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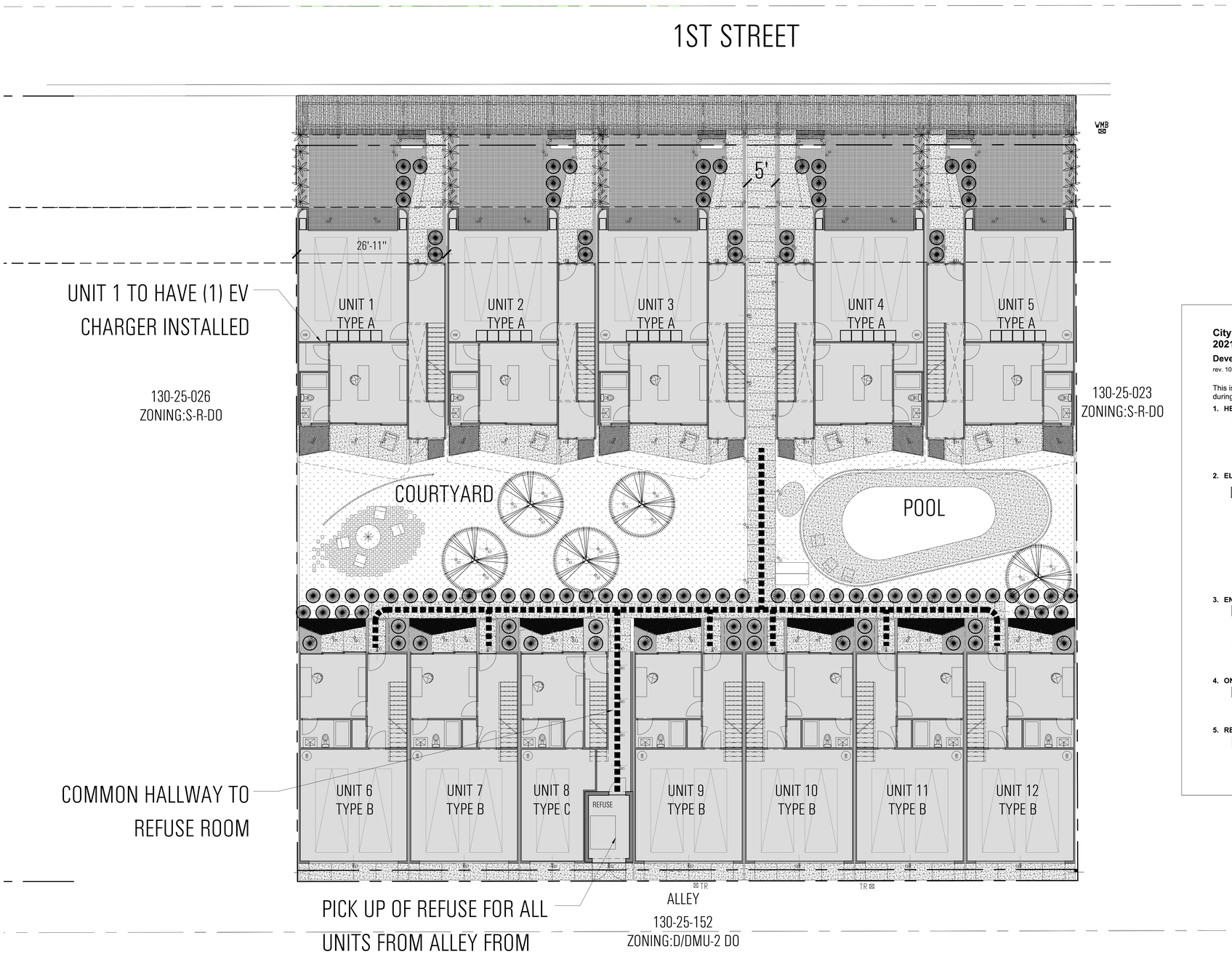

City of Scottsdale
2021 International Green Construction Code (IgCC)

Development Review (DR) Site Checklist
rev. 10-20-23

This is an abbreviated checklist for IgCC compliance measures that need to be addressed during the planning and DR process.

1. HEAT ISLAND MITIGATION

[X] Not less than 50 percent of site hardscape shall be provided with one or any combination of the following options: **(a)** shading by trees; **(b)** hardscape materials with an initial solar reflectance value of not less than 29; **(c)** open-graded (uniform-sized) aggregate; permeable pavement; permeable pavers, porous pavers (open-grid pavers); **(d)** shading structures; and/or **(e)** parking under a building, in accordance with 2021 IgCC Section 501.3.5.1.

2. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

[X]

Occupancy Group	Min. number of *EV Installed* Spaces[a]	Min. number of *EV Capable* Spaces[a]
R-1 (hotels, motels) and R-2 (apartments, condos)	4% of total required parking spaces	20% of total required parking spaces
A, B, E, F, I, M, and S	4% of total required parking spaces or not less than 8% of designated employee only parking spaces	10% of total required parking spaces

[a] Parking spaces designated for other than passenger vehicles may be excluded from the number of parking spaces used to calculate the minimum number of EV spaces.

3. ENERGY COMPLIANCE PATH

[X] Prescriptive-based compliance (allowed when total vertical fenestration is ≤ 40%)

[X] Comply with mandatory and prescriptive requirements in 2021 IECC or ASHRAE 90.1-2019

[ ] Performance-based compliance (required when total vertical fenestration is ≥ 40%)

[ ] Submit preliminary energy performance modeling analysis in accordance with 2021 IECC Section C407, ASHRAE 90.1-2019 Chapter 11 or Appendix G.

4. ONSITE RENEWABLE ENERGY SYSTEM

[X] Design for on-site renewable energy system (solar PV) that provides not less than 3% of annual estimated energy used for building mechanical, service water heating and lighting or not less than 2 watts per sq. ft. multiplied by the gross roof area, in accordance with IgCC amended Section 701.3.

5. REFUSE AND RECYCLING COLLECTION

[X] Site location for refuse/recycling pick up shall be identified (IgCC 901.3.4.1).

More Information: Scottsdale's Commercial Green Construction Code link – https://www.scottsdaleaz.gov/green-building-program/green-codes

RESPONSES:

1. MORE THAN 50% OF ALL SITE HARDSCAPE IS SHADED BY TREES OR ARE SHADED BY THE NEWLY BUILT STRUCTURES THEMSELVES. ALL THE HARDSCAPE IS LOCATED TO THE NORTH OF THE BUILDINGS. THE SOUTHERN ORIENTATION WILL PROVIDE SHADING OF THESE HARDSCAPED AREAS.

ALL RESIDENT PARKING IS INSIDE DEDICATED GARAGE SPACES

2. ALL GARAGES WILL BE CONFIGURED FOR EV CAPABILITY.

4% OF SPACES TO HAVE EV INSTALLED:
(25) SPACES FOR PROJECT
4% OF (25) SPACES = (1) PKG SPACE AS INDICATED IN DRAWING

3. VERTICAL FENESTRATION IS LESS THAN 40% FOR THE PROJECT. THEREFORE, WE WILL UTILIZE A PRESCRIPTIVE-BASED COMPLIANCE ENERGY COMPLIANCE PATH

4. PROJECT WILL COMPLY WITH THIS REQUIREMENT

5. REFUSE AND RECYCLING AS INDICATED IN DRAWING

1ST ST TOWNHOMES
7515 & 7521 east 1st street
scottsdale, az 85251

REGISTERED ARCHITECT
CERTIFICATE NO. 68928
THAMARIT SUCHART
ARIZONA U.S.A.
EXPIRES 6-30-2024

architect:
CHEN+SUCHART STUDIO
7070 east third avenue
scottsdale, arizona 85251
mobile : 480.332.1704 [tommy]
mobile : 480.332.1706 [patricia]
email : thamarit@chensuchartstudio.com

PRELIMINARY
NOT FOR CONSTRUCTION

IgCC
zoning submittal
6 november 2023

north