

**CITY OF CARPINTERIA
ARCHITECTURAL REVIEW BOARD
Meeting of January 15, 2014**

Agenda Item #D-4

**COMMUNITY DEVELOPMENT DEPARTMENT
PROJECT REVIEW**

Project: 14-1740-DP/ARB **Planner:** Shanna R. Farley-Judkins
Address: 4879 Dorrance Way
APN: 003-440-021
Zoning: Planned Residential Development (PRD-20)
Applicant: Erik Olson

Project Review: Conceptual
 Preliminary
 Final

PROJECT DESCRIPTION

This is the preliminary review of a request to construct a 2,634 square foot two story single family residence and attached two-car garage. The proposed structure would measure a maximum height of roughly 24 feet nine inches. The proposed unit's habitable space would be 2,199 square feet, with four bedrooms and three bathrooms. The garage would measure 435 square feet and accommodate two parking spaces. The proposed project has a craftsman architectural style.

Plans are attached as Exhibit A.

PROJECT SETTING

The project site is located at 4879 Dorrance Way. The property was previously developed with a 798 square foot single family house and detached 252 square foot garage. The property measures 4,135 square feet.

The project site is located in the Beach Neighborhood which consists of a mix of single family and multi-family residential structures. Immediately adjacent to the subject property is a single family residence to the east and west, multifamily residences to the south and north. The site is zoned Planned Residential Development (PRD-20) and has a Medium density Residential Designation (MDR).

PROJECT ANALYSIS

Carpinteria Municipal Code

The following table identifies the project's conformance with Municipal Code requirements:

Standard	Requirement/Allowance	Proposal
Setbacks		
Front	50 feet from centerline of street 5 feet from property line, whichever greater.	House 50 feet from centerline Front Porch 40 feet from centerline*
Sides	5 feet	5 feet
Rear	15 feet	15 feet
Height	30 feet	24 feet 9 inches
Building Coverage	50% (2,067.5 square feet)	41% (1,702 square feet)
Common Open Space	20% min. (827 square feet)	29% (1,195 square feet)
Density	20 Units Per Acre	1 Unit
Parking	2 Car Garage	2 Car Garage

*The porch requires a modification to the front yard setback which encroaches 10 feet into the setback.

Zoning Issue

The project meets most of the Zoning requirements for the Planned Residential Development Zone District. The majority of the structure meets setback requirements, but the porch facing the front of the lot encroaches into the front setback by ten feet. As outlined in Municipal Code §14.50.120, the application will require a modification to the setback requirement to allow the porch to encroach beyond the front setback. The Board should comment on the location of the porch in consideration of the modification that will be considered. The modification will be reviewed along with the Development Plan for the project which is tentatively scheduled for February 2, 2015.

Design Review

The project includes the construction of a new two story single family residence. The proposed residence would be finished in a craftsman style, which includes a covered front porch, projecting eaves with knee braces, and exterior siding in hardi-shingles and hardi-plank siding. The proposed color pallet includes white trim details with a two tone body in a beige and brown tones. The project would use stone veneer along the foundation and permeable paving stones in the front yard walkway. The proposed architectural style of the home is similar to other newer homes in the neighborhood, many of which have been designed in a craftsman or cottage style.

General Plan/Coastal Plan Neighborhood Policies

The project site has a General Plan/Local Coastal Plan designation of Medium Density Residential (MDR), and is zoned Planned Residential Development (PRD-20). The City's Community Design Element of the General Plan contains both general over-arching policies and specific sub-area policies. The project site is in Design Subarea 1 (Downtown Beach Neighborhood).

Overall Design

Citywide Community Design Objective CD-1: *The size, scale and form of buildings, and their placement on a parcel should be compatible with adjacent and nearby properties, and with the dominant neighborhood or district development pattern.*

Citywide Community Design Objective CD-2: *Architectural designs based on historic regional building types should be encouraged to preserve and enhance the unique character of the city.*

Citywide Community Design Objective CDS1-3: *Ensure that the scale and character of new development is consistent with the existing small-scale character of the residential neighborhood and that it is consistent with the neighborhood "small beach town" image. Discourage new development of large, "boxy" buildings, with ground floors primarily devoted to garages.*

Subarea 1 Design Guidelines DG-2: *New or modified buildings should be compatible with surrounding buildings and with the character of the Beach Neighborhood. The small beach town charm should be reflected in the scale and form of the building.*

Subarea 1 Design Guidelines DG-3: *Buildings should be composed of varying masses. Variety in the shape, scale and design of buildings is encouraged throughout the neighborhood.*

Subarea 1 Design Guidelines DG-4: *For single family dwellings, the second story should comprise not more than 40% of the total building square footage (including garages).*

Subarea 1 Design Guidelines DG-7: *Maximum building heights over 26 feet for two-story structures are discouraged.*

Subarea 1 Design Guidelines DG-10: *Building façades longer than 20 feet should incorporate design features such as larger windows or off-set wall planes.*

Subarea 1 Design Guidelines DG-12: *Large roof masses should be avoided. Roofs should feature varied and articulated roof planes, which may include but are not limited to front-facing gables, cross gables or hipped roofs. Flat roofs and side-facing gables are discouraged.*

The project proposes use of a craftsman architectural style. The homes design includes a front porch with column and footing elements. The second floor balcony includes similar support details as the proposed porch. The forward facing porch and balcony introduce a neighborhood friendly element to the street.

The eaves are supported by knee braces and timber header, which are appropriate to the craftsman style. The height of the structure would reach a maximum of 24 feet nine inches, which is compatible with above guideline DG-7.

The scale and mass of the home is stacked from the ground floor to the second floor without any breakups. The overall massing of the structure is boxy, only being stepped back along the front

and rear of the home. In general, the second floor should measure less than 40% of the homes total square footage which is analyzed in Design Guideline DG-4. The mass of the second floor comprises 39% of the homes total mass which although complies with Design Guideline DG-4, could be shifted to reduce the mass on the sides of the home, as viewed from the street. **As suggested in the above policies and guidelines, further articulation should be considered on the second floor, especially along the side elevations. The east and west side elevations should consider introduction of breakups or larger detail elements to reduce the mass of the large facades as described above in Design Guideline DG-10.**

Frontage Design

Citywide Community Design Objective CD-5: *The streets of neighborhood interiors should be designed to be the "living rooms" of the neighborhood, where children and adults can safely play or walk. The design and details of streets, frontages and buildings should support this objective.*

Citywide Community Design Policy CD-5a: *Main entrances to homes should be oriented to the street. Entry elements such as porches, stoops, patios and forecourts are encouraged. Such entry elements should be selected for their compatibility with the adjacent houses and the general neighborhood pattern.*

Subarea 1 Design Guidelines DG-5: *Second floor frontages should be stepped in at least three feet from the ground floor façade in order to maintain single story elements along the street frontage and reduce the prominence of second floors.*

Subarea 1 Design Guidelines DG-13: *Frontages that include porches and/or yards where residents may sit or interact with the public realm are encouraged. A boundary such as a landscape feature between the public realm (i.e., the street or sidewalk) and the private realm (the private property) may exist, but not in a manner that prevents the desired interaction.*

Subarea 1 Design Guidelines DG-22: *Bay windows, dormers, balconies, covered porches and other decorative elements are encouraged when appropriate to the architecture of a building, particularly when these elements are oriented toward a public street, public space or open space.*

Subarea 1 Design Guidelines DG-23: *Fenestration should be provided to add architectural interest when façades are visible from the public realm.*

Subarea 1 Design Guidelines DG-24: *Exterior architectural detail and treatment should be carried around all sides of the building.*

In general, the frontage design of the proposed home includes elements of the craftsman style of architecture which is compatible with other homes in the vicinity. The home's front door and porch are oriented towards the street, as suggested in the policies and guidelines above. The second floor balcony roof repeats the same heavy overhang used on the porch and includes similar column and support details. The eaves and knee brace elements are carried around the

sides of the home creating a cohesive visual impact from the front and sides of the home. In general, the proposed structure incorporates suitable architectural elements.

The forward face of the second floor is stepped back from the ground level by five feet, although the mass of the second floor is not stepped in from the sides of the home. **The Board should consider further articulation along the sides of the second floor to reduce the mass as viewed from the street.**

Garage

Citywide Community Design Policy CD-5b: *Garages should not dominate views from any public street.*

Citywide Community Design Implementation Policy CDS1-a. 4: *No more than 50 percent of the facade width should be occupied by garage doors.*

Subarea 1 Design Guidelines DG-17: *Garages and driveways should not dominate the habitable frontage of the dwelling...Garages included as part of the frontage design of the house are acceptable but should include measures to reduce their prominence.*

Subarea 1 Design Guidelines DG-18: *Garage design may include windows, trellises, separate doors, decorative trim and other architectural elements to enhance the aesthetics of the garage. When placed at the front of a house garages should be set back from the main frontage and entry.*

The garage placement is a prominent element along the frontage of the home. The garage and main face of the home are broken up by the projection of the front porch which stands forward of the face of the building. The proposed garage door measures 44% of the total of the home's frontage. The garage design could include additional design elements such as separate doors or a trellis element to help integrate the garage into the overall design of the home as suggested by Design Guideline DG-18. **The Board should consider the prominence of the garage in the overall design of the home.**

Fences

Citywide Community Design Policy CD-5c: *Low walls, low fences and hedges should be encouraged along the frontages to define the edge of the private yard area, where appropriate.*

Subarea 1 Design Guidelines DG-34: *Along street frontages, open fence types such as picket, wrought iron or post and rail are preferred. Chainlink and solid fencing materials are discouraged but if they are used, should be screened with landscaping to the height of the top of the fence or wall.*

A three foot high picket fence with a 42 inch high stone columns is proposed along the front property line and provides delineation of the private yard, while allowing adequate visibility of the home from the street. The project includes a six foot wood fence along the side and rear yards.

Privacy

Subarea 1 Design Guidelines DG-26: *Second floor balconies, windows and decks that are oriented toward the public realm are preferred. When these features face adjacent private properties, they should be located and designed to protect privacy.*

The project includes a second floor balcony which faces the front of the site and several second floor windows. The small balcony is centered on the home and avoids privacy impacts to neighbors to either side. The second floor windows are placed to be offset from the windows on the neighboring homes to the west, east and south, therefore privacy impacts are not anticipated.

Encroachment Plane

Subarea 1 Design Guidelines DG-1: *The primary dwelling should not be located beyond a side yard encroachment plane defined as follows: a 15-degree angle measured from the vertical, at a point beginning six feet above the existing grade along the interior side property line(s). For street side yards, the standard setback shall be applied. Encroachments consistent with those defined in CMC Section 14.50.070, General Yard Regulations, (i.e...eaves, ornamental features and uncovered landings) are permitted.*

The proposed structure is placed just outside of the allowed encroachment plane, as described in the guideline above. The project proposes to allow the eaves to encroach by approximately one foot beyond the encroachment plane where Municipal Code §14.50.070 allows encroachment of up to three feet. Although permissible, the Design Guidelines suggest that the whole of the structure should be placed outside of the encroachment plane.

Landscaping

Subarea 1 Design Guidelines DG-15: *Dwellings should include a pathway separate from the driveway to lead pedestrians from the front door to the street or sidewalk.*

Subarea 1 Design Guidelines DG-27: *Trees, shrubs and other low plantings should be compatible with the surrounding landscape and urban form. Plantings should include native or drought-tolerant species and trees that complement the public realm. Native species are encouraged where appropriate.*

Subarea 1 Design Guidelines DG-29: *Landscaping should allow visibility of the building and complement its architecture, without hindering privacy or causing excessive shading or leaf litter on adjacent lots.*

Subarea 1 Design Guidelines DG-30: *Hardscape materials should complement the building and be distinguishable from materials used in the public realm. Hardscape that incorporates varied materials, textures and designs is encouraged.*

Subarea 1 Design Guidelines DG-31: *Permeable materials are encouraged for all driveways and parking areas to reduce runoff.*

The site plan identifies permeable paving blocks and a landscaped strips within the driveway which are compatible with Design Guidelines 31 above. The landscape plan identifies a mix of

drought tolerant and decorative species. A fence is proposed along the front line of the property to identify the boundary of the lot.

Lighting

Subarea 1 Design Guidelines DG-36: *Outdoor lighting should include: Fully shielded fixtures positioned so that light is not visible above the horizontal plane of the fixture; Motion sensor and timers to keep lights off when not in use; Energy efficient light types with low watts and lumens; Fewest number of fixtures possible at minimum height necessary; and Cutoffs for fixtures to prevent spillover onto neighboring properties.*

The project has not yet included light specifications for the site. **Staff suggests that prior to final review of the project, light specifications be provided to accommodate the above guidelines.**

SUMMARY OF ISSUES

- Mass and Scale;
- Development Plan Modification for Porch;
- Second Floor Articulation;
- Garage Mass;
- Encroachment Plan;
- Landscape Plan; and
- Exterior Lighting.

RECOMMENDATION

The Board should comment on the issues raised. If the Board feels the project meets acceptable design criteria, the Board should recommend preliminary approval with their comments attached to the Planning Commission.

ATTACHMENTS

Exhibit A- Site Plan, Elevations, Floor Plans, & Sections



② SITE PLAN
1/8" = 1'-0"



① DORRANCE WAY VIEW

SCOTT ELLINWOOD
FAIA

1300 CRAVENS LANE
CARPINTERIA, CA 93013
805-684-0593 sefaia@aol.com

NEW RESIDENCE

4879 DORRANCE WAY
CARPINTERIA, CA 93013

- .001 - TITLE & SITE PLAN
- .002 - FIRST & SECOND FLOOR PLANS
- .003 - BUILDING ELEVATIONS
- .004 - SECTIONS & ROOF PLAN
- .005 - LANDSCAPE PLAN
- .006 - STORMWATER PLAN

for
OLSON CONSTRUCTION CO.

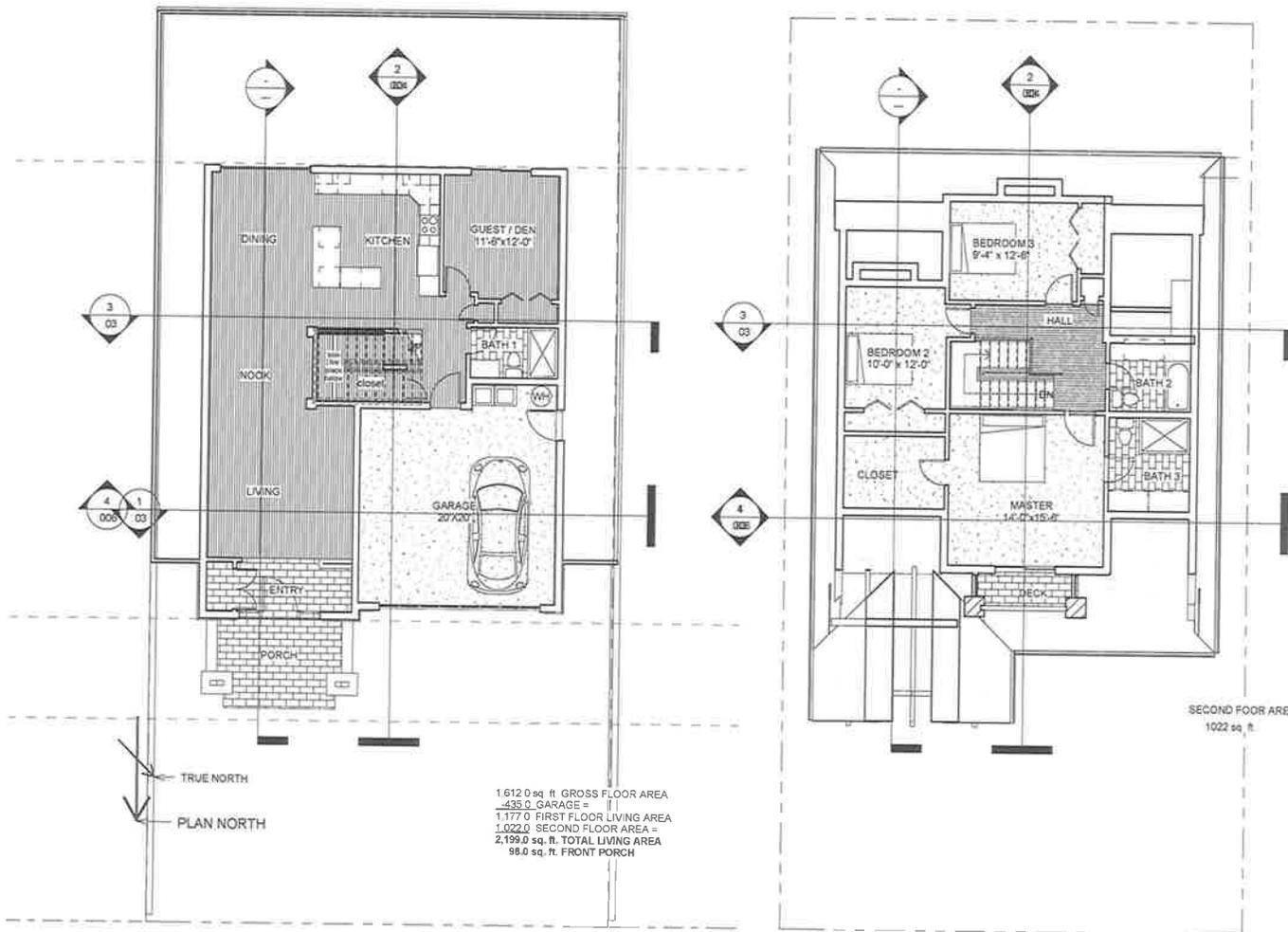
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DEPARTMENT

TITLE

.001





1,612.0 sq. ft. GROSS FLOOR AREA
 435.0 GARAGE = ||
 1,177.0 FIRST FLOOR LIVING AREA
 1,022.0 SECOND FLOOR AREA =
 2,199.0 sq. ft. TOTAL LIVING AREA
 98.0 sq. ft. FRONT PORCH

SECOND FLOOR AREA
 1022 sq. ft.

① FIRST FLOOR
 1/8" = 1'-0"

② SECOND FLOOR
 1/8" = 1'-0"

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FIRST & SECOND
 FLOOR PLANS

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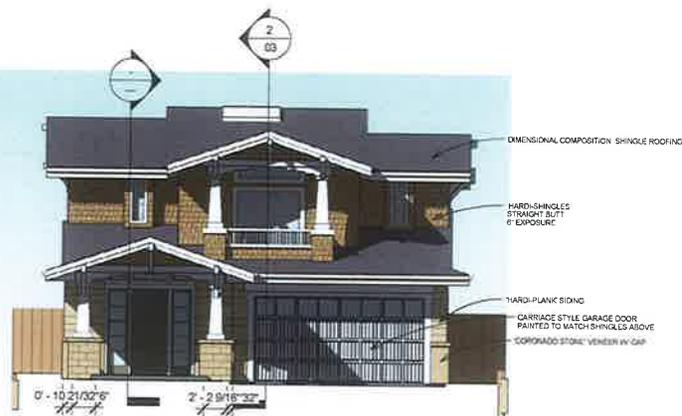
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④ EAST ELEVATION
1/8" = 1'-0"



① NORTH ELEVATION
1/8" = 1'-0"



③ WEST ELEVATION
1/8" = 1'-0"



② SOUTH ELEVATION
1/8" = 1'-0"

BUILDING
ELEVATIONS

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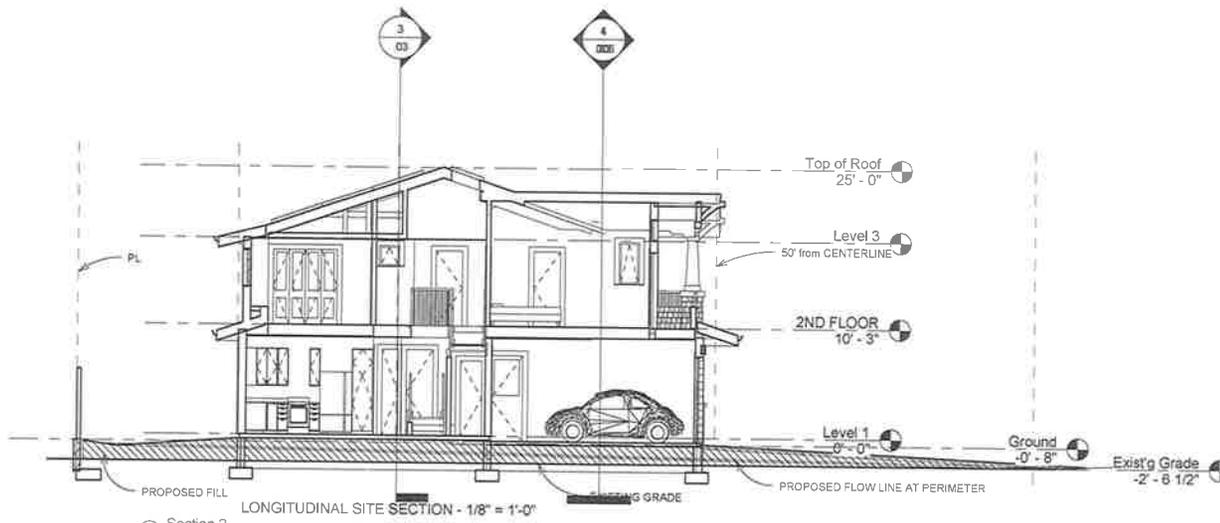
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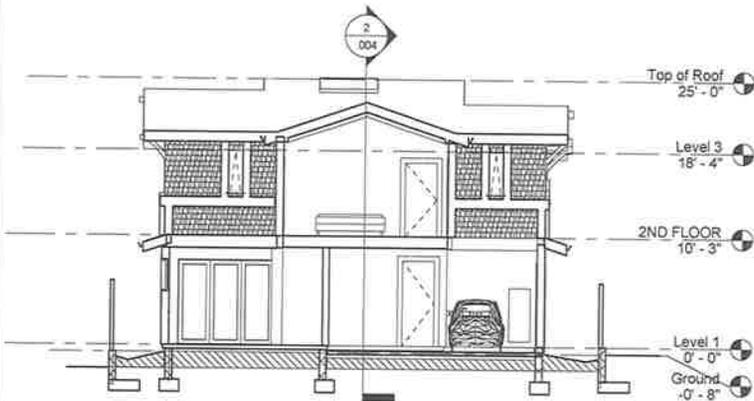
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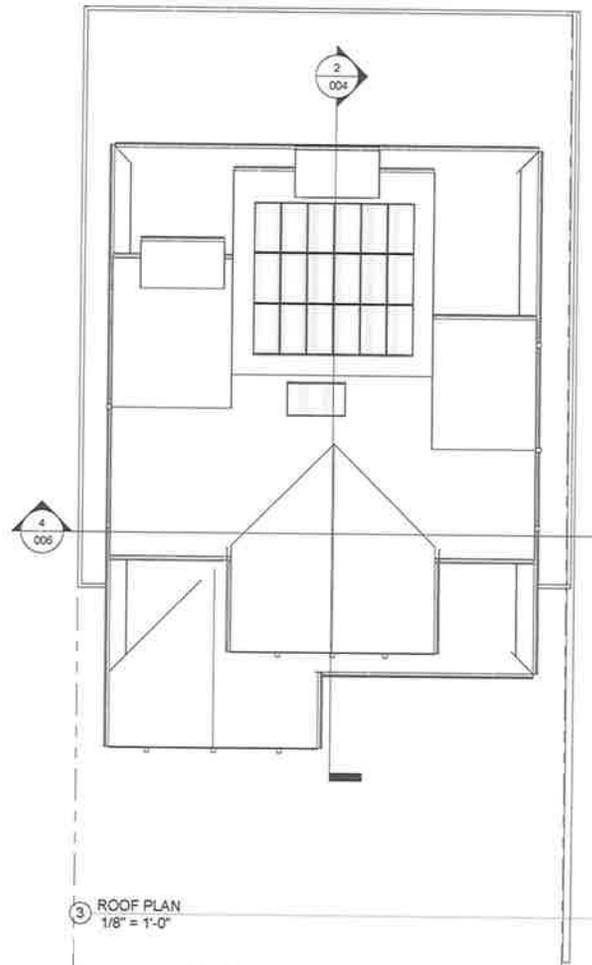
SECTIONS &
ROOF PLAN

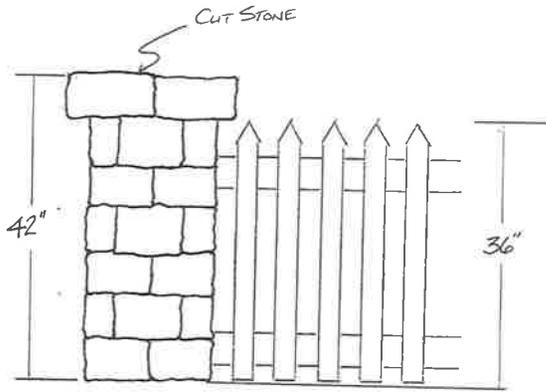


② Section 2
1/8" = 1'-0"



① Section 1
1/8" = 1'-0"





SCALE 1" = 10"

5-1 GAL DWF. NEW ZEALAND FLAX

4-5 GAL. HIBISCUS

EXISTING GIANT BIRD OF PARADISE

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existing palms

PATIO - permeable paving blocks

20-1 GAL. WAXY LEAF PRIVET

6' high board fence

NEW RESIDENCE

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40-1 GAL. JAPANESE BOXWOOD

FLAGSTONE PATH

3-15 GAL. CAMELLIA

80-1 GAL. JAPANESE BOXWOOD

5-5 GAL DWARF NEW ZEALAND FLAX

50' FROM CENTERLINE

20' FRONT YARD SETBACK

20-1 GAL AGAPANTHUS

6-1 GAL HUMMINGBIRD SAGE

36-1 GAL ECHEVERIA

1-15 GAL STRAWBERRY TREE

46-1 GAL GAZANIA

Groundcover planting strips

Permeable paving blocks

3-15 GAL INDIA HAWTHORN 'STANDARD'

42" CUT STONE PILLARS W/ CAP

PROPERTY LINES

CONCRETE DRIVE APRON TO CITY OF CARPINTERIA PW STDS

EDGE OF PAVING

CENTERLINE - DORRANCE WAY

LANDSCAPE PLAN

.005

Plant List

Quantity	Size	Botanical Name	Common Name/Remarks
1	15 gallon	Arbutus Unedo/Dwarf	Dwarf Strawberry Tree - Standard
3	15 gallon	Raphiolepis Indica Tree	India Hawthorn Tree - Standard
10	5 gallon	Phormium Tenax 'Jack Spratt'	Dwarf New Zealand Flax 'Jack Spratt'
4	5 gallon	Hibiscus	Hibiscus
120	1 gallon	Buxus Japonica Microphylla	Japanese Boxwood
20	1 gallon	Ligustrum Taxanum	Waxy Leaf Privet
20	1 gallon	Agapanthus Africanus	Blue African Lily
36	1 gallon	Echeveria	Echeveria
6	1 gallon	Salvia Spathacea	Hummingbird Sage
46	1 gallon	Gazania	Clumping Gold Gazania

1 LANDSCAPE PLAN
1/8" = 1'-0"

WADE NOMURA

NOMURA/YAMASAKI LANDSCAPES, INC # 330906

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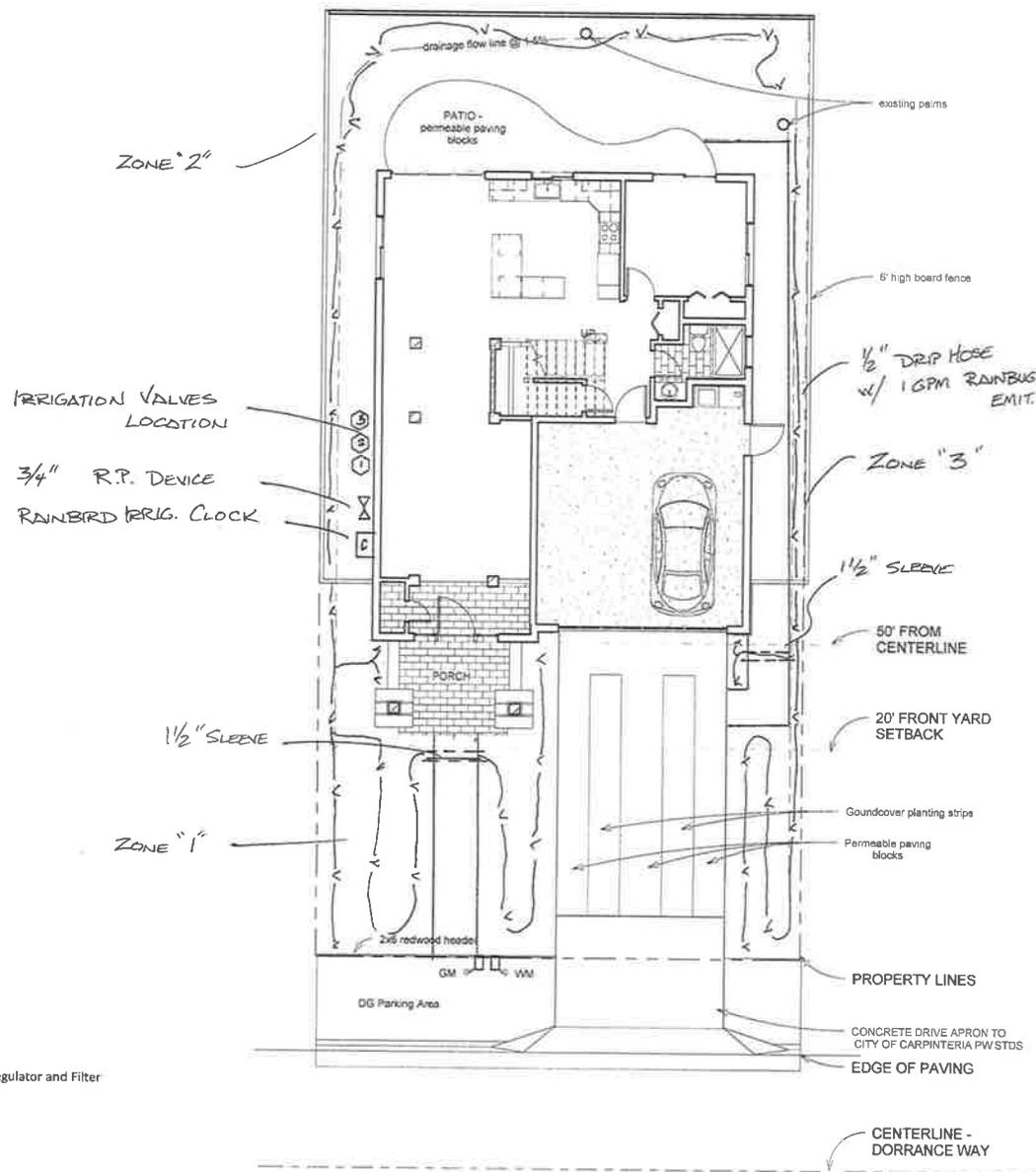
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LANDSCAPE
PLAN

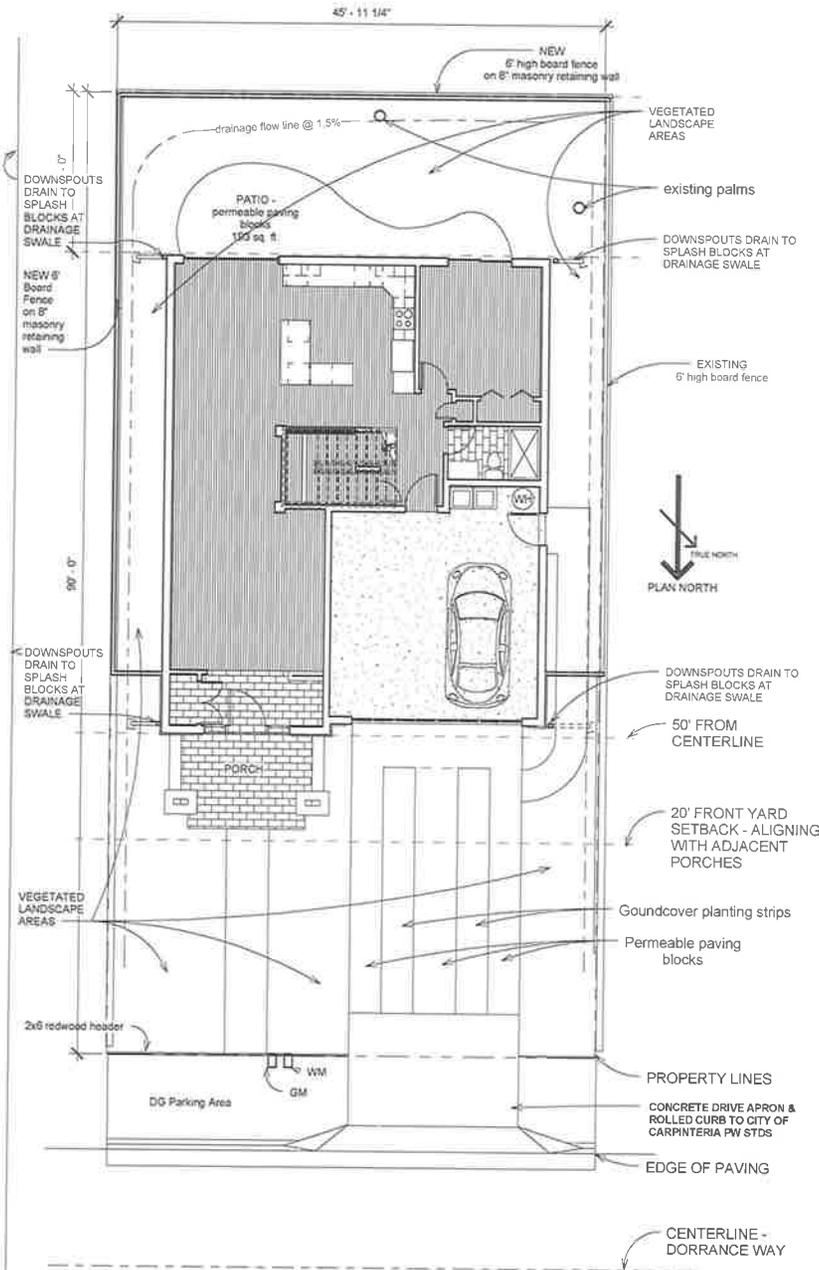


Irrigation

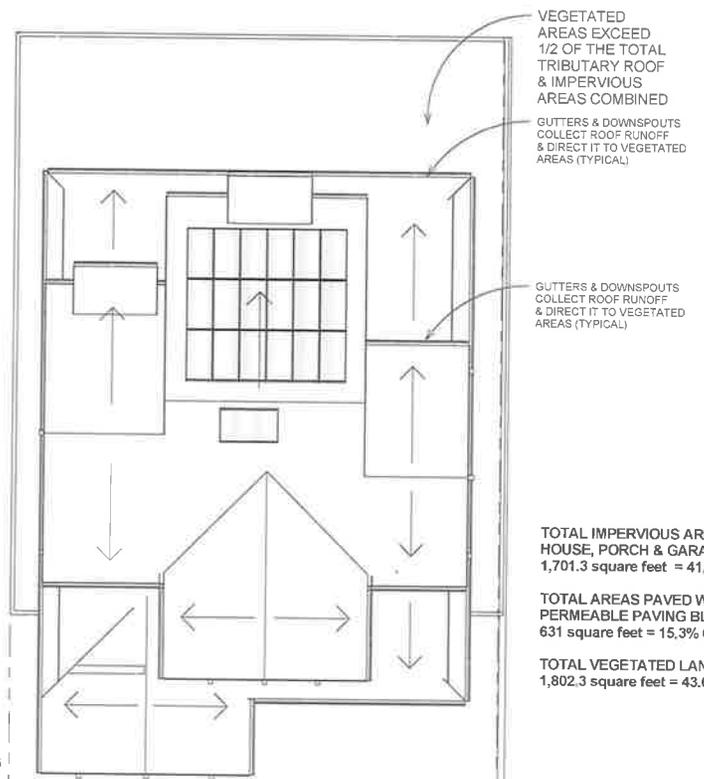
Quantity	Size	Manufacturer	Item
1	4 Station	Rainbird	ESP 4 Modular
1	3/4"	Wilkins	R.P Device Backflow Preventer
3	3/4"	Rainbird	DVF Series In-Line Valve w/ Pressure Regulator and Filter
	1/2"	Rainbird	XFD Dripline and fittings
	1-2 GPH	Rainbird	Xeri-Bug Emitters

① LANDSCAPE PLAN
1/8" = 1'-0"

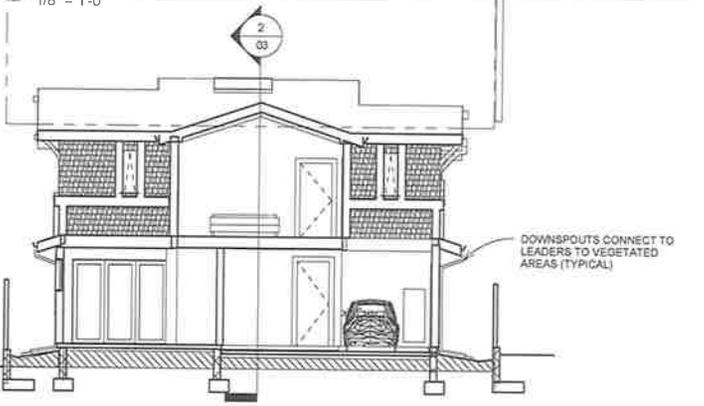
IRRIGATION PLAN



1 Stormwater Mitigation Plan
1/8" = 1'-0"



2 ROOF DRAINAGE PLAN
1/8" = 1'-0"



4 Section through Drainage swales
1/8" = 1'-0"

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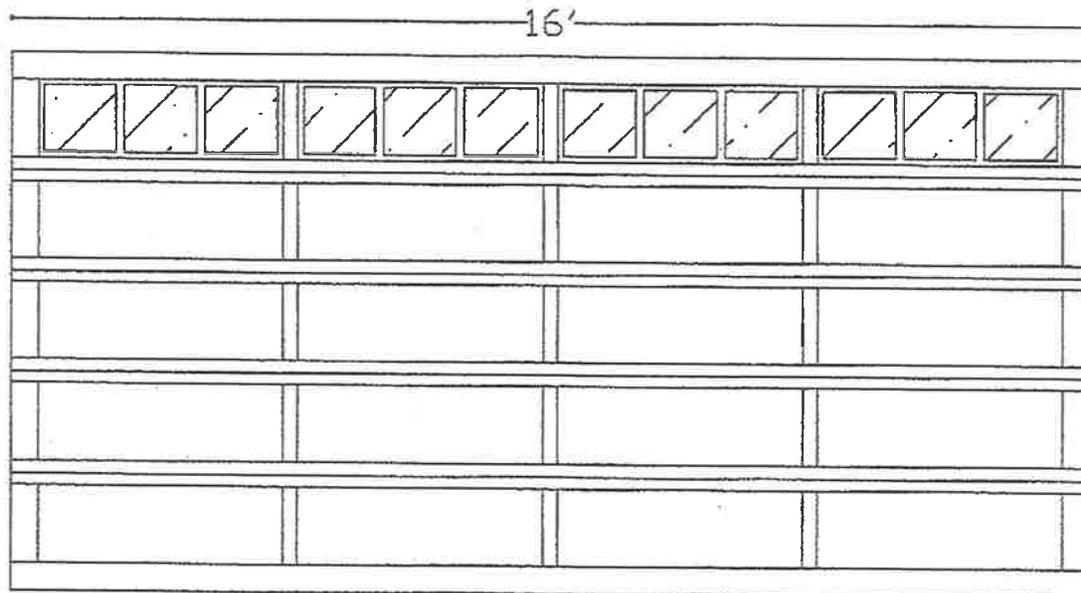
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STORMWATER
PLAN

PLEASE CHOOSE EDGE DETAIL

DRAWN BY **NT.**



8'

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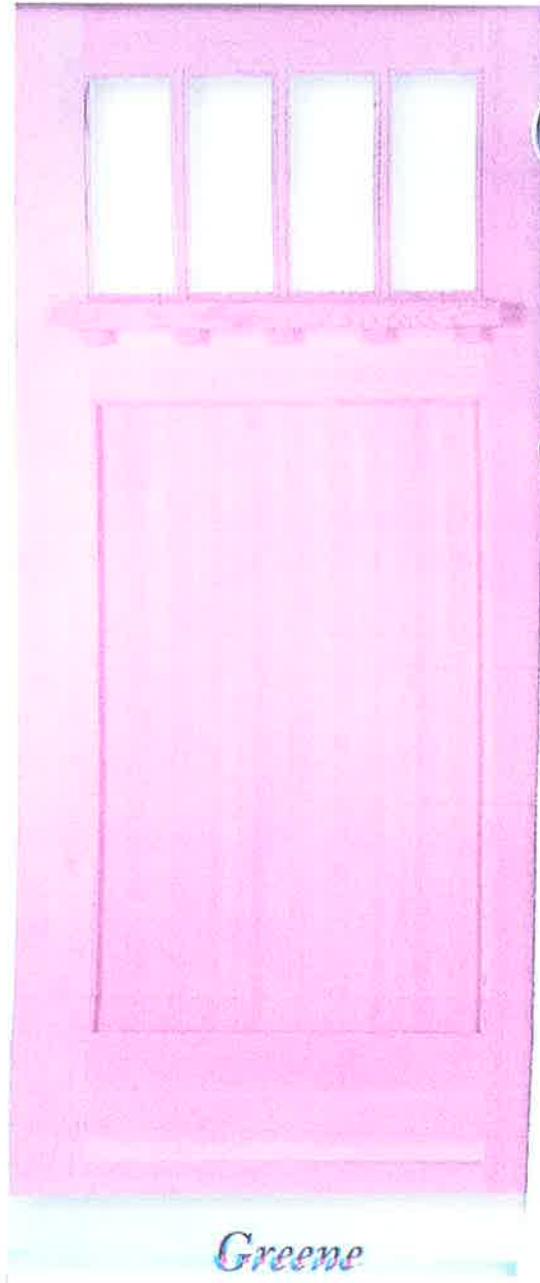
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COMMUNITY DEVELOPMENT
DEPARTMENT

PROPOSAL #	98822
WIDTH	16'
HEIGHT	8'
# OF DOORS	1
# OF SECTIONS	4

THE SPECIFICATIONS
PRESENTED IN THIS
DRAWING ARE CORRECT
AND ARE HEREBY
ACCEPTED. YOU ARE
AUTHORIZED TO DO THE
WORK AS SPECIFIED.

Carriage House Door COMPANY	
1421 RICHARDS BLVD SACRAMENTO, CA 95814	
PHONE 916-446-1226	FAX 916-446-7783
CLIENT NAME:	CONSOLIDATED OHD
DOOR DESIGN:	MODEL 4/5
DATE APPROVED:	
CLIENT SIGNATURE:	



Greene

Front Door

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

6" IC 900 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION

IC922LWDG4 RECESSED HOUSING

**LENSED TRIMS****PRODUCT DESCRIPTION**

Dedicated LED, Air-Loc® sealed new construction housing with patented WarmDim® technology • LED color temperature warms while dimming to emulate the dimming performance of traditional incandescent light sources • Shallow housing allows for fit in 2 x 6 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 75W PAR30 incandescent

PRODUCT SPECIFICATIONS

LED Light Engine Proprietary patented micro processor controlled light engine emulates dimming performance of incandescent light source • Replaceable light engine integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LEDs • 3000K color temperature at full lumen output • 90 CRI minimum throughout dimming range • Design covered under Patent US 8,710,754.

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 • Wide flood distribution shipped as standard with optional optic accessory available and sold separately.

Aesthetic Trim Selections Compatible with wide selection of existing Juno trims • Shadow free, knife edge design blends seamlessly into ceiling • Trims are wet location approved for covered ceiling applications.

LED Driver Dedicated 120 volt driver • Power factor > 0.9 • Dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • For a list of compatible dimmers, see [JUNOICLED-DIM](#) • Mounted between the j-box and housing for easy access and cool operation.

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

Labels UL listed for U.S. and Canada 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.

Product specifications subject to change without notice.

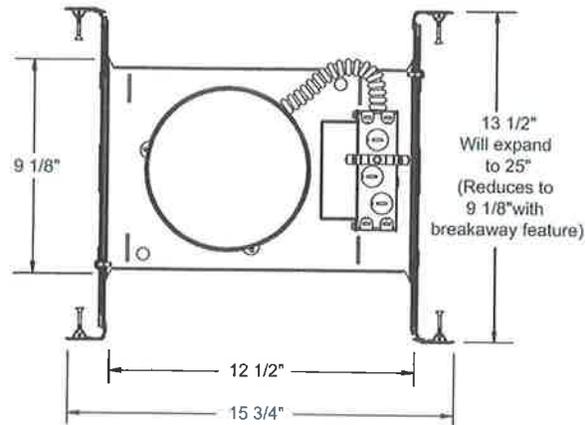
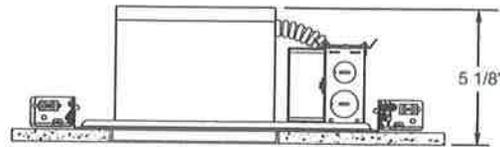
HOUSING FEATURES

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 (5) 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 Telescoping Real Nail 3® 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 • Design covered under Patent D552,969.

**DIMENSIONS**

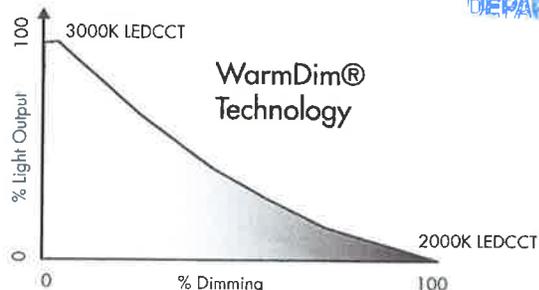
6 7/8" CEILING CUTOUT

ELECTRICAL DATA**Dedicated 120V Only Driver****120V**

Input Power	18.1W (+/-5%)
Input Current	0.15A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class B (residential)
Minimum starting temp	-25°C

RECEIVED

JAN 05 2015

COMMUNITY DEVELOPMENT
DEPARTMENT

6" IC 900 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION

IC922LWDG4 RECESSED HOUSING LENSED TRIMS

ORDERING INFORMATION: Housing, trim and accessories each ordered separately.

Example: **IC922LWDG4-3K-1**

Housing	Color Temperature	Input Voltage
IC922LWDG4	3K 3000K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)

Example: **2330W-WH**

Trim/Description		
	20-WH 20-PW	Albalite Shower/Closet Light
	21-WH 21-PW	Drop Opal Shower/Closet Light
	22-WH	Fresnel
	239-WH *	Frosted Lens
	242-WH 242-SC 242-ABZ	Shower Trim Frosted Lens with Clear Center
	243-WH *	Decorative Swirled Etched Opal Glass
	2330W-WH *	White Baffle, Regressed Frosted Dome Lens with Reflector
	2330B-WH *	Black Baffle, Regressed Frosted Dome Lens with Reflector
	6101-ABZ * 6101-SC * 6101-WH *	Beveled Frame - Frosted Dome Lens with Reflector

ACCESSORIES

Catalog No.	Description
LEDOPTICG3-M	Medium Flood Optic (50°)

To order, specify catalog number.

UL Listed for use in wet location.

* Do not use reflector shipped with trim for LED housing.

Trim Size: 2330 - 7³/₈" O.D.; 239, 242, 243, 9900 - 7⁵/₈" O.D.; 6101 - 7³/₄" O.D.; 20, 21, 22 - 8" O.D.
Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White, PW - Plastic White (Polycarbonate material shower trim).

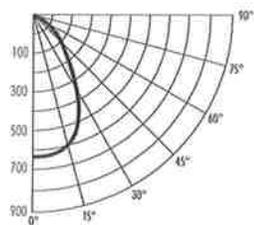
Note: In Canada when insulation is present, Type IC fixtures must be used.

Air-Loc JUNO IC housings meet IECC Energy Code requirements per ASTM E283.

Air-Loc[®] rated trims are pre-gasketed for minimum air leakage with IC housings.

PHOTOMETRIC REPORT

Test Report #: PTO4141004
Catalog No: IC922LWDG4-3K
with 239-WH Trim and Standard Wide Flood Optic
Luminaire Spacing Criterion: 0.90
Luminaire LPW: 46



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	643
5	633
15	553
25	407
35	249
45	138
55	82
65	52
75	30
85	9
90	0

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	57	45	38
5.0'	37	29	24
6.0'	25	20	17
7.0'	21	16	14
8.0'	16	13	11
9.0'	12	10	8
10.0'	9	7	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	399	N/A	48.1
0-40°	555	N/A	66.9
0-60°	738	N/A	88.9
0-90°	830	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 17.9W, 60.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	40.2	4.7'
6	17.9	7.0'
8	10.0	9.3'
10	6.4	11.7'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	10689
55	7830
65	6739
75	6243
85	5341

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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