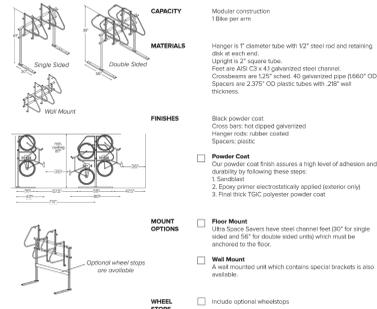


ULTRA SPACE SAVER
Submittal Sheet



CAPACITY
Modular construction
1 bike per arm

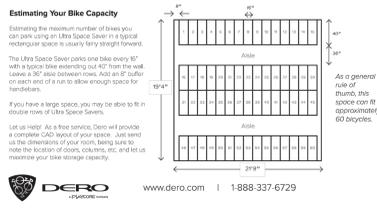
MATERIALS
Hanger: 1/2" diameter tube with 1/2" steel rod end retaining
Upright: 1/2" square tube
Post: 1/2" x 1/2" x 1/2" galvanized steel channel
Crossbeam: 1/2" x 1/2" x 1/2" galvanized steel channel
Spacers: 1/2" x 1/2" x 1/2" galvanized steel with 1/2" wall
thickness

FINISHES
Black powder coat
Cross beam: hot dipped galvanized
Hanger: with rubber coated
Spacers: plastic

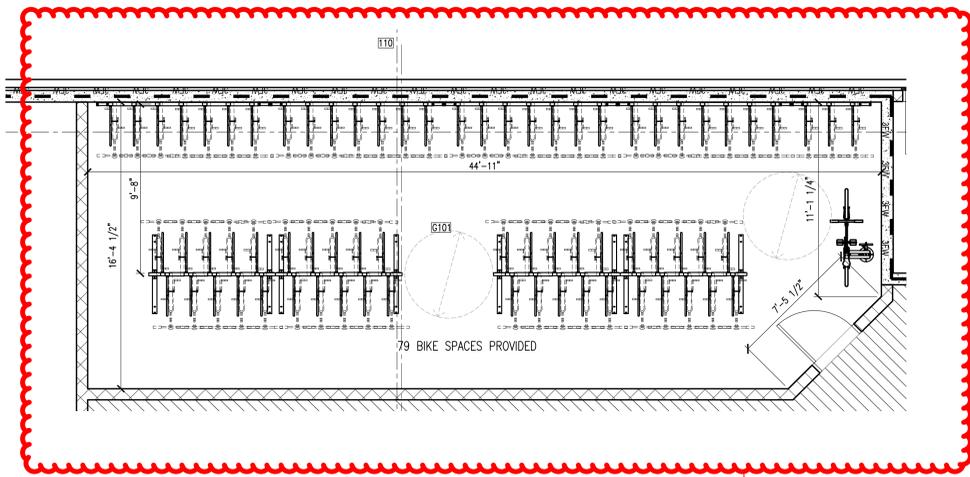
Mount Options
 Floor Mount
Our powder coat finish assures a high level of adhesion and
durability by following these steps:
1. Sandblast
2. Epoxy primer electrostatically applied (interior only)
3. Final finish 100% polyurethane powder coat

Wall Mount
A wall mounted unit which contains special brackets is also
available.

Optional wheel stops
are available.



HIGH-DENSITY BIKE RACK STORAGE SPECIFICATIONS
SCALE: 1/4" = 1'-0"



79 spaces in locked
storage

- NOTES:**
- SEE "SP" SHEETS FOR PRECAST CONCRETE GARAGE DRAWINGS
 - ALL LEVELS OF PARKING ARE OPEN. SEE CALCULATIONS
 - ALL PARKING STRIPING WILL BE WHITE. STRIPING SHALL BE WHITE FLAT PROFESSIONAL TRAFFIC MARKING PAINT SIMILAR OR EQUAL TO PRO-PARK WATERBORNE TRAFFIC MARKING PAINT BY SHERWIN WILLIAMS
 - SEE PRE-CAST CONCRETE DRAWINGS FOR PRE-CAST PANEL INFORMATION
 - ALL GUARDRAILS SHALL BE "CABLE" GUARDRAILS. EXTERIOR & INTERIOR GUARDRAILS SHALL BE DESIGNED FOR 6,000 LB VEHICLE IMPACT LOAD WHERE LOCATED 2' AND ABOVE. EXTERIOR FINISH ON PRE-CAST PANELS TO BE FACTORY FINISH (GRAY) U.N.O.
 - PROVIDE PAINT FINISH ON WALLS AND FLOORS OF ELEVATOR LOBBY (U.N.O.)
 - PROVIDE ROLL APPLIED WATER RESISTANT CONCRETE SEALER ON TOP OF DOUBLE-TEES @ TOP LEVEL OF PARKING DECK
 - SEE PRE-CAST DRAWINGS, CIVIL DRAWINGS, & PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS
 - GC SHALL BE RESPONSIBLE FOR COORDINATION AND PROPER ALIGNMENT OF FLOOR SYSTEMS BETWEEN PRE-CAST PARKING DECK AND ADJACENT WOOD FRAME CORRIDORS TO ENSURE ACCESSIBLE ROUTE BETWEEN STRUCTURES
 - ACCESSIBLE PARKING SPACES AND AISLES ARE NOT TO EXCEED A SLOPE OF 1:48 OR 2% MAX IN ANY DIRECTION PER 2009 ANSI 502.5. CONCRETE WASHES WITHIN THESE ACCESSIBLE ZONES NOT TO EXCEED 2% SLOPE
 - PROVIDE PEDESTRIAN VEHICLE INTERFACE CROSSING SIGNAGE AND CONVEX CORNER MIRRORS AT ALL BLIND CORNERS IN ORDER TO PROVIDE PEDESTRIAN SAFETY. CONFIRM ALL LOCATIONS WITH AUTHORITY HAVING JURISDICTION

- KEY NOTES:**
- CABLE GUARDRAIL. TOP @ MIN. 42" A.F.F. HORIZONTAL STEEL CABLES @ 4" O.C. W/ 6,000 LBS PER VEHICLE LOAD. SEE DETAIL 4/A13.91
 - CABLE GUARDRAIL WITH POST ATTACHED TO TOP OF SLAB/BEAM. TOP @ MIN. 42" A.F.F. HORIZONTAL STEEL CABLES @ 4" O.C. W/ 6,000 LBS PER VEHICLE LOAD. SEE DETAIL 1/A13.91
 - CABLE GUARDRAIL WITH STANDARDS/POSTS MOUNTED TO SIDE OF DOUBLE-TEES @ 10'-0" MAX SPACING. TOP @ MIN. 42" A.F.F. HORIZONTAL STEEL CABLES @ 4" O.C. W/ 6,000 LBS PER VEHICLE LOAD. SEE DETAIL 4/A13.91
 - HANDICAP ACCESSIBLE PARKING SPACE. TYPICAL SIGNAGE REQUIRED. SEE DETAIL 8/A13.91
 - WASH SLOPED TOWARDS FLOOR DRAINS - SEE PLUMBING DRAWINGS FOR DETAILS
 - 4" DIA STEEL BOLLARD. RE: DETAIL 9 & 15/A13.91
 - PRECAST CONCRETE WEELSTOP. SEE DETAIL 14/A13.91
 - HEADACHE BARS ABOVE
 - VEHICLE GATE WITH CARD READER
 - BIKE RACK
 - C.I.P. CONCRETE RETAINING WALL BELOW. RE: STRUCTURAL DRAWINGS
 - ACCESS CONTROL ON DOOR
 - CANOPY ABOVE
 - LIGHTPOLE LOCATION
 - VINYL COATED CHAINLINK FENC ALONG PRECAST PARKING DECK INTERIOR WALL TO PROHIBIT ACCESS TO SPACE BELOW

RATED WALL LEGEND:

[Symbol]	1 HR RATED BEARING WALL (PER UL L356 @ EXTERIOR WALL & UL L305 @ INTERIOR)
[Symbol]	2 HR RATED BEARING WALL (PER UL L371 @ EXTERIOR WALL & UL301 @ INTERIOR)
[Symbol]	1 HR FIRE PARTITION (PER UL L341 @ TENANT SEPARATION WALL)
[Symbol]	1 HR FIRE BARRIER (PER UL L305)
[Symbol]	2 HR FIRE BARRIER (PER UL L301)
[Symbol]	2 HR FIRE BARRIER (PER UL L905)
[Symbol]	2 HR FIRE WALL (PER UL L347)
[Symbol]	3 HR RATED FIRE WALL

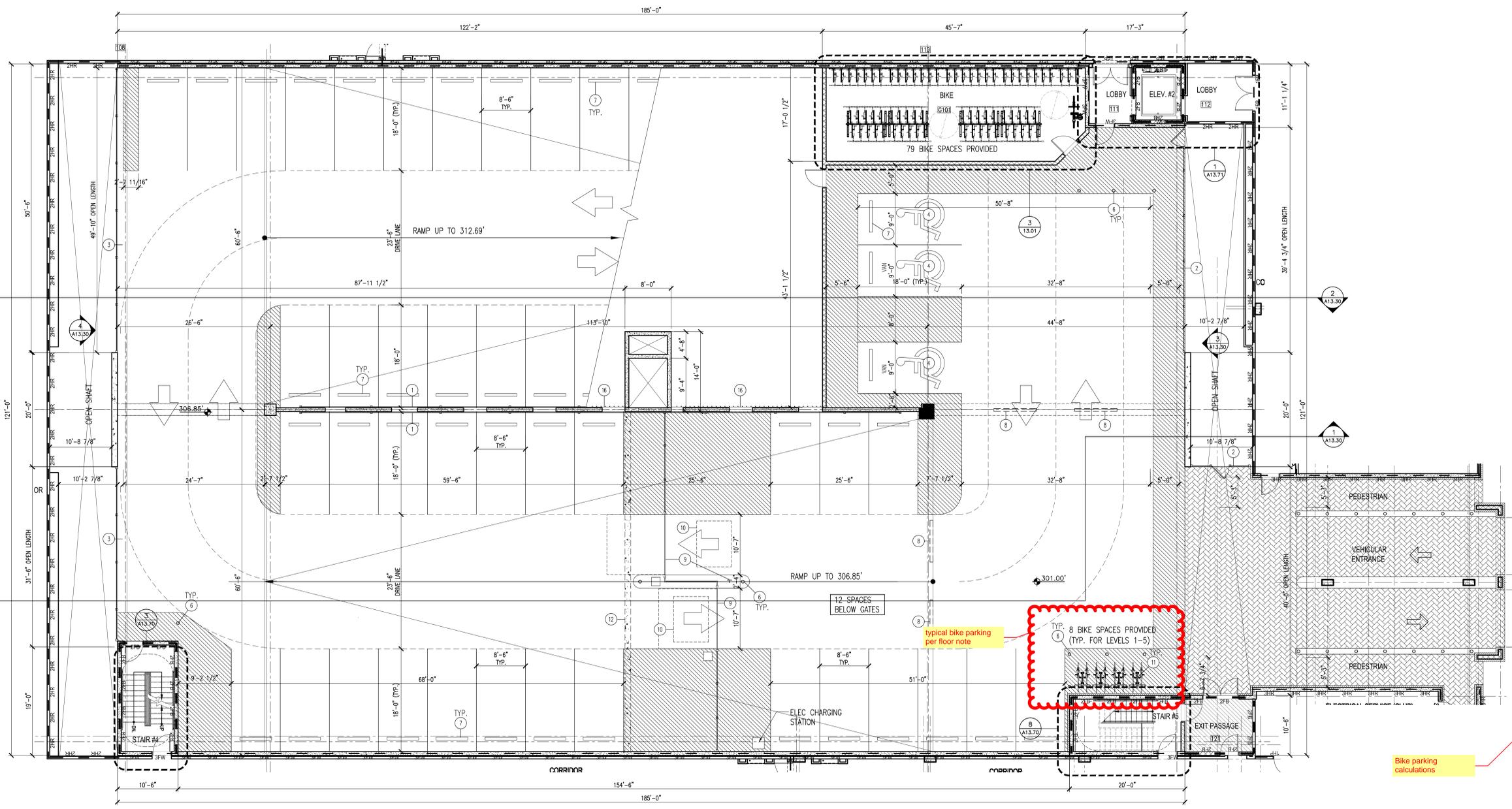
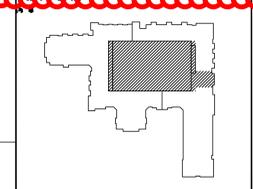
PARKING SPACE COUNT

LEVEL 1	55	INCLUDES 1 ACCESSIBLE SPACE, & 2 VAN ACCESSIBLE SPACES
LEVEL 2	70	INCLUDES 2 ACCESSIBLE SPACES
LEVEL 3	70	INCLUDES 2 ACCESSIBLE SPACES
LEVEL 4	70	INCLUDES 2 ACCESSIBLE SPACES
LEVEL 5	70	INCLUDES 2 ACCESSIBLE SPACES
LEVEL 6	13	INCLUDES 1 ACCESSIBLE SPACE
TOTAL	348	INCLUDES 10 ACCESSIBLE SPACES, & 2 VAN ACCESSIBLE SPACES (12 TOTAL)

LONG-TERM BICYCLE PARKING

LEVEL 1	79	71 SPACES IN BIKE STORAGE ROOM
LEVEL 2	8	
LEVEL 3	8	
LEVEL 4	8	
LEVEL 5	8	
LEVEL 6	0	
TOTAL	111	

1. 328 TOTAL UNITS ON SITE (2 = 164 BIKE SPACE RECD
2. 164 (80%) = 132 LONG-TERM BIKE SPACES RECD
3. 36 ADD'L LONG-TERM BIKE SPACES ARE PROVIDED IN BUILDING 2, PROVIDING A TOTAL OF 147 LONG-TERM BIKE SPACES FOR THE SITE.



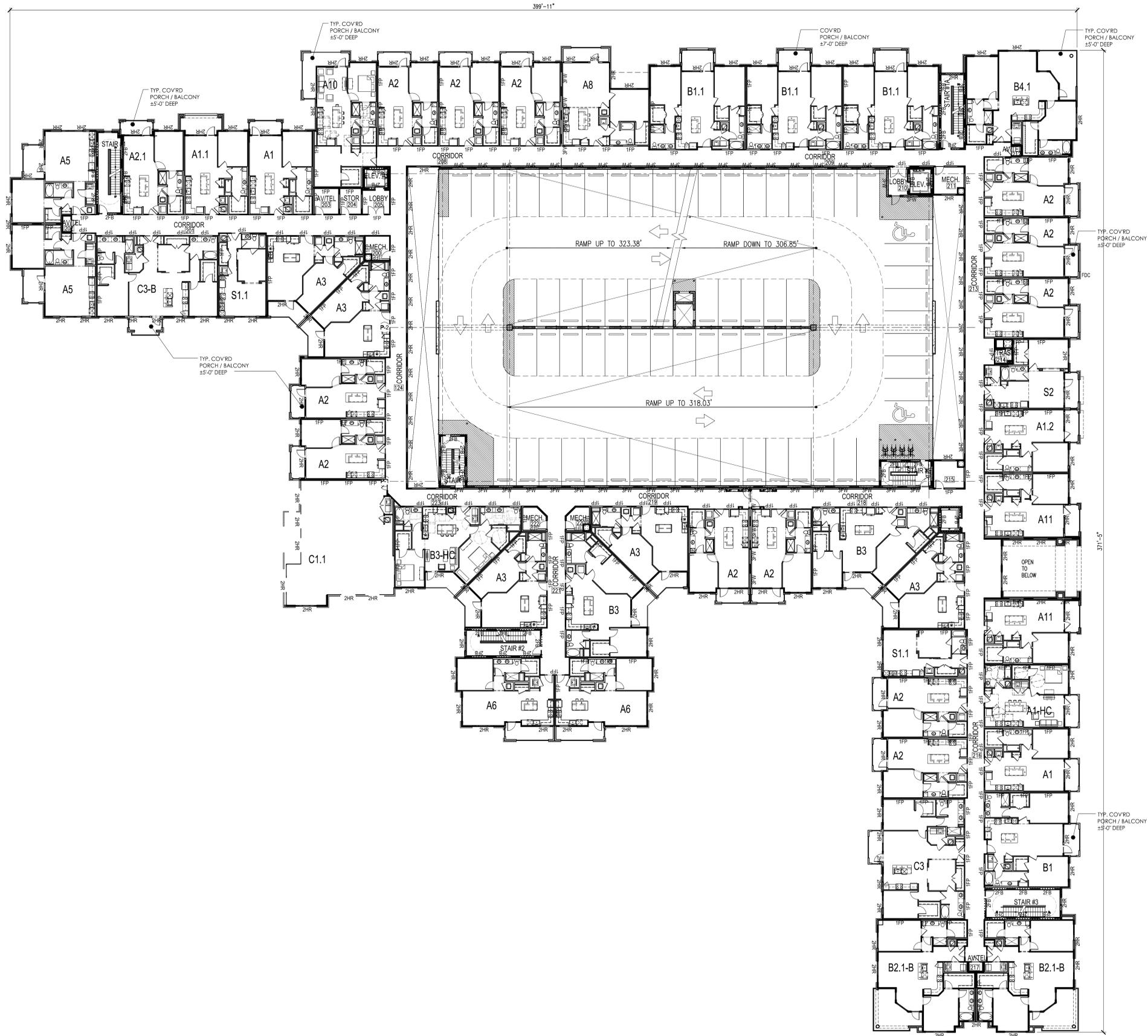
PARKING DECK - LEVEL 01
SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY



PROJECT:	16025	DATE:	
ISSUE:	SCHEMATIC DESIGN	T.B.D.	
DESIGN DEVELOPMENT	02.20.17		
DECK/FTN PERMIT SET	04.21.17		
50% CD SET	05.17.17		
PERMIT SET			
DRAWN BY:			
CHECKED BY:			
CONTENT:	PARKING DECK PLAN		
	LEVEL 01		

5/23/2017 6:02 AM \\pva01\16025_Hillstone_Building1\Output\TDP_Submittal 05-31-17\GA2.02.dwg



BUILDING 1 PLAN - LEVEL 2
SCALE: 1/16" = 1'-0"

1

NOTES:

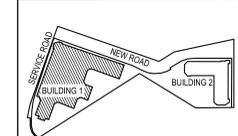
RATED WALL LEGEND:

- 1 HR RATED BEARING WALL (PER UL U308 @ EXTERIOR WALL & UL U305 @ INTERIOR)
- 2 HR RATED BEARING WALL (PER UL U371 @ EXTERIOR WALL & U301 @ INTERIOR)
- 1 HR FIRE PARTITION (PER UL U341 @ TENANT SEPARATION WALL)
- 1 HR FIRE BARRIER (PER UL U305)
- 2 HR FIRE BARRIER (PER UL U301)
- 2 HR FIRE BARRIER (PER UL U305)
- 2 HR FIRE WALL (PER UL U347)
- 3 HR RATED FIRE WALL

ROOM DESIGNATIONS:

- S STORAGE
- M MECHANICAL
- E ELECTRICAL
- R RESTROOM
- V VENDING

KEY PLAN



©2017 JDAVIS ARCHITECTS EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESSED WRITTEN PERMISSION AND CONSENT OF JDAVIS ARCHITECTS, PLLC.



510 South Wilmington St. | Raleigh, NC 27601 | Tel 919.835.1500
1518 Walnut St. Suite 1303 | Philadelphia, PA 19102 | Tel 215.545.0121



Leon Capital Group
Hillstone - Building 1
Chapel Hill, North Carolina

FOR REFERENCE ONLY

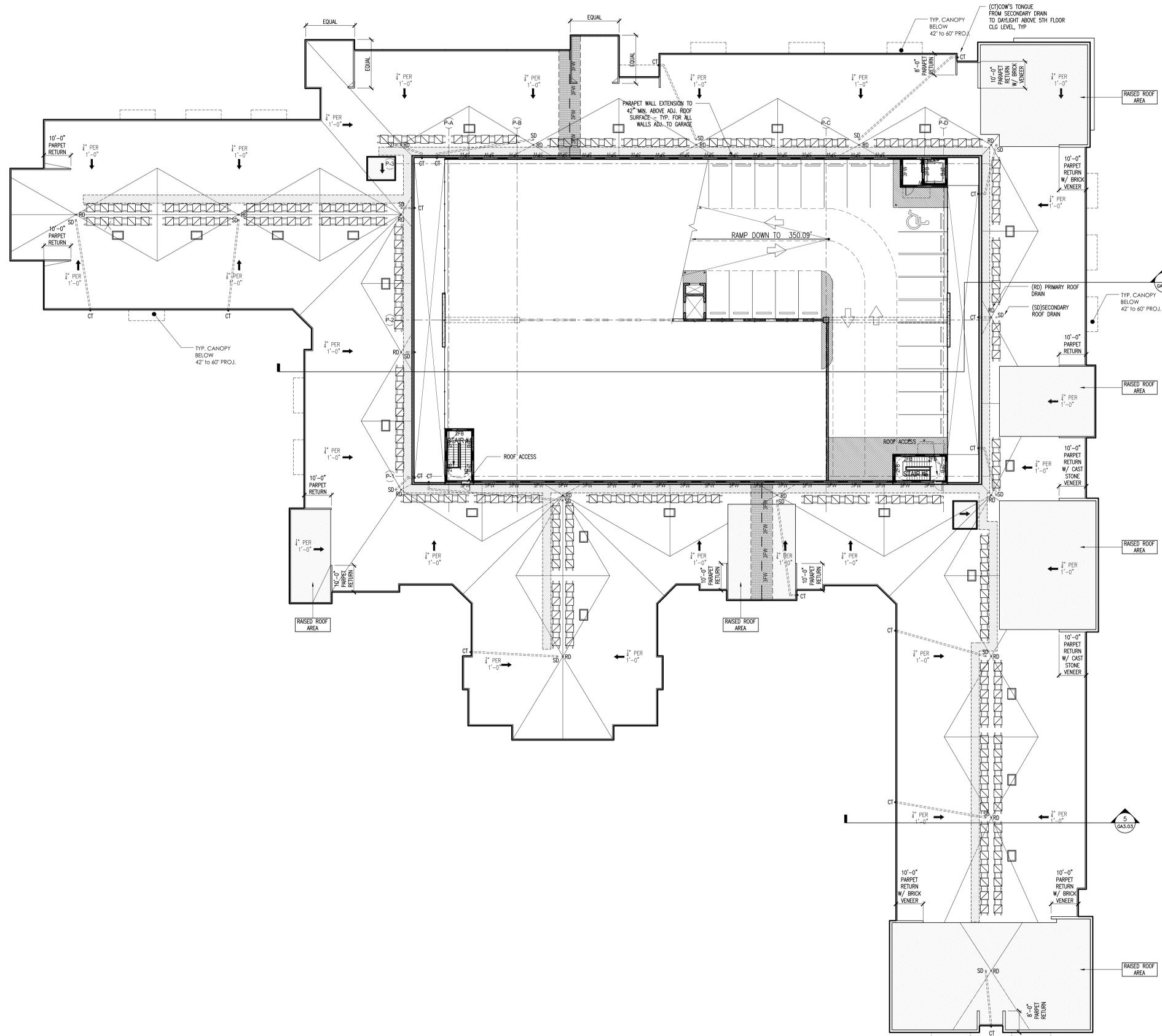


PROJECT:	16025	DATE:
ISSUE:	SCHEMATIC DESIGN	
FDP SUBMITTAL:	T.B.D.	
DESIGN DEVELOPMENT:	02.20.17	
DECK-FTN PERMIT SET:	04.21.17	
50% CD SET:	05.17.17	
REVISIONS:	PERMIT SET	

DRAWN BY: _____
CHECKED BY: _____
CONTENT: BUILDING 1
BUILDING PLAN - LEVEL 2

GA2.02

5/23/2017 6:15 AM \\p001\16025_Hillstone_Building\TDP_Submittal_05-31-17\042.06.dwg



ROOF PLAN
SCALE: 1/16" = 1'-0"

©2017 JDAVIS ARCHITECTS EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESSED WRITTEN PERMISSION AND CONSENT OF JDAVIS ARCHITECTS, PLLC

GA2.06

FOR
REFERENCE
ONLY

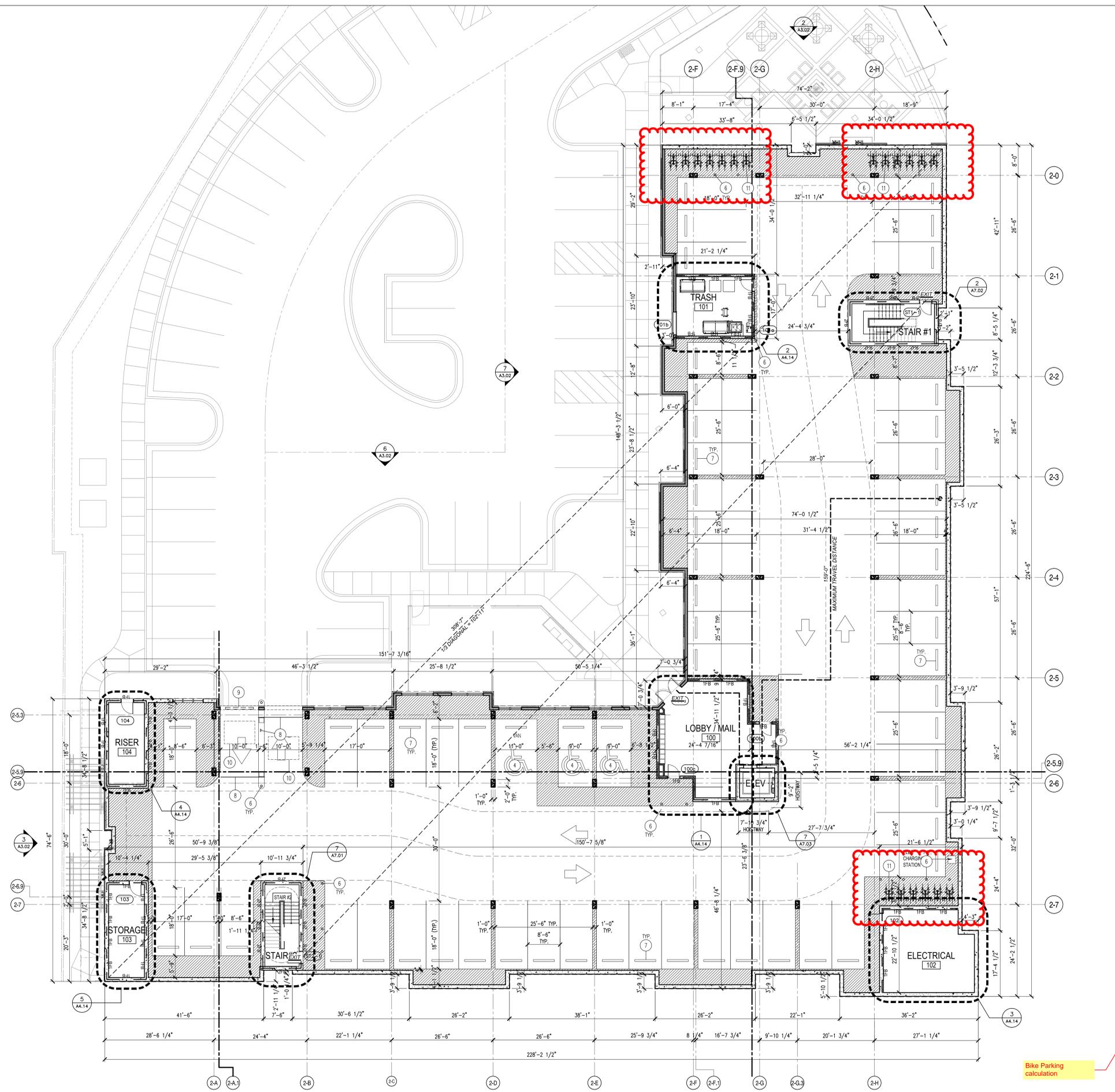


PROJECT:	16025	DATE:
ISSUE:	SCHEMATIC DESIGN	
FDP SUBMITTAL:	T.B.D.	
DESIGN DEVELOPMENT:	02.20.17	
DECK-FTN PERMIT SET:	04.21.17	
50% CD SET:	05.17.17	
REVISIONS:	PERMIT SET	
DRAWN BY:		
CHECKED BY:		
CONTENT:	BUILDING 1	
	BUILDING PLAN - ROOF	

Leon Capital Group
Hillstone - Building 1
Chapel Hill, North Carolina



JDAVIS
510 South Wilmington St. | Raleigh, NC 27601 | Tel 919.835.1500
1518 Walnut St. Suite 1309 | Philadelphia, PA 19102 | Tel 215.545.0121



- NOTES:**
1. SEE 3/16 SHEETS FOR PRECAST CONCRETE GARAGE DRAWINGS.
 2. ALL LEVELS OF PARKING ARE OPEN. SEE CALCULATIONS.
 3. ALL PARKING STRIPING WILL BE WHITE. STRIPING SHALL BE WHITE FLAT PROFESSIONAL TRAFFIC MARKING PAINT SIMILAR OR EQUAL TO PRO-PARK WATERBORNE TRAFFIC MARKING PAINT BY SHERWIN-WILLIAMS.
 4. SEE PRE-CAST CONCRETE DRAWINGS FOR PRE-CAST PANEL INFORMATION.
 5. ALL GUARDRAILS SHALL BE "CABLE" GUARDRAILS. EXTERIOR & INTERIOR GUARDRAILS SHALL BE DESIGNED FOR 6,000 LB VEHICLE IMPACT LOAD WHERE LOCATED 2' AND ABOVE.
 6. EXTERIOR FINISH ON PRE-CAST PANELS TO BE FACTORY FINISH (GRAY) U.N.O.
 7. PROVIDE PAINT FINISH ON WALLS AND FLOORS OF ELEVATOR LOBBY (U.N.O.).
 8. PROVIDE ROLL APPLIED WATER RESISTANT CONCRETE SEALER ON TOP OF DOUBLE-TEES @ TOP LEVEL OF PARKING DECK.
 9. SEE PRE-CAST DRAWINGS, CIVIL DRAWINGS, & PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
 10. GC SHALL BE RESPONSIBLE FOR COORDINATION AND PROPER ALIGNMENT OF FLOOR SYSTEMS BETWEEN PRE-CAST PARKING DECK AND ADJACENT WOOD FRAME CORRIDORS TO ENSURE ACCESSIBLE ROUTE BETWEEN STRUCTURES.
 11. ACCESSIBLE PARKING SPACES AND AISLES ARE NOT TO EXCEED A SLOPE OF 1:48 OR 2% MAX IN ANY DIRECTION PER 2009 ANSI 502.5. CONCRETE WASHES WITHIN THESE ACCESSIBLE ZONES NOT TO EXCEED 2% SLOPE.
 12. PROVIDE PEDESTRIAN VEHICLE INTERFACE CROSSING SIGNAGE AND CONVEX CORNER MIRRORS AT ALL BLIND CORNERS IN ORDER TO PROVIDE PEDESTRIAN SAFETY. CONFIRM ALL LOCATIONS WITH AUTHORITY HAVING JURISDICTION.

- KEY NOTES:**
1. CABLE GUARDRAIL TOP @ MIN. 42" A.F.F. HORIZONTAL STEEL CABLES @ 4" O.C. W/ 6,000 LBS PER VEHICLE LOAD. SEE DETAIL 4/A13.91
 2. CABLE GUARDRAIL WITH POST ATTACHED TO TOP OF SLAB/BEAM TOP @ MIN. 42" A.F.F. HORIZONTAL STEEL CABLES @ 4" O.C. W/ 6,000 LBS PER VEHICLE LOAD. SEE DETAIL 1/A13.91
 3. CABLE GUARDRAIL WITH STANDARDS/POSTS MOUNTED TO SIDE OF DOUBLE-TEES @ 10'-0" MAX SPACING TOP @ MIN. 42" A.F.F. HORIZONTAL STEEL CABLES @ 4" O.C. W/ 6,000 LBS PER VEHICLE LOAD. SEE DETAIL 4/A13.91
 4. HANDICAP ACCESSIBLE PARKING SPACE. TYPICAL SIGNAGE REQUIRED. SEE DETAIL 8/A13.91
 5. WASH SLOPED TOWARDS FLOOR DRAINS. SEE PLUMBING DRAWINGS FOR DETAILS
 6. 4" DIA STEEL BOLLARD. RE: DETAIL 9 & 15/A13.91
 7. PRECAST CONCRETE WHEELSTOP. SEE DETAIL 14/A13.91
 8. HEADACHE BARS ABOVE
 9. VEHICLE GATE WITH CARD READER
 10. VEHICLE DETECTION LOOP
 11. BIKE RACK
 12. C.I.P. CONCRETE RETAINING WALL BELOW. RE: STRUCTURAL DRAWINGS
 13. ACCESS CONTROL ON DOOR
 14. CANOPY ABOVE
 15. LIGHTPOLE LOCATION
 16. VINYL COATED CHAINLINK FENC. ALONG PRECAST PARKING DECK INTERIOR WALL TO PROHIBIT ACCESS TO SPACE BELOW

RATED WALL LEGEND:

[Symbol]	1 HR RATED BEARING WALL (PER UL U556 @ EXTERIOR WALL & UL U305 @ INTERIOR)
[Symbol]	2 HR RATED BEARING WALL (PER UL U371 @ EXTERIOR WALL & UL U301 @ INTERIOR)
[Symbol]	1 HR FIRE PARTITION (PER UL U341 @ TENANT SEPARATION WALL)
[Symbol]	1 HR FIRE BARRIER (PER UL U305)
[Symbol]	2 HR FIRE BARRIER (PER UL U301)
[Symbol]	2 HR FIRE BARRIER (PER UL U305)
[Symbol]	2 HR FIRE WALL (PER UL U347)
[Symbol]	3 HR RATED FIRE WALL

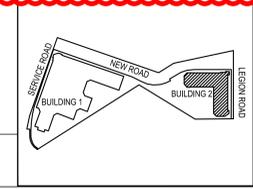
PARKING SPACE COUNT

LEVEL 1	60	INCLUDES 1 ACCESSIBLE SPACE, & 2 VAN ACCESSIBLE SPACES
LEVEL 2		
LEVEL 3		
LEVEL 4		
LEVEL 5		
LEVEL 6		
TOTAL	60	INCLUDES 2 ACCESSIBLE SPACES, & 1 VAN ACCESSIBLE SPACES (TOTAL)

LONG-TERM BICYCLE PARKING

LEVEL 1	36	
LEVEL 2		
LEVEL 3		
LEVEL 4		
LEVEL 5		
LEVEL 6		
TOTAL	36	

1. 328 TOTAL UNITS ON SITE / 2 = 164 BIKE SPACE REQ'D
 2. 164 (80%) = 132 LONG-TERM BIKE SPACES REQ'D
 3. 11 ADULT LONG-TERM BIKE SPACE ARE PROVIDED IN BUILDING 1, PROVIDING A TOTAL OF 147 LONG-TERM BIKE SPACES FOR THE SITE.



BUILDING 2 - LEVEL 1 GARAGE PLAN
SCALE: 3/32" = 1'-0"

FOR REFERENCE ONLY



PROJECT:	16025	DATE:	
ISSUE:	SCHEMATIC DESIGN		
FDP SUBMITTAL		T.B.D.	
DESIGN DEVELOPMENT		02.20.17	
DECK-FTN PERMIT SET		04.21.17	
50% CD SET		05.17.17	
PERMIT SET			

DRAWN BY:
CHECKED BY:
CONTENT: BUILDING 2
BUILDING PLAN - LEVEL 1