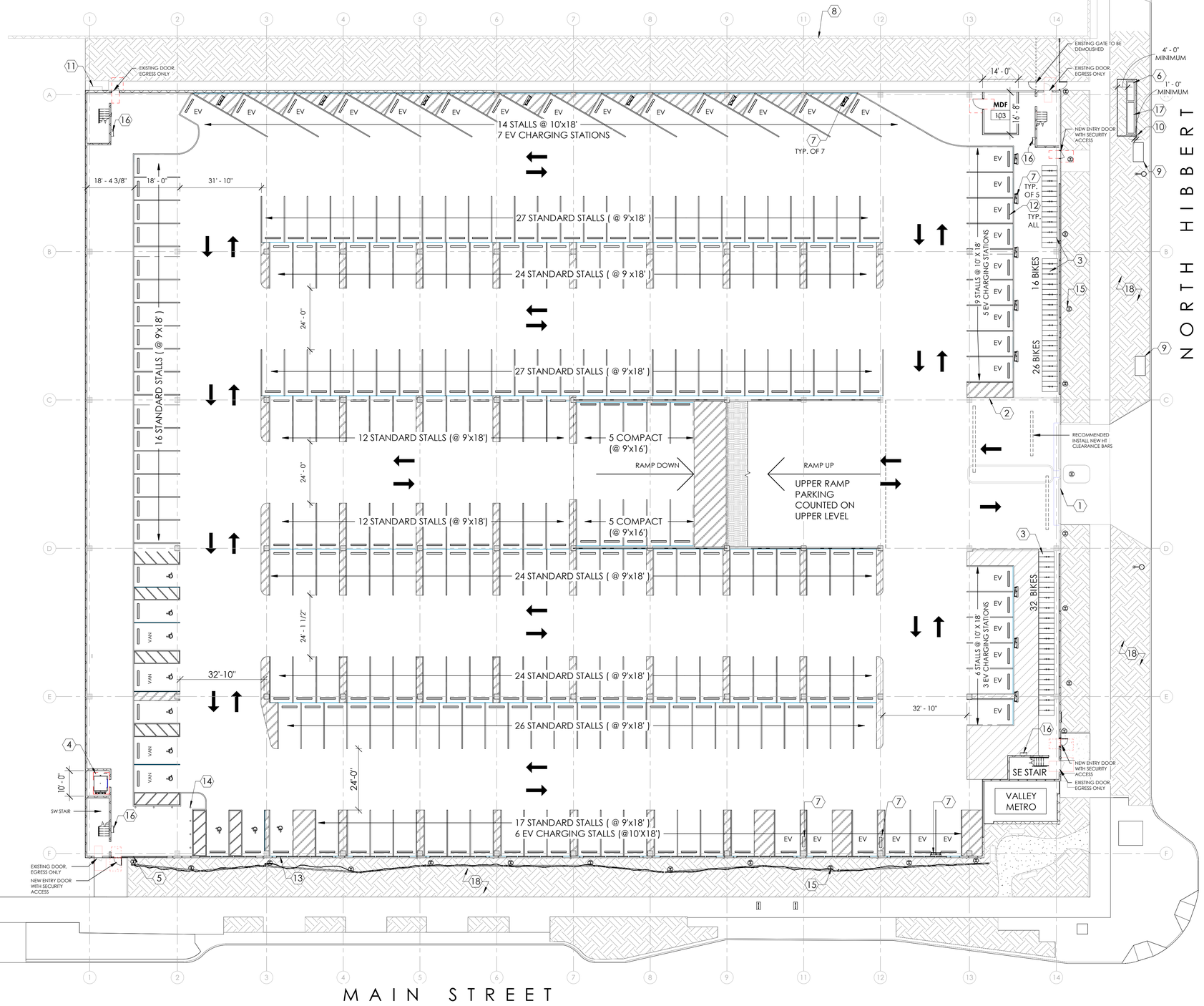

KEYNOTES

1. NEW HIGH-SPEED RYTEK ROLL-UP DOORS; OPERATED VIA ENTRY KIOSK OR CLOSE-RANGE FOB
2. NEW CONCRETE WALL TO 6'-0"; WITH METAL MESH ABOVE
3. BICYCLE STALLS; 2'-0" X 6'-0" MINIMUM
4. NEW MACHINE ROOM-LESS TRACTION ELEVATOR
5. NEW STOREFRONT DOOR AND WINDOWS UTILIZING EXISTING STRUCTURAL OPENING
6. NEW SWITCHGEAR ON HOUSEKEEPING PAD FOR ELECTRIC VEHICLE CHARGING
7. NEW PODIUM DUAL ELECTRIC VEHICLE CHARGERS
8. EXISTING MASONRY SITE WALL FOR APARTMENT COMPLEX NORTH OF SITE
9. EXISTING ELECTRICAL EQUIPMENT
10. NEW SWITCHGEAR SCREEN FENCE
11. EXISTING ELECTRICAL PANEL
12. NEW CONCRETE WHEEL STOP
13. DECORATIVE METAL SECURITY SCREENS
14. PROTECTIVE BOLLARD
15. NEW DECORATIVE FACADE ELEMENT AND SUPPORTING STRUCTURE
16. EV FIRE BLANKET IN WALL-MOUNTED CABINET WITH SIGNAGE, TYP. EVERY LEVEL
17. RELOCATED ELECTRICAL SERVICE FOR GARAGE
18. NEW LANDSCAPING IS NOT A PART OF THIS SCOPE

FIRST FLOOR PARKING:

PERIMETER:
(14) STALLS - NORTH
(15) STALLS - EAST
(23) STALLS - SOUTH
(16) STALLS - WEST

(7) ADA STALLS - SW
(3) ADA STALL - EAST

CENTER:
27
24
27
12 + 5 = 17
12 + 5 = 17
24
24
26

264 TOTAL AUTO PARKING FIRST FLOOR

TOTAL PARKING:

264	TOTAL 1ST FLOOR
298	TOTAL 2ND FLOOR
298	TOTAL 3RD FLOOR
862	TOTAL PARKING STALLS
16	STANDARD ACCESSIBLE STALLS
4	VAN ACCESSIBLE STALLS
74	COMPACT VEHICLE STALLS
766	STANDARD STALLS

+(4) MOTORCYCLE

18 DUAL EV CHARGING STATIONS @ LEVEL ONE SERVING 35 STALLS

NOTE: LANDSCAPING NOT IN SCOPE OF PROJECT

BICYCLE PARKING CALCULATIONS:

PER CITY OF MESA
1ST 500 AUTO: 1:10 RATIO;
ABOVE 500; 1:20;

TOTAL
AUTO STALLS: 862

500/10 = 50 BIKES
362/20 = 18 BIKES

FOR 862 AUTO STALLS:
68 BIKE STALLS REQUIRED

NE:	16
E:	26
SE:	32

TOTAL: 70 PROVIDED

0" 10'-0" 20'-0" 40'-0"

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CITY OF MESA
HIBBERT PARKING GARAGE | SCHEMATIC DESIGN

FIRST LEVEL FLOOR PLAN

2024/03/05
PROJECT NO.23010.04

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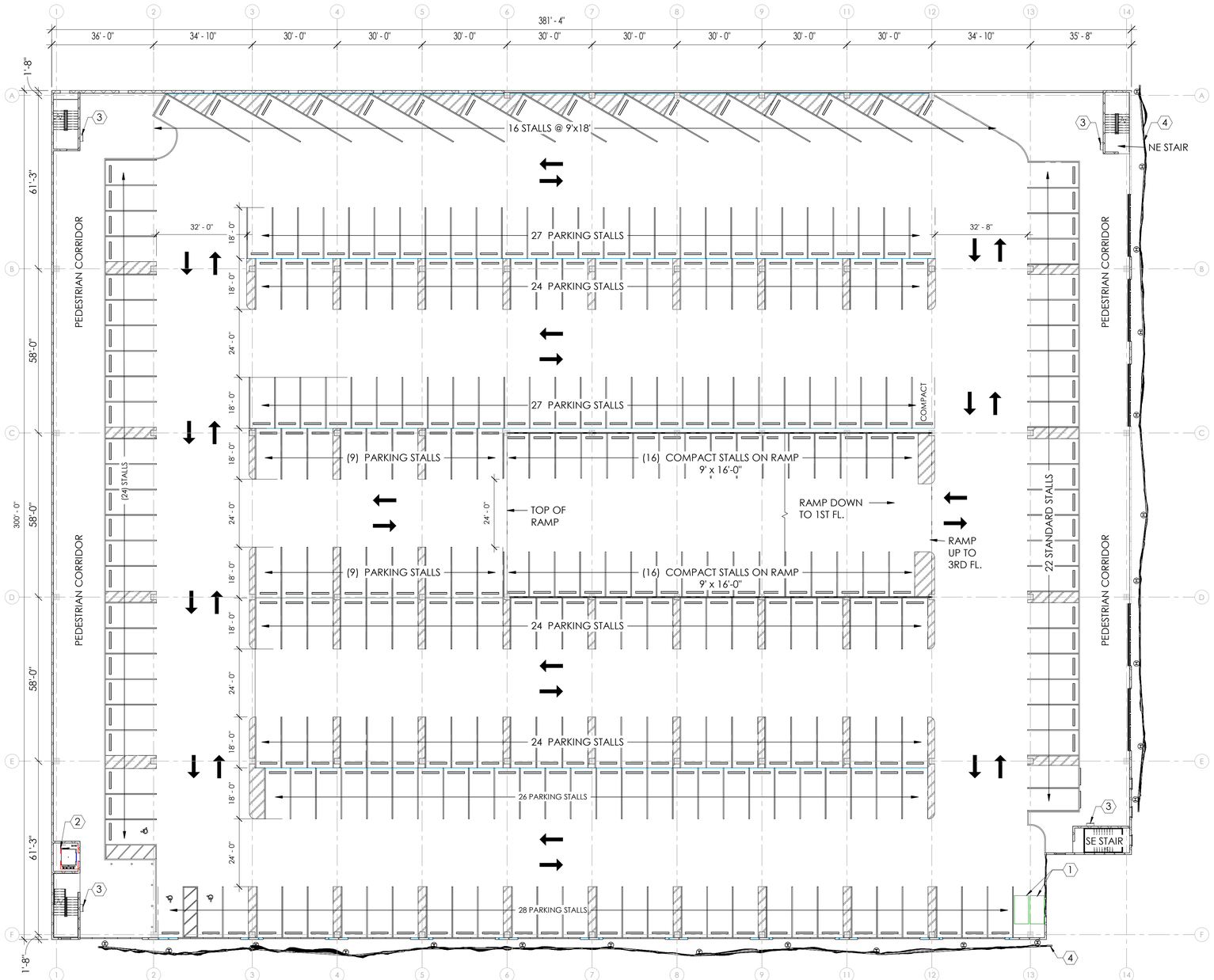

KEYNOTES

1. MOTORCYCLE PARKING; 5'-0" X 10'-0" MINIMUM
2. NEW MACHINE ROOM-LESS TRACTION ELEVATOR
3. EV FIRE BLANKET IN WALL-MOUNTED CABINET WITH SIGNAGE, TYP. EVERY LEVEL
4. NEW DECORATIVE FACADE ELEMENT AND SUPPORTING STRUCTURE

SECOND FLOOR PARKING:

PERIMETER:
N - (16) STANDARD STALLS
E - (22) STANDARD STALLS
(2) COMPACT STALLS
S - (28) STANDARD STALLS
W - (24) STANDARD STALLS

SW (4) ACCESSIBLE

CENTER:
27
24
27
25 (16 + 9 COMPACT)
25 (16 + 9 COMPACT)
24
24
26

298 TOTAL SECOND FLOOR
+ 2 MOTORCYCLE

0" 10'-0" 20'-0" 40'-0"

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SECOND LEVEL FLOOR PLAN

2024/03/05
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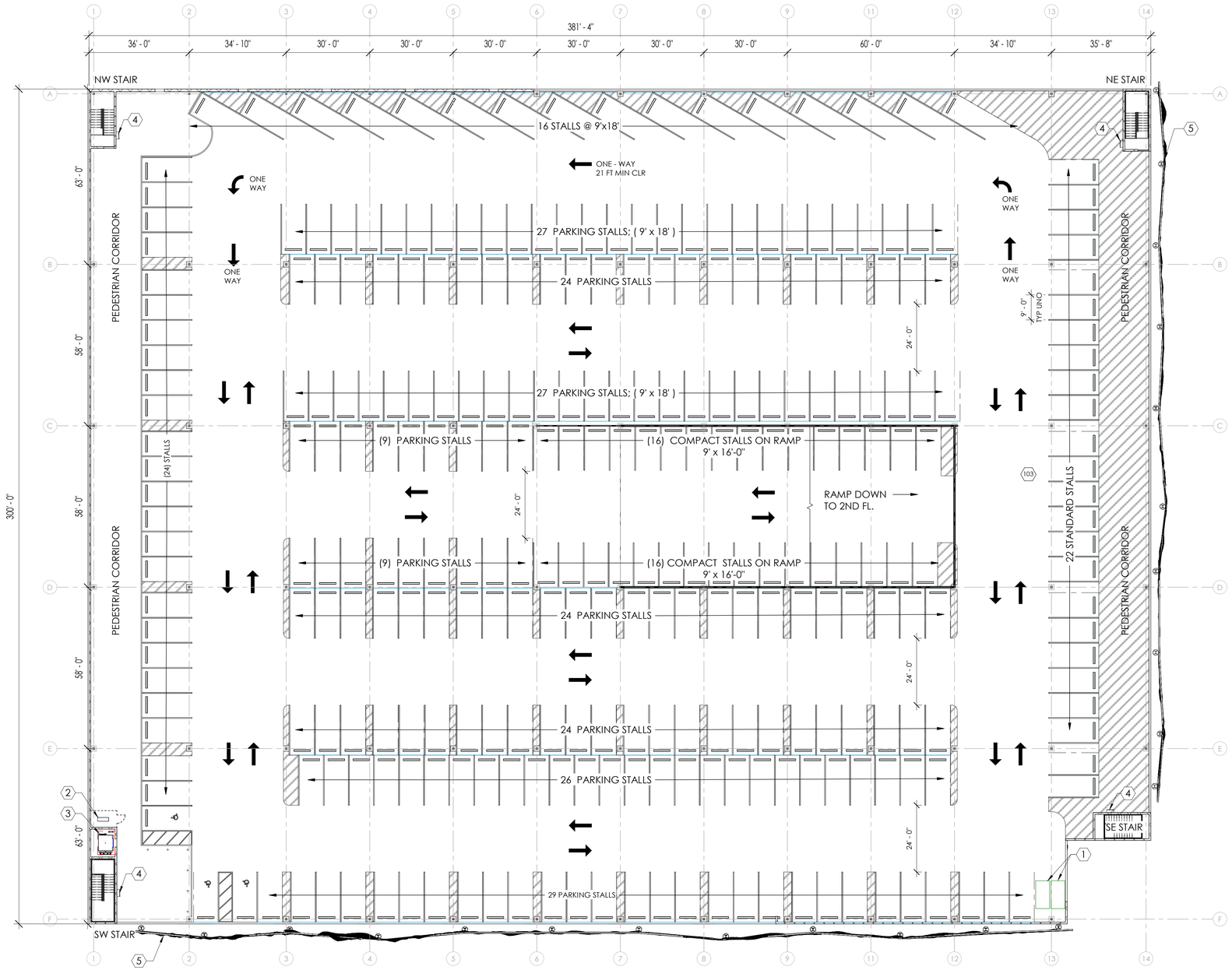

KEYNOTES

1 MOTORCYCLE PARKING; 5'-0" X 10'-0" MINIMUM

2 ELEVATOR SHAFT HVAC EQUIPMENT AND YARD

3 NEW MACHINE ROOM-LESS TRACTION ELEVATOR

4 EV FIRE BLANKET IN WALL-MOUNTED CABINET WITH SIGNAGE, TYP. EVERY LEVEL

5 NEW DECORATIVE FACADE ELEMENT AND SUPPORTING STRUCTURE

THIRD FLOOR PARKING:

PERIMETER:
N - (16) STALLS
E - (22) STANDARD STALLS
(2) COMPACT STALLS
S - (28) STANDARD STALLS
W - (24) REG. STALLS

SW (4) ACCESSIBLE

CENTER:
27
24
27
25 (16 + 9 COMPACT)
25 (16 + 9 COMPACT)
24
24
26

298 TOTAL SECOND FLOOR
+ (2) MOTORCYCLE

0" 10'-0" 20'-0" 40'-0"

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THIRD LEVEL FLOOR PLAN

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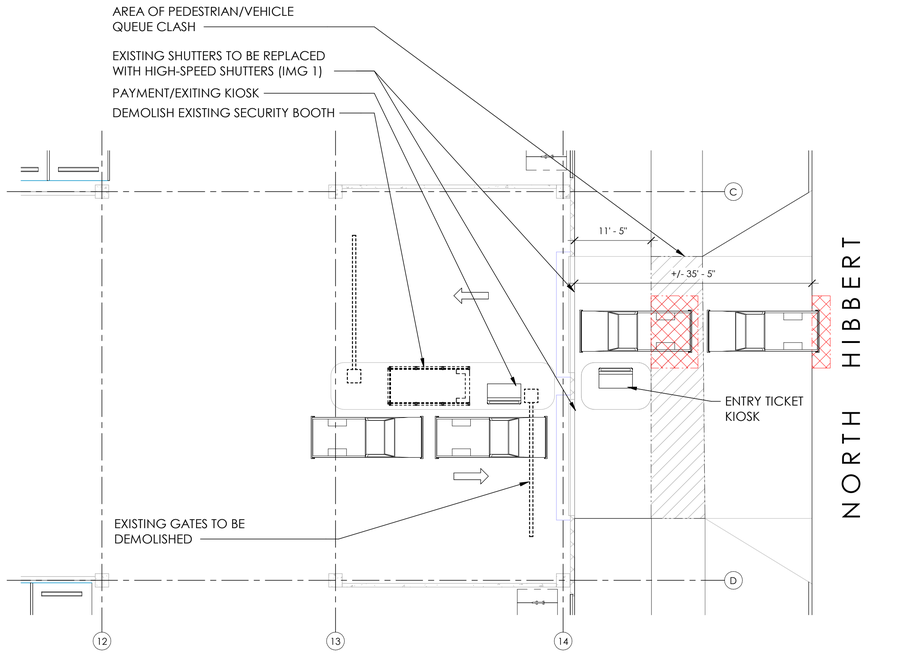
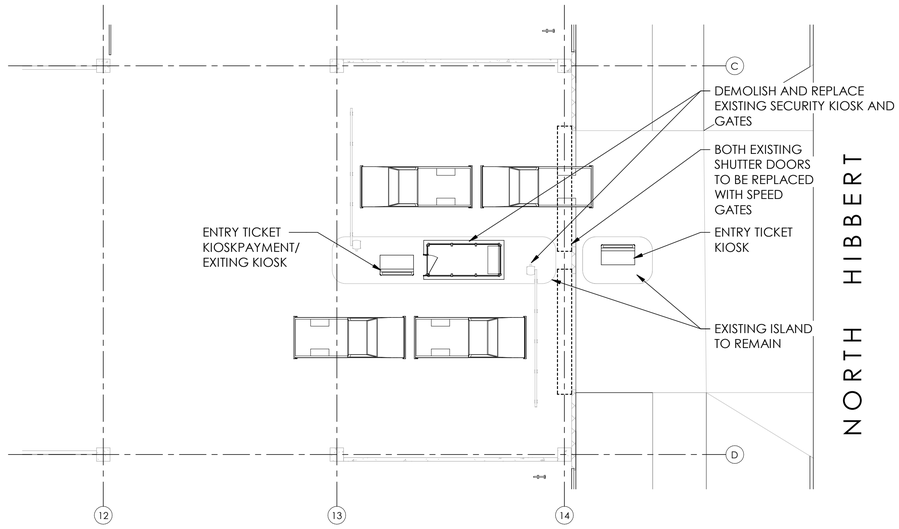


1 VEHICLE ACCESS SECURITY OPTION ONE

SCALE: 3/32" = 1'-0"

0' 5' 10' 20'

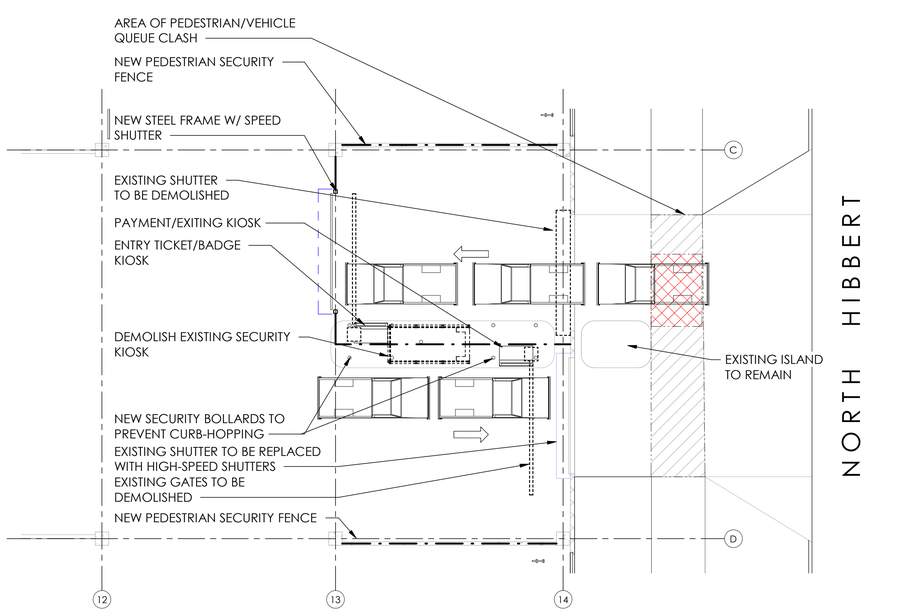


3 VEHICLE ACCESS SECURITY OPTION THREE

SCALE: 3/32" = 1'-0"

0' 5' 10' 20'

IMG 1 [Rytec Doors]



2 VEHICLE ACCESS SECURITY OPTION TWO

SCALE: 3/32" = 1'-0"

0' 5' 10' 20'

VEHICLE ACCESS SECURITY OPTIONS

	PUBLIC USE	OFFICIAL CITY USE
OPTION 1 -	TICKET KIOSK	RFID BADGE AT KIOSK
ADVANTAGES	UTILIZES EXISTING EXTERIOR WALLS AND SHUTTER INFRASTRUCTURE, POTENTIAL REDUCED COSTS, MAINTAINS EXITING QUEUE LENGTH	
DISADVANTAGES	SHORT ENTRY QUEUE LENGTH, CONFLICTS WITH PEDESTRIAN CROSSWALK AND TRAFFIC ON NORTH HIBBERT BEYOND SINGLE VEHICLE QUEUING.	
OPTION 2 -	TICKET KIOSK (SET BACK)	RFID BADGE AT KIOSK (SET BACK)
ADVANTAGES	EXTENDS ENTRY VEHICLE QUEUE AND REDUCES PRESSURE ON NORTH HIBBERT, REDUCES ODDS OF CONFLICT WITH STREET TRAFFIC. UTILIZES EXISTING INTERIOR MEDIAN CURB. EXISTING EXIT SHUTTER LOCATION CAN BE MAINTAINED	
DISADVANTAGES	REQURES STRUCTURAL DESIGN FOR NEW SHUTTER LOCATION, REQUIRES ADDITIONAL BOLLARD PLACEMENT. NEW SECURITY FENCING REQUIRED TO SECURE PEDESTRIAN ACCESS.	
OPTION 3 -	SECURITY KIOSK	WIRELESS ACCESS DEVICE (GATE ENTRY)
ADVANTAGES	ALLOWS FOR ACTIVE, ON-SITE MONITORING OF VEHICULAR AND PEDESTRIAN TRAFFIC SCHEDULED TO CITY OF MESA PREFERENCES. ALLOWS FOR UTILIZATION OF EXISTING ELECTRICAL AND STRUCTURAL INFRASTRUCTURE, AND CAN KEEP SHUTTERS OPEN WHILE SECURITY IS ON-SITE.	
DISADVANTAGES	REQURES ACTIVE MONITORING OF PUBLIC PARKING TO ENSURE SITE IS SECURE. AFTER-HOURS ACCESS IF NOT MONITORED ON-SITE 24/7 IS RELEGATED BACK TO EXISTING LOCATION OF SHUTTERS, WITH POSSIBLE TRAFFIC CONFLICT ON HIBBERT	

POSSIBILITY FOR ANY COMBINATION OF THE AFOREMENTIONED FEATURES TO THE PREFERENCE OF THE CITY OF MESA

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VEHICLE ACCESS SECURITY OPTIONS

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