

Washington DC VA Medical Center  
North Parking Garage Expansion

• Group S-2 Open Parking Garage above the existing S-2 Enclosed Parking Garage

• Additional three tiers to the existing three-tier structure

• The structure is designed for future expansion.

• Construction type IIB over existing construction type IB

APPLICABLE CODES AND DESIGN MANUALS

• International Building Code (IBC) 2015

• NFPA 101 Life Safety Code

• NFPA National Fire Codes with the exception of 5000 and NFPA 900

• International Plumbing Code

• Energy Policy Act of 2005

• VA Parking Design Manual Part III

• NFPA 13: Standard for the Installation of Sprinkler Systems

• NFPA 70: National Electric Code

• NFPA 98A: Standard for Parking Structures

• ICC International Building Code

• ICC International Electrical Code

• ICC International Energy Code

• International Mechanical Code

• International Plumbing Code

• VA Design Manuals: Architectural, Electrical, HVAC, Plumbing, Site Utilities, Auto Transport, Interior Design, Structural

CODE REQUIREMENTS	IBC 2015			
	REFERENCE	ALLOWABLE OR REQUIRED	PROVIDED	COMMENTS
BUILDING USE GROUPS	311.3	LOW-HAZARD STORAGE, GROUP S-2		
PUBLIC PARKING GARAGES	406.4	OPEN OR ENCLOSED PARKING GARAGE	OPEN/PARKING GARAGE	
CLEAR HEIGHT	VA DESIGN MANUAL PART III	8'-4" MIN. AT ALL LOCATIONS OF EXPANSION PER VA GUIDELINES	DESIGN COMPLIES AS REQUIRED	
GUARDS	406.4.2	SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1015	3'-6" PEDESTRIAN GUARD	PER SECTION 1013 (VERTICAL DISTANCE BETWEEN PARKING SURFACE AND GRADE EXCEEDS 30 INCHES)
VEHICLE BARRIERS	406.4.3	2'-9" MIN. VEHICLE GUARDS REQUIRED	3'-6" HIGH BARRIER	WHERE DIFFERENCE IN FLOOR ELEVATION 1 FT. BARRIER COMPLYING WITH LOADING SECTION 1607.8.3
RAMP	406.4.4	1:15 (6.67%) MAX. SLOPE FOR PARKING	VARIES, COMPLY AS REQUIRED	
	VA DESIGN MANUAL PART III	5.6% MAX. SLOPE FOR PARKING PARKING	VARIES, COMPLY AS REQUIRED	PER SECTION 7-2
FLOOR SURFACE	406.4.5	SLOPED CONCRETE FOR DRAINAGE	SLOPED CONCRETE	
OPEN PARKING GARAGES	406.5	OPEN PARKING GARAGES		
CONSTRUCTION	406.5.1	MUST BE OF I, II, OR IV	CONSTRUCTION TYPE IIB	SEE SECTION 510.3
OPENINGS	406.5.2	SHALL HAVE UNIFORMLY DISTRIBUTED OPENINGS ON TWO OR MORE SIDES. OPENINGS IN EXTERIOR WALLS ON A TIER SHALL BE NOT LESS THAN 20% OF THE TOTAL PERIMETER WALL AREA OF EACH TIER. THE AGGREGATE LENGTH OF THE OPENINGS SHALL BE NOT LESS THAN 40% OF THE PERIMETER OF THE TIER.	OPENNESS PER 406.5.2	
SINGLE USE	406.5.4.1	COMPLY WITH TABLE 406.5.4 (50,000 FT² AND 8 TIERS)	42,007 FT² MAX. 4 TIERS	
FIRE SEPARATION DISTANCE	406.5.6	EXTERIOR WALLS AND OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH TABLES 601 AND 602.	DESIGN COMPLIES AS REQUIRED	
MEANS OF EGRESS	406.5.7	MIN. TWO EXIT STAIRWAYS. EACH EXIT STAIRWAY SHALL BE NOT LESS THAN 36" IN WIDTH.	DESIGN COMPLIES AS REQUIRED	
STANDPIPE SYSTEM	406.5.8	SHALL BE EQUIPPED WITH A STANDPIPE SYSTEM AS REQUIRED BY SECTION 905.3.	DESIGN COMPLIES AS REQUIRED	
VENTILATION	406.5.10	NONE OTHER THAN PERCENTAGE REQUIRED FOR 406.5.2.		
OPEN PARKING STRUCTURES	NFPA 101 42.8.1.3.1	EACH PARKING LEVEL SHALL HAVE WALL OPENING OPEN TO THE ATMOSPHERE FOR AN AREA OF NOT LESS THAN 1.4FT² FOR EACH LINEAR FOOT OF ITS EXTERIOR PERIMETER.	DESIGN COMPLIES AS REQUIRED	
CLASSIFICATION OF HAZARD OF CONTENTS	NFPA 101 42.8.1.5	PARKING STRUCTURES USED ONLY FOR STORAGE OF VEHICLES SHALL BE CLASSIFIED AS ORDINARY HAZARD IN ACCORDANCE WITH SECTION 6.2		
SPECIAL PROVISIONS	510.3	A GROUP S-2 ENCLOSED PARKING GARAGE WITH NOT MORE THAN ONE STORY ABOVE GRADE PLANE AND LOCATED BELOW A GROUP S-2 OPEN PARKING GARAGE SHALL BE CLASSIFIED AS A SEPARATE AND DISTINCT BUILDING FOR THE PURPOSE OF DETERMINING THE TYPE OF CONSTRUCTION WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:		
GROUP S-2 ENCLOSED PARKING GARAGE WITH GROUP S-2 OPEN PARKING GARAGE ABOVE	CONDITION 1	THE ALLOWABLE AREA OF THE BUILDING SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL AREA DIVIDED BY THE ALLOWABLE AREA FOR EACH SEPARATE OCCUPANCY SHALL NOT EXCEED 1.	THE CONDITION IS MET.	
	CONDITION 2	THE GROUP S-2 ENCLOSED PARKING GARAGE IS OF TYPE I OR II CONSTRUCTION AND IS AT LEAST EQUAL TO THE FIRE-RESISTANCE REQUIREMENTS OF THE GROUP S-2 OPEN PARKING GARAGE.	THE CONDITION IS MET.	
	CONDITION 3	THE HEIGHT AND THE NUMBER OF TIERS OF THE GROUP S-2 OPEN PARKING GARAGE SHALL BE LIMITED AS SPECIFIED IN TABLE 406.5.4.	THE CONDITION IS MET.	
	CONDITION 4	THE FLOOR ASSEMBLY SEPARATING THE GROUP S-2 ENCLOSED PARKING GARAGE AND GROUP S-2 OPEN PARKING GARAGE SHALL BE PROTECTED AS REQUIRED FOR THE FLOOR ASSEMBLY OF THE GROUP S-2 ENCLOSED PARKING GARAGE. OPENINGS BETWEEN THE GROUP S-2 ENCLOSED PARKING GARAGE AND GROUP S-2 OPEN PARKING GARAGE, EXCEPT EXIT OPENINGS, SHALL NOT BE REQUIRED TO BE PROTECTED.	THE CONDITION IS MET.	EGRESS STAIRS SHARED BY BOTH USES SHALL BE FULLY ENCLOSED AND PROTECTED.
	CONDITION 5	THE GROUP S-2 ENCLOSED PARKING GARAGE IS USED EXCLUSIVELY FOR THE PARKING OR STORAGE OF PRIVATE MOTOR VEHICLES, BUT SHALL BE PERMITTED TO CONTAIN AN OFFICE, WAITING ROOM AND TOILET ROOM HAVING A TOTAL AREA OF NOT MORE THAN 1,000 SQUARE FEET, AND MECHANICAL EQUIPMENTAL ROOMS INCIDENTAL TO THE OPERATION OF THE BUILDING.	THE CONDITION IS MET.	
CONSTRUCTION TYPE	602.2	TYPE II B, NONCOMBUSTIBLE	COMPLY AS REQUIRED	
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS	TABLE 601			
└ PRIMARY STRUCTURAL FRAME		0 HOUR	DESIGN COMPLIES AS REQUIRED	
└ BEARING WALLS EXTERIOR		0 HOUR	DESIGN COMPLIES AS REQUIRED	
└ BEARING WALLS INTERIOR		0 HOUR	DESIGN COMPLIES AS REQUIRED	
└ NONBEARING WALLS AND INTERIOR		0 HOUR	DESIGN COMPLIES AS REQUIRED	
└ FLOOR & SECONDARY MEMBERS		0 HOUR	DESIGN COMPLIES AS REQUIRED	
└ ROOF & SECONDARY MEMBERS		0 HOUR	DESIGN COMPLIES AS REQUIRED	
FIRE-RESISTRANCE RATINGS	703.2			SHALL BE DETERMINED IN ACCORDANCE WITH THE TEST PROCEDURE SET FORTH IN ASTM E 119 OR UL 263 OR IN ACCORDANCE WITH SECTION 703.3.
FIRE-RESISTANCE RATINGS, EXTERIOR WALLS	705.5	F.S.D. GREATER THAN 10 FEET SHALL BE RATED FROM INSIDE. F.S.D. LESS THAN OR EQUAL TO 10 FEET SHALL BE RATED FROM BOTH SIDES		
ALLOWABLE OPENINGS-UNPROTECTED, NONSPRINKLERED	TABLE 705.8	0 < 3 FEET: NOT PERMITTED. 3 FEET < 5 FEET: NOT PERMITTED. 5 FEET < 10 FEET: 10%, 10FEET < 15 FEET: 15%		EXCEPTION G. OPEN PARKING STRUCTURE WITH A FIRE SEPARATION DISTANCE OF 10 FT OR GREATER SHALL NOT BE LIMITED.
VERTICAL SEPARATION OF OPENINGS	705.8.5	NOT REQUIRED		PER EXCEPTION 3, NOT REQUIRED IF OPEN PARKING GARAGE
JOINTS	705.9	FIRE RATING NOT REQUIRED		PER EXCEPTION, JOINTS IN EXTERIOR WALLS PERMITTED TO HAVE UNPROTECTED OPENINGS
DUCTS AND AIR TRANSFER OPENINGS	705.10	PER SECTION 717	SEE MECHANICAL DRAWINGS	
PARAPETS	705.11	NOT REQUIRED		PER EXCEPTION 3, NOT REQUIRED IF WALLS THAT TERMINATE AT ROOFS OF NOT LESS THAN 2-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION
VERTICAL OPENINGS	712			VERTICAL OPENINGS ARE PERMITTED IN 712.1.9 PARKING GARAGE RAMP. 712.1.15 ELEVATOR HOISTWAYS SERVING ONLY THE PARKING GARAGE
FIRE-RESISTANCE RATING	713.4	SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS.	2 HOURS PROVIDED AT STAIRWAY ENCLOSURES	
ELEVATOR LOBBY	713.14.1	NOT REQUIRED		PER EXCEPTION 7, ENCLOSED ELEVATOR LOBBIES ARE NOT REQUIRED WHERE ELEVATOR SERVING ONLY OPEN PARKING GARAGES
PENETRATIONS	714	REQUIRED	AS REQUIRED	PENETRATIONS SHALL BE INSTALLED AS TESTED IN AN APPROVED FIRE RESISTANCE-RATED ASSEMBLY
FIRE-RESISTANT JOINT SYSTEMS	715	NOT REQUIRED		PER EXCEPTION 5, FLOORS AND RAMPS WITHIN OPEN AND ENCLOSED PARKING GARAGES

CODE REQUIREMENTS	IBC 2015			
	REFERENCE	ALLOWABLE OR REQUIRED	PROVIDED	COMMENTS
AUTOMATIC SPRINKLER SYSTEMS	903.2	APPROVED AUTOMATIC SPRINKLER SYSTEMS IN NEW BUILDINGS AND STRUCTURES SHALL BE PROVIDED IN LOCATIONS DESCRIBED IN SECTIONS 903.2.1 THROUGH 903.2.12		S-2 OPEN PARKING GARAGE OCCUPANCY NOT LISTED AS REQUIRING AN AUTOMATIC SPRINKLER SYSTEM
STANDPIPE SYSTEMS	905.3.1	REQUIRED - CLASS I (EXCEPTION 2)	DESIGN COMPLIES AS REQUIRED	CLASS I MANUAL STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES WHERE THE HIGHEST FLOOR IS LOCATED NOT MORE THAN 150 FEET
LOCATION OF CLASS I STANDPIPE HOSE CONNECTIONS	905.4	STAIRWAYS (INTERMEDIATE LANDINGS)	AS REQUIRED	SHALL BE ACCESSIBLE AND LOCATED SO THAT ALL PORTIONS OF THE BUILDING ARE WITHIN 30 FEET OF A NOZZLE ATTACHED TO 100 FEET OF HOSE
PORTABLE FIRE EXTINGUISHERS	NFPA 101 42.8.1.5, TABLE 906.3(2)	CLASS B FIRE HAZARDS, 20-B EXTINGUISHER	DESIGN COMPLIES AS REQUIRED	MAX. TRAVEL DISTANCE TO EXTINGUISHER: 50 FEET
	906.8	CABINETS SHALL NOT BE LOCKED	LOCKED CABINETS PROVIDED	EXCEPTION 1. WHERE PORTABLE EXTINGUISHERS SUBJECT TO MALICIOUS USE OR DAMAGE ARE PROVIDED WITH A MEANS OF READY ACCESS
	906.9.1	EXTINGUISHER < 40 LBS MOUNT WITH TOP NOT MORE THAN 5 FEET ABOVE THE FLOOR	AS REQUIRED	
FIRE ALARM SYSTEM	NFPA 101 42.8.3.4.1.2	NOT REQUIRED		OPEN PARKING STRUCTURES SHALL NOT BE REQUIRED TO HAVE A FIRE ALARM SYSTEM.
MEANS OF EGRESS	NFPA 101 7.2 & 42.2	MEANS OF EGRESS FOR BOTH NEW AND EXISTING BUILDING SHALL COMPLY WITH THE CHAPTER 7.2 AND 42.2		REFER TO CHAPTER 42.2 FOR MEANS OF EGRESS REQUIREMENTS SPECIFIC TO PARKING GARAGE OCCUPANCIES
OCCUPANT LOAD CALCULATION	TABLE 1004.1.2	PARKING GARAGES : 200 GROSS SF / OCCUPANTS	42,007 GSF / 200 = 210 OCCUPANTS	205 OCCUPANTS PER TIER (IN NFPA 101 TABLE 7.3.1.2, OCCUPANT LOAD FACTOR FOR STORAGE OCCUPANCIES IS NOT ASSIGNED)
EGRESS CAPACITY	NFPA 101 7.3.3			
└ STAIRWAYS	NFPA 101 TABLE 7.3.3.1	TOTAL OCCUPANT LOAD X 0.3 INCHES (200) * (.03) = 60"	DESIGN COMPLIES AS REQUIRED	
└ LEVEL COMPONENTS AND RAMP	NFPA 101 TABLE 7.3.3.1	TOTAL OCCUPANT LOAD X 0.2 INCHES (200) * (.02) = 40"	DESIGN COMPLIES AS REQUIRED	
STAIRS	NFPA 101 7.2.2			
MINIMUM NEW STAIR WIDTH	NFPA 101 TABLE 7.2.2.2.1.1 (B)	44 INCHES	DESIGN COMPLIES AS REQUIRED	AREA OF REFUGE NOT REQUIRED
MINIMUM & MAXIMUM HEIGHT OF RISERS	NFPA 101 TABLE 7.2.2.2.1.1 (a)	MIN. 4 INCHES & MAX. 7 INCHES	DESIGN COMPLIES AS REQUIRED	
MINIMUM TREAD DEPTH	NFPA 101 TABLE 7.2.2.2.1.1(a)	11 INCHES	DESIGN COMPLIES AS REQUIRED	
MINIMUM HEADROOM	NFPA 101 TABLE 7.2.2.2.1.1(a)	6 FEET 8 INCHES	DESIGN COMPLIES AS REQUIRED	
MAXIMUM HEIGHT BETWEEN LANDINGS	NFPA 101 TABLE 7.2.2.2.1.1(a)	12 FEET	DESIGN COMPLIES AS REQUIRED	
STAIR LANDING	NFPA 101 7.2.2.3.2	SHALL CONTINUE WITH NO DECREASE IN WIDTH ALONG THE DIRECTION OF EGRESS TRAVEL, NOT LESS THAN THE WIDTH OF THE STAIR	DESIGN COMPLIES AS REQUIRED	
GUARDS AND HANDRAILS	NFPA 101 7.2.2.4			
NEW HANDRAIL HEIGHT	NFPA 101 7.2.2.4.5.1	MIN. 34 INCHES & MAX. 38 INCHES	DESIGN COMPLIES AS REQUIRED	
NEW HANDRAIL CLEARANCE	NFPA 101 7.2.2.4.5.5	MIN. 2 1/4 INCHES BETWEEN THE HANDRAIL AND THE WALL TO WHICH IT IS FASTENED	DESIGN COMPLIES AS REQUIRED	
NEW HANDRAIL EXTENSION	NFPA 101 7.2.2.4.5.10	EXTEND HORIZONTALLY MIN. 12 INCHES BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR A DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER	DESIGN COMPLIES AS REQUIRED	
EXIT STAIR ILLUMINATION	NFPA 101 7.2.2.5.11	CONTINUOUSLY ILLUMINATED FOR AT LEAST 60 MINUTES PRIOR TO PERIODS WHEN THE BUILDING IS OCCUPIED. THE ILLUMINATION SHALL REMAIN ON WHEN THE BUILDING IS OCCUPIED. MIN. 1 FOOT-CANDLE AT THE WALKING SURFACE.	SEE ELECTRICAL DRAWINGS	
GUARD HEIGHT	NFPA 101 7.2.2.4.6.2	MIN. 42 INCHES	DESIGN COMPLIES AS REQUIRED	
OPEN GUARDS	NFPA 101 7.2.2.4.6.2	INTERMEDIATE RAILS SUCH THAT A SPHERE IN 4 INCHES IN DIAMETER IS NOT ABLE TO PASS THROUGH ANY OPENING UP TO A HEIGHT OF 34 INCHES	DESIGN COMPLIES AS REQUIRED	
EMERGENCY POWER SUPPLY SYSTEM (EPSS)	NFPA 101 7.2.3.12	A TYPE 60, CLASS 2, LEVEL 2 EPSS SHALL BE PROVIDED THAN NFPA 110	SEE ELECTRICAL DRAWINGS	
ACCESSIBLE MEANS OF EGRESS	NFPA 101 7.5.4.1	MIN. TWO ACCESSIBLE MEANS OF EGRESS	DESIGN COMPLIES AS REQUIRED	
ELEVATORS	NFPA 101 7.5.4.7	MIN. ONE ELEVATOR AS AN ACCESSIBLE MEANS OF EGRESS WITH FOUR OR MORE STORIES ABOVE A STORY OF EXIT DISCHARGE PROVIDE TRACTION ELEVATORS. USE A MIN.4000 LB. CAB WITH 350 FPM SPEED OF OPERATION	DESIGN COMPLIES AS REQUIRED	
	VA DESIGN MANUAL PART III SECTION 7-16			
AREAS OF REFUGE	NFPA 101 42.8.2.2.9.2	NOT REQUIRED	DESIGN COMPLIES AS REQUIRED	IN OPEN-AIR PARKING STRUCTURES, THE AREA OF REFUGE REQUIREMENTS SHALL NOT APPLY
TRAVEL DISTANCE TO EXITS	NFPA 101 TABLE 42.8.2.6.1	300 FEET	DESIGN COMPLIES AS REQUIRED	SEE A0.2 FOR TRAVEL DISTANCE
ACCESSIBILITY REQUIREMENTS	VA DESIGN MANUAL PART III SECTION 4-4	5% OF TOTAL NUMBER OF PARKING TO BE ADA ACCESSIBLE. OF THE TOTAL ACCESSIBLE SPACES, 1 IN 6 SHOULD BE VAN ACCESSIBLE.	DESIGN COMPLIES AS REQUIRED	

6100% Submission04/30/17

595% CD Submission03/31/17

4100% Submission02/16/15

395% Submission08/28/14

265% Submission08/07/14

135% Submission04/15/14

Revisions:Date

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Drawing Title

CODE ANALYSIS

Approved: Project Director

-

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Project Title

VA MEDICAL CENTER  
EXPAND VISITOR/PATIENT  
PARKING GARAGE - PHASE I

Location

50 IRVING ST. N.W. WASHINGTON, D.C.

Date

04/30/17

Checked

NCA

Drawn

MRC

Project Number

688-345

Building Number


15

Drawing Number

A0.1

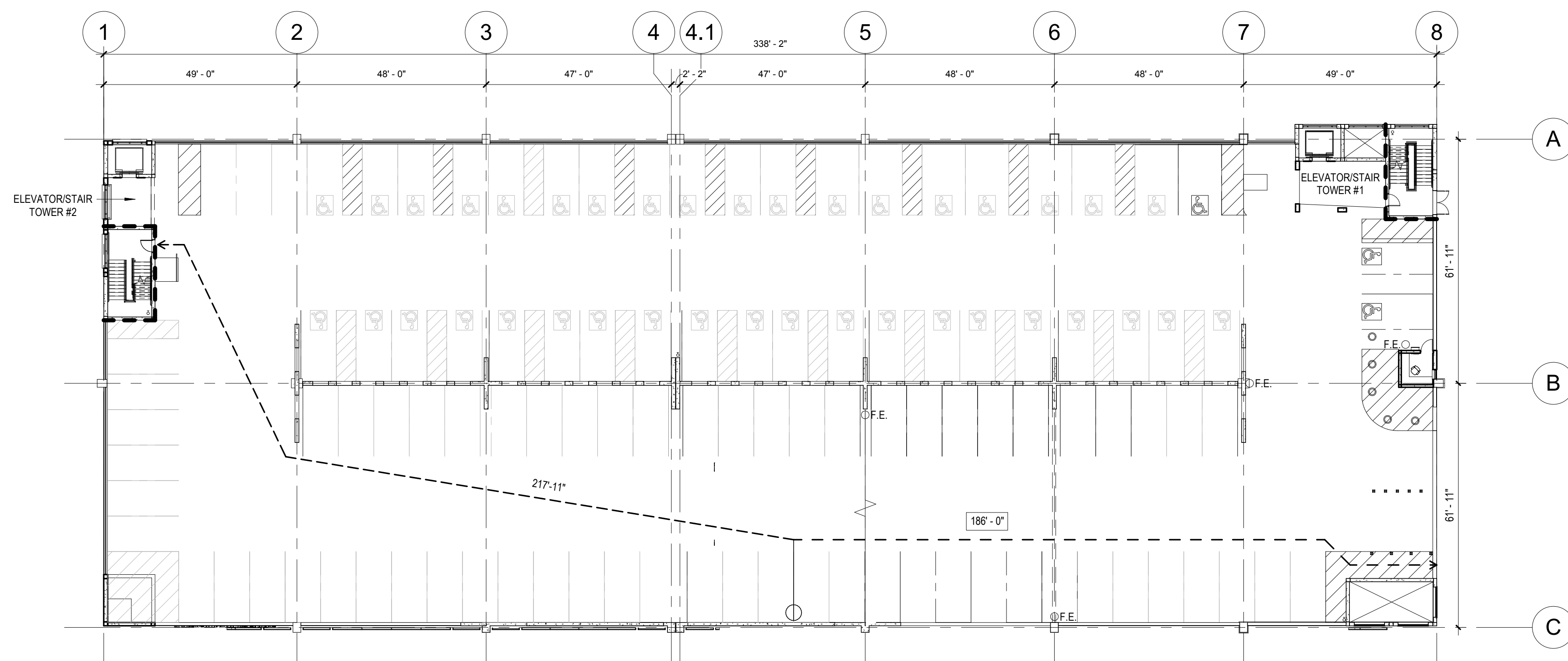
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Office of  
Construction and  
Facilities  
Management

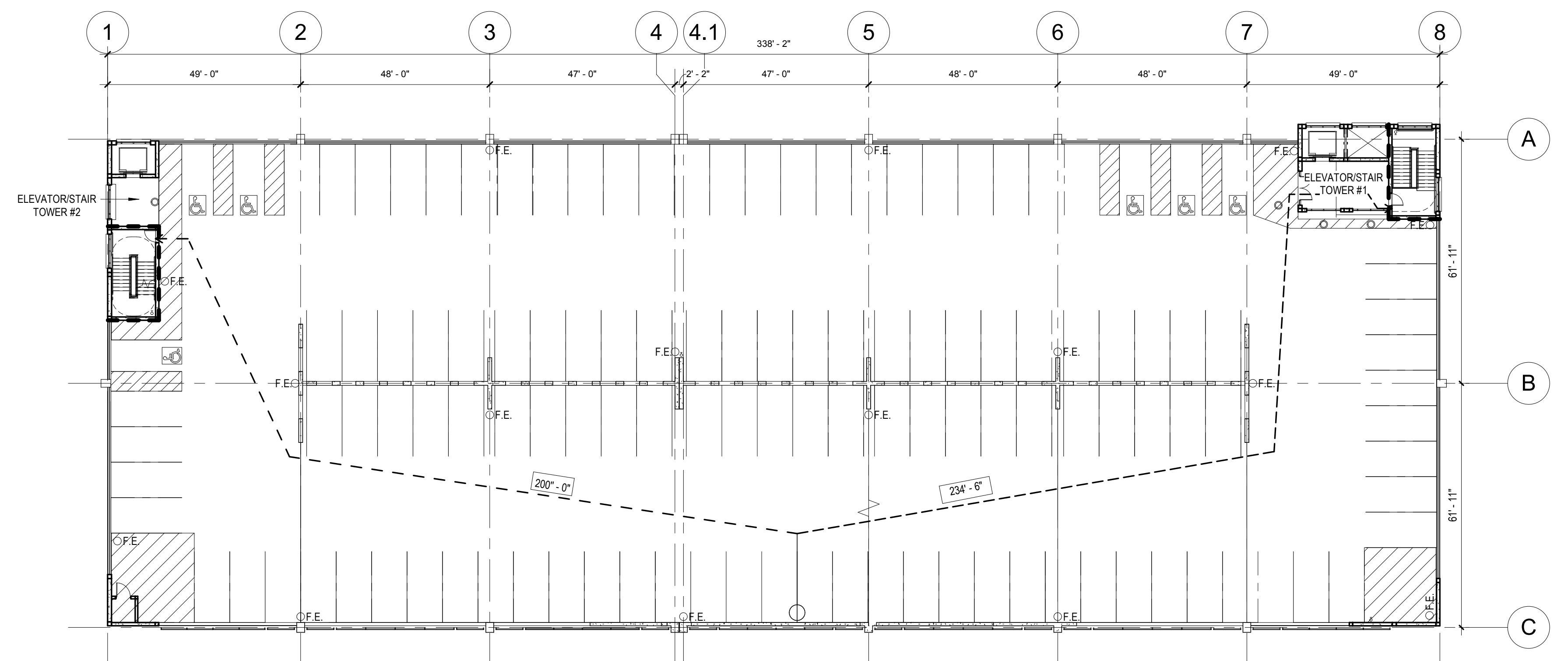
 Department of  
Veterans Affairs



one eighth inch = one foot  
one quarter inch = one foot  
one half inch = one foot  
three quarters inch = one foot  
one inch = one foot  
one and one half inches = one foot  
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ninety five inches = one foot  
ninety six inches = one foot  
ninety seven inches = one foot  
ninety eight inches = one foot  
ninety nine inches = one foot  
one hundred inches = one foot



**01 GROUND TIER TRAVEL DISTANCE PLAN**  
3/64" = 1'-0"

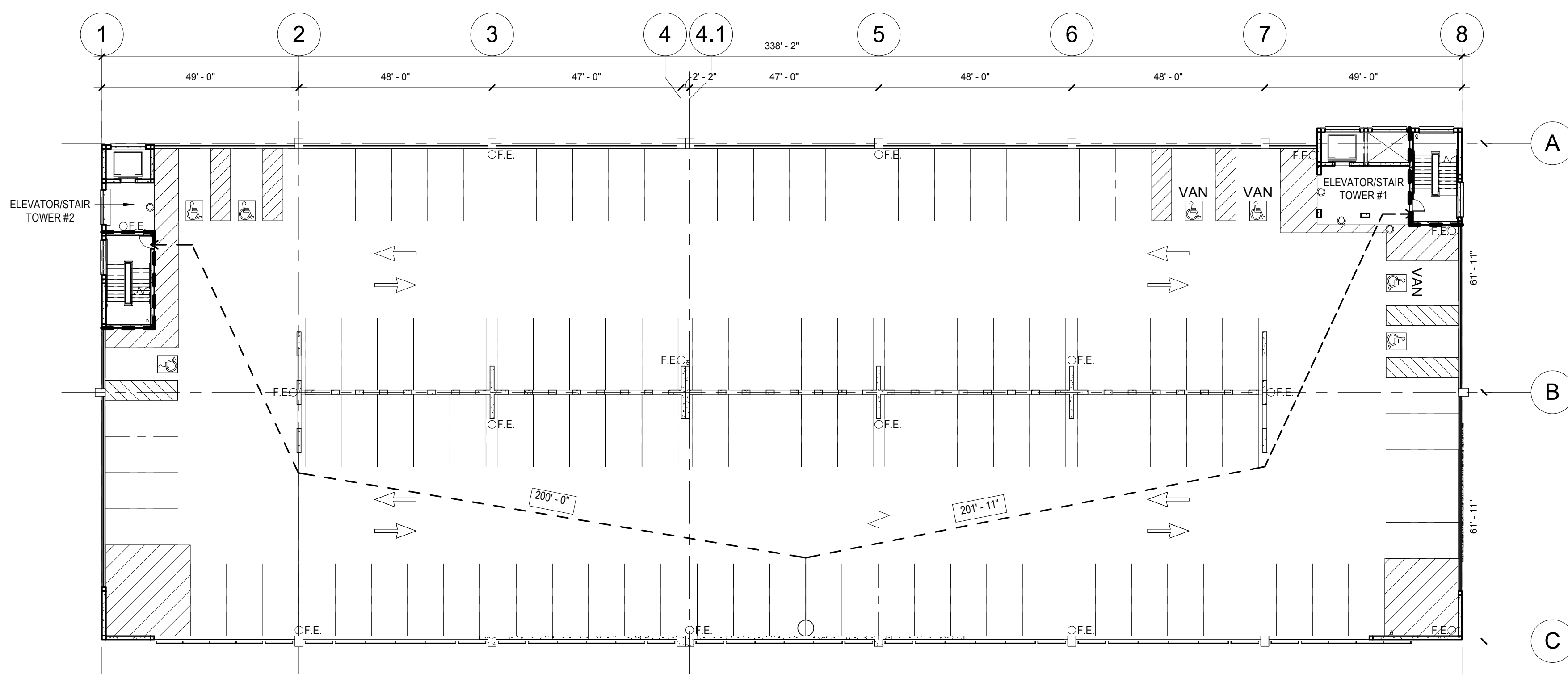


**03 THIRD TIER TRAVEL DISTANCE PLAN**  
3/64" = 1'-0"

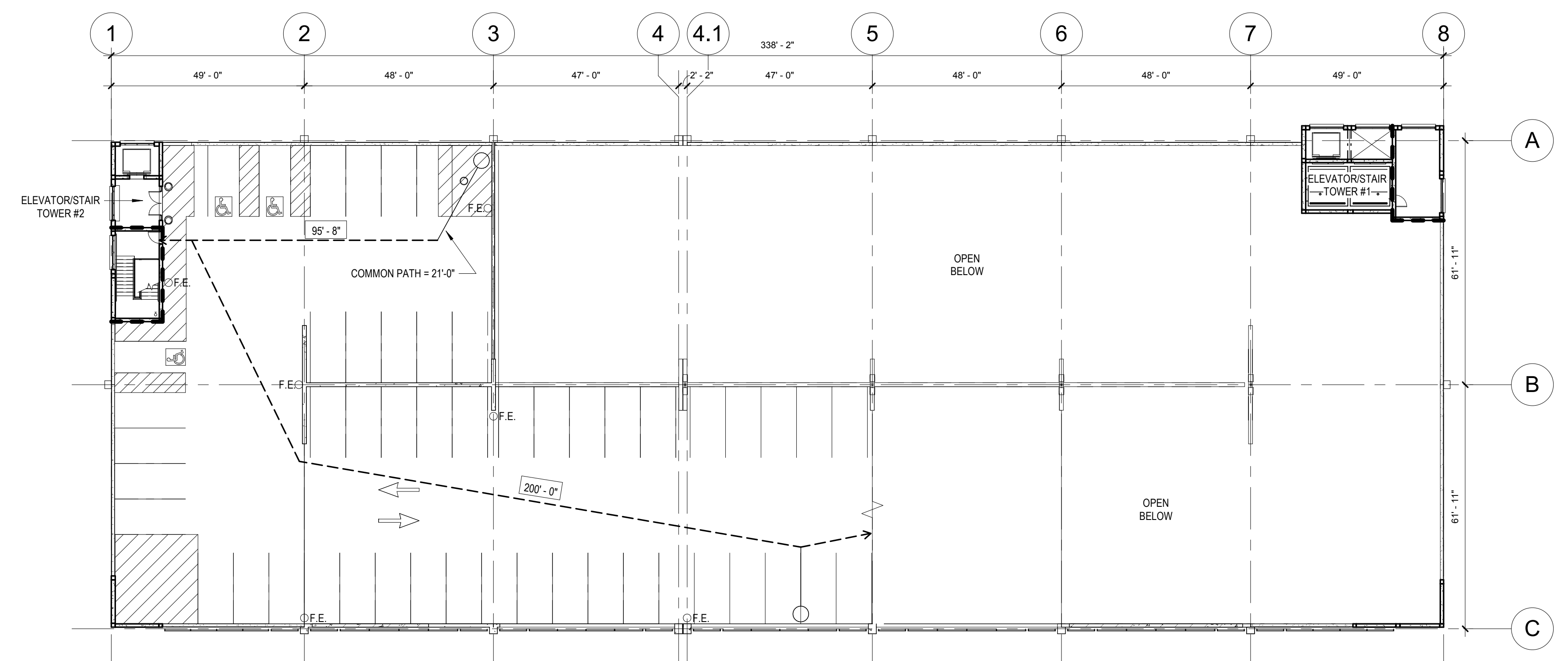
**PLAN LEGEND**

- COMMON PATH
- EGRESS PATH/TRAVEL DISTANCE
- 2 HR FIRE-RESISTANCE
- F.E. PORTABLE FIRE EXTINGUISHER
- XXX'-X" MEANS OF EGRESS TRAVEL DISTANCE



NOTE: ALL PARKING SPACES ARE TYPICAL UNLESS OTHERWISE NOTED.



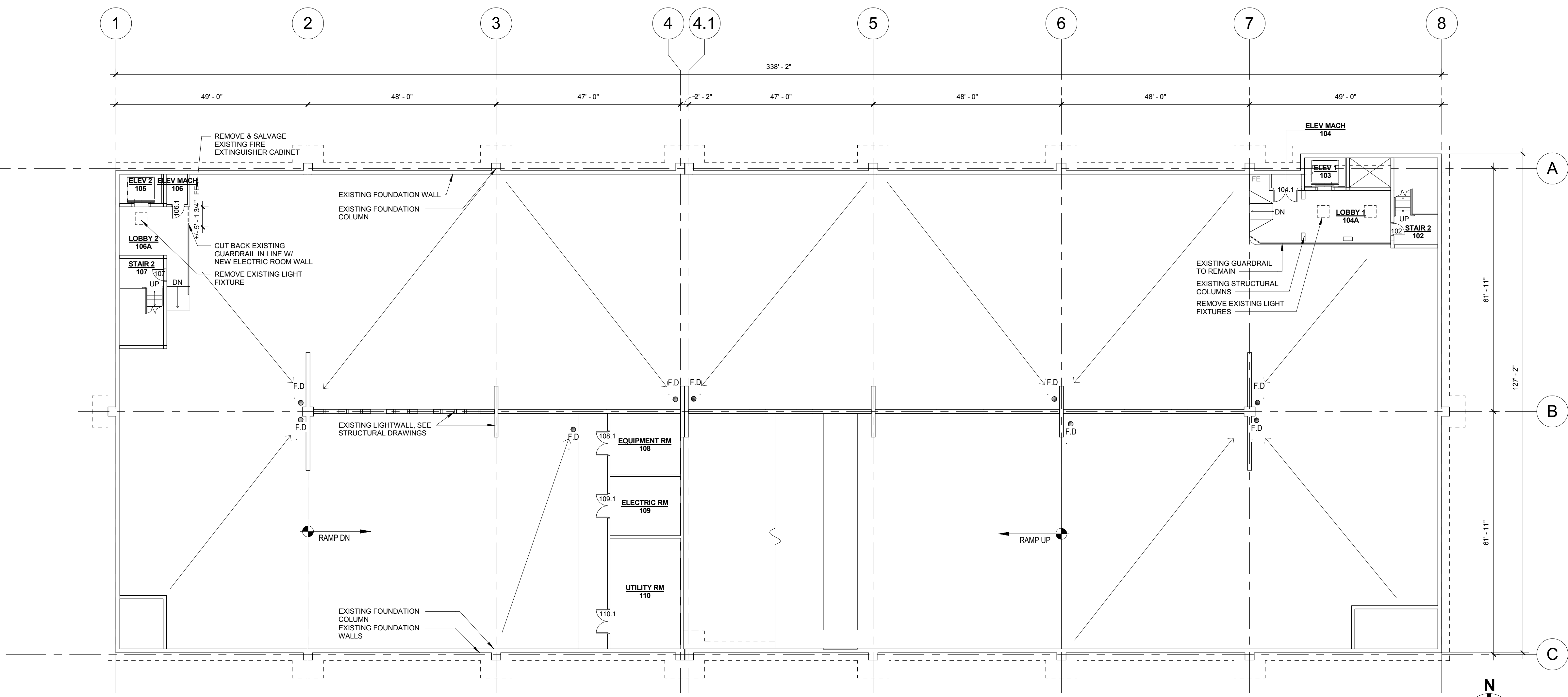
**02 SECOND TIER TRAVEL DISTANCE PLAN**  
3/64" = 1'-0"



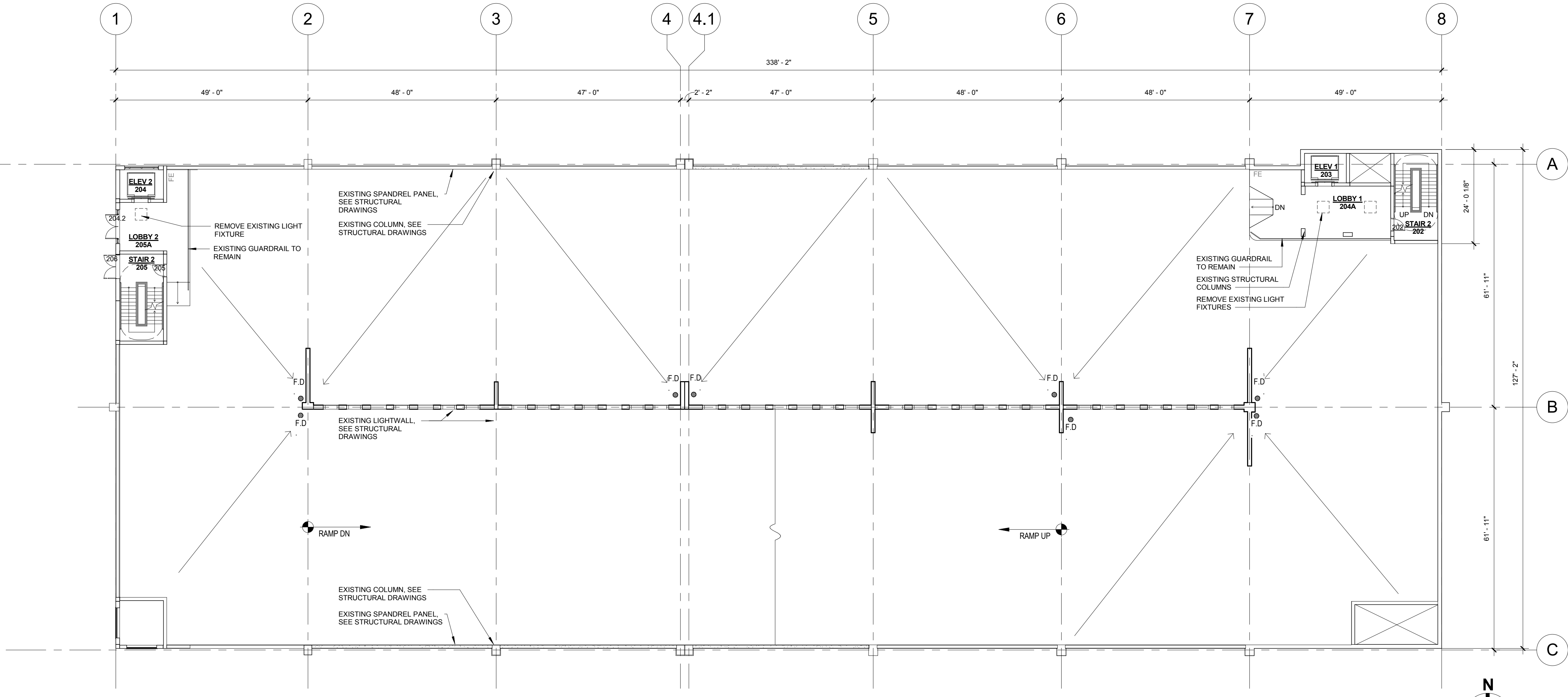
**04 FOURTH TIER TRAVEL DISTANCE PLAN**  
3/64" = 1'-0"

			<b>CONSULTANTS:</b>			<b>SEAL:</b>			<b>ARCHITECT/ENGINEERS:</b>			<b>Drawing Title</b> CODE ANALYSIS - TRAVEL DISTANCE			<b>Project Title</b> VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE I			<b>Project Number</b> 688-345			<b>Office of Construction and Facilities Management</b>								
			<b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210			<b>PARKING CONSULTANT</b> Tim Haahs & Associates, Inc. 550 Wyndhurst Avenue, Suite 100 Blue Bell, PA 19422			<b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 5500 Sterrett Place, Suite 300 Columbia, MD 21044			<div><div><div>Melville Thomas Architects, Inc.</div><div>ARCHITECTURE &amp; PLANNING</div><div></div><div>600 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4400 F: 410.433.4719 www.mtarx.com</div></div><div></div></div>			<b>Approved: Project Director</b> - - -			<b>Location</b> 50 IRVING ST. N.W. WASHINGTON, D.C.						<b>Building Number</b> 15			<b>Drawing Number</b> A0.2		
<b>STRUCTURAL ENGINEER</b> Tim Haahs & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422			<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763			<b>CIVIL ENGINEER</b> KCI Technologies, Inc. 936 Ridgebrook Road Sparks, MD 21152			<b>Date</b> 04/30/17						<b>Checked</b> NCA			<b>Drawn</b> MRC						<b>Dwg. 14 of 95</b>					
<b>Revisions:</b>			<b>Date</b>															<b>Department of Veterans Affairs</b>											
6 100% Submission 04/30/17			5 95% CD Submission 03/31/17																										
4 100% Submission 02/16/15			3 95% Submission 08/28/14																										
2 65% Submission 08/07/14			1 35% Submission 04/15/14																										

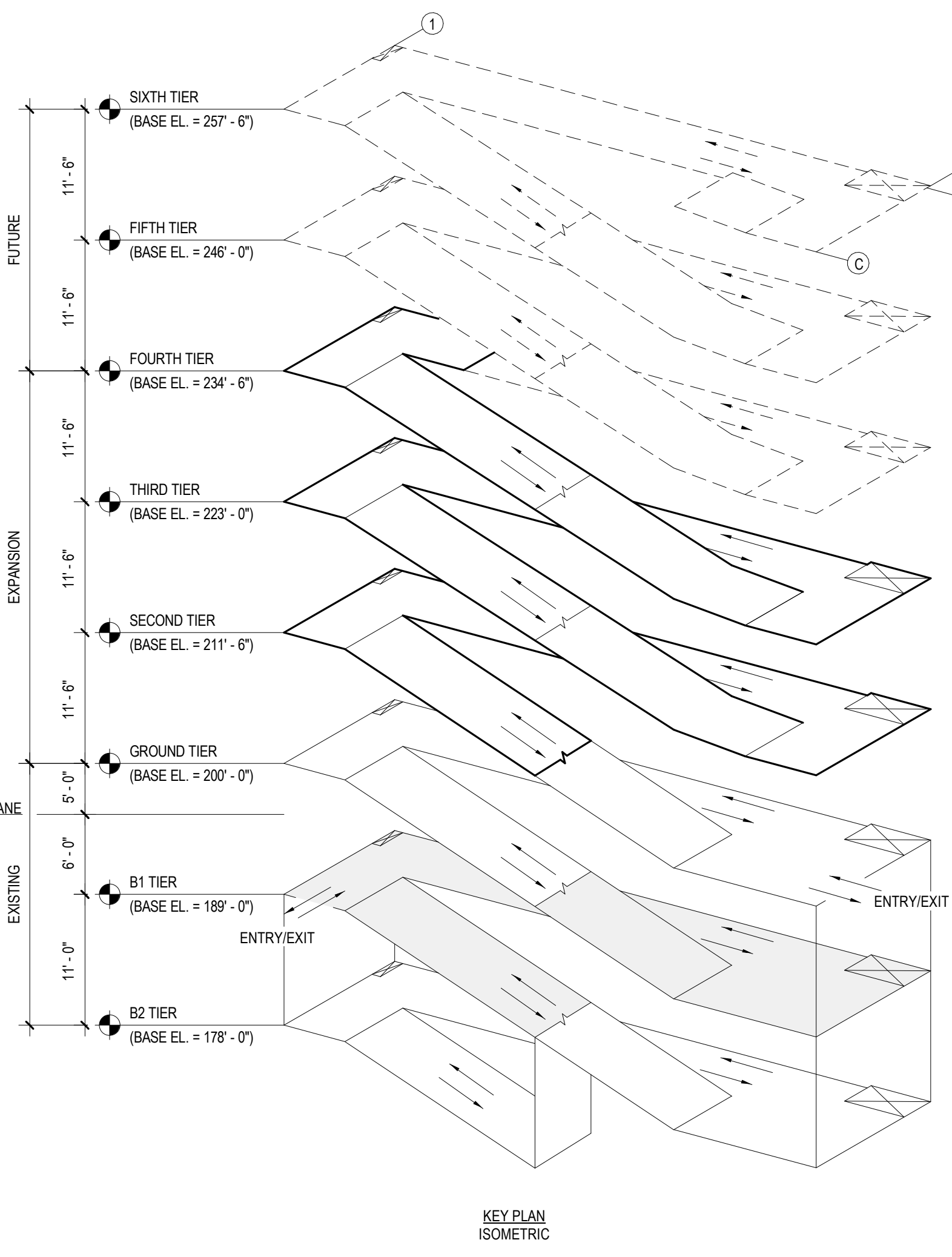
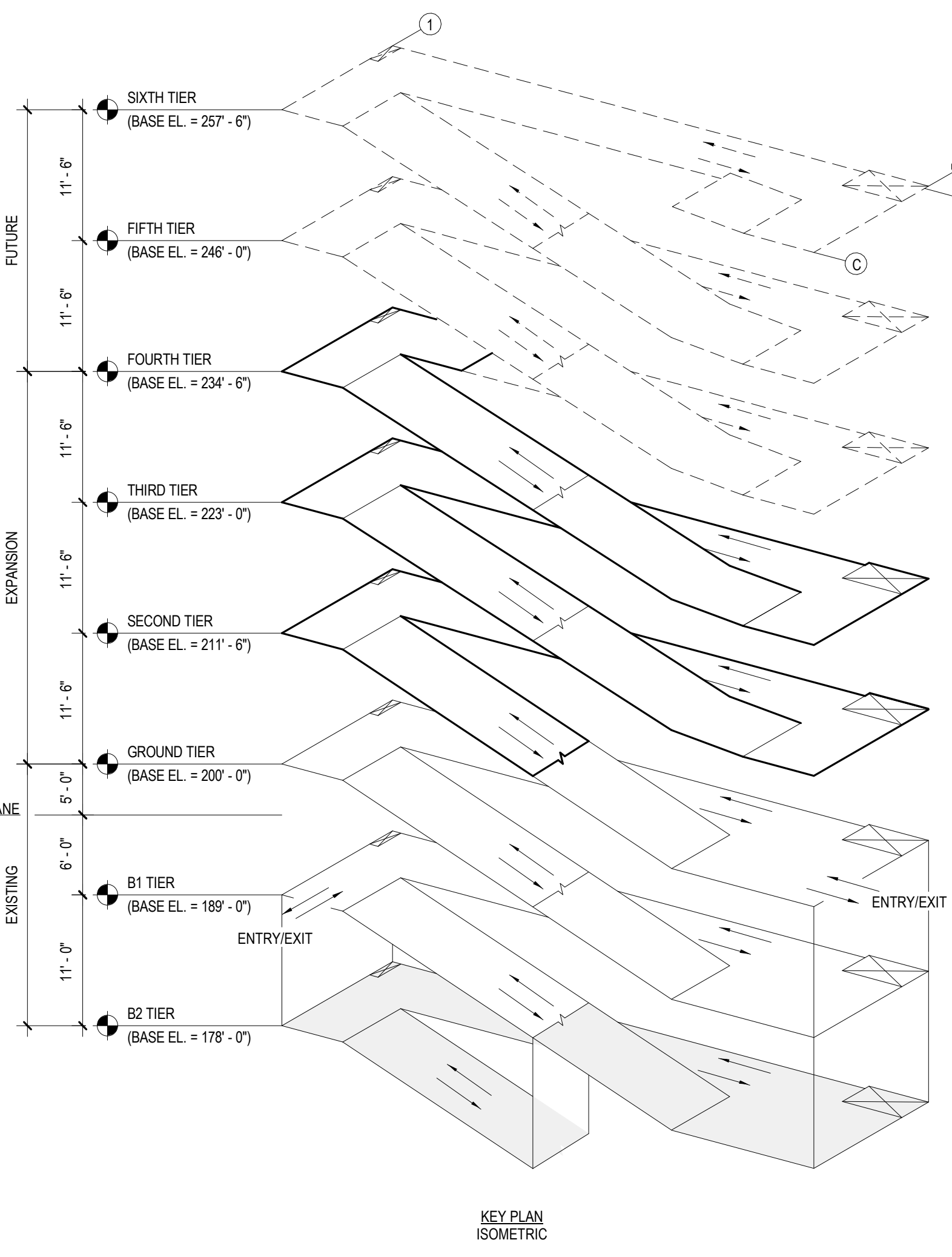
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one sixteenth inch = one foot



1 B2 TIER PLAN - EXISTING  
1/16" = 1'-0"



2 B1 TIER PLAN - EXISTING  
1/16" = 1'-0"

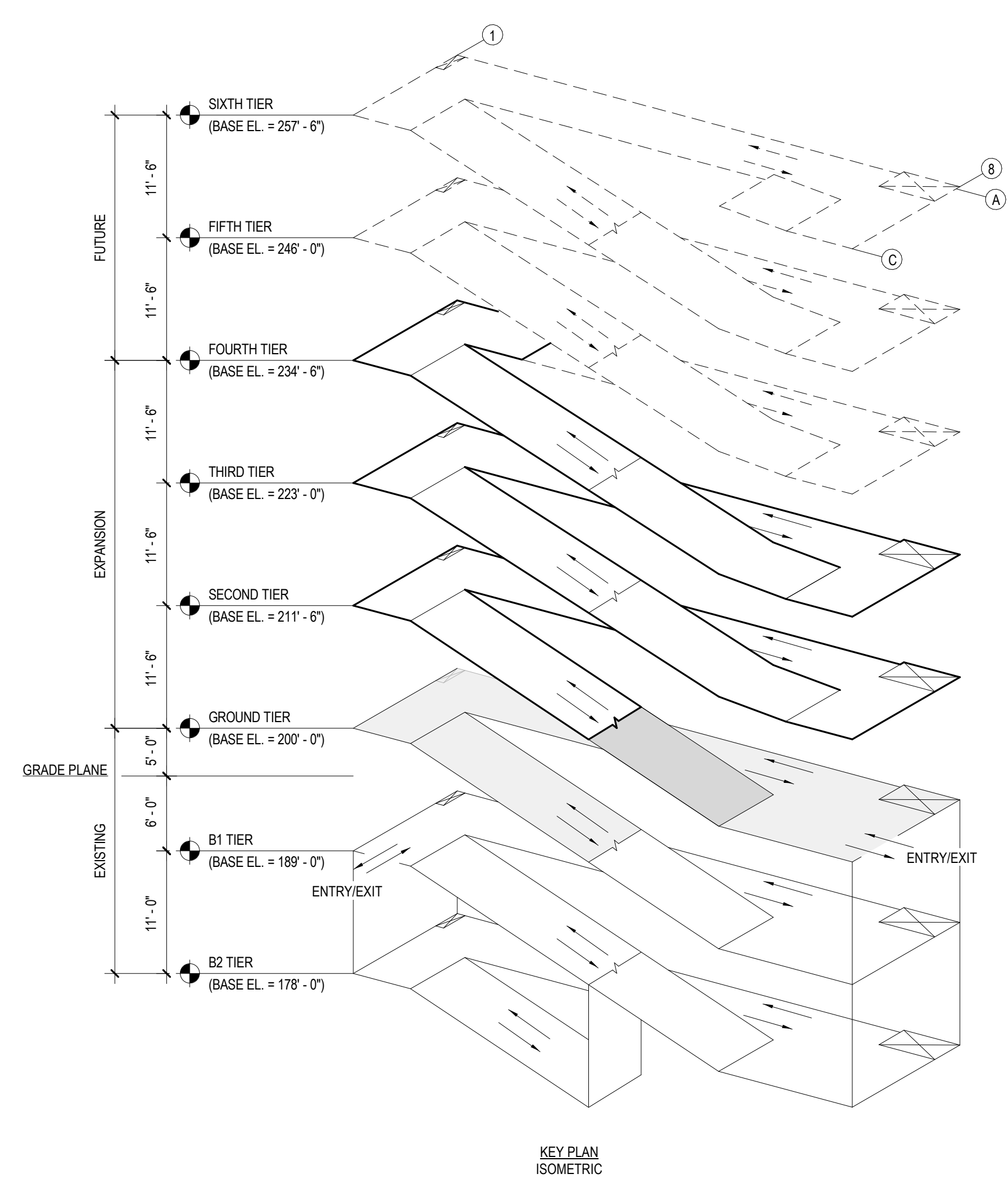
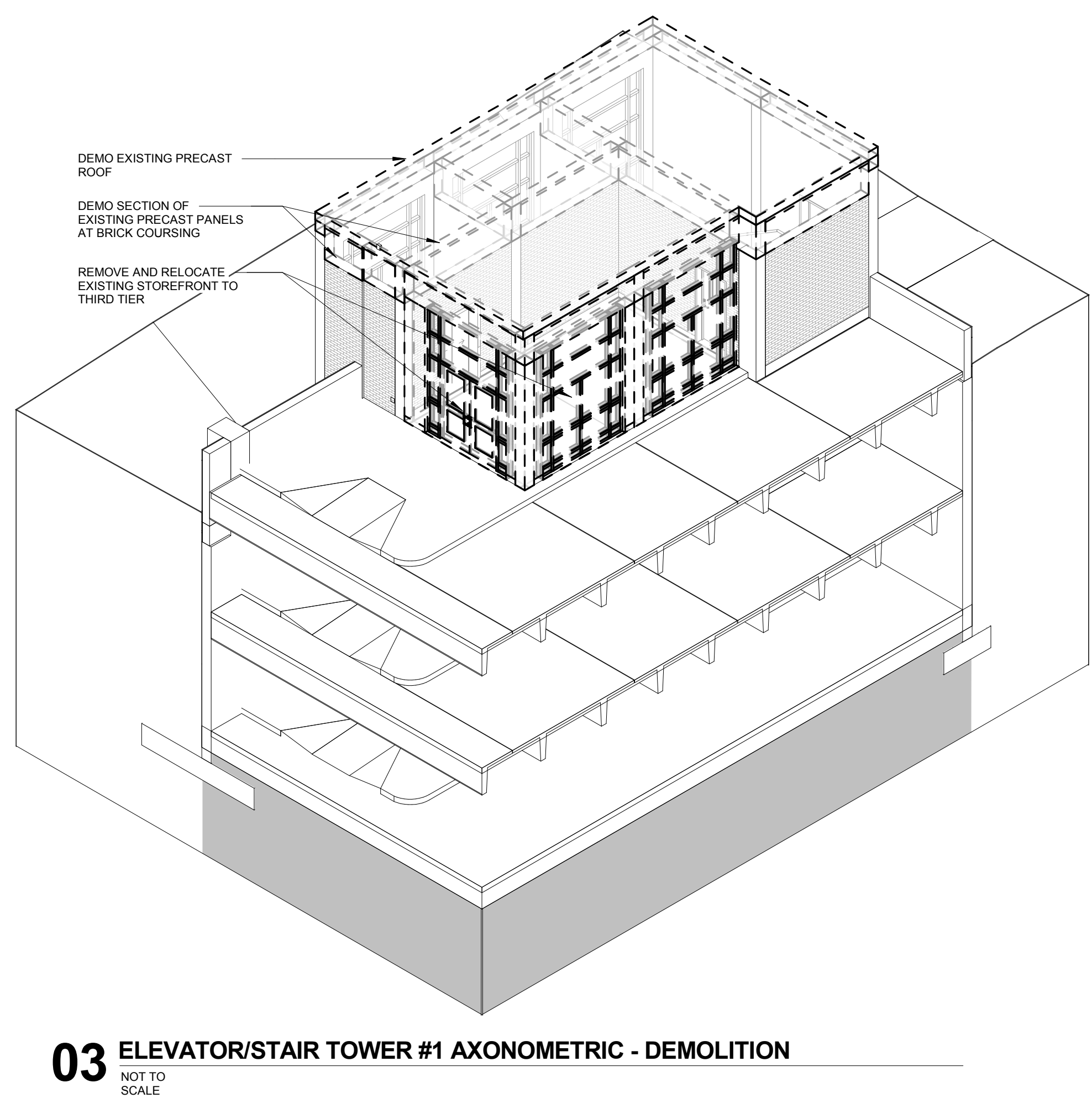
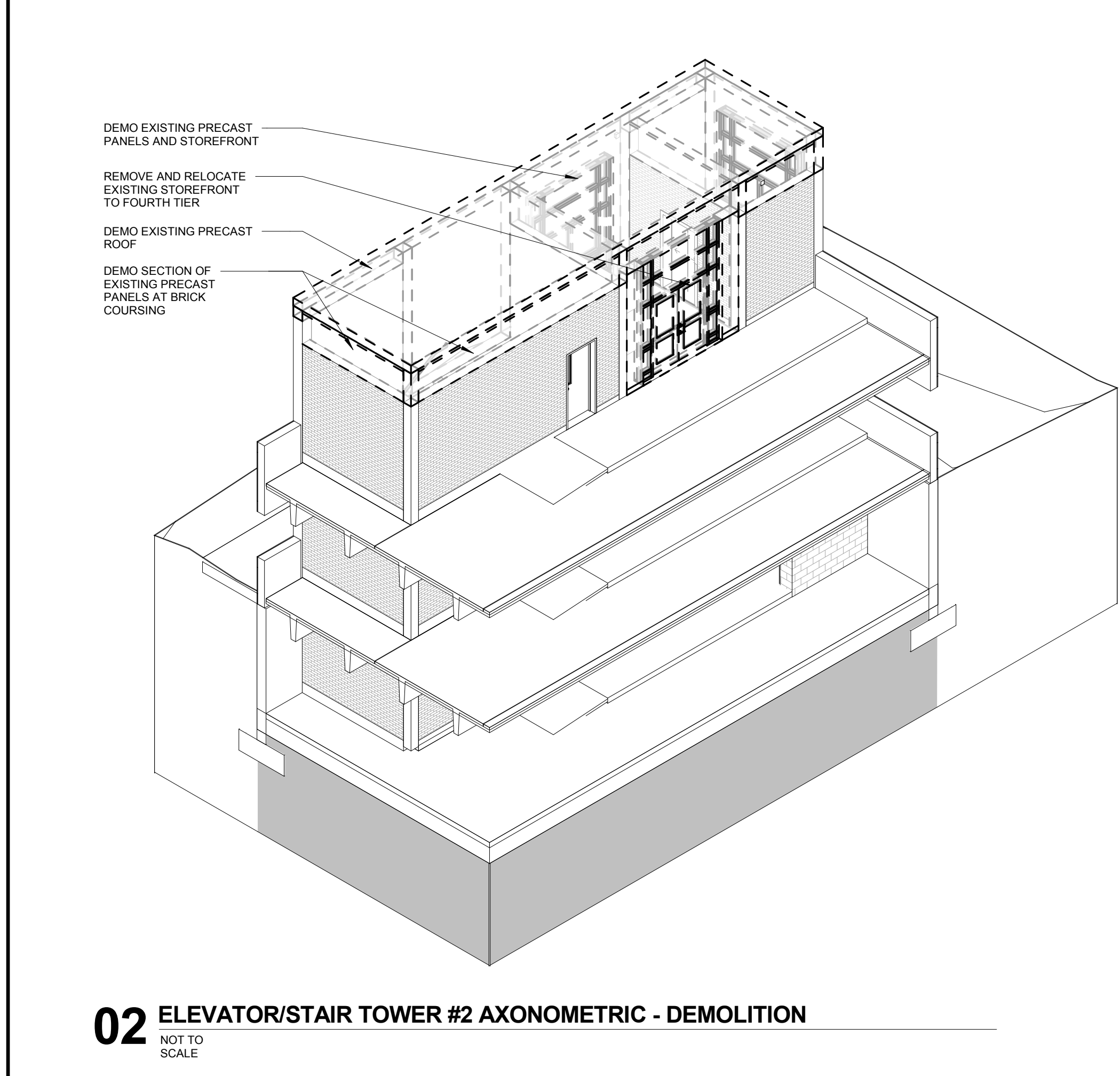
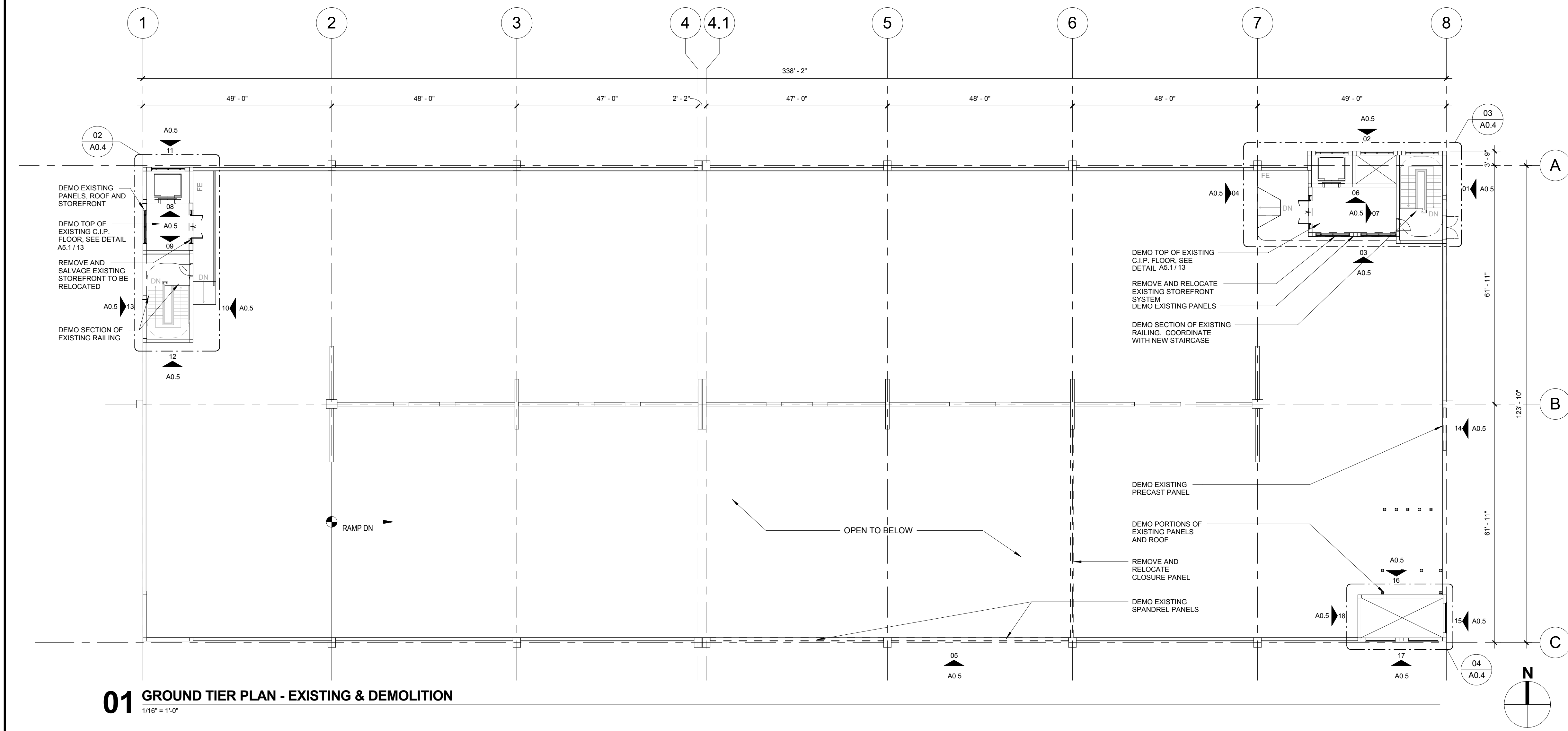


- DEDUCT ALTERNATES (ALT.)
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 06A2.1, 02A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01A2.4, 02A2.4, 08A2.2 and 02E1.4. Add barrier cables at openings as shown on Drawing(s) 06A2.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator lobby finishes as shown on the drawings.  
DEDUCT: Delete the sawcut joint and sandblasted concrete fields at the floors in the Lobby as shown in Drawing(s) A3.1 and A3.2. Provide trowel finish (similar to Lobby floor finishes in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2 and associated details on A5.2. Provide substitute light fixtures as shown on future schedule E0.0.
- DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS**  
BASE: All work shown on the drawings.  
DEDUCT: Delete all site improvements except:  
a. The erosion and sediment control measures as shown on Drawing(s) C06.0, C06.1 and C06.2.  
b. Temporary construction fence as shown on Drawing(s) CP1.0, CS3.0, CS3.1 and C06.0.  
c. Site fence and double swing gates as shown on Drawing (s) CS3.0, CS3.1, LPT.0 and associated details on LPT.1.  
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) CD1.1 and CS3.1.  
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.  
f. Bollard/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details on LPT.1.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings as shown on the drawings.  
DEDUCT: Delete all landscape work and site furnishings as shown on Drawing(s) 02LP7.0 and associated plantings/details/furnishings on LPT.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices as shown on the drawings and hardware schedule.  
DEDUCT: Delete all automatic door opening devices. Provide manual door closers as specified in Spec Section(s) 08710. Delete electrical feeds as shown on Drawing(s) 01E2.1, 01E2.4 and 02E2.4.
- DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers as shown on the drawings and hardware schedule.  
DEDUCT: Delete all card readers. Provide manual door locks/latches as specified in Spec Section(s) 08710. Delete electrical feeds as shown on Drawing(s) 02E2.2, 01E2.4 and 02E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as detailed on Drawing(s) 06A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternate #1.
- DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM**  
BASE: Bollard/cable system as shown on the drawings.  
DEDUCT: Delete all bollard/cable crash barriers as shown on Drawing(s) 01CS3.0, 04LP7.1 and 05LP7.1.
- DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing as shown on the drawings.  
DEDUCT: Delete all site fencing as shown on Drawing(s) 01CS3.0 and 08LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing as shown on the drawings.  
DEDUCT: Provide chain link barrier fencing as shown on Drawing(s) 52.1 and 06S3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appurtenances (cable, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02E3.5.
- DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.3, E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - VIEWING BOOTH**  
BASE: Viewing booth as shown on the drawings.  
DEDUCT: Delete viewing booth and appurtenances as shown on Drawing(s) A4.3, 02E1.4, 02E2.2 and 01E2.3.
- DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new parking tiers as shown on the drawings.  
DEDUCT: Delete the structural precast tees to column line 6 and move the new closure spandrel panel to column line 6 (All other columns and spandrels remain). Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the storefront to the Third Tier Lobby and provide precast wall panels at the Fourth Tier lobby as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02A1.2, 02A1.6, 02A2.2, 06A2.3, 08A2.3, 04A3.2, 04A3.3, 01S1.5, 04S1.6, S1.9, 02M1.3, 02P1.3, 03FP1.3, 02E1.6, 02E2.4 and 02E3.4.

PLAN LEGEND	
	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE DEMOLISHED
	NEW INTERIOR WALL
	FLOOR SLOPE, SEE STRUCTURAL
	PIPE BOLLARD, SEE DETAIL 02A1.3
	PIC BOLLARD, SEE DETAIL 03A1.3
	FLOOR DRAIN, SEE STRUCTURAL
FE	FIRE EXTINGUISHER
FE	EXISTING FIRE EXTINGUISHER

<b>CONSULTANTS:</b>		<b>SEAL:</b>	<b>ARCHITECT/ENGINEERS:</b>	<b>Drawing Title</b> B2 & B1 TIER PLANS - EXISTING & DEMOLITION	<b>Project Title</b> VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1	<b>Project Number</b> 688-345	<b>Office of Construction and Facilities Management</b>																																
<table><tr><td>6</td><td>100% Submission</td><td>04/30/17</td></tr><tr><td>5</td><td>95% Submission</td><td>03/31/17</td></tr><tr><td>4</td><td>100% Submission</td><td>02/16/15</td></tr><tr><td>3</td><td>95% Submission</td><td>08/28/14</td></tr><tr><td>2</td><td>65% Submission</td><td>08/07/14</td></tr><tr><td>1</td><td>35% Submission</td><td>04/15/14</td></tr><tr><td>Revisions:</td><td></td><td>Date</td></tr></table>	6	100% Submission	04/30/17	5	95% Submission	03/31/17		4	100% Submission	02/16/15	3	95% Submission	08/28/14	2	65% Submission	08/07/14	1	35% Submission	04/15/14	Revisions:		Date	<table><tr><td><b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210</td><td><b>PARKING CONSULTANT</b> Tim Haas &amp; Associates, Inc. 550 Township Line Road, Suite 100 Columbia, MD 21044</td><td><b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 3000 Seltzer Road, Suite 300 Columbia, MD 21044</td></tr><tr><td><b>STRUCTURAL ENGINEER</b> Tim Haas &amp; Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422</td><td><b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3240 Route 112, Suite 1B Medford, NY 11763</td><td><b>CIVIL ENGINEER</b> KCI Technologies, Inc. 5950 Rte. 112, Suite 100 Sparks, MD 21152</td></tr></table>	<b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210	<b>PARKING CONSULTANT</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Columbia, MD 21044	<b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 3000 Seltzer Road, Suite 300 Columbia, MD 21044	<b>STRUCTURAL ENGINEER</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3240 Route 112, Suite 1B Medford, NY 11763	<b>CIVIL ENGINEER</b> KCI Technologies, Inc. 5950 Rte. 112, Suite 100 Sparks, MD 21152	<b>Melville Thomas Architects, Inc.</b> ARCHITECTURE & PLANNING  400 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4400 F: 410.433.4719 www.mtarx.com	<b>Approved: Project Director</b> - - - <b>Location</b> 50 IRVING ST. N.W. WASHINGTON, D.C. <table><tr><td><b>Date</b> 04/30/17</td><td><b>Checked</b> Checker</td><td><b>Drawn</b> Author</td></tr></table>	<b>Date</b> 04/30/17	<b>Checked</b> Checker	<b>Drawn</b> Author	<table><tr><td><b>Building Number</b> 15</td><td><b>Drawing Number</b> A0.3</td></tr><tr><td colspan="2">Dwg. 15 of 95</td></tr></table>	<b>Building Number</b> 15	<b>Drawing Number</b> A0.3	Dwg. 15 of 95	
6	100% Submission	04/30/17																																					
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<b>Building Number</b> 15	<b>Drawing Number</b> A0.3																																						
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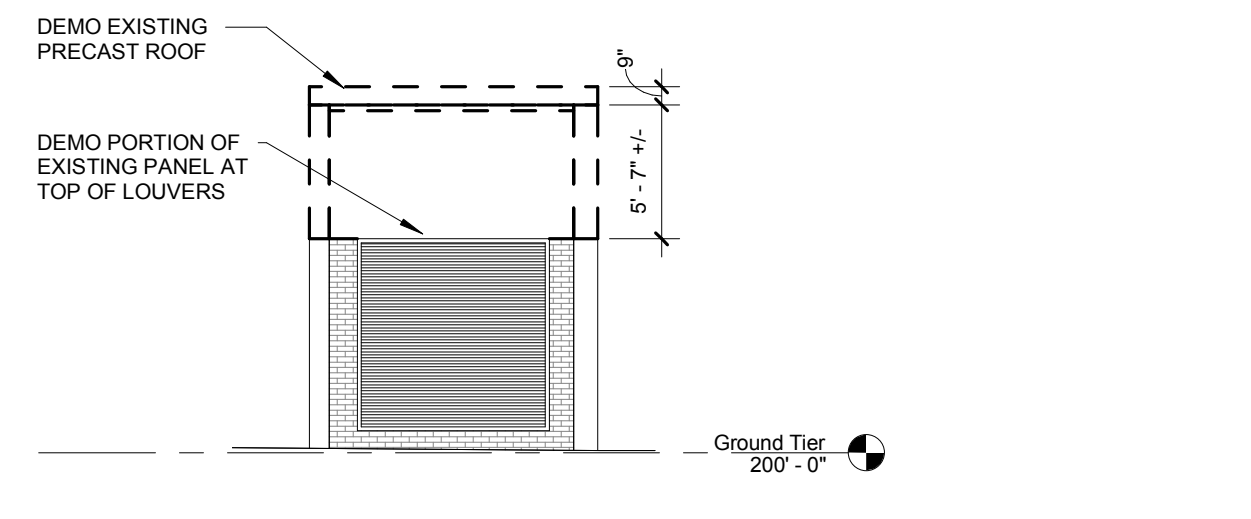




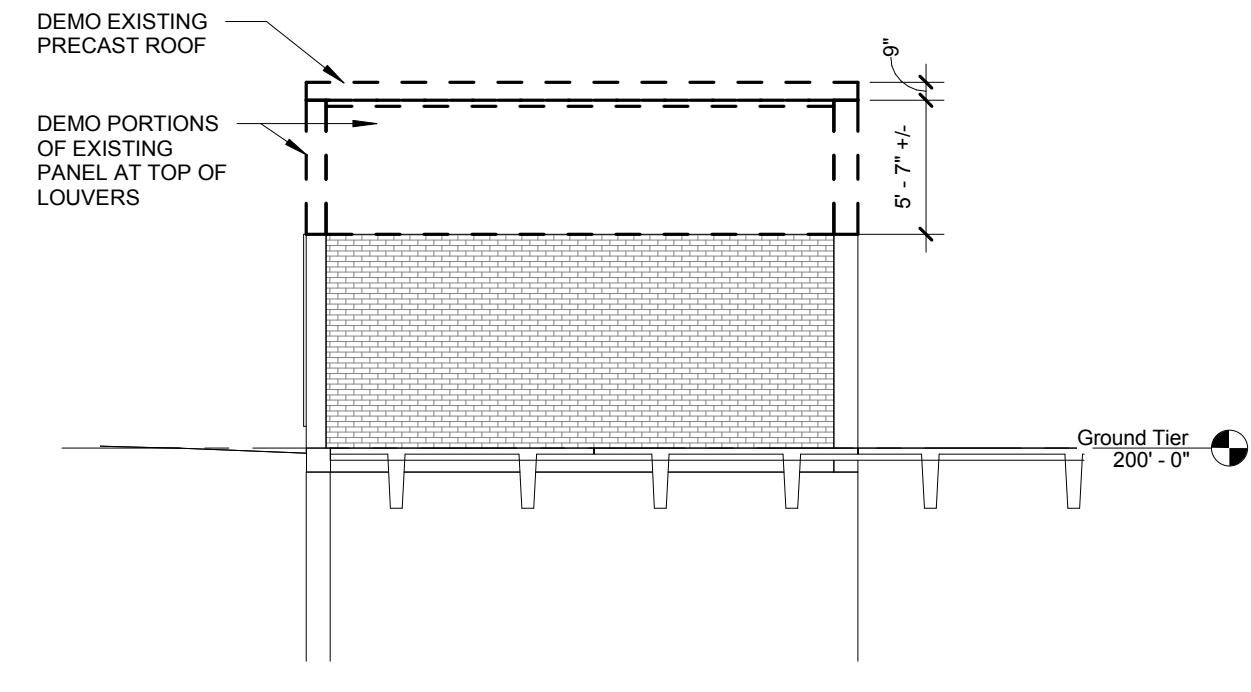
- DEDUCT ALTERNATES (ALT.)**
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05/A2.1, 02/A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01/A2.4, 02/A2.4, 08/A2.2 and 02/E1.4. Add barrier cables at openings as shown on Drawing(s) 06/A2.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator lobby finishes as shown on the drawings.  
DEDUCT: Delete the sawcut joint and sandblasted concrete fields at the floors in the Lobby as shown in Drawing(s) A3.1 and A3.2. Provide trowel finish (similar to Lobby floor finishes in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2 and associated details on A5.2. Provide substitute light fixtures as shown on future schedule E0.0.
- DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS**  
BASE: All work shown on the drawings.  
DEDUCT: Delete all site improvements except:  
a. The erosion and sediment control measures as shown on Drawing(s) C06.0, C06.1 and C06.2.  
b. Temporary construction fence as shown on Drawing(s) CP1.0, CS3.0, CS3.1 and C06.0.  
c. Site fence and double swing gates as shown on Drawing (s) CS3.0, CS3.1, LPT.0 and associated details on LPT.1.  
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) CD1.1 and CS3.1.  
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.  
f. Bollard/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details on LPT.1.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings as shown on the drawings.  
DEDUCT: Delete all landscape work and site furnishings as shown on Drawing(s) 02/LPT.0 and associated plantings/details/furnishings on LPT.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices as shown on the drawings and hardware schedule.  
DEDUCT: Delete all automatic door opening devices. Provide manual door closers as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 01/E2.1, 01/E2.4 and 02/E2.4.
- DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers as shown on the drawings and hardware schedule.  
DEDUCT: Delete all card readers. Provide manual door lock/cylinders as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 02/E2.2, 01/E2.4 and 02/E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as detailed on Drawing(s) 06/A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternate #1.
- DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM**  
BASE: Bollard/cable system as shown on the drawings.  
DEDUCT: Delete all bollard/cable crash barriers as shown on Drawing(s) 01/CS3.0, 04/LPT.1 and 05/LPT.1.
- DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing as shown on the drawings.  
DEDUCT: Delete all site fencing as shown on Drawing(s) 01/CS3.0 and 06/LPT.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing as shown on the drawings.  
DEDUCT: Provide chain link barrier fencing as shown on Drawing(s) 02.1 and 06/CS3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appurtenances (cable, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02/E3.5.
- DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.3, E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - VIEWING BOOTH**  
BASE: Viewing booth as shown on the drawings.  
DEDUCT: Delete viewing booth and appurtenances as shown on Drawing(s) A4.3, 02/E1.4, 02/E2.2 and 01/E2.3.
- DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2/12 new parking tiers as shown on the drawings.  
DEDUCT: Delete the structural precast tees to column line 6 and move the new closure spandrel panel to column line 6 (All other columns and spandrels remain). Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the storefront to the Third Tier Lobby and provide precast wall panels at the Fourth Tier exactly as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02/A1.2, 02/A1.6, 02/A2.2, 06/A2.3, 08/A2.3, 04/A2.2, 04/A2.3, 01/S1.5, 04/S1.8, S1.9, 02/M1.3, 02/P1.3, 03/FP1.3, 02/E1.6, 02/E2.4 and 02/E3.4.
- PLAN LEGEND**
- EXISTING WALL TO REMAIN
  - EXISTING WALL TO BE DEMOLISHED
  - NEW INTERIOR WALL
  - FLOOR SLOPE: SEE STRUCTURAL
  - PIPE BOLLARD, SEE DETAIL 02/A1.3
  - PIC BOLLARD, SEE DETAIL 03/A1.3
  - FLOOR DRAIN, SEE STRUCTURAL
  - FIRE EXTINGUISHER
  - EXISTING FIRE EXTINGUISHER

			<b>CONSULTANTS:</b>			<b>SEAL:</b>			<b>ARCHITECT/ENGINEERS:</b>			<b>Drawing Title</b> GROUND TIER PLAN - EXISTING & DEMOLITION			<b>Project Title</b> VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1			<b>Project Number</b> 688-345		<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>							
			<b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210			<b>PARKING CONSULTANT</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422			<b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 5500 Sterrett Place, Suite 300 Columbia, MD 21044			<div>Melville Thomas Architects, Inc.</div> <div>ARCHITECTURE &amp; PLANNING</div> <div></div> <div>600 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4400 F: 410.433.4719 www.mtarx.com</div>			<b>Approved: Project Director</b> - - -			<b>Location</b> 50 IRVING ST. N.W. WASHINGTON, D.C.					<b>Drawing Number</b> A0.4		<b>Building Number</b> 15		
<b>STRUCTURAL ENGINEER</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422			<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763			<b>CIVIL ENGINEER</b> KCI Technologies, Inc. 936 Ridgebrook Road Sparks, MD 21152			<b>Date</b> 04/30/17		<b>Checked</b> GT				<b>Drawn</b> MC												
<b>Revisions:</b>			<b>Date</b>												<b>Dwg. 16 of 95</b>												

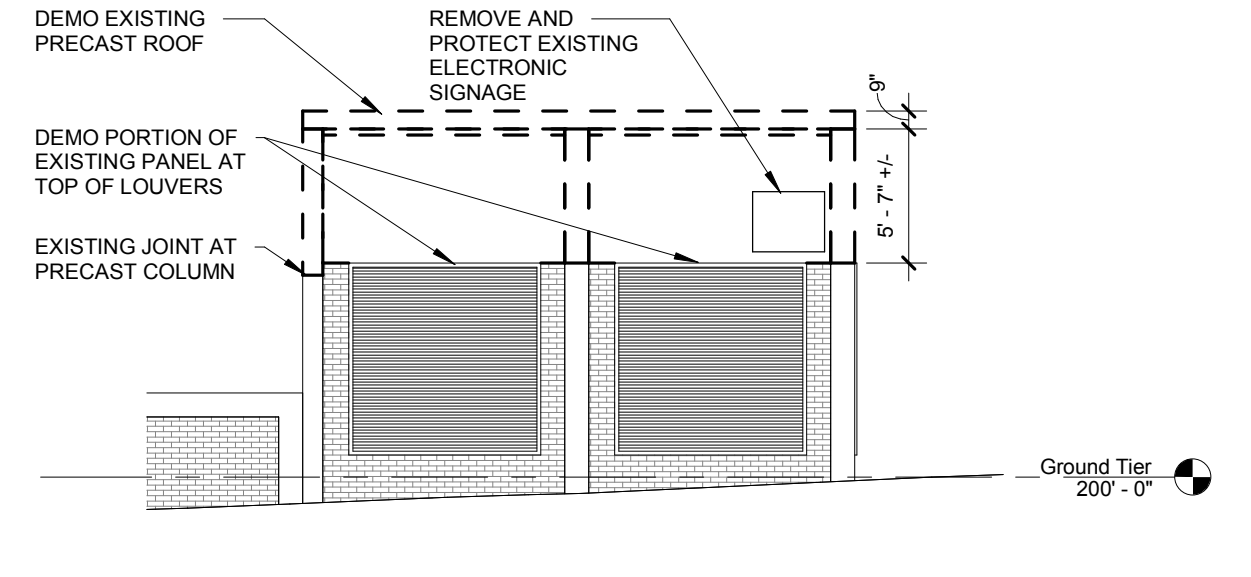




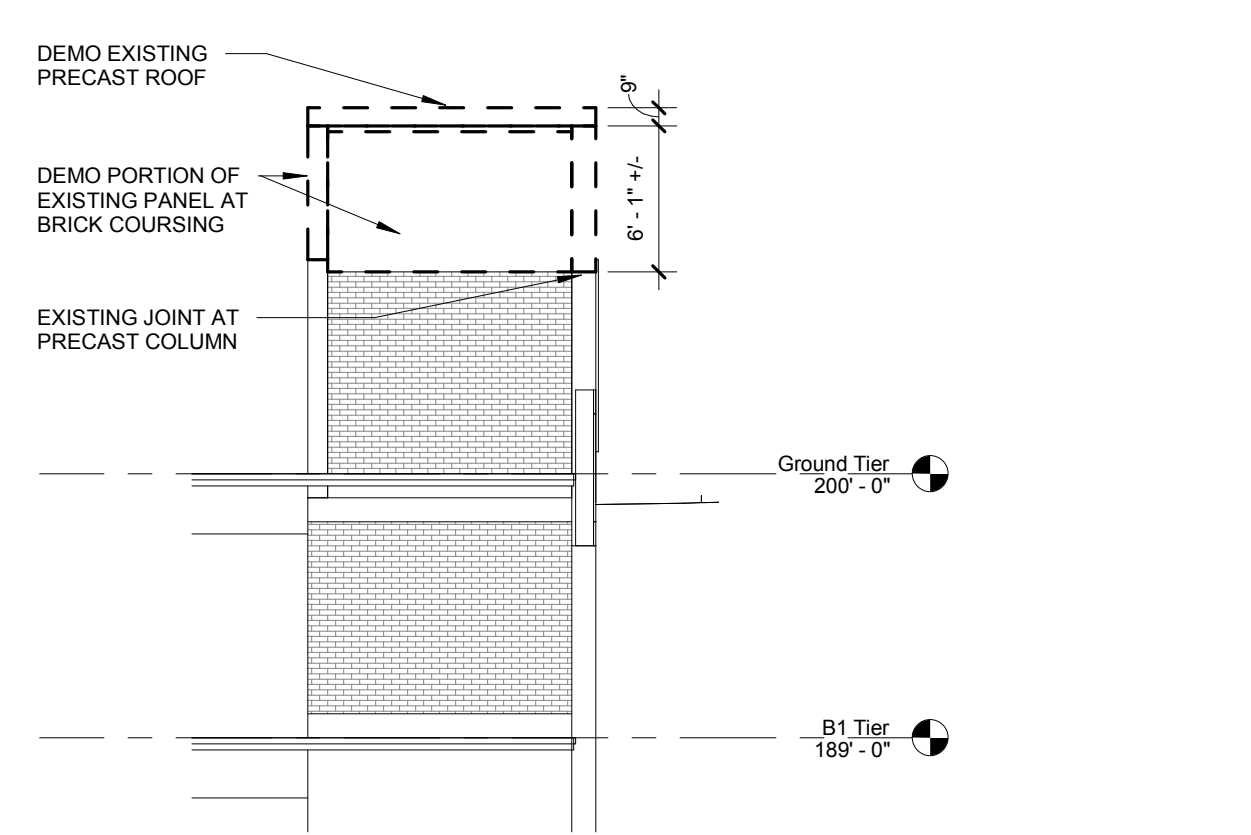
## 15 VENTILATION TOWER EAST ELEVATION



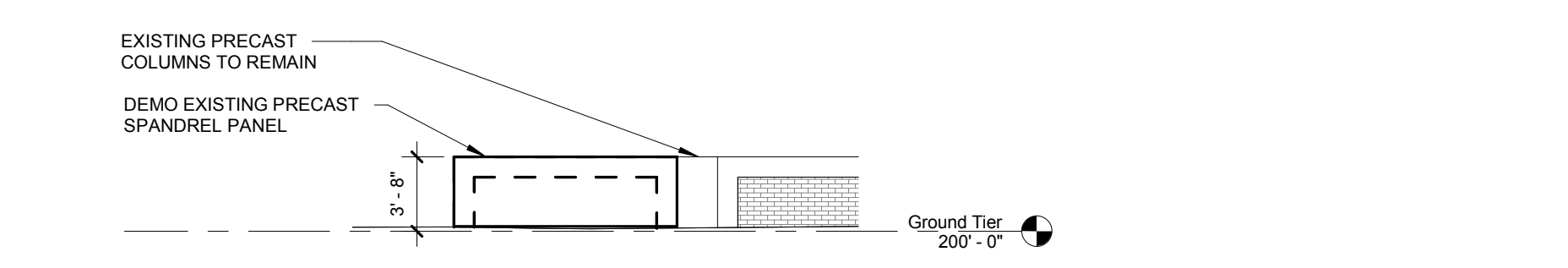
## 16 VENTILATION TOWER NORTH ELEVATION



## 17 VENTILATION TOWER SOUTH ELEVATION

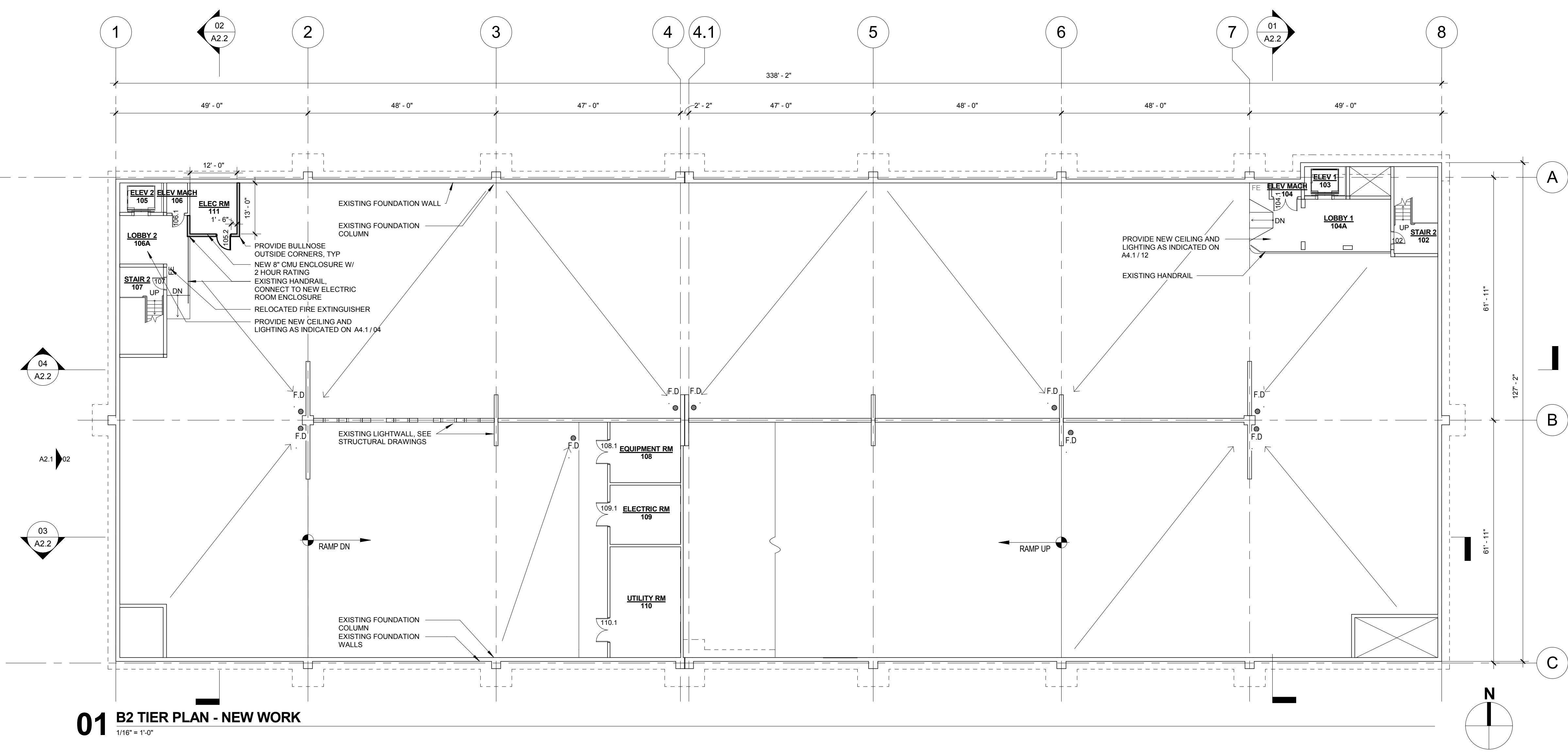


## 18 VENTILATION TOWER WEST ELEVATION

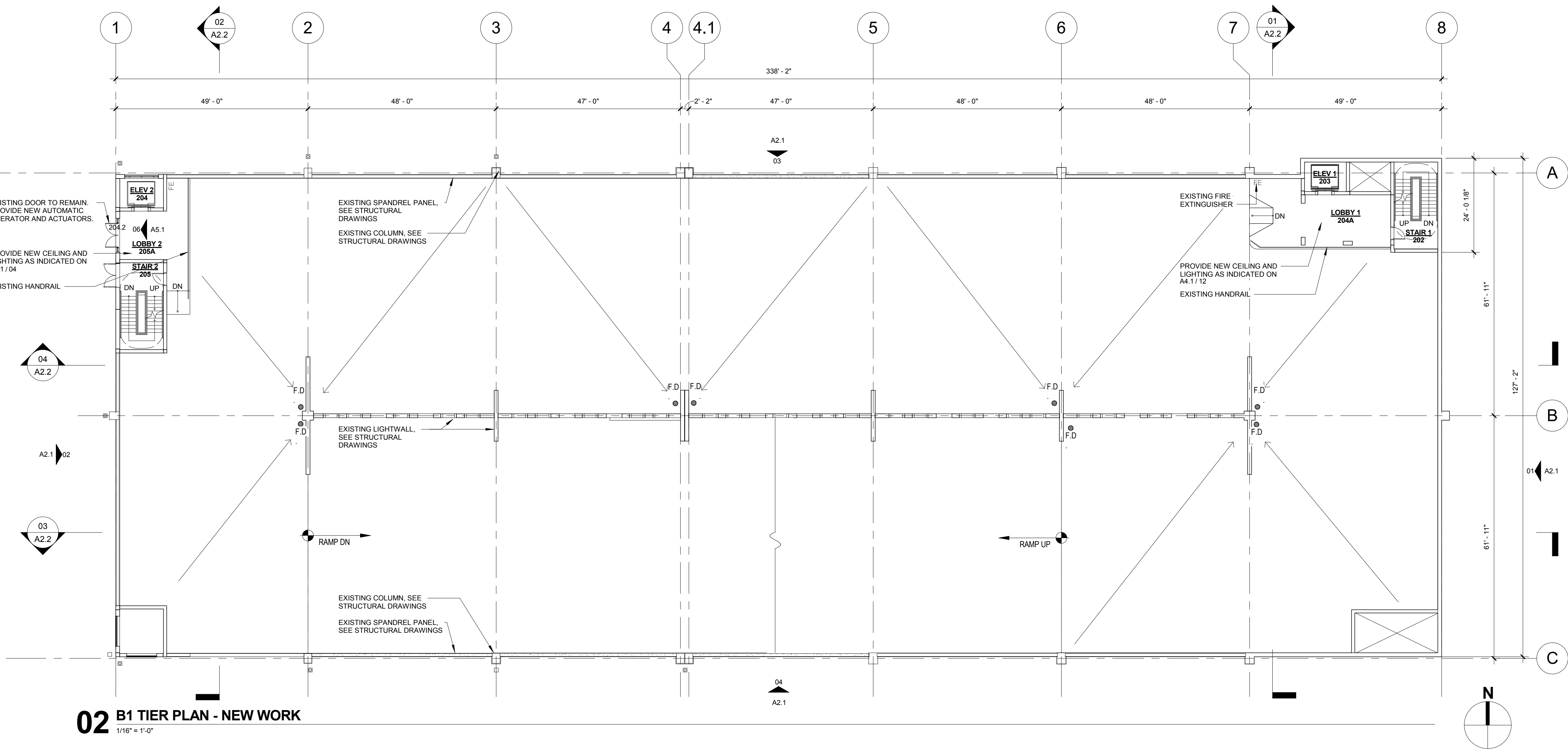


## 14 SPANDREL PANEL EAST ELEVATION

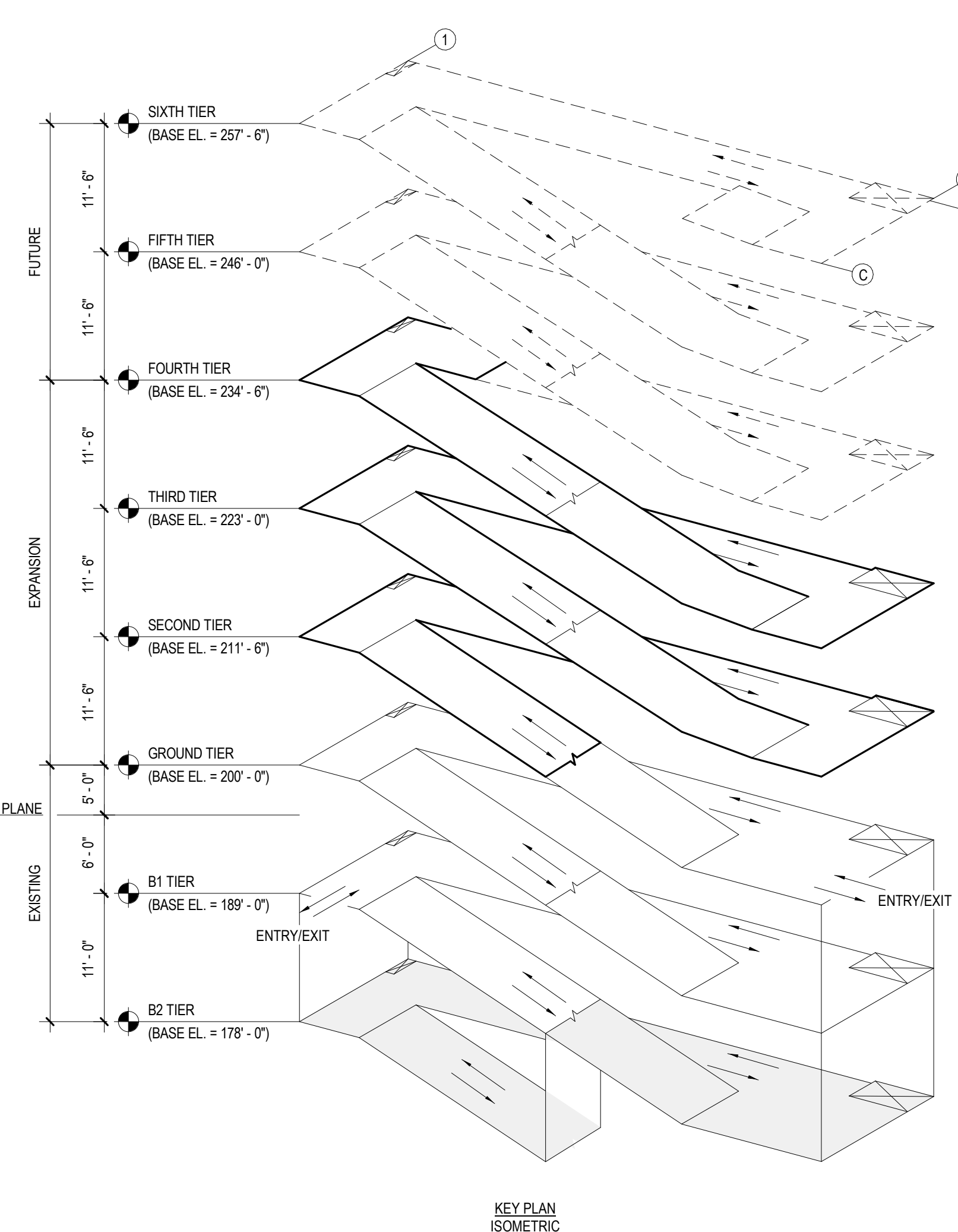
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



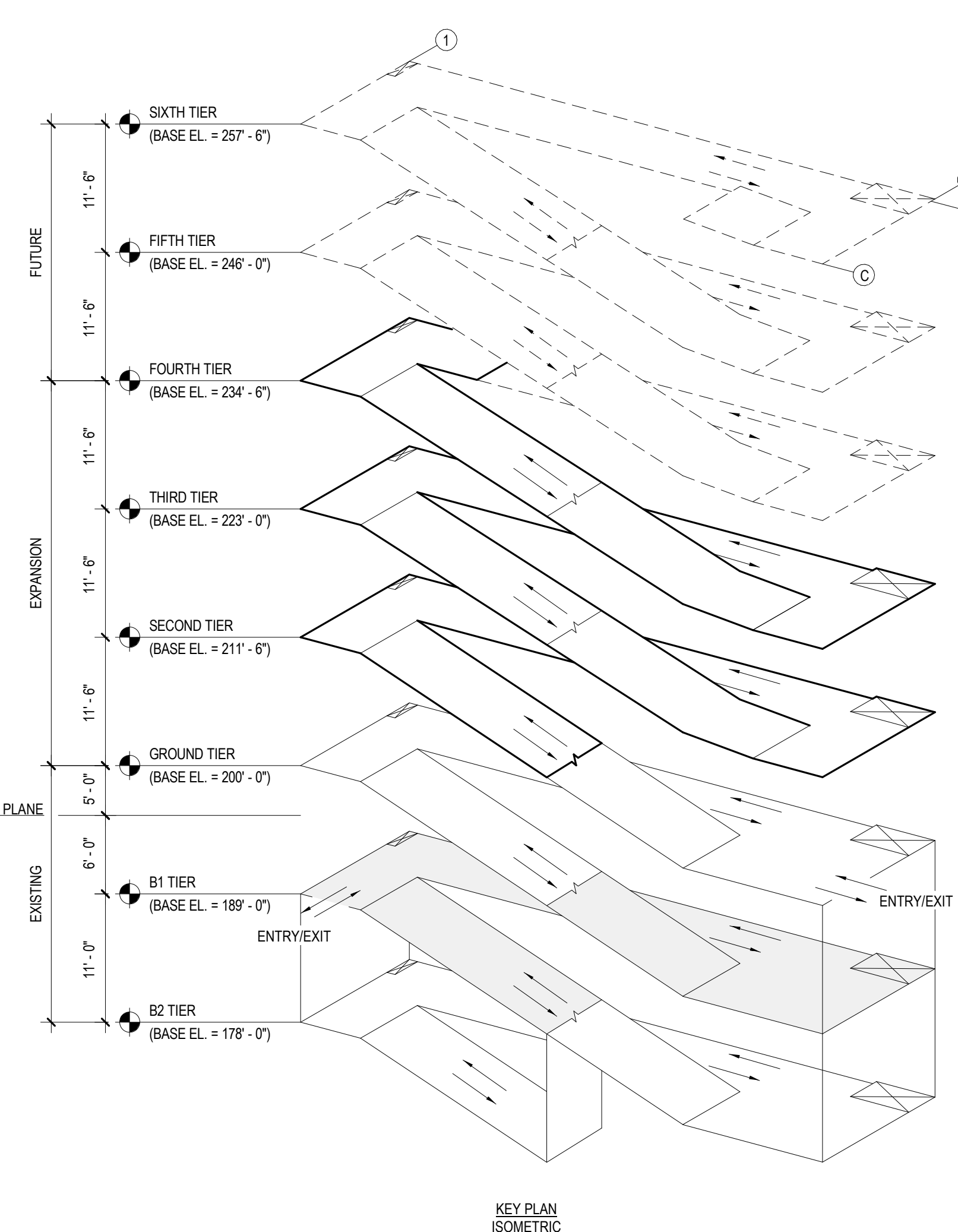
01 B2 TIER PLAN - NEW WORK  
1/16" = 1'-0"



02 B1 TIER PLAN - NEW WORK  
1/16" = 1'-0"



KEY PLAN  
ISOMETRIC



KEY PLAN  
ISOMETRIC

- DEDUCT ALTERNATES (ALT.)**
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete the perforated metal screen and supporting structure as shown on Drawing(s) 05/A2.1, 02/A2.4 and associated details on A2.4 and A5.2. Delete accent lighting as shown on Drawing(s) 01/A2.4, 02/A2.4, 09/A2.2 and 02/E.4. Add barrier cables at openings as shown on Drawing(s) 06/A2.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator lobby finishes as shown on the drawings.  
DEDUCT: Delete the sawcut joint and sandblasted concrete fields at the floors in the Lobby as shown in Drawing(s) A3.1 and A3.2. Provide trowel finish (similar to Lobby floor finishes in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2 and associated details on A5.2. Provide substitute light fixtures as shown on future schedule E3.0.
- DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS**  
BASE: All work shown on the drawings.  
DEDUCT: Delete all site improvements except:  
a. The erosion and sediment control measures as shown on Drawing(s) C06.0, C06.1 and C06.2.  
b. Temporary construction fence as shown on Drawing(s) C01.0, CS3.0, CS3.1 and C06.0.  
c. Site fence and double swing gates as shown on Drawing (s) CS3.0, CS3.1, LP7.0 and associated details on LP7.1.  
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) C01.1 and CS3.1.  
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.  
f. Bollard/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details on LP7.1.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings as shown on the drawings.  
DEDUCT: Delete all landscape work and site furnishings as shown on Drawing(s) 02/LP7.0 and associated plantings/details/furnishings on LP7.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices as shown on the drawings and hardware schedule.  
DEDUCT: Delete all automatic door opening devices. Provide manual door closers as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 01/E2.1, 01/E2.4 and 02/E2.4.
- DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers as shown on the drawings and hardware schedule.  
DEDUCT: Delete all card readers. Provide manual door lookalikes as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 02/E2.2, 01/E2.4 and 02/E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as detailed on Drawing(s) 06/A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternate #1.
- DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM**  
BASE: Bollard/cable system as shown on the drawings.  
DEDUCT: Delete all bollard/cable crash barriers as shown on Drawing(s) 01/CS3.0, 04/LP7.1 and 05/LP7.1.
- DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing as shown on the drawings.  
DEDUCT: Delete all site fencing as shown on Drawing(s) 01/CS3.0 and 08/LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing as shown on the drawings.  
DEDUCT: Provide chain link barrier fencing as shown on Drawing(s) 02.1 and 06/CS3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appearances (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02/E3.5.
- DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.3, E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - VIEWING BOOTH**  
BASE: Viewing booth as shown on the drawings.  
DEDUCT: Delete viewing booth and appearances as shown on Drawing(s) A4.3, 02/E1.4, 03/E2.2 and 01/E2.3.
- DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new parking tiers as shown on the drawings.  
DEDUCT: Delete the structural precast tees to column line 6 and move the new closure spandrel panel to column line 6 (All other columns and spandrels remain). Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the storefront to the Third Tier Lobby and provide precast wall panels at the Fourth Tier exactly as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02/A1.2, 02/A1.6, 02/A2.2, 06/A2.3, 08/A2.3, 04/A2.2, 04/A2.3, 01/E3.1, 04/E3.6, S1.1, 02/M1.3, 02/P1.3, 03/FP1.3, 02/E1.6, 02/E2.4 and 02/E3.4.
- PLAN LEGEND**
- EXISTING WALL TO REMAIN
  - EXISTING WALL TO BE DEMOLISHED
  - NEW INTERIOR WALL
  - FLOOR SLOPE, SEE STRUCTURAL
  - PIPE BOLLARD, SEE DETAIL 02/A1.3
  - PIC BOLLARD, SEE DETAIL 03/A1.3
  - FLOOR DRAIN, SEE STRUCTURAL
  - FIRE EXTINGUISHER
  - EXISTING FIRE EXTINGUISHER

Revisions:		Date
6	100% Submission	04/28/17
5	95% Submission	03/31/17
4	100% Submission	02/16/15
3	95% Submission	08/28/14
2	65% Submission	08/07/14
1	35% Submission	04/15/14


CONSULTANTS:		
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<b>STRUCTURAL ENGINEER</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3240 Route 112, Suite 1B Medford, NY 11763	<b>CIVIL ENGINEER</b> KCI Technologies, Inc. 598 Ridgebrook Road Sparks, MD 21152

SEAL:

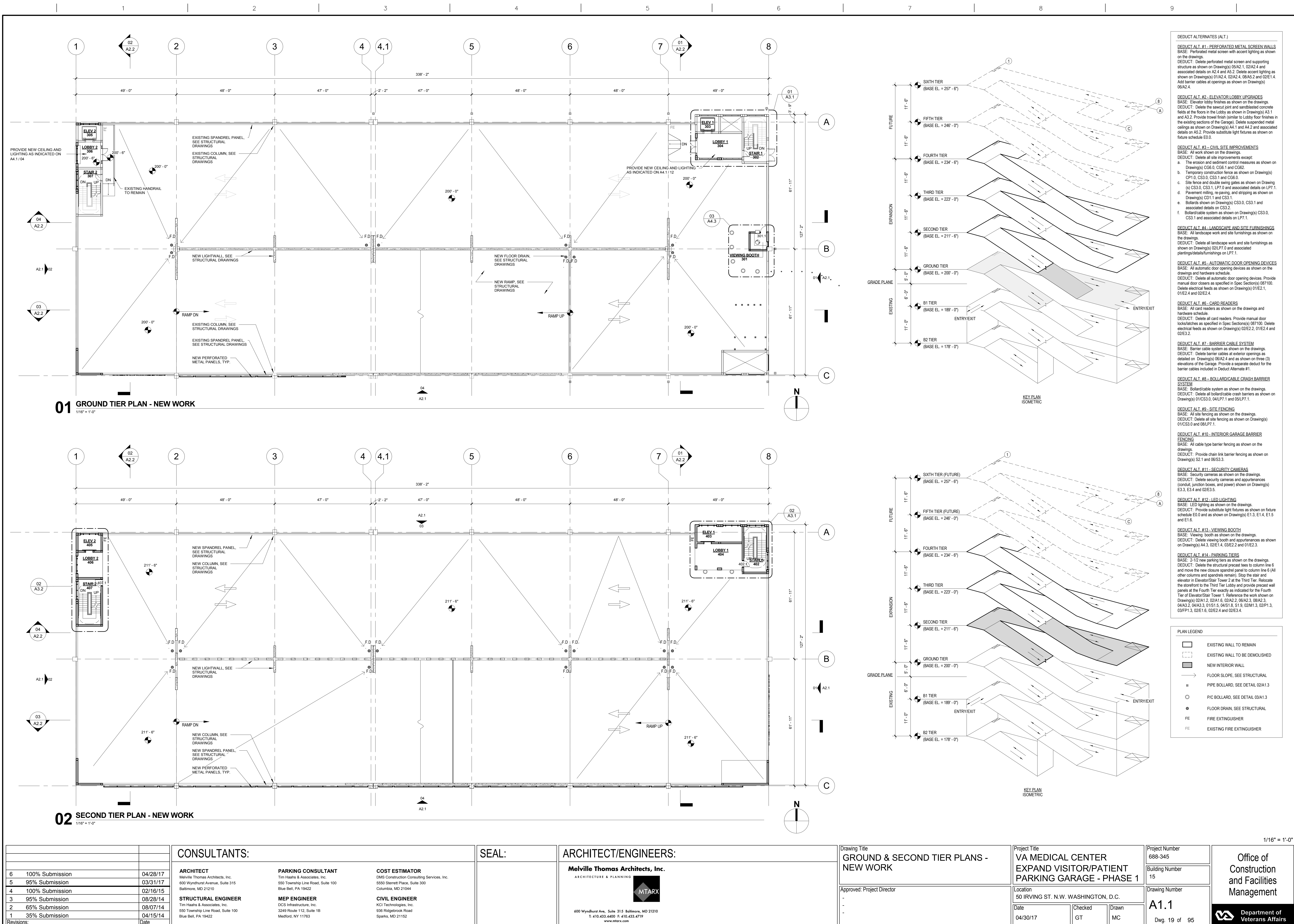
ARCHITECT/ENGINEERS:
<b>Melville Thomas Architects, Inc.</b> ARCHITECTURE & PLANNING  400 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4600 F: 410.433.4719 www.mtarx.com

Drawing Title <b>B2 &amp; B1 TIER PLANS - NEW WORK</b>
Approved: Project Director - - -

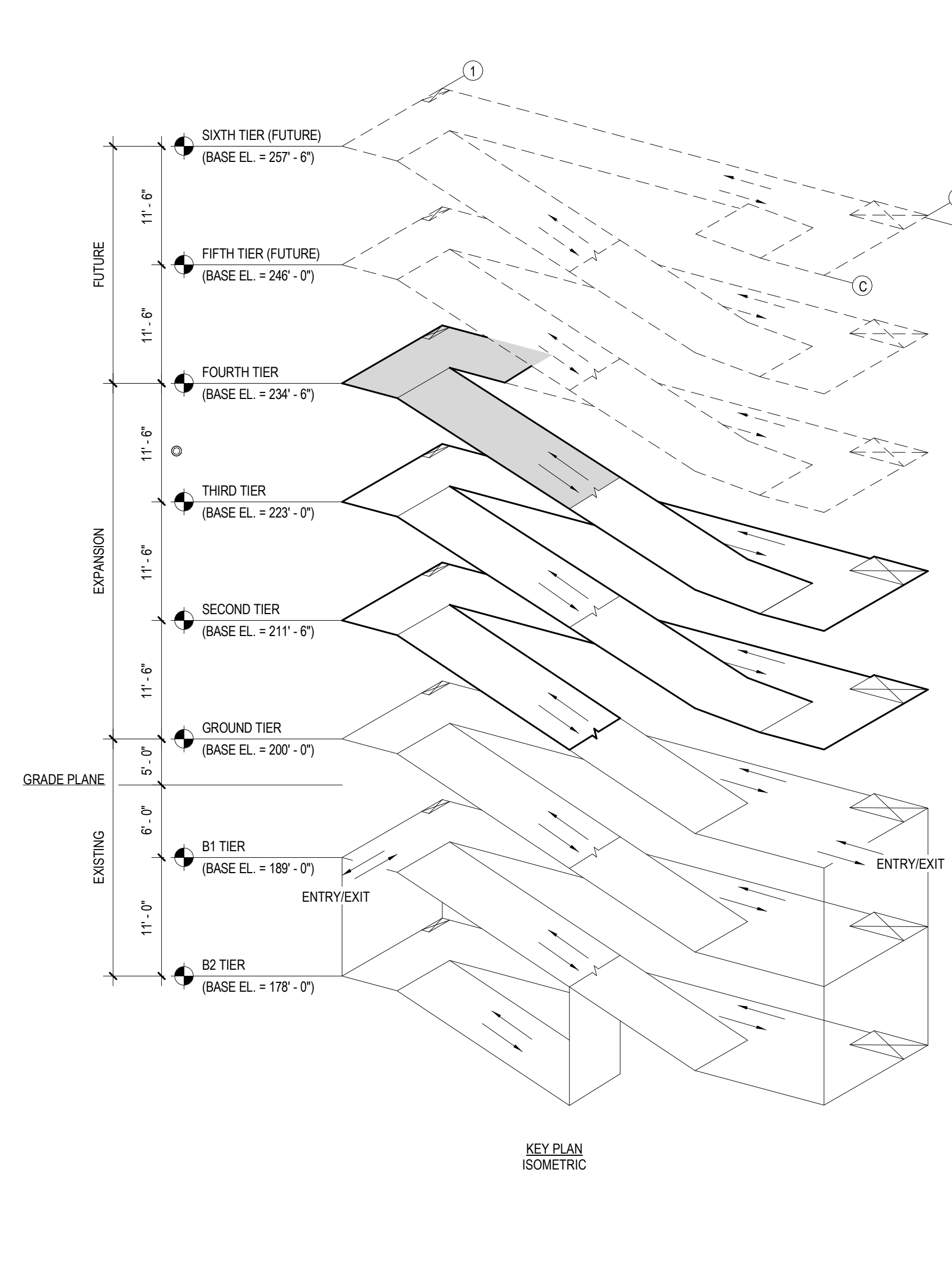
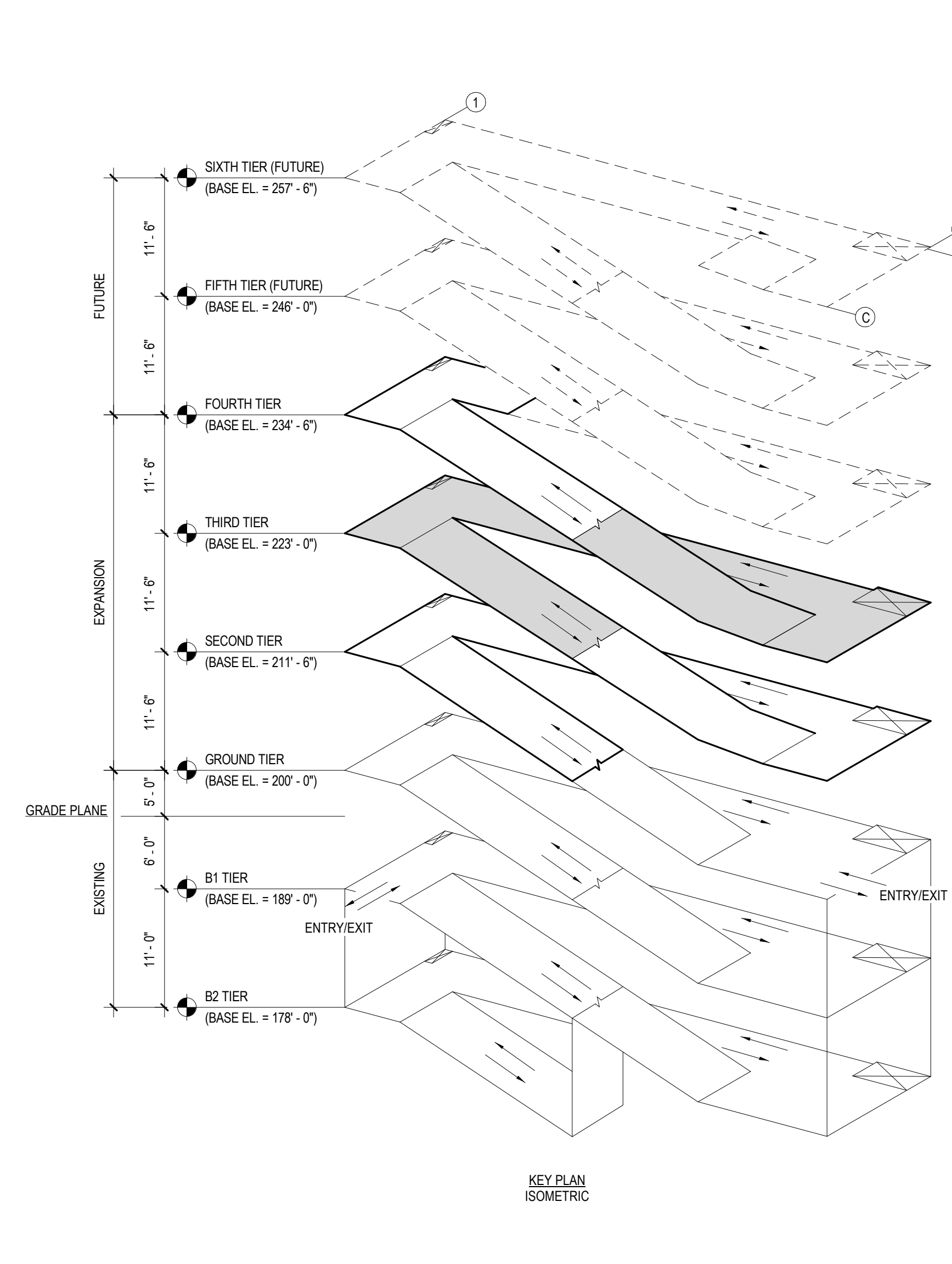
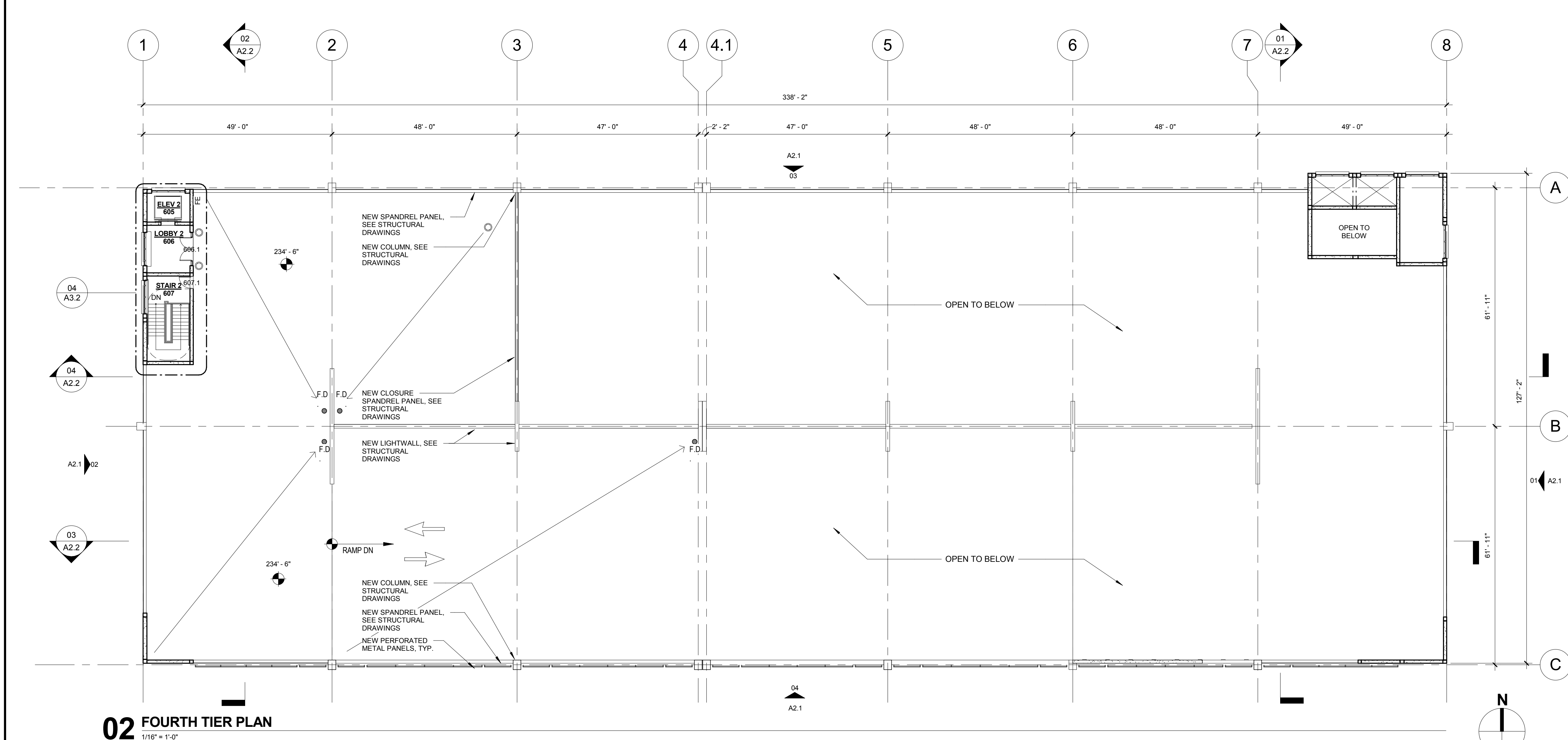
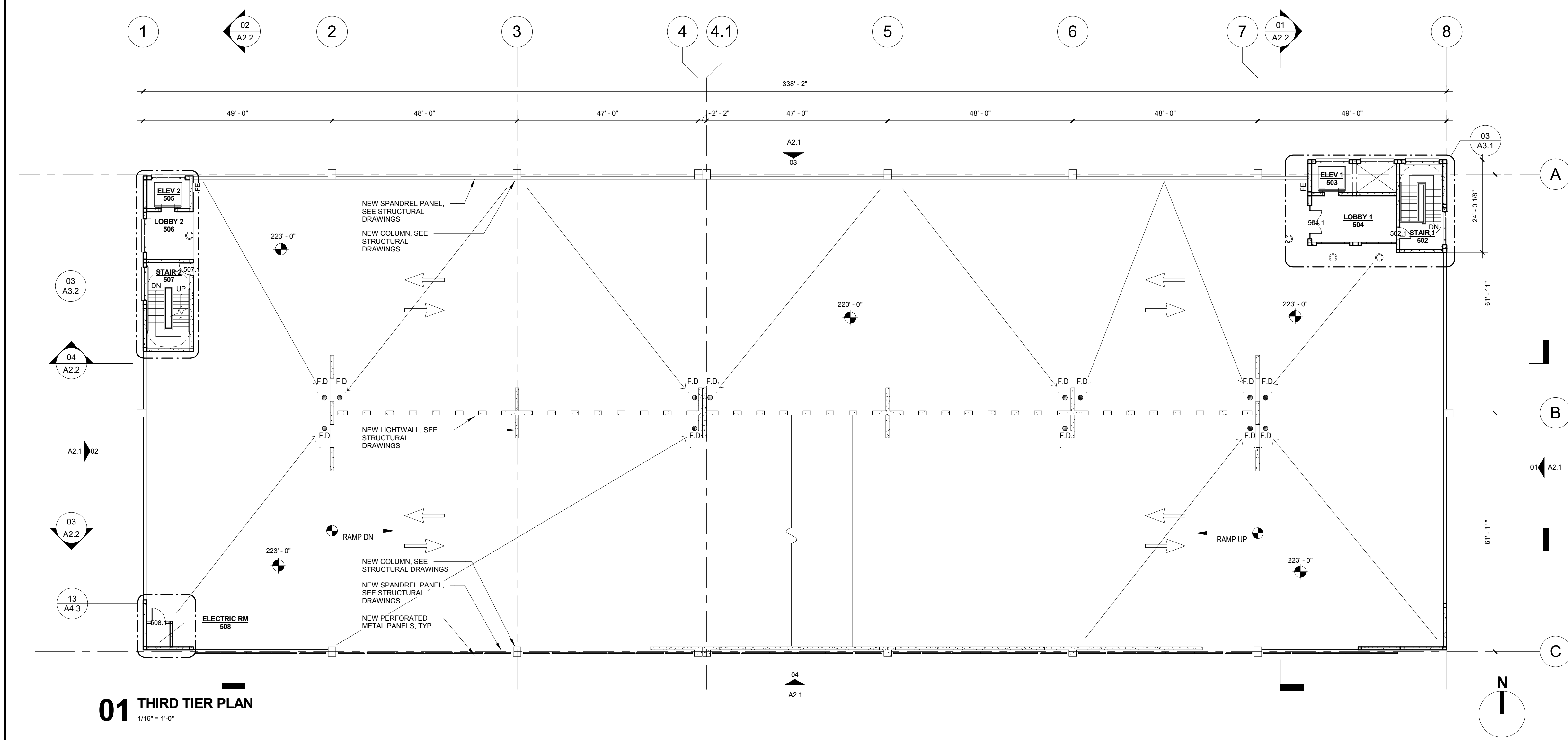
Project Title <b>VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1</b>
Location <b>50 IRVING ST. N.W. WASHINGTON, D.C.</b>
Date <b>04/30/17</b>
Checked <b>GT</b>
Drawn <b>MC</b>
Project Number <b>688-345</b>
Building Number <b>15</b>
Drawing Number <b>A1.0</b>
Dwg. 18 of 95

Office of Construction and Facilities Management 
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one eighth inch = one foot  
one quarter inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
three quarters inch = one foot  
one inch = one foot  
one and one half inches = one foot  
two inches = one foot  
three inches = one foot  
four inches = one foot  
five inches = one foot  
six inches = one foot  
seven inches = one foot  
eight inches = one foot  
nine inches = one foot  
ten inches = one foot  
eleven inches = one foot  
twelve inches = one foot  
thirteen inches = one foot  
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ninety two inches = one foot  
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ninety four inches = one foot  
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ninety six inches = one foot  
ninety seven inches = one foot  
ninety eight inches = one foot  
ninety nine inches = one foot  
one hundred inches = one foot

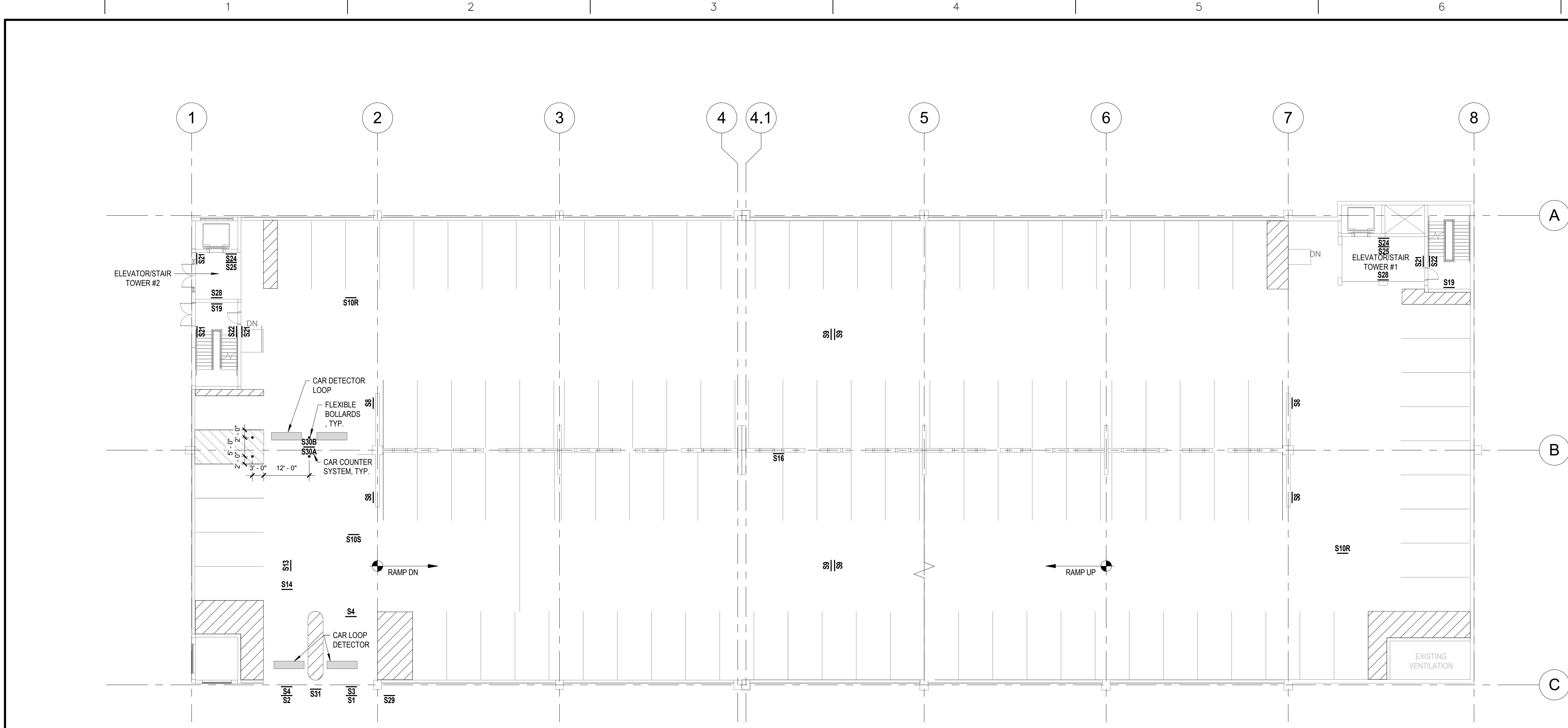


- DEDUCT ALTERNATES (ALT.)**
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05/A2.1, 02/A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01/A2.4, 02/A2.4, 06/A2.2 and 02/E1.4. Add barrier cables at openings as shown on Drawing(s) 06/A2.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator lobby finishes as shown on the drawings.  
DEDUCT: Delete the sawcut joint and sandblasted concrete fields at the floors in the Lobby as shown in Drawing(s) A3.1 and A3.2. Provide trowel finish (similar to Lobby floor finishes in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2 and associated details on A5.2. Provide substitute light fixtures as shown on future schedule E0.0.
- DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS**  
BASE: All work shown on the drawings.  
DEDUCT: Delete all site improvements except:  
a. The erosion and sediment control measures as shown on Drawing(s) C06.0, C06.1 and C06.2.  
b. Temporary construction fence as shown on Drawing(s) C01.0, CS3.0, CS3.1 and C06.0.  
c. Site fence and double swing gates as shown on Drawing(s) CS3.0, CS3.1, LP7.0 and associated details on LP7.1.  
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) C01.1 and CS3.1.  
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.  
f. Bolted/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details on LP7.1.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings as shown on the drawings.  
DEDUCT: Delete all landscape work and site furnishings as shown on Drawing(s) 02/LP7.0 and associated plantings/details/furnishings on LP7.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices as shown on the drawings and hardware schedule.  
DEDUCT: Delete all automatic door opening devices. Provide manual door closers as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 01/E2.1, 01/E2.4 and 02/E2.4.
- DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers as shown on the drawings and hardware schedule.  
DEDUCT: Delete all card readers. Provide manual door lock/latches as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 02/E2.2, 01/E2.4 and 02/E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at entrance openings as detailed on Drawing(s) 06/A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternate #1.
- DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM**  
BASE: Bollard/cable system as shown on the drawings.  
DEDUCT: Delete all bollard/cable crash barriers as shown on Drawing(s) 01/CS3.0, 04/LP7.1 and 05/LP7.1.
- DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing as shown on the drawings.  
DEDUCT: Delete all site fencing as shown on Drawing(s) 01/CS3.0 and 08/LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing as shown on the drawings.  
DEDUCT: Provide chain link barrier fencing as shown on Drawing(s) S2.1 and 06/S3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and apertures (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02/E3.5.
- DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.3, E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - VIEWING BOOTH**  
BASE: Viewing booth as shown on the drawings.  
DEDUCT: Delete viewing booth and apertures as shown on Drawing(s) A4.3, 02/E1.4, 03/E2.2 and 01/E2.3.
- DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new parking tiers as shown on the drawings.  
DEDUCT: Delete the structural precast ties to column line 6 and move the new closure spandrel panel to column line 6 (All other columns and spandrels remain). Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the stair/elevator to the Third Tier Lobby and provide precast wall panels at the Fourth Tier exactly as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02/A1.2, 02/A1.6, 02/A2.2, 06/A2.3, 08/A2.3, 04/A2.2, 04/A3.3, 01/E1.5, 04/E1.8, 01.6, 02/M1.3, 02/P1.3, 03/P1.3, 02/E1.6, 02/E2.4 and 02/E3.4.
- PLAN LEGEND**
- EXISTING WALL TO REMAIN
  - EXISTING WALL TO BE DEMOLISHED
  - NEW INTERIOR WALL
  - FLOOR SLOPE, SEE STRUCTURAL
  - PIPE BOLLARD, SEE DETAIL 02/A1.3
  - PIC BOLLARD, SEE DETAIL 03/A1.3
  - FLOOR DRAIN, SEE STRUCTURAL
  - FIRE EXTINGUISHER
  - EXISTING FIRE EXTINGUISHER

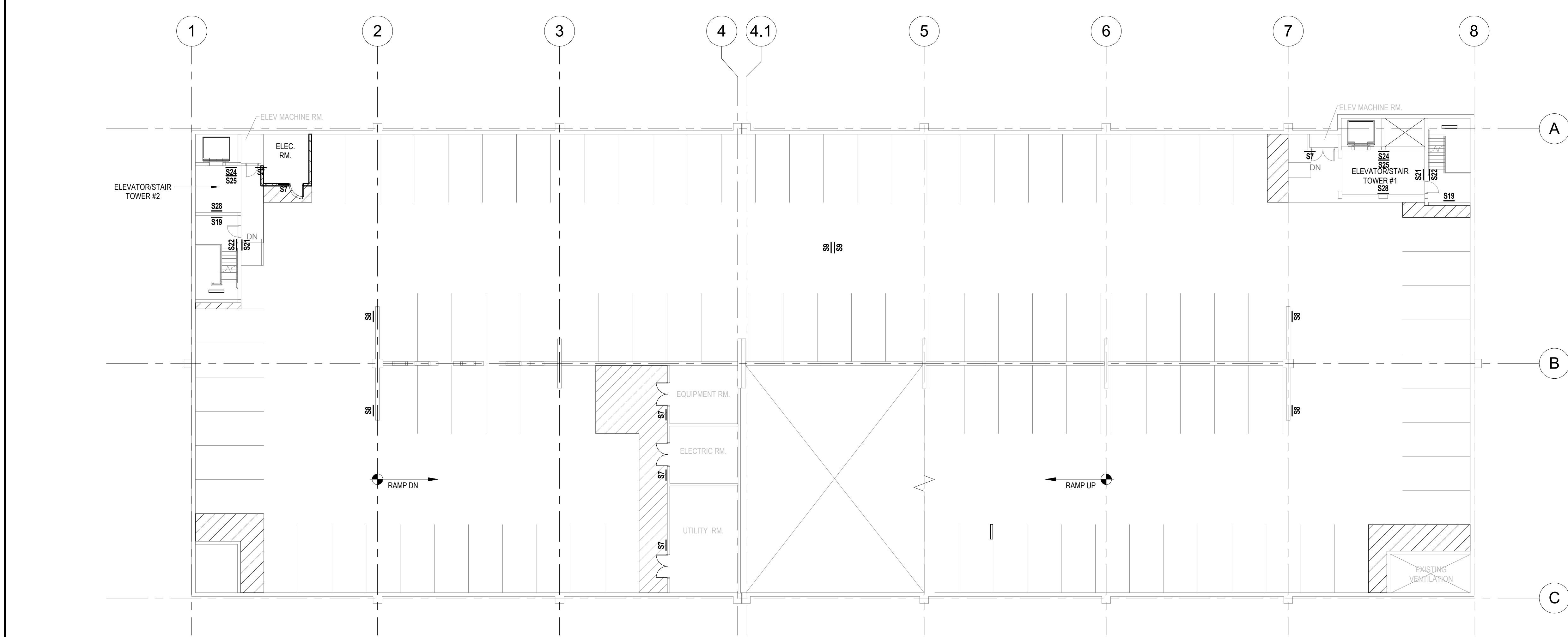
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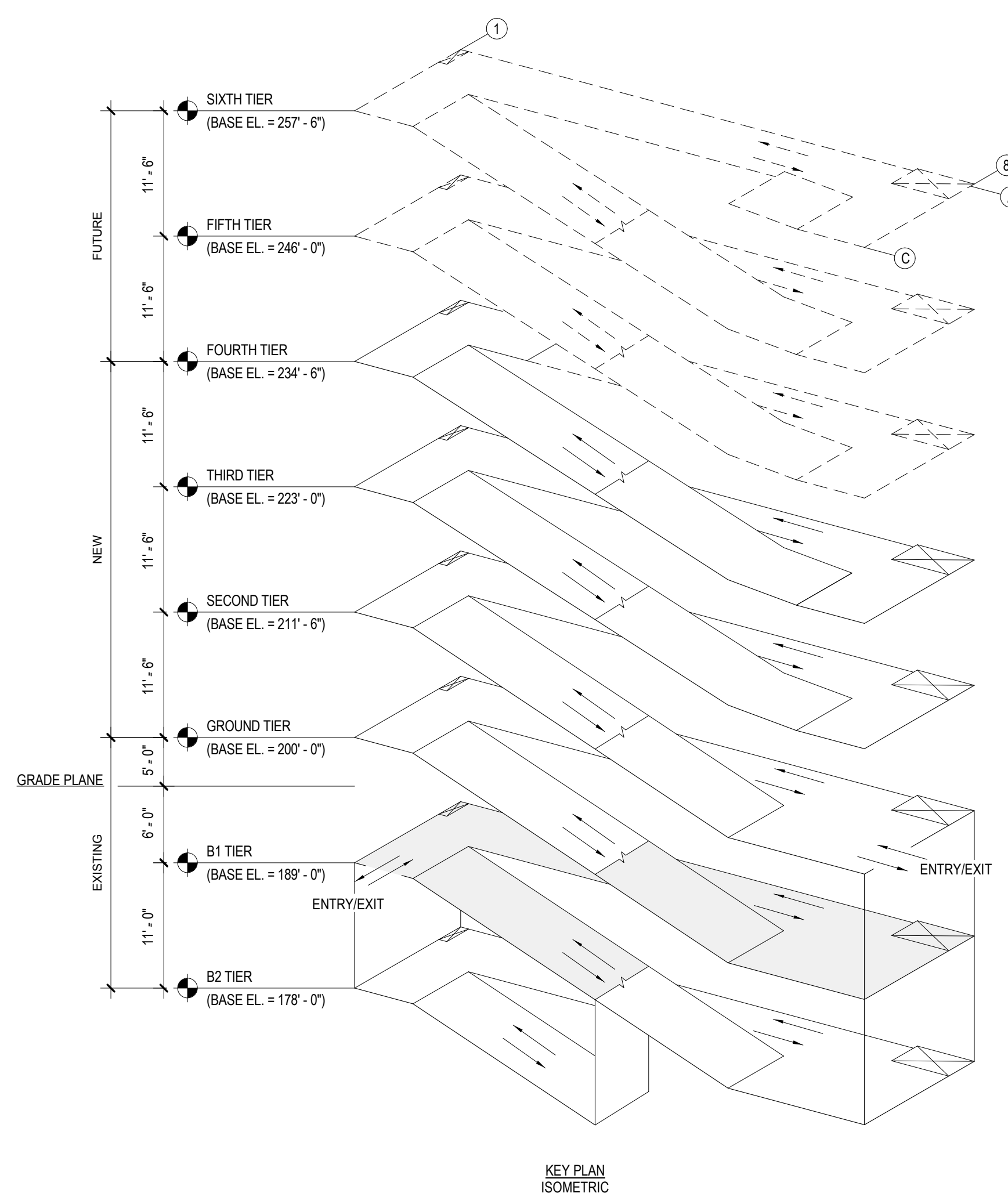
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one eighth inch = one foot



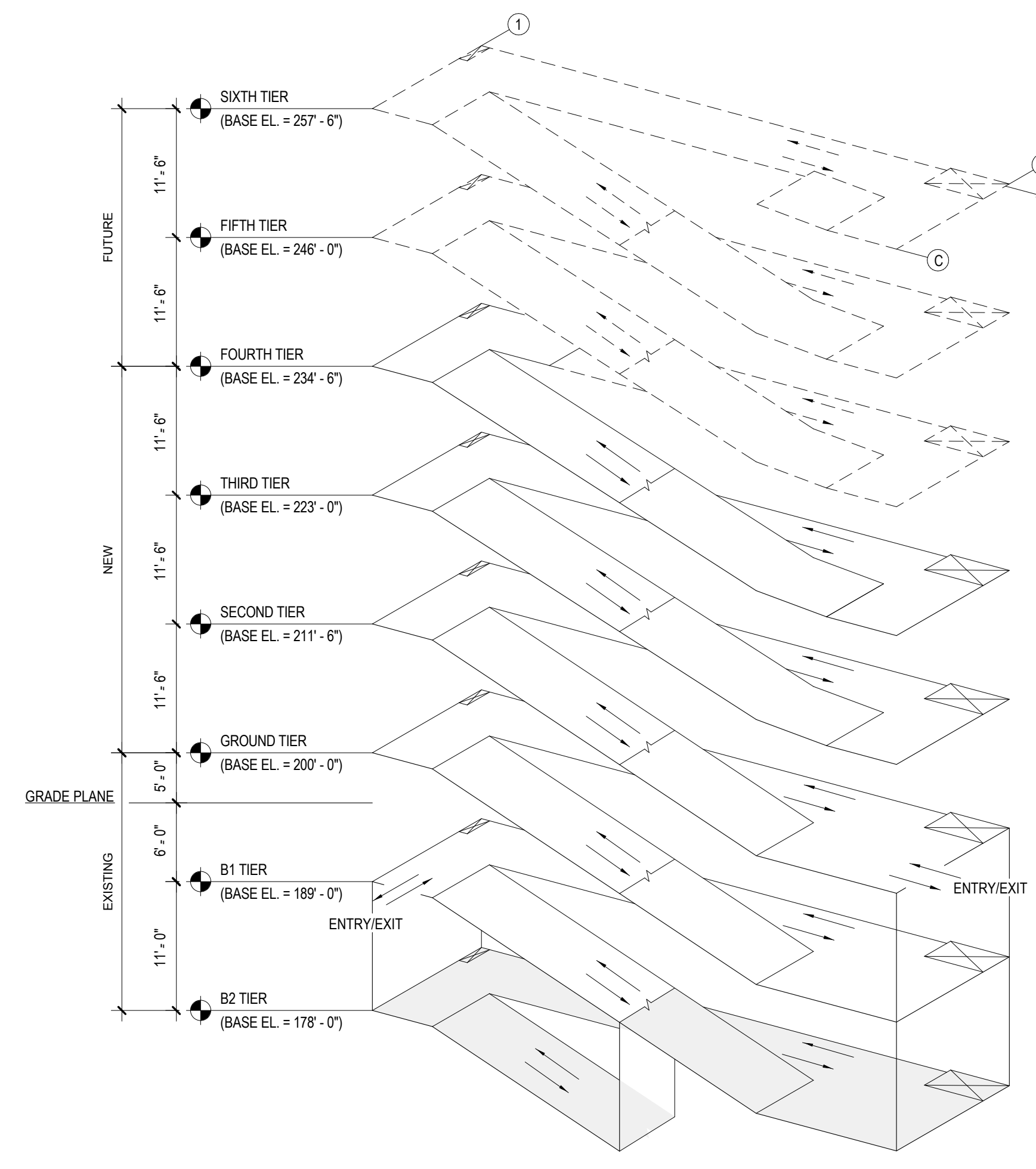
01 B1 EXISTING TIER  
1/16" = 1'-0"



02 B2 EXISTING TIER  
1/16" = 1'-0"



KEY PLAN  
ISOMETRIC



KEY PLAN  
ISOMETRIC

- DEDUCT ALTERNATES (ALT.)
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05/A2.1, 02/A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01/A2.4, 02/A2.4, 03/A2.2 and 02/E1.4. Add barrier cables at openings as shown on Drawing(s) 06/A2.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator lobby finishes as shown on the drawings.  
DEDUCT: Delete the sawcut joint and sandblasted concrete fields at the floors in the Lobby as shown on Drawing(s) A3.1 and A3.2. Provide trowel finish (similar to Lobby floor finishes in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2 and associated details on A5.2. Provide substitute light fixtures as shown on future schedule E0.0.
- DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS**  
BASE: All work shown on the drawings.  
DEDUCT: Delete all site improvements except:  
a. The erosion and sediment control measures as shown on Drawing (s) C06.0, C06.1 and C06.2.  
b. Temporary construction fence as shown on Drawing(s) CP1.0, CS3.0, CS3.1 and C06.0.  
c. Site fence and double swing gates as shown on Drawing(s) CS3.0, CS3.1, LP7.0 and associated details on LP7.1.  
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) CD1.1 and CS3.1.  
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.  
f. Bollard/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details on LP7.1.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings as shown on the drawings.  
DEDUCT: Delete all landscape work and site furnishings as shown on Drawing(s) 02/LP7.0 and associated plantings/details/furnishings on LP7.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices as shown on the drawings and hardware schedule.  
DEDUCT: Delete all automatic door opening devices. Provide manual door closers as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 01/E2.1, 01/E2.4 and 02/E2.4.
- DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers as shown on the drawings and hardware schedule.  
DEDUCT: Delete all card readers. Provide manual door locks/latches as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 02/E2.2, 01/E2.4 and 02/E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as detailed on Drawing(s) 06/A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternate #1.
- DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM**  
BASE: Bollard/cable system as shown on the drawings.  
DEDUCT: Delete all bollard/cable crash barriers as shown on Drawing (s) 01/CS3.0, 04/LP7.1 and 05/LP7.1.
- DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing as shown on the drawings.  
DEDUCT: Delete all site fencing as shown on Drawing(s) 01/CS3.0 and 08/LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing as shown on the drawings.  
DEDUCT: Provide chain link barrier fencing as shown on Drawing(s) S2.1 and 06/S3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appurtenances (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02/E3.5.
- DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.3, E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - VIEWING BOOTH**  
BASE: Viewing booth as shown on the drawings.  
DEDUCT: Delete viewing booth and appurtenances as shown on Drawing(s) A4.3, 02/E1.4, 03/E2.2 and 01/E2.3.
- DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new parking tiers as shown on the drawings.  
DEDUCT: Delete the structural precast tees to column line 6 and move the new closure spandrel panel to column line 6. Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the storefront to the Third Tier Lobby and provide precast wall panels at the Fourth Tier security as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02/A1.2, 02/A1.6, 02/A2.2, 06/A2.3, 08/A2.3, 04/A3.2, 04/A3.3, 01/S1.5, 04/S1.8, S1.9, 02/M1.3, 02/P1.3, 02/P1.3, 02/E1.6, 02/E2.4 and 02/E3.4.
- NOTE:  
SEE SHEET A6.1 AND A6.2 FOR SIGNAGE DETAILS

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01 GROUND TIER STRIPING PLAN

1/16" = 1'-0"

EXISTING CAR TABULATION					
LEVEL	STANDARD	ACCESSIBLE	VAN ACCESSIBLE	TOTAL	RELATIONSHIP TO GRADE
GROUND	65 - (3) = 62	32 - (1) = 31	8	101	ABOVE GRADE
B1	122 - (1) = 121	0	0	121	PARTIALLY BELOW GRADE
B2	109 - (1) = 108	0	0	108	COMPLETELY BELOW GRADE (ENCLOSED)
TOTAL	291	31	8	330	TOTAL

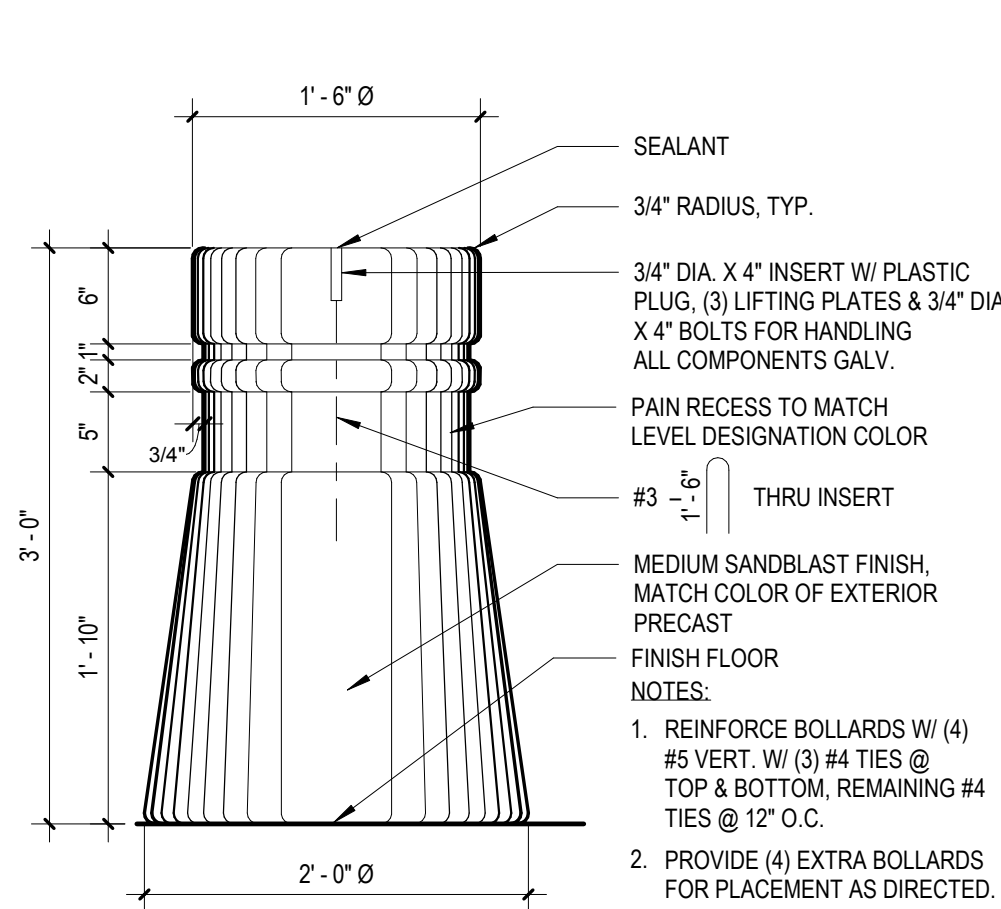
NOTE: GROUND LEVEL - THE (3) STANDARD AND (1) ACCESSIBLE SPACES ARE REMOVED TO ACCOMMODATE THE SECURITY BOOTH AREA  
B1 LEVEL - THE (1) ACCOUNTS FOR STRIPED AREA NEAR PARKING COUNT SYSTEM NEAR COLUMN LINE 02  
B2 LEVEL - THE (1) ACCOUNTS FOR THE LOSS OF 1 PARKING SPACE FOR RELOCATED ELECTRICAL ROOM.

NEW CAR TABULATION					
LEVEL	STANDARD	ACCESSIBLE	VAN ACCESSIBLE	TOTAL	RELATIONSHIP TO GRADE
GROUND	13 - (1)	2	0	14	ABOVE GRADE
SECOND	116 - (1)	4	3	122	ABOVE GRADE
THIRD	119 - (1)	6	0	124	ABOVE GRADE
FOURTH	47	3	0	50	ABOVE GRADE
TOTAL	292	15	3	310	TOTAL

NOTE: THE (1) ACCOUNTS FOR THE LOSS OF 1 PARKING SPACE FOR RELOCATED ELECTRICAL ROOM

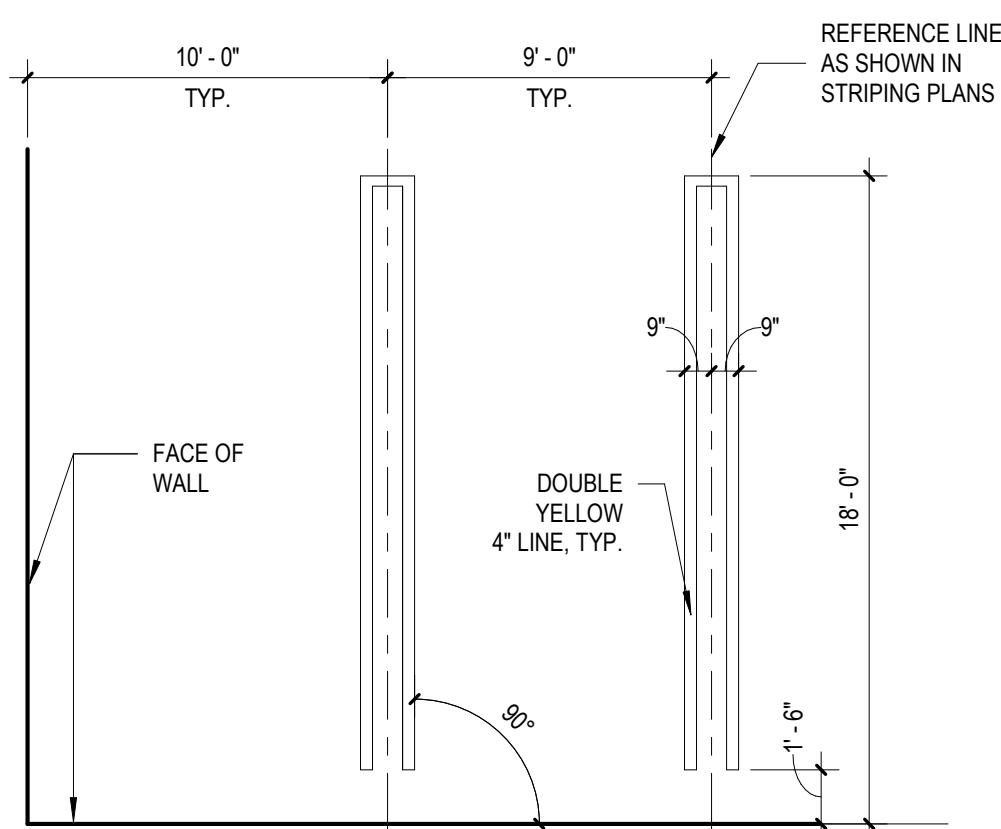
EXISTING & NEW CAR TABULATION (COMBINED)					
LEVEL	STANDARD	ACCESSIBLE	VAN ACCESSIBLE	TOTAL	
EXISTING	291	31	8	330	
NEW	292	15	3	310	
TOTAL	583	46	11	640	

TYPICAL STALL: 9'-0" X 18'-0"  
ADA ACCESSIBLE SPACES = 5% OF TOTAL SPACES  
5% OF 635 = 32 SPACES (11 VAN ACCESSIBLE & 45 ACCESSIBLE)



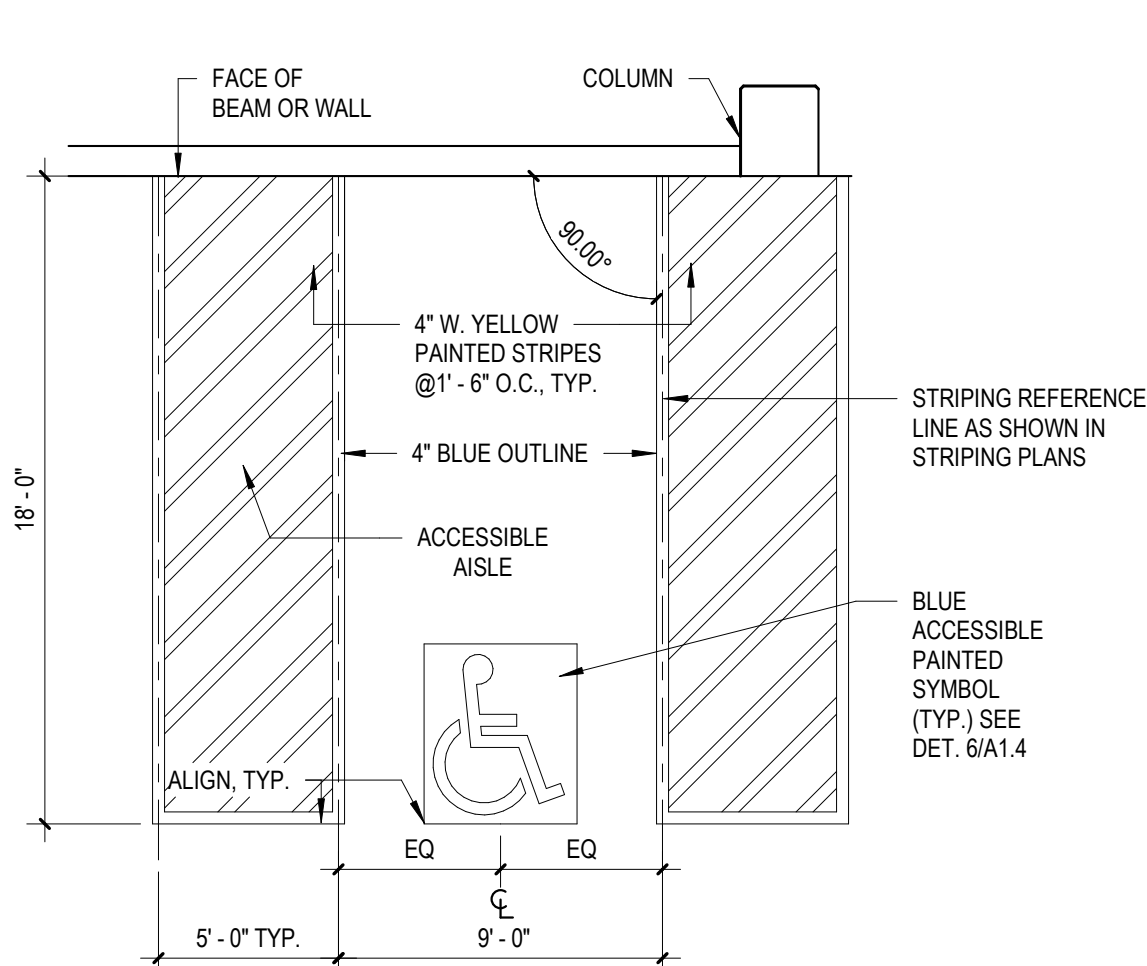
02 P/C BOLLARD DETAIL

1" = 1'-0"



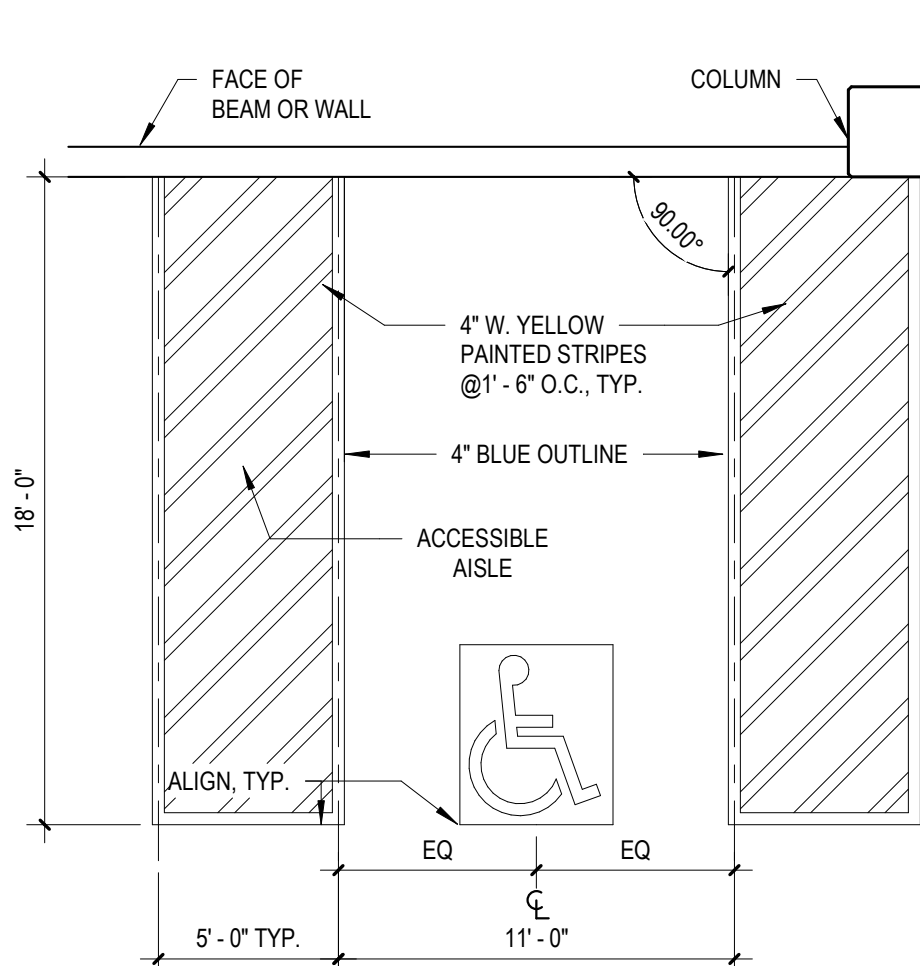
03 TYPICAL STRIPING DETAIL

3/16" = 1'-0"



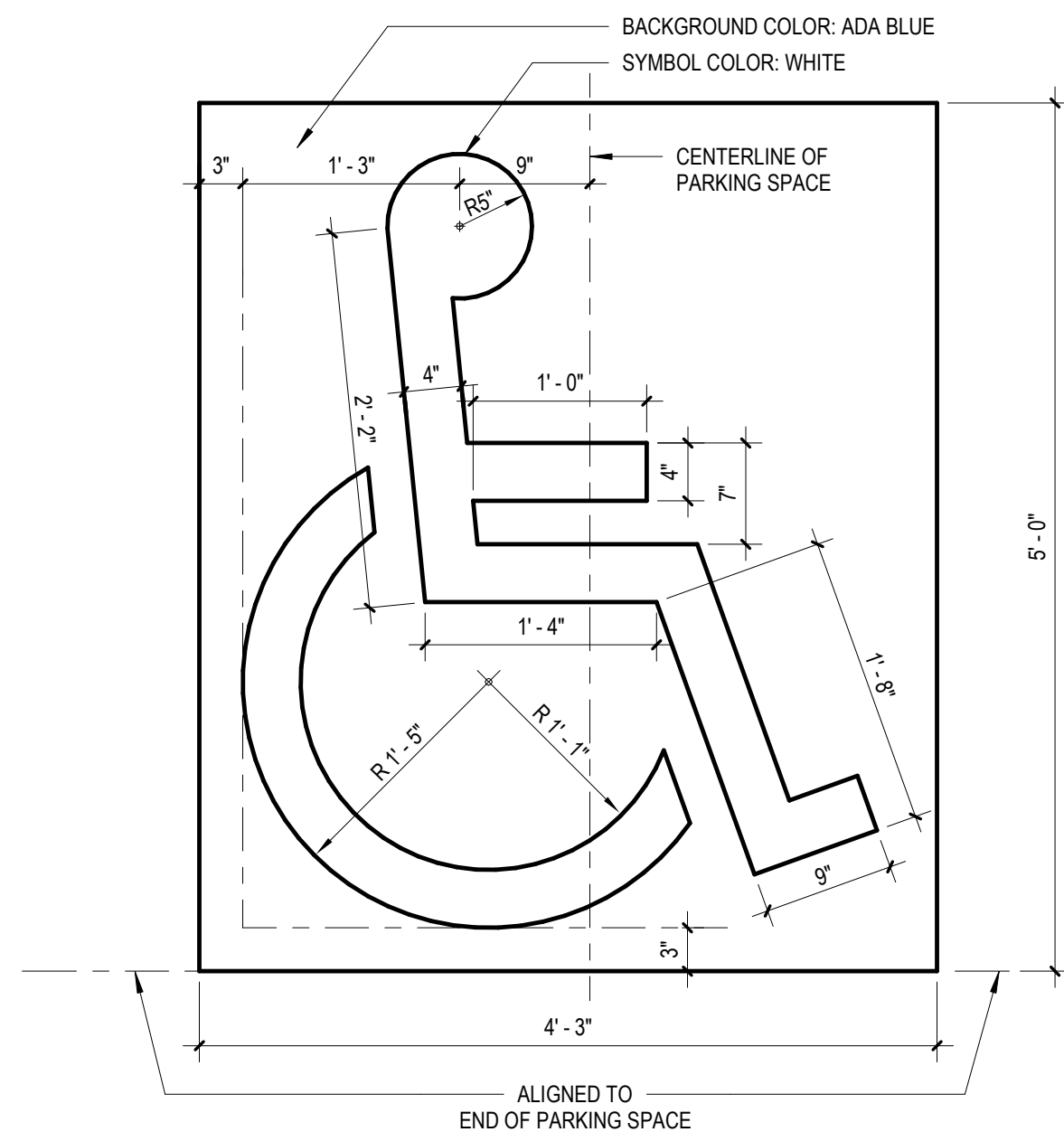
04 ACCESSIBLE STRIPING DETAIL

3/16" = 1'-0"



05 VAN ACCESSIBLE STRIPING DETAIL

3/16" = 1'-0"



06 ACCESSIBLE SYMBOL DETAIL

1" = 1'-0"

- DEDUCT ALTERNATES (ALT.)
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05A2.1, 02A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01A2.4, 02A2.4, 03A2.2 and 02E1.4. Add barrier cables at openings as shown on Drawing(s) 06A2.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES  
BASE: Elevator lobby finishes as shown on the drawings.  
DEDUCT: Delete the sawcut joint and sandblasted concrete fields at the floors in the Lobby as shown in Drawing(s) A3.1 and A3.2. Provide trowel finish (similar to Lobby floor finishes in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2 and associated details on A5.2. Provide substitute light fixtures as shown on future schedule E0.0.
- DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS  
BASE: All work shown on the drawings.  
DEDUCT: Delete all site improvements except:  
a. The erosion and sediment control measures as shown on Drawing(s) CG6.0, CG6.1 and CG6.2.  
b. Temporary construction fence as shown on Drawing(s) CP1.0, CS3.0, CS3.1 and CG8.0.  
c. Site fence and double swing gates as shown on Drawing(s) CS3.0, CS3.1, LP7.0 and associated details on LP7.1.  
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) CD1.1 and CS3.1.  
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.  
f. Bollard/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details on LP7.1.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS  
BASE: All landscape work and site furnishings as shown on the drawings.  
DEDUCT: Delete all landscape work and site furnishings as shown on Drawing(s) 02/LP7.0 and associated plantings/details/furnishings on LP7.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES  
BASE: All automatic door opening devices as shown on the drawings and hardware schedule.  
DEDUCT: Delete all automatic door opening devices. Provide manual door closers as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 01/E2.1, 01/E2.4 and 02/E2.4.
- DEDUCT ALT. #6 - CARD READERS  
BASE: All card readers as shown on the drawings and hardware schedule.  
DEDUCT: Delete all card readers. Provide manual door locks/latches as specified in Spec Section(s) 087100. Delete electrical feeds as shown on Drawing(s) 02/E2.2, 01/E2.4 and 02/E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as detailed on Drawing(s) 06A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternate #1.
- DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM  
BASE: Bollard/cable system as shown on the drawings.  
DEDUCT: Delete all bollard/cable crash barriers as shown on Drawing(s) 01/CS3.0, 04/LP7.1 and 06/LP7.1.
- DEDUCT ALT. #9 - SITE FENCING  
BASE: All site fencing as shown on the drawings.  
DEDUCT: Delete all site fencing as shown on Drawing(s) 01/CS3.0 and 08/LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING  
BASE: All cable type barrier fencing as shown on the drawings.  
DEDUCT: Provide chain link barrier fencing as shown on Drawing(s) S2.1 and 06/S3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appurtenances (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02/E3.5.
- DEDUCT ALT. #12 - LED LIGHTING  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.3, E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - VIEWING BOOTH  
BASE: Viewing booth as shown on the drawings.  
DEDUCT: Delete viewing booth and appurtenances as shown on Drawing(s) A4.3, 02/E1.4, 03/E2.2 and 01/E2.3.
- DEDUCT ALT. #14 - PARKING TIERS  
BASE: 2-1/2 new parking tiers as shown on the drawings.  
DEDUCT: Delete the structural precast ties to column line 6 and move the new closure spandrel panel to column line 6. Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the storefront to the Third Tier Lobby and provide precast wall panels at the Fourth Tier exactly as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02A1.2, 02A1.6, 02A2.2, 06A2.3, 06A2.3, 04A3.2, 04A3.3, 01/S1.5, 04/S1.6, S1.9, 02M1.3, 02P1.3, 03P1.3, 02E1.6, 02E2.4 and 02E2.4.

NOTE:  
SEE SHEET A6.1 AND A6.2 FOR SIGNAGE DETAILS

PLAN LEGEND

- FLEXIBLE BOLLARD, SEE DETAIL 03A1.5
- PIPE BOLLARD, SEE DETAIL 04A1.5
- P/C BOLLARD, SEE DETAIL 02A1.4
- ACCESSIBLE PARKING SPACE
- ▨ 4" WIDE STRIPES PAINTED @ 1'-6" O.C.
- ➔ PAINTED FLOOR ARROW, SEE DETAIL 02A1.5

CONSULTANTS:				SEAL:	ARCHITECT/ENGINEERS:	Drawing Title		Project Title		Project Number	Office of Construction and Facilities Management  Department of Veterans Affairs
						GROUND TIER STRIPING PLAN & DETAILS - EXISTING & NEW WORK		VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE I		688-345	
						Approved: Project Director		Location 50 IRVING ST. N.W. WASHINGTON, D.C.		Building Number 15	
								Date 04/30/17	Checked NCA	Drawn MRC	
										Drawing Number A1.4	
										Dwg. 22 of 95	

Revisions:

6	100% Submission	04/30/17
5	95% CD Submission	03/31/17
4	100% Submission	02/16/15
3	95% Submission	08/28/14
2	65% Submission	08/07/14
1	35% Submission	04/15/14

Date

CONSULTANTS:

<b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Windhurst Avenue, Suite 315 Baltimore, MD 21210	<b>PARKING CONSULTANT</b> Tim Haas & Associates, Inc. 5500 Sherett Place, Suite 100 Blue Bell, PA 19422	<b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 5550 Sherett Place, Suite 300 Columbia, MD 21044
<b>STRUCTURAL ENGINEER</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 5345 Route 112, Suite 1B Medford, NY 11763	<b>CIVIL ENGINEER</b> KGI Technologies, Inc. 5345 Route 112, Suite 1B Medford, NY 11763

ARCHITECT/ENGINEERS:

Melville Thomas Architects, Inc.

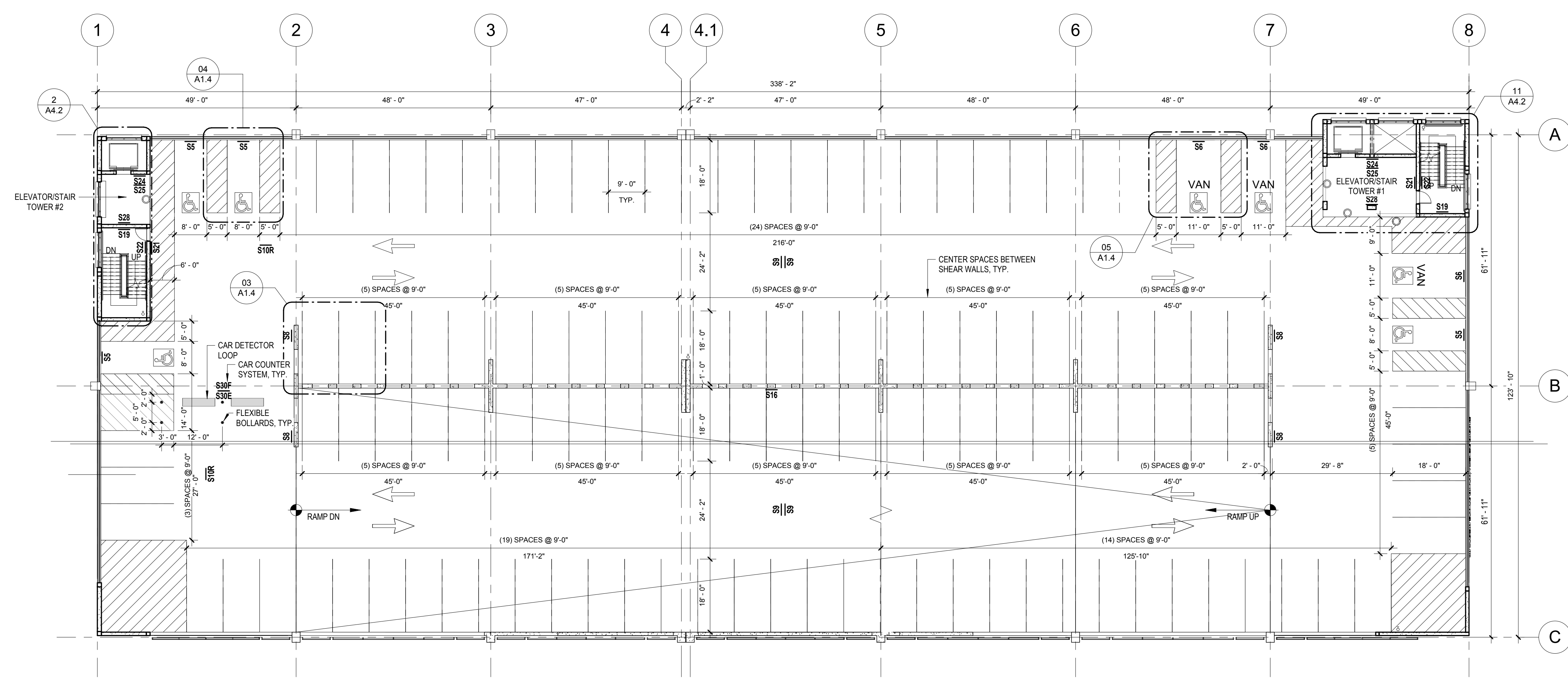
ARCHITECTURE & PLANNING

TimHaas

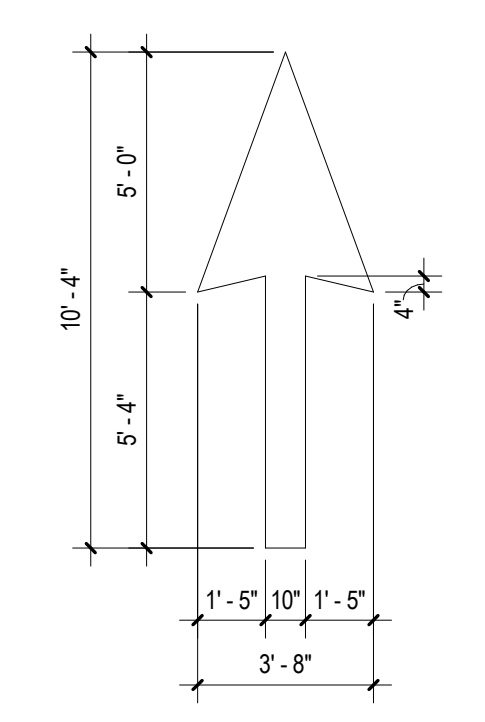
400 Windhurst Ave., Suite 315 Baltimore, MD 21210  
T: 410.423.4400 F: 410.423.4719  
www.mtarc.com



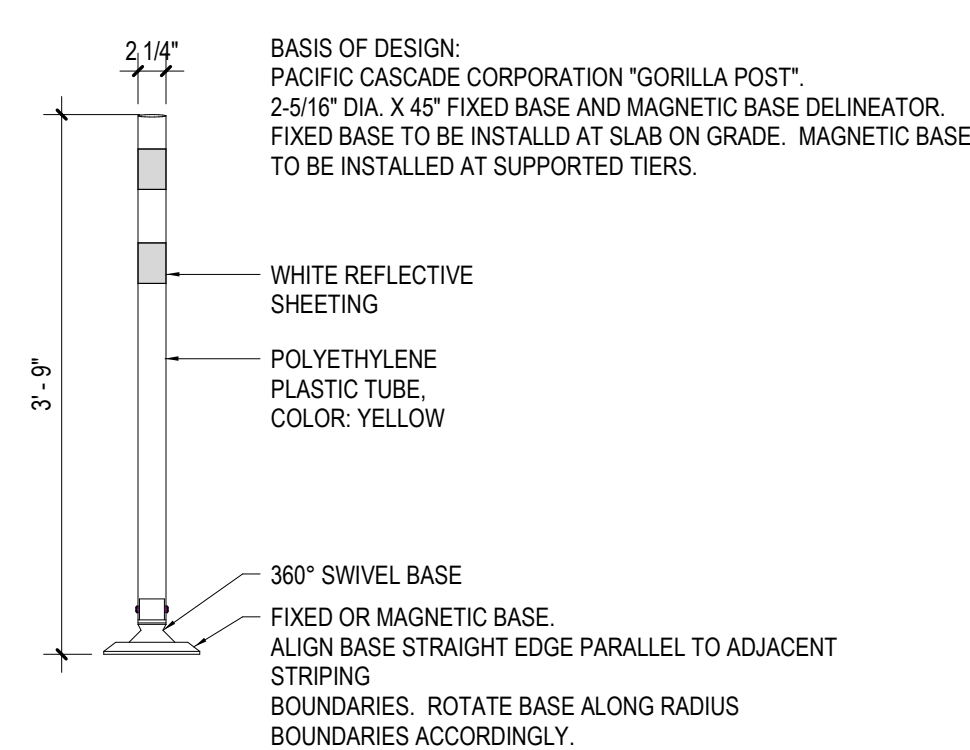
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one sixteenth inch = one foot



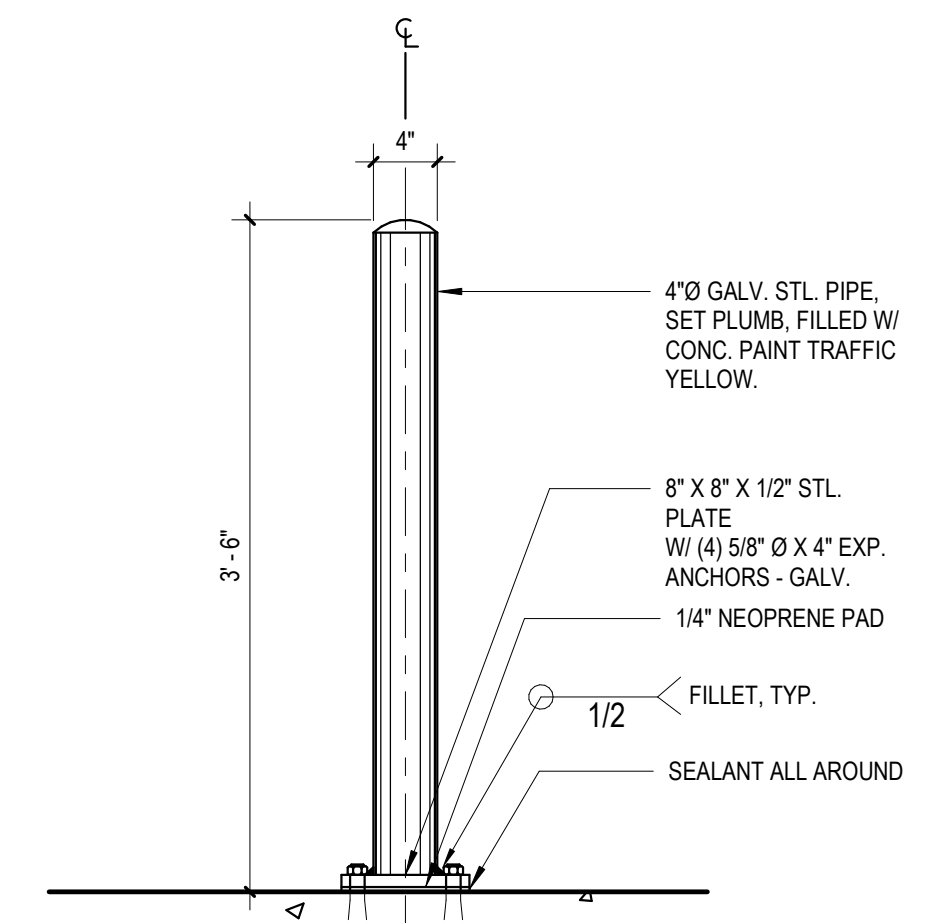
01 SECOND TIER STRIPING PLAN  
1/16" = 1'-0"



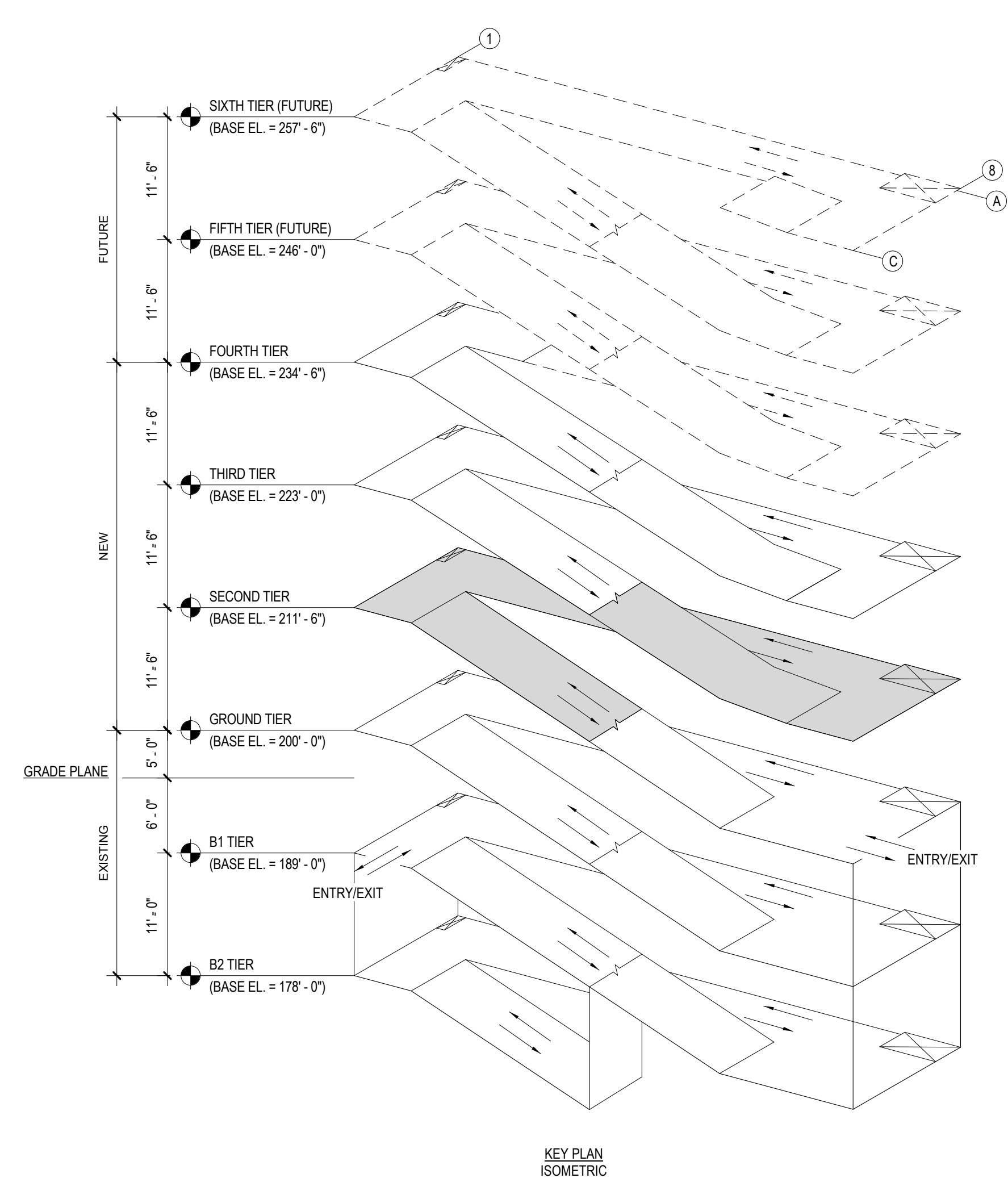
02 TYPICAL FLOOR ARROW DETAIL  
1/4" = 1'-0"



03 FLEXIBLE DELINEATOR  
3/4" = 1'-0"



04 PIPE BOLLARD DETAIL  
1" = 1'-0"



DEDUCT ALTERNATES (ALT.)	
DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS	BASE: Perforated metal screen with accent lighting as shown on the drawings.
DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES	BASE: Elevator lobby finishes as shown on the drawings.
DEDUCT ALT. #3 - CIVIL SITE IMPROVEMENTS	BASE: All work shown on the drawings.
DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS	BASE: All landscape work and site furnishings as shown on the drawings.
DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES	BASE: All automatic door opening devices as shown on the drawings and hardware schedule.
DEDUCT ALT. #6 - CARD READERS	BASE: All card readers as shown on the drawings and hardware schedule.
DEDUCT ALT. #7 - BARRIER CABLE SYSTEM	BASE: Barrier cable system as shown on the drawings.
DEDUCT ALT. #8 - BOLLARD/CABLE CRASH BARRIER SYSTEM	BASE: Bollard/cable system as shown on the drawings.
DEDUCT ALT. #9 - SITE FENCING	BASE: All site fencing as shown on the drawings.
DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING	BASE: All cable type barrier fencing as shown on the drawings.
DEDUCT ALT. #11 - SECURITY CAMERAS	BASE: Security cameras as shown on the drawings.
DEDUCT ALT. #12 - LED LIGHTING	BASE: LED lighting as shown on the drawings.
DEDUCT ALT. #13 - VIEWING BOOTH	BASE: Viewing booth as shown on the drawings.
DEDUCT ALT. #14 - PARKING TIERS	BASE: 2-1/2 new parking tiers as shown on the drawings.
NOTE:	
SEE SHEET A6.1 AND A6.2 FOR SIGNAGE DETAILS	
PLAN LEGEND	
● FLEXIBLE BOLLARD, SEE DETAIL 03/A1.5	
○ PIPE BOLLARD, SEE DETAIL 04/A1.5	
○ PIC BOLLARD, SEE DETAIL 02/A1.4	
□ ACCESSIBLE PARKING SPACE	
4" WIDE STRIPES PAINTED @ 1'-4" O.C.	
→ PAINTED FLOOR ARROW, SEE DETAIL 02/A1.5	

Revisions:		Date	
6	100% Submission	04/30/17	
5	95% CD Submission	03/31/17	
4	100% Submission	02/16/15	
3	95% Submission	08/28/14	
2	65% Submission	08/07/14	
1	35% Submission	04/15/14	
CONSULTANTS:		SEAL:	
ARCHITECT Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210		ARCHITECT/ENGINEERS: Melville Thomas Architects, Inc. ARCHITECTURE & PLANNING 400 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4400 F: 410.433.4719 www.mtarx.com	
PARKING CONSULTANT Tim Haas & Associates, Inc. 550 Stremet Place, Suite 100 Columbia, MD 21044		COST ESTIMATOR DMS Construction Consulting Services, Inc. 5550 Stremet Place, Suite 300 Columbia, MD 21044	
STRUCTURAL ENGINEER Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422		CIVIL ENGINEER KCI Technologies, Inc. 3240 Route 112, Suite 1B Medford, NY 21152	
MEP ENGINEER DCS Infrastructure, Inc. 5200 Route 112, Suite 1B Medford, NY 21152		DRAWING TITLE SECOND TIER STRIPING PLAN - NEW WORK	
PROJECT TITLE VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE I		PROJECT NUMBER 688-345	
LOCATION 50 IRVING ST. N.W. WASHINGTON, D.C.		BUILDING NUMBER 15	
DATE 04/30/17		DRAWING NUMBER A1.5	
CHECKED NCA		DRAWN MRC	
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