

451 Ocean Drive



Building Plans





PATTY AND TOM KELLEY

451 OCEAN DRIVE, JUNO BEACH, FL 33408

SHEET	DESCRIPTION		
	COVER SHEET		
A0	SITE PLAN		
A1	FIRST FLOOR PLAN		
A2	SECOND FLOOR PLAN		
A3	ELEVATIONS		
A4	ELEVATIONS		
A5	ROOF PLAN		

BUILDING DESIGN DATA

CODES: FLORIDA RESIDENTIAL BUILDING CODE 2023 8TH EDITION - RESIDENTIAL
ENERGY CONSERVATION, PLUMBING, MECHANICAL AND ELECTRICAL
NFPA FL. FIRE PREVENTION CODE 8th ED.
NEC NATIONAL ELECTRIC CODE 2023, NFPA 70
CARBON MONOXIDE DETECTORS REQUIREMENTS PER FL ADMINISTRATIVE CODE
RULE 9B-3.0472
ACI 318-19
ASTM 47th ED. E1527-21

DESIGN CRITERIA

CITY/COUNTY	JUNO BEACH, PALM BEACH, FL
OCCUPANCY GROUP	R-3
NUMBER OF STORIES	2
BUILDING CATEGORY	ENCLOSED
BASIC WIND SPEED, MPH	170
WIND IMPORTANCE FACTOR	1.0
WIND EXPOSURE FACTOR	C
INTERNAL PRESSURE COEFFICIENT	+/- .18
MINIMUM SOIL PRESSURE, PSF	2500
FLOOR LOAD, PSF	65
ROOF DEAD LOAD, PSF	25
ROOF LIVE LOAD, PSF	30
CONSTRUCTION TYPE	VB UNPROTECTED

OWNER: PATTY AND TOM KELLEY 451 OCEAN DRIVE JUNO BEACH, FL 33408	ARCHITECT: ARISE ARCHITECTURE LLC 13901 US-1 #2, JUNO BEACH, FL 33408	STRUCTURAL ENGINEER: ADAM GINSBERG, P.E. 2901 CLINT MOORE RD #237 BOCA RATON, FL 33496	CONTRACTOR: FIRST PREMIER HOMES 725 N A1A SUITE C111 JUPITER, FL 33477
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SITE DATA TABLE	
BUILDING FOOTPRINT	4,262 SQ FT
1ST FLOOR AREA	3,107 SQ FT
GARAGE AREA	1,155 SQ FT
TOTAL SITE AREA	13,291 SQ FT
25% LANDSCAPE AREA = 3,323 SF PROVIDE = 3,500 SF	
LANDSCAPE AREA =	<div></div>

ZONING REQUIREMENT		
PER THE CITY OF JUNO BEACH		
	REQUIRED	PROVIDED
MINIMUM FRONT SETBACK	25'-0"	25'-0"
MINIMUM SIDE SETBACK	10'-0"	12'-6"
MINIMUM SIDE SETBACK (OCEAN DR.)	20'-0"	22'-6"
MINIMUM REAR SETBACK	10'-0"	10'-0"
MAXIMUM HEIGHT: 2-STORIES	30'-0"	25'-10"
MAXIMUM COVERAGE	35%: 4,652 SF	4,262 SF
MAXIMUM BUILDING DIM	100'-0"	100'-0"
MINIMUM LANDSCAPE AREA	25%: 3,323 SF	3,500 SF
MINIMUM PARKING REQUIRED	2 SPACES	4 SPACES



ARISE ARCHITECTURE, LLC

www.arisearch.com

ARISE ARCHITECTURE, LLC
561.866.2717 TDS
www.arisearch.com

451 OCEAN DRIVE

PROJECT FOR:

**PATTY AND
TOM KELLEY**

451 OCEAN DRIVE, JUNO BEACH, FL
33408

SEAL/SIGNATURE/DATE:
LICENSE # A0103314

PROJECT NUMBER: 20220001

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE PLANS
AND SPECIFICATIONS COMPLY WITH THE MINIMUM
BUILDING CODES AND THE APPLICABLE FIRE SAFETY
STANDARDS AS DETERMINED BY LOCAL AUTHORITY IN
ACCORDANCE WITH SECTION 116, FLORIDA BUILDING
CODE AND CHAPTER 633, FLORIDA STATUTES.

TO THE BEST OF THE STRUCTURAL ENGINEER'S
KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY
WITH THE APPLICABLE FIRE SAFETY STANDARDS AS
DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE
WITH CHAPTER 633, FLORIDA STATUTES.

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ARCHITECTURE, LLC.

No.	Description	Date

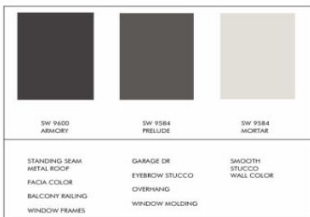
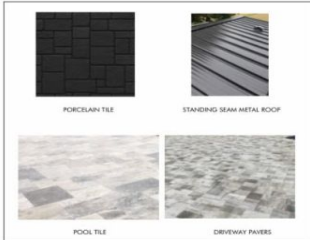
NOT FOR CONSTRUCTION

ELEVATIONS

Date: **AUG 20, 2025**
Drawn By: **MLY**
Checked By: **CL**

A3

Scale: As indicated





1 REAR ELEVATION MATERIAL
1/4" = 1'-0"



2 EAST ELEVATION MATERIAL
1/4" = 1'-0"



ARISE ARCHITECTURE, LLC

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361.866.2719 TEL
www.arisearch.com

451 OCEAN DRIVE

PROJECT FOR:

**PATTY AND
TOM KELLEY**

451 OCEAN DRIVE, JUNO BEACH, FL
33408

SEAL/SIGNATURE/DATE
LICENSE # : AR100314

PROJECT NUMBER: 20230501

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE PLANS
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No.	Description	Date

NOT FOR CONSTRUCTION

ELEVATIONS

Date: **AUG 20, 2025**

Drawn By: **MLY**

Checked By: **CL**

A4

Scale: **As indicated**

Landscape Plans



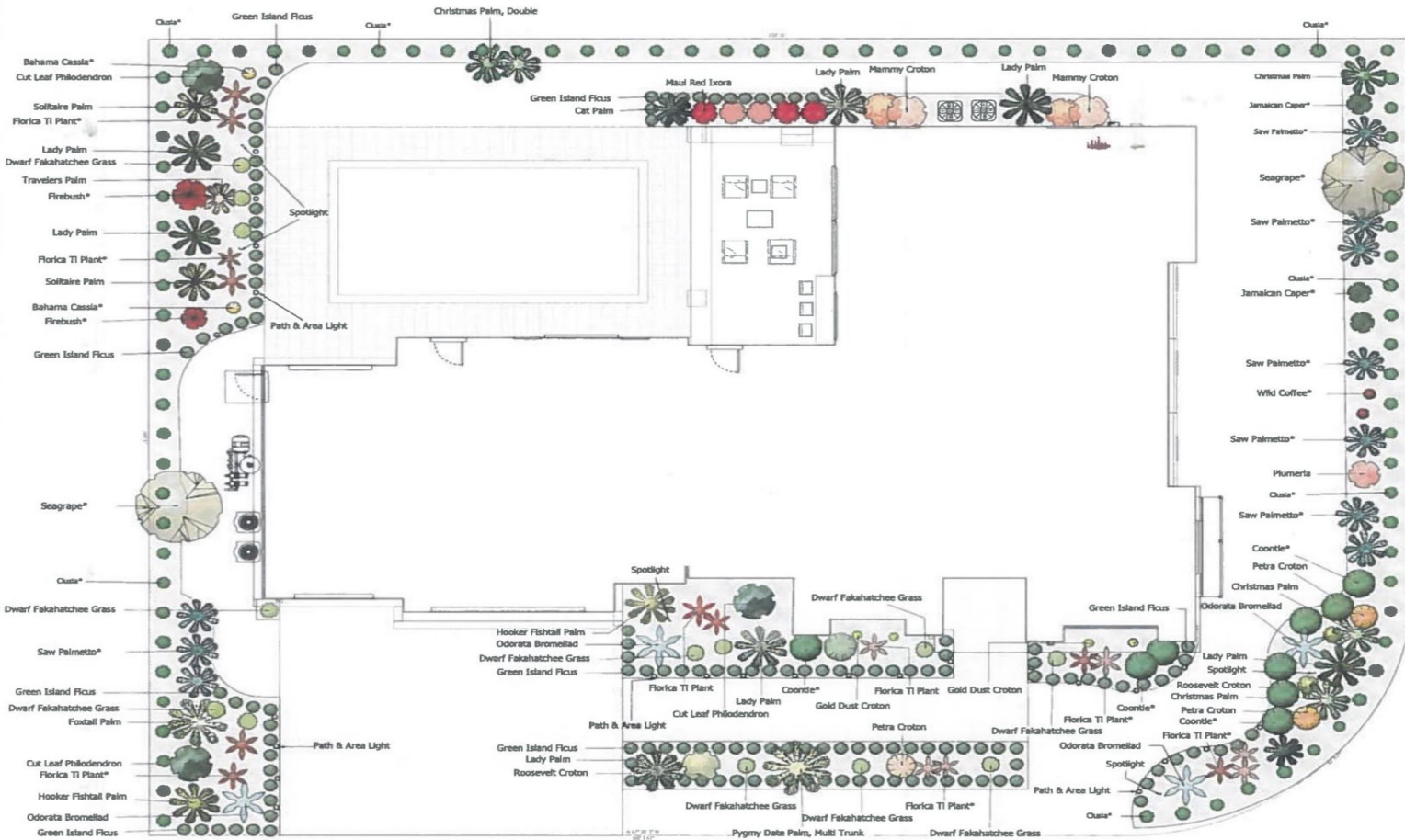
BUILD PLAN

$$\frac{3}{16}'' = 1 \text{ ft}$$

Property Description:
PCN 00-42-47-07-16-003

9225 451 Ocean Drive
-0070

Oak Design Group
West Palm Beach, FL
33405
(561) 933-7446
info@oakdesigngroup.com



Native Plant Legend							
Regional	Qty.	Common Name	Scientific Name	Regional	Qty.	Common Name	Scientific Name
	1	Sharon's Starlet	<i>Clarkia venusta</i> (sagebrush)		1	Sharon's Starlet	<i>Clarkia venusta</i> (sagebrush)
	1	Golden*	<i>Coreopsis palmata</i>		10	Red Sagebrush*	<i>Artemisia tridentata</i>
	1	Golden*	<i>Coreopsis palmata</i>		3	Sagebrush*	<i>Quercus arbores</i>
	1	Firewheel*	<i>Heuchera purpurea</i>		2	Red Sagebrush*	<i>Artemisia tridentata</i>
	8	Sharon's Starlet*	<i>Clarkia venusta</i> (sagebrush)		2	Red Sagebrush*	<i>Artemisia tridentata</i>

1. *What is the purpose of the study?* The purpose of the study is to determine the effect of the use of a computer-based simulation on the learning of the concepts of the cell and the organelles of the cell.

2. *What is the research question?* The research question is: What is the effect of the use of a computer-based simulation on the learning of the concepts of the cell and the organelles of the cell?

3. *What is the hypothesis?* The hypothesis is that the use of a computer-based simulation will have a positive effect on the learning of the concepts of the cell and the organelles of the cell.

4. *What is the independent variable?* The independent variable is the use of a computer-based simulation.

5. *What is the dependent variable?* The dependent variable is the learning of the concepts of the cell and the organelles of the cell.

6. *What is the control group?* The control group is the group of students who did not use the computer-based simulation.

7. *What is the experimental group?* The experimental group is the group of students who used the computer-based simulation.

8. *What is the data collection method?* The data collection method is a pre-test and post-test design.

9. *What is the data analysis method?* The data analysis method is a t-test.

10. *What is the conclusion?* The conclusion is that the use of a computer-based simulation has a positive effect on the learning of the concepts of the cell and the organelles of the cell.

WILLIAM SHAPIRO AND DAVID SHAPIRO, JR.

1. GENERAL LANDSCAPE REQUIREMENTS

MATERIAL, GATHERING, STAINING AND MOUNTING

ALL CONTAINER MATERIAL SHALL BE HEALTHY AND WELL ROOTED

[illegible]

PAUL BRASS, DE CITTÀ DI PAUL BRASS NOTED STRENGTH

ALL PLANTS AND TREES SHALL BE WATERED PROPERLY AND NOT ABSENT. THE ABSENCE OF IRRIGATION SHALL VOID ALL WARRANTIES.

THE LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS WITHOUT NOTIFYING LANDSCAPE D

ALL WORK TO CONFORM WITH LOCAL LANDSCAPE CODE.

ALL PLANTING BEDS SHALL BE PROPERLY PREPPED PRIOR TO THE COMMENCEMENT OF ANY PLANTING.

ALL PLANTING BEDS TO HAVE GOOD SOIL AND SHALL BE FREE OF ROCKS. ANY SOIL ADDED SHALL BE

HEALTHY TOP SOIL OR SPECIAL BLEND

SOODING: SOO TYPE SPECIFIED SHALL NOT BE OLD AND LAYED WITHIN 24 HOURS OF BEING CUT IT IS T

LAYED IN OVERLAPPING TIGHT PATTERN.

FOR COMPANIES THAT CONTROL THEIR OWN IRRIGATION, IT IS THE OWNER'S RESPONSIBILITY TO TALK TO COMPANY PROVIDER REGARDING IRRIGATION.

ALL BOTTLED BY ANTARICA ARE TO BE HAND WASHED

ALL POTTED PLANTINGS ARE TO BE FRODO WATER.

Source	Country	Year
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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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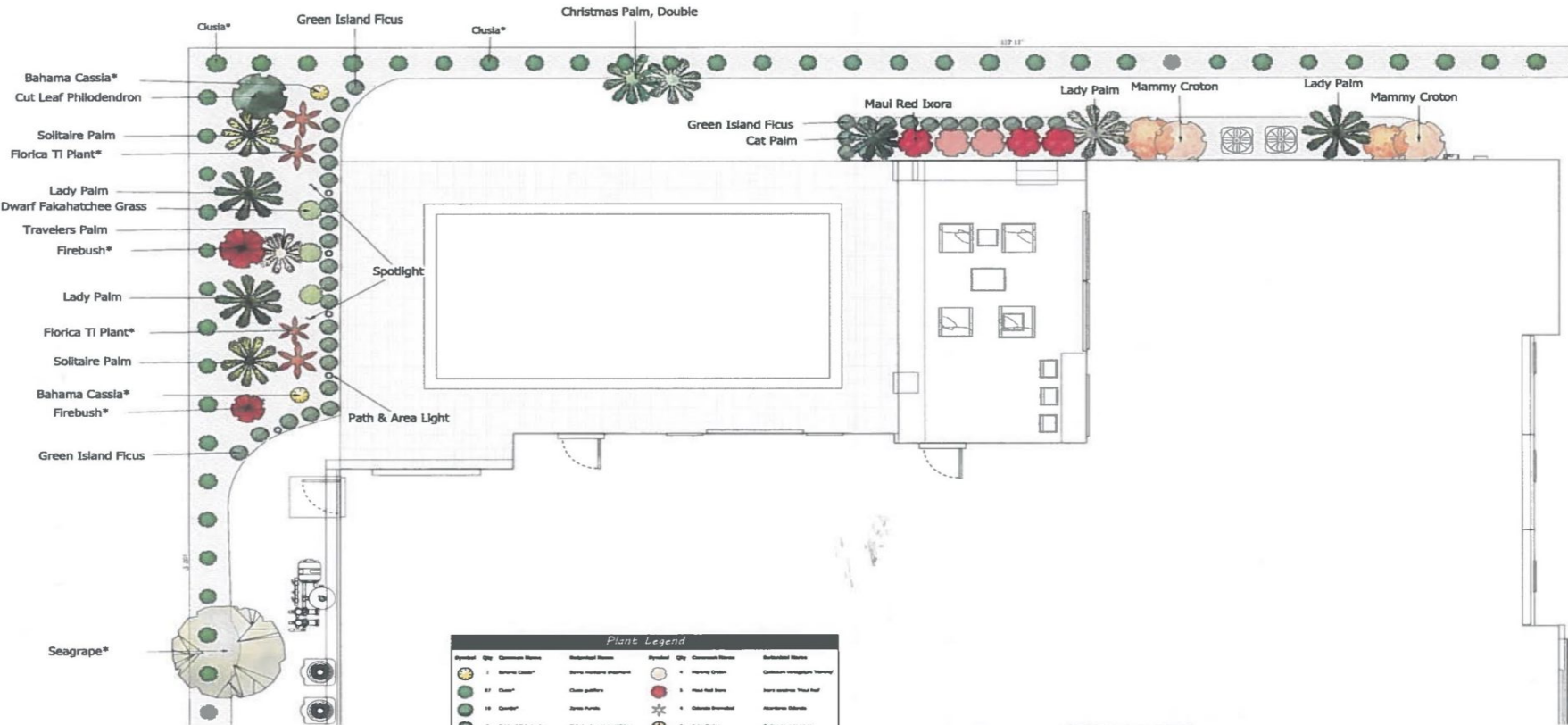


BUILD PLAN

$$\frac{3}{16}'' = 1 \text{ ft}$$

Property Description:
PCN 00-42-47-07-16-003
-0070

Oak Design Group
West Palm Beach, FL
33405
(561) 933-7446
info@oakdesigngroup.com



PLANTING SPECIFICATIONS

GENERAL LANDSCAPE REQUIREMENTS

LANDSCAPE CONTRACT WORK INCLUDES BUT NOT LIMITED TO SOIL PREP AND GRADING, INSTALLING PLANT MATERIAL, WATERING, STAKING AND TREES.

PLANT SPECIES AND SIZE SHALL CORRESPOND TO THOSE INDICATED ON THE DRAWINGS. ALL PLANT AND NURSERY MATERIAL SHALL BE PLANTED IN AN 8" BOTTOM TUBES AND BE TRAINED OR SHAPED IN ITS DEVELOPMENT. ALL PLANTS SHALL BE FREQUENTLY CHECKED REGULARLY FOR PESTS AND DISEASE.

ALL CONTAINER PLANTING SHALL BE HEALTHY AND WELL ROOTED

ALL PLANTS AND TREES SHALL BE WATCHED PROPERLY AND NOT ABANDONED. THE ABSENCE OF PERSONS SHALL VOID ALL WARRANTIES.

THE LANDSCAPE CONTRACTOR SHALL NOT PLACE ANY SUBSTANTIAL METHOD NOTIFYING LANDSCAPE IS ALL WORK TO BE COMPLETED WITHIN LOCAL LANDSCAPE CODE

ALL PLANTING BEDS SHALL BE PROPERLY PREPARED PRIOR TO THE COMMENCEMENT OF ANY PLANTING.

FOR CLARIFICATION THAT CONTRACTORS HAVE OWN RESPONSIBILITY IT IS THE CHAIRS RESPONSIBILITY TO TAKE A

[illegible]

Plant Legend

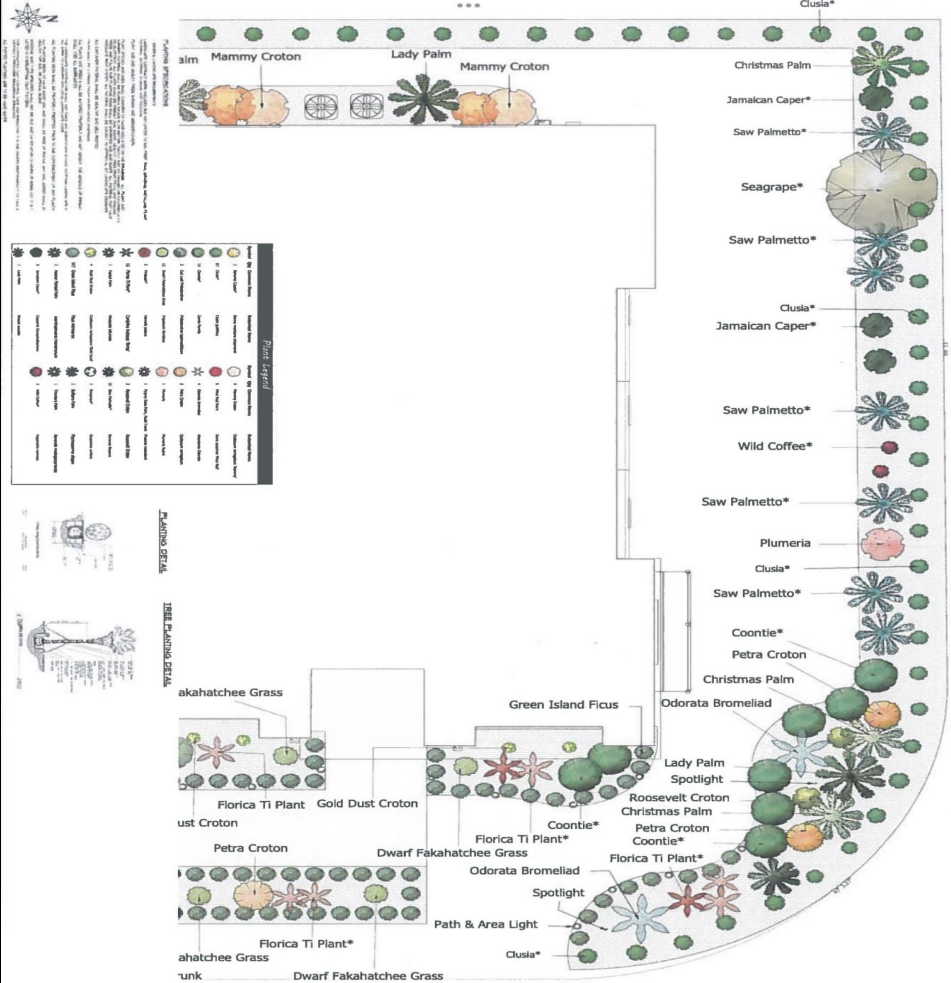
Symbol	Qty	Common Name	Scientific Name	Symbol	Qty	Common Name	Scientific Name
	1	Isopore Cassia*	Isopore rostrata (Shagbark)		4	Hawkeye Oak*	Quercus macrocarpa (Hawkeye)
	87	Choke*	Choke gaultheria		3	Red Red Beech	Isopore rostrata (Red Beech)
	10	Ground*	Straw Plants		4	Albino Ground*	Hamamelis virginica
	2	Old Red Phloxanthus	Phloxanthus apocynifolia		3	Pink's Oak*	
	12	Shrub Hamamelis Green	Hamamelis virginica		1	Hamamelis	Hamamelis virginica
	2	Wildnut*	Hamamelis virginica		1	Hogeye Dog-Hair, Halls Tree	Phloxanthus rostrata
	15	Straw in Bush*	Corydalis pinnatifida (Straw)		2	Hamamelis Green	Hamamelis virginica
	1	Hamamelis	Hamamelis virginica		10	Red Hamamelis*	Hamamelis virginica
	4	Old Red Oak*	Quercus macrocarpa (Old Red)		2	Hamamelis	Hamamelis virginica
	140	Green Hamamelis	Hamamelis virginica		2	Hamamelis	Hamamelis virginica
	1	Hamamelis Hamamelis	Hamamelis virginica		1	Hamamelis	Hamamelis virginica
	2	Hamamelis Cassia*	Hamamelis virginica		1	Hamamelis	Hamamelis virginica
	7	Hamamelis	Hamamelis virginica				

PLANTING DETAIL



TREE PLANTING DETAIL





Lot Considerations

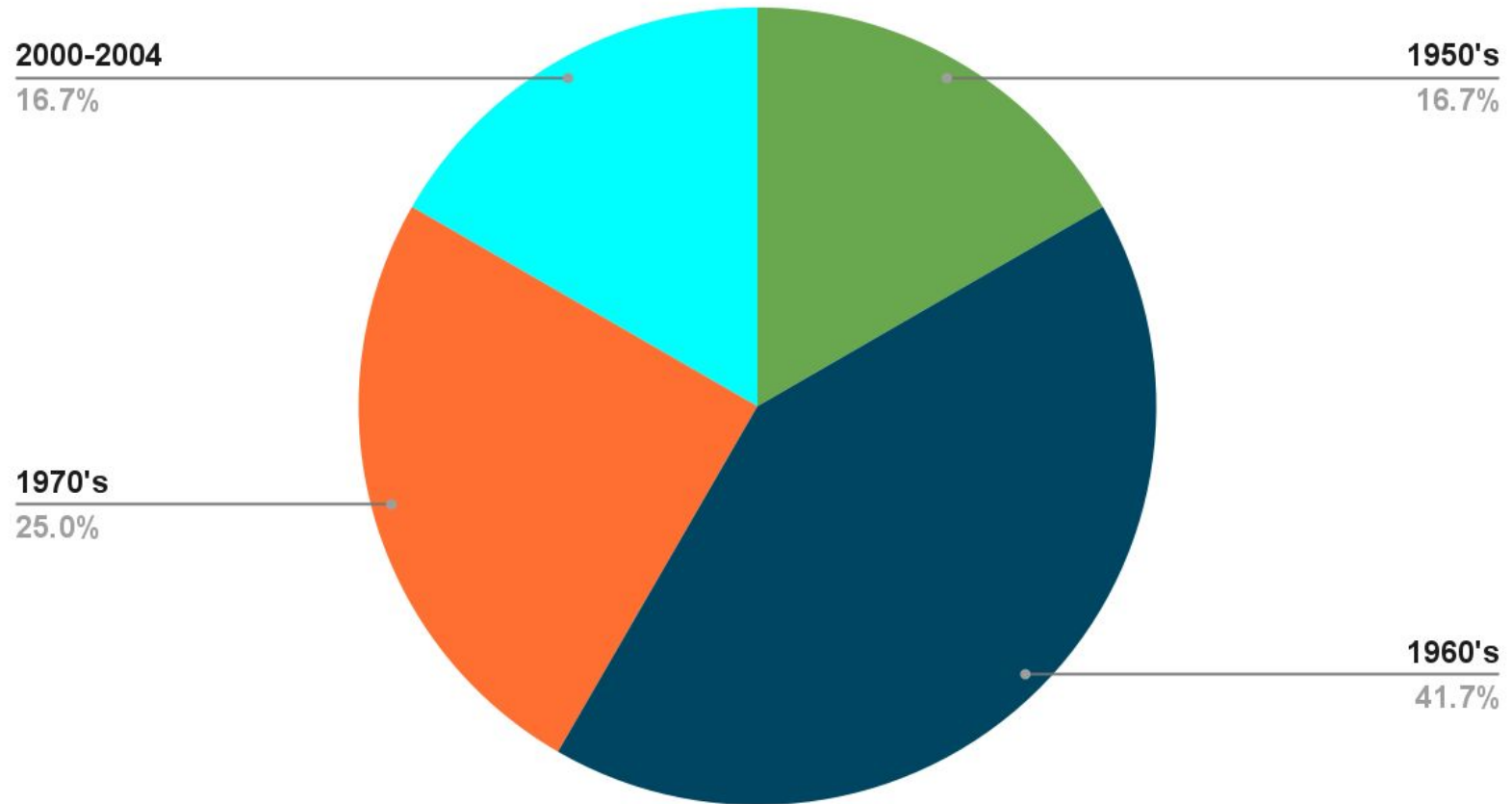


- Total Proposed Building Footprint is 4,262 Square Feet
 - Equating to 32.1% lot coverage, 2.9% less than the maximum lot coverage restriction
- As seen on the previous slides, great consideration has been given to privacy to the Western and Northern Neighbors, since no neighbors are to the East.
- Decreased privacy concerns from neighboring lots by not creating a living structure above the garage on the East, eliminating any windows on the 2nd floor north side of the primary bedroom, as well as no sidewalk on the east side of the lot.
- Greatly enhancing the landscaping to provide privacy and to increase visual appeal to the community. Excess expense of \$100,000 plus.

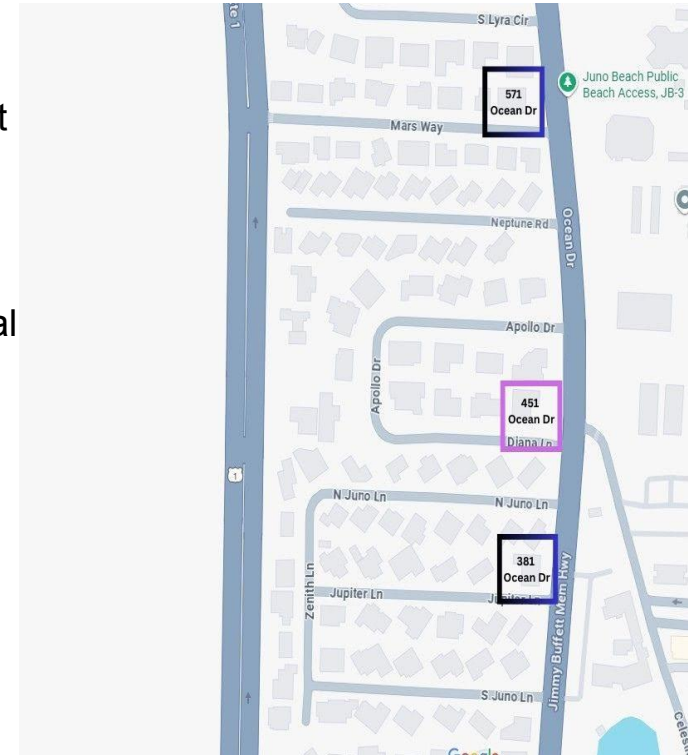
Community Statistics



Year of the Homes the Town of Juno Beached Used as Comparables



- The Majority of the homes are built between 1959-1974
- The total square foot average of the homes are 2,969 sq ft
- Homes approved to build in the comparisons from 2004-2025, excluding the subject property, are averaging 5,386 square feet.
- The newly approved to build homes are 370 Apollo at 5,255 sq ft and having a .39 FAR and 401 Diana Lane at 5,421 sq ft and having a .55 FAR.
- The homes NOT being considered as a comparable due to a zoning difference, but are of like build, are 381 Ocean Drive, total land 11,264.62 sq ft, total building sq ft of 6,715 and 571 Ocean Drive total land 10,053 sq ft, total building sq ft of 9138.



Lot Sizes of Homes Within the Proximity of the Subject Property



Reasons to Approve



Testimonial From The Architect

“The Mass of this building is broken up to created a thoughtful and interesting facade.

What distinguishes this design from the large, boxy modern houses we’ve seen approved in the past is the way the massing has been carefully broken down into distinct, readable volumes. Rather than presenting a single monolithic block, this home is composed of interlocking forms that step forward and back, creating depth, shadow, and interest.

The garage wing, for example, is set apart and steps forward, giving hierarchy and balance while allowing the entry volume to stand as a focal point. The central two-story glass element framed by vertical columns adds proportion and anchors the composition, while the interplay of horizontal rooflines and vertical openings ensures that no single element overwhelms the whole.

Material choices further reinforce this balance. The use of lighter stucco against darker stone creates contrast that clearly defines volumes and prevents the home from reading as one large mass. This creates a relationship between the different parts of the building that is both harmonious and dynamic.

Overall, the design provides variety, articulation, and a more human scale, avoiding the flatness and bulkiness that have sometimes characterized more box-like modern houses. This approach results in a home that feels refined, approachable, and visually balanced within its setting.”

- The proposed build complies with ALL setbacks, height restrictions and lot coverage.
- Architecture and style have been carefully considered to include stone, scored stucco, banded stucco, and recessed elements.
- We have worked closely with the Town of Juno Beach Staff to outline elements and mindful changes to provide the Architectural Review Board positive consideration of the application. Such as, providing additional landscaping, mindful orientation of the second story, and diversity of building materials to provide visual interest.