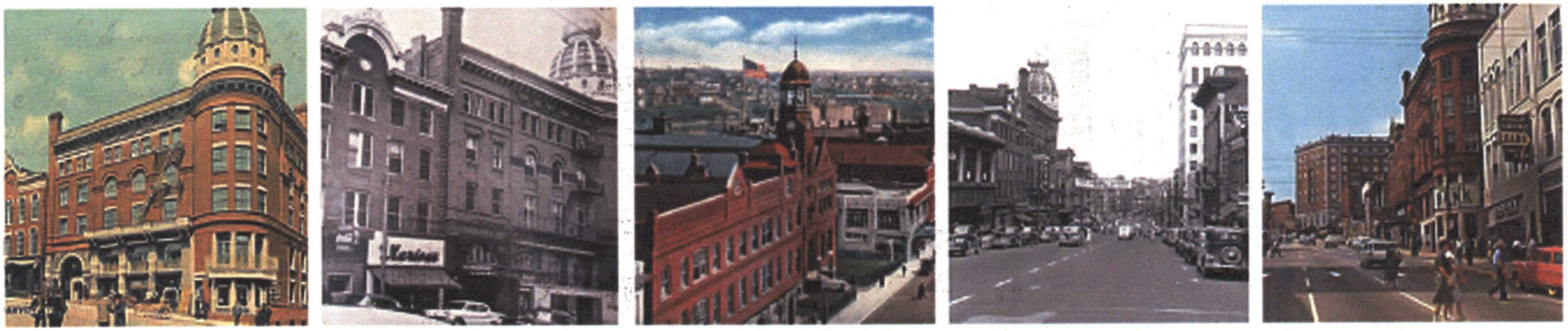
August 18, 2015s
Special Work Session with IDA
Parking Deck Presentation



Danville Main Street Parking Deck

Schematic Design Presentation
August 18, 2015

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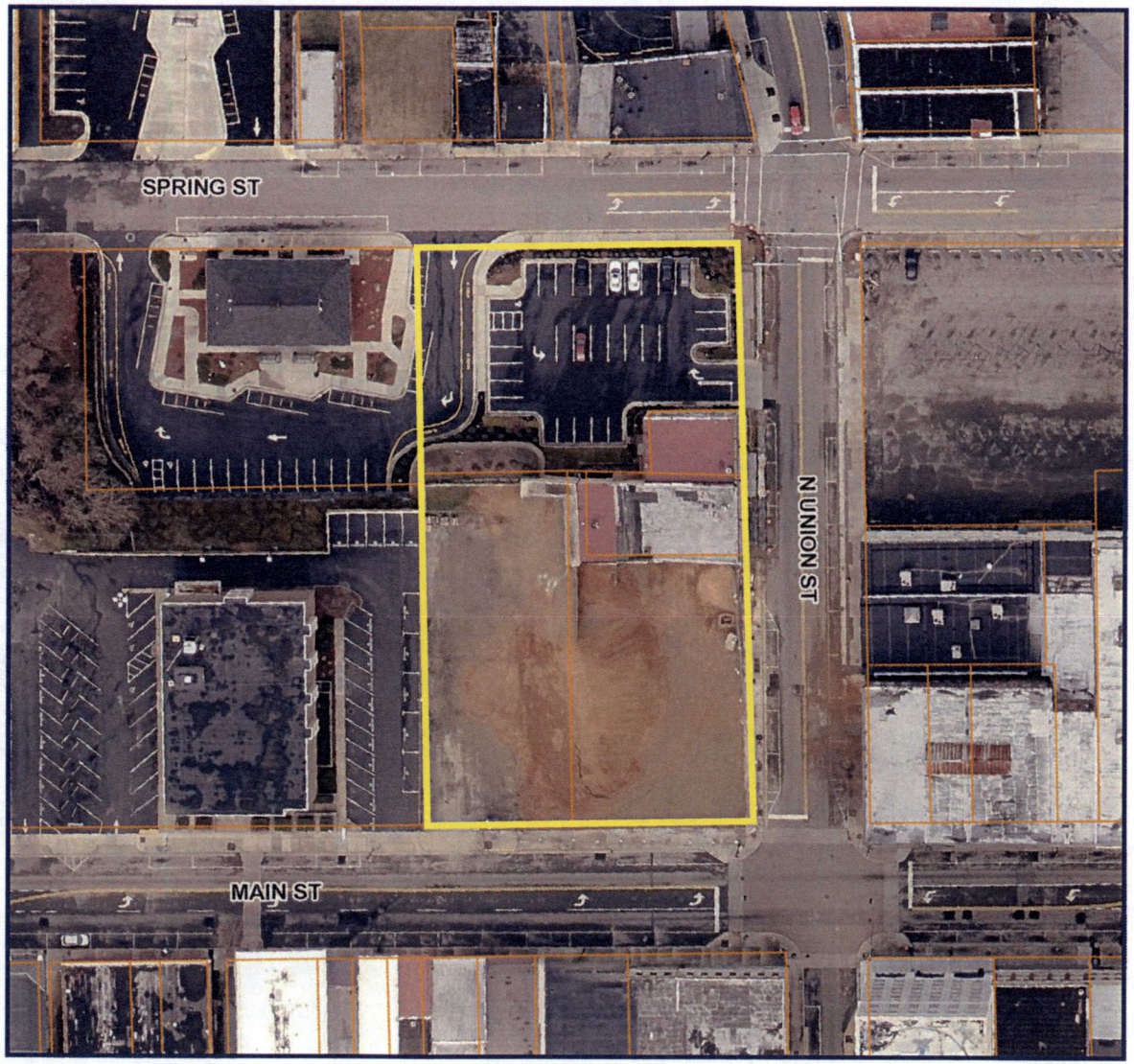
TIMMONS GROUP
DOWNEY & SCOTT, LLC Construction Management Services
SOLEX ARCHITECTURE

Danville Main Street Parking Deck

2013 Parking Study of Downtown and Surrounding Areas.

A future need for additional parking in the River District.

A preferred site at the intersection of Main and North Union Streets for the future construction of a 617 space parking facility.



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SOLEX ARCHITECTURE

Danville Main Street Parking Deck

RFP Requirements

Preliminary design to develop a budget.

A facade in character with the other buildings on Main Street and which is approved by the City's River District Guidelines Committee.

Floor space for retail areas along Main Street and possibly along North Union Street.

Wall space for reproduction of a mural which is currently on a building to be demolished.

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Danville Main Street Parking Deck

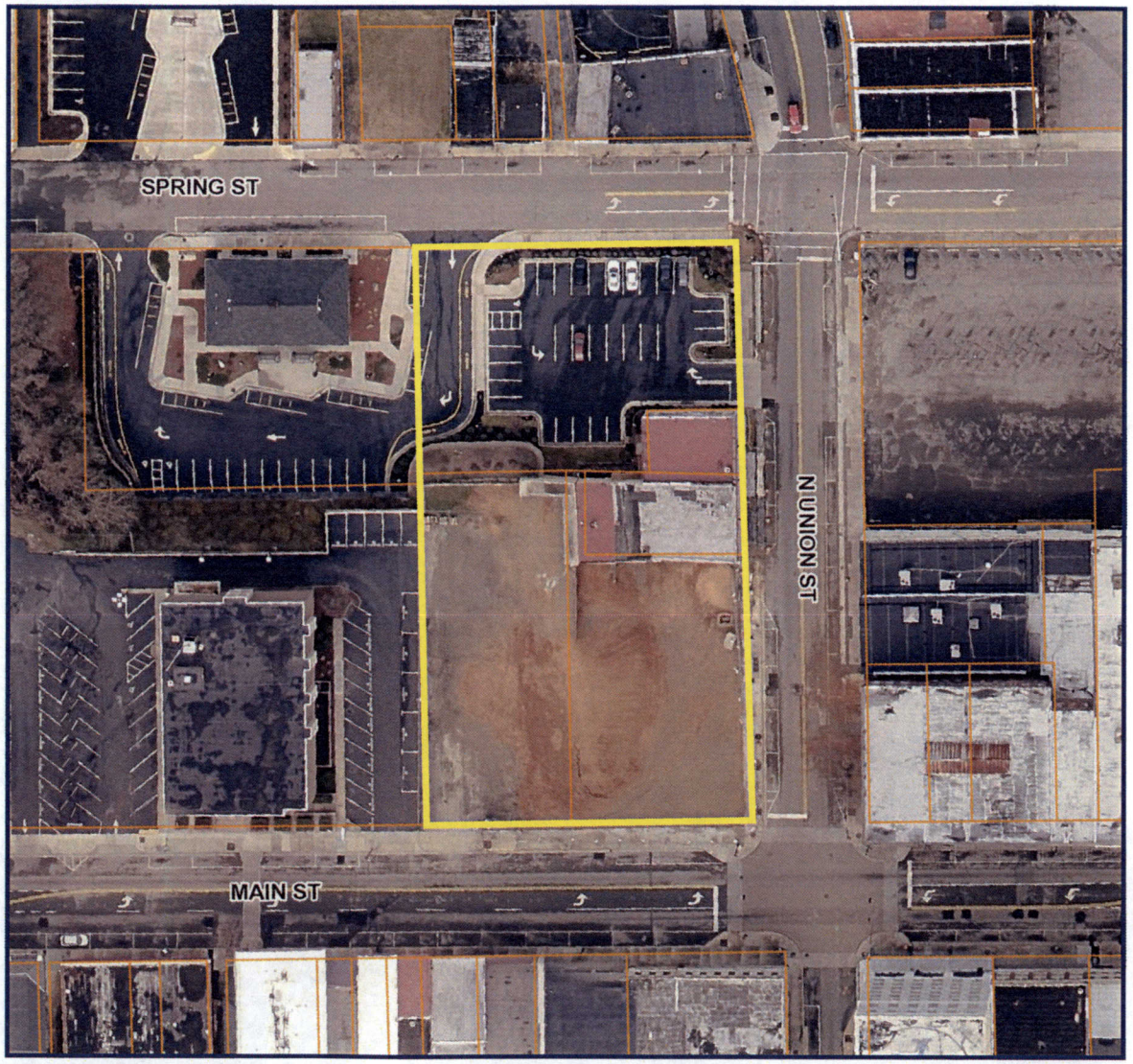
RFP Requirements

Space for a future electric transformer along North Union Street.

Maintains function of the adjacent bus transfer station.

Enhanced long-term durability and minimum maintenance and repair.

Safety and security.



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Danville Main Street Parking Deck

Schematic Design Drawings

Code Summary

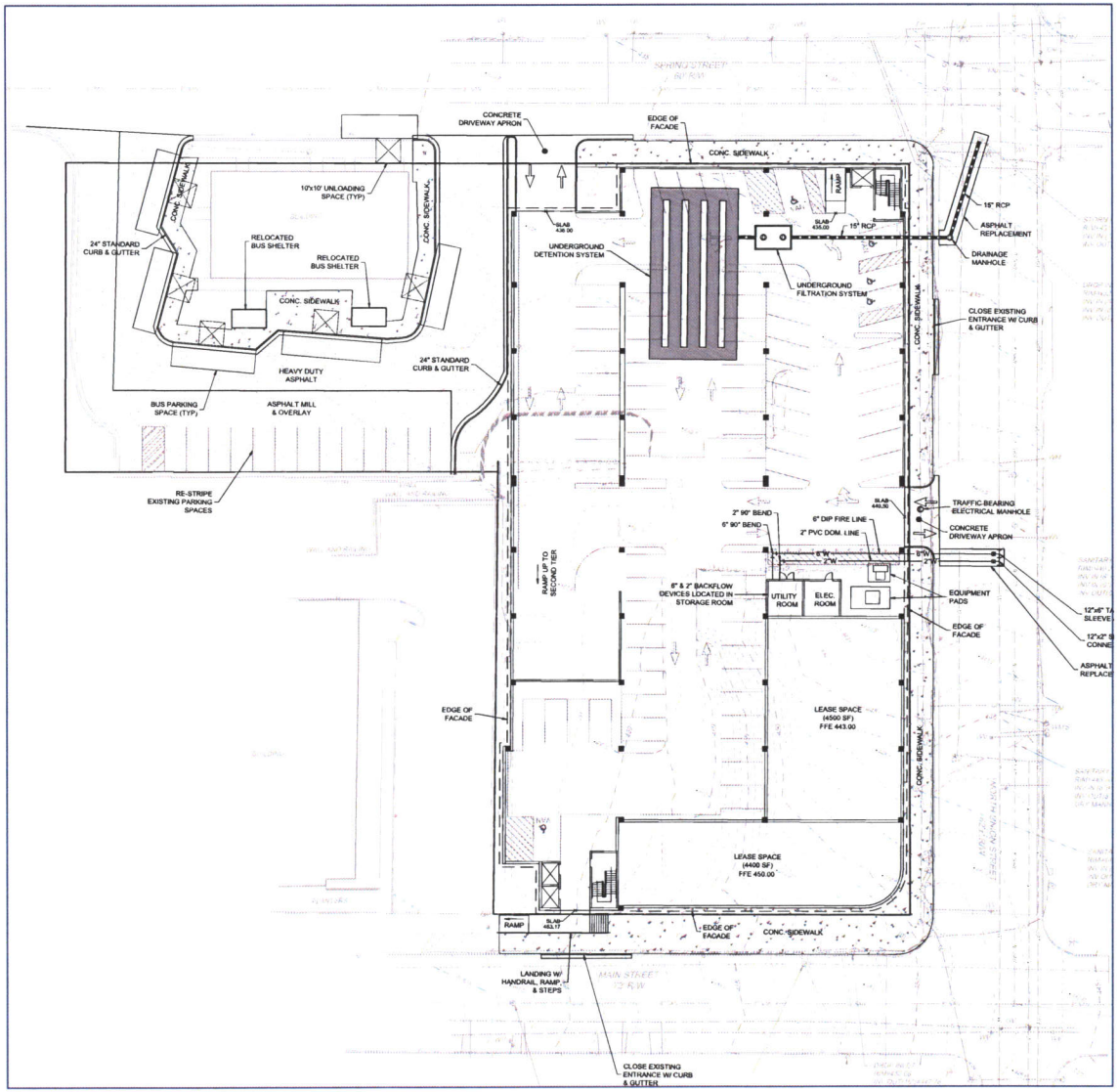
Site Plans

Floor Plans

Building Elevations & Section

Structural Plans

Rendering



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Danville Main Street Parking Deck

Schematic Design Manual

System Descriptions

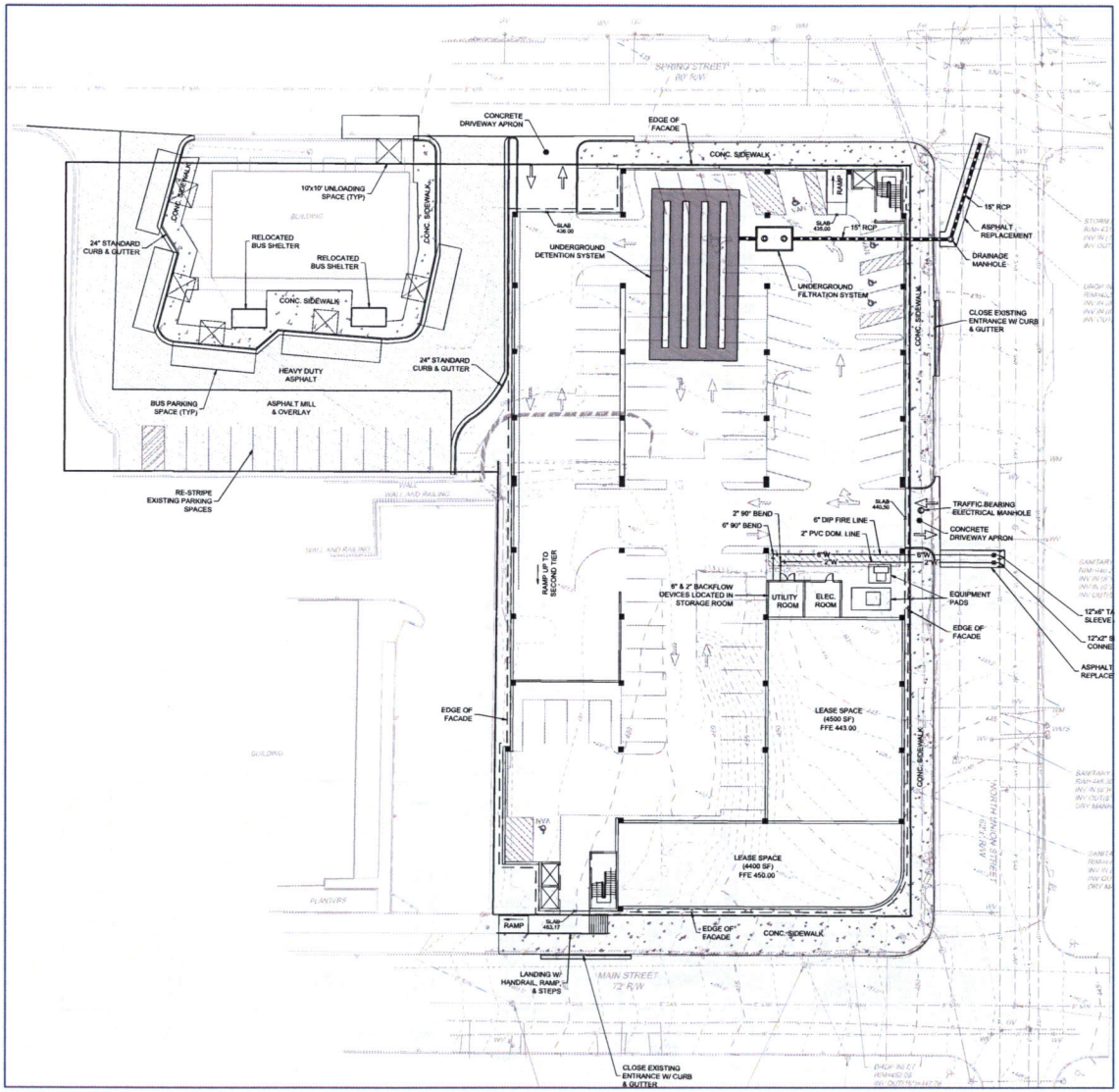
Design Commentary

Budget Information

- Annual O&M Costs
- Grant Funding
- Construction Cost Est.

Geotechnical Report

Phase 1 Environmental Report



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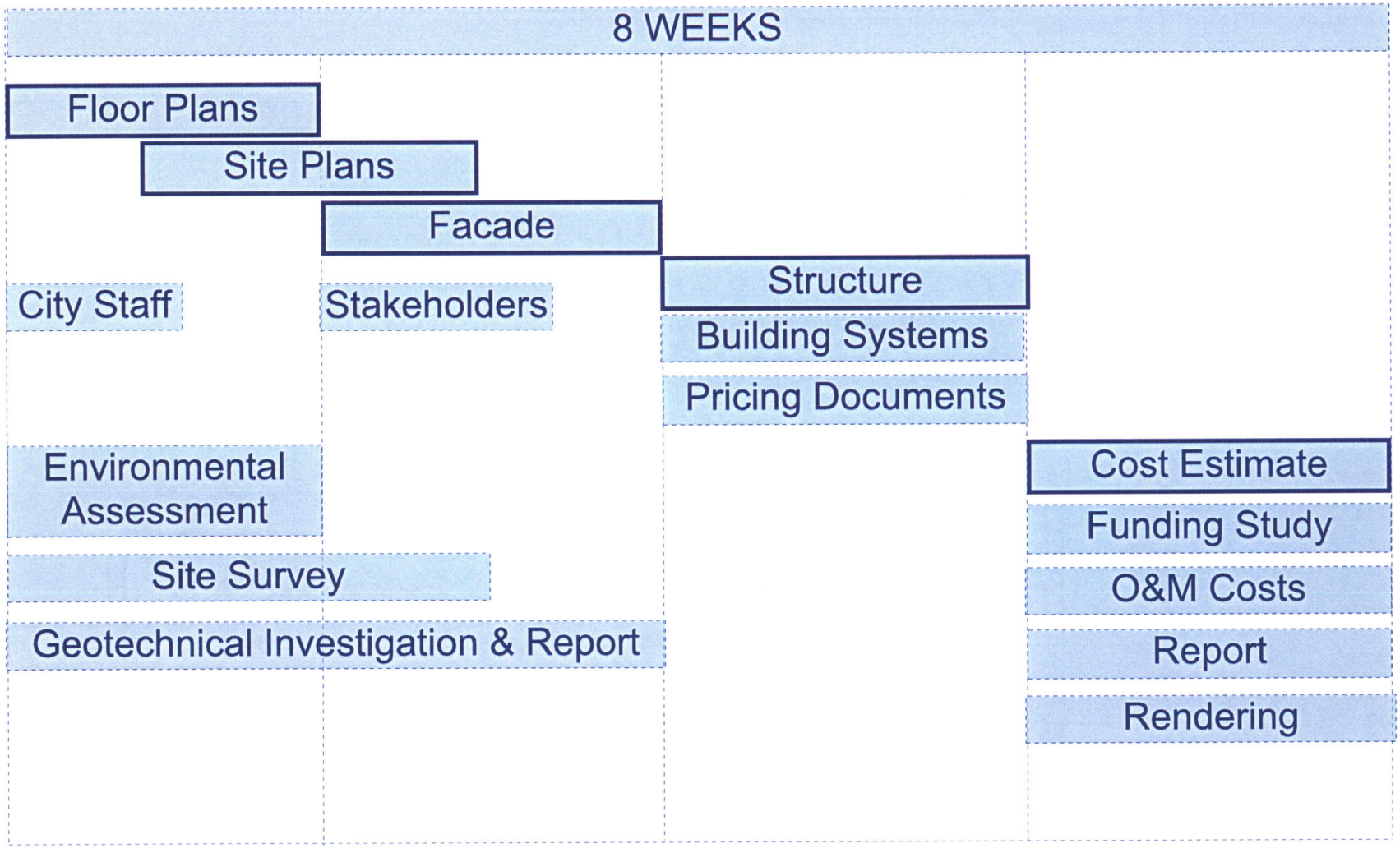
Danville Main Street Parking Deck

SCHEMATIC DESIGN SCHEDULE



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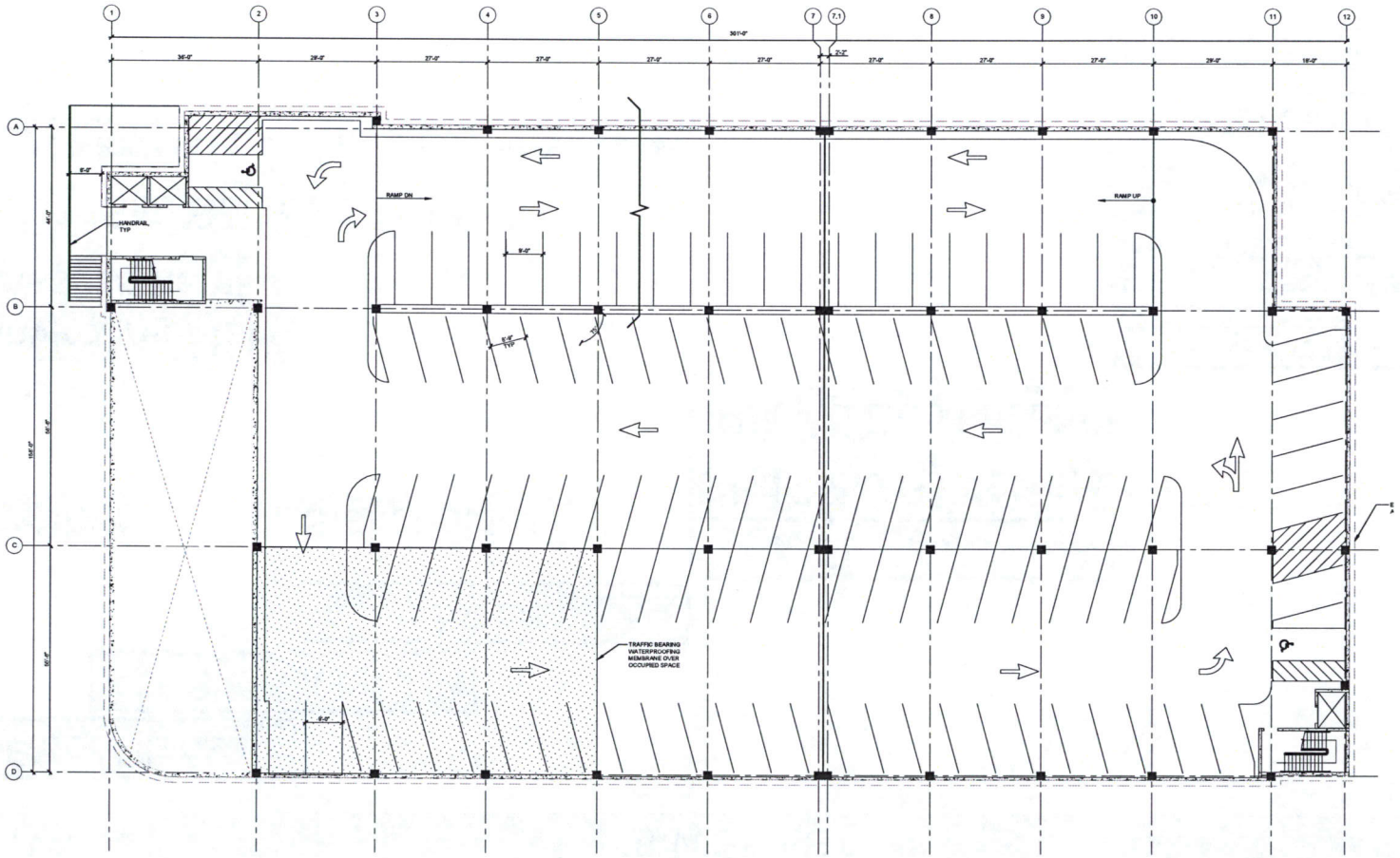
Danville Main Street Parking Deck

FLOOR PLAN DEVELOPMENT



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TIMMONS GROUP
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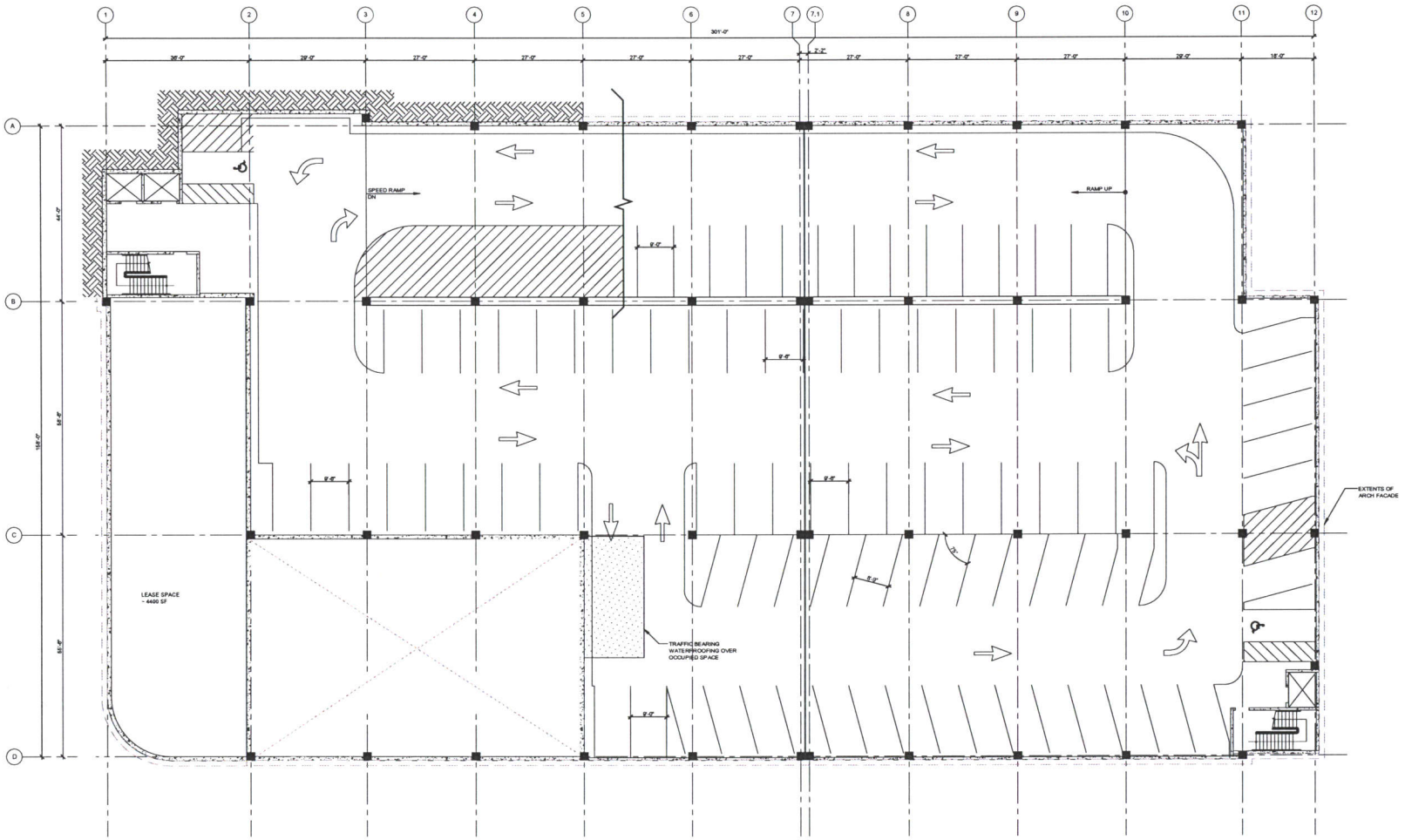

1 SECOND TIER PLAN

3/32" = 1'-0"

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Suite 140
Charlotte, NC 28277
704.247.8230 Ph
704.808.0487 Fax
www.walkerparking.com

Mark	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE

500 MAIN STREET

DANVILLE, VIRGINIA

SECOND TIER PLAN

Designed By:	LJH
Drawn By:	RCG
Checked By:	JDR
Date:	####

A10.2

1 GROUND TIER PLAN

3/32" = 1'-0"

CAR COUNT

9'-6" 90° STANDARD SPACE
9'-0" 90° STANDARD SPACE
8'-9" 75° STANDARD SPACE

TIER	STANDARD	COMPACT	CAR ACCESSIBLE	VAN ACCESSIBLE	TOTAL
GROUND	71	0	2	3	76
SECOND	87	0	2	0	89
THIRD	114	0	2	0	116
FOURTH	114	0	2	0	116
FIFTH	114	0	2	0	116
SIXTH	105	0	0	0	105
TOTAL	605	0	10	3	618

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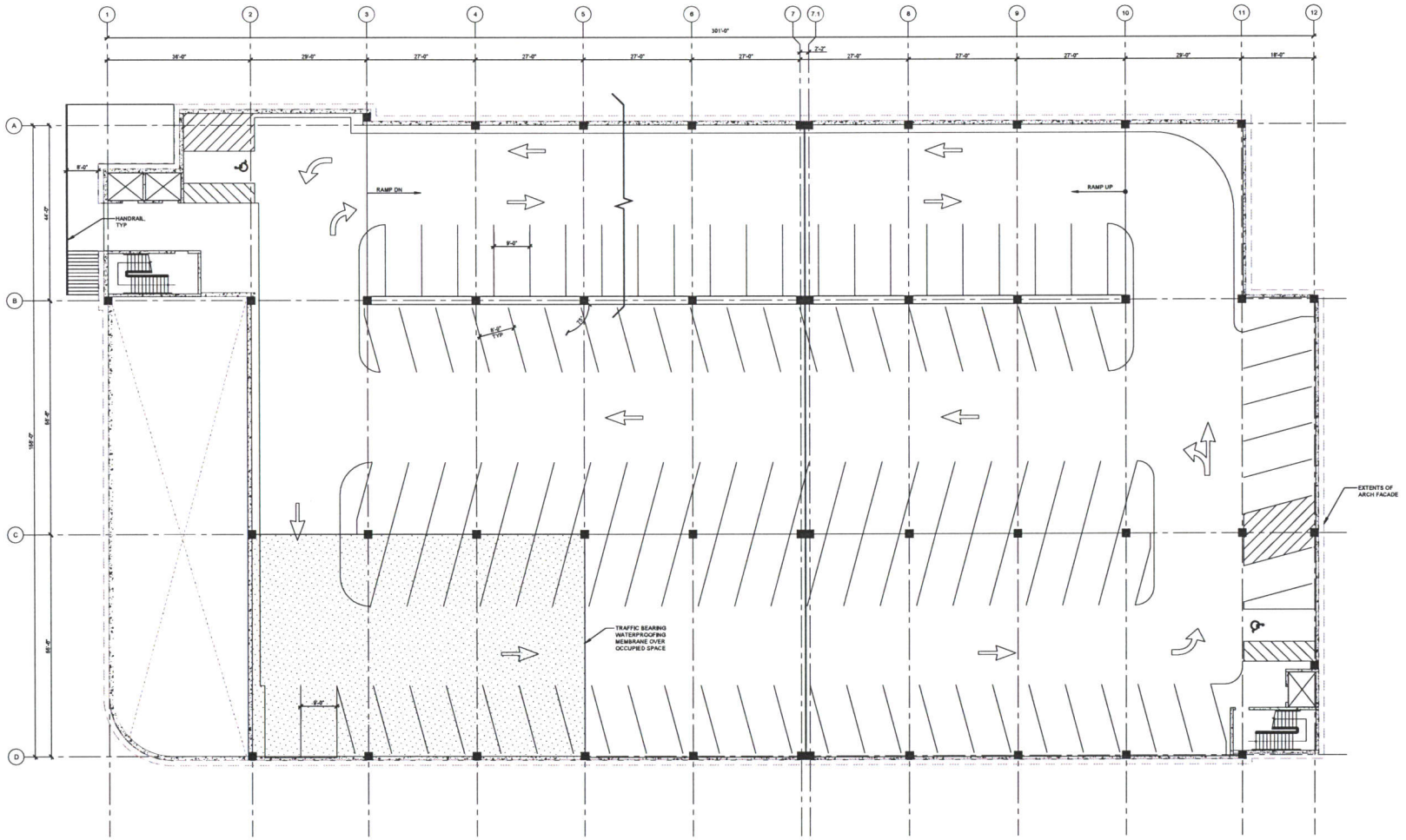
Mark	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
500 MAIN STREET
DANVILLE, VIRGINIA

GROUND TIER PLAN

Designed By:	LJH
Drawn By:	RCG
Checked By:	JDR
Date:	####

A10.1



1 THIRD TIER PLAN

0 8' 16' 24'
3/32" = 1'-0"

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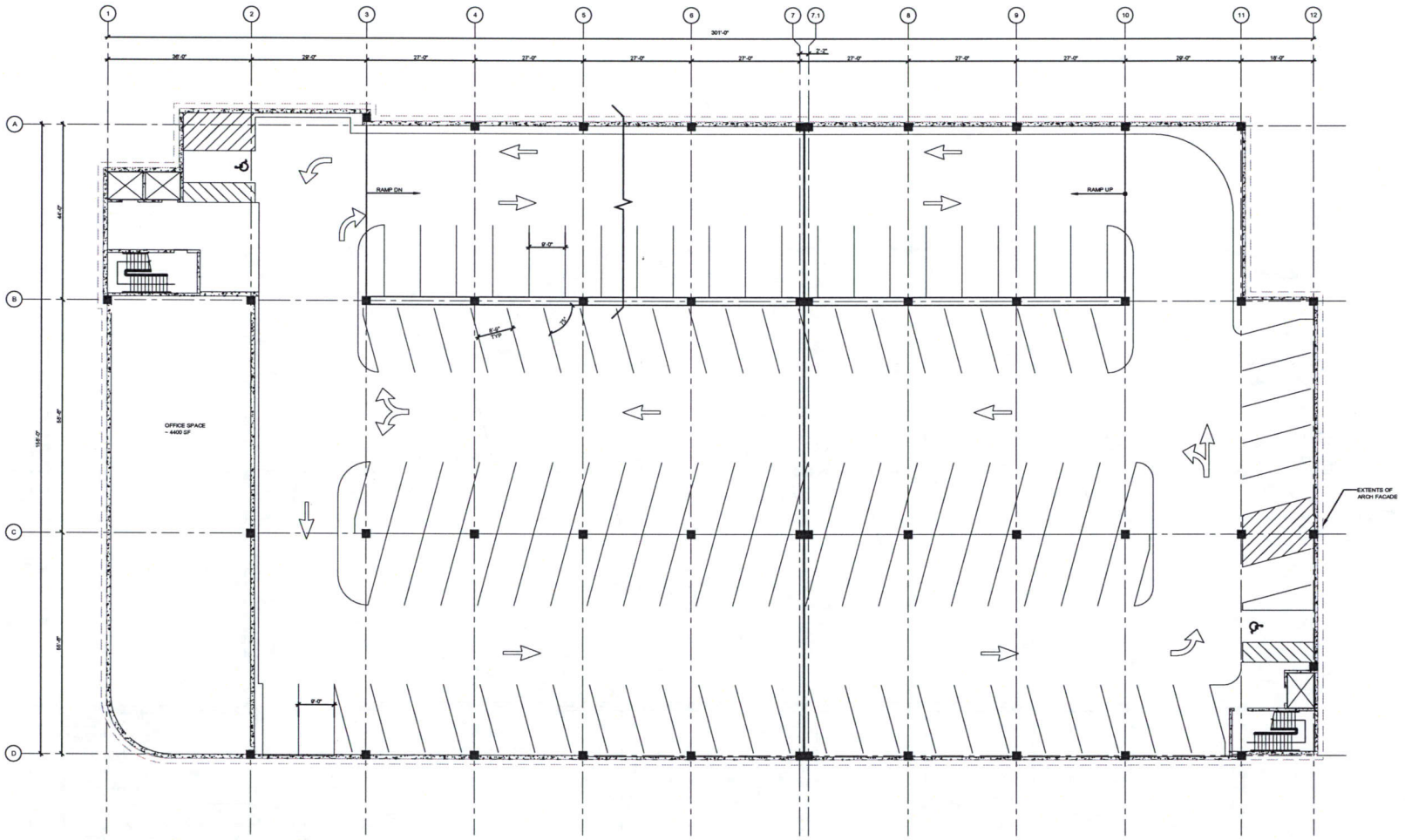
DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
500 MAIN STREET
DANVILLE, VIRGINIA

THIRD TIER PLAN

Designed By:	LJH
Drawn By:	RCG
Checked By:	JDR
Date:	####

A10.3



1 FOURTH TIER PLAN

3/32" = 1'-0"

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DOWNTOWN PARKING DECK
#26

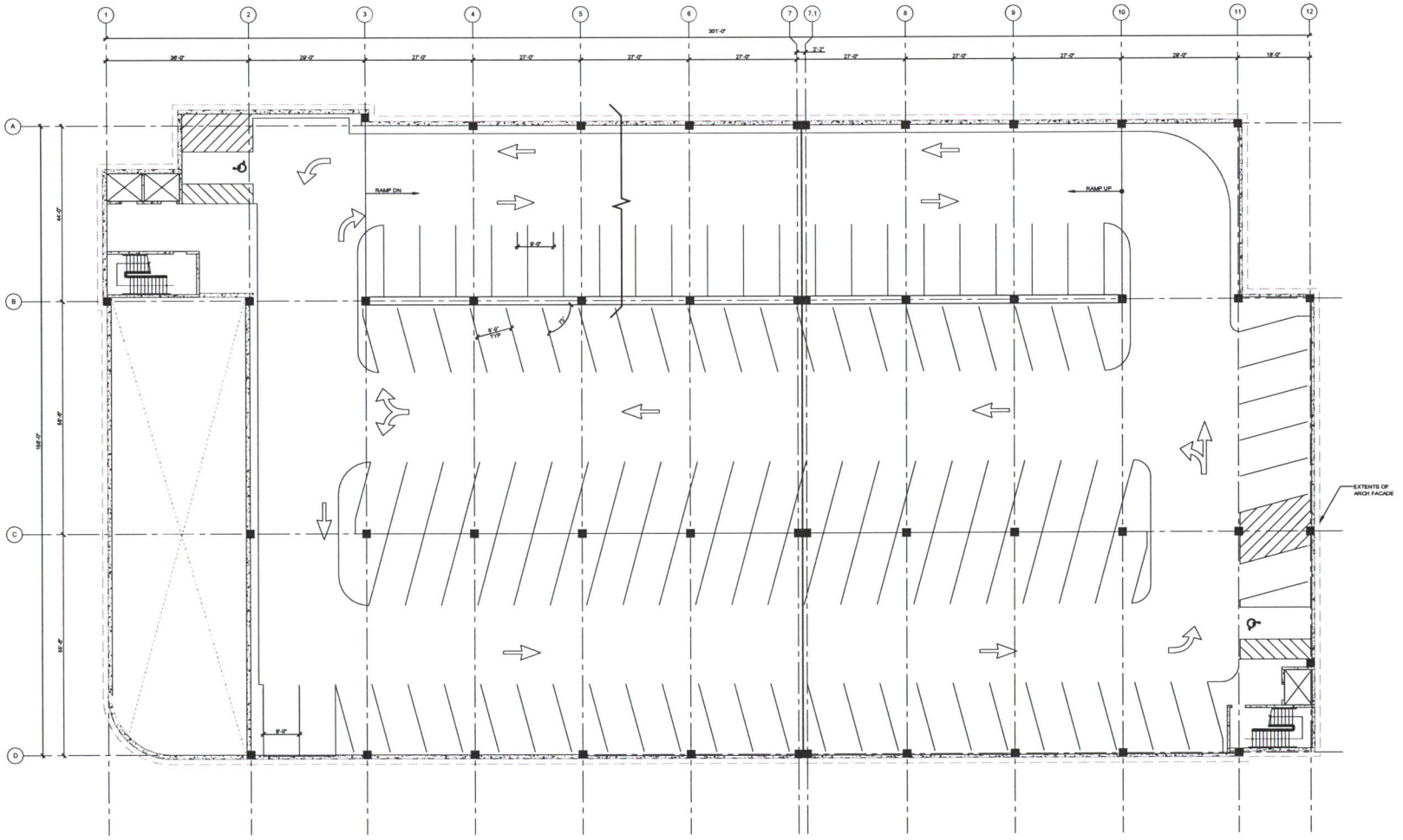
CITY OF DANVILLE

530 MAIN STREET DANVILLE, VIRGINIA

FOURTH TIER PLAN

Designed By:	L.JH
Drawn By:	RCG
Checked By:	JSW
Date:	####

A10.4



1 FIFTH TIER PLAN

3/32" = 1'-0"

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Rev.	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE

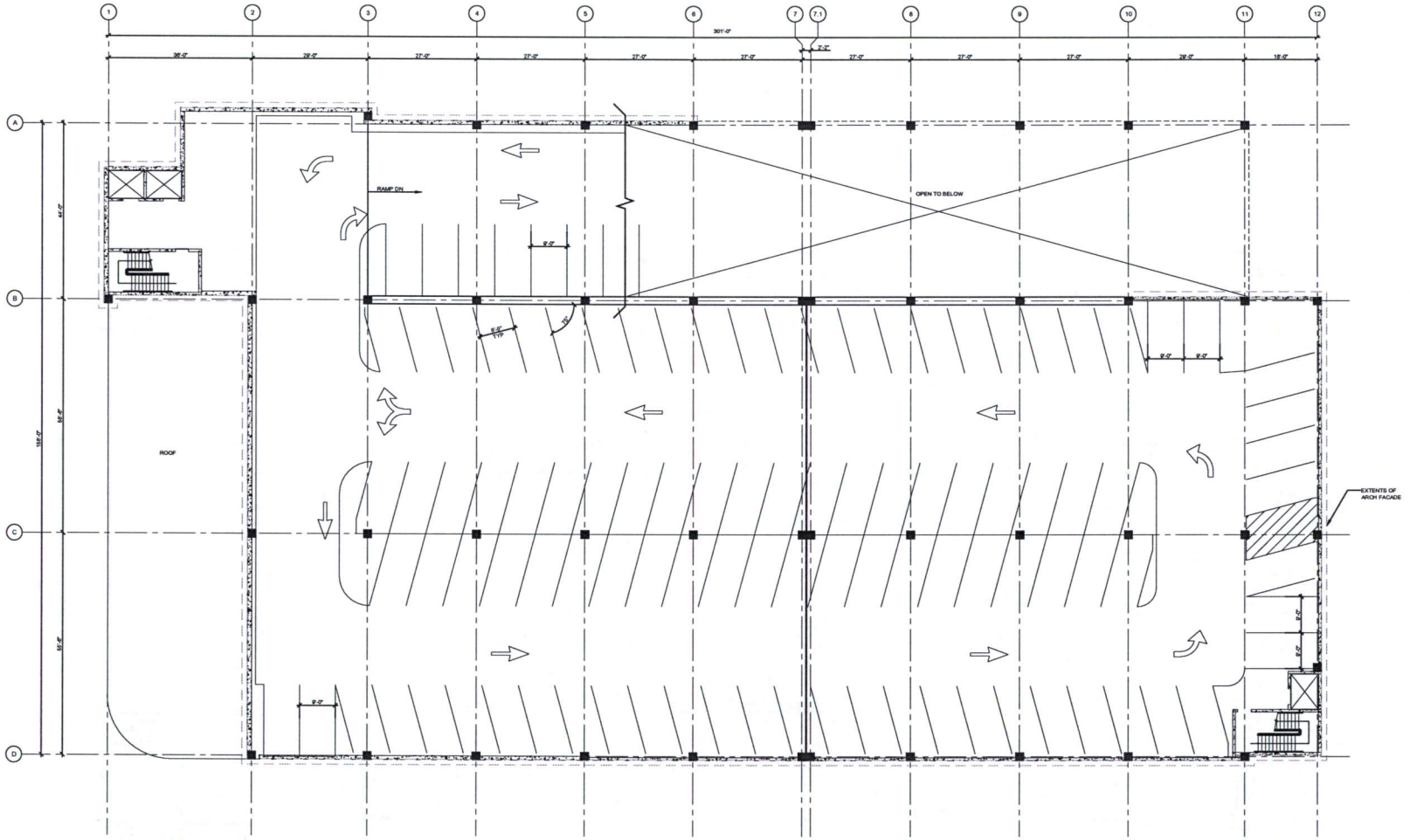
500 MAIN STREET

DANVILLE, VIRGINIA

FIFTH TIER PLAN

Designed By:	LJH
Drawn By:	RCG
Checked By:	JBR
Date:	####

A10.5



1 TOP TIER PLAN

3/32" = 1'-0"

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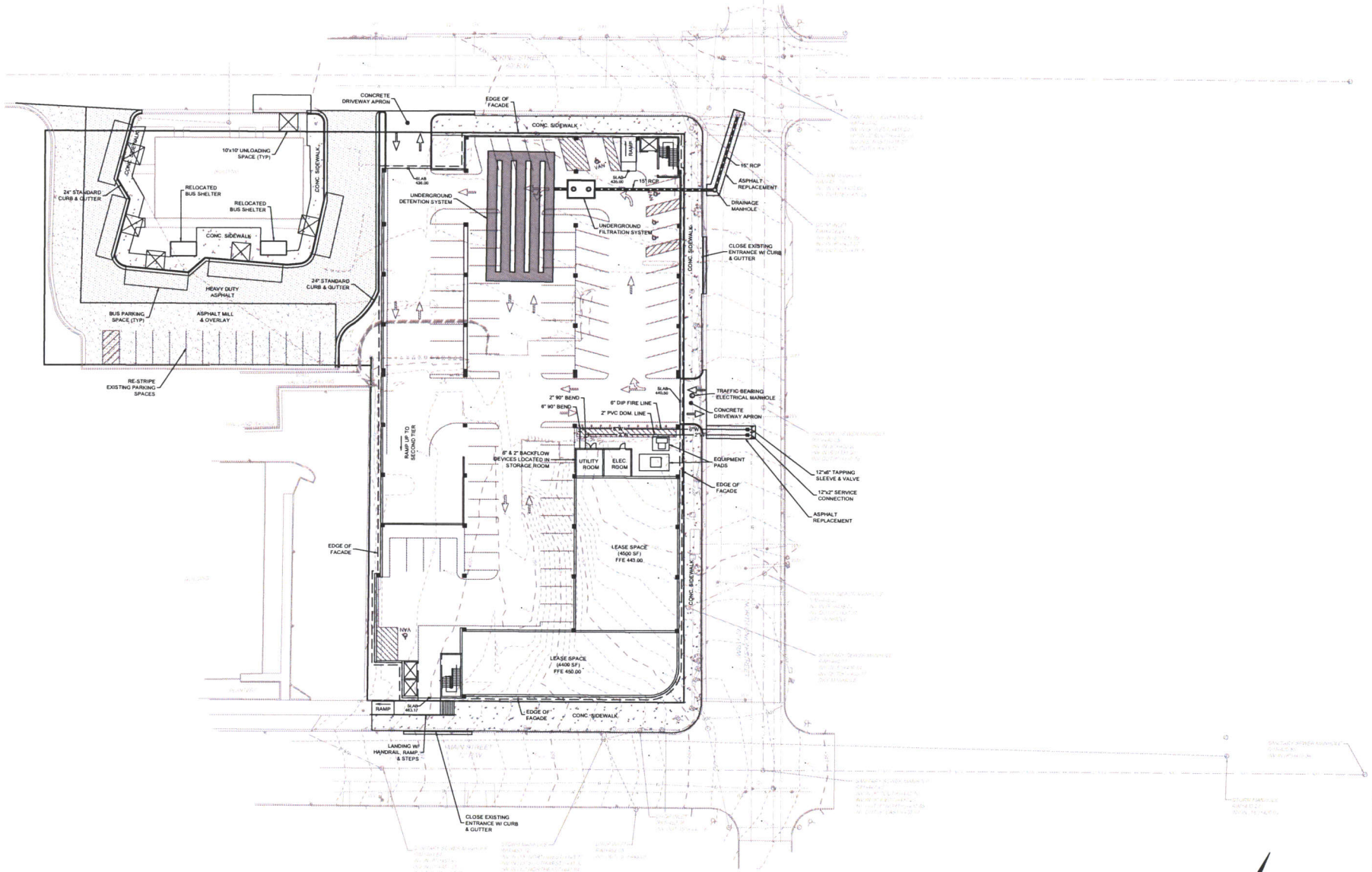
Rev	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
500 MAIN STREET
DANVILLE, VIRGINIA

TOP TIER PLAN

Designed By:	LJH
Drawn By:	RCG
Checked By:	JDR
Date:	0000

A10.6



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DOWNTOWN PARKING DECK
CITY OF DANVILLE
DANVILLE, VIRGINIA
506 MAIN STREET

SITE PLAN

Designed By:	A. CARROLL
Drawn By:	J. MOORE
Checked By:	A. CARROLL
Date:	7-24-15

C3.0

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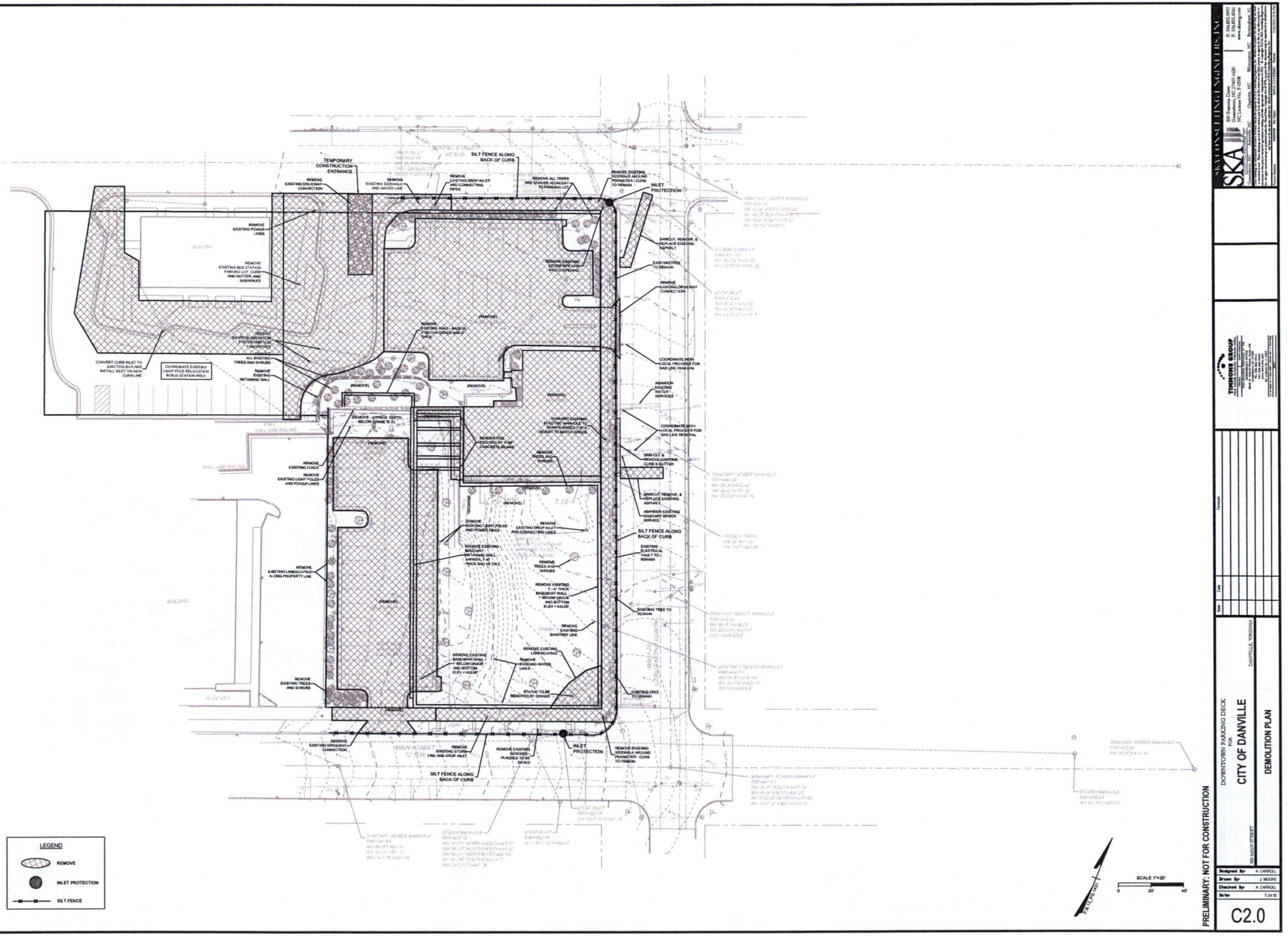

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No.	Date	Remarks

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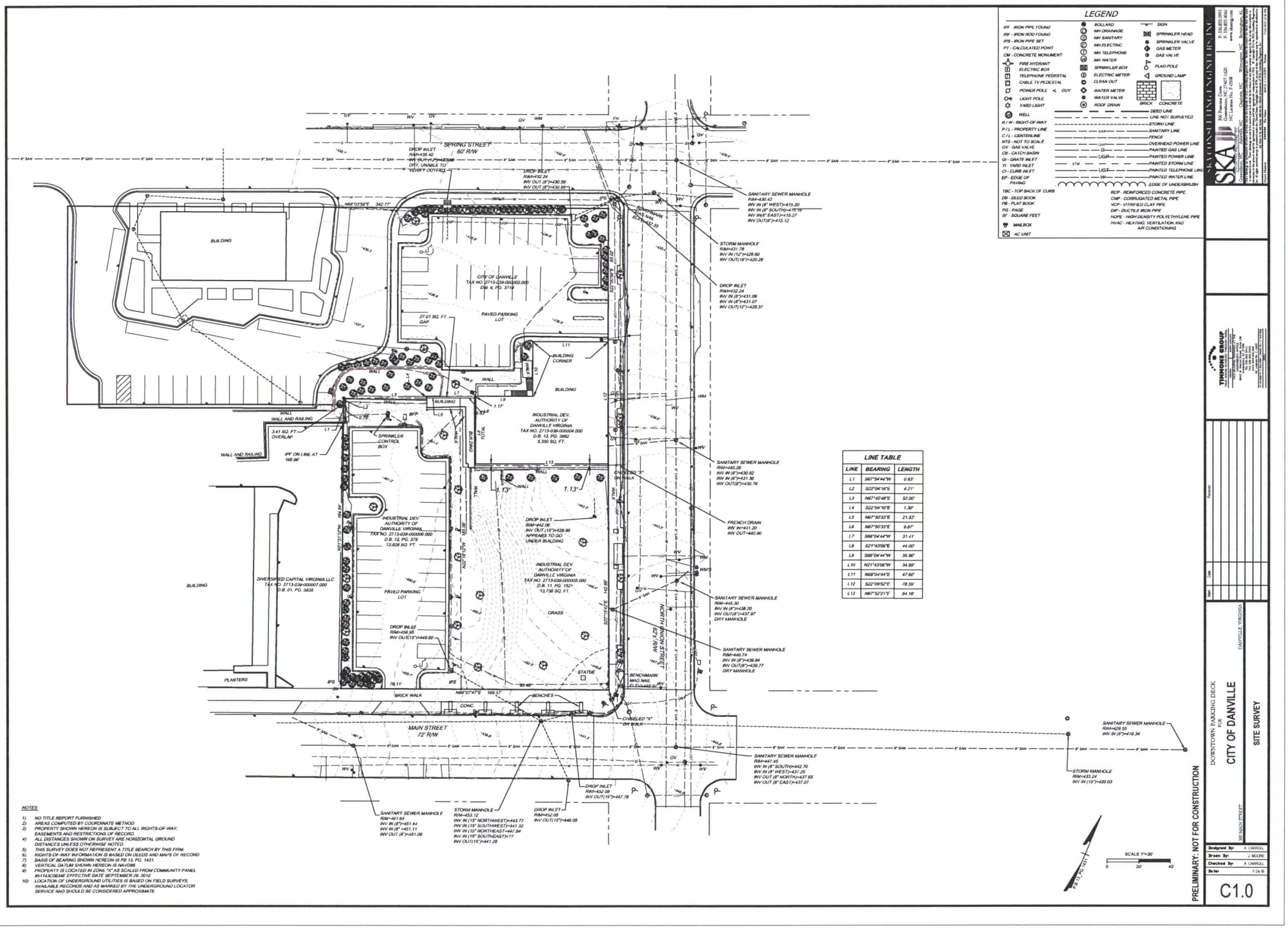
DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
DANVILLE, VIRGINIA
501 MAIN STREET

DEMOLITION PLAN

Designed By:	A. CARROLL
Drawn By:	J. MOORE
Checked By:	A. CARROLL
Date:	7-24-15

C2.0



LINE TABLE

LINE	BEARING	LENGTH
L1	S67°54'44"W	0.83'
L2	S22°04'16"E	4.21'
L3	N67°40'48"E	52.00'
L4	S22°04'16"E	1.30'
L5	N67°50'33"E	21.53'
L6	N67°50'33"E	9.87'
L7	S68°04'44"W	31.41'
L8	S21°43'06"E	44.00'
L9	S68°04'44"W	35.96'
L10	N21°43'06"W	34.89'
L11	N68°04'44"E	47.60'
L12	S22°09'52"E	78.59'
L13	N67°53'21"E	84.18'

LEGEND

IPF - IRON PIPE FOUND
IRF - IRON ROD FOUND
IPS - IRON PIPE SET
PT - CALCULATED POINT
CM - CONCRETE MONUMENT
FIRE HYDRANT
ELECTRIC BOX
TELEPHONE PEDESTAL
CABLE TV PEDESTAL
POWER POLE < GUY
LIGHT POLE
YARD LIGHT
WELL
R / W - RIGHT-OF-WAY
P / L - PROPERTY LINE
C / L - CENTERLINE
NTS - NOT TO SCALE
GV - GAS VALVE
CB - CATCH BASIN
GI - GRATE INLET
YI - YARD INLET
CI - CURB INLET
EP - EDGE OF PAVING
TBC - TOP BACK OF CURB
DB - DEED BOOK
PB - PLAT BOOK
PG - PAGE
SF - SQUARE FEET
MAILBOX
AC UNIT
BOLLARD
MH DRAINAGE
MH SANITARY
MH ELECTRIC
MH TELEPHONE
MH WATER
SPRINKLER BOX
ELECTRIC METER
CLEAN OUT
WATER METER
WATER VALVE
ROOF DRAIN
SIGN
SPRINKLER HEAD
SPRINKLER VALVE
GAS METER
GAS VALVE
FLAG POLE
GROUND LAMP
BRICK
CONCRETE
DEED LINE
LINE NOT SURVEYED
STORM LINE
SANITARY LINE
FENCE
OVERHEAD POWER LINE
PAINTED GAS LINE
PAINTED POWER LINE
PAINTED STORM LINE
PAINTED TELEPHONE LINE
PAINTED WATER LINE
EDGE OF UNDERBRUSH
RCP - REINFORCED CONCRETE PIPE
CMP - CORRUGATED METAL PIPE
VCP - VITRIFIED CLAY PIPE
DIP - DUCTILE IRON PIPE
HDPE - HIGH DENSITY POLYETHYLENE PIPE
HVAC - HEATING, VENTILATION AND AIR CONDITIONING

NOTES:

1) NO TITLE REPORT FURNISHED.
2) AREAS COMPUTED BY COORDINATE METHOD.
3) PROPERTY SHOWN HEREON IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS AND RESTRICTIONS OF RECORD.
4) ALL DISTANCES SHOWN ON SURVEY ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
5) THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY THIS FIRM.
6) RIGHTS OF-WAY INFORMATION IS BASED ON DEEDS AND MAPS OF RECORD.
7) BASIS OF BEARING SHOWN HEREON IS PB 13, PG. 1431.
8) VERTICAL DATUM SHOWN HEREON IS NAVD88.
9) PROPERTY IS LOCATED IN ZONE "X" AS SCALED FROM COMMUNITY PANEL #5114C0363E EFFECTIVE DATE SEPTEMBER 29, 2010
10) LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AVAILABLE RECORDS AND AS MARKED BY THE UNDERGROUND LOCATOR SERVICE AND SHOULD BE CONSIDERED APPROXIMATE.

SCALE 1"=20'
0 20' 40

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Mark	Date	Description

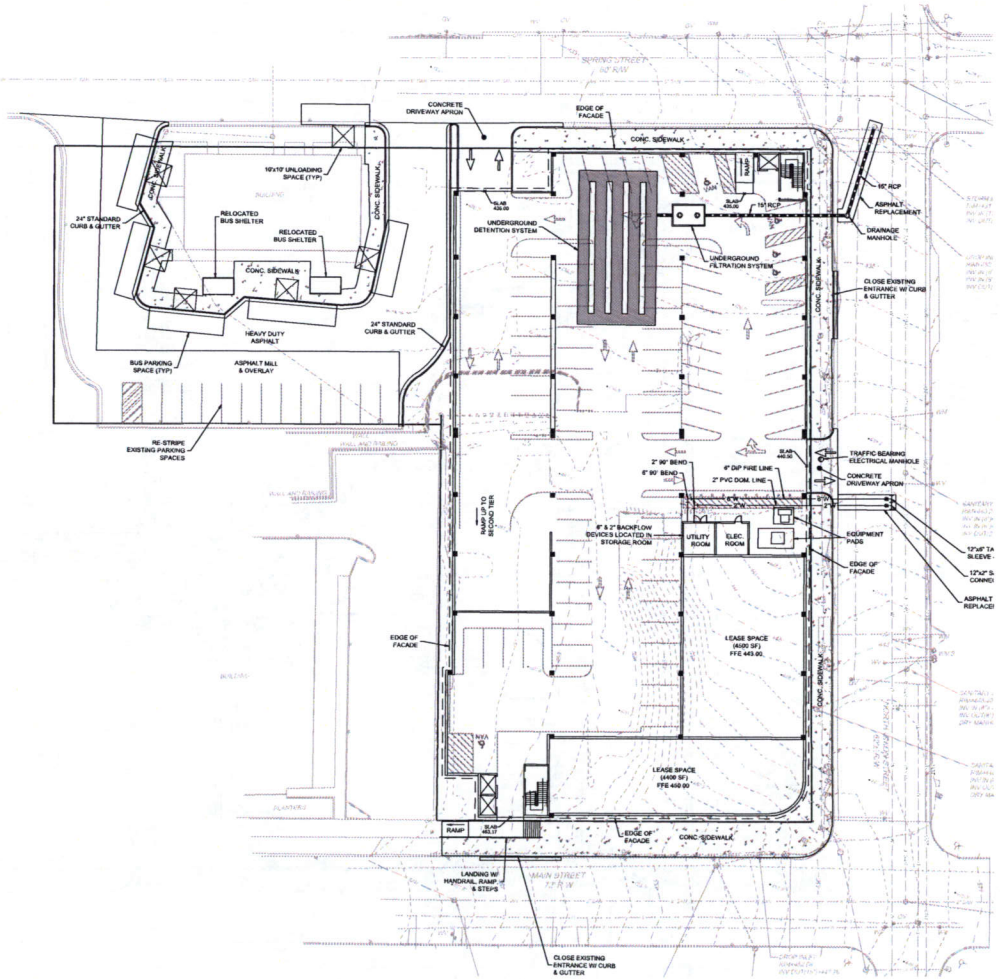
DOWNTOWN PARKING DECK
PDS
CITY OF DANVILLE
DANVILLE, VIRGINIA
SITE SURVEY
500 MAIN STREET

Designed By:	A. CARROLL
Drawn By:	J. MOORE
Checked By:	A. CARROLL
Date:	7-24-15

C1.0

Danville Main Street Parking Deck

SITE PLAN DEVELOPMENT



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WALKER PARKING CONSULTANTS

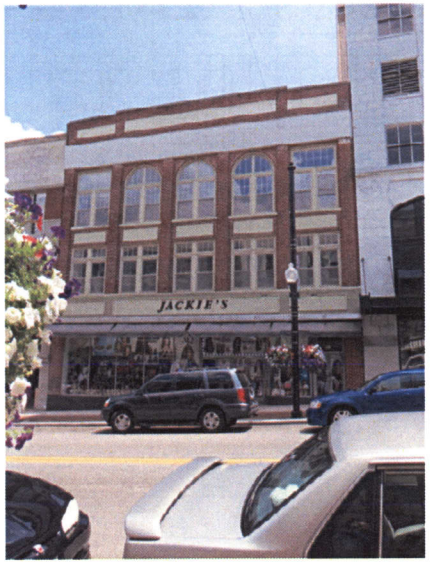
TIMMONS GROUP

DOWNEY & SCOTT, LLC Construction Management Services

SOLEX ARCHITECTURE

Danville Parking Deck

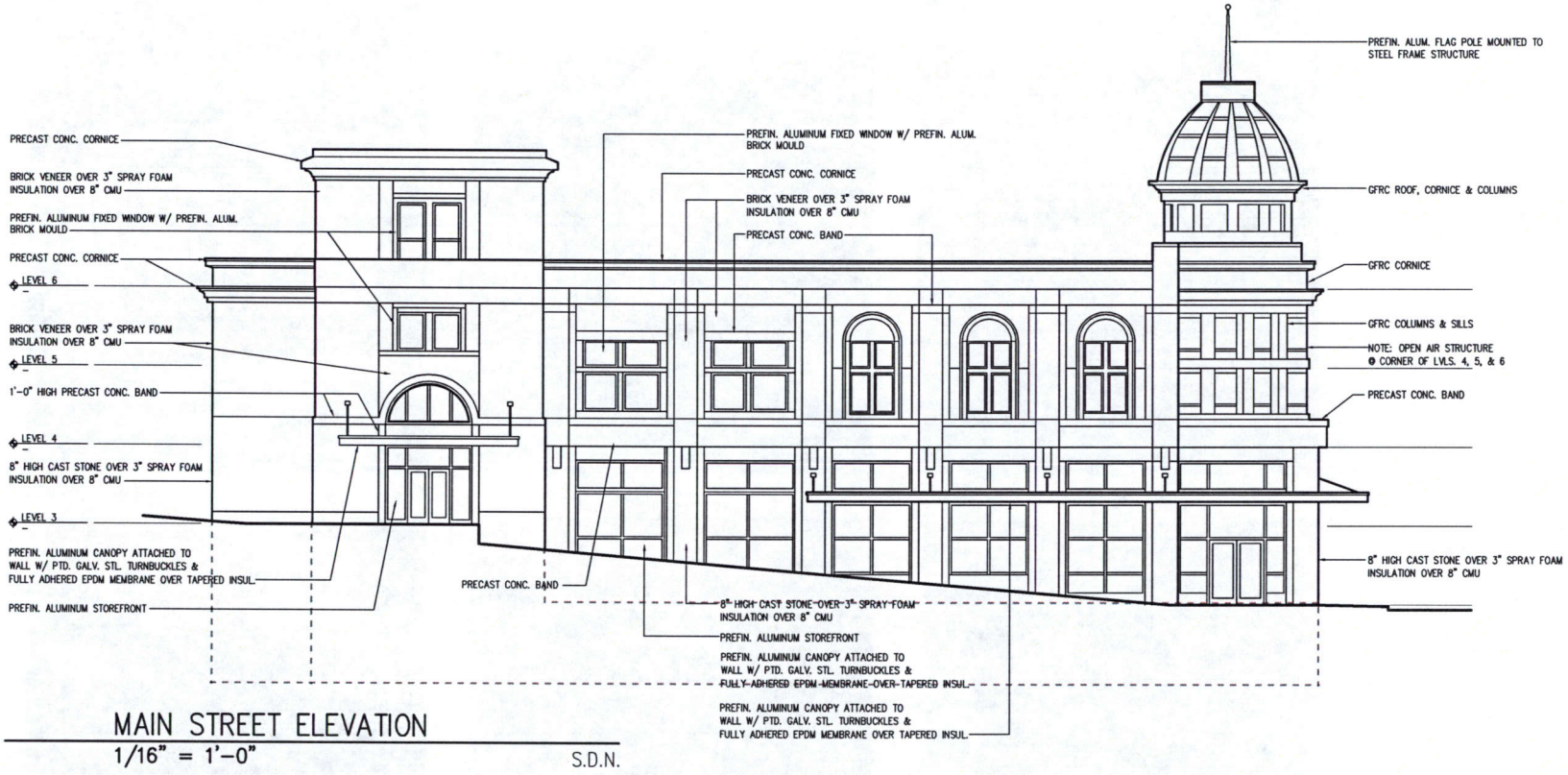
Visual Preference Survey



- Which elements of buildings along Main Street should the parking deck take architectural cues from?

Danville Main Street Parking Deck

FACADE DEVELOPMENT



MAIN STREET ELEVATION

1/16" = 1'-0"

S.D.N.

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TIMMONS GROUP

DOWNEY & SCOTT, LLC Construction Management Services

SOLEX ARCHITECTURE

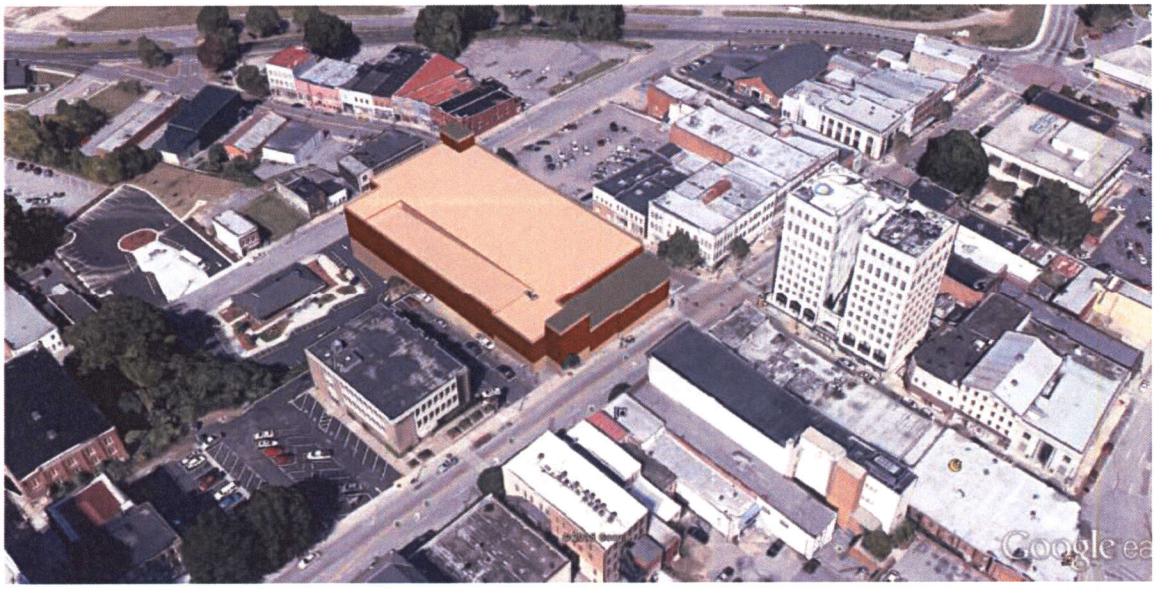
- Are there historical elements from the former Hotel Burton that should be referenced in the new deck design?

- Is a monumental entrance desired on the corner or along the street edge of Main or Union?

- The design team is considering security grilles at the street level of the deck on a portion of the side street and rear street. to give pedestrians an added level of safety. To that end, please indicate the appropriateness of these two options, 1) grates and 2) fencing.

- Is it desirable for the new elevations of the parking deck levels to mimic adjacent building facades (broken up individualized sections)?

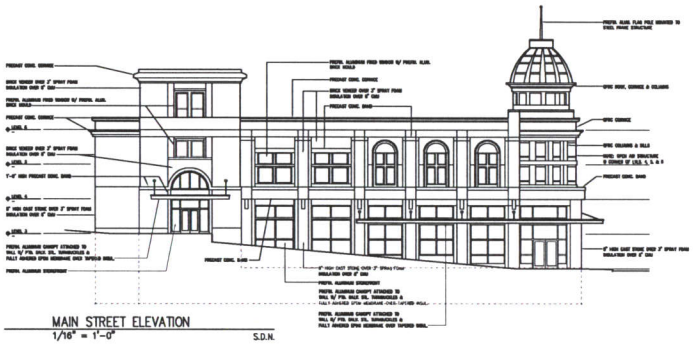
Option 1 – View from Northwest Corner



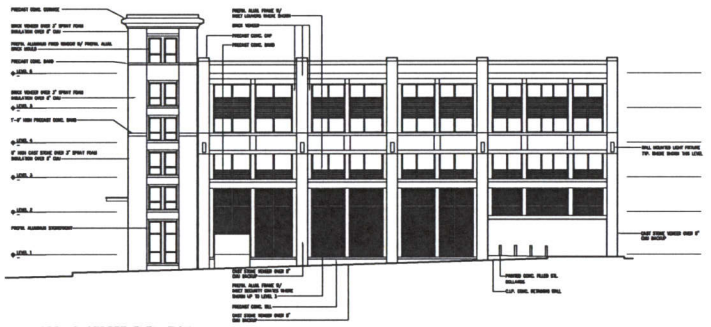
Option 1 – View from Northeast Corner

Option 1 – View from Southeast Corner

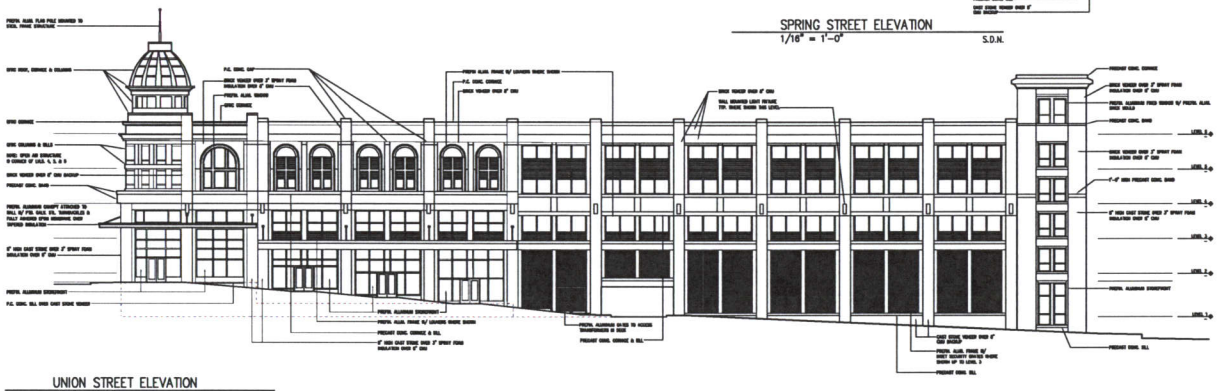
Option 1 – View from Southwest Corner



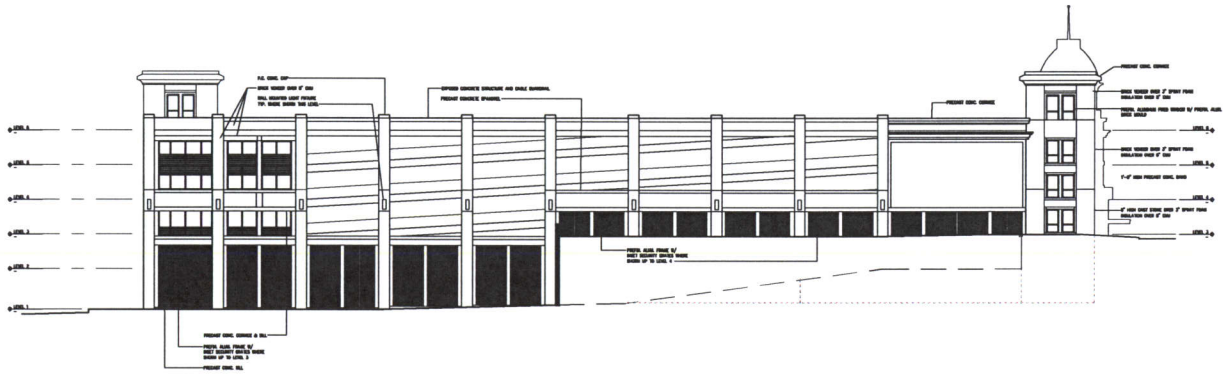
MAIN STREET ELEVATION
1/16" = 1'-0" S.D.N.



SPRING STREET ELEVATION
1/16" = 1'-0" S.D.N.



UNION STREET ELEVATION
1/16" = 1'-0" S.D.N.



EAST ELEVATION
1/16" = 1'-0" S.D.N.

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ARCHITECTURE • INTERIORS • PLANNING
530 NORTH TRADE STREET, SUITE 201
WINSTON-SALEM NORTH CAROLINA 27101 P 336.725.1371

Mark	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
DANVILLE, VIRGINIA
300 MAIN STREET

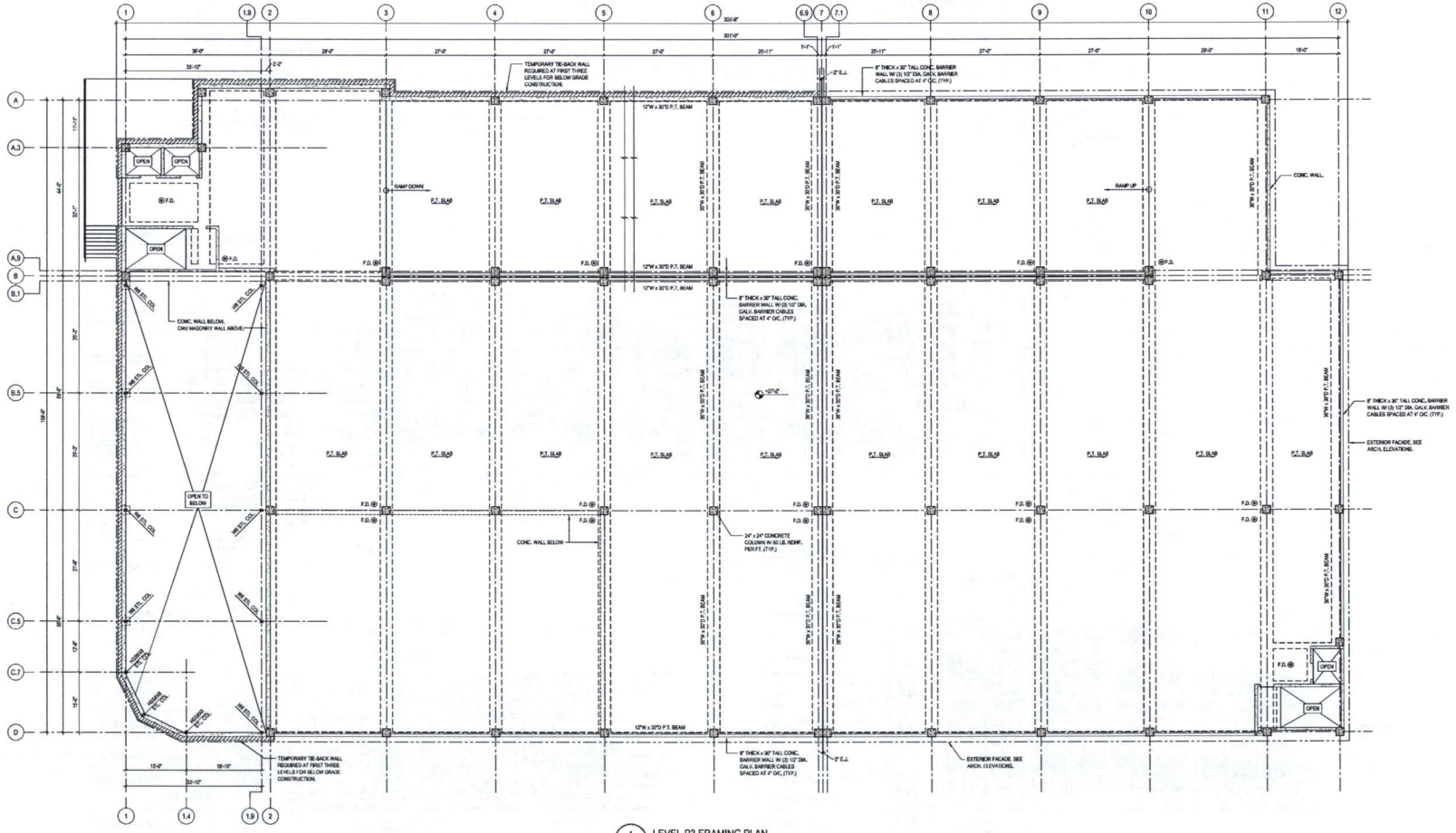
EXTERIOR WALL ELEVATIONS

Designed By: —
Drawn By: —
Checked By: —
Date: —

A4.1

Danville Main Street Parking Deck

STRUCTURAL DEVELOPMENT



1 / S2.3 LEVEL P3 FRAMING PLAN

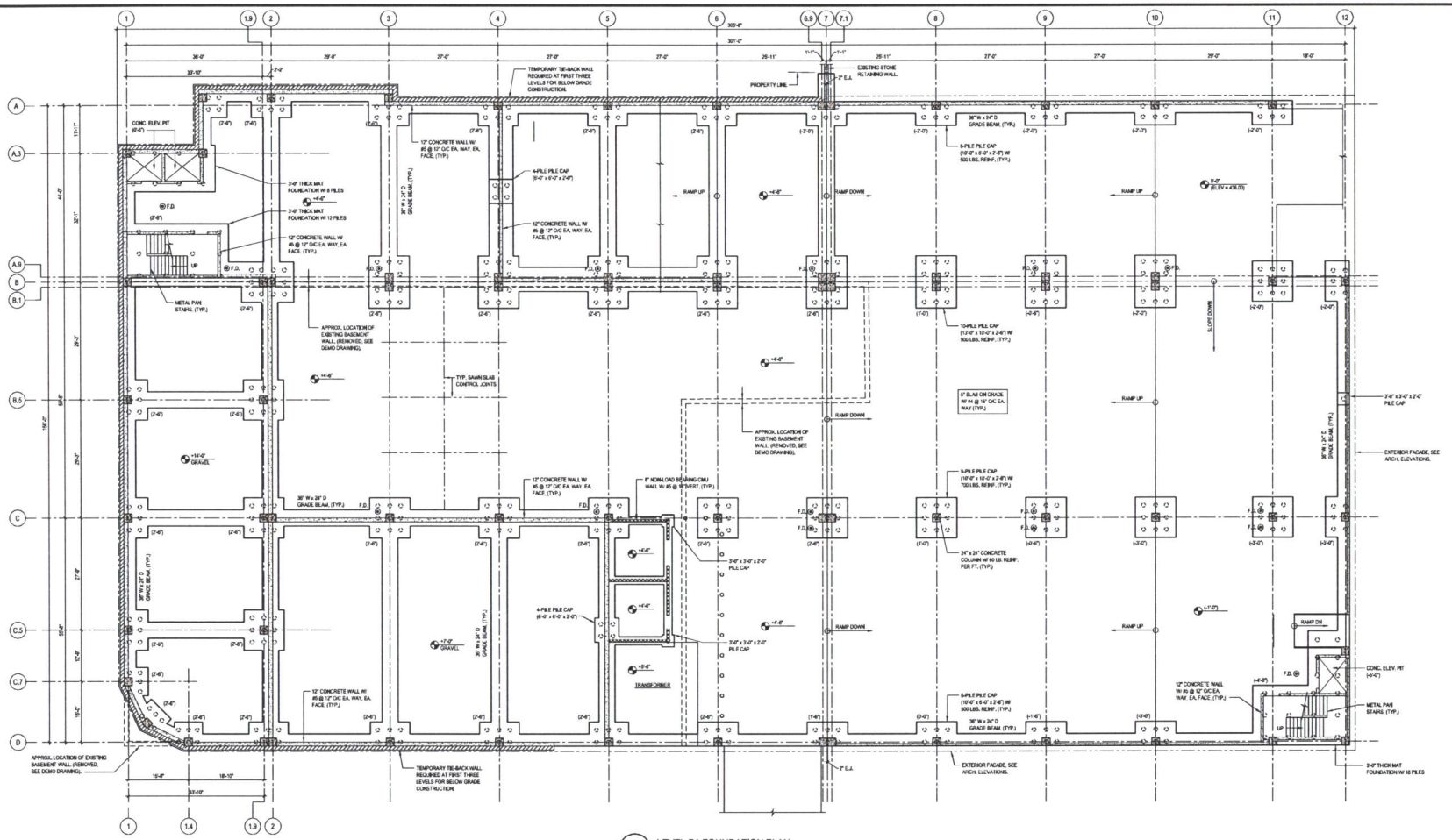
SKA walterrobbs ARCHITECTURE + INTERIORS + PLANNING

WALKER PARKING CONSULTANTS

TIMMONS GROUP

DOWNEY & SCOTT, LLC Construction Management Services

SOLEX ARCHITECTURE



1 / S2.1 LEVEL P1 FOUNDATION PLAN

3/32" = 1'-0"

FOUNDATION PLAN NOTES

1. PILES TO BE 18" DIAMETER AUGER-CAST PILES W/ 300 POUNDS REINF. AVERAGE LENGTH OF PILES TO BE 20 FEET.
2. GRADE BEAM REINF. SHALL BE 30 LBS. PER FT.

PRELIMINARY: NOT FOR CONSTRUCTION

DOWNTOWN PARKING DECK

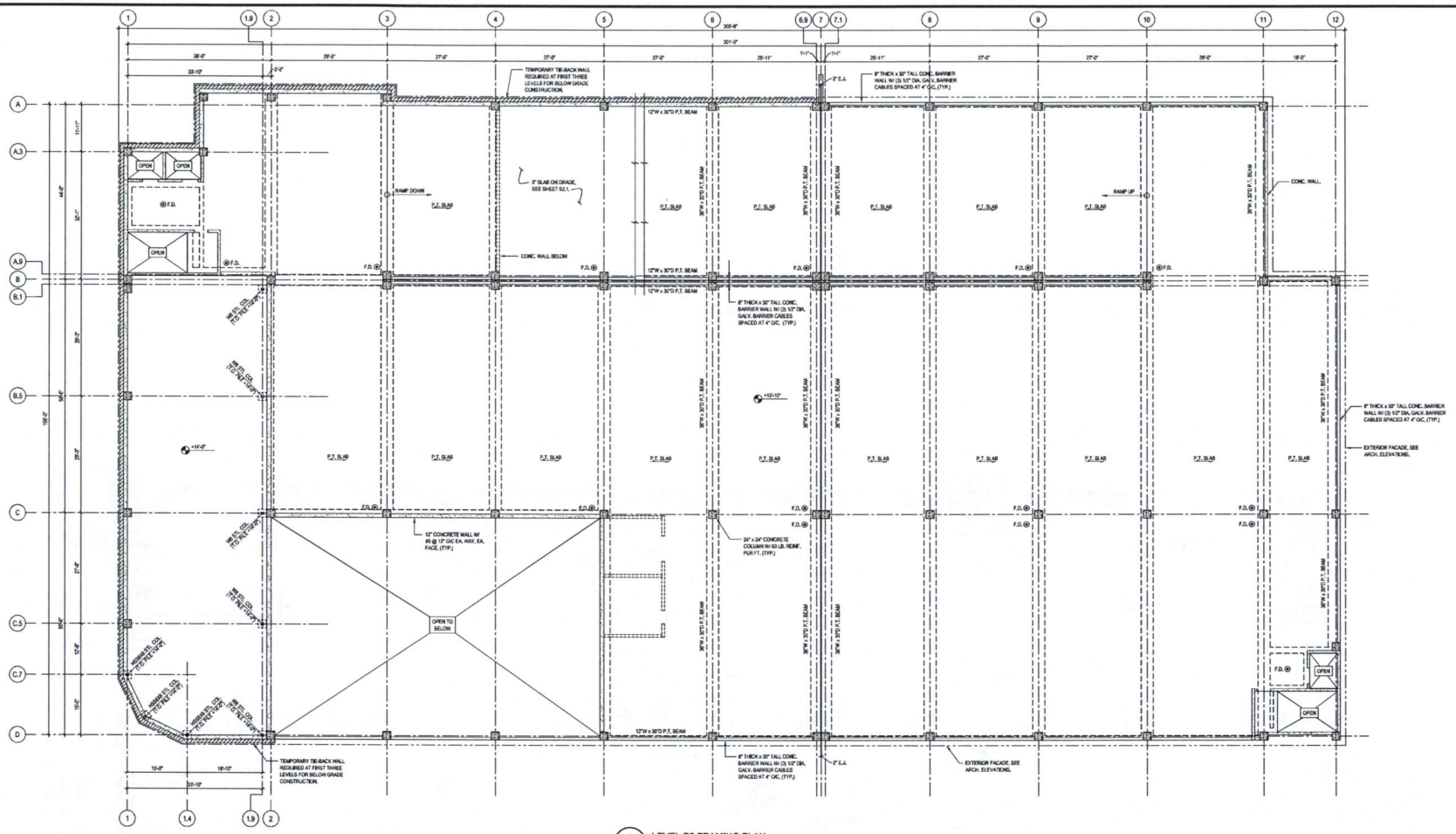
CITY OF DANVILLE

DANVILLE, VIRGINIA

LEVEL P1 FOUNDATION PLAN

Designed By:	RAM/JRM
Drawn By:	KRJ
Checked By:	RAM/JRM
Date:	07-24-2015

S2.1



1 S2.2 LEVEL P2 FRAMING PLAN

3/32" = 1'-0"

PLAN NOTES

1. P.T. BEAMS WILL BE COMPROMISED OF (25) 7/" DIA. P.T. CABLES AND 50 LBS. / FT. OF MILD REINF. (TYP.).
2. P.T. SLABS WILL BE 7" THICKNESS. P.T. SLABS WILL BE COMPROMISED OF 1 LB. OF P.T. / FT² AND 1 LB OF MILD REINF. / FT²
3. P.T. SYSTEM WILL BE FULLY ENCAPSULATED.

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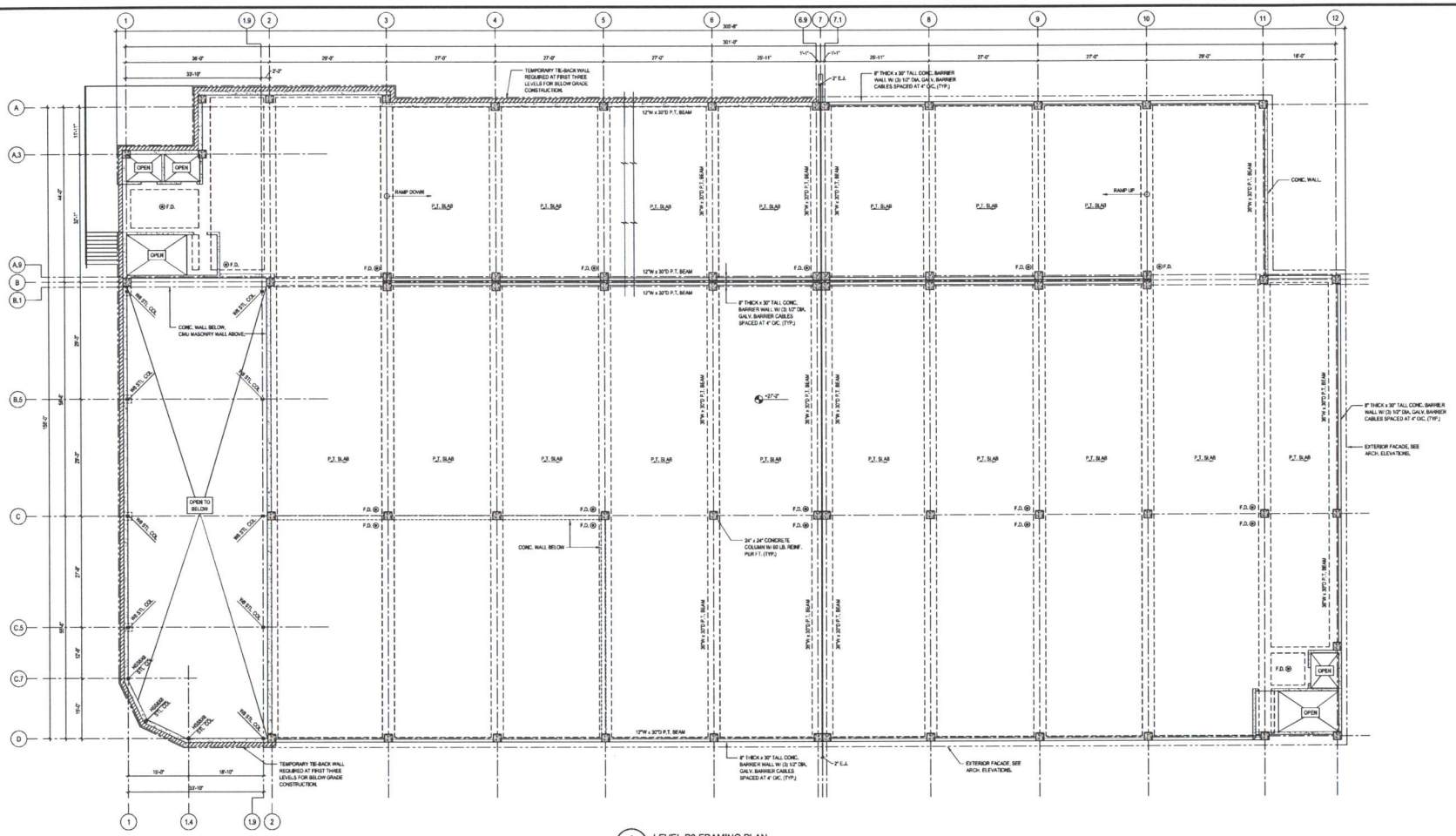
PRELIMINARY: NOT FOR CONSTRUCTION

DOWNTOWN PARKING DECK
PHASE II
CITY OF DANVILLE
DANVILLE, VIRGINIA
LEVEL P2 FRAMING PLAN

No.	Date	Revision

Designed By:	RAM/JRM
Drawn By:	RR/J
Checked By:	RAM/JRM
Date:	07-24-2015

S2.2



1 S2.3 LEVEL P3 FRAMING PLAN

3/32" = 1'-0"

PLAN NOTES

1. P.T. BEAMS WILL BE COMPROMISED OF (25) 3/4" DIA. P.T. CABLES AND 50 LBS. / FT. OF MILD REINF. (TYP.).
2. P.T. SLABS WILL BE 7" THICKNESS. P.T. SLABS WILL BE COMPROMISED OF 1 LB. OF P.T. / FT² AND 1 LB OF MILD REINF. / FT².
3. P.T. SYSTEM WILL BE FULLY ENCAPSULATED.

PRELIMINARY: NOT FOR CONSTRUCTION

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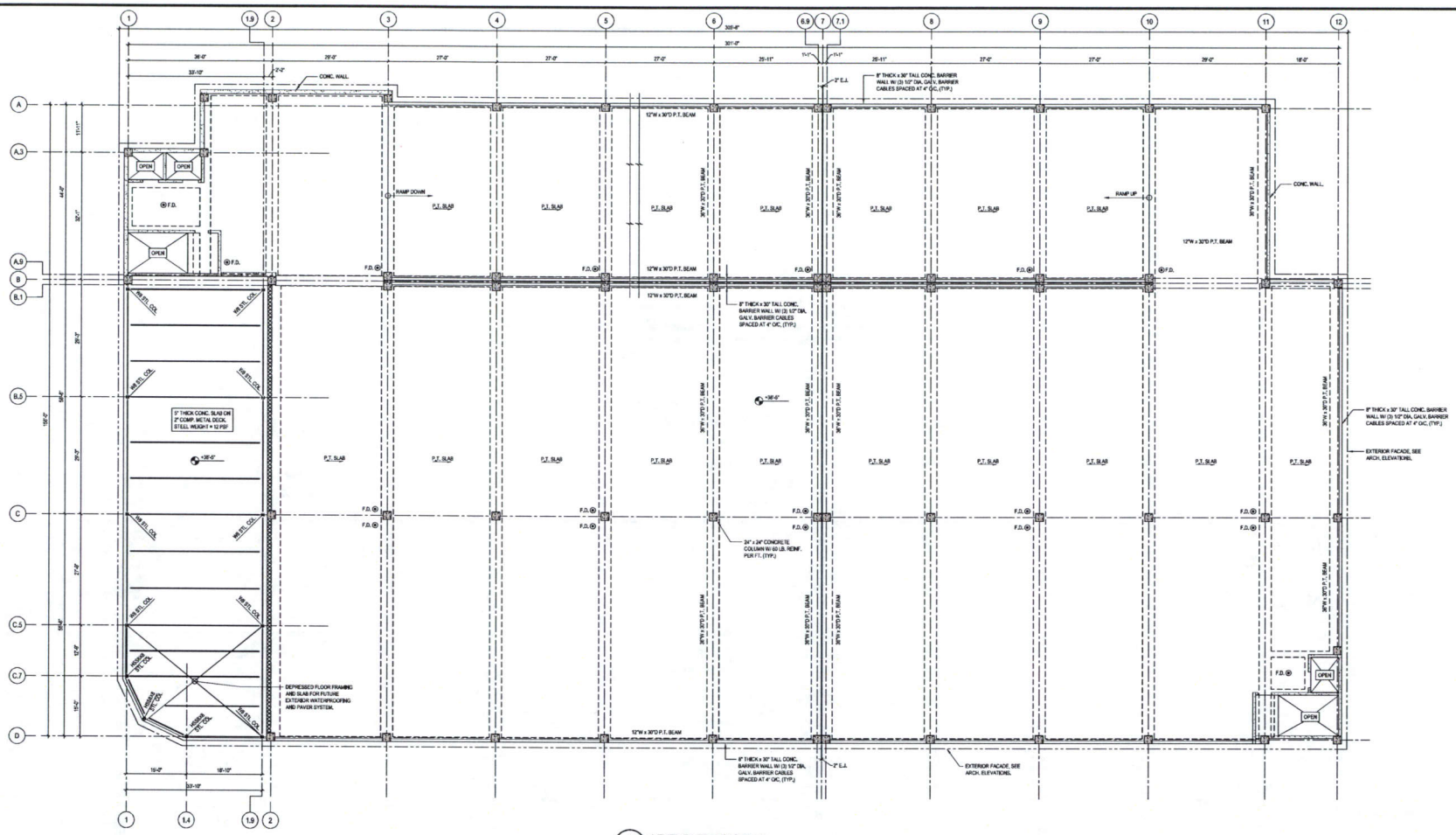
Mark	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
DANVILLE, VIRGINIA
500 MAIN STREET

LEVEL P3 FRAMING PLAN

Designed By:	RAMJRM
Drawn By:	RRJ
Checked By:	RAMJRM
Date:	07-24-2015

S2.3



1 S2.4 LEVEL P4 FRAMING PLAN

3/32" = 1'-0"

PLAN NOTES

1. P.T. BEAMS WILL BE COMPROMISED OF (25) 3/8" DIA. P.T. CABLES AND 50 LBS. / FT. OF MILD REINF. (TYP.).
2. P.T. SLABS WILL BE 7" THICKNESS. P.T. SLABS WILL BE COMPROMISED OF 1 LB. OF P.T. / FT² AND 1 LB OF MILD REINF. / FT²
3. P.T. SYSTEM WILL BE FULLY ENCAPSULATED.

PRELIMINARY: NOT FOR CONSTRUCTION

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DOWNTOWN PARKING DECK

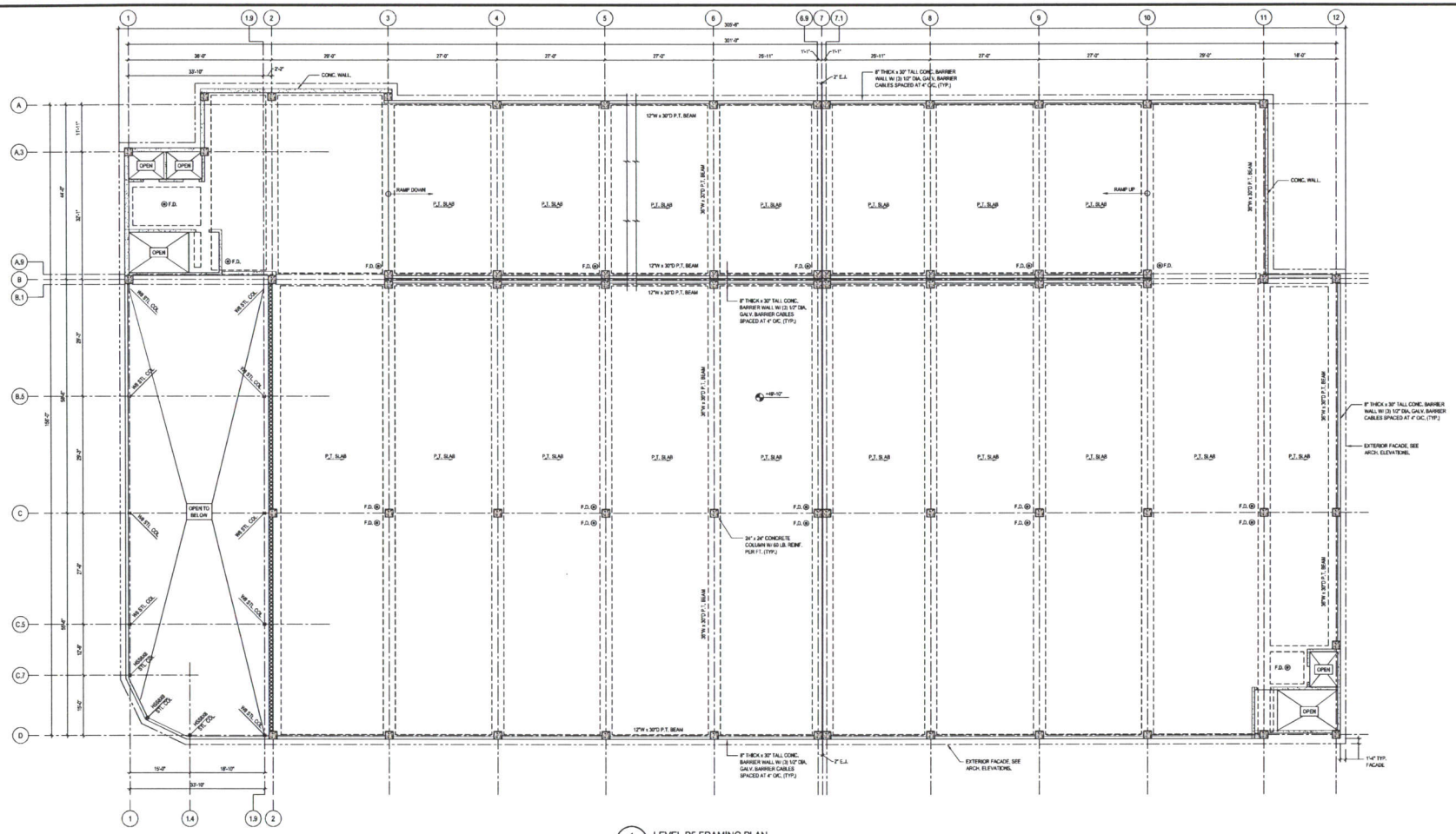
CITY OF DANVILLE

DANVILLE, VIRGINIA

LEVEL P4 FRAMING PLAN

Designed By:	RAM/JRM
Drawn By:	RRJ
Checked By:	RAM/JRM
Date:	07-24-2015

S2.4



1 S2.5 LEVEL P5 FRAMING PLAN
3/32" = 1'-0"
Drawn: 1/8/2015 6:05:02 AM

PLAN NOTES

1. P.T. BEAMS WILL BE COMPROMISED OF (25) 3/8" DIA. P.T. CABLES AND 50 LBS. / FT. OF MILD REINF. (TYP.).
2. P.T. SLABS WILL BE 7" THICKNESS. P.T. SLABS WILL BE COMPROMISED OF 1 LB. OF P.T. / FT² AND 1 LB OF MILD REINF. / FT².
3. P.T. SYSTEM WILL BE FULLY ENCAPSULATED.

PRELIMINARY: NOT FOR CONSTRUCTION

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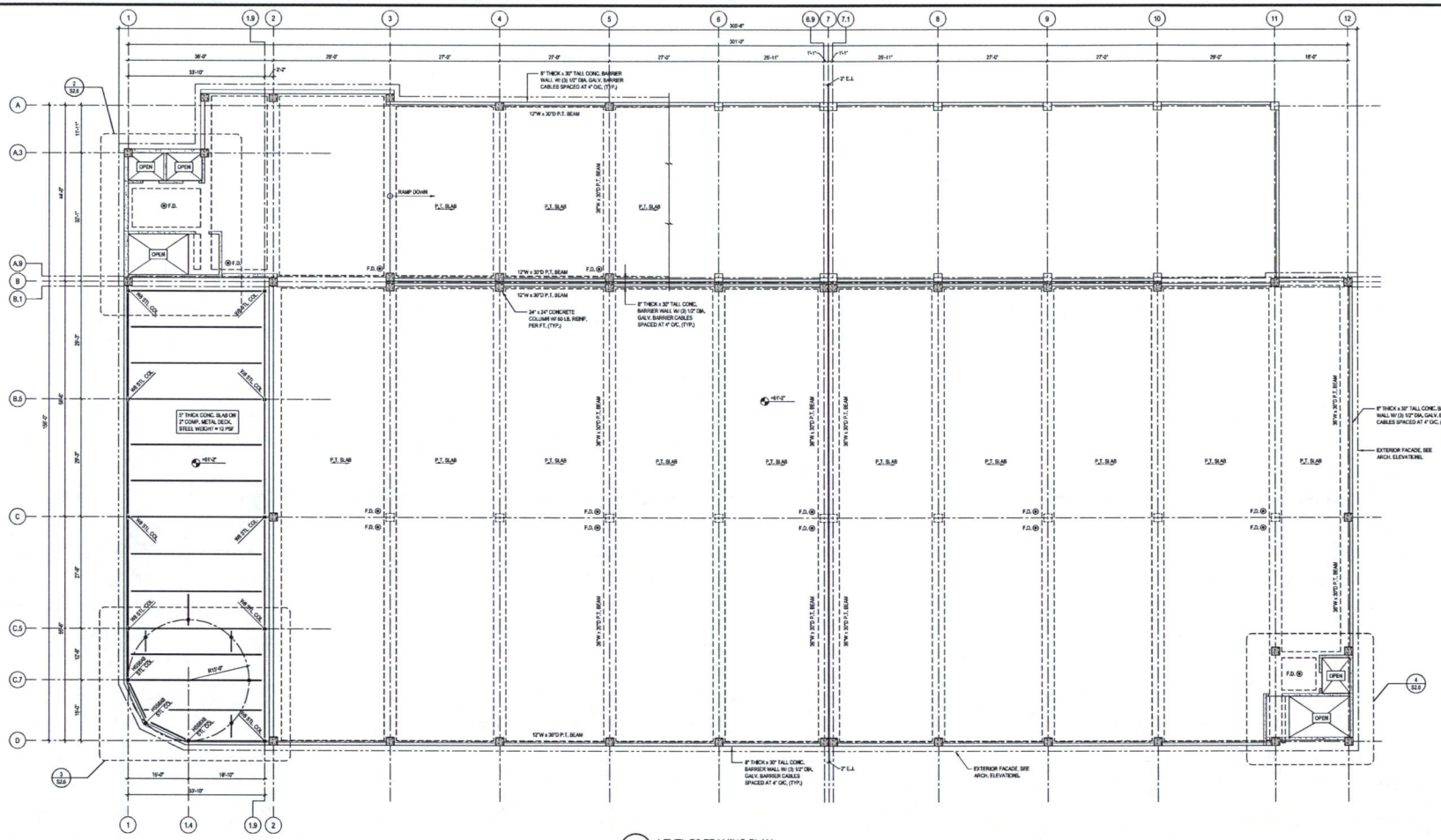
Mark	Date	Revision

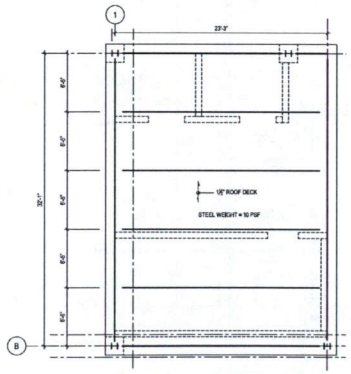
DOWNTOWN PARKING DECK
TYP. 8
CITY OF DANVILLE
DANVILLE, VIRGINIA
500 MAIN STREET
LEVEL P5 FRAMING PLAN

Designed By:	RAMURM
Drawn By:	RRJ
Checked By:	RAMURM
Date:	07-24-2015

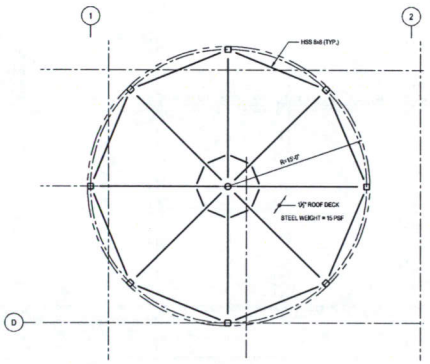
S2.5



1 S2.6 LEVEL P6 FRAMING PLAN
3/32" = 1'-0"



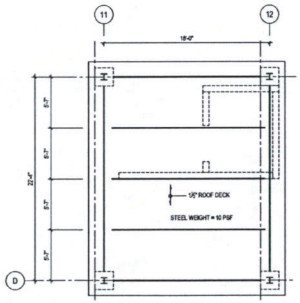
2 S2.6 PARTIAL ROOF PLAN
3/16" = 1'-0"



3 S2.6 PARTIAL ROOF PLAN
3/16" = 1'-0"

PLAN NOTES

1. P.T. BEAMS WILL BE COMPROMISED OF (25) 3/8" DIA. P.T. CABLES AND 50 LBS. / FT. OF MILD REINF. (TYP.).
2. P.T. SLABS WILL BE 7" THICKNESS. P.T. SLABS WILL BE COMPROMISED OF 1 LB. OF P.T. / FT² AND 1 LB OF MILD REINF. / FT²
3. P.T. SYSTEM WILL BE FULLY ENCAPSULATED.



4 S2.6 PARTIAL ROOF PLAN
3/16" = 1'-0"

PRELIMINARY: NOT FOR CONSTRUCTION

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Mark	Date	Revision

DOWNTOWN PARKING DECK
FOR
CITY OF DANVILLE
DANVILLE, VIRGINIA
500 MAIN STREET

LEVEL P6 FRAMING PLAN

Designed By:	RAMURM
Drawn By:	RRJ
Checked By:	RAMURM
Date:	07-24-2015

S2.6

Danville Main Street Parking Deck

CONSTRUCTION COST ESTIMATE

Item	Cost	%	Floor Area (SF)	Cost/SF	Parking Spaces	Cost/Space
Site	$ 2,849,398	14%				
Parking	$ 15,172,614	77%	241,585	$ 63	618	$ 24,551
Commercial	$ 1,782,481	9%	12,808	$ 139		
Total	$ 19,804,493	100%	254,393	$ 202	618	$ 32,046

Notes: Includes 7.5% Design Contingency
Includes Cost Escalation for March 2017 Contract Award.

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Danville Main Street Parking Deck

CONSTRUCTION BUDGET

Construction Cost

Construction Contingency

Owner Costs
- Furniture, Fixtures, Equipment
- Moving & Storage
- Temporary Owner Facilities
- Real Estate
- Management
- Promotion
- Financial
- Insurance
- Legal
- Jurisdictional (Permit) Fees
- Design, Inspection, & Testing Fees

Future: Operational & Maintenance Costs

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Danville Main Street Parking Deck

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