TAC Workshop Narrative

RE: Small Residential Parking Garage for the Historic Ben Franklin Block

Date: 6.11.19

This package for TAC contains Site, Garage, and 1st floor plans for a small residential parking garage to be located in the existing basement level of the Historic Ben Franklin Block Building. A summary and explanatory write-up by Walker Parking Consultants is also included.

In order to work within the existing historic structure and its driveway, in May of 2018 the BOA granted a variance for both a 12' driveway, and, a 12' maneuvering lane. A design with a simple garage circulation loop and gate controlled driveway is implemented. This plan is the result of years of layout and engineering work, as well as many design iterations done in conjunction with Walker Parking Consultants. Walker Parking Consultants has provided a summary letter that is included in this package.

The driveway is gate controlled at the Fleet Street entrance to the site's driveway. At the end of the existing driveway, a garage door opens to a ramp to the basement Garage. The ramp descends approximately 6'-10" to circulation loop which goes around the basement garage. All parking spaces are accessed off of the circulation loop. At the end of the circulation loop (which is at the base of the garage ramp), a signal light is used to control cars leaving the garage.

Almost all spaces are simply accessed by strait in or angled entry. A few spaces back in, and a few require multipoint turns. Tandem spaces are provided for larger sized residential units, along with courtesy "short term car jockeying spaces".

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A simple fresh air system has been designed with a fan in the rear of the garage and motorized damper air inlets on the Fleet Street and Vaughn Mall sides of the building. The garage door will be used where it simplifies/improves the design and reduces energy consumption. The inlets are covered by historic decorative grills approximately 1' x 4' and placed a couple feet above sidewalk level, as is shown on

the garage plan. At least four air quality set points will be used to control air quality and well as safety.

A battery back-up system using Tesla, Pika Energy, or equivalent system will be used to maintain garage operation during power failures. Currently we are planning to back up the controls, gate, garage door, fresh air system, and lights.

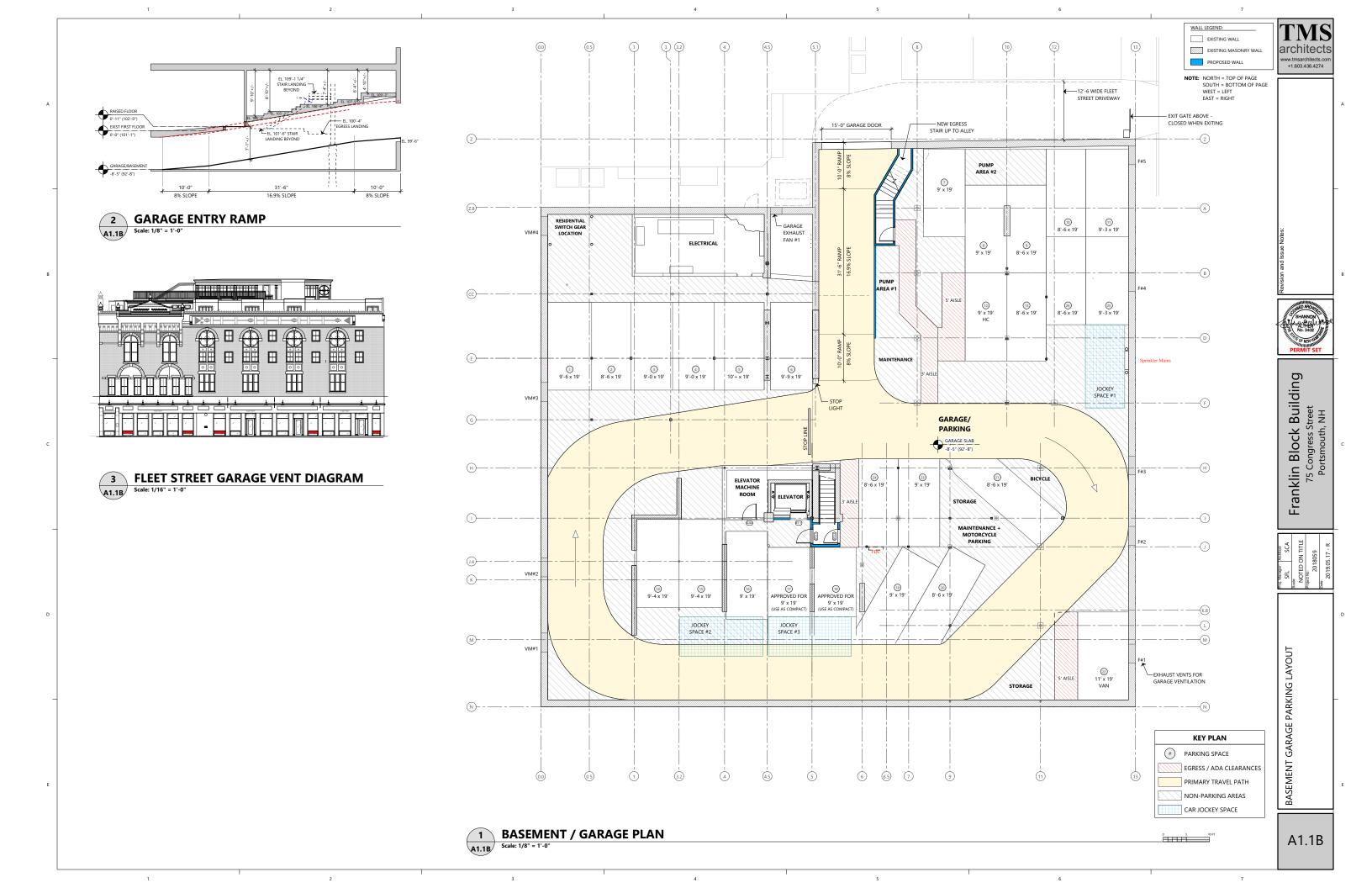
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There are two means of egress, as well as the likely use of the garage door as a third means of egress.

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After several design iterations, WPC has concluded that the final design of the Parking Layout, Access Ramp, and Two-Way use of the Existing Driveway is a workable configuation; suitable for a Private Residential Garage.



20 Park Plaza, Suite 1202 Boston, MA 02116

617.350.5040 walkerconsultants.com

May 10, 2019

Michael De La Cruz Ben Franklin Block Building 75 Congress Street Suite 306 Portsmouth, NH 03801

Re: Ben Franklin Block Building Parking Review Summary Portsmouth, NH

Dear Michael:

The following letter is intended to summarize the design review performed by Walker Consultants for the Ben Franklin Block Building.

Walker Consultants was retained by Michael De La Cruz to review the proposed parking design providing approximately 26 parking spaces in the basement of the existing Ben Franklin Block Building in Portsmouth, New Hampshire. This parking facility is provided to support the residential redevelopment of this building; parking will be used by the residences of the building. Walker understands that the spaces will be assigned to individual unit owners / renters; it is anticipated that the tandem parking spaces shown will be sold / leased to the same tenant. Walker has also been retained to provide general guidance on the parking technology necessary for operating a two-way access ramp to the parking area that is only of sufficient width to accommodate a single lane of traffic.

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The proposed parking area has gone through several iterations of design. Walker has been involved during the design process to review the parking configuration and perform a computer-aided design turning analysis (AutoTurn) on the vehicular travel lane and each parking space. Recommendations were made for improvements to the parking configuration via memoranda with sketches and discussions. From this process the following was determined:

- The turning analysis demonstrates that a design vehicle (85th percentile of passenger vehicles, currently a Buick Enclave) can safely maneuver through the parking field via the one-way drive lane.
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 - o Some of the spaces require multiple-point turning maneuvers and/or specific paths to approach / egress the parking space. The geometrics and available space for the vehicular movements are relatively tight, however the analysis demonstrates that all of the spaces can be accessed.
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Michael De La Cruz May 10, 2019 Page 2

- Walker has provided sketches demonstrating the turning movements which can be provided to each parking space owner to understand the turning movements; however, it is also anticipated that the user will "learn" their space based on their specific vehicle's size and turning capabilities.
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 - Walker's approach is to first run a design vehicle representing the 85th percentile of passenger vehicles which includes light trucks. If that vehicle cannot access the space or imposes on the vehicular travel lane, smaller vehicles are modeled: a design car (representing the 85th percentile of cars, currently a Volvo S80) followed by a design small car (similar to a compact car, currently a Honda Civic).
 - Walker has identified for the client which spaces have size limitations.
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- It should be noted that AutoTurn analyses are often conservative, however are a computer-based and therefore do not take into account user error and similar conditions; field tests can demonstrate better performance than the analysis. Walker understands that the client has developed a mock-up of the parking facility in a parking lot and has been able to demonstrate vehicular access to each space with 17' and 18' light duty trucks. Please note that Walker has not been involved with the field testing and therefore cannot provide additional comment on how this field tests related to the computer analysis other than the spaces were all able to be accessed.

PARKING RAMP ACCESS TECHNOLOGY

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- 2. Red/green indicator lights will be provided at the bottom of the ramp and on the building adjacent to the access gate.
 - a. The indicator light at the bottom of the ramp will be red unless a user activates their transponder to exit the ramp and there is no other user entering the ramp.
 - b. The indicator at street level will remain green at all times unless a user is currently using the ramp to exit the system.
- 3. For residents entering the garage from the street
 - a. The users will have a "clicker" transponder similar to an overhead door transponder and/or automated vehicle identification (AVI) technology for the purposes of system activation (specific

Ben Franklin Block Buidings 75 Congress Street Portsmouth, NH Walker Parking Consultants

One Cubit LLC
75 Congress Street

Portsmouth, NH

TAC Review



Michael De La Cruz May 10, 2019 Page 3

system will be determined later in design). The user will activate the transponder when close to the facility and the red / green indicator light mounted to the building will indicate whether the ramp is available (green) or if a vehicle is currently using the ramp / exiting (red).

- b. If the ramp is available, the light on the street level will remain green, the gate adjacent to the street will open, the overhead door at the building will open, and the light at the bottom of the ramp will remain red. The user will enter the access alley and the gate will close.
- c. If the ramp is not available, meaning it is being utilized in the exiting direction, the exterior red / green light will be red, the gate will remain closed, and the vehicle at grade will need to remain outside of the gate until the exiting vehicle exits onto Fleet St. In the event that the wait is longer than a few seconds, users will circulate the block to prevent a queue in the street.
- d. If another user approaches along Fleet St. while the first user is entering the facility, they will activate their transponder and the intent of the system is to allow that second user to enter the facility before an exiting vehicle is permitted on the ramp. The system functionality will be the same as identified above, however a user stopped on the lower level will have to remain in the level below until both vehicles have cleared the ramp.
- 4. For residents exiting the garage from the lower level
 - a. The users will active the transponder. The red / green indicator light at the bottom of the ramp will indicate whether the ramp is available (green) or if a vehicle is using the ramp / entering (red).
 - b. If the ramp is available, the light at the bottom of the ramp will turn green, the gate adjacent to the street will remain closed, and the overhead door at the face of the building will open. The vehicle will travel up the ramp to the street and the gate at the top of the ramp will remain closed until the vehicle is immediately adjacent to the gate to exit onto Fleet St. The driver will stop and use mirrors mounted on the buildings to look down the sidewalks in both directions before proceeding. The car will exit after the stop when it is established to be safe to proceed.
 - c. If the ramp is not available, meaning it is being utilized in the entering direction, the interior red / green light will remain red and the vehicle will need to remain stopped just before entering the ramp until the vehicle from the street level is down the ramp and into the parking loop.
- 5. It should be noted that the occurrences of conflicting traffic on the ramp should be minimal. The parking supply is only 26 parking spaces and maximum peak hour volumes for residential flows are typically in the range of 30% to 50%, representing 8 to 13 vehicles in an hour (in an urban environment the flows are typically on the lower end). This is a vehicle every 7.5 to 4.5 minutes respectively. In an instance when a conflict did occur, the queue resulting from a peak hour flow of 4.5 to 7.5 minutes is minimal.

The represents the conceptual design intent for the system. Further design of the system will be necessary during the construction document phase to ensure the necessary components and sequencing is provided to prevent conflicting vehicular movements.



Michael De La Cruz May 10, 2019 Page 4

Sincerely,

WALKER CONSULTANTS

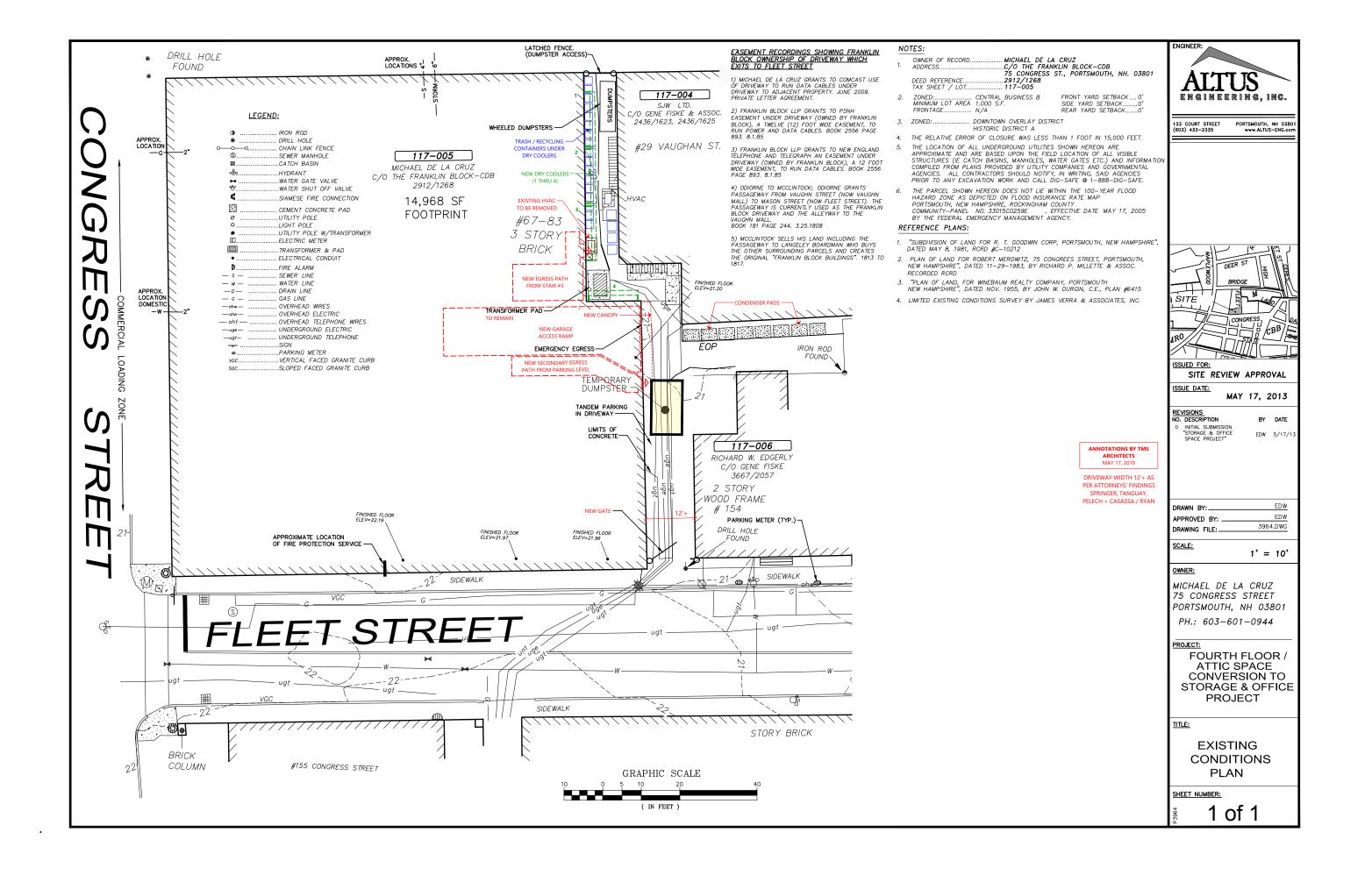
randon Calmankan DE (MA)

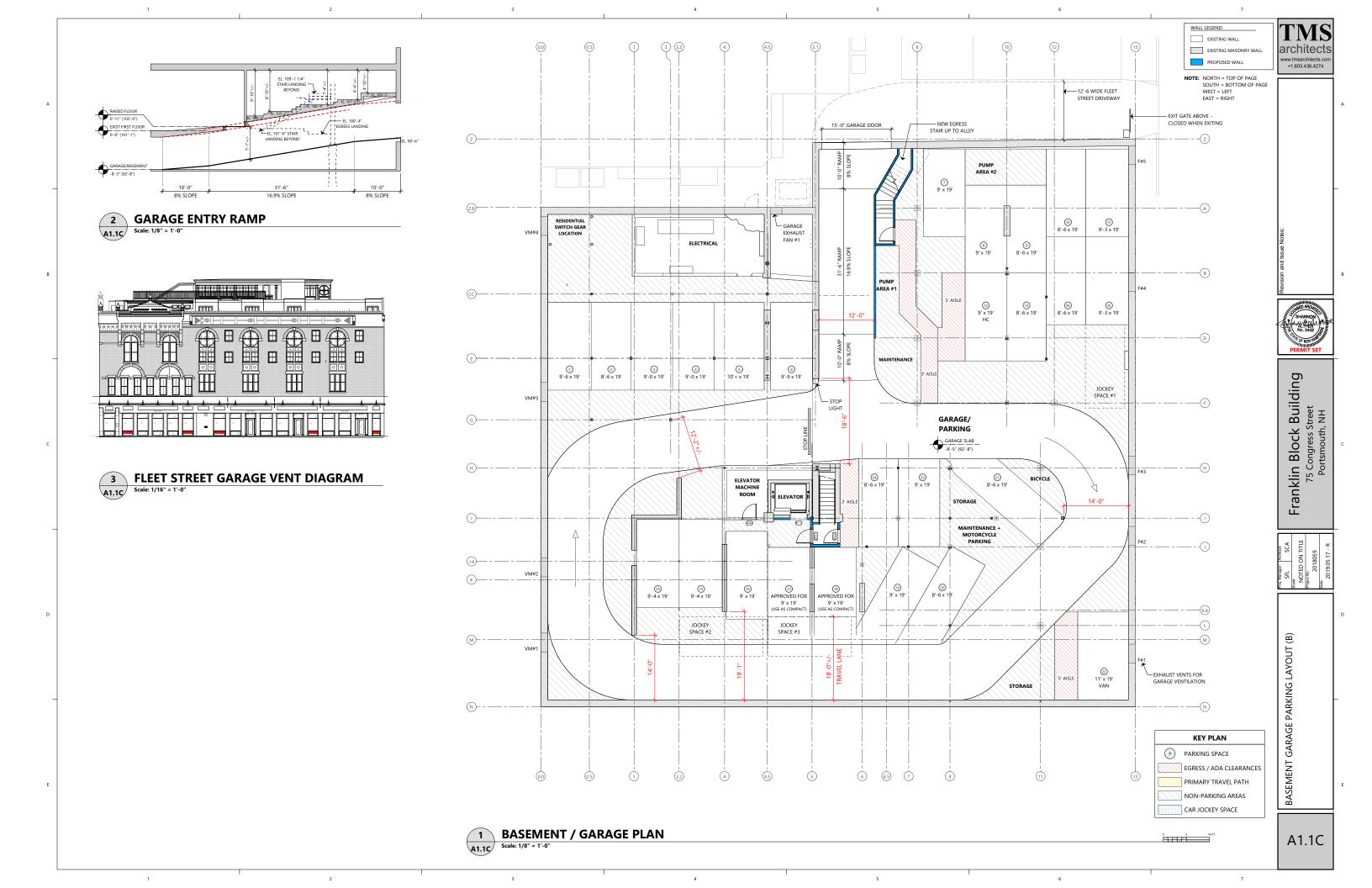
Brandon Schrenker, PE (MA) Project Manager

PORTSMOUTH HERALD-- A groundbreaking ceremony for the Foundry Place Garage will be held 4 p.m. Wednesday, Sept. 6.

The public is welcome to join members of the City Council, members of the Garage Building and Economic Development committees, project representatives including Walker Parking Consultants, Consigli Construction Co., Tighe & Bond and DeStefano Architects, and city staff. The ceremony will mark the beginning of construction on the city's 600-space garage and subsequent revitalization of the North End







THE DRAWINGS THAT ACCOMPANY THIS SET ARE A COMBINATION OF MULTIPLE GROUPS / ENTITIES THAT HAVE HELPED WITH THE INPUT AND DESIGN OUTLINE. THE DIMENSIONS AND RELATIONSHIPS SHOWN IN THE PLANS ARE INTENDED TO BE AN ACCURATE REPRESENTATION TO THE ACTUAL SPACES. VERIFICATION OF DISTANCES / HEIGHTS AND THICKNESSES AT CRITICAL AREAS AND PROGRAM ELEMENTS WILL REQUIRE ON SITE VERIFICATION ANY DISCREPANCIES ARE TO BE BROUGHT UP TO THE ARCHITECT OF RECORD AS SOON AS POSSIBLE

EXISTING COMMERCIAL SPACES SECOND AND THIRD FLOORS:

PARTITION / DEMISING WALLS BASED ON FLOOR LAYOUTS AND INTENDED SCOPE CHANGE (MAY BE MINIMAL)

• RESTROOMS TO REMAIN AS-IS UNLESS CHANGES IN PHASE TWO

MECHANICAL

- AREAS AT EACH FLOOR LEVEL MAY REMAIN AS IS, MAY BE RENOVATED OR MAY REQUIRE NEW SPACES BASED ON THE MEPFP COORDINATION WORK THAT IS FORTH COMING

 AS PHASE ONE MAY HAVE IMPACT AT EACH FLOOR BASED ON EXISTING AND NEW CHASES, PIPE RUINS OR OTHER MECHANICAL FOLIPMENT REQUIREMENTS, REVIEW WILL BE REQUIRED ONCE MEPPP DRAWINGS ARE COMPLETED OR DESIGN / BUILD OUTLINE IS COMPLETED

NO GLYCOL IS ANTICIPATED IN THE MAIN BUILDING SYSTEMS (OTHER THAN GARAGE RAMP ELEMENT)

 WATER SOURCE HEAT PUMP AND FORCED HOT AIR (NEW SYSTEMS TO BLEND / COORDINATE WITH EXISTING) • COORDINATE WITH CIRCULATION ROUTING AND OTHER EXISTING INFRASTRUCTURE AS MUCH AS POSSIBLE

COORDINATE EXISTING AND PROPOSED UTILITIES WITH INTENDED PROJECT SCOPE COORDINATE REQUIRED VOLUME / CAPACITIES AND RESTRICTIONS WITH EACH DISCIPLINE / TRADE

CIRCULATION

ELEVATOR AND ASSOCIATED EQUIPMENT TO BE REVIEWED AND UPGRADED BASED ON NEW WORK AND ADDED ELEVATOR ACCESS POINTS.

• STAIR COMPONENTS, CORRIDORS AND OTHER EXIT ACCESS ELEMENTS TO BE REVIEWED AND UPGRADED BASED ON OUTLINED WORK SCOPE

BLOCKING NOTE: PROVIDE BLOCKING IN AREAS ASSOCIATED WITH GRAB BARS / TOWERS BARS / MIRRORS / VANITIES / TV'S AND OTHER AREAS BASED ON THE TYPICAL UNIT LAYOUT. CONTRACTOR TO CREATE A BLOCKING TEMPLATE PLAN AND COORDINATE WITH THE OWNER BASED ON PRODUCTS / FOUIPMENT SELECTED

ATTEMPT TO LOCATE NEW SEWER / DRAIN LINES AGAINST EXISTING AND PROPOSED STEEL COLUMNS TO MINIMIZE IMPACT TO UNIT FLOOR SPACE AND LAYOUTS. TIE INTO EXISTING DRAINAGE SYSTEM PER FLOOR LEVEL OR PER BUILDING ZONE BASED ON THE EXISTING AND PROPOSED LAYOUT

FIRST FLOOR DOOR SCHEDULE										
				ROUGH OPENING		DOOR	FRAME	DOOR	FIRE	
#	TYPE	WIDTH"	HEIGHT"	WIDTH	HEIGHT	MATERIAL	MATERIAL	FINISH	RATING	NOTES
1.001.1		34"	80"	3'0"	6'10"					
E1.2		42"	81 1/4"	3'8"	6'11 1/4"					
G003.1		180"	80 3/4"	15'2"	6'10 3/4"	MTL	MTL	PAINT	60	DOOR OPERATOR
ST2.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	60	CLOSER / PANIC
ST3.1		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	90	CLOSER / PANIC
ST3.2		34"	80"	3'0"	6'10"	WOOD	MTL	PAINT	90	
ST3.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	90	CLOSER / PANIC
ST9.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	90	EXT DOOR WITH WEATHER STRIPPING + CLOSER
ST9.4		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT		EXTERIOR DOOR / CLOSER
U111.1		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT		
U111.2		32"	80"	2'10"	6'10"	WOOD	MTL	PAINT		
U111.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT		
U111.4		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT		

DOORS & WINDOWS:

NOTE: FXISTING DOORS AND WINDOWS ARE TO REMAIN AS IS BUT WILL REQUIRE REVIEW OF EXISTING WEATHERSTRIPPING, OPERATION AND INTEGRITY, CONTRACTOR TO VERIFY ALL EXISTING DOORS AND WINDOWS AND REVIEW WITH THE DESIGN TEAM. CONTRACTOR TO CREATE AN ALLOWANCE FOR THIS WORK AND WORK TOWARDS THAT ALLOWANCE FOR EXISTING CONDITIONS WORK.

NOTE: NEW WINDOW TYPES / STYLES ARE SHOWN BASED ON THE INTENDED LOCATION / DESIGN OUTLINE. ATTEMPT TO UTILIZE STANDARD SIZES WHERE POSSIBLE. ODD SHAPES AND WINDOWS THAT CREATE A "SERIES" ARE MEANT TO HAVE A STANDARD MULL SPACING OF 4" (3" DOUBLE STUD AND 1/2" AIR SPACE ON EACH SIDE TO WINDOW ROUGH OPENING WINDOW WITH SILLS LESS THAN 36" ARE REQUIRED TO HAVE WINDOW OPENING CONTROL DEVICES OF 4" MAXIMUM

NOTE: LOCK SETS ARE NOT OUTLINED HERE. CREATE SHOP / SUBMITTAL LIST FOR VERIFICATION WITH BUILDING MANAGEMENT SYSTEM, BUILDING OWNER AND END-USERS (IF APPLICABLE.)

AS IS EXCEPT FOR ENTRY LOBBY DOORS AND COMMERCIAL

CONTRACTOR OR DOOR SUB-CONTRACTOR TO REVIEW ALL DOORS FOR PROPER OPEN / CLOSURE OPERATION AS WELL

AND INTENDED USE. EGRESS DOORS AND EQUIPMENT TO

Scale: 1/8" = 1'-0"

MEET OR EXCEED ADA REQUIREMENTS.

DOORS: TRUSTILE OR SIMILAR

1. TS1000 CONTEMPORARY DOOR: MDF (PAINT GRADE) WITH SQUARE STICKING AND RAISED PANEL = INTERIOR

2. TS1000 MODERN DOOR: WOOD (WALNUT) WITH SQUARE STICKING AND FLAT PANEL = INTERIOR
3. TS1000 MODERN DOORS (PAIR) - WOOD (WALNUT) WITH SQUARE STICKING AND FLAT PANEL = INTERIOR

4. TS1000 CONTEMPORARY DOOR: WOOD (WALNUT) WITH WHITE LAMINATE GLASS = INTERIOR

S. TS3070 CONTEMPORARY DOOR: FIRE RATED; 20 MIN / 60 MIN / 90 MIN TRUDOOR FLUSH METAL DOOR: UTILITY APPLICATIONS / STAIRS = FIRE RATED; 60 MIN / 90 MIN

RESIDENTIAL LINIT ENTRY TYPE

1. EMTEK LISCIO ELECTRONIC E6000 OIL RUBBED BRONZE OR SATIN NICKEL

RESIDENTIAL PRIVACY TYPE

1. EMTEK POSEIDON (POS) WITH SQUARE ROSETTE 2. EMTEK MERCURY (MC) WITH SOUARE ROSETTE

RESIDENTIAL PASSAGE TYPE

1. EMTEK POSEIDON (POS) WITH SQUARE ROSETTE 2. EMTEK MERCURY (MC) WITH SQUARE ROSETTE

RESIDENTIAL DUMMY TYPE HANDLE

1. EMTEK POSEIDON (POS) WITH SQUARE ROSETTE 2. EMTEK MERCURY (MC) WITH SQUARE ROSETTE

DOOR NOTES COMMERCIAL

THRESHOLD: METAL THRESHOLD WITH INTEGRAL GASKET 1/2" MAXIMUM HEIGHT

SEALS: PEMKO SMOKE SEAL OR SIMILAR DOOR DROP BOTTOM: PEMKO 412_RL AUTOMATIC DOOR BOTTOM OR SIMILAR

HINGES: BUTT HINGES WITH BALL BEARING OPERATION (STANDARD OR HEAVY DUTY BASED ON LOCATION)

LOCK SETS: ASSA ABLOY OR SIMILAR PUSH / PULL HARDWARE: ROCKWOOD OR SIMILAR WITH INTEGRAL SIGNAGE

CLOSER: CORBIN RUSSWIN DC3000 OR SIMILAR

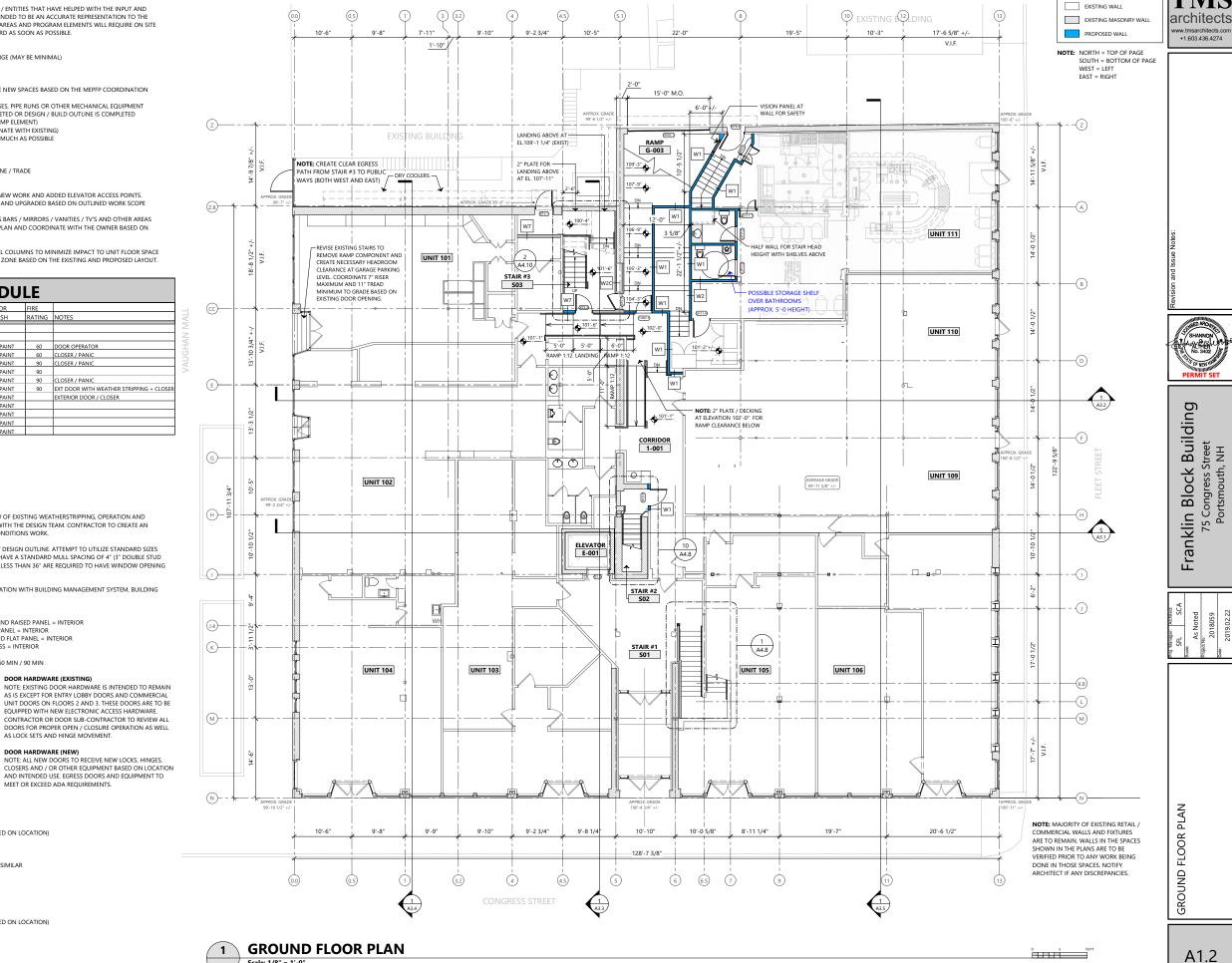
PANIC: CORBIN RUSSWIN ED4000 OR SIMILAR / CORBIN RUSSWIN MARC 115 HANDLE OR SIMILAR DOOR STOPS: EMTEK 2258US15

DOOR NOTES RESIDENTIAL:
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DOOR DROP BOTTOM: PEMKO 412. RL AUTOMATIC DOOR BOTTOM OR SIMILAR HINGES: BUTT HINGES WITH BALL BEARING OPERATION (STANDARD OR HEAVY DUTY BASED ON LOCATION)

LOCK SETS: EMTEK OR SIMILAR CLOSER: SPRING HINGE TYPE



WALL LEGEND:

TAC Workshop Narrative

RE: Small Residential Parking Garage for the Historic Ben Franklin Block

Date: 6.11.19

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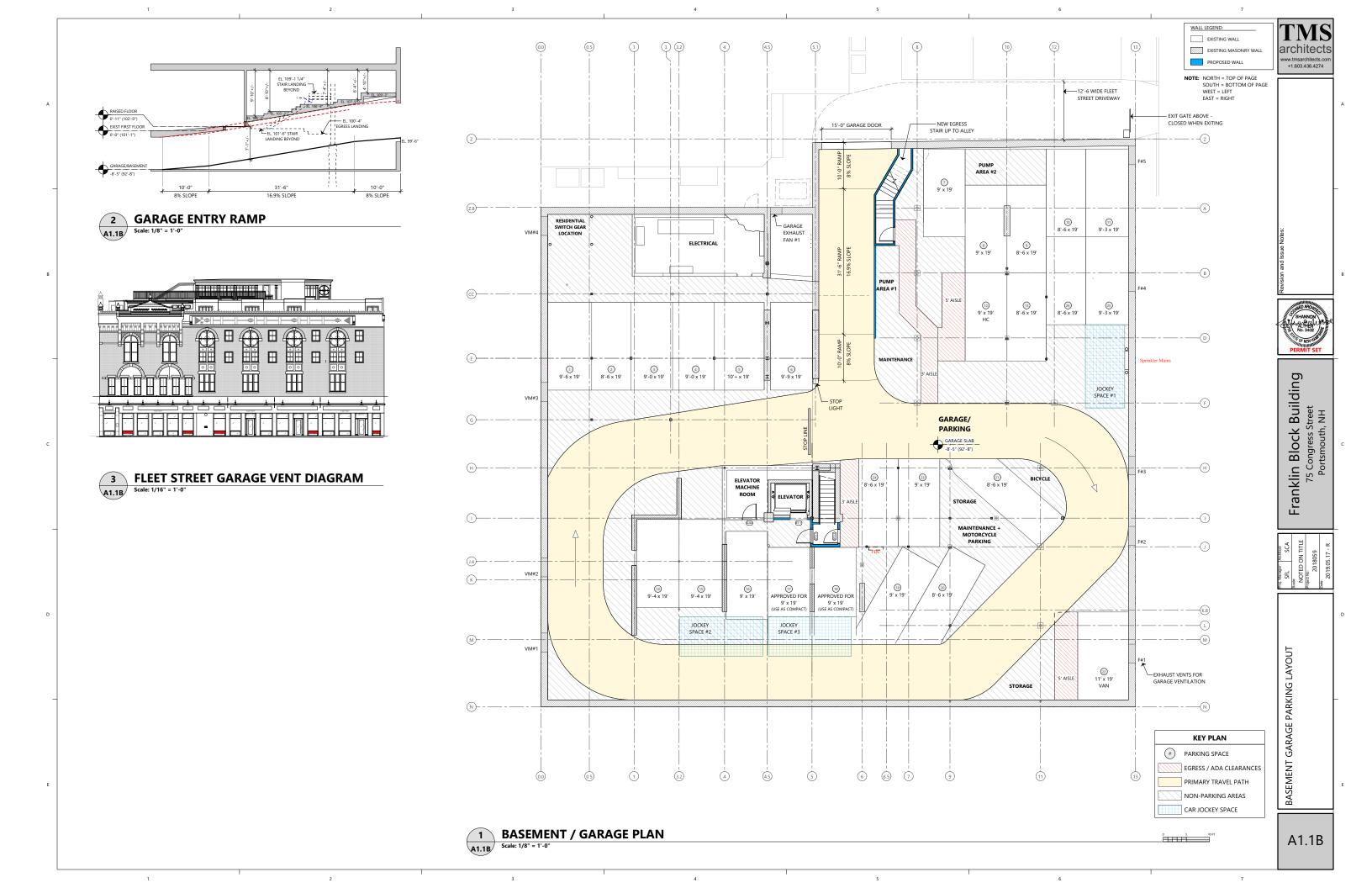
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Michael De La Cruz May 10, 2019 Page 2

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Michael De La Cruz May 10, 2019 Page 3

system will be determined later in design). The user will activate the transponder when close to the facility and the red / green indicator light mounted to the building will indicate whether the ramp is available (green) or if a vehicle is currently using the ramp / exiting (red).

- b. If the ramp is available, the light on the street level will remain green, the gate adjacent to the street will open, the overhead door at the building will open, and the light at the bottom of the ramp will remain red. The user will enter the access alley and the gate will close.
- c. If the ramp is not available, meaning it is being utilized in the exiting direction, the exterior red / green light will be red, the gate will remain closed, and the vehicle at grade will need to remain outside of the gate until the exiting vehicle exits onto Fleet St. In the event that the wait is longer than a few seconds, users will circulate the block to prevent a queue in the street.
- d. If another user approaches along Fleet St. while the first user is entering the facility, they will activate their transponder and the intent of the system is to allow that second user to enter the facility before an exiting vehicle is permitted on the ramp. The system functionality will be the same as identified above, however a user stopped on the lower level will have to remain in the level below until both vehicles have cleared the ramp.
- 4. For residents exiting the garage from the lower level
 - a. The users will active the transponder. The red / green indicator light at the bottom of the ramp will indicate whether the ramp is available (green) or if a vehicle is using the ramp / entering (red).
 - b. If the ramp is available, the light at the bottom of the ramp will turn green, the gate adjacent to the street will remain closed, and the overhead door at the face of the building will open. The vehicle will travel up the ramp to the street and the gate at the top of the ramp will remain closed until the vehicle is immediately adjacent to the gate to exit onto Fleet St. The driver will stop and use mirrors mounted on the buildings to look down the sidewalks in both directions before proceeding. The car will exit after the stop when it is established to be safe to proceed.
 - c. If the ramp is not available, meaning it is being utilized in the entering direction, the interior red / green light will remain red and the vehicle will need to remain stopped just before entering the ramp until the vehicle from the street level is down the ramp and into the parking loop.
- 5. It should be noted that the occurrences of conflicting traffic on the ramp should be minimal. The parking supply is only 26 parking spaces and maximum peak hour volumes for residential flows are typically in the range of 30% to 50%, representing 8 to 13 vehicles in an hour (in an urban environment the flows are typically on the lower end). This is a vehicle every 7.5 to 4.5 minutes respectively. In an instance when a conflict did occur, the queue resulting from a peak hour flow of 4.5 to 7.5 minutes is minimal.

The represents the conceptual design intent for the system. Further design of the system will be necessary during the construction document phase to ensure the necessary components and sequencing is provided to prevent conflicting vehicular movements.



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Sincerely,

WALKER CONSULTANTS

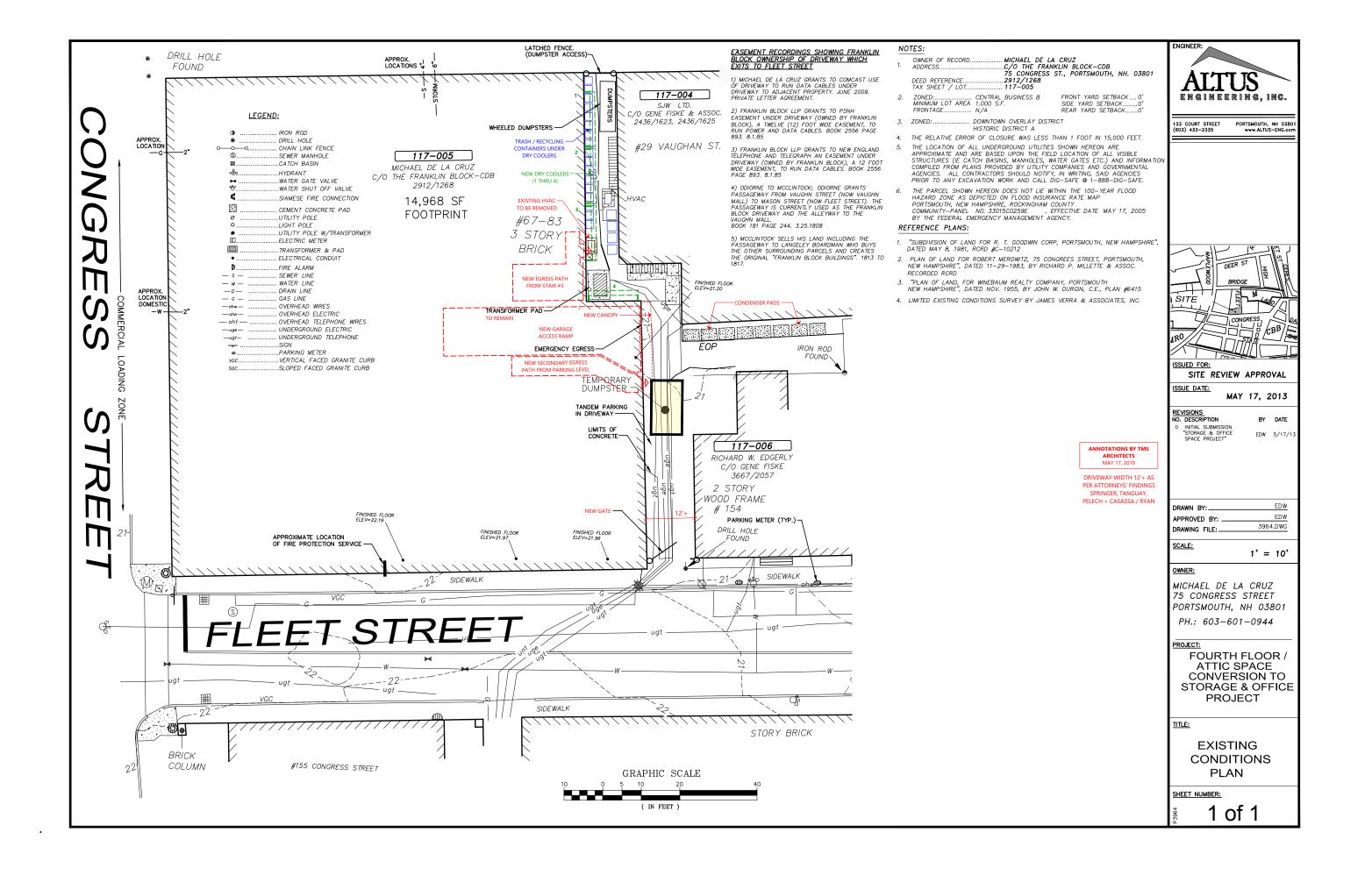
randon Calmankan DE (MA)

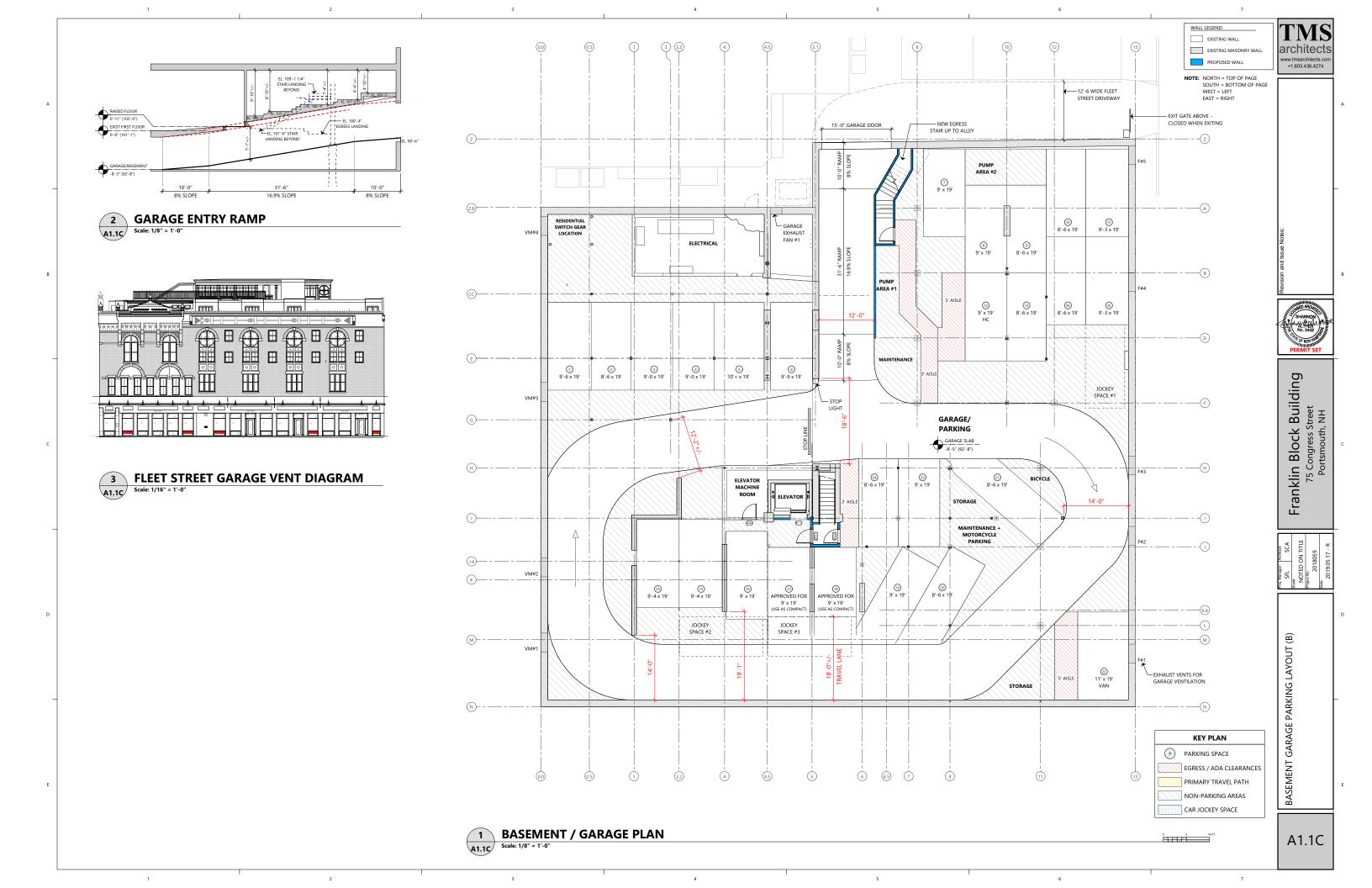
Brandon Schrenker, PE (MA) Project Manager

PORTSMOUTH HERALD-- A groundbreaking ceremony for the Foundry Place Garage will be held 4 p.m. Wednesday, Sept. 6.

The public is welcome to join members of the City Council, members of the Garage Building and Economic Development committees, project representatives including Walker Parking Consultants, Consigli Construction Co., Tighe & Bond and DeStefano Architects, and city staff. The ceremony will mark the beginning of construction on the city's 600-space garage and subsequent revitalization of the North End







THE DRAWINGS THAT ACCOMPANY THIS SET ARE A COMBINATION OF MULTIPLE GROUPS / ENTITIES THAT HAVE HELPED WITH THE INPUT AND DESIGN OUTLINE. THE DIMENSIONS AND RELATIONSHIPS SHOWN IN THE PLANS ARE INTENDED TO BE AN ACCURATE REPRESENTATION TO THE ACTUAL SPACES. VERIFICATION OF DISTANCES / HEIGHTS AND THICKNESSES AT CRITICAL AREAS AND PROGRAM ELEMENTS WILL REQUIRE ON SITE VERIFICATION ANY DISCREPANCIES ARE TO BE BROUGHT UP TO THE ARCHITECT OF RECORD AS SOON AS POSSIBLE

EXISTING COMMERCIAL SPACES SECOND AND THIRD FLOORS:

PARTITION / DEMISING WALLS BASED ON FLOOR LAYOUTS AND INTENDED SCOPE CHANGE (MAY BE MINIMAL)

• RESTROOMS TO REMAIN AS-IS UNLESS CHANGES IN PHASE TWO

MECHANICAL

- AREAS AT EACH FLOOR LEVEL MAY REMAIN AS IS, MAY BE RENOVATED OR MAY REQUIRE NEW SPACES BASED ON THE MEPFP COORDINATION WORK THAT IS FORTH COMING

 AS PHASE ONE MAY HAVE IMPACT AT EACH FLOOR BASED ON EXISTING AND NEW CHASES, PIPE RUINS OR OTHER MECHANICAL FOLIPMENT REQUIREMENTS, REVIEW WILL BE REQUIRED ONCE MEPFP DRAWINGS ARE COMPLETED OR DESIGN / BUILD OUTLINE IS COMPLETED

NO GLYCOL IS ANTICIPATED IN THE MAIN BUILDING SYSTEMS (OTHER THAN GARAGE RAMP ELEMENT)

WATER SOURCE HEAT PUMP AND FORCED HOT AIR (NEW SYSTEMS TO BLEND / COORDINATE WITH EXISTING)

• COORDINATE WITH CIRCULATION ROUTING AND OTHER EXISTING INFRASTRUCTURE AS MUCH AS POSSIBLE

COORDINATE EXISTING AND PROPOSED UTILITIES WITH INTENDED PROJECT SCOPE COORDINATE REQUIRED VOLUME / CAPACITIES AND RESTRICTIONS WITH EACH DISCIPLINE / TRADE

CIRCULATION

ELEVATOR AND ASSOCIATED EQUIPMENT TO BE REVIEWED AND UPGRADED BASED ON NEW WORK AND ADDED ELEVATOR ACCESS POINTS.

• STAIR COMPONENTS, CORRIDORS AND OTHER EXIT ACCESS ELEMENTS TO BE REVIEWED AND UPGRADED BASED ON OUTLINED WORK SCOPE

BLOCKING NOTE: PROVIDE BLOCKING IN AREAS ASSOCIATED WITH GRAB BARS / TOWERS BARS / MIRRORS / VANITIES / TV'S AND OTHER AREAS BASED ON THE TYPICAL UNIT LAYOUT. CONTRACTOR TO CREATE A BLOCKING TEMPLATE PLAN AND COORDINATE WITH THE OWNER BASED ON PRODUCTS / FOUIPMENT SELECTED

ATTEMPT TO LOCATE NEW SEWER / DRAIN LINES AGAINST EXISTING AND PROPOSED STEEL COLUMNS TO MINIMIZE IMPACT TO UNIT FLOOR SPACE AND LAYOUTS. TIE INTO EXISTING DRAINAGE SYSTEM PER FLOOR LEVEL OR PER BUILDING ZONE BASED ON THE EXISTING AND PROPOSED LAYOUT

FIRST FLOOR DOOR SCHEDULE											
				ROUGH OPENING		DOOR	FRAME	DOOR	FIRE		
#	TYPE	WIDTH"	HEIGHT"	WIDTH	HEIGHT	MATERIAL	MATERIAL	FINISH	RATING	NOTES	
1.001.1		34"	80"	3'0"	6'10"				İ		
E1.2		42"	81 1/4"	3'8"	6'11 1/4"						
G003.1		180"	80 3/4"	15'2"	6'10 3/4"	MTL	MTL	PAINT	60	DOOR OPERATOR	
ST2.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	60	CLOSER / PANIC	
ST3.1		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	90	CLOSER / PANIC	
ST3.2		34"	80"	3'0"	6'10"	WOOD	MTL	PAINT	90		
ST3.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	90	CLOSER / PANIC	
ST9.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT	90	EXT DOOR WITH WEATHER STRIPPING + CLOSER	
ST9.4		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT		EXTERIOR DOOR / CLOSER	
U111.1		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT			
U111.2		32"	80"	2'10"	6'10"	WOOD	MTL	PAINT			
U111.3		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT			
U111.4		36"	80"	3'2"	6'10"	WOOD	MTL	PAINT			

DOORS & WINDOWS:

NOTE: FXISTING DOORS AND WINDOWS ARE TO REMAIN AS IS BUT WILL REQUIRE REVIEW OF EXISTING WEATHERSTRIPPING, OPERATION AND ALLOWANCE FOR THIS WORK AND WORK TOWARDS THAT ALLOWANCE FOR EXISTING CONDITIONS WORK.

NOTE: NEW WINDOW TYPES / STYLES ARE SHOWN BASED ON THE INTENDED LOCATION / DESIGN OUTLINE. ATTEMPT TO UTILIZE STANDARD SIZES WHERE POSSIBLE. ODD SHAPES AND WINDOWS THAT CREATE A "SERIES" ARE MEANT TO HAVE A STANDARD MULL SPACING OF 4" (3" DOUBLE STUD AND 1/2" AIR SPACE ON EACH SIDE TO WINDOW ROUGH OPENING WINDOW WITH SILLS LESS THAN 36" ARE REQUIRED TO HAVE WINDOW OPENING CONTROL DEVICES OF 4" MAXIMUM

NOTE: LOCK SETS ARE NOT OUTLINED HERE. CREATE SHOP / SUBMITTAL LIST FOR VERIFICATION WITH BUILDING MANAGEMENT SYSTEM, BUILDING OWNER AND END-USERS (IF APPLICABLE.)

AS IS EXCEPT FOR ENTRY LOBBY DOORS AND COMMERCIAL

CONTRACTOR OR DOOR SUB-CONTRACTOR TO REVIEW ALL DOORS FOR PROPER OPEN / CLOSURE OPERATION AS WELL

AND INTENDED USE. EGRESS DOORS AND EQUIPMENT TO

Scale: 1/8" = 1'-0"

MEET OR EXCEED ADA REQUIREMENTS.

DOORS: TRUSTILE OR SIMILAR

1. TS1000 CONTEMPORARY DOOR: MDF (PAINT GRADE) WITH SQUARE STICKING AND RAISED PANEL = INTERIOR

2. TS1000 MODERN DOOR: WOOD (WALNUT) WITH SQUARE STICKING AND FLAT PANEL = INTERIOR
3. TS1000 MODERN DOORS (PAIR) - WOOD (WALNUT) WITH SQUARE STICKING AND FLAT PANEL = INTERIOR

4. TS1000 CONTEMPORARY DOOR: WOOD (WALNUT) WITH WHITE LAMINATE GLASS = INTERIOR

S. TS3070 CONTEMPORARY DOOR: FIRE RATED; 20 MIN / 60 MIN / 90 MIN
 TRUDOOR FLUSH METAL DOOR: UTILITY APPLICATIONS / STAIRS = FIRE RATED; 60 MIN / 90 MIN

RESIDENTIAL LINIT ENTRY TYPE

1. EMTEK LISCIO ELECTRONIC E6000 OIL RUBBED BRONZE OR SATIN NICKEL

RESIDENTIAL PRIVACY TYPE

1. EMTEK POSEIDON (POS) WITH SQUARE ROSETTE 2. EMTEK MERCURY (MC) WITH SOUARE ROSETTE

RESIDENTIAL PASSAGE TYPE 1. EMTEK POSEIDON (POS) WITH SQUARE ROSETTE

2. EMTEK MERCURY (MC) WITH SQUARE ROSETTE

RESIDENTIAL DUMMY TYPE HANDLE

1. EMTEK POSEIDON (POS) WITH SQUARE ROSETTE 2. EMTEK MERCURY (MC) WITH SQUARE ROSETTE

DOOR NOTES COMMERCIAL THRESHOLD: METAL THRESHOLD WITH INTEGRAL GASKET 1/2" MAXIMUM HEIGHT

SEALS: PEMKO SMOKE SEAL OR SIMILAR DOOR DROP BOTTOM: PEMKO 412 RL AUTOMATIC DOOR BOTTOM OR SIMILAR

HINGES: BUTT HINGES WITH BALL BEARING OPERATION (STANDARD OR HEAVY DUTY BASED ON LOCATION)

LOCK SETS: ASSA ABLOY OR SIMILAR

PUSH / PULL HARDWARE: ROCKWOOD OR SIMILAR WITH INTEGRAL SIGNAGE CLOSER: CORBIN RUSSWIN DC3000 OR SIMILAR

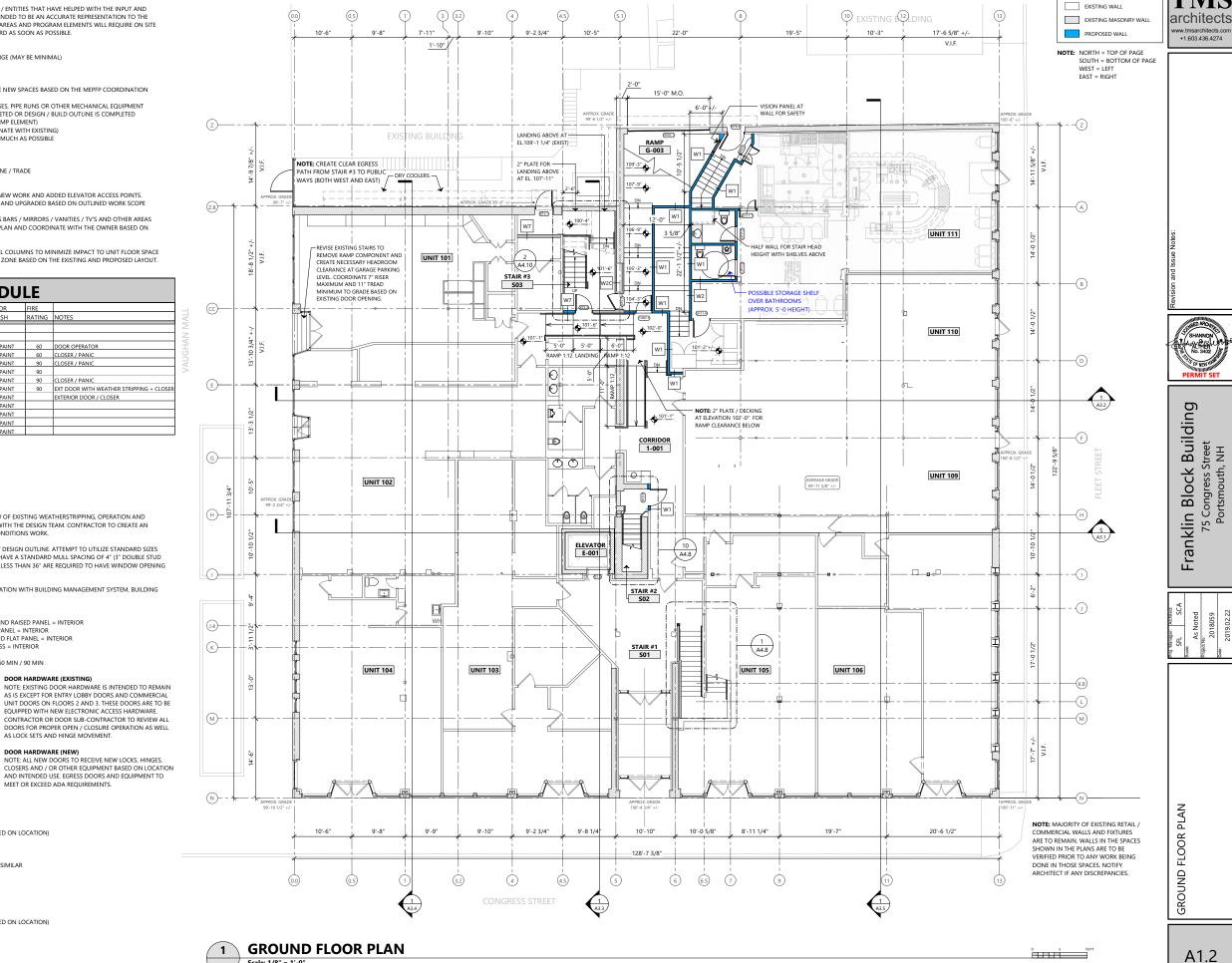
PANIC: CORBIN RUSSWIN ED4000 OR SIMILAR / CORBIN RUSSWIN MARC 115 HANDLE OR SIMILAR DOOR STOPS: EMTEK 2258US15

DOOR NOTES RESIDENTIAL:
THRESHOLD: METAL THRESHOLD WITH INTEGRAL GASKET 1/2" MAXIMUM HEIGHT

SEALS: PEMKO SMOKE SEAL OR SIMILAR

DOOR DROP BOTTOM: PEMKO 412. RL AUTOMATIC DOOR BOTTOM OR SIMILAR HINGES: BUTT HINGES WITH BALL BEARING OPERATION (STANDARD OR HEAVY DUTY BASED ON LOCATION)

LOCK SETS: EMTEK OR SIMILAR CLOSER: SPRING HINGE TYPE



WALL LEGEND: