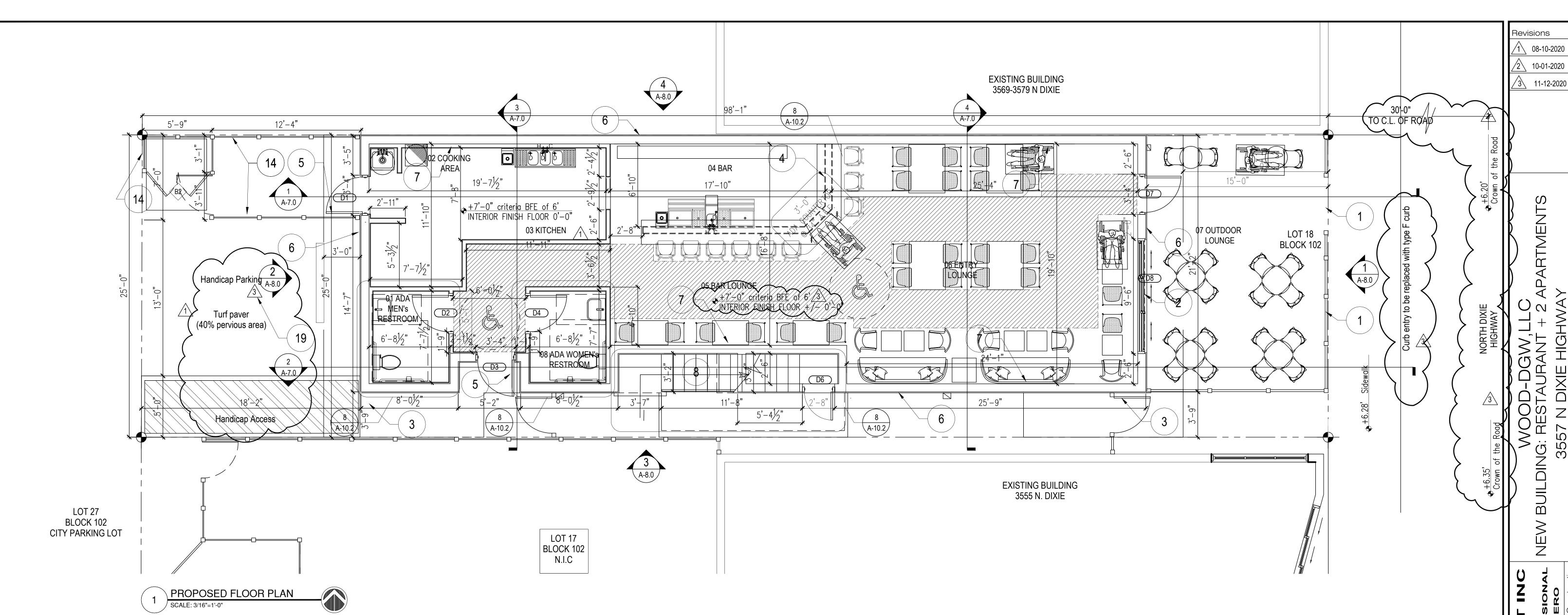


Revisions 2 \ Sept 30, 2020 /3\ Nov 12, 2020 JCG 2018-022 2019-11-25 REFER TO PLAN

AR-00015344



#### PLUMBING FIXTURE CALCULATION PROPOSED TENANT OCCUPANCY CLASS A-2-ASSEMBLY-LOUNGE TOTAL OCCUPANCY MENS RESTROOM REQUIRED WC - 1 PROVIDED WC - 1 REQUIRED LAV. - 1 PROVIDED LAV. - 1 WOMENS RESTROOM REQUIRED WC - 1 PROVIDED WC - 1 REQUIRED LAV. - 1 PROVIDED LAV. - 1

CALCULATION TO COMPLY WITH TABLE 403.1 FBC- PLUMBING SIXTH EDITION 2017

# ADA TOILET FACILITIES NOTE

TOILETS ROOMS SHALL COMPLY WITH WITH CHAPTER 201,206,603, 2017-FBC - ACCESSIBILITY SIXTH EDITION.

AS PER FBCP, SECTION 410.4 SUBSTITUTION. WHERE RESTAURANTS PROVIDE DRINKING WATER IN A CONTAINER FREE OF CHARGE, DRINKING FOUNTAINS SHALL NOT BE REQUIRED ON THOSE RESTAURANTS

SEATING CAPACITY	
04 BAR 05 BAR LOUNGE 06 ENTRY LOUNGE 07 OUTDOOR LOUNGE	9 6 30 20
TOTAL PROPOSED SEATING	65

ADA CALCULATION	SNC
TOTAL SEATING:	65
PER FBCA 221.2.1.1 (51-150/4 SEATS REQ'D)	
TOTAL ADA PROVIDED:	4

# PROPOSED NOTES□

- ALUMINUM GUARDRAIL
- 2. SLIDING IMPACT RESISTANT WINDOW
- □ KEY ACCESS ALUMINUM GATE DOOR
- □ ADA COUNTERTOP
- □. ALTERNATE EGRESS DOOR
- □ STUCCO FINISH PAINTED
- DRYWALL PAINTED
- □. APARTMENT STAIRWELL
- □ IMPACT RESISTANT DOOR
- 10. ACCESS LADDER TO ROOF WILOCK 11. CONCRETE PARAPET
- 12. FIBER CEMENT PANEL FINISH
- 1□. SCUPPER AND DOWNSPOUT
- 1□. □'-0" WOOD FENCE AND GATE
- 1□. ROOF FINISH W□MIN □□ SLOPE 1□. ROOF DRAIN
- 17. DROPPED CEILING
- 1□ CMU to be finished by Tenant
  - 1□. PERMEABLE TURF BLOCK

# GENERAL NOTES□

- DIMENSIONS SHOWN ARE NOMINAL. ACTUAL DIMENSIONS MAY VARY
- ANY CUTTING OF EXISTING DEMISING PARTITIONS SHALL BE PATCHED TO RESTORE FIRE RATING.
- ALL CONCRETE PATCHING MUST BE LEVEL WITH THE EXISTING CONCRETE FLOOR. CONCRETE SLAB BY CONTRACTOR
- ALL CHANGES AND MODIFICATIONS TO THE TENANT'S LANDLORD APPROVED DRAWINGS SHALL BE RESUBMITTED TO LANDLORD FOR PRE-APPROVAL. ANY CONSTRUCTION COMPLETED WITHOUT LANDLORD APPROVAL SHALL BE CORRECTED AS APPROVED BY LANDLORD AT TENANT'S EXPENSE.
- SEE SHEET A-12.0 FOR DOOR DETAILS
- PER FBC PLUMBING □10.1, WHERE WATER IS SERVED IN RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED
- CONTRACTOR TO CONFIRM CONDITION OF ADJACENT LEASE SPACES, TYP.
- TENANT IS TO PROVIDE AN ACCESS PANEL

  S□ FOR ANY COMMON AREA OR LANDLORD EQUIPMENT WHICH SHALL INCLUDE, BUT NOT NECESSARILY LIMITED TO, HVAC EQUIPMENT, SHUT-OFF VALVES, FIRESPRINKLER CHECK VALVES, AND WATERVALVES.

INTERIOR ELEVATION □7'-0" is 1' FOOT ABOVE BFE OF □0' AND 0.72' ABOVE HIGHER CROWN OF ROAD

			DOOR SCHEDULE			
MARK	TYPE	SIZE	DESCRIPTION	FIRE RATING	HARDWARE GROUP	NOTES
D1	Α	3'-0" x 6'-8"	NEW 16 GA. METAL DOOR / PAINT GRADE	90 MIN.	PANIC HARDWARE	ADA DOOR CLOSER NOA 18-0116.20
D2_	В	_3'-0" x 6'-8"	NEW SOLID CORE WOOD DOOR / PAINT GRADE		<u>L</u> /PR	ADA DOOR CLOSER
(D3	ĽĎ~	3'-0" x 6'-8"	NEW IMPACT RESIST. GLASS/OUTSWING DOOR	V V V	L/K/PANIC HARDWARE	ADA DOOR CLOSER NOA 18-0116.20
Ď4		3°-0" x 6'-8"	NEW SOLID CORE WOOD DOOR / PAINT CRADE			ADA DOOR CLOSER
D5	С	deleted /1\				
D6	В		NEW 16 GA. METAL DOOR / PAINT GRADE		L/DB	ADA DOOR CLOSER NOA 18-0116.20
D7	D	3'-0" x 8'-0"	NEW IMPACT RESIST. GLASS/OUTSWING DOOR		L/K/PANIC HARDWARE	ADA CLOSER/PRODUCT APPROVAL HVHZ FL 26891
D8	Ē	9'-2" x 8'-0"	NEW IMPACT RESISTANT GLASS EURO WALL SYSTEM/PAINT GRADE		L/K	NOA FL-27423

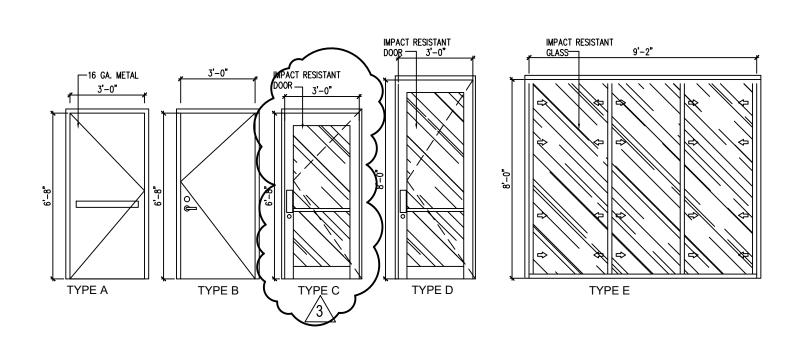
DOOR FINISH: M-METAL W-WOOD TG-TEMPERED GLASS

LATCH: PP-PUSH/PULL L-LEVER PH-PANIC HARDWARE WITH PULL ON REVERSE D-DUMMY PU-PUSH PANEL

LOCK: PR-PRIVAĆY K-KEYED DB-DEADBOLT HARDWARE FINISH: SS-STAINLESS STEEL KN-KNURLED FINISH

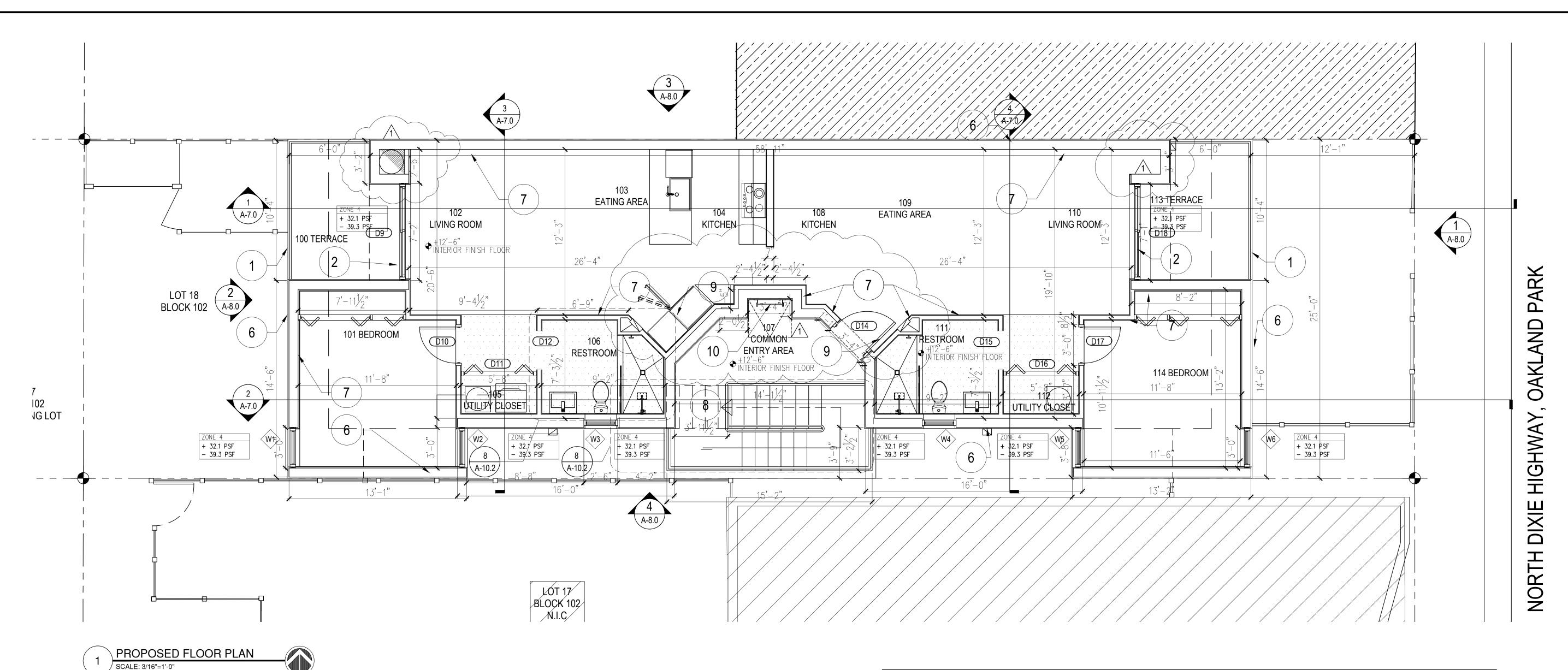
-VERIFY THAT ALL EXISTING EGRESS DOORS ARE OPERABLE AND KEYLESS FROM THE SIDE FROM WHICH EGRESS AT ALL TIMES THE BUILDING IS OCCUPIED. -VERIFY ALL EXISTING DOOR HARDWARE IN FIELD.

-DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE AT A MAX. HEIGHT OF 48" A.F.F. THE OPERATING DEVICES SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. -CONTRACTOR TO VERIFY DIMENSIONS IN THE FIELD, ALL EXISTING DOORWAY WIDTHS REQUIRING DOORS.



JCG 2018-22 2019-03-12 REFER TO PLAN AR-00015344

Sheet No.



PLUMBING FIXTURE CALCULATION

**RESTROOM** REQUIRED WC - 2 PROVIDED WC - 2 PROVIDED LAV. - 2 REQUIRED LAV. - 1 REQUIRED SHOWER -2 PROVIDED SHOWER.-2

PROPOSED TENANT OCCUPANCY RESIDENTIAL DWELLING UNITS

CALCULATION TO COMPLY WITH TABLE 403.1 FBC- PLUMBING SIXTH EDITION 2017

# ADA TOILET FACILITIES NOTE

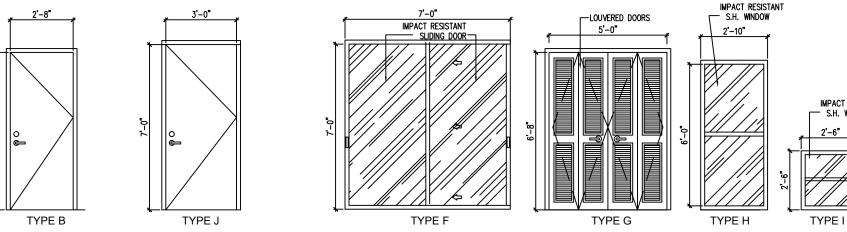
TOILETS ROOMS SHALL COMPLY WITH WITH CHAPTER 201,206,603, 2017-FBC - ACCESSIBILITY SIXTH EDITION.

# PROPOSED NOTES□

- 1. ALUMINUM GUARDRAIL
- 2. SLIDING IMPACT RESISTANT WINDOW
- KEY ACCESS ALUMINUM GATE DOOR
- □ ADA COUNTERTOP
- □ ALTERNATE EGRESS DOOR
- DRYWALL PAINTED
- ☐ APARTMENT STAIRWELL

□ STUCCO FINISH PAINTED

- □ IMPACT RESISTANT DOOR
- 10. ACCESS LADDER TO ROOF WILOCK
- 11. CONCRETE PARAPET
- 12. FIBER CEMENT PANEL FINISH 1□ SCUPPER AND DOWNSPOUT
- 1□ □'-0" WOOD FENCE AND GATE
- 1□ ROOF FINISH W□MIN □□ SLOPE
- 1□ ROOF DRAIN
- 17. DROPPED CEILING
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- 1□ PERMEABLE TURF BLOCK



# GENERAL NOTES□

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- ANY CUTTING OF EXISTING DEMISING PARTITIONS SHALL BE PATCHED TO RESTORE FIRE RATING.
- ALL CONCRETE PATCHING MUST BE LEVEL WITH THE EXISTING CONCRETE FLOOR. CONCRETE SLAB BY CONTRACTOR
- ALL CHANGES AND MODIFICATIONS TO THE TENANT'S LANDLORD APPROVED DRAWINGS SHALL BE RESUBMITTED TO LANDLORD FOR PRE-APPROVAL. ANY CONSTRUCTION COMPLETED WITHOUT LANDLORD APPROVAL SHALL BE CORRECTED AS APPROVED BY LANDLORD AT TENANT'S EXPENSE.
- SEE SHEET A-12.0 FOR DOOR DETAILS
- PER FBC PLUMBING □10.1, WHERE WATER IS SERVED IN RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED
- CONTRACTOR TO CONFIRM CONDITION OF ADJACENT LEASE SPACES, TYP.
- TENANT IS TO PROVIDE AN ACCESS PANEL

  S□ FOR ANY COMMON AREA OR LANDLORD EQUIPMENT WHICH SHALL INCLUDE, BUT NOT NECESSARILY LIMITED TO, HVAC EQUIPMENT, SHUT-OFF VALVES, FIRESPRINKLER CHECK VALVES, AND WATERVALVES.

INTERIOR ELEVATION □0'-0" CORRESPONDS TO LEVEL 12'- 1' FIN. FLOOR

			DOOR SCHEDULE			
MARK	TYPE	SIZE	DESCRIPTION	IRE RATING	HARDWARE GROUP	NOTES
D9	F	7'-0" X 7'-0"	NEW IMPACT RESIST. GLASS/SLIDING DOOR		L/K	SLIDING DOOR
D10	В	2-8" x 6'-8"	NEW SOLID CORE WOOD DOOR / PAINT GRADE		L/PR	SWING DOOR
D11	G	(2)2'-6" x 6'-8"	NEW BI-FOLD CORE WOOD DOOR/PAINT GRADE/LOUVERED		L	SWING DOOR
D12	ΛB	2'-4" x 6'-8"	NEW SOLID CORE WOOD DOOR / PAINT GRADE		L/PR	SWING DOOR
D13	/2/	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		3 90 MIN.		
D14	3	3'-0"×7'-0"	NEW 16 GA. METAL DOOR / PAINT GRADE fisheye Peep hole	90 MIN.	L/PR/DB	SWING DOOR/ADA DOOR CLOSER NOA 18-0116.20
D15	В		NEW SOLID CORE WOOD DOOR / PAINT GRADE		L/PR	SWING DOOR
D16	G	(2)2'-6" x 6'-8"	NEW BI-FOLD CORE WOOD DOOR/PAINT GRADE/LOUVERED		L	SWING DOOR
D17	В	2'-8" x 6'-8"	NEW SOLID CORE WOOD DOOR / PAINT GRADE		L/PR	SWING DOOR
D18	F	7'-0" X 7'-0"	NEW IMPACT RESIST. GLASS/SLIDING DOOR		L/K	SLIDING DOOR PRODUCT APPROVAL HVHZ FL 2689

DOOR FINISH: M-METAL W-WOOD TG-TEMPERED GLASS LATCH: PP-PUSH/PULL L-LEVER PH-PANIC HARDWARE WITH PULL ON REVERSE D-DUMMY PU-PUSH PANEL LOCK: PR-PRIVAĆY K-KEYED DB-DEADBOLT

HARDWARE FINISH: SS-STAINLESS STEEL KN-KNURLED FINISH

-VERIFY THAT ALL EXISTING EGRESS DOORS ARE OPERABLE AND KEYLESS FROM THE SIDE FROM WHICH EGRESS AT ALL TIMES THE BUILDING IS OCCUPIED. -VERIFY ALL EXISTING DOOR HARDWARE IN FIELD. -DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE AT A MAX. HEIGHT OF 48" A.F.F. THE OPERATING DEVICES SHALL BE

CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

			WINDOW	SCHEDULE		
MARK	TYPE	SIZE	DESCRIPTION	FRAME MATERIAL	NOTES	QUANTITY
W1	Н	2'-10" x 6'-0"	SINGLE HUNG-IMPACT RESISTANT WINDOW	ALUMINUM-PAINTED	WINDOW SHALL BE TINTED WITH 0.30 SHCG VALUE AND 1.07 U-FACTOR-OWNER TO CONFIRM	1 WINDOW/ NOA # 17.1212.13
W2	Н	2'-10" x 6'-0"	SINGLE HUNG-IMPACT RESISTANT WINDOW	ALUMINUM-PAINTED	WINDOW SHALL BE TINTED WITH 0.30 SHCG VALUE AND 1.07 U-FACTOR-OWNER TO CONFIRM	1 WINDOW/ NOA # 17.1212.13
W3	I	2'-6"x 2'-6"	SINGLE HUNG-NEW IMPACT RESISTANT WINDOW	ALUMINUM-PAINTED	WINDOW SHALL BE TINTED WITH 0.30 SHCG   VALUE AND 1.07 U-FACTOR-OWNER TO CONFIRM	1 WINDOW/ NOA # 18.0911.17
W4		2'-6"x 2'-6"	SINGLE HUNG-NEW IMPACT RESISTANT WINDOW	ALUMINUM-PAINTED	WINDOW SHALL BE TINTED WITH 0.30 SHCG	1 WINDOW/ NOA # 18.0911.17

ALUMINUM-PAINTED

ALUMINUM-PAINTED

- 1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SECURE ARCHTECT'S APPROVAL PRIOR ORDERING WINDOWS
- 2. ALL DIMENSION OPENINGS SHALL BE VERIFIED WITH MANUFACTURER PRIOR TO COMPLETING

-CONTRACTOR TO VERIFY DIMENSIONS IN THE FIELD, ALL EXISTING DOORWAY WIDTHS REQUIRING DOORS.

3. WINDOW CONTRACTOR SHALL OBTAIN AND PAY FOR SEPARATE PERMIT.

2'-10" x 6'-0" SINGLE HUNG -IMPACT RESISTANT WINDOW

W6 H 2'-10" x 6'-0" SINGLE HUNG-IMPACT RESISTANT WINDOW

WORK ON THE OPENINGS.

- 4. WINDOW SHALL COMPLY WITH DADE COUTY WIND AND IMPACT REQUIREMENTS. CONTRACTOR SHALL ESTIMATE DADE COUNTY APPROVED 'AS BASE BID AND APPROVED STANDARDSWS
- 5. ALL WINDOWS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE FBC & LOCAL ORDINANCES.
- 6. ALL WINDOWS SHALL BE CAT II SAFETY GLASS, PER FBC R 4410.2.6.2- ANY GLAZING ADJACENT WITHIN 48 INCHES OF A DOOR IN THE CLOSED POSITION SHALL BE CAT II SAFETY GLASS, PER FBC R4410.2.4.3

WOOD-DGW,LLC NEW BUILDING: RESTAURANT + 2 APARTMENTS	ction OAKLAND PARK, FLORIDA 33334 PH: 954 214-7574
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Revisions

08-10-2020

10-01-2020

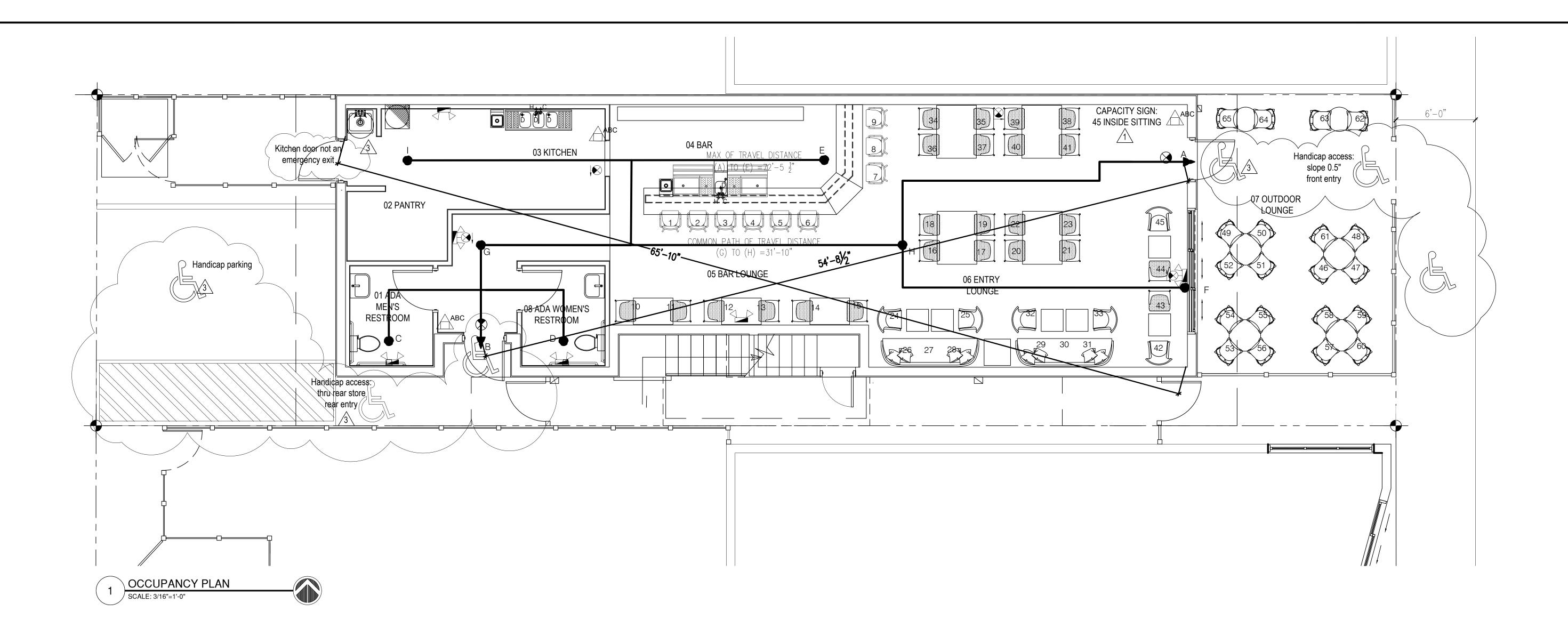
JCG 2018-22 2019-03-12

WINDOW/ NOA # 17.1212.13

1 WINDOW/ NOA # 17.1212.13

E REFER TO PLAN

AR-00015344 Sheet No.



# LIFE SAFETY LEGEND SYMBOL DESCRIPTION ABC TYPE PORTABLE FIRE EXTINGUISHER (WALL RECESSED CABINET) EXISTING ABC TYPE PORTABLE FIRE EXTINGUISHER EXIT DESIGNATION FIXTURE (RED EDGE LIT). EXIT\_FIXTURE (RED EDGE LIT). CEILING MOUNTED EMERGENCY LIGHT 90 MIN. WALL MOUNTED EMERGENCY LIGHT 90 MIN. EMERGENCY/EXIT LIGHT COMBO 90 MIN. FIRE ALARM STROBE (MOUNT 80" A.F.F. OR 6" BELOW CEILING) FIRE ALARM PULL STATION @ 48" A.F.F. FIRE ALARM AUDIO / VISUAL NOTIFICATION DEVICE (SPEAKER / STROBE WALL MOUNTED 6'-8" A.F.F.) K TYPE PORTABLE FIRE EXTINGUISHER

# FIRE PROTECTION NOTES

3. ALL VISUAL ALARMS SHALL BE @ 80" ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OF 6" BELOW THE CEILING, WHICHEVER IS LOWER AND INTEGRATED INTO THE ALARM SYSTEM IN AREAS OF COMMON USE AND SHALL BE VISIBLE IN ALL AREAS OF THE ROOM. 4. ALL INTERIOR WALL AND CEILING FINISHES TO BE CLASS "B" WITH A FLAME SPREAD RATING 0-25, SMOKE DEVELOPED 0-450.

5. ALL FLOOR FINISHES TO BE CLASS II, 0.22 WATTS PER SQUARE CM OR GREATER. 6. ONE "UL" LISTED 2A-10BC TYPE FIRE EXTINGUISHER SHALL BE INSTALLED FOR EACH 2,500 SQ. FT. OF FLOOR AREA, 75 FEET OF TRAVEL OR PART THERE-OF. TOP OF FIRE EXTINGUISHER NOT TO EXCEED 5 FT. ABOVE FLOOR. SEE FLOOR PLAN FOR LOCATION(S). VERIFY EXTINGUISHER TYPE AND LOCATION WITH FIRE MARSHAL

7. PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE CAULKING. (FLAME STOP, INC.: FLAME STOP V PUTTY CAULK). 8. ONE-HOUR (1-HR) FIRE-RATED WALLS, DEMISING WALLS OR PARTY WALLS SHALL MEET THE REQUIREMENTS OF THE GYPSUM ASSOCIATION FILE #WP 1200; FIRE TEST: FM WP-45, 6-19-68: OSU T-1770, 8/61.

9. ALL FIRE RATED WALLS TO BE FIRE BLOCKED @ 8'-0" ON CENTER VERTICALLY. 10. NO PIPE, DUCT, OR WIRE SHALL RUN THROUGH ANY STAIR OR STAIR ENCLOSURE.

11. MUSIC FROM MUSIC STATION SHALL HAVE SHUTOFF TIED TO THE FIRE ALARM SYSTEM.

12. MAX TRAVEL DISTANCE AS PER FFPC 2017/NFPA 101:13.6.2 = 250' Fully Sprinklered BLDG.

13. BUILDING SHALL COMPLY WITH FFPC/NFPA 1 CHAPTER 16 2017 6th EDITION.

# WALKING SURFACES OF MEAN OF EGRESS NOTE

WALK SURFACES OF THE MEAN OF EGRESS SHALL HAVE A SLIP RESISTANCE AND SECURELY ATTACHED SURFACE. AS PER F.B.C-1003.4

NOTE TO COMPLY WITH SECTION 1003.4 OF F.B.C 6TH EDITION

# **EMERGENCY PLAN GENERAL NOTES:**

- 1. ALL PROPOSED EXIT AND EMERGENCY LIGHTS WILL BE WIRED ON A SEPARATE CIRCUIT AND WILL BE LOCKED ON IN THE PANEL. 2. FINAL LOCATIONS OF ALL EXIT AND EMERGENCY LIGHTS TO BE APPROVED BY FIRE DEPARTMENT.
- 3. ALL ELECTRICAL WORK TO COMPLY WITH BOTH THE N.E.C. AND LOCAL MUNICIPAL CODES.

# SEATING CAPACITY

05 BAR LOUNGE 06 ENTRY LOUNGE 07 OUTDOOR LOUNGE

TOTAL PROPOSED SEATING

# DISPLAY SIGN IN A CONSPICUOUS PLACE $\frac{1}{2}$

ALL FIRE EXTINGUISHERS SHALL BE RECESSED INTO WALL WHERE IT IS LOCATED. CONTRACTOR TO SUBMIT SPEC SHEET FOR APPROVAL BY ARCHITECT.

GENERAL NOTES

- SEE ELECTRICAL PLANS FOR ARCHITECTURAL EMERGENCY LIGHTING.
- ALL ACCESSIBLE DOORS WIDTH WILL BE MEASURED FROM OPEN DOOR FINISH TO JAMB DOOR STOP.

# 01 ADA MEN'S RESTROOM/03 ADA WOMEN'S RESTROOM: 91 S.F. @ 100 S.F./OCCUPANT

OCCUPANCY CALCULATIONS

as per NFPA 101 - 7.3.1.2

07 OUTDOOR LOUNGE: 310 S.F.@ 15 S.F./OCCUPANT

05 BAR LOUNGE/06 ENTRY LOUNGE:

675 S.F@15 S.F./OCCUPANT

02 DISHWASHING/03 KITCHEN:

180 S.F @ 100 S.F./OCCUPANT

42 S.F @ 100 S.F./OCCUPANT

TOTAL ALLOWED OCCUPANCY 68 OCCUPANTS

# **EXIT CAPACITY**

EXIT CAPACITY EXIT # 1

EXIT # 2

(1) 3'-0" WIDTH DOOR 34"/0.2 = 170 PERSONS

(1) 3'-0" WIDTH DOOR 34"/0.2 = 170 PERSONS

TOTAL EXIT CAPACITY = 340 PERSONS

MAXIMUM TRAVEL DISTANCE: (NFPA 101-13.2.6) ASSEMBLY MAX. TRAVEL DISTANCE (FULLY SPRINKLERED) ACTUAL MAX. TRAVEL DISTANCE (TRAVEL DISTANCE (A) TO (J) 128'-2"

\*ALL EXIT DOORS TO BE EITHER 90 MIN. B-LABEL OR 4 HR. A-LABEL FIRE-RATED DOORS WITH PANIC HARDWARE (TO OPEN @ 15 PSF PUSH FORCE, TYPICAL) AND SELF-CLOSING DEVICES. \*ALL EXIT DOORS TO SWING IN THE DIRECTION OF EXIT TRAVEL.

# TOTAL PROPOSED OCCUPANCY

ALLOWED OCCUPANCY

(2) 3'-0" DOOR - 34"/0.2 = 340 PERSONS TOTAL DOOR, STAIR EXIT CAPACITY = 333 AS PER NFPA 101-13.2.3.6.2

SEATING (45+20) = 65 OCCUPANTS OCCUPANCY LOAD = 68 PERSONS125 TOTAL OCCUPANTS < 340 TOTAL ALLOWED

# COMMON PATH OF TRAVEL COMPLIANCE

AS PER FBC 1015.2.1

COMMON PATH FROM (G) TO (H) =  $22'-8\frac{1}{2}''$ 

ACCORDING TO (TABLE A.7.6) NFPA 101 7.6

"OK" MAXIMUN COMMON PATH OF TRAVEL = 75'-0"

# EXIT DOOR DISTANCE COMPLIANCE

AS PER FBC 1015.2.1

MAX. OVERALL DIAGONAL DIMENSION OF AREA SERVED = 61'-0"DISTANCE BETWEEN EXITS =  $50'-11\frac{1}{2}$ 

 $\frac{1}{3}$  OF OVERALL DIAGONAL DIMENSION = 20'-3" < 50'-11  $\frac{1}{2}$ " "OK"

# TRAVEL DISTANCES

MAX. TRAVEL DISTANCE, TRAVEL DISTANCE (A) TO (E)  $72'-5\frac{1}{2}''$ 

MINIMUM WIDTH AT COMMON PATH OF TRAVEL AND TRAVEL DISTANCE 3'-0"

# OCCUPANCY LOAD SIGN POSTED NOTE

EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT.

NOTE TO COMPLY WITH SECTION 1004.3 OF F.B.C 6TH EDITION

Revisions

08-10-2020

10-01-2020

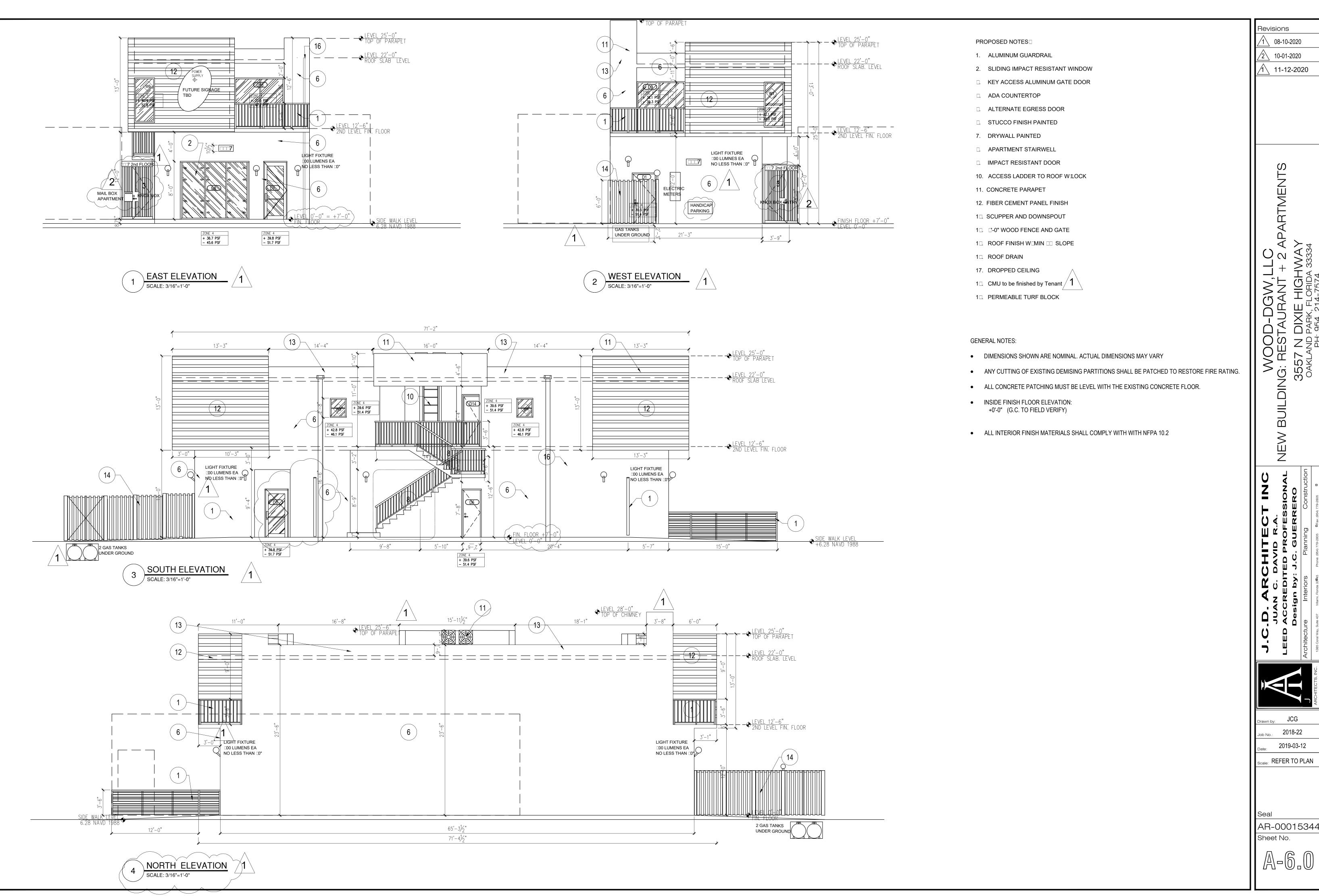
11-12-2020

JCG 2018-22

2019-03-12

REFER TO PLAN

AR-00015344



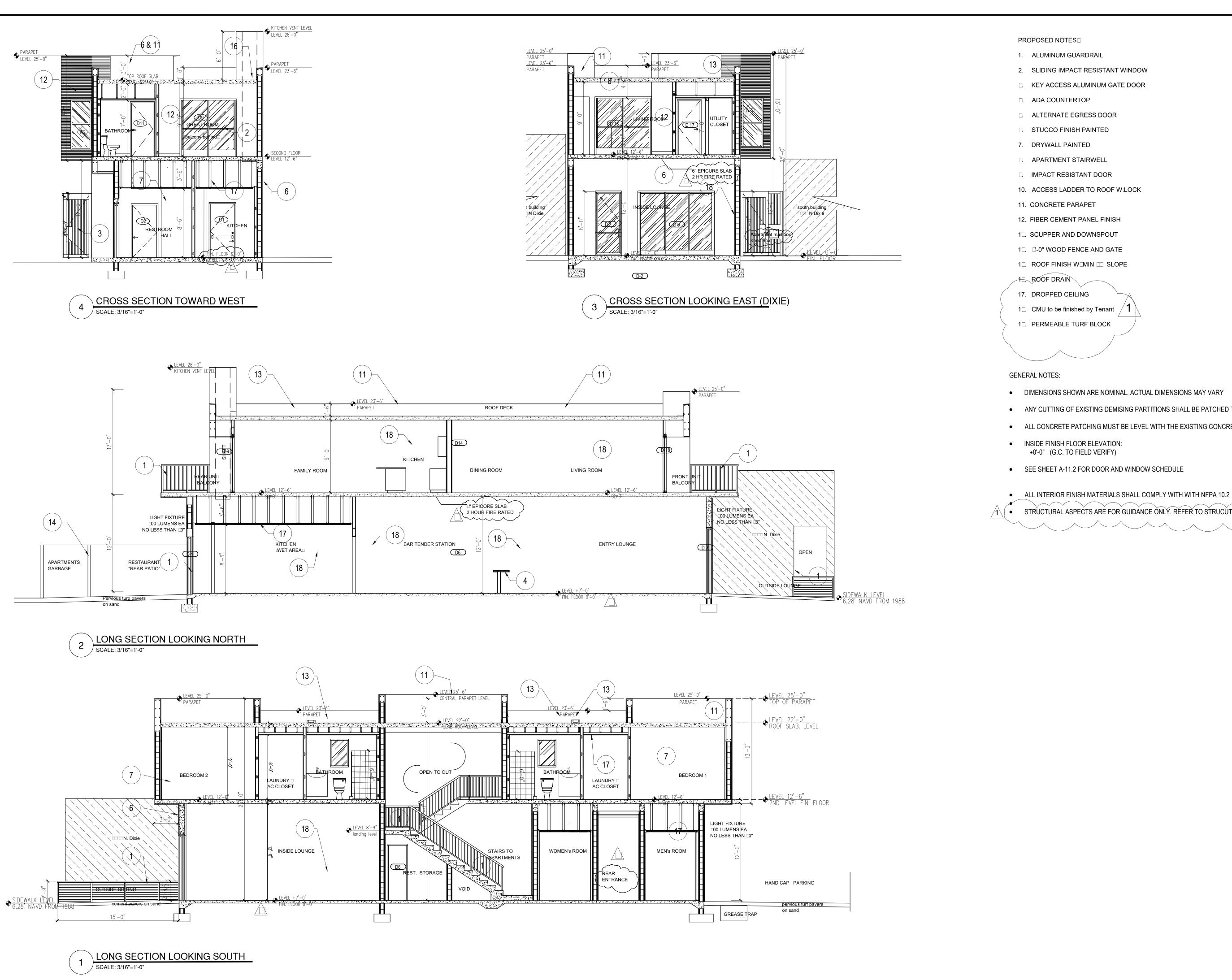
Revisions 08-10-2020

10-01-2020

11-12-2020

JCG 2018-22

2019-03-12 ale: REFER TO PLAN



- DIMENSIONS SHOWN ARE NOMINAL. ACTUAL DIMENSIONS MAY VARY
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- ALL CONCRETE PATCHING MUST BE LEVEL WITH THE EXISTING CONCRETE FLOOR.
- SEE SHEET A-11.2 FOR DOOR AND WINDOW SCHEDULE

1 • STRUCTURAL ASPECTS ARE FOR GUIDANCE ONLY. REFER TO STRUCUTRAL PLANS ATTACHED

Revisions 08-10-2020 10-01-2020

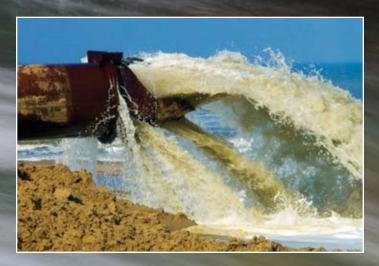
11-12-2020

2018-22 2019-03-12 ale: REFER TO PLAN

AR-00015344

# CALSTONE **Because Quality Matters** ermeable Pavers mane de Permeable Interlocking **Concrete Pavements (PICP's)** CBC Title 24/ADA Compliant LEED Functional Optimum balance of surface infiltration and joint interlock Available in a 6 x 9 Quarry Stone that provides a natural look Available in a 4 x 8 that's perfect for architectural applications Easily integrated with our standard paving stone lines calstone.com

# Why PICP is right for our environment...



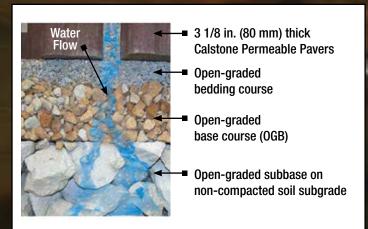
#### THE PROBLEM

Urbanization has increased excess storm water runoff from impervious surfaces. Impervious surfaces prevent ground water from being recharged and decrease the availability of drinking water in many communities. Increased runoff causes stream bank erosion and results in additional pollutants being transported to reservoirs, lakes, and oceans.

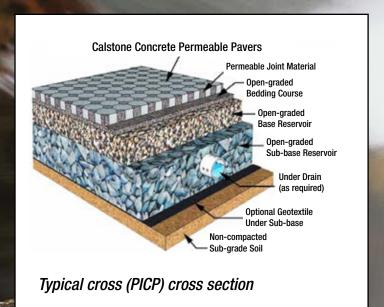
#### THE SOLUTION

Permeable interlocking concrete pavements are typically built on an open-graded, crushed stone base. The base offers infiltration and partial treatment of stormwater pollution and therefore, can be categorized as a structural BMP (Best Management Practice). Infiltration of rainfall helps maintain the balance of water in the soil, groundwater, and streams, thus supporting the water cycle. Besides reducing runoff, a certain degree of treatment occurs to the various pollutants in the water.

If the infiltration capacity of the soil is exceeded, or there are particularly high levels of pollutants, the pavement base can be designed to filter, partially treat, cool, and slowly release water into a storm sewer or water course. When conditions allow, channeling rainfall to the natural aquifer through infiltration is possible.



Permeable interlocking concrete pavement (PICP) with open-graded base and subbase for infiltration and storage.





- Improved water quality
- Reduced construction costs of drainage system
- Reduces storm water runoff and flooding
- Preserves our stream beds and river banks
- Can sustain heavy loading
- Increases storm water storage
- Promotes groundwater recharge
- Can be mechanically installed
- Allows water infiltration to tree roots
- Increased lot usage

#### **APPLICATIONS**

- Commercial & residential driveways
- Public parking lots
- Emergency vehicles access lanes
- Pedestrian paths
- Commercial entrances
- Plazas

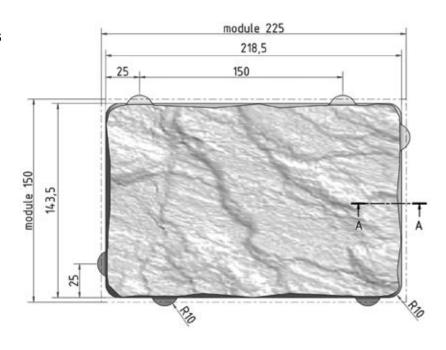
The unique design of the pavers include a spacing gap that is filled with crushed stone joint material that provides very high infiltration rates to handle severe weather.



## 6 x 9 Quarry Stone Specifications

- 76 square feet per pallet
- 210 stones per pallet
- 5.91" x 8.86" Coverage Area
- 80 millimeter height
- 2.75 stones per square foot
- 6.0% open area
- Joint material should be stone size
  # 89 or # 9 and conform to ASTM D448
- 30 inches per hour initial infiltration rate

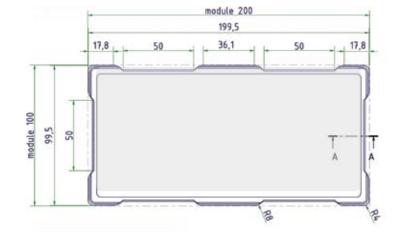






## 4 x 8 Product Specifications

- 88 square feet per pallet
- 400 full stones / 24 half stones per pallet
- 3.94" x 7.87" Coverage Area
- 80 millimeter height
- 4.7 stones per square foot
- 5.8% open area
- Joint material should be stone size #89 or #9 and conform to ASTM D448
- 30 inches per hour initial infiltration rate







The 4x8 permeable paving stone can be manufactured in any of our Quarry Stone colors, (as shown on the next page), or our Classic Cobble colors, which can be viewed at **calstone.com** in the Paving Stone section.





## **Color Selection Guide**

From a natural stone origin, using up to six blended colors, we created eight distinctively blended choices. Permeable Pavers come in all the Quarry Stone colors shown on this page.



## Where Calstone Concrete Pavers Can Help Your Project Achieve LEED Credits:

LEED Credit	LEED Intent	How Calstone Pavers Contributes
Sustainable Sites (SS) 6.1 - Storm Water Design Quantity Control 1 Point	Limit disruption of natural water hydrology by reducing impervious cover, increasing on-site infiltration, and managing stormwater runoff.	Permeable Interlocking Concrete Pavement (PICP) captures and treats stormwater beneath the pavement Captured stormwater can be infiltrated to ground water, released at a controlled rate to a storm drain, or harvested for use in any of 5 water efficiency credits
Sustainable Sites (SS) 6.2 - Storm Water Design Quantity Control 1 Point	Reduce or eliminate water pollution by reducing impervious cover, increasing on-site infiltration, eliminating sources of contaminants, and removing pollutants from stormwater runoff.	PICP systems can be designed to infiltrate all stormwater on site. Water that is infiltrated on site is considered 100% treated. All PICP's reduce the Total Suspended Solids (TSS) in captured water.
Sustainable Sites (SS) 7.1 - Heat Island Effect 1 Point 50% 2 Points 100% (ID)	Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.	Calstone offers high albedo colors that reduce heat absorption. Lighter colored pavements aid in improving night time visibility and reduce site lighting requirements.
Materials and Resources (MR) 2.1 and 2.2 - Construction Waste Management 1 Point 50% 2 Points 75% 3 Points 95% (ID)	Divert construction and demolition debris from disposal in landfills. Redirect recyclable recovered resources back to the manufacturing process.	100% of the materials used in a PICP system are recyclable, and 100% of Calstone packaging materials are recyclable. All shipping pallets, excess paving stones, cut & scrap stones, and base & bedding materials, can be returned directly to Calstone for on-site recycling.
Materials and Resources (MR) 3.1 and 3.2 - Materials Reuse 1 Point 5% 2 Points 10% 3 Points 15% (ID)	Reuse building materials in order to reduce demand for virgin materials and to reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources.	Paving stones, and most of the components in a PICP system, are completely reusable. A PICP can be removed and replaced in the original or new layout with little to no additional material required.
Materials and Resources (MR) 4.1 and 4.2 - Recycled Content 1 Point 10% 2 Points 20% 3 Points 30% (ID)	Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.	Calstone is constantly active in research and development of mix designs using recycled materials. Special high recycled content custom mix designs are available. Many of these designs offer additional performance advantages.
Materials and Resources (MR) 5.1 and 5.2 - Regional Materials 1 Point 10% 2 Points 20% 3 Points 40% (ID)	Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.	All Calstone manufacturing facilities service the same area within a 500 mile radius. Over 99% of the materials used in our paving stones are sourced within a 500 mile radius.
Innovation in Design (ID) 1.1 - 1.4	To provide design teams and projects the opportunity to be awarded points for exceptional performance.	Additional points as noted above for exemplary performance SS 7.1, MR 2.2, 3.2, 4.2, and 5.2

#### **INSTALLATION**

For Design, Construction, and Maintenance please refer to: ICPI - Permeable Interlocking Concrete Pavements by David R. Smith.

Installation drawings are available at **www.icpi.org** in the publications section.



For a complete set of specifications go to **www.calstone.com** under specifications in the paving stone section.

#### **Technical Guidelines**

- Pavers conform to ASTM C936
- Construction aggregates must conform to ASTM D448
- Joint filling stone gradation: ASTM # 89 or 9
- Base gradation: ASTM # 57
- Subbase gradation: ASTM # 2, 3 or 4 (railroad ballast)
- Soil subgrade: classified per ASTM D2487; tested for permeability per ASTM D3385
- Structural design: ICPI design chart determines minimum base thickness to support pedestrian and vehicular traffic





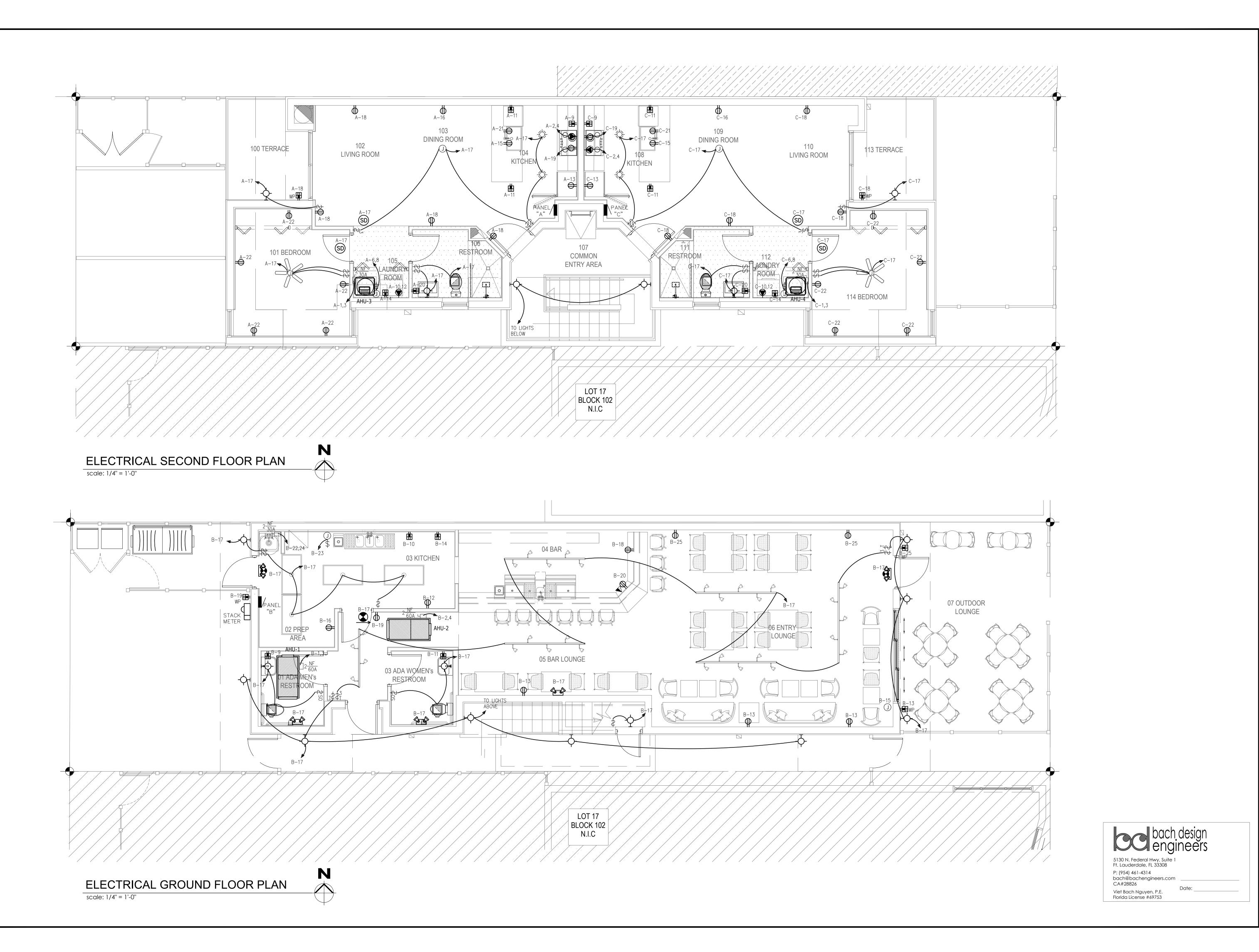
# CALSTONE

Manufacturing Service Centers:

**San Martin** - phone (408) 686-9627 13775 Llagas Ave. San Martin, CA 95046

**Sunnyvale** - phone (408) 984-8800 1155 Aster Ave. Sunnyvale, CA 94086 **Galt** - phone (209) 745-2981 421 Crystal Way, Galt, CA 95632

**Tracy** - phone (209) 833-7366 426 East Grant Line Road, Tracy, CA 95376



VV DAR-DESTAURANT + Z AFARTI 3557 N DIXIE HIGHWAY OAKLAND PARK, FLORIDA 33334 PH: 954214 7574

Revisions

C.D. ARCHITECT INC JUAN C. DAVID R.A. ED ACCREDITED PROFESSIONAL Design by: J.C. GUERRERO

LEED
Architect
Architect
Architect

Drawn by:

Job No.:

2020-01-27

Scale: REFER TO PLAN

Seal

Sheet No.

E-1

	PAN	IEL SCHEDULE "A"					<b>NEW</b>	7										
	Rated	l Voltage:	240Y/12	οv	1PH,3\	N		I	Manuf	facturer:	SQUARE	D QO	OR EQUA	L N	lounting	FLUSH		
	Rated	l Amps: (Cu bus)	125A		SPACE	S:	30		L	ocation:	APARTI	IENT KI	TCHEN		Type	NEMA 1		
	Main:		MLO						Pro	ject No:				A.I.C	. Rating:	10K		
						K۱	/A				K۱	⁄Α						
OTES		CIRCUIT DESIGNATION	O.C.P.	AWG/NMS	APPL	OTHER	HVAC	LGT/REC	LINE	APPL	OTHER	HVAC	LGT/REC	AWG/NMS	0.C.P.	CIRCUIT DESIGNATION		NOT
	1	AHU-3	25/2	#10			1.80		1	4.00				#6	50/2	RANGE	2	
	3						1.80		2	4.00							4	
3	5	CU-3	15/2	#14					1	2.25				#10	30/2	WATER HEATER	6	
	7								2	2.25							8	
	9	KITCHEN SMALL APPLIANCE	20/1	#12	1.50				1	2.50				#10	30/2	DRYER	10	
	11	KITCHEN SMALL APPLIANCE	20/1	#12	1.50				2	2.50							12	
8	13	REFRIGERATOR	20/1	#12	1.20				1	1.20				#12	20/1	WASHER	14	1
8	15	DISPOSAL	20/1	#12	1.20				2					#12	20/1	DINING ROOM RECEPT.	16	2,
2,8	17	LIGHTING	15/1	#14				0.80	1					#14	15/1	LIVING ROOM RECEPT.	18	2
8	19	MICROWAVE	20/1	#12	1.50				2					#12	20/1	RESTROOM RECEPT.	20	2
8	21	DISHWASHER	20/1	#12	1.20				1					#14	15/1	BEDROOM RECEPT.	22	2,
	23	SPACE							2							SPACE	24	
	25	SPACE							1							SPACE	26	
	27	SPACE							2							SPACE	28	
	29	SPACE							1							SPACE	30	
		SUBTOTAL	CONNECT	ED LOAD:	8.1	0.0	3.6	0.8		18.7	0.0	0.0	0.0	: SUBTOT	AL CONN	ECTED LOAD		
		Aparment Area in Sq. Ft. =	570.0						A	A/C Load	@100%		3.6		note 1	HCAR Breaker		
		Total less A/C=	29.31					A	ppliand	ce Load (	@ 100%:		26.8		note 2	Receptacle @ 3W/Sq.Ft.		
		1St 10K Watts @ 100%=	10.00		Conne	ected Add	litional Li	ghting/Re	ecepta	cle Load	@100%:		0.8		note 3	Non-Cuncurrent Load (A/C)		
		Remainder @ 40%=	7.72						Oth	ner Load	@100%:		0.0		note 4	G.F.C.I. /Arch Fault type circuit breake	er	
		A/C @100%=	3.60						Recep	tacles @	3W/Ft.:		1.7		note 5	Lockable circuit breaker		
		TOTAL COMPUTED KVA=	21.3				TOT	AL CO	NNE	CTED	LOAD:		33	KVA	note 6	time switch controlled		
	7	TOTAL COMPUTED AMPS=	89												note 7	Verify C/B size with Equipt. Name plate	9	
OTE	: DEN	MAND LOAD AS PER NEC 2	014 220.	82	]										note 8	Arch Fault Circuit Interrupter		

	PAN	NEL SCHEDULE "C"					NEW	1										
	Rated	d Voltage:	240Y/12	OV	1PH,3\	N			Manuf	acturer:	SQUAR	E D QO	OR EQUA	AL N	/lounting	: FLUSH		
	Rated	d Amps: (Cu bus)	125A		SPACE	S:	30		L	ocation:	APARTI	MENT KI	TCHEN		Туре	: NEMA 1		
	Main:		MLO						Pro	ject No:				A.I.C	C. Rating	: 10K		
			_			K۱	<b>V</b> A				K۱	/A						_
NOTES		CIRCUIT DESIGNATION	O.C.P.	AWG/NMS	APPL	OTHER	HVAC	LGT/REC	LINE	APPL	OTHER	HVAC	LGT/REC	AWG/NMS	O.C.P.	CIRCUIT DESIGNATION	<u> </u>	NOTES
	1	AHU-4	25/2	#10			1.80		1	4.00				#6	50/2	RANGE	2	
	3						1.80		2	4.00							4	
3	5	CU-4	15/2	#14					1	2.25				#10	30/2	WATER HEATER	6	
	7								2	2.25							8	
	9	KITCHEN SMALL APPLIANCE	20/1	#12	1.50				1	2.50				#10	30/2	DRYER	10	
	11	KITCHEN SMALL APPLIANCE	20/1	#12	1.50				2	2.50							12	
8	13	REFRIGERATOR	20/1	#12	1.20				1	1.20				#12	20/1	WASHER	14	8
8	15	DISPOSAL	20/1	#12	1.20				2					#12	20/1	DINING ROOM RECEPT.	16	2,8
2,8	17	LIGHTING	15/1	#14				0.80	1					#14	15/1	LIVING ROOM RECEPT.	18	2,8
8	19	MICROWAVE	20/1	#12	1.50				2					#12	20/1	RESTROOM RECEPT.	20	2
8	21	DISHWASHER	20/1	#12	1.20				1					#14	15/1	BEDROOM RECEPT.	22	2,8
	23	SPACE							2							SPACE	24	
	25	SPACE							1							SPACE	26	
	27	SPACE							2							SPACE	28	
	29	SPACE							1							SPACE	30	
		SUBTOTAL	CONNECT	ED LOAD:	8.1	0.0	3.6	0.8		18.7	0.0	0.0	0.0	: SUBTOT	AL CONN	IECTED LOAD		
		Aparment Area in Sq. Ft. =	570.0						A	A/C Load	@100%		3.6		note 1	HCAR Breaker		
		Total less A/C=	29.31					Α	ppliand	e Load (	<b>@</b> 100%:		26.8		note 2	Receptacle @ 3W/Sq.Ft.		
		1St 10K Watts @ 100%=	10.00		Conne	ected Add	litional Li	ghting/Re	eceptad	cle Load	@100%:		8.0		note 3	Non-Cuncurrent Load (A/C)		
		Remainder @ 40%=	7.72						Oth	ner Load	@100%:		0.0		note 4	G.F.C.I. /Arch Fault type circuit breake	er	
		A/C @100%=	3.60						Recep	tacles @	3W/Ft.:		1.7		note 5	Lockable circuit breaker		
		TOTAL COMPUTED KVA=	21.3				TOT	AL CO	NNE	CTED	LOAD:		33	KVA	note 6	time switch controlled		
		TOTAL COMPUTED AMPS=	89		_										note 7	Verify C/B size with Equipt. Name plate	9	
NOTE	: DEN	MAND LOAD AS PER NEC 2	014 220.	82	]										note 8	Arch Fault Circuit Interrupter		

	PANEL SCHEDULE	"B"	<b>0</b> \/			NEW 1DU 3				Man	fo oturo =		COLLABO	: D OO OB !	EOUAL		Marrati	na:	ELLICH		
	Rated Voltage:	120/24	UV			1PH, 3		40			facturer:			D QO OR I			Mounti _	ng:	FLUSH		
	Rated Amps: (Cu bus)	250A				SPACES	S:	42		Locat			RESTAU	RANT HALI	_ WAY		Type:		NEMA 1		
	Main:	MLO								Proje	ct No:						A.I.C:		10K		
	Т	Т	I	MAX.	VOLT		<u> </u>	KVA				ŀ	(VA		MAX.	VOLT	I		I	1	
OTE	CIRCUIT DESIGNATION	O.C.P.	AWG	DIST.(ft		RCPT	LTG/CONT	KITCHEN	MOTOR/APP.	PH	RCPT	LTG/CONT	KITCHEN	MOTOR/APP	DIST.(ft)		AWG	O.C.P.	CIRCUIT DESIGNATION		NOT
	AHU-1	60/2	6	140	3%				3.60	1				3.60	140	3%	6	60/2	AHU-2	2	
;	3		6	140	3%				3.60	2				3.60	140	3%	6			4	
	5 CU-1	50/2	6		3%					1						3%	6	50/2	CU-2	6	
	7		6		3%					2						3%	6			8	
	MENS RESTROOM RECEPT.	20/1	12	110	3%	1.20				1				1.00	132	3%	12	20/1	FUTURE ICE MACHINE	10	
1	1 WOMENS RESTROOM RECEPT.	20/1	12	110	3%	1.20				2				0.60	219	3%	12	20/1	FUTURE REFRIGERATOR	12	
	3 ENTRY LOUNGE RECEPT.	20/1	12	110	3%	1.20				1				0.60	219	3%	12	20/1	FUTURE FREEZER	14	
	5 ENTRY LOUNGE EQUIPMENTS	20/1	12	165	3%				0.80	2				0.60	219	3%	12	20/1	FUTURE FREEZER	16	
1		20/1	12	132	3%		1.00			1				0.30	439	3%	12	20/1	BAR COOLER	18	
1		20/1	12	110	3%	1.20				2	0.80				165	3%	12	20/1	POS	20	
2		20/1	12	110	3%	1.20				1	0.00			2.25	96	3%	10	30/2	WATER HEATER	22	
2		20/1	12	110	3%	20			1.20	2				2.25	96	3%	10	00.2		24	
	5 ENTRY LOUNGE RECEPT.	20/1	12	110	3%	1.20			1.20	1				2.20		070	10		SPACE	26	
2		20/1	12	110	0 70	1.20				2									SPACE	28	
2										1									SPACE	30	
3										2									SPACE	32	
	3 SPACE									1									SPACE	34	
	5 SPACE									2									SPACE	36	
3										1									SPACE	38	
3	9 SPACE									2									SPACE	40	
4	1 SPACE									1									SPACE	42	
T	SUBTOTAL CON	INECTED	LOAD			7.2	1.0	0.0	9.2		0.8	0.0	0.0	14.8			: SUBT	OTAL C	CONNECTED LOAD		

CONTINUOUS & LARGEST MOTOR @ 25%:

CONNECTED MOTOR LOADS @ 75%:

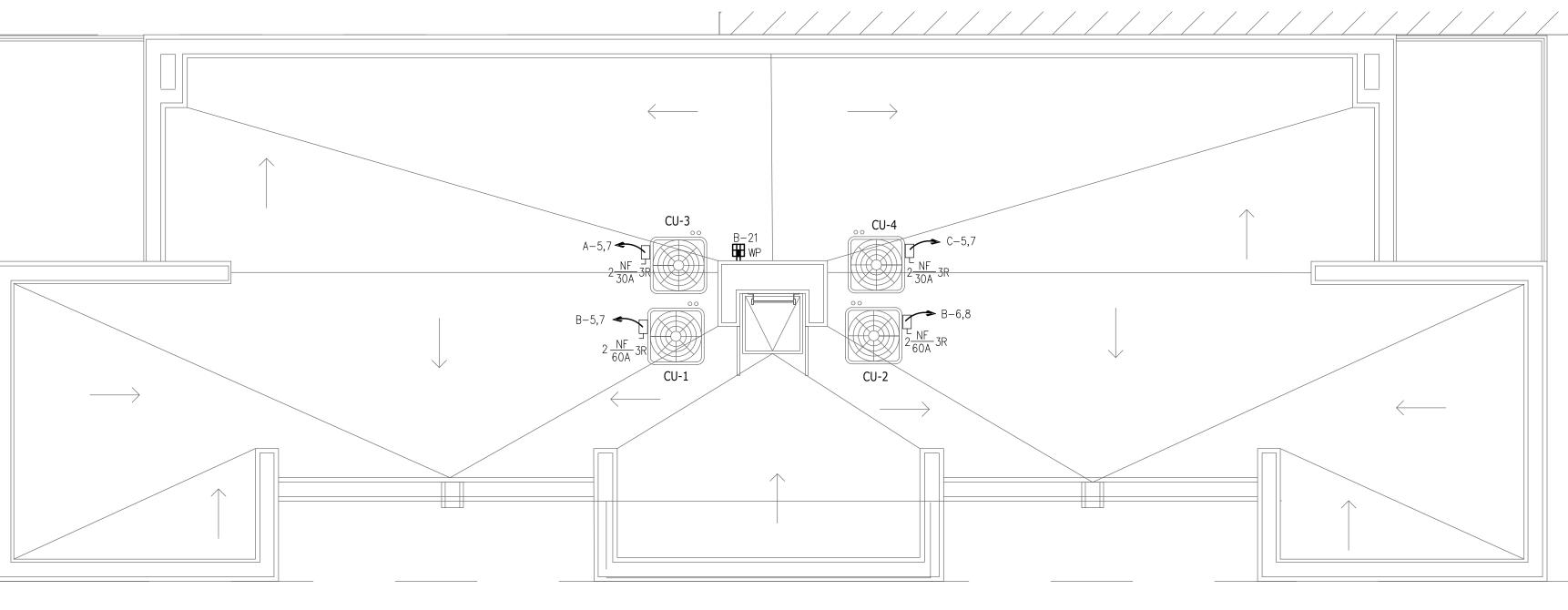
CONNECTED LIGHTING LOAD @100%:

CONNECTED KITCHEN LOADS @ 65%::

RECEPTACLE COMPUTED LOAD:

TOTAL COMPUTED LOAD

RECEPT. CONNECTED LOAD: 8.0



18.0

0.0

8.0

27.3 KVA

113.5 AMPS

ELECTRICAL ROOF PLAN scale: 1/4" = 1'-0"



Note 1: Verify max. O.C.P.D. with nameplate.

Note 2: Lockable circuit breaker.

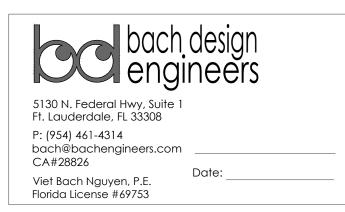
Note 6: Non concurrent load.

Note 4: G.F.C.I. type circuit breaker.

Note 7: Run though lighting relay panel.

Note 3: Shunt trip C.B.

Note 5: Hacr C.B.



Revisions

2020-01-27 Scale: REFER TO PLAN

Seal

Sheet No.

E-2

## **ELECTRICAL SPECIFICATIONS**

- 1. MATERIALS AND INSTALLATION, AS A MINIMUM, ARE TO CONFORM WITH THE CODES IN EFFECT: THE NATIONAL ELECTRIC CODE NEC 2014, FBC 2017 (6TH EDITION), FFPC 2014, NFPA 72 2010, LOCAL CODES, ORDINANCES, INCLUDING ALL AMENDMENTS TO THE N.E.C.. EQUIPMENT, WHERE APPLICABLE, WILL BE LISTED WITH THE UNDERWRITERS LABORATORIES, INC. QUALITY AND WORKMANSHIP ESTABLISHED BY DRAWINGS AND SPECIFICATIONS ARE NOT TO BE REDUCED BY THE
- 2. TO THE BEST OF OUR KNOWLEDGE AND ABILITY THESE DRAWINGS REPRESENT AN ACCURATE PRESENTATION OF EXISTING CONDITIONS BASED UPON CAREFUL EVALUATION OF OBSERVED CONDITIONS TO THE EXTENT REASONABLY POSSIBLE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND IMMEDIATELY NOTIFY ENGINEER WITH ANY

BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.

- 3. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST—CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM IS TO BE FULLY OPERABLE AND ACCEPTANCE OF THIS SYSTEM BY THE ENGINEER MUST BE A CONDITION OF THE SUB
- 4. ALL WORK TO BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- 5. CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- 6. CORRECTION OF ANY DEFECTS TO BE COMPLETED WITHOUT ADDITIONAL CHARGE AND TO INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- 7. ALL REQUIRED INSURANCE TO BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR THE DURATION OF THE
- 8. CONTRACTOR TO PAY FOR ALL PERMITS, FEES INSPECTIONS AND TESTINGS.
- 9. ELECTRICAL INSTALLATION TO MEET ALL STANDARD REQUIREMENTS OF LOCAL POWER AND TELEPHONE COMPANIES. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL POWER AND TELEPHONE COMPANIES PRIOR TO START OF CONSTRUCTION.
- 10. ALL WIRING SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE SHALL BE #12 AWG, EXCLUDING CONTROL WIRING. ALL CONDUCTORS SHALL BE COPPER WITH THWN/THHN INSULATION. CONDUCTORS #10 AND SMALLER MAY BE SOLID; ALL THOSE #8 AND LARGER TO BE STRANDED.
- 11. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND BE OF SPECIAL CONSTRUCTION FOR OTHER CLASSIFIED AREAS. ALL BOXES SHALL BE RECESSED (FLUSH) IN WALLS OR CEILINGS WHENEVER POSSIBLE.
- 12. DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK—MAKE, QUICK—BREAK TYPE. ENCLOSURES SHALL BE AS REQUIRED BY N.E.C. AND LOCATION (WEATHERPROOF, EXPLOSION PROOF, ETC.). ENGRAVED LAMINATED PLASTIC IDENTIFICATION PLATES SHALL BE FURNISHED AND INSTALLED ON ALL DISCONNECT SWITCHES, CONTACTORS AND STARTERS.
- 13. ALL FUSES FOR SAFETY SWITCHES SHALL BE DUAL ELEMENT, CARTRIDGE TYPE. FUSES SHALL BE THOSE MANUFACTURED BY EITHER BUSSMAN OR LITTLEFUSE. THE CONTRACTOR SHALL FURNISH TO THE OWNER ONE SPARE FUSE FOR EACH SIZE AND TYPE OF FUSE INSTALLED. FUSES 600 AMPS OR LESS SHALL BE CLASS RK1, TYPICAL UNLESS OTHERWISE NOTED. FUSES OVER 600 AMPS SHALL BE CLASS
- 14. ALL GENERAL PURPOSE SWITCHES AND RECEPTACLES SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. CATALOG NUMBERS LISTED ARE LEVITON: HOWEVER, COMPARABLE DEVICES BY PASS & SEYMOUR, BRYANT, OR ARROW HART WILL BE ACCEPTED. COLOR OF DEVICES AND PLATES SHALL BE WHITE UNLESS DICTATED OTHERWISE BY
- 15. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM, AND PROVIDE ALL NECESSARY DEVICES AND COMPONENTS FOR EQUIPMENT BE PLACED IN PROPER WORKING ORDER.
- 16. A SEPARATE, GREEN TYPE THWN COPPER GROUND CONDUCTOR SHALL BE RUN FROM GROUND LUG OF EACH GROUNDED RECEPTACLE TO AN APPROVED CONNECTION INSIDE THE ENCLOSING STEEL OUTLET BOX. DEVICE MOUNTING SCREWS SHALL NOT BE CONSIDERED AN APPROVED GROUND. A SEPARATE GROUND CONDUCTOR SHALL BE INSTALLED IN EVERY CONDUIT AND RACEWAY AND SECURELY BONDED IN AN APPROVED GROUNDING TERMINAL AT BOTH ENDS OF THE RUN. THE GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-122 OF THE N.E.C. CONTRACTOR SHALL SIZE CONDUIT TO ACCOMMODATE ADDITIONAL CONDUCTOR.
- 17. LOAD DATA IS BASED ON INFORMATION GIVEN TO THE ENGINEER AT THE TIME OF DESIGN. VERIFY ALL EQUIPMENT NAMEPLATE RATINGS BEFORE ORDERING
- 18. CIRCUITS SHOWN ON PLANS ARE TO DETERMINE LOAD DATA AND PANEL SIZES. THE CONTRACTOR IS TO PROVIDE CIRCUITS AND ROUTING OF CONDUITS TO SUIT JOB CONDITIONS.
- 19. FURNISH AND INSTALL DISCONNECT SWITCHES, WIRING, AND CONNECTIONS ON AIR CONDITIONING SYSTEM AS SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING FROM C.U.TO A.H.U. ,TERMINATION SHALL BE PERFORMED BY MECHANICAL
- 20. ALL SWITCHGEAR, PANELS, STARTERS, CONTACTORS ETC., SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER, THE SYSTEM DESIGN IS BASED ON SQUARE "D"; HOWEVER, COMPARABLE EQUIPMENT BY G.E. & SIEMENS ONLY WILL BE ACCEPTABLE. TANDEM AND HALF—SPACE CIRCUIT BREAKERS SHALL NOT BE USED.
- 21. PROVIDE IDENTIFICATION FOR ALL PANELS, CABINETS, ENCLOSURES, DISCONNECTS & TRANSFORMERS USING ENGRAVED NAMEPLATES, WHITE LETTERING ON A BLACK BACKGROUND. NAMEPLATES SHALL IDENTIFY PANEL DESIGNATION (NAME,) VOLTAGE, PHASE & WIRE CONFIGURATION. PROVIDE TYPEWRITTEN DIRECTORIES UNDER PLASTIC COVER FOR ALL PANEL BRANCH CIRCUITS, CLEARLY INDICATING AREA AND TYPE OF LOAD SERVED BY EACH BRANCH CKT PROTECTIVE DEVICE, INCLUDING SPARES. HAND PRINTED WILL NOT BE ACCEPTED.
- 22. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS:

•	CONDUCTORS SHALL	BE COLOR CODED AS FOLLOW	3.
	208V SYSTEM PHASE SEQUENCE	240V (HIGH LEG) SYSTEM	480V SYSTEM
	NEUTRAL — WHITE ABC, TOP TO BOTTOM PHASE A — BROWN	NEUTRAL — WHITE PHASE A — BLACK LEFT TO RIGHT.	NEUTRAL — WHITE PHASE A — BLACK
	PHASE B - RED	PHASE B - ORANGE	PHASE B - PURPLE
	FRONT TO BACK PHASE C - BLUE	PHASE C - BLUE	PHASE C - YELLOW

- GRD.CON GREEN GRD.CON GREEN GRD.CON GREEN

  23. CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL CONDUIT PENETRATIONS MADE THROUGH FIRE RATED WALLS, CEILINGS, SLABS, ETC. PENETRATION SEALS SHALL BE PER U.L. ASSEMBLY.
- 24. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF CONTRACT DRAWINGS AT JOB SITE WITH COLORED MARKINGS INDICATING PROGRESS OF WORK. THIS SET OF CONTRACT DRAWINGS IS TO BE SEPARATE FROM AND IN ADDITION TO CONTRACTOR'S CONSTRUCTION SET. EVERY UNIT OF EQUIPMENT, DEVICE, CONDUIT AND WIRE IS TO MARKED WHEN INSTALLED. USE <u>GREEN</u> TO INDICATE INSTALLATION AS SHOWN ON DRAWINGS AND USE <u>RED</u> TO INDICATE FIELD CHANGES. UPON COMPLETION OF WORK, THIS SET OF CONTRACT DRAWINGS IS TO BE TURNED OVER TO, AND BECOME PROPERTY OF THE ELECTRICAL ENGINEER.
- 25. IF ELECTRICAL CONTRACTOR HAS QUESTIONS, OR IN THEIR OPINION FINDS OMISSIONS OR ERRORS ON ELECTRICAL DOCUMENTS, IT IS THEIR RESPONSIBILITY TO BRING THIS TO THE ATTENTION OF THE ELECTRICAL ENGINEER IMMEDIATELY. IF ELECTRICAL CONTRACTOR PROCEEDS WITH ANY CHANGES TO THE CONTRACT DOCUMENTS, WITHOUT WRITTEN PRIOR APPROVAL FROM THE ELECTRICAL ENGINEER, CONTRACTOR WILL NOT BE COMPENSATED.

## LEGEND NOTES

- 1. NOT ALL SYMBOLS MAY APPEAR ON PLANS.
- 2. IF THERE IS NO DESIGNATION NEXT TO FIXTURE, THEN ASSUME IT IS A NEW FIXTURE.
- ALL FLUORESCENT LIGHT FIXTURES THAT UTILITE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE SHALL BE EQUIPPED WITH DISCONNECTING MEANS AS PER NEC-201 110.1 10.5 110.1
- 4. ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE SELF DIAGNOSTICS TYPE
- 5. LIGHTING FIXTURE SCHEDULE IS SHOWN FOR REFERENCES ON ELECTRIC CHARACTERISTICS ONLY.
- 6. CONTRACTOR TO ENSURE THAT MOUNTING DEVICES AND ACCESSORIES ARE CORRECT FOR CEILING AND WALL IN WHICH THE FIXTURES ARE TO BE INSTALLED.
- 7. REFER TO INTERIOR DESIGN / ARCHITECTURAL PLANS FOR EXACT LOCATION OF LIGHT FIXTURES.
- 8. ALL LIGHT FIXTURES SHALL BE REVIEWED AND APPROVED BY ARCHITECT / OWNER PRIOR TO FORWARDING TO ENGINEER FOR REVIEW OR PRIOR TO BID.

# 9. LIGHT FIXTURE SHALL BE MADE TO THE REQUIRED LENGTHS BY THE MANUFACTURER — NO FIELD CUTTING SHALL BE ALLOWED

#### DESIGNATION / DESCRIPTION UND UNLESS NOTED DIFFERENTLY N/L NIGHT LIGHT AFCI ARC FAULT CIRCUIT INTERRUPT T/S TIME SWITCH GFCI GROUND FAULT CIRCUIT INTERRUPT PC PHOTO CELL WP WEATHER PROOF ENCLOSURE LC LIGHTING CONTACTOR IG ISOLATED GROUND MWC MINIMUM WORK CLEARANCE NEW FIXTURE OCP OVER CURRENT PROTECTION RELOCATED FIXTURE OC ON CENTER INDICATES AN EXISTING FIXTURE TO REMAIN PL PARTY LIGHT OUTLET SW SHOW WINDOW (OUTLET) T/L TWIST LOCK

## GFCI PROTECTION NOTES:

 ALL 120V, 15 AND 20 AMPS KITCHEN APPLIANCE AND CONVENIENCE RECEPTACLES IN THE KITCHEN AREA, SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER AS PER NEC 2014 210.8(B)(2)

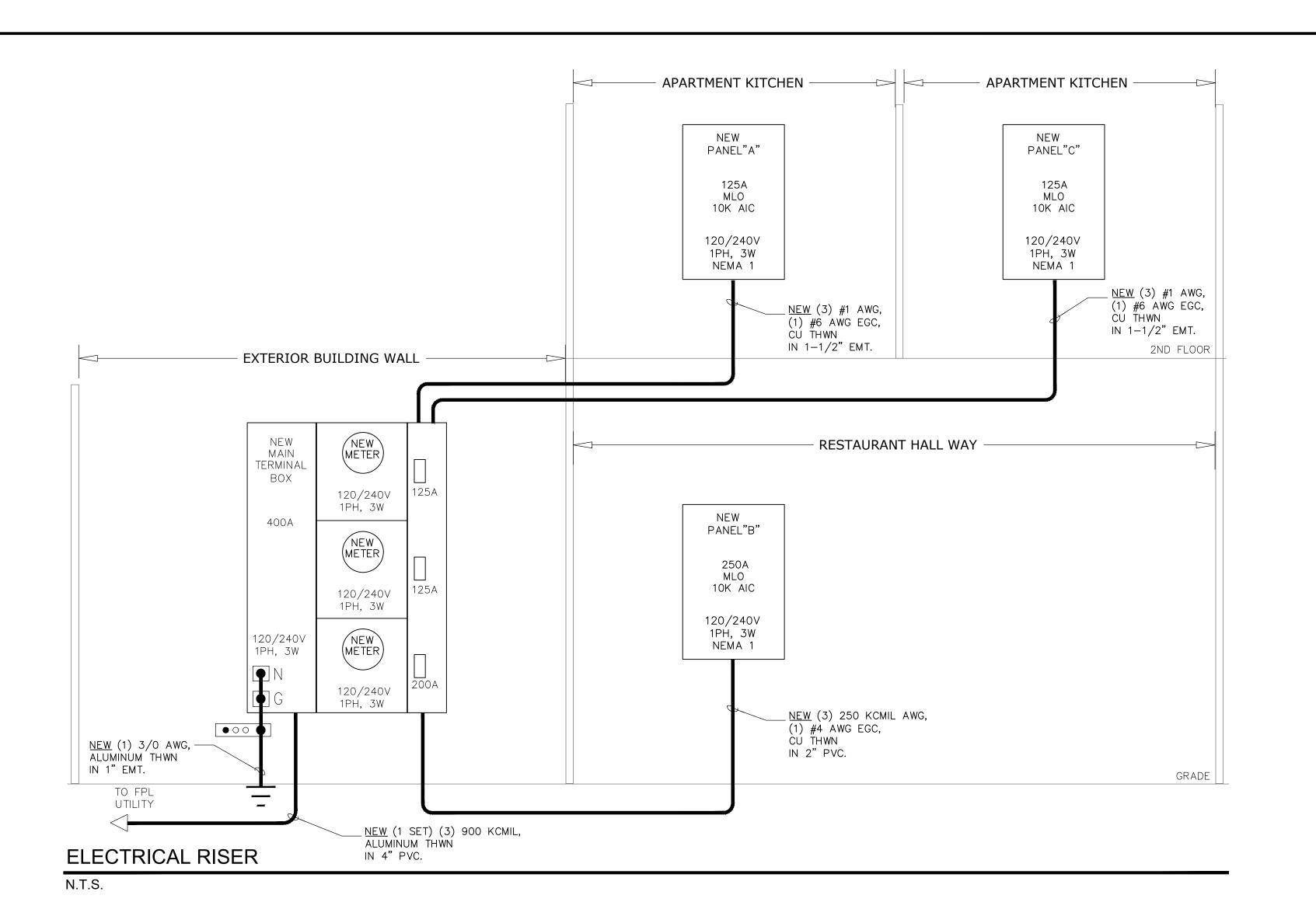
- ALL OUTLETS LOCATED WITHIN 6FT OF THE OUTSIDE EDGE OF A SINK SHALL BE GFCI PROTECTED AS PER NEC 2011 210.8(B)5 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL RECEPTACLES AND PROVIDE GFCI PROTECTION AS REQUIRED ABOVE.

#### NOTE TO CONTRACTOR:

1. COORDINATE EXACT LOCATION OF ALL RECEPTACLES WITH ARCHITECT/SPECIALITY CONSULTANTS/PRIOR TO ROUGH IN.

SYMBOI	DESCRIPTION
<b>\$</b> 3	120V, 20A, THREE WAY SWITCH
\$⊤	7 DAY PROGRAMS SWITCH
\$os	120V, 20A, OCCUPANCY SENSOR SWITCH
#	GROUND FAULT INTERRUPTER QUADRAPLEX RECEPTACLE 120V, 20A.
<del> </del>	120V, 20A QUADRAPLEX RECEPTACLE
Ф	DUPLEX RECEPT. (20A, +18"O.C. FROM A.F.F, U.N.D)
#	GFCI RECEPT. (20A, +18"O.C. FROM A.F.F, U.N.D)
<b>(</b>	JUNCTION BOX (4X4" GALVANIZED STEEL, 18",U.N.D)
<b>▼</b> ▽	DATA/TELEPHONE OUTLET (+18"O.C. A.F.F, U.N.D) HATCH AREA INDICATES PHONE PROVIDE 3/4"EMT 6" ABOVE CEILING W/ PULL STRING FOR EACH FUNCTION. FACE PLATES, JACKS AND CABLING TO BE BY TENANT
	EXIT LIGHT FIXTURE WITH BATTERY PACK
4	EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
	COMBO EXIT LIGHT/EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
<u> </u>	HP RATED DISCONNECT (+60"O.C. A.F.F, U.N.D) NEMA 3R FOR EXTERIOR AND NEMA 1 FOR INTERIOR.
	PANELBOARD (+60" A.F.F O.C OF PNL, U.N.D)
RP	RECEPTACLE PACK FOR OCCUPANCY SENSORS (PLENUM RATED LUTRON POW PAK
LRP	LIGHTING RELAY PANEL SEE SCHEDULE FOR DETAILS  CLP  CURRENT LIMITER PANEL SEE SCHEDULE FOR DETAIL

NUMBER OF POLES



bach design engineers

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CHITECT INC

DAVID R.A.

TED PROFESSIONAL

: J.C. GUERRERO

S Planning Construction

Construction

Construction

Planning Construction

Constr

Revisions

Drawn by:

Job No.:

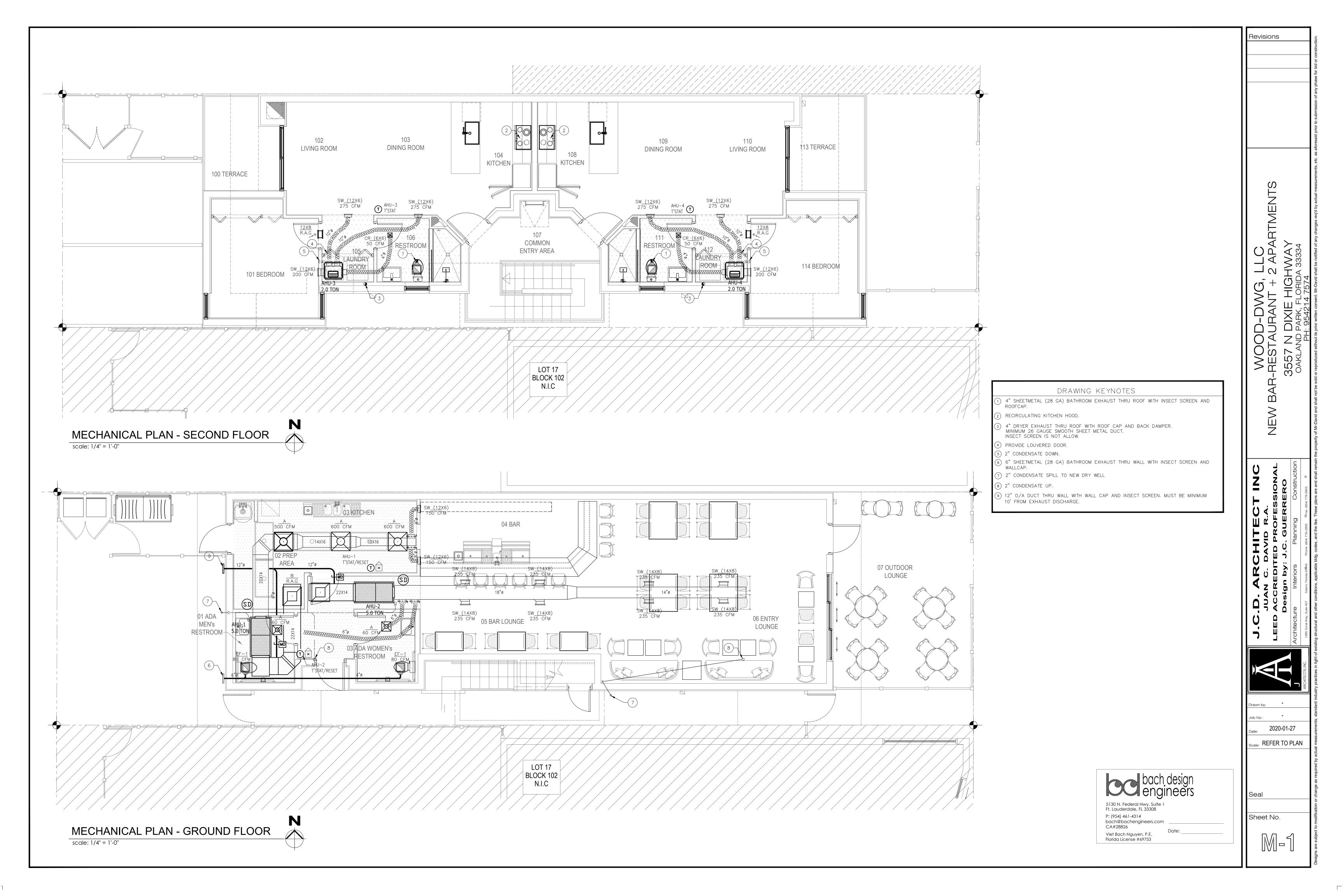
Date:

2020-01-27

Scale: REFER TO PLAN

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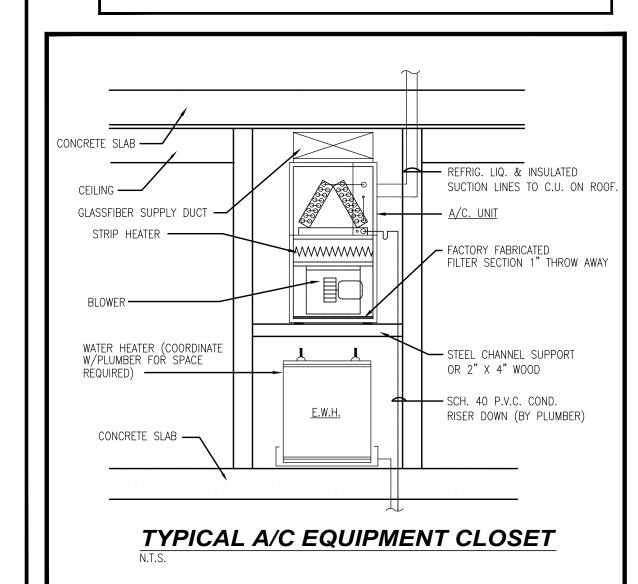


# HVAC GENERAL NOTES

- 1. GENERAL
- A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA
- BUILDING CODE AND WITH ALL APPLICABLE REGULATIONS. DRAWINGS: REFER TO ALL DRAWINGS FOR COORDINATION OF THE HVAC WORK. ARRANGE AND PAY FOR ALL PERMITS LICENSES, INSPECTIONS AND TESTS.
- OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER. D. GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND LABOR. ALL COMPRESSORS SHALL BE GUARANTEED FOR 5 YEARS MINIMUM.
- SHOP DRAWINGS: CONTRACTORS SHALL SUBMIT FOR APPROVAL, WITHIN 30 DAYS AFTER SIGNING CONTRACT. A MINIMUM OF FIVE COPIES OF FULLY DESCRIPTIVE LITERATURE, INCLUDING BUT NOT LIMITED TO: AIR CONDITIONING UNITS, FANS AND AIR OUTLETS. NO WORK SHALL PROCEED WITHOUT APPROVAL OF THESE SUBMITTALS.
- 3. DESIGN PARAMETERS:
- A. INDOOR DESIGN TEMPERATURE (SUMMER): 78F DB B. INDOOR DESIGN TEMPERATURE (WINTER): 72F DB
- ALL THERMOSTATS SHALL HAVE HEATING MODE MAXIMUM SETTING OF 75 F, AND COOLING MODE MINIMUM SETTING OF 70 F. THE THERMOSTAT SHALL BE ARRANGED TO PREVENT THE SIMULTANEOUS OPERATION OF HEATING AND COOLING.
- 5. ELECTRICAL CONTROLS AND POWER WIRING: UNDER ELECTRICAL CONTRACT.
- EQUIPMENT SPECIFIED BY MANUFACTURER'S NUMBER SHALL INCLUDE ALL ACCESSORIES, CONTROLS, ETC., LISTED IN THE CATALOG AS STANDARD WITH THE EQUIPMENT. OPTIONAL OR ADDITIONAL ACCESSORIES SHALL BE FURNISHED AS
- A. REFRIGERANT PIPING: SHALL BE TYPE L SOFT DRAWN, COPPER TUBING, DEHYDRATED FOR REFRIGERANT USE. SIZED AS SHOWN ON DRAWINGS OR AS PER AIR CONDITIONING EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- B. INSULATION: REFRIGERANT SUCTION PIPING AND CONDENSATE PIPES SHALL BE INSULATED WITH 3/4" THICK FOAMED PLASTIC INSULATION, FIRE RETARDANT TYPE. INSULATION SHALL BE INSTALLED IN PIPING BEFORE ASSEMBLY. NO SPLIT INSULATION WILL BE ACCEPTABLE. SEAL JOINTS WITH MANUFACTURER'S APPROVED ADHESIVE AND GREY TAPE.
- C. DUCTWORK:
- A. ALL SUPPLY AIR DUCTWORK SHALL BE 1-1/2" THICK FIBERGLASS DUCTBOARD, FABRICATED AND INSTALLED AS PER LATEST EDITION OF SMACNA "FIBROUS GLASS DUCT MANUAL". R-6.0 MIN.
- B. ALL OUTDOOR AND EXHAUST AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL OR ALUMINUM DUCT NOT LIGHTER THAN 24 GAGE. C. ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS.
- D. FLEXIBLE INSULATED DUCTWORK WITH 1-1/2" THICK FIBERGLASS INSULATION WITH FRK VAPOR BARRIER. R-6.0 MIN.
- 8. CONTROLS: AIR CONDITIONING UNITS SHALL BE STARTED AND STOPPED THRU INDIVIDUAL PROGRAMMABLE THERMOSTAT. INDIVIDUAL THERMOSTATS SHALL START/STOP FANS AND ACTIVATE COOLING/HEATING SYSTEMS AS SELECTED.
- TEST AND BALANCE: CONTRACTOR SHALL TEST AND BALANCE ALL VENTILATION AND AIR CONDITIONING SYSTEMS. SUBMIT FOUR COPIES OF TEST AND BALANCE REPORT, TO OWNER FOR APPROVAL.
- 10. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS OF CONSTRUCTION. CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONÁL COST TO OWNER.

# AIR DISTRIBUTION SCHEDULE

TAG	MANUFACTURER & MODEL NO.	NECK SIZE	CFM	NOTES:			
A	TITUS TDC-AA	6 8 10 12	0-100 101-299 300-450 451-600	ALUMINUM CEILING DIFFUSER LOUVERED FACE OPPOSED BLADE DAMPER 12x12 MODULE BORDER TYPE 1 (SURFACE) NC LEVEL < 30			
В	TITUS 50F	24x24 6 8	0-800 0-100 101-299	ALUMINUM EGGCRATE RETURN GRILLE 1/2x1/2x1/2 CORE BORDER TYPE 1 (SURFACE) NC LEVEL < 30			
CR	TITUS 300/350	SEE PLAN	SEE PLAN	ALUMINUM CEILING DIFFUSER LOUVERED FACE OPPOSED BLADE DAMPER			
SW	TITUS 300/350	SEE PLAN	SEE PLAN	ALUMINUM SIDE DIFFUSER LOUVERED FACE OPPOSED BLADE DAMPER			
R.A.G	TITUS 300/350	SEE PLAN	SEE PLAN	ALUMINUM RETURN GRILLE LOUVERED FACE OPPOSED BLADE DAMPER			



# SPLIT SYSTEM SCHEDULE

		AIR	HANDI	_ING	UNI	Т						AIR CO	OLED	CONDEN	SING	UNI	Т							SYSTEN	1 DATA	<b>\</b>
MARK	MODEL	CFM		ESP	FAN	HEATER	₹	UNIT	MAX	WT	MARK	MODEL	WT	ELECTRICAL	COMP	RESSOR		FAN		UNIT	MAX	COOLIN CAPACI	IG TY	SEER	REF. L	INES
	NO.	TOTAL	OA		HP	KW	STEP	MCA	МОСР	LBS		NO.	LBS	VOLTS-PH-H□	QTY.	TONS	RLA	QTY	FLA	MCA	МОСР	TMBH	SMBH		SUCTION	LIQUID
AHU-1	TRANE TEM6A0C60	2000		.4	3/4	7.2	1	52	60	180	CU-1	TRANE 4TTR6061	275	240-1-60	1	5.0	23.7	1	2.8	32	50	58.0	41.3	16.0	1-1/8	3/8
AHU-2	TRANE TEM6A0C60	2000		.4	3/4	7.2	1	52	60	180	CU-1	TRANE 4TTR6061	275	240-1-60	1	5.0	23.7	1	2.8	32	50	58.0	41.3	16.0	1-1/8	3/8
AHU-3	TRANE TEM6A0B24	800		.4	1/3	3.6	1	25	25	125	CU-3	TRANE 4TTR6024	175	240-1-60	1	2.0	6.8	1	0.74	9	15	24.4	18.3	16.5	3/4	3/8
AHU-4	TRANE TEM6A0B24	800		.4	1/3	3.6	1	25	25	125	CU-4	TRANE 4TTR6024	175	240-1-60	1	2.0	6.8	1	0.74	9	15	24.4	18.3	16.5	3/4	3/8

APPROVED ADHESIVE AND GREY TAPE.

## **SPLIT SYSTEM NOTES:**

- OUTSIDE AIR DESIGN CONDITIONS: 91°FDB 79°FDB.
- PROVIDE A/C UNITS WITH PROGRAMMABLE HEATING AND COOLING THERMOSTAT WITH ON-OFF SWITCH SUB-BASE. (WIRED AND INSTALLED BY ELECTRICAL CONTRACTOR)
- 3. PROVIDE PROPER VIBRATION ISOLATORS AS PER ISOLATION MANUFACTURER'S RECOMMENDATIONS. PROVIDE FILTER RACK UNDER AHU. RETURN AIR THRU LOUVERED DOOR UNLESS OTHERWISE NOTED.

PROVIDE MIAMI TECH, INC. PRE-FRABRICATED

NUMBER ARE ACCEPTABLE.

ALUMINUM ROOF MOUNTED AC CONDENSING UNIT STAND. STAND SHALL HAVE NOA NO. 17-1218.02 OTHER MANUFACTURERS WITH APPROVED NOA

- INSTALL CHEMICAL DRYER AND STRAINER IN REFRIGERANT LIQUID LINES. 5. PROVIDE BUILT-IN DISCONNECT WITH ALL AIR HANDLING UNITS.
- A. REFRIGERANT PIPING: SHALL BE TYPE L SOFT DRAWN, COPPER TUBING, DEHYDRATED FOR REFRIGERANT USE. SIZED AS SHOWN ON DRAWINGS OR AS

INSULATION SHALL BE INSTALLED IN PIPING BEFORE ASSEMBLY. NO SPLIT

INSULATION WILL BE ACCEPTABLE. SEAL JOINTS WITH MANUFACTURER'S

PER AIR CONDITIONING EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. B. INSULATION: REFRIGERANT SUCTION PIPING AND CONDENSATE PIPES SHALL BE INSULATED WITH 3/4" THICK FOAMED PLASTIC INSULATION, FIRE RETARDANT TYPE.

CU-3	TRANE 4TTR6024	175	240-1-60	1	2.0	6.8	1	0.74	9	15	24.4	18.3	16.5	3/4	
CU-4	TRANE 4TTR6024	175	240-1-60	1	2.0	6.8	1	0.74	9	15	24.4	18.3	16.5	3/4	
MATERIALS:															

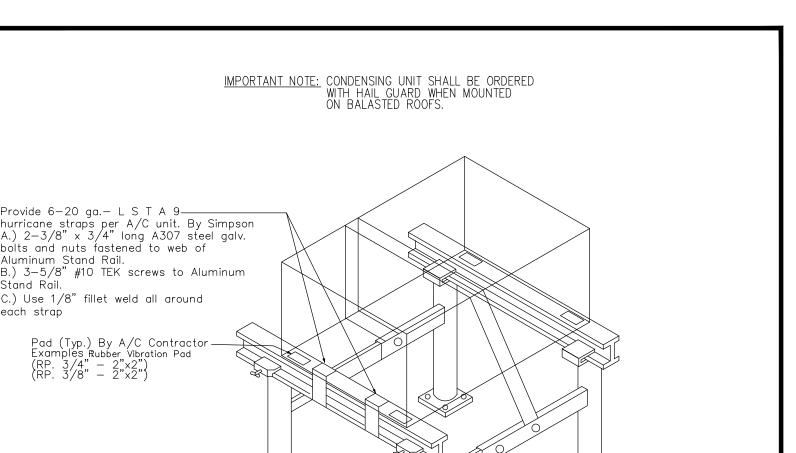
GR/NET PERS/ TOTAL CFM/ CFM/ CFM CFM SQ FT 1000 SF PERS PERS SQ FT REQ'D PROVIDED <u>SYSTEM</u> AHU-1155 100 2\* 7.5 0.18 43 50 635 70 46\* 7.5 0.18 460 465 DINING ADJUST OUTSIDE AIR TO VALUE AS SHOWN

OUTSIDE AIR SUMMARY (ASHRAE 62.1-2010 TABLE 6-1)

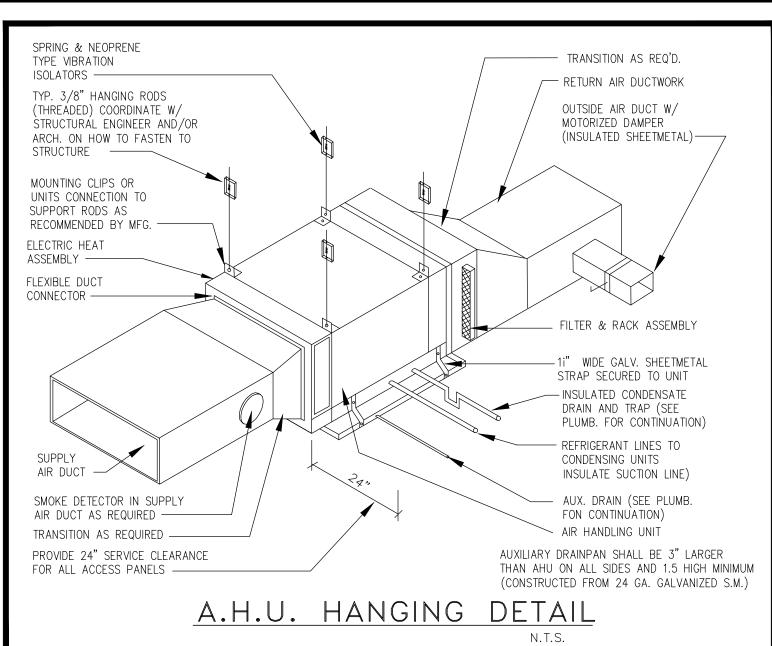
FAN SCHEDULE										
MARK	SELECTION BASED ON		TYPE/	CFM	MOTOR DATA			DRIVE	SONES	UNIT
	MAKE	MODEL NO.	SERVICE		WATTS	AMP	VOLTS		OR NC	WEIGHT
EF-1	BROAN	A80	BATHROOM/ JANITOR CLOSET	80	43	0.37	120	DRIVE	0.3	12.1

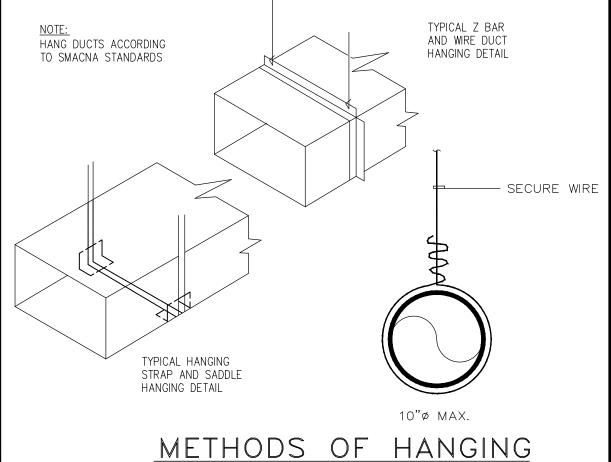
## GENERAL FAN NOTES:

- PROVIDE MOTOR STARTERS, DISDONNECTS AND ALL ASSOCIATED CONTROLS
- PROVIDE BACKDRAFT FOR ALL EXHAUST FANS
- FIELD ADJUST OPENINGS WITH STRUCTURE. PROVIDE BIRDSCREEN ON ALL INLETS AND OUTLETS.
- SWITCH WITH LIGHTS

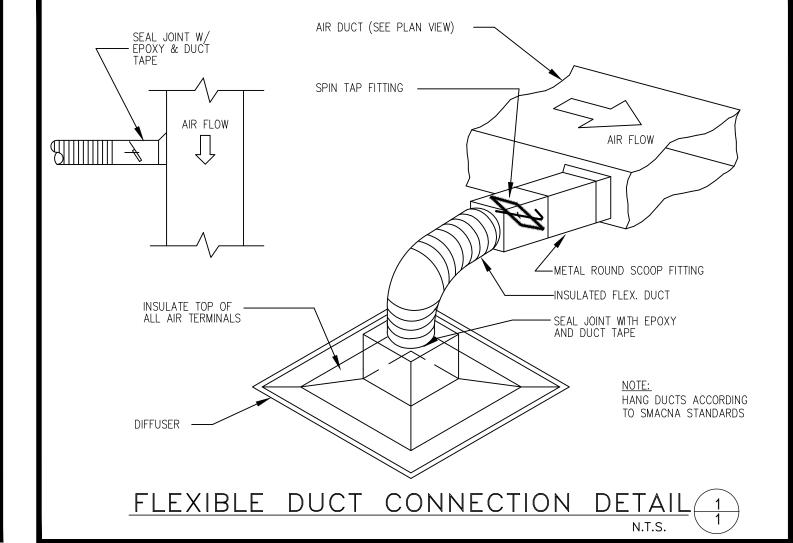


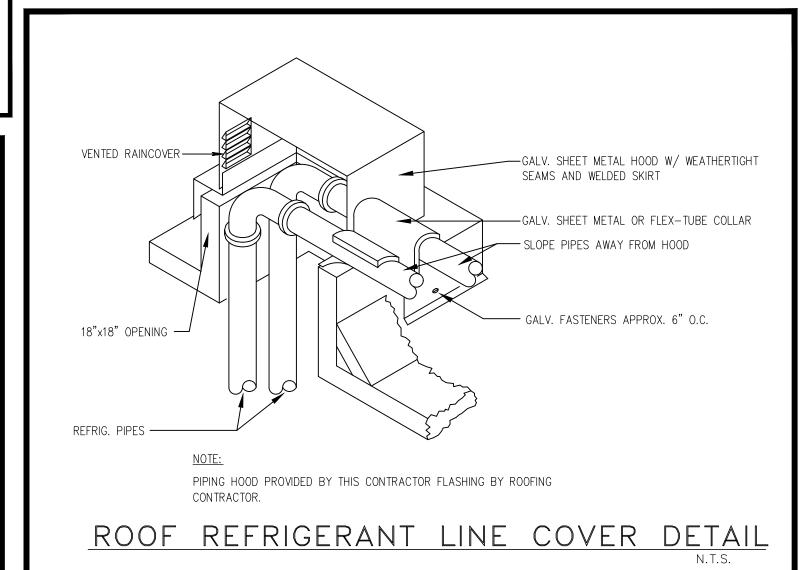
CONDENSING UNIT MOUNTING DETAIL

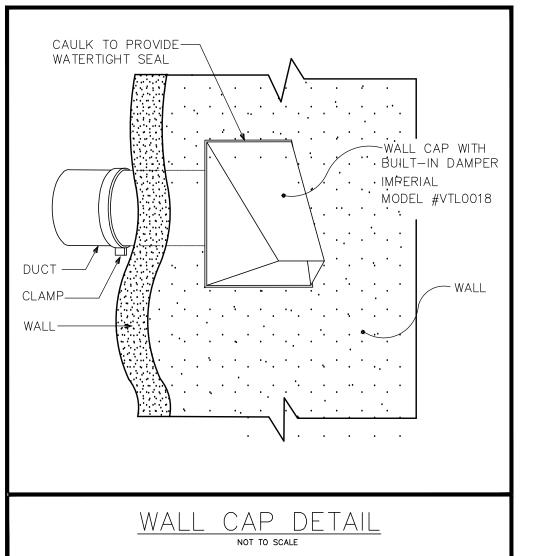


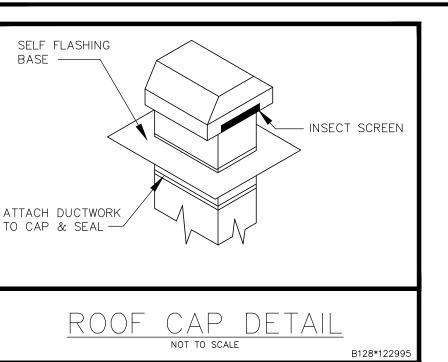


DUCTS DETAIL











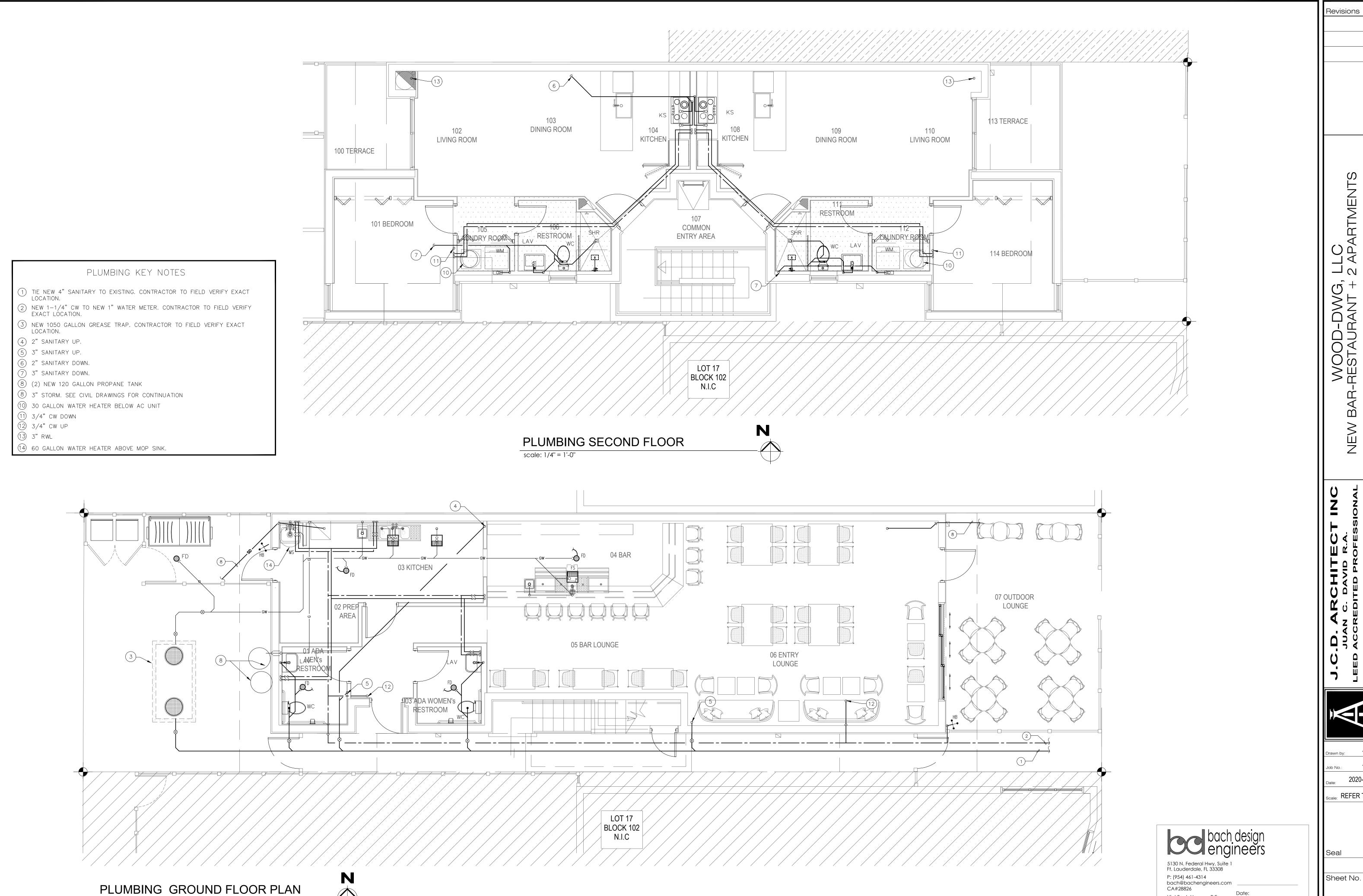
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Revisions

2020-01-27 Scale: REFER TO PLAN

Seal

Sheet No.



scale: 1/4" = 1'-0"

2020-01-27 Scale: REFER TO PLAN

Sheet No.

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## GENERAL PLUMBING NOTES:

- 1. A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FBC
  (PLUMBING 2017 6TH ED.) AND WITH ALL APPLICABLE REGULATIONS.
  B. DRAWINGS: REFER TO ALL DRAWINGS FOR COORDINATION OF THE
- PLUMBING WORK.

  C. ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT
- TO OWNER.

  D. GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND
- E. ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT 1/8 INCH PER FOOT MINIMUM FOR 3" AND LARGER AND AT 1/4" SLOPE FOR 2" PIPES AND SMALLER.
- 2. ADD PANS UNDER EXPOSED SOIL OR WASTE PIPING AND CONDENSATION PIPES ABOVE FOOD OR DRINK PREPARATION OR STORAGE AREAS
- 3. PLUMBING FIXTURES: FIXTURES SHALL BE AS SELECTED BY OWNER AND SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, SUPPLIES AND ANY OTHER ACCESSORY REQUIRED. FIXTURES AND FAUCETS SHALL COMPLY WITH THE FBC WATER SAVING STANDARDS.

## 4. MATERIALS:

- A. PIPING:
  A. STORM, SOIL, WASTE AND VENT: SANITARY PIPE, PVC, DWV,
- B. DOMESTIC WATER: COPPER PIPE, TYPE L WITH SWEAT WROUGHT CPVC FLOWGUARD IS ACCEPTABLE

  COPPER FITTINGS. TYPE "M" IN CONCEALED SPACES IS ACCEPTABLE ISOLATE PIPING FROM CONCRETE WITH INSULATING MATERIAL.
- C. DOMESTIC WATER SUPPLY ASSEMBLY: STAINLESS STEEL BRAIDED SUPPLY LINE WITH ANGLE SHUT OFF VALVES.
- D. INSULATION:
  INSULATE ALL HOT WATER AND HOT RETURN WITH 1"
  FIBERGLASS INSULATION.
  THE FIRST 8' OF PIPING IN NON HOT WATER SUPPLY SYSTEMS
  SHALL BE INSULATED WITH 1/2" MATERIAL HAVING A CONDUCTIVITY
  NOT EXCEEDING 0.27 BTU
- 5. ALL AUTOMATIC ELECTRIC WATER HEATERS SHALL MEET THE STANDARDS OF THE LATEST ENERGY EFFICIENCY CODE.
- 6. PIPING TEST AND DISINFECTIONS:
- A. TEST: ALL SANITARY AND DOMESTIC WATER SUPPLY PIPING SHALL
  BE TESTED FOR LEAKS BEFORE PIPING IS CONCEALED OR CONNECTED
  TO EQUIPMENT AND PLUMBING FIXTURES.
- B. DISINFECTION: ALL DOMESTIC WATER PIPING SHALL BE
  DISINFECTED BY INTRODUCING A SOLUTION OF CALCIUM
  HYPOCHLORITE OF 50 PARTS PER MILLION OF CHLORIDE AND AS
  PER AWWA STANDARDS.
- 7. HOSE BIBBS: SHALL BE 1/2 INCH. ROUGH BRASS CONSTRUCTION WITH SHUT OFF VALVE AND VACUUM BREAKER.
- 8. ALL OUTDOORS FLOOR CLEAN OUTS SHALL BE TERMINATED UP TO GRADE AND SHALL BE MARKED.
- 9. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY, AND DOMESTIC WATER PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.

PLUMBING	PLUMBING SYMBOL LEGEND							
SYMBOL	DESCRIPTION							
P- FCO VTR COOG HB	SANITARY LINE VENT LINE SAFEWASTE LINE CONDENSATE LINE GATE VALVE COLD WATER LINE HOT WATER LINE PLUMBING FIXTURE DESIGNATION FLUSH CLEAN OUT FLOOR PENETRATION AIR CHAMBER  WALL CLEANOUT VENT THRU ROOF CLEANOUT ON GRADE HOSE BIBB W/VB							

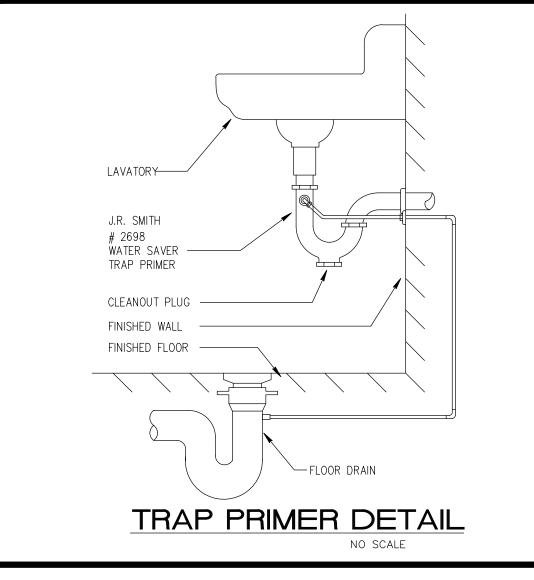
## PLUMBING FIXTURE SCHEDULE

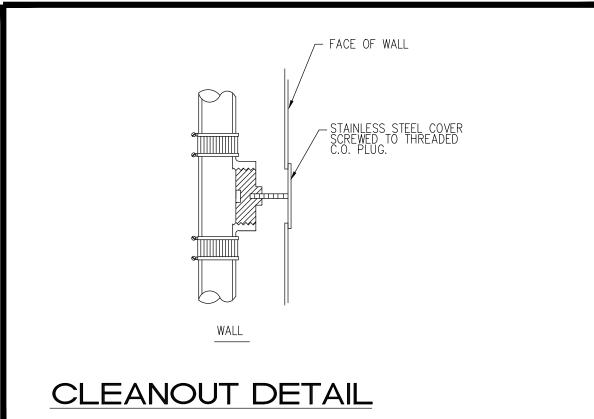
<u>NAME</u>	<u>FIXTURE</u>	MODEL #	<u>ACCESSORIES</u>
WC	HANDICAPPED WATER CLOSET (TANK)	AMERICAN STANDARD CADAT PRO PRESSURE ASSISTED FLUSH ELONGATED WATER SAVER (1.28 G.P.F.)	CHURCH OPEN FRONT SEAT, SUPPLY PIPE, MCGUIRE ANGLE STOP AND 2 BOLT CAPS.
LAV	WALL HUNG LAVATORY	LUCERNE #0355.012	ZURN #Z-7440 FAUCET 3/8" W # S-3440 DRAIN FAUCET 3/8" FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP.

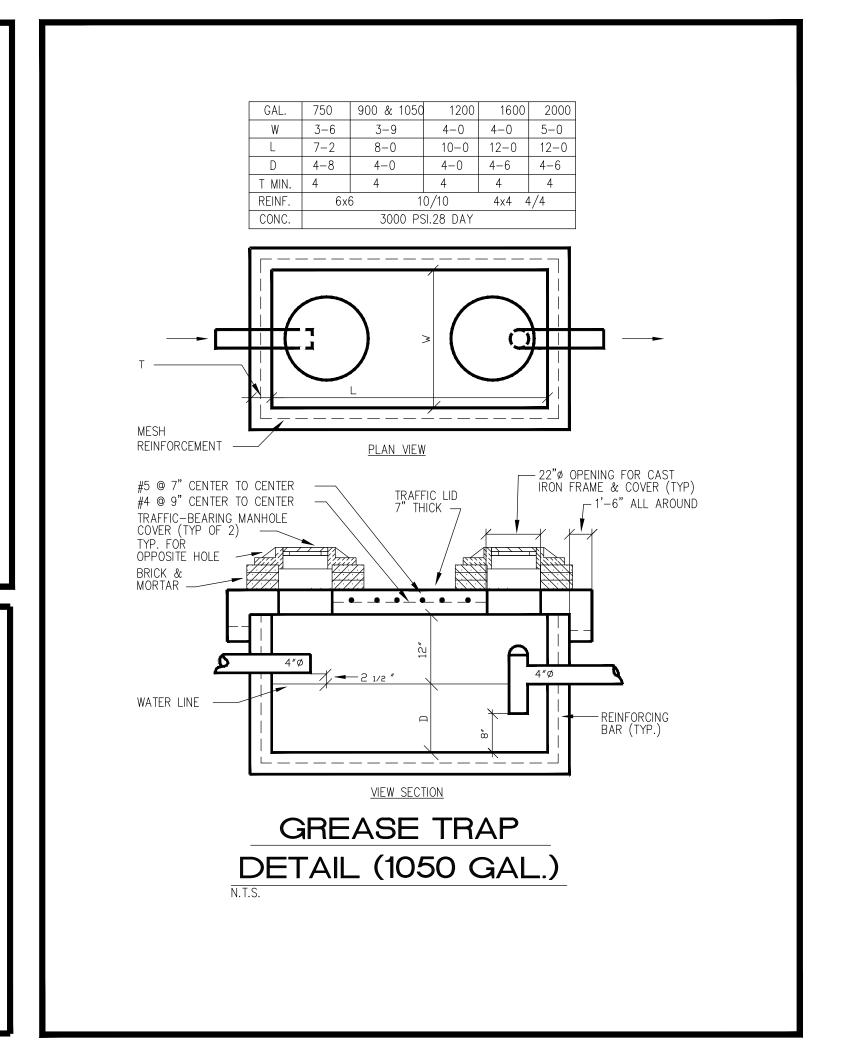
ALL LAVATORIES AND SINKS SHALL HAVE ANTI-SCALD MIXING THAT COMPLY WITH ASSE 1016.

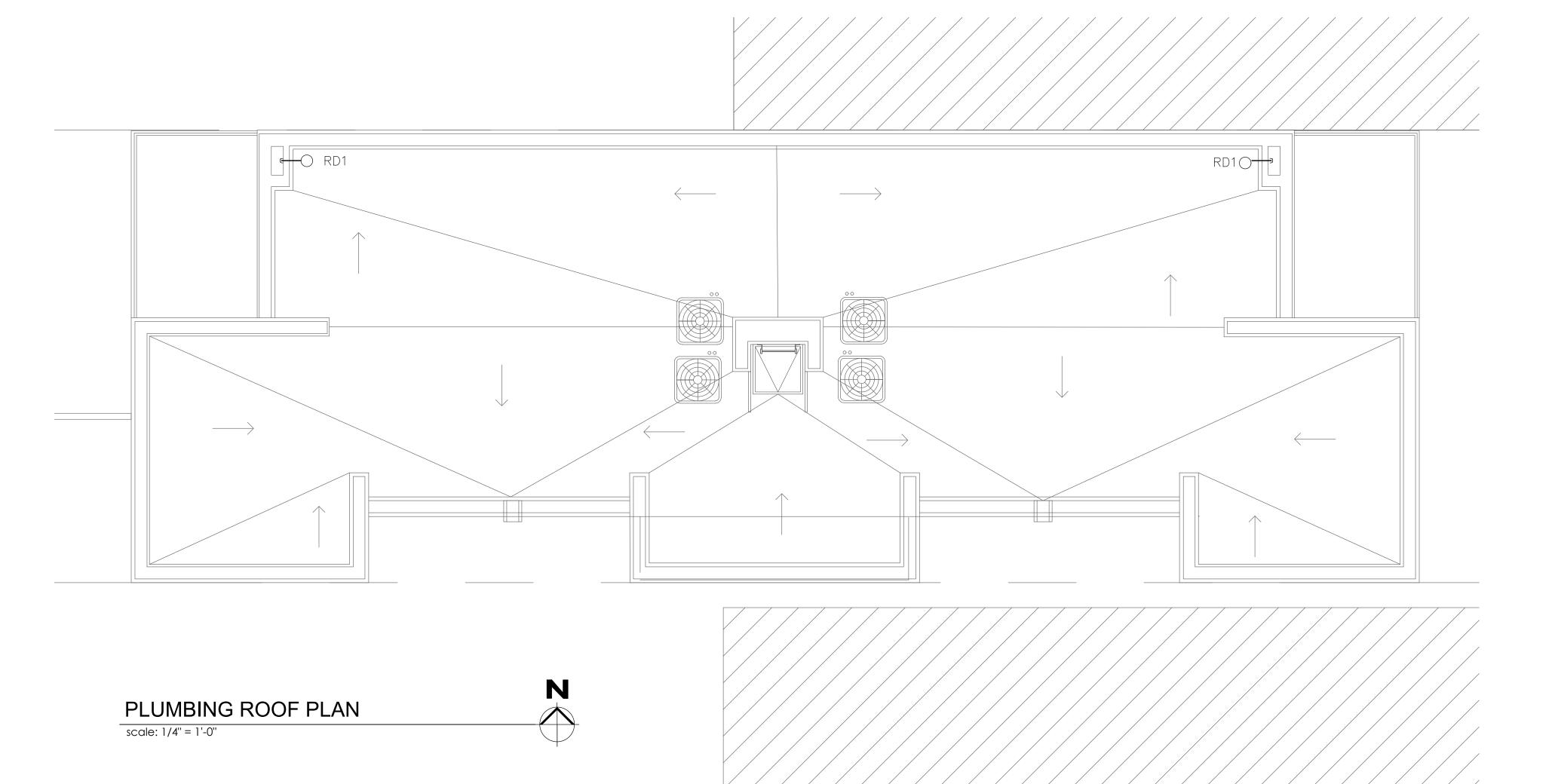
<u>FIXTURE</u>	WATER PIPE SIZE	NOMINAL SAN. SIZE	MAXIMUM FLOW RATES
WATER CLOSET (TANK)	1/2"	3"	1.28 GPF
LAVATORY	1/2"	1 1/4"	.5 GPM

\* ALL PLUMBING FIXTURES SHALL BE SELECTED BY AND INSTALL BY CONTRACTOR











CA#28826

Viet Bach Nguyen, P.E. Florida License #69753 WOOD-DWG, LLC
NEW BAR-RESTAURANT + 2 APARTMENTS
3557 N DIXIE HIGHWAY
OAKLAND PARK, FLORIDA 33334

Revisions

C.D. ARCHITECT II
JUAN C. DAVID R.A.
Design by: J.C. GUERRERG

APCHITECTS INC

Drawn by: 
Job No.: 
Date: 2020-01-27

2020-01-27

Scale: REFER TO PLAN

Seal

Sheet No.

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