

(IBC 2015: CODE DATA)	
OCCUPANT LOAD USE GROUP CLASSIFICATION	24 PEOPLE BUSINESS
TYPE OF CONSTRUCTION	TYPE 2 - EXISTING TO REMAIN
TOTAL AREA OF WORK	8,410 SF (AREA OF WORK)
ACTUAL BUILDING AREA	E.T.R.
BUILDING HEIGHT	4 STORIES - E.T.R.
BUILDING AREA LIMITATION - SQ. FT. (TABLE 503)	E.T.R.
BUILDING HEIGHT LIMITATION - STORIES (TABLE 503)	E.T.R.
STREET FRONTAGE INCREASE (150%) - SQ. FT.	E.T.R.
AUTOMATIC SPRINKLER SYSTEM AREA INCREASE (200%) - SQ. FT.	E.T.R.
AUTOMATIC SPRINKLER SYSTEM HEIGHT INCREASE (1 STORY)	
EXIT ACCESS TRAVEL DISTANCE (ALLOWABLE/ ACTUAL)	200'/ 71'-9"
COMMON PATH OF TRAVEL (ALLOWABLE/ ACTUAL)	100//71'-9"
FIRE SUPPRESSION:	YES, PER NFPA 13
EXIT ACCESS FIRE RATINGS:	
FIRE WALLS: PARTY WALLS	E.T.R.
STAIR ENCLOSURES	2 HR - E.T.R.
SHAFTS	2 HR - E.T.R.
EXIT ACCESS CORRIDORS	E.T.R.
FIRE PROTECTION OF STRUCTURE:	
PRIMARY STRUCTURAL FRAME	E.T.R.
LOAD BEARING WALLS - EXTERIOR	E.T.R.
LOAD BEARING WALLS - INTERIOR	E.T.R.
NON-LOAD BEARING WALLS - EXTERIOR	E.T.R.
NON-LOAD BEARING WALLS - INTERIOR	E.T.R.
FLOOR CONSTRUCTION & SECONDARY MEMBERS	E.T.R.
ROOF CONSTRUCTION & SECONDARY MEMBERS	E.T.R.
NFPA 101 2009 & NFPA 220 2006:	
OCCUPANT LOAD	24 PEOPLE
USE GROUP CLASSIFICATION	DUGDIEGG
	BUSINESS
TYPE OF CONSTRUCTION TOTAL AREA OF WORK	TYPE II - E.T.R.
TOTAL AREA OF WORK	TYPE II - E.T.R. 8,410 SF (AREA OF WORK)
TOTAL AREA OF WORK ACTUAL BUILDING AREA	TYPE II - E.T.R. 8,410 SF (AREA OF WORK) E.T.R.
TOTAL AREA OF WORK	TYPE II - E.T.R. 8,410 SF (AREA OF WORK)
TOTAL AREA OF WORK ACTUAL BUILDING AREA BUILDING HEIGHT	TYPE II - E.T.R. 8,410 SF (AREA OF WORK) E.T.R. 3 STORIES - E.T.R.
TOTAL AREA OF WORK ACTUAL BUILDING AREA BUILDING HEIGHT BUILDING HEIGHT LIMITATION - STORIES	TYPE II - E.T.R. 8,410 SF (AREA OF WORK) E.T.R. 3 STORIES - E.T.R. NONE
TOTAL AREA OF WORK ACTUAL BUILDING AREA BUILDING HEIGHT BUILDING HEIGHT LIMITATION - STORIES EXIT ACCESS TRAVEL DISTANCE (ALLOWABLE/ ACTUAL) COMMON PATH OF TRAVEL (ALLOWABLE/ ACTUAL) FIRE SUPPRESSION:	TYPE II - E.T.R. 8,410 SF (AREA OF WORK) E.T.R. 3 STORIES - E.T.R. NONE 200'/ 71'-9"
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GENERAL NOTES

UFAS, HUD/AG, ADA/AG, MPS.

- PROVIDE 300 LINEAR FEET OF BLOCKING.

- SUB-TRADES.
- ETC.
- ALL WINDOWS WITHIN 60" HORIZ. & VERT. DIMENSION OF STAIRS MUST BE TEMPERED. ALL WINDOWS WITHIN 24" OF A DOOR SWING MUST BE TEMPERED.
- WALLS.
- WORK.
- TIME ALLOWED FOR REQUIRED CODE RESEARCH AND DRAWING MODIFICATIONS OR ADDITIONS.

16. AS A LIMITED COMBUSTIBLE STRUCTURE, ALL WOOD COMPONENTS DEEMED AS BLOCKERS AND NAILERS SHALL NOT REQUIRE FIRE TREATING. OTHER OTHER WOOD INSTALLATIONS SHALL MEET 'IBC' SECTION 603 AND REQUIRE FIRE TREATMENT. WOOD INTERIOR FINISHES SHALL MEET 'IBC' SECTION 805.

17. FIRE ALARM SYSTEM IS BY A DESIGN BUILD CONTRACTOR TO MEET THE REQUIREMENTS OF NFPA 72, ALL FIRE ALARM DEVICES WILL MEET ADA HEIGHT REQUIREMENTS.

SYMBOLS

	ROOM NUMBER	▲ ७ ○ ○ ৩ ° ○ ▷	CONCRETE
\bigcirc	DOOR NUMBER		CONCRETE MASONRY UNIT
\bigcirc	WINDOW TYPE		GRAVEL
	BUILDING SECTION		SOIL
À	WALL SECTION	11 11 11	STEEL
	WALL SECTION		WOOD FRAMING
\ominus	DETAIL SECTION		WOOD BLOCKING
	CASEWORK ELEVATION		PLYWOOD
\bigcirc	INTERIOR ELEVATION	、、、、	GYPSUM BOARD
			SAT
- -	VERTICAL ELEVATION		BATT INSULATION
	PARTITION TYPE		RIGID INSULATION
¢	COLUMN CENTER LINE		EXPANSION MATERIAL
			FINISH WOOD

PROJECT DIRECTORY

1. THE BUILDING SHALL BE CONSTRUCTED TO CONFORM WITH ALL CURRENT APPLICABLE CODES INCLUDING, BUT NOT LIMITED TO, THE LATEST EDITIONS OF IBC, IECC, NFPA 101, ANSI,

2. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE PRESERVATIVE TREATED.

3. CONTRACTOR SHALL WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY. DO NOT SCALE THE DRAWINGS.

4. INSTALL BLOCKING FOR SURFACE APPLIED FIXTURES, TRIM, CABINETS, COUNTER TOPS, AND GRAB BARS WHEN MOUNTED ON STUD WALLS, INCLUDING ALL FUTURE INSTALLATIONS;

5. ALL GRAB BARS SHALL BE ABLE TO SUPPORT A DEAD WEIGHT OF 250 LBS AT ANY POINT

6. INSTALL MOISTURE RESISTANT GYPSUM BOARD IN BATHROOMS, STORAGE, SPRINKLER AND ALL OTHER HIGH HUMIDITY AREA.. INSTALL MOISTURE RESISTANT FIRECODE G.W.B. @ ALL FIRE RATED WALLS COMMON WITH BATH ROOMS. SHOWERS ALL SIDES TO HAVE DURAROCK BACKING.

7. ALL WINDOWS SHALL BE INSTALLED WITH BACKER ROD AND SEALANT CAULKING FOUR SIDES OF A NON-HARDENING TYPE.

8. INSTALL U.L. SLEEVE FIRE-STOPPING SYSTEM & FIRE RATED SEALANTS EQUAL TO THE FIRE RATED FLOOR, CEILING AND WALL ASSEMBLY

9. FIRESTOP VERTICAL MECHANICAL CHASES @ FLOOR & CEILING U.L. RATED PENETRATIONS. CAULK JOINTS. COORDINATE AND FLASH ALL ROOF/WALL PENETRATIONS WITH THE

10. CONTINUE SEPARATION WALLS TO UNDERSIDE OF FLOOR/CEILING ABOVE. UNIT TO UNIT, UNIT TO CORRIDOR, CORRIDOR WALLS, STORAGE WALLS, ELEVATOR, STAIRWELL WALLS,

11. REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

12. WINDOW SAFETY GLAZING SHALL BE LOCATED AS FOLLOWS, BUT NOT LIMITED TO:

ALL WINDOWS WITHIN A SHOWER ENCLOSURE MUST BE TEMPERED.

13. BUILDING INSULATION SHALL BE PROVIDED AS INDICATED & NOTED IF NOT SHOWN IN ITS ENTIRETY THROUGHOUT THE DRAWING SET. INSULATE ALL BATHROOM & MECH. ROOM

14. BEAM, JOIST OR OTHER STRUCTURAL MEMBER PENETRATIONS NOT SHOWN OR INDICATED ON DRAWINGS MUST BE CONSULTED WITH THE ARCHITECT &/OR ENGINEER PRIOR TO

15. ANY CHANGE DURING CONSTRUCTION OF USE, OCCUPANCY OR CONSTRUCTION TYPE MUST BE DISCUSSED WITH ARCHITECT PRIOR TO ANY WORK PERFORMED AND SUBSTANTIAL

MATERIALS

ABBREVIATIONS

AB AFF

ALUM

BM

BOT BRG BRK

CAB CC CL

CLG CONC

CONT

DIA

DIM

DNA DTL DWG

EA

ELEC ELEV EHC ETR EO EW EXT

	ANCHOR BOLT ABOVE FINISH FLOOR	FDKB FDN	FIRE DEPARTMENT KEY BO FOUNDATION
A OR AL	ALUMINUM	FX	FIRE EXTINGUISHER
		FFE	FINISH FLOOR ELEVATION
	BITUMINOUS	FIN	FINISH
	BENCH MARK	FIN FL OR FF	FINISH FLOOR
	BOTTOM	FIN GR	FINISH GRADE
	BEARING	FL	FLOOR
	BRICK	FR	FIRE RATING
	bidek	FRMG	FRAMING
	CARPET	FT	FEET (FOOT)
	CARFET	FV	FIELD VERIFY
	CABINET CENTER TO CENTER		
	CENTER LINE	GA	GAUGE
	CEILING	GALV	GALVANIZED
-	CONCRETE	GB	GRAB BARS
- F	CONTINUOUS	GC	GENERAL CONTRACTOR
L	CONTINUOUS	GWB	GYPSUM WALL BOARD
	DOUBLE		
	DIAMETER	HC	HANDICAP
	DIMENSION	HM	HOLLOW METAL
	DOES NOT APPLY	HORZ	HORIZONTAL
	DETAIL	HT	HEIGHT
	DRAWING		
		IF	INSIDE FACE
	EAST	IN	INCHES
	EACH	INSUL	INSULATION
	EACH FACE	INT	INTERIOR
	ELEVATION		
	ELECTRICAL	JNT OR JT	JOINT
r	ELEVATOR		
	ELECTRO-MAGNETIC HOLD OPEN	LOC	LOCATION
	EXISTING TO REMAIN		
	EQUAL		
	EACH WAY		
	EXTERIOR		

OWNER

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DRAWING INDEX

ARCHITECTURE

T-1.0	COVER SHEET
EC-1.0	EXISTING/ KEY PLANS
EC-1.1	DEMO PLANS
EC-2.0	EXISTING ELEVATIONS
EC-2.1	DEMO ELEVATIONS
A-1.0	PROPOSED PLAZA LEVEL PLAN
A-1.1	PROPOSED LOWER LEVEL PLAN
A-1.2	PROPOSED ENLARGED LOWER LEVEL
A-1.3	ENLARGED RESTROOM PLANS
A-1.4	ENLARGED RESTROOM ELEVATIONS
A-1.5	WINDOW PLAN DETAILS
A-2.0	PROPOSED ELEVATIONS
A-3.0	VESTIBULE SECTION A
A-3.1	BUILDING WALL SECTIONS)
A-3-7	BUILDING WALL SECTIONS

A-3.2 BUILDING WALL SECTIONS

PROJECT NOTES

1. THE CONSTRUCTION TYPE NOTED WITHIN IS LIMITED TO THE SCOPE OF WORK FOR THE PROJECT AS SHOWN AND OUTLINED IN THE CONSTRUCTION DOCUMENTS. CONSTRUCTION TYPE AND USE BEYOND THIS SCOPE OF WORK SHALL BE OUTSIDE THE RESPONSIBILITY OF THE ARCHITECT.

2. SCOPE OF WORK: THE PROJECT INCLUDES THE TENANT FIT-UP OF INTERIOR WALLS FOR CAMDEN NATIONAL BANK (NO CHANGE OF USE), NEW EXTERIOR WINDOWS WITHIN THE EXISTING MASONRY WALL SYSTEM & A NEW LOWER LEVEL ENTRY VESTIBULE.

3. ELECTRICAL: ALL NEW WORK SHALL MEET THE NEC AND NFPA 70. ALL LIFE SAFETY INTEGRATION W/ THE EXISTING SHALL MEET NFPA 72 & CITY OF PORTLAND FIRE DEPARTMENT.

4. ALL NEW INTERIOR FINISHES SHALL MEET: WALLS & CEILINGS: CLASS A OR B - FLOOR FINISHES: NOT LESS THAN CLASS II. 5. FURNITURE, FIXTURES AND EQUIPMENT: SHALL BE FLAME RESISTANT & MEET NFPA 701, STANDARD METHODS OF FIRE TESTS FOR FLAME PROPAGATION OF

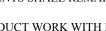
TEXTILES & FILMS. 6. SPRINKLER SYSTEM - NEW HEADS PER PLAN.

7. ALL EXISTING VERTICAL EGRESS COMPONENTS SHALL REMAIN AS SHOWN ON DRAWINGS.

8. HVAC - VERIFY EXISTING HVAC SYSTEM & DUCT WORK WITH PROPOSED PLAN. 9. REPORT ANY DISCREPANCIES IMMEDIATELY TO ARCHITECT.

REVISED: FEBRUARY 15, 2019	
PERMIT SET: SEPTEMBER 19, 2018	

TECT.						
BOX	MAX	MAXIMUM	S	SOUTH		
DOM	MECH	MECHANICAL	SAT	SUSPENDED ACOUSTICAL		
	MFGR	MANUFACTURER		TILE CEILING		
ON	MIN	MINIMUM	SC	SHOWER CURTAIN		
	MISC	MISCELLANEOUS	SD	SOAP DISPENSER		
	MRGB	MOISTURE RESISTANT GYPSUM BOARD	SCHED	SCHEDULE		
	MTL	METAL	SECT	SECTION		
			SHT	SHEET		
	N	NORTH	SIM	SIMILAR	Ш	
	NA	NOT APPLICABLE	SND	SANITARY NAPKIN DISPOSAL		REVISIONS
	NIC NO	NOT IN CONTACT NUMBER	SQ STD	SQUARE STANDARD	Ш	VISIO
	NOM	NOMINAL	STL	STEEL		쁕
	NTS	NOT TO SCALE	STRUCT	STRUCTURAL	0 Ū	DATE
	1115		SV	SHEET VINYL	0	•
	OA	OVERALL				3.02.20
R	OC	ON CENTER	Т	TEMPERED (GLASS)		
	OD	OUTSIDE DIAMETER	THK	THICKNESS		PROJECT
	OPNG	OPENING	TO	TOP OF	Ш	FNUJECI
	OPP	OPPOSITE	TOB	TOP OF BEAM		2 CANA
	_		TOM TOW	TOP OF MASONRY TOP OF WALL	Á	PLAZA
	P	PAINT	TP	TOILET PAPER DISPENSER		I
	PTD	PAINTED	TUON	TYPICAL UNLESS OTHERWISE NOTED	U	DRAWN BY
	PL PLY WD	PLATE PLYWOOD	ТҮР	TYPICAL		I
	PLY WD PNL	PANEL				MRP
	P.T.	PRESSURE TREATED	VB	VAPOR BARRIER		1
	PTN	PARTITION	VCT	VINYL COMPOSITION TILE		
			VERT	VERTICAL		CHECK BY
	RE	REFER	W	WEST		MLM
	REF	REFRIGERATOR	W/	WITH		
	REINF	REINFORCED	WC	WATER CLOSET		
	REQD	REQUIRED	WD	WOOD		
	RM	ROOM				
	RO	ROUGH OPENING				
	$\mathbf{D}\mathbf{\Gamma}$	VICED. EED	$\mathbf{D}\mathbf{D}\mathbf{T}$	ARY 15, 2019		
	INL			ANI IJ, 2019	T -	1.0



STRUCTURAL

ENGINEER

ENGINEER

STRUCTURE

S1 S2

S3

S4

OWER LEVEL PLAN

SECTIONS AND DETAILS

GENERAL NOTES

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PARTIAL BASEMENT FLOOR & FOUNDATION PLAN, DETAILS

PARTIAL PLAZA FLOOR FRAMING PLAN AND DETAILS

L & L STRUCTURAL ENGINEERING SERVICES, INC.

Reviewed for Code Compliance Permitting and Inspections Department Approved with Conditions 03/08/2019



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Suite 205

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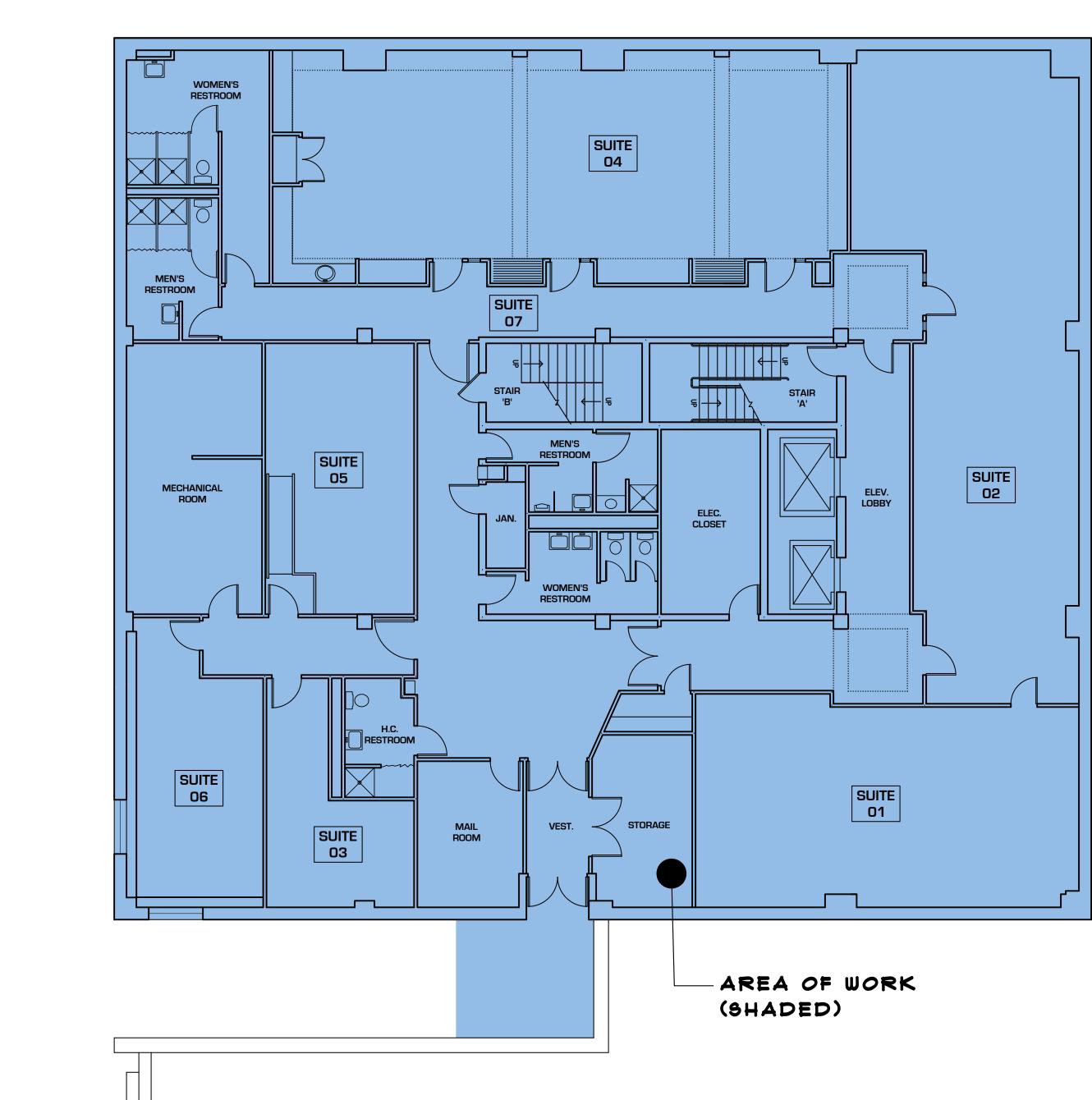
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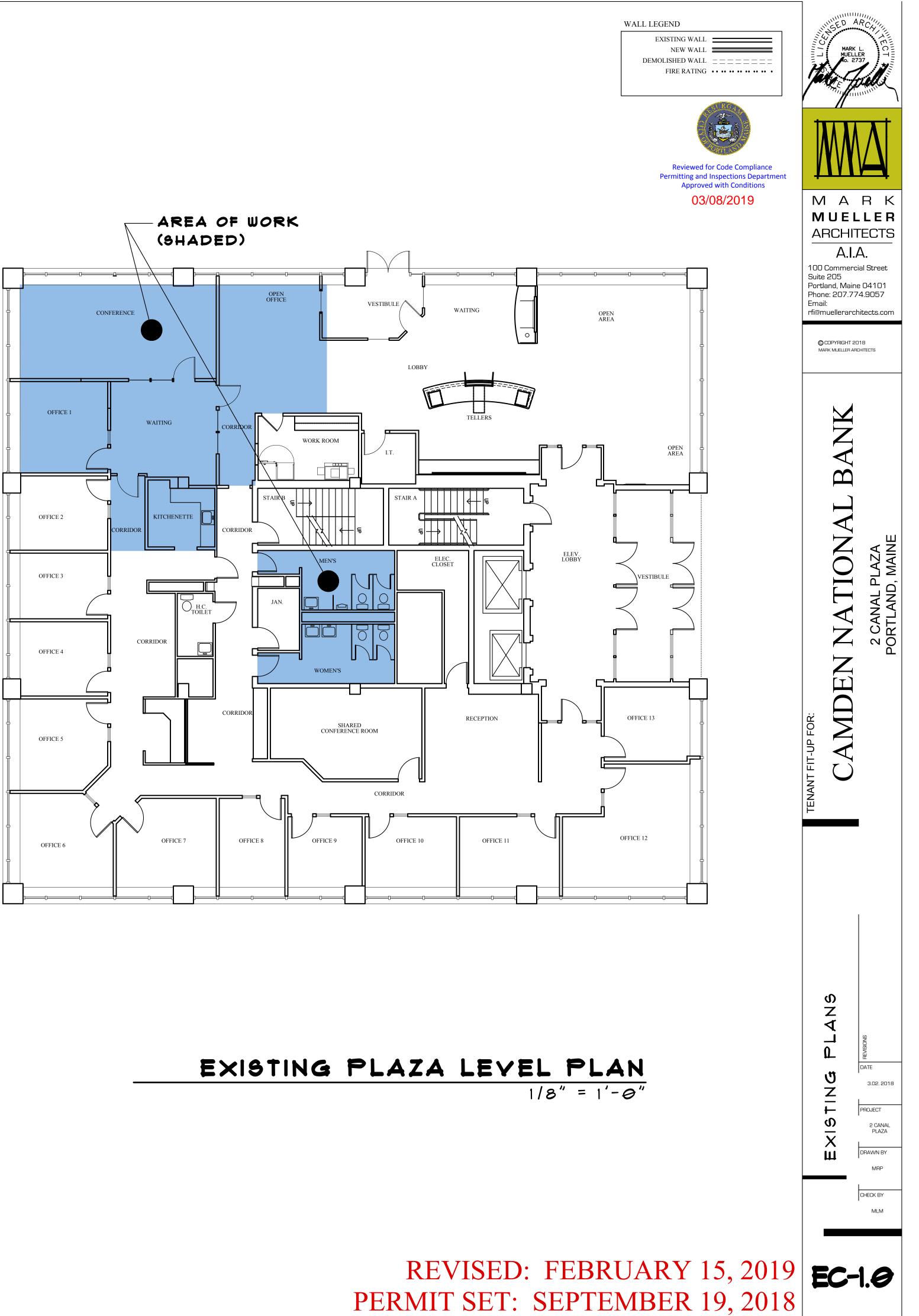
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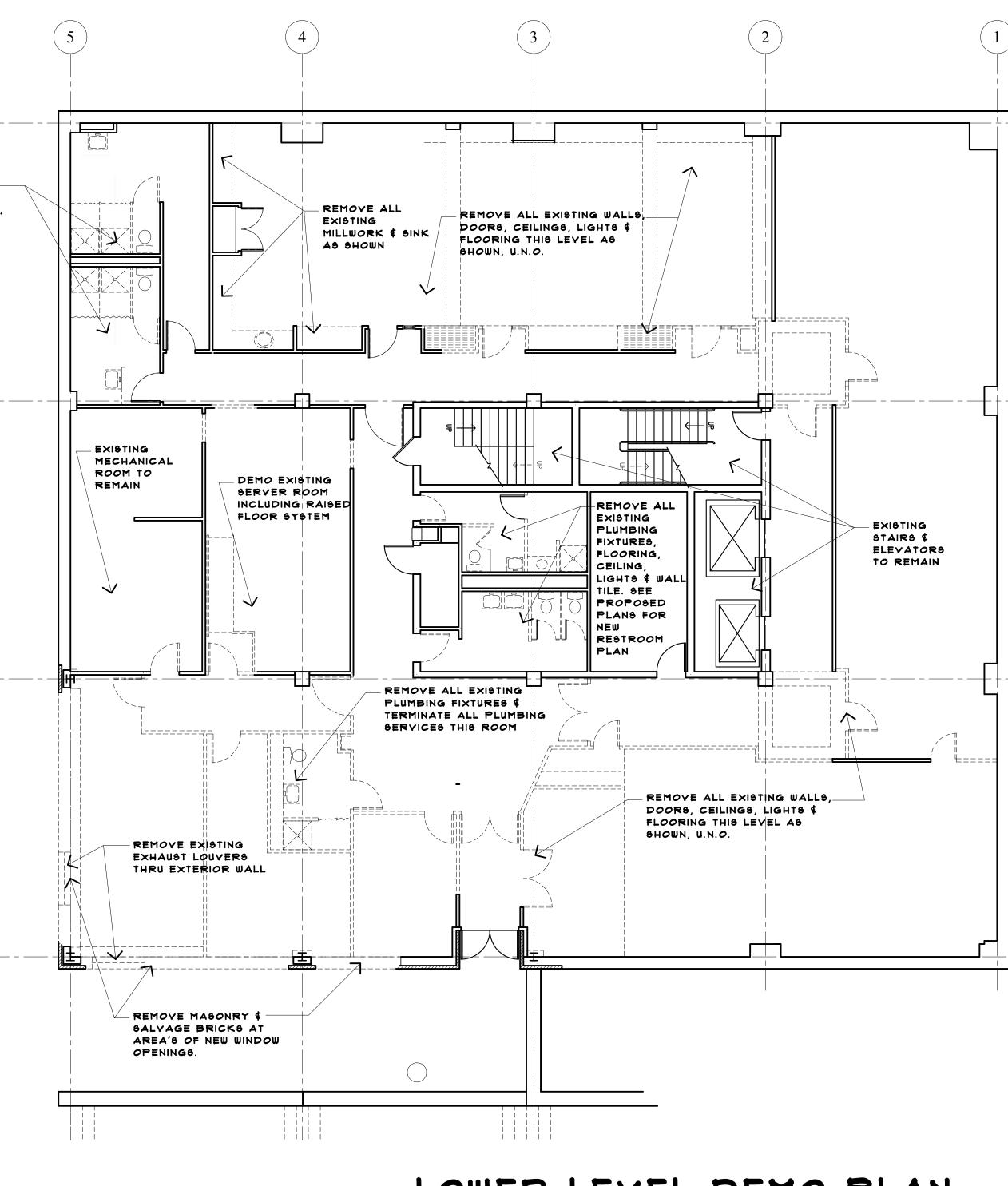
EXISTING LOWER LEVEL PLAN







_____ ┶╼┯┙ REMOVE ALL EXISTING PLUMBING FIXTURES, FLOORING, CEILING, LIGHTS ¢ WALL TILE. SEE PROPOSED PLANS FOR NEW RESTROOM PLAN _____

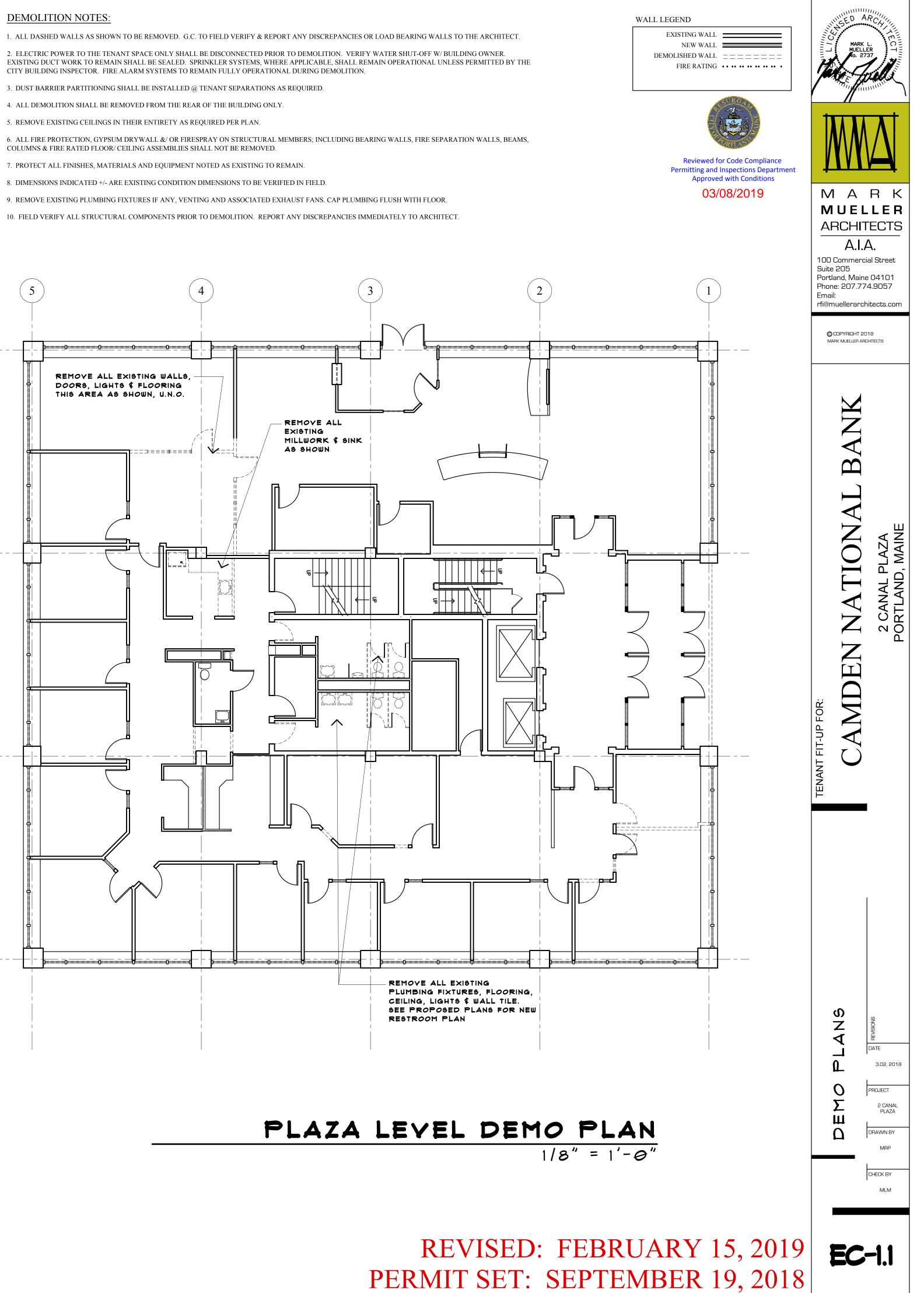






COLUMNS & FIRE RATED FLOOR/ CEILING ASSEMBLIES SHALL NOT BE REMOVED.

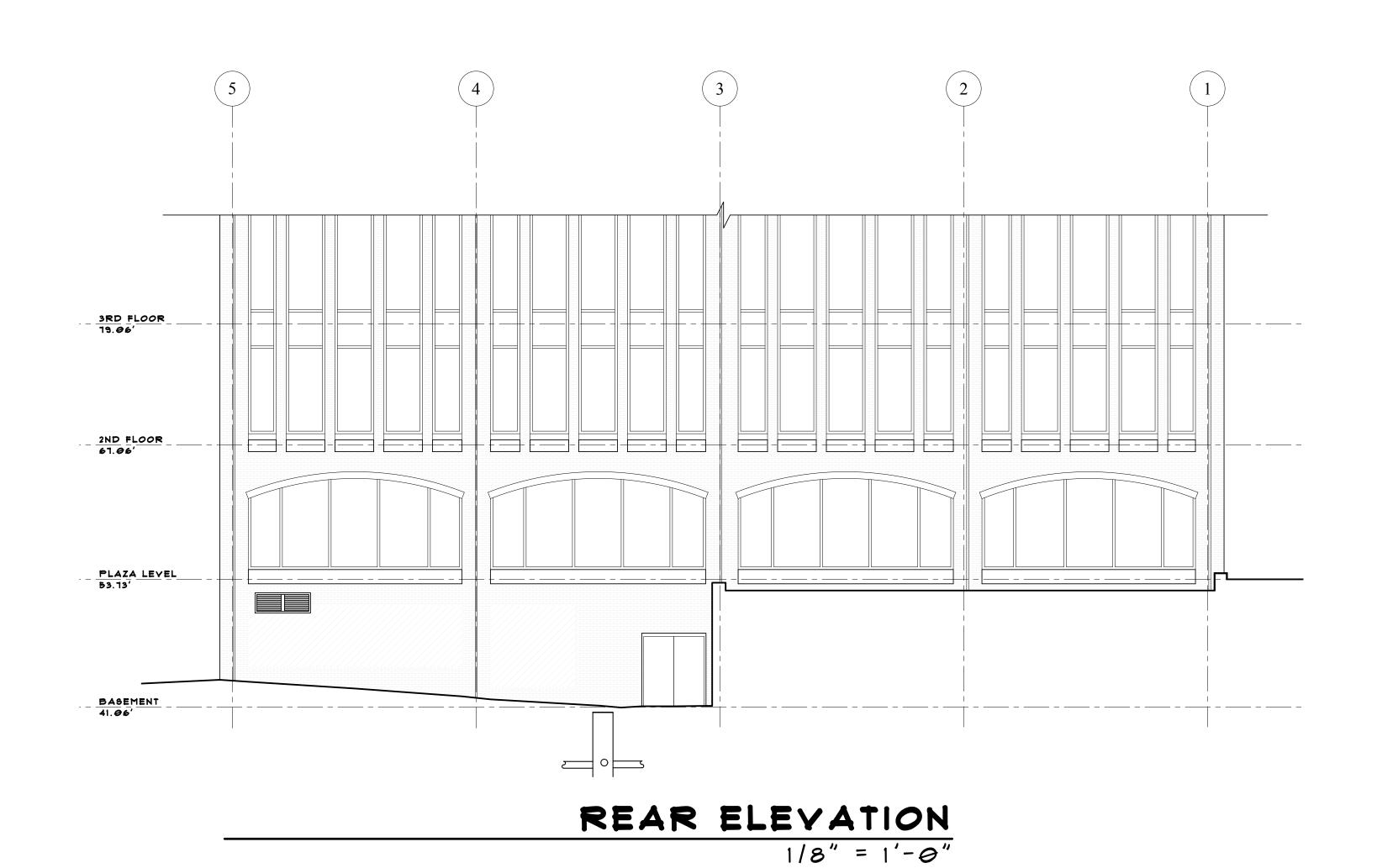
7. PROTECT ALL FINISHES, MATERIALS AND EQUIPMENT NOTED AS EXISTING TO REMAIN.

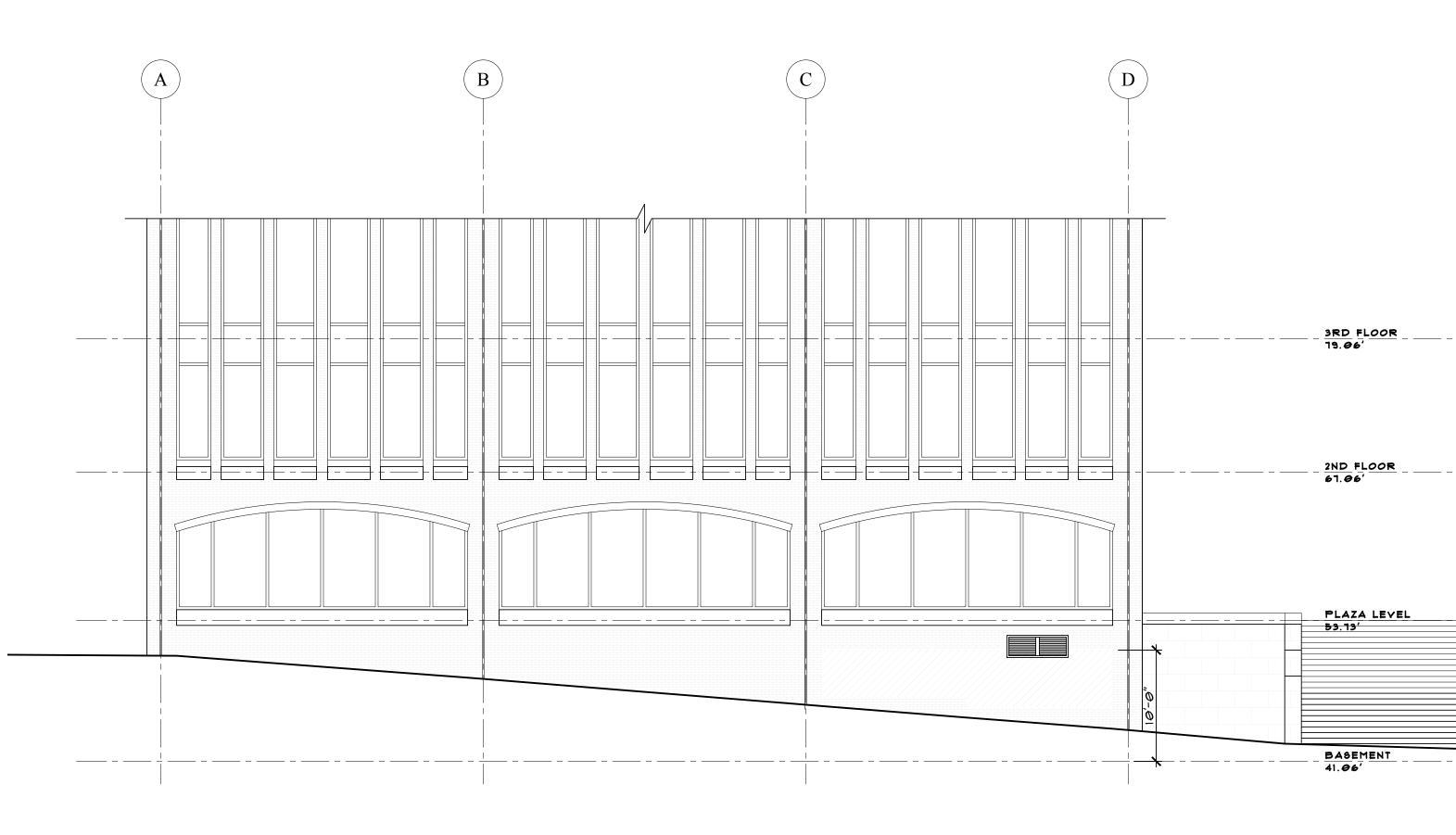


LOWER LEVEL DEMO PLAN 1/8" = 1'-0"

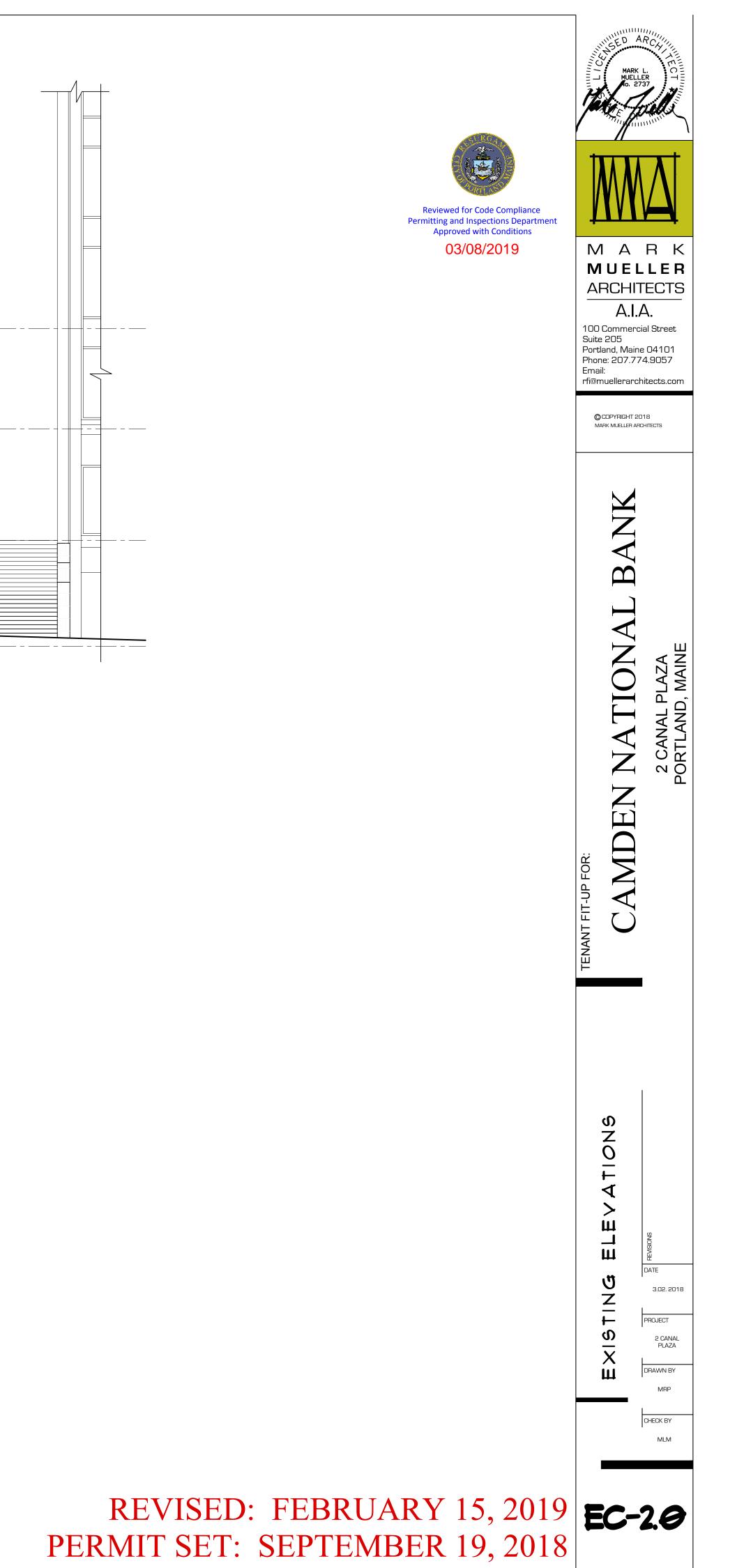


NATIONAL BANK





UNION STREET ELEVATION 1/8'' = 1' - 0''







REMOVE MASONRY \$ SALVAGE BRICKS AT AREA'S OF NEW WINDOW OPENINGS. SEE PROPOSED PLANS \$ ELEVATIONS FOR CONCRETE OPENING DIMENSIONS

PLAZA LEVEL 53.13' REMOVE EXISTING EXHAUST

EXTERIOR WALL

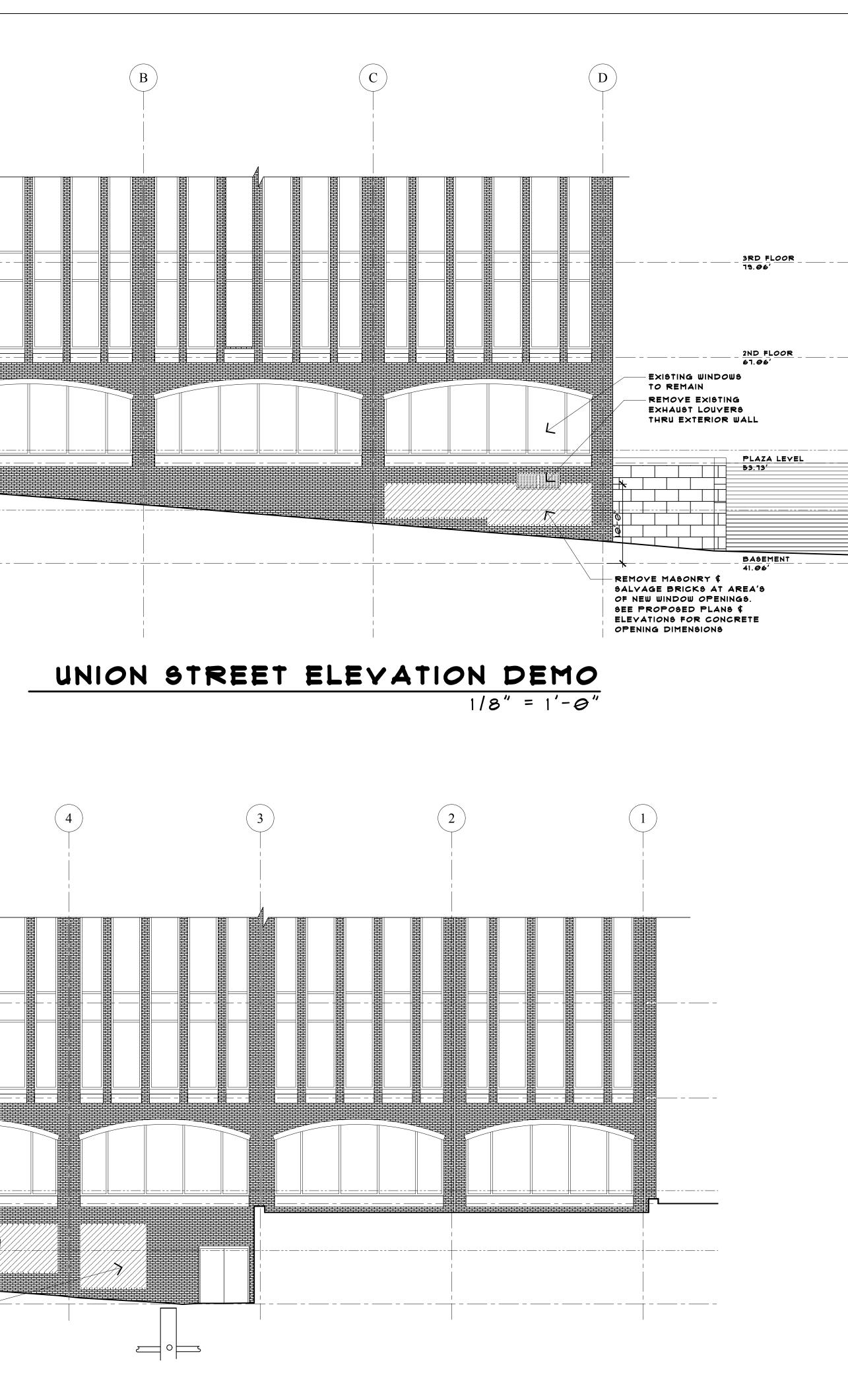
BASEMENT 41.06

2ND FLOOR 61.06' EXISTING — Windows To Remain

3RD FLOOR 19.06

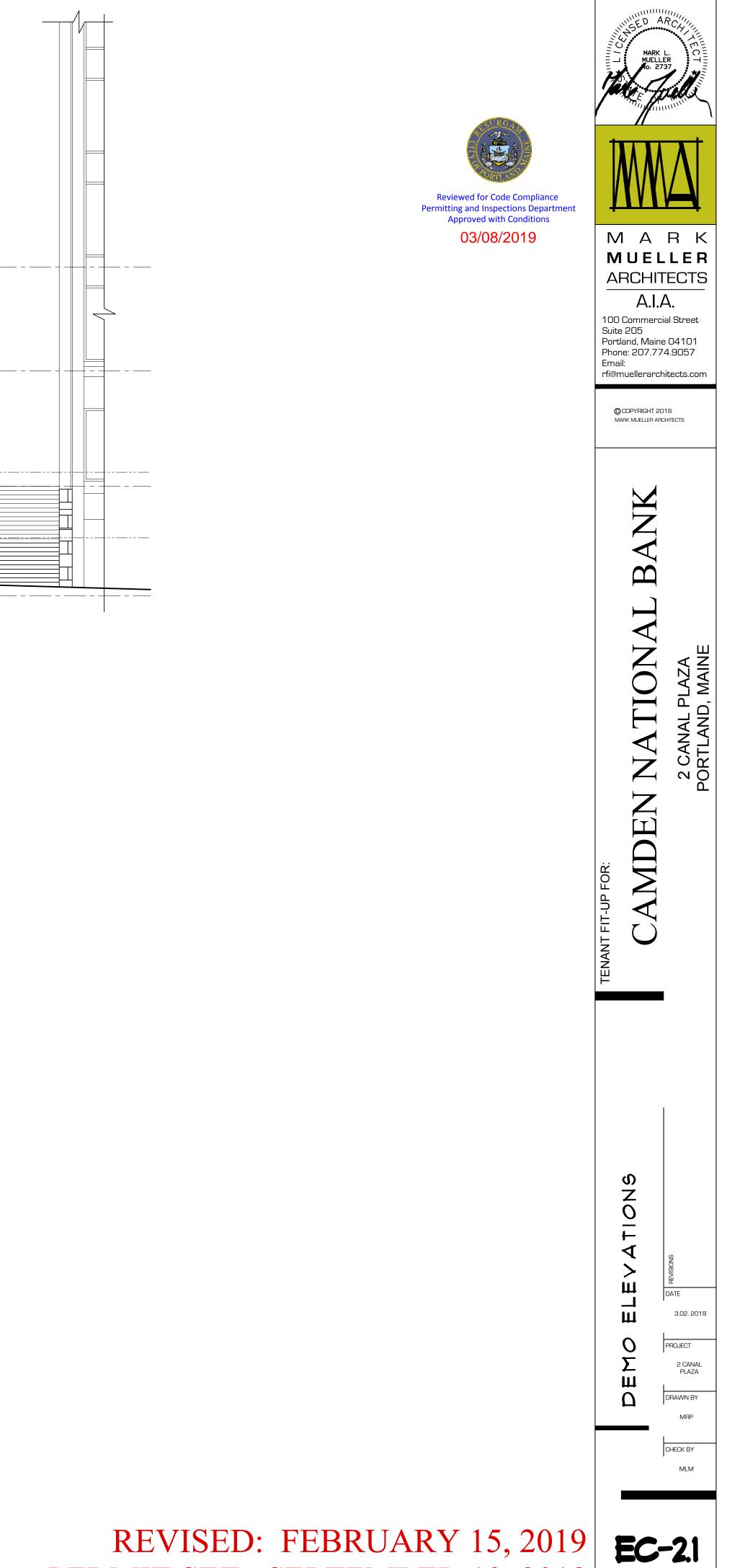
 (\mathbf{A})

(5)



REAR ELEVATION DEMO

1/8" = 1'-0"



PERMIT SET: SEPTEMBER 19, 2018

- (A) NEW WALLS AS SHOWN, 3 5/8" METAL STUD, (I) LAYER 5/8" GWB EACH SIDE TO DECK ABOVE, FULL THICKNESS F'GLASS SOUND BATT INSULATION (NON-RATED).
- B NEW WALLS AS SHOWN, MATCH EXISTING WALL THICKNESS, 5/8" GWB EACH SIDE TO DECK ABOVE (NON-RATED).
- $\langle C \rangle$ NEW SOLID SURFACE COUNTER TOP WITH S.S. BAR SINK, LEVER ADA FAUCET AND WATER FILL STATION. HARDLINE WATER FOR COFFEE MAKER \$ GFI OUTLETS.
- D NEW POWER & DATA FOR WORK STATION, MATCH TENANT STANDARD. NEW POWER, DATA & AIV EQUIPMENT (FLOOR MOUNTED) AT CONFERNCE TABLE LOCATION (Q). G.C. TO PREPARE AS REQUIRED FOR THRU TABLE INSTALLATION
- (CORE! TRENCH AS REQ'D). (F) NEW PLUMBING FIXTURES & PARTITIONS AS SHOWN, MATCH BUILDING STANDARD. ALL BATHROOM EQUIPMENT & ACCESSORIES SHALL MEET ALL ADA
- REQUIREMENTS. $\left< \overline{G} \right>$ New sidelite to match existing.
- $\overleftarrow{(H)}$ wall mounted media box \$ ty blocking (media, data \$ a/y to terminate and 'home run' per tenant standards.
- (I) INSTALL SECURITY ACCESS POINT TO LOWER LEVEL AT ELEVATOR CAB FOR 'CAMDEN NATIONAL BANK' (CNB) EMPLOYEES ONLY, USE CNB SECURITY STANDARD.
- J NEW WALLS AS SHOWN, 3 5/8" METAL STUD, (2) LAYERS 5/8" FIRE CODE GWB EACH SIDE TO DECK ABOVE, FULL THICKNESS F'GLASS SOUND BATT INSULATION (2 HR RATED).
- K EXISTING 2 HR FIRE RATED WALL SYSTEM TO REMAIN, G.C. TO FIELD VERIFY COMPLIANCE.
- L (4) 36"×84" 90 MIN. FIRE RATED GLAZING 919TEM BY 'TGP FIRE GLA98'. GLAZING 9HALL BE FIRELITE PLU9

90 MIN. (H09E TE9T RATED) \$ FRAME9 9HALL BE 'FIREFRAME9 DE9IGNER 9ERIE9'. NO ALTERNATE.

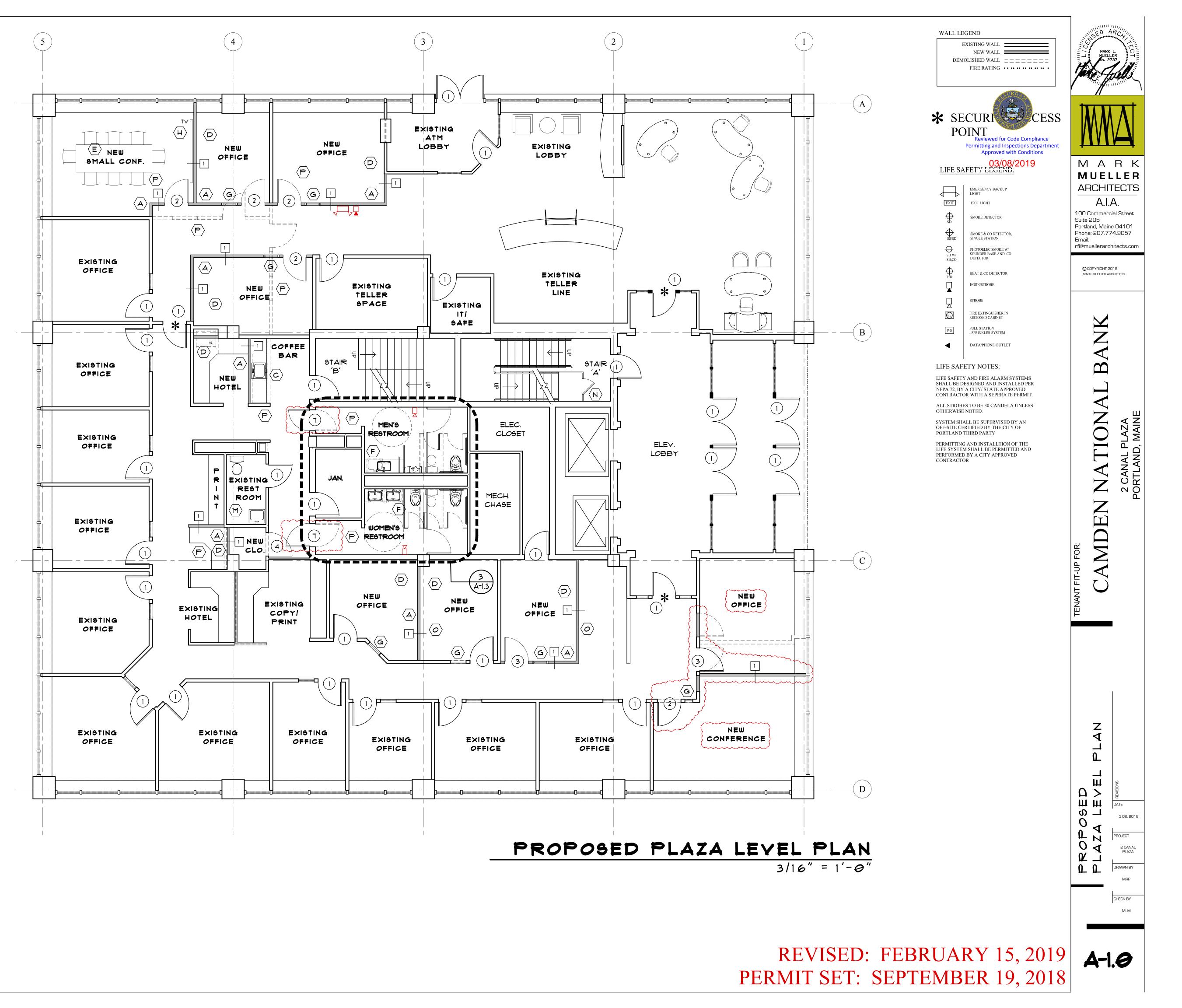
- $\langle M \rangle$ Existing to remain, no work.
- (N) 42" HIGH GUARD RAIL SYSTEM W/ ACCESS GATE, NO LOCKING HARDWARE, CLOSER ONLY, INCLUDE SIGNAGE 'NO EXIT - EMPLOYEES ONLY'. (GATE IS TO PREVENT OCCUPANTS FROM EGRESSING THROUGH LOWER LEVEL. PERMITTED EGRESS IS AT PLAZA LEVEL THROUGH LOBBY).
- CEILING GRID TO REMAIN, NEW LIGHTS TO MATCH EXISTING, NEW WALLS TO UNDERSIDE OF CEILING GRID SYSTEM.
- (P) NEW CEILING GRID \$ TILES THIS AREA AS REQUIRED PER NEW PLAN.
 (Q) EXISTING REQUIRED 2 HOUR FIRE RATED FLOOR! CEILING ASSEMBLY AT EGRESS
 CORRIDOR TO REMAIN, NEW 2 HOUR WALLS SHALL EXTEND TO THE UNDERSIDE OF
 FLOOR DECK.

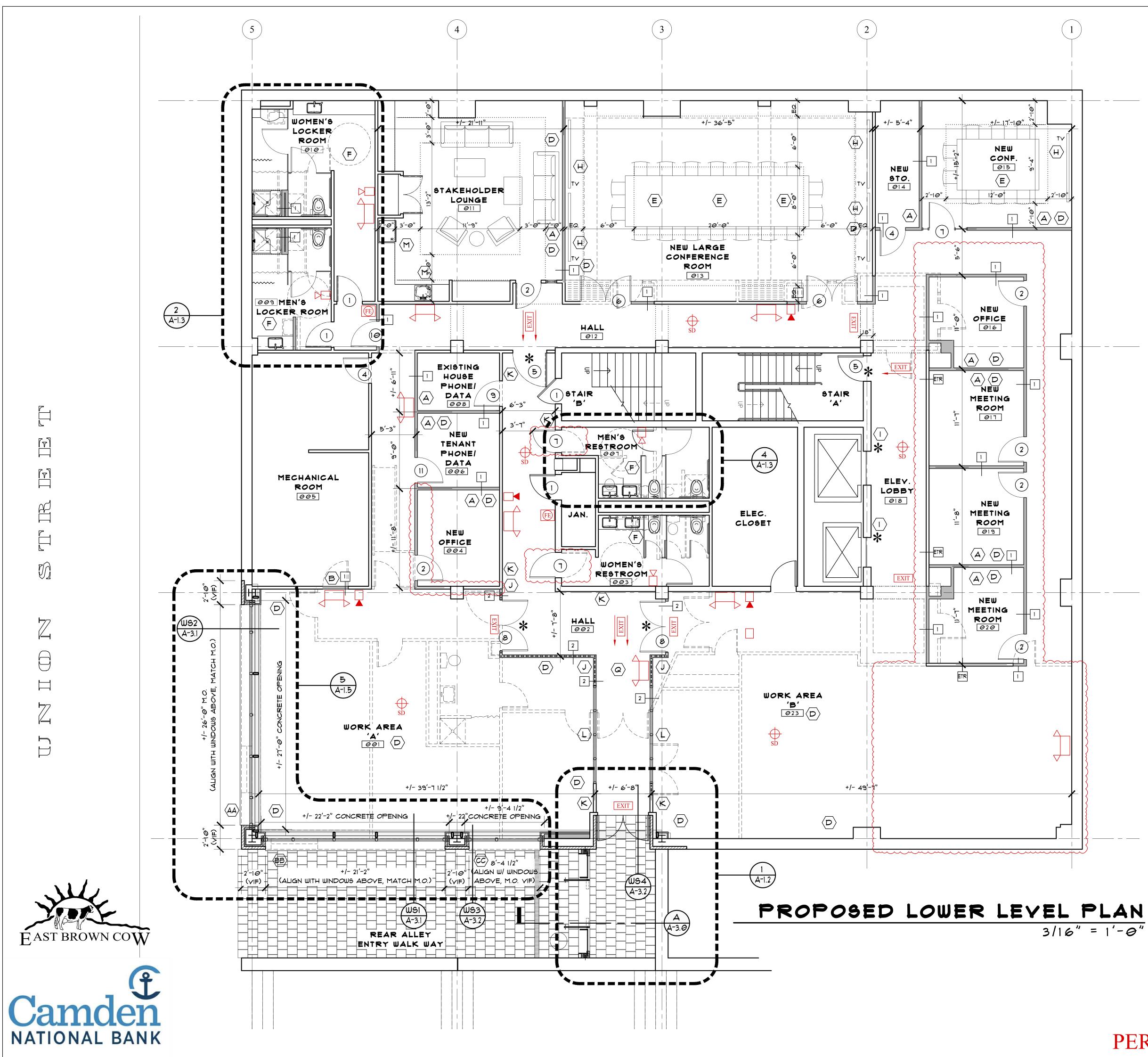
DOOR NOTES

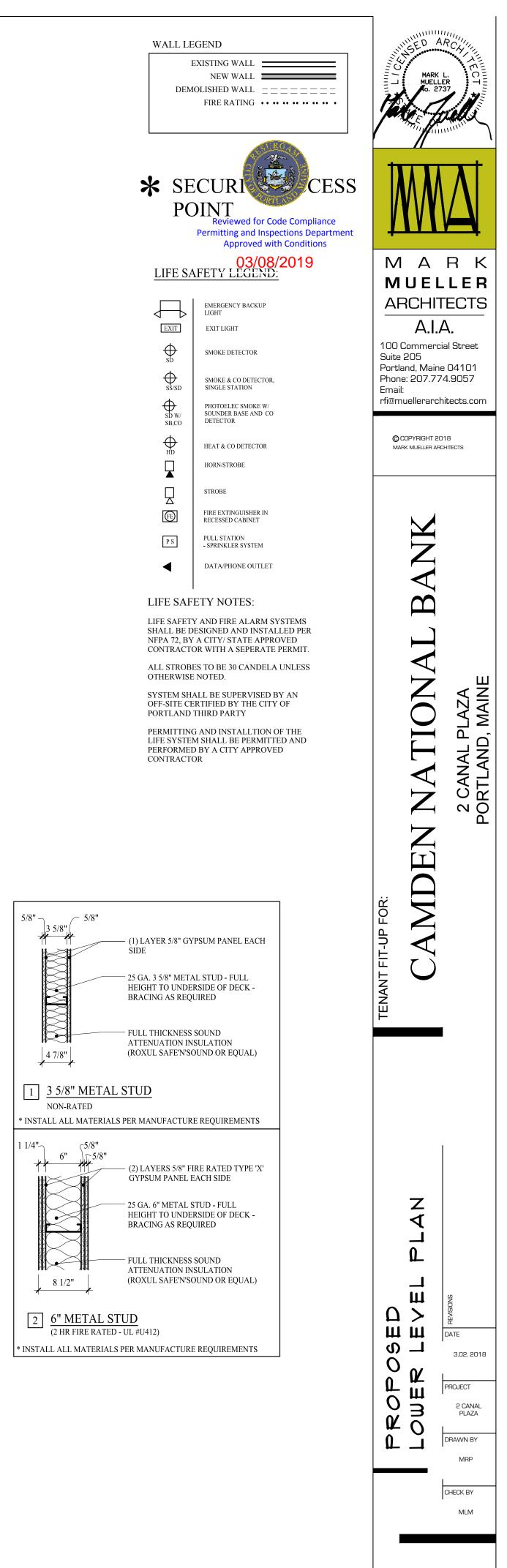
- $\stackrel{\smile}{(2)}$ NEW 36"×84" FULL LITE WOOD DOOR TO MATCH EXISTING
- LEVER HANDLE, NON-RATED
- (3) NEW 36"×84" HALF LITE WOOD DOOR TO MATCH EXISTING LEVER HANDLE, NON-RATED
- (4) NEW 36"×84" SOLID WOOD DOOR TO MATCH EXISTING
- LEVER HANDLE, LATCH, CLOSER, NON-RATED
- (5) EXISTING DOOR TO REMAIN, INSTALL NEW DOOR SECURITY (TENANT STANDARD), PROVIDE RE-ENTRY AS REQUIRED BY CODE.
- (6) NEW 36"×84" FULL LITE DOUBLE WOOD DOOR TO MATCH EXISTING
- 24" PUSH/PULL HANDLES, CLOSERS, PRIVACY WINDOW FILM, NON-RATED RELOCATED DOOR FROM OPPOSITE RESTROOM. MODIFY FRAME AS REQUIRED, MATCH EXISTING FIRE RATING
- 8 NEW DOUBLE 36"x84" 30 MIN. FULL LITE FIRE RATED DOOR SYSTEM BY 'TGP FIRE GLASS'. GLAZING SHALL BE FIRELITE PLUS 30 MIN. (HOSE TEST RATED) \$ FRAMES SHALL BE 'FIREFRAMES DESIGNER SERIES'. NO ALTERNATE. PROVIDE TENANT STANDARD SECURITY ACCESS CONTROL.
- (9) NEW 36"X84" SOLID WOOD DOOR TO MATCH EXISTING
- LEVER HANDLE, LATCH, CLOSER, SØ MIN. RATED
- NEW 36"×84" SOLID WOOD DOOR TO MATCH EXISTING
- PUSH/ PULL, CLOSER, NON-RATED
- II NEW 36"X84" SOLID WOOD DOOR TO MATCH EXISTING
- LEVER HANDLE, LATCH, CLOSER, NON-RATED, DOOR SECURITY PER TENANT ATANDARD





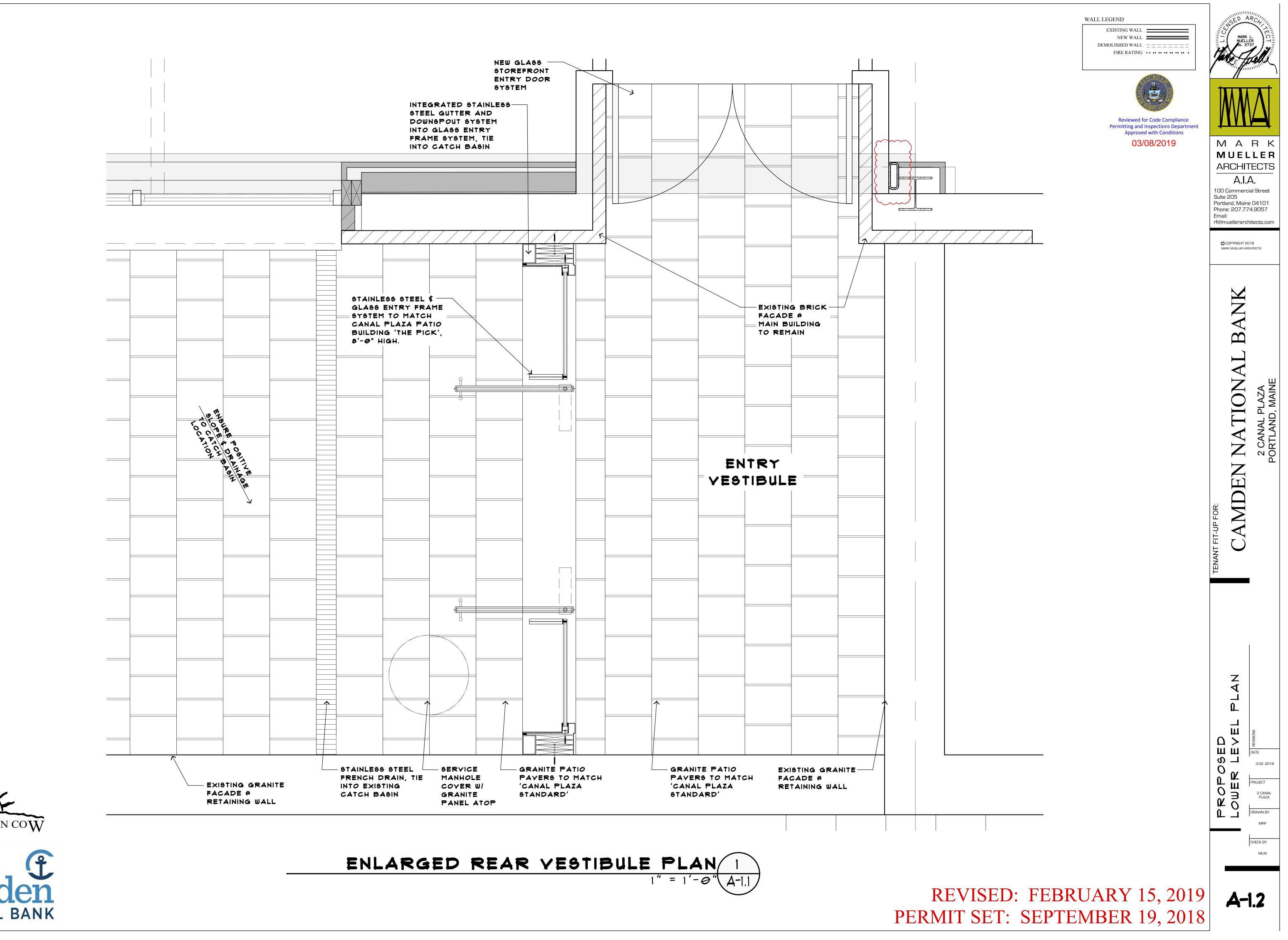






REVISED: FEBRUARY 15, 2019 PERMIT SET: SEPTEMBER 19, 2018

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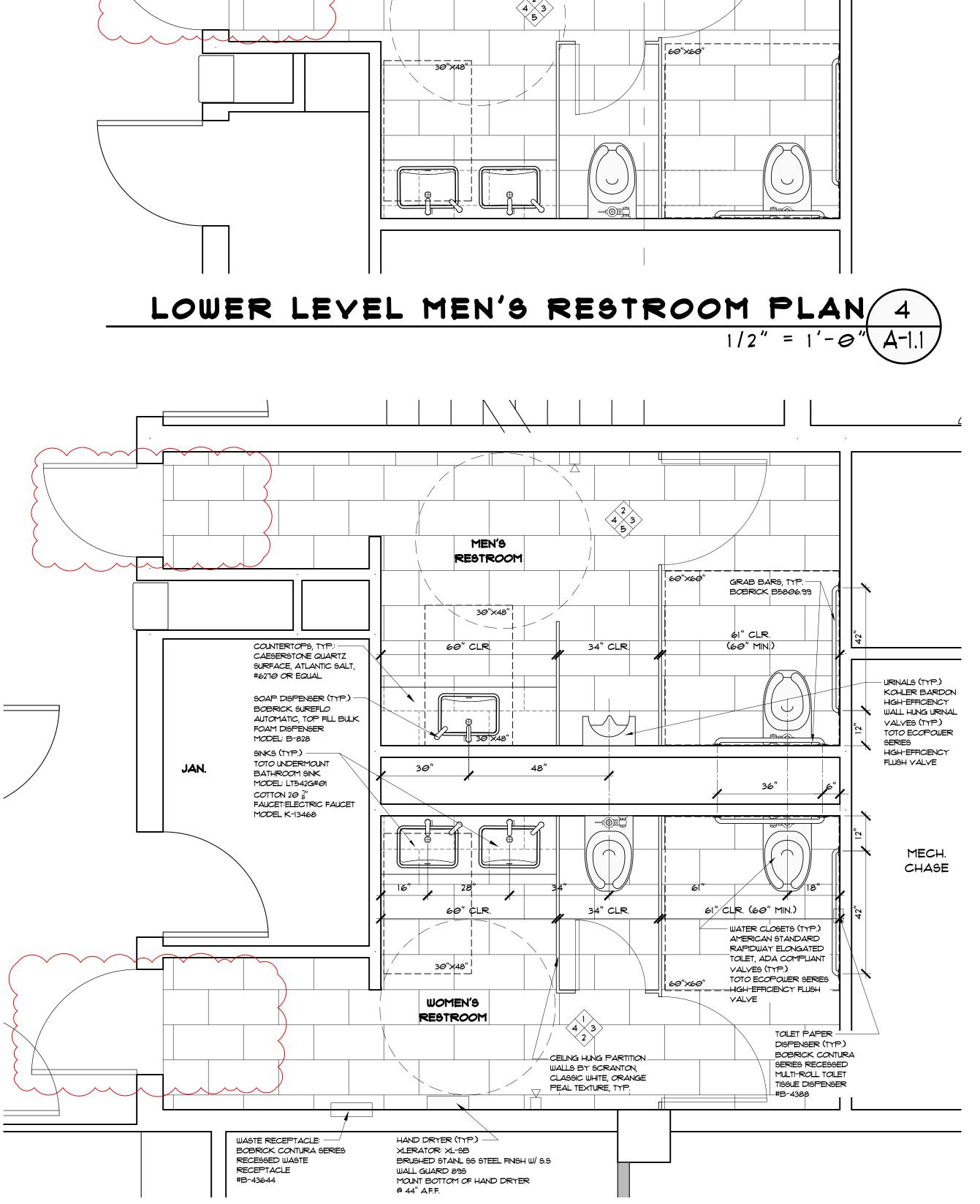


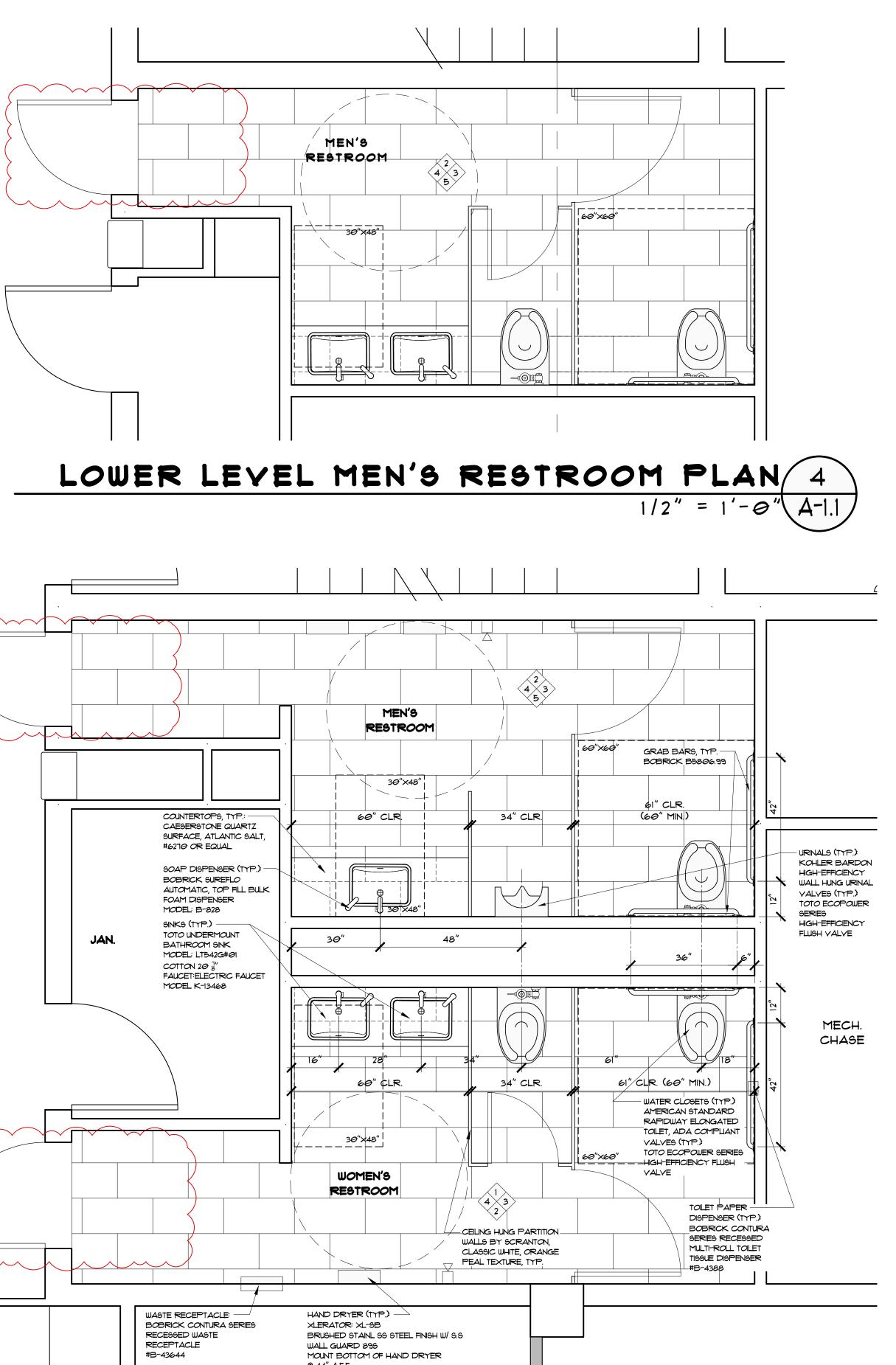


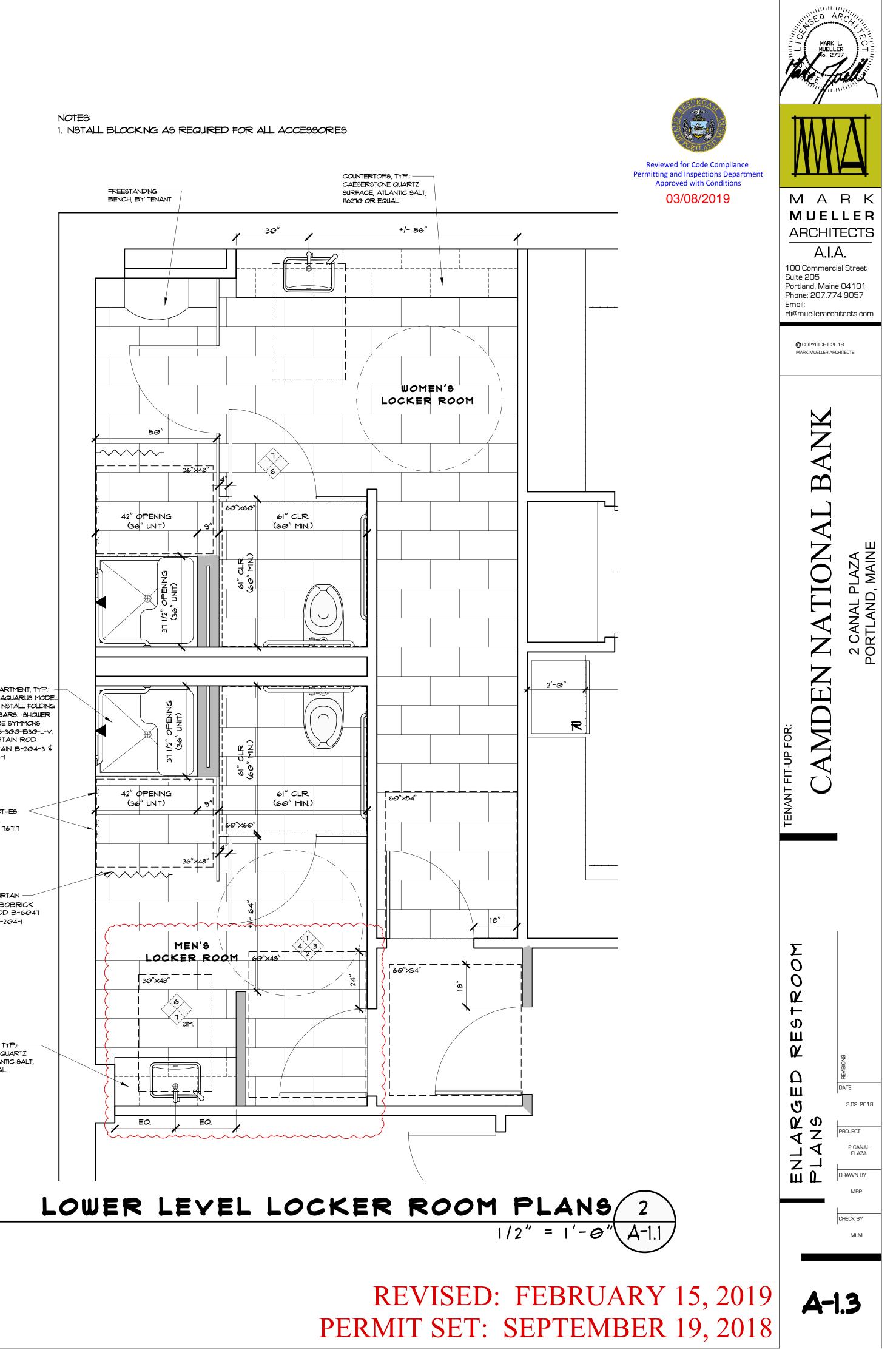


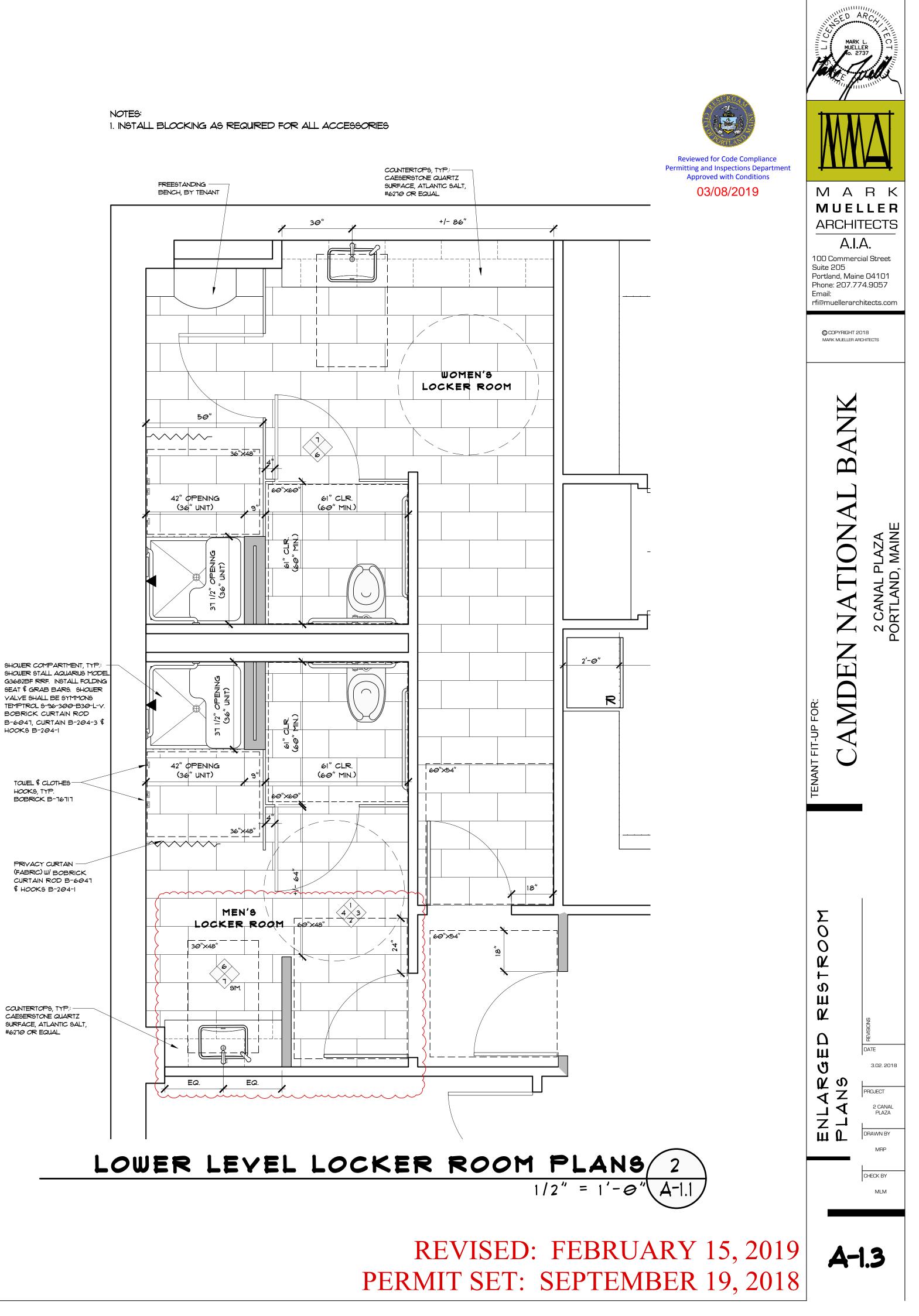






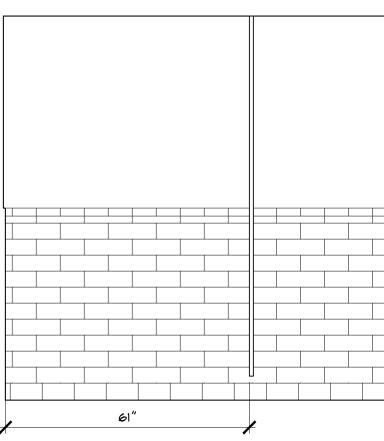


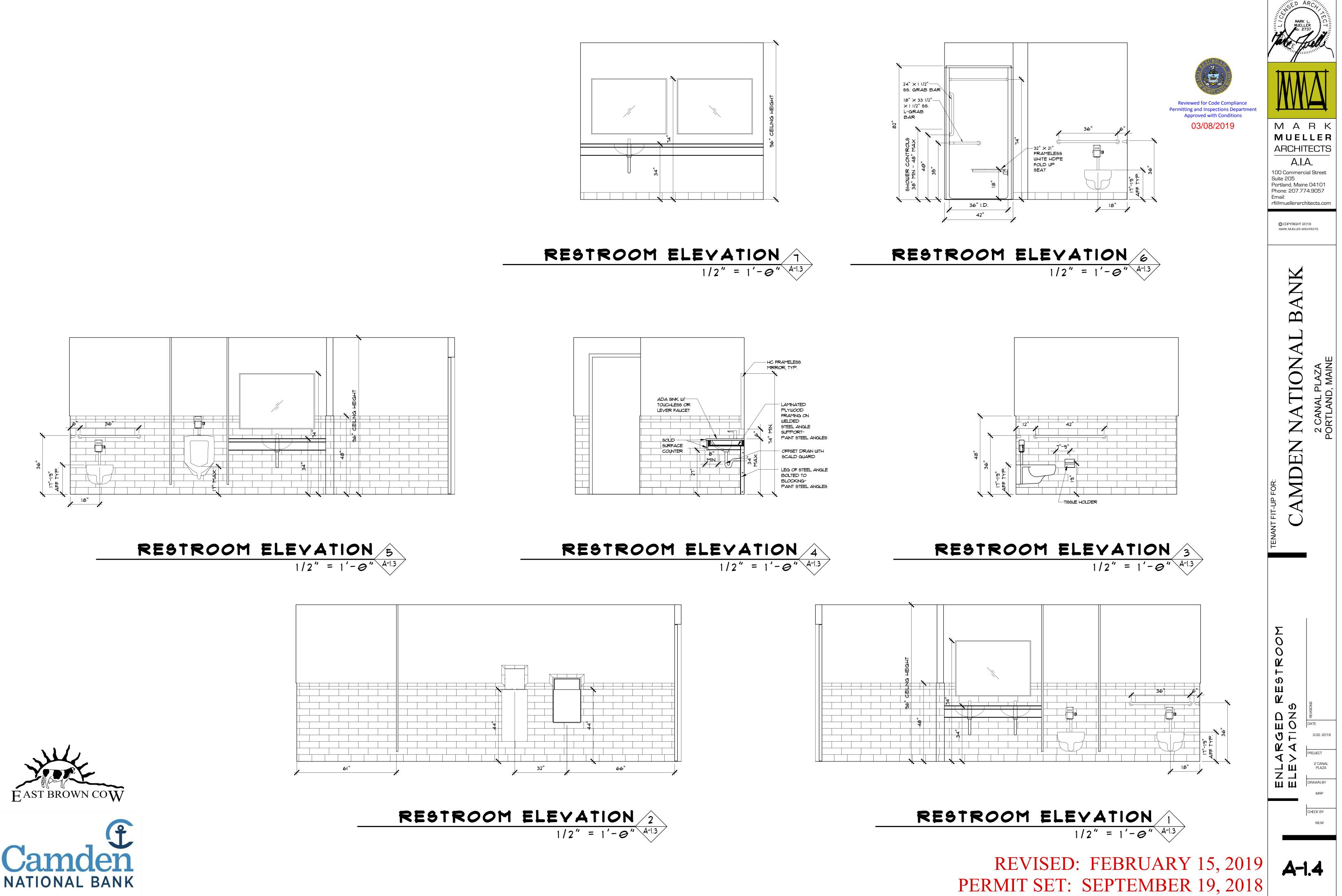




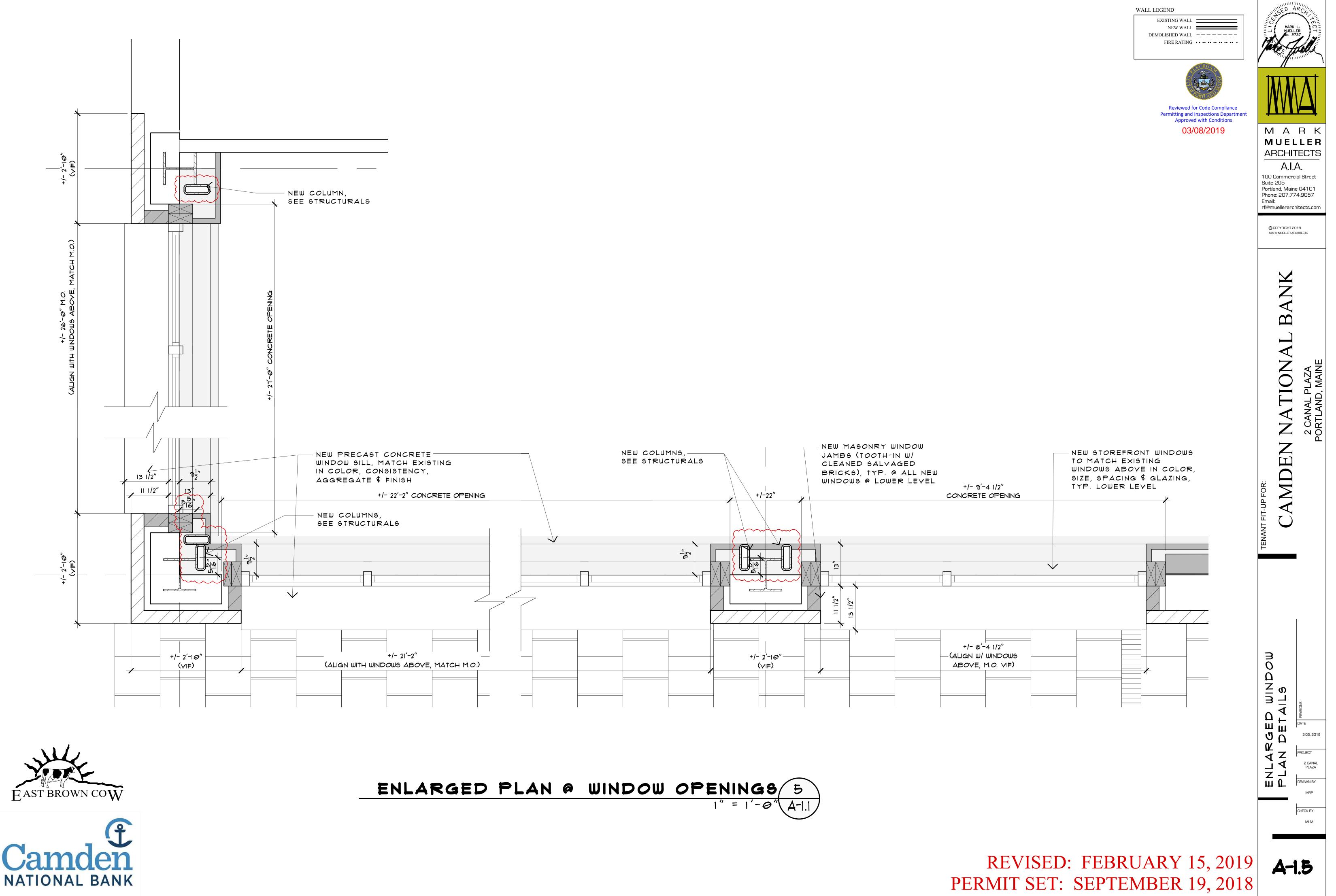








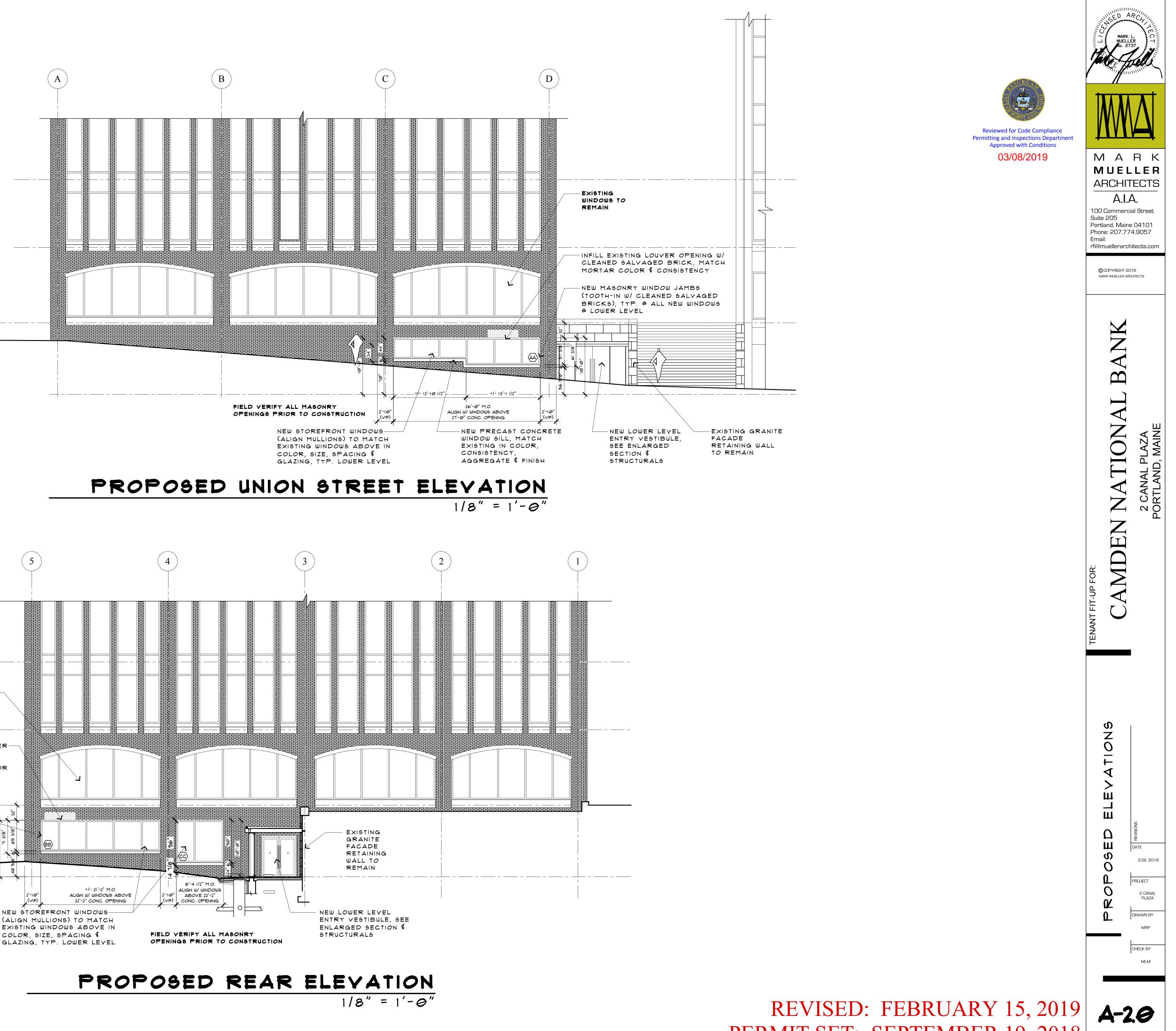


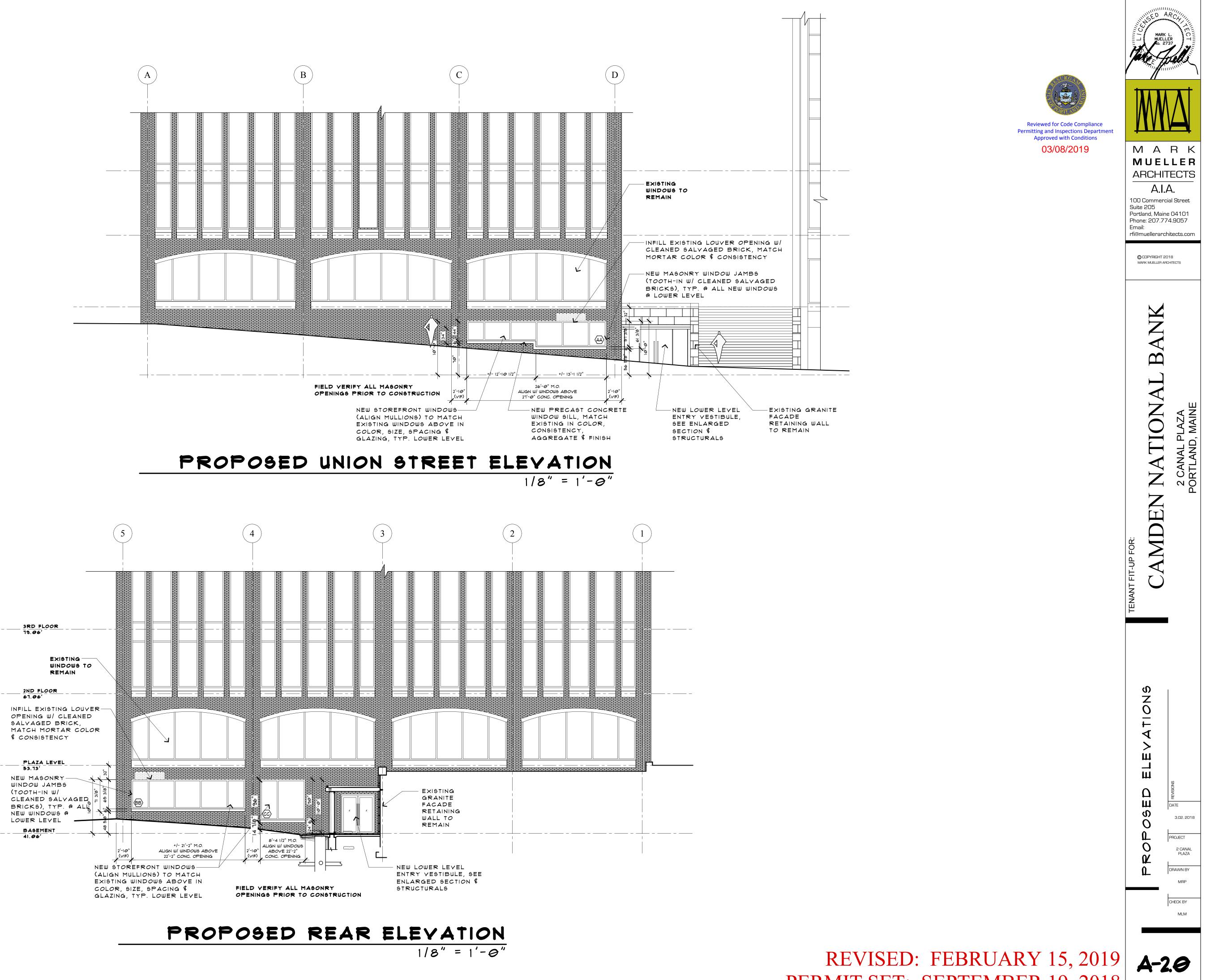


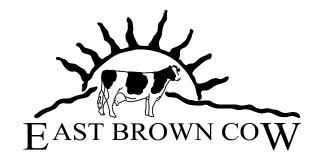








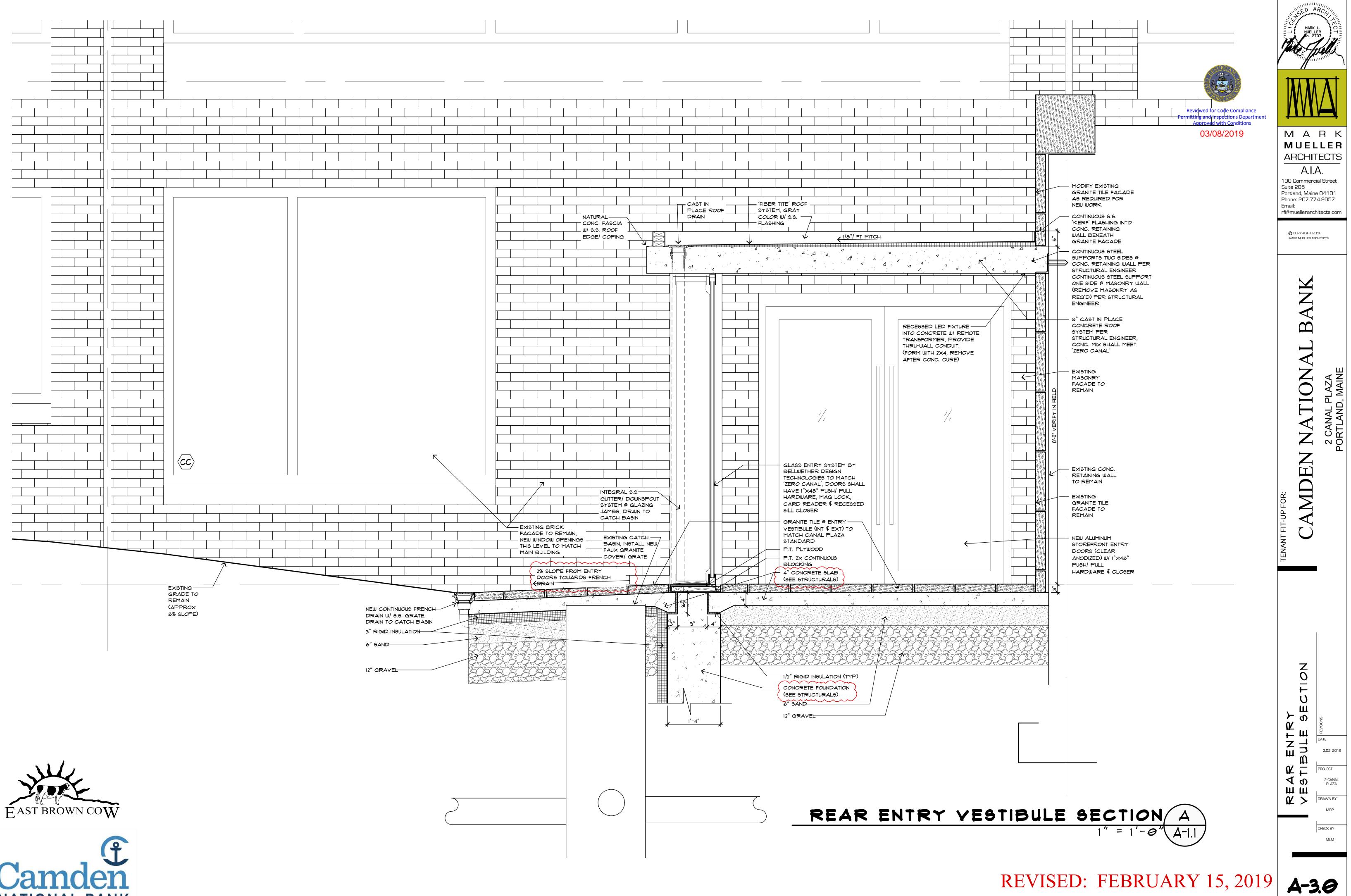








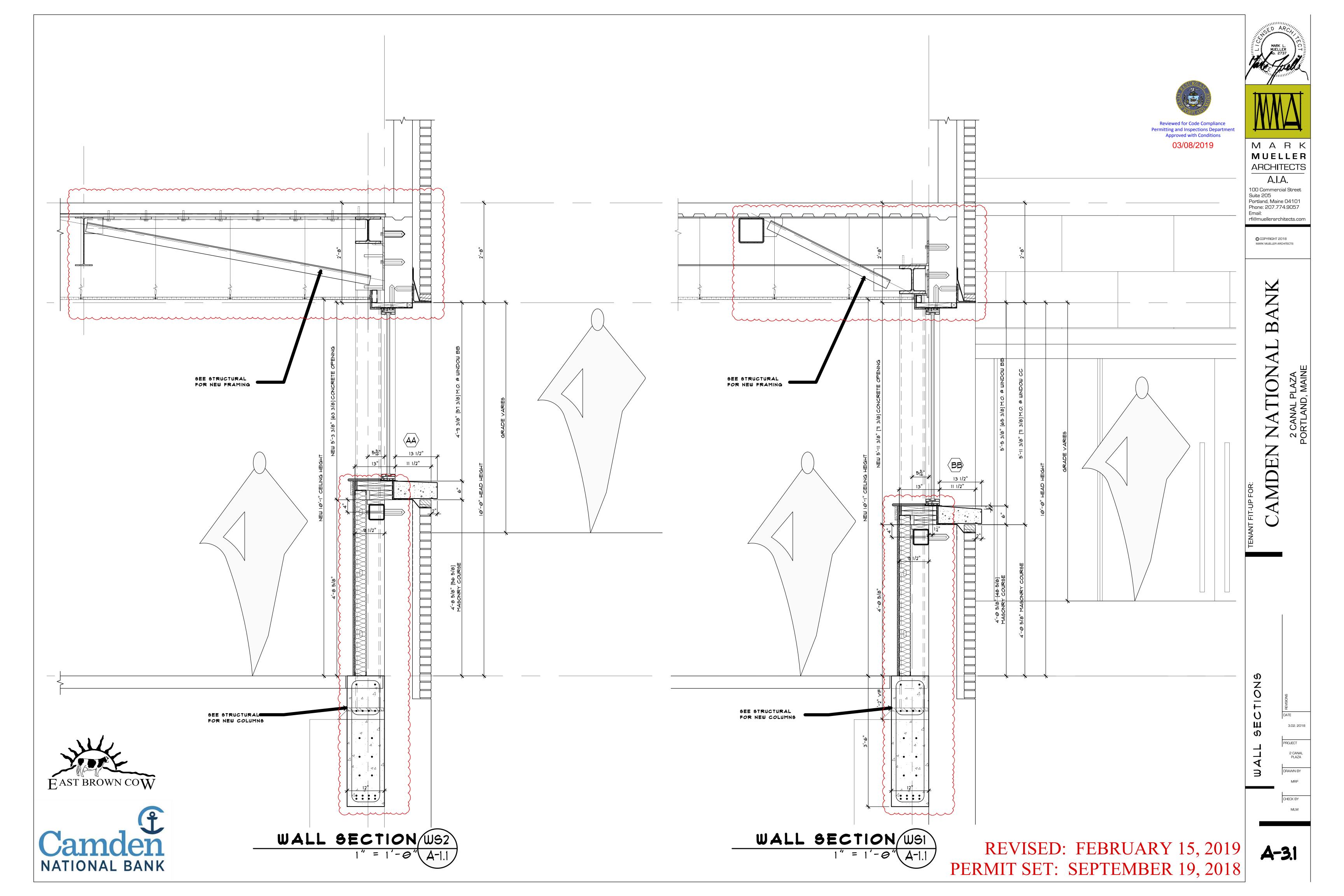
PERMIT SET: SEPTEMBER 19, 2018

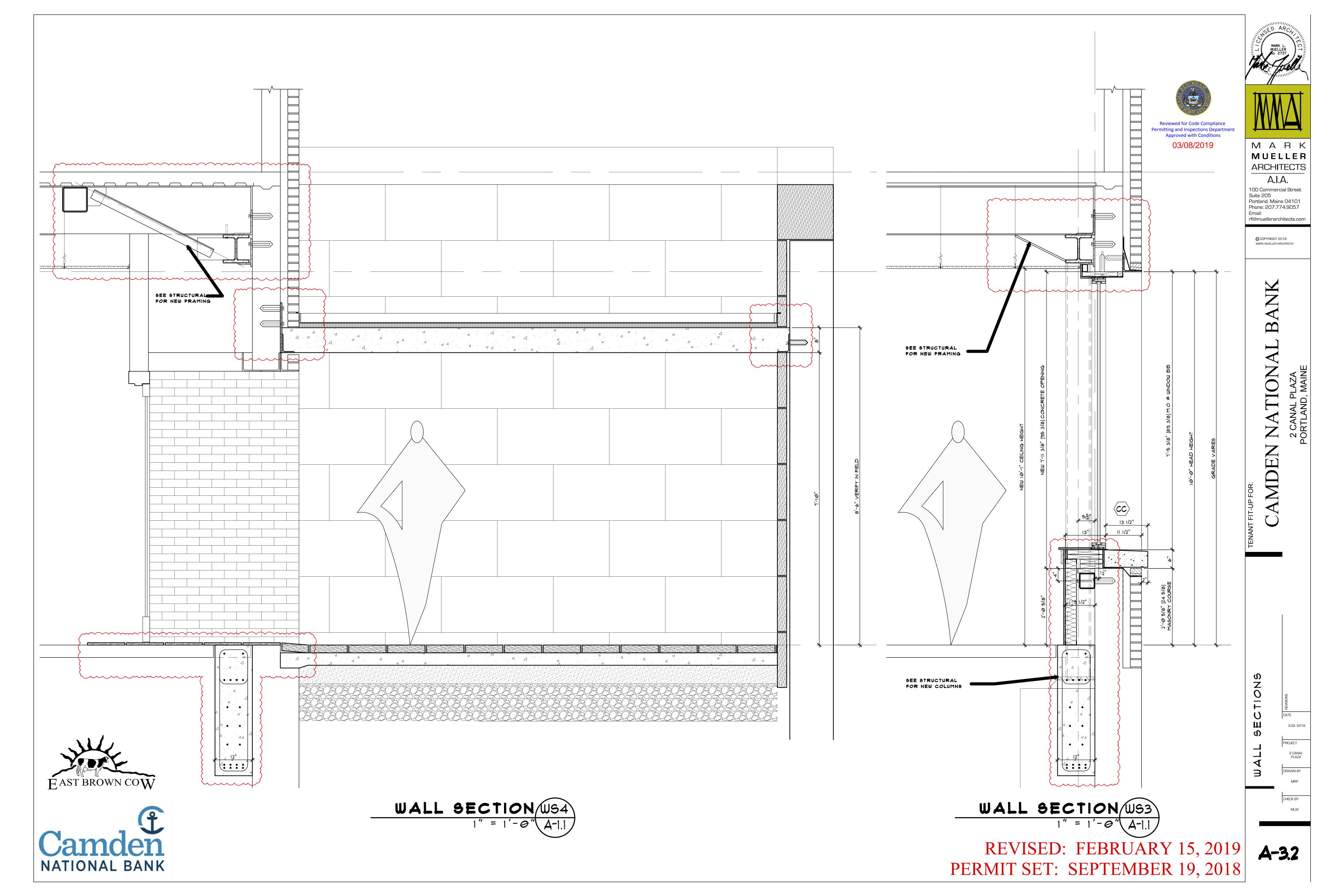






PERMIT SET: SEPTEMBER 19, 2018





GENERAL NOTES:

- 1. THE NOTES ON THE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. IN ADDITION TO GENERAL NOTES, SEE SPECIFICATIONS FOR REQUIREMENTS
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT, OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 3. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- 4. DO NOT SCALE PLANS.
- 5. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.
- 6. ALL PROPRIETARY PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.
- 7. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE ERECTION IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCING TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- 8. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

DESIGN LOADS:

- 1. BUILDING CODE: IBC (2015) INTERNATIONAL BUILDING CODE.
- 2. DESIGN LIVE LOADS: (GROUND SNOW LOAD = 60 PSF) ROOF... . 40 PSF + DRIFT AS APPLICABLE ..50 PSF (+20 PSF PARTITION) OFFICE .. COMMON AREAS AND CORRIDORS. 100 PSF CORRIDORS ABOVE FIRST FLOOR ... 80 PSF STAIRS & EXIT WAYS 100 PSF
- 3. DESIGN WIND LOADS ARE BASED ON EXPOSURE C USING 100 MPH BASIC WIND SPEED.
- 4. SEISMIC DESIGN UTILIZES ANALYSIS PROCEDURE SHALL BE EQUIVALENT LATERAL FORCE PROCEDURE PER IBC 2015.

FOUNDATION NOTES:

- 1. ALL EXISTING FOOTINGS AND PIERS ARE ASSUME TO BEAR ON SOUND ROCK CAPABLE OF SUPPORTING A SUPERIMPOSED LOAD OF 10 TONS PER SQUARE FOOT.
- 2. SLABS ON GRADE SHALL BEAR ON A MINIMUM OF 12" OF COMPACTED STRUCTURAL FILL OR COMPACTED 3/8" CRUSHED STONE. IF LOOSE OR UNDESIRABLE FILLS ARE ENCOUNTERED AT THE SLAB SUBGRADE LEVEL, THEY SHALL BE OVER EXCAVATED TO THE SURFACE OF THE NATURAL SOIL AND REPLACED WITH STRUCTURAL FILL. REFER TO DRAWINGS AND SPECIFICATIONS FOR VAPOR BARRIER REQUIREMENTS. MOIST CURE SLABS IN ACCORDANCE WITH ACI.
- 3. STRUCTURAL FILL SHALL BE USED AT ALL LOCATIONS BELOW SLABS. PRIOR TO PLACEMENT OF STRUCTURAL FILL, REMOVE ALL TOPSOIL AND OTHER UNSUITABLE MATERIAL. COMPACTED STRUCTURAL FILL SHALL CONSIST OF CLEAN GRANULAR MATERIAL FREE OF ORGANICS, LOAM, TRASH, SNOW, ICE, FROZEN SOIL OR ANY OTHER OBJECTIONABLE MATERIAL. IT SHALL BE WELL GRADED WITHIN THE FOLLOWING LIMITS:

SCREEN OR	PERCENT FINER BY	
SIEVE SIZE	WEIGHT	
6 INCH	100	
3 INCH	70-100	
NO. 4	35-70	
NO. 40	5-35	
NO. 200	0-5	

4. STRUCTURAL FILL (OR 3/8" CRUSHED STONE) BENEATH SLABS SHALL BE PLACED IN LAYERS NOT EXCEEDING 6 INCHES IN LOOSE MEASURE AND COMPACTED BY SELF-PROPELLED COMPACTION EQUIPMENT AT APPROXIMATE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY OF AT LEAST 95% OF THE MAXIMUM IN PLACE DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557). FOR STRUCTURAL FILL OR 100% OF THE RODDED UNIT WEIGHT AS DETERMINED BY ASTM C-29 FOR 3/8" CRUSHED STONE.

CONCRETE NOTES:

- 1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-LATEST EDITION.
- 2. CONCRETE STRENGTH AT 28 DAYS SHALL BE 4000 PSI FOR ALL SLABS ON GRADE.
- 3. ALL CONCRETE SHALL BE AIR ENTRAINED 4% TO 6% PER
- THE SPECIFICATIONS.
- 4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
- 5. CONCRETE MATERIALS:
 - A. PORTLAND CEMENT: ASTM C 150, TYPE I OR TYPE II UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT. USE ONE BRAND OF CEMENT THROUGHOUT PROJECT, UNLESS OTHERWISE ACCEPTABLE TO ARCHITECT.
 - B. NORMAL WEIGHT AGGREGATES: ASTM C 33. PROVIDE FROM A SINGLE SOURCE FOR EXPOSED CONCRETE. DO NOT USE AGGREGATES CONTAINING SOLUBLE SALTS OR OTHER SUBSTANCES SUCH AS IRON SULFIDES, PYRITE, MARCASITE, OR OCHRE WHICH CAN CAUSE STAINS ON EXPOSED CONCRETE SURFACES.
 - C. LIGHT WEIGHT AGGREGATES: ASTM C 330.
 - D. WATER: POTABLE.
- E. AIR-ENTRAINING ADMIXTURE: ASTM C 260.
- F. HIGH-RANGE WATER-REDUCING ADMIXTURE (SUPER PLASTICIZER): ASTM C 494, TYPE F OR TYPE G CONTAINING NOT MORE THAN 1% CHLORIDE IONS. 1. FIBER REINFORCEMENT SHALL BE ADDED AND DISTRIBUTED
- PRIOR TO INCORPORATION OF SUPER PLASTICIZER.
- G. NORMAL RANGE WATER REDUCING ADMIXTURE: ASTM C 494 TYPE A
- CONTAINING NO CALCIUM CHLORIDE.
- H. ACCELERATING ADMIXTURE: ASTM C 494 TYPE C OR E. I. CALCIUM CHLORIDE NOT PERMITTED.
- 6. PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH CONCRETE SLABS.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 7. DEFORMED BARS, AND SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI 315-LATEST EDITION.
- 8. WELDED WIRE FABRIC SHALL BE PROVIDED IN FLAT SHEETS.
- 9. FIBER REINFORCED CONCRETE SHALL CONFORM TO ASTM C-1116.
- 10. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318. SPLICES OF WWF SHALL BE 6" MINIMUM.
- 11. CONCRETE FINISHES: • SLABS: STEEL TROWEL AND LIGHT BROOM (NON-SLIP)
- 12. ANCHOR BOLTS SHALL CONFORM TO ASTM A36 HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE ON PLAN.
- 13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF DOOR BONDOUT LOCATIONS, SLAB DEPRESSION & OTHER REQUIRED BONDOUTS. COORDINATE LOCATION OF BONDOUTS WITH ARCHITECTURAL. MECHANICAL & PLUMBING. ELECTRICAL EQUIPMENT VENDORS AS NECESSARY TO PROPERLY INSTALL EACH SPECIFIC ITEM.

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL"-NINTH EDITION.
- 2. STRUCTURAL STEEL:
- A) STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 OR ASTM A992 (Fy=50KSI) B) STRUCTURAL TUBING SHALL CONFORM TO ASTM A-500 GR-B C) STRUCTURAL PIPE SHALL CONFORM TO ASTM A-53, TYPE E OR S
- 3. THE FABRICATOR SHALL DESIGN CONNECTIONS FOR THE REACTIONS SHOWN ON THE DRAWINGS OR THE MAXIMUM END REACTION THAT CAN BE PRODUCED BY A LATERALLY SUPPORTED UNIFORMLY LOADED BEAM FOR EACH GIVEN BEAM SIZE AND SPAN.
- 4. FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" DIAMETER ASTM A325 HIGH STRENGTH BOLTS EXCEPT WHERE FIELD WELDING IS INDICATED ON THE DRAWINGS.
- 5. ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. WELDING ELECTRODES SHALL BE E70XX.
- 6. STRUCTURAL STEEL PRIMER PAINT. TNEMEC 10-99 ALKYD RUST INHIBITIVE PRIMER, 2.0 TO 3.5 MILS DRY THICKNESS, OR APPROVED ALTERNATE.
- 7. ALL STRUCTURAL STEEL IN EXTERIOR BRICK WALL SHALL BE HOT DIP GALVANIZED (HDG) IN ACCORDANCE WITH ASTM A 125 HOT-DIPPED.
- 8. COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL STRUCTURAL STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES MUST BE SHOWN ON THE SHOP DRAWINGS. SUBMIT (2) BLACK LINE PRINTS TO THE ENGINEER/ARCHITECT.

(VIF) - INDICATES GENERAL CONTRACTOR SHALL "VERIFY IN FIELD" EXISTING DIMENSIONS, ELEVATIONS OR CONDITIONS. (U.O.N.) - INDICATES UNLESS OTHERWISE NOTED. T/ - INDICATES "TOP OF". M.O. - INDICATES MASONRY OPENING R.O. - INDICATES ROUGH OPENING TBD - TO BE DETERMINED CJ - INDICATES CONTROL JOINT S.S. - INDICATES STAINLESS STEEL

(TYP.) - INDICATES TYPICAL

STANDARD ABBREVIATIONS:

(E) - INDICATES EXISTING CONDITIONS OR MEMBERS.



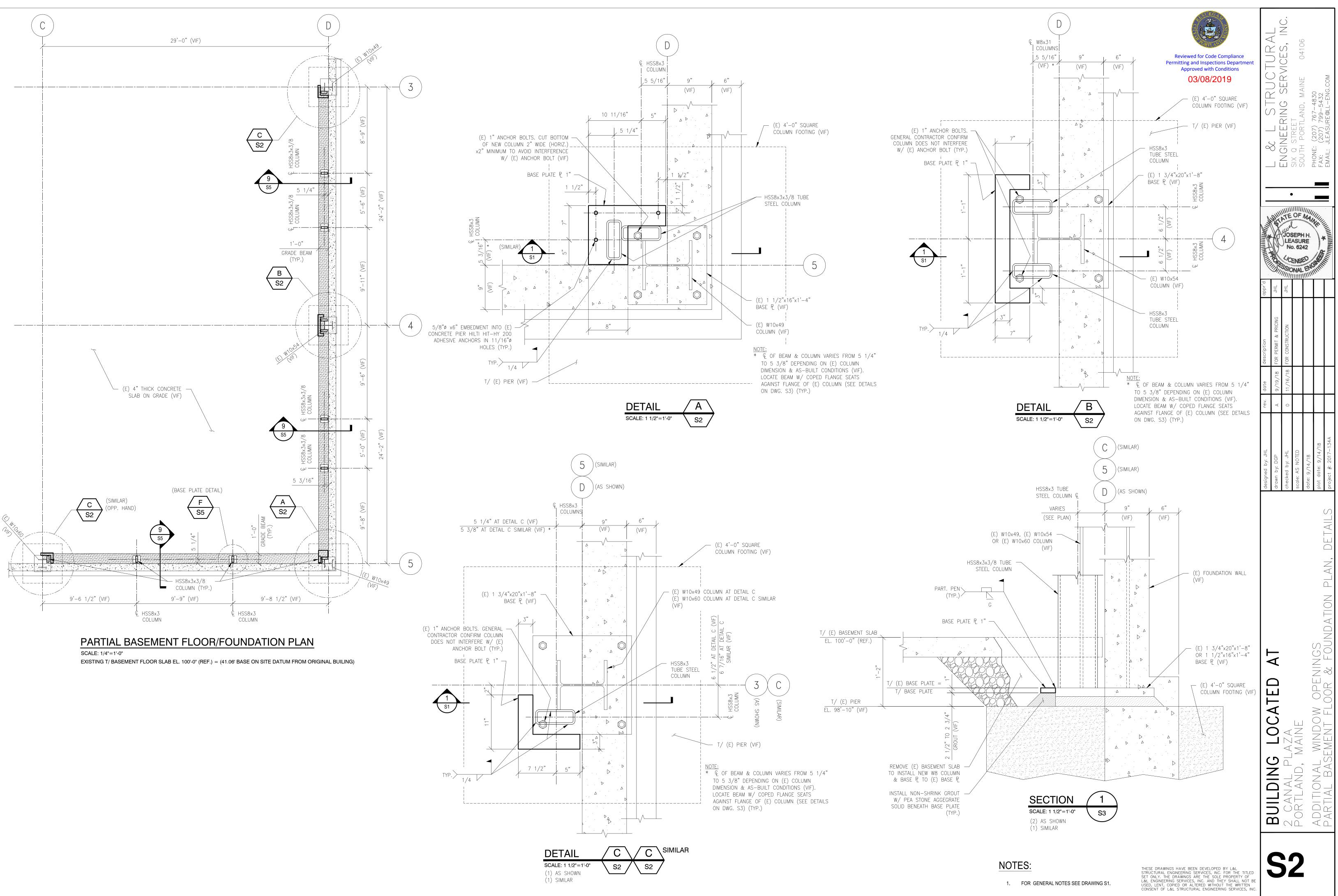
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Permitting and Inspections Departme Approved with Conditions 03/08/2019

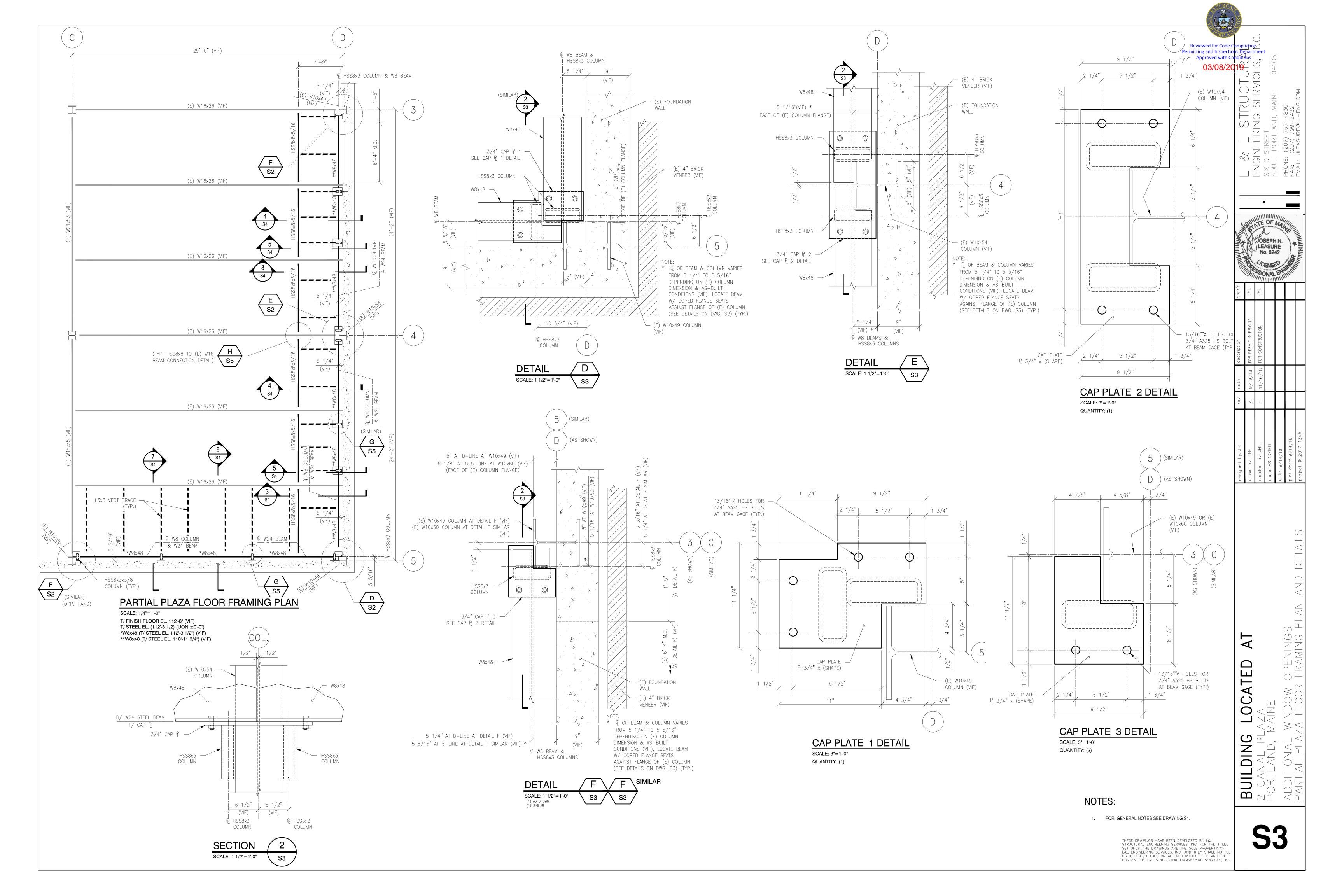
Reviewed for Code Compliance

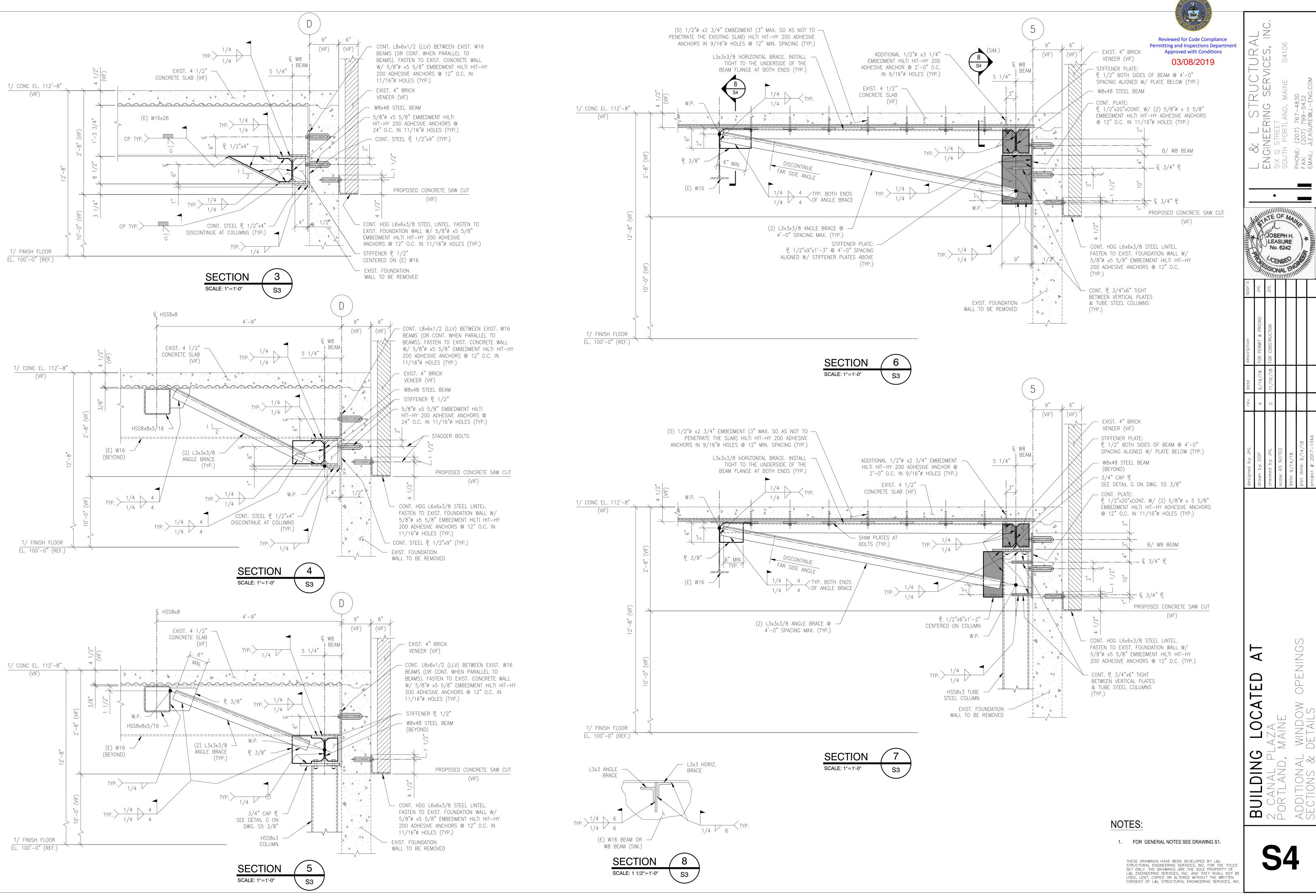
		ENGINEERING VERVICES, IN	, U SIREEI 11th Porti and Mainf 04106		FHUNE: (207) 767-4630 FAX: (207) 799-5432	ail: jleasure@ll-eng.com
dppr'd		ATE JOS LE	OF SEPH ASUID. 624	////// MA// 1 H. RE 42	FAX	
rev. date description c	9/19/18 FOR PERMIT & PRICING	0 11/16/18 FOR CONSTRUCTION				
designed by: JHL	drawn by: DGP	checked by: JHL	scale: AS NOTED	date: 9/14/18	plot date: 9/14/18	project #: 2017-134A
	BUILDING LUCALED AL	Z CANAL PLAZA	PORTLAND. MAINE		\triangleleft	GENERAL NOTES

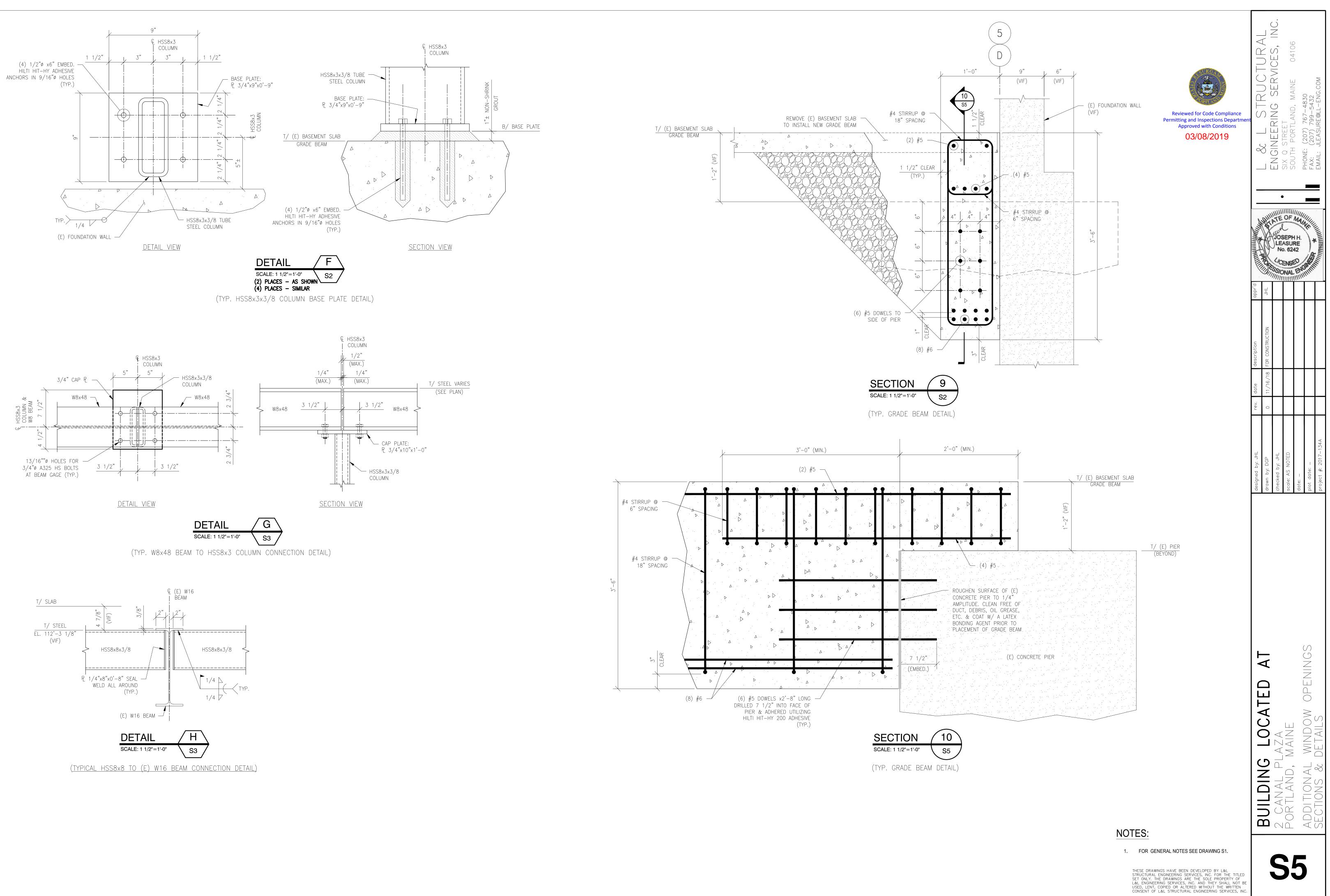
THESE DRAWINGS HAVE BEEN DEVELOPED BY L&L STRUCTURAL ENGINEERING SERVICES, INC. FOR THE TITLED SET ONLY. THE DRAWINGS ARE THE SOLE PROPERTY OF L&L ENGINEERING SERVICES, INC. AND THEY SHALL NOT BE USED, LENT, COPIED OR ALTERED WITHOUT THE WRITTEN CONSENT OF L&L STRUCTURAL ENGINEERING SERVICES, INC

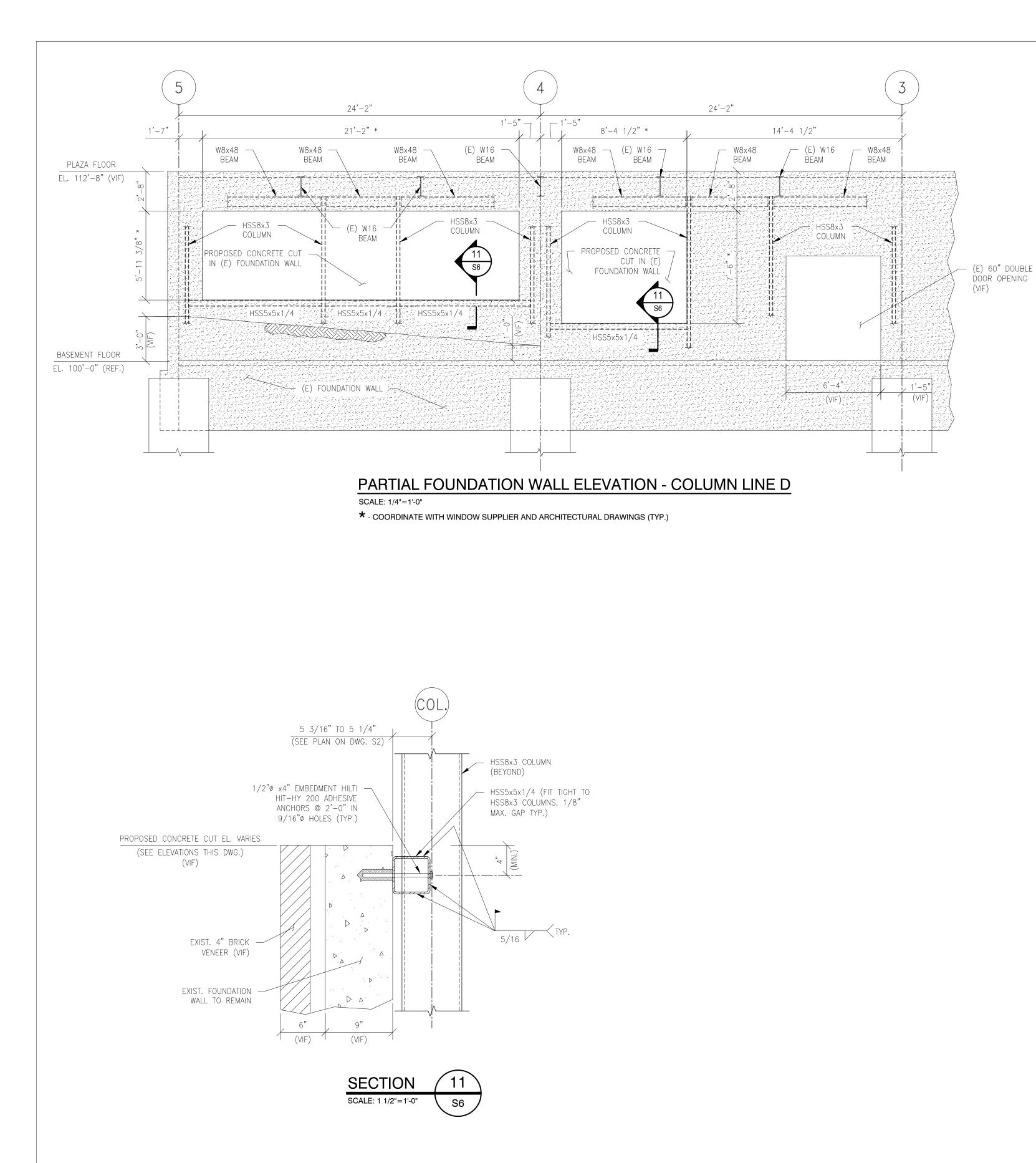


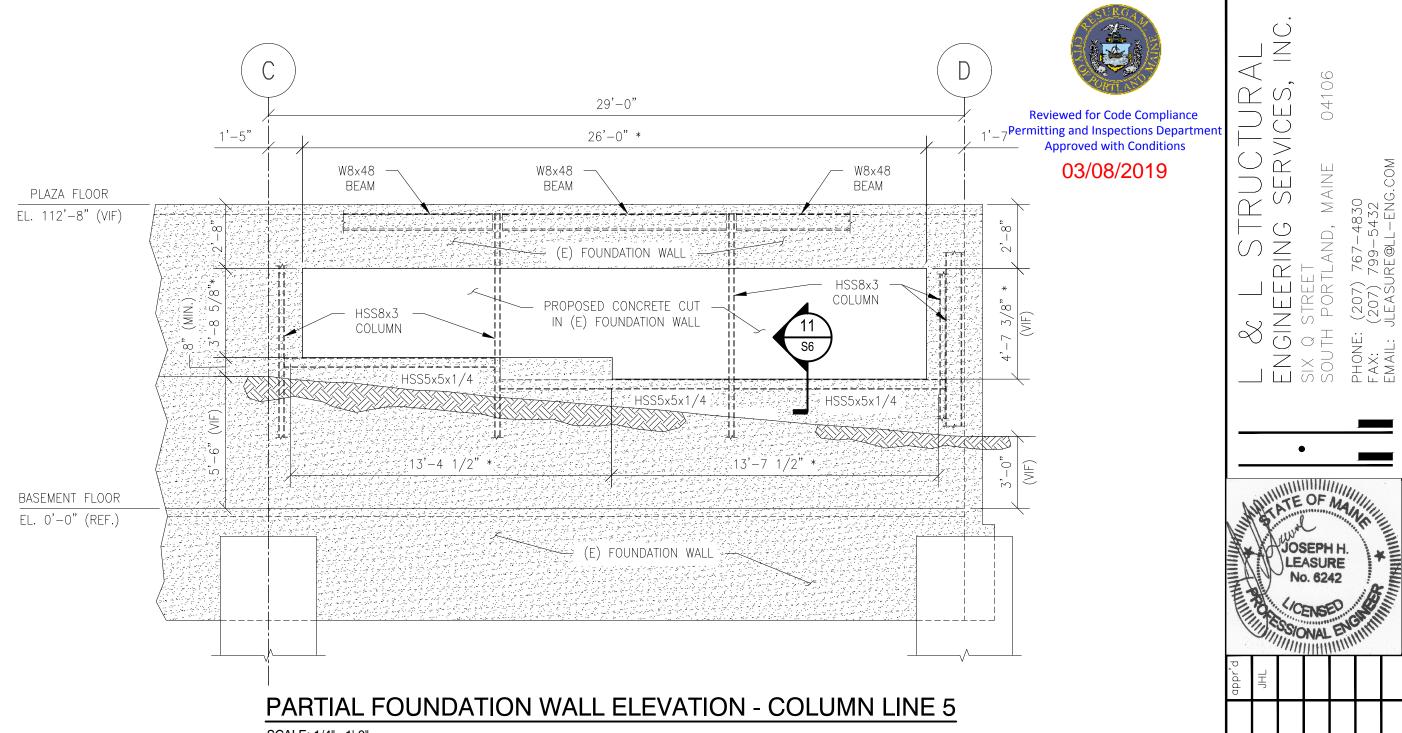












SCALE: 1/4"=1'-0"

 \star - COORDINATE WITH WINDOW SUPPLIER AND ARCHITECTURAL DRAWINGS (TYP.)

		designed by: JHL
	BUILDING LUCALED AL	drawn by: DGP
	Z CANAL PLAZA	checked by: JHL
5	PORTLAND, MAINE	scale: AS NOTED
6		date: -
	ADDITIONAL WINDOW OPENINGS	plot date: -
	Sections & details	project #: 2017-134A

NOTES:

1. FOR GENERAL NOTES SEE DRAWING S1.

THESE DRAWINGS HAVE BEEN DEVELOPED BY L&L STRUCTURAL ENGINEERING SERVICES, INC. FOR THE TITLED SET ONLY. THE DRAWINGS ARE THE SOLE PROPERTY OF L&L ENGINEERING SERVICES, INC. AND THEY SHALL NOT BE USED, LENT, COPIED OR ALTERED WITHOUT THE WRITTEN CONSENT OF L&L STRUCTURAL ENGINEERING SERVICES, INC.



Reviewed for Code Compliance Permitting and Inspections Department Approved with Conditions

03/08/2019

STATEMENT OF SPECIAL INSPECTIONS

PROJECT:	2 Canal Plaza – Lower Level Window Openings			
LOCATION:	2 Canal P	laza, Portland, Maine 04	101	
PERMIT APPLICANT:	East Brow	vn Cow		
APPLICANTS ADDRESS:	100 Midd	le Street, Portland, Mair	ne 04101	
STRUCTURAL ENGINEER OF RECORD: Joseph H. Leasure, P.E. L&L Structural Engineering Services, I Name Firm				
ARCHITECT OF RECORD:		Mark Mueller Name	Mark Mueller Architects	
		Name	г итт	

This Statement of Special Inspections is submitted in accordance with **CHAPTER 17** of the 2015 International Building Code (IBC 2015). It includes a listing of special inspections applicable to this project, as well as, the name of the Special Inspector(s), and the names of other agencies intended to be retained for conducting these inspections. We have also included a Quality Insurance Plan for Seismic Resisting Systems and Components.

The special inspector shall keep records of all inspections listed herein, and shall furnish inspection reports to the Code Official and to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected the discrepancies shall be brought to the attention of the Code Official and the Registered Design Professional of Record. Interim reports shall be submitted to the Code Official and Registered Design Professional of Record monthly, unless more frequent submissions are requested by the Code Official.

Job site safety is soley the responsibility of the Contractor. Materials and activities to be inspected are not to include the Contractor's equipment and methods used to erect or install the materials listed. The special inspectors and testing agency performing the work are listed on the following pages.

Prepared BY:

Joseph H. Leasure, P.E.February 15, 2019NAMEDATE

SIGNATURE

DATE

Applicant's Authorization:

Building Code Official:

SIGNATURE

DATE

SIGNATURE

Schedule of Inspections and Testing Agencies	February 15, 2019
	SURGE

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

Soils and Foundations

Х

Spray Fire Resistant Material

 x
 Cast-in-Place Concrete Precast Concrete Masonry
 Wood Construction

 x
 Structural Steel Cold-Formed Steel Framing
 Exterior Insulation and Finish Systems and Inspections Department

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 Structural Steel Cold-Formed Steel Framing
 Architectural Systems

Sp	ecial Inspection Agencies	Firm	Address, Telephone, e-mail
1.	Special Inspection Coordinator	<i>L&L Structural Engineering</i> <i>Services, Inc.</i>	Six Q Street South Portland, Maine 04106 Tel: (207) 767-4830 jleasure@ll-eng.com
2.	Inspector #1	S. W. Cole Engineering, Inc. (to be confirmed)	286 Portland Road Gray, Maine 04039 Tel: (207) 657-2866
3.	Inspector #2	<i>L&L Structural Engineering</i> <i>Services, Inc.</i>	Six Q Street South Portland, Maine 04106 Tel: (207) 767-4830 jleasure@ll-eng.com
4.	Inspector #3	TBD	TBD
5.	Testing Agency #1	S. W. Cole Engineering, Inc. (to be confirmed)	286 Portland Road Gray, Maine 04039 Tel: (207) 657-2866
6.	Testing Agency #2	TBD	TBD

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

February 15, 2019

Quality Assurance for Seismic Resistance

Seismic Design Category	II / Site Class C	Reviewed for C
Quality Assurance Plan Required (Y/N)	Ν	Permitting and Insp Approved wi

Description of seismic force resisting system and designated seismic systems: *The Seismic resisting system consists of ordinary steel concentrically braced frames.*

Testing and observation as required by the Schedule of Special Inspections shall be submitted to the Engineer of Record on a monthly basis.

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)	120 mph
Wind Exposure Category	С
Quality Assurance Plan Required (Y/N)	Ν

Description of wind force resisting system and designated wind resisting components: *The Wind resisting system consists of ordinary steel concentrically braced frames.*

The Quality assurance plan is not required per IBC 2015, 1706.1.1. paragraph 1.

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility to the Engineer of Record for distribution.



Reviewed for Code Compliance ermitting and Inspections Department Approved with Conditions

03/08/2019



Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the sproval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures					
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations					
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of					

American Concrete Institute (ACI) Certification

Engineering examination

- ACI-CFTT Concrete Field Testing Technician Grade 1
- ACI-CCI Concrete Construction Inspector
- ACI-LTT Laboratory Testing Technician Grade 1&2
- ACI-STT Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWICertified Welding InspectorAWS/AISC-SSICertified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT Non-Destructive Testing Technician – Level II or III.

International Code Council (ICC) Certification

- ICC-SMSI Structural Masonry Special Inspector
- ICC-SWSI Structural Steel and Welding Special Inspector
- ICC-SFSI Spray-Applied Fireproofing Special Inspector
- ICC-PCSI Prestressed Concrete Special Inspector
- ICC-RCSI Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

- NICET-CT Concrete Technician Levels I, II, III & IV
- NICET-ST Soils Technician Levels I, II, III & IV
- NICET-GET Geotechnical Engineering Technician Levels I, II, III & IV

Qualifications of Inspectors and Testing Technicians

Exterior Design Institute (EDI) Certification

EDI-EIFS EIFS Third Party Inspector

Other



Reviewed for Code Compliance Permitting and Inspections Department Approved with Conditions



GENERAL NOTES

- 1. THE FOLLOWING NOTES ARE INTENDED TO BE USED AS OUTLINE SPECIFICATIONS FOR THIS PROJECT. THE REFERENCED STANDARDS ARE PART OF THIS WORK.
- 2. EDITIONS OF MATERIAL STANDARDS REFERENCED ON THIS DRAWING SHALL BE AS INDICATED IN THE BUILDING CODES.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS AND SPECIFICATIONS. CONSULT ALL OTHER PROJECT DOCUMENTS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 4. ALL DIMENSIONS, EXISTING CONDITIONS, AND AS-BUILT CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE EFFECTED PART OF THE WORK.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER RESERVES THE RIGHT TO INTERPRET DETAILS TO ADDRESS OTHER PROJECT CONDITIONS.
- 6. IN ACCORDANCE WITH THE MAINE UNIFORM BUILDING AND ENERGY CODE/INTERNATIONAL BUILDING CODE (2015 EDITION, SECTION 1704.1), SPECIAL INSPECTIONS ARE REQUIRED BY THE LOCAL CODE OFFICIAL. SEE THE STATEMENT OF INSPECTIONS AND THE PROJECT SPECIFICATIONS FOR ADDITIONAL CRITERIA.
- 7. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- 8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE STRUCTURAL DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIE-DOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

<u>SUBMITTALS</u>

- 1. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS AND MATERIAL DATA FOR ALL PARTS OF THE WORK OUTLINED IN THE FOLLOWING NOTES. NO PERFORMANCE OF THE WORK INCLUDING. BUT NOT LIMITED TO, DEMOLITION OF EXISTING STRUCTURE, FABRICATION AND ERECTION OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE ARCHITECT, CONTRACTOR, AND THE ENGINEER. SUBMIT DOCUMENTS IN IN ELECTRONIC PDF FORMAT. CONTRACTOR SHALL ALLOW 10 WORKING DAYS FOR REVIEW.
- 2. REQUIRED SUBMITTALS SHALL INCLUDE:
 - <u>CONCRETE</u>
 - A. CONCRETE MIX DESIGN B. CONCRETE REINFORCING INCLUDING BAR SUPPORTS
 - C. PRODUCT DATA FOR GROUT
 - D. PRODUCT DATA FOR POST-INSTALLED ANCHORS
 - <u>STRUCTURAL STEEL</u>
 - A. STEEL FRAMING FABRICATION DRAWINGS B. PRODUCT DATA FOR STEEL COATINGS

TESTING

- 1. OWNER WILL ENGAGE A QUALIFIED TESTING AGENCY TO CONDUCT PERIODIC TESTING TO CONFIRM CONSTRUCTION IS IN CONFORMANCE WITH SPECIFIED PROCEDURES AND SPECIFICATIONS.
- 2. TESTING SHALL INCLUDE:
- <u>FOUNDATIONS</u> A. STRUCTURAL FILL GRADATION AND COMPACTION.
- <u>CONCRETE</u> SAMPLE AND TEST EACH CONCRETE LOAD AT POINT OF DISCHARGE FOR CONCRETE SLUMP
- TEMPERATURE, AND AIR CONTENT. B. SAMPLE AND TEST CONCRETE FOR COMPRESSION STRENGTH. ONE SET OF COMPRESSIVE SAMPLES FOR EACH 50 CU. YARDS, BUT NOT LESS THEN ONCE A DAY OR 5 TESTS FOR EACH CLASS OF CONCRETE. EACH TEST TO HAVE 5 SPECIMENS; TEST 1 SPECIMEN AT 7 DAYS, 3 AT 28 DAYS, AND RESERVE 1.
- C. PULL-TESTING FOR POST-INSTALLED ANCHORS (REFER TO DETAILS).
- 3. TEST REPORTS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW WITHIN 72 HOURS OF COMPLETION OF EACH TEST. FAILED TEST RESULTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.

DESIGN I DADS

<u>DES</u>	SIGN_LOADS						
1.	BUILDING CODE: MAINE UNIFORM BUILDING AND ENERGY CODE INTERNATIONAL BUILDING CODE, 2015 EDITION INTERNATIONAL EXISTING BUILDING CODE, 2015 ED ASCE 7–10 MINIMUM DESIGN LOADS FOR BUILDIN RISK CATEGORY II		OTHER STRUCTURES	1	t		
2.	DESIGN FLOOR LIVE LOADS: OFFICE BUILDING-LOBBIES & FIRST FLOOR OFFICE BUILDING-OFFICES OFFICE BUILDING-CORRIDOR ABOVE FIRST FLOOR		<u>UNIFORM/CONCENTRATED</u> 100 PSF/2,000 LBS 50 PSF/2,000 LBS 80 PSF/2,000 LBS				—MATCH FOOTIN REINF
З.	DESIGN ROOF SNOW LOAD: GROUND SNOW LOAD (Pg): SNOW EXPOSURE FACTOR (Co): SNOW LOAD IMPORTANCE FACTOR (Is): SNOW LOAD THERMAL FACTOR (Ct): CALCAULATED FLAT ROOF SNOW LOAD (Pt): NOTE: GROUND SNOW LOAD USED FOR FLAT ELEVATION'S PROXIMITY TO BASE OF ADJACED DRIFTS AND DRIFT WIDTHS HAVE BEEN INCLUDED IN	NT BUILDI	NG)		<u>TYP S</u> n.t.s.	TEP FC	<u>DETAIL</u> g thickness
	DESIGN WIND LOAD: ULTIMATE DESIGN WIND SPEED (Vult): NOMINAL DESIGN WIND SPEED (Vasd): WIND EXPOSURE: INTERNAL PRESSURE COEFFICIENT: COMPONENTS & CLADDING PER ASCE 7-10 CHAPTE	R 30	118 MPH 86 MPH B ±0.18				
	DESIGN SEISMIC LOADS: EQUIVALENT LATERAL FORCE PROCEDURE SEISMIC IMPORTANCE FACTOR (IE): MAPPED SPECTRAL RESPONSE ACCELERATIONS: SEISMIC SITE CLASS: SPECTRAL RESPONSE COEFFICIENTS: SEISMIC DESIGN CATEGORY: COMPONENTS & CLADDING PER ASCE 7-10 CHAPTE	Ss: S1: SDS: SD1: R 13	1.0 0.240 0.780 D (PRESUMED) 0.256 0.125 B				

FOUNDATION NOTES (SOIL SUPPORTED)

- PLACEMENT OF FOUNDATIONS.
- UNDISTURBED NATIVE SOILS AND/OR NEW COMPACTED STRUCTURAL FILL EXTENDING TO UNDISTURBED NATIVE SOIL.
- 3. PRESUMPTIVE BEARING CAPACITY 2,000 PSF
- FOR PROTECTION AGAINST FROST.
- MIXTURE MEETING THE FOLLOWING GRADATION:

<u>SCREEN OR SIEVE SIZE</u>

6 INCH 3 INCH

1/4 INCH

NO. 40 NO. 200

- NEW FOUNDATION WALL.
- OUTLET.
- ARE ADEQUATELY BRACED TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE.
- 11. SOILS EXPOSED AT THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHALL BE APPROPRIATE DEWATERING MEASURES SHALL BE EMPLOYED.

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY EXISTING SOIL CONDITIONS AND TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCING

2. FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING ON SUITABLE

4. EXTEND BOTTOM OF EXTERIOR FOOTINGS AT LEAST 4.5 FEET BELOW THE FINAL EXTERIOR GRADE

5. ALL PAVEMENT, EXISTING FOUNDATIONS AND UNCONTROLLED GRANULAR FILL SHALL BE REMOVED FROM THE AREA OF THE PLANNED FOUNDATION TO AT LEAST 4 FEET BEYOND THE FOOTING LIMIT.

COMPACTED STRUCTURAL FILL SHALL BE USED TO BACKFILL TO THE DESIGN FOOTING SUBGRADE AND BENEATH ALL SLABS ON GRADE. STRUCTURAL FILL SHALL BE A CLEAN SAND-GRAVEL

- PERCENT PASSING
- 100 90-100
- 25–90
- 0–30 0–5

7. STRUCTURAL FILL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS AND SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY PER ASTM D1557, MODIFIED PROCTOR TEST. COMPACT ADJACENT TO FOUNDATION WALLS SUPPORTING UNBALANCED FILL (RETAINING WALLS) TO 94 TO 96 PERCENT OF MAXIMUM DRY DENSITY PER ASTM D1557. HAND OPERATED EQUIPMENT SHALL BE USED FOR COMPACTION WITHIN 8 FEET OF

8. PROVIDE PVC DRAINPIPE AROUND THE PERIMETER OF THE STRUCTURE. LOCATE AT THE BOTTOM OF THE FOUNDATION WALLS AND PROVIDE POSITIVE GRAVITY FLOW TO PROPERLY DESIGNED

9. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS RETAINING EARTH, UNLESS WALLS

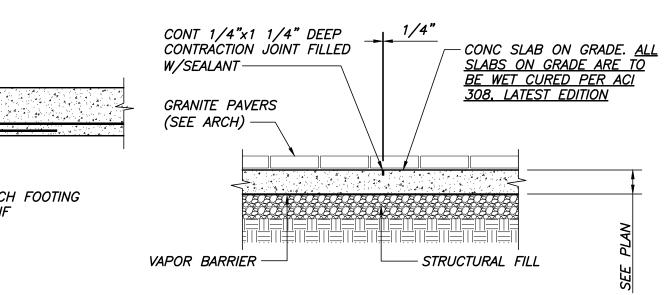
PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROST. SURFACE RUNOFF SHALL BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND. FOUNDATION EXCAVATIONS SHALL BE ADEQUATELY PROTECTED FROM RAINFALL OR FREEZING CONDITIONS. GROUNDWATER SHOULD BE ANTICIPATED FOR EXCAVATIONS AND

12. EXCAVATIONS FOR BUILDING CONSTRUCTION SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS. BRACED EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE. DO NOT UNDERMINE EXISTING FOUNDATIONS OF ANY ADJACENT STRUCTURES. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL AND/OR MORE SPECIFIC REQUIREMENTS.

CONCRETE NOTES

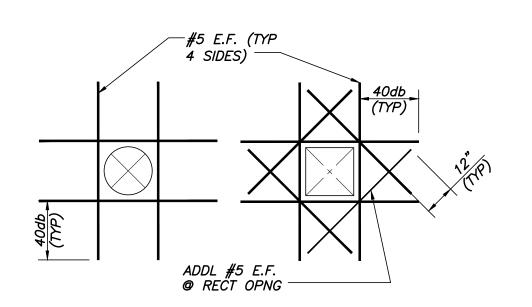
- 1. CONCRETE WORK SHALL CONFORM TO THE ACI "MANUAL OF CONCRETE PRACTICE," INCLUDING BUT NOT LIMITED TO ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE " AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE."
- 2. CONCRETE SHALL BE READY-MIXED CONCRETE, PROPORTIONED, MIXED, AND PLACED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN ACI 318.
- 3. CONCRETE MIX DESIGN:
 - INTERIOR SLABS-ON-GRADE: A. STRENGTH: 3,000 PSI @ 28 DAYS B. AGGREGATE: 3/4" C. W/C RATIO: 0.55 MAX
 - D. ENTRAPPED AIR ONLY (NO ENTRAINMENT): 3% MAX E. SLUMP: 4" MAX
 - ALL OTHER INTERIOR AND EXTERIOR CONCRETE, U.N.O.: A. STRENGTH: 5,000 PSI @ 28 DAYS
 - B. AGGREGATE: 3/4"
 - C. W/C RATIO: 0.40 MAX D. ENTRAINED AIR: $6\% \pm 1 \ 1/2\%$
 - E. SLUMP: 4" MAX
- <u>NOTES:</u>
- A. ADD AIR ENTRAINING ADMIXTURE AT MANUFACTURER'S PRESCRIBED RATE TO RESULT IN CONCRETE AT POINT OF PLACEMENT HAVING THE ABOVE NOTED AIR CONTENT. B. ADDITIONAL SLUMP MAY BE ACHIEVED BY THE ADDITION OF A MIDRANGE OR HIGH RANGE WATER REDUCING ADMIXTURE. MAXIMUM SLUMP AFTER ADDITION OF ADMIXTURE SHALL BE 6" AND 8" RESPECTIVELY.
- 5. ADJUSTMENT TO CONCRETE MIXES: MIX ADJUSTMENTS MAY BE REQUESTED BY THE CONTRACTOR, WHEN CHARACTERISTICS OF THE MATERIALS, JOB CONDITIONS, WEATHER OR OTHER CIRCUMSTANCES WARRANT, AT NO ADDITIONAL COST TO THE OWNER AS ACCEPTED BY THE ENGINEER. LABORATORY TEST DATA FOR THE REVISED MIX DESIGN AND STRENGTH DATA MUST BE SUBMITTED AND ACCEPTED BY THE ENGINEER BEFORE INCORPORATING INTO THE WORK.

- A. WATER MAY BE ADDED AT THE PROJECT ONLY IF THE MAXIMUM SPECIFIED WATER-CEMENT RATIO AND SLUMP ARE NOT EXCEEDED. CONTRACTOR SHALL HAVE BATCH TICKET INDICATING WATER AND CEMENT MIXED IN THE PLANT, AND SHALL RECORD THE WATER ADDED AS EVIDENCE THAT THE WATER-CEMENT RATIO HAS NOT
- BEEN EXCEEDED. B. ADDITIONAL DOSES OF SUPER PLASTICIZER SHOULD BE USED WHEN DELAYS OCCUR AND REQUIRED SLUMP HAS NOT BEEN MAINTAINED. A MAXIMUM OF TWO ADDITIONAL DOSAGES ARE PERMITTED PER ACI 212.3R RECOMMENDATIONS.
- 6. CONCRETE MIXING: A. JOB-SITE MIXING OF CONCRETE WILL NOT BE PERMITTED. B. READY-MIX CONCRETE MUST COMPLY WITH THE REQUIREMENTS OF ASTM C94, AND AS SPECIFIED HEREIN. PROVIDE BATCH TICKET FOR EACH BATCH DISCHARGED AND USED IN WORK, INDICATING PROJECT NAME, MIX TYPE, MIX TIME, BATCH QUANTITY, AND PROPORTIONS OF INGREDIENTS.
- 7. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
- 8. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH ACI 315.
- 9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND SHALL BE PROVIDED IN FLAT SHEETS. LAP TWO SQUARES AT ALL JOINTS AND TIE AT 3'-O" ON CENTER.
- 10. MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS: A. SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH, 3"
 - B. FORMED SURFACES IN CONTACT WITH EARTH OF EXPOSED TO WEATHER: #5 BARS AND SMALLER, 1 1/2"
 - #6 THROUGH #11 BARS, 2" C. SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: WALLS, SLABS, AND JOISTS #11 AND SMALLER, 1"
 - BEAMS, GIRDERS, AND COLUMNS; ALL REINFORCEMENT, 1 1/2'

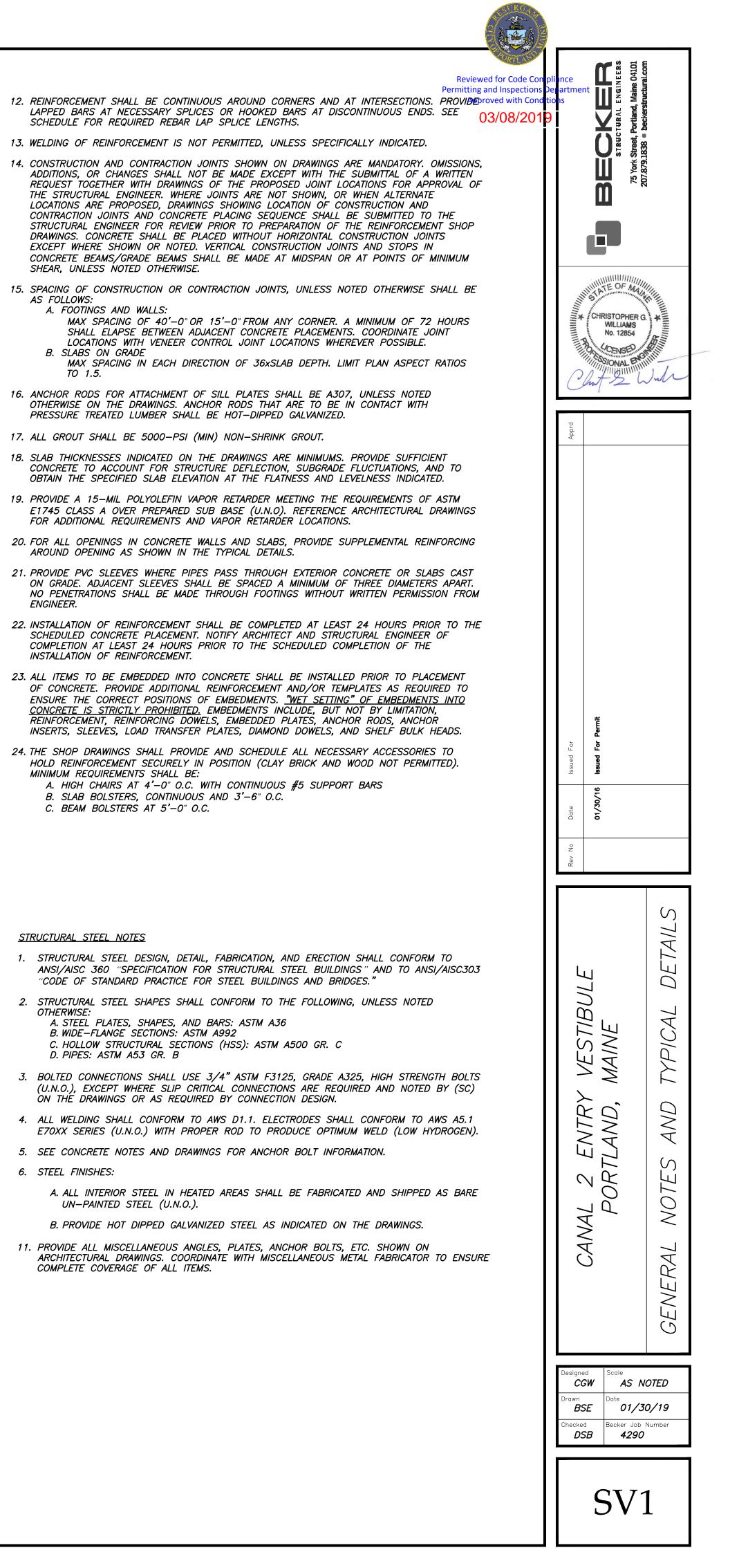


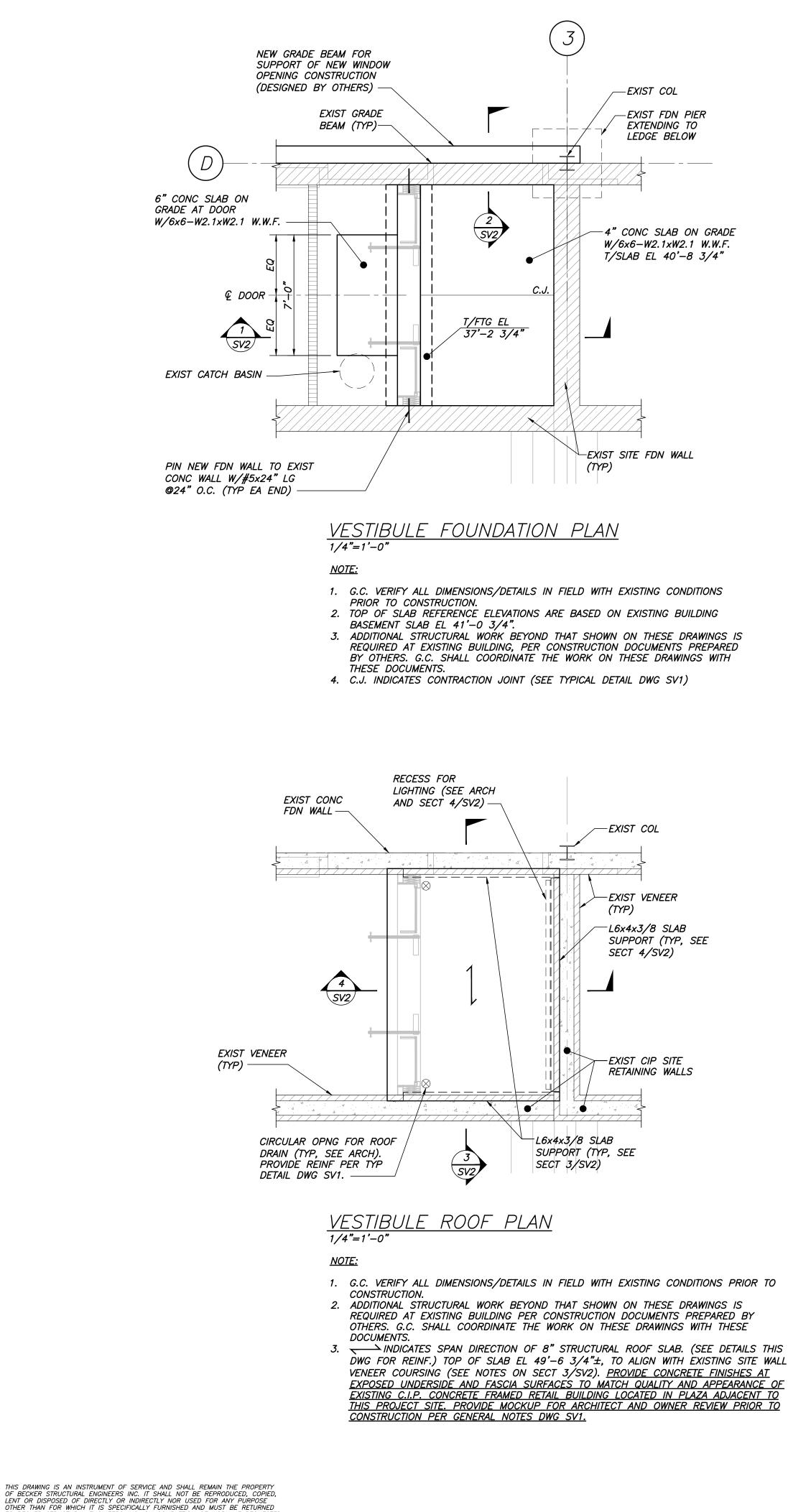


REBAR LAP SPLICE TABLE						
BAR SIZE	LAP LENGTH					
DAN SIZE	3,000/3,500 PSI	4,000/5,000 PSI				
#4	36"	30"				
# 5	48"	42"				



TYP OPENING IN WALL OR SLAB DETAIL N.T.S.





TO BECKER STRUCTURAL ENGINEERS INC. ON COMPLETION OF WORK, IF REQUESTED.

