



PARKMATIC PUZZLE

MORE PARKING IN LESS SPACE



Parkmatic is a company that designs, manufactures, and constructs fully automated and mechanical parking systems. This technology is designed to combat the growing issue of efficiently managing automobiles in areas where congestion, zoning, and crime are problems and land is scarce and expensive.

At Parkmatic, we believe that our clients can have the best of all worlds- Creative Design, Cost Efficiency, and Exceptional Client Services. Our company is focused on two areas: maximum parking efficiency and the most cost savings for our clients. Therefore, we are continually expanding our knowledge of state-of-the-art techniques and industry practices.

Our people are the key to designing world-class parking systems. Our team of seasoned professionals is large enough to handle major complex projects, yet able to know our clients intimately, listen to their needs and deliver on our promises. We are versatile enough to work on complicated high-rise buildings as well as smaller renovations and everything in between. While our systems are complex, partnering with Parkmatic and getting results is really quite simple:

ONE-STOP SERVICE

- Factory Direct Pricing
- Full-Service Design: prime design management, function design, and structural design
- Parking Management Services
- Parking Access and Revenue Control Systems
- Sustainable Green Design
- Financing Available

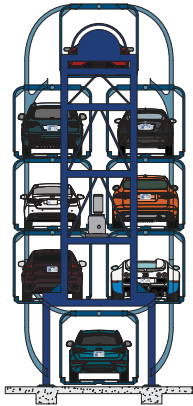
INDUSTRY SECTORS

Parkmatic lends itself to each owner's or architect's vision. Our firm's diverse industry sector experience with all types and sizes of building structures, both national and international, brings unique insight and innovative solutions to each project.

CURRENT INDUSTRY SECTORS

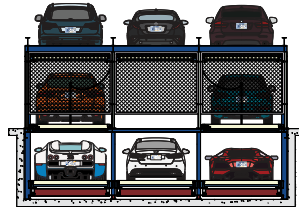
- Education/Higher Education
- Mid and High-rise Residential
- Government/Municipal
- Mixed Use
- Hospitality/Gaming Resort
- Hospitals
- Office Towers
- Airports
- Stadiums
- Parking Structures

OUR PRODUCTS



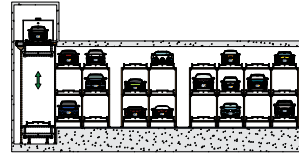
CAROUSEL

Parks up to sixteen vehicles in the space for two. Activated by key, smart card, or key fob, the pallet rotates to retrieve vehicles quickly. PLC ensures fast retrieval and optimal space efficiency.



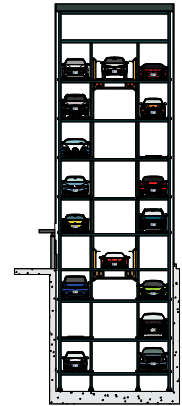
PUZZLE

Provides multi-level parking with level ground entrances and exits. The pallet moves vertically and horizontally, using an empty slot for movement.



RACK & RAIL

Combines vertical and horizontal movement for efficient parking. Suitable for medium to large-scale buildings, accommodating twenty to several thousand vehicles. Maximizes space with quick entry and exit.



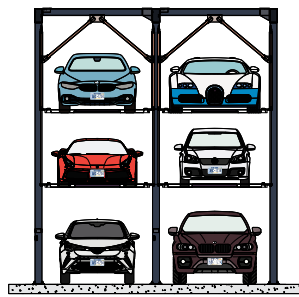
TOWER

An elevator-like system where vehicles move vertically on a pallet and are transferred horizontally for storage. Suitable for medium to large-scale buildings or as a standalone tower. Retrieval time is under two minutes.



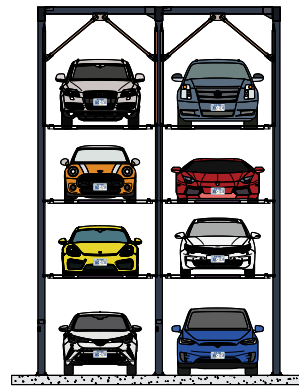
DOUBLE STACKER

Double parking space for sedans and SUVs with low-ceiling designs. Configurable for drive-thru operation and suitable for indoor or outdoor installation. Can be used as a showcase for car dealerships.



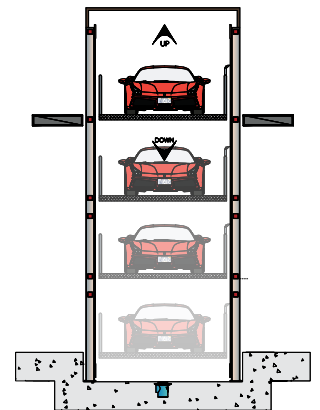
TRIPLE STACKER

Triple parking space with similar features to the double stacker, accommodating both sedans and SUVs. Ideal for low-ceiling indoor applications and configurable for drive-thru operation.



QUAD STACKER

Quad parking space for sedans and SUVs, offering low-ceiling designs and configurable for drive-thru operation. Suitable for indoor or outdoor installation and can be used as a dealership showcase.



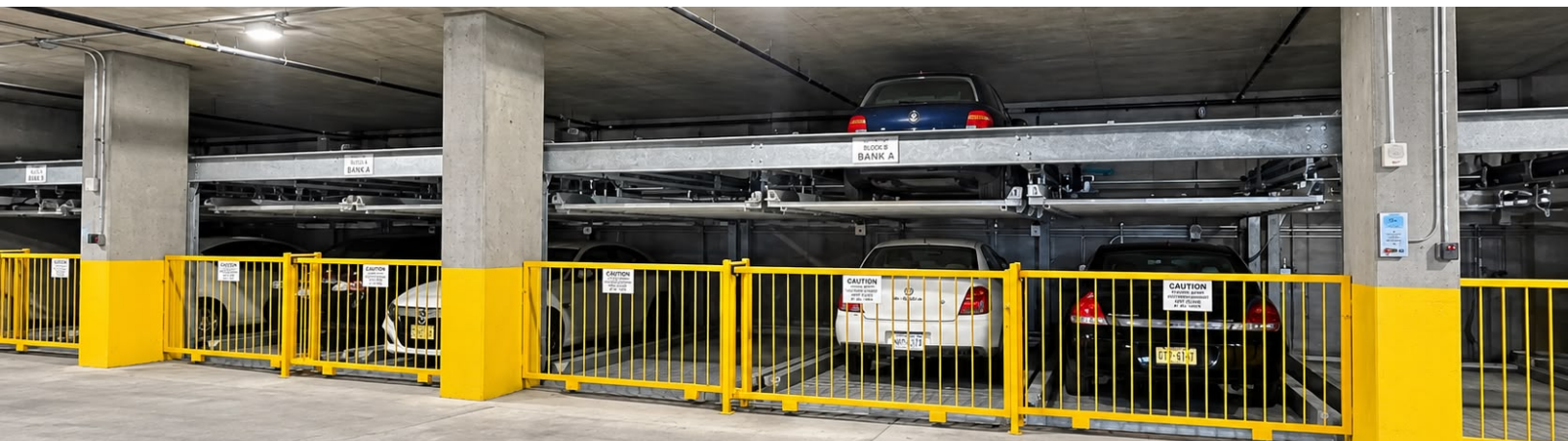
VRC LIFT

A fully automated system designed for vertical design and integration. This system is suitable for medium or large-scale buildings with site constraints that require maximum parking spaces and efficiency.



PUZZLE

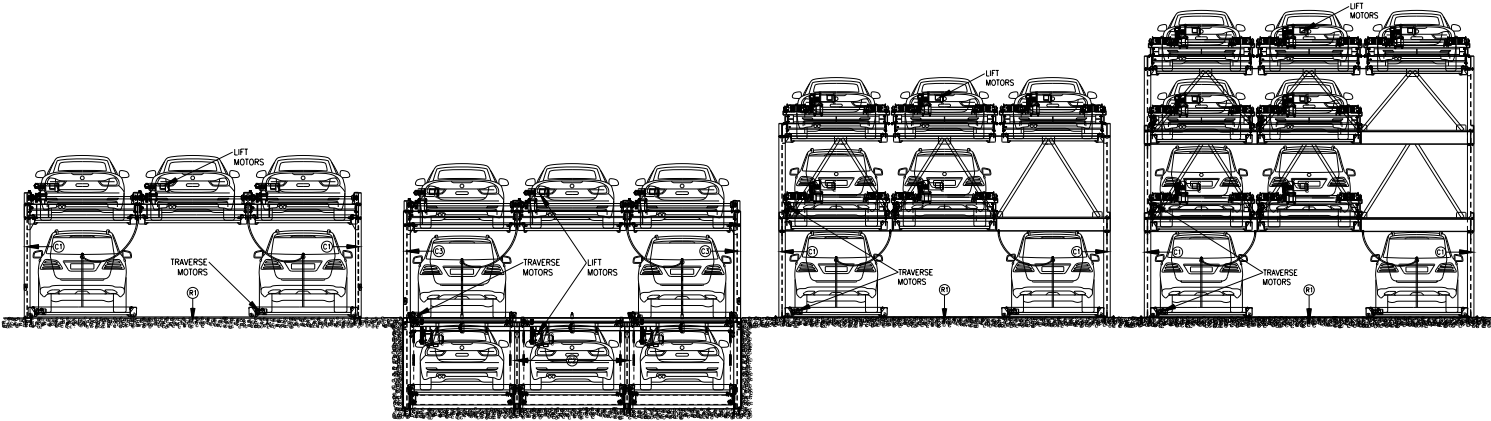
Our innovative Puzzle design offers a flexible solution to maximize parking in minimal space. Vehicles are stored on individual pallets that move horizontally and vertically to create access to the selected parking space. With a minimum of one open space for pallet movement, vehicles can be retrieved without manually moving other cars. The system can be configured with multiple levels above ground, below ground with a pit, or a combination of both, and can be built up to four levels.



FEATURES AND BENEFITS

- Maximizes parking capacity within a compact footprint.
- Reduces land usage by up to 30–70% compared to conventional parking systems.
- Independent access for each vehicle without the need for vehicle shuffling.
- Configurable for above-ground, pit-type, or hybrid layouts.
- Lower construction costs due to reduced excavation and structural requirements.
- Energy-efficient operation with low maintenance requirements.
- Equipped with advanced safety systems including sensors, obstruction detection, and automatic locking mechanisms.
- Optional safety gates and fencing ensure secure operation and controlled access.

SPECIFICATION & DIMENSIONS

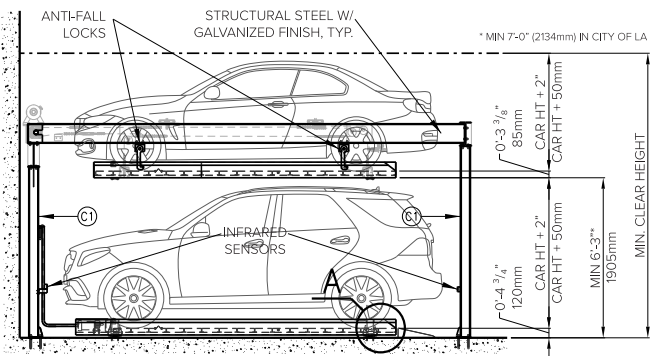
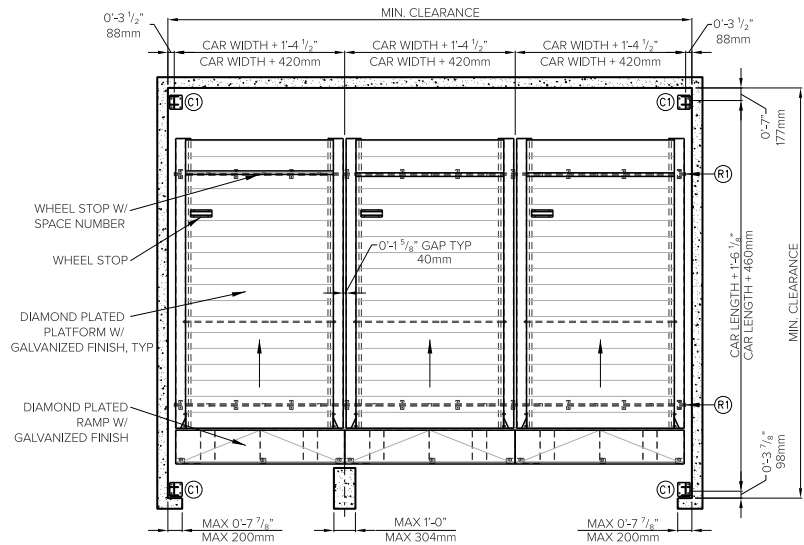


DSP2L-3

DSP3LP-3

DSP3L-3

DSP4L-3



PUZZLE SPECIFICATIONS

Power Requirements	AC220V / 3ø / 50 amp
Traverse Motor	0.2 Kw
Lift Motor	3.7 Kw
Noise Level	<60 dB
MAX Queue Time	45 sec ~ 60 sec

STD CAR DIMS*

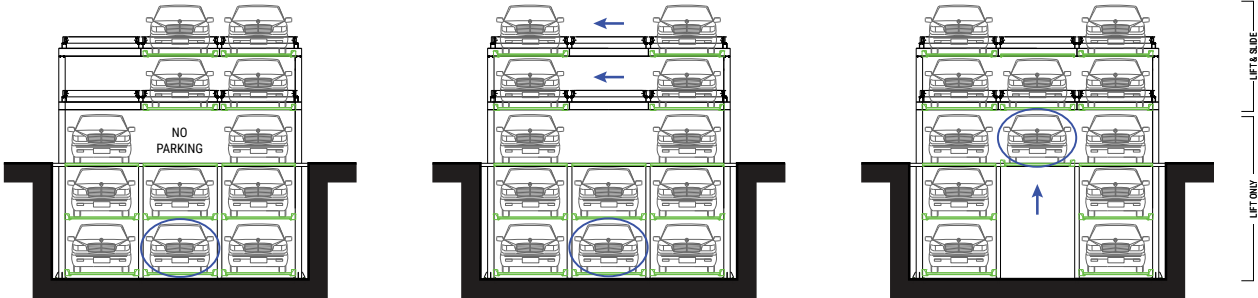
LENGTH	17'-3/4" (5200mm)
WIDTH**	7'-2 5/8" (2200mm)
HEIGHT (L)	5'-3" (1600mm)
(S)	6'-2 13/16" (1900mm)
WEIGHT	5291 lbs (2400 kg)

(L) = SEDAN / (S) = SUV
* INDUSTRY STD DIMS. ACCOMMODATES 81% OF CARS IN PRODUCTION
** DIM WITH SIDE MIRRORS FOLDED

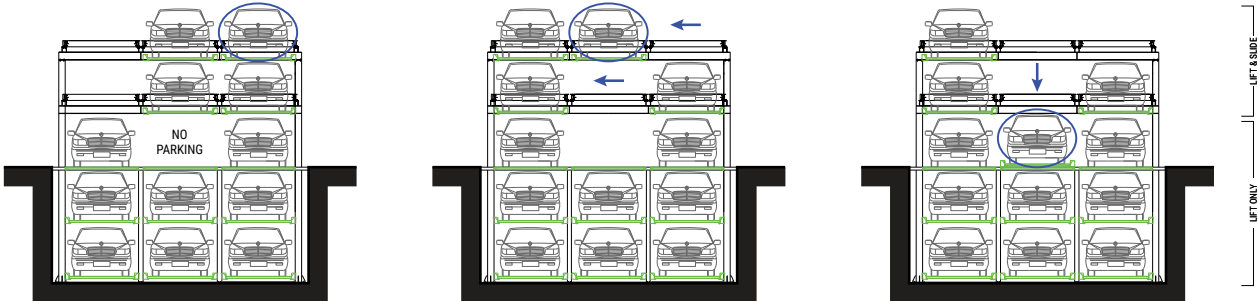
OPERATION DIAGRAMS

3-LEVEL & 2-PIT PUZZLE SYSTEM

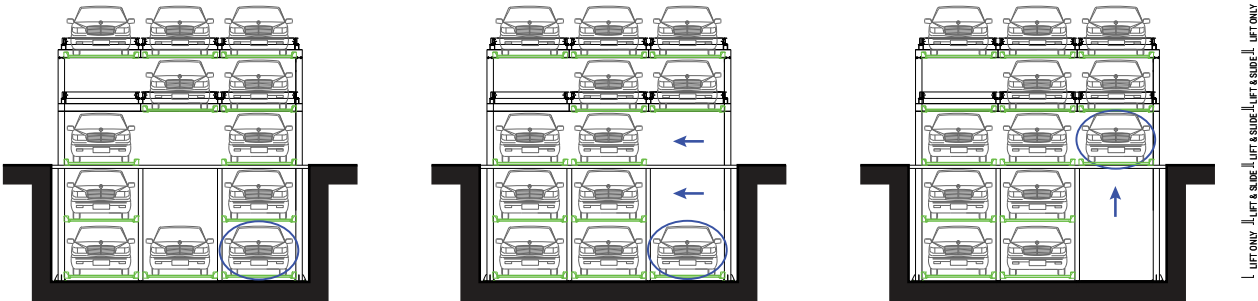
3-WIDE SYSTEM
SCENARIO #1



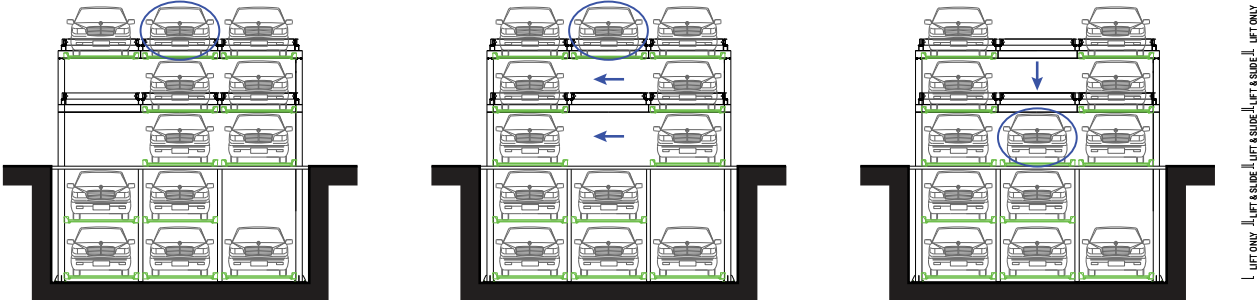
3-WIDE SYSTEM
SCENARIO #2



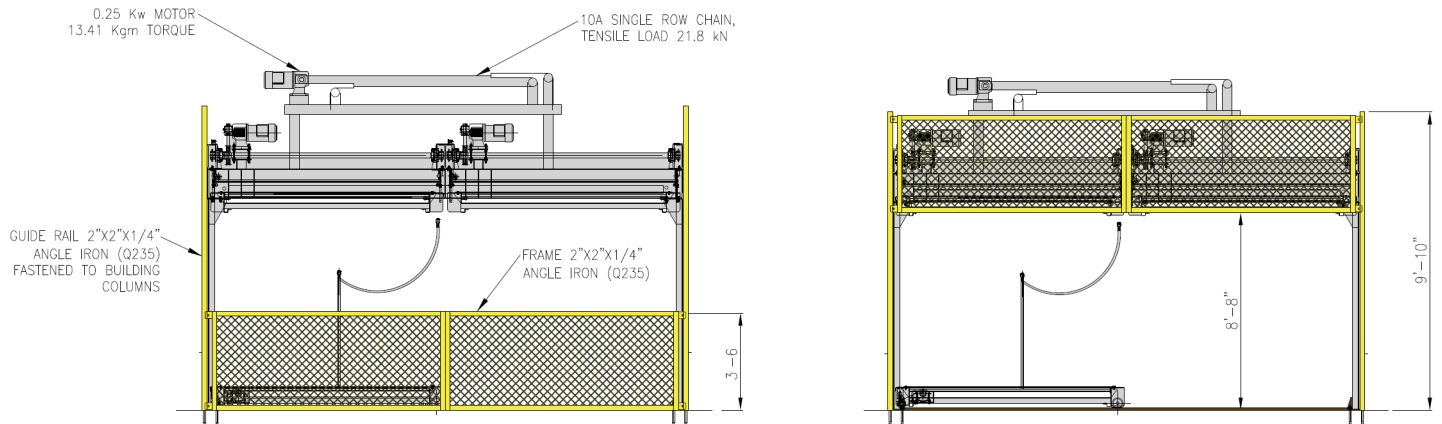
3-WIDE SYSTEM
SCENARIO #3



3-WIDE SYSTEM
SCENARIO #4



AUTOMATIC SAFETY GATE

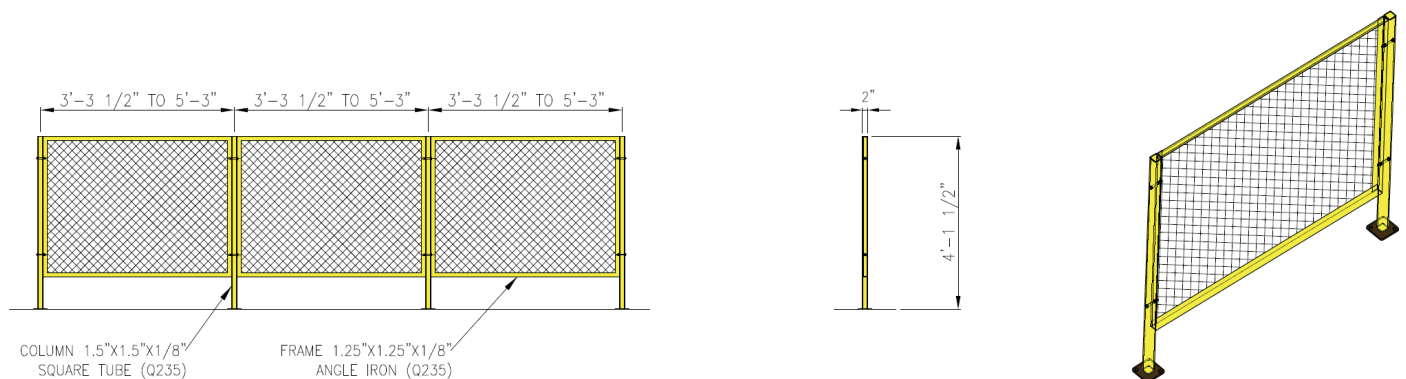


CONTROLLED ACCESS. SAFER OPERATION.

The Automatic Safety Gate helps restrict access to the operating area while the Puzzle System is in motion. The gate automatically opens and closes as required during system operation, creating a physical barrier between users and moving equipment.

Its compact overhead design maintains clear vehicle access when open while providing an added layer of protection during parking and retrieval. Designed for seamless integration with the Puzzle System, the gate supports safe, controlled, and user-friendly operation.

SAFETY FENCING



PROTECTIVE BARRIER. OPEN VISIBILITY.

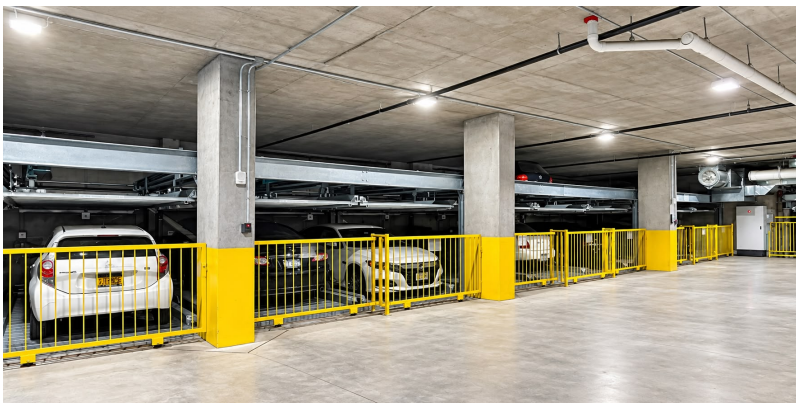
Safety Fencing provides a durable physical barrier around the Puzzle System to help prevent unintended access to moving equipment and restricted areas. The steel mesh design maintains visibility while clearly separating users from the system's operating zone.

Its modular configuration can be adapted to suit different site layouts and system arrangements, providing a clean and practical safety solution without unnecessarily enclosing the parking area.



ASTORIA, NY
(1) DSP3L-3
(8) SPACES

PITTSBURGH, PA
(1) DSP2L-3
(5) SPACES



JERSEY CITY, NJ
(1) DSP3L-10 & (2) DSP3L-6
& (1) DSP2L-10 & (1) DSP2L-6
& (1) DSP2L-3
(98) SPACES

COMPLETED PROJECTS

BOSTON, MA

(1) DSP2L-2
(3) SPACES



BOSTON, MA
(1) DSP2L-2
(3) SPACES

CHARLESTON, SC

(3) DSP3L-3
(27) SPACES





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