

PROJECT DETAILS

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
NFA 101 Life Safety Code
NFA National Fire Codes with the exception of 5000 and NFA 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 88A: Standard for Parking Structures
ICC International Building Code
ICC International Electrical Code
VA Design Manual: Architectural, Electrical, HVAC, Plumbing, Site Utilities, Auto Transport, Interior Design, Structural

Table with 5 columns: CODE REQUIREMENTS, REFERENCE, ALLOWABLE OR REQUIRED, PROVIDED, COMMENTS. Rows include BUILDING USE GROUPS, PUBLIC PARKING GARAGES, CLEAR HEIGHT, GUARDS, VEHICLE BARRIERS, RAMP, FLOOR SURFACE, OPEN PARKING GARAGES CONSTRUCTION, OPENINGS, SINGLE USE, FIRE SEPARATION DISTANCE, MEANS OF EGRESS, STANDPIPE SYSTEM, VENTILATION, OPEN PARKING STRUCTURES, CLASSIFICATION OF HAZARD OF CONTENTS, SPECIAL PROVISIONS, GROUP S-2 ENCLOSED PARKING GARAGE WITH GROUP S-2 OPEN PARKING GARAGE ABOVE, CONSTRUCTION TYPE, FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS, FIRE-RESISTANCE RATINGS, EXTERIOR WALLS, ALLOWABLE OPENINGS-UNPROTECTED, NONSPRINKLERED, VERTICAL SEPARATION OF OPENINGS, JOINTS, DUCTS AND AIR TRANSFER OPENINGS, PARAPETS, VERTICAL OPENINGS, FIRE-RESISTANCE RATING, ELEVATOR LOBBY, PENETRATIONS, FIRE-RESISTANT JOINT SYSTEMS.

Table with 5 columns: CODE REQUIREMENTS, REFERENCE, ALLOWABLE OR REQUIRED, PROVIDED, COMMENTS. Rows include AUTOMATIC SPRINKLER SYSTEMS, STANDPIPE SYSTEMS, LOCATION OF CLASS I STANDPIPE HOSE CONNECTIONS, PORTABLE FIRE EXTINGUISHERS, FIRE ALARM SYSTEM, MEANS OF EGRESS, OCCUPANT LOAD CALCULATION, EGRESS CAPACITY, L STAIRWAYS, L LEVEL COMPONENTS AND RAMP, STAIRS, MINIMUM NEW STAIR WIDTH, MINIMUM & MAXIMUM HEIGHT OF RISERS, MINIMUM TREAD DEPTH, MINIMUM HEADROOM, MAXIMUM HEIGHT BETWEEN LANDINGS, STAIR LANDING, GUARDS AND HANDRAILS, NEW HANDRAIL HEIGHT, NEW HANDRAIL CLEARANCE, NEW HANDRAIL EXTENSION, EXIT STAIR ILLUMINATION, GUARD HEIGHT, OPEN GUARDS, EMERGENCY POWER SUPPLY SYSTEM (EPSS), ACCESSIBLE MEANS OF EGRESS ELEVATORS, AREAS OF REFUGE, TRAVEL DISTANCE TO EXITS, ACCESSIBILITY REQUIREMENTS.

Table with 2 columns: Revisions, Date. Rows include 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: ARCHITECT (Melville Thomas Architects, Inc.), PARKING CONSULTANT (Tim Haas & Associates, Inc.), COST ESTIMATOR (DMS Construction Consulting Services, Inc.), STRUCTURAL ENGINEER (Tim Haas & Associates, Inc.), MEP ENGINEER (DCS Infrastructure, Inc.), CIVIL ENGINEER (KCI Technologies, Inc.).

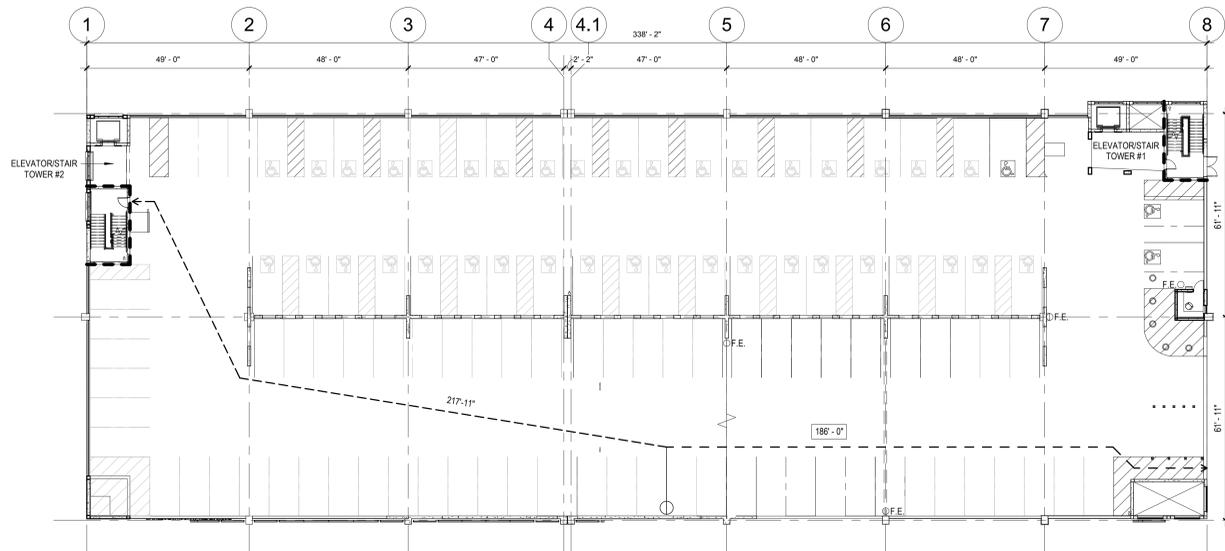
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ARCHITECT/ENGINEERS: Melville Thomas Architects, Inc. ARCHITECTURE & PLANNING. Includes logo for TimHaas and MTA.

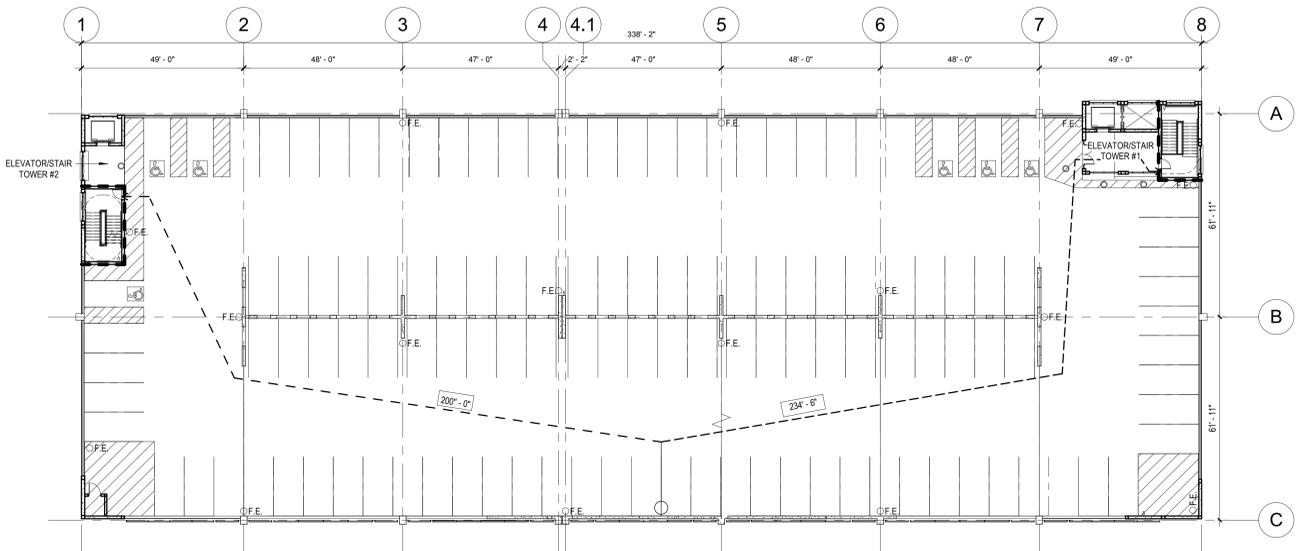
Table with 2 columns: Drawing Title (CODE ANALYSIS), Approved: Project Director. Includes signature lines for Project Director, NCA, and MRC.

Table with 4 columns: Project Title (VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE I), Project Number (688-345), Building Number (15), Drawing Number (A0.1), Date (04/30/17), Checked (NCA), Drawn (MRC), Dwg. 13 of 95.

Office of Construction and Facilities Management. Department of Veterans Affairs logo.



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

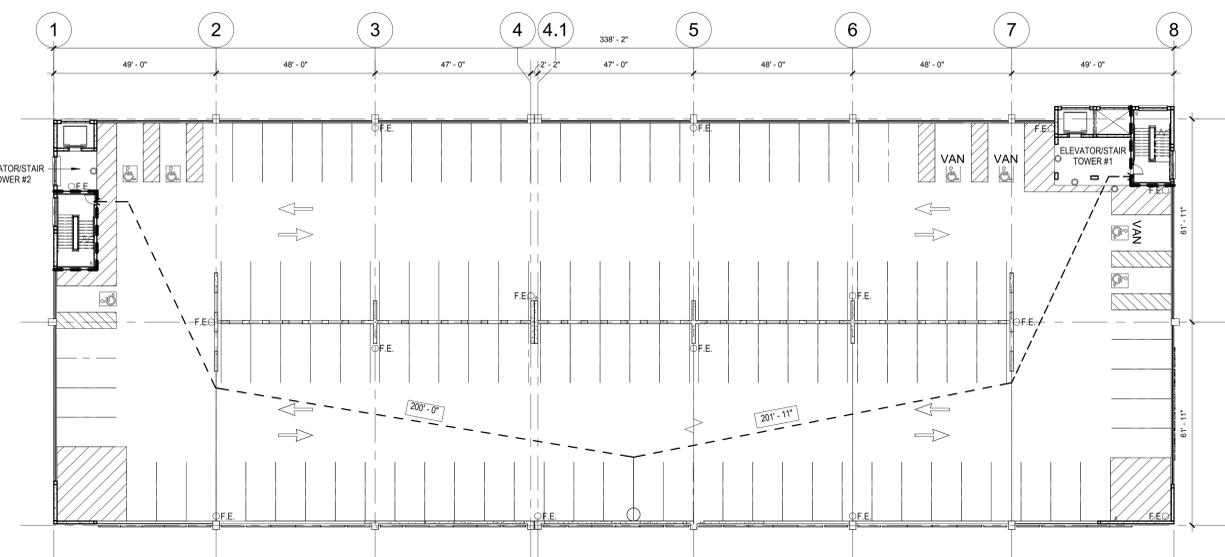


03 THIRD TIER TRAVEL DISTANCE PLAN
3/64" = 1'-0"

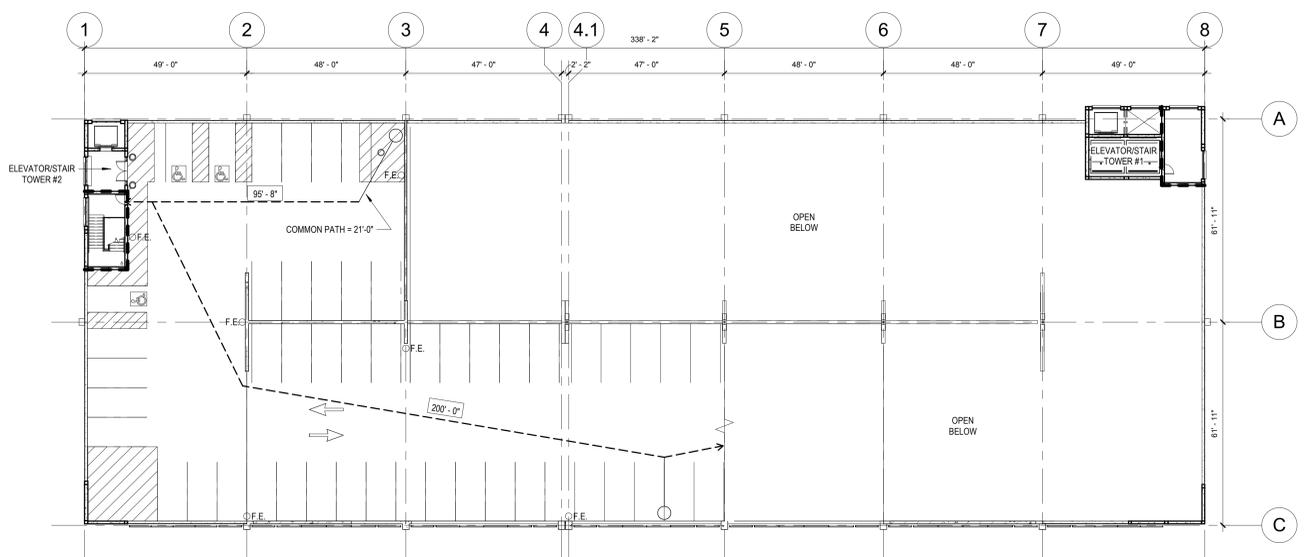
PLAN LEGEND

- 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"

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:	
ARCHITECT Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210	PARKING CONSULTANT Tim Haahs & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422
STRUCTURAL ENGINEER Tim Haahs & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	MEP ENGINEER DCS Infrastructure, Inc. 3240 Route 112, Suite 1B Medford, NY 11763
COST ESTIMATOR DMS Construction Consulting Services, Inc. 5500 Sherrill Place, Suite 300 Columbia, MD 21044	CIVIL ENGINEER KCI Technologies, Inc. 936 Rodgershook Road Sparks, MD 21152

SEAL:

ARCHITECT/ENGINEERS:

Melville Thomas Architects, Inc.
ARCHITECTURE & PLANNING

TimHaahs

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Drawing Title CODE ANALYSIS - TRAVEL DISTANCE
Approved: Project Director

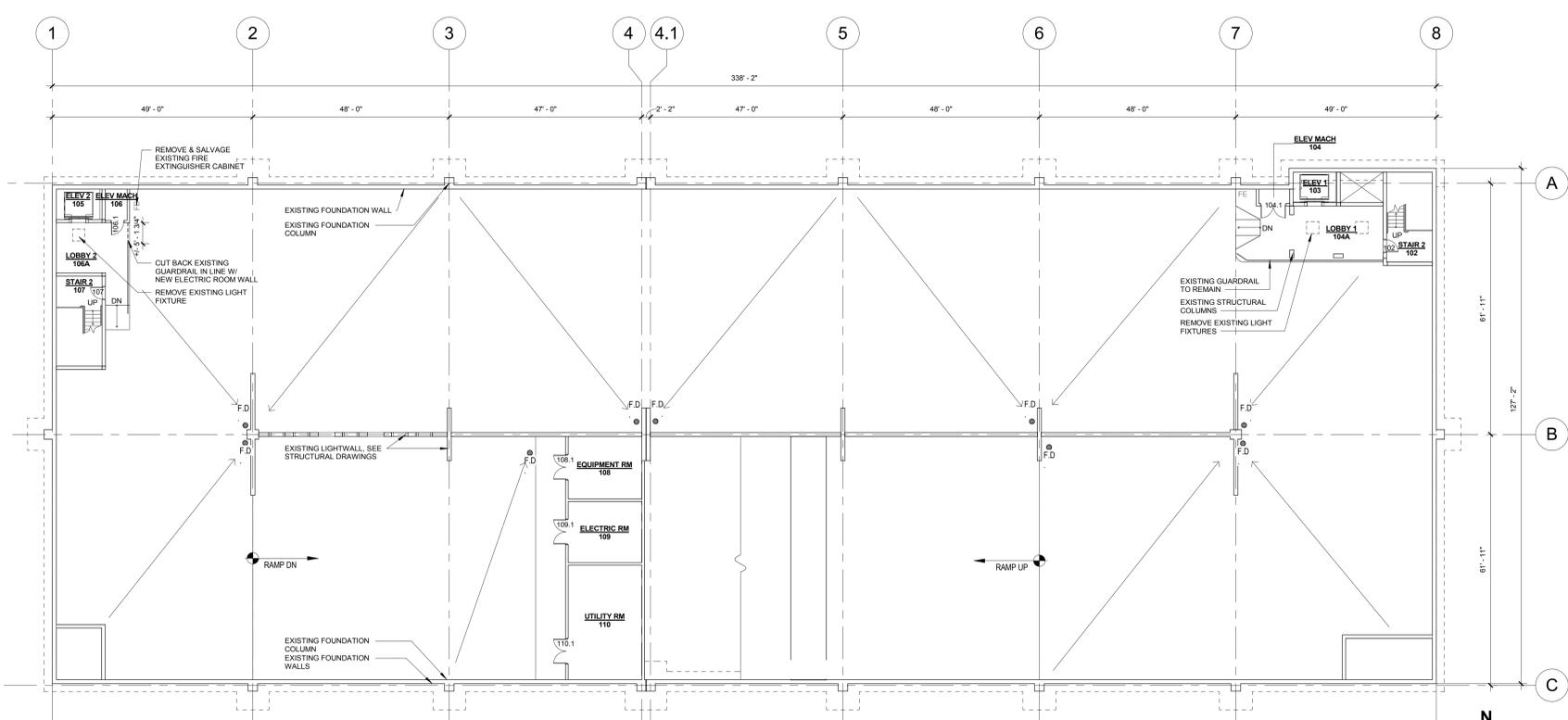
Project Title VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE I	Project Number 688-345
Location 50 IRVING ST. N.W. WASHINGTON, D.C.	Building Number 15
Date 04/30/17	Checked NCA
Drawn MRC	Drawing Number A0.2
Dwg. 14 of 95	

Office of
Construction
and Facilities
Management

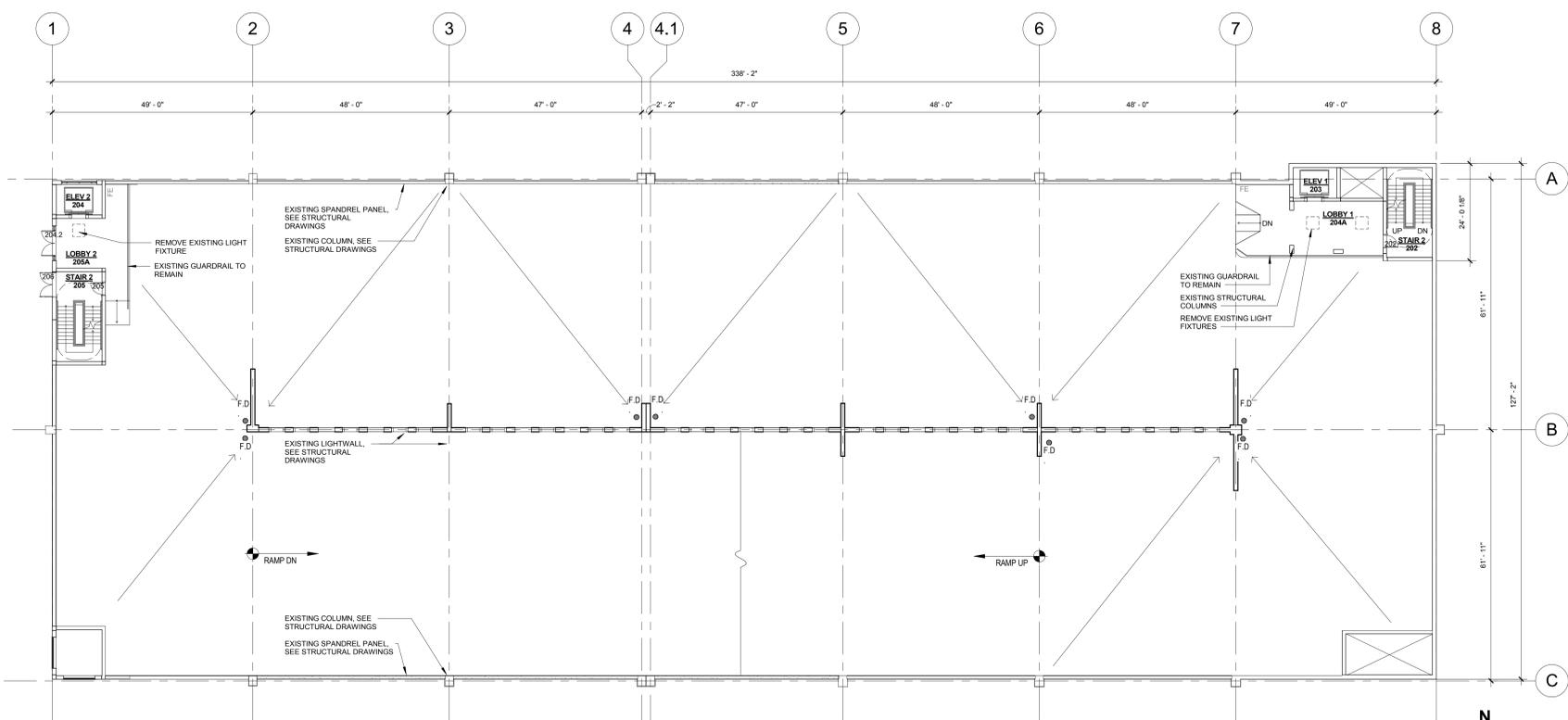
Department of
Veterans Affairs

3/64" = 1'-0"

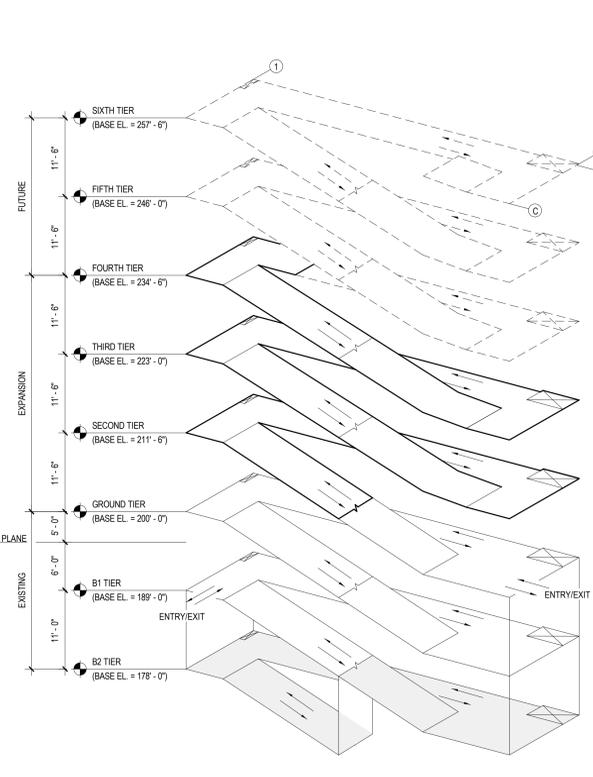
three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



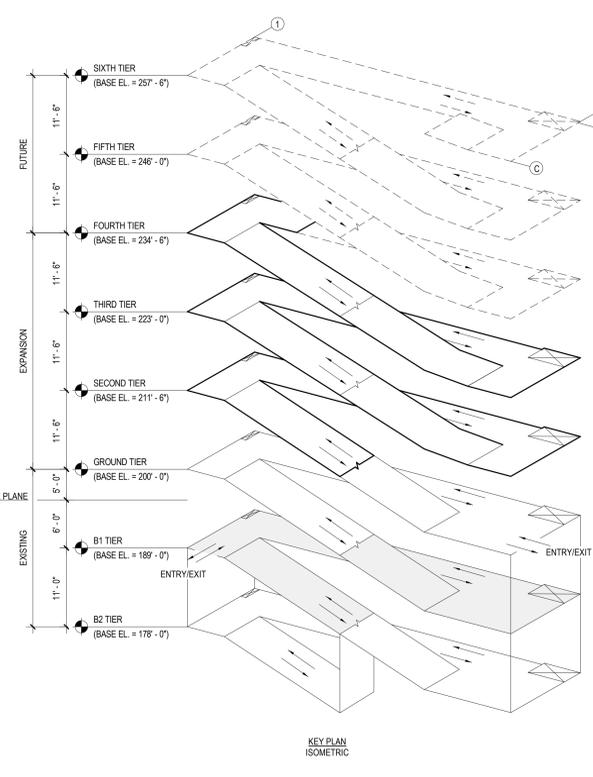
1 B2 TIER PLAN - EXISTING
 1/16" = 1'-0"



2 B1 TIER PLAN - EXISTING
 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) 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, 08A2.2 and 02E2.4. 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 CG6.0.
 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. Spotlights 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 lock/switches 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 06LP7.1.
- 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 06S3.3.
- 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 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). Show 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

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

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

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STRUCTURAL ENGINEER Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	MEP ENGINEER DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763	CIVIL ENGINEER KCI Technologies, Inc. 598 Roggenbuck Road Sparks, MD 21152

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Drawing Title
 B2 & B1 TIER PLANS - EXISTING & DEMOLITION

Approved: Project Director

Project Title
 VA MEDICAL CENTER
 EXPAND VISITOR/PATIENT
 PARKING GARAGE - PHASE 1

Project Number
 688-345

Building Number
 15

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

Date
 04/30/17

Checked
 [Signature]

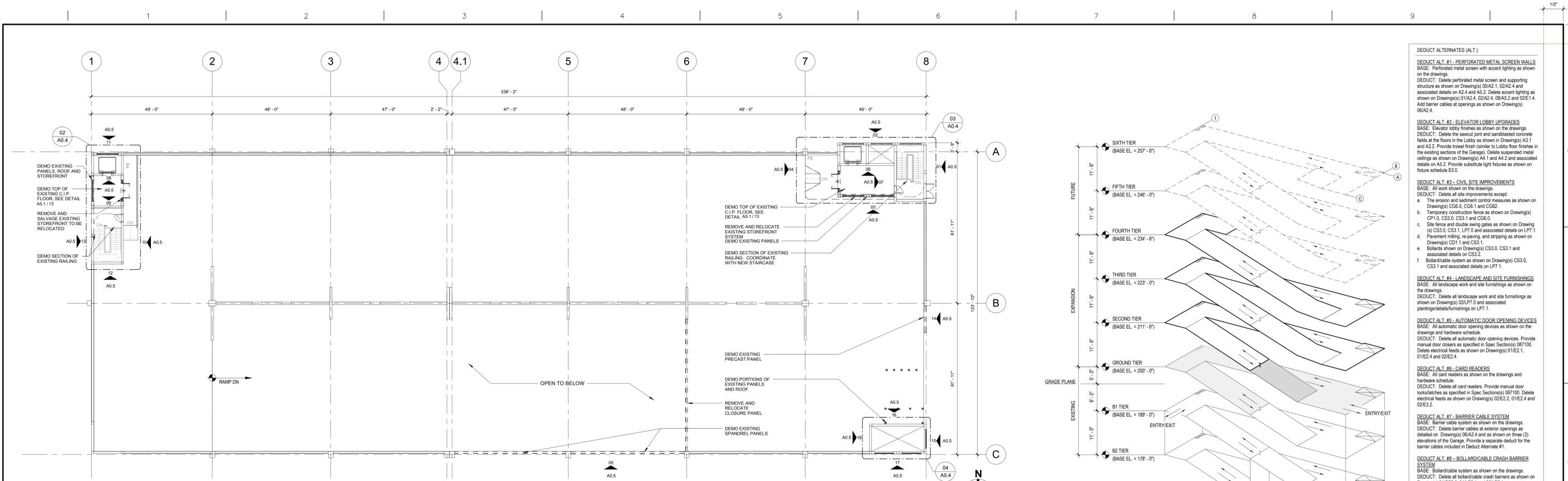
Drawn
 [Signature]

Drawing Number
 A0.3

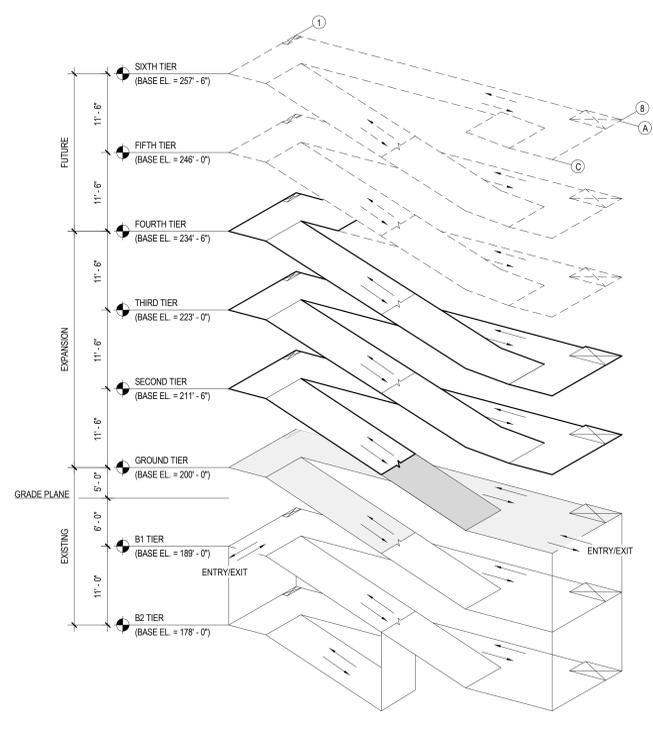
Dwg. 15 of 95

Office of Construction and Facilities Management

Department of Veterans Affairs

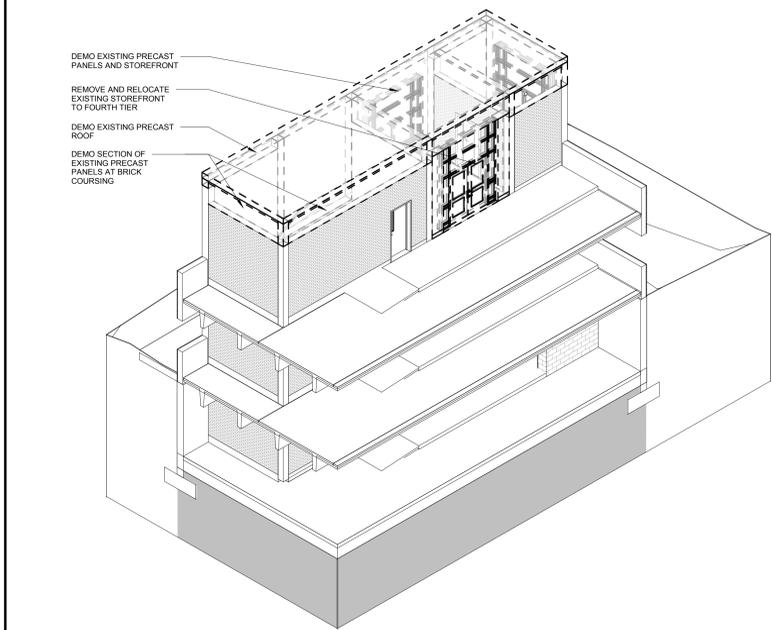


01 GROUND TIER PLAN - EXISTING & DEMOLITION
1/16" = 1'-0"

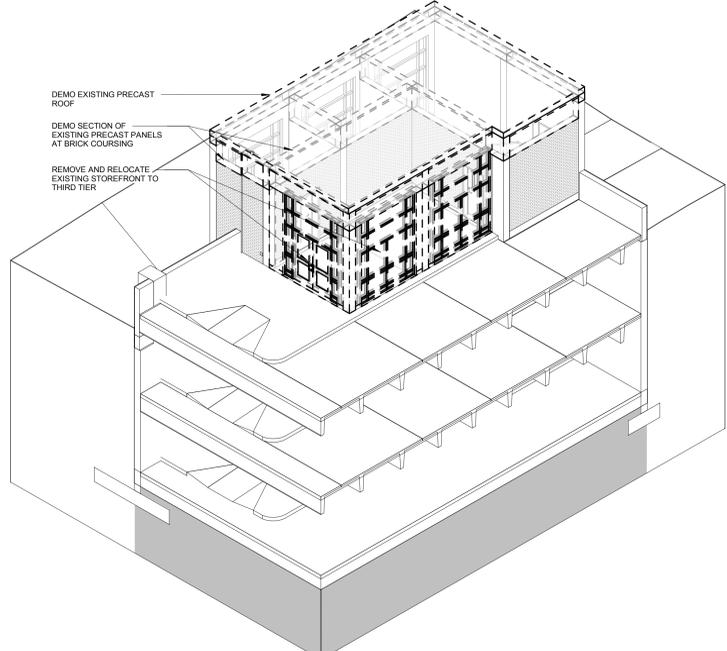


KEY PLAN ISOMETRIC

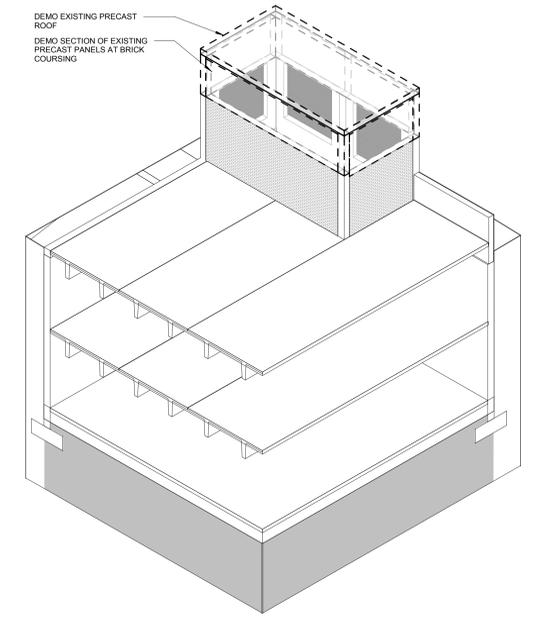
- DEDUCT ALTERNATES (ALT.)**
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**
 BASE: Perforated metal screen with accent lighting as shown on the drawings.
 DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05A2.1, 02A2.4 and associated details on A2.4 and A2.5. 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 sawed 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 finish in the existing sections of the Garage). Delete suspended metal ceilings as shown on Drawing(s) A1.1 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) 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) 02LPT.0 and associated details on LPT.1.
 DEDUCT: Delete all site improvements except:
 a. Temporary construction fence as shown on Drawing(s) CP1.0, CS3.0, CS3.1 and C06.0.
 b. Site fence and double swing gates as shown on Drawing (s) CS3.0, CS3.1, LPT.0 and associated details on LPT.1.
 c. Pavement milling, re-paving, and stripping as shown on Drawing(s) CD1.1 and CS3.1.
 d. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.2.
 e. Bollard/cable system as shown on Drawing(s) CS3.0, CS3.1 and associated details 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) 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 lock/latches as specified in Spec Section(s) 087100. 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, 04LPT.1 and 05LPT.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 06LPT.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**
 BASE: All cable type barrier fencing as shown on the drawings.
 DEDUCT: Delete chain link barrier fencing as shown on Drawing(s) 02.1 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 E3.0 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, 03E2.2 and 01E2.3.
- 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). Slice 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, 08A2.3, 04A2.2, 04A2.3, 01S1.5, 04S1.8, S1.9, 02M1.3, 02P1.3, 03FP1.3, 02E1.6, 02E2.4 and 02E3.4.



02 ELEVATOR/STAIR TOWER #2 AXONOMETRIC - DEMOLITION
NOT TO SCALE



03 ELEVATOR/STAIR TOWER #1 AXONOMETRIC - DEMOLITION
NOT TO SCALE



04 VENTILATION TOWER AXONOMETRIC - DEMOLITION
NOT TO SCALE

PLAN LEGEND

[Solid line]	EXISTING WALL TO REMAIN
[Dashed line]	EXISTING WALL TO BE DEMOLISHED
[Thin solid line]	NEW INTERIOR WALL
[Arrow]	FLOOR SLOPE: SEE STRUCTURAL
[Circle with dot]	PIPE BOLLARD, SEE DETAIL 02A1.3
[Circle]	PIC BOLLARD, SEE DETAIL 03A1.3
[Circle with cross]	FLOOR DRAIN, SEE STRUCTURAL
[FE]	FIRE EXTINGUISHER
[FE]	EXISTING FIRE EXTINGUISHER

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

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Drawing Title
GROUND TIER PLAN - EXISTING & DEMOLITION

Approved: Project Director

Project Title
**VA MEDICAL CENTER
EXPAND VISITOR/PATIENT
PARKING GARAGE - PHASE 1**

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

Date
04/30/17

Checked
GT

Drawn
MC

Project Number
688-345

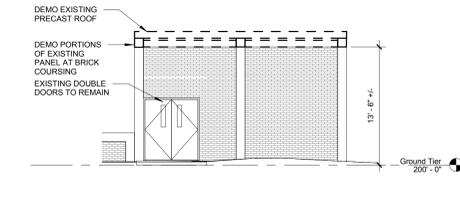
Building Number
15

Drawing Number
A0.4

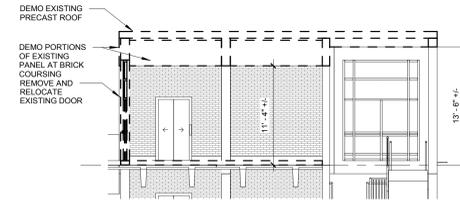
Dwg. 16 of 95

Office of
Construction
and Facilities
Management

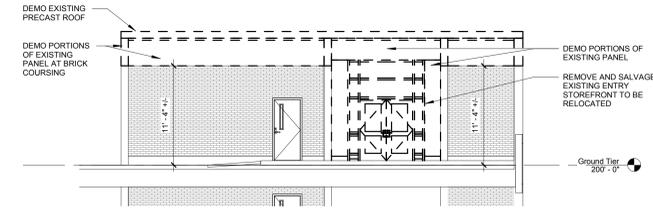
Department of
Veterans Affairs



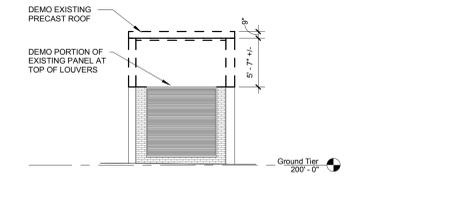
01 ELEVATOR/STAIR #1 EAST ELEVATION
1/8" = 1'-0"



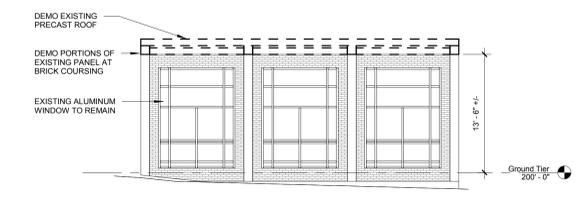
06 LOBBY #1 NORTH ELEVATION
1/8" = 1'-0"



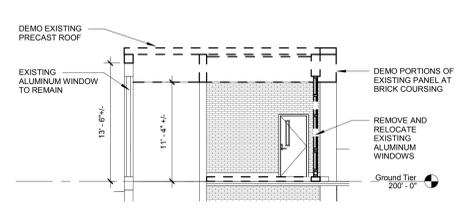
10 ELEVATOR/STAIR TOWER #2 EAST ELEVATION
1/8" = 1'-0"



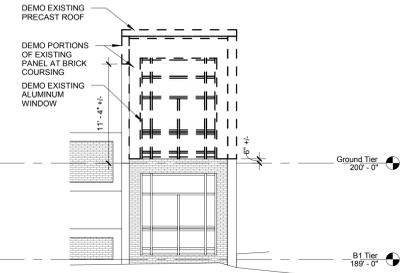
15 VENTILATION TOWER EAST ELEVATION
1/8" = 1'-0"



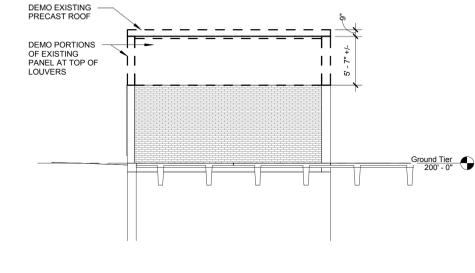
02 ELEVATOR/STAIR TOWER #1 NORTH ELEVATION
1/8" = 1'-0"



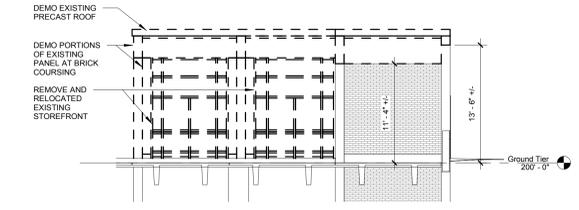
07 LOBBY #1 EAST ELEVATION
1/8" = 1'-0"



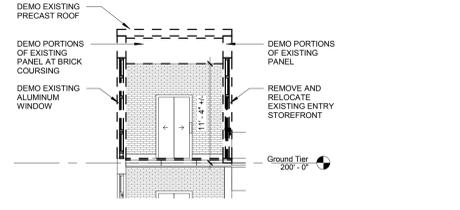
11 ELEVATOR/STAIR TOWER #2 NORTH ELEVATION
1/8" = 1'-0"



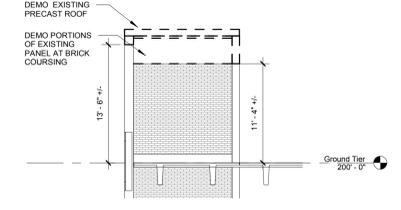
16 VENTILATION TOWER NORTH ELEVATION
1/8" = 1'-0"



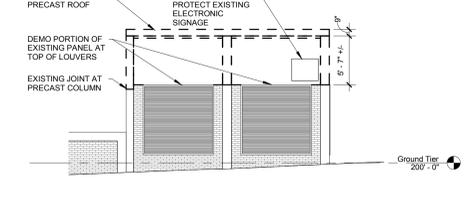
03 ELEVATOR/STAIR TOWER #1 SOUTH ELEVATION
1/8" = 1'-0"



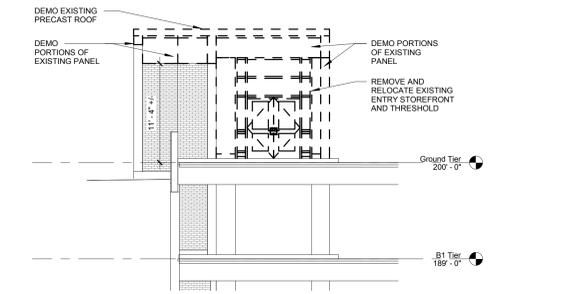
08 LOBBY #2 NORTH ELEVATION
1/8" = 1'-0"



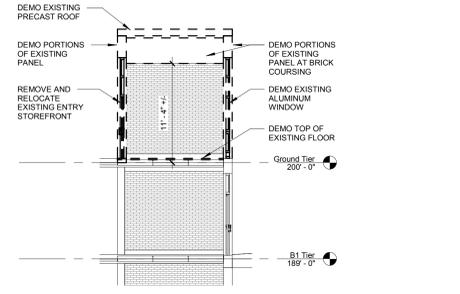
12 ELEVATOR/STAIR TOWER #2 SOUTH ELEVATION
1/8" = 1'-0"



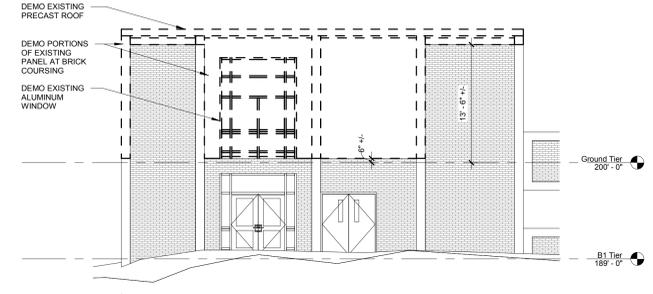
17 VENTILATION TOWER SOUTH ELEVATION
1/8" = 1'-0"



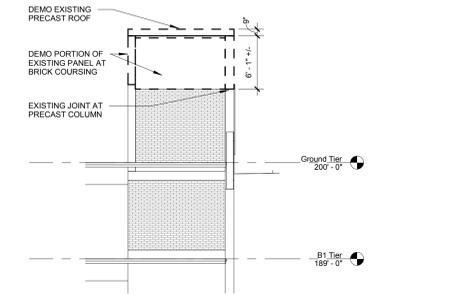
04 ELEVATOR/STAIR TOWER #1 WEST ELEVATION
1/8" = 1'-0"



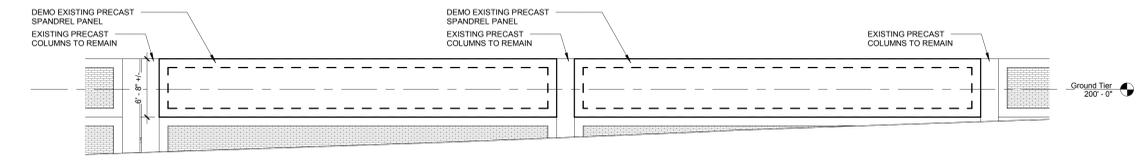
09 LOBBY #2 SOUTH ELEVATION
1/8" = 1'-0"



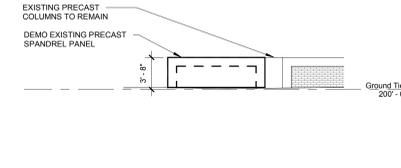
13 ELEVATOR/STAIR TOWER #2 WEST ELEVATION
1/8" = 1'-0"



18 VENTILATION TOWER WEST ELEVATION
1/8" = 1'-0"



05 SPANDREL PANEL SOUTH ELEVATION
1/8" = 1'-0"



14 SPANDREL PANEL EAST ELEVATION
1/8" = 1'-0"

LINE TYPE LEGEND

---	EXISTING CONDITIONS
- - -	DEMOLITION

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
Revisions:		Date

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SEAL:

ARCHITECT/ENGINEERS:

Melville Thomas Architects, Inc.
ARCHITECTURE & PLANNING



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Drawing Title
DEMOLITION ELEVATIONS

Approved: Project Director

Project Title
VA MEDICAL CENTER
EXPAND VISITOR/PATIENT
PARKING GARAGE - PHASE 1

Project Number
688-345

Building Number
15

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

Date
04/30/17

Checked
GT

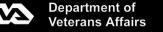
Drawn
MC

Drawing Number
A0.5

Dwg. 17 of 95

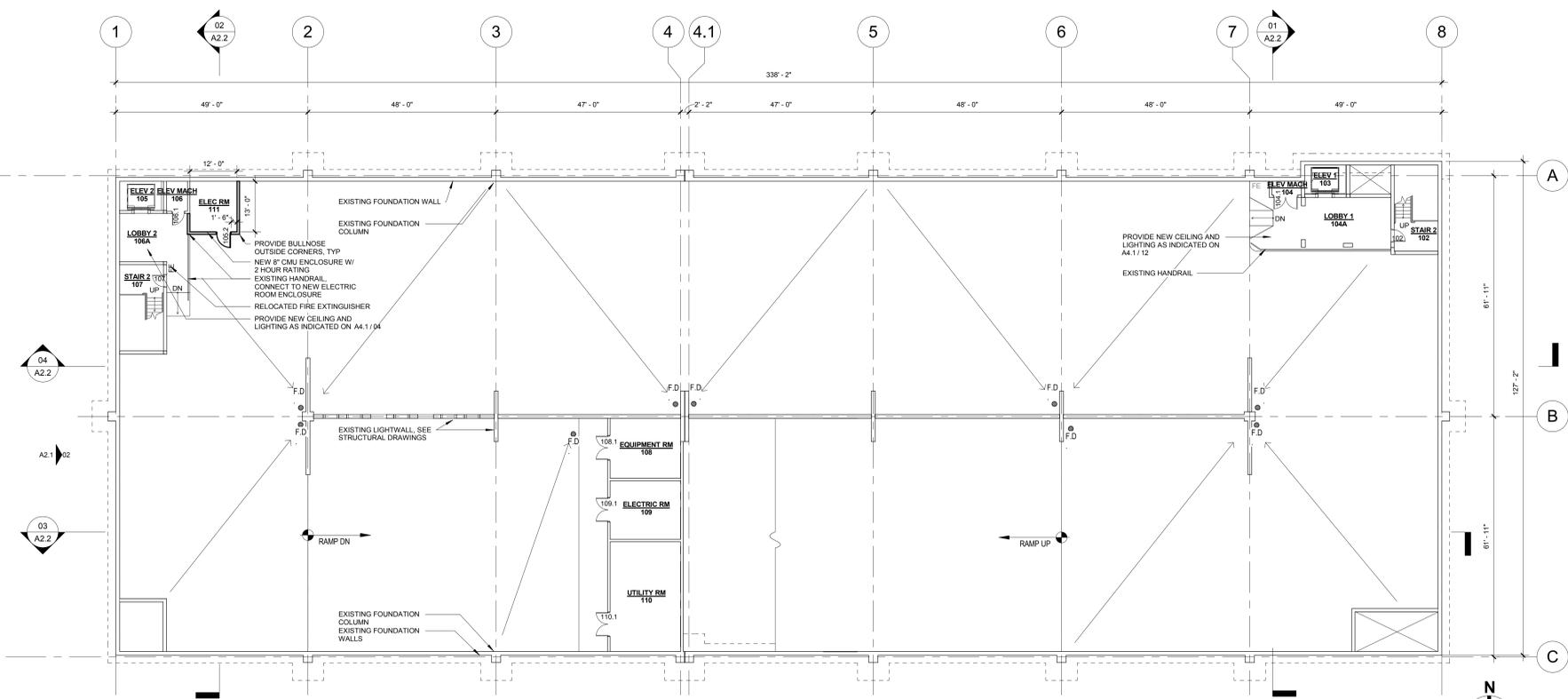
As indicated

Office of Construction and Facilities Management

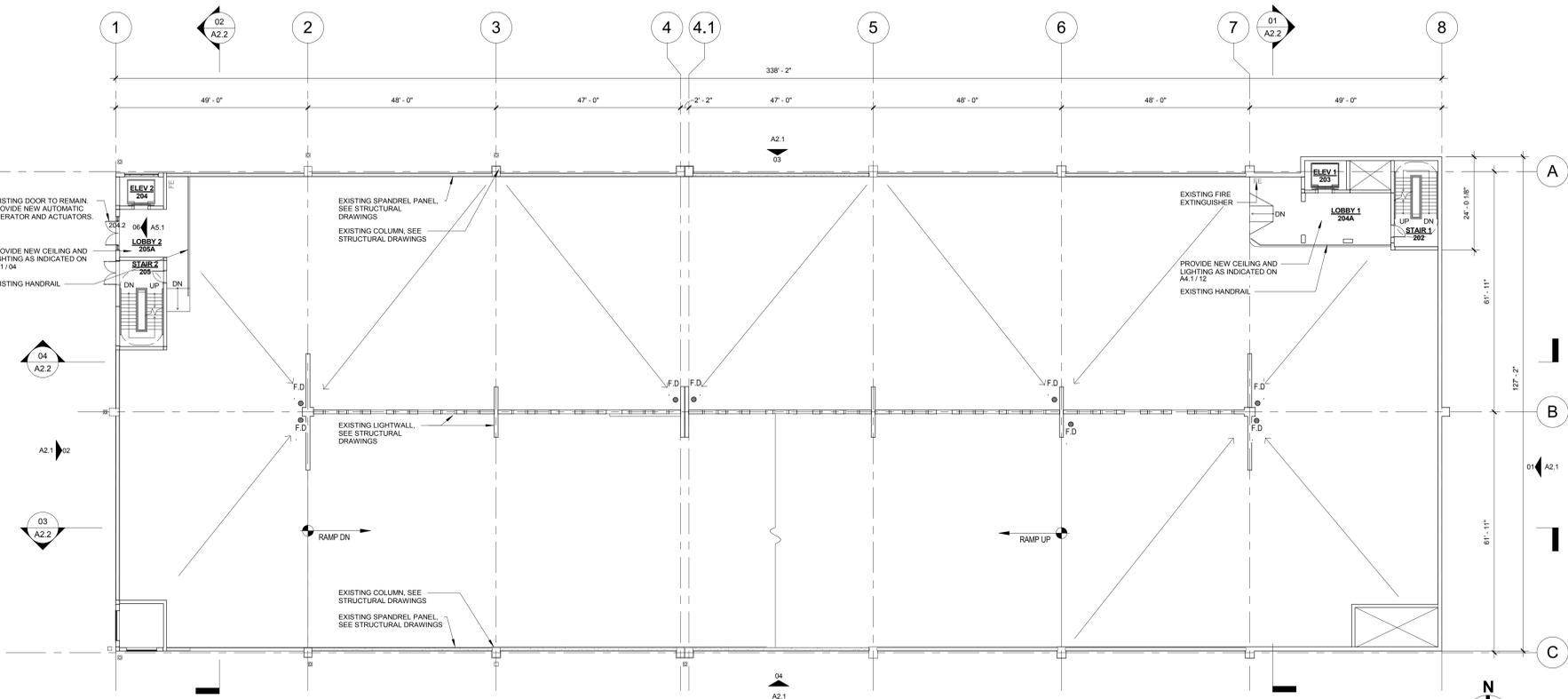


Department of Veterans Affairs

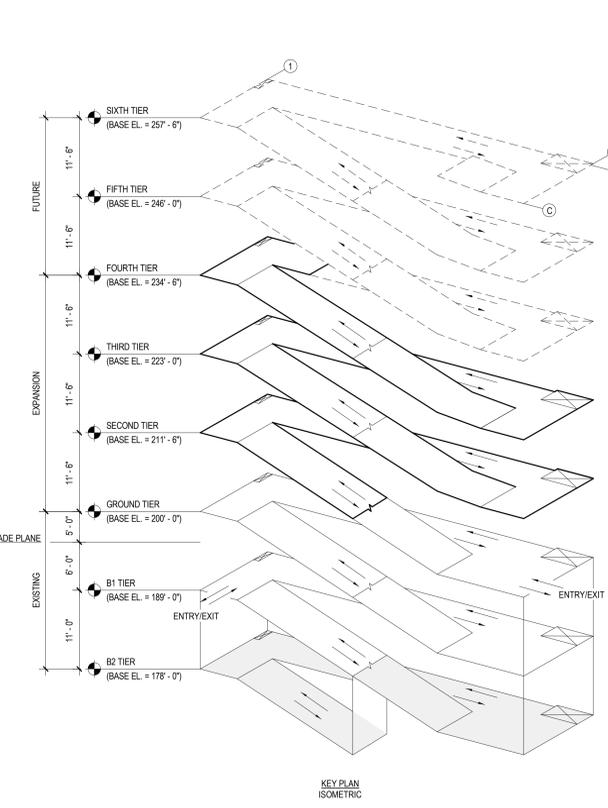
three eighths inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one half inch = one foot
 one inch = one foot
 one and one half inches = one foot
 three inches = one foot



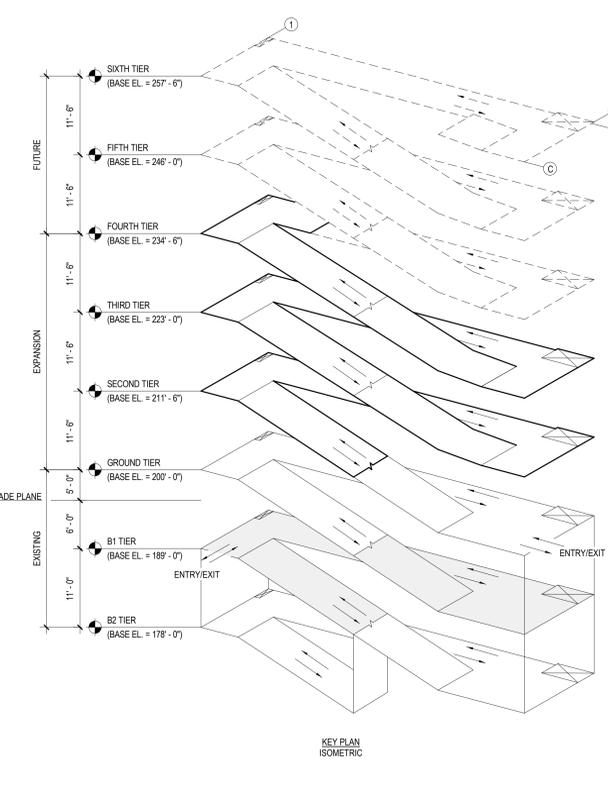
01 B2 TIER PLAN - NEW WORK
1/16" = 1'-0"



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 perforated metal screen and supporting structure as shown on Drawing(s) 05A2.1, 02A2.4 and associated details on A2.4 and A5.2. Delete accent lighting as shown on Drawing(s) 01A2.4, 02A2.4, 05A2.2 and 02E.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 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 striping 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) 02LP7.0 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) 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 lockcylinders as specified in Spec Section(s) 087100. 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) 05A2.4 and as shown on three (3) elevations of the Garage. Provide a separate deduct for the barrier cables included in Deduct Alternates #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: Delete all interior garage barrier fencing as shown on Drawing(s) 02.1 and 06S3.3.

DEDUCT ALT. #11 - SECURITY CAMERAS
 BASE: Security cameras as shown on the drawings.
 DEDUCT: Delete security cameras and accessories (conduit, 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.

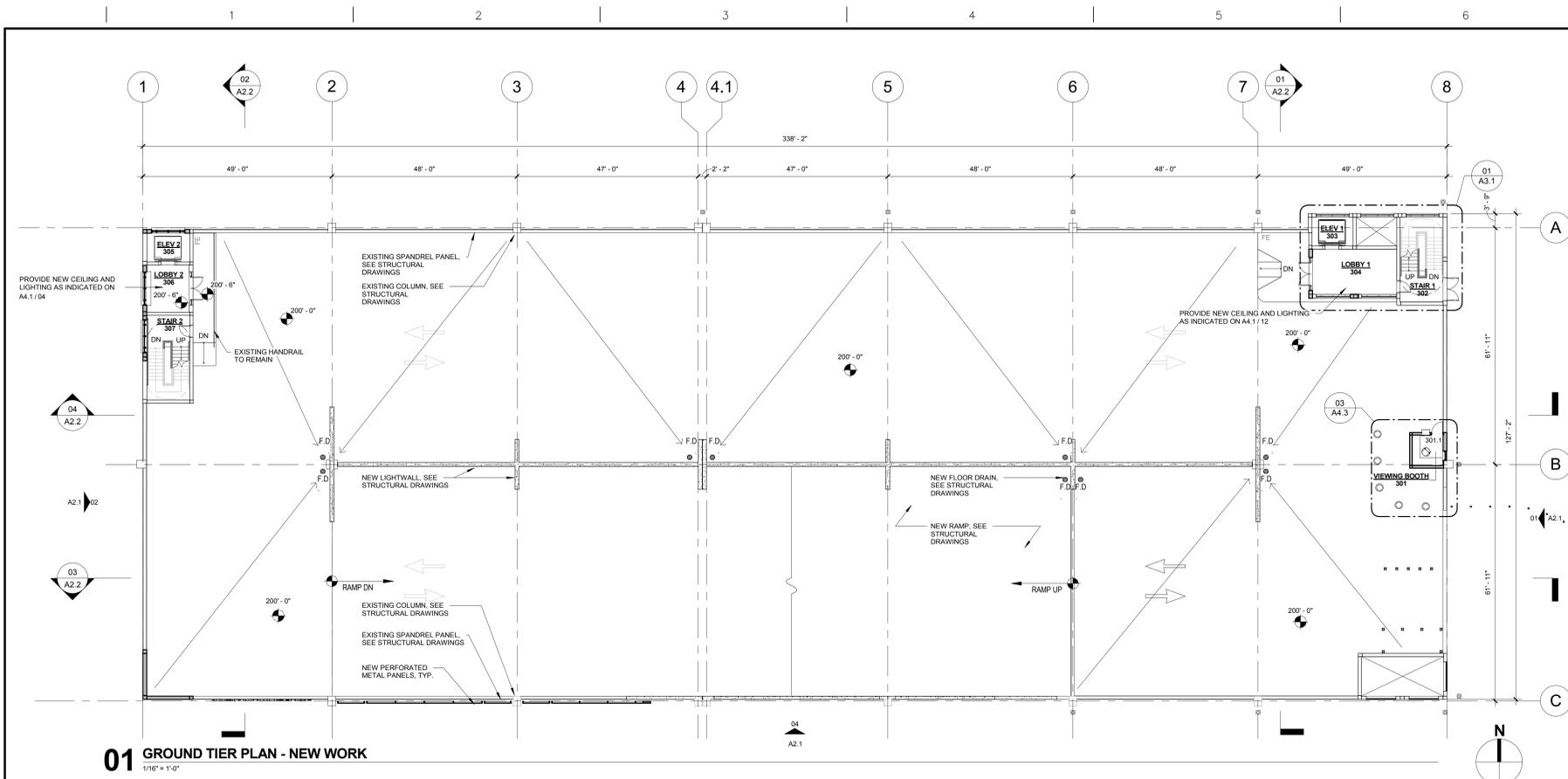
DEDUCT ALT. #13 - VIEWING BOOTH
 BASE: Viewing booth as shown on the drawings.
 DEDUCT: Delete viewing booth and accessories as shown on Drawing(s) A4.3, 02E1.4, 03E2.2 and 01E2.3.

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 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, 05A2.3, 05A2.3, 04A2.2, 04A2.3, 01E3.1, 04E3.1, 04E3.1, 02M1.3, 02P1.3, 03FP1.3, 02E1.6, 02E2.4 and 02E3.4.

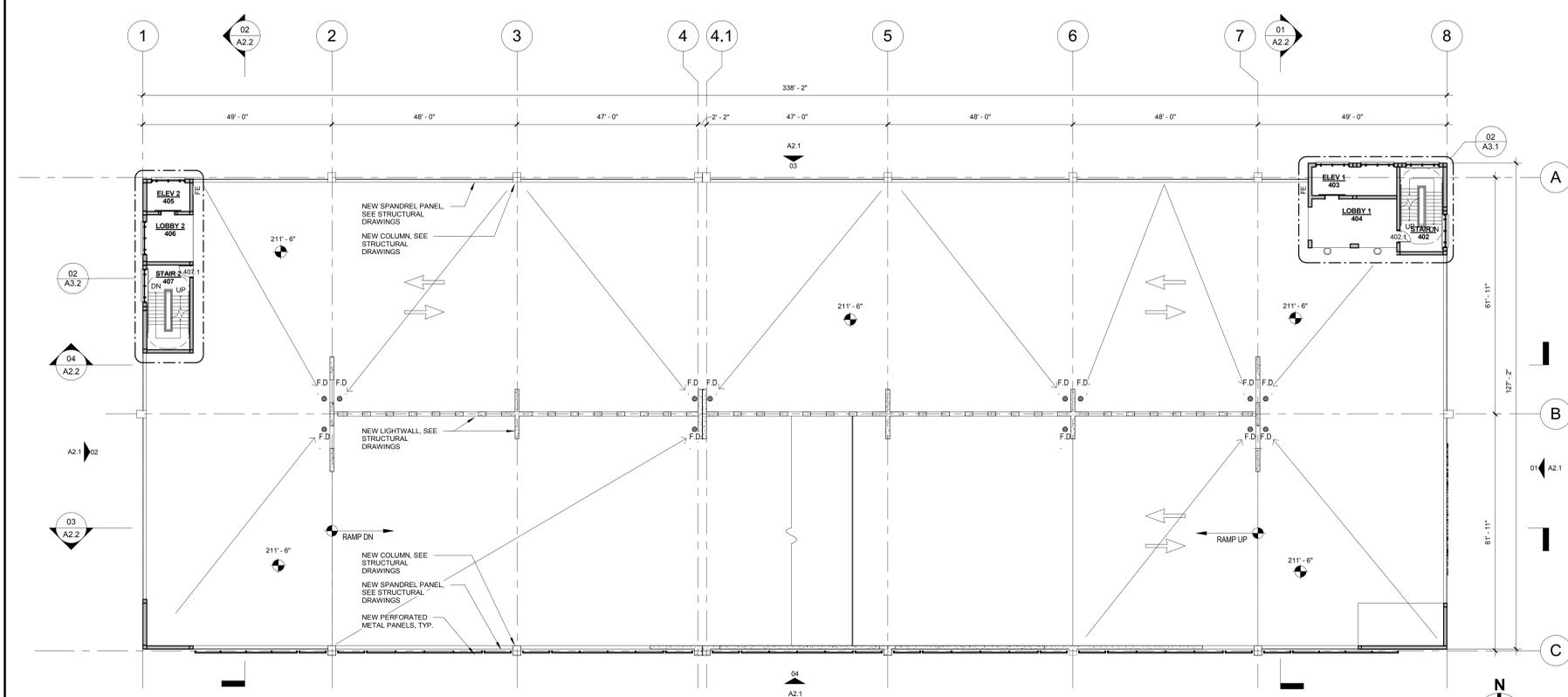
PLAN LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- NEW INTERIOR WALL
- FLOOR SLOPE, SEE STRUCTURAL
- PIPE BOLLARD, SEE DETAIL 02A1.3
- P/C BOLLARD, SEE DETAIL 03A1.3
- FLOOR DRAIN, SEE STRUCTURAL
- FIRE EXTINGUISHER
- EXISTING FIRE EXTINGUISHER

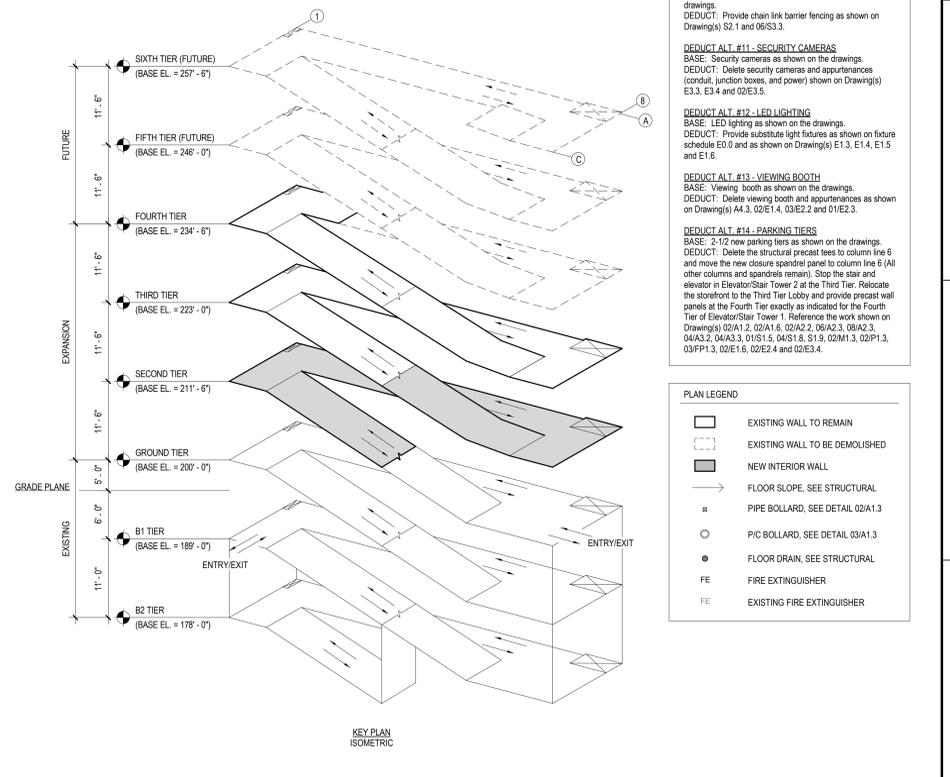
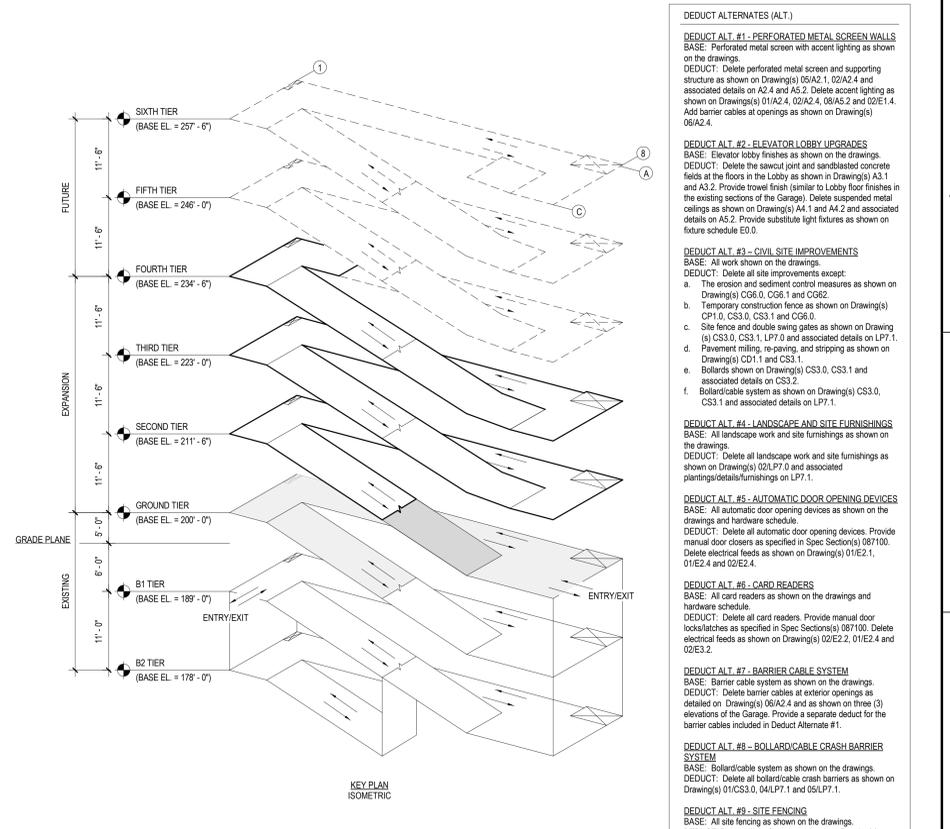
<p>Revisions:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">6</td> <td style="width: 75%;">100% Submission</td> <td style="width: 20%;">04/28/17</td> </tr> <tr> <td>5</td> <td>95% Submission</td> <td>03/31/17</td> </tr> <tr> <td>4</td> <td>100% Submission</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> </table>	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	<p>CONSULTANTS:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> <p>ARCHITECT Melville Thomas Architects, Inc. 650 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210</p> </td> <td style="width: 33%;"> <p>PARKING CONSULTANT Tim Haas & Associates, Inc. 550 Starnett Lane Road, Suite 100 Blue Bell, PA 19422</p> </td> <td style="width: 33%;"> <p>COST ESTIMATOR DMS Construction Consulting Services, Inc. 550 Starnett Lane Road, Suite 300 Columbia, MD 21210</p> </td> </tr> <tr> <td> <p>STRUCTURAL ENGINEER Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422</p> </td> <td> <p>MEP ENGINEER DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763</p> </td> <td> <p>CIVIL ENGINEER KCI Technologies, Inc. 598 Roggenbuck Road Sparks, MD 21152</p> </td> </tr> </table>	<p>ARCHITECT Melville Thomas Architects, Inc. 650 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210</p>	<p>PARKING CONSULTANT Tim Haas & Associates, Inc. 550 Starnett Lane Road, Suite 100 Blue Bell, PA 19422</p>	<p>COST ESTIMATOR DMS Construction Consulting Services, Inc. 550 Starnett Lane Road, Suite 300 Columbia, MD 21210</p>	<p>STRUCTURAL ENGINEER Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422</p>	<p>MEP ENGINEER DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763</p>	<p>CIVIL ENGINEER KCI Technologies, Inc. 598 Roggenbuck Road Sparks, MD 21152</p>	<p>SEAL:</p>	<p>ARCHITECT/ENGINEERS:</p> <p>Melville Thomas Architects, Inc. ARCHITECTURE & PLANNING</p> <p style="text-align: center;"></p> <p style="font-size: small; text-align: center;">400 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4400 F: 410.433.4719 www.mtarx.com</p>	<p>Drawing Title B2 & B1 TIER PLANS - NEW WORK</p> <p>Approved: Project Director - - -</p>	<p>Project Title VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1</p> <p>Location 50 IRVING ST. N.W. WASHINGTON, D.C.</p> <p>Date 04/30/17</p> <p>Checked GT</p> <p>Drawn MC</p>	<p>Project Number 688-345</p> <p>Building Number 15</p> <p>Drawing Number A1.0</p> <p>Dwg. 18 of 95</p>	<p>Office of Construction and Facilities Management</p> <p style="font-size: small;">Department of Veterans Affairs</p>
6	100% Submission	04/28/17																													
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01 GROUND TIER PLAN - NEW WORK
1/16" = 1'-0"



02 SECOND TIER PLAN - NEW WORK
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) 05/A2.1, 02/A2.4 and associated details on A2.4 and A5.2. Delete accent lighting as shown on Drawing(s) 01/E2.4, 02/A2.4, 08/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 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, C03.0, C03.1 and C06.0.
c. Site fence and double swing gates as shown on Drawing (s) C03.0, C03.1, L07.0 and associated details on L07.1.
d. Pavement milling, re-paving, and stripping as shown on Drawing(s) C01.1 and C03.1.
e. Bollards shown on Drawing(s) C03.0, C03.1 and associated details on C03.2.
f. Bollard/cable system as shown on Drawing(s) C03.0, C03.1 and associated details on L07.1.
- 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/L07.0 and associated plantings/details/furnishings on L07.1.
- 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) 08100. 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/interlocks as specified in Spec Section(s) 08100. 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/C03.0, 04/L07.1 and 05/L07.1.
- 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/C03.0 and 08/L07.1.
- 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 appearances (condal, 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/E.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 lobby as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02/A1.2, 02/A1.5, 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, 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
 - FE FIRE EXTINGUISHER
 - EXISTING FIRE EXTINGUISHER

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
Revisions:		Date

CONSULTANTS:		
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STRUCTURAL ENGINEER Tim Haahs & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	MEP ENGINEER DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763	CIVIL ENGINEER KCI Technologies, Inc. 936 Roggenbuck Road Sparks, MD 21152

SEAL:

ARCHITECT/ENGINEERS:

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Drawing Title
GROUND & SECOND TIER PLANS - NEW WORK

Approved: Project Director

Project Title
**VA MEDICAL CENTER
EXPAND VISITOR/PATIENT
PARKING GARAGE - PHASE 1**

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

Date
04/30/17

Checked
GT

Drawn
MC

Project Number
688-345

Building Number
15

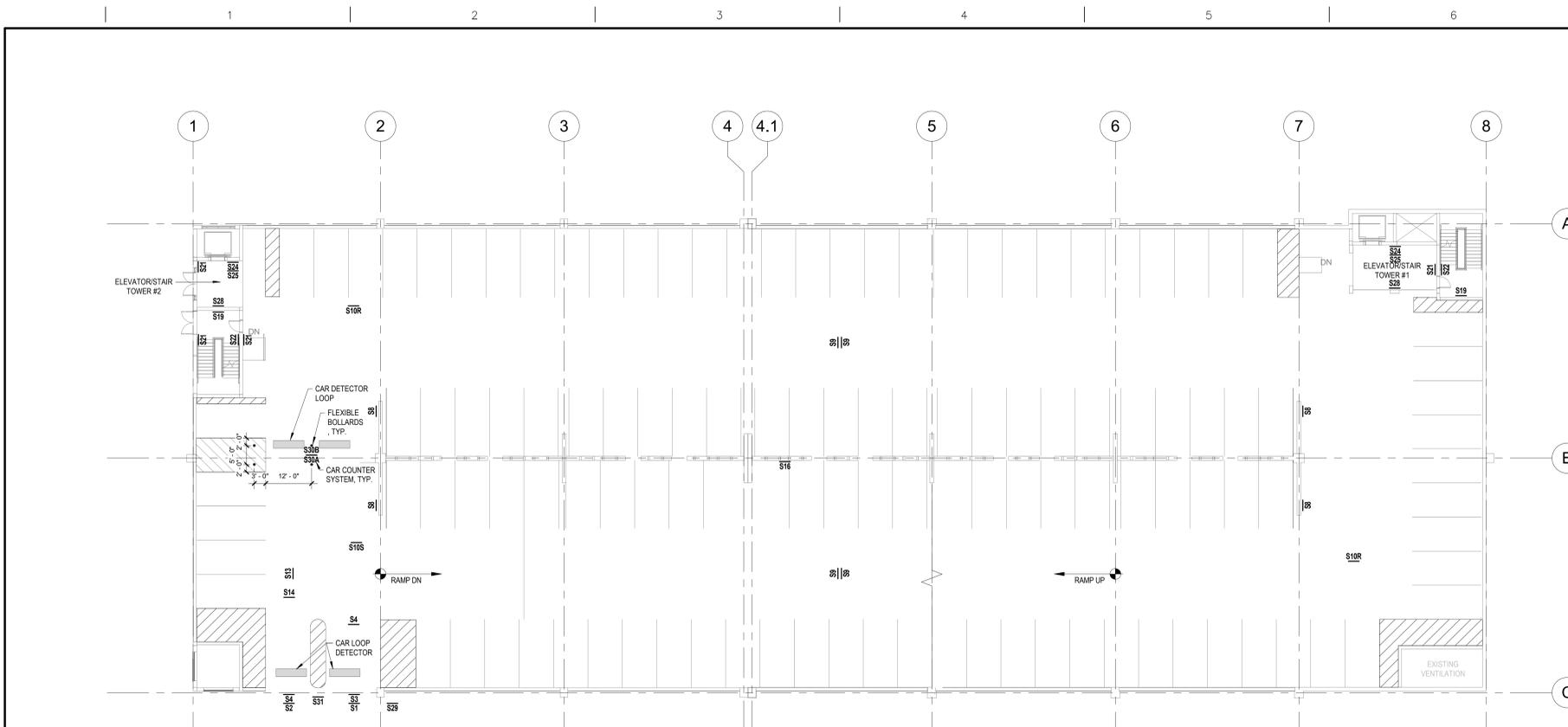
Drawing Number
A1.1

Dwg. 19 of 95

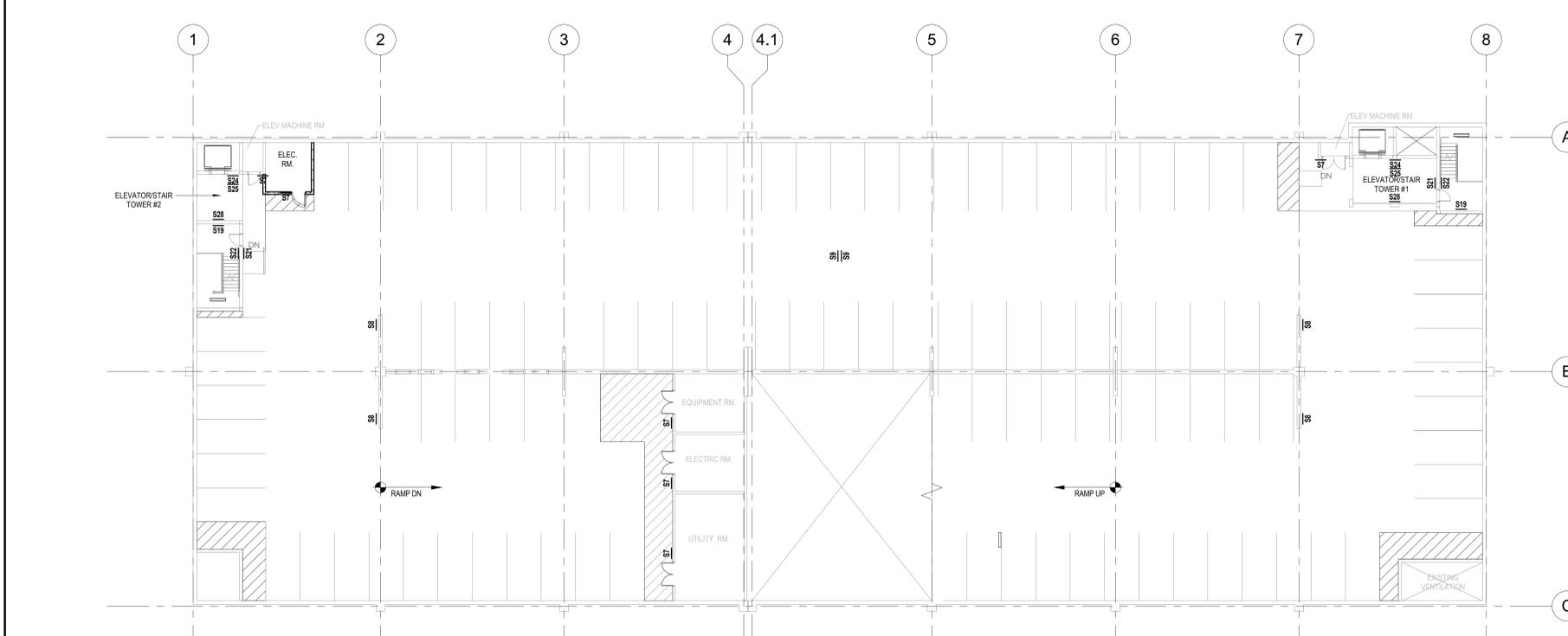
Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

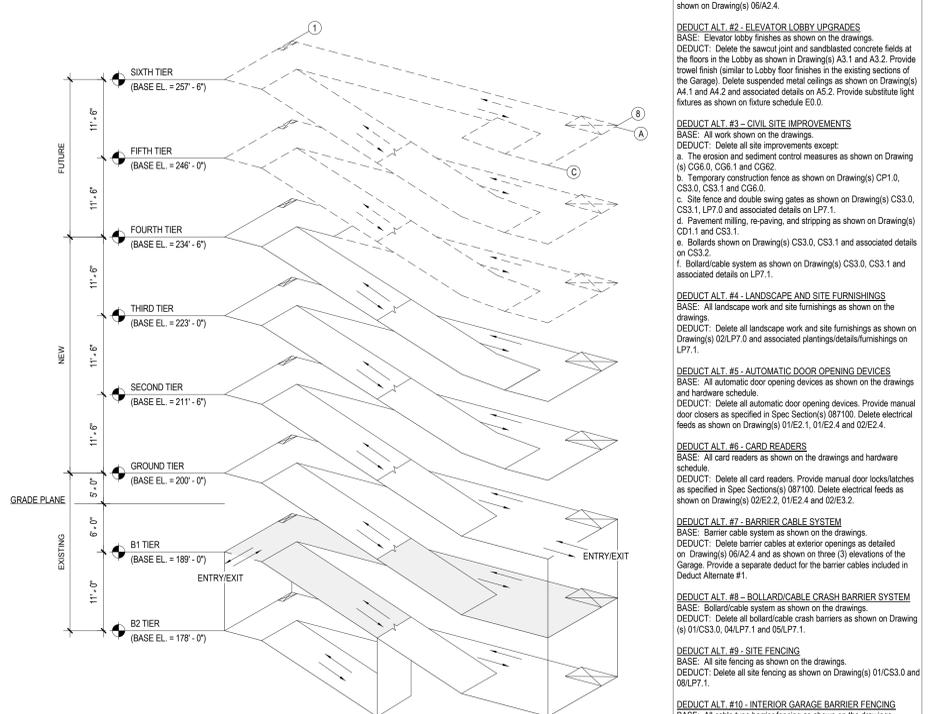
three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



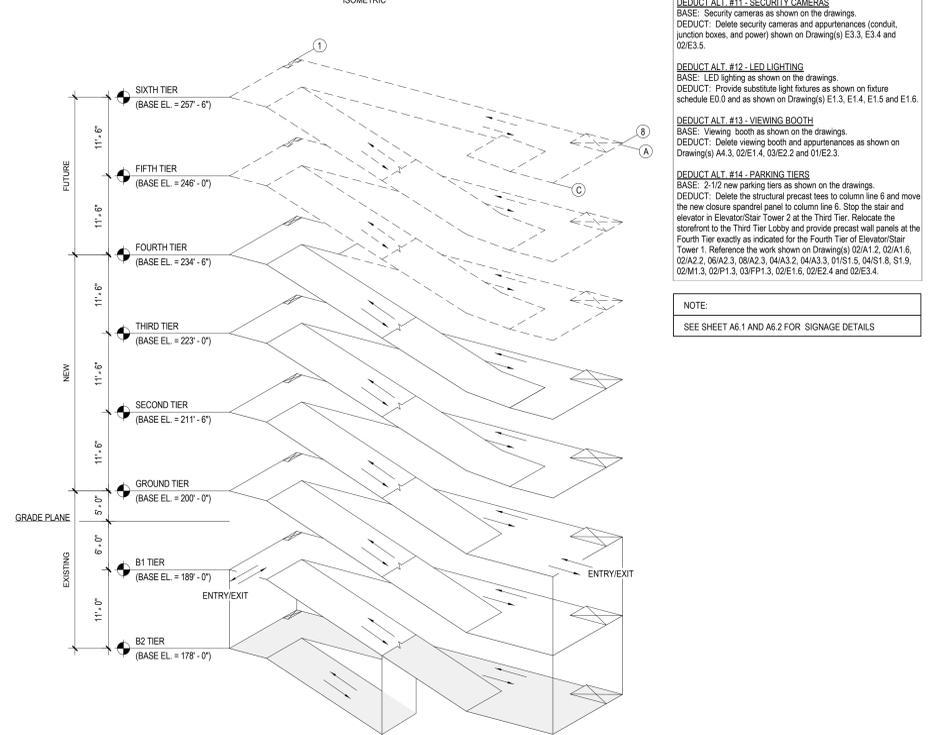
01 B1 EXISTING TIER
1/16" = 1'-0"



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



KEY PLAN ISOMETRIC

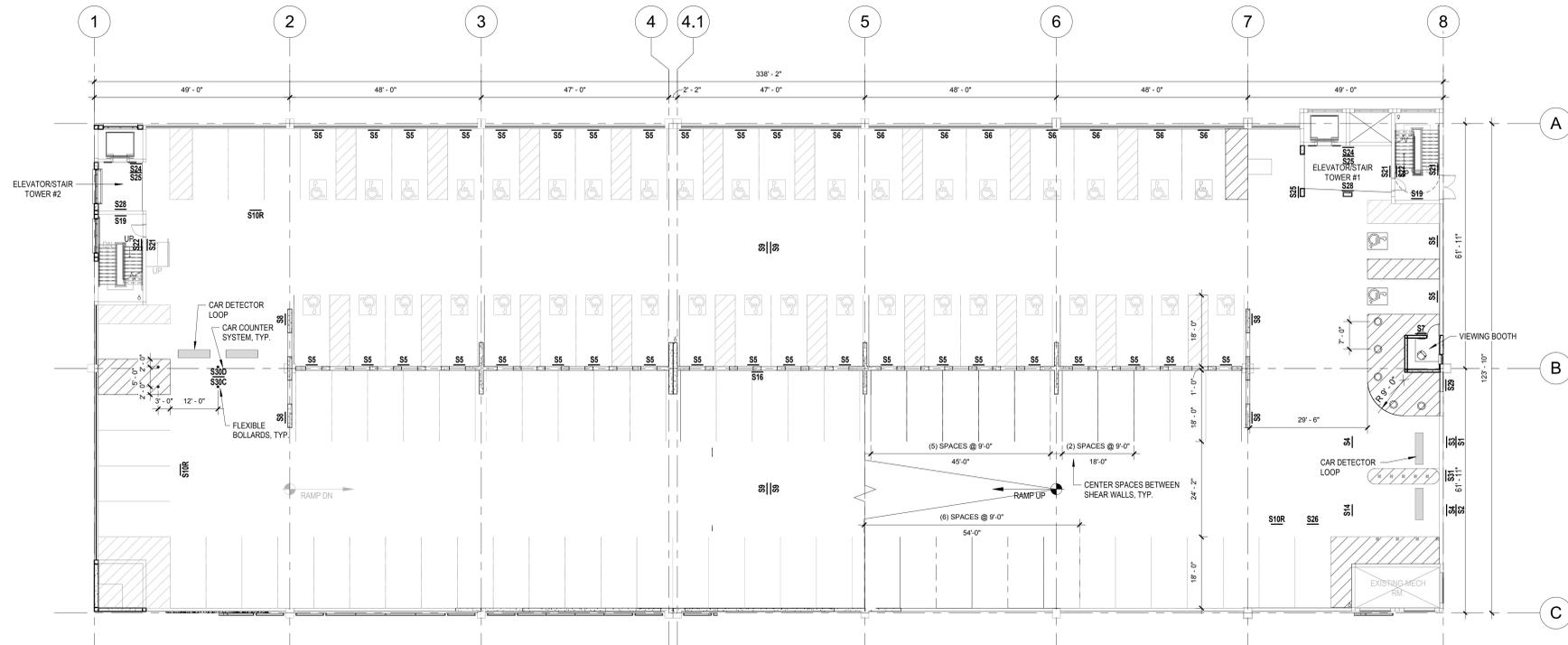


KEY PLAN ISOMETRIC

- 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) 02A2.1, 02A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01A2.4, 02A2.4, 02A2.2 and 02E1.4. Add banner 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 CG6.0.
 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) 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) 087100. 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) 01/CSS3.0, 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/CSS3.0 and 08/LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**
 BASE: All cable type barrier fencing as shown on the drawings.
 DEDUCT: Delete all barrier/cable crash barriers as shown on Drawing(s) S2.1 and 06S3.3.
- 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 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, 03E2.2 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. Stop the stair and elevator in Elevator/Stair Tower 2 at the Third Tier. Relocate the elevator in 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, 08A2.3, 04A3.2, 04A3.3, 01S1.5, 04S1.8, S1.9, 02M1.3, 03P1.3, 03P1.3, 02E1.6, 02E2.4 and 02E3.4.

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

CONSULTANTS: ARCHITECT Melville Thomas Architects, Inc. 600 Windhurst Avenue, Suite 315 Baltimore, MD 21210 STRUCTURAL ENGINEER Tim Haahs & Associates, Inc. 650 Township Line Road, Suite 100 Blue Bell, PA 19422		PARKING CONSULTANT Tim Haahs & Associates, Inc. 550 Sherman Avenue, Suite 100 Columbia, MD 21044 MEP ENGINEER DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763		COST ESTIMATOR DMS Construction Consulting Services, Inc. 550 Sherman Avenue, Suite 100 Columbia, MD 21044 CIVIL ENGINEER KCI Technologies, Inc. 936 Ridgebrook Road Sparks, MD 21152		SEAL:		ARCHITECT/ENGINEERS: Melville Thomas Architects, Inc. ARCHITECTURE & PLANNING 400 Windhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4600 F: 410.433.4719 www.mtarx.com		Drawing Title B2 & B1 TIER STRIPING PLANS - EXISTING & NEW WORK Approved: Project Director - - -		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 A1.3 Dwg. 21 of 95		As indicated Office of Construction and Facilities Management 	
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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

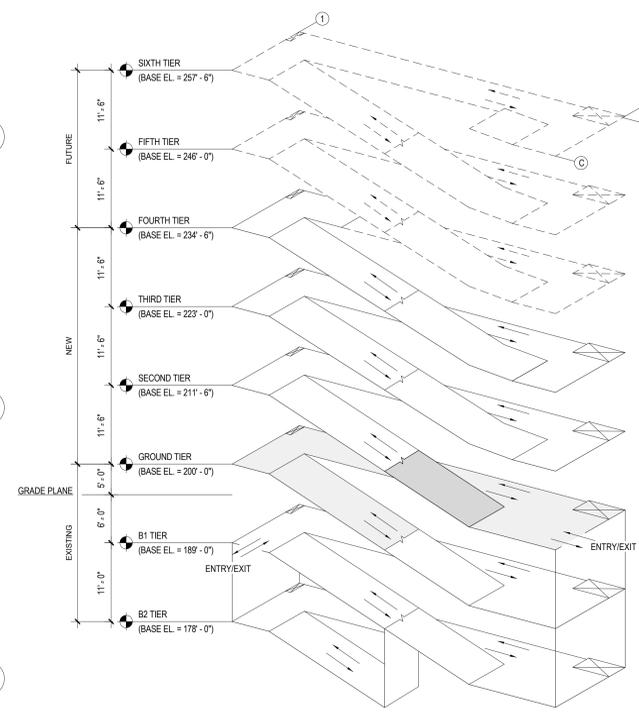
NOTE: GROUND LEVEL - THE (3) STANDARD AND (1) ACCESSIBLE SPACES ARE REMOVED TO ACCOMMODATE THE SECURITY BOOTH AREA
 B1 LEVEL - THE (1) ACCOUNTS FOR STRIPED AREA NEAR PARKING COUNT SYSTEM NEAR COLUMN LINE S2
 B2 LEVEL - THE (1) ACCOUNTS FOR THE LOSS OF 1 PARKING SPACE FOR RELOCATED ELECTRICAL ROOM.

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

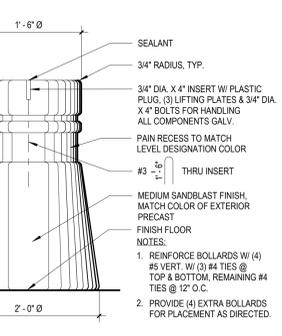
EXISTING & NEW CAR TABULATION (COMBINED)					
LEVEL	STANDARD	ACCESSIBLE	VAN ACCESSIBLE	TOTAL	
EXISTING	291	31	8	330	
NEW	292	15	3	310	
TOTAL	583	46	11	640	

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

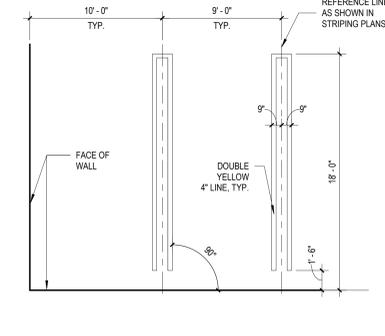


KEY PLAN ISOMETRIC

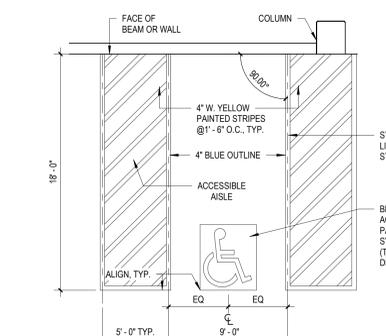
- DEDUCT ALTERNATES (ALT.)**
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**
 BASE: Perforated metal screen with accent lighting as shown on the drawings.
 DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 02A2.1, 02A2.4 and associated details on A2.4 and A2.2. Delete accent lighting as shown on Drawing(s) 01A2.4, 02A2.4, 02A2.2 and 02E1.4. Add banner cables at openings as shown on Drawing(s) 02A2.4.
- 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) 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 striping as shown on Drawing(s) CD1.1 and CS3.1.
 e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.1.
 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) 02LP7.0 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) 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) 087100. 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) 02A2.4 and as shown on three (3) elevations of the Garage. Provide a separate duct 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) 01VC3.0, 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) 01VC3.0 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) S2.1 and 06S3.3.
- 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 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, 03E2.2 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 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 ready as indicated for the Fourth Tier of Elevator/Stair Tower 1. Reference the work shown on Drawing(s) 02A1.2, 02A1.6, 02A2.2, 02A2.3, 02A2.3, 04A2.3, 04A2.3, 01S1.5, 04S1.8, S1.9, 02M1.3, 02P1.3, 03P1.3, 02E1.6, 02E2.4 and 02E3.4.



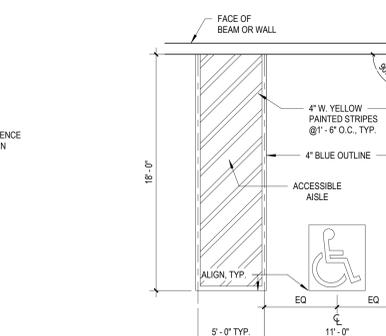
02 P/C BOLLARD DETAIL
1" = 1'-0"



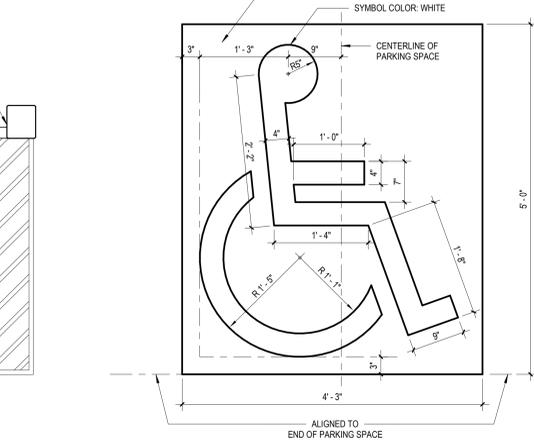
03 TYPICAL STRIPING DETAIL
3/16" = 1'-0"



04 ACCESSIBLE STRIPING DETAIL
3/16" = 1'-0"



05 VAN ACCESSIBLE STRIPING DETAIL
3/16" = 1'-0"



06 ACCESSIBLE SYMBOL DETAIL
1" = 1'-0"

- 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'-0" O.C.
 - ➔ PAINTED FLOOR ARROW, SEE DETAIL 02A1.5

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

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STRUCTURAL ENGINEER Tim Haas & Associates, Inc. 600 Windhurst Avenue, Suite 315 Baltimore, MD 21210	MEP ENGINEER DCS Infrastructure, Inc. 3240 Route 112, Suite 1B Medford, NY 11763	CIVIL ENGINEER KCI Technologies, Inc. 1900 Roper Road Sparks, MD 21152

SEAL:

ARCHITECT/ENGINEERS:
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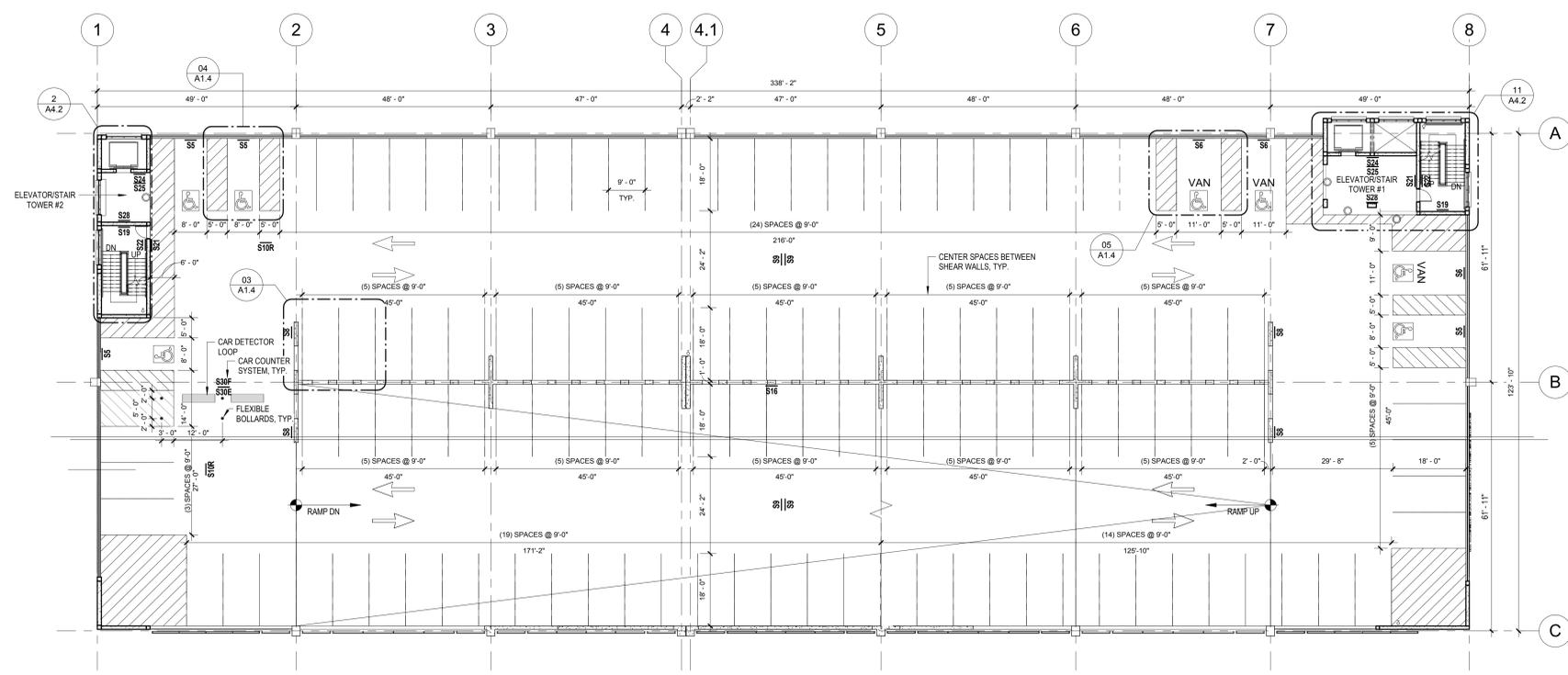
Drawing Title	
GROUND TIER STRIPING PLAN & DETAILS - EXISTING & NEW WORK	
Approved: Project Director	
-	
-	
-	

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 A1.4		Dwg. 22 of 95

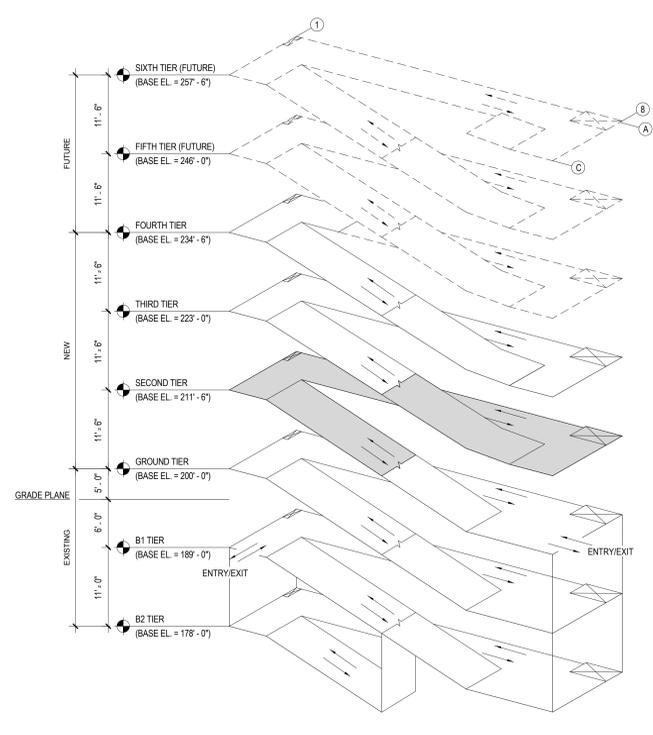
As indicated

Office of Construction and Facilities Management

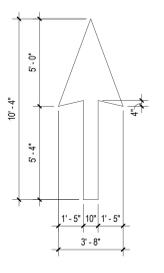
Department of Veterans Affairs



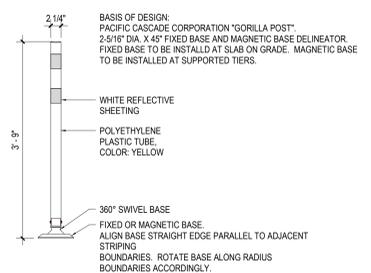
01 SECOND TIER STRIPING PLAN
1/16" = 1'-0"



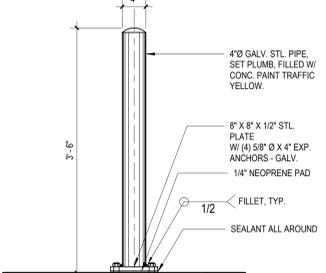
KEY PLAN ISOMETRIC



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: 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 banner 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 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 C08.0.
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 striping as shown on Drawing(s) CD1.1 and CS3.1.
e. Bollards shown on Drawing(s) CS3.0, CS3.1 and associated details on CS3.1.
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) 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) 087100. 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 duct 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/CSS.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/CSS.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 06S3.3.
 - 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 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 appearances as shown on Drawing(s) A4.3, 02E1.4, 03E2.2 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 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, 02A2.3, 02A2.3, 04A2.2, 04A2.3, 01S1.5, 04S1.8, S1.9, 02M1.3, 02P1.3, 03P1.3, 02E1.6, 02E2.4 and 02E3.4.

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
- PIC BOLLARD, SEE DETAIL 02A1.4
- ACCESSIBLE PARKING SPACE
- ▨ 4" WIDE STRIPES PAINTED @ 1'-6" O.C.
- ➔ PAINTED FLOOR ARROW, SEE DETAIL 02A1.5

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
Revisions:		Date

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Drawing Title SECOND TIER STRIPING PLAN - NEW WORK		
Approved: Project Director		

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 A1.5		Dwg. 23 of 95

As indicated

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs