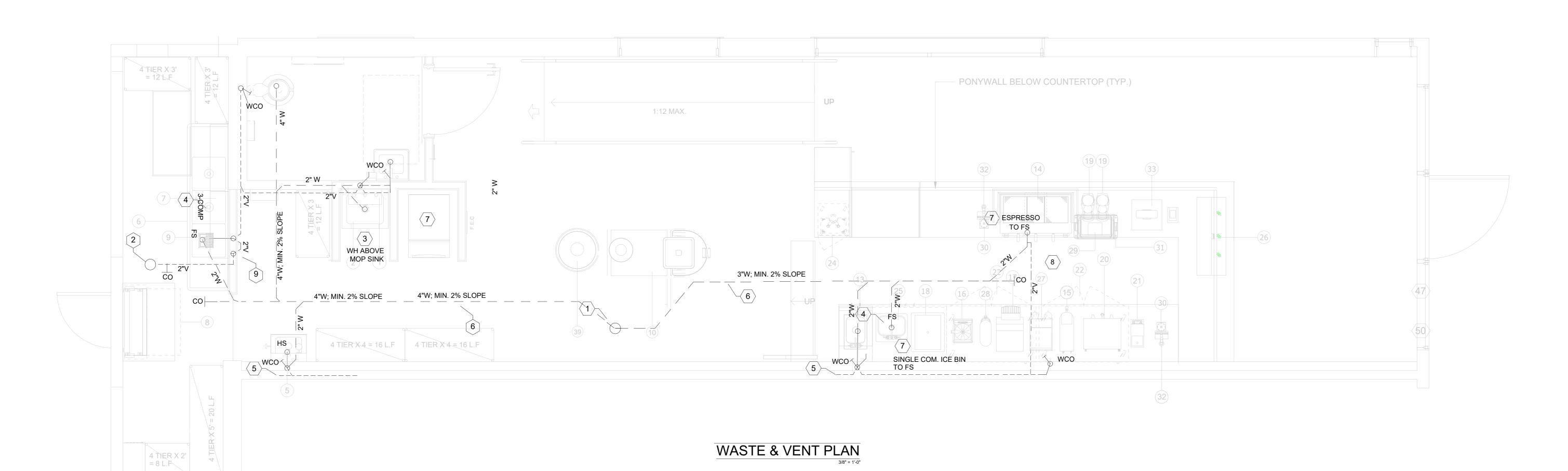
PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JU	JRISDICTION (AHJ)
BUILDING DIVISION   CITY	OF NEWPORT BEACH
REVISIONS HIS	STORY
PLAN CHECK#PO	C2022-2340
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022
3RD REVIEW BY ACC & ENGINEERING	03/10/2023
	•



PLUMBING WATER & GAS PLAN

SHEET NUMBER



# # KEYED PLAN NOTES:

- P.O.C. TO EXISTING 4" SANITARY WASTE CAP WITH NEW PIPING. FIELD VERIFY ALL EXISTING CONDITIONS, SIZE, AND LOCATION PRIOR TO START OF THIS WORK.
- P.O.C. TO EXISTING 4" SANITARY VENT UP TO ROOF CAP WITH NEW PIPING. FIELD VERIFY ALL EXISTING CONDITIONS, SIZE, AND LOCATION PRIOR TO START OF THIS WORK.
- 3. WATER HEATER T&P VALVE DRAINS TO MOP SINK BELOW.
- 4. 2" WASTE DOWN DRAINS TO FLOOR SINK.
- 5. NEW 3" VENT UP TO ROOF.
- 6. 3"WASTE UNDERGROUND
- 7. INDIRECTLY DRAIN TO FLOOR SINK. REFER TO PLUMBING FIXTURES SCHEDULE FOR MORE INFO.
- 8. 2 "VENT HANGS AT CEILING.
- 9. 2"VENT UP IN WALL.

# GENERAL NOTES:

 IF DRAWINGS ARE INCORRECT FROM THE ACTUAL SITE CONDITION, CONTRACTOR SHALL NOTIFY ENGINEER(S) AND PROVIDE INFORMATION REFLECTING ACTUAL CONDITIONS.



Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and cannotberg ereproduced in any manner without the express writtenpermission from the

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

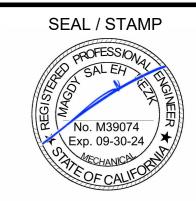
AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DIVISION | CITY OF NEWPORT BEACH

REVISIONS HISTORY

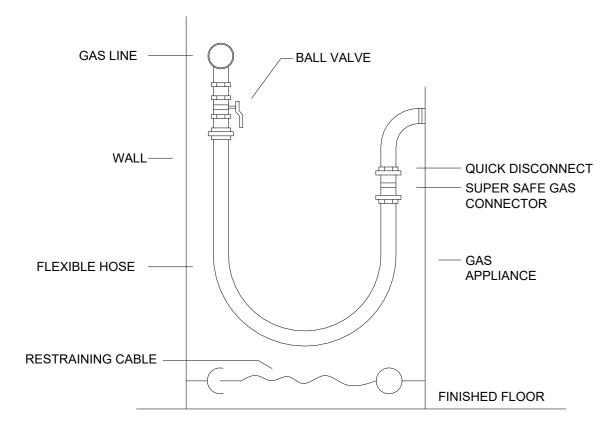
PLAN CHECK#PC2022-2340

1ST REVIEW SUBMITTED
BY OTHERS
2ND REVIEW SUBMITTED
BY OTHERS
3RD REVIEW BY ACC & 03/10/2023
ENGINEERING



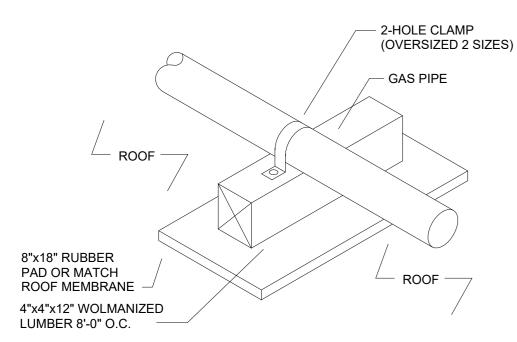
SHEET NAME
PLUMBING WASTE & VENT
PLAN

SHEET NUMBER



# **EQUIPMENT** GAS CONNECTION DETAIL

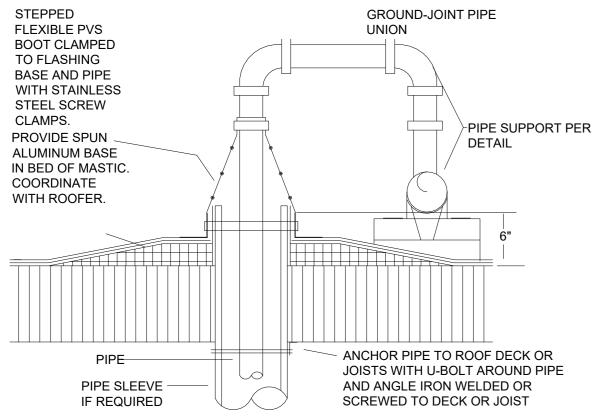
SCALE: NO SCALE



NOTE: ROOF PAD IS RECOMMENDED TO AVOID ABRASION TO ROOF

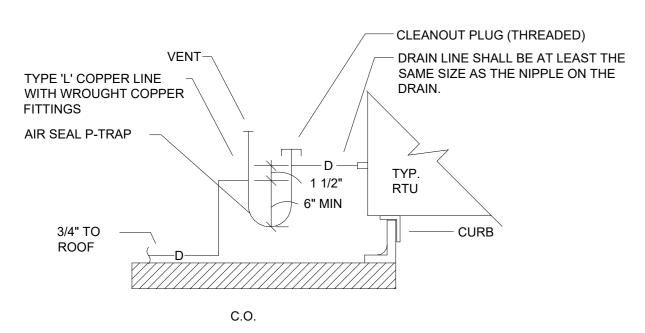
# GAS MOUNTING DETAIL

SCALE: NO SCALE



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

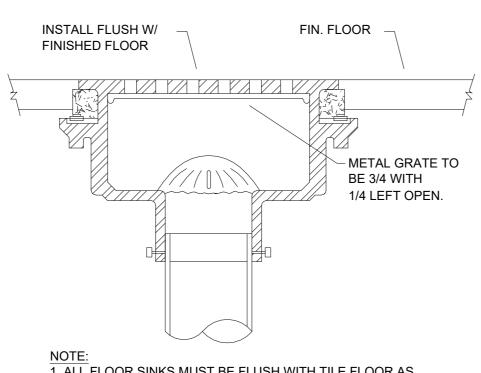
## SCALE: NO SCALE



# RTU CONDENSATE PIPING DETAIL

SCALE: NO SCALE

NOTE: CONDENSATE DRAIN CONNECTION UP THRU RTU CURB IS ACCEPTABLE.

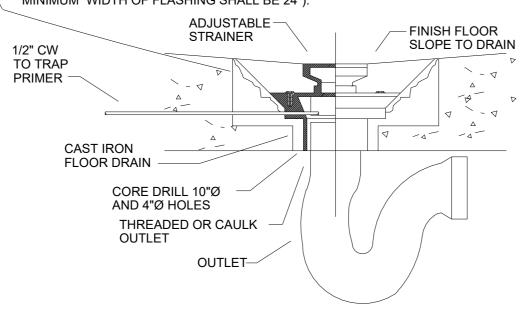


1. ALL FLOOR SINKS MUST BE FLUSH WITH TILE FLOOR AS SHOWN ABOVE. INSTALLATION ON A 1/4" LIP EITHER DIRECTION IS ALSO ACCEPTABLE.

# FLOOR SINK DETIAL

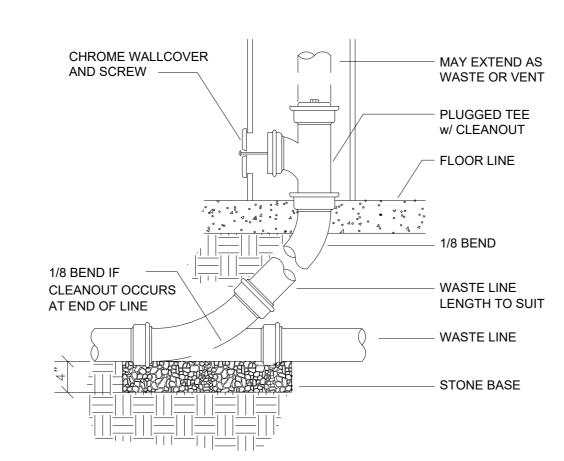
SCALE: NO SCALE

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

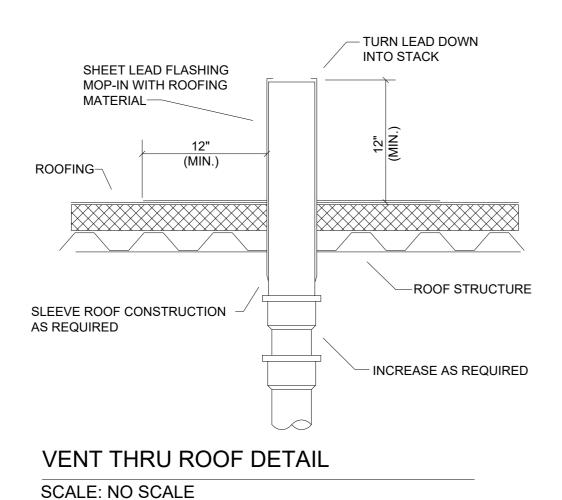


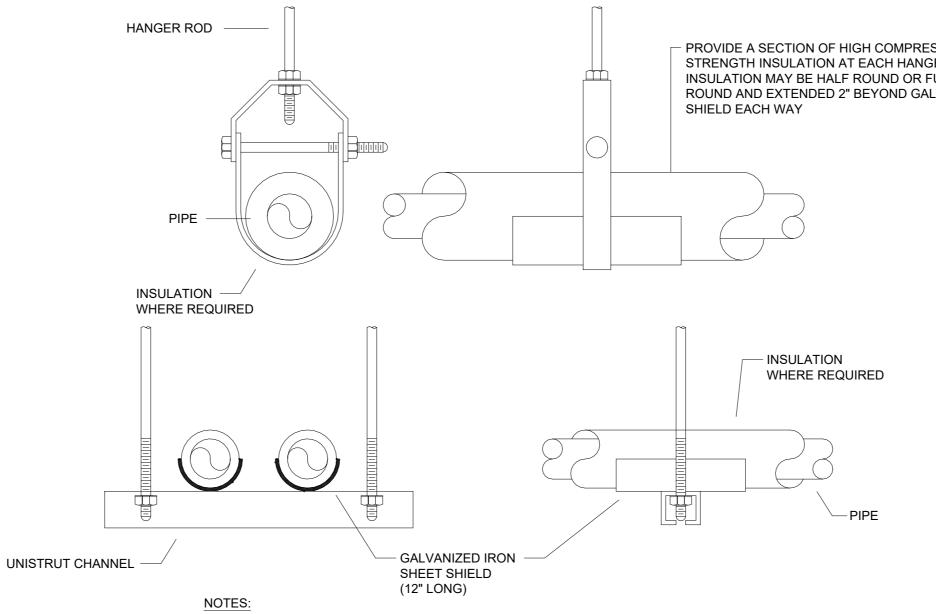
NOTE: THE GENERAL CONTRACTOR SHALL PROVIDE A ONE PIECE WATER PROOF MEMBRANE FLOOR AND BASE IN THE TOILET ROOM(S).

## FLOOR DRAIN w/TRAP PRIMER SCALE: NO SCALE



## WALL CEANOUT DETAIL SCALE: NO SCALE





STRUCTURE TO THE TOP CHORD OF JOISTS OR BEAMS.

PROVIDE EXPANSION RELIEF

VALVE: SHARKBITE TER-1 OR

AQUAREX WK1 WATER

110V-11W —

CONDTIONER OR EQUAL

WHEN REQUIRED BY CODE ROUTE,

WATER HEATER DISTRIBUTION:

MFGR. FOR MODEL. -

EQUIPMENT REQUIRING 140° F WATER:

EQUIPMENT REQUIRING 110° F WATER:

1. (1) 3-COMPARTMENT SINK 2. (1) MOB SINK BASIN

1. (1) 1-COMPARTMENT SINK

2. (2) HAND SINKS

3. (1) LAVATORY

THRU ACID NEUTRALIZER. REFER TO

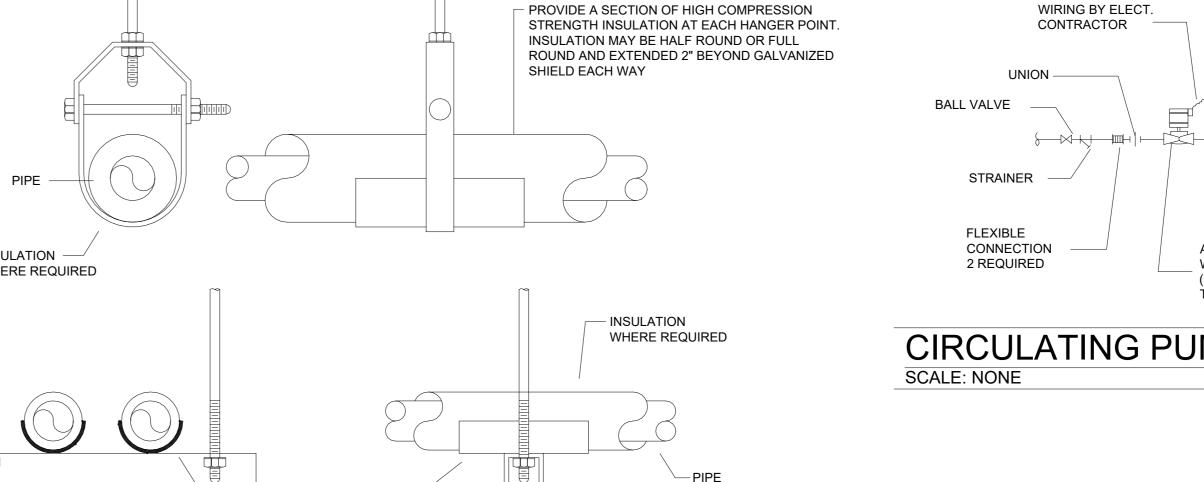
INDIRECT DISCHARGE TO

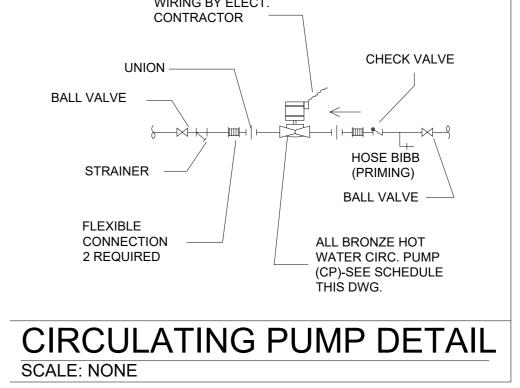
FIXTURE INDICATED ON PLAN

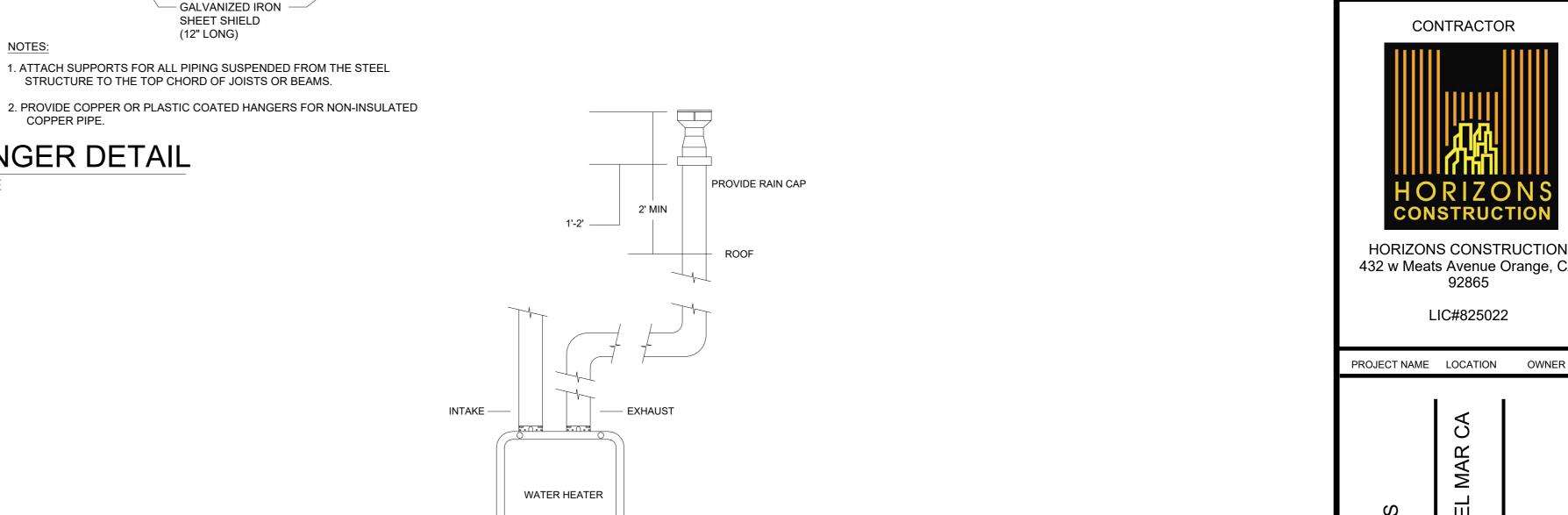
EQUAL. DISCHARGE INTO MOP

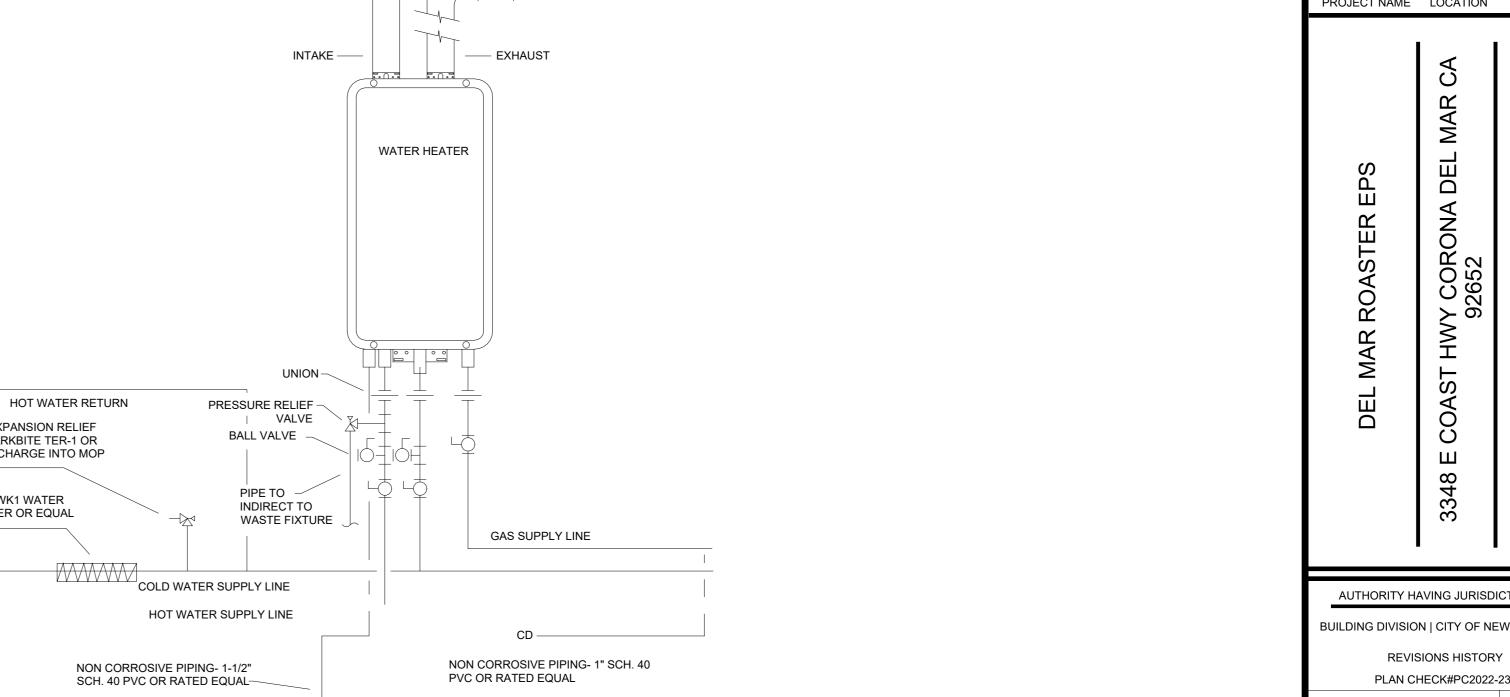
PIPE HANGER DETAIL

SCALE: NO SCALE









			_			99 CE PER l						
TEMPERATURE RISE (°F)	30	40	45	50	60	70	80	90	100	110	120	130
FLOW RATE (GPM)	11.1	9.3	8.4	7.4	6.2	4.6	4.1	3.7	3.4	3.1	2.9	2.7
JAMES FACER-CONTANATIONAL ACCOUNT COMMERCIAL NORITZ AMERICA CO C: 949.243.2032 E: jfacer@noritz.cor www.noritz.com/comme	MANA RPORA	GER		SING								

GAS WATER HEATER DETAIL SCALE: NO SCALE



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer **ACC & ENGINEERING** 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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



432 w Meats Avenue Orange, CA

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ)							
BUILDING DIVISION   CITY OF NEWPORT BEACH							
REVISIONS HISTORY							
PLAN CHECK#PC2022-2340							
1ST REVIEW SUBMITTED BY OTHERS	9/21/2022						
2ND REVIEW SUBMITTED BY OTHERS	10/20/2022						
3RD REVIEW BY ACC & ENGINEERING	03/10/2023						

SEAL / STAMP No. M39074 **₹**\Exp. 09-30-24 /

SHEET NAME PLUMBING DETAILS

SHEET NUMBER

CERTIFICA	TE OF COMPLIANCE							NRCC-PLB-
alteratio	ns, for domestic water heating sco	ppliance for nonresidential occupan opes using the prescriptive path. Fo requirements 180.1 for additions o	r high-rise resid	dential and h				
Project Na	ame: CAF	E DEL MAR ROASTER COFFEE SHOP 334	18 E COAST HWY	Report Page:	Š			(Page 1 of 5
Project Ad	ddress: 3348 E COST HWY, NEWPO	RT BEACH, CA 92625		Date Prepare	d:		2023-03-14	T15:56:29-04:0
A. GENE	RAL INFORMATION							
01	Project Location (city)	NEWPORT BEACH		02	Climate Zone		6	
03	Occupancy Types Within Project	t (select all that apply):		l.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.	100m²	
Office	Restaurant							
B. PROJ	ECT SCOPE							
170.2(d)	and 141.0(a)/ 180.1, or 141.0(b)2 water heating systems are docun	systems that are within the scope N / 180.2 for additions or alteration nented on the NRCC-MCH complian	ns. Solar water		ems are documented on th		ance document. Co	
_	01				02		03	
Mark	My project consists of (cl			Syste	m Type <sup>1,2</sup>	5	stem Components	Î
	system (DHW system being insta structed building)	ned for the first time in newly				☐ Equipment	☐ Distribution	☐ Control
⊠ Syste	em Alteration (equipment, distrib	ution or controls)	Individua	System (ser	ving nonresidential spaces)		□ Distribution	☐ Control
⊠ Syste	em Alteration (equipment, distrib	ution or controls)	Individual	System (ser	ving nonresidential spaces)		□ Distribution	☐ Control
<sup>2</sup> Dwellin	g units refers to hotel/motel gues	or other non-central systems used to t rooms and units in a multifamily r units are considered "Central Syste	esidential occu	рапсу.		l systems.		
C. COMI	PLIANCE RESULTS							
		ut into the compliance document is the table indicated as not complia			ng requirements. If this tab	le says "DOES NOT	COMPLY" or "COM	PLIES with
	01	02		03		9	04	
Don	nestic Hot Water Equipment	Distribution Systems		Contro	ls	Complia	nce Results	
	2 11 E			TILL	(4)	Compila	ice nesunts	

Project Name:	CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY	Report Page:	(Page 4 of 5)
		Date Prepared:	2023-03-14T15:56:29-04:00
			Yes
I. DECLARATION OF RE	QUIRED CERTIFICATES OF INSTALLATION		
	Form	/Title	
NRCI-PLB-E - Must be sub	mitted for all buildings		
J. DECLARATION OF RE	QUIRED CERTIFICATES OF ACCEPTANCE		
There are no forms requir	ed for this project.		
V DECLARATION OF DE	COLUBED CERTIFICATES OF VERIFICATION		
	QUIRED CERTIFICATES OF VERIFICATION		
There are no forms requir	ed for this project.		

Generated Date/Time:

Report Version: 2022.0.000 Schema Version: rev 20220101

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Domestic Water Heating System

CERTIFICATE OF COMPLIANCE

COMPLIES

Documentation Software: Energy Code Ace

Compliance ID: 94742-0323-0004

NRCC-PLB-E

STATE OF CALIFORNIA

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Generated: 2023-03-14 12:56:31

CALIFORNIA ENERGY COMMISSION

Report Generated: 2023-03-14 12:56:31

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000	Compliance ID: 94742-0323-0004

Schema Version: rev 20220101

	Date Prepared:	2023-03-14T15:56:29-04:00
Project Name:	CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page:	(Page 2 of 5)
CERTIFICATE OF COMPLIAN	CE	NRCC-PLB-E
Domestic Water H	leating System	CALIFORNIA ENERGY COMMISSION
STATE OF CALIFORNIA		

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	

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 94742-0323-0004 Report Generated: 2023-03-14 12:56:31

<b>Domestic Water Hea</b>	ting System		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-PLB-E
Project Name:	CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY	Report Page:	(Page 5 of 5)
Project Address:		Date Prepared:	2023-03-14T15:56:29-04:00
DOCUMENTATION AUTHO	DR'S DECLARATION STATEMENT		
	PR'S DECLARATION STATEMENT te of Compliance documentation is accurate and comple	te.	
I certify that this Certification	te of Compliance documentation is accurate and comple	Documentation Author Signature:	<i>f</i>
	te of Compliance documentation is accurate and comple		<i>f</i>

Address:		CEA/ HERS Certification Identification (if applicable):		
City/Stat	e/Zip:	Phone:		
RESPO	NSIBLE PERSON'S DECLARATION STATEMENT			
certify t	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 business	uilding design or system design identified on this Certificate of Compliance (responsible designer)		
3.	The energy features and performance specifications, materials, components, and manufactured devi of Title 24, Part 1 and Part 6 of the California Code of Regulations.	ces for the building design or system design identified on this Certificate of Compliance conform to the requir		
4.	The building design features or system design features identified on this Certificate of Compliance ar plans and specifications submitted to the enforcement agency for approval with this building permit	e consistent with the information provided on other applicable compliance documents, worksheets, calculatic application.		
5.	I will ensure that a completed signed copy of this Certificate of Compliance shall be made available w inspections. I understand that a completed signed copy of this Certificate of Compliance is required t	vith the building permit(s) issued for the building, and made available to the enforcement agency for all applic o be included with the documentation the builder provides to the building owner at occupancy.		
Responsi	ible Designer Name: Magdy Saleh Rezk	Responsible Designer Signature:		
Company	YF ACC & ENGINEERING	Date Signed: 03/14/23		
Address:	9	License: M-39074		
	265			

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

Documentation Software: Energy Code Ace

Compliance ID: 94742-0323-0004

Report Generated: 2023-03-14 12:56:31

STATE OF CALIFORNIA **Domestic Water Heating System** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-PLB-E CAFE DEL MAR ROASTER COFFEE SHOP 3348 E COAST HWY Report Page: (Page 3 of 5)

	2023 03 14113.30.23 04.00
F. DOMESTIC HOT WATER EQUIPMENT	
This table is used to demonstrate compliance with mandatory equipment requirements in 11	10.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also

	strated and with 141.0	A CONTRACTOR OF THE PARTY OF TH				110.1 una 110.5.	compliance with present	pave requirements in 1 10.5(e)	/ 170.2(a) mast also
Equipmen	t Schedule: Water Hea	ating Efficie	ency and Stan	dby Loss					
	03		04		Ì	05		06	
System Name	WH-1		to 140.5(c)/ 0.2(d)3	Exceptions Do Not Apply		Gas Service Water Heating System >= 1MMBtu/h <sup>1</sup>	Capacity-weighted Average Efficiency %		
07	08	09		10	11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
WH-1	Commercial Gas Instantaneous Water Heater	0.25	199,900		0.91	0.8	TE		

OOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capa	icity-weighted
verage.	

Water Heating Equipment All Occupancies					
	Yes	No	Not Applicable	Requirement	
18				Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3	
19				New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5	
20				Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6	
21				School buildings < 25,000 ft <sup>2</sup> and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.	

G.	DOMESTIC HOT	WATER	DISTRIBUT	ION	SYSTEM

This section does not apply to this project.

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000	Compliance ID: 94742-0323-0004

Schema Version: rev 20220101

Report Generated: 2023-03-14 12:56:31



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA Project Designer ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-228 Ben@accandengineering.com www.accandengineering.com

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

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA

LIC#825022

PROJECT NAME	LOCATION	OWNER
DEL MAR ROASTER EPS	3348 E COAST HWY CORONA DEL MAR CA 92652	YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DIVISION | CITY OF NEWPORT BEACH REVISIONS HISTORY PLAN CHECK#PC2022-2340 1ST REVIEW SUBMITTED 9/21/2022 BY OTHERS 2ND REVIEW SUBMITTED 10/20/2022 BY OTHERS 3RD REVIEW BY ACC & ENGINEERING 03/10/2023

SEAL / STAMP

SHEET NAME TITLE 24 PLUMBING

F	STATE OF CALIFORNIA PLUMBING CEC-NRCI-PLB-01-E (Revised 01/20)	CALIFORNIA ENERGY	COMMISSION
	CERTIFICATE OF INSTALLATION		NRCI-PLB-01-E
Plumbing			(Page 1 of 4)
	Project Name: CAFFE DEL MAR ROASTERS	Enforcement Agency:CITY OF NEWPORT BEACH BUILDING DEPAR-	Permit Number: PC2022-2340
	Project Address: 3348 COAST HWY F	City:NEWPORT BEACH	Zip Code:92625

A. GENERAL INFORMATION					
DATE OF BUILDIN	IG PERMIT:				
BUILDING TYPE	■ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel		
PHASE OF CONSTRUCTIO N	☐ New Construction	☐ Addition	★ Alteration		

If more than one person has responsibility for building construction, each person shall prepare and sign an Installation Certificate document applicable to the portion of construction for which they are responsible; alternatively, the person with chief responsibility for construction shall prepare and sign the Installation Certificate document(s) for the entire construction.

## B. SCOPE OF RESPONSIBILITY

Date of approval by the enforcement agency of the Certificate of Compliance that provides the specifications for this Installation Certificate.

Date:

In the table below identify all applicable construction documents that specify the features, materials, components, manufactured devices, or system performance diagnostic results required for the scope of responsibility for this Installation Certificate.

installation Certificate.		
Document Title or Description	Applicable Sheets or Pages, Tables, Schedules, etc.	Date Approved By the Enforcement Agency
	PLUMBING SHEETS P-000 P-001	

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

January 2020

TATE OF CALIFORNIA  LUMBING					
C-NRCI-PLB-01-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION					
CERTIFICATE OF INSTALLATION NRCI-PLB-01					
Plumbing			(Page 4 of 4)		
Project Name:	Enfo	rcement Agency:	Permit Number:		
Project Address:	City:		Zip Code:		
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT					
1. I certify that this Certificate of Installation documentation	is ac	curate and complete.			
Documentation Author Name:		Documentation Author Signature:			
Documentation Author Company Name:		Date Signed:			
Address:		CEA/ HERS Certification Identification (If applicable):			
City/State/Zip:		Phone:			
RESPONSIBLE PERSON'S DECLARATION STATEMENT					
I certify the following under penalty of perjury, under the laws	s of th	e State of California:			
1. The information provided on this Certificate of Installatio					
2. I am eligible under Division 3 of the Business and Professi	ions C	ode in the applicable classification to accept	responsibility for		
the system design, construction, or installation of feature					
work identified on this Certificate of Installation and atte otherwise I am an authorized representative of the respo			le builder/installer),		
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on			entified on this		
Certificate of Installation conforms to all applicable codes		•			
given on the plans and specifications approved by the en					
	, , , , , , , , , , , , , , , , , , , ,				
requirements for the scope of construction or installation			have ensured that		
the requirements that apply to the construction or install					
5. I will ensure that a completed signed copy of this Certificate of Installation shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand					
that a completed signed copy of this Certificate of Installation is required to be included with the documentation the builder					
provides to the building owner at occupancy.					
Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:				
Company Name: (Installing Subcontractor or General Contractor or Builder/Own	Position With Company (Title):				
Address:		CSLB License:			

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

January 2020

STATE OF CALIFORNIA

PLUMBING

CEC-NRCI-PLB-01-E (Revised 01/20)

CERTIFICATE OF INSTALLATION

Plumbing

Project Name:

Enforcement Agency:

Project Address:

City:

CALIFORNIA ENERGY COMMISSION

NRCI-PLB-01-E

Permit Number:

Zip Code:

C. MANDATORY REQUIREMENTS FOR ALL CENTRAL DOMESTIC HOT WATER RECIRCULATION SYSTEMS

- On systems that have a total capacity greater than 167,000 Btu/hr, outlets that require higher than service water temperatures as listed in the ASHRAE Handbook have separate remote heaters, heat exchangers, or boosters to supply the outlet with the higher temperature. (Section 110.3 (c)1)
- O2 Systems with circulating pumps or with electrical heat trace systems shall be capable of automatically turning off the system.
- (Section 110.3(c)2).

  Unfired storage tanks are insulated with an external R-12 or combination of R-16 internal and external Insulation.

  Alternatively, the heat loss of the tank surface based on an 80°F water-air temperature difference shall be less than 6.5 Btu
- per hour per square foot. (Section 110.3(c)4).

  All sections of the recirculation loop, and the first 5 feet of all branches off the loop are insulated, to the thicknesses
- required by Table 120.3A, except for the following: (RA4.4.1)

   Piping installed in interior or exterior walls that is surrounded on all sides by at least 1inch of insulation.
- Piping installed in attics with a minimum of 4 inches (10 cm) of attic insulation on top.
   Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Metal piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall butt securely against
  - all framing members.Insulation is not required on the cold water line when it is used as the return.
- Hot water pipes that are buried below grade are installed in a water proof and non-crushable casing or sleeve that allows for
- installation, removal, and replacement of the enclosed pipe and insulation. (RA4.4.1)

  Insulation outside conditioned space is protected from damage, including that due to sunlight, moisture, equipment
- maintenance, and wind. (RA4.4.1)
- 09 Pipe insulation fits tightly to the pipe. (RA4.4.1)
- On insulated sections of pipe, no piping is visible due to insulation voids, and all elbows and tees are fully insulated.

  (RA4.4.1)

  The recirculation pump is mounted on a vertical section of the return line, OR an automatic air release valve is installed on a
- riser at least 12 inches in length, on the inlet side of the recirculation pump, no more than 4 feet from the pump. (Section 110.3(c)5A).
- 12 A check valve is located between the recirculation pump and the water heater. (Section 110.3(c)5B).
- A hose bibb is installed between the pump and the water heating equipment with an isolation valve between the hose bibb and the water heating equipment. (Section 110.3(c)5C).
- lsolation valves are installed on both sides of the pump. One of the isolation valves may be the same isolation valve as in item 12 above. (Section 110.3(c)5D).

  The cold water supply piping and the recirculation loop piping is not connected to the hot water storage tank drain port.
- The cold water supply piping and the recirculation loop piping is not connected to the hot water storage tank drain port. (Section 110.3(c)5E).
- A check valve is installed on the cold water supply line between the hot water system and the next closest tee on the cold water supply. (Section 110.3(c)5F).
- The hot water distribution system piping from the water heater(s) to the fixtures and appliances takes the most direct path.

  (RA 4.4.7.1)
- Installation and operation instructions that provide details of the operation of the pump and controls are available at the jobsite for inspection. (RA 4.4.7.1)
- More than one circulation loop may be installed. Each loop shall have its own pump and controls. (RA4.4.8, RA 4.4.9, RA 4.4.10)

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

January 2020

STATE OF CALIFORNIA
PLUMBING
CEC-NRCI-PLB-01-E (Revised 01/20)

CERTIFICATE OF INSTALLATION

NRCI-PLB-01-E
Plumbing
(Page 3 of 4)
Project Name:
Project Address:

City:

Inforcement Agency:
City:
CALIFORNIA ENERGY COMMISSION

RCI-PLB-01-E
Page 3 of 4)

Permit Number:
Zip Code:

E. Mandatory Measures for all Domestic Hot Water Distribution Systems 01 Equipment shall meet the applicable requirements of the Appliance Efficiency Regulations (Section 110.3(b)1). Unfired Storage Tanks are insulated with an external R-12 or combination of R-16 internal and external Insulation. (Section • All domestic hot water piping shall be insulated as specified in Section 609.11 of the California Plumbing Code. In addition, the following piping conditions shall have a minimum insulation wall thickness of 1 inch or a minimum • The first 5 feet (1.5 meters) of cold water pipes from the storage tank. • All piping with a nominal diameter of 3/4 inch (19 millimeter) and less than 1 inch. All hot water with a nominal diameter less than ¾ inch that is:. Associated with a domestic hot water recirculation system. From the heating source to the kitchen fixtures. From the heating source to storage tank or between tanks. Buried below grade. • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall butt securely against all framing members. • Piping installed in interior or exterior walls that is surrounded on all sides by at least 1 inch of insulation. Piping installed in crawlspace with a minimum of 2 inches (5 cm) of crawlspace insulation above and below. Piping installed in attics with a minimum of 4 inches (10 cm) of attic insulation on top • Pipe insulation shall meet the insulation protection requirements of Section 120.3(b) Insulation exposed to weather shall be shielded from solar radiation. o Insulation on peps buried below grade must be installed in a water proof and non-crushable casing or sleeve. 05 All elbows and tees shall be fully insulated. (RA4.4.1)

Where insulation is required, no piping shall be visible due to insulation voids, and all insulation shall fit tightly to the pipe.

(RA4.4.1)

For Gas or Propane Water Heaters: Ensure the following are installed (Section 150.0(n))

- A dedicated 125V, 20A electrical receptacle connected to the electric panel with a 120/240V 3 conductor, 10 AWG copper branch circuit, within 3 feet from the water heater and accessible with no obstructions;
  - a. The conductor shall be labeled with the work "Spare" on both ends; and
    b. A reserved single pole circuit breaker space next to the circuit breaker next to the branch circuit in A labeled "Future" 240V shall be provided.
- A Category III or IV vent, or a Type B vent with straight pipe between outside and water heater
   A condensate drain no more than 2 inches higher than the base on water heater for natural draining

4. A gas supply line with capacity of at least 200,000 Btu/hr

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance January 2020



Design | Engineering | Construction

Ben Hamed, ASSOC.AIA
Project Designer
ACC & ENGINEERING
768 N Ethan way, Anaheim
CA 92805
Phone No.: 951-903-228
Ben@accandengineering.com
www.accandengineering.com

This drawing is the property of the below referenced professional and is not to be used for any purpose other than the specific project and site named herein, and c a n n o t b e r e p r o d u c e d in any manner without the express w r i t t e n p e r m i s s i o n f r o m t h e

professional



HORIZONS CONSTRUCTION 432 w Meats Avenue Orange, CA 92865

LIC#825022

DEL MAR ROASTER EPS

3348 E COAST HWY CORONA DEL MAR CA
92652

YAHYA SHANNAK

AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DIVISION | CITY OF NEWPORT BEACH

REVISIONS HISTORY

PLAN CHECK#PC2022-2340

1ST REVIEW SUBMITTED
BY OTHERS
2ND REVIEW SUBMITTED
BY OTHERS
3RD REVIEW BY ACC & 03/10/2023
ENGINEERING

SEAL / STAMP

SHEET NAME
TITLE 24 CERTS OF

INSTALLATION

SHEET NUMBER