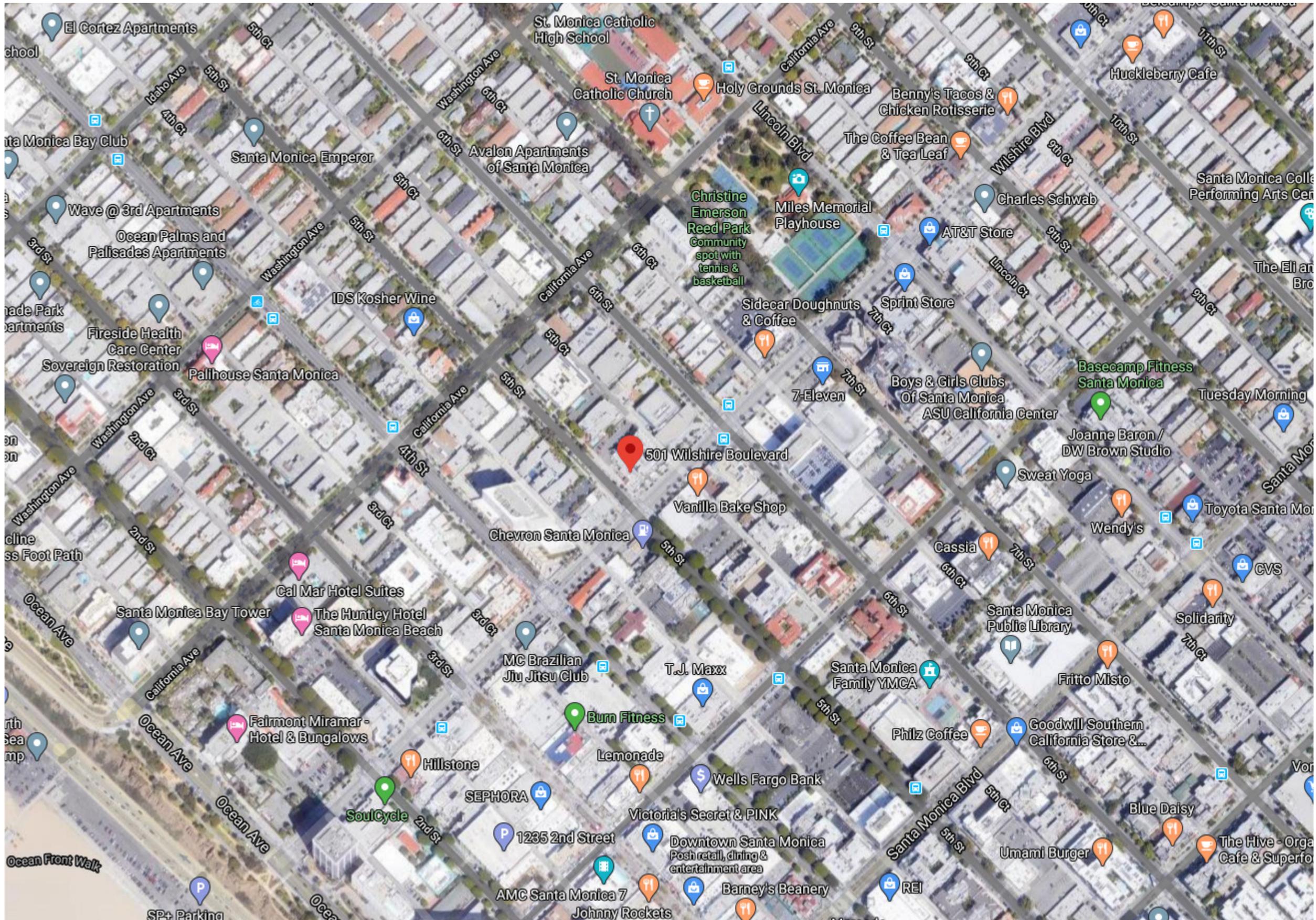




501 WILSHIRE BLVD., SANTA MONICA, CA  
BUILDING DESIGN SUBMITTAL  
MARCH 16, 2020







7007 DISCOVERY BLVD  
DUBLIN, OH 43017  
614.634.7000 T  
WDPARTNERS.COM

project no. | SSHCS0025

OWNER



225 VARICK STREET, SUITE 301  
NEW YORK, NY 10014

project info

SANTA MONICA  
501 WILSHIRE BLVD.  
SANTA MONICA, CA 90401

issue dates

submission:	Date
BD SET	05/09/2019
PERMIT SET	05/31/2019
IFC SET	05/31/2019

revisions:

designed by: B. FRIDENMAKER  
checked by: A. SCHALL

seal

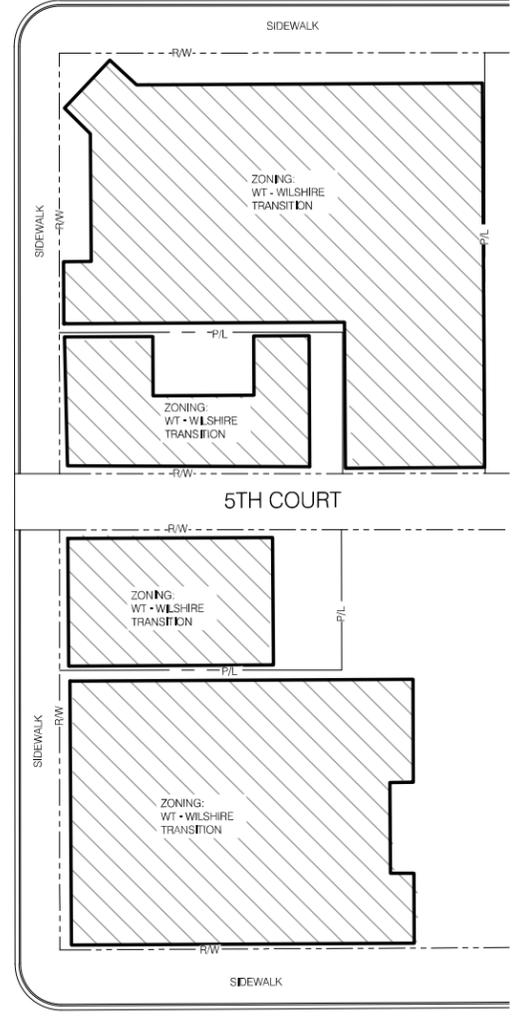
FOR REFERENCE ONLY  
3.16.2020

sheet info

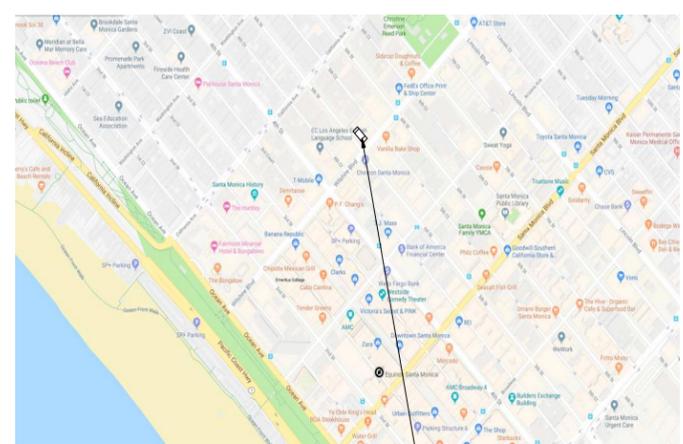
NEIGHBORHOOD FIGURE  
**EXHIBIT**

6TH STREET

6TH STREET



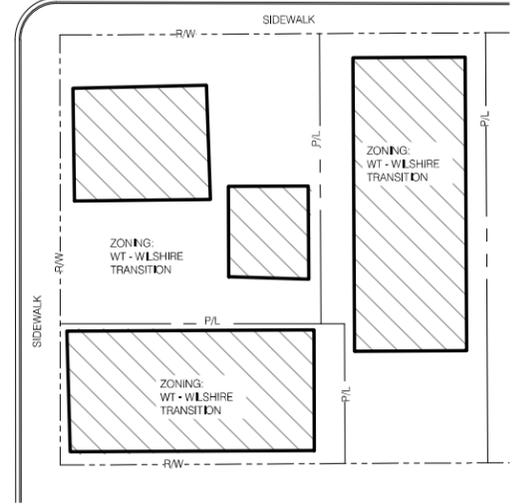
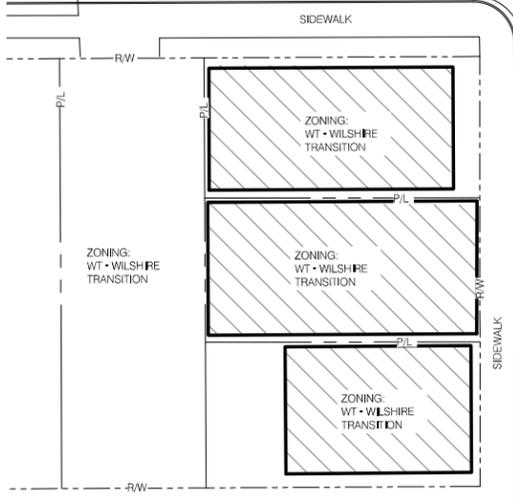
site vicinity map



legend

BUILDING	
PROPERTY LINE	- P/L - - - - -
RIGHT-OF-WAY BOUNDARY	- R/W - - - - -
CONSTRUCTION LIMITS	- - - - -

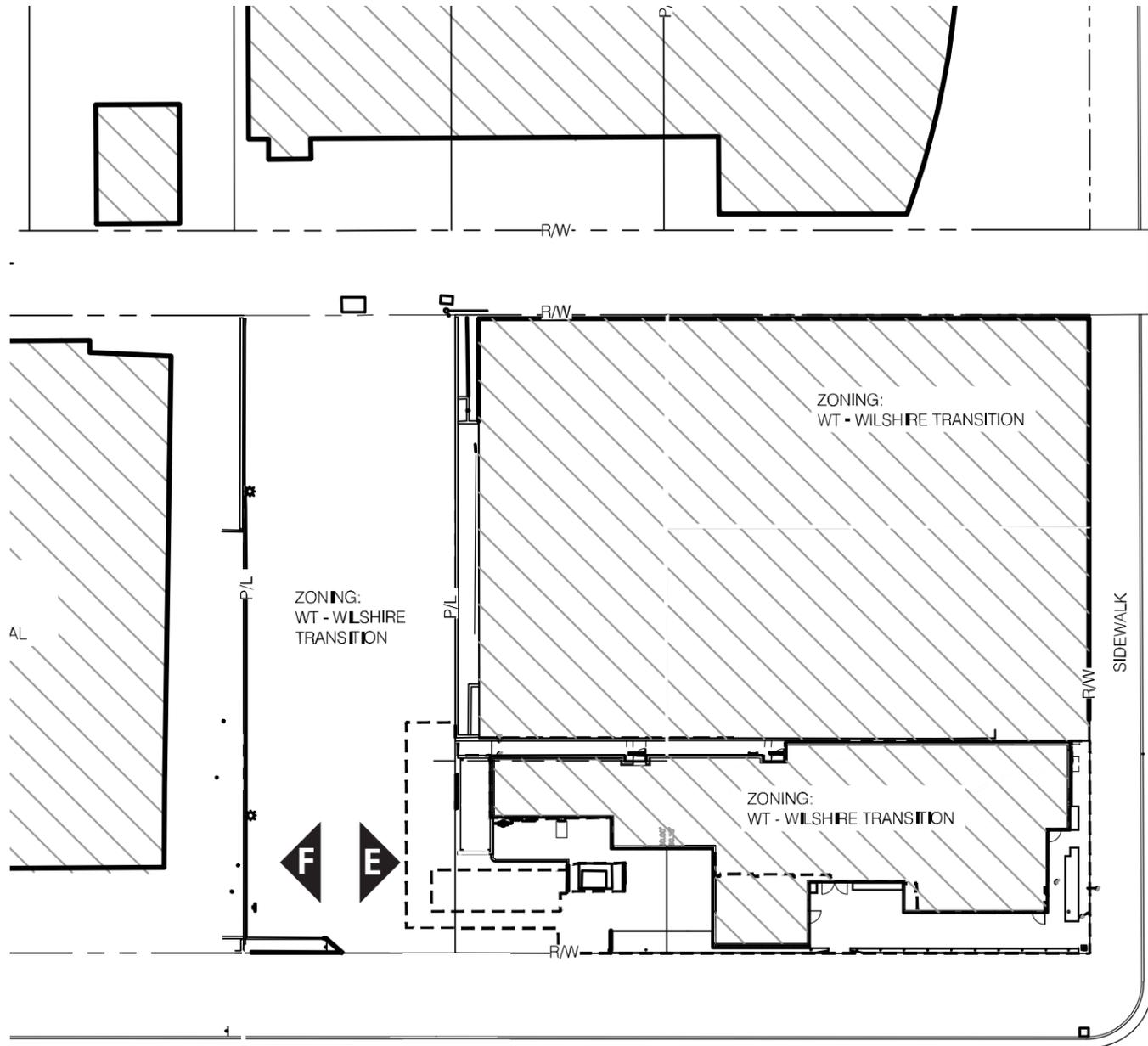
LIMITS OF PROPOSED CONSTRUCTION (TYP)



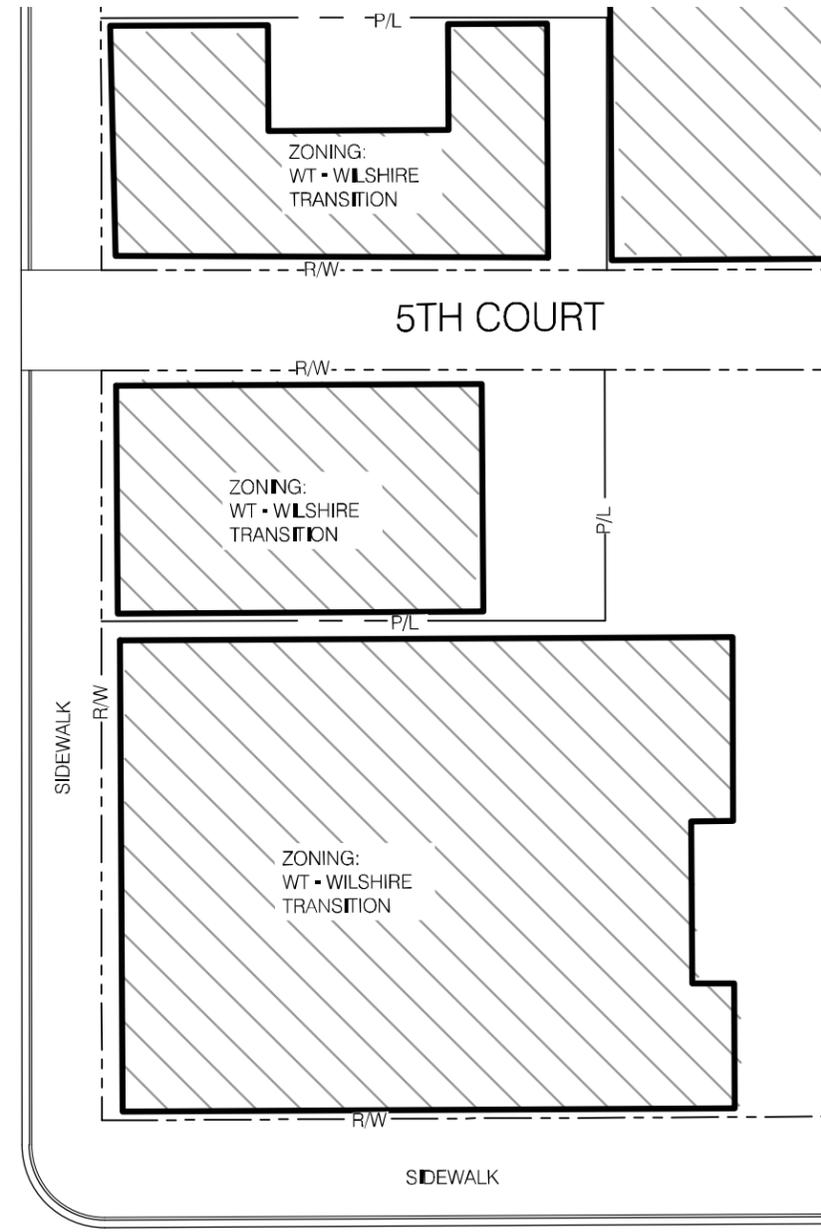
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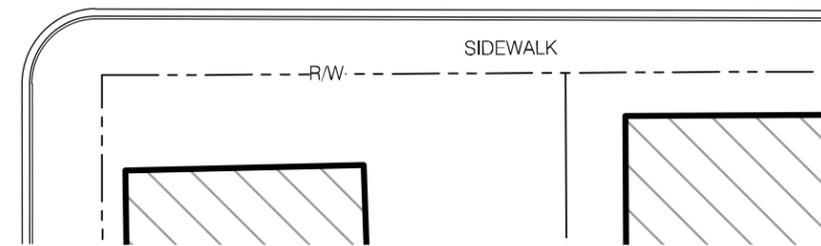
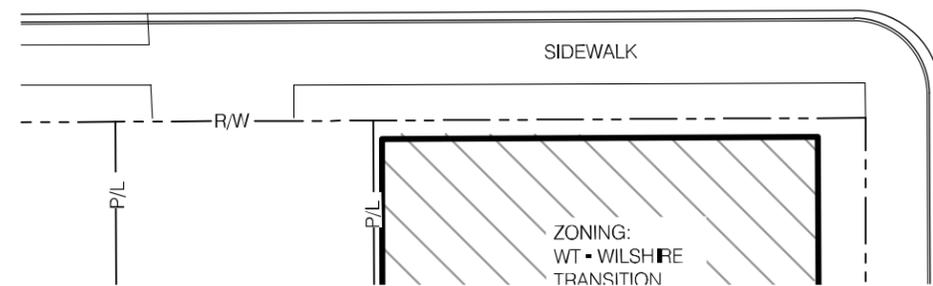
P:\3541\25\SSHC0025\2772\_SantaMonica\_CA\_SitePlan\NeighborhoodFigure.dwg (Baker) [1/20/2020 10:37 AM (vba320)]



WILSHIRE BOULEVARD



5TH STREET





A | VIEW OF 501-507 WILSHIRE BLVD. / NORTHWEST SIDE OF STREET



B | 5<sup>TH</sup> STREET VIEW OF 501 WILSHIRE / NORTHEAST SIDE OF STREET



C | 500-512 WILSHIRE BLVD. / SOUTHEAST SIDE OF STREET



D | 5TH STREET SIDE OF 431 WILSHIRE / SOUTHWEST SIDE OF STREET



E | VIEW OF 501 WILSHIRE AND ADJACENT / ALLEYWAY BETWEEN 5<sup>TH</sup> STREET AND 5<sup>TH</sup> COURT



F | VIEW ADJACENT PROPERTIES / ALLEYWAY BETWEEN 5<sup>TH</sup> STREET AND 5<sup>TH</sup> COURT



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SANTA MONICA, CA 90401

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BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	

revisions:

1	AHJ COMMENTS	12/06/2019
---	--------------	------------

designed by: B. FRIDENMAKER  
checked by: A. SCHALL

seal

sheet info

SITE IMPROVEMENT  
PLAN

C1.01

## keyed notes

- 1 CONCRETE SIDEWALK. SEE DETAIL C1.06
- 2 ASPHALT PAVING. SEE DETAIL C1.06
- 3 ASPHALT TRANSITION. SEE DETAIL C1.06
- 4 FORMED CONCRETE CURB. SEE DETAIL C1.06
- 5 TAPER LAST 2' OF 6" CONCRETE CURB FROM TYPICAL CURB DETAIL TO MEET AND MATCH CONFIGURATION AND ELEVATION OF EXISTING ADJOINING CURB OR PAVEMENT.
- 6 HEAVY DUTY CONCRETE PAVING WITH TURN DOWN EDGE. SEE DETAIL C1.06
- 7 FLARED CURB RAMP. SEE DETAIL C1.06
- 8 ALKYD-READY MIX PAVEMENT STRIPING PER CALTRANS SPECIFICATIONS.
- 9 SYMBOL OF ACCESSIBILITY. SEE DETAIL C1.06
- 10 LANDSCAPING OR LAWN AREA. SEE LANDSCAPE PLAN.
- 11 AREA TO MEET ADA AND LOCAL ACCESSIBILITY CODES AND REQUIREMENTS.
- 12 TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
- 13 PLANTER. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 14 BOLLARD (8 TOTAL). SEE DETAIL C1.06
- 15 RELOCATED WHEEL STOP.
- 16 RAMP AND HANDRAIL. SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR DETAILS.
- 17 STAIRS. SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR DETAILS.
- 18 ACCESSIBLE ROUTE FROM BUILDING TO PUBLIC RIGHT-OF-WAY AND ACCESSIBLE PARKING STALLS. CROSS SLOPE IS NOT TO EXCEED 2.00%. SEE GRADING PLAN FOR SPOT GRADE ELEVATIONS.
- 19 CONTRACTOR TO PROVIDE EXPANSION JOINT AT DOORS AND ALL LOCATIONS WHERE CONCRETE IS SHOWN ADJACENT TO THE BUILDING. SEE ARCHITECTURAL PLANS FOR JOINT DETAIL.
- 20 SIDEWALK WITHIN RIGHT OF WAY PER CITY OF SANTA MONICA DEPARTMENT OF PUBLIC WORKS STANDARDS.
- 21 TRUNCATED DOME PANEL, MINIMUM 3.0' DEEP ACROSS ENTIRE WIDTH OF ACCESSIBLE ROUTE. SEE DETAIL C1.06
- 22 LONG-TERM BICYCLE PARKING LOCKER PER CYCLESAFE PROPAK STANDARD MODEL, TWO DOORS, SINGLE-TIER, METALLIC SILVER, RAL 9006, T-HANDLE, KEYS, AND POWER STATION 2-PLUG GFI OUTLET FOR CHARGING ELECTRIC-ASSIST BIKES AND OTHER ACCESSORIES (2 LOCKERS TOTAL = 4 BIKES TOTAL). INSTALL PER MANUFACTURERS SPECIFICATIONS.
- 23 SHORT-TERM BICYCLE PARKING RACKS PER DERO MODEL: SWERVE, STANDARD, POWDER COAT P-4-A, SURFACE FOOT MOUNT TO SIDEWALK PER MANUFACTURERS SPECIFICATIONS.
- 24 5.5' x 6.5' TREE WELLS. CONTRACTOR TO CONTACT SANTA MONICA URBAN FORESTRY TO CONFIRM PLANTING LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
- 25 VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C1.06
- 26 CROSSWALK. ALKYD-READY MIX PAVEMENT STRIPING PER CALTRANS SPECIFICATIONS.
- 27 WEDGE COURSE. CONTRACTOR SHALL PROVIDE AND INSTALL TACK COAT (0.05 GAL/S.Y.) AND ASPHALT CONCRETE (CALTRANS 39) OVER EXISTING ASPHALT. SEE C1.02 FOR PROPOSED SPOT GRADES.

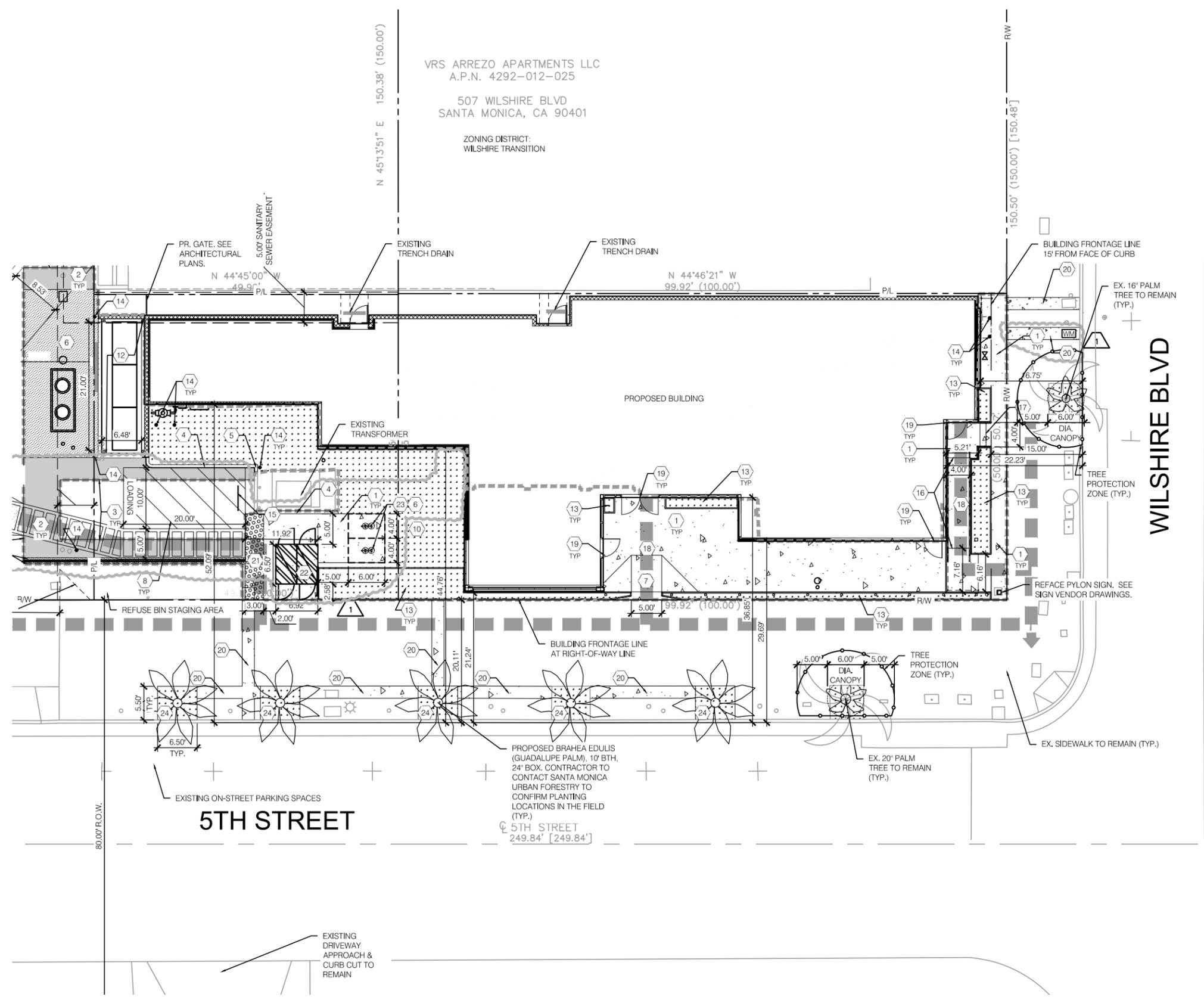
## legend

STANDARD DUTY ASPHALT PAVING. SEE DETAIL C1.06	
NATURAL GRAY CONCRETE SEE DETAIL C1.06	
LANDSCAPE. REFER TO LANDSCAPE PLAN. SEE SHEET C1.01	
HEAVY DUTY CONCRETE PAVING. SEE DETAIL C1.06	
WEDGE COURSE (OVER EX. ASPHALT PAVEMENT): (SEE KEYED NOTE #27)	
ADA ACCESSIBLE ROUTE: (SEE KEYED NOTE #18)	
LIMITS OF DISTURBANCE	
PROPERTY LINE	- P/L - - - - -
RIGHT-OF-WAY	- RW - - - - -



Know what's below.  
Call before you dig.

SCALE: N.T.S.



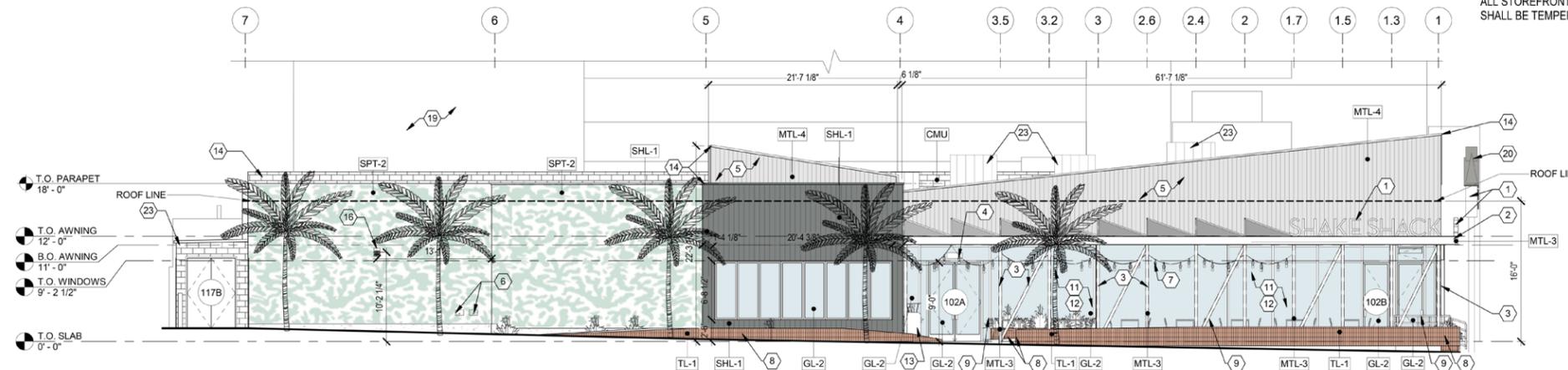
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**general notes**

- A. ALL TARGET ELEVATIONS ARE TAKEN IN RELATION TO PROJECT +0'-0".
- B. GC TO COORDINATE ALL EXTERIOR SECURITY CAMERA LOCATIONS WITH OWNER.
- C. GC TO COORDINATE ALL UTILITY CONNECTIONS AND METER LOCATIONS WITH MEP & CIVIL DRAWINGS. UTILITIES SHOWN ON ARCHITECT'S EXTERIOR ELEVATIONS ARE FOR REFERENCE ONLY.



ALL EXTERIOR SIGNAGE SHALL BE SUBMITTED UNDER A SEPARATE PERMIT BY SIGNAGE VENDOR.

ALL STOREFRONT GLASS PANELS SHALL BE TEMPERED.

**01 exterior elevation**  
SCALE | N.T.S.

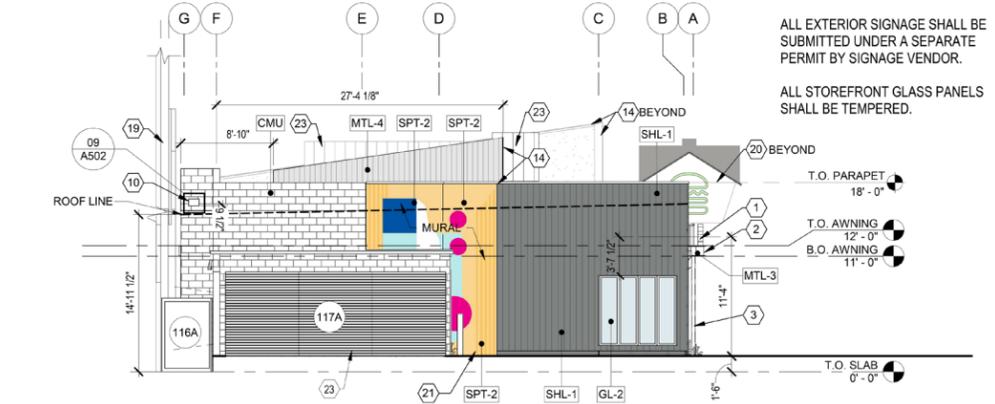
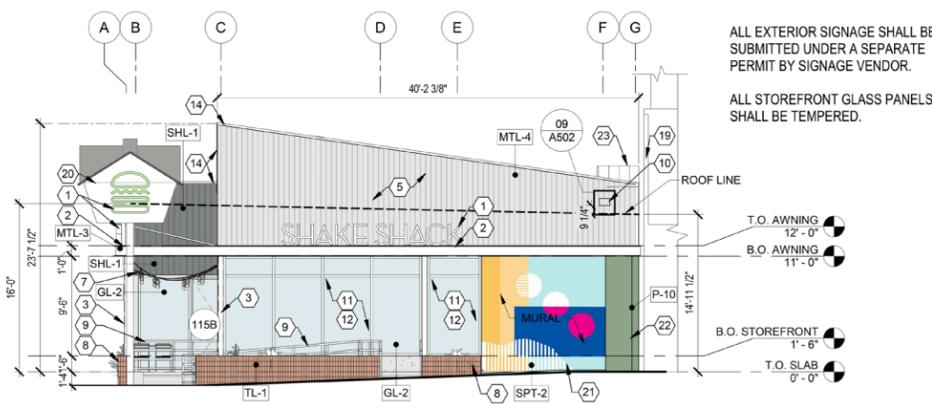
**keynotes**

- 1 SIGNAGE BY OWNER'S SIGNAGE CONTRACTOR. GC. TO PROVIDE POWER & BLOCKING AS REQUIRED. SIGNAGE WILL BE SUBMITTED UNDER SEPARATE PERMIT.
- 2 12" SIGN BAND PROVIDED BY G.C. REFER TO STRUCTURAL FOR BEAM DETAILS, TYP.
- 3 EXTERIOR COLUMNS BY G.C. REFER TO STRUCTURAL.
- 4 WHITE VINYL ADDRESS SIGN APPLIED TO THE INTERIOR FACE OF TRANSOM WINDOW. SIGNAGE BY OWNER'S SIGNAGE CONTRACTOR AND WILL BE SUBMITTED UNDER SEPARATE PERMIT.
- 5 SEAM LOCATIONS FOR CORRUGATED METAL PANEL. REFER TO FOR TYPICAL SPLICE DETAIL. CO2 AND RTI FILL BOX LOCATION.
- 6 STRING LIGHTS TO BE CONNECTED AT TOP OF POST. SEE ELECTRICAL SHEETS
- 7 NEW STEEL PLANTER WITH TILE FINISH. RAISED PLANTER WITH WEEPS FOR DRAINAGE. LINED WITH PEEL & STICK WATERPROOFING. PAINT EXPOSED STEEL WHITE (PT-2) REFER TO DETAILS.
- 8 METAL RAILING - REFER TO DETAILS 08&07/A501.
- 9 DOWNSPOUT.
- 10 NEW STOREFRONT SYSTEM BY G.C. - REFER TO STOREFRONT SCHEDULE FOR ADDITIONAL INFORMATION.
- 11 ALL EXTERIOR STOREFRONT WINDOWS ARE FIXED
- 12 OUTDOOR TRASH RECEPTACLE BY OWNER
- 13 PARAPET COPING BY G.C. - FINISH TO MATCH MTL-4. REFER FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- 14 PATIO HEATER. INFRATECH INFRARED ELECTRIC HEATER. MOUNT TO BOTTOM OF PATIO TRELLIS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 15 NEW EXTERIOR WALL SCONCE. REFER ELECTRICAL SHEETS
- 16 EXTERIOR ELECTRICAL EQUIPMENT - REFER TO ELEC DWGS.
- 17 PARKING LOT LIGHTING PANEL - PROVIDED AND INSTALLED BY LANDLORD.
- 18 EXISTING ADJACENT PROPERTY.
- 19 EXISTING POLE SIGN - PAINT AND APPLY NEW ACRYLIC.
- 20 ARTIST MURAL ON STUCCO. REFER TO A601 FINISH SCHEDULE.
- 21 PAINT EQUIPMENT TO MATCH FINISH BEHIND.
- 22 DUMPSTER ENCLOSURE. SEE SHEET AS101 FOR DETAILS.

**finish schedule**

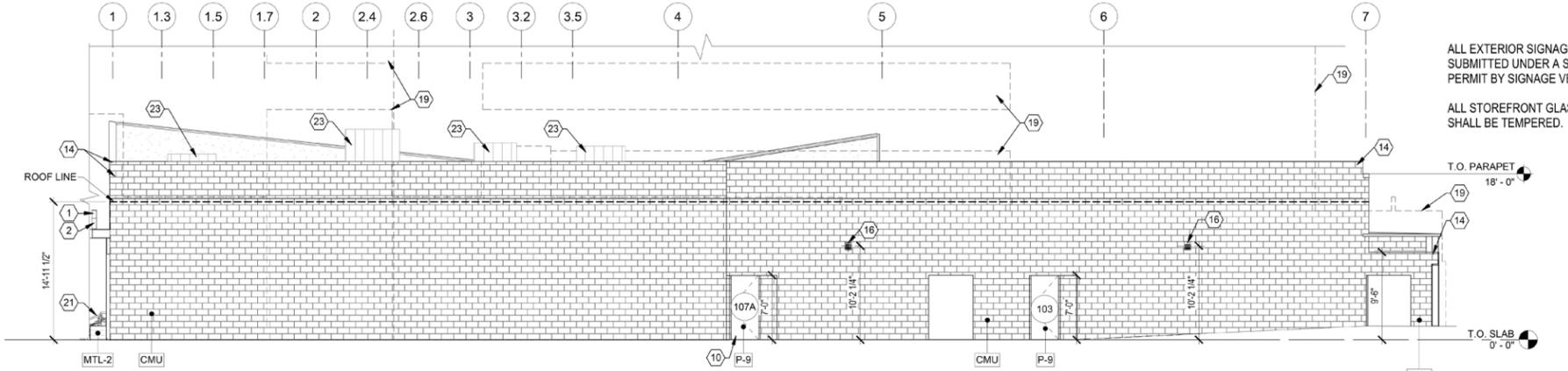
TYPE	DESCRIPTION
CF-2	MATERIAL: SEALED CONCRETE MANUFACTURER: BY G.C. PRODUCT: DETAIL: LOCATION: EXTERIOR WALL
CMU	MATERIAL: PAINTED CMU BLOCK MANUFACTURER: --- PRODUCT: 8x8x16 NOMINAL - REFER TO STRUCTURAL FOR SPECIFICATION FINISH: SW7005 PURE WHITE w/ WATER PROOFING GROUT: REFER TO STRUCTURAL DETAIL: 8" x 8" x 16" nom. LOCATION: DUMPSTER ENCLOSURE / EXTERIOR ELEVATIONS
MTL-2	MATERIAL: CORRUGATED METAL WALL PANEL MANUFACTURER: ATAS INTERNATIONAL INC. PRODUCT: METAFOR PANEL - 120 PROFILE COLOR: BONE WHITE DETAIL: 5/8" MAXIMUM PROJECTION. NOTES: ALL OUTWARD CORNERS & PERIMETERS OF ZINC & ALUM. CORRUGATED PANELS TO RECEIVE 2" MATCHING TRIMS. ALL INTERMEDIATE TRIMS BETWEEN PANELS TO BE 1 1/2" W/ HORIZ. TRIMS TO BE PROUD OF VERT. TRIMS U.N.O. LOCATION: INTERIOR - REFER TO ELEVATIONS CONTACT: ATAS, DAVID WEIDL 484-553-5409 dweidl@atas.com
MTL-3	MATERIAL: PAINTED STEEL COLOR: PAINTED P-9 (SW7005 - PURE WHITE) DETAIL: CLEAR SEAL LOCATION: VARIOUS METALWORK - REFER TO RCP, INTERIOR AND EXTERIOR ELEVATIONS, AND FLOOR FINISH PLAN FOR LOCATION NOTE: PROVIDE MOCKUP FOR ARCHITECT APPROVAL.
MTL-4	MATERIAL: CORRUGATED METAL WALL PANEL MANUFACTURER: ATAS INTERNATIONAL INC. PRODUCT: METAFOR PANEL - 120 PROFILE COLOR: BONE WHITE DETAIL: 5/8" MAXIMUM PROJECTION. NOTES: ALL OUTWARD CORNERS & PERIMETERS OF ZINC & ALUM. CORRUGATED PANELS TO RECEIVE 2" MATCHING TRIMS. ALL INTERMEDIATE TRIMS BETWEEN PANELS TO BE 1 1/2" W/ HORIZ. TRIMS TO BE PROUD OF VERT. TRIMS U.N.O. LOCATION: EXTERIOR EQUIPMENT SCREEN - REFER TO ELEVATIONS CONTACT: ATAS, DAVID WEIDL 484-553-5409 dweidl@atas.com
SHL-1	MATERIAL: HARDIE PLANK SHIPLAP SIDING MANUFACTURER: JAMES HARDIE ASPYRE PRODUCT: ARTISAN SHIPLAP PRIMED VERTICAL SIDING DETAIL: 9" EXPOSURE, 0.625" THICKNESS FINISH: PAINTED SW7067 - CITYSCAPE (PT-x) LOCATION: EXTERIOR WALLS. SEE EXTERIOR ELEVATIONS.
SPT-2	PRODUCT: MURAL BY ARTIST FINISH: COLOR USED SHOULD BE SIMILAR TO COLOR PALLETTE SW 6450, SW 7742, SW 0029, SW0025, SW 6717 LOCATION: PLEASE REFERENCE RENDERING FOR ORIGINAL INTENT
TL-1	MATERIAL: CONCRETE TILE MANUFACTURER: DESIGN AND DIRECT SOURCE PRODUCT: ELLORA CONCRETE BRICK FINISH: ROSA, MATTE SIZE: 3"x6" GROUT: LOCATION: REFER TO FINISH FLOOR PLANS & INTERIOR ELEVATIONS

TYPE	DESCRIPTION
P-9	MATERIAL: LATEX PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7005 PURE WHITE DETAIL: EGGSHELL (WALLS), FLAT (CEILINGS) LOCATION: BOH, STORAGE - REFER TO FINISH PLAN
P-10	MATERIAL: LATEX PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7742 AGATE GREEN DETAIL: EGGSHELL (WALLS) LOCATION: GARDEN ROOM - REFER TO FINISH PLAN, EXTERIOR ELEVATIONS FOR LOCATION.



**02 exterior elevation**  
SCALE | N.T.S.

**03 exterior elevation**  
SCALE | N.T.S.



**04 exterior elevation**  
SCALE | N.T.S.



Submission:	Date
OWNER/LL REVIEW	04/16/2019
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	

Revisions:	Description	Date
1	Revision 1	12/06/2019

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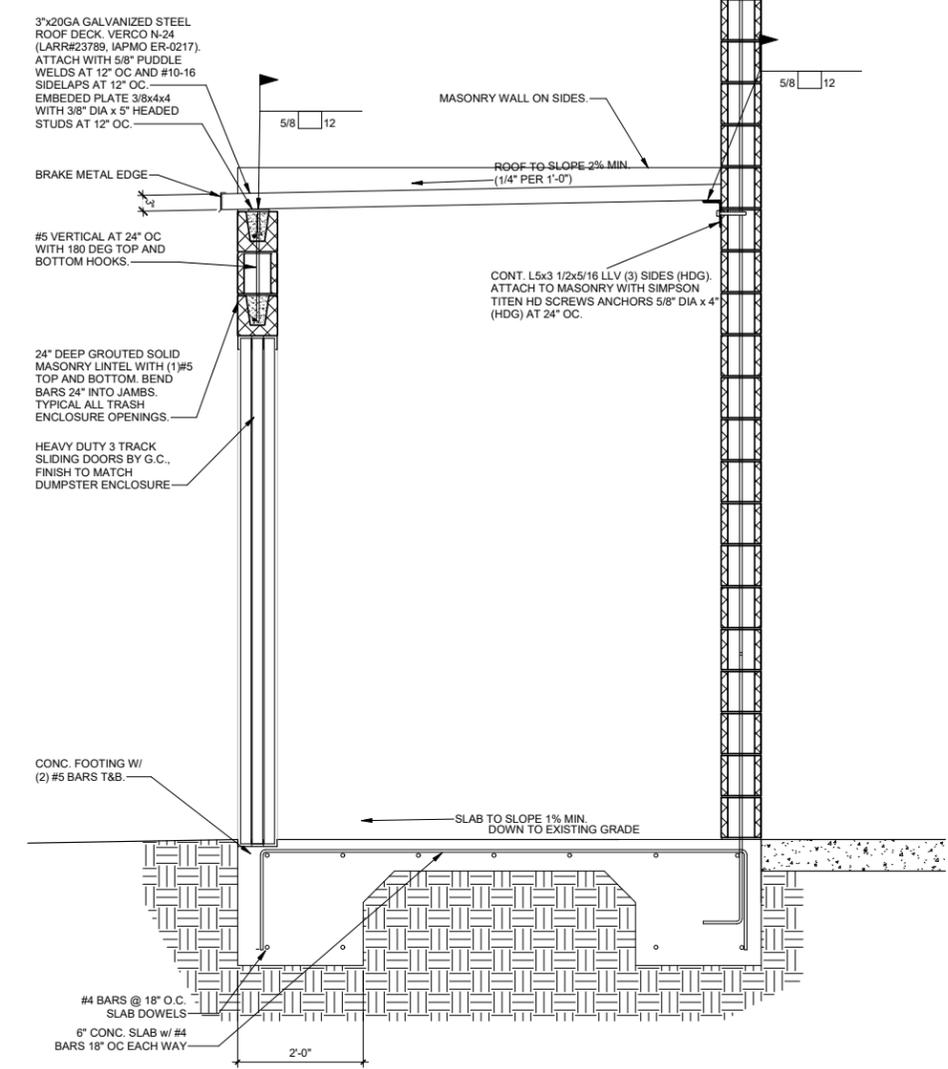
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**general notes**

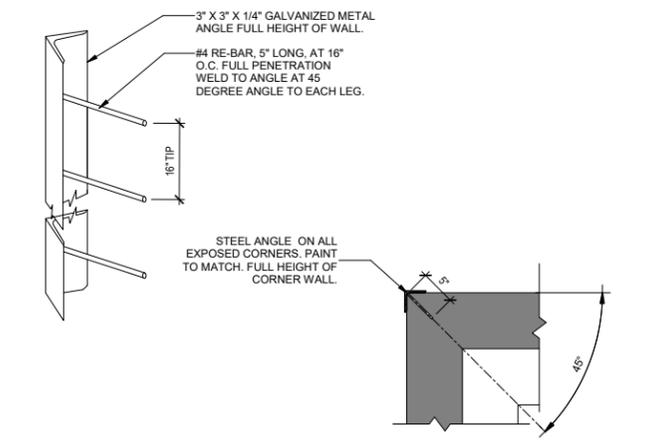
- A. REFER TO CIVIL DRAWINGS FOR SCOPE OF WORK FOR SITE IMPROVEMENTS
- B. REFER TO EXTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION ON BUILDING ELEMENTS
- C. REFER TO FINISH SCHEDULE FOR MATERIAL INFORMATION
- D. PROVIDE: HOSE BIB WITHIN 20' OF ENCLOSURE LIGHTING (MOTION SENSOR SWITCH) DRAIN (CONNECTED TO SEWER) VENTILATION
- E. TYPICAL REFUSE BIN SIZE IS 6' W, 4' L, FURNISHED BY THE CITY.
- F. ALL SURFACES MUST BE SEALED WITH AN ANTI-GRAFFITI COATING.
- G. ROOF ENCLOSURES SHALL BE CONSTRUCTED WITH A SOLID ROOF MEETING ARCHITECTURAL & STRUCTURAL DESIGN CRITERIA FROM THE CITY PLANNING AND BUILDING & SAFETY DIVISIONS.

**symbol legend**

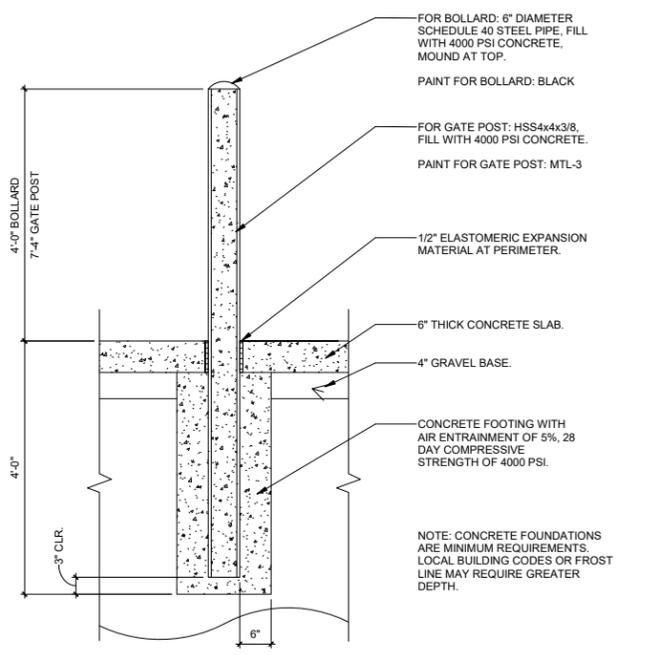
- NEW PARTITION
- NEW DOOR
- KEYNOTE
- CONCRETE
- ALIGN



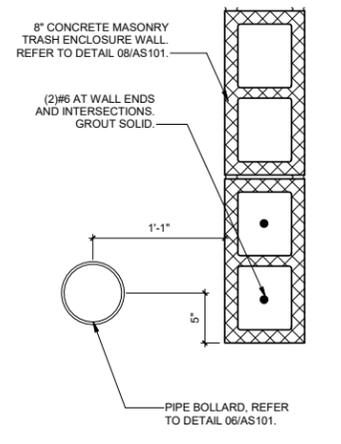
**05 trash enclosure - detail**  
SCALE | N.T.S.



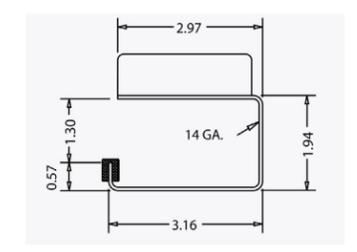
**09 steel angle @ corner**  
SCALE | N.T.S.



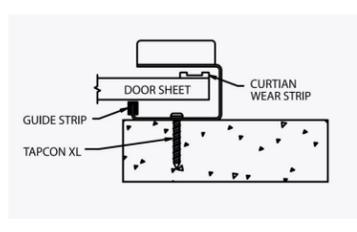
**06 bollard/gate post detail**  
SCALE | N.T.S.



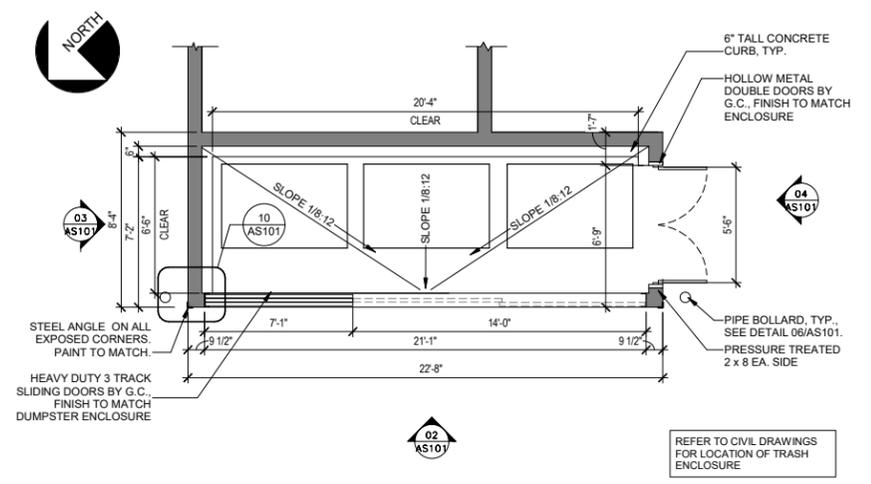
**10 enlarged enclosure plan**  
SCALE | N.T.S.



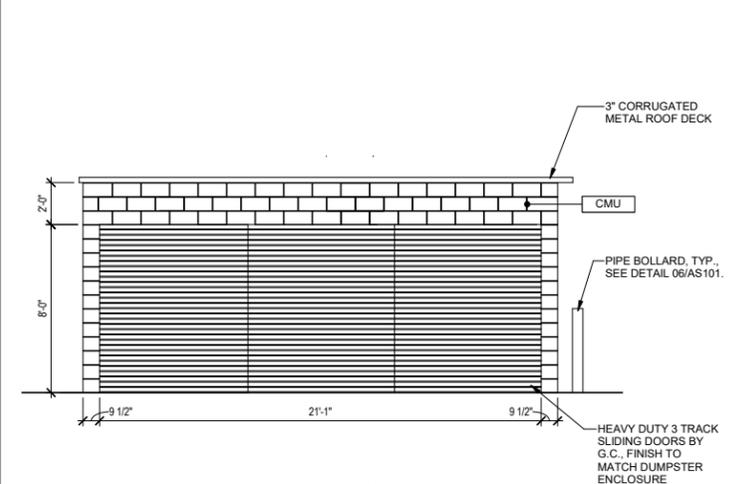
**08 dbci guide details**  
SCALE | N.T.S.



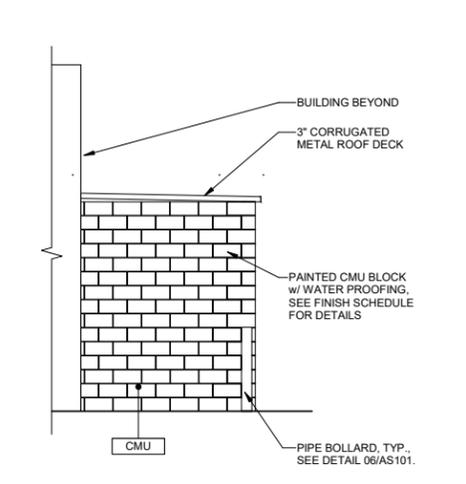
**07 dbci guide mounting**  
SCALE | N.T.S.



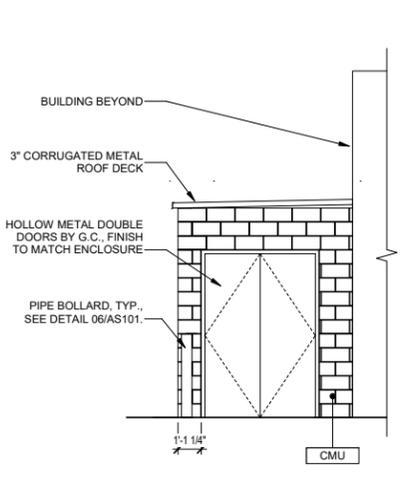
**01 trash enclosure - plan**  
SCALE | N.T.S.



**02 trash enclosure - elevation**  
SCALE | N.T.S.



**03 trash enclosure - elevation**  
SCALE | N.T.S.



**04 trash enclosure - elevation**  
SCALE | N.T.S.



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IFC SET	05/31/2019

revisions:

Description	Date
2 Revision 2	02/14/2020

seal

sheet info

DIMENSIONED  
FLOOR PLAN

**A102**

keynotes

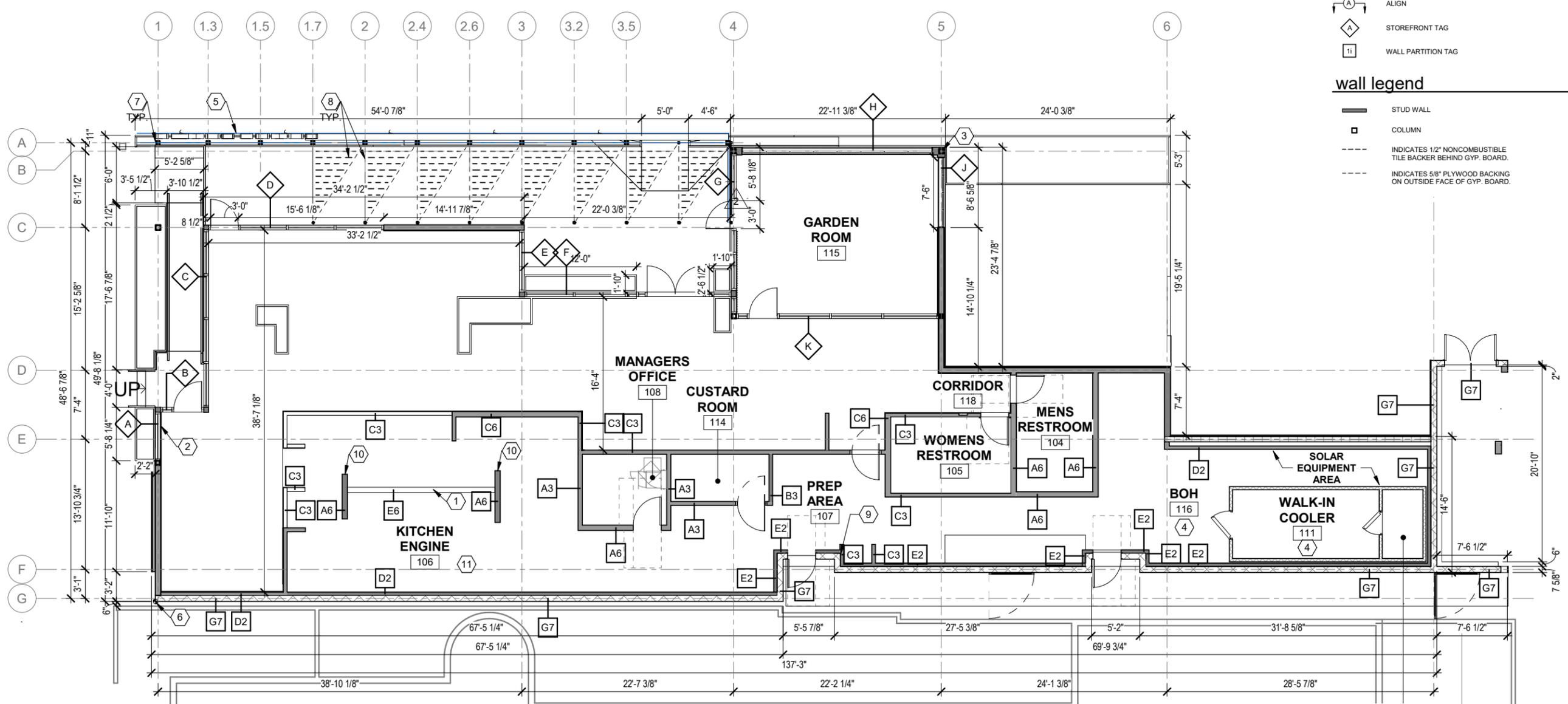
- FOOD SERVICE UTILITY WALL BY G.C., COORDINATE WITH FOOD SERVICE FOR MORE INFORMATION.
- OCCUPANCY PLACARD LOCATION, G.C. TO PROVIDE A SIGN NOTING THE MAX OCCUPANCY LOAD IN DINING AREA, COORDINATE W/ OWNER.
- NEW STRUCTURAL STEEL COLUMN. SEE FINISH FLOOR PLAN FOR FINISH INFORMATION.
- WALK-IN COOLER AND FREEZER BY VENDOR, COORDINATE WITH VENDOR FOR REQUIRED CLEARANCES.
- C-CHANNEL AND PATIO TRELLIS ABOVE - REFER TO STRUCTURAL DRAWINGS.
- DIMENSION START POINT.
- NEW STRUCTURAL STEEL POST TO SUPPORT PATIO TRELLIS BY G.C. COORDINATE W/ RCP & STRUCTURAL DRAWINGS.
- SEE STRUCTURAL PLAN FOR TRELLIS FRAMING.
- PROVIDE 5/8" WATER RESISTANT SHEATHING BETWEEN WALLS.
- NON COMBUSTIBLE WALL WITH CEMENT BOARD OVER STEEL STUDS.
- G.C. TO PROVIDE BLOCKING AS REQUIRED, REFER TO KITCHEN DRAWINGS.

symbol legend

- NEW PARTITION
- NEW PARTITION (PARTIAL HEIGHT - SEE ELEV. FOR MORE INFO)
- NEW DOOR
- FE • FIRE EXTINGUISHER
- ALIGN
- STOREFRONT TAG
- WALL PARTITION TAG

wall legend

- STUD WALL
- COLUMN
- INDICATES 1/2" NONCOMBUSTIBLE TILE BACKER BEHIND GYP. BOARD.
- INDICATES 5/8" PLYWOOD BACKING ON OUTSIDE FACE OF GYP. BOARD.



NOTE: NO HEAVY MACHINERY TO BE USED ON EXISTING SLAB FOR DEMOLITION OR EXCAVATION



**01** dimensioned floor plan  
SCALE | 1/8" = 1'-0"

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OWNER/LL REVIEW	04/16/2019
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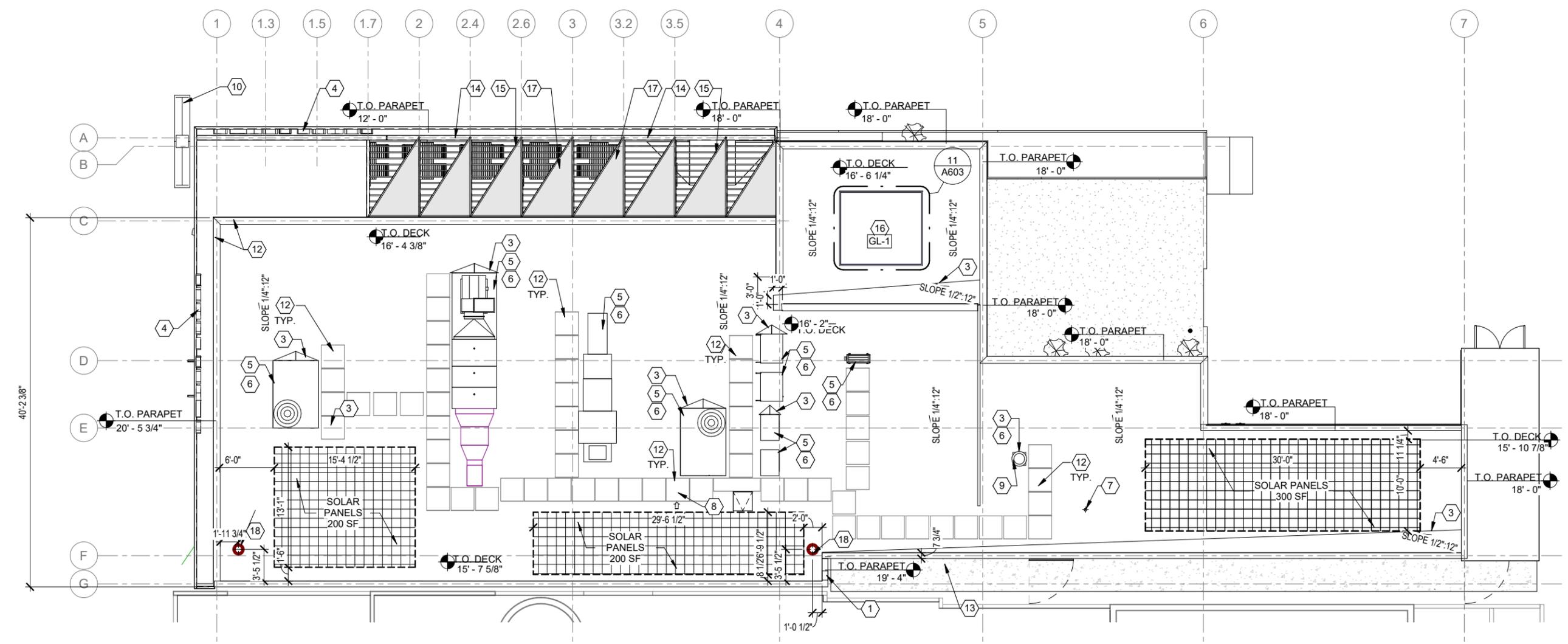
#	Description	Date
1	Description	12/08/18
		19

keynotes

- 1 OVERFLOW ROOF SCUPPER - REFER TO EXTERIOR WALL ELEVATIONS.
- 2 LOCKABLE ROOF HATCH.
- 3 ROOF CRICKET, TAPER INSULATION TO CREATE 1/4" PER 12" SLOPE, PROVIDE CRICKET AT ALL ROOF EQUIPMENT AS REQUIRED.
- 4 SIGN BAND W/ EXTERIOR SIGNAGE BY OWNER'S SIGNAGE CONTRACTOR. FILE SIGNAGE UNDER SEPARATE PERMIT. REFER TO STRUCTURAL DRAWINGS FOR SIGN BAND CONNECTION DETAILS. GC TO PROVIDE POWER AS REQUIRED. COORDINATE WITH OWNER'S VENDOR. FILE SIGNAGE UNDER SEPARATE PERMIT. REFER TO RCP FOR DIMENSIONS.
- 5 ROOF EQUIPMENT - REFER TO MECHANICAL DRAWINGS.
- 6 PROVIDE ROOF WALKWAY PAD TO PROVIDE CONTINUOUS PATH FROM ROOF HATCH TO SERVICE SIDE OF ALL EQUIPMENT.
- 7 VENT THROUGH ROOF - REFER TO MECHANICAL DRAWINGS.
- 8 AIR INTAKE FOR MANAGER'S OFFICE - REFER TO MECHANICAL DRAWINGS.
- 9 EXHAUST FAN - REFER TO MECHANICAL DRAWINGS.
- 10 NEW SIGNAGE ON EXISTING POLE SIGN. TO PAINT AND APPLY ACRYLIC SIGN ON EXISTING.
- 11 GAS PIPING - REFER TO MECHANICAL DRAWINGS.
- 12 WALKWAY PADS - TO MATCH ROOF, INSTALLED PER MFR RECOMMENDATIONS.
- 13 ROOF ACCESS LADDER.
- 14 STEEL BEAM, PAINTED FINISH (PT-2). REFER TO STRUCTURAL.
- 15 1X1 HSS MEMBERS FOR STEEL FRAMED ACRYLIC AND SUPPORTS. WELD AND GRIND SMOOTH. PAINTED FINISH (PT-2) REFERENCE WALL SECTION.
- 16 CUSTOM SKYLIGHT INSERTED ON CURB OVER GARDEN ROOM.
- 17 1/4" THICK ACRYLIC SHEET ON STEEL FRAME. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT AND FRAME DETAIL.
- 18 ROOF DRAIN - REFER TO DETAIL 16/A502 AND PLUMBING.

symbol legend

- # KEYNOTE
- INDICATES SURFACE WALKING PAD
- ▽ CRICKET
- XX  
X-X SPOT ELEVATION MARKER



**01** roof plan  
SCALE | N.T.S.

## lighting fixture schedule

CLIENT CODE	MANUFACTURER	CATALOGUE NUMBER	DESCRIPTION	WATTAGE/LAMPS/TYPE	NOTES	LOCATION
A			Custom Light			
A1	ATTAIN	AT-PN-45-37	3750K 2X4 LED TROFFER	45 WATT LED . 120 LUMENS PER WATT		BACK OF HOUSE
A1-EM	ATTAIN	AT-PN-45-37-EM	3750K 2X4 LED TROFFER	45 WATT LED . 120 LUMENS PER WATT		BACK OF HOUSE
A4-LED	ATTAIN	AT-PN-30-37	3750K 1X4 LED TROFFER	30 WATT LED . 120 LUMENS PER WATT		BACK OF HOUSE
B1	CREATIVE SYSTEMS LIGHTING	ECL-24-WT-D-1	UNDERCABINET LED	16 WATTS LED/28K/WHITE CASING		MANAGER'S OFFICE (OVER DESK)
CS	JUNO	R552BL	TRACK HEAD FULLY COVERED	LED12P30SD27KNFLB 12W LED		
E1-W	DUAL LITE	LZ2-03L	EMERGENCY LIGHTING UNIT - WHITE	3 WATT LED LAMPS		
E2B	DUAL LITE	XTOR9A-N	LED WALL PACK FULL CUT-OFF	85W LED - UNIV		
E-4	LITHONIA	ELA-B-T-QWP-L0309	TWIN WEATHERPROOF REMOTE HEAD	N/A LED		
EX1	ELECTRONIX	902-U-NC-GC-XX-BA	EDGE-LIT EXIT SIGN	N/A		
EX3W	LITHONIA	ELMLT-W-LTP-R0	EMERGENCY BATTERY PACK LESS HEADS	N/A		
P-1	EATON	904	LED Westwood Up or Down Wall Fixture Single	8W LED		
R1	JUNO	IC422LEDG4-27K-1/24WWH	6" LED DOWNLIGHT -1400 LUMEN 2700K-DEDICATED 120V	20.3 WATTS		
R2	JUNO	IC44L-07LM-27K-90CRI-FL-120 FRPC (ELV DIMMING)+47L PTSC+DIFF200	4" LED ADJUSTABLE DOWNLIGHT - 700 LUMENS, 2700K. PEWTER ALZAK CONE. SATIN CHROME TRIM FINISH. DIFFUSE SPREAD LENS	10 WATTS		FINISHED FOH CEILINGS
R4	JUNO	MG1LG2-27K-NFL-SN WITH TRANSFORMER TL602E-60-WH	MINI LED GIMBAL 27K-NFL-SN	5 WATT-INTEGRATED LED		KITCHEN FRONT COUNTER SOFFIT. ALSO LOW CEILINGS (>9FT) OVER DINING TABLES
ST1	SIVAL	LSMS24102BKF	HEAVY DUTY LIGHT STRING, 106' REEL, 50 SOCKETS, MEDIUM BASE, 24" SPACING, 16AWG. PLUG, BLACK WIRE, 960W TOTAL	11 WATT LAMP CAT # 11S14CL		
T	JUNO	T4BL T8BL T23BL TCL1BL TCLF11BL	4 FT SINGLE CIRCUIT TRACK 8 FT SINGLE CIRCUIT TRACK MINIATURE STRAIGHT CONNECTOR 120 CURRENT LIMITER (1 AMP THRU 14 AMPS) AS NEEDED PER DRAWINGS END FEED T SERIES FOR CURRENT LIMITERS	N/A	ALL OTHER COMPONENTS TO BE JUNO T SERIES	GENERAL DINING
T 2	JUNO	T4BL T8BL T23BL TCL1BL	4 FT SINGLE CIRCUIT TRACK 8 FT SINGLE CIRCUIT TRACK MINIATURE STRAIGHT CONNECTOR 120 CURRENT LIMITER (1 AMP THRU 14 AMPS) AS NEEDED PER DRAWINGS END FEED T SERIES FOR CURRENT LIMITERS	N/A	ALL OTHER COMPONENTS TO BE JUNO T SERIES	GENERAL DINING
NOTE: G.C. TO PROVIDE LIGHTING PACKAGE THROUGH SPECIALTY LIGHTING GROUP. CONTACT HEATHER KEEGAN AT 860.787.0110 EXT. 210. heather.keegan@slighting.com ANY PROPOSED ALTERNATIVES MUST BE APPROVED BY SHAKE SHACK. SOME FIXTURES ARE VOLTAGE SPECIFIC. PLEASE CHECK COMPATIBILITY. 3500K-DEDICATED 120V						

## lighting control device schedule

SYMBOL TYPE	MANUFACTURER MODEL/SERIES	EQUIVALENT MANUFACTURER	DEVICE DESCRIPTION	COVERAGE (WxD)	ON MODE	TIME DELAY	VOLTAGE
OS	WATTSTOPPER UT-300-1	COOPER, HUBBELL, LEVITON	24V CEILING MOUNT PASSIVE INFRARED OCCUPANCY SENSOR, SINGLE RELAY, INTEGRAL MANUAL OVERRIDE SWITCH.	MAJOR: 20'X20' MINOR: 15'X15'	AUTO	30 MIN	24V
PP	WATTSTOPPER BZ-200	COOPER, HUBBELL, LEVITON	LIGHTING AND PLUG LOAD POWER PACK	N/A	N/A	N/A	120/277V

2 Lighting Control Device Schedule  
E101 1/4" = 1'-0"

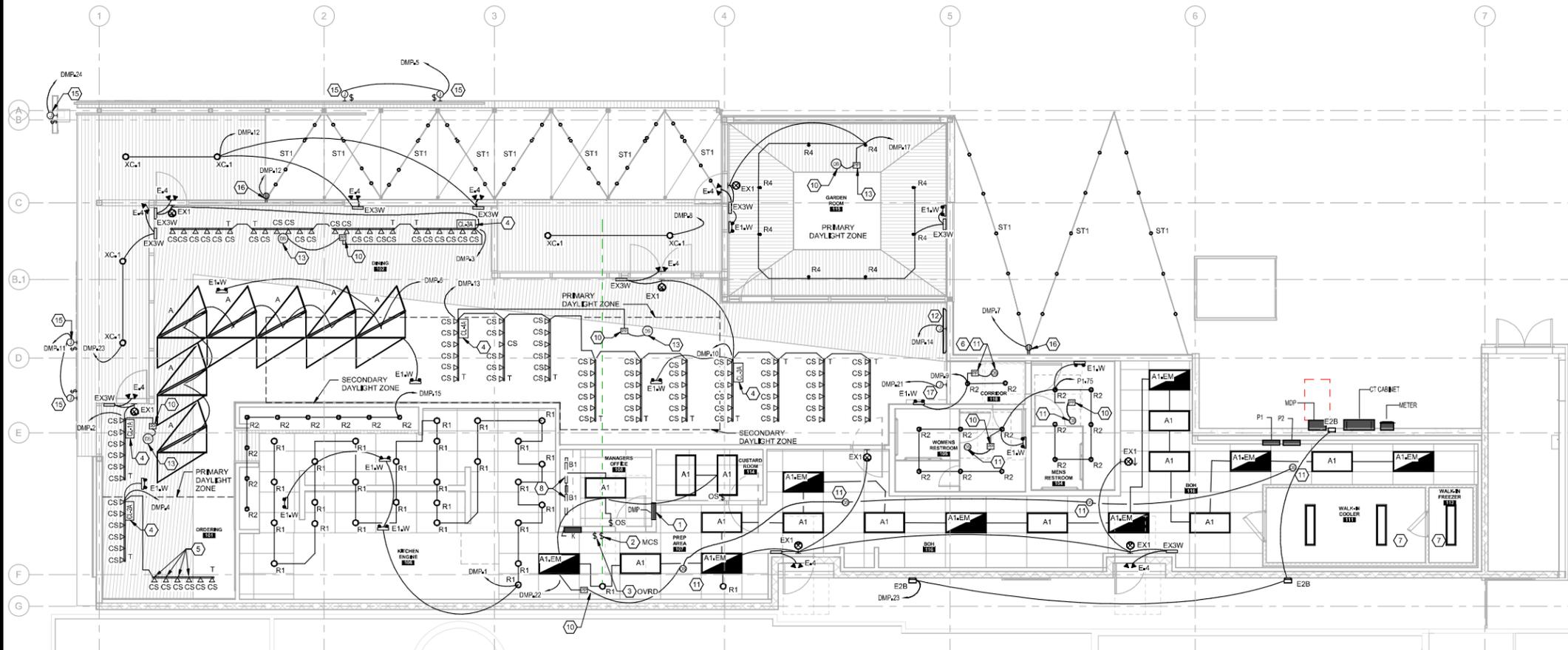
## keyed notes

- PROVIDE LIGHTING CONTROL PANEL 'DMP' FOR CONTROL OF LIGHTING FIXTURES INDICATED. REFER TO SHEET E601 FOR ADDITIONAL INFORMATION.
- PROVIDE DIMMER SYSTEM MASTER CONTROL STATION 'MCS'. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND PROVIDE SINGLE GANG BOX. SEE SHEET E602 FOR MORE INFORMATION.
- PROVIDE LOW VOLTAGE SWITCH FOR LIGHTING SYSTEM 2-HOUR OVERRIDE 'OVRD' IN A SINGLE GANG BOX. REFER TO SHEET E602 FOR ADDITIONAL INFORMATION. WIRE AND INSTALL PER MANUFACTURERS INSTRUCTIONS.
- PROVIDE TRACK LIGHTING POWER END FEED CURRENT LIMITER DEVICE WITH RATINGS AS SHOWN. REFER TO LIGHTING SCHEDULE ON SHEET E602 FOR COMPLETE MODEL NUMBER. WIRE AND INSTALL PER MANUFACTURERS INSTRUCTIONS.
- LIGHT FIXTURE TO BE AIMED AT NON-ILLUMINATED MENU BOARD. REFER TO ARCHITECTURAL SET FOR DETAILS.
- LIGHTING INSTALLED IN CORRIDORS AND STAIRWELLS SHALL BE SEPARATELY REDUCED BY OCCUPANT SENSING CONTROLS THAT SEPARATELY REDUCE THE LIGHTING POWER IN EACH SPACE BY AT LEAST 50 PERCENT WHEN THE SPACE IS UNOCCUPIED.
- INSTALL LED LIGHT FIXTURES SHIPPED LOOSE WITH WALK-IN COOLER. MOUNT FIXTURE TO LOWEST SHELF AND TIE INTO OFFICE LIGHTING CIRCUIT. CONTROLLED VIA WALL MOUNTED OCCUPANCY SWITCH
- PROVIDE POWER PACK AND CONTROLLER. REFER TO SHEET E602 FOR WIRING DETAILS. INSTALL AND WIRE PER MANUFACTURERS INSTRUCTIONS.
- REFER TO SHEET E602 FOR SPECIFICATIONS FOR LIGHTING CONTROL DEVICE.
- SHACKMEISTER SIGN LOCATION. SEE ARCHITECTURAL PLAN FOR MOUNTING HEIGHT AND DETAILS.
- PROVIDE DAYLIGHT SENSOR. REFER TO SHEET E602 FOR WIRING DETAILS. INSTALL AND WIRE PER MANUFACTURERS INSTRUCTIONS.
- PROVIDE POWER PACK AND CONTROLLER. REFER TO SHEET E602 FOR WIRING DETAILS. INSTALL AND WIRE PER MANUFACTURERS INSTRUCTIONS.
- PROVIDE WEATHERPROOF JUNCTION BOX(ES) AS DIRECTED BY ARCHITECT FOR CONNECTION TO ILLUMINATED EXTERIOR SIGNAGE. PROVIDE DISC SWITCH AND COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT AND SIGNAGE INSTALLER PRIOR TO ROUGH IN.
- PROVIDE GFIC TYPE RECEPTACLE FOR PATIO STRING LIGHTING. MOUNTED IN WEATHER PROOF ENCLOSURE MOUNTED UP HIGH ON WALL. REFER TO ARCHITECTURAL ELEVATIONS AND DETAIL ON SHEET E602 FOR ADDITIONAL INFORMATION. RECEPTACLES ARE CONTROLLED VIA OCCUPANCY SENSOR ROUTED THROUGH LUTRON DIMMING PANEL.
- NEON SIGN LOCATION. SEE ARCHITECTURAL PLAN FOR MOUNTING HEIGHT AND DETAILS.

**TITLE 24**  
LIGHTING ENERGY COMPLIANCE  
CALCULATED UNDER PERFORMANCE  
METHOD. SEE "T" SERIES DRAWINGS  
FOR COMPLIANCE FORMS.

## LIGHT FIXTURE LEGEND

SYMBOL	DESCRIPTION
	2X2 RECESSED LIGHT FIXTURE
	2X2 RECESSED LIGHT FIXTURE WITH EMERGENCY BATTERY PACK
	1X4 SUSPENDED/SURFACE LIGHT FIXTURE
	LINEAR UNDER CABINET LIGHT
	LIGHTING TRACK WITH FIXTURE
	RECESSED OR SUSPENDED LIGHT FIXTURE
	PATIO STRING LIGHT
	EMERGENCY BATTERY PACK
	EMERGENCY LIGHT
	EXTERIOR EMERGENCY WALL PACK
	EXIT SIGN
	WALL SCONCE
CL-#A	(JUNO "TCL" CURRENT LIMITER CL-1Aa = 1 AMP CURRENT LIMITER CL-1Ab = 1 AMP CURRENT LIMITER CL-2Aa = 2 AMP CURRENT LIMITER CL-3Aa = 3 AMP CURRENT LIMITER



1 lighting plan  
SCALE | N.T.S.

submission:	Date
OWNER/LL REVIEW	04/16/2019
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	

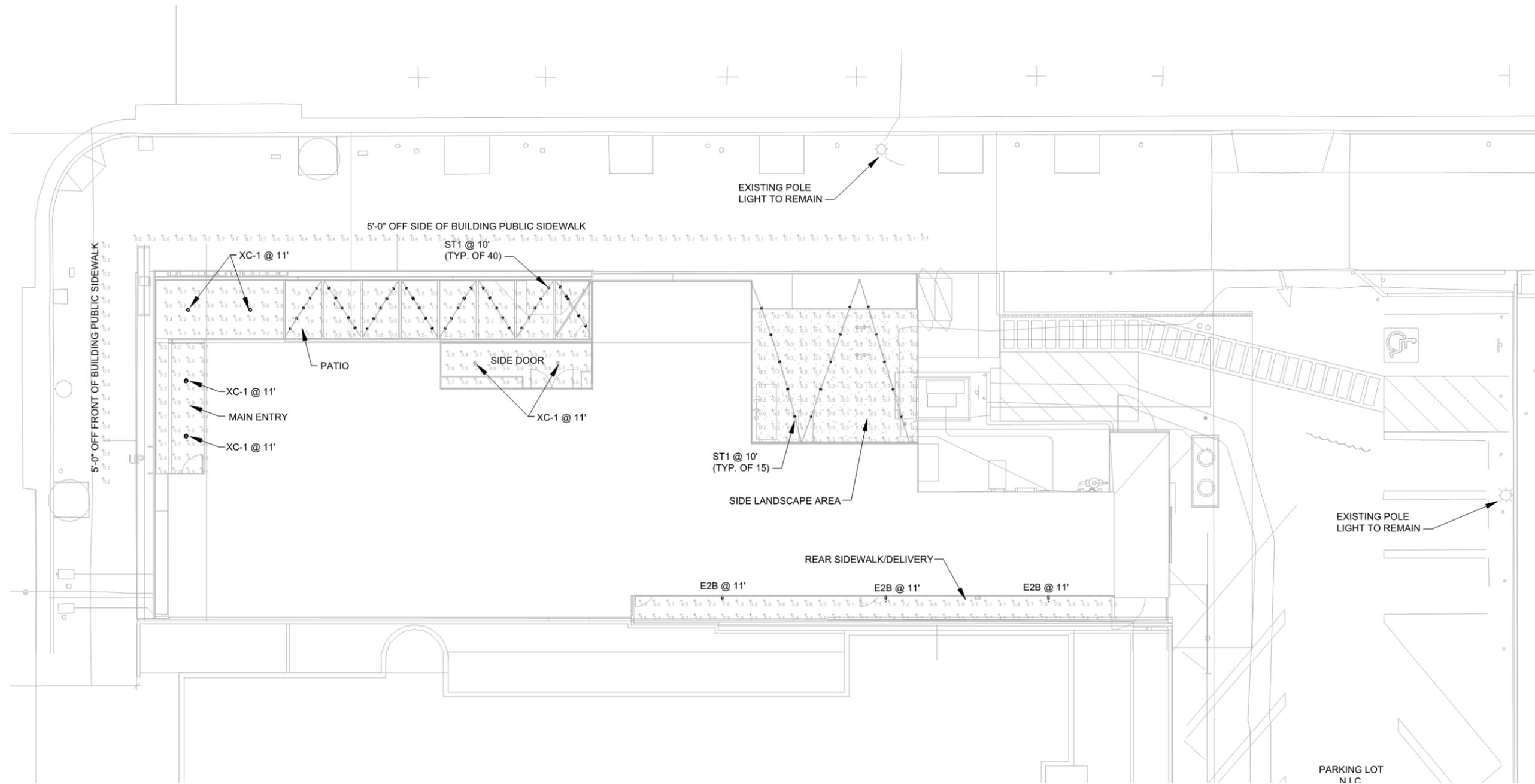
Description	Date
1 REVISION 1	12/06/19

submission:	Date
OWNER/ILL REVIEW	04/16/2019
BID SET	05/09/2019
PERMIT SET	05/31/2019
IFC SET	05/31/2019

Description	Date

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
○	ST1	55	BULBRITE		PATIO STRING LIGHTING	LED1S14/27K/FIL/F	1	776687_070219_IESNA2 002.IES	67	1	0.725111
○	R1	0	Juno Lighting	IC22LED G4 14LM 27K 90CRI 120 FRPC + 24 WWH	6" IC LED HOUSING WITH 24W-WH, WHITE BAFFLE TRIM	LED/27K	1	IC22LED_G4_14LM_27K_90CRI_120_FRPC_+_24_WWH.ies	1487	1	17.4
○	R2	0	Juno Lighting	IC4AL 07LM 27K 90CRI FL 120 FRPC + 42L PTSC	4" IC 600 LUMEN INTERNALLY ADJUSTABLE LED HOUSING	LED/27K WITH FLOOD OPTIC WITH 42LPT-SC, DOWNLIGHT CONE PEWTER FINISH TRIM	1	IC4AL_07LM_27K_90CRI_FL_120_FRPC_+_42L_PTSC.ies	755	1	10.5
○	XC-1	6	Lithonia Lighting	4BPMW LED	4" 3000K 620 Lumens 120v Matte White LED Module, 80CRI	3000K LED	1	4BPMW_LED.ies	625	1	11.16
⤴	E2B	3	EATON - LUMARK (FORMER COOPER LIGHTING)	XTOR2B	CROSSTOUR 18W WALL MOUNT LED	EATON LED 5000K	1	XTOR2B (1).ies	2134	1	18.2

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
5'-0" OFF FRONT OF BUILDING PUBLIC SIDEWALK	+	0.3 fc	0.4 fc	0.1 fc	4.0:1	3.0:1
5'-0" OFF SIDE OF BUILDING PUBLIC SIDEWALK	+	0.3 fc	0.7 fc	0.1 fc	7.0:1	3.0:1
MAIN ENTRY	+	3.8 fc	4.8 fc	1.8 fc	2.7:1	2.1:1
PATIO	+	1.5 fc	3.1 fc	0.7 fc	4.4:1	2.1:1
REAR SIDEWALK/DELIVERY	+	5.0 fc	7.9 fc	1.3 fc	6.1:1	3.8:1
SIDE DOOR	+	3.4 fc	3.9 fc	2.5 fc	1.6:1	1.4:1
SIDE ENTRY SIDEWALK	+	3.8 fc	4.9 fc	2.5 fc	2.0:1	1.5:1
SIDE LANDSCAPE AREA	+	0.3 fc	0.3 fc	0.2 fc	1.5:1	1.5:1



# Lumark

## DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

## SPECIFICATION FEATURES

### Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

### Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

### Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized

electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

### Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

### Warranty

Five-year warranty.

Catalog #		Type	
Project		E2B	
Comments		Date	
Prepared by			



## XTOR CROSSTOUR LED

APPLICATIONS:  
WALL / SURFACE  
POST / BOLLARD  
LOW LEVEL  
FLOODLIGHT  
INVERTED  
SITE LIGHTING



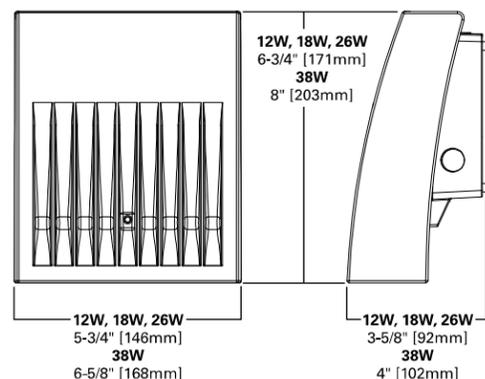
**CERTIFICATION DATA**  
UL/cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
ADA Compliant  
NOM Compliant Models  
IP66 Ingressed Protection Rated  
Title 24 Compliant  
DesignLights Consortium® Qualified\*

**TECHNICAL DATA**  
40°C Maximum Ambient Temperature  
External Supply Wiring 90°C Minimum

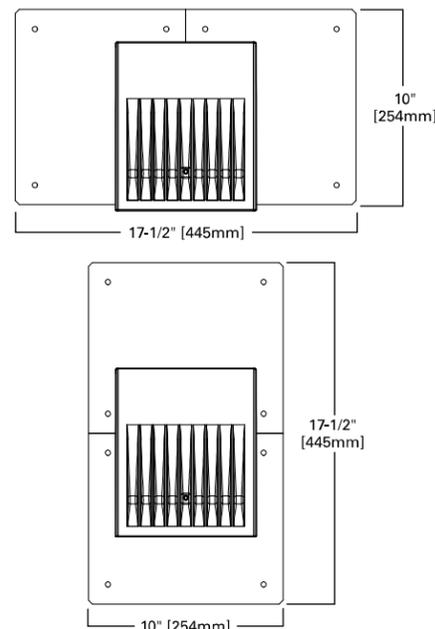
**EPA**  
Effective Projected Area (Sq. Ft.):  
XTOR1B, XTOR2B, XTOR3B=0.34  
XTOR4B=0.45

**SHIPPING DATA:**  
Approximate Net Weight:  
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

## DIMENSIONS



## ESCUTCHEON PLATES



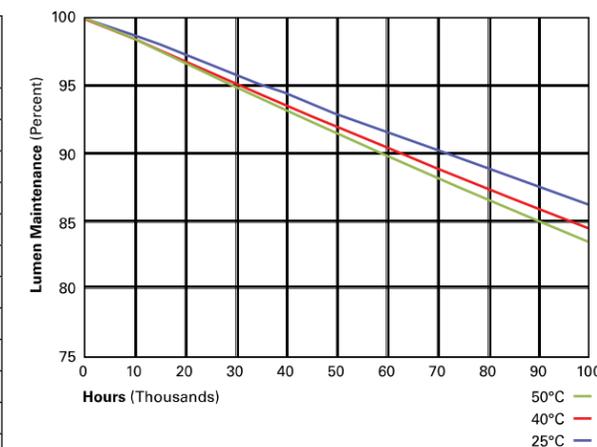
## POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,995
Delivered Lumens (With Flood Accessory Kit) <sup>1</sup>	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating <sup>2</sup>	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0								
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

NOTES: <sup>1</sup> Includes shield and visor. <sup>2</sup> B.U.G. Rating does not apply to floodlighting.

## LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
<b>XTOR1B Model</b>		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
<b>XTOR2B Model</b>		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
<b>XTOR3B Model</b>		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
<b>XTOR4B Model</b>		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



## CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.15A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.053A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

**ORDERING INFORMATION**

Sample Number: XTOR2B-W-WT-PC1

Series 1	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)
XTOR1B=Small Door, 12W XTOR2B=Small Door, 18W XTOR3B=Small Door, 26W XTOR4B=Medium Door, 38W	[Blank]=Bright White (Standard), 5000K W=Neutral White, 4000K Y=Warm White, 3000K	[Blank]=Carbon Bronze (Standard) WT=Summit White BK=Black BZ=Bronze AP=Grey GM=Graphite Metallic DP=Dark Platinum	PC1=Photocontrol 120V 2 PC2=Photocontrol 208-277V 2,3 347V=347V 4 HA=50°C High Ambient 4	WG/XTOR=Wire Guard 5 XTORFLD-KNC=Knuckle Floodlight Kit 6 XTORFLD-TRN=Trunnion Floodlight Kit 6 XTORFLD-KNC-WT=Knuckle Floodlight Kit, Summit White 6 XTORFLD-TRN-WT=Trunnion Floodlight Kit, Summit White 6 EWP/XTOR=Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT=Escutcheon Wall Plate, Summit White

**NOTES:**

- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Photocontrols are factory installed.
- Order PC2 for 347V models.
- Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
- Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
- Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

**STOCK ORDERING INFORMATION**

12W Series	18W Series	26W Series	38W Series
XTOR1B=12W, 5000K, Carbon Bronze	XTOR2B=18W, 5000K, Carbon Bronze	XTOR3B=26W, 5000K, Carbon Bronze	XTOR4B=38W, 5000K, Carbon Bronze
XTOR1B-WT=12W, 5000K, Summit White	XTOR2B-W=18W, 4000K, Carbon Bronze	XTOR3B-W=26W, 4000K, Carbon Bronze	XTOR4B-W=38W, 4000K, Carbon Bronze
XTOR1B-PC1=12W, 5000K, 120V PC, Carbon Bronze	XTOR2B-WT=18W, 5000K, Summit White	XTOR3B-WT=26W, 5000K, Summit White	XTOR4B-WT=38W, 5000K, Summit White
XTOR1B-W=12W, 4000K, Carbon Bronze	XTOR2B-PC1=18W, 5000K, 120V PC, Carbon Bronze	XTOR3B-PC1=26W, 5000K, 120V PC, Carbon Bronze	XTOR4B-PC1=38W, 5000K, 120V PC, Carbon Bronze
	XTOR2B-W-PC1=18W, 4000K, 120V PC, Carbon Bronze	XTOR3B-W-PC1=26W, 4000K, 120V PC, Carbon Bronze	XTOR4B-W-PC1=38W, 4000K, 120V PC, Carbon Bronze
	XTOR2B-347V=18W, 5000K, Carbon Bronze, 347V	XTOR3B-347V=26W, 5000K, Carbon Bronze, 347V	XTOR4B-347V=38W, 5000K, Carbon Bronze, 347V
	XTOR2B-WT-PC1=18W, 5000K, 120V PC, Summit White	XTOR3B-PC2=26W, 5000K, 208-277V PC, Carbon Bronze	



**CPR Series**  
*Decorative Indoor Remote Lighting Heads*

**FEATURES**

Injection molded thermoplastic decorative lamphead and mounting plate assembly. Mounts to 3½” octagonal or single gang boxes. Single and twin lamp fixtures with MR16 lamp included. Standard finish is available in white or black.

**ORDERING GUIDE**

CPR	S	W	O3L
Series	Heads	Finish	Lamp
	S Single D Double	W White B Black	0605 6 Volt, 5 Watt Halogen 0603L 6 Volt, 3 Watt LED 1203L 12 Volt, 3 Watt LED

**Remote Lighting Heads**

Catalog Number	
Comments	Type



**OCR Series**  
*Decorative Outdoor Remote Lighting Heads*

**FEATURES**

Outdoor UL Wet Location Listed die cast aluminum lamp head and mounting plate assembly complete with MR 16 lamp. Single or twin lamp fixtures available in dark bronze, black or white polyester powder coat finish. Mounts to 3½” octagonal or single gang boxes. Available with 5 watt lamps. Housing rated up to 50 watts. Lamps higher than 5 watts supplied by others.

**ORDERING GUIDE**

OCR	<del>S</del>	<del>W</del>	O3L
Series	Heads	Finish	Lamp
	S Single D Double	W White B Black Z Dark Bronze	0605 6 Volt, 5 Watt Halogen 0603L 6 Volt, 3 Watt LED 1203L 12 Volt, 3 Watt LED

Catalog Number	
Comments	Type



**JUNO**

Project: \_\_\_\_\_

Fixture Type: R1 \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# 6" IC 1400 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC22LED (G4 14LM) RECESSED HOUSING


**OPEN TRIMS**


## PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine

- Housing allows for fit in 2 x 8 construction
- Can be completely covered with insulation
- Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets
- LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims
- 5 year limited warranty on LED components.

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 120W PAR38, BR40 incandescent or 32W compact fluorescent

## PRODUCT SPECIFICATIONS

**LED Light Engine** LED array integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LED

- Replaceable light engine mounts directly to housing and incorporates the latest generation, high lumen output LED array
- LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K, or 4000K color temperatures available
- 90 CRI minimum.

**Optical System** Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance

- Deep regression of lens produces a low glare, efficient system that produces 1400 lumens typical with select trims
- Wide flood distribution shipped as standard with optional optic accessories available and sold separately.

**Aesthetic Trim Selections** Compatible with wide selection of existing Juno trims

- Shadow free, knife edge design blends seamlessly into ceiling.

**LED Driver** Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate input voltages from 120-277 volts AC at 50/60Hz

- Power factor > 0.9 at 120V input
- 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- Universal voltage drivers are dimmable with the use of most 0-10V wall box dimmers
- For a list of compatible dimmers, see [JUNOICLED-DIM](#)

**Life** Rated for 50,000 hours at 70% lumen maintenance.

- Labels** ENERGY STAR® Certified when used with select baffle and cone trims
- Certified to the high efficacy requirements of California T24 JA8-2016 with select trims
  - UL listed for U.S. and Canada, through-branch wiring and damp locations
  - Union made
  - UL and cUL.

**Testing** All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

## HOUSING FEATURES

**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance
- Housing is vertically adjustable to accommodate up to a 2" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire

- UL listed and cUL listed for through-branch wiring, maximum 8 #12 branch circuit conductors
- Junction box provided with removable access plates
- Knockouts equipped with pryout slots
- Quick connect electrical connectors supplied as standard for fast, secure installation.

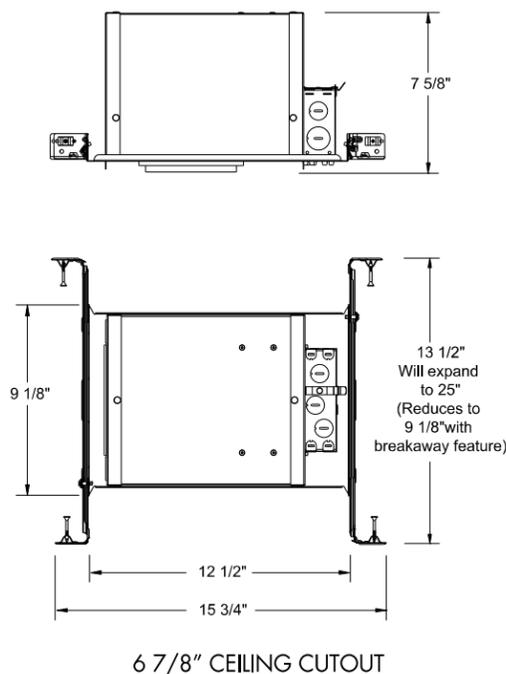
**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame

- Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

**Real Nail 3 Bar Hangers** Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings

- Includes removable nail for repositioning of fixture in wood joist construction
- Integral T-bar notch and clip for suspended ceilings.

## DIMENSIONS



6 7/8" CEILING CUTOUT

# 6" IC 1400 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC22LED (G4 14LM) RECESSED HOUSING

**OPEN TRIMS**

## ELECTRICAL DATA

**Dedicated 120V Only Driver Option (120 FRPC)**

120V	
Input Power	17.4W (+/-5%)
Input Current	0.15A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

## ELECTRICAL DATA

**Universal Voltage**

	MVOLT EZ10 and EZ1		MVOLT ZT10 and ZT1	
	120V	277V	120V	277V
Input Power	15.6W (+/-5%)	16.3W (+/-5%)	15.6W (+/-5%)	16.3W (+/-5%)
Input Current	0.13A	0.06A	0.13A	0.06A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C

## ORDERING INFORMATION

Housing and trim can be ordered together or separate, but will always ship separately.

Example: IC22LED G4 14LM 27K 90CRI 120 FRPC

Series	Generation	Lumens	Color Temperature	CRI	Voltage/Driver
IC22LED	6" LED New Construction Downlight	G4 Generation 4	14LM 1400 Nominal Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K	90CRI 90+ CRI
					120 FRPC 120V Forward/Reverse Phase Cut, 5% dim
					MVOLT ZT10 Multi-Volt (120-277), 0-10V, 10% dim
					MVOLT ZT1 Multi-Volt (120-277), 0-10V, 1% dim
					MVOLT EZ10 Multi-Volt (120-277), eidoLED 0-10V, 10% dim
					MVOLT EZ1 Multi-Volt (120-277), eidoLED 0-10V, 1% dim



## Trim/Description

	<b>24 BABZ</b>	Downlight Tapered Black Baffle, Classic Aged Bronze Trim Ring		<b>9024 WWH</b>	White Octagonal w/ White Baffle
	<b>24 BBL</b>	Downlight Tapered Black Baffle, Black Trim Ring			
	<b>24 BSC</b>	Downlight Tapered Black Baffle, Satin Chrome Trim Ring			
	<b>24 BWH</b>	Downlight Tapered Black Baffle, White Trim Ring		<b>9324 SC</b>	Luminous Disk (Frosted)
	<b>24 WWH</b>	Downlight Tapered White Baffle, White Trim Ring			
	<b>27 BWH</b>	Downlight Tapered Black Cone, White Trim Ring		<b>9524 SC</b>	Chrome Band
	<b>27 CWH</b>	Downlight Tapered Clear Cone Alzak®, White Trim Ring			
	<b>27 GWH</b>	Downlight Tapered Gold Cone, White Trim Ring		<b>9702</b>	Luminous Collar (Frosted)
	<b>27 HZWH</b>	Downlight Tapered Haze Cone, White Trim Ring			
	<b>27 PTSC</b>	Downlight Tapered Pewter Cone, Satin Chrome Trim Ring			
	<b>27 WHZABZ</b>	Downlight Tapered Wheat Haze Cone, Classic Aged Bronze Trim Ring			
	<b>27 WHZWH</b>	Downlight Tapered Wheat Haze Cone, White Trim Ring			
	<b>27 WWH</b>	Downlight Tapered White Cone, White Trim Ring			

Trim Size: 24, 27, 9324, 9524 - 7 3/8" O.D.; 9702 - 7 3/4" O.D.; 9024 - 8" O.D.

Alzak is a registered trademark of Alcoa Corp.

Note: In Canada when insulation is present, Type IC fixtures must be used.

<sup>1</sup> ENERGY STAR® Certified and T24 certified

## Accessories (ordered separately)

Catalog Number	Description
LEDOPTICG3 MFL	Medium Flood Optic (50°)
LEDOPTICG3 NFL	Narrow Flood Optic (37°)
LEDOPTICG3 SP	Spot Optic (10°)
To order, specify catalog number.	
Catalog Number	Description
TR6 ABZ	6" Trim Ring - Classic Aged Bronze
TR6 BL	6" Trim Ring - Black
TR6 SC	6" Trim Ring - Satin Chrome
TR6 WH	6" Trim Ring - White

To order, specify catalog number.

\*TR6 available for 24 and 27 trim series only

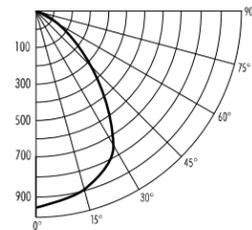
# 6" IC 1400 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC22LED (G4 14LM) RECESSED HOUSING  
OPEN TRIMS

## PHOTOMETRICS

### PHOTOMETRIC REPORT

Test Report #: PT10141507R  
Catalog No: IC22LED G4 14LM 35K with  
24 WWH Trim and standard wide flood optic  
Luminaire Spacing Criterion: 1.18  
Luminaire LPW: 92



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	956
5	949
15	898
25	811
35	650
45	307
55	135
65	65
75	38
85	10
90	0

Multiplier: 27K - 0.93  
30K - 0.97  
40K - 1.02

### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	108	88	74
5.0'	69	56	47
6.0'	48	39	33
7.0'	39	32	27
8.0'	31	25	21
9.0'	23	19	16
10.0'	17	14	12

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	716	N/A	44.8
0-40°	1113	N/A	69.7
0-60°	1481	N/A	92.7
0-90°	1598	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 17.4W, 80.3° Beam)

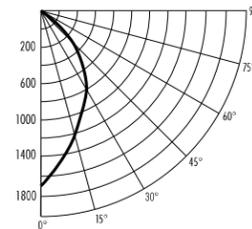
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	59.8	6.7"
6	26.6	10.1"
8	14.9	13.5"
10	9.6	16.9"

### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	25776
55	13943
65	9155
75	8740
85	6595

### PHOTOMETRIC REPORT

Test Report #: 25978R  
Catalog No: IC22LED G4 14LM 35K with  
27 CWH Trim and standard wide flood optic  
Luminaire Spacing Criterion: 0.78  
Luminaire LPW: 98



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1696
5	1589
15	1206
25	946
35	677
45	323
55	103
65	21
75	0
85	0
90	0

Multiplier: 27K - 0.93  
30K - 0.97  
40K - 1.02

### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	117	98	84
5.0'	75	63	54
6.0'	52	44	37
7.0'	42	35	30
8.0'	33	28	24
9.0'	26	21	18
10.0'	19	16	13

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	918	N/A	53.8
0-40°	1336	N/A	78.3
0-60°	1684	N/A	98.7
0-90°	1707	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 17.4W, 58° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	106.0	4.4"
6	47.1	6.7"
8	26.5	8.9"
10	17.0	11.1"

### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	27283
55	10684
65	2947
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

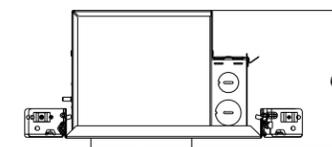
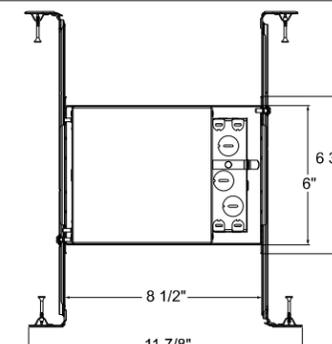
# 4" IC 700 LUMEN INTERNALLY ADJUSTABLE LED DOWNLIGHT NEW CONSTRUCTION

IC4AL (07LM) RECESSED HOUSING

## DOWNLIGHT TRIMS



## DIMENSIONS



4 1/2" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver Option (120 120V)

Input Power	10.5W (+/-5%)
Input Current	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Residential)
Minimum starting temp	-25°C (-13°F)

### Universal Voltage Driver (MVOLT ZT)

	120V	277V
Input Power	10.0W (+/-5%)	10.0W (+/-5%)
Input Current	0.09A	0.04A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class A (Commercial)	FCC Title 47 CFR, Part 15, Class A (Commercial)
Minimum starting temp	-20°C (-4°F)	-20°C (-4°F)

### Lutron Hi-Lume® LED Driver (MVOLT ECOD)

	120V	277V
Input Power	11.1W (+/-5%)	11.3W (+/-5%)
Input Current	0.10A	0.05A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class A (Commercial)	FCC Title 47 CFR, Part 15, Class A (Commercial)
Minimum starting temp	0°C (32°F)	0°C (32°F)

# JUNO

Project: \_\_\_\_\_

Fixture Type: R2 \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

## PRODUCT DESCRIPTION

Patent pending dedicated LED, Air-Loc® sealed new construction housing with integral internally adjustable light engine • Double wall, shallow housing construction • Can be completely covered with insulation and installs in 2 x 6 construction • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and cooling costs without the use of additional gaskets • LED housing is designed to provide 50,000 hours of life • 5 year limited warranty on LED components.

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output to 65W incandescent

## PRODUCT SPECIFICATIONS

**LED Light Engine** LED array attached to cast aluminum sliding heatsink integrated directly with housing provides superior heat transfer to ensure long life of the LED • Replaceable light engine mounts directly to inner housing assembly and incorporates the latest generation, high lumen output LED array • LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity • 2700K, 3000K, 3500K, or 4000K color temperatures available • 90 CRI minimum.

**Optics** Three field interchangeable, TIR optics available in 18°, 30° and 40° beam angles • Module can accommodate one 2-inch diameter beam control lens or filter.

**Aesthetic Trim Selections** Aluminum downlight reflector in clear, black, pewter, white, haze and wheat haze • Shadow free, knife edge design blends seamlessly into ceiling.

**LED Driver** Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • For a list of compatible dimmers, see [JUNOICLED-DIM](#).

**Life** Rated for 50,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Certified • Certified to the high efficacy requirements of California T24 JA8-2016 • UL listed for U.S. and Canada for through-branch wiring, damp locations • Union made • UL and cUL.

**Testing** All reports are based on published industry procedures; field performance may differ from laboratory performance. Specifications subject to change without notice.

## HOUSING FEATURES

**Housing** Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance • Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 4 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

**Real Nail 3 Bar Hangers** Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings.

# 4" IC 700 LUMEN INTERNALLY ADJUSTABLE LED DOWNLIGHT NEW CONSTRUCTION

IC4AL (07M) RECESSED HOUSING

## DOWNLIGHT TRIMS

**ORDERING INFORMATION** Housing and trim can be ordered together or separate, but will always ship separately.

Example: IC4AL 07LM 27K 90CRI FL 120 FRPC

Series	Lumens	Color Temperature	CRI	Distribution	Voltage	Driver	Territory
<b>IC4AL</b> 4" LED Internally Adjustable New Const. IC Downlight	<b>07LM</b> 700 Nominal Lumens	<b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K	<b>90CRI</b> 90+ CRI	<b>FL</b> Flood <b>NFL</b> Narrow Flood <b>SP</b> Spot	<b>120</b> 120V <b>MVOLT</b> Multi-Volt (120-277V)	<b>ECOD</b> Lutron Hi-Lume EcoSystem, 1% Dimming <b>FRPC</b> Forward/Reverse Phase Cut <b>ZT</b> 0-10V Dimming Driver	<b>CP</b> Chicago Plenum

Notes: 120 must be ordered with FRPC. MVOLT can be ordered with either ZT or ECOD

**Trim/Description**

	<b>42L BWH</b> 4" Downlight Cone Trim - Black Alzak® Cone, White Trim Ring
	<b>42L CWH</b> 4" Downlight Cone Trim - Clear Alzak® Cone, White Trim Ring
	<b>42L HZWH</b> 4" Downlight Cone Trim - Haze Cone, White Trim Ring
	<b>42L PTSC</b> 4" Downlight Cone Trim - Pewter Alzak® Cone, Satin Chrome Trim Ring
	<b>42L WHZABZ</b> 4" Downlight Cone Trim - Wheat Haze Cone, Classic Aged Bronze Trim Ring
	<b>42L WHZWH</b> 4" Downlight Cone Trim - Wheat Haze Cone, White Trim Ring
	<b>42L WWH</b> 4" Downlight Cone Trim - Glass White Cone, White Trim Ring

Trim Size: 5" O.D.  
Alzak is a registered trademark of Alcoa Corp.  
Note: In Canada when insulation is present, Type IC fixtures must be used.

**Accessories (ordered separately)**

Catalog Number	Description
<b>CGF 200 MPINK</b>	Color Glass Filter - 2" Diameter - Medium Pink
<b>CGF 200 WRED</b>	Color Glass Filter - 2" Diameter - Warm Red
<b>CGF 200 DLTBLUE</b>	Color Glass Filter - 2" Diameter - Daylight Blue
<b>CGF 200 MBLU</b>	Color Glass Filter - 2" Diameter - Medium Blue
<b>CGF 200 MAMB</b>	Color Glass Filter - 2" Diameter - Medium Amber
<b>CGF 200 MGRN</b>	Color Glass Filter - 2" Diameter - Medium Green
<b>DGF 200 DRED</b>	Dichroic Glass Filter - 2" Diameter Red
<b>DGF 200 MGRN</b>	Dichroic Glass Filter - 2" Diameter Medium Green
<b>DGF 200 MBLU</b>	Dichroic Glass Filter - 2" Diameter Medium Blue
<b>DGF 200 DYEL</b>	Dichroic Glass Filter - 2" Diameter Yellow (Dichroic)
<b>DGF 200 MAGEN</b>	Dichroic Glass Filter - 2" Diameter Magenta
<b>DGF 200 CYAN</b>	Dichroic Glass Filter - 2" Diameter Cyan
<b>DCCF 200 HL4250</b>	Dichroic Color Correction Filter - 2" Diameter - Halogen - to - Daylight
<b>DIFF 200</b>	Diffusion Glass Lens - 2" Diameter
<b>UVF 200</b>	UV Filter Lens - 2" Diameter
<b>HCLBL 200</b>	Hexagonal Cell Louver - Black - 2" Diameter
<b>LSPREAD 200</b>	Linear Spread Glass Lens - 2" Diameter
<b>PRISM 200</b>	Prismatic Glass Lens - 2" Diameter
<b>TIR2 SPT</b>	TIR Optic - Spot
<b>TIR2 NFLD</b>	TIR Optic - Narrow Flood
<b>TIR2 FLD</b>	TIR Optic - Flood

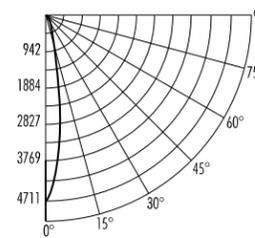
# 4" IC 700 LUMEN INTERNALLY ADJUSTABLE LED DOWNLIGHT NEW CONSTRUCTION

IC4AL (07M) RECESSED HOUSING

## DOWNLIGHT TRIMS

**PHOTOMETRICS**

**PHOTOMETRIC REPORT**  
Test Report#: PT09152801R  
Catalog No: IC4AL 07LM 35K 90CRI SP 120  
FRPC with 42L HZWH, Downlight Cone Haze Finish Trim and Spot Optic  
Luminaire Spacing Criteria: 0.30  
Luminaire LPW: 74



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	4711
5	3582
15	935
25	312
35	78
45	10
55	0
65	0
75	0
85	0
90	0

Multipliers:  
27K - 0.93 35K - 1.00  
30K - 0.96 40K - 1.03

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80%, Wall 50%, Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	55	50	46
5.0'	35	32	29
6.0'	24	22	20
7.0'	20	18	16
8.0'	16	14	13
9.0'	12	11	10
10.0'	9	8	7

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixture
0-30°	N/A	N/A	91.3
0-40°	765	N/A	98.5
0-60°	776	N/A	100.0
0-90°	776	N/A	100.0

**INITIAL FOOTCANDLES**

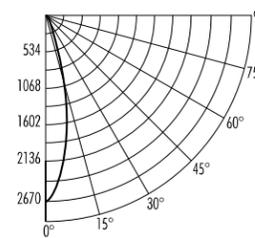
(One Unit, 10.5W, 16.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	294.4	1.2
6	130.9	1.8
8	73.6	2.4
10	47.1	3.0

**LUMINANCE (Average cd/m²)**

Degrees	Average 0° Luminance
45	2752
55	78
65	0
75	0
85	0

**PHOTOMETRIC REPORT**  
Test Report#: PT09152803R  
Catalog No: IC4AL 07LM 35K 90CRI NFL 120  
FRPC with 42L HZWH, Downlight Cone Haze Finish Trim and Narrow Flood Optic  
Luminaire Spacing Criteria: 0.46  
Luminaire LPW: 72



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	2670
5	2462
15	1110
25	314
35	85
45	18
55	1
65	0
75	0
85	0
90	0

Multipliers:  
27K - 0.93 35K - 1.00  
30K - 0.96 40K - 1.03

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80%, Wall 50%, Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	53	48	44
5.0'	34	30	28
6.0'	23	21	19
7.0'	19	17	16
8.0'	15	14	12
9.0'	11	10	10
10.0'	8	8	7

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixture
0-30°	675	N/A	89.5
0-40°	737	N/A	97.7
0-60°	754	N/A	100.0
0-90°	754	N/A	100.0

**INITIAL FOOTCANDLES**

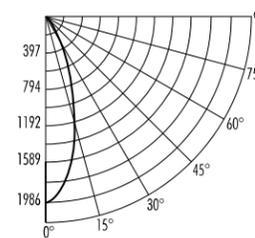
(One Unit, 10.5W, 27.0° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	166.9	1.9
6	74.2	2.9
8	41.7	3.8
10	26.7	4.8

**LUMINANCE (Average cd/m²)**

Degrees	Average 0° Luminance
45	4895
55	181
65	0
75	0
85	0

**PHOTOMETRIC REPORT**  
Test Report#: PT09152805R  
Catalog No: IC4AL 07LM 35K 90CRI FL 120  
FRPC with 42L HZWH, Downlight Cone Haze Finish Trim and Flood Optic  
Luminaire Spacing Criteria: 0.58  
Luminaire LPW: 79



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	1986
5	1894
15	1206
25	489
35	116
45	22
55	0
65	0
75	0
85	0
90	0

Multipliers:  
27K - 0.93 35K - 1.00  
30K - 0.96 40K - 1.03

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80%, Wall 50%, Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	58	52	47
5.0'	37	33	30
6.0'	26	23	21
7.0'	21	19	17
8.0'	17	15	13
9.0'	13	11	10
10.0'	9	8	7

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixture
0-30°	727	N/A	87.5
0-40°	810	N/A	97.4
0-60°	831	N/A	100.0
0-90°	831	N/A	100.0

**INITIAL FOOTCANDLES**

(One Unit, 10.5W, 35.0° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	124.1	2.5
6	55.2	3.8
8	31.0	5.0
10	19.9	6.3

**LUMINANCE (Average cd/m²)**

Degrees	Average 0° Luminance
45	5967
55	26
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.



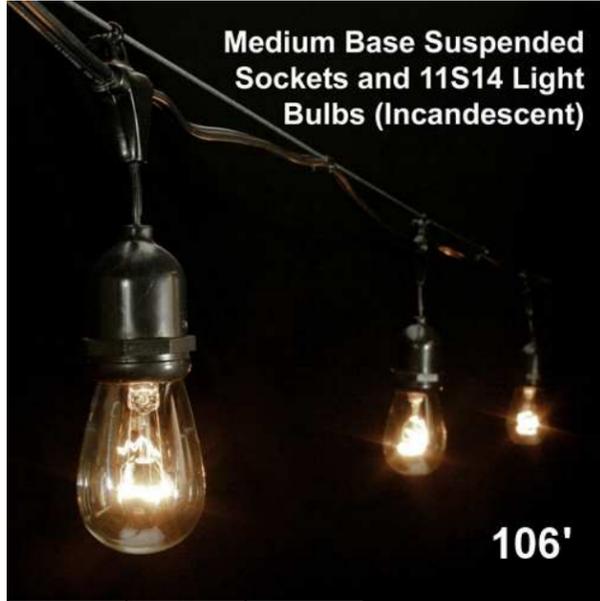
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- HOLIDAY C7/C9 BULBS
- HOLIDAY MINI LIGHTS
- C7 & C9 LIGHT STRINGS
- COMMERCIAL GRADE LIGHT STRINGS
- PARTY & EVENTS BULBS
- LIGHTING SETS/KITS
- ACCESSORIES
- WHOLESALE

Home / Commercial-Grade Heavy-Duty Outdoor Light String, 106 ft, Medium Base (E26) - 50 Suspended Sockets, Black Green or White - Pack of 1 or 4 String(s)



### Commercial-Grade Heavy-Duty Outdoor Light String, 106 ft, Medium Base (E26) - 50 Suspended Sockets, Black Green or White - Pack of 1 or 4 String(s)

*Pack of 1 or 4 String(s), Black, Green or White Wire, 106 Feet, 50 Suspended sockets (Medium Base/E27), 24" spacing, 16AWG, SPT-2, 1 Fused Male Plug*

SKU: **LSMS24102**

Starting From: \$200.00

**Wire Color**

Black

**Pack Size**

Choose an Option...

This is a required field.

**Qty**

1

ADD TO CART

- Google Bookmark
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- More

## Specifications Review(s)

BULB BASE	Medium Base (E26/E27)
NUMBER OF SOCKETS	50 Sockets
WIRE LENGTH	106 Feet
SOCKET SPACING	24 inches
GAUGE & INSULATION	16AWG & SPT-2
CERTIFICATION	UL Components
DIMENSIONS	6' Lead, 24" Spacing
WIRE TYPE	String (1 fused male plug)
SOCKET TYPE	Suspended Sockets
MAXIMUM RUN	960W (8 Amps)

MAX WATTAGE PER SOCKET	Recommended: 15W   Do Not Exceed 25W
VOLTAGE	120V
PLEASE NOTE	Bulbs Sold Separately
COMPATIBLE LED BULBS	<a href="#">LED - Medium Base (E27) Bulbs</a>
COMPATIBLE INCANDESCENT BULBS	<a href="#">Incandescent - Medium Base (E27) Bulbs</a>

## Description

Designed for year-round, outdoor use or temporary use requiring constant installations and take downs.

- Heavy-duty 16AWG SPT-2 wire is robust enough for commercial use, but light enough for easy installation (about 1/2 the weight of cumbersome 14AWG wire)
- PVC encapsulated weather-resistant sockets with brass contacts are resistant to UV sunlight exposure
- Sockets are designed to ensure a snug, weather-resistant seal around lamp bases
- Recommended maximum wattage per medium base socket: 15 Watts; do not go above 25W per socket
- Suspended sockets drop a few inches down from the main wire (~4"), and allows for cables to be attached to the eyelets using zip ties or other similar accessories. The eyelet is perpendicular to the main wire.
- Maximum run per circuit: 960 Watts (8 Amps)
- 120V
- Includes a 6 ft. lead from the male plug to the first socket
- 2-prong fused 8 Amp plug
- Not UL listed, wire and plug are UL Components
- **Light bulbs sold separately; Compatible bulbs can be found here**
- Not end-to-end connectable
- Compatible with any of our medium base light bulbs (E26 or E27)
- For spans longer than 25 feet, use a steel cable (guy wire, aircraft cable) and zip ties for additional support

You may also be interested in the following product(s):

Galvanized Steel Cable (Guy Wire), 1/16" Diameter - 30', 60', 110' or 350' - Pack of 1 or 10 String(s)

Starting From: \$26.00

### CATEGORIES

- Christmas Lighting
- Party, Wedding, & Backyard Lighting
- Outdoor Light Strings
- Lighting Sets/Kits

### CUSTOMER SERVICE

- Wholesale Ordering Policies
- Shipping
- Returns
- Privacy Policy

### INFORMATION

- Contact Us
- About Us
- FAQs & General Product Info
- Blog



# S9174

1.4W S14/CL/LED/120V/CD  
1.4 watt LED; S14; Clear; 2700K; Medium base; 120 volts

- Features
- Solid State LED lighting
  - Specialty & Indicator lamp
  - Long life
  - Carded
  - Wet location



S9174

Item Number	UPC	Voltage	Watts	Lamp Shape	Base	ANSI Base	Lamp Code
S9174	045923091742	120	1.4	S14	Medium	E26	1.4W S14/CL/LED/120V/CD
Dimmable/Non-Dimmable	Finish	MOL In Inches	MOD In Inches	Initial Lumens	Average Rated Hours	Kelvin Temp	Color
Non-Dimmable	Clear	3-5/16"	1.77"	36	25000	2700	Warm White
CRI	Beam Spread Deg	Pack	Package Type	CEC Status	RoHS Compliant	UL or ETL Listed	UL Classification
80	360	12/48	CD/1	Lawful for sale in California	Yes	Yes	cULus - Wet Location Rated
Warranty							
3 Year Limited							



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Compliant friction clip retention allows fitment into nearly 100% of installed cans. The LED module maintains at least 70% light output for 50,000 hours.

**CONSTRUCTION** — Aluminum spun reflector with deep baffle configuration for reduced glare. Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

Baffle and open trim inserts are available in multiple finishes.

**OPTICS** — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 Lamp.

Wide flood beam angle at > 45°.

**ELECTRICAL** — Center 2 Edge™ (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 10%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

P Series' patent pending driver has zero inrush which allows power loads to be calculated with actual rated wattages.

Example: 53 units of 4BPMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/11.2W = 53.5 fixtures.

Standard input wattage is 11.2 watts or less; equivalent to 65-watt incandescent.

**INSTALLATION** — Suitable for installation in standard height rough-in sections.

E26 socket adaptor (except in the state of California on 4BP fixtures) and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance.

Friction clips allow fitment into cans with an inside diameter of 4.0" to 4.5".

**LISTINGS** — CSA certified to US and Canadian safety standards. California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings).

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

**PATENTS PENDING.**

Catalog Number
Notes
Type



LED Recessed Downlighting

# 4BP/40P

4" LED Module

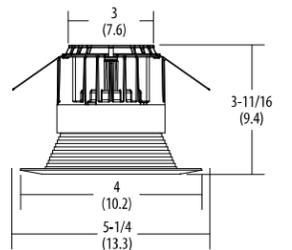
IC/Non-IC  
Retrofit



E26 adaptor



Splice kit (included)



### Specifications

Aperture: 4.0 (10.2)

Ceiling opening: Determined by rough-in

Overlap trim: 5-1/4 (13.3)

Height: 3-11/16 (9.4)

All dimensions are inches (centimeters) unless otherwise indicated.

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** 4BP TRMW LED 27K 90CRI

Series/Finish	Lamp	CCT / CRI / W / Lumens <sup>1</sup>	Voltage	Options
4BPMW	4" Baffle LED module, matte white	(blank) 3000 K / 83CRI / 10.6W / 620L	(blank) 120V	L3LED T24 New construction rough-in LED base
4BP TRMW	4" Baffle LED module, black baffle, matte white flange	27K 90CRI 2700 K / 93CRI / 11.2W / 600L		L3RLED T24 Remodel rough-in LED base
4BPBN	4" Baffle LED module, brushed nickel	30K 90CRI 3000 K / 93CRI / 11.2W / 600L		L3 New construction rough-in <sup>2</sup>
4BPORB	4" Baffle LED module, oil-rubbed bronze	40K 90CRI 4000K/95CRI/11.2W/650L		L3R Remodel rough-in <sup>2</sup>
				L/SKTWHIP No E26 Adapter (CA only) <sup>3</sup>
4OPA	4" Open LED module, clear diffuse	(blank) 3000 K / 83CRI / 10.6W / 620L	(blank) 120V	L3LED T24 New construction rough-in LED base
4OPAZ	4" Open LED module, clear specular	27K 90CRI 2700 K / 93CRI / 11.2W / 600L		L3RLED T24 Remodel rough-in LED base
4OPA TRMW	4" Open LED module, clear diffuse, matte white flange	30K 90CRI 3000 K / 93CRI / 11.2W / 600L		L3 New construction rough-in <sup>2</sup>
4OPAZ TRMW	4" Open LED module, clear specular, matte white flange	40K 90CRI 4000K/95CRI/11.2W/650L		L3R Remodel rough-in <sup>2</sup>

### TRIM INSERTS (for field configuration; ordered separately)

**Example:** 4BPBN R12

Series/Finish	Trim Insert	Series/Finish	Trim Insert	Packaging
4BP TRMW	4" Baffle black, matte white flange insert	4OPAZ	4" Open clear specular insert	R12 Retail pack of 12 units
4BPBN	4" Baffle brush nickel insert	4OPA TRMW	4" Open clear diffuse, matte white flange insert	U Unit
4BPORB	4" Baffle oil-rubbed bronze insert	4OPAZ TRMW	4" Open clear specular, matte white flange insert	
4OPA	4" Open clear diffuse insert			

### Notes

- 1 Total system delivered lumens.
- 2 Must be ordered on a separate line.
- 3 This option must be selected for product shipping to California.

Accessories: Order as separate catalog number.
RK1 CG52178 E26 ADAPTER/MALE PLUG BAL DISC ASM E26 Adapter

See trim inserts on page 2.

# 4" LED Module

## TRIM INSERTS



Black Baffle with Matte White Trim Ring (TRMW)

Brushed Nickel Baffle (BN)

Oil-rubbed Bronze Baffle (ORB)



Clear Diffuse with Matte White Trim Ring (A TRMW)

Clear Diffuse (A)

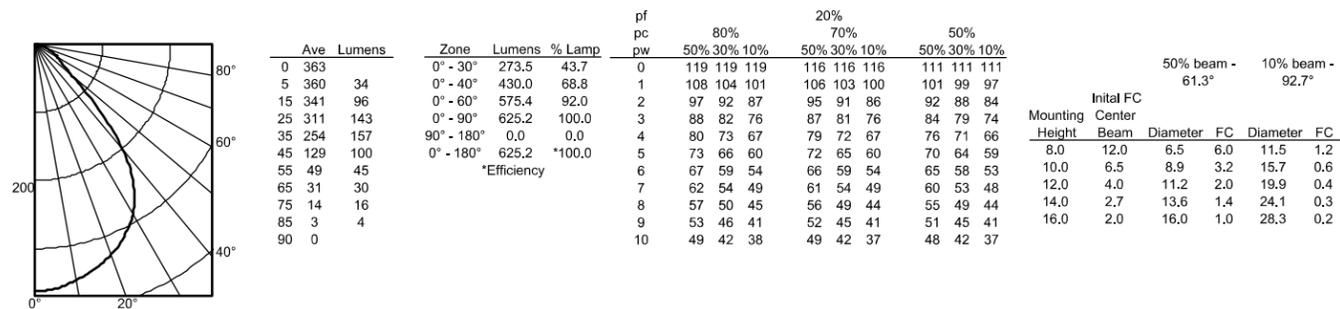
Clear Specular with Matte White Trim Ring (AZ TRMW)

Clear Specular (AZ)

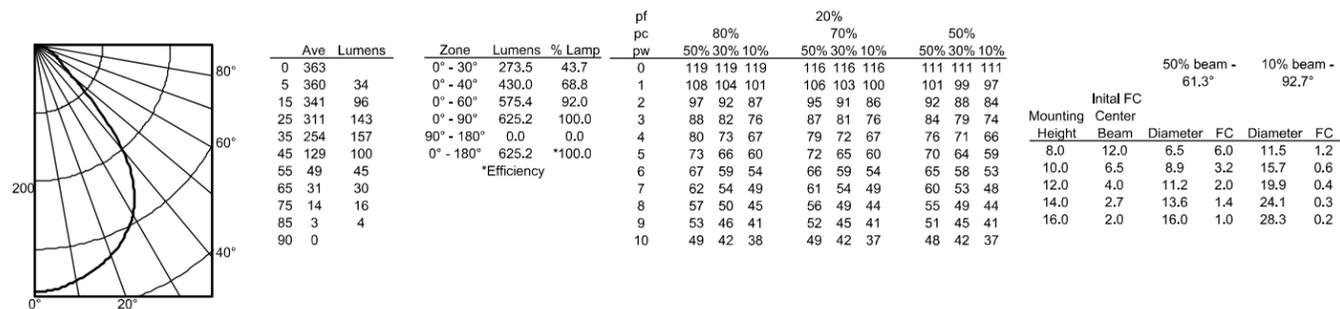
## PHOTOMETRICS

**Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire**

**4BPMW LED 80CRI, 3000 K LEDs, input watts: 11.16, delivered lumens: 625, LM/W= 56, test no. LTL 23665, tested in accordance with IESNA LM 79-08**



**4BPMW LED 90CRI, 3000 K LEDs, input watts: 11.16, delivered lumens: 625, LM/W= 56, test no. LTL 23665P, tested in accordance with IESNA LM 79-08**



# 4" LED Module

## LIGHTING FACTS

**Lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens) **600**  
Watts **11.3**  
Lumens per Watt (Efficacy) **53**

Color Accuracy  
Color Rendering Index (CRI) **92**

Light Color  
Correlated Color Temperature (CCT) **2700 (Warm White)**

Registration Number: JB22-4AAAR (2/27/2014)  
Model Number: 4BPMW LED 27K 90CRI  
Type: Retrofit Kit - Downlight

**Lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens) **600**  
Watts **11.3**  
Lumens per Watt (Efficacy) **53**

Color Accuracy  
Color Rendering Index (CRI) **93**

Light Color  
Correlated Color Temperature (CCT) **3000 (Bright White)**

Registration Number: JB22-4WFK1 (2/27/2014)  
Model Number: 4BPMW LED 30K 90CRI  
Type: Retrofit Kit - Downlight

**Lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens) **650**  
Watts **11.2**  
Lumens per Watt (Efficacy) **58**

Color Accuracy  
Color Rendering Index (CRI) **95**

Light Color  
Correlated Color Temperature (CCT) **4000 (Bright White)**

Registration Number: NJSM-FNPGT3 (8/6/2014)  
Model Number: 4BPMW LED 40K 90CRI  
Type: Luminaire - Downlight

**Lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens) **620**  
Watts **10.6**  
Lumens per Watt (Efficacy) **58**

Color Accuracy  
Color Rendering Index (CRI) **86**

Light Color  
Correlated Color Temperature (CCT) **3000 (Bright White)**

Warranty\*\* **Yes**

Registration Number: JB22-KNBSSG (8/6/2013)  
Model Number: 4BP (Revised 07-25-13)  
Type: Recessed downlight

## ADDITIONAL DATA

	ENERGY DATA* - 600 Lumens	
	CRI - 83	CRI - 93
Lumens	620	600
Min. starting temp	-18°C (0°F)	-18°C (0°F)
Max. temp	46°C (115°F)	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards	A standards
Input voltage	120V	120V
Min. power factor	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz
Rated wattage	10.6W	11.2W
Input power	10.6W	11.2W
Input current	.11A	.09A

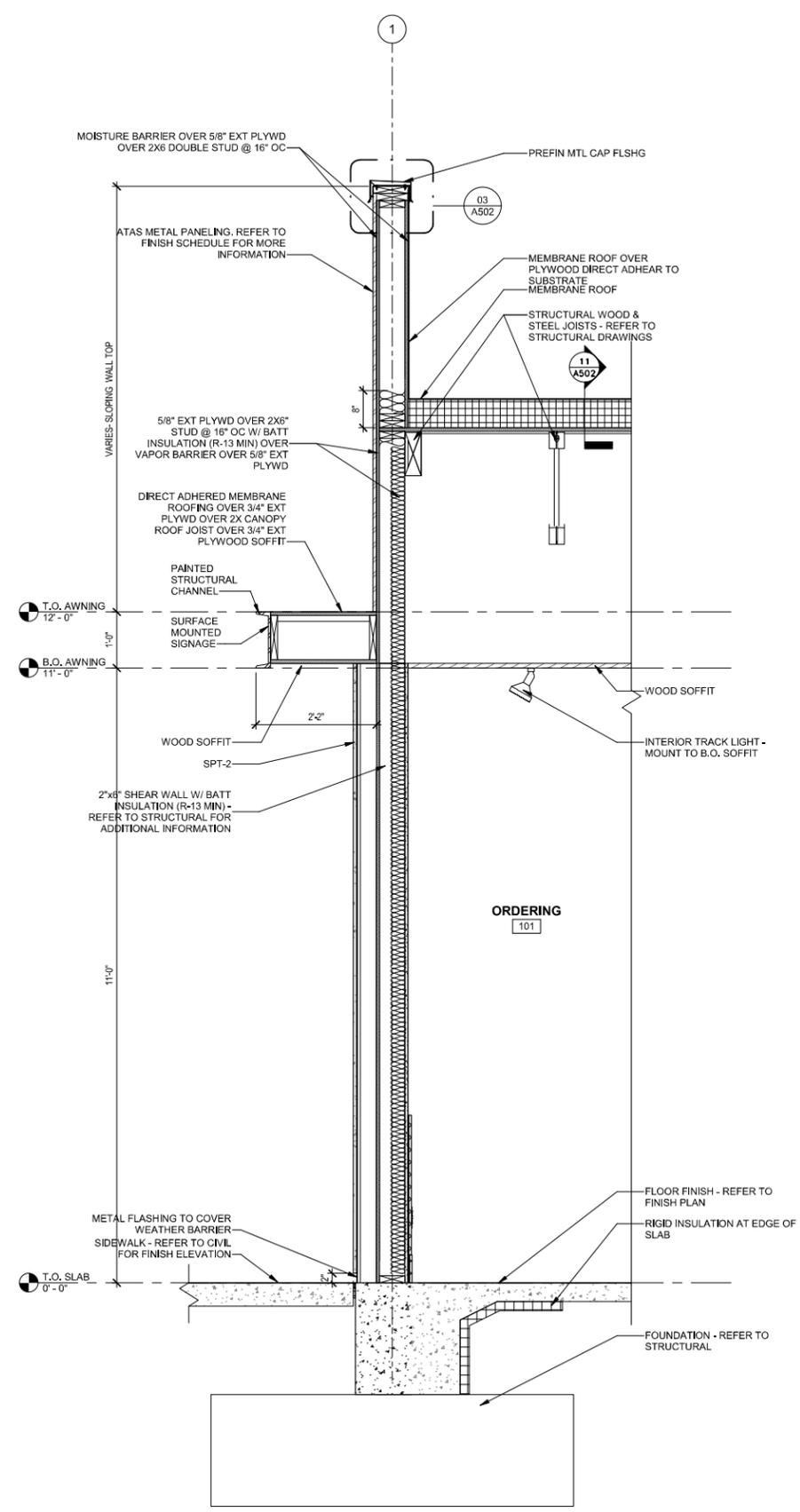
\*Values at non-dimming line voltage.

Trim finish	Lumen multiplier
Matte White	1.00 (Baseline)
Clear Diffuse	0.99
Clear Specular	0.99
Brushed Nickel	0.83
Black Baffle	0.76
Oil Rubbed Bronze	0.78

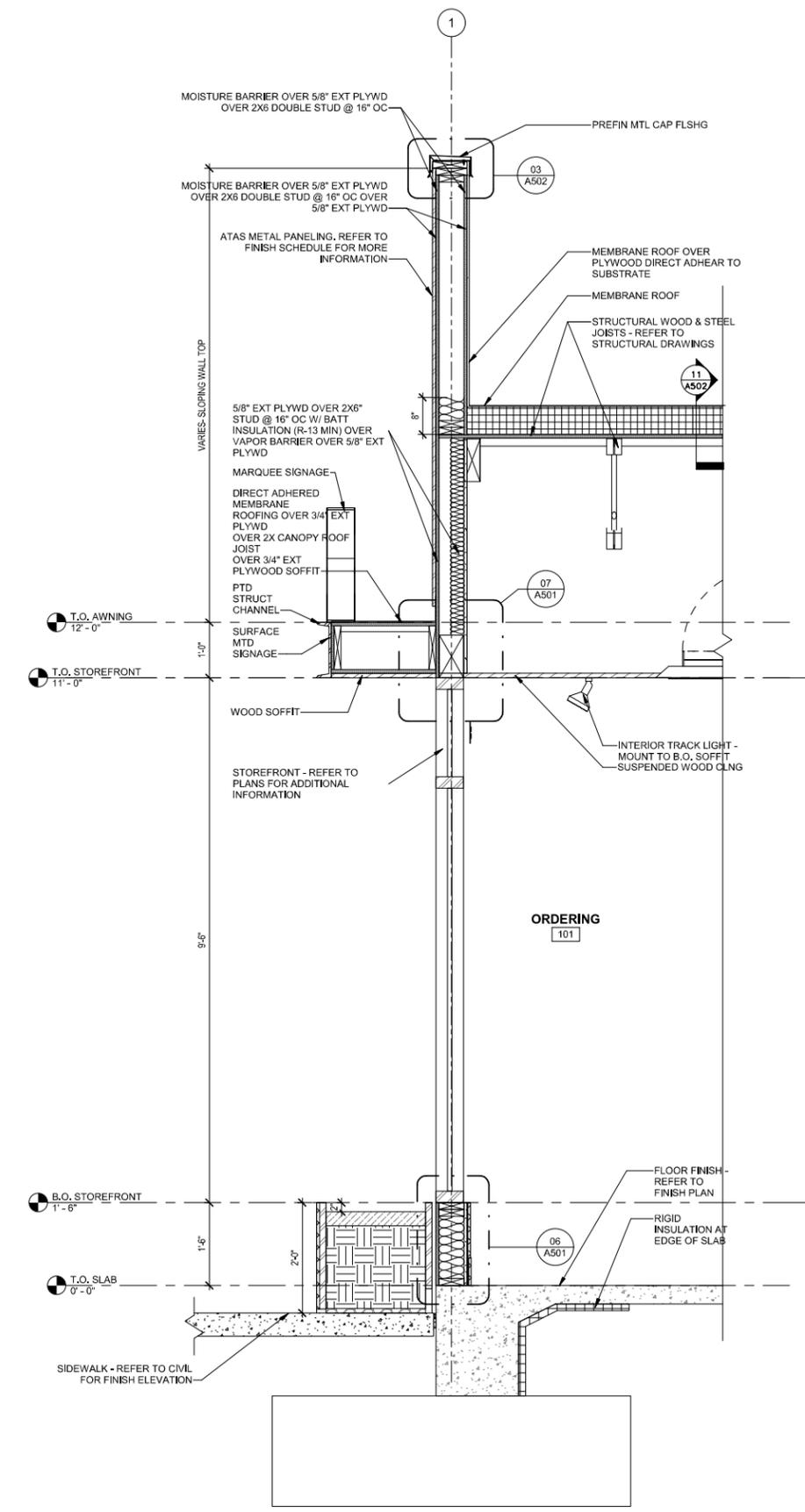
Color temperature	Lumen multiplier
2700K	0.97
3000K	1.00 (Baseline)
4000K	1.08

submission:	Date
OWNER/LL REVIEW	04/16/2019
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	05/31/2019

Description	Date



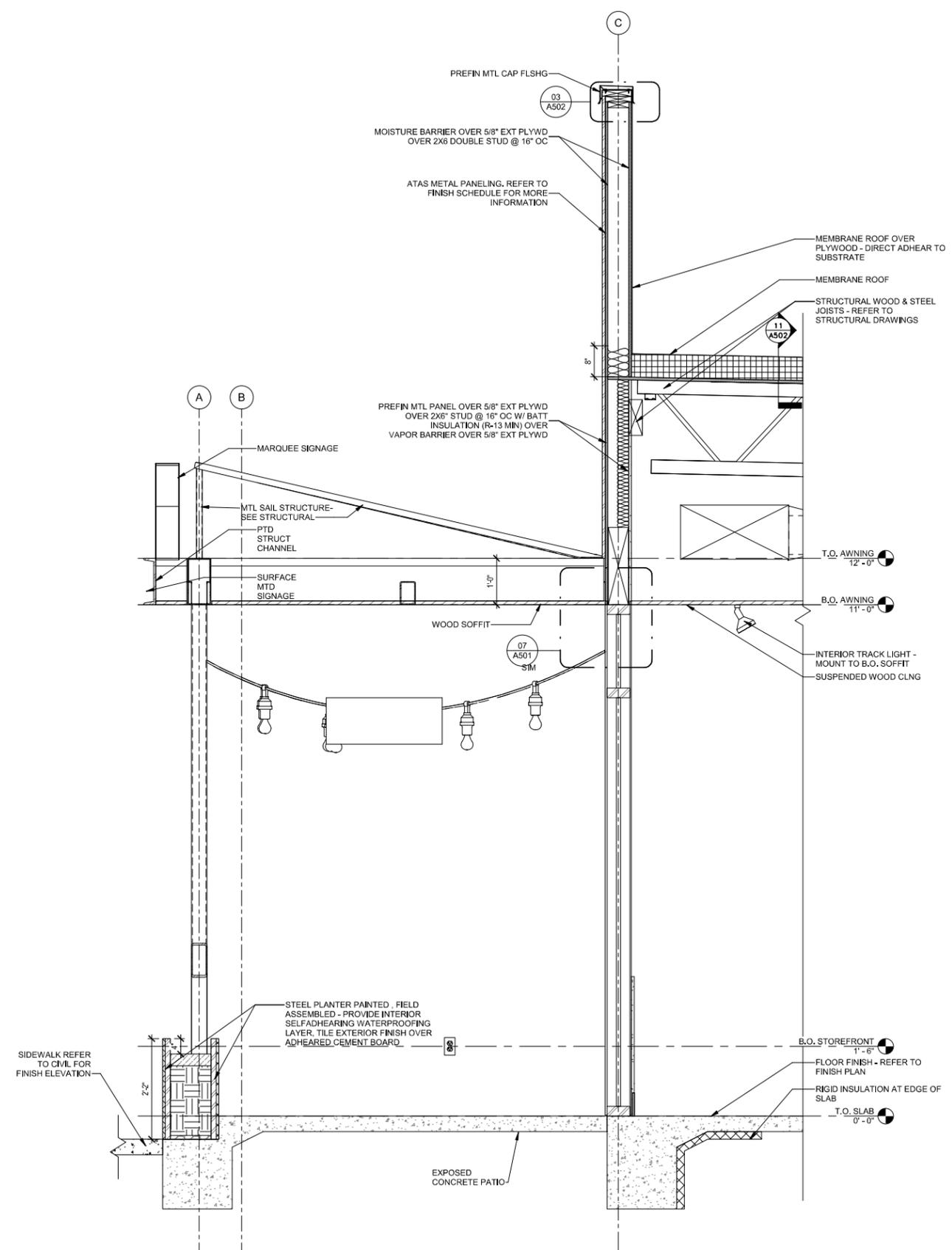
**01 section @ shear wall**  
SCALE | NTS



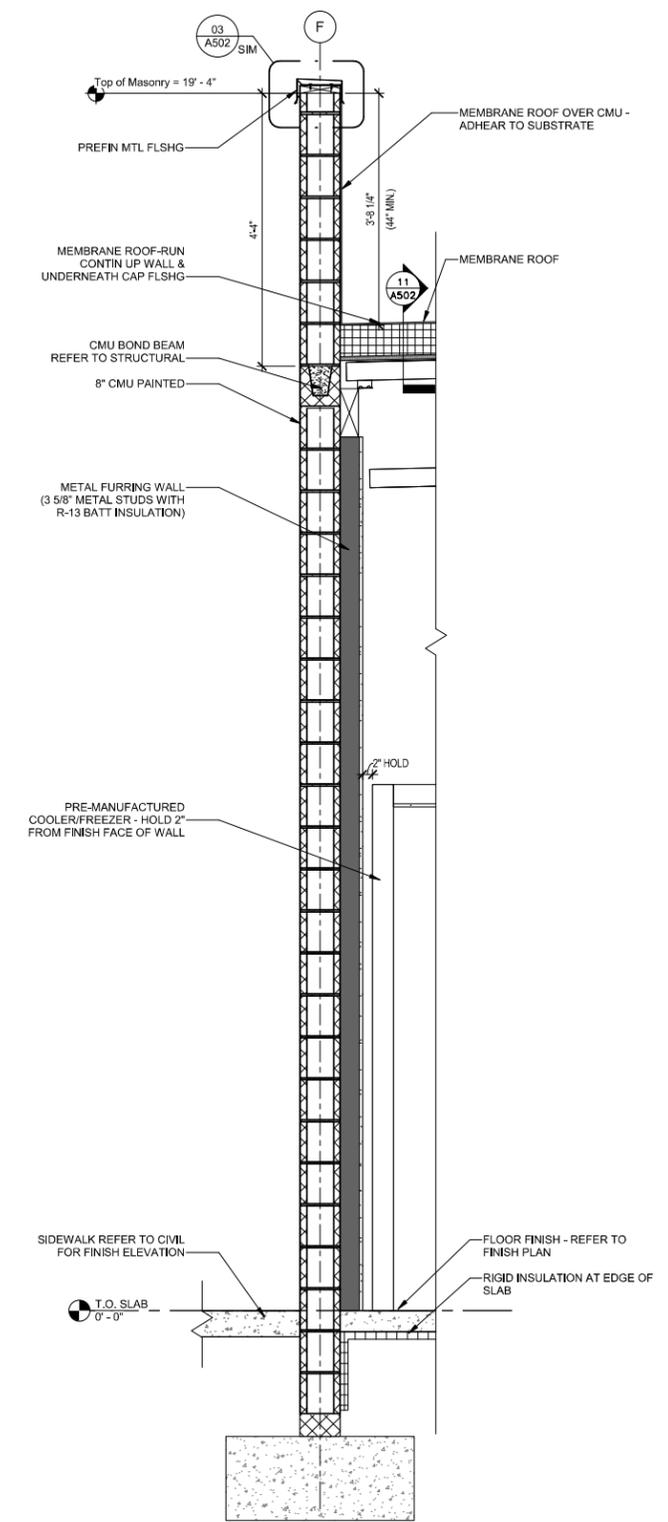
**02 section @ storefront**  
SCALE | NTS

submission:	Date
OWNER/LL REVIEW	04/16/2019
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	05/31/2019

Description	Date
-------------	------



**01** Section @ Storefront  
SCALE | NTS

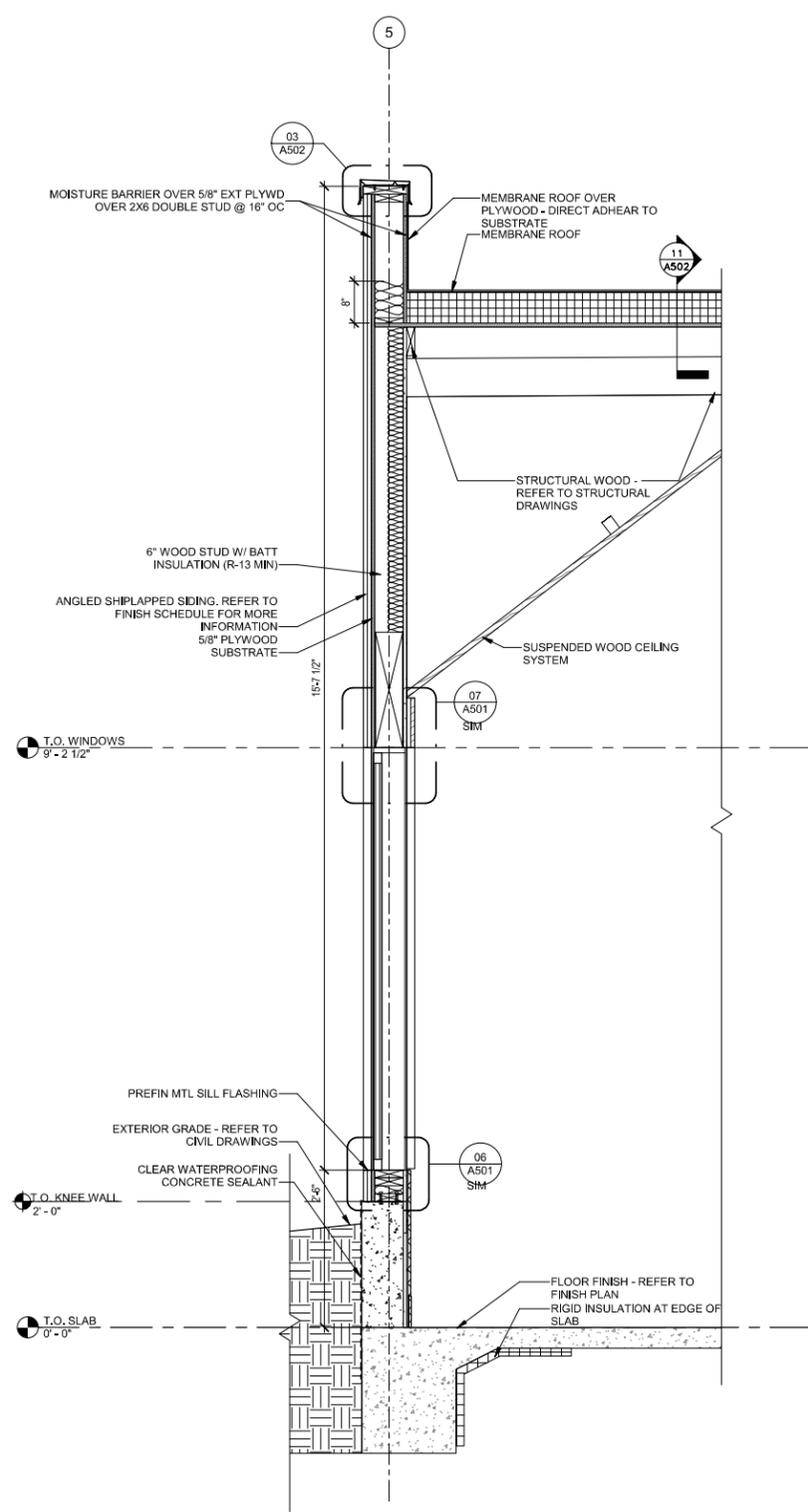


**02** Section @ Front Shear Wall  
SCALE | NTS

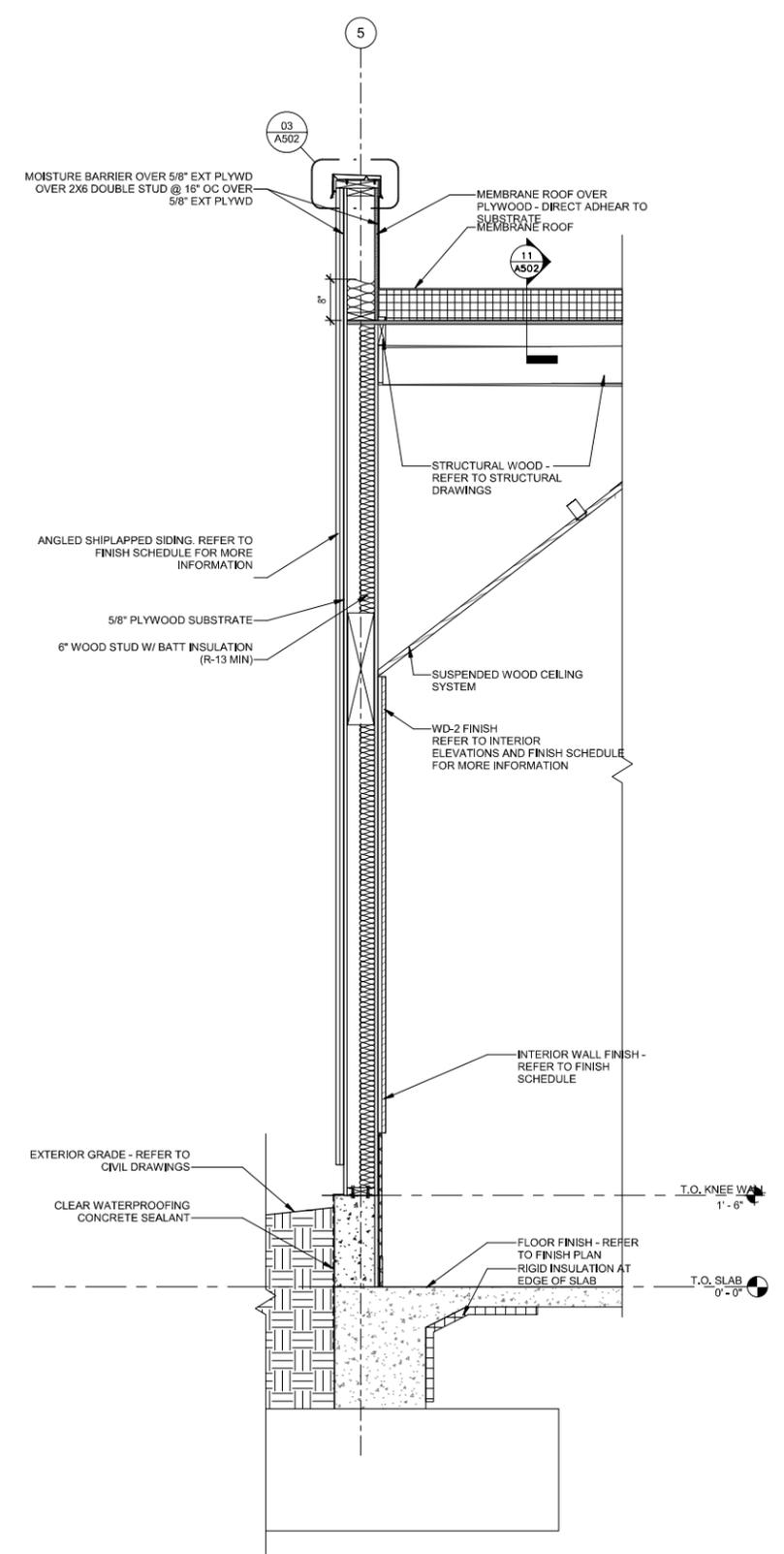
submission:	Date
OWNER/LL REVIEW	04/16/2019
BD SET	05/09/2019
PERMIT SET	05/31/2019
IFC SET	05/31/2019

Description	Date

electrical  
mechanical  
plumbing  
equipment  
architectural  
structural  
landscape  
civil



**01** section @ storefront wall  
SCALE | NTS



**02** section @ concrete stem wall  
SCALE | NTS

# notes

1. Parkway Declarations:
  - a. "All existing sprinklers and spray heads shall be removed in the parkway."
  - b. "The installation of new sprinkler irrigation systems are prohibited in the parkway."
  - c. "The installation of any irrigation system in the parkway shall not damage the roots of the street tree."
  - d. "No mulch shall be applied within six inches (6") of the base of a street tree."
  - e. "No plant material shall be installed within twenty-four (24") inches of the base of a street tree."
  - f. "The property owner adjacent to the parkway assumes liability for any improvements to the parkway area."
  
2. General Notations:
  - a. "An open-trench inspection by City staff is required prior to covering below grade pipes, laterals, and mains. The designer of the landscape, or their designee, and general contractor, or their designee, performing the installation must be present at the open-trench inspection. For open-trench inspections, call the Office of Sustainability and the Environment at (310) 458-8405."
  - b. "Prior to final Inspection installer shall test the irrigation system to verify that it meets the approved design and specifications."
  - c. "Prior to final Inspection installer must program the irrigation controller."
  - d. "A final inspection by City staff is required prior to Certificate of Occupancy to ensure that the system was built to approved plans and specifications. For final inspections, call the Office of Sustainability and the Environment at (310) 458-8405. The following items will be required at final inspection prior to the issuance of a Certificate of Occupancy:
    - i. Post-installation soil test results which must contain the percentage (%) of organic matter; may also include but is not limited to soil texture; infiltration rate or soil texture infiltration rate table; pH; total soluble salts; sodium; and recommendations determined by laboratory test. Exception: Landscapes contained entirely in planters or containers are exempt from this requirement.
    - ii. A detailed irrigation controller map must be installed inside or near the irrigation controller with at minimum a description for each zone including: plant material, watering device, valve or station number, run time for peak demand month and precipitation rate.
    - iii. Irrigation schedules including establishment period start and end dates, must be posted inside the irrigation controller housing unit by the installer."
  - e. "Electronic submission of an As-Built set of plans to the City is required if requested by City inspector."
  - f. "Prior to construction of landscaped area or irrigation, the contractor must obtain and review a copy of the Water-Efficient Landscape and Irrigation Standards."
  - g. "All landscaping and irrigation systems must comply with all local, state, and federal laws and regulations."
  - h. "The irrigation system must comply with all local, state, and federal laws and regulations."
  - i. "The irrigation designer or landscape architect or landscape designer shall perform one or more site observations during system installation to check for adherence to the design, including that the proper installation of the backflow prevention assembly, main line, laterals, valves, sprinkler heads, drip irrigation equipment, control wire, controllers, and sensors meets the intent of the irrigation design plan as designed and approved."
  
3. Construction Notations:
  - a. "Areas designated as mulch on approved landscape plans, including areas covered by wood chips, gravel, stone, decomposed granite, and areas designated as artificial turf on approved landscape plans cannot be replaced with turfgrass or high water use plants as defined in ANSI/ASABE S623.1, once mulch or artificial turf has been installed."
  
4. Landscape Notations:
  - a. "Turfgrass, including existing plant material, is not allowed on slopes greater than twenty-five percent (25%) where the toe of the slope is adjacent to an impermeable hardscape and where twenty-five percent (25%) means one foot (1') of vertical elevation change for every four feet (4") of horizontal length (rise divided by run x 100 = slope %)."
  - b. "Plant material categorized as 'High' in the current Invasive Plant Inventory for the southwest region by the California Invasive Plant Council or listed for the South Coast region by the PlantRight organization are prohibited, including existing plant material, except for known non-fruiting, non-invasive, sterile varieties, cultivars or selections. Plants listed as noxious weeds by the California Dept. of Food & Agriculture are prohibited."



SANTA MONICA  
STORE #1270

501 WILSHIRE BLVD.  
SANTA MONICA, CA 90401

### STANDARD TREE PROTECTION ZONE GUIDELINES

1. Trees within the public right-of-way may not be removed for any reason and are to be protected from injury or damage during construction. This tree is a significant tree in the City of Santa Monica. Pruning shall only be done by Community Forest Operations staff to provide clearance for construction activities. Questions regarding street trees may be directed to the Community Forester at (310) 458 - 8974.
2. The typical TPZ should encompass the canopy plus an additional radial width of ten feet (10'). However, since these conditions are unique, the application should be evaluated with the final limits of the TPZ being established by the Community Forester.
3. Mulch the entire area of the TPZ in an effort to improve the growing environment for the roots. During construction phase maintain a four to six inch layer of chip mulch over the soil surface to reduce soil compaction, improve aeration, enhance moisture retention and reduce temperature extremes. Mulch generally consists of shredded leaves or bark, pine straw, peat moss, wood chips or composted greenwaste.
4. Fence the TPZ with a six foot (6') high chain link fence to prevent wounds to the tree and soil compaction within the root zone. Post the fence with a sign stating: "TREE PROTECTION ZONE - KEEP OUT".
5. Should it be necessary to trench within the TPZ all trenches shall be hand dug. No roots larger than two inches (2") shall be cut unless no other alternative is feasible. All smaller roots that require cutting shall be cut with pruning saws. Cuts shall be made flush with the side of the trench. If at any time twenty-five percent (25%) of the area within the TPZ is being separated from the tree by a trench, then the line shall be either relocated or installed by boring.
6. Removal of hardscape and/or excavation within the TPZ shall be done manually.
7. The minimum distance between an open trench and any tree shall be between six inches (6") to one foot (1') for every inch of trunk diameter measured at four and a half feet (4 1/2') above existing grade, depending on the species of tree. Minimum clearance shall be ten feet (10') from the trunk of the tree.
8. In the event root pruning is required to accommodate grade changes or the installation of hardscape features the root pruning procedures shall be directed by Community Forest Operations staff.
9. At no time shall any equipment, materials, supplies or fill soil be allowed in the TPZ unless necessary.
10. Prune and fertilize the trees after the completion of all exterior work on the building and at the beginning of the landscape phase.
11. Prior to the commencement of your project contact the City's Planning Arborist at (310) 458-8974 to determine the precise requirements of the TPZ.

# drawing index

sheet no.	sheet name	last revision	date
<b>civil</b>			
L1.00	LANDSCAPE COVER SHEET AND INDEX	1	12/06/2019
L1.01	LANDSCAPE PLAN	1	12/06/2019
L1.02	LANDSCAPE DETAILS		
L1.03	IRRIGATION PLAN	1	12/06/2019
L1.04	IRRIGATION DETAILS		
L1.05	LANDSCAPE ELEVATIONS	1	12/06/2019

# project contacts

LANDSCAPE ARCHITECT  
WD PARTNERS  
7007 DISCOVERY BLVD  
DUBLIN, OHIO 43017  
TEL: 614.634.7126  
CONTACT: BRIAN D. FRIDENMAKER, P.L.A.  
EMAIL: brian.fridenmaker@wdpartners.com

LANDLORD  
ISAACS REALTY, LLC  
218 SOUTH BEDFORD DRIVE  
BEVERLY HILLS, CA 90212  
TEL: 310.203.9432  
CONTACT: JOAN ISAACS

LESSEE  
SHAKE SHACK  
225 VARICK STREET, SUITE 301  
NEW YORK, NY 10014  
TEL: 646.747.3439  
CONTACT: MARY BOMBA

architect + engineer



7007 DISCOVERY BLVD  
DUBLIN, OH 43017  
614.634.7000 T

WDPARTNERS.COM

project no. | SSHCS0025

OWNER



project info

SANTA MONICA  
501 WILSHIRE BLVD.  
SANTA MONICA, CA 90401

issue dates

submission:	Date
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	

revisions:	Date
1 AHJ COMMENTS	12/06/2019

designed by: B. FRIDENMAKER  
checked by: B. FRIDENMAKER

seal

sheet info

LANDSCAPE COVER  
SHEET AND INDEX

L1.00

submission:	Date
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	

revisions:	Date
1 AHJ COMMENTS	12/06/2019

designed by: B. FRIDENMAKER  
checked by: B. FRIDENMAKER

seal

# Landscape Water Demand Calculator

Commercial (CO) Properties



**Instructions:** Complete and submit this calculator to verify your project's compliance with the City of Santa Monica's Water-Efficient Landscape and Irrigation Standards (WELIS).

- Fill in the **blue fields** below. The information must match the data on your landscape plan set documents.
- Once complete, save this worksheet as a PDF.
- Upload the PDF into your project's Supporting Docs folder in the City's Electronic Plan Review system (aka ProjectDox).
- Use the Total Landscape Water Demand value from this calculator in your Water Neutrality Calculator (if required).

## Applicant Information

Applicant Name	Mary Bomba, Shake Shake, 225 Varick Street, Suite 301, New York, NY 10014
Applicant Email	mbomba@shakeshack.com
Applicant Phone Number	646-747-3439
Today's Date	8/8/2019

## Project Information

Permit Application Number	19BLD-2266
Project Description	Shake Shack
Water Account Number(s)	Isaacs Realty Account #40004-6
Street Address	501 Wilshire Blvd.
City, State	Santa Monica, CA
Zip Code	90401

## Step 1: Determine the Plantable Landscape Area (PLA)

Enter the total square footage of the planting areas, including green roofs, planters and permeable hardscape areas. Percentages of plant material specified in Step 2 below are based on this area.

Planting Areas	Area (sq. ft.)
Parcel Size	7500.0 sq. ft.
Building Footprints (combined area of all)	3868.0 sq. ft.
Impermeable Hardscape (new and remaining)	2639.0 sq. ft.
Green Roof and Planters (over impermeable hardscape)	0.0 sq. ft.
Water Features (if none, skip to Step 2)	Surface Area (sq. ft.)
Pool	
Spa	
Fountain / water feature (if using potable water, area must be ≤ 25 sq. ft.)	
Pond	
<b>Water Features - Surface Area Subtotal</b>	0.0 sq. ft.
<b>Total Plantable Landscape Area (PLA) →</b>	<b>993.0 sq. ft.</b>

## Step 2: Determine the Percentages of Plant Material

Based on the Plantable Landscape Area (PLA from Step 1 above) and ANSI/ASABE S623.1.

Plant percentage restrictions for Commercial (CO) properties:

- **0% combined maximum for High Water Using plants**  
Turfgrass, Annual Flowers, Bedding Plants
- **30% combined maximum for Medium Water Using plants**  
Trees, Shrubs, Vines, Groundcovers, Hedges, Herbaceous Perennials

Note: Desert Adapted, Vegetables, Fruit Trees and plants watered with alternative water sources do not have plant percentage restrictions

Plant Type (Refer to the Plant Legend on the Landscape Planting Plan)	Planted Area (sq. ft.)	% of PLA	%Totals on Restricted Plants Medium Water Using
Restricted Medium Water Using	Trees, Shrubs, Vines, Groundcovers, Hedges	141.0 sq. ft	14.2% →
	Herbaceous Perennials	0.0 sq. ft.	0.0% →
Desert Adapted Plants	852.0 sq. ft.	85.8%	14.2% (30% max)
Deciduous Fruit Trees	0.0 sq. ft.	0.0%	
Evergreen Fruit Trees	0.0 sq. ft.	0.0%	
Vegetables crops	0.0 sq. ft.	0.0%	
Plants irrigated with alternative water source (non-potable)	0.0 sq. ft.	0.0%	
<b>Subtotals</b>	<b>993.0 sq. ft.</b>	<b>100.0%</b>	
Notes	993 sq. ft. max (PLA from Step 1)	100% max	
Area Totals			
Planted Area (from table above)		993.0 sq. ft.	
Permeable Hardscape Areas		0.0 sq. ft.	
<b>Total Plantable Landscape Area, PLA (Planting Area + Permeable Hardscape Areas)</b>		<b>993.0 sq. ft.</b>	

## Step 3: Landscape Water Demand

Table is auto-calculated from Step 2 above.

Plant Type	Potable Water Demand
Tree, Shrubs, Vines, Groundcovers, Hedges	2358.0 gal/yr
Herbaceous Perennials	
Desert Adapted Plants	7447.7 gal/yr
Deciduous Fruit Trees	
Evergreen Fruit Trees	
Vegetables crops	
<b>Total Landscape Water Demand →</b>	<b>9,805.8 gal/yr</b>

\*\*\* End of calculator \*\*\*

# PLANTING SCHEDULE

SYMBOL	KEY	QTY.	BOTANICAL NAME COMMON NAME	SIZE CONDITION	COMMENTS/WATER USE/PLANT FACTOR (PF)	PLANT TYPE ANSI/ASABE S623.1
	PG	1	PROSOPIS GLANDULOSA 'MAVERICK' THORNLESS HONEY MESQUITE	1" CAL #15 CONT	SEE TREE PLANTING DETAIL LOW WATER USE: PF=0.3	*DESERT ADAPTED
	BE	5	BRAHEA EDULIS GUADALUPE PALM	10" BTH MIN. 24" BOX	INSTALL PER CITY OF SANTA MONICA STANDARD PALM TREE PLANTING DETAIL LOW WATER USE: PF=0.5	TREE
	WF	106	WESTRINGIA FRUTICOSA 'BLUE GEM' BLUE GEM COAST ROSEMARY	#1 CONT	SEE PLANTER DETAIL (TYPICAL) LOW WATER USE: PF=0.3	*DESERT ADAPTED
	KH	31	KALANCHOE LUCIAE 'DESERT ROSE' DESERT ROSE PADDLE PLANT	#1 CONT	LOW WATER USE: PF=0.3	*DESERT ADAPTED
	AA	60	AEONILUM ARBOREUM LIGHT GREEN AEAONILUM	#1 CONT	LOW WATER USE: PF=0.3	*DESERT ADAPTED
	SS	28	SALVIA SPATHACEA HUMMINGBIRD SAGE	#1 CONT	LOW WATER USE: PF=0.3	*DESERT ADAPTED
	SG	11	SALVIA GREGGII 'NAVAJO ROSE' NAVAJO ROSE AUTUMN SAGE	#1 CONT	LOW WATER USE: PF=0.3	*DESERT ADAPTED
	HP	13	HESPERALOE PARVIFLORA RED YUCCA	#5 CONT	SEE SHRUB PLANTING DETAIL (TYPICAL) VERY LOW WATER USE: PF=0.3	*DESERT ADAPTED
	LF	9	LEUCOPHYLLUM FRUTESCENS GREEN CLOUD TEXAS SAGE	#5 CONT	LOW WATER USE: PF=0.3	*DESERT ADAPTED
	MR	8	MUHLENBERGIA RIGENS DEER GRASS	#5 CONT	LOW WATER USE: PF=0.3	*DESERT ADAPTED
	FP	6	FICUS PUMILA CREEPING FIG	#1 CONT	TRAIN VINE ON WALL WITH NURSERY TRELLE MODERATE WATER USE: PF=0.5	*DESERT ADAPTED
	RO	44	ROSMARINUS OFFIC. 'PROSTRATUS' PROSTRATE ROSEMARY	#1 CONT	SEE GROUND COVER PLANTING DETAIL LOW WATER USE: PF=0.3	*DESERT ADAPTED
	(MUL)		DARK BROWN SHREDDED HARDWOOD MULCH, 3" DEPTH. NO CYPRESS MULCH, NO RED MULCH.		SEE PLANTING NOTES.	

\*DESERT ADAPTED PLANT AS FOUND IN 'LANDSCAPE PLANTS FOR CALIFORNIA GARDENS' BY BOB PERRY ARE CATEGORIZED UNDER IRRIGATION GROUP 2.

## TREE PROTECTION ZONE NOTES

- COORDINATE ALL OFF-SITE IMPROVEMENTS WITHIN THE TPZ WITH THE COMMUNITY FORESTERS OFFICE.
- NO CONSTRUCTION MATERIALS OR ACTIVITIES ALLOWED IN THIS AREA.
- PRUNING OF CITY TREES TO PROVIDE CLEARANCE FOR CONSTRUCTION ACTIVITIES SHALL ONLY BE DONE BY CITY OF SANTA MONICA COMMUNITY FORESTRY OPERATIONS. EXISTING TREES ARE TO BE PRESERVED DURING CONSTRUCTION AS PER THE CITY OF SANTA MONICA URBAN FOREST MASTER PLAN.
- SEE STANDARD TREE PROTECTION ZONE GUIDELINES ON LT.00. CONTACT URBAN FORESTRY STAFF MINIMUM 2 DAYS IN ADVANCE PRIOR TO EXCAVATION WITHIN CRITICAL ROOT ZONE.
- GENERAL CONTRACTOR SHALL PROVIDE TREE PROTECTION AROUND EXISTING TREES TO REMAIN PRIOR TO BEGINNING DEMOLITION / GRADING ACTIVITY. SEE TREE PROTECTION FENCING DETAIL.

## LEGEND - EXISTING

	EXISTING PALM TREE TO REMAIN
	PROP. TREE PROTECTION FENCING

# project information

ADDRESS: 501 WILSHIRE BLVD., SANTA MONICA, CA 90401  
EXISTING/PROPOSED USE: RESTAURANT  
ZONING DISTRICT: WILSHIRE TRANSITION (WT) WITHIN DOWNTOWN COMMUNITY PLAN AREA

## CALCULATIONS OF PLANTABLE LANDSCAPE AREA

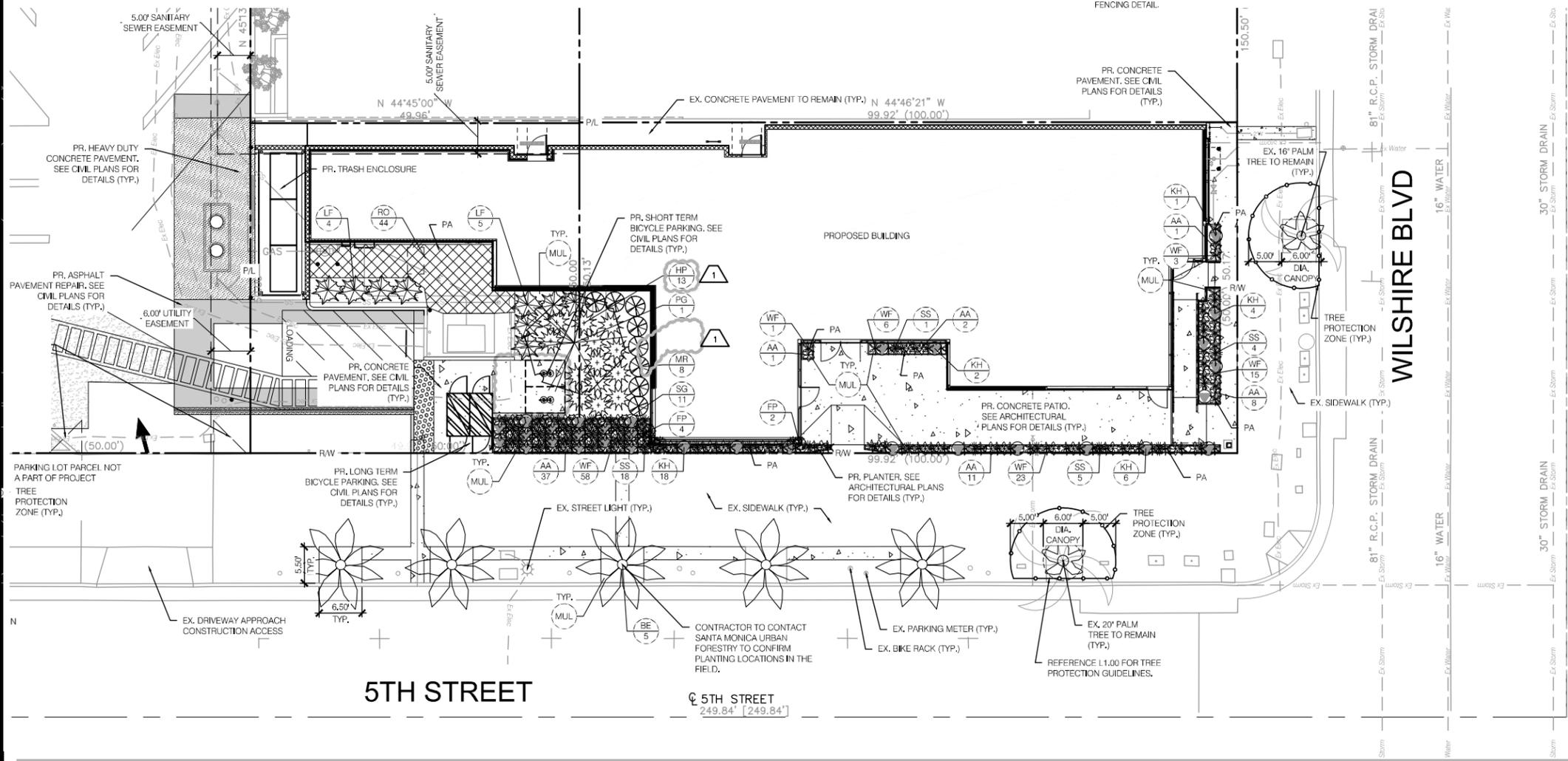
THIS EXACT TABLE MUST APPEAR ON LANDSCAPE PLANS SUBMITTED TO THE CITY FOR REVIEW (REVISED 5/16/18)

	PERCENTAGE	SQUARE FEET
A. PARCEL		7500.00
B. COMBINED AREA OF ALL BUILDING FOOTPRINTS		3868.00
C. TOTAL NON-PERMEABLE HARDSCAPE		2639.00
D. TOTAL POOL, SPA, AND POND SERVICE AREA		0.00
E. TOTAL WATER FEATURE(S) SURFACE AREA		0.00
F. TOTAL PLANTABLE LANDSCAPE AREA (A - B - C - D - E)	100%	993.00
G. TOTAL PERMEABLE HARDSCAPE AREAS	0%	0.00
H. TOTAL PLANTED AREAS (F - G)	100%	993.00
1. TOTAL AUTO IRRIGATED PLANTED AREAS (HYDROZONE MATRIX)		993.00
2. TOTAL NON-AUTO IRRIGATED PLANTED AREAS (HAND WATERED AREAS, NOT MULCH, DG OR NON-PLANTED PERMEABLE AREAS)		0.00
I. INCLUDE THE FOLLOWING MEASUREMENTS IN SQUARE FEET AND AS A PERCENTAGE OF THE TOTAL PLANTABLE LANDSCAPE AREA (F) FOR ALL PLANTED AREAS (IRRIGATED AND NON-IRRIGATED) USING PLANT FACTORS AS DEFINED BY ANSI/ASABE S623.1 FOR BOTH NEW AND EXISTING PLANT MATERIAL		
a. TOTAL TURFGRASS AND HIGH WATER USE PLANT MATERIAL (COOL/WARM SEASON GRASSES, ANNUALS, BEDDING PLANTS)	0.0%	0.00
b. TOTAL MODERATE WATER USE PLANT MATERIAL (TREES, SHRUBS, VINES, GROUNDCOVERS, HERBACEOUS PERENNIALS, HEDGES)	14.2%	141.00
c. TOTAL LOW AND VERY LOW WATER USE PLANT MATERIAL (DESERT ADAPTED PLANTS)	85.8%	852.00
d. TOTAL EDIBLE PLANT MATERIAL (DO NOT INCLUDE IN PARTS "a", "b", "c", AND "e"; DECIDUOUS/EVERGREEN FRUIT TREES, VEGETABLE CROPS)	0.0%	0.00
e. TOTAL PLANTED AREA IRRIGATED WITH AN APPROVED ALTERNATIVE WATER SUPPLY (DO NOT INCLUDE IN PARTS "a", "b", "c", AND "d")	0.0%	0.00

NTS

## ABBREVIATIONS

BTH = BROWN TRUNK HEIGHT  
CONT = CONTAINER  
DIA. = DIAMETER  
EX. = EXISTING  
PA = PLANTING AREA  
PF = PLANT FACTOR  
P/L = PROPERTY LINE  
PR. = PROPOSED  
QTY. = QUANTITY  
RW = RIGHT-OF-WAY LINE  
TYP. = TYPICAL



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SCALE: NTS



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project no. | SSHCS0025

OWNER



225 VARICK STREET, SUITE 301  
NEW YORK, NY 10014

## project info

SANTA MONICA  
501 WILSHIRE BLVD.  
SANTA MONICA, CA 90401

## issue dates

submission:	Date
BD SET	05/09/2019
PERMIT SET	05/31/2019
IFC SET	05/31/2019

revisions:	Date
1 AHJ COMMENTS	12/06/2019

designed by: B. FRIDENMAKER  
checked by: B. FRIDENMAKER

seal

## sheet info

LANDSCAPE PLAN

L1.01

electrical  
mechanical  
plumbing  
equipment  
architectural  
structural  
landscape  
civil

# LANDSCAPE MAINTENANCE SCHEDULE:

## WEEKLY CHECKLIST

WEEKLY LANDSCAPE MAINTENANCE CHECKLIST

PLACE A CHECK MARK BY EACH ITEM COMPLETED DURING THE PAST WEEK.

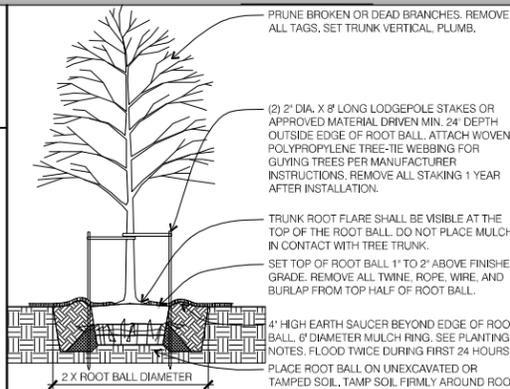
1. PRUNE BACK ANY SHRUBS OVERHANGING CURBS OR SIDEWALKS.
2. PRUNE BACK ANY GROUND COVER OVERHANGING CURBS OR SIDEWALKS.
3. REMOVE LITTER AND LEAVES FROM PLANTS, PLANTERS, AND PARKING LOTS.
4. REMOVE ANY BROKEN OR FALLEN BRANCHES FROM TREES. REMOVE SUCKER GROWTH FROM TREE TRUNKS.
5. REMOVE ANY WEEDS LARGER THAN 2 INCHES (5 CM) HIGH OR WIDE FROM PLANTERS. WEEDS 2 INCHES (5 CM) AND LARGER MUST BE REMOVED, NOT JUST KILLED.
6. REPLACE BARK MULCH WHICH HAS BEEN KNOCKED OFF OR WASHED OUT OF PLANTERS. SMOOTH MULCH LAYER IF IT HAS BEEN DISTURBED.
7. CHECK PLANTS FOR SIGNS OF STRESS OR DISEASE. REPLACE ANY PLANTS THAT MEET CONDITIONS FOR REPLACEMENT AT THE CONTRACTOR'S EXPENSE. REQUEST AUTHORIZATION TO REPLACE OTHER DEAD OR MISSING PLANTS. NOTE: YOU MUST REQUEST AUTHORIZATION TO MAKE REPLACEMENTS WITHIN ONE WEEK OF THE DAMAGE BECOMING EVIDENT!
8. SWEEP OR BLOW CLEAN ALL WALKWAYS, CURBS, AND GUTTERS.
9. TREAT FOR ANY SIGNS OF DISEASE OR PEST INFESTATION.
10. COMPLETE ANY ITEMS REQUIRED ON THE MONTHLY CHECKLIST.
11. HAND WATER ANY PLANTS THAT ARE DRY AND STRESSED.
12. CHECK THE IRRIGATION SYSTEM. MAKE EMERGENCY REPAIRS AS NEEDED OR REQUEST AUTHORIZATION TO MAKE MAJOR REPAIRS. NOTE: YOU MUST REQUEST AUTHORIZATION FOR REPAIRS WITHIN ONE WEEK OF THE DAMAGE BECOMING EVIDENT!
13. ADJUST THE IRRIGATION CONTROLLERS FOR CURRENT WATER NEEDS OF PLANTS.

CHECKED BY: \_\_\_\_\_ (PRINT NAME)  
SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

## MONTHLY CHECKLIST

MONTHLY MAINTENANCE CHECKLIST

- JANUARY:**
1. PRUNE ANY TREE BRANCHES THAT INTERFERE WITH PUBLIC SAFETY. PRUNE ALL PARKING LOT AND STREET TREES YEARLY TO ENCOURAGE STRONG UPWARD GROWTH.
- FEBRUARY:**
1. APPLY GRANULAR FERTILIZER IN LATE FEBRUARY. BE SURE TO MAKE APPLICATION PRIOR TO A MODERATE RAINFALL IN DRIP-IRRIGATED PLANTERS SO THE RAIN WILL WASH THE FERTILIZER IN.
  2. SUBMIT RECEIPTS TO OWNERS AUTHORIZED REPRESENTATIVE AS PROOF OF FERTILIZER PURCHASE.
  3. ADD NEW MULCH TO PLANTERS WHERE THE MULCH DEPTH HAS BEEN REDUCED TO LESS THAN 2 INCHES (5 CM) THICK. MULCH NOT REQUIRED WHERE SHRUBS OR GROUND COVER COMPLETELY HIDE THE SOIL SURFACE FROM VIEW.
- MARCH:**
1. PLANT ANNUAL COLOR FOR SPRING/SUMMER BLOOM.
  2. FLUSH OUT IRRIGATION SYSTEMS AS NEEDED AND CHECK FOR PROPER OPERATION OF EACH VALVE ZONE.
  3. REMOVE AND CLEAN WYE FILTER SCREENS.
  4. REPLACE PLUGGED DRIP EMITTERS.
  5. REPLACE IRRIGATION CONTROLLER PROGRAM BACK-UP BATTERIES.
- APRIL:**
1. ADD NEW MULCH TO PLANTERS WHERE THE MULCH DEPTH HAS BEEN REDUCED TO LESS THAN 2 INCHES (5 CM) THICK. MULCH NOT REQUIRED WHERE SHRUBS OR GROUND COVER COMPLETELY HIDE THE SOIL SURFACE FROM VIEW.
- MAY:**
1. APPLY FERTILIZER TO ALL LANDSCAPE AREAS. THE MAY FERTILIZATION OF SHRUBS/GROUND COVER AREAS MAY BE DELETED WHEN THE PLANTS REACH MATURITY OR COMPLETELY FILL THE PLANTERS, WITHOUT SPACE BETWEEN THEM. WRITTEN AUTHORIZATION FROM THE OWNERS REPRESENTATIVE IS REQUIRED BEFORE THE FOLIAR FERTILIZATION MAY BE DELETED FROM THE REQUIRED WORK.
  2. SUBMIT RECEIPTS TO OWNERS AUTHORIZED REPRESENTATIVE AS PROOF OF FERTILIZER PURCHASE.
- JUNE:**
1. PRUNE SPRING & WINTER-FLOWERING SHRUBS AS NEEDED TO MAINTAIN PROPER SHAPE.
  2. ADD NEW MULCH TO PLANTERS WHERE THE MULCH DEPTH HAS BEEN REDUCED TO LESS THAN 2 INCHES (5 CM) THICK. MULCH NOT REQUIRED WHERE SHRUBS OR GROUND COVER COMPLETELY HIDE THE SOIL SURFACE FROM VIEW.
- JULY:**  
NO ADDITIONAL ITEMS.
- AUGUST:**
1. APPLY FERTILIZER TO ALL LANDSCAPE AREAS. THE AUGUST FERTILIZATION OF SHRUBS/GROUND COVER AREAS MAY BE DELETED WHEN THE PLANTS REACH MATURITY OR COMPLETELY FILL THE PLANTERS, WITHOUT SPACE BETWEEN THEM. WRITTEN AUTHORIZATION FROM THE OWNERS REPRESENTATIVE IS REQUIRED BEFORE THE FOLIAR FERTILIZATION MAY BE DELETED FROM THE REQUIRED WORK.
  2. SUBMIT RECEIPTS TO OWNERS AUTHORIZED REPRESENTATIVE AS PROOF OF FERTILIZER PURCHASE.
  3. ADD NEW MULCH TO PLANTERS WHERE THE MULCH DEPTH HAS BEEN REDUCED TO LESS THAN 2 INCHES (5 CM) THICK. MULCH NOT REQUIRED WHERE SHRUBS OR GROUND COVER COMPLETELY HIDE THE SOIL SURFACE FROM VIEW.
- SEPTEMBER:**
1. INVENTORY ALL PLANT MATERIALS. INVENTORY SHALL INCLUDE AN EXACT COUNT OF ALL SHRUBS AND TREES, ITEMIZED BY PLANTER. REPLACE ANY DEAD OR MISSING PLANTS SUBJECT TO THE TERMS OF THESE SPECIFICATIONS.
  2. PLANT ANNUAL COLOR FOR FALL/WINTER BLOOM.
- OCTOBER:**
1. APPLY FERTILIZER TO ALL LANDSCAPE AREAS. THE OCTOBER FERTILIZATION OF SHRUBS/GROUND COVER AREAS MAY BE DELETED WHEN THE PLANTS REACH MATURITY OR COMPLETELY FILL THE PLANTERS, WITHOUT SPACE BETWEEN THEM. WRITTEN AUTHORIZATION FROM THE OWNERS REPRESENTATIVE IS REQUIRED BEFORE THE FOLIAR FERTILIZATION MAY BE DELETED FROM THE REQUIRED WORK.
  2. SUBMIT RECEIPTS TO OWNERS AUTHORIZED REPRESENTATIVE AS PROOF OF FERTILIZER PURCHASE.
  3. PREPARE IRRIGATION SYSTEM FOR WINTER. MAKE SURE BACKFLOW PREVENTER IS WELL INSULATED OR DRAINED PRIOR TO FIRST FREEZE. BLOW OUT PIPES USING COMPRESSED AIR IN AREAS WHERE FREEZING COULD RESULT IN BREAKAGE.
  4. ADD NEW MULCH TO PLANTERS WHERE THE MULCH DEPTH HAS BEEN REDUCED TO LESS THAN 2 INCHES (5 CM) THICK. MULCH NOT REQUIRED WHERE SHRUBS OR GROUND COVER COMPLETELY HIDE THE SOIL SURFACE FROM VIEW.
- NOVEMBER:**  
NO ADDITIONAL ITEMS.
- DECEMBER:**
1. PRUNE ANY TREE BRANCHES THAT INTERFERE WITH PUBLIC SAFETY. PRUNE ALL PARKING LOT AND STREET TREES YEARLY TO ENCOURAGE STRONG UPWARD GROWTH.
  2. PRUNE SUMMER AND FALL-BLOOMING SHRUBS AS NEEDED TO MAINTAIN PROPER SHAPE.

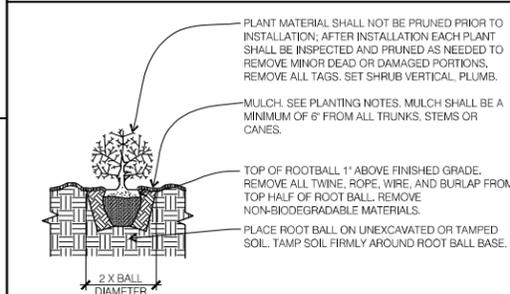


### NOTES

A. BACKFILL AND MULCH AS SPECIFIED IN PLANTING NOTES.

### TREE PLANTING

SCALE: NONE

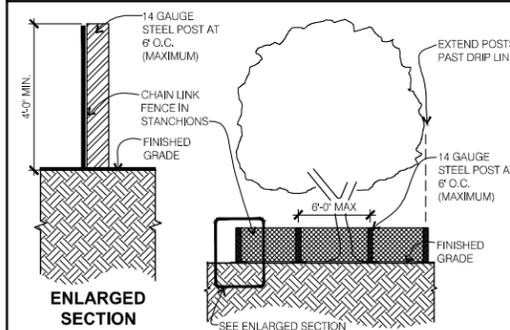


### INSTALLATION NOTES

- EXCAVATION TO BE THE DEPTH OF ROOT BALL. BACKFILL AND MULCH AS SPECIFIED IN PLANTING NOTES.
- CONTRACTOR SHALL EXCAVATE PIT WALLS VERTICALLY AND 2 X THE DIAMETER OF THE ROOT BALL. SCARIFY SIDES BEFORE PLANTING.

### SHRUB PLANTING

SCALE: NONE

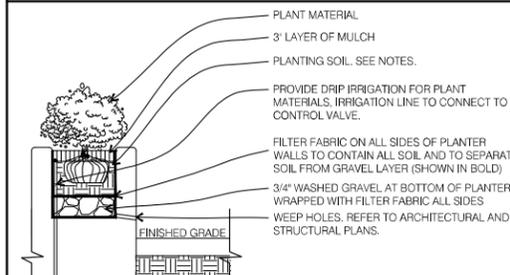


### ENLARGED SECTION

- DETAIL NOTES**
- CONSTRUCTION FENCING SHALL BE ERRECTED PRIOR TO ANY GRADING OR CONSTRUCTION ACTIVITIES - PREVENTING COMPACTION OF ROOT SYSTEMS OF TREES TO BE PRESERVED.
  - THE FENCING SHALL ENCLOSE THE AREA BENEATH THE DRIP LINE OF THE TREE CANOPY AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE.
  - NO PARKING, MATERIAL STORAGE, OR CONSTRUCTION ACTIVITIES SHALL BE PERMITTED WITHIN THE FENCED AREA.

### CHAIN LINK TREE PROTECTION

SCALE: NONE



### NOTES

PLANTERS TO RECEIVE 18" MIN. OF LIGHTWEIGHT POTTING MIX SUCH AS 'MIRACLE-GRO MOISTURE CONTROL POTTING MIX' CONTAINING APPROXIMATELY 1/3 PEAT MOSS, 1/3 COMPOSTED ORGANIC MATERIALS, 1/3 STERILIZED COARSE SAND, PERLITE, OR VERMICULITE. APPLY SLOW RELEASE FERTILIZER SUCH AS 'OSMOCOTE' AT RATE PER MANUFACTURER RECOMMENDATIONS. AT BOTTOM OF PLANTER, INSURE DRAINAGE IS PROVIDED BY DRAIN LINES. INSTALL AN ATHLUM GRATE SECURED OVER THE DRAIN HOLE AND PLACE A LAYER OF WASHED GRAVEL WRAPPED WITH FILTER FABRIC OVER THE DRAINAGE HOLE. ENSURE FILTER FABRIC SEPARATES THE POTTING MIX FROM THE GRAVEL. PROVIDE A 3" LAYER OF MULCH AT TOP OF PLANTER.

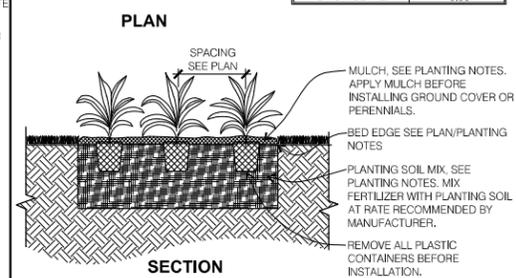
### PLANTER DETAIL

SCALE: NONE

## PLANTING NOTES

- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS INSTALLED FOR ONE FULL YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. ALL PLANTS SHALL BE ALIVE AND AT A VIGOROUS RATE OF GROWTH AT THE END OF THE GUARANTEE PERIOD.
- PRIOR TO INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SUBGRADE, GENERAL SITE CONDITIONS, VERIFY ELEVATIONS, UTILITY LOCATIONS, IRRIGATION APPROVE TOPSOIL PROVIDED BY GENERAL CONTRACTOR AND OBSERVE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR OF ANY UNSATISFACTORY CONDITIONS AND WORK SHALL NOT PROCEED UNTIL SUCH CONDITIONS HAVE BEEN CORRECTED AND ARE ACCEPTABLE TO THE LANDSCAPE CONTRACTOR.
- IF THE LANDSCAPE CONTRACTOR OBSERVES ANY DEFICIENCIES IN THE PLANT SELECTIONS, SOIL CONDITIONS OR ANY OTHER CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR GUARANTEE, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE PRIOR TO PROCUREMENT AND/OR INSTALLATION.
- PLANT MATERIAL SHALL CONFORM TO THE PLANT LIST AND KEYS ON THE DRAWINGS AND TO THE QUALITY STANDARDS OF AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION, ANSI Z60.1 LATEST EDITION. ALL PLANTS SHALL EQUAL OR EXCEED THE MEASUREMENTS AND SIZES SPECIFIED IN THE SCHEDULE. IN THE EVENT OF VARIATION BETWEEN QUANTITIES SHOWN ON PLANT SCHEDULE AND THE PLANS, THE PLANS SHALL TAKE PRECEDENCE. CONTRACTOR TO VERIFY QUANTITIES AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- SUBSTITUTIONS SHALL BE PERMITTED WITH NOTIFICATION AND WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT. SUBSTITUTED MATERIAL SHALL BE THE NEAREST EQUIVALENT SIZE, CONDITION AND GROWTH HABIT HAVING THE SAME ESSENTIAL CHARACTERISTICS WITH AN EQUITABLE ADJUSTMENT IN WHOLESALE PRICE.
- THE LANDSCAPE CONTRACTOR SHALL HAVE SOIL TESTS PERFORMED IN LAWN AND PLANTING BED AREAS TO EVALUATE NUTRIENT AND PH LEVELS. THE LANDSCAPE CONTRACTOR SHALL INCORPORATE FERTILIZER AND/OR SOIL AMENDMENT ADDITIVES AS RECOMMENDED BY SOIL TEST.
- COMPOST AT A MIN. RATE OF 4 CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE LANDSCAPE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL. ALL PLANTING BEDS TO RECEIVE 8" MIN. OF PREPARED BACK FILL MIX. ALL INDIVIDUALLY PLANTED TREES AND SHRUBS TO BE BACK FILLED WITH PREPARED BACK FILL MIX. PREPARED BACK FILL MIXTURES SHALL BE MIXED ON SITE, CONSISTING OF ONE PART TOPSOIL, ONE PART SOIL AMENDMENT, ONE PART SOIL FROM EXCAVATION, TOPSOIL ASTM D5268, PH RANGE OF 5.5 TO 7. MIN. 4 PERCENT ORGANIC MATERIAL. FREE OF STONES 1 INCH AND LARGER, SOIL AMENDMENT: SPHAGNUM PEAT MOSS OR COMPOSTED ORGANIC MATERIAL. THE SOIL IN ALL PLANTING BEDS SHALL BE LOOSENEED TO 8" MIN. DEPTH AND SOIL AMENDMENTS SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY TILLING, DISCING, OR OTHER SUITABLE METHOD.
- MULCH AT THE EDGE OF PAVEMENT SHALL BE RECESSED ONE INCH BELOW THE TOP OF PAVEMENT. BEDS TO BE LAID OUT AND APPROVED BY LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE PRIOR TO PLANTING.
- CONTRACTOR TO SLIGHTLY FIELD ADJUST PLANT LOCATIONS AS NECESSARY TO AVOID UTILITIES. FINISHED PLANTING BEDS SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING(S).
- TREES SHALL BE PLACED A MINIMUM OF 3' FROM FIRE HYDRANTS OR SEWERWATER CONNECTIONS.
- PLANTING BEDS SHALL BE COVERED WITH PRE-EMERGENT HERBICIDE APPLIED AT PRODUCT SPECIFIED RATE UNLESS NOTED OTHERWISE.
- ALL PLANTING BEDS SHALL RECEIVE MULCH UNLESS NOTED OTHERWISE. MULCH SHALL BE DISEASE AND PEST FREE, UNIFORM COLOR, AND FREE OF TWIGS, LEAVES OR OTHER MATERIAL SLIGHTLY OR INJURIOUS TO PLANTS. MULCH SHALL NOT CONTAIN MANURE OR MALODOROUS CONTENTS. DO NOT PLACE MULCH AGAINST OR IN CONTACT WITH TREE TRUNKS. TRUNK ROOT FLARE SHALL BE VISIBLE AT THE TOP OF THE ROOT BALL. MULCH SHALL BE A MINIMUM OF 6" FROM ALL TRUNKS, STEMS OR CANES OF TREES AND SHRUBS. NO PLANT MATERIAL SHALL BE INSTALLED WITHIN TWENTY-FOUR (24) INCHES OF THE BASE OF A TREE.
- LANDSCAPE CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF ALL LANDSCAPE AREAS (EXISTING OR PROPOSED) UNTIL SITE TURNOVER.
- ANY ITEM OR AREAS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- LANDSCAPING TO COMPLY WITH ALL APPLICABLE CITY/LOCAL REGULATIONS.
- AFTER COMPLETION OF GRADING, CONTRACTOR SHALL PREPARE A SOIL MANAGEMENT REPORT IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPT. OF WATER RESOURCES MODEL WATER EFFICIENT LANDSCAPE ORDINANCE. CONTRACTOR SHALL SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE CITY WITH THE CERTIFICATE OF COMPLETION.
- CONTRACTOR SHALL ARRANGE FOR AN IRRIGATION AUDIT AFTER INSTALLATION. THE IRRIGATION AUDIT SHALL BE CONDUCTED BY CERTIFIED LANDSCAPE IRRIGATION AUDITORS. IN ACCORDANCE WITH THE STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LANDSCAPE IRRIGATION AUDITOR HANDBOOK, CONTRACTOR SHALL IMPLEMENT THE RECOMMENDATIONS FROM THE IRRIGATION AUDIT REPORT.

PLANT SPACING CHART	
PLANT SPACING (ON CENTER) (X)	PLANTS PER SQUARE FOOT
6" ON CENTER	2.25
8" ON CENTER	1.75
10" ON CENTER	1.50
12" ON CENTER	1.00
18" ON CENTER	0.50



### GROUND COVER PLANTING

SCALE: NONE

architect + engineer



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project no. | SSHCS0025

OWNER



225 VARICK STREET, SUITE 301  
NEW YORK, NY 10014

project info

SANTA MONICA  
501 WILSHIRE BLVD.  
SANTA MONICA, CA 90401

issue dates

submission:	Date
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	-

revisions:

designed by: B. FRIDENMAKER  
checked by: B. FRIDENMAKER

seal

sheet info

LANDSCAPE DETAILS

L1.02



7007 DISCOVERY BLVD  
DUBLIN, OH 43017  
614.634.7000 T

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1 AHJ COMMENTS	12/06/2019

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IRRIGATION PLAN  
**L1.03**

# irrigation notes

- A. PRIOR TO ANY EXCAVATION AT THE SITE, CONTRACTOR SHALL EXAMINE ANY APPLICABLE DRAWINGS AVAILABLE FROM THE OWNER AND/OR LANDSCAPE ARCHITECT AND CONSULT WITH OWNERS REPRESENTATIVE AND UTILITY COMPANY'S REPRESENTATIVES TO DETERMINE POSSIBLE UTILITY LOCATIONS AND DEPTHS. NO COMPENSATION WILL BE GRANTED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNERS REPRESENTATIVE.
- B. IRRIGATION PLAN IS SCHEMATIC. LOCATIONS OF PROPOSED IRRIGATION MAIN LINE, LATERALS, VALVES, AND DRIP IRRIGATION ARE SHOWN SCHEMATICALLY FOR CLARITY, AND SHALL BE LOCATED IN GREEN SPACE AT DISCRETION OF IRRIGATION CONTRACTOR, ALTHOUGH IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY. INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE. TREE AND SHRUB LOCATIONS AS SHOWN ON LANDSCAPE PLAN TAKE PRECEDENCE OVER IRRIGATION EQUIPMENT LOCATIONS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS AND ARCHITECTURAL FEATURES.
- C. IRRIGATION MAIN LINE AND VALVES SHALL NOT BE INSTALLED WITHIN THE RIGHT-OF-WAY WITHOUT WRITTEN CONSENT OF THE LOCAL JURISDICTION. IRRIGATION CONTRACTOR IS TO SUBMIT SHOP DRAWINGS SHOWING ALL VALVES, PUMPS AND LINES SIZES TO OWNER PRIOR TO INSTALLATION.
- D. THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO INSTALL A SYSTEM THAT WILL PROPERLY COVER ALL AREAS PLANTED ON PLANTING PLAN(S).
- E. DRIP IRRIGATION SHALL BE INSTALLED 2' MIN. FROM PAVEMENT AND 4' MIN. FROM BUILDING WALLS.
- F. IRRIGATION CONTRACTOR TO VERIFY IRRIGATION WATER PRESSURE. IF APPLICABLE, INSTALL 1" WATER PRESSURE REDUCING VALVE, WATTS #25AUB-Z3, RAINBIRD #PSI440X-100, OR EQUIVALENT DOWNSTREAM OF SHUT-OFF/ISOLATION BALL VALVE.
- G. IRRIGATION CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS AND KEYS TO CONTROLLER CABINET TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
- H. IRRIGATION CONTROLLER AND PROGRAMMING TO BE PROVIDED BY IRRIGATION CONTRACTOR.
- I. IRRIGATION CONTRACTOR TO VERIFY LOCATION OF CONTROLLER WITH OWNERS REPRESENTATIVE.
- J. THE IRRIGATION SYSTEM SHALL BE INSTALLED AND FULLY OPERATIONAL BEFORE PLANT INSTALLATION MAY BEGIN.
- K. LATERAL LINES SHALL BE 12" MIN. BELOW FINISH GRADE. MAIN LINE SHALL BE 18" MIN. BELOW FINISH GRADE. SLEEVES SHALL BE 24" MIN. BELOW PAVEMENT, AND EXTEND AT LEAST 12" BEYOND PAVEMENT. ALL WIRES LOCATED BELOW PAVEMENT SHALL BE INSTALLED IN A SEPARATE PVC SLEEVE. BACKFILL WITH CLEAN SOIL FREE OF ROCKS, AND TAMP EVERY 4" OF LIFT.
- L. ALL CONTROL WIRE TO BE RUN UNDER MAIN LINE. CONTROL WIRE SHALL BE DIRECT BURIAL SOLID COPPER MIN. GAUGE #14 AWG-UF (#12 AWG-UF FOR RUNS OVER 2000 LF), COMMON GROUND WIRE TO BE WHITE MIN. GAUGE #12 AWG-UF. PROVIDE SEPARATE GROUND WIRE FOR EACH IRRIGATION CONTROLLER. ALL ELECTRICAL CONNECTIONS SHALL BE WATER PROOF SPLICES, TAPE WIRE TO MAINLINE AT MAX. 10' INTERVALS.
- M. ALL DEBRIS SPILLED IN ANY ADJACENT R.O.W. AND/OR ADJOINING PROPERTIES SHALL BE CLEANED UP AND REMOVED BY THE CONTRACTOR.
- N. IRRIGATION CONTRACTOR SHALL PROVIDE A BID ALTERNATE FOR AN ONGOING MAINTENANCE AND REPAIR PROGRAM FOR IRRIGATION SYSTEM.
- O. IRRIGATION SYSTEM SHALL COMPLY WITH ALL LOCAL REQUIREMENTS. ELECTRICAL POWER TO THE IRRIGATION CONTROLLER SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
- P. SEE IRRIGATION INSTALLATION DETAILS.
- Q. PRODUCTS PROVIDED BY RAINBIRD OR HUNTER THAT ARE OF EQUAL OR SUPERIOR QUALITY AND CONSTRUCTION ARE ACCEPTABLE PRODUCT ALTERNATES.

## HYDROZONE MATRIX

HYDROZONE / VALVE	CONTROLLER STATION	SQ. FT.	% OF TOTAL PLANTABLE LANDSCAPE AREA	% OF SLOPE AT FINISH GRADE	PLANT FACTORS BASED ON ANISARBE 5862.1	HYDROZONE BASIS	*HYDROZONE DESCRIPTION	EXPOSURE OR MICROCLIMATE	IRRIGATION METHOD	**IRRIGATION DEVICE MF/MID#	DEVICE FLOW RATE	CALC. PRECIP RATE (IN/HR)	MFGRS LISTED PRECIP RATE (IN/HR)	ZONE GPM	ZONE PSI
A	1	28	2.82%	0%	0.3	PL/RSU	D	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.86	0.85	0.25	40
B	2	40	4.03%	0%	0.3	PL/RSU	D	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.84	0.85	0.35	40
C	3	51	5.14%	0%	0.3	PL/RSU	D	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.85	0.85	0.45	40
D	4	18	1.81%	0%	0.3	PL/RSU	D	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.86	0.85	0.16	40
E	5	11	1.11%	0%	0.3	PL/RSU	D	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.88	0.85	0.10	40
F	6	141	14.20%	0%	0.5	PL/RSU	D,V	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.85	0.85	1.25	40
G	7	654	65.86%	0.5%	0.3	PL/RSU	D	FULL SUN	DRIP	TLHCVXR-RWS-12**	0.53 H	0.85	0.85	5.78	40
H	8	50	5.03%	0.5%	0.3	PL/RSU	D	FULL SUN	BUBBLER	RZWS-36-50-CV**	0.50 M	1.93	N/A***	1.00	40
TOTAL		993													

\*HYDROZONE DESCRIPTIONS:  
D-DESERT ADAPTED PLANTS, LOW AND VERY LOW WATER USE PLANT MATERIAL  
T-TREES  
S-SHRUBS  
V-VINES  
G-GROUNDCOVERS  
\*\*IRRIGATION DEVICE MF/MID#:  
SEE IRRIGATION LEGEND.  
\*\*\*MFGRS. LISTED PRECIP RATE:  
NONE IDENTIFIED BY MFGRS. PRECIP RATE DEPENDENT ON SPACING OF INDIVIDUAL BUBBLERS.

## HYDROZONE LEGEND

PLANT TYPE	PLANT FACTOR	HYDROZONE BASIS	IRRIGATION METHOD	ALTERNATIVE WATER USE
TREES, SHRUBS, VINES, GROUNDCOVERS	0.5	PL PLANT TYPE	D DRIP	
HERBACEOUS PERENNIALS	0.5	IR IRRIGATION METHOD	S SMALL ROTOR	GREYWATER
DESERT ADAPTED PLANTS	0.3	SU SUN EXPOSURE	L LARGE ROTOR	RAINWATER
ANNUAL FLOWERS & BEDDING PLANTS	0.8	SO SOIL TYPE	B BUBBLER	STORMWATER
COOL SEASON TURFGRASS	0.8	SL SLOPE	M MICROSPRAY	ONSITE RECLAIMED WASTEWATER
WARM-SEASON TURFGRASS	0.6	O OTHER	O OTHER / LOW	O OTHER / LOW
DECIDUOUS FRUIT TREES	0.8			
EVERGREEN FRUIT TREES	1.0			
VEGETABLE CROPS	1.0			

### INITIAL ESTABLISHMENT SEASONAL SCHEDULE (UP TO 1 YEAR AFTER PLANT INSTALLATION)

MONTH ETo (IN/MO)	JAN 1.8"	FEB 2.1"	MAR 3.3"	APR 4.5"	MAY 4.7"	JUN 5.0"	JUL 5.4"	AUG 5.4"	SEP 3.9"	OCT 3.4"	NOV 2.4"	DEC 2.2"	ANNUAL 44.2"
CYCLES/WK	3	3	3	3	3	3	3	3	3	3	3	3	
ZONE(S)	1-5 & 7	5	7	9	13	13	14	16	16	12	9	7	7
6	9	10	16	21	22	23	26	26	18	9	12	10	
8-9	3	3	4	5	7	7	7	7	5	4	3	3	

### POST ESTABLISHMENT SEASONAL SCHEDULE

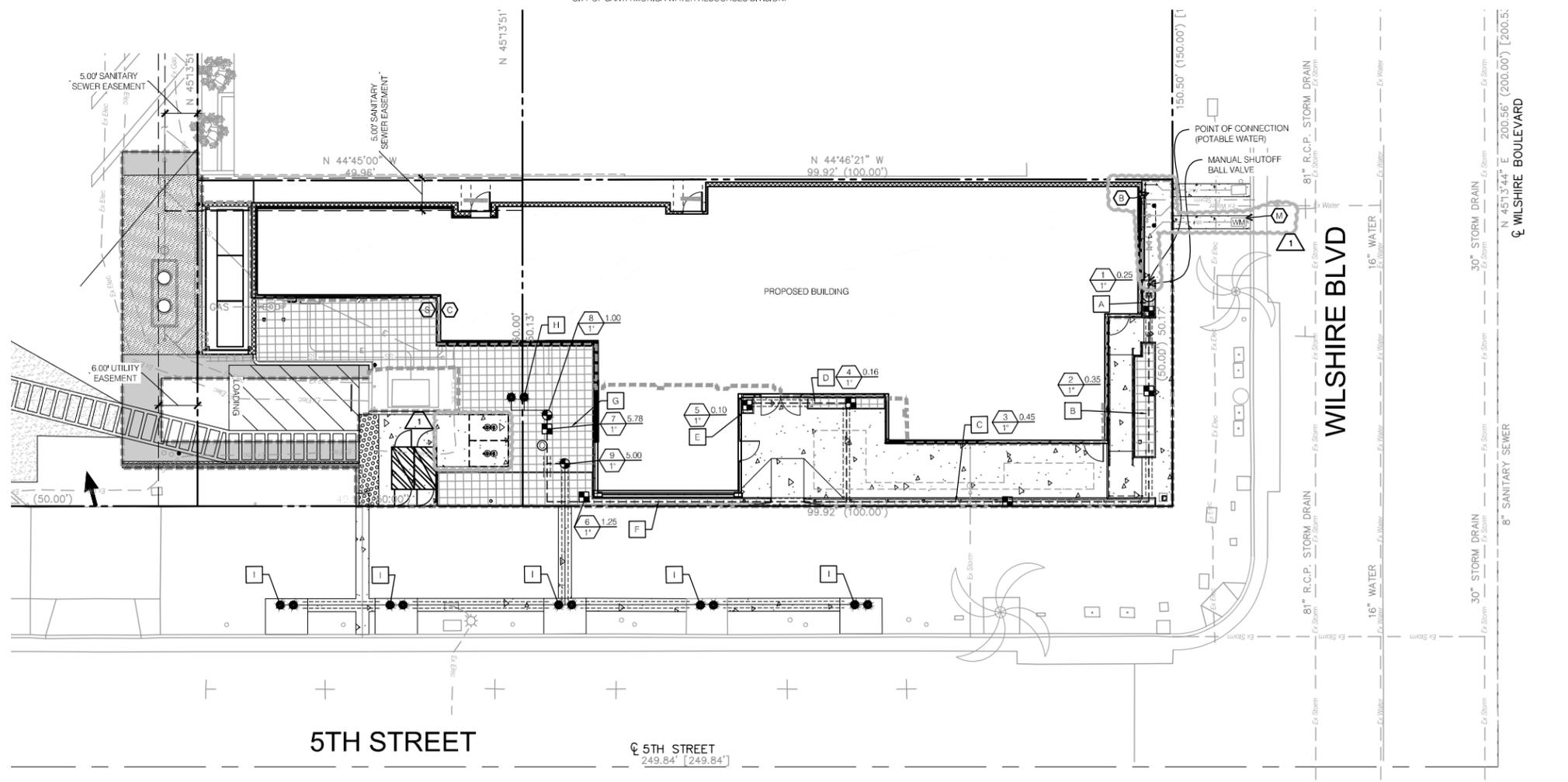
MONTH ETo (IN/MO)	JAN 1.8"	FEB 2.1"	MAR 3.3"	APR 4.5"	MAY 4.7"	JUN 5.0"	JUL 5.4"	AUG 5.4"	SEP 3.9"	OCT 3.4"	NOV 2.4"	DEC 2.2"	ANNUAL 44.2"
CYCLES/WK	3	3	3	3	3	3	3	3	3	3	3	3	
ZONE(S)	1-5 & 7	4	5	7	10	10	11	12	12	9	7	5	5
6	7	8	12	16	17	18	20	20	14	12	9	8	
8-9	2	2	3	4	5	5	5	5	4	3	2	2	
TOTAL GAL	487	568	892	1,217	1,271	1,352	1,460	1,460	1,054	919	649	595	

CYCLES PER DAY: 1  
CYCLES PER WEEK: 3  
IRRIGATION EFFICIENCY: 0.9  
TOTAL GALLONS PER YEAR: THIS IS SLIGHTLY DIFFERENT FROM THE 'ESTIMATED TOTAL WATER USE' (ETWU) BECAUSE THIS SCHEDULE IS BASED ON ACTUAL RUN TIMES, AND FRACTIONS OF MINUTES HAVE BEEN ROUNDED. ADDITIONAL WATER WILL BE PROVIDED BY RAINFALL. IRRIGATE DURING NON-DAYLIGHT HOURS. MULTIPLE CYCLES MAY BE NEEDED FOR THE ESTABLISHMENT OF PLANTS AND TO PREVENT RUNOFF. USE HUNTER 'CYCLE AND SOAK' FEATURE. CONTRACTOR SHALL COMPLY WITH ANY WATERING RESTRICTIONS.

### PRESSURE LOSS CALCULATIONS

DESCRIPTION	UNIT LOSS	QTY.	TOTAL LOSS
1" WATER METER	0.2	1	0.2 PSI
1" BACKFLOW PREVENTER	11.0	1	11.0 PSI
1" BALL VALVE	0.02	1	0.02 PSI
1" MASTER VALVE	4.00	1	4.00 PSI
1" CONTROL VALVE	4.00	1	4.00 PSI
1.5" SCHEDULE 40 MAIN LINE	0.12/100 LF	159 LF	0.19 PSI
1.5" SCHEDULE 40 FITTINGS	0.25/100 LF	10 LF	0.03 PSI
LATERALS & FITTINGS	VARIES	VARIES	1.94 PSI
ELEVATION CHANGE	.433 FT	1.42'	0.61 PSI
TOTAL PRESSURE LOSS			21.99 PSI
DESIGN AND OPERATING PRESSURE			40.0 PSI
TOTAL PRESSURE REQUIRED			61.99 PSI
STATIC WATER PRESSURE			95.0 PSI
RESIDUAL PRESSURE			33.01 PSI
CONTROL VALVE PRESSURE REGULATOR AT			40.0 PSI

STATIC WATER PRESSURE = 95 PSI (LOW) AND 105 PSI (HIGH) PER CITY OF SANTA MONICA WATER RESOURCES DIVISION.



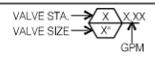
## IRRIGATION LEGEND

- (M) 1" IRRIGATION METER LOCATED IN VALVE BOX. SEE UTILITY PLAN.
- (B) 1" REDUCED PRESSURE BACKFLOW PREVENTER LOCATED OUTSIDE BUILDING. SEE UTILITY PLAN.
- (C) HUNTER I-CORE IRRIGATION CONTROLLER WITH PLASTIC CABINET IN ELECTRICAL ROOM. HUNTER IC-1200-PL.
- (S) HUNTER WIRELESS SENSORS (TRANSPIRATION, RAIN AND FREEZE SENSOR). MOUNT SENSORS IN DISCREET LOCATION EVEN WITH TOP OF PARAPET WALL. CLEAR OF OBSTRUCTIONS. INSTALL PER HUNTER INSTALLATION INSTRUCTIONS. HUNTER WISS. 1-1/2" PVC SCHEDULE 40 IPS PLASTIC PIPE MAIN LINE.
- 3/4" PVC CLASS 200 IPS PLASTIC PIPE OR POLYETHYLENE SDR PRESSURE RATED LATERAL LINE.
- 4" DIAMETER SCHEDULE 40 PVC IRRIGATION SLEEVE. GENERAL CONTRACTOR TO INSTALL AND FLAG ENDS.
- LANDSCAPE DRIP LINE 0.53 GPH, 12" EMITTER SPACING, NETAFFM TECHLINE MODEL #TLHCVXR-RWS-12. LATERAL ROW SPACING 12" APART. DRIP LINES SHALL BE 4" DEEP AT ALL POINTS. INSTALL NETAFFM MODEL # TISOV FLUSH VALVE AT END OF EACH DRIP LINE.
- (M) MASTER VALVE AND FLOW SENSOR: 1" ELECTRIC REMOTE DRIP CONTROL VALVE. HUNTER ICZ-101-40 DRIP CONTROL ZONE KIT WITH 40 PSI PRESSURE REGULATOR. FLOW SENSOR: HUNTER HES-150 AND ECT-150.
- (S) 1" ELECTRIC REMOTE CONTROL VALVE WITH ACCU-SYNC ADJUSTABLE PRESSURE REGULATOR. HUNTER ICV-101G-RS-ADJ.
- (E) 1" ELECTRIC REMOTE DRIP CONTROL VALVE. HUNTER ICZ-101-40 DRIP CONTROL ZONE KIT WITH 40 PSI PRESSURE REGULATOR.
- (C) 1" QUICK COUPLER VALVE WITH LOCKING RUBBER COVER. HUNTER HQ-44-LRC-AW WITH HK-44A KEY AND HS-1 SWIVEL.
- (F) FLUSH VALVE. 1/2" MANUAL FLUSH VALVE IN LOW POINTS OF SYSTEM IN A 7" VALVE BOX ON THE END RUN OF ALL DRIP LINES.
- (\*) ROOT ZONE WATERING SYSTEM WITH BUBBLER. HUNTER RZWS-36-50-CV (36" LONG RZWS AND 0.50 G.P.M. BUBBLER WITH CHECK VALVE) (2) PER TREE (TYP.)



Know what's below.  
Call before you dig.

SCALE: 1" = NTS



P:\SANTA MONICA\SSHC0025\277\_James Jones\_Civil\James Jones\_Civil\SSHC0025\SSHC0025\_L1.03.dwg [2/20/2019 11:29 AM] [Version 1]







Black Rose Aeonium



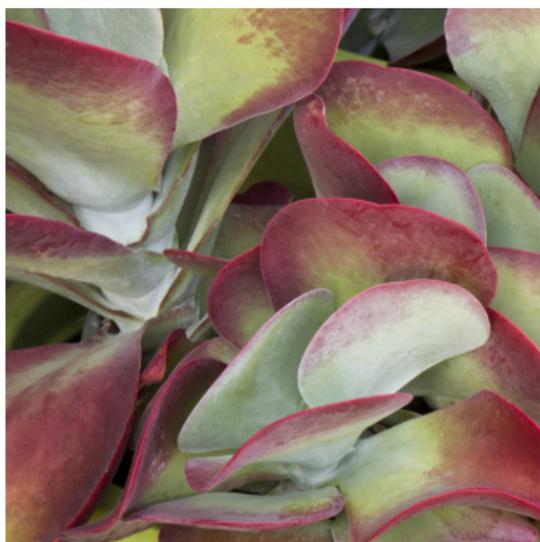
Blue Gem Westringia



Creeping Fig



Deer Grass



Desert Rose Paddle Plant



Hummingbird Sage



Huntington Carpet Rosemary



Green Cloud Texas Sage



Navajo Bright Red Autumn Sage



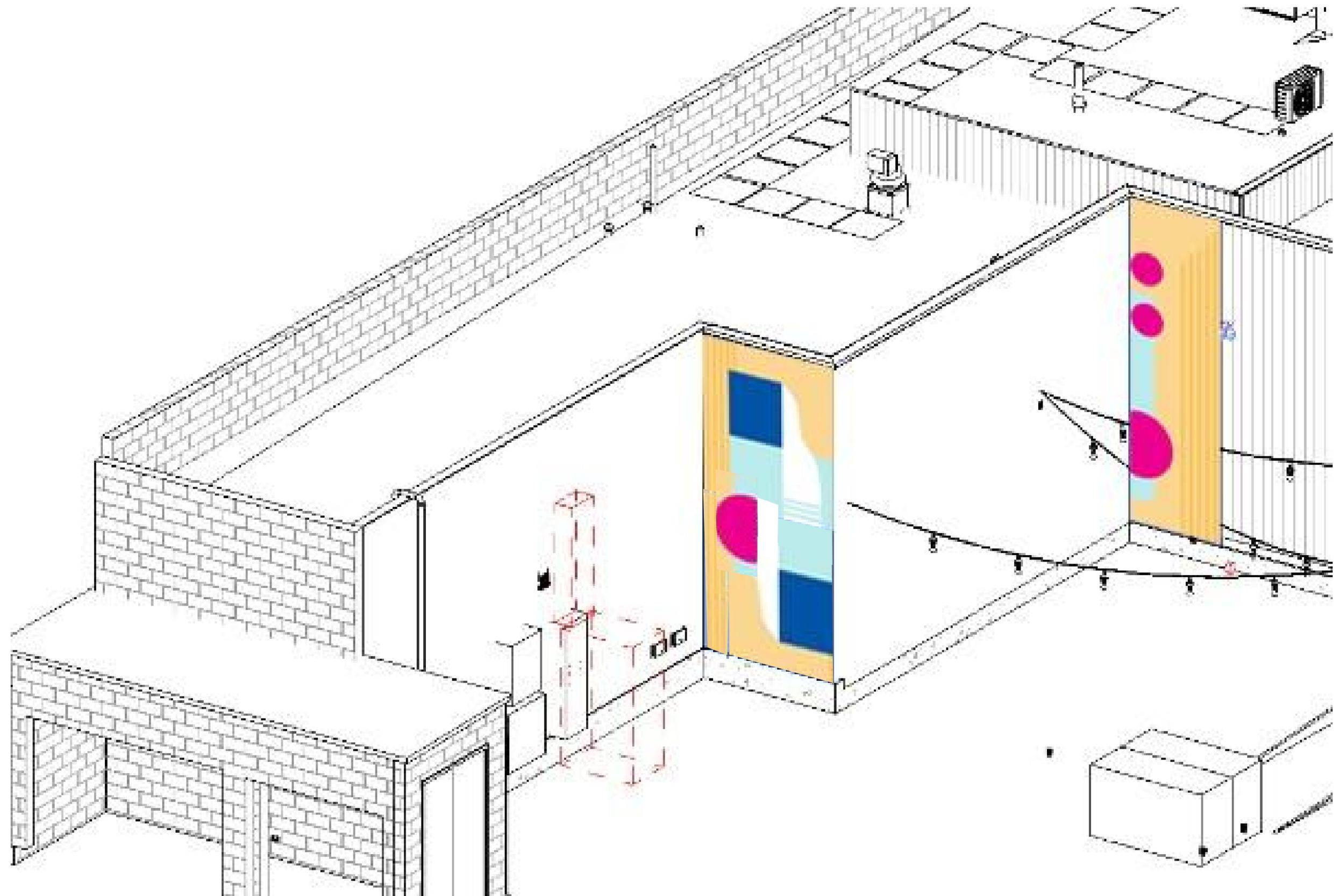
Guadalupe Palm



Red Yucca

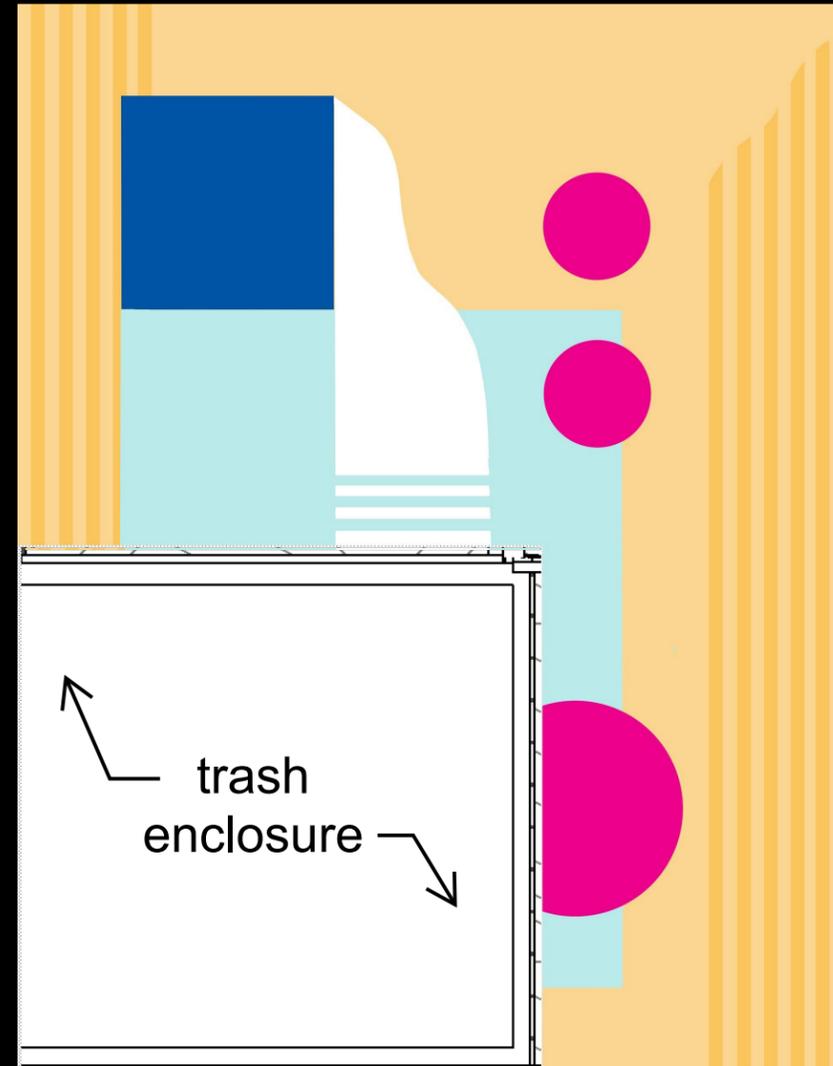


Thornless Honey Mesquite



# shake shack | santa monica

exterior mural



**muros**



501 WILSHIRE BLVD., SANTA MONICA, CA  
SIGNAGE SUBMITTAL  
MARCH 16, 2020





7007 DISCOVERY BLVD  
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designed by: B. FRIDENMAKER  
checked by: A. SCHALL

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SITE IMPROVEMENT  
PLAN

C1.01

## keyed notes

- 1 CONCRETE SIDEWALK. SEE DETAIL C1.06
- 2 ASPHALT PAVING. SEE DETAIL C1.06
- 3 ASPHALT TRANSITION. SEE DETAIL C1.06
- 4 FORMED CONCRETE CURB. SEE DETAIL C1.06
- 5 TAPER LAST 2' OF 6" CONCRETE CURB FROM TYPICAL CURB DETAIL TO MEET AND MATCH CONFIGURATION AND ELEVATION OF EXISTING ADJOINING CURB OR PAVEMENT.
- 6 HEAVY DUTY CONCRETE PAVING WITH TURN DOWN EDGE. SEE DETAIL C1.06
- 7 FLARED CURB RAMP. SEE DETAIL C1.06
- 8 ALKYD-READY MIX PAVEMENT STRIPING PER CALTRANS SPECIFICATIONS.
- 9 SYMBOL OF ACCESSIBILITY. SEE DETAIL C1.06
- 10 LANDSCAPING OR LAWN AREA. SEE LANDSCAPE PLAN.
- 11 AREA TO MEET ADA AND LOCAL ACCESSIBILITY CODES AND REQUIREMENTS.
- 12 TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
- 13 PLANTER. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 14 BOLLARD (8 TOTAL). SEE DETAIL C1.06
- 15 RELOCATED WHEEL STOP.
- 16 RAMP AND HANDRAIL. SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR DETAILS.
- 17 STAIRS. SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR DETAILS.
- 18 ACCESSIBLE ROUTE FROM BUILDING TO PUBLIC RIGHT-OF-WAY AND ACCESSIBLE PARKING STALLS. CROSS SLOPE IS NOT TO EXCEED 2.00%. SEE GRADING PLAN FOR SPOT GRADE ELEVATIONS.
- 19 CONTRACTOR TO PROVIDE EXPANSION JOINT AT DOORS AND ALL LOCATIONS WHERE CONCRETE IS SHOWN ADJACENT TO THE BUILDING. SEE ARCHITECTURAL PLANS FOR JOINT DETAIL.
- 20 SIDEWALK WITHIN RIGHT OF WAY PER CITY OF SANTA MONICA DEPARTMENT OF PUBLIC WORKS STANDARDS.
- 21 TRUNCATED DOME PANEL, MINIMUM 3.0' DEEP ACROSS ENTIRE WIDTH OF ACCESSIBLE ROUTE. SEE DETAIL C1.06
- 22 LONG-TERM BICYCLE PARKING LOCKER PER CYCLESAFE PROPAK STANDARD MODEL, TWO DOORS, SINGLE-TIER, METALLIC SILVER, RAL 9006, T-HANDLE, KEYS, AND POWER STATION 2-PLUG GFI OUTLET FOR CHARGING ELECTRIC-ASSIST BIKES AND OTHER ACCESSORIES (2 LOCKERS TOTAL = 4 BIKES TOTAL). INSTALL PER MANUFACTURERS SPECIFICATIONS.
- 23 SHORT-TERM BICYCLE PARKING RACKS PER DERO MODEL: SWERVE, STANDARD, POWDER COAT P-4-A, SURFACE FOOT MOUNT TO SIDEWALK PER MANUFACTURERS SPECIFICATIONS.
- 24 5.5' x 6.5' TREE WELLS. CONTRACTOR TO CONTACT SANTA MONICA URBAN FORESTRY TO CONFIRM PLANTING LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
- 25 VAN ACCESSIBLE PARKING SIGN. SEE DETAIL C1.06
- 26 CROSSWALK. ALKYD-READY MIX PAVEMENT STRIPING PER CALTRANS SPECIFICATIONS.
- 27 WEDGE COURSE. CONTRACTOR SHALL PROVIDE AND INSTALL TACK COAT (0.05 GAL/S.Y.) AND ASPHALT CONCRETE (CALTRANS 39) OVER EXISTING ASPHALT. SEE C1.02 FOR PROPOSED SPOT GRADES.

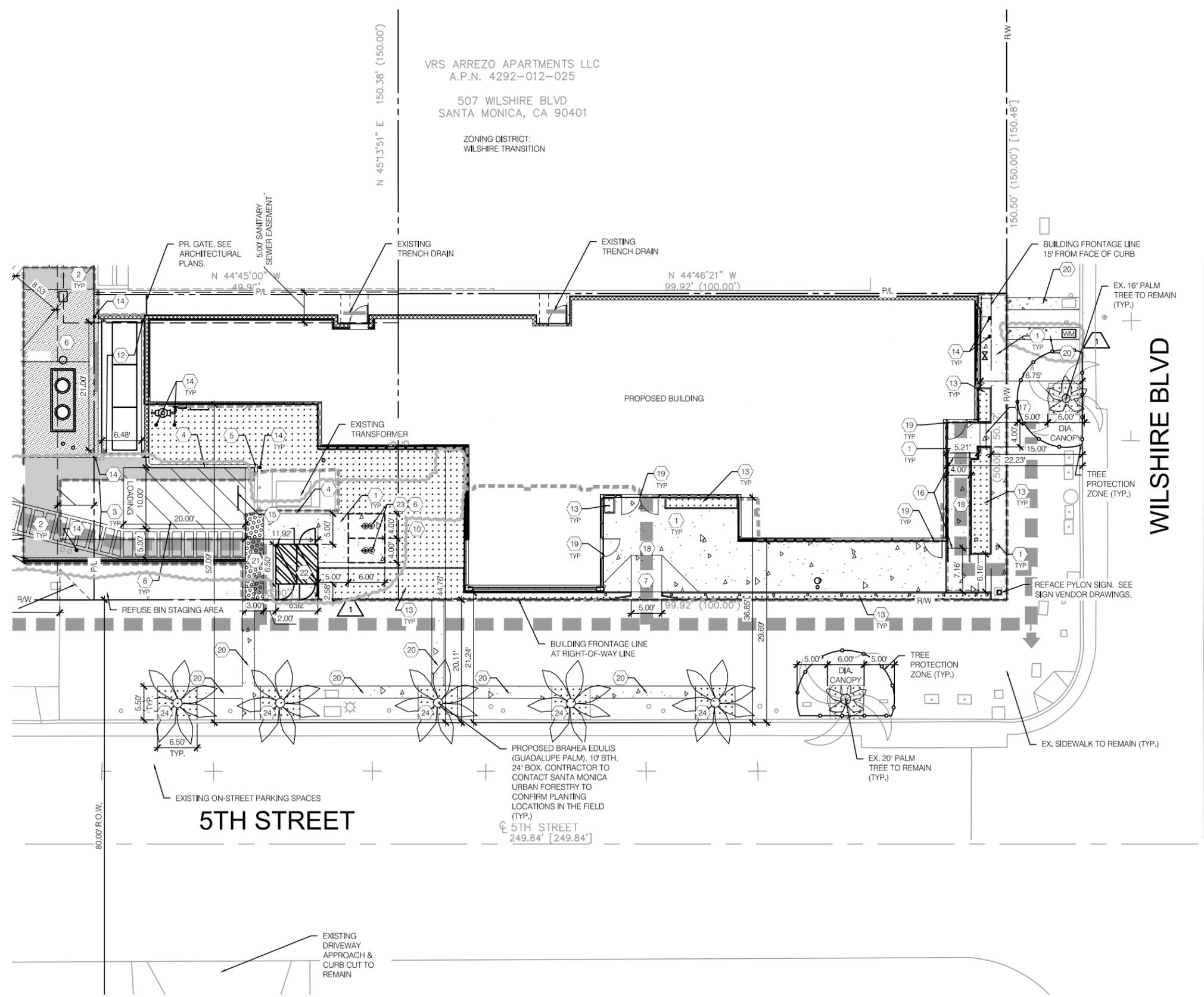
## legend

STANDARD DUTY ASPHALT PAVING. SEE DETAIL C1.06	
NATURAL GRAY CONCRETE SEE DETAIL C1.06	
LANDSCAPE. REFER TO LANDSCAPE PLAN. SEE SHEET C1.01	
HEAVY DUTY CONCRETE PAVING. SEE DETAIL C1.06	
WEDGE COURSE (OVER EX. ASPHALT PAVEMENT): (SEE KEYED NOTE #27)	
ADA ACCESSIBLE ROUTE: (SEE KEYED NOTE #18)	
LIMITS OF DISTURBANCE	
PROPERTY LINE	- P/L - - - - -
RIGHT-OF-WAY	- RW - - - - -

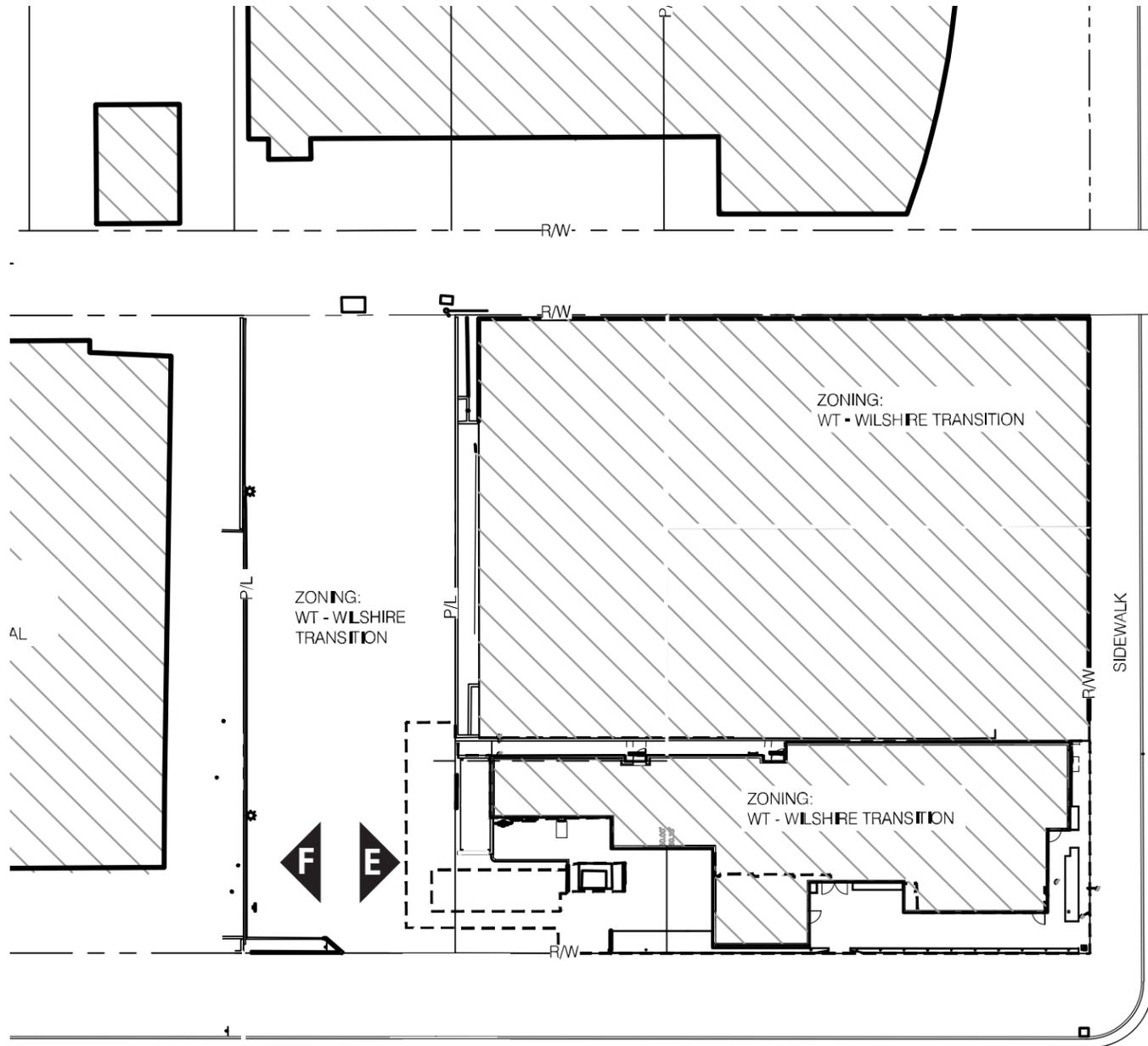


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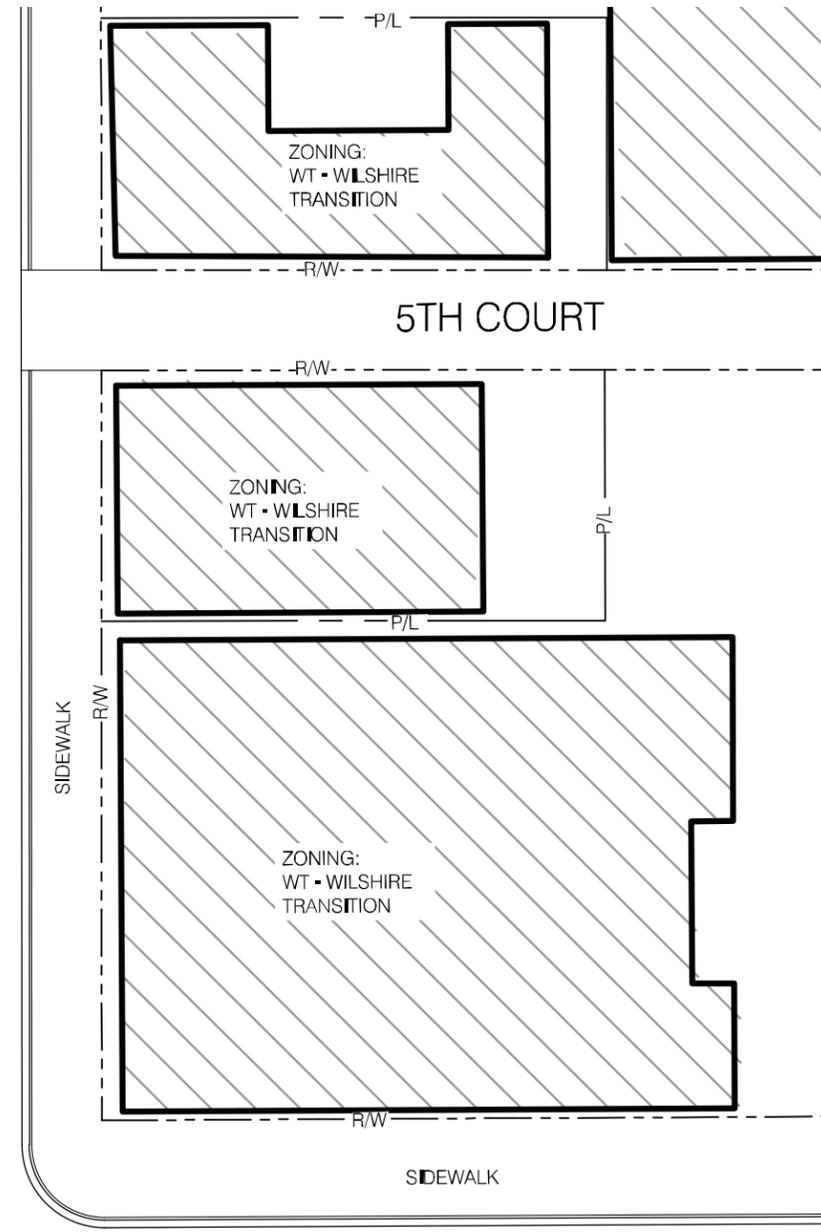
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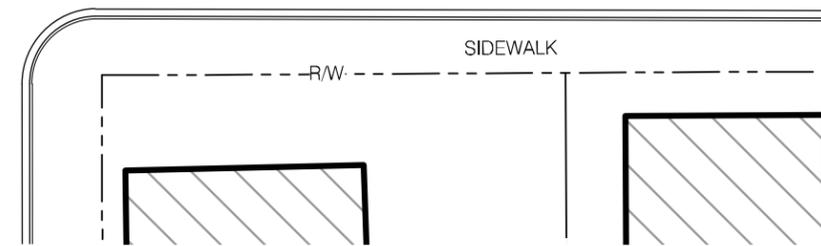
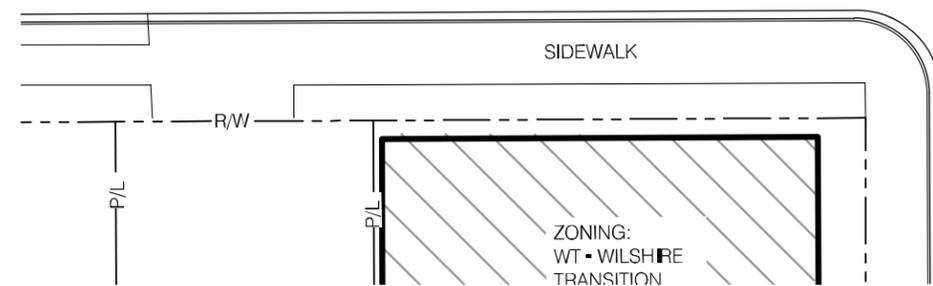
file: P:\SHACK\SSHC0025\_170\_Santa\_Monica\_CA\_Santa\_Monica\_507\_Wilshire\_Combined\SSHC0025\_06\_C1.01.dwg (plotted: 12/10/19 2:28 PM) (sheet4)



WILSHIRE BOULEVARD



5TH STREET





A | VIEW OF 501-507 WILSHIRE BLVD. / NORTHWEST SIDE OF STREET



B | 5<sup>TH</sup> STREET VIEW OF 501 WILSHIRE / NORTHEAST SIDE OF STREET



C | 500-512 WILSHIRE BLVD. / SOUTHEAST SIDE OF STREET



D | 5TH STREET SIDE OF 431 WILSHIRE / SOUTHWEST SIDE OF STREET



E | VIEW OF 501 WILSHIRE AND ADJACENT / ALLEYWAY BETWEEN 5<sup>TH</sup> STREET AND 5<sup>TH</sup> COURT



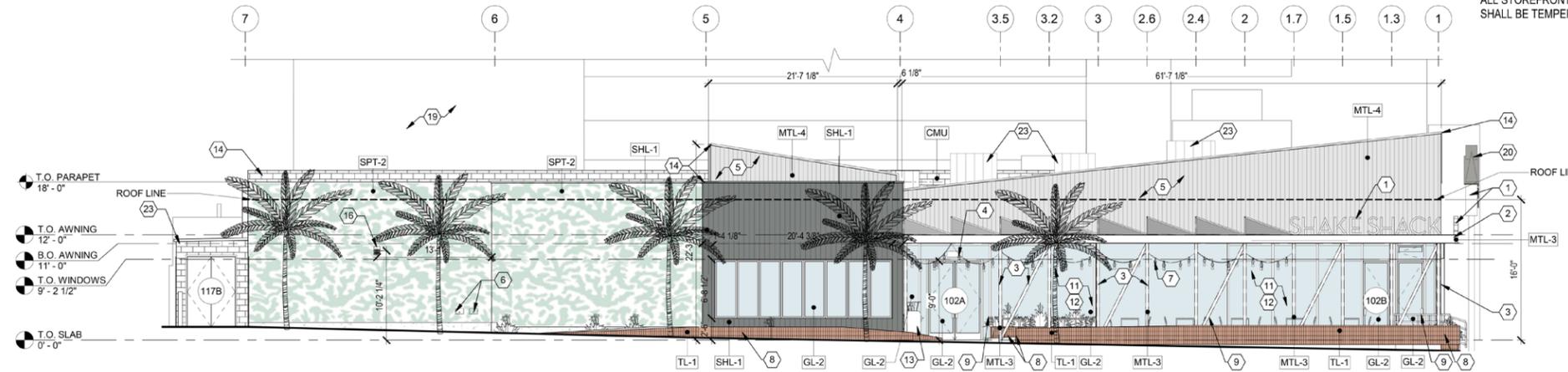
F | VIEW ADJACENT PROPERTIES / ALLEYWAY BETWEEN 5<sup>TH</sup> STREET AND 5<sup>TH</sup> COURT





**general notes**

- A. ALL TARGET ELEVATIONS ARE TAKEN IN RELATION TO PROJECT +0'-0".
- B. GC TO COORDINATE ALL EXTERIOR SECURITY CAMERA LOCATIONS WITH OWNER.
- C. GC TO COORDINATE ALL UTILITY CONNECTIONS AND METER LOCATIONS WITH MEP & CIVIL DRAWINGS. UTILITIES SHOWN ON ARCHITECT'S EXTERIOR ELEVATIONS ARE FOR REFERENCE ONLY.



ALL EXTERIOR SIGNAGE SHALL BE SUBMITTED UNDER A SEPARATE PERMIT BY SIGNAGE VENDOR.

ALL STOREFRONT GLASS PANELS SHALL BE TEMPERED.

**01 exterior elevation**  
SCALE | NTS

**keynotes**

- 1 SIGNAGE BY OWNER'S SIGNAGE CONTRACTOR. GC. TO PROVIDE POWER & BLOCKING AS REQUIRED. SIGNAGE WILL BE SUBMITTED UNDER SEPARATE PERMIT.
- 2 12" SIGN BAND PROVIDED BY G.C. REFER TO STRUCTURAL FOR BEAM DETAILS, TYP.
- 3 EXTERIOR COLUMNS BY G.C. REFER TO STRUCTURAL.
- 4 WHITE VINYL ADDRESS SIGN APPLIED TO THE INTERIOR FACE OF TRANSOM WINDOW. SIGNAGE BY OWNER'S SIGNAGE CONTRACTOR AND WILL BE SUBMITTED UNDER SEPARATE PERMIT.
- 5 SEAM LOCATIONS FOR CORRUGATED METAL PANEL. REFER TO FOR TYPICAL SPLICE DETAIL. CO2 AND RTI FILL BOX LOCATION.
- 6 STRING LIGHTS TO BE CONNECTED AT TOP OF POST. SEE ELECTRICAL SHEETS
- 7 NEW STEEL PLANTER WITH TILE FINISH. RAISED PLANTER WITH WEEPS FOR DRAINAGE. LINED WITH PEEL & STICK WATERPROOFING. PAINT EXPOSED STEEL WHITE (PT-2) REFER TO DETAILS.
- 8 METAL RAILING - REFER TO DETAILS 08&07/A501.
- 9 DOWNSPOUT.
- 10 NEW STOREFRONT SYSTEM BY G.C. - REFER TO STOREFRONT SCHEDULE FOR ADDITIONAL INFORMATION.
- 11 ALL EXTERIOR STOREFRONT WINDOWS ARE FIXED
- 12 OUTDOOR TRASH RECEPTACLE BY OWNER
- 13 PARAPET COPING BY G.C. - FINISH TO MATCH MTL-4. REFER FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- 14 PATIO HEATER. INFRATECH INFRARED ELECTRIC HEATER. MOUNT TO BOTTOM OF PATIO TRELLIS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 15 NEW EXTERIOR WALL SCONCE. REFER ELECTRICAL SHEETS
- 16 EXTERIOR ELECTRICAL EQUIPMENT - REFER TO ELEC DWGS.
- 17 PARKING LOT LIGHTING PANEL - PROVIDED AND INSTALLED BY LANDLORD.
- 18 EXISTING ADJACENT PROPERTY.
- 19 EXISTING POLE SIGN - PAINT AND APPLY NEW ACRYLIC.
- 20 ARTIST MURAL ON STUCCO. REFER TO A601 FINISH SCHEDULE.
- 21 PAINT EQUIPMENT TO MATCH FINISH BEHIND.
- 22 DUMPSTER ENCLOSURE. SEE SHEET AS101 FOR DETAILS.

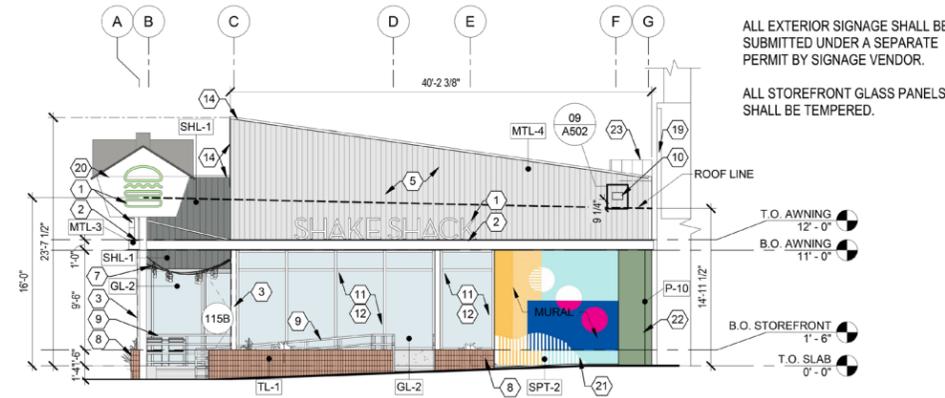
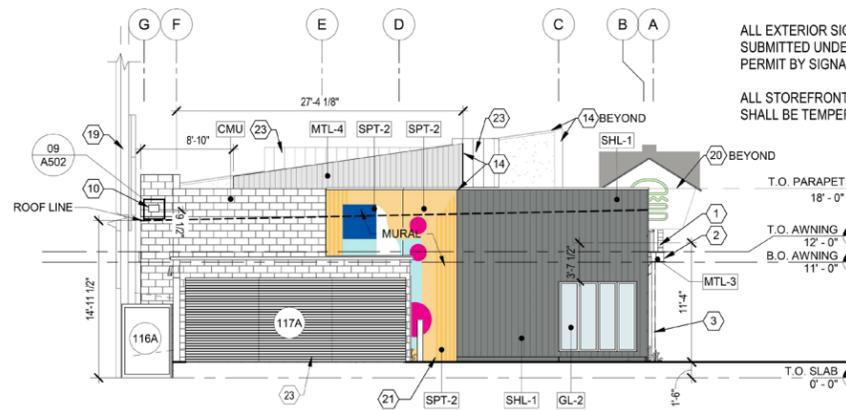
**finish schedule**

TYPE	DESCRIPTION
CF-2	MATERIAL: SEALED CONCRETE MANUFACTURER: BY G.C. PRODUCT: DETAIL: LOCATION: EXTERIOR WALL
CMU	MATERIAL: PAINTED CMU BLOCK MANUFACTURER: --- PRODUCT: 8x8x16 NOMINAL - REFER TO STRUCTURAL FOR SPECIFICATION FINISH: SW7005 PURE WHITE w/ WATER PROOFING GROUT: REFER TO STRUCTURAL DETAIL: 8" x 8" x 16" nom. LOCATION: DUMPSTER ENCLOSURE / EXTERIOR ELEVATIONS
MTL-2	MATERIAL: CORRUGATED METAL WALL PANEL MANUFACTURER: ATAS INTERNATIONAL INC. PRODUCT: METAFOR PANEL - 120 PROFILE COLOR: BONE WHITE DETAIL: 5/8" MAXIMUM PROJECTION. NOTES: ALL OUTWARD CORNERS & PERIMETERS OF ZINC & ALUM. CORRUGATED PANELS TO RECEIVE 2" MATCHING TRIMS. ALL INTERMEDIATE TRIMS BETWEEN PANELS TO BE 1 1/2" W/ HORIZ. TRIMS TO BE PROUD OF VERT. TRIMS U.N.O. LOCATION: INTERIOR - REFER TO ELEVATIONS CONTACT: ATAS, DAVID WEIDL 484-553-5409 dweidl@atas.com
MTL-3	MATERIAL: PAINTED STEEL COLOR: PAINTED P-9 (SW7005 - PURE WHITE) DETAIL: CLEAR SEAL LOCATION: VARIOUS METALWORK - REFER TO RCP, INTERIOR AND EXTERIOR ELEVATIONS, AND FLOOR FINISH PLAN FOR LOCATION NOTE: PROVIDE MOCKUP FOR ARCHITECT APPROVAL.
MTL-4	MATERIAL: CORRUGATED METAL WALL PANEL MANUFACTURER: ATAS INTERNATIONAL INC. PRODUCT: METAFOR PANEL - 120 PROFILE COLOR: BONE WHITE DETAIL: 5/8" MAXIMUM PROJECTION. NOTES: ALL OUTWARD CORNERS & PERIMETERS OF ZINC & ALUM. CORRUGATED PANELS TO RECEIVE 2" MATCHING TRIMS. ALL INTERMEDIATE TRIMS BETWEEN PANELS TO BE 1 1/2" W/ HORIZ. TRIMS TO BE PROUD OF VERT. TRIMS U.N.O. LOCATION: EXTERIOR EQUIPMENT SCREEN - REFER TO ELEVATIONS CONTACT: ATAS, DAVID WEIDL 484-553-5409 dweidl@atas.com
SHL-1	MATERIAL: HARDIE PLANK SHIPLAP SIDING MANUFACTURER: JAMES HARDIE ASPYRE PRODUCT: ARTISAN SHIPLAP PRIMED VERTICAL SIDING DETAIL: 9" EXPOSURE, 0.625" THICKNESS FINISH: PAINTED SW7067 - CITYSCAPE (PT-x) LOCATION: EXTERIOR WALLS. SEE EXTERIOR ELEVATIONS.
SPT-2	PRODUCT: MURAL BY ARTIST FINISH: COLOR USED SHOULD BE SIMILAR TO COLOR PALLETTE SW 6450, SW 7742, SW 0029, SW0025, SW 6717 LOCATION: PLEASE REFERENCE RENDERING FOR ORIGINAL INTENT
TL-1	MATERIAL: CONCRETE TILE MANUFACTURER: DESIGN AND DIRECT SOURCE PRODUCT: ELLORA CONCRETE BRICK FINISH: ROSA, MATTE SIZE: 3"x6" GROUT: LOCATION: REFER TO FINISH FLOOR PLANS & INTERIOR ELEVATIONS

TYPE	DESCRIPTION
P-9	MATERIAL: LATEX PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7005 PURE WHITE DETAIL: EGGSHELL (WALLS), FLAT (CEILINGS) LOCATION: BOH, STORAGE - REFER TO FINISH PLAN
P-10	MATERIAL: LATEX PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7742 AGATE GREEN DETAIL: EGGSHELL (WALLS) LOCATION: GARDEN ROOM - REFER TO FINISH PLAN, EXTERIOR ELEVATIONS FOR LOCATION.

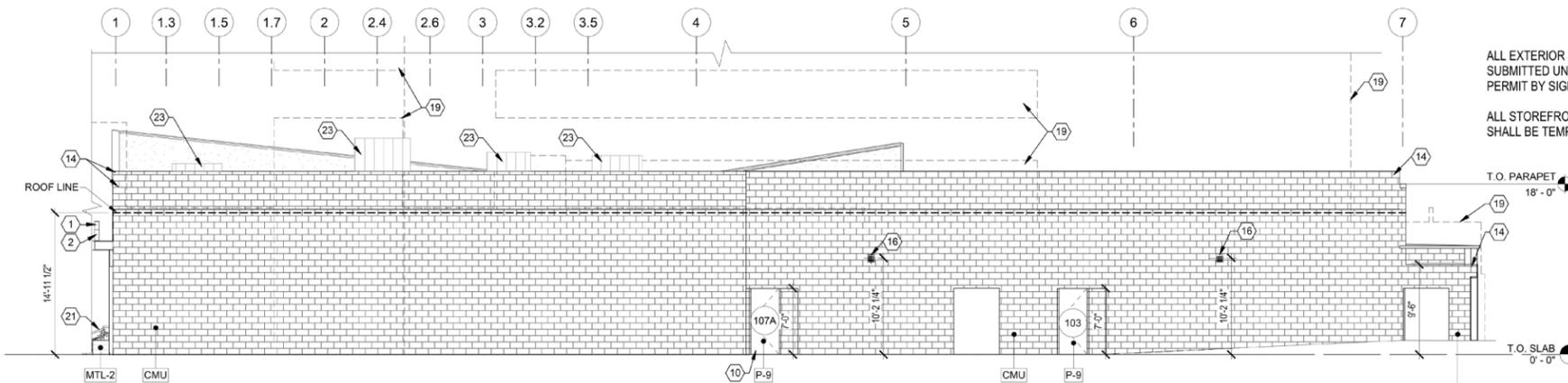
ALL EXTERIOR SIGNAGE SHALL BE SUBMITTED UNDER A SEPARATE PERMIT BY SIGNAGE VENDOR.

ALL STOREFRONT GLASS PANELS SHALL BE TEMPERED.



**02 exterior elevation**  
SCALE | NTS

**03 exterior elevation**  
SCALE | NTS



ALL EXTERIOR SIGNAGE SHALL BE SUBMITTED UNDER A SEPARATE PERMIT BY SIGNAGE VENDOR.

ALL STOREFRONT GLASS PANELS SHALL BE TEMPERED.

**04 exterior elevation**  
SCALE | NTS



**project info**

SANTA MONICA  
501 WILSHIRE BLVD.  
SANTA MONICA, CA 90401

**issue dates**

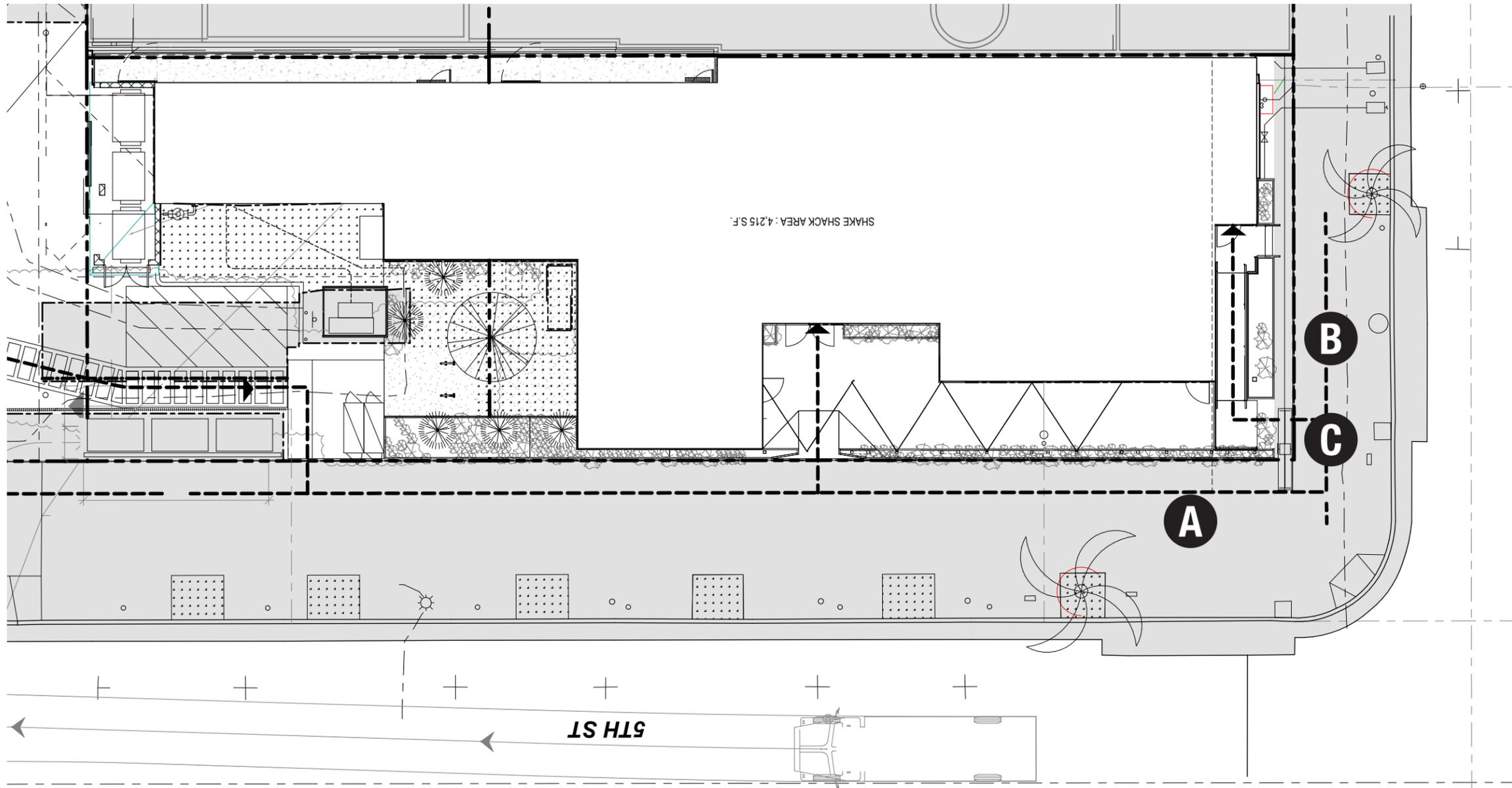
Submission:	Date
OWNER/LL REVIEW	04/16/2019
BD SET	05/09/2019
BID SET	05/31/2019
PERMIT SET	05/31/2019
IFC SET	

Revisions:	Description	Date
1	Revision 1	12/06/2019

**seal**

**sheet info**

RENDERED ELEVATIONS  
**A201**



<b>Design #</b>	
0821373AR05	
<b>Sheet 1 of 11</b>	
<b>Client</b>	
SHAKE SHACK	
<b>Address</b>	
501 WILSHIRE BLVD, SANTA MONICA, CA 90401	
<b>Account Rep.</b>	M WILSON
<b>Designer</b>	E CAMERON
<b>Date</b>	09/04/18
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<b>Northeast US</b>	2301 River Road Suite 201 Louisville, KY 40206 (502) 897-9800 Cell (502) 554-2575
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SIGN KEY		
LOCATION	DESCRIPTION	SQ FOOTAGE
<b>EXTERIOR SIGNS</b>		
A	CHANNEL LETTERS	35.84
B	CHANNEL LETTERS	35.84
C	PYLON REFACE	12.9
<b>TOTAL</b>		<b>84.58</b>

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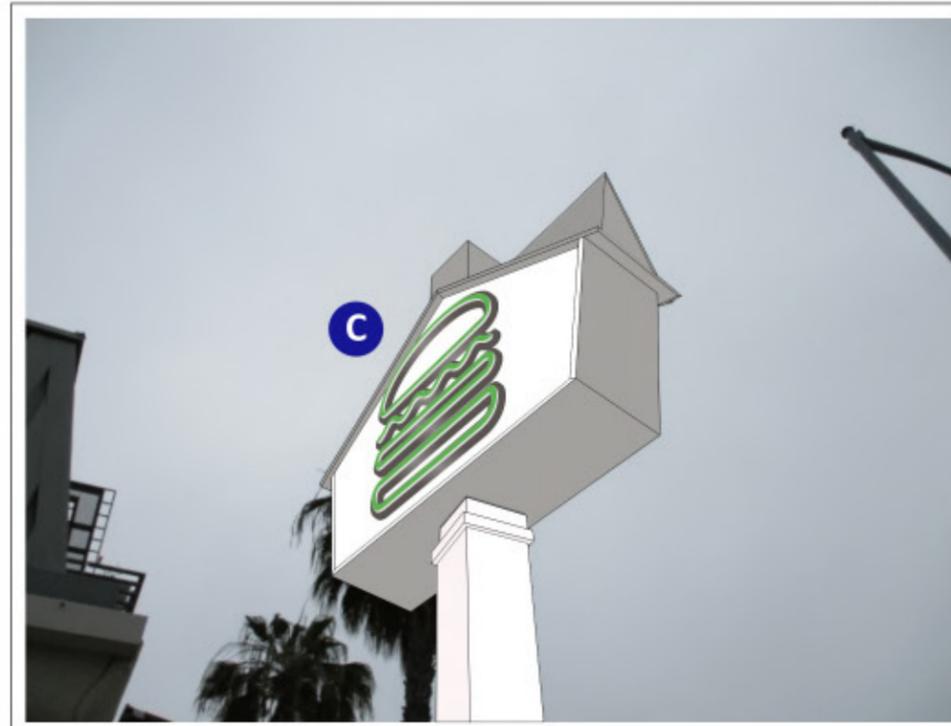
EXISTING CONDITIONS



PROPOSED



EXISTING CONDITIONS



PROPOSED

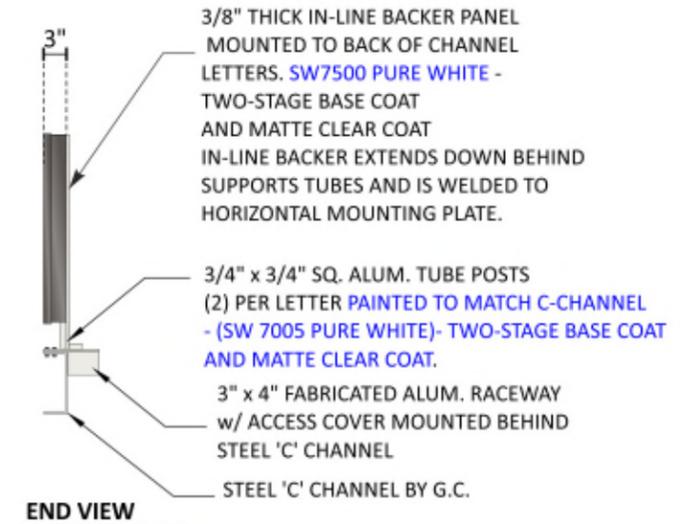
<b>Design #</b>	
0821373AR05	
<b>Sheet</b> 7 of 11	
<b>Client</b>	
SHAKE SHACK	
<b>Address</b>	
501 WILSHIRE BLVD, SANTA MONICA, CA 90401	
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<b>Designer</b>	E CAMERON
<b>Date</b>	09/04/18
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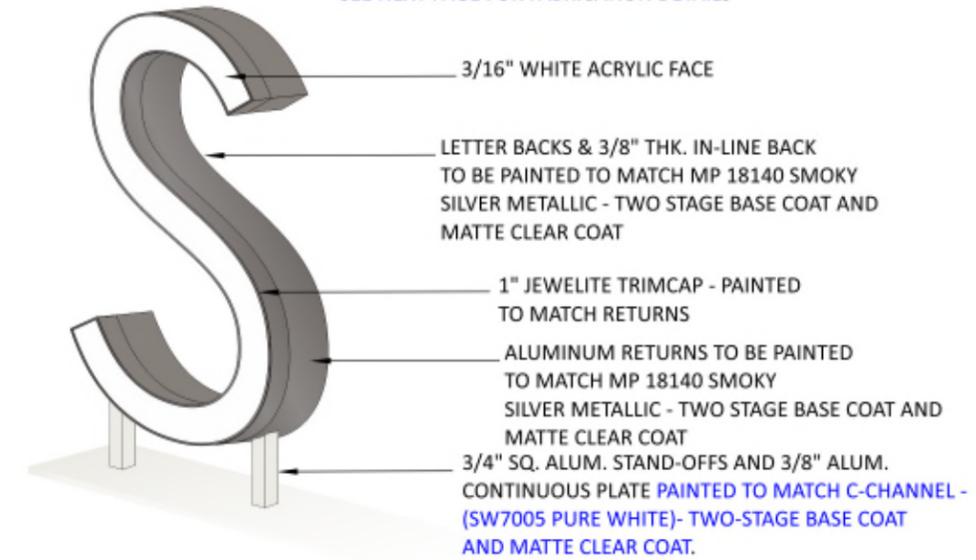
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\* SEE NEXT PAGE FOR FABRICATION DETAILS



**ISOMETRIC VIEW**



**NIGHT VIEW**

**A B** **FACE LIT LETTERS - CHANNEL MOUNTED** SCALE: 1/2" = 1' - 0"

TWO [2] REQUIRED - MANUFACTURE & INSTALL 35.84 SQ. FT.

**GENERAL SPECIFICATIONS:**

3" DEEP ALUMINUM CHANEL LETTERS w/ ALUMINUM RETURNS AND BACKS - PAINTED MP 18140 SMOKY SILVER METALLIC TWO-STAGE BASE COAT AND MATTE CLEAR COAT

3/8" THK. ALUMINUM IN-LINE BACK TO BE PAINTED MP 18140 SMOKY SILVER METALLIC TWO-STAGE BASE COAT AND MATTE CLEAR COAT

FACES TO BE 3/16" WHITE ACRYLIC w/ 1" JEWELITE TRIMCAP PAINTED TO MATCH RETURN.

LETTERS TO HAVE PRINCIPAL #3500K WHITE LED'S POWER SUPPLY LOCATED IN RACEWAY (SEE DETAIL) SLIGHTLY TIGHTEN LED SPACING FOR BRIGHTER ILLUMINATION.

3" x 4" x 1/8" THK. ALUM. FABRICATED RACEWAY WELDED TO PLATE BOTTOM OF MOUNTING PLATE. PAINT RACEWAY TO MATCH C-CHANNEL- (SW7005 PURE WHITE)- TWO-STAGE BASE COAT AND MATTE CLEAR COAT.

(1) 20 AMP CIRCUIT PER SIGN

LETTERS MOUNT TO STEEL C-CHANNEL (BY G.C.) w/ 3/8" x 7-1/4" (W) THK ALUM. CONTINUOUS MOUNTING PLATE AND 3/4" x 3/4" SQ. ALUM. POSTS (2) PER LETTER PAINTED TO MATCH SW7069 IRON OR w/ TWO-STAGE BASE COAT AND MATTE CLEAR COAT.

**TYPICAL LETTER COLOR/FINISHES**

-  MP 18140 SMOKY SILVER METALLIC TWO-STAGE BASE COAT AND MATTE CLEAR COAT
-  WHITE ACRYLIC
-  SW7005 PURE WHITE

<b>Design #</b>	
0821373AR05	
<b>Sheet 8 of 11</b>	
<b>Client</b>	
SHAKE SHACK	
<b>Address</b>	
501 WILSHIRE BLVD, SANTA MONICA, CA 90401	
<b>Account Rep.</b>	M WILSON
<b>Designer</b>	E CAMERON
<b>Date</b>	09/04/18
<b>Approval / Date</b>	
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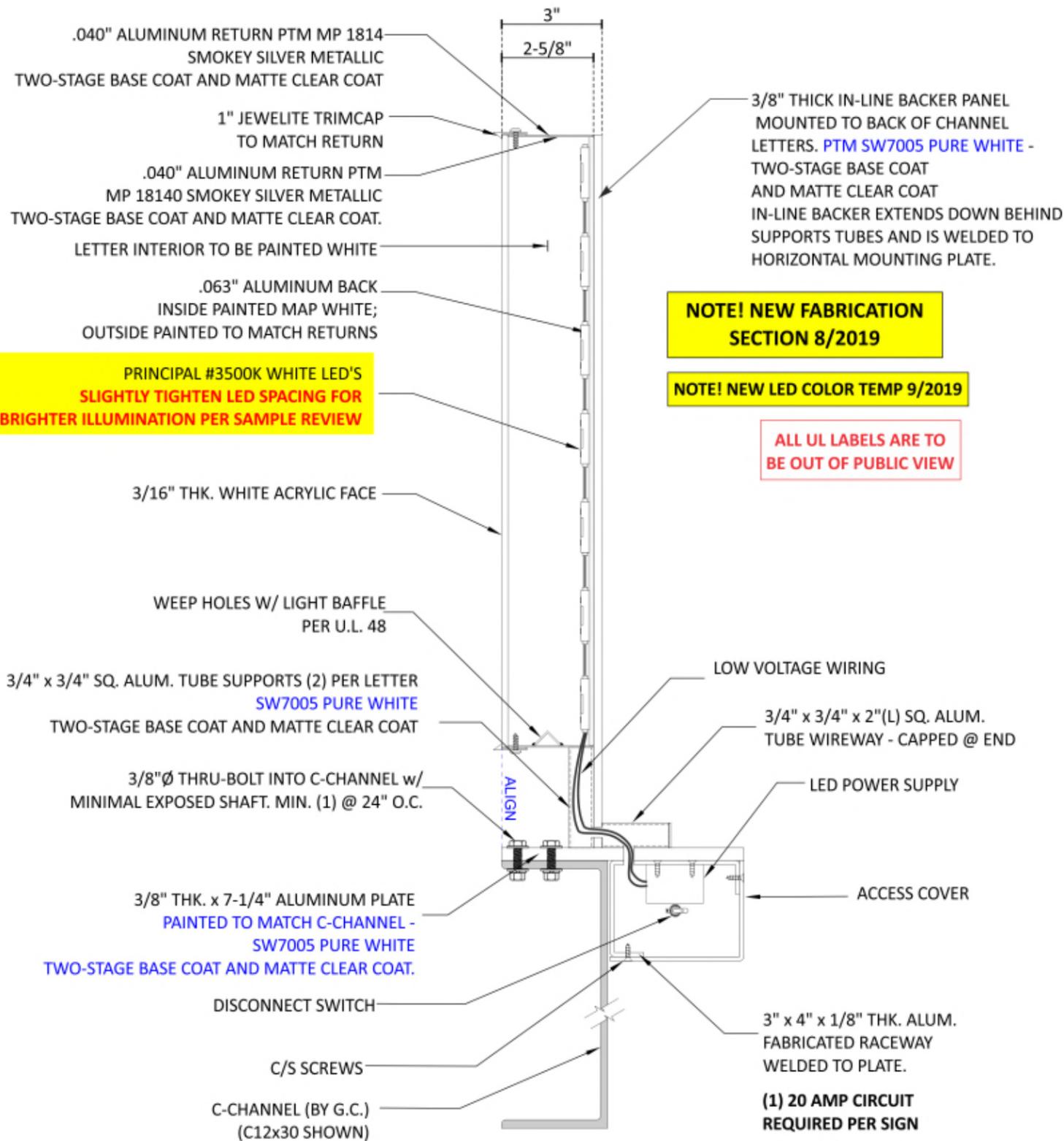
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# SHAKE SHACK

IN-LINE BACKER SHAPE



## CHANNEL LETTER DETAIL

SCALE: 3" = 1' - 0"

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0821373AR05	
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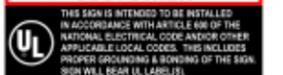


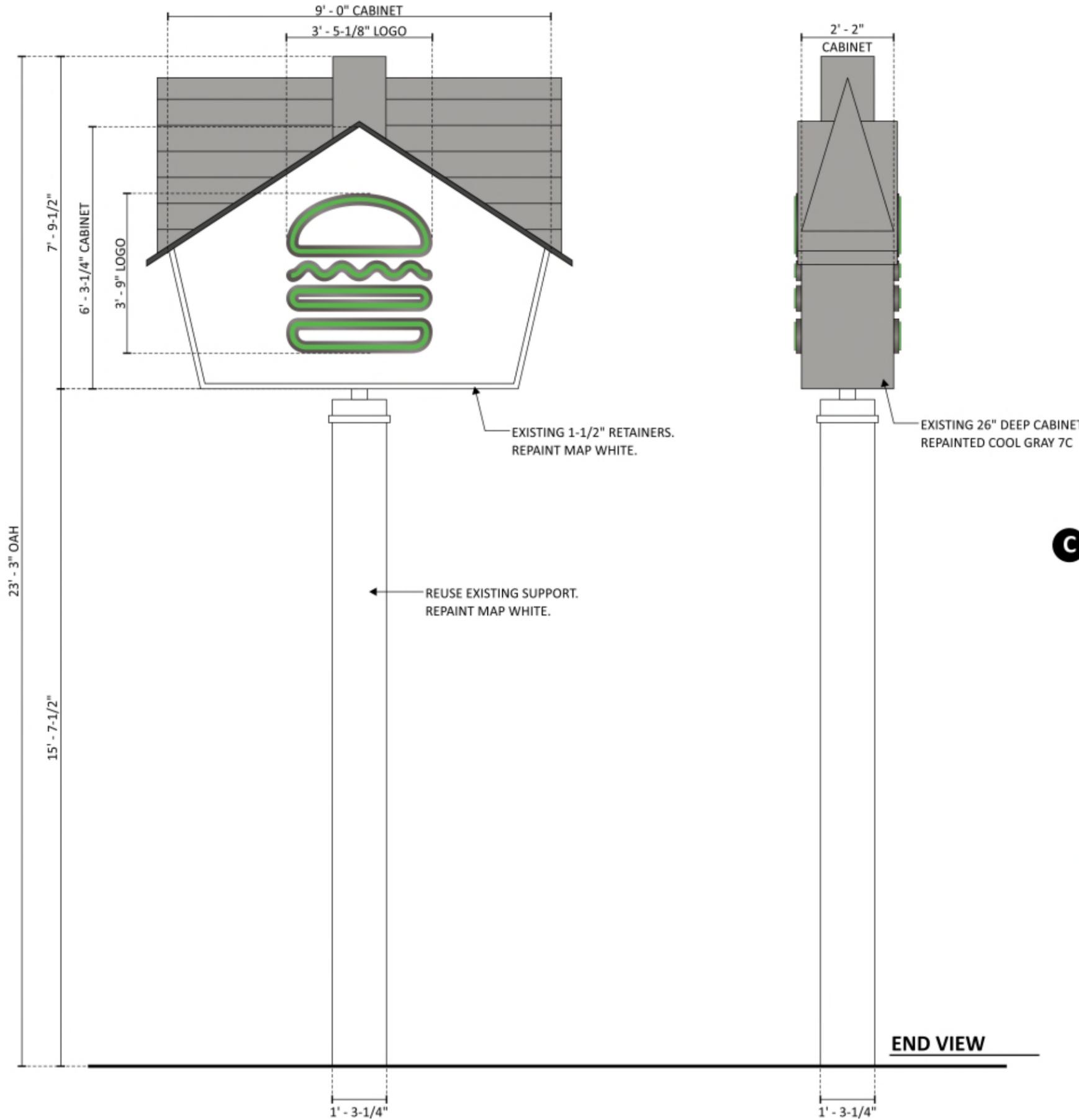
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**FINAL ELECTRICAL CONNECTION BY CUSTOMER**





**NIGHT VIEW**

\*SEE NEXT PAGE FOR FABRICATION DETAILS

**C D/F PYLON CABINET REFACE**

SCALE: 3/8" = 1' - 0"  
AREA = 12.9 SQ. FT.

ONE [1] REQUIRED - MANUFACTURE & INSTALL

GENERAL SPECIFICATIONS

**FACES:** REMOVE & DISPOSE OF EXISTING FACES.  
NEW .125" THK ALUM PAINTED MAP WHITE.

**BURGER LOGO:** 1-1/2" THK. WHITE ACRYLIC w/ CENTER ROUTED OUT FOR LED's AND SHOULDER CUT TO ACCEPT BACKS PTM MP 18140 SMOKY SILVER METALLIC TWO-STAGE BASE COAT AND MATTE CLEAR COAT

GRAPHIC AREAS ARE 3/4" THICK [1/2" PROJ] CLEAR ACRYLIC W/ 3630-106 BRILLIANT GREEN VINYL APPLIED FIRST AND SECOND SURFACE.

ILLUMINATE W/ PRINCIPAL #3500K WHITE LEDS.

CHANNELS MOUNT FLUSH TO NEW .125" ALUM FACES.

REPAINT EXISTING RETAINERS & POLE COVER MAP WHITE.  
REPAINT EXISTING RETURNS & TOPPER TO MATCH PMS COOL GRAY 7C.

**TYPICAL LETTER COLOR/FINISHES**

-  MP 18140 SMOKY SILVER METALLIC W/CLEAR COAT, MATTE FINISH
-  3M 3630-106 BRILLIANT GREEN TRANSLUCENT VINYL
-  CLEAR ACRYLIC

**END VIEW**

<b>Design #</b>	0821373AR05
<b>Sheet</b>	10 of 11
<b>Client</b>	SHAKE SHACK
<b>Address</b>	501 WILSHIRE BLVD, SANTA MONICA, CA 90401
<b>Account Rep.</b>	M WILSON
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**FINAL ELECTRICAL CONNECTION BY CUSTOMER**



**NOTE! NEW DETAILS FOR BURGER LOGO  
REF APPROVED SAMPLE 822901**

FACE / RETURNS: 1-1/2" THK. WHITE ACRYLIC  
w/ CENTER ROUTED OUT FOR LED'S AND  
SHOULDER CUT TO ACCEPT BACKS  
PTM MP 18140 SMOKY SILVER METALLIC  
TWO-STAGE BASE COAT AND **MATTE** CLEAR COAT

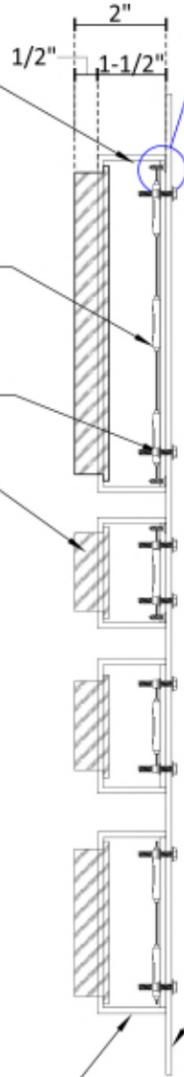
**PRINCIPAL #3500K WHITE LED'S  
SLIGHTLY TIGHTEN LED SPACING  
FOR BRIGHTER ILLUMINATION PER SAMPLE REVIEW**

.125" ALUM. BACK

3/4" THK. (1/2" PROJECT.) SHOULDER  
CUT CLEAR ACRYLIC  
ROUTED /PUSH THRU BURGER  
**NEW: BUFF TO SEMI-POLISHED FINISH**

**1st. & 2nd SURFACE** APPLIED 3M-3630-106  
BRILLIANT GREEN TRANSLUCENT VINYL

**BACK TO BE FLUSH TO THE EDGE OF ACRYLIC  
MAINTAINING MAX 2" PROJECTION  
FASTENERS TO BE ON THE BACK  
REF WO# 822901 FOR APPROVED SAMPLE**



WEEPHOLES W/ LIGHT SHIELDS  
AS REQUIRED PER UL

.125" THK ALUM FACE  
PTM MAP WHITE

**PUSH-THRU BURGER DETAIL**  
SCALE: 3" = 1' - 0"

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<b>Landlord</b>	
<b>Revision/Date</b>	
R01:TB-09/06/2018: BAND OF LETTERS TO WHITE ON WHITE, CUSTOM LAYOUT CALLOUT	
R02:PM-04/12/19-REMOVE (D,E,F), REVISE TO 24" LETTERS (A,B), REVISE TO REFACE (C)	
R03:PM-04/22/19-UPDATE W/ NEW COLOR OPTIONS FOR CABINET (C)	
R04:EL-10/07/19:REMOVE OPT 1&3 (C). UPDATE SIGN (A,B)	
R05:EL-10/09/19:REVERT TO OPTION 3 (C).	



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**FINAL ELECTRICAL  
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THIS SIGN IS INTENDED TO BE INSTALLED  
IN ACCORDANCE WITH ARTICLE 606 OF THE  
NATIONAL ELECTRICAL CODE AND/OR OTHER  
APPLICABLE LOCAL CODES. THIS INCLUDES  
PROPER GROUNDING & BONDING OF THE SIGN.  
SIGN WILL BEAR UL LABEL(S).







