REFUSE CALCULATIONS

USE	REQUIRED NUMBER OF ENCLOSURES WITH RECYCLING (PER DSPM TABLE 2-1.311.B)	CALCULATIONS	REQUIRED VOLUME CAPACITY	PROVIDED CAPACITY
NON-RESIDENTIAL DEVELOPMENT	2 ENCLOSURES FOR EACH 30,000 SF OF BUILDING SPACE OR PORTION THEREOF PER COS STANDARD DETAILS #2147-1 OR 2147-2	36,142 SF / 30,000 SF = 2 ENCLOSURES* EACH FOR REFUSE AND RECYCLING *ASSUMES 4 CUBIC YARD CONTAINER	REFUSE: 2 @ 4 CY CONTAINER = ***8 CY TRASH CAPACITY*** RECYCLING: 2 @ 4 CY CONTAINER = ***8 CY TRASH CAPACITY***	REFUSE: (2) 4-YARD CONTAINERS ***(8 CY CAPACITY)*** RECYCLING: (2) 4-YARD CONTAINERS ***(8 CY CAPACITY)*** SPARE: (1) 4-YARD CONTAINER ***(4 CY CAPACITY)***
APARTMENT AND CONDOMINIUM	2 ENCLOSURES FOR EVERY 30 UNITS OR PORTION THEREOF PER COS STANDARD DETAILS #2146-1 OR 2147-1	144 UNITS / 30 = 5 ENCLOSURES* EACH FOR REFUSE AND RECYCLING *ASSUMES 4 CUBIC YARD CONTAINER	REFUSE: 5 @ 4 CY CONTAINER = 20 CY TRASH CAPACITY. RESIDENTIAL COMPACTORS PROVIDE COMPACTION RATIO OF 3:1. THUS, 20 CY/3 = ***6.67 CY TRASH CAPACITY*** RECYCLING: 5 @ 4 CY CONTAINER = ***20 CY TRASH CAPACITY*** NOTE: RECYCLING NON-COMPACTED; ASSUME COMINGLED	REFUSE: (5) 2-YARD CONTAINERS ***(10 CY CAPACITY)*** RECYCLING: (10) 2-YARD CONTAINERS ***(20 CY CAPACITY)*** SPARE: (4) 2-YARD CONTAINER ***(8 CY CAPACITY)*** REFUSE: 25 CY ***SELF-CONTAINED COMPACTOR*** RECYCLING: 25 CY ***SELF-CONTAINED COMPACTOR***

	NON-RESIDENTIAL COLLECTION UNITS		
	TRASH	***RECYCLING***	***GREASE***
CONTAINER	4-YARD DUMPSTER	4-YARD DUMPSTER	224 GALLON
DIMENSIONS	HEIGHT: **5'-0"** WIDTH: **4'-2"** LENGTH: **6'-0"**	HEIGHT: **5'-0"** WIDTH: **4'-2"** LENGTH: **6'-0"**	HEIGHT: **3'-0"** WIDTH: **2'-0"** LENGTH: **5'-0"**

	RESIDENTIAL COLLECTION UNITS	
	TRASH	***RECYCLING***
CONTAINER	2-YARD DUMPSTER	2-YARD DUMPSTER
DIMENSIONS	HEIGHT: **4'-0"** WIDTH: **3'-7"** LENGTH: **6'-9"**	HEIGHT: **4'-0"** WIDTH: **3'-7"** LENGTH: **6'-9"**

REFUSE COLLECTION PROCEDURE

RESIDENTIAL:
EACH RESIDENTIAL FLOOR HAS ACCESS TO A TRASH ROOM IN AT THE EAST AND/OR WEST ELEVATOR CORE. EACH ROOM HAS SEPARATE CHUTES FOR REFUSE AND RECYCLING WHICH TERMINATE AT THE EAST AND WEST TRASH ROOMS ON LEVEL P1. THE RECYCLING CHUTE DISCHARGES INTO CO-MINGLED 2 CUBIC-YARD RECYCLING CONTAINERS WHICH WILL BE WHEELED OUT TO THE SERVICE YARD AND LOADED INTO A 25CY SELF-CONTAINED BIN. THE REFUSE CHUTE ALSO DISCHARGES INTO 2 CUBIC-YARD TRASH CONTAINERS WHICH WILL BE WHEELED OUT TO THE SERVICE YARD AND LOADED INTO A 25CY SELF-CONTAINED TRASH COMPACTOR. BOTH SELF-CONTAINED UNITS WILL BE HAULED OFFSITE BY THE WASTE MANAGEMENT CONTRACTOR, EMPTIED, AND BROUGHT BACK TO THE SITE. EACH ROOM HAS SPACE FOR SPARE 2-CY CONTAINERS WHICH MAINTENANCE STAFF CAN ROTATE OUT FROM BENEATH THE CHUTE DISCHARGE.

CONTAINERS FROM THE EAST TRASH ROOM ARE TRANSPORTED TO THE WEST TRASH ROOM ALONG LEVEL P1. ALL TRASH AND RECYCLING CONTAINERS ARE THEN TRANSPORTED FROM THE WEST TRASH ROOM OUT TO THE SERVICE COURTYARD AND EMPTIED INTO THE PROPER SELF-CONTAINED UNIT FOR PICKUP BY THE WASTE MANAGEMENT CONTRACTOR. WASTE MANAGEMENT ROLL-OFF TRUCKS WILL BACK IN TO SERVICE YARD, PULL THE SELF-CONTAINED UNITS ON TO THE BED, AND DRIVE FORWARD OUT ONTO SHOEMAN LANE.

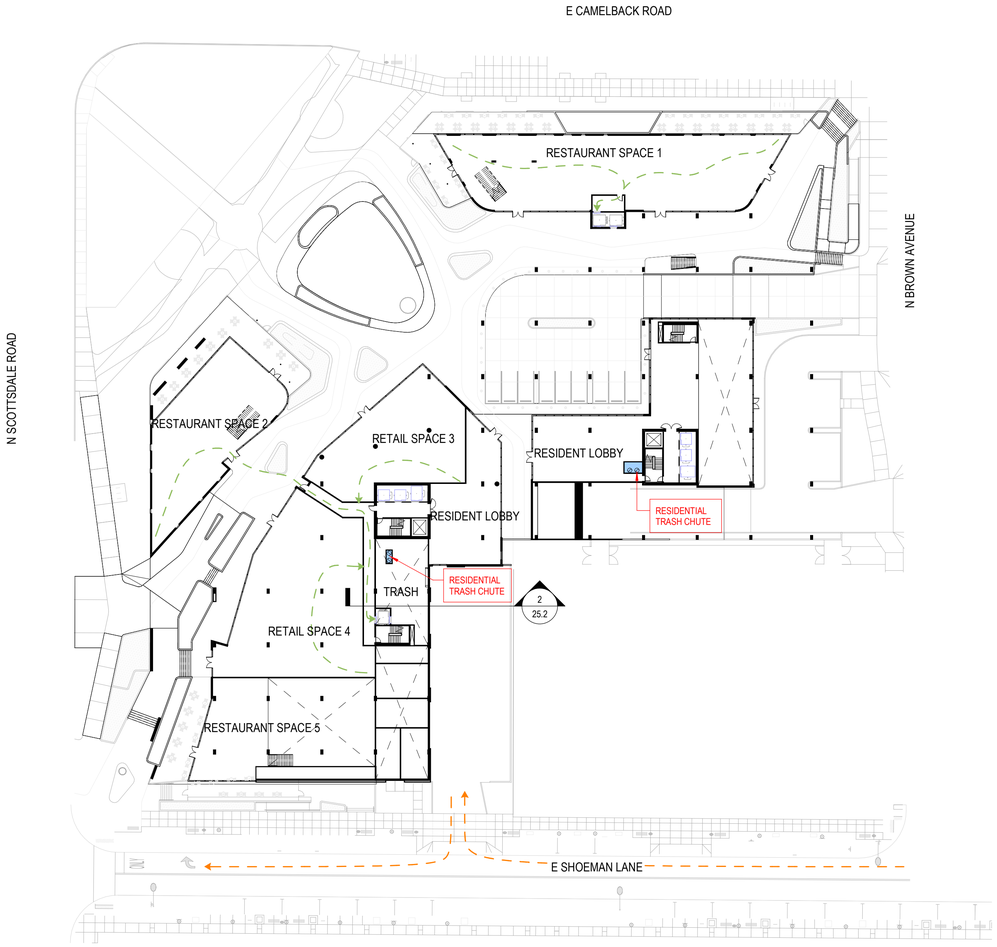
RETAIL + RESTAURANT:
RETAIL/RESTAURANT STAFF WILL COLLECT REFUSE AND AND RECYCLING AND TRANSPORT IT TO THE DEDICATED RETAIL/RESTAURANT COLLECTION AREA IN THE WEST TRASH ROOM ON LEVEL P1. RETAIL SPACE 1 WILL USE A DEDICATED SERVICE ELEVATOR TO REACH LEVEL P1. RETAIL SPACE 2 WILL CROSS THE PLAZA LEVEL TO A SERVICE CORRIDOR WHICH CONNECTS TO A SEPARATE DEDICATED SERVICE ELEVATOR DOWN TO LEVEL P1. RETAIL SPACES 3 AND 4 CAN DIRECTLY ACCESS THIS SAME SERVICE CORRIDOR TO ACCESS THE SERVICE ELEVATOR. RETAIL SPACE 5 CAN ACCESS THE WEST TRASH ROOM DIRECTLY FROM LEVEL P1 WITHOUT NEEDING TO USE THE SERVICE ELEVATOR.

RETAIL/RESTAURANT REFUSE AND RECYCLING WILL BE COLLECTED IN DEDICATED COLLECTION CONTAINERS IN THE WEST TRASH ROOM. MAINTENANCE STAFF CAN THEN TRANSPORT THE CONTAINERS OUT TO THE SERVICE COURTYARD AND EMPTY INTO THE PROPER SELF-CONTAINED UNITFOR PICKUP.

COLLECTION BY CITY WASTE MANAGEMENT OR PRIVATE COLLECTION COMPANY TBD; PRESUMED 2-3 OCCURANCES PER WEEK.

GRAPHIC LEGEND

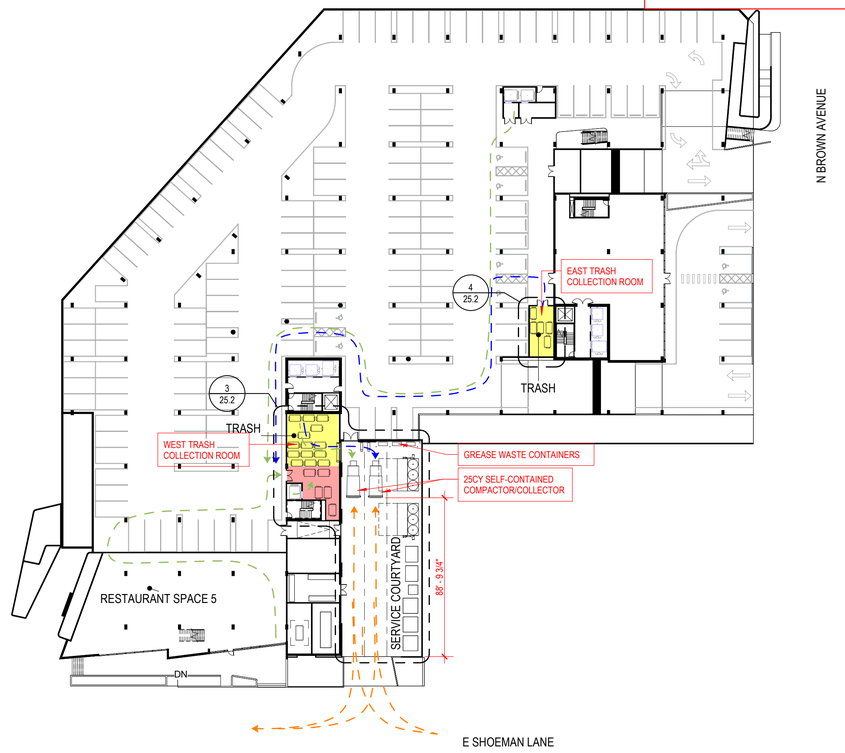
- REFUSE VEHICLE CIRCULATION; ENTER/EXIT TO SHOEMAN LANE
- RETAIL PLAZA REFUSE PATH TO COLLECTION LOCATION
- RESIDENTIAL REFUSE PATH FROM EAST TO WEST COLLECTION ROOM
- RESIDENTIAL TRASH CHUTE (1 CHUTE EACH FOR REFUSE AND RECYCLING PER SHAFT)
- RESIDENTIAL REFUSE COLLECTION ROOM
- RETAIL AND RESTAURANT REFUSE COLLECTION ROOM



NORTH

2 REFUSE PLAN - LEVEL 1
SCALE: 1" = 40'-0"

0 40' 80' 120'
GRAPHIC SCALE: 1" = 40' - 0"



NORTH

1 REFUSE PLAN - LEVEL P1
SCALE: 1" = 40'-0"

0 40' 80' 120'
GRAPHIC SCALE: 1" = 40' - 0"

REFUSE PLAN
APPROVED
BY CITY OF SCOTTSDALE PLAN REVIEW
19-dr-2023 (CASE NO.) ehayes (REVIEWER) 11/13/2025 (DATE)
CONSTRUCTION, INSTALLATION, AND SITE SERVICING SHALL BE IN ACCORDANCE WITH THIS PLAN AND ANY AND ALL DEVIATIONS WILL REQUIRE REAPPROVAL

SCOTTSDALE CITY CENTER

7201 EAST CAMELBACK ROAD
SCOTTSDALE, AZ 85251

SMITHGROUP

455 NORTH THIRD STREET
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CIVIL ENGINEER
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480.588.7226

SMITHGROUP
LANDSCAPE ARCHITECT
455 N THIRD STREET, SUITE 250
PHOENIX, AZ 85004
602.265.2200

ISSUED FOR	DATE
DEVELOPMENT REVIEW SUBMITTAL	*16MAY2025*
DEVELOPMENT REVIEW SUBMITTAL	*11NOV2024*
DEVELOPMENT REVIEW SUBMITTAL	*03JUL2023*

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

CONCEPTUAL PLANS FOR DR REVIEW ONLY

SHEET TITLE

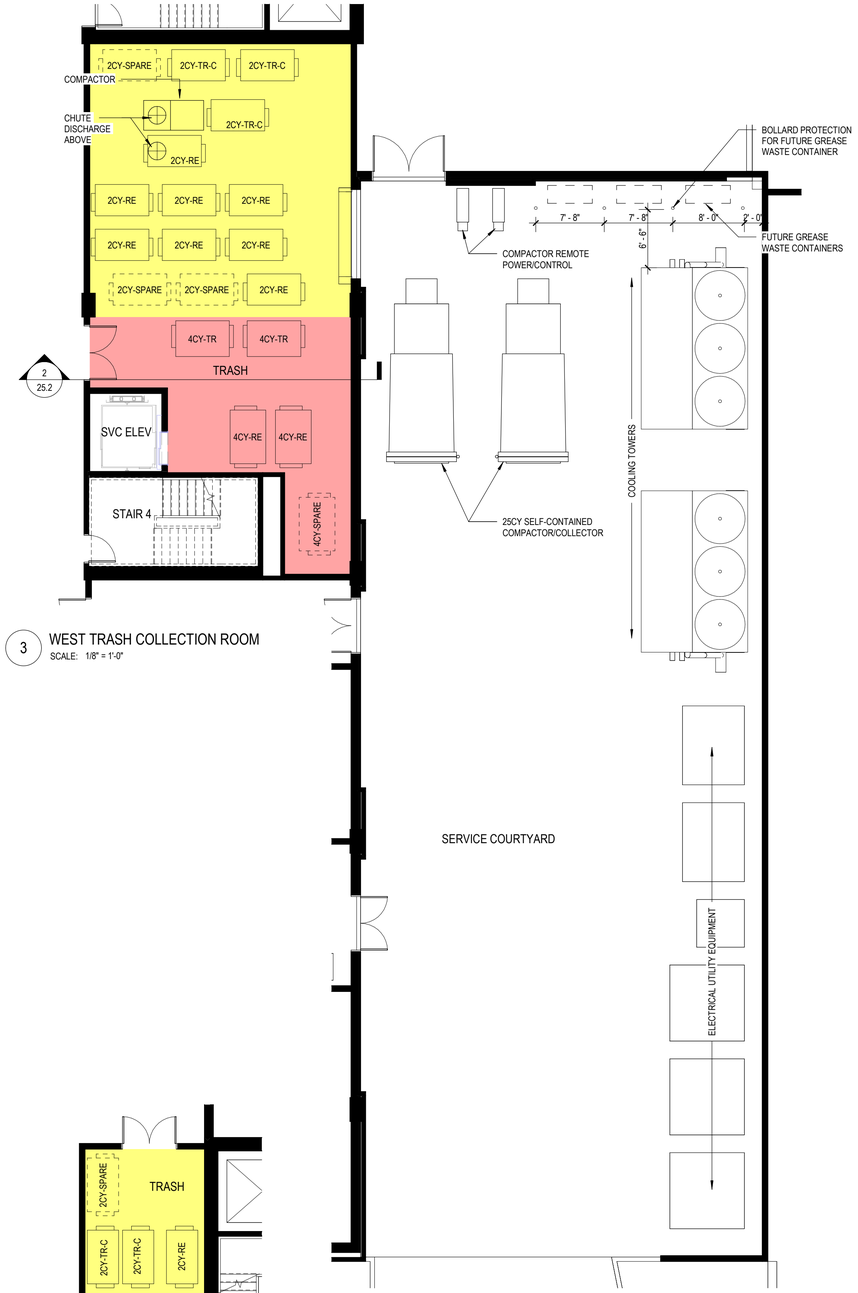
REFUSE PLAN

PROJECT NUMBER 14165.000

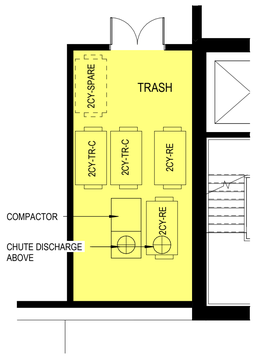
DR **25.1**
SHEET NUMBER

Author
5/8/2025 1:19:23 PM
Plot Date:

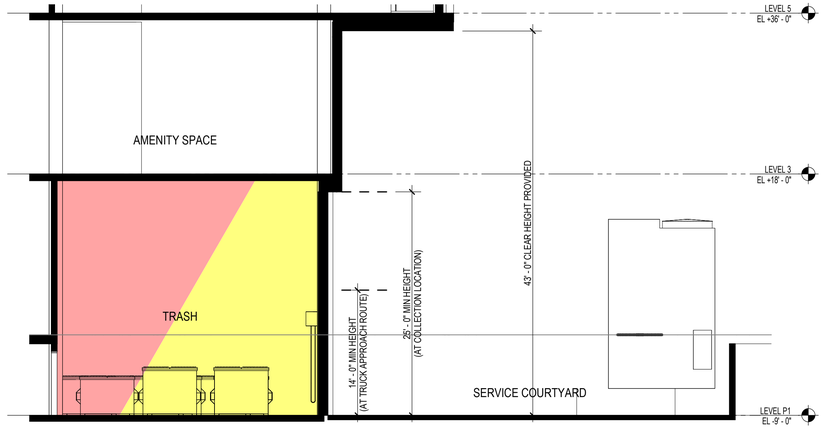
*** THIS SHEET IS INTENDED TO BE VIEWED AND PRINTED IN COLOR ***



3 WEST TRASH COLLECTION ROOM
SCALE: 1/8" = 1'-0"



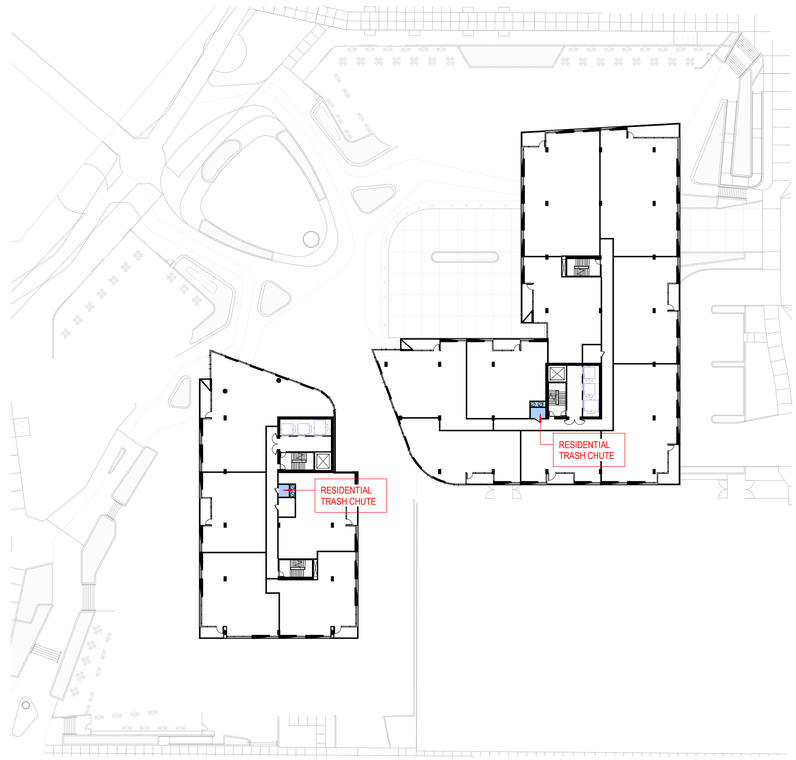
4 EAST TRASH COLLECTION ROOM
SCALE: 1/8" = 1'-0"



2 SECTION - TRASH COLLECTION ROOM
SCALE: 1/8" = 1'-0"

GRAPHIC LEGEND

- REFUSE VEHICLE CIRCULATION; ENTER/EXIT TO SHOEMAN LANE
- RETAIL PLAZA REFUSE PATH TO COLLECTION LOCATION
- RESIDENTIAL REFUSE PATH FROM EAST TO WEST COLLECTION ROOM
- RESIDENTIAL TRASH CHUTE (1 CHUTE EACH FOR REFUSE AND RECYCLING PER SHAFT)
- RESIDENTIAL REFUSE COLLECTION ROOM
- RETAIL AND RESTAURANT REFUSE COLLECTION ROOM



NORTH

1 REFUSE PLAN - TYP RESIDENTIAL LEVEL
SCALE: 1" = 40'-0"

0 40' 80' 120'
GRAPHIC SCALE: 1" = 40' - 0"

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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

CONCEPTUAL PLANS FOR DR REVIEW ONLY

SHEET TITLE

REFUSE PLAN

PROJECT NUMBER 14165.000

DR **25.2**

SHEET NUMBER

Plot Date: 5/8/2025 1:19:26 PM Author

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