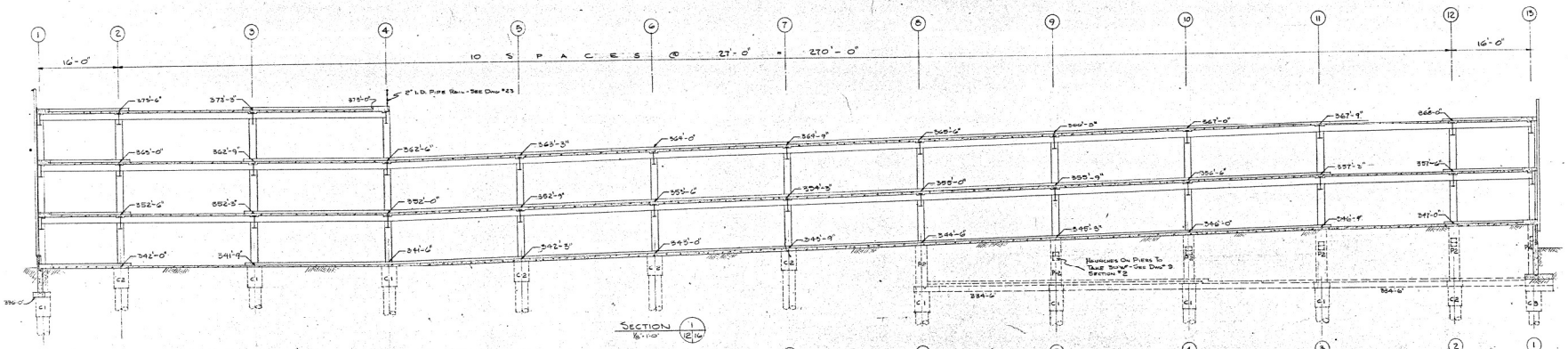
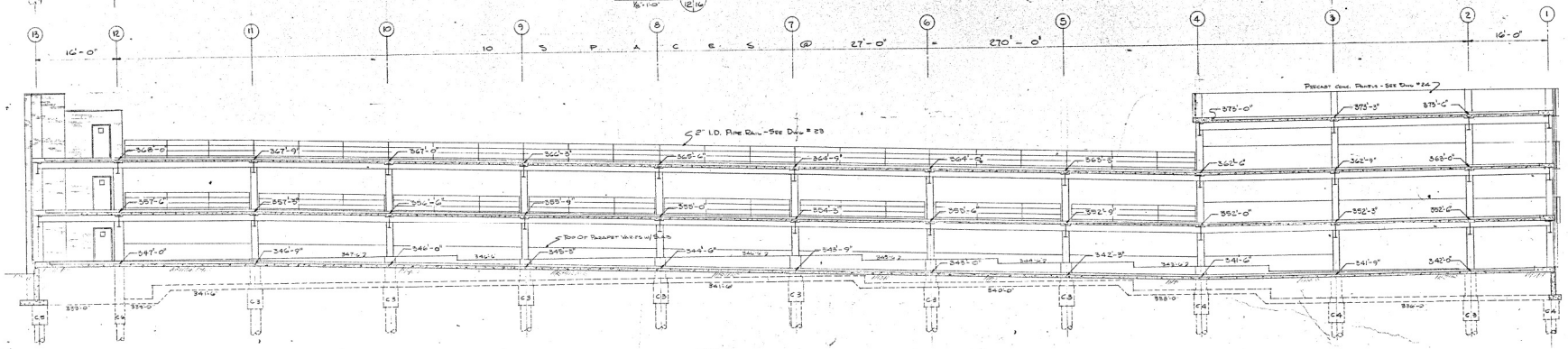


SECTION 1/12/16
1/8"=1'-0"



SECTION 2/12/16
1/8"=1'-0"

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY

REVISIONS

PROJECT: PARKING GARAGE No. 21
SILVER SPRING, MD.

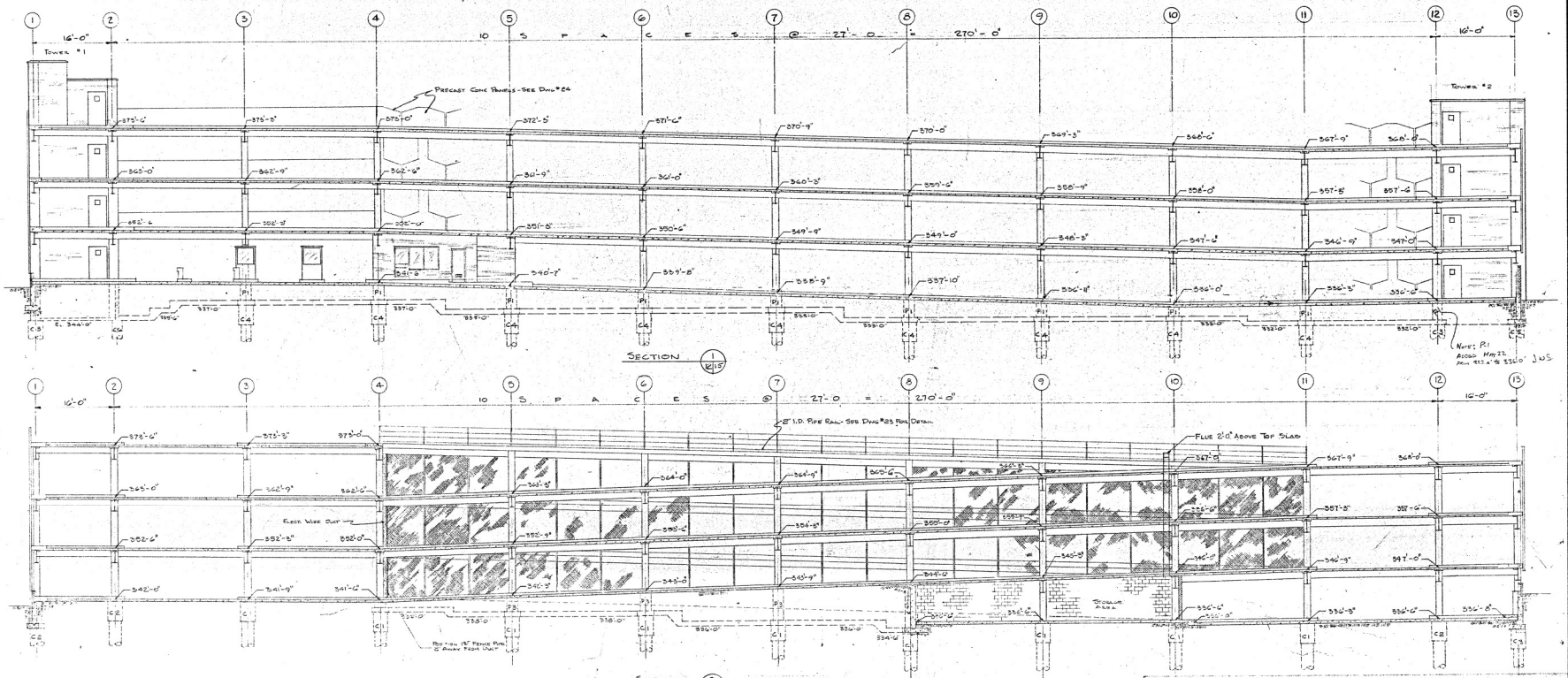
CLIENT: MONTGOMERY COUNTY, MD.

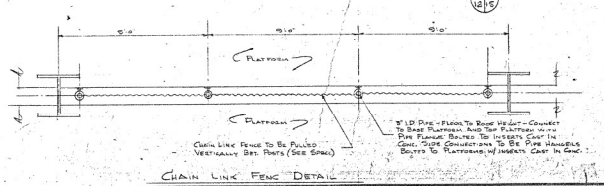
TITLE: THRU SECTIONS

RAMP ENGINEERING ASSOCIATES
consulting engineers
1615 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO.	DWING. NO.
WKP		668-439	16 OF 33
APPD.	DATE 2-10-67	SCALE 1/16"=1'-0"	

REMARKS PRODUCTS INC. 2047 WASHINGTON, D.C.





Chain Link Fenc Detail

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY
	REVISIONS	

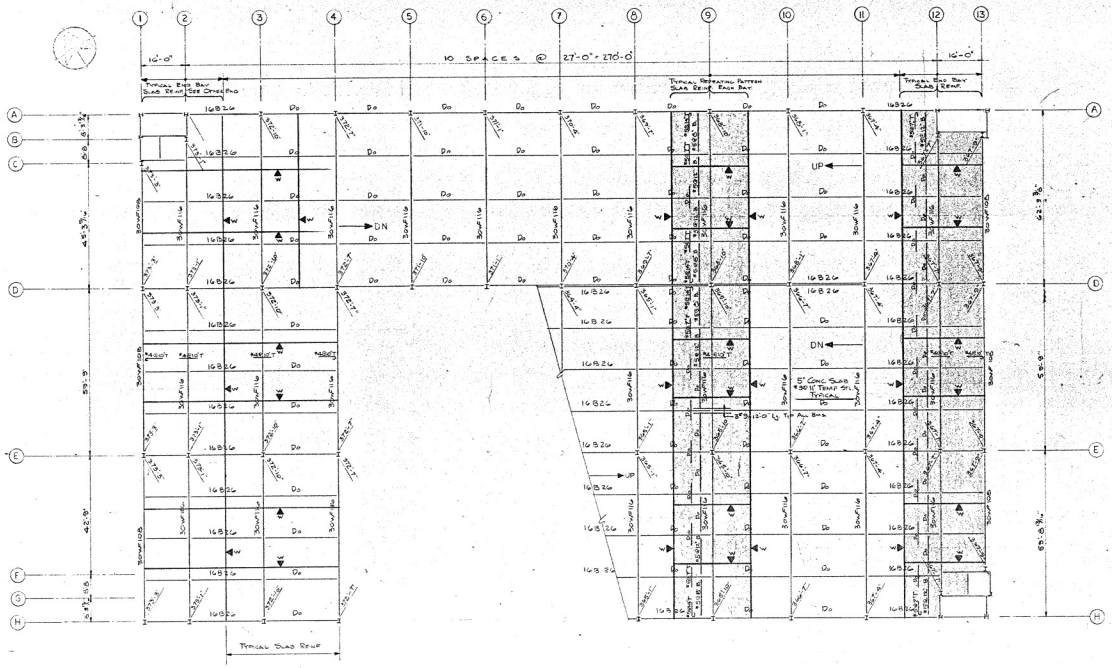
PROJECT: PARKING GARAGE No. 21
SILVER SPRING, MD.

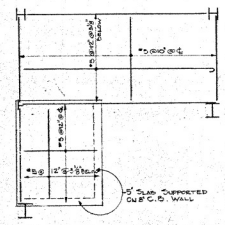
CLIENT: MONTGOMERY COUNTY, MD.

TITLE: THRU SECTIONS

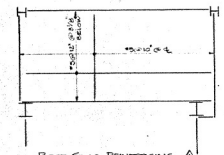
RAMP ENGINEERING ASSOCIATES
consulting engineers
1515 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW, P.E. MICHAEL S. DIMITRI, P.E.

DWN.	CKD.	JOB NO.	DWING NO.
HP		668-439	15 OF 33
APPVD.	DATE 2-10-67	SCALE 1/16"=1'-0"	

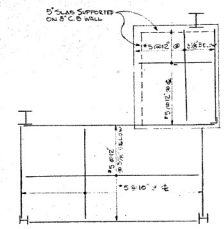




ROOF SLAB REINFORCING TOWER #1
1/4" = 1'-0"



ROOF SLAB REINFORCING TOWER #2
1/4" = 1'-0"



ROOF SLAB REINFORCING TOWER #3
1/4" = 1'-0"

W▶ - INDICATES KEYED-WATERSTOPPED CONST. JT. SEE DETAIL 1 DWG. #19

NOTES
1) RUN EVERY 4th TOP BAR IN CONC SLABS CONTINUOUS
2) ELEVATIONS SHOWN ARE TOP OF GRADES BELOW COVER PLATE
3) ALL 30 WF BEAMS TO HAVE INDUCED CAMBER OF 3/4" ℄
4) FOR CONDITIONS BETWEEN BEAMS, GIRDERS & COLUMNS SEE DRAWING S-19 & S-20

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY
5/24/67	ADD TOWER ROOF STEEL	

REVISIONS

PROJECT: PARKING GARAGE No. 21
SILVER SPRING, MD.

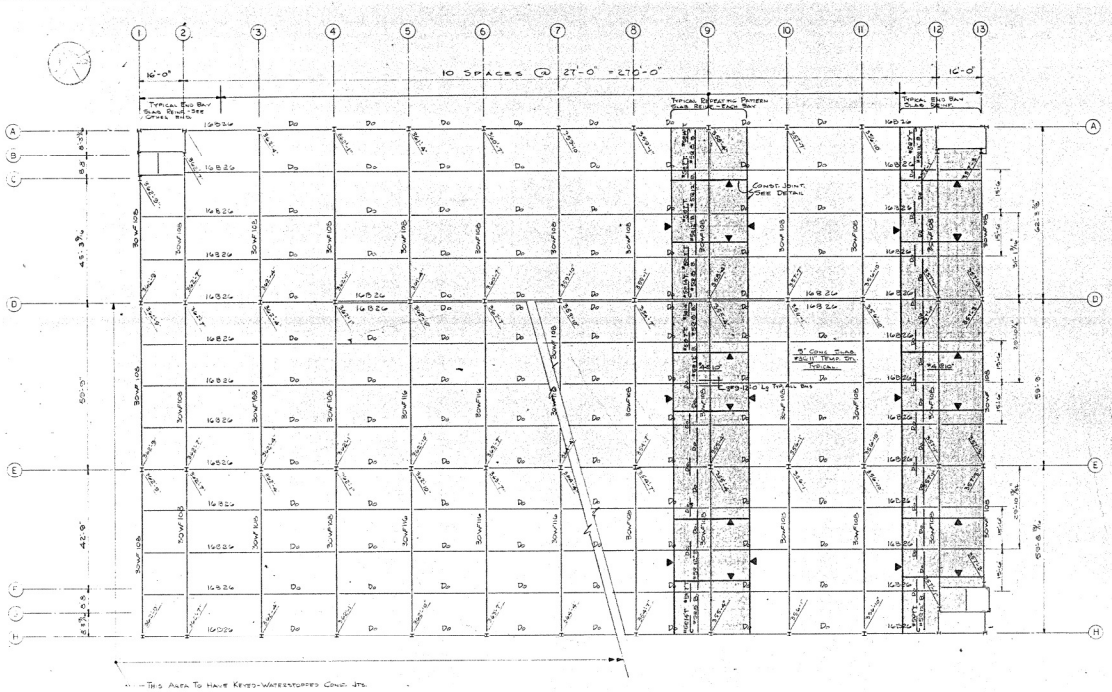
CLIENT: MONTGOMERY COUNTY, MD.

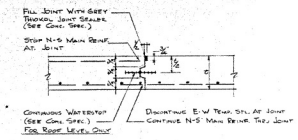
TITLE: ROOF LEVEL STRUCTURAL PLAN

RAMP ENGINEERING ASSOCIATES
consulting engineers
1618 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO.	DWING. NO.
[illegible]		662-439	14 OF 33
APPVD.	DATE 2-10-67	SCALE 1/16" = 1'-0"	

STANDARD PRODUCTS INC. PARK ASSOCIATES, N.Y.





TYPICAL STRUCTURAL SLAB CONST. JOINT (1/13/13)

▶ - INDICATES KEYED CONST. JOINT - SEE PLANS
w▶ - INDICATES KEYED-WATERSTOPPED CONST. JOINT.

NOTES:
1) RUN EVERY 4th TOP BAR IN CONC. SLABS CONTINUOUS
2) ELEVATIONS SHOWN ARE AT TOP OF GIRDER BELOW COVER PLATE
3) ALL 30WF BEAMS TO HAVE INDUCED CAMBER OF 3" AT ℄
4) FOR CONNECTIONS BETWEEN BEAMS, GIRDERS & COLUMNS SEE DRAWING S-19 & S-20.

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY

REVISIONS

PROJECT: PARKING GARAGE No. 21
SILVER SPRING, MD.

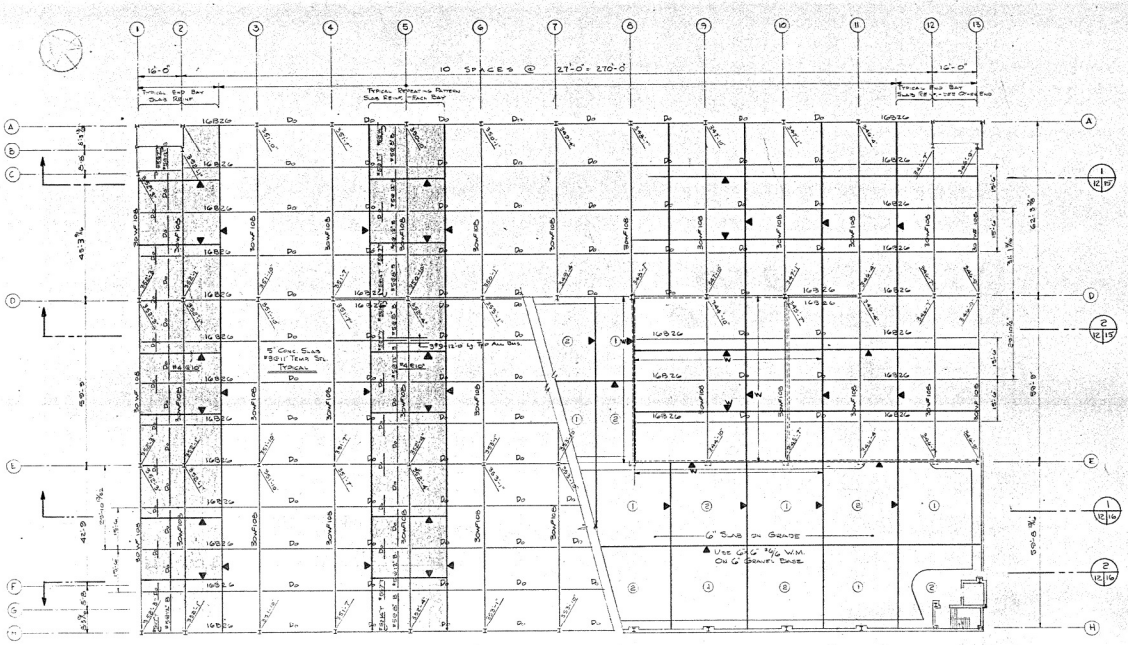
CLIENT: MONTGOMERY COUNTY, MD.

TITLE: 3RD LEVEL STRUCTURAL PLAN

RAMP ENGINEERING ASSOCIATES
consulting engineers
1615 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO.	DWG. NO.
[illegible]		66E-439	13 OF 33
APPVD.	DATE 2-10-67	SCALE 1/16"=1'-0"	

DRAWING PRODUCTS INC. PORT WASHINGTON, N.Y.



① - INDICATES SLAB ON GRADE POUR SEQUENCE

▶ - INDICATES KEYED CONST. JOINT - SEE DETAIL #1 - DWG #13 FOR STRUCTURAL SLAB JOINT. SEE DETAIL #1 DWG #11 FOR SLAB ON GRADE JOINT.

NOTES:

1) RUN EVERY 4th TOP BAR IN STRUCTURAL CONC. SLABS CONTINUOUS
2) ELEVATIONS SHOWN ARE AT TOP OF GIRDER BELOW COLTE PLATE
3) ALL BOWF BEAMS TO HAVE INDICATED CAMBER OF 3 AT ℄
4) FOR CONNECTION BETWEEN BEAMS, GIRDERS & COLUMNS SEE DRAWING S-19 & S-20.

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY
	REVISIONS	

PROJECT: PARKING GARAGE No. 21
SILVER SPRING, MD.

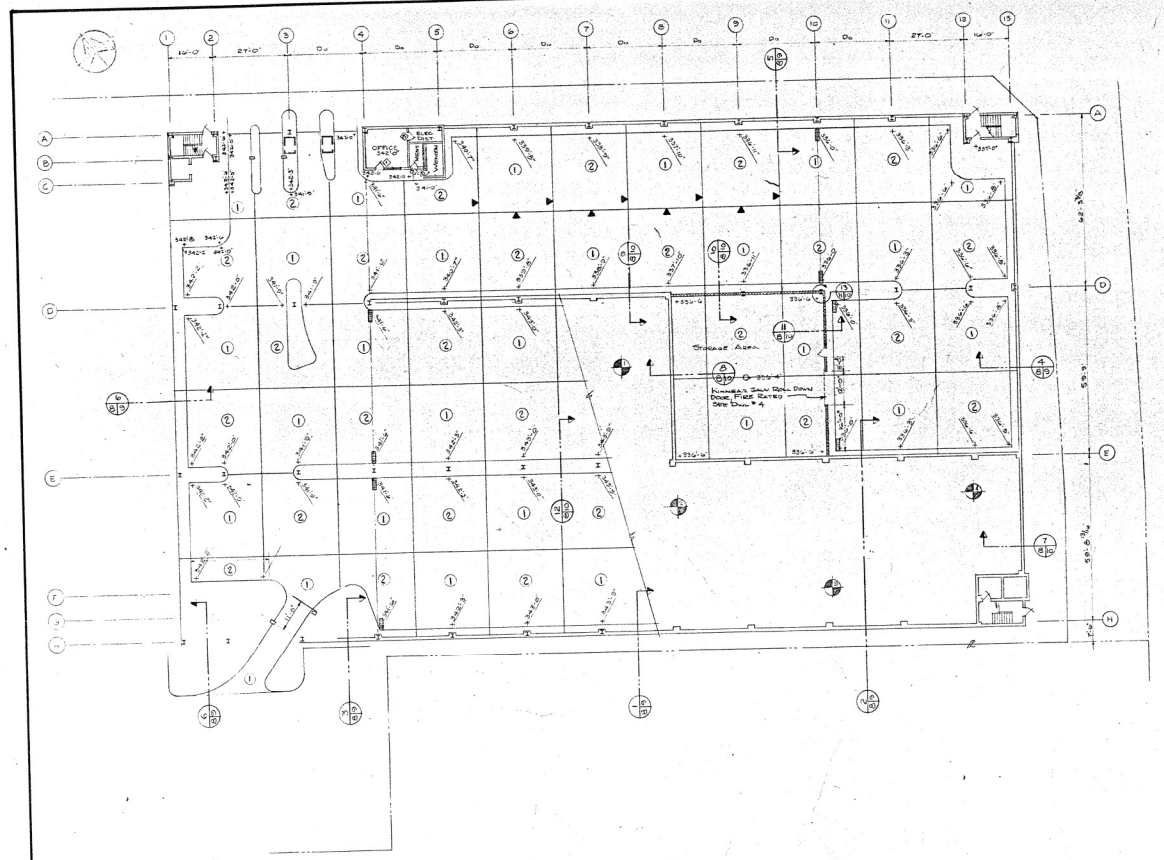
CLIENT: MONTGOMERY COUNTRY, MD.

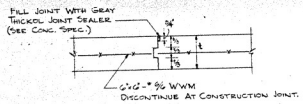
TITLE: 2ND LEVEL STRUCTURAL PLAN

RAMP ENGINEERING ASSOCIATES
consulting engineers
1615 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO.	DWING NO.
[illegible]		66E-439	12 OF 33
APPD.	DATE 2-10-67	SCALE 1/16"=1'-0"	

EVANS PRESS CO. INC. 1967 WASHINGTON, D.C.





TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT

SCALE:

NOTES:

▶ INDICATES KEYED CONSTRUCTION JOINT. SEE DET.

(1) INDICATES POUR SEQUENCE FOR CONC. SLABS. SLABS ARE TO BE POURED IN A CHECKERBOARD PATTERN

1- SLABS-ON-GRADE ARE TO BE 6" THICK WITH 6"x6"-#6/6 WWM ON 6" OF GRAVEL (f'c = 3750 psi)

INDICATES SOIL COMPACTION TEST. SEE BASES.

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY

REVISIONS

PROJECT: PARKING GARAGE No. 21
SILVER SPRING, MD.

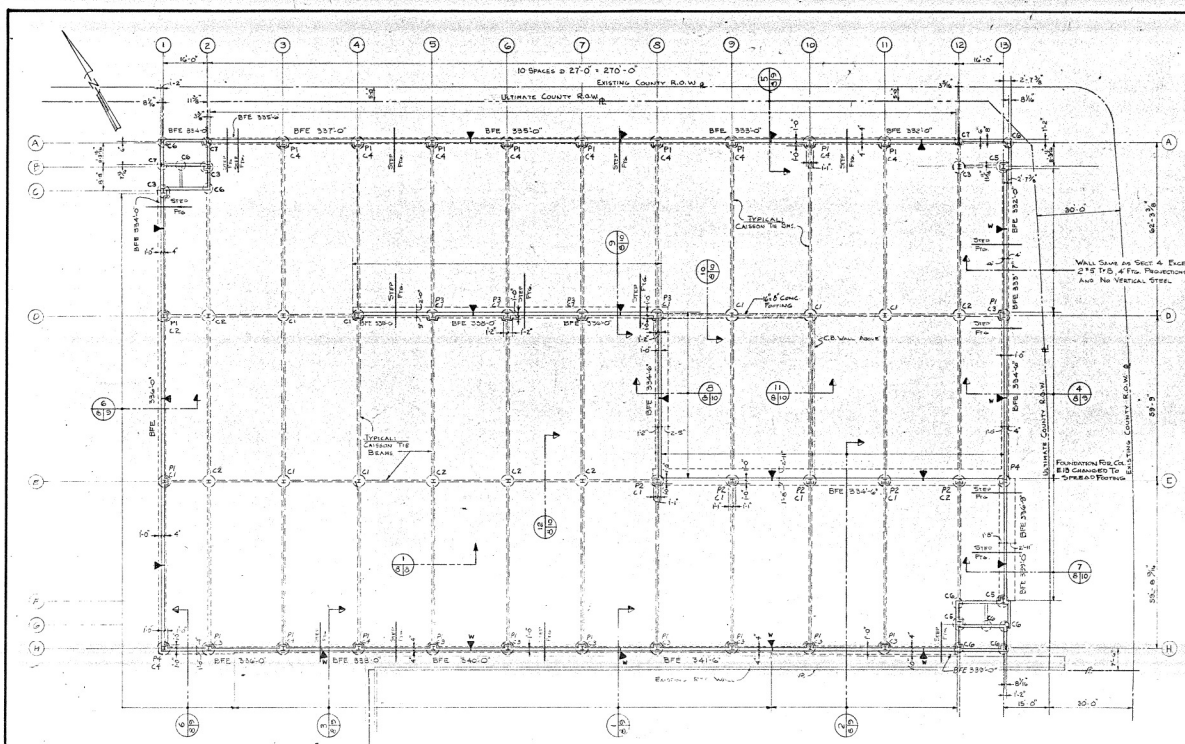
CLIENT: MONTGOMERY COUNTRY, MD.

TITLE: STREET LEVEL STRUCTURAL PLAN

RAMP ENGINEERING ASSOCIATES
consulting engineers
1615 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO.	DWG. NO.
STERILO		463-439	11 OF 33
APPD.	DATE 2-10-67	SCALE 1/16"=1'-0"	

DRAWING PRODUCED BY RAMP ENGINEERING, N.Y.

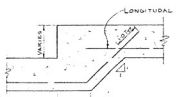


General Notes

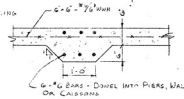
1. Concrete Strength @ 28 Days (Also See Specs):
   a) 3750 psi Hardrock - Foundation Walls, Caissons, Piers, Curb, Parapets, Towers, Stair, Landings, Footings, Slabs -On Grade
   b) 3000 psi Lightweight - Structural Slabs.
2. Steel:
   a) Rebars (See Specs) Shall Be A-15 Steel.
   b) Rolled Shapes (Beams, Girders, Cols) Shall Be A-36 Steel.
3. Exterior Foundation Footing Shall Be Carried A Minimum Of 4'-0" Below Final Grade, And All Footings A Minimum Of 1'-6" Below Present Grade, But To Sound Ground In Any Case.
4. Tops Of Concrete Walls Supporting Slab Shall Be Keyed To Receive Slabs And To Insure Lateral Support To Walls. All Footings Shall Be Keyed To Receive Walls.
5. Place All Basement Floor Slabs Prior To Backfilling Against Adjacent Walls.
6. All Reinforcing For Walls Shall Be Continuous and Lapped 30 Diameters At All Splices, Corners And Intersections. Provide Equal Size Footing Dowels For All Vertical Bars In Walls.
7. See ACI Code 318-63, Par 808 For Concrete Protection For Reinforcement.
8. Steel Beams And Girders Shall Be Adequately Supported Laterally While Concrete Slabs Are Being Placed.
9. G.C. Shall Adequately Sheet And Shore As Required Along South Wall, And Elsewhere If Necessary, When Excavating So That Adjacent Structures Are Not Undermined.
10. Where Pipes Run Thru Foundation Walls, They Shall Run Above Top Of Footing. See Det. 3/8/8

Notes:

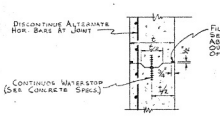
P1 Indicates Plaster Type. See Dwg. #17
C1 Indicates Caisson Type. See Dwg. #17
BFE Indicates Bottom Of Footing Elevation
▼ - Indicates Keyed Construction Joint
▼ - Indicates Keyed Construction Joint With Waterstop } See Det. 2/8/8



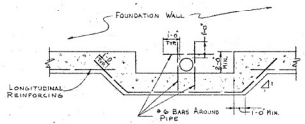
Footing Step Detail
3/4" = 1'-0"



Typical Tie Beam Detail 1/8/8
3/4" = 1'-0"



▼ Wall Construction Joint 2/8/8
3/4" = 1'-0"



Typical Detail Of Pipe Run Through Foundation Wall 3/8/8
No Scale

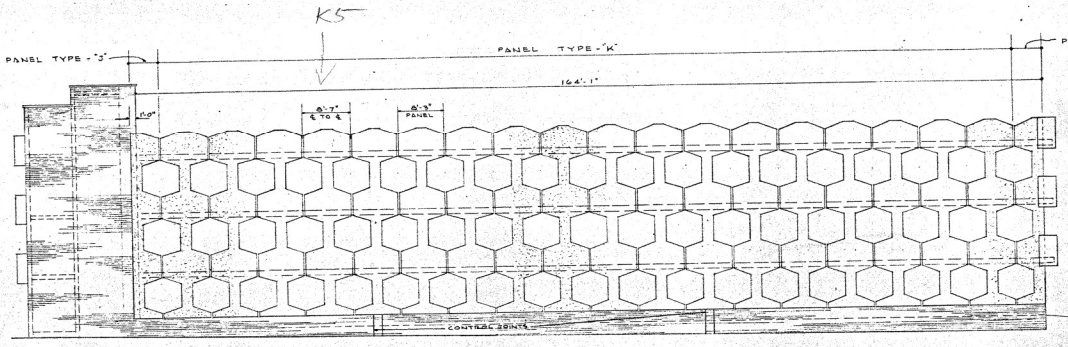
Written Dimensions On This Drawing Takes Precedence Over Scaled Dimensions. Any Conflicting Dimensions Or Drawings Shall Be Brought To The Attention Of The Engineer.

Date	Description	By
	Revisions	

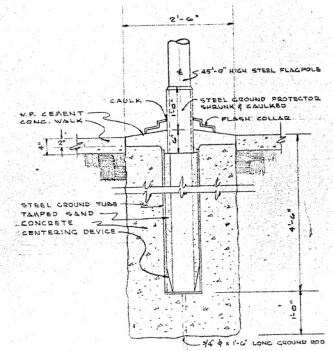
Project: Parking Garage No. 21, Silver Spring, Md.
Client: Montgomery County, Md.
Title: Foundation Plan

Ramp Engineering Associates
consulting engineers
1615 Northern Boulevard, Manhasset, New York
James W. Shaw P.E. Michael S. Dimitri P.E.

Dwg. 8 Drawn; Chk.; Appr.; Date; Job No. 66E-439; Scale 1/16" = 1'-0"; Drwg. No. 8 of 33

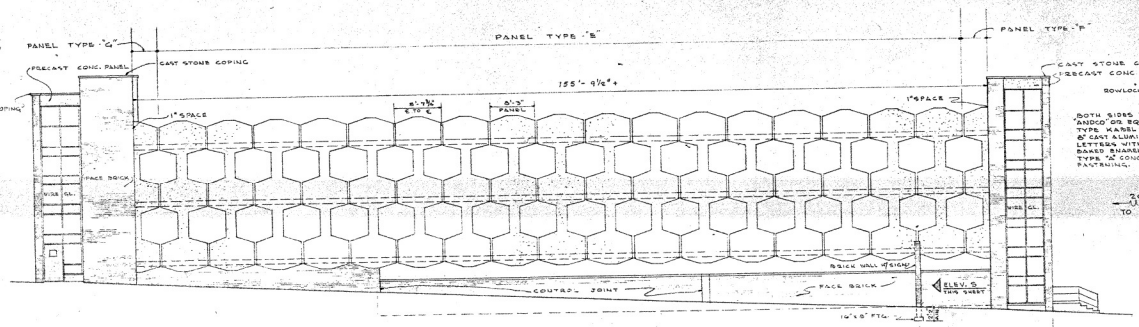


WEST ELEVATION

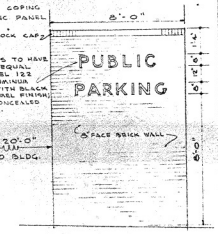


FLAGPOLE BASE DETAIL

SCALE - 1" = 1'-0"



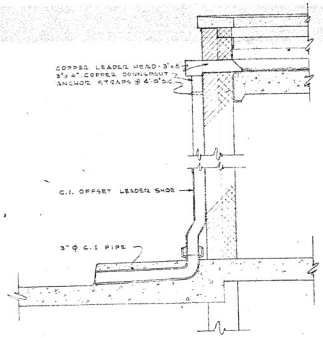
COLESVILLE RD. ELEVATION



ELEV. 5

FREE STANDING SIGN

SCALE - 3/8" = 1'-0"



STAIR TOWER ROOF DRAINAGE

SCALE - 1" = 1'-0"

		DATE
CORR. NO.	BAGLEY, SOULE & ASSOCIATES ARCHITECTS 8555 CONNECTICUT AVENUE, CHEVY CHASE 15, MD.	SHEET NO.
DRAWN BY:		

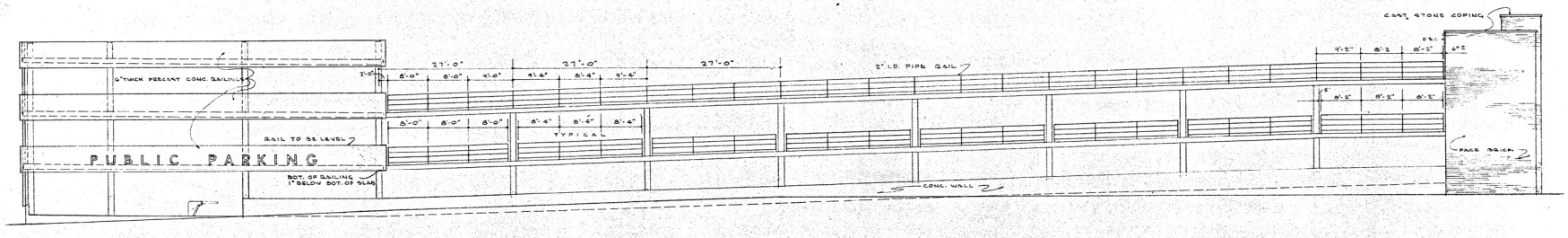
PROJECT: PARKING GARAGE NO. 21, SILVER SPRING, MD.

CLIENT: MONTGOMERY COUNTY, MD.

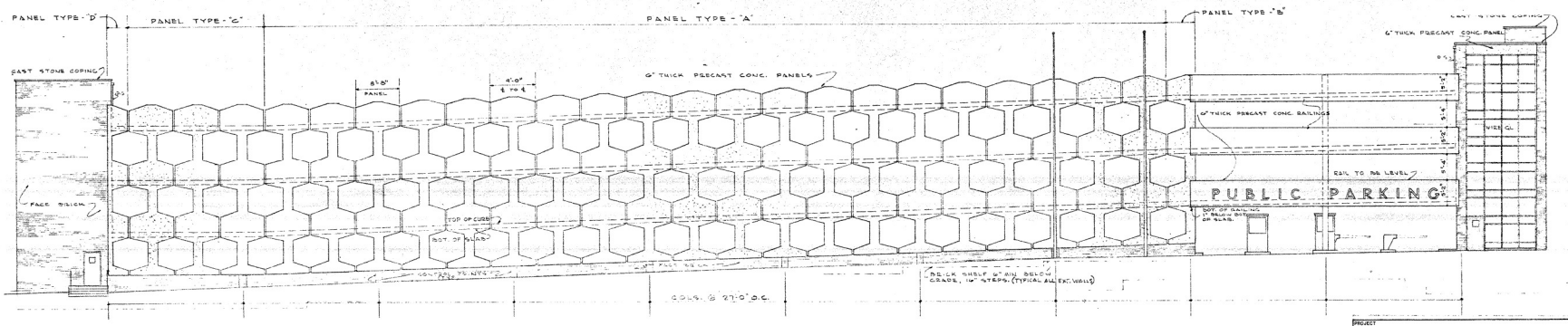
TITLE: ELEVATIONS

RAMP ENGINEERING ASSOCIATES consulting engineers
1615 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO. 0062-433	DWG. NO. 3 OF 33
APPD.	DATE 2/16/67	SCALE	

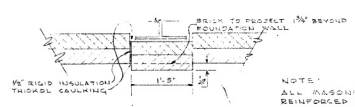


SOUTH ELEVATION



SPRING ST. ELEVATION

SCALE - 1/8" = 1'-0"



NOTE:
ALL MASONRY WORK TO BE REINFORCED WITH DUR-O-WALL @ 16" O.C. VERTICALLY.

TYPICAL CONTROL JOINT @ COLUMNS

SCALE - 1" = 1'-0"

		DATE
COMM. NO.	BAGLEY, SOULE & ASSOCIATES ARCHITECTS 8555 CONNECTICUT AVENUE, CHEVY CHASE 15, MD.	SHEET NO.
DRAWN BY		

PROJECT: PARKING GARAGE NO. 21 SILVER SPRING, MD.

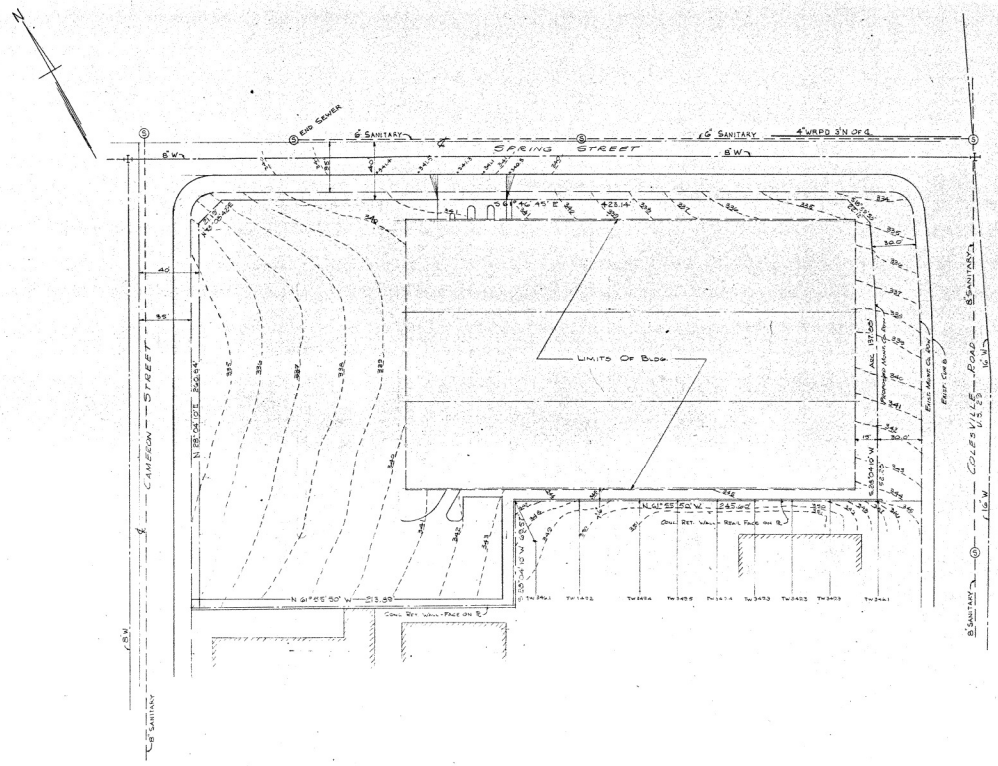
CLIENT: MONTGOMERY COUNTY, MD.

TITLE: ELEVATIONS

RAMP ENGINEERING ASSOCIATES
consulting engineers
1818 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN.	CKD.	JOB NO.	DWING NO.
APPD.	DATE 2/14/67	GGE 439 SCALE	2 OF 33

Original property of Jean Bourgeois, A.I.A.



NOTES:

1) —330— = EXISTING GRADES
2) EXISTING PLOTTED WITH TURN POLE BLUE BLADES
3) "PARKING LOT NO. 21, CAMERON & SPRING STS. - PROJ. 1611 MONTGOMERY CO., MD. D.P.W. RAMP ENG. INC."
4) EXISTING PROPERTY LINE BASED WITH PLOTTED SURVEY FROM MAP ENTITLED "PLAN OF PUBLIC PARKING LOT NO. 21 CAMERON & SPRING ST. - SILVER SPRING MD." PREPARED BY MONTGOMERY CO. MD. DEPT. OF PUBLIC WORKS DATE AUG. 1966
5) CONTRACTOR SHALL REFER TO TITLE PLANS FOR ALL PROPERTY LOCATION. PLANS WILL TO BE RELIED
6) REMOVE ALL EXISTING PAVEMENT [illegible]

WRITTEN DIMENSIONS ON THIS DRAWING TAKES PRECEDENCE OVER SCALED DIMENSIONS. ANY CONFLICTING DIMENSIONS OR DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DATE	DESCRIPTION	BY

REVISIONS

PROJECT: PARKING GARAGE NO. 21
SILVER SPRING, MD.

CLIENT: MONTGOMERY CO., MD.

TITLE: SITE PLAN

RAMP ENGINEERING ASSOCIATES
consulting engineers
1815 NORTHERN BOULEVARD, MANHASSET, NEW YORK
JAMES W. SHAW P.E. MICHAEL S. DIMITRI P.E.

DWN. [illegible] CKD. [illegible] JOB NO. 66-F-483 DWNG. NO. C-1 OF 33
APPVD. DATE 2-10-67 SCALE 1" = 20'

MONTGOMERY COUNTY GOVERNMENT

MARYLAND

MASON A. BUTCHER
COUNTY MANAGER

JOSEPH C. KORDELLA
DIRECTOR OF PUBLIC WORKS

PUBLIC PARKING GARAGE NO. 21

COLESVILLE ROAD

SILVER SPRING, MARYLAND

RAMP ENGINEERING ASSOCIATES
ENGINEERS AND DESIGNERS
1615 NORTHERN BOULEVARD, MANHASSET, NEW YORK

BAGLEY — SOULÉ & ASSOCIATES
CONSULTING ARCHITECTS
8555 CONNECTICUT AVENUE, CHEVY CHASE, MARYLAND

PROJECT NO. 66E — 439

As Built Construction Drawings

1967

STATE OF MARYLAND
#5222 RE.

LIST OF DRAWINGS

1 - SITE PLAN
2 - NORTH AND SOUTH ELEVATIONS
3 - EAST AND WEST ELEVATIONS
4 - STREET LEVEL GENERAL PLAN
5 - 2 ND " " "
6 - 3 RD " " "
7 - ROOF " " "
8 - FOUNDATION PLAN
9 - FOOTING SECTIONS
10 - " "
11 - STREET LEVEL STRUCTURAL PLAN
12 - 2 ND " " "
13 - 3 RD " " "
14 - ROOF " " "
15 - THRU SECTIONS
16 - " "
17 - COLUMN SCHEDULE
18 - COLUMN ELEVATIONS AND BASE PLATES
19 - X-SECTION AND FRAMING DETAILS
20 - FRAMING DETAILS
21 - TOWER PLAN VIEWS
22 - " THRU SECTIONS
22A - TOWER DETAILS AND SECTIONS
23 - ARCHITECTURAL TREATMENT DETAILS
24 - " " "
25 - OFFICE AND TOLL AREAS
26 - SIGNS AND CONTROL
27 - STREET LEVEL ELECTRICAL PLAN
28 - 2ND " " "
29 - 3RD " " "
30 - ROOF " " "
31 - ELECTRICAL DETAILS
32 - " "
33 - ELECTRICAL SCHEDULE AND DETAILS