MONTEFIORE HEALTH SYSTEM NYACK CAMPUS 160 NORTH MIDLAND AVENUE NYACK, NY 10960

# PARKING STRUCTURE

**CONSTRUCTION TYPE: 1A** 

ARB SUBMISSION 04-08-2020

### CODES AND STANDARDS

- BUILDING CODE: 2015 NEW YORK STATE BUILDING CODE
- STRUCTURAL CODE: 2015 NEW YORK STATE BUILDING CODE • FIRE CODE: FIRE CODE 2015 OF NEW YORK STATE
- ENERGY CODE: 2015 ENERGY CONSERVATION CONSTRUCTION CODE
- OF NEW YORK STATE
- MECHANICAL CODE: 2015 NEW YORK STATE MECHANICAL CODE
- FUEL GAS CODE: 2015 NEW YORK STATE FUEL GAS CODE • PLUMBING CODE: 2015 NEW YORK STATE PLUMBING CODE
- ELECTRICAL CODE: THE NATIONAL ELECTRICAL CODE, 2014 LIFE SAFETY CODE: LIFE SAFETY CODE NFPA 101, 2012
- SPRINKLER CODE: 2015 NEW YORK STATE FIRE CODE
- BARRIER FREE REQUIREMENTS: 2003 ICC/ANCI A117.1 & 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADAAG)

# Montefiore

MONTEFIORE HEALTH SYSTEM NYACK CAMPUS **160 NORTH MIDLAND AVENUE** NYACK, NY 10960

PARKING STRUCTURE

**ARCHITECT** 



Michael A. Pomarico, Architect

19 Front Street Newburgh, NY 12550 33 Irving Place, 3rd Floor New York, NY 10004

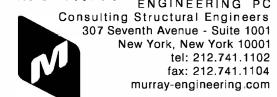
New York License No.: 019680

MEP ENGINEER

# goldman copeland associates, p.c.

Consulting Engineers
520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER



SITE ENGINEERS

# Landscape Architecture and Geology, D.P.C.

300 Kimball Drive Parsippany, NJ 07054

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

No:	Date:	Description:
0	2020-01-31	ARB SUBMISSION
1	2020-03-17	PLANNING BOARD SUBMISSION
	= =	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF AND THE DATE OF SUCH ALTERATION, AND A

**DRAWING TITLE:** 

PARKING STRUCTURE **COVER SHEET** 

PROJECT NUMBER DATE **SCALE AS NOTED** 2020-03-17 **DRAWING NUMBER** 

### **ALTERATION WORK:**

- 1. THE ALTERATION WORK SHALL INCLUDE ALL MODIFICATIONS NECESSARY TO THE EXISTING SPACE TO ACCOMMODATE THE ALTERATION AS CALLED FOR ON THE DRAWINGS OR SPECIFIED. WORK SHALL ALSO INCLUDE SUCH AS IS NECESSARY OR REASONABLY INFERABLE FROM SPECIFIC WORK WHERE INDICATED OR SPECIFIED IN ORDER TO PRODUCE A COMPLETE JOB READY FOR BUILDINGS OPERATIONS, SUCH AS PATCHING WALLS, CEILINGS AND FLOORS AND FINISHES DISTURBED DUE TO ALTERATIONS AND MECHANICAL AND ELECTRICAL TRADES WORK, BLOCKING UP OPENINGS, NEW OPENINGS, RELOCATION OF EQUIPMENT, ETC. RELOCATION WORK SHALL BE ASSIGNED BY THE CONTRACTOR TO TRADES HAVING JURISDICTION AND BEST QUALIFIED.
- 2. UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR SPECIFICATIONS, ALL EXISTING WORK SHALL BE PATCHED TO MATCH NEW ÓR EXISTING ADJOINING SURFACES
  - A. NEW WORK IS ADDED TO EXISTING WORK. B. EXISTING OPENINGS ARE TO BE SEALED. . EXISTING WORK IS REMOVED. D. NEW OPENINGS OCCUR IN EXISTING WORK.
- REMOVE, RELOCATE, REROUTE, TERMINATE OR CAP AS REQUIRED ALL PLUMBING, ELECTRICAL OR OTHER MECHANICAL WORK LOCATED IN WALLS, PARTITIONS, FLOORS OR CEILINGS THAT OCCUR WHERE EXISTING WORK IS REMOVED AND WHERE NEW OPENINGS ARE TO BE CUT IN EXISTING WORK (EXCEPT AS OTHERWISE SPECIFIED OR NOTED BY OTHER TRADES).
- 3. PATCH AND FINISH ALL EXISTING WORK TO MATCH EXISTING (EXCEPT IF OTHERWISE SPECIFIED) WHERE DISTURBED BY THE REMOVAL, RELOCATION OR NEW INSTALLATION OF ELECTRICAL, MECHANICAL OR PLUMBING WORK, SEE ARCHITECTURAL, ELECTRICAL, HEATING AND VENTILATION OR PLUMBING DRAWINGS FOR EXTENT OF REMOVAL WORK.
- 4. IN ALL ROOMS AND/OR AREAS OF EXISTING BUILDING, GENERAL CONTRACTOR SHALL DO ALL NECESSARY CUTTING, REPAIRS, PATCHING OR REPLACING OF EXISTING FLOORS, BASES, WALLS AND CEILINGS, ETC., SO AS TO LEAVE SUCH ROOMS AND/OR SPACES IN A NEAT AND ORDERLY FINISH.
- FLASH PATCH ALL FLOOR VOIDS FLUSH TO ADJACENT SURFACES FOR SMOOTH FINISH, WHERE RESULTING FROM REMOVAL OF ITEM CAUSING A FLOOR OPENING, OR CHANGE IN FLOOR ELEVATION.
- WHERE EXISTING PARTITIONS ARE INDICATED TO BE EXTENDED, THE FINISH SURFACES OF EXISTING AND NEW PARTITIONS SHALL ALIGN ON BOTH SIDES OF THE PARTITION.
- . WHERE NEW WALL FINISH IS DESIGNATED IN FINISH SCHEDULE, SAME SHALL APPLY BOTH TO NEW AND **EXISTING SURFACE WITHIN SPACE**
- 8. WHERE PARTITIONS ARE REMOVED TO COMBINE TWO OR MORE AREAS INTO ONE SINGLE AREA, THE FLOORS OF THE AREAS AFFECTED SHALL BE LEVELED TO FORM ONE CONTINUOUS LEVEL FLOOR, UNLESS OTHERWISE NOTED
- WHEN CLOSING DOORS, PROVIDE STUDS AS REQ. TO FLUSH NEW FINISH WITH ADJOINING EXISTING FINISH ON
- 10. NEW DOORS TO BE PLACED IN EXISTING PARTITIONS SHALL BE COORDINATED WITH THE EXISTING PARTITION FOR ALL REQUIRED MOUNTING REQUIREMENTS.
- 11. WHEN EXISTING WORK REQUIRES REMOVAL FOR THE INSTALLATION OF MECHANICAL, ELECTRICAL, OR PLUMBING WORK. ALL EXISTING SURFACES SHALL BE REPAIRED W/ CONSTRUCTION THAT SHALL MATCH THE REMOVED WORK. BUT BE NO LESS THAN THAT REQUIRED FOR CODE CONFORMANCE.
- 12. WHEN EXISTING CEILINGS REQUIRE REMOVAL FOR THE INSTALLATION OF MECHANICAL ELECTRICAL, OR PLUMBING WORK, ALL AREAS REMOVED SHALL BE REPLACED W/ NEW CEILING CONSTRUCTION EQUAL TO THE EXISTING CEILING REMOVED, BUT NO LESS THAN THAT REQUIRED FOR CODE CONFORMANCE.
- 13. ALL NEW AND EXISTING DUCTS, PIPES AND ELECTRICAL CONDUIT SHALL BE CONCEALED WITHIN NEW AND/OR EXISTING CEILING AND PARTITIONS. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF
- 14. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GYPSUM BOARD ON METAL STUD FURRING AS IS NECESSARY TO FURR IN ALL PIPES AND CHASES OR TO CONTINUE THE NORMAL LINE OF APPLIED FINISH.

### **DEMOLITION NOTES:**

- 1. THE CONTRACTOR SHALL COORDINATE WITH, REVIEW, AND EXAMINE THE DRAWINGS OF ALL TRADES I.E., STRUCTURAL, ELECTRICAL, PLUMBING, AND HEATING VENTILATING AND AIR CONDITIONING TO ASCERTAIN THE EXTENT OF DEMOLITION REQUIRED THEREIN. THE
  CONTRACTOR SHALL ALSO VISIT THE SITE AND CAREFULLY
  EXAMINE THE WORK TO BE DEMOLISHED SO AS TO BE
  FAMILIAR WITH EXISTING CONDITIONS, THE NATURE AND
  SCOPE OF THE WORK AND THE DIFFICULTIES THAT ATTEND ITS EXECUTION.
- 2. EXISTING FLOORS SHALL BE LEVELED BEFORE APPLICATION OF NEW FINISH AS REQUIRED. IF IN THESE CASES, A PORTION OF THE EXISTING FLOOR IS TO REMAIN INTACT, THE PORTION WHICH IS TO RECEIVE NEW APPLIED FLOOR FINISH MUST BE PATCHED AND LEVELED SO THAT THE NEW APPLIED FLOOR FINISH WILL BE FLUSH AND CONTINUOUS WITH THE INTACT PORTION. THE NEW FLOORING SUBSTRATE SHALL BE PREPARED SO AS TO PREVENT NEEDLING THROUGH THE TILE FINISH.
- 3. WHERE EXISTING WALLS OR PARTITIONS ARE TO RECEIVE NEW FINISH (EXCEPT PAINT) THE EXISTING FINISH UNLESS OTHERWISE SPECIFIED OR DIRECTED SHALL BE ENTIRELY REMOVED, WALL SURFACES THOROUGHLY CLEANED DOWN, PLUMBED AND THE WALL OR PARTITION PREPARED TO RECEIVE THE NEW WALL FINISH.

### **DEMOLITION NOTES (CONT.):**

- 4. WHERE NEW HUNG CEILINGS ARE CALLED FOR, IT SHALL BE UNDERSTOOD THAT THE CONTRACTOR SHALL REMOVE THE EXISTING CEILINGS COMPLETELY, UNLESS OTHERWISE NOTED HEREIN.
- . GENERAL CONTRACTOR SHALL CAREFULLY REMOVE ALL EXISTING HUNG CEILINGS AS NECESSARY TO PERMIT INSTALLATION OF MECHANICAL, PLUMBING AND ELECTRICAL WORK. WHERE FLOOR PLAN DOES NOT INDICATE A NEW CEILING GRID, CONTRACTOR SHALL THEN REINSTALL THE SAME AFTER THE WORK HAS BEEN COMPLETED. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF WORK TO BE PERFORMED. REFER TO FINISH SCHEDULE FOR NEW CEILING TILE SPECIFICATION TYPE.
- CONTRACTOR SHALL PROVIDE FOR STRUCTURA ENGINEERING DESIGN AND ERECTION OF ALL TEMPORARY BRACING. SHORING AND UNDERPINNING AS REQUIRED FOR DEMOLITION AND CONSTRUCTION OF THE WORK INDICATED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COMPLETE WEATHER PROTECTION OF ALL WORK.
- 7. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROTECT ALL WORK INDICATED TO REMAIN.
- 8. ANY EXISTING WORK DISTURBED BY THIS CONTRACT SHALL BE REPAIRED TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES UNLESS OTHERWISE NOTED.
- 9. ANY PATCH OR FINISH WORK NECESSARY AFTER DEMOLITION OF WALLS, FLOORS, SLABS, MECHANICAL EQUIPMENT, ETC. SHALL BE PART OF THE CONTRACTORS SCOPE OF WORK. ALL NEW FINISH SHALL MATCH
- REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION.

### **GENERAL NOTES:**

- 1. ALL NOTES HEREIN MENTIONED WITH THOSE ON THE VARIOUS DRAWINGS SHALL APPLY TO ALL DRAWINGS AND FORM PART OF THE CONTRACT
- 2. ALL CONSTRUCTION DIMENSIONS AND DETAILS SHALL CONCUR WITH AND BE DETERMINED FROM THESE DRAWINGS ONLY.
- 3. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS, LARGE SCALE DETAILS OVER SMALL, REPETITIVE FEATURES NOT COMPLETELY DESCRIBED AND/OR DETAILED SHALL BE CONSTRUCTED IN EXACT ACCORDANCE WITH CORRESPONDING FEATURES THAT ARE COMPLETELY DESCRIBED OR DETAILED.
- 4. THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AT THE SITE AND ON THE JOB AGAINST DRAWINGS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. SPECIAL ATTENTION SHOULD BE NOTED RELATIVE TO EXISTING MECHANICAL, PLUMBING AND ELECTRICAL CONDITIONS.
- 5. THE OWNER RESERVES THE RIGHT AT ALL TIMES TO DELIVER, PLACE AND INSTALL EQUIPMENT AND FURNISHINGS AS THE WORK PROGRESSES. SO LONG AS THERE IS NO INTERFERENCE WITH THE WORK OF THE CONTRACTORS.
- 6. ALL DIMENSIONS ARE ACTUAL EXCEPT DIMENSIONS OF CONCRETE, MASONRY, BRICK UNITS AND DRYWALL PARTITIONS WHICH ARE NOMINAL
- 7. ALL DIMENSIONS INDICATED TO GYPSUM WALL BOARD PARTITIONS ARE TO FACE OF STUDS, UNLESS OTHERWISE NOTED.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FILING OF THE PLANS WITH THE BUILDING DEPARTMENT AND THE SECURING OF ALL REQUIRED PERMITS.
- 9. ALL WORK SHALL BE GUARANTEED TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR, FROM THE DATE OF OWNERS OCCUPANCY.
- 10. REMOVE ALL RUBBISH ON A REGULAR BASIS, CONFIRM REMOVAL REQUIREMENTS WITH THE OWNER PRIOR TO COMMENCEMENT.
- 11. ALL MATERIALS, EQUIPMENT AND TYPES OR METHODS OF CONSTRUCTION SHALL IN NO EVENT BE LESS THAN THAT NECESSARY TO CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES, ACCESSIBILITY REQUIREMENTS, ORDINANCES, CHARTER, ETC., OF THE REQUIRED GOVERNING AUTHORITIES.
- 12. ALL WALLS AND/OR PARTITIONS SHALL EXTEND FROM FLOOR SLAB TO UNDERSIDE OF SLAB CONSTRUCTION ABOVE, UNLESS OTHERWISE NOTED.
- 13. PARTITIONS SHALL BE CONTINUOUS OVER ALL BUILT-IN EQUIPMENT WHERE INDICATED ON PLANS. FURNISH NECESSARY ANGLES, HANGERS, ETC. TO COMPLETE INSTALLATION.
- 14. ALL NEW PIPING AND ELECTRIC CONDUITS SHALL BE CONCEALED WITHIN NEW PARTITIONS.
- 15. FOR LOCATIONS OF NEW FLOOR DRAINS REFER TO PLUMBING DRAWINGS.

### GENERAL NOTES(CONT.):

- 16. UTILITY SERVICES FOR EQUIPMENT, SLAB OPENINGS, ETC., ARE BASED ON CURRENT MANUFACTURERS REQUIREMENTS. THESE MAY CHANGE WITH UPDATED OR SUBSTITUTED EQUIPMENT, UTILITY SERVICES AND SLAB OPENINGS SHALL BE COORDINATED AND UPDATED BY CONTRACTOR(S)
- 17. THE ELECTRICAL OUTLETS AND PLUMBING SHOWN ON THE ARCHITECTURAL DRAWINGS ARE TO CLARIFY THE FUNCTIONAL PATTERNS OF THE ROOMS. THE CONTRACTOR SHALL REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE LAYOUT OF MECHANICAL AND ELECTRICAL SERVICES.
- 18. COORDINATE THE INSTALLATION OF ALL COMPONENTS OF THE PROJECT TO ENSURE COMPLETE AND FUNCTIONAL INSTALLATION OF ALL WORK, AND SYSTEMS. CONDUCT COORDINATION MEETINGS AS REQUIRED WITH TRADES ARCHITECT, AND OWNER TO ENSURE COMPLETE UNDERSTANDING OF EQUIPMENT AND SYSTEMS REQUIREMENTS.
- 19. WHEN PENETRATIONS THROUGH EXISTING CONSTRUCTION ARE REQUIRED, REPLACE WORK COMPLETELY, WITH CONSTRUCTION OF NO LESS QUALITY THAN THE EXISTING. ALL EXTERIOR PENETRATIONS SHALL BE WATERTIGHT.
- 20. GYPSUM WALL BOARD IN ALL WET AREAS I.E. TOILET. WASH AREAS. ETC.. SHALL BE WATER RESISTANT TYPE.
- 21. ALL GYPSUM WALL BOARD DIRECTLY BEHIND OR ADJACENT TO ALL SINKS INCLUDING SINKS IN CASEWORK EXTENDING A MINIMUM DISTANCE OF 3'-0" HORIZONTALLY FROM CENTERLINE OF FIXTURE AND FROM FLOOR TO FINISHED CEILING SHALL BE WATER RESISTANT TYPE.
- 22. WHERE FIRE RATED PARTITIONS ARE SCHEDULED CONTRACTOR SHALL PROVIDE TYPE X GYPSUM WALL BOARD.
- 23. OWNER RESERVES THE RIGHT TO ACCESS THE SPACE THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, THE OWNER RESERVES THE RIGHT TO INSTALL EQUIPMENT REQUIRED IN CONJUNCTION WITH THE PROJECT. CONTRACTOR SHALL COORDINATE WITH THE OWNER AS TO REQUIRED DELIVERY DATES. AND INSTALLATION REQUIREMENTS.
- 24. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN TEMPORARY WATER, ELECTRIC, AND SANITARY SERVICES TO THE SPACE. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF SECURITY TO THE
- 25. CONTRACTOR SHALL FURNISH AND INSTALL ANGLES, STRUTS, BRACKETS, TOGGLES, EYE BOLTS AND ALL ACCESSORIES REQUIRED TO PROPERLY SUPPORT BRACE AND/OR REINFORCE ALL FINISHES, FRAMES, MILLWORK, EQUIPMENT, ETC.
- 26. CONTRACTOR SHALL CLOSE ALL OPENINGS DUE TO CUTTING, REMOVAL, AND NEW WORK REQUIRED BY MECHANICAL AND ELECTRICAL TRADES. OPENINGS SHALL BE CLOSED AND FINISH SHALL MATCH EXISTING. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- 27. CONTRACTOR SHALL AT ALL TIMES MAINTAIN TEMPORARY ELECTRICAL, MECHANICAL, PLUMBING, AND LIFE SAFETY SYSTEMS. IN ADDITION TEMP, TELEPHONE AND SANITARY FACILITIES SHALL BE PROVIDED.
- 28. THE CONTRACTOR SHALL STORE ALL REQUIRED COMPONENTS, TOOLS, EQUIPMENT ETC. IN THE EXISTING SPACE, AND SHALL IN NO WAY IMPEDE UPON THE NORMAL FUNCTIONAL PATTERNS OF THE HOSPITAL.
- 29. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE OPERATIONAL PROJECT. ALL SYSTEMS SHALL BE WHOLE, WHETHER SPECIFIED IN FULL OR PART IN THESE DRAWINGS. IN CASES WHERE DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY. ANY INSTANCE WHERE THE CONTRACTOR PROCEEDS WITH THE INSTALLATION OF A CONTRADICTORY DIRECTIVE, WITH OUT THE ARCHITECTS PRIOR APPROVAL. THE ARCHITECT RESERVES THE RIGHT TO REJECT THE WORK.
- 30. THE ALTERATION SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF NJAC SECTION 5:23-6.7 OF THE NJUCC.
- 31. THE ADDITION SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF NJAC SECTION 5:23-6.32 OF THE NJUCC

### LIST OF DRAWINGS

### SITE & CIVIL DRAWING LIST

CS001 COVER SHEET VT101 PARTIAL BOUNDARY & TOPOGRAPHIC SURVEY

CD101 DEMOLITION PLAN OVERALL SITE PLAN

SITE PLAN CG101 GRADING PLAN

DRAINAGE AND UTILITY PLAN

SOIL EROSION & SEDIMENT CONTROL PLAN

CE501 SOIL EROSION & SEDIMENT CONTROL DETAILS & NOTES

LIGHTING PLAN LL101 LL501 LIGHTING NOTES AND DETAILS

LP101 LANDSCAPE PLAN

LP501 LANDSCAPE NOTES AND DETAILS

CS501 CONSTRUCTION DETAILS I CS502 CONSTRUCTION DETAILS II

### ARCHITECTURAL DRAWINGS:

A0.0 **COVER SHEET** 

INFORMATION SHEET AND DRAWING LIST A1.1

A3.0 SITE DEMOLITION PLAN

A4.1 OVERALL SITE PLAN & GROUND FLOOR PLAN

A4.2 TYPICAL FLOOR PLAN

A4.3 FLOOR PLAN BRIDGE A4.4 **ROOF PLAN** 

A5.1 **EXTERIOR ELEVATIONS** 

A5.2 **EXTERIOR ELEVATIONS** 

A5.3 **EXTERIOR ELEVATIONS & SECTIONS** 

A5.4 MAIN LOBBY ENLARGED ELEVATION AND ENLARGED SCREEN DIAGRAM

## Montefiore

MONTEFIORE HEALTH SYSTEM NYACK CAMPUS

160 NORTH MIDLAND AVENUE NYACK, NY 10960

### PARKING STRUCTURE

### **ARCHITECT**



Michael A. Pomarico, Architect New York License No.: 019680 Telephone: 845.561.0448 Facsimile: 845.561.0446

pds@HealthCareDesign.com

www.healthcaredesign.con

19 Front Street Newburgh, NY 12550 33 Irving Place, 3rd Floor New York, NY 10004

### MEP ENGINEER

Consulting Engineers 520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

### STRUCTURAL ENGINEER

MURRAY



### SITE ENGINEERS

# LANGAN

300 Kimball Drive Parsippany, NJ 07054

Landscape Architecture and Geology, D.P.C.

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

# **REVISIONS:** Date: 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED. THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

**DRAWING TITLE:** 

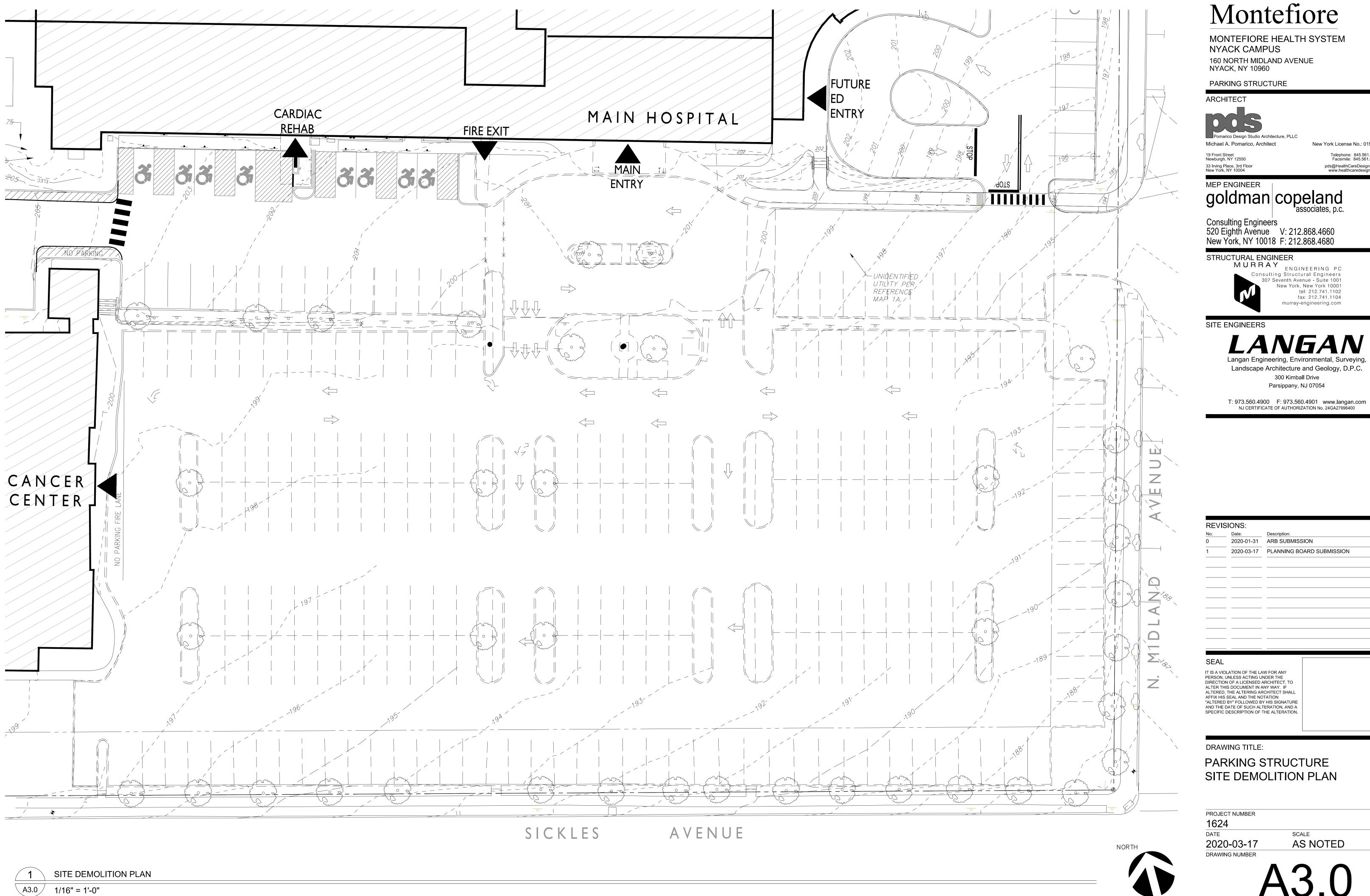
### PARKING STRUCTURE INFORMATION SHEET AND DRAWING LIST

PROJECT NUMBER

DATE 2020-03-17 DRAWING NUMBER

AS NOTED

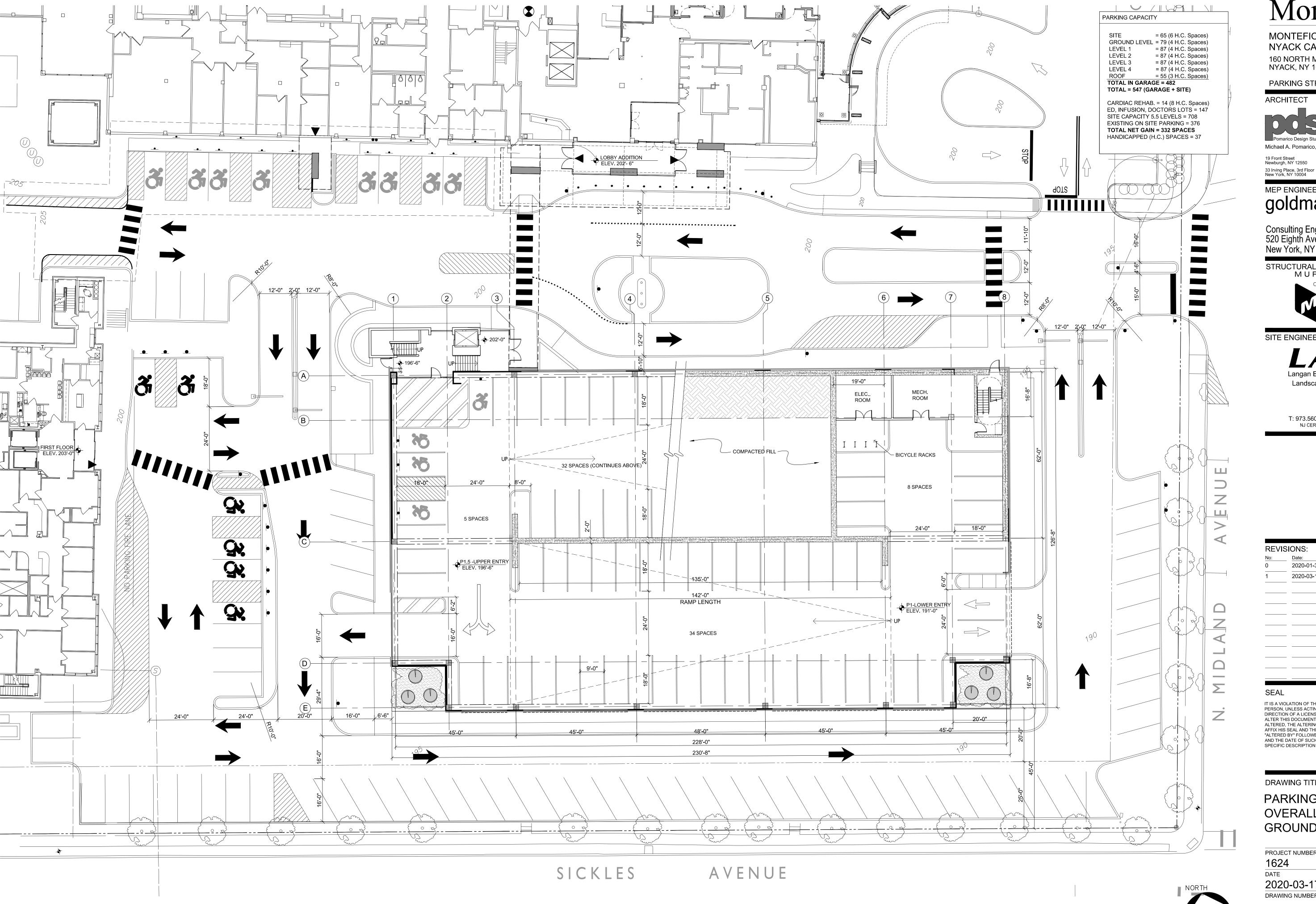
**SCALE** 



New York License No.: 019680

Telephone: 845.561.0448 Facsimile: 845.561.0446

pds@HealthCareDesign.com www.healthcaredesign.com



MONTEFIORE HEALTH SYSTEM **NYACK CAMPUS** 160 NORTH MIDLAND AVENUE NYACK, NY 10960

PARKING STRUCTURE

**ARCHITECT** 



Pomarico Design Studio Architecture, PLLC

Michael A. Pomarico, Architect New York License No.: 019680 19 Front Street Newburgh, NY 12550

pds@HealthCareDesign.com www.healthcaredesign.com

MEP ENGINEER

goldman copeland associates, p.c.

Consulting Engineers 520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER



SITE ENGINEERS

# LANGAN

Langan Engineering, Environmental, Surveying Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

SEAL

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE:

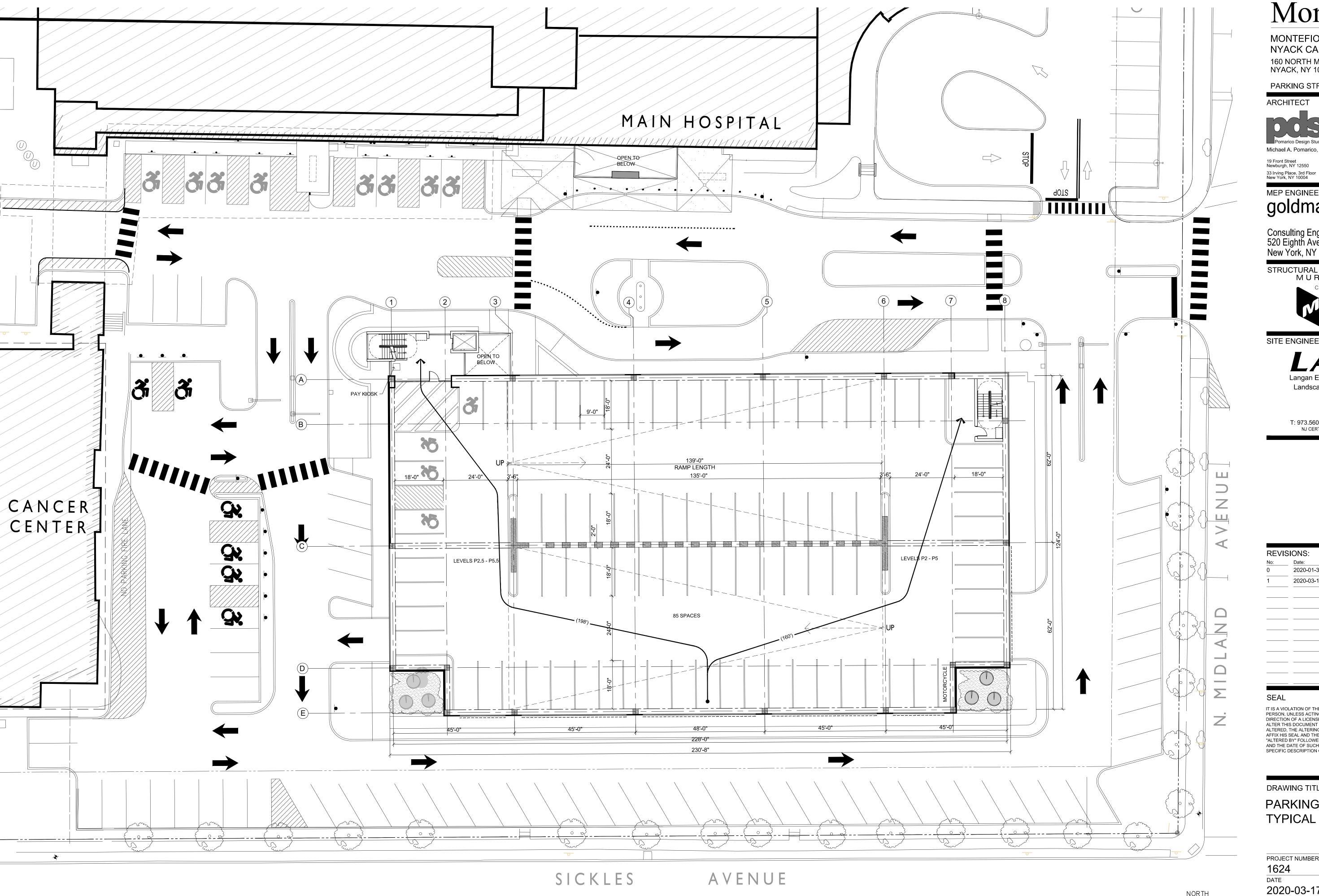
PARKING STRUCTURE OVERALL SITE PLAN & **GROUND FLOOR PLAN** 

PROJECT NUMBER 1624

2020-03-17 DRAWING NUMBER

**AS NOTED** 

SCALE



MONTEFIORE HEALTH SYSTEM **NYACK CAMPUS** 160 NORTH MIDLAND AVENUE NYACK, NY 10960

PARKING STRUCTURE

**ARCHITECT** 



Pomarico Design Studio Architecture, PLLC

Michael A. Pomarico, Architect 19 Front Street Newburgh, NY 12550

pds@HealthCareDesign.com www.healthcaredesign.com

New York License No.: 019680

MEP ENGINEER

goldman copeland associates, p.c.

Consulting Engineers 520 Eighth Avenue V: 212.868.4660

New York, NY 10018 F: 212.868.4680 STRUCTURAL ENGINEER



SITE ENGINEERS

# LANGAN

Langan Engineering, Environmental, Surveying Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

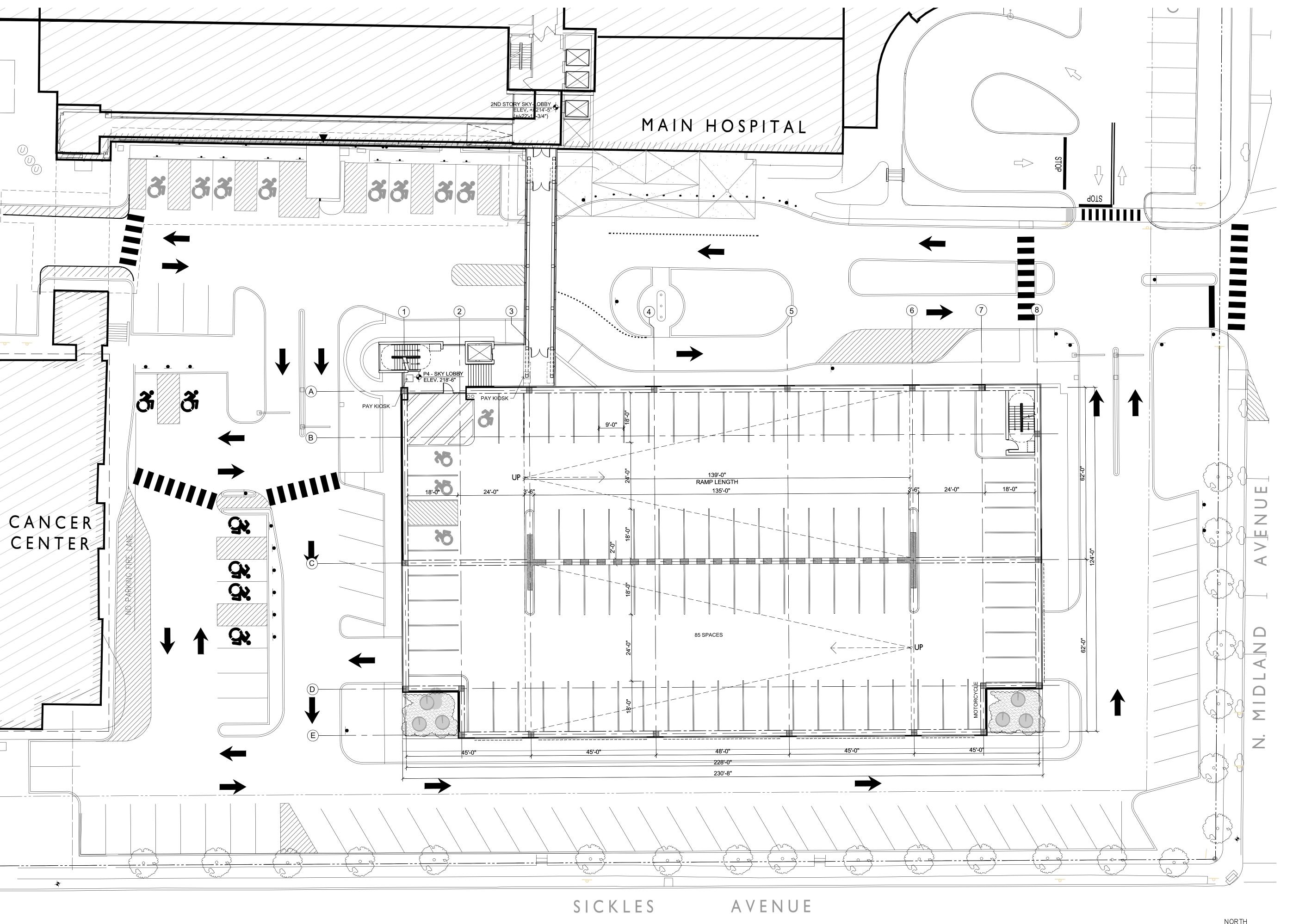
SEAL

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE:

PARKING STRUCTURE TYPICAL FLOOR PLAN

PROJECT NUMBER 1624 SCALE AS NOTED 2020-03-17 DRAWING NUMBER



MONTEFIORE HEALTH SYSTEM **NYACK CAMPUS** 160 NORTH MIDLAND AVENUE NYACK, NY 10960

PARKING STRUCTURE

**ARCHITECT** 



Pomarico Design Studio Architecture, PLLC

Michael A. Pomarico, Architect 19 Front Street Newburgh, NY 12550

33 Irving Place, 3rd Floor New York, NY 10004 pds@HealthCareDesign.com www.healthcaredesign.com

New York License No.: 019680

MEP ENGINEER

goldman copeland associates, p.c.

Consulting Engineers 520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER

MURRAY

ENGINEERING PC

Consulting Structural Engineers
307 Seventh Avenue - Suite 1001

New York, New York 10001

tel: 212.741.1102

fax: 212.741.1104 murray-engineering.com

SITE ENGINEERS

LANGAN

Langan Engineering, Environmental, Surveying Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

SEAL

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

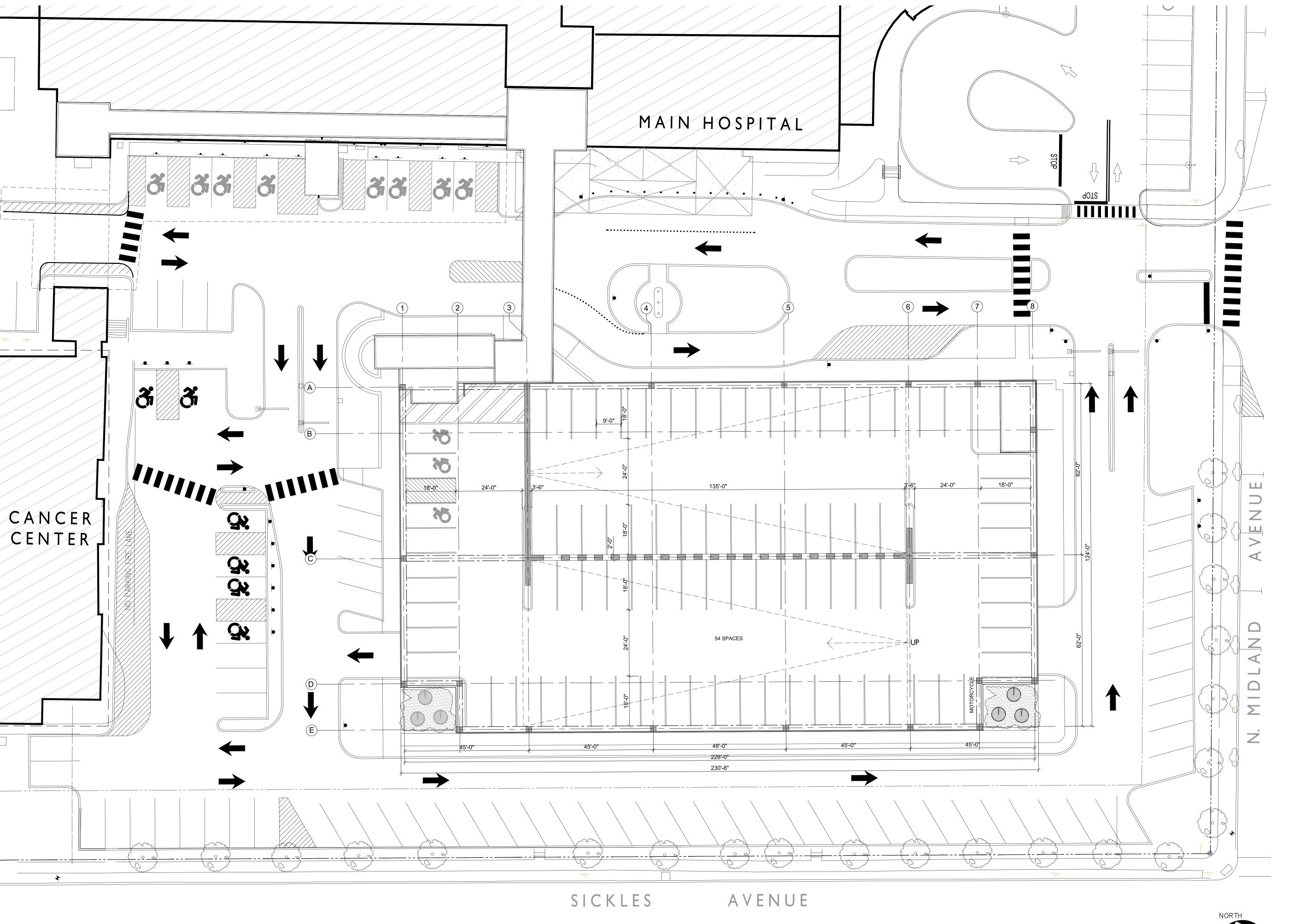
DRAWING TITLE:

PARKING STRUCTURE FLOOR PLAN BRIDGE

PROJECT NUMBER 1624 SCALE

AS NOTED 2020-03-17 DRAWING NUMBER

1/16" = 1'-0"



MONTEFIORE HEALTH SYSTEM **NYACK CAMPUS** 160 NORTH MIDLAND AVENUE NYACK, NY 10960

PARKING STRUCTURE

**ARCHITECT** 



Pomarico Design Studio Architecture, PLLC

Michael A. Pomarico, Architect 19 Front Street Newburgh, NY 12550

33 Irving Place, 3rd Floor New York, NY 10004 pds@HealthCareDesign.com www.healthcaredesign.com

New York License No.: 019680

MEP ENGINEER

# goldman copeland associates, p.c.

Consulting Engineers 520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER



SITE ENGINEERS

# LANGAN

Langan Engineering, Environmental, Surveying Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

### SEAL

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

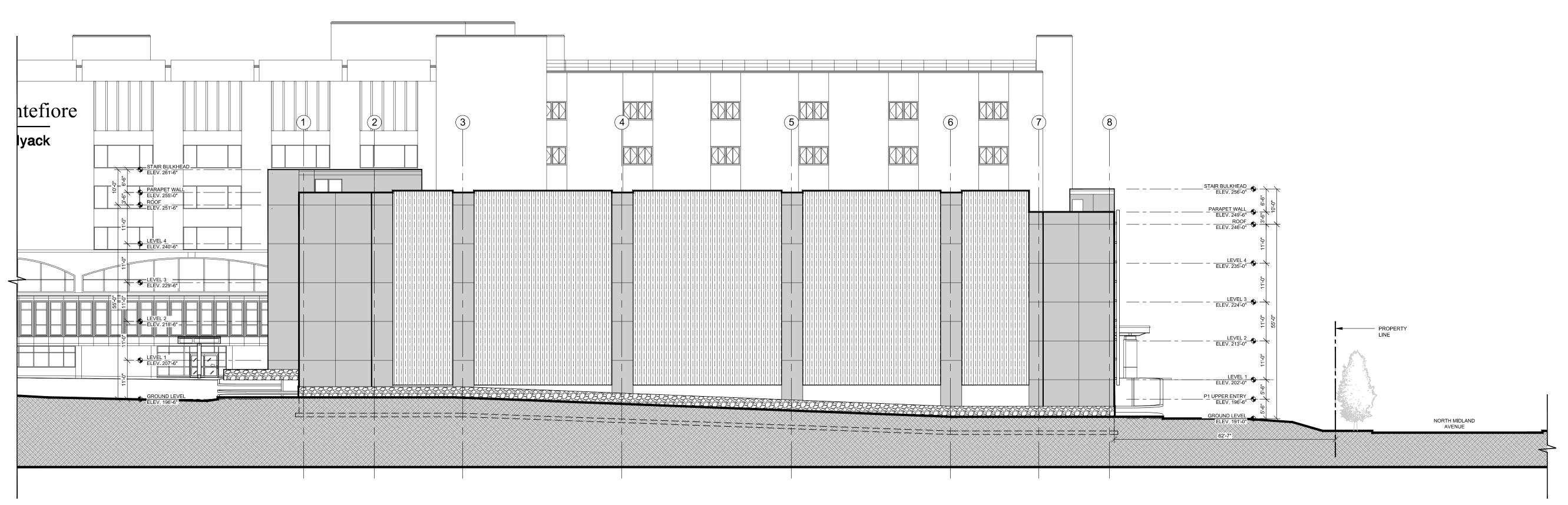
DRAWING TITLE:

PARKING STRUCTURE **ROOF PLAN** 

PROJECT NUMBER 1624 SCALE AS NOTED 2020-03-17 DRAWING NUMBER

**ROOF PLAN** 

1/16" = 1'-0"



SOUTH ELEVATION

\A5.1\tag{1/16"} = 1'-0"

 $\left(\begin{array}{c}2\\A5.3\end{array}\right)$ PARAPET WALL ELEV. 249'-6" ROOF ELEV. 246'-0" Area **Trauma Center** LEVEL 3 ELEV. 224'-0" Designated Stroke Center PROPERTY -LEVEL 2
ELEV. 213'-0" LEVEL 1 ELEV. 202'-0" SICKLES AVE.

**EAST ELEVATION** A5.1 1/16" = 1'-0"

# Montefiore

MONTEFIORE HEALTH SYSTEM NYACK CAMPUS 160 NORTH MIDLAND AVENUE

NYACK, NY 10960

PARKING STRUCTURE ARCHITECT

Michael A. Pomarico, Architect

Pomarico Design Studio Architecture, PLLC

19 Front Street Newburgh, NY 12550 33 Irving Place, 3rd Floor New York, NY 10004

MEP ENGINEER

Consulting Engineers
520 Eighth Avenue V: 212.868.4660
New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER

MURRAY ENGINEERING PC Consulting Structural Engineers
307 Seventh Avenue - Suite 1001
New York, New York 10001

tel: 212.741.1102 fax: 212,741,1104 murray-engineering.com

New York License No.: 019680

Telephone: 845.561.0448 Facsimile: 845.561.0446

pds@HealthCareDesign.com www.healthcaredesign.com

SITE ENGINEERS

LANGAN Landscape Architecture and Geology, D.P.C. 300 Kimball Drive

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Parsippany, NJ 07054

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

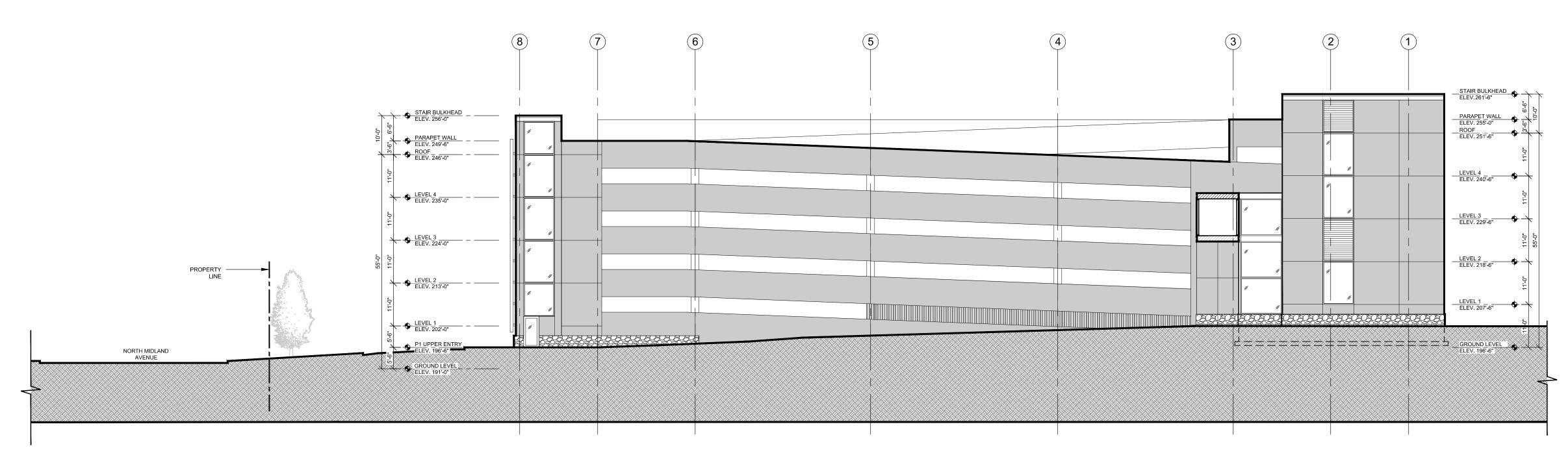
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTER THIS DOCUMENT IN ANY WAY. IF
ALTERED, THE ALTERING ARCHITECT SHALL
AFFIX HIS SEAL AND THE NOTATION
"ALTERED BY" FOLLOWED BY HIS SIGNATURE
AND THE DATE OF SUCH ALTERATION, AND A
SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE: PARKING STRUCTURE **EXTERIOR ELEVATIONS** 

PROJECT NUMBER 1624 DATE

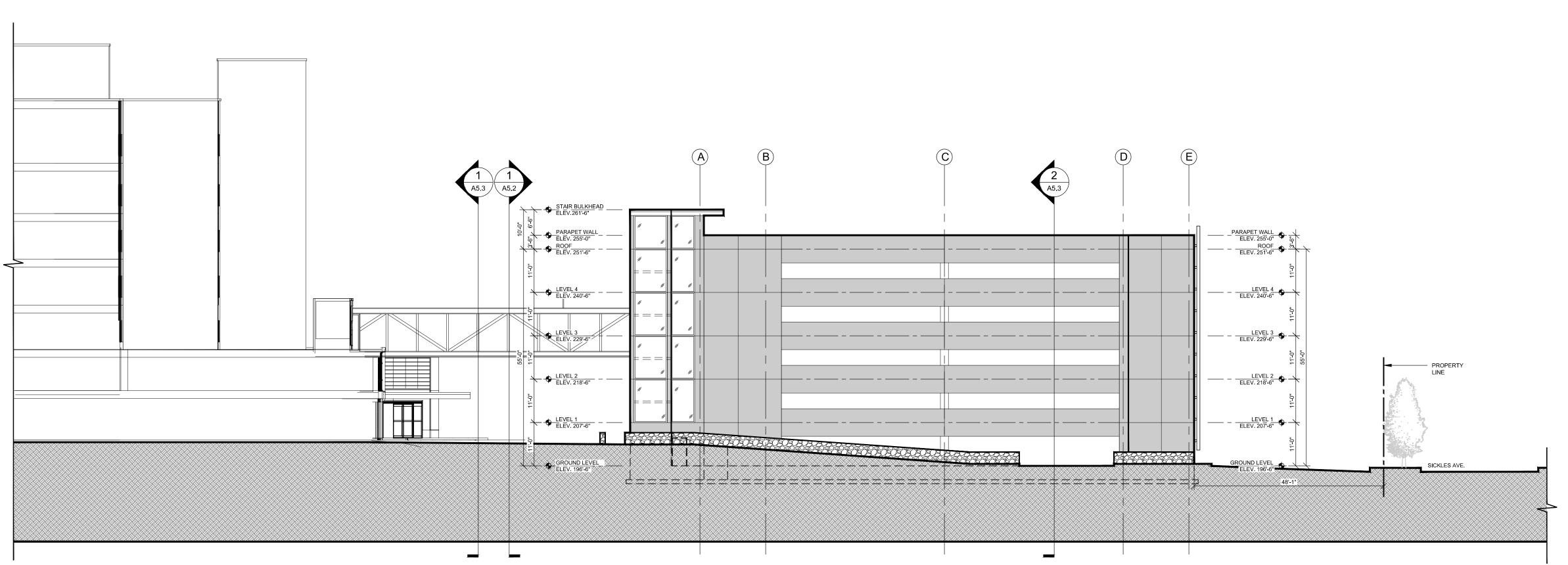
2020-03-17 DRAWING NUMBER

SCALE AS NOTED





A5.2 / 1/16" = 1'-0"



WEST ELEVATION

A5.2 / 1/16" = 1'-0"

# Montefiore

MONTEFIORE HEALTH SYSTEM NYACK CAMPUS 160 NORTH MIDLAND AVENUE NYACK, NY 10960

PARKING STRUCTURE

ARCHITECT

Pomarico Design Studio Architecture, PLLC

Michael A. Pomarico, Architect

19 Front Street Newburgh, NY 12550 33 Irving Place, 3rd Floor New York, NY 10004

Telephone: 845.561.0448 Facsimile: 845.561.0446 pds@HealthCareDesign.com www.healthcaredesign.com

New York License No.: 019680

MEP ENGINEER

goldman copeland associates, p.c.

Consulting Engineers 520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER

MURRAY

ENGINEERING PC

Consulting Structural Engineers

307 Seventh Avenue - Suite 1001

New York, New York 10001

tel: 212.741.1102 fax: 212.741.1104 murray-engineering.com

SITE ENGINEERS

LANGAN Landscape Architecture and Geology, D.P.C. 300 Kimball Drive

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Parsippany, NJ 07054

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

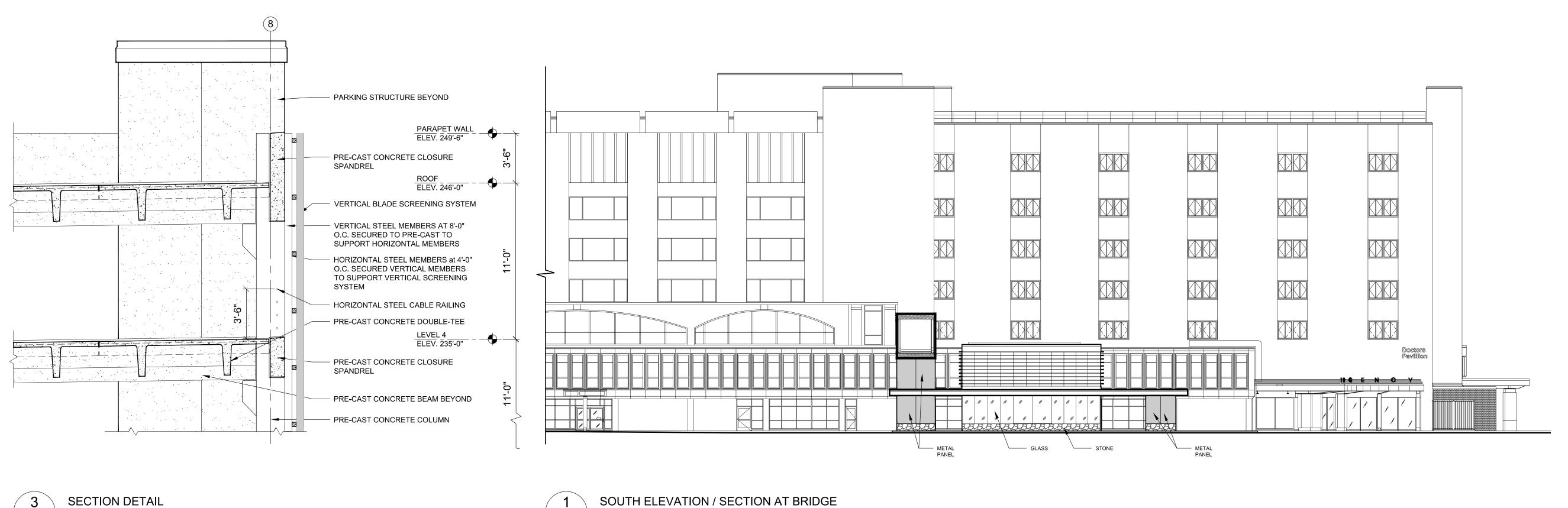
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF
ALTERED, THE ALTERING ARCHITECT SHALL
AFFIX HIS SEAL AND THE NOTATION
"ALTERED BY" FOLLOWED BY HIS SIGNATURE
AND THE DATE OF SUCH ALTERATION, AND A
SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE: PARKING STRUCTURE **EXTERIOR ELEVATIONS** 

PROJECT NUMBER 1624 DATE

2020-03-17 DRAWING NUMBER

SCALE AS NOTED



**√** A5.3 /

1/16" = 1'-0"

A5.3 1/4" = 1'-0"

A5.3 1/16" = 1'-0"

Montefiore

MONTEFIORE HEALTH SYSTEM **NYACK CAMPUS** 160 NORTH MIDLAND AVENUE

NYACK, NY 10960

PARKING STRUCTURE

ARCHITECT

Michael A. Pomarico, Architect

19 Front Street Newburgh, NY 12550 33 Irving Place, 3rd Floor New York, NY 10004

Telephone: 845.561.0448 Facsimile: 845.561.0446 pds@HealthCareDesign.com www.healthcaredesign.com

New York License No.: 019680

MEP ENGINEER

goldman copeland associates, p.c.

Consulting Engineers 520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER

MURRAY ENGINEERING PC Consulting Structural Engineers
307 Seventh Avenue - Suite 1001
New York, New York 10001

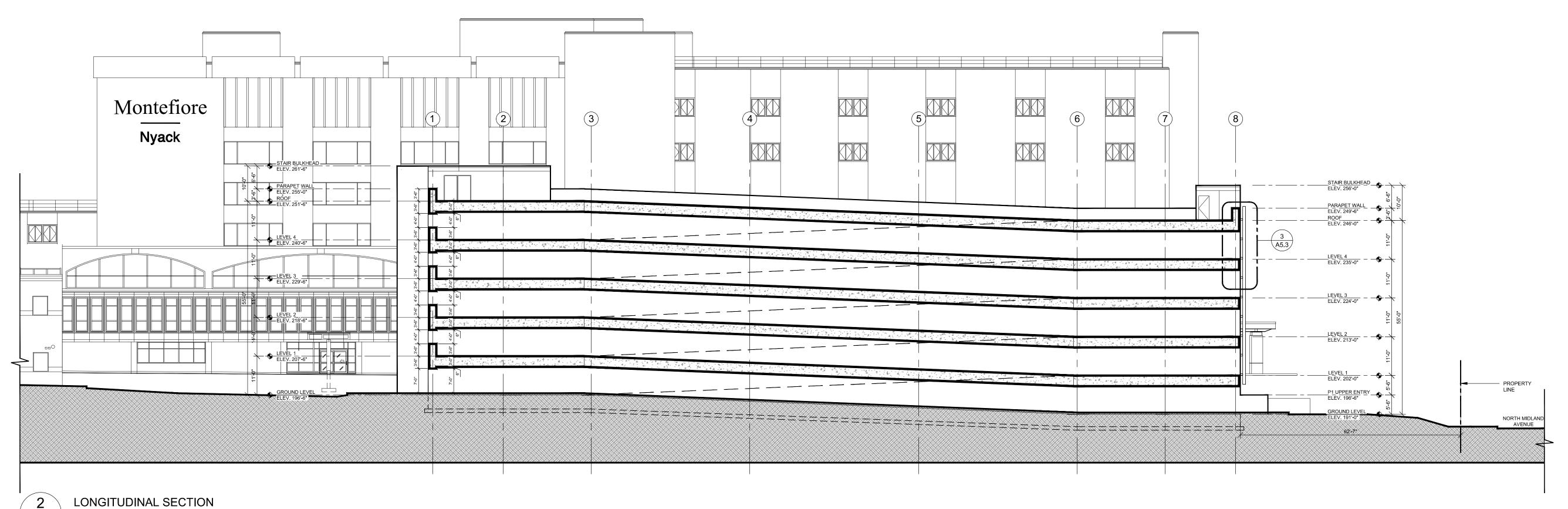
tel: 212.741.1102 fax: 212.741.1104 murray-engineering.com

SITE ENGINEERS

LANGAN Langan Engineering, Environmental, Surveying

Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

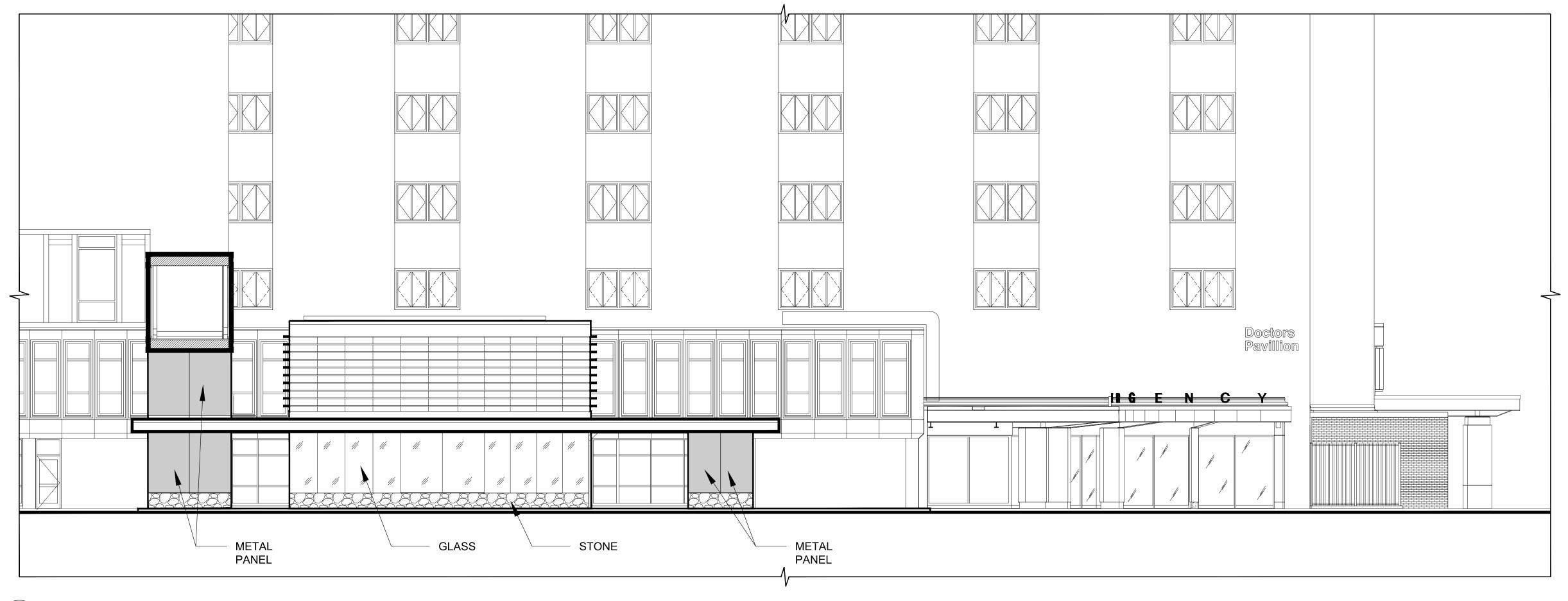


No:	SIONS: Date:	Description:
		· ·
0	2020-01-31	ARB SUBMISSION
1	2020-03-17	PLANNING BOARD SUBMISSION
		-
SEAL		
PERSON, DIRECTIO	DLATION OF THE LAUNLESS ACTING LOUNLESS ACTING LOUNLESS ACTING LOUNLESS DOCUMENT IN	JNDER THE ARCHITECT, TO
	IS DOCUMENT IN A THE ALTERING A	

DRAWING TITLE: PARKING STRUCTURE **EXTERIOR ELEVATION &** SECTIONS

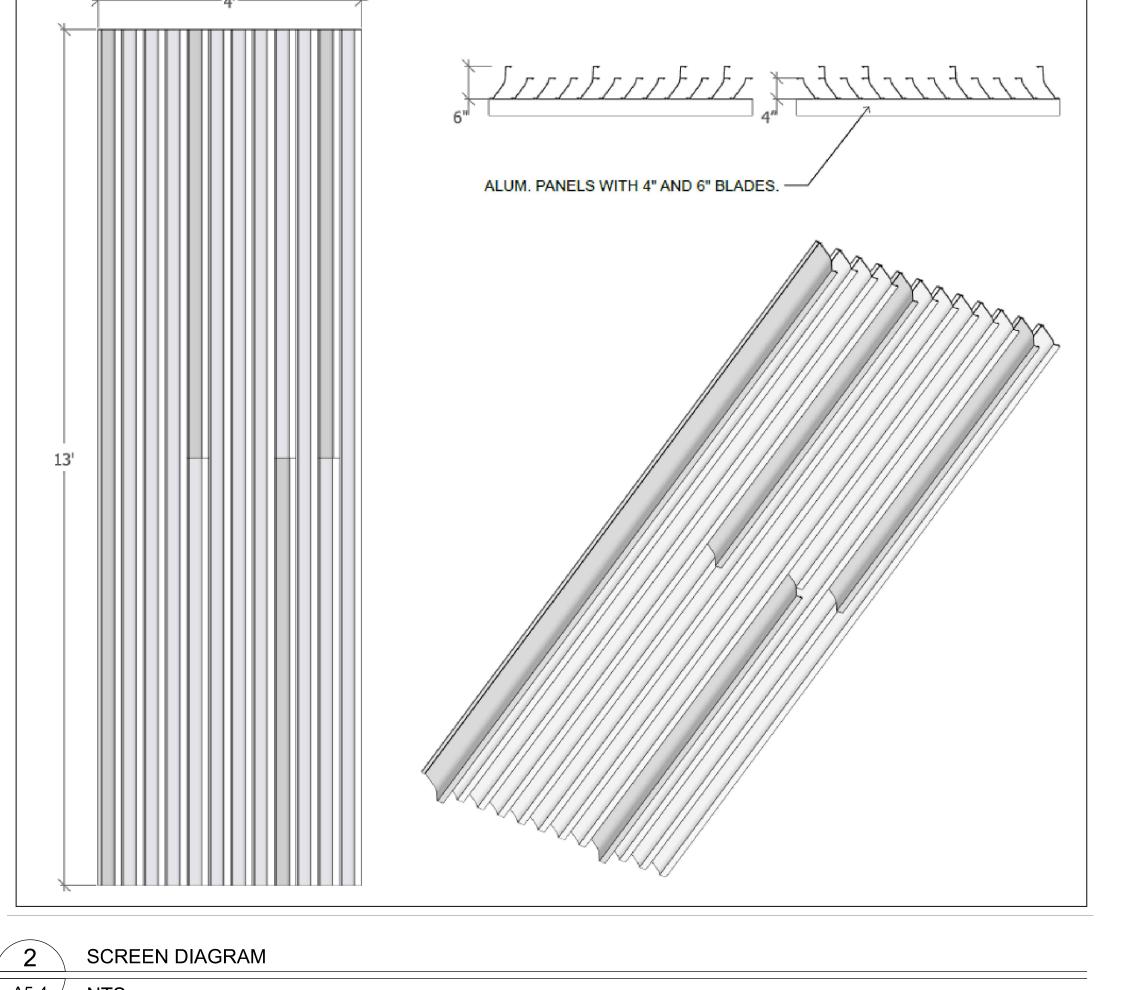
PROJECT NUMBER 1624

SCALE AS NOTED 2020-03-17 DRAWING NUMBER



**ENLARGED NORTH ELEVATION** 

A5.4 1/8" = 1'-0"



7 1		4	$oldsymbol{C}$	
	$\cap$ 11	TAI	Γ1 🕜	140
TAT	[on			

MONTEFIORE HEALTH SYSTEM **NYACK CAMPUS** 

160 NORTH MIDLAND AVENUE NYACK, NY 10960

PARKING STRUCTURE

ARCHITECT

Pomarico Design Studio Architecture, PLLC

Michael A. Pomarico, Architect

19 Front Street Newburgh, NY 12550 33 Irving Place, 3rd Floor New York, NY 10004

Telephone: 845.561.0448 Facsimile: 845.561.0446 pds@HealthCareDesign.com www.healthcaredesign.com

New York License No.: 019680

MEP ENGINEER

goldman copeland associates, p.c.

Consulting Engineers
520 Eighth Avenue V: 212.868.4660 New York, NY 10018 F: 212.868.4680

STRUCTURAL ENGINEER



SITE ENGINEERS

### LANGAN Langan Engineering, Environmental, Surveying,

Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054

T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

**REVISIONS:** 2020-01-31 ARB SUBMISSION 2020-03-17 PLANNING BOARD SUBMISSION

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. IF
ALTERED, THE ALTERING ARCHITECT SHALL
AFFIX HIS SEAL AND THE NOTATION
"ALTERED BY" FOLLOWED BY HIS SIGNATURE
AND THE DATE OF SUCH ALTERATION, AND A
SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE:

MAIN LOBBY ENLARGED **ELEVATION AND ENLARGED SCREEN** 

DIAGRAM

PROJECT NUMBER 1624

DATE 2020-03-17

DRAWING NUMBER

SCALE AS NOTED

































Reynobond® Aluminum Composite Material







# Versatile Solutions for Any Project.

Whether you're an architect, engineer, designer, fabricator, installer or contractor, each new project presents a fresh set of challenges. And your ability to meet those unique challenges is how your clients measure your work. That's why we are committed to finding new ways to help you achieve your vision with the beauty, affordability and ease of installation of Reynobond<sup>®</sup>.

Discover stylish and functional cladding solutions for both interior and exterior applications with our innovative products, including Reynobond Aluminum Composite Material, Reynobond Natural Metal Composite Material, Reynobond with KEVLAR® hurricane impact panels, Reynobond with EcoClean™, Reynobond Design Line, Anodized Reynobond and Reynolux®. And each of our product offerings provide the durability to ensure your project will look pristine for years to come—with minimal maintenance.

We're constantly extending our range of support services, such as comprehensive CAD drawings, custom design solutions, on-site consultation and more. Discover how we can help expand your design possibilities with many versatile solutions for any project—from inspiration to implementation.





# Reynobond® – Make a Statement.

### **Exceptionally Flat**

The strong, rigid construction of Reynobond® composite material consists of a polyethylene or fire-retardant compound core between two sheets of aluminum, brushed aluminum, zinc or copper. This creates a flat surface that virtually eliminates dimpling, buckling and oil canning—even retaining its flatness after folding!

### **Daringly Formable**

Achieve small-radius curves, reverse curves, angles, tessellated geometric shapes and other contours you never thought possible. Reynobond is easily routed, drilled, punched, cut, bent, curved and formed.

### **Distinctively Colorful**

Get outstanding color and gloss retention in a virtually limitless range of hues. Standard and custom finishes are available, including anodic colors and even nature-inspired Design Line advanced polymer finishes. Continuous coil application ensures consistent, long-lasting color.

### **Surprisingly Light**

The light weight of Reynobond allows a wide variety of design options, and installation is quick and easy. For renovation work, cladding can often be installed with little or no alteration to existing structural elements.





















Reynobond integrates easily with the curtain wall provided by most manufacturers. The result is a seamless look for a building's façade – with the added design characteristics that only Reynobond can offer.



Reynobond's family of Natural Metal products allows every component of the structure to become a design element. Reynobond's strength, weight and formability allow you to achieve designs that are not feasible with other materials.



Reynolux® Aluminum Wall Panels and Flashing Sheets are the perfect complement to our family of Reynobond Aluminum Composite Material products. The ability to combine these high-quality products in pre-matched or custom colors gives you a number of distinct design advantages.

### Safe & Compliant

Reynobond is designed and tested to meet safety and environmental building codes around the world. It is available with either a polyethylene (PE) core or a fire-resistant (FR) core material, both of which provide the flatness and formability required for your most demanding applications.



# Reynobond<sup>®</sup> Natural Metals – Strikingly Beautiful. Naturally Bold.

Get all the functional benefits of Reynobond<sup>®</sup> along with the aesthetic appeal of nature with our Reynobond Natural Metals. Our Brushed Aluminum, Zinc, and Copper composite panels give you bold options for interior and exterior walls and accents. And since it's Reynobond, you get the flatness and formability you demand that may not be possible with other building products.

### **Reynobond Natural Brushed Aluminum**

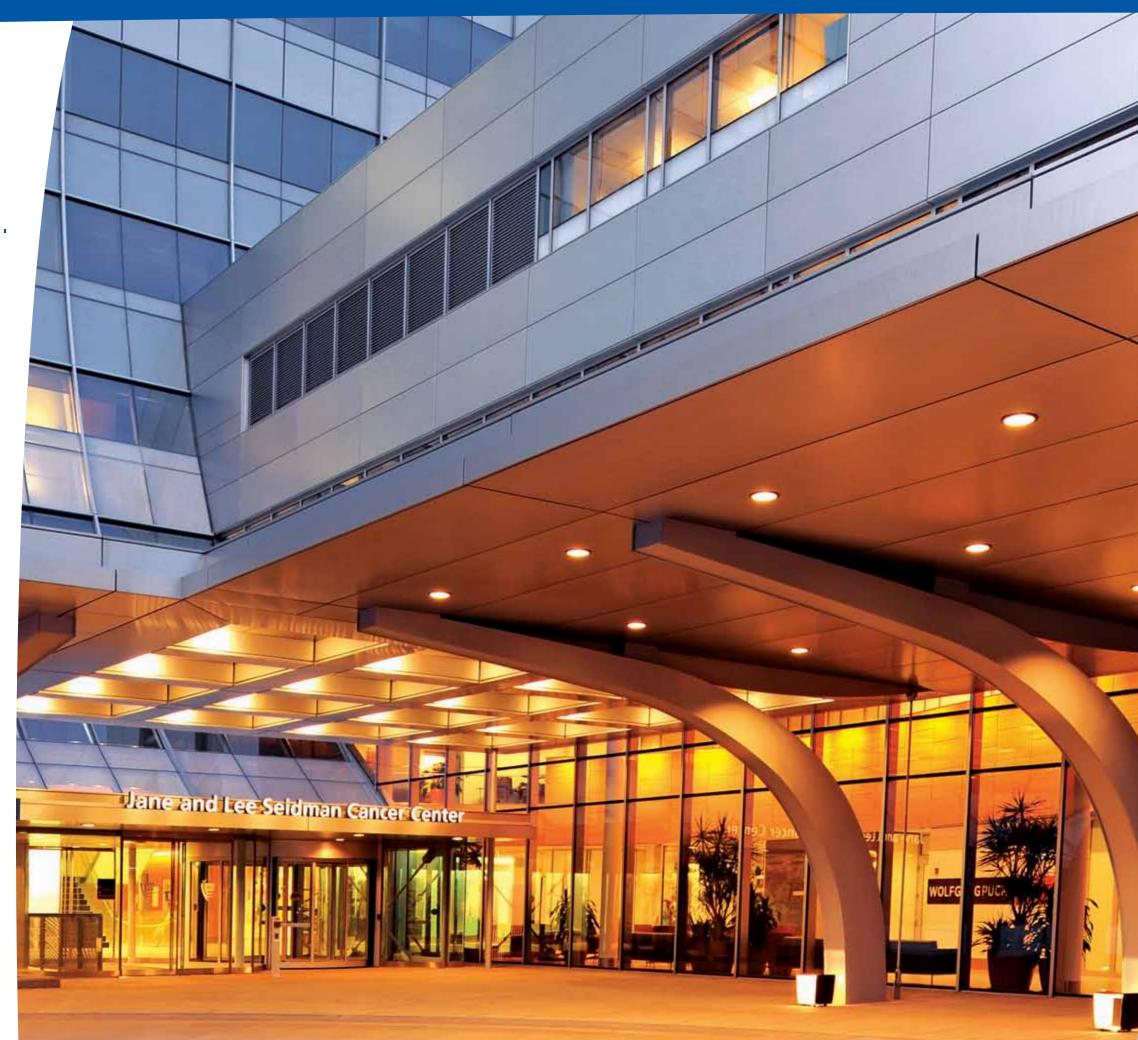
Reynobond Natural Brushed Aluminum combines the natural beauty of brushed aluminum with a high-performance protective coating to meet your consistency and durability requirements. It's ideal for exterior architectural wall panel applications, and is fingerprint resistant, making it perfectly suited for interior applications.

### **Reynobond Zinc Composite Material**

Made with a metal-zinc alloy that's stronger than common zinc, ZCM weathers naturally with no coatings required – scratches and imperfections melt away over time. It greatly expands the number of architectural applications where zinc façades and accents can be used on your building's envelope.

### **Reynobond Copper**

Created specifically for use as an interior or exterior wall accent panel, Reynobond Copper blends the natural beauty of copper with the flatness and formability of composite panels. With a natural green patina that develops over time, Reynobond Copper lends a classic look to any architectural project.



### Innovation Meets Functionality.

### Reynobond® with KEVLAR® - Lightweight. Flexible. Impact resistant.

When you combine the benefits of Reynobond® with the impact-resistant strength of KEVLAR® you get the first and only aluminum composite panel system that eliminates the need for protective heavy backer materials such as plywood, steel or concrete behind the panel system. DuPont™ KEVLAR® is five times stronger than steel on an equal weight basis, making Reynobond with KEVLAR® the only standalone aluminum composite material that meets the stringent requirements of the Miami-Dade County Building Code. It's the only light, flexible aluminum composite panel that can withstand hurricane-propelled debris and similar types of impact.



EcoClean<sup>TM</sup> is an advanced titanium dioxide coating that, when applied to Reynobond, reacts with NOx (nitrogen oxide), the primary component of smog, breaking it down into harmless nitrates. This proprietary process enables the slightest bit of moisture, such as light rain or morning dew, to wash away organic particles. EcoClean<sup>TM</sup> is a photocatalytic coating that also destroys organic pollutants in reaction with UV light. Architects and building owners who are looking for positive ways to impact the environment and keep building surfaces looking fresh over time will find Reynobond with EcoClean<sup>TM</sup> the smart, innovative way to combine form with function.

### Reynobond Face Fastened Solution – Utility meets style.

Now you can get all the durability, versatility and flexibility of Reynobond in an economical face fastened solution. It's perfect for new and retrofit projects less than 40 feet (three stories) high. Since it can withstand extreme temperatures and humidity, there are no geographic limitations on where Reynobond Face Fastened Solution can be used. And it's 100% recyclable.







# Reynobond Architectural Finishes – Variety and Durability.







### Colorweld® 500 – High-performance color that lasts.

Reynobond Aluminum Composite Material is protected and colored with enhanced, high-performance Colorweld® 500 coatings, the premier architectural coatings for metal. These finishes feature 70% Kynar 500®/ Hylar 5000® polyvinylidene fluoride (PVDF) resins with Fluoropolymer technology, coil coated to ensure the highest color uniformity and quality. They provide excellent flexibility and film adhesion for forming and offer superior resistance to humidity, impact, salt spray, pollution and abrasion. With a 30-year finish warranty, Colorweld 500 coatings exhibit outstanding color and gloss retention and improved hardness and durability.

### Reynobond Design Line – Nature. Now available in aluminum.

Now you can enjoy the aesthetic appeal of wood, mineral, granite, stone and natural patina with the durability, flexibility and strength of Reynobond in our nature-inspired Design Line finishes. These striking advanced polymer finishes create endless design possibilities, for both interior and exterior applications. All Design Line coatings are exterior grade and are backed by a 20-year finish warranty.

### Anodized Reynobond - Beauty that's much more than skin deep.

Discover a harder, smoother surface with superior resistance to abrasion and corrosion with our Anodized Reynobond. This environmentally friendly product features an inorganic anodic coating that fully integrates with the aluminum for total bonding and is unaffected by ultraviolet rays. Anodized Reynobond is available in a variety of standard and custom colors.

### General Technical Data

### Reynobond® ACM Technical Overview

Property	Units	RB120PE-3 mm	RB160PE-4 mm	RB240PE-6 mm	RB160FR-4 mm	Reynobond® with KEVLAR®
Thickness	Inches	0.118	0.157	0.236	0.157	0.157
	mm	3.0	4.0	6.0	4.0	4.0
Weight	lb/ft²	0.94	1.12	1.51	1.53	1.10
	Kg/m²	4.59	5.47	7.37	7.48	5.37
Min. Bond Strength	in-lb/in	40	40	40	22.5	40
ASTM D1781	Nm/m	178	178	178	100	178
Flatwise Shear	lb/in²	1,297	1,221	2,055	928	735
ASTM D1002	Mpa	8.94	8.42	14.17	6.4	5.07
Allowable	lb/in²	11,500	11,500	11,500	11,500	11,500
Bending Stress (1)	Mpa	79.3	79.3	79.3	79.3	79.3
Coefficient of Expansion	in/in/F	1.31x10 <sup>-5</sup>				
ASTM E228	mm/mm/C	2.36x10 <sup>-5</sup>				
Stiffness (EI)	lb in²/in	807	1,140	1,896	1,262	776
	Mpa cm⁴/m	9.1x10 <sup>3</sup>	12.8x10 <sup>3</sup>	21.4x10 <sup>3</sup>	14.3x10 <sup>3</sup>	8.7x10 <sup>3</sup>
Flexural Modulus	lb/in²	8.3x10 <sup>6</sup>	6.0x10 <sup>6</sup>	4.0x10 <sup>6</sup>	6.7x10 <sup>6</sup>	4.08x10 <sup>6</sup>
Aged per ASTM C393 (2)	Mpa	57.2x10 <sup>3</sup>	41.4x10 <sup>3</sup>	27.6x10 <sup>3</sup>	46.2x10 <sup>3</sup>	28.2x10 <sup>6</sup>
Moment of Inertia	in⁴/in	0.97x10 <sup>-4</sup>	1.89x10 <sup>-4</sup>	4.58x10 <sup>-4</sup>	1.89x10 <sup>-4</sup>	1.89x10 <sup>-4</sup>
	cm⁴/m	0.159	0.310	0.751	0.310	0.310
Section Modulus	in³/in	1.65x10 <sup>-3</sup>	2.41x10 <sup>-3</sup>	3.88x10 <sup>-3</sup>	2.41x10 <sup>-3</sup>	2.41x10 <sup>-3</sup>
	cm³/m	1.065	1.555	2.503	1.555	1.555
Tensile Yield	lb/in²	8,300	6,405	5,314	6,367	15,700
ASTM D638	Mpa	57.23	44.16	36.64	43.90	108.25
Flatwise Tensile	lb/in²	1,483	1,371	1,099	961	513
ASTM C297	Mpa	10.22	9.45	7.58	6.62	3.53

<sup>(1)</sup> Allowable stress may be increased by 33% for wind load.

Information contained herein or related hereto is intended only for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. Such information is believed to be reliable, but Alcoa Architectural Products ("Alcoa") shall have no responsibility or liability for results obtained or damages resulting from such use. Alcoa grants no license under, and shall have no responsibility or liability for infringement of, any patent or other proprietary right. Nothing in this document should be construed as a warranty or guarantee by Alcoa, and the only applicable warranties will be those set forth in Alcoa acknowledgement or in any printed warranty documents issued by Alcoa. The foregoing may be waived or modified only in writing by an Alcoa officer.

### **Paint Finish Quick Specification Reference**

	CW 500/CW 500XL	DURAGLOSS® 5000	DURAGLOSS® 3000	CORAFLON®	FLUOROBRITE™	COLORWELD® 100
Warranty	30 yrs.	15 yrs.	10 yrs.	20 yrs.	5 yrs.	5 yrs.
Resin Type	70% PVDF	Modified Polyester	Modified Polyester	FEVE	FEVE	Polyester
UV Performance	* * * *	* * * *	***	* * *	**	*
Gloss Range	20% – 35%	25% – 35%	20% – 80%	20% – 35%	20% – 80%	20% – 80%
Colors	Opaques Metallics	Opaques Metallics	Opaques Metallics Bright Colors	Opaques Metallics	Bright Colors	Opaques Metallics Bright Colors
Economics	\$\$\$\$	\$\$\$	\$\$	\$\$\$\$\$	\$\$\$\$\$	\$

### **Product Availability**

	Thickness	Standard Widths**	Standard Lengths*
RB120PE-3 mm	3 mm ( 0.118")	Consult for program widths including: 1000 mm (39.37") 1220 mm (48") 1270 mm (50") 1295 mm (51") 1524 mm (60") 1575 mm (62")	1220 mm (48") to 6172 mm (20' 3")
RB160PE-4 mm	4 mm	1270 mm (50")	1220 mm (48") to
	(0.157")	1575 mm (62")	6172 mm (20' 3")
RB240PE-6 mm	6 mm	1270 mm (50")	1220 mm (48") to
	(0.236")	1575 mm (62")	6172 mm (20' 3")
RB160FR-4 mm	4 mm	1270 mm (50")	1220 mm (48") to
	(0.157")	1575 mm (62")	6172 mm (20' 3")
Reynobond with KEVLAR®	4 mm	1270 mm (50")	1220 mm (48") to
	(0.157")	1575 mm (62")	6172 mm (20' 3")

### Safety/Class A Rating Per ASTM E84

	Flame Spread	Smoke Developed
Reynobond PE without Joint	PASS* CLASS A	PASS* CLASS A
Reynobond PE with Joint	PASS* CLASS A	PASS* CLASS A
Reynobond FR with Joint	PASS* CLASS A	PASS* CLASS A
Reynobond with KEVLAR®	PASS* CLASS A	PASS* CLASS A

<sup>\*</sup>Flame spread  $\leq$  25, smoke developed  $\leq$  450.

### **Building Code Recognition**

Southwest Research Institute Design Listing	No. 01.25000.02.197
IBC 2009	MEA 75-91-M, MEA 390-99-M
ICC-ES AC25 Report	Pending
State of Wisconsin Approval	No. 990033-I
Miami-Dade N.O.A.*	No. 09-0625.01, No. 10-1118.05, No. 11-1102.01
Florida Product Approval	FL10220 Validated
Canadian Fire Test	CAN S101
Canadian Fire Test	CAN S102
Canadian Fire Test	CAN S134

Chicago • Canada • United Kingdom • Singapore Australia • New Zealand • Malaysia • France Germany • China • Hong Kong • Poland • Israel

<sup>(2)</sup> Reynobond with KEVLAR® flex modulus fabric side up.

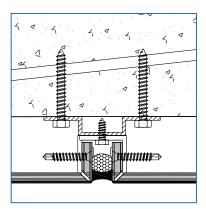
<sup>\*</sup>Consult for standard lengths. \*\*Consult for color & finish availability.

<sup>\*</sup>The Miami-Dade County Building Code stipulates that panel systems withstand the impact of a 9-pound, 2x4 timber traveling at 50 feet per second.

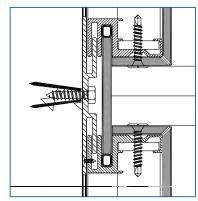
For a complete technical overview of all Reynobond products, visit reynobond.com.

### Common Installation Methods

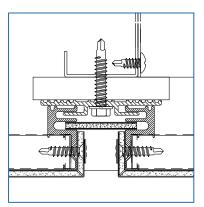




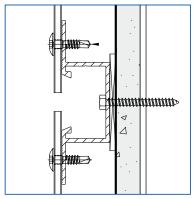
Wet-Seal System



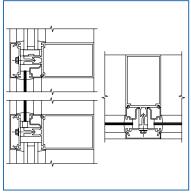
**Dry-Seal Installation System** 



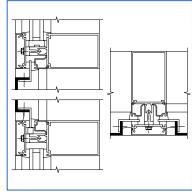
Rainscreen



**Face Fastened Solution** 



**Curtain Wall Glazed-In Panel** 



**Curtain Wall Flush Panel** 

### **Alcoa Architectural Products**

50 Industrial Boulevard Eastman, GA 31023-4129 Tel. 800 841 7774

reynobond.com







### **SWING DOOR SYSTEMS**

MAGIC-FORCE™, MAGIC-SWING®, MAGIC-ACCESS™



### STANLEY

### **Security Solutions**

**Stanley Access** Technologies, LLC has been the recognized leader in the automated door industry for almost 80 years. Stanley **Access Technologies** produces state-of-theart automatic doors for a wide variety of commercial, institutional, industrial and transit applications, offering sliding, swinging, revolving and folding doors as well as a variety of sensors and controls. In addition to manufacturing and installing these products, Stanley offers comprehensive service and maintenance programs that can be customized to meet your ever-changing business needs.

**Stanley Access** Technologies...North America's Leading **Automatic Door Provider** 



### MAGIC-FORCE™ OPERATOR

The Magic-Force operator is field adjustable to work in both full energy and low energy applications making it ideal for use in supermarkets, department stores, hospitals, airports, office buildings, public buildings, schools and universities.

### Magic-Force™ Door Operators:

- Require only simple tune-in adjustments for fast, trouble-free installation.
- Resist wind and stack pressure conditions to maintain smooth, controlled operation.
- Adjustable Spring Force.
- Non-Handed.
- In or Out Swing.
- Concealed, Visible or Bottom Load.
- Full or Low Energy.



Additional Features:

- Available with Swing-Guard<sup>™</sup>, Sentrex<sup>™</sup> or other safety sensor systems.
- Activating methods include mats, push plates, radio controls & motion sensors.
- UL®-Certified for use as a fire door
- Provide safe pedestrian movement at all times with activation and safety sensors.
- Adjustable spring provides variable force
- Act as a mechanical closer for manual operation in the event power is shut off.
- Complies with all U.S. and Canadian ADA requirements, including ANSI/BHMA A117.1 and A156.19.



Magic-Force Low-Energy in Hospitality Application

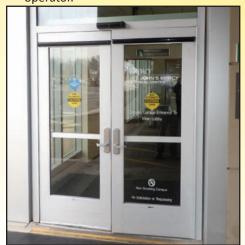
### MAGIC-SWING® OPERATOR

The Magic-Swing® operator provides easy access, reliable performance and safe operation in high-traffic retail, commercial and industrial applications.



Magic-Swing Door Operators:

- Available with Swing-Guard™, Sentrex™ or other safety sensor systems.
- Activating methods include mats, push plates, radio controls & motion sensors.
- Surface Mount Header models afford fast and easy retrofits.
- UL®-certified for use as a fire door operator.



Magic-Swing in Hospital Exterior Application

Stanley Access Technologies, LLC 1-800-7-ACCESS

### MAGIC-ACCESS™ OPERATOR

The Magic-Access low energy operator is engineered to meet the most demanding applications and provides automation to virtually any new or existing swing door.

The Magic-Access offers a variety of operating functions:

- Operates as a manual door with the option of activation from a push button, wall-switch, card reader, or other knowing act device.
- Operates as a manual door with the option of the Magic-Touch™ feature.



Magic-Access Hospital Corridor Application

Magic-Access Door Operators:

- Comply with all U.S. and Canadian ADA requirements, including ANSI/BHMA A117.1 and A156.19.
- Work with any metal, wood or glass door; hinged, offset, or pivot center.
- Retrofit conventional doors for a cost effective solution.
- Features Magic-Touch™ activation, no mat or sensor needed.
- Operate from any standard 120VAC outlet with no special wiring needed.
- Act as a mechanical closer for manual operation in the event power is shut off.
- React immediately to any obstacle, so an opening door will stop at any point in its swing cycle.



Magic-Access in Commercial Application



#### **CONTROLS AND ACTIVATION**

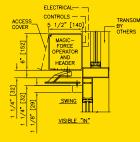
Stanley push button controls are available with large, easy-to-activate push plates. Hard-wired or radio controlled push plates are available in a wide variety of finishes, sizes, profiles and logo choices. Switches may also be mounted to posts and rails for maximum convenience and accessibility. Wireless radio equipment provides reliable activation.

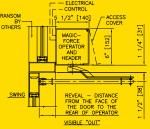
#### **UL® FIRE-RATING**

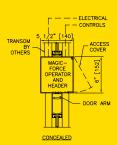
Magic-Swing<sup>®</sup>, Magic-Force<sup>™</sup> and Magic Access® are UL-certified for use as Fire Door Operators on single-swing(or pairs of) fire-rated doors (wood core, hollow metal and steel covered composite type door assemblies) in the U.S. and Canada.

### MAGIC-FORCE™ & MAGIC-SWING® SWING DOOR OPERATORS

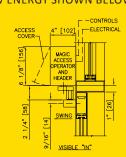
MAGIC-FORCE FULL ENERGY SHOWN BELOW

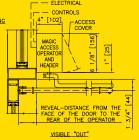


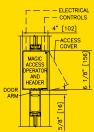




MAGIC-ACCESS® **SWING DOOR OPERATORS** LOW ENERGY SHOWN BELOW



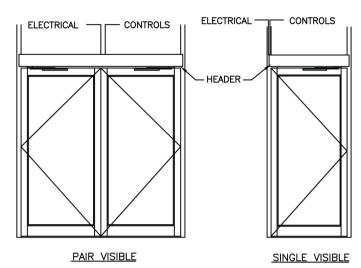






MAG	IC-FORCE™ OPERATOR
Header Size	6.0" (152mm) high x 5.5" (140mm) deep
Swing Door Panels	Up to 48" (1220mm)
Door Panel Weight	Up to 350lbs (160kg)
Drive System	3/16HP DC motor, gear drive
Controller	Microprocessor-based with built-in "reverse- on-obstruction" and Magic-Touch actuation
Sensors	Swing-Guard, Sentrex, SU-100, mats and wireless controls are available
Breakout	Automatic reset (center hung)
Power Required	120 VAC, 5 amps min., 50/60 HZ
Code Compliance	UL, cUL, ANSI/BHMA A156.10, ANSI/BHMA A156.19, IBC, NFPA 101
MAG	IC-SWING® OPERATOR
Header Size	6.0" (152mm) high x 5.5" (140mm) deep
Swing Door Panels	Up to 54" (1371mm)
Door Panel Weight	Up to 700lbs (320kg) standard
Drive System	1/4HP DC motor, gear drive, ball screw actuator, rack and pinion
Controller	Microprocessor-based, safety logic, diagnostics set-up and tune
Sensors	Swing-Guard, Sentrex, SU-100, mats and wireless controls are available
Breakout	Automatic reset (center hung)
Power Required	120 VAC, 5 amps min., 50/60 HZ
Code Compliance	UL, cUL, ANSI/BHMA A156.10, IBC, NFPA 101
MAGI	C-ACCESS™ OPERATOR
Header Size	6.0" (152mm) high x 4.0" (102mm) deep
Swing Door Panels	Up to 42" (1067mm)
Door Panel Weight	Up to 125lbs (57kg)
Drive System	1/8 HP DC motor, gear drive, "low-energy"
Controller	Built-in "reverse-on-obstruction" and Magic- Touch actuation
Sensors	Mats, push plates and wireless controls are available
Breakout	Breakaway door stop available
Power Required	120 VAC, 5 amps min., 50/60 HZ
Code Compliance	UL, cUL, ANSI/BHMA A156.10, ANSI/BHMA

A156.19, IBC, NFPA 101



Swing Door Products from Stanley Access Technologies

For years, Stanley swing door operators have provided easy access and smooth traffic flow in high-traffic retail, commercial and industrial applications with unbeaten performance and reliability.

- Designed to fit a wide range of swing applications
- Choose from low-energy to full energy solutions
- Controller configuration via Bluetooth® Technology
- Most solutions powered by an advanced microprocessor controller for intelligent performance
- Door packages are custom manufactured to fit your job requirements











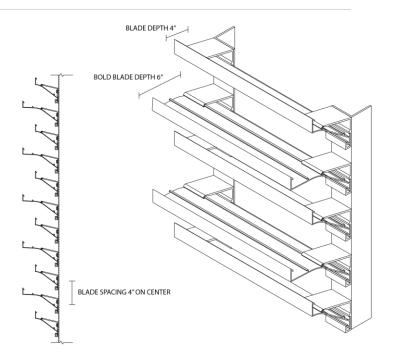


### **PRODUCT DATA**

### Standard Construction\*

Grille Type	VB-640 Vision Barrier
Blade Material	Extruded Aluminum (Alloy 6063-T52)
Blade Thickness	.068"
Blade Spacing	4" on Center
Blade Depth	Alternating 4" and 6" Deep
Blade Length	Up to 20' Based on Wind Load
Fasteners	Stainless Steel or Aluminum
Construction	Mechanically Fastened
Secured to Supports	Extruded Aluminum Clip Angles
Support Material	Steel (by others)

<sup>\*</sup> When custom configuration is chosen CS shop drawings to serve as product data



### RECOMMENDED SPECIFICATION

CS VB-640 screenwall is produced from extruded aluminum sections constructed from a minimum 0.068" thick aluminum and spaced 4" on center. Grille to be mechanically secured to continuous extruded aluminum supports. Aluminum supports fixed directly to horizontal steel supports (not by CS) with extruded aluminum clip angles. All materials are available in CS Powder Coat and Metallic Fluoropolymer finishes. Custom color matching is available upon request. Please contact your local CS representative or the factory for assistance with the layout and design of support systems when required.

#### General

Furnish and install where indicated on the drawings CS VB-640, as manufactured by Construction Specialties Inc. Screenwall system to be provided in material, sizes, depth, arrangement and metal thickness as indicated or as required for optimum performance with respect to strength, performance, durability, and uniform appearance.

#### Material

Screenwall system to be fabricated from Aluminum Extrusions: ASTM B211, Alloy 6063-T5, 6063-T6 or 6061-T6 and Aluminum Sheet: ASTM B3209, Alloy 1100, 3003 or 5005. ALL FASTENERS TO BE STAINLESS STEEL OR ALUMINUM SYSTEM TO BE SUPPLIED KNOCKED DOWN FOR FIELD ASSEMBLY.

#### Structural Design

Structural supports shall be designed and furnished by the grille manufacturer to carry a wind load of not less than \_\_\_\_\_ psf (kPa) . (Note: If this paragraph is omitted or if the design wind load is not specified, the grille will be manufactured in stock lengths up to 20'-0" long, knocked down for field assembly. Any additional structural supports required to adequately secure these grille units within the system shall be the responsibility of others.)

### **FINISH OPTIONS**

#### **Finishes**

Comply with NAAMM "Metal Finishes Manual" for finish designations and application recommendations, except as otherwise indicated. Apply finishes in factory. Protect finishes on exposed surfaces prior to shipment. Remove scratches and blemishes from exposed surfaces that will be visible after completing finishing process. Provide color as indicated or, if not otherwise indicated, as selected by architect.

### Choose one of the following:

#### A.100% Fluoropolymer Resin Powder Coat System

Complying with AAMA-2605 standards. Finish thickness to be 1.5 to 3.0 mils. Finish to allow zero VOCs to be emitted into facility of application or at job site. Finish to adhere to a 4H Hardness rating. Furnish manufacturer's 20-year warranty for finish.

### **B. Three Coat Fluoropolymer Metallic Coating**

To be finished with a minimum 1.4 mil (0.035mm) thick full strength 70% resin, 3 coat Fluoropolymer system. All aluminum shall be thoroughly cleaned, etched and given a chromated conversion pretreatment before application of the Kynar/Hylar coating. The coating shall consist of a primer, a high metallic color coat and a clear PVF2 topcoat. It shall receive a bake cycle of 17 minutes at 4500F. All finishing procedures shall be one continuous operation in the plant of the manufacturer. Manufacturer to furnish an extended 20-year limited warranty for the Kynar/Hylar coating. This limited warranty shall begin on the date of material shipment.

#### C. Wood Grain Powder Coat Finish

E-CLPS Chrome free five-stage aluminum pretreatment system. Complies with AAMA 2603 and AAMA 2604 Superior Performance Standard and meets EPA, OSHA, State and Local environmental requirements. Wood finishes use a polyurethane powder coat with ink-based wood grain patterns sublimated into the base powder. Finish to allow zero VOCS to be emitted. Furnish manufacturer's 10-year limited warranty.

### **ALUMINUM CYLINDERS**

Sleek, cylindrical forms in elegant finish selections. Die-cast aluminum wall brackets and heavy-duty aluminum framing. Fade and chip-resistant. UL listed for wet locations when used with lens cover.

### 5" ALUMINUM CYLINDERS

PRODUCT NO.	. FINISH	DESCRIPTION	SIZE	LAMP(S)
P5674-20 P5674-30 P5674-31 P5674-82	Bronze White Black Metallic Gray	One-light down	5" W., 7-1/4" ht. Extends 8". H/CTR 2-1/2".	1 75w PAR-30 or 75w BR-30
P5675-20 P5675-30 P5675-31 P5675-82	Bronze White Black Metallic Gray	Two-light up/down For wet locations specify P8799 top cover lens.	5" W., 14" ht. Extends 8". H/CTR 7".	2 75w PAR-30
P5774-20 P5774-30 P5774-31	Bronze White Black	One-light. Mounts flush to ceiling	5" dia., 6-3/4" ht.	1 75w PAR-30 or 75w BR-30

### **FINISHES**

- Bronze 20
- O White 30
- Black 31
- Metallic Gray 82





P5675-20













P5774-20

P5774-30

P5774-31

P5674-31

P5674-20

P5674-82

### 6" ALUMINUM CYLINDERS

PRODUCT NO.	FINISH	DESCRIPTION	SIZE	LAMP(S)
P5641-20 P5641-30 P5641-31 P5641-82	Bronze White Black Metallic Gray	One-light down	6" W., 12" ht. Extends 8-7/8". H/CTR 4-1/2".	1 250w PAR-38 or 150w BR-40
P5642-20 P5642-30 P5642-31 P5642-82	Bronze White Black Metallic Gray	Two-light up/down. For wet location specify P8798 top cover lens.	6" W., 18" ht. Extends 8-7/8". H/CTR 8".	2 250w PAR-38 or 150w BR-40
P5741-20 P5741-30 P5741-31	Bronze White Black	One-light cylinder. Mounts flush to ceiling or hangs with pendant accessory kit.	6" dia., 12" ht.	1 250w PAR-38 or 150w BR-40













#### PRECAST FINISHES

Precast concrete comes in almost an unlimited array of colors, forms and textures including exposed concrete, veneers of traditional materials, or a combination of both.

**As-Cast (i.e. form finish)** – This requires no additional finishing. The surface is left as is, as it comes out of the form.

**Acid-Etched** – This process uses acid with high pressure water to etch the surface of the concrete. This usually darkens the finish and leaves a sparkle or "sugar-cube" effect.

**Abrasive Blasted (e.g. sand-blasted)** – This process uses a blasting material (commonly sand) to abrade away the surface. This typically frosts, and lightens the surface.

**Exposed Aggregate (surface retarder)** – This process uses a chemical surface retarder which is applied onto the forms prior to casting. The chemical retards the set of the cement so that it may be removed (usually by water blasting) the next day. This results in exposure of the aggregate while preserving its natural beauty and texture.

**Polishing** – This process uses a series of diamond grinding wheels to polish the surface. This results in exposure of the aggregate with a smooth polished finish similar to polished granite.

PDS will provide a full size material example for review.



Product Number: 231
Texture: Retarded
Color: White
Concrete Color: White
Exposure: Medium
Finish:
Fine Aggregation: Fine Aggregation

Description: Fine Aggregate: crushed white marble; Coarse Aggregate: 60% - 1/2 to 1/4 in. amber quartz, 40% - 1/2 to 1/4 in. white quartz

Back to Results



Product Number: 498
Texture: Acid Etched
Color: Brown
Concrete Color: Grey
Exposure: Light
Finish:

Description: Fine Aggregate: reddish brown concrete sand; Coarse Aggregate: 3/8 to 1/8 in. reddish brown river gravel; Pigment: brown

Back to Results







Date:	Customer:		selux
Project:			2C(OV
Type:		Otv.	

### M125

LED Direct

Order Code:

L125



L125	Series	L125 M125 LED Direct Multi-Mount Form							
	Light Engine	<b>1B45</b> <sup>1,2</sup> 1116lm/11.9W per foot	<b>1B40</b> <sup>1</sup> 1009lm/10.6W per foot	<b>1B35</b> <sup>1</sup> 888lm/9.3W per foot	1B30 <sup>1</sup> 758lm/7.8W per foot	1B25 <sup>1</sup> 680lm/6.9 per foot	1B20 <sup>1</sup> 9W 513lm/5.1V per foot	N	<sup>1</sup> Values calculated from a 4' fixture @4000l using LI Shielding and DIM driver. For additional information please see page 2. <sup>2</sup> Not available with DC2 or DE1 drivers for
		<b>2B45</b> <sup>1,2</sup> 2025lm/23.5W per foot	2B40 <sup>1</sup> 1830lm/20.9W per foot	<b>2B35</b> <sup>1</sup> 1610lm/18.3W per foot	<b>2B30</b> <sup>1</sup> 1376lm/15.3W per foot	<b>2B25</b> <sup>1</sup> 1233lm/13 per foot	2B20 <sup>1</sup> 3.5W 930lm/10 per foot	.1W	4' fixtures.
	ССТ	<b>27</b> 2700K	<b>30</b> 3000K	<b>35</b> 3500K	<b>40</b> 4000K				
	Shielding	LI Clear Glass with LED Optimized Inlay	MI Clear Lens with Micro- prismatic Inlay	PC <sup>3</sup> Prismatic Lens	SD <sup>3</sup> Satine Lens				<sup>3</sup> JK10 Rated
	Mounting	<b>F</b> Surface	RS Rigid Stem	TS 1" Studs (factory installed)	<b>W</b> Wall Mount				
	Nominal Fixture Length	<b>02</b> 2 ft.	<b>03</b> 3 ft.	<b>04</b> 4 ft.		up to the neares	' nominal incre- st foot and replace nominal)	;	<sup>4</sup> See page 2 for details
	Finish	WH White	<b>BK</b> Black	<b>BL</b> Semi-Matte Black	<b>SV</b> Silver	<b>SP</b> Specify Pren	mium Color	Custom colors are available, Please consult factory	
	Voltage	<b>UNV</b> 120 thru 277 50/60hz capable	347 Volt (consult factory)	)					<sup>5</sup> 347V not available with EM internal battery option
	Driver	DIM <sup>9</sup> 0-10V (Linear)	DIL <sup>9</sup> 0-10V (Logarithmic)	DED° eldoLED ECOdrive DALI (Logarithmic)	DC2 <sup>7,8,9</sup> Lutron 2-Wire	<b>DE1<sup>7,9</sup></b> Lutron Eco-System	DC5° Lutron 5-Series	SR <sup>6,9</sup> Philips Xitanium SR (DALI)	<ul> <li>For use with external sensors, by others</li> <li>Not available with 4" 1B45 or 2B45 light engines</li> <li>120V only</li> <li>See page 9 for details</li> </ul>
	Fixture Options	MT <sup>12</sup> Media Trunking	FS Single Fusing	NC <sup>10</sup> Nipple Connector	TR Tamper Resistant				<ul> <li>Not required when MT is used</li> <li>Fixture not rated for use as a raceway</li> <li>Consult factory for Surface Mount</li> </ul>
		EFC End Feed Left (for conduit)	EFR End Feed Right (for conduit)	EFB <sup>11</sup> End Feed Both Ends (for conduit daisy chain)	SS Separate t Switching (consult factory	NF Natatorium Fi (consult facto )			
	Emergency Options	EC13,14 Emergency Circuit Wiring	EMR <sup>14</sup> Remote Micro Inverter (consult factory)	EM13,14,15 Integral EM battery pack					<sup>13</sup> See page 10 for full details and restriction <sup>14</sup> For EM with sensors please consult factor <sup>15</sup> 4' available with DM driver only, 26' available with all driver options





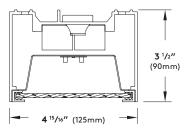












#### Construction:

**Housing -** Continuous, 6063-T6 extruded aluminum profile up to 4 feet long. Die cast aluminum end caps made from low copper, marine-grade aluminum alloy.

Geartray - Formed aluminum.

**Shielding** - Choice of tempered clear glass with LED optimized inlay or microprismatic inlay; 4mm Satine or clear polycarbonate prismatic lenses available (IK10 with polycarbonate or Satine lenses only).

- Gasket: One-piece silicone gasket fully seals (IP65) for weather-proofing, dust, and insect control.

**Fixture Door –** Secure, completely sealed at all points of entry from water, insects, and dust. Two captive stainless steel screws allow access to LED Light Engine. Door remains captive when servicing with corrosion protected steel safety cable on both ends.

**Mounting(s)** - Surface Mount (F), Rigid Stem (RS), 1" Studs (TS), or Wall Mount (W).

- Surface Mount (F): Rubber grommet in 13/16" feed hole provided for feed wire. Mounts with ¼" sealing washers, screws provided by others.
- 5/6" OD Steel Rigid Stem (RS): 48" maximum standard suspension from ceiling to top of luminaire. Stem and canopy are White.
- $\emptyset$ 1/4" Threaded Rod (TS): ¼"-20 stud only. Couplers and Rod by others.
- Media Trunk (MT): Provides raceway for additional cables, etc. in continuous Run or pattern applications.

**Runs** -3/6" IP nipple connector for water-tight connection between luminaires in a Run. Two connections are required per connection.

Weight - 5 lb. per foot.

#### **Electrical/Performance:**

**LED Light Engine -** Brand-name mid-power LEDs create a high efficiency LED light engine able to provide a lumen maintenance of 96% at 25,000 hours and 93% at 60,000 hours for 1B and 2B light engines at 25°C per TM-21 reports. Reported L70 greater than 60,000 hours.

**Delivered Lumens -** Due to LED manufacturer's tolerances, the listed output has a ±5% tolerance. For outputs based on different shielding or CCT, please see photometry section at the end.

**CCT -** Available in 2700K, 3000K, 3500K, and 4000K, tolerance within a 3-step MacAdam ellipse.

**CRI -** Min. 90.

**All Drivers** - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers, please see page 9.

**Emergency** - There are multiple emergency options available - emergency circuit, remote micro inverter, and integral battery pack. All options compliant with UL 924 listed emergency luminaire. Please consult factory for use of sensors with emergency options. For more details on EC and EM options, see page 11.

#### Thermal Performance:

**Ambient Operating Temperature -** Luminaires suitable for maximum ambient temperature of 35°C (95°F) for all drivers.

Luminaires are suitable for minimum ambient temperatures of:

-40 °C (-40 °F) for DIM, DIL, and DED drivers.

-20°C (-4°F) for SR drivers. 0°C (32°F) for DC2, DE1, and DC5 drivers.

#### Luminaire Finish:

**Powder Coat** - All Selux luminaires are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphate, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention.

Standard interior colors are White (WH), Black (BK), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

#### Warranty:

### 5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the M125 series LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature. For additional details and exclusions, see "Selux Terms and Condition of Sale."

### **Certifications and Compliance:**

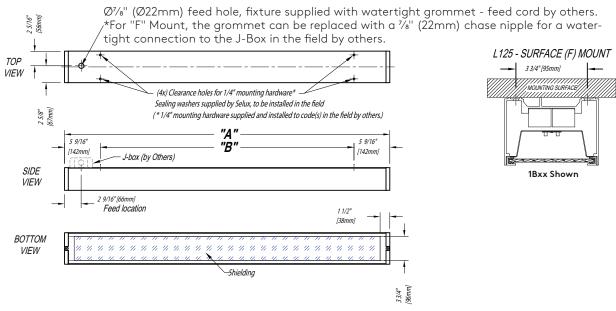
NRTL - For Dry, Damp, and Wet Locations (i.e. cULus; cCSAus)

ARRA Compliant RoHS Compliant ADA Compliant IP65 Rated IK10 Rated

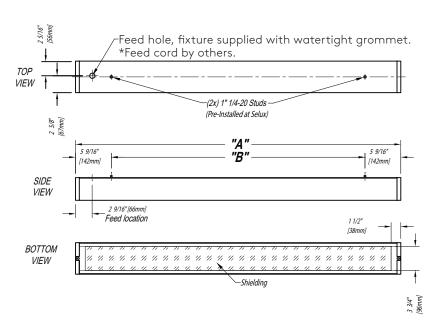


#### **Individual Mounting Details**

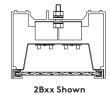
Mounting hardware by others. Outlet box by others. 4' fixture shown as reference.



#### L125-xxxx-xx-xx-TS-004-xx-xx



L125 - 1/4-20 THREADED ROD (TS) MOUNT



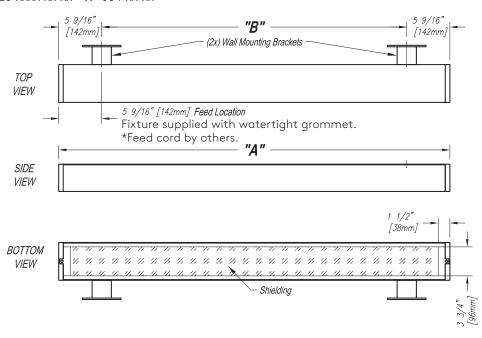
Surface ( <b>F</b> ) & Threaded Stud ( <b>TS</b> ) Mounting Dimensions				
	1Bxx or 2Bxx			
	" <b>A</b> " Housing Length	" <b>B</b> " Suspension		
2 Foot Individual	2' - 3 ¾" (705mm)	1' - 3 ½" (396mm)		
3 Foot Individual	3′ - 2 ¹³/₁₀″ (985mm)	2'- 3 %" (701mm)		
4 Foot Individual	4′ - 2 <sup>13</sup> /16″ (1290mm)	3′ - 3 <sup>5</sup> /8″ (1006mm)		

### selux

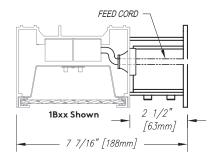
### **Individual Mounting Details**

Mounting hardware by others. Outlet box by others. 4' fixture shown as reference.

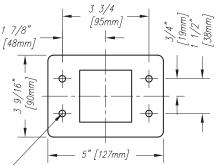
### L125-xxxx-xx-xx- W-004-xx-xx



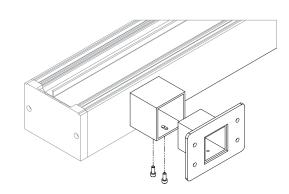
### L125 - WALL (W) MOUNT



### Mounting Plate detail



(4x) Clearance holes for 1/4" mounting hardware, mounting hardware and J-box supplied and installed to code(s) in the field by others.



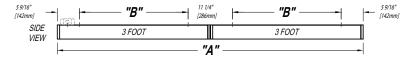
Wall ( <b>W</b> ) Mounting Dimensions				
	1Bxx or 2Bxx			
	" <b>A</b> " Housing Length	" <b>B</b> " Suspension		
2 Foot Individual	2' - 3 ¾" (705mm)	1' - 3 %" (396mm)		
3 Foot Individual	3′ - 2 <sup>13</sup> / <sub>16</sub> ″ (985mm)	2′- 3 %" (701mm)		
4 Foot Individual	4′ - 2 <sup>13</sup> /16″ (1290mm)	3′ - 3 ½″ (1006mm)		



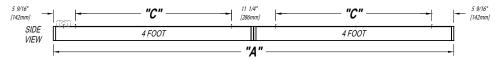
#### **Linear Run Mounting Details**

Nipple Connectors (NC) provide waterproof wiring between fixtures, connected in the field. Mounting hardware by others. Outlet box by others. For custom configurations and lengths, please consult factory.

### L125-xxxx-xx-xx-F -006-xx-xx-NC



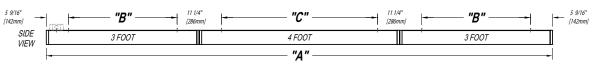
#### L125-xxxx-xx-xx-F -008-xx-xx-NC



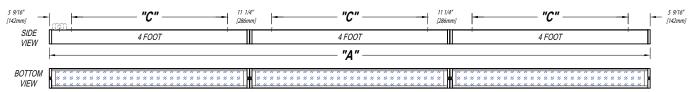
#### L125-xxxx-xx-xx-F -009-xx-xx-NC



#### L125-xxxx-xx-xx-F -010-xx-xx-NC



### L125-xxxx-xx-xx-F -012-xx-xx-NC

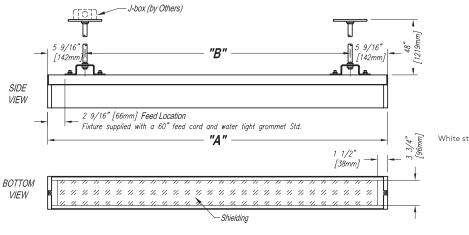


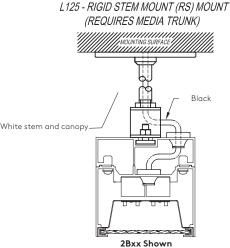
SURFACE (F), THREADED STUD (TS) AND WALL (W) MOUNTING DIMENSIONS			
	1Bxx or 2Bxx		
	"A" HOUSING LENGTH	"B" SUSPENSION	"C" SUSPENSION
6 foot run	6' - 5 5/8" [1972mm]	2' - 3 5/8" [701mm]	N/A
8 foot run	8' - 5 5/8" [2582mm]	N/A	3' - 3 5/8" [1006mm]
9 foot run	9' - 8 7/16" [2958mm]	2' - 3 5/8" [701mm]	N/A
10 foot run	10' - 8 1/2" [3263mm]	2' - 3 5/8" [701mm]	3' - 3 5/8" [1006mm]
12 foot run	12' - 8 1/2" [3873mm]	N/A	3' - 3 5/8" [1006mm]

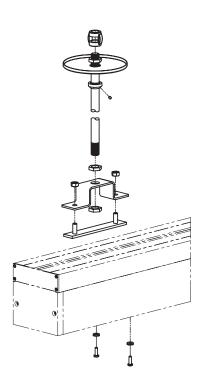


### Individual Rigid Stem (RS) Mounting Details

Mounting hardware by others. Outlet box by others. 4' fixture shown as reference.





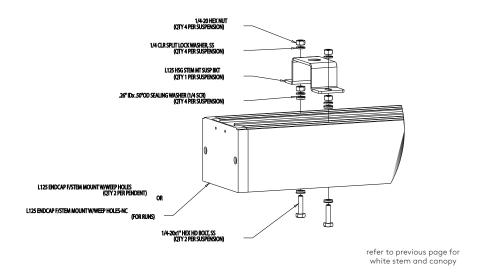


Rigid Stem ( <b>RS</b> ) with Media Trunk ( <b>MT</b> ) Mounting Dimensions			
	1Bxx or 2Bxx		
	" <b>A</b> " Housing Length	" <b>B</b> " Suspension	
2 Foot Individual	2' - 3 ³¼" (705mm)	1' - 3 %" (396mm)	
3 Foot Individual	3′ - 2 <sup>13</sup> / <sub>16</sub> ″ (985mm)	2′- 3 %" (701mm)	
4 Foot Individual	4′ - 2 <sup>13</sup> /16″ (1290mm)	3′ - 3 ½″ (1006mm)	

### selux

#### Individual Rigid Stem (RS) Mounting Details

Mounting hardware by others. Outlet box by others. 4' fixture shown as reference.









Rigid Stem ( <b>RS</b> ) with Media Trunk ( <b>MT</b> ) Mounting Dimensions						
	1Bxx or 2Bxx					
	" <b>A</b> " Housing Length	" <b>B</b> " Suspension				
2 Foot Individual	2' - 3 <sup>3</sup> / <sub>4</sub> " (705mm)	1' - 3 %" (396mm)				
3 Foot Individual	3′ - 2 <sup>13</sup> /16″ (985mm)	2'- 3 %" (701mm)				
4 Foot Individual	4′ - 2 <sup>13</sup> /16″ (1290mm)	3′ - 3 ½″ (1006mm)				

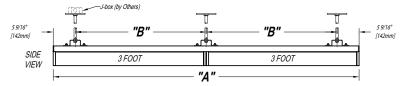
For other lengths, lamping, continuous runs or configurations please specify overall length (in feet), accessories desired and sketch/drawing of configuration. Selux will detail project drawings upon order and supply submittal drawings for approval. If you have any questions, contact Selux customer service or applications engineering for assistance (1-800-SELUX-CS).



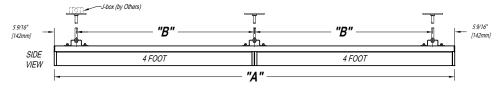
#### **Linear Run Mounting Details**

Media Trunk (MT) required for all Rigid Stem (RS) linear run configurations. Nipple Connectors (NC) are not needed when Media Trunk (MT) is used. Mounting hardware by others. Outlet box and lamp(s) by others. For custom configurations and lengths, please consult factory.

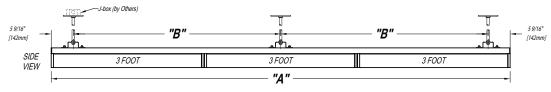
#### L125-xxxx-xx-xx-RS -006-xx-xx-MT



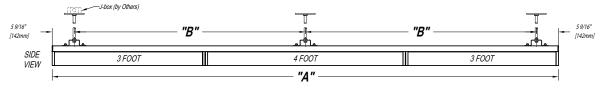
#### L125-xxxx-xx-xx-RS -008-xx-xx-MT



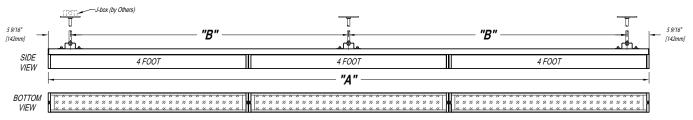
#### L125-xxxx-xx-xx-RS -009-xx-xx-MT



#### L125-xxxx-xx-xx-RS -010-xx-xx-MT



#### L125-xxxx-xx-xx-RS -012-xx-xx-MT



RIGID STEM (RS)	WITH MEDIA TRUNK (MT)	MOUNTING DIMENSIONS				
	1Bxx or 2Bxx					
	"A" HOUSING LENGTH	"B" SUSPENSION				
6 foot run	6' - 5 5/8" [1972mm]	2' - 9 1/4" [844mm]				
8 foot run	8' - 5 5/8" [2582mm]	3' - 9 1/4" [1149mm]				
9 foot run	9' - 8 7/16" [2958mm]	4' - 4 5/8" [1337mm]				
10 foot run	10' - 8 1/2" [3263mm]	4' - 10 5/8" [1490mm]				
12 foot run	12' - 8 1/2" [3873mm]	5' - 10 5/8" [1795mm]				

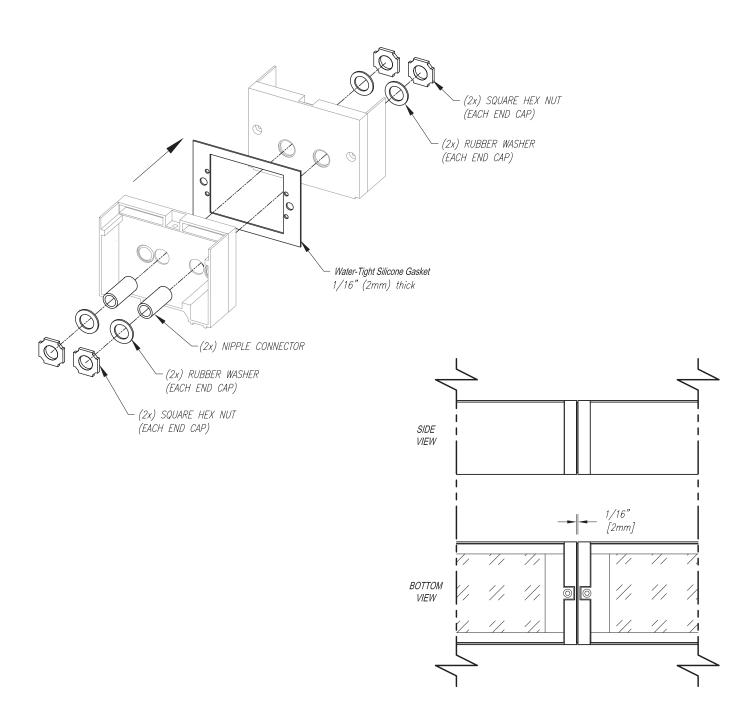
For other lengths, lamping, continuous runs or configurations please specify overall length (in feet), accessories desired and sketch/drawing of configuration. Selux will detail project drawings upon order and supply submittal drawings for approval. If you have any questions, contact Selux customer service or applications engineering for assistance (1-800-SELUX-CS).



#### **Mounting Details**

### **Nipple Connectors**

Water-tight Nipple Connectors supplied for all run configurations. Nipple Connectors are not needed when Media Trunking (MT) is used





#### **Drivers:**

#### 0-10V linear dimming (DIM)

Luminaires supplied with drivers offering the capability of either normal switched operation or 0-10V dimming for linear dimming curve. Fixtures ship wired for dimming. For on/off functionality, simply cap the dimming leads. Minimum dimming level preset at factory to 1%.

#### 0-10V logarithmic dimming (DIL)

Luminaires supplied with drivers for logarithmic dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

#### eldoLED ECOdrive DALI dimming (DED)

Luminaires supplied with ECOdrive DALI dimming driver for logarithmic dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

\* For control recommendations for eldoLED drivers, please consult eldoLED.

#### LUTRON 2-wire dimming (DC2)

Luminaires supplied with Hi-Lume 2-wire dimming driver programmed for Constant Current Reduction (CCR). For Pulse Width Modulation (PWM) dimming, please consult factory. Minimum dimming level down to 1%.

#### LUTRON Ecosystem dimming (DE1)

Luminaires supplied with Hi-Lume EcoSystem (4 wire, digital link) dimming driver programmed for Constant Current Reduction (CCR). For Pulse Width Modulation (PWM) dimming, please consult factory. Minimum dimming level down to 1%

#### LUTRON EcoSystem 5-Series dimming (DC5)

Luminaires supplied with EcoSystem 5-Series dimming driver programmed for Constant Current Reduction (CCR). For Pulse Width Modulation (PWM) dimming, please consult factory. Minimum dimming level down to 5%.

\* For control recommendations and system layout for Lutron drivers, please contact Lutron.

#### Philips Xitanium Sensor Ready DALI dimming (SR)

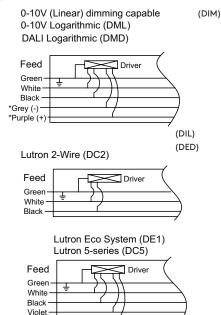
Luminaires supplied with Xitanium SR dimming driver programmed for Constant Current Reduction (CCR). Minimum dimming level down to 5%. For use with external sensors (by others).

\* For control recommendations and system layout for Philips drivers, please contact philips.

	Driver Quantity				
Light Engine		2 ft.	3 ft.	4 ft.	RUN
18	DIM, DIL, DED, and SR drivers	1	1	1	Approximately 1 driver per 4 ft.
1Bxx	DC2, DE1 and DC5 drivers	1	1	1	Consult Factory
2Bxx	DIM, DIL, DED, and SR drivers	2	2	2	Approximately 2 drivers per 4 ft.
	DC2, DE1, and DC5 drivers	2	2	2	Consult Factory

<sup>\*</sup>For inrush and control current, please refer to the driver manufacturers' spec sheets.

#### Wiring Diagrams



Standard Wiring supplied for all drivers.	Green = Ground White = Neutral Black = Hot				
-The following wire(s) are in addition to the std. above-					
0-10V Dimming for Standard driver DM (DIM)	Grey = (-) 0-10V Dimming control Purple = (+) 0-10V Dimming control				
DIL and DED	Grey = (-) Dali or 0-10V Dimming control Purple = (+) Dali or 0-10V Dimming control				
DC2	No additional wires				
DE1	Violet = "E1" Digital Link Dimming control Violet / White = "E2" Digital Link Dimming control				
DC5	Violet = "E1" Digital Link Dimming control Violet / White = "E2" Digital Link Dimming control				

Violet / White



**Fuse (FS)** - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed. (supplied with an 8A slow burn fuse).

**Separate Switching (SS)** - Luminaires available with separately switched 4' (nominal) sections starting at 7' and up. Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

- To specify this option, the number of separately switched sections and locations of these sections must be provided at time of order.
- \* If the project requires different separate switching than outlined above please consult the factory.
- \*For Separate Switching with external sensors (by others), please consult factory.

**Emergency Circuit (EC) -** Luminaires with EC option compliant to UL 924 listed emergency luminaire. EC luminaires are intended to be wired to separate panels/breakers for emergency use.

- For 1' to 6' nominal luminaires, the entire fixture is wired for operation on emergency circuit.
- For 7' and up nominal luminaires, the first 4' nominal length is wired for operation by a separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101).

\*If a different configuration is needed please consult the factory.

\*For EC with sensors, please consult factory.

**Emergency Battery (EM)** - Luminaires with EM option are provided with factory installed emergency battery. In the event of an emergency, EM battery will illuminate a nominal 4' section at 12W (constant) for 90 minutes (250C). Recharge time of 24 hours. If a different configuration is needed, please consult factory.

The emergency battery pack is located integral to fixture and available in nominal 4' fixtures with DIM driver only. Fixtures ≥6' available with all driver options. Emergency option will illuminate the first nominal 4' section of fixture. For fixtures >12' or if a different configuration is needed, please consult factory.

\*Emergency battery option is UNV for use with 120/277V and is not available for 347V.

\*For EM with sensors, please consult factory.

### selux

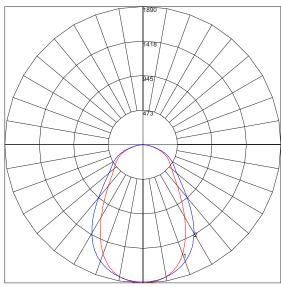
#### **Photometry**

#### LI Optics / 37W LED / 4000K CCT



Catalog #: L125-1B35-40-LI-X-04-XX-UNV Report #: 11686526.01 Delievered Lumens: 3536 Input Watts: 37.1W Efficacy: 95

CCT: 4056K CRI: 94.9



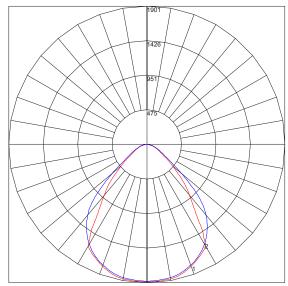
Maximum Candela = 1890 Located At Horizontal Angle = 90, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

#### MI Optics / 37W LED / 4000K CCT



Catalog #: L125-1B35-40-MI-X-04-XX-UNV

Report #: 11686526.03 Delievered Lumens: 3551 Input Watts: 37.2W Efficacy: 96 CCT: 4056K CRI: 94.9



Maximum Candela = 1901 Located At Horizontal Angle = 22.5, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

### selux

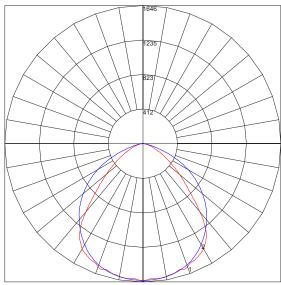
#### Photometry

#### PC Optics / 37W LED / 4000K CCT



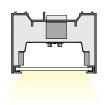
Catalog #: L125-1B35-40-PC-X-04-XX-UNV

Report #: 11686526.04 Delievered Lumens: 3819 Input Watts: 37.2W Efficacy: 103 CCT: 4056K CRI: 94.9



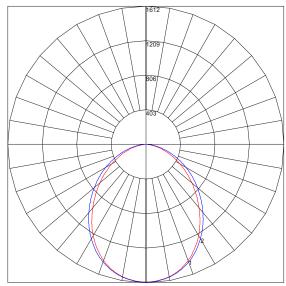
Maximum Candela = 1646 | Located At Horizontal Angle = 22.5, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

#### SD Optics / 37W LED / 4000K CCT



Catalog #: L125-1B35-40-SD-X-04-XX-UNV

Report #: 11686526.05 Delievered Lumens: 3786 Input Watts: 37.1W Efficacy: 102 CCT: 4056K CRI: 94.9



Maximum Candela = 1612 Located At Horizontal Angle = 22.5, Vertical Angle = .5 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) # 2 - Vertical Plane Through Horizontal Angles (0 - 180)



#### Photometry

L125 LED Direct Photometry Multiplier Table				
CCT Multiplier				
4000K	1.000			
3500K 0.972				
3000K	0.963			
2700K	0.931			

CCT multiplier applies to the photometry, IES files, and per foot values listed on page one (light engine).

Light engine multiplier supplied for per foot values listed on page one (light engine).

### Product Data Sheet



#### **Aesthetic Description**

**Solarban**® 60 solar control, low-e glass by Vitro Architectural Glass (formerly PPG Glass) was engineered to control solar heat gain, which is essential to minimizing cooling costs. In a standard one-inch insulating glass unit (IGU), **Solarban**® 60 glass offers an exterior appearance similar to clear, uncoated glass.

With a very good Solar Heat Gain Coefficient (SHGC) of 0.39, **Solarban**® 60 glass blocks 66 percent of the total solar energy while allowing 70 percent of the visible light to pass through. This combination produces an excellent Light to Solar Gain (LSG) ratio of 1.79, along with exceptional insulating performance, as evidenced by its 0.29 winter nighttime U-value.

#### **Aesthetic Options**

**Solarban**® 60 glass can be coated on **Starphire**® glass and paired with **Starphire**® glass to produce an IGU with exceptional clarity and solar control characteristics. For even more color and performance options, it can be coated on the second (#2) surface of nearly all Vitro's wide range of tinted glasses. It also can be combined in an IGU with any Vitro tinted glass, **Solarcool**® reflective glass or **Vistacool**® subtly reflective, color-enhanced glass (see performance data on back page).



#### **Prudential Center**

Location: Newark, NJ | Product:  $Solarban^{\otimes}$  60 Glass | Architect: Morris Adjmi Architects | Glass Contractor: Josloff Glass | Glass Fabricator: J.E. Berkowitz, LP

#### **Supporting Sustainable Design**

Vitro Architectural Glass provides abundant opportunities for architects and building owners to realize their sustainability objectives.

Energy Use & Operating Cost Reduction: An energy modeling study conducted by an independent energy design and consulting firm showed that a building can potentially save millions of dollars over its lifetime with <code>Solarban®</code> 60 glass instead of less advanced glasses. The study showed that by substituting <code>Solarban®</code> 60 glass instead of dual-pane tinted glass, a typical glass-walled, eight-story office building in Boston could lower its initial HVAC investment by nearly \$350,000 and its annual energy costs by more than

\$80,000. Carbon emissions from the same building also were reduced by more than 300 tons per year.

Sustainability Documentation: Vitro Architectural Glass is the first U.S. float glass manufacturer to have its entire selection of products recognized by the *Cradle to Cradle Certified™* program, and the first in North America to publish third-party verified EPDs for its Flat Glass and Processed Glass products.

For additional credit opportunities and supporting documentation, visit vitroglazings.com/LEED

LEED Credit Opportunities							
Possible Points	LEED Credit	Solarban® 60 Feature	Path/Option Satisfied				
18	Energy & Atmosphere (EA) Optimize Energy Performance	Excellent SHGC, U-value and Tvis performance	Whole Building Energy Simulation (Option 1) or Prescriptive Compliance: ASHRAE Advanced Energy Design Guide (Option 2)				
5	Innovation (IN) Innovation in Design	Exceeds minimum performance mandated by local energy codes	Innovation (Option 1), Pilot (Option 2) and Exemplary Performance (Option 3)				
3	Indoor Environmental Equality (EQ) Daylight	Exhibits high light transmission	Simulation: Spatial Daylight Autonomy and Annual Sunlight Exposure (Option 1), Simulation: Illuminance Calculations (Option 2) or Measurement (Option 3)				

Vitro Architectural Glass Product Data Sheet

Solarban® 60 Glass

#### **Fabrication and Availability**

Solarban® 60 glass is available exclusively through the Vitro Certified™ Network. Vitro Certified™ Fabricators can meet tight construction deadlines and accelerate the delivery of replacement glass before, during and after construction. Solarban® 60 glass is manufactured using the sputter-coating process and is available for annealed, laminated, heat-strengthened and tempered applications.

#### **Request Samples**

To obtain samples of any Vitro Glass product, call **1-855-VTRO-GLS (877-6457)** or visit **samples.vitroglazings.com**.

Glass Type Outdoor Lite: Indoor Lite: Coating if Any + Coating if Any (Surface) Glass (Surface) Glass	Visible Light Transmittance (VLT)	Visible Light Reflectance		(BTU/hr°ft²°°F) NFRC U-Value		Solar Heat Gain	Light to Solar
		Exterior %	Interior %	Winter Nighttime	Winter Argon	Coefficient (SHGC)	Gain (LSG)
larban® 60 Solar Control Low-E Glass							
Solarban® 60 (2) Clear + Clear	70	11	12	0.29	0.24	0.39	1.79
Solarban® 60 (2) Starphire® + Starphire®	74	11	12	0.29	0.24	0.41	1.80
Solarban® 60 (2) Solexia® + Clear	61	9	12	0.29	0.24	0.32	1.91
Solarban® 60 (2) Atlantica® + Clear	53	8	11	0.29	0.24	0.27	1.96
Solarban® 60 (2) Azuria® + Clear	54	8	11	0.29	0.24	0.28	1.93
Solarban® 60 (2) Solarblue® + Clear	45	7	11	0.29	0.24	0.28	1.61
Solarban® 60 (2) Pacifica® + Clear	34	6	10	0.29	0.24	0.22	1.55
Solarban® 60 (2) Solarbronze® + Clear	42	7	11	0.29	0.24	0.28	1.50
Solarban® 60 (2) Optigray® + Clear	50	8	11	0.29	0.24	0.30	1.67
Solarban® 60 (2) Solargray® + Clear	35	6	10	0.29	0.24	0.25	1.40
Solexia® + Solarban® 60 (3) Clear	61	10	10	0.29	0.24	0.37	1.65
Atlantica® + Solarban® 60 (3) Clear	53	9	10	0.29	0.24	0.31	1.71
Azuria® + Solarban® 60 (3) Clear	54	9	10	0.29	0.24	0.31	1.74
Solarblue® + Solarban® 60 (3) Clear	45	7	9	0.29	0.24	0.33	1.36
Pacifica® + Solarban® 60 (3) Clear	34	6	9	0.29	0.24	0.25	1.36
Solarbronze® + Solarban® 60 (3) Clear	42	7	9	0.29	0.24	0.32	1.31
Optigray® + Solarban® 60 (3) Clear	50	8	9	0.29	0.24	0.35	1.43
Solargray® + Solarban® 60 (3) Clear	35	7	9	0.29	0.24	0.29	1.21
GraylitE II + Solarban® 60 (3) Clear	7	4	8	0.29	0.24	0.13	0.54
stacool® and Solarcool® with Solarban® 60 Solar	Control Low-E (3)*						
Vistacool® (2) Azuria® + Solarban® 60 (3) Clear	42	20	24	0.29	0.24	0.26	1.62
Vistacool® (2) Pacifica® + Solarban® 60 (3) Clear	26	11	23	0.29	0.24	0.21	1.24
Solarcool® (2) Solexia® + Solarban® 60 (3) Clear	24	24	29	0.29	0.24	0.19	1.26
Solarcool® (2) Azuria® + Solarban® 60 (3) Clear	21	19	29	0.29	0.24	0.17	1.24
Solarcool® (2) Solarblue® + Solarban® 60 (3) Clear	17	14	29	0.29	0.24	0.18	0.94
Solarcool® (2) Pacifica® + Solarban® 60 (3) Clear	13	10	29	0.29	0.24	0.15	0.87
Solarcool® (2) Solarbronze® + Solarban® 60 (3) Clear	17	14	29	0.29	0.24	0.18	0.94
Solarcool® (2) Solargray® + Solarban® 60 (3) Clear	14	11	29	0.29	0.24	0.17	0.82

 $<sup>^{\</sup>ast}$  Data based on using  $\textit{Starphire}^{\circledcirc}$  glass for both interior and exterior lites.

All performance data calculated using LBNL Window 7.3 software and represents center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgideascapes.com or request our Architectural Glass Catalog.

For more information about *Solarban*® 60 low-e glass and other *Cradle to Cradle Certified*™ architectural glasses by Vitro Glass, visit **vitroglazings.com**, or call **1-855-VTRO-GLS (887-6457).** 





### ARCHITECTURAL GUIDE SPECIFICATION SECTION 08 81 00 GLASS GLAZING

Customer: Infinite Glass & Metal Project: Nyack Hospital

#### Note to Specifiers:

The specifications below are suggested as desirable inclusions in glass and glazing specifications (section 08 81 00), but are not intended to be complete. An appropriate and qualified Architect or Engineer must verify suitability of a particular product for use in a particular application as well as review final specifications. Oldcastle BuildingEnvelope® assumes no responsibility or liability for the information included or not included in these specifications.

#### **PRODUCTS**

## Approved Glass Fabricator Glass Description

Oldcastle BuildingEnvelope® FLOAT GLASS

1. USA - Annealed float glass shall comply with ASTM C1036, Type I, Class 1 (clear), Class 2 (tinted), Quality-Q3. Canada - Annealed float glass shall comply with CAN/CGSB-12.3-M, Quality-Glazing.



- 2. USA- Heat-strengthened float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3, Kind HS. Canada Heat-strengthened float glass shall comply with CAN/ CGSB-12.9-M, Type 2-Heat-Strengthened Glass, Class A-Float Glass.
- 3. USA Tempered float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3, Kind FT. Canada Tempered float glass shall comply with CAN/CGSB-12.1-M, Type 2-Tempered Glass, Class B-Float Glass.
- 4. USA Laminated glass to comply with ASTM C1172. Canada Laminated glass to comply with CAN/CGSB-12.1-M, Type 1-Laminated Glass, Class B-Float Glass.
- 5. Glass shall be annealed, heat-strengthened or tempered as required by codes, or as required to meet thermal stress and wind loads.

### Sealed Insulating Glass (IG) GENERAL Vision Glass (Vertical)

- IG units consist of glass lites separated by a dehydrated airspace that is hermetically dual sealed with a primary seal of polyisobutylene (PIB) and a secondary seal of silicone or an organic sealant depending on the application.
- 2. USA Insulating glass units are certified through the Insulating Glass Certification Council (IGCC) to ASTM E2190. Canada - Insulating Glass units are certified through the Insulating Glass Manufacturers Alliance (IGMA) to either the IGMAC certification program to CAN/CGSB-12.8, or through the IGMA program to ASTM E2190.

#### IG VISION UNIT PERFORMANCE CHARACTERISTICS

1. Exterior Lite

1/4" PPG Solarban® 60 on Solarbronze® Low-E #2

2. Interior Lite

1/4" Clear

3. 1/2" Cavity 1/2 inch (Air Fill)

#### 4. Performance Characteristics

Thermal		Optical	
Winter U-factor/U-value:	0.29	Visible Light Transmittance:	42%
Summer U-factor/U-value:	0.27	Visible Light Reflectance (outside):	7%
Solar Heat Gain Coefficient:	0.28	Visible Light Reflectance (inside):	11%
Shading Coefficient:	0.32	Total Solar Transmittance:	21%
Relative Heat Gain (Btu/hr-ft²):	68	Total Solar Reflectance (outside):	15%
Light to Solar Gain:	1.50	Ultraviolet Transmittance:	8%

Contact Oldcastle BuildingEnvelope® at 866-Oldcastle (653-2278) for samples or additional information concerning performance, strength, deflection, thermal stress or application guidelines. GlasSelect® calculates center of glass performance data using the Lawrence Berkeley National Laboratory (LBNL) Window 7.4 program (version 7.4.8.0) with Environmental Conditions set at NFRC 100-2010. Gas Library ID#1 (Air) is used for Insulating Glass units with air. Gas Library ID#9 (10% Air/90% Argon) is used for Insulating Glass units with argon. Monolithic glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 53.0; 2. Vendor supplied spectral data files. Laminated glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 53.0; 2. LBNL Optics 6 (version 6.0 Maintenance Pack 1); 3. Vendor supplied spectral data files; 4. Vendor supplied data. 5. Based on vendor testing, clear acid-etched glass performance data is estimated using regular clear glass of equivalent thickness. Thermal values are in Imperial units.

# Standard Flush Glaze Storefront Systems a wide range of storefront framing systems for efficient installation

Oldcastle BuildingEnvelope™ offers a complete line of storefront framing systems to meet just about any storefront application and condition. The Series 1000 is 1-3/4" x 4", and the Series 2000 is 1-3/4" x 4-1/2". Both are designed for 1/4" glazing but are easily adapted to 5/16" or 3/8" infills. The Series 3000 (2" x 4-1/2") is designed for 1" glazing and is adaptable to many different infills ranging from 1/4" to 1-1/8".

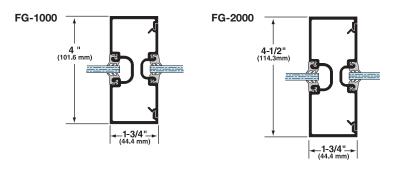


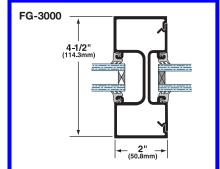


St. Benedicts Medical Arts Building, Ogden, UT Architect: Babcock Design Group

- Three different assembly methods: Screw Spline, Shear Block and Stacking
- Tested by independent laboratories:
  - Air Infiltration: <.06 allowable at 6.24 PSF
  - Water Resistance: 10 PSF
- Door framing components
- Sidelite bases to match door bottom rails
- Multiple corner post configurations
- Adjustable and 135° mullion
- Anodized or painted finishes

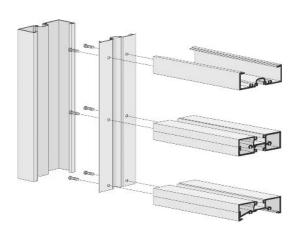
#### Details

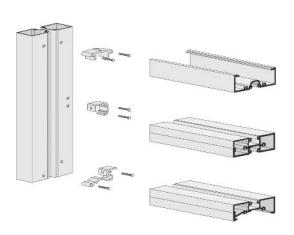




#### Screw Spline Assembly

**Shear Block Assembly** 

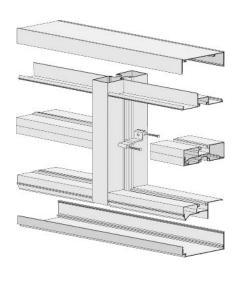


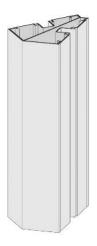


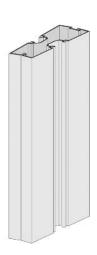
#### Stack Assembly

135° Corner

Adjustable Mullion

















MNH 9W MAIN ENTRY EAST

MNH MAIM ENTRY WEST

MNH SICKLES NORTHEAST

MNH SICKLES NORTH

MNH MIDLAND - SICKLES NORTHWEST







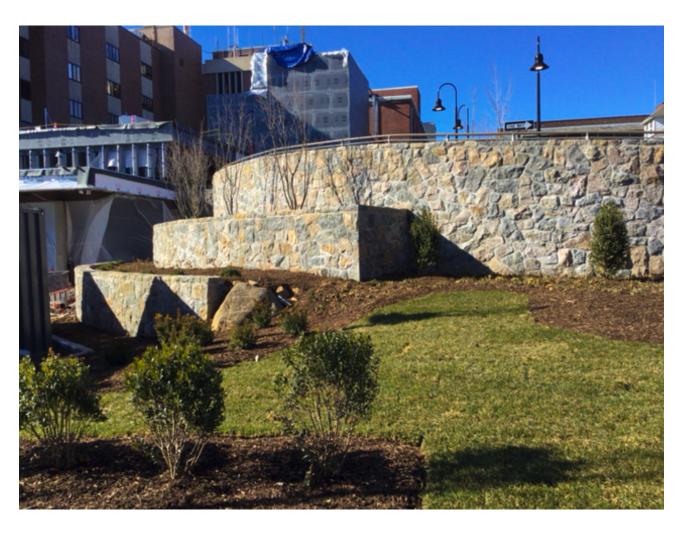
N. MIDLAND - SICKLES SOUTHEAST



n. midland venue northeast



haven court east



MNH STONE CONTEXT

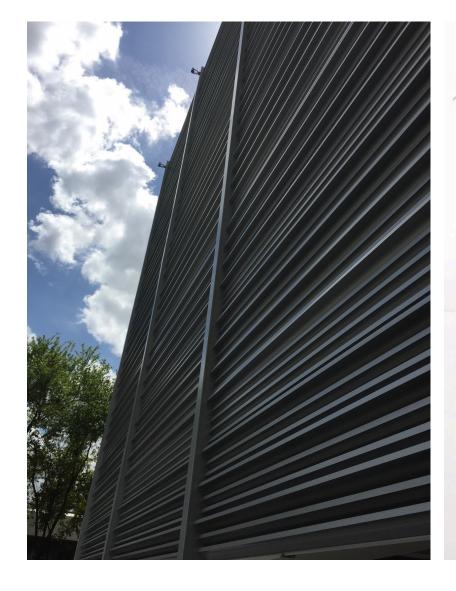






















CHIP 1 BARLEYWINE



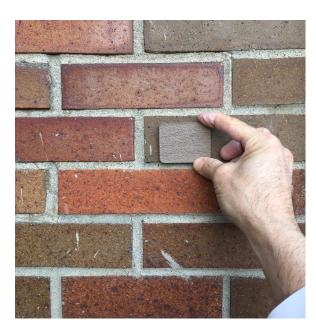
CHIP 2 BUFFALO BROWN



CHIP 3
FALL BUCKEYE



CHIP 4 MAPLE SYRUP



CHIP 5 NATURAL BARK



CHIP 6
PUMPERNICKLE



CHIP 7 WILD PLUMB







CS-1 LEHIGH WHITE



CS-2 LEHIGH WHITE



CS-3 LEHIGH WHITE



CS-4 LEHIGH WHITE



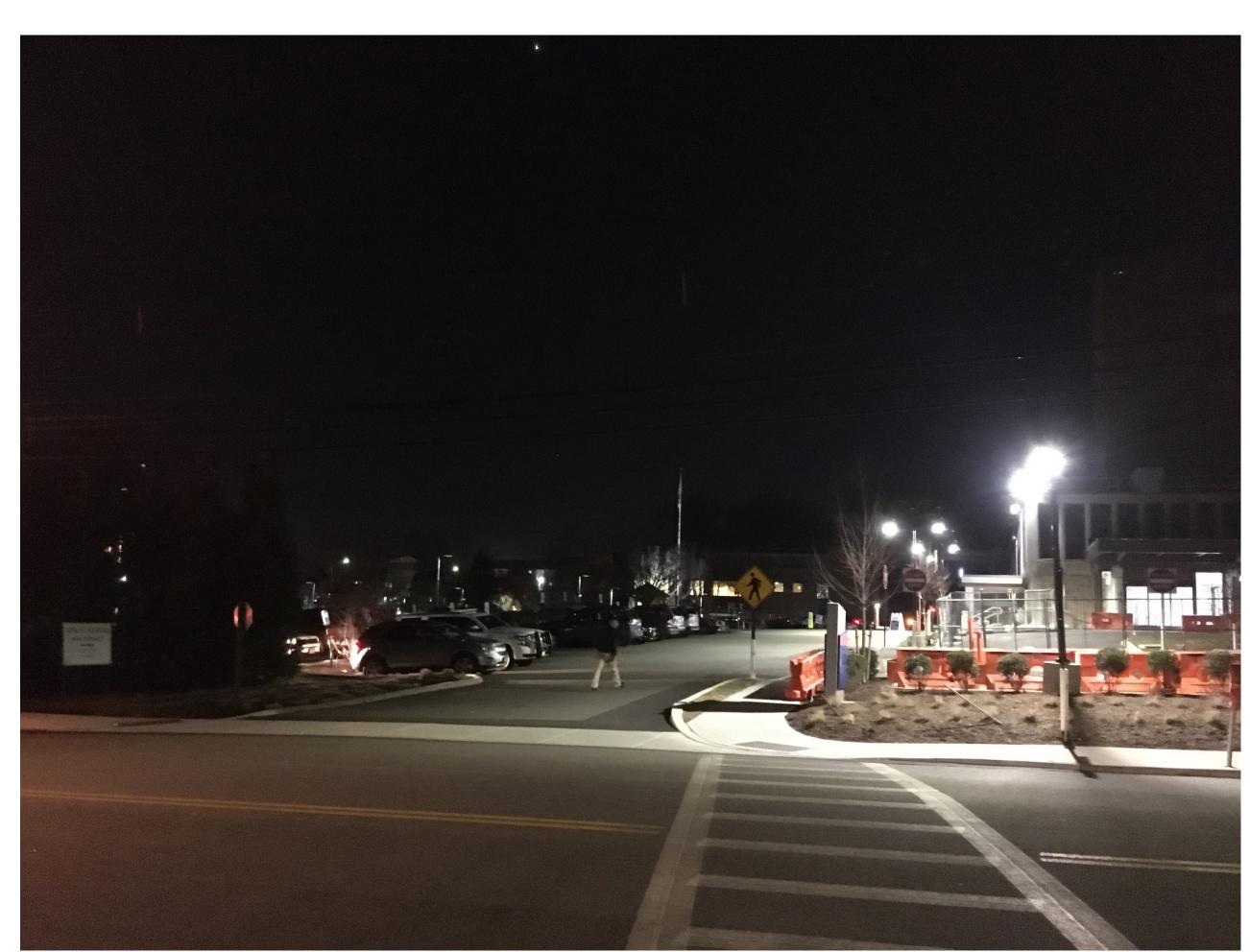
CS-5 LEHIGH WHITE







SOUTH ELEVATION EXISTING



EXISTING PARKING LOT



SOUTH ELEVATION PROPOSED



NEW EMERGENCY DEPARTMENT ENTRANCE



