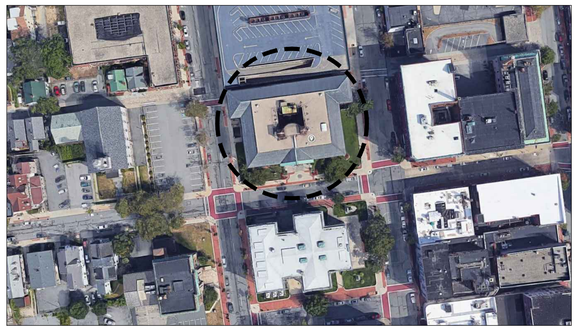
NEW BEDFORD CITY HALL

NEW ELEVATOR RENOVATIONS

133 WILLIAM ST.
NEW BEDFORD, MA 02740

BID SET
FEBRUARY 13, 2019

LOCATION PLAN



OWNER

CITY OF NEW BEDFORD

NEW BEDFORD, MA

133 William Street, New Bedford MA 02740

ARCHITECT

MVG
MOUNT VERNON GROUP ARCHITECTS

47 No. Second Street, New Bedford MA 02740

(508) 991-7500 TEL

(508) 991-7501 FAX

CONSULTANTS

STRUCTURAL ENGINEER
SOUZA TRUE AND PARTNERS, INC.
265 Winter Street, 3rd Floor
Waltham, MA 02451
(617) 926-6100

M/P/FP ENGINEER
CROSSFIELD ENGINEERING INC.
921 Salem St.
Groveland, MA 01834
(978) 372-8880

ELECTRICAL ENGINEER
SHEPHERD ENGINEERING, INC.
1308 Grafton Street
Worcester, MA 01604
(508) 757-7793

VERTICAL TRANSPORTATION
SYSKA HENNESSY GROUP
10 Post Office Square, Suite 725
Boston, MA 02109
(617) 577-9900

SYMBOLS:

ACOUSTICAL TILE
ALUMINUM
BRASS / BRONZE
BRICK (ELEVATION INDICATION)
CARPET & PAD
CERAMIC TILE
CERAMIC TILE (ELEVATION INDICATION)
CONCRETE
CONCRETE / PLASTER (ELEVATION INDICATION)
EARTH / COMPACT FILL
FACE BRICK
GLASS (ELEVATION INDICATION)
GLAZED BRICK
GYPSUM BOARD GYPSUM LATH, MASONITE &
INSULATION (BATT / LOOSE FILL)
MASONRY BLOCK
METAL LATH & PLASTER
METAL STUD PARTITION
NEW CONC SLAB PATCH
PLASTIC
ROUGH LUMBER
SHEET METAL (ELEVATION INDICATION)
SHINGLE / SIDING (ELEVATION INDICATION)
STEEL /OTHER METALS
STRUCTURAL GLAZED TILE
WOOD STUD PARTITION
HARDWOOD
MEDIUM DENSITY FIBERBOARD
PLYWOOD
RIGID INSULATION

Ⓒ CAULKING
Ⓕ COMPRESSIBLE FILLER
Ⓡ ROD STOCK
Ⓢ SEALANT
1 PARTITION TYPE
XA CENTER LINE OF COLUMN GRIDS EXISTING COLUMN NAME
A CENTER LINE OF COLUMN GRIDS NEW COLUMN NAME
WALL SECTION: SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN
BUILDING SECTION: SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN
OFFICE 103 A ROOM IDENTIFICATION: ROOM NAME, FIN. LEGEND, ROOM NO.
PROPERTY LINES, MATCH LINES (USE WITH
NEW VERTICAL ELEVATION: FLOOR/LEVEL IDENTIFICATION ELEVATION IDENTIFICATION
INTERIOR ELEVATION: ELEVATION IDENTIFICATION (UNFOLD ELEV. CLOCKWISE NO NUMBER MEANS ELEVATION NOT SHOWN.) SHEET WHERE ELEV. IS DRAWN
12 EXTERIOR ELEVATION: ELEVATION IDENTIFICATION
12 / 3.2 EXTERIOR ELEVATION: ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
X.XX KEYED NOTE
STF1B DOOR TAG
1 HR SEPARATION WALL
2 HR FIRE WALL
3 HR FIRE WALL
X / XX DETAIL: DETAIL IDENTIFICATION CUT ON ONE SHEET, SHOWN ON ANOTHER
EXISITNG VERTICAL ELEVATION: FLOOR/LEVEL IDENTIFICATION ELEVATION IDENTIFICATION

ABBREVIATIONS:

ACOUST.	ACOUSTICAL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALU.	ALUMINUM
ALUM.	ALUMINUM
ANCH.	ANCHOR
APPROX.	APPROXIMATELY
@	AT
BD.	BOARD
BKSP .	BACKSPALSH
BKT.	BRACKET
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
BOT.	BOTTOM
B.O.B.	BOTTOM OF BEAM
B.O.P.	BOTTOM OF PIPES
B.O.D.	BOTTOM OF DUCT
CG	CORNER GUARD
CAB.	CABINET
C.B.	CHALK BOARD
CEM.	CEMENT
CER./C.T.	CERAMIC TILE
C.G.	CORNER GUARD
C.I.	CAST IRON
C.I.P.	CAST IN PLACE
C.J.	CONTROL JOINT
CLG.	CEILING
CLKG.	CHALKING
CLR.	CLEAR
CLOS.	CLOSET
C.M.U.	CONC. MASONRY UNIT
C.O.	CLEAR OPENING
COL.	COLUMN
CONC.	CONCRETE
C.H.P.	CONC. HOUSEKEEPING PAD
COND.	CONDITION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CORR.	CORRIDOR
C.R.	COLD ROLLED
CRS.	COURSES
CSK.	COUNTERSINK
CTOP	COUNTERTOP
CU.	CUBIC
C.U.H.	CABINET UNIT HEATER
D.A.	DOUBLE ACTING
D.A.F.S.	DIRECT APPLIED FINISH SYSTEM
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
DN.	DOWN
DO.	DITTO (REPEAT)
D.O.	DOOR OPENING
DSP.	DISPENSER
D.W.	DRY WALL
DWG.	DRAWING
EA.	EACH
ED.	EDUCATION
EDSP.	ENDSPLASH
E.J.	EXPANSION JOINT
EL.	ELEVATION (GRADE)
ELEC.	ELECTRICAL
ELEV.	ELEVATION (FACADE)
ELEV.	ELEVATOR
EQ.	EQUAL
E.S.	EACH SIDE
E.T.R.	EXISTING TO REMAIN
EXH.	EXHAUST
EXIST.	EXITING
EXP. JT.	EXPANSION JOINT
EXP.	EXPOSED
EXT.	EXTERIOR
EXTIN.	EXTINGUISHER
F.C.P.	FIBER CEMENT PANEL
F.D.C.	FIRE DEPT. CONNECTION
F.D.V.	FIRE DEPT. VALVE
F.D.V.C.	FIRE DEPT. VALVE CABINET
FB.	FLAT BAR
F.C.	FIRE CODE
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FACTORY FINISH
F.H.	FLAT HEAD
F.H.C.	FIRE HOSE CABINET
FIN.	FINISH
FL.	FLOOR
FLASH.	FLASHING
FLUOR.	FLUORESCENT
F.P.	FIRE PROOFING
F.S.	FIRE SHIELD
F.SZ.	FULL SIZE
FT.	FEET/FOOT
FT.2	SQUARE FEET
FT.3	CUBIC FEET
F.O.	FRAMED OPENING
FUR.	FURRING
GA.	GAUGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
GL.	GLASS
GR.	GRADE
G.S.U.	GLAZED STRUCTURAL UNIT
GYP.	GYPSUM
G.W.B.	GYPSUM WALLBOARD
H.C.	HANDICAP
H.C.P.	HANDICAP
H.C.P.	HANDICAP
HD	HIGH DENSITY
HDWR.	HARDWARE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
HVAC	HEATING, VENTILATING & AIR CONDITIONING
I.D.	INSIDE DIAMETER
IN.	INCH, INCHES
IN.2	SQUARE INCHES
IN.3	CUBIC INCHES
INCAN.	INCANDESCENT
INFIL.	INFILTRATION
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JST.	JOIST
JT.	JOINT
LAM.	LAMINATED
LB./#	POUND
L.C.	LEAD COATED
L.D.P.	LAMINATED DRYWALL PART.
LGTH.	LENGTH
L.G.M.F.	LIGHT GAGE METAL FRAMING
L.O.W.	LIMIT OF WORK
L.P.	LOW POINT
LI.WT.	LIGHT WEIGHT
LVR.	LOUVER
MACH.	MACHINE
MAS.	MASONRY
MAT.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMBR.	MEMBRANE
M.D.	METAL DOOR
MFGR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLDG.	MOLDING
M.O.	MASONRY OPENING
M.T.	METAL THRESHOLD
MTD.	MOUNTED
MTL.	METAL
M.M.C.	MISC. METAL CONTRACTOR
NAT.	NATURAL
N.C.	NONCORROSIVE
N.I.C.	NOT IN CONTRACT
NO./#	NUMBER
NOM.	NOMINAL
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
OPER.	OPERATE
OPNG.	OPENING
OVHD.	OVERHEAD
OZ.	OUNCE(S)
PARTN.	PARTITION
PERIM.	PERIMETER
PERP.	PERPENDICULAR (TO)
P.L.	PLASTIC LAMINATE
PL.	PLATE
PLAS.	PLASTER
PLUMB.	PLUMBING
PLYWD.	PLYWOOD
PNL.	PANEL
POL.	POLISHED
PR.	PAIR
PTD.	PAINTED
P.T.	PRESSURE TREATED
Q.T.	QUARRY TILE
QTY.	QUANTITY
r.	RADIUS
R.	RISER
RAD. ENCL.	RADIATOR ENCLOSURE
R.D.	ROOF DRAIN
REINF.	REINFORCING
REFIG.	REFRIGERATOR
REQD.	REQUIRED
RESIL.	RESILIENT
RET.	RETAINING
RM.	ROOM
R.O.	ROUGH OPENING
R.W.L.	RAIN WATER LEADER
RB.	RESILIENT BASE
SCHED.	SCHEDULE
SECT.	SECTION
SH.	SHELVES
SHT.	SHEET
S.I.G.S.	SILICON IMPREGNATED GYPSUM SHEATHING
SIM.	SIMILAR
SLID.	SLIDING
SPEC.	SPECIFICATIONS
SQ.	SQUARE
STOR.	STORAGE
S.T.	STRUCTURAL TUBE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T.	TREADS
TBLE.	TABLE
T.B.	TACK BOARD
T.C.	TERRA COTTA
TEL.	TELEPHONE
TERR.	TERRAZZO
T&G	TONGUE & GROOVE
THK.	THICKNESS
THRESH.	THRESHOLD
TLT.	TOILET
T.O.B.	TOP OF BLOCKING
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
T.W.	TOP OF WALL
TYP.	TYPICAL
TWR.	TOWER
U.C.	UNDERCUT
U.L.	UNDERWRITERS LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
U.P.R.	UPPER
U.V.	UNIT VENTILATOR
V.C.	VINYL CLAD
VENT.	VENTILATOR
VERT.	VERTICAL
VEST.	VESTIBULE
V.W.C.	VINYL WALL COVERING
W.	WIDE, WIDE FLANGE
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
W.D.	WINDOW DIMENSION
W.I.	WROUGHT IRON
WIND.	WINDOW
W.O.	WINDOW OPENING
W.P.	WATERPROOFING
WT.	WEIGHT
W.W.M.	WELDED WIRE MESH
X	INDICATES TIMES OR BY
YD.	YARD
Z	ZEE (STRUCTURAL SHAPE)

DRAWING LIST:

ARCHITECTURAL

EX1.01	BASEMENT & FIRST FLOORS - EXISTING PLANS
EX1.02	SECOND & THIRD FLOORS - EXISTING PLANS
EX1.03	ATTIC FLOOR & ROOF - EXISTING PLANS
EX4.01	EXISTING EXTERIOR ELEVATIONS
D1.01	BASEMENT & FIRST FLOORS - DEMOLITION PLANS, KEYNOTES & GENERAL NOTES
D1.02	SECOND & THIRD FLOORS - DEMOLITION PLANS
D1.03	ATTIC FLOOR & ROOF - DEMOLITION PLANS
D4.01	DEMOLITION EXTERIOR ELEVATIONS & SECTIONS
A1.01	BASEMENT & FIRST FLOOR PLANS & ROOM FINISH SCHEDULE
A1.02	SECOND & THIRD FLOOR PLANS, PARTITION TYPES, DETAILS & NOTES
A1.03	ATTIC FLOOR & ROOF PLANS, ROOF TYPES, NOTES & DETAILS
A3.01	BASEMENT & FIRST FLOOR REFLECTED CEILING PLANS, TYPES & DETAILS
A3.02	SECOND, THIRD & ATTIC FLOOR REFLECTED CEILING PLANS
A4.01	EXTERIOR ELEVATIONS & CAST STONE TYPES
A5.01	BUILDING SECTIONS
A6.01	WALL SECTIONS
A6.02	WALL SECTION & VERTICAL DETAILS
A6.03	VERTICAL DETAILS
A7.01	ENLARGED BASEMENT & FIRST FLOOR ELEVATOR PLANS & INTERIOR ELEVATIONS
A7.02	ENLARGED SECOND, THIRD & FOURTH FLOOR ELEVATOR PLANS & INTERIOR ELEVATIONS
A8.01	DOOR SCHEDULE, ENLARGED DOOR, FRAME & LOUVERS & PLAN DETAILS

VERTICAL TRANSPORTATION

VT.01	ELEVATOR 1 PLANS AND SECTION

STRUCTURAL

S0.01	GENERAL NOTES AND TYPICAL DETAILS
S1.01	BASEMENT PLAN AND SECTIONS AT NEW ELEVATOR
S1.02	FIRST, SECOND, THIRD, ATTIC FLOOR & ROOF FRAMING PLAN AT NEW ELEVATOR
S1.03	SECTIONS

PLUMBING

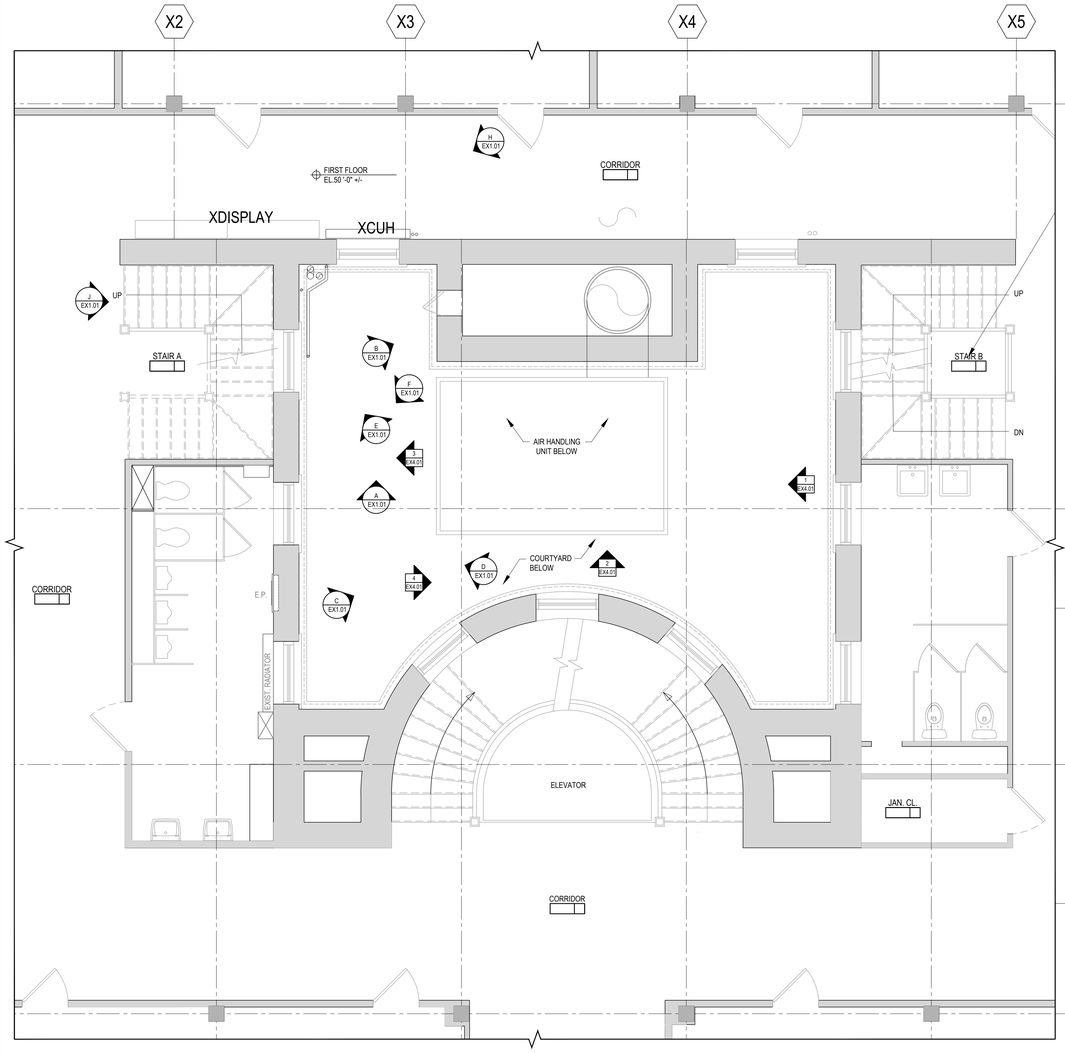
PD1.01	PLUMBING PART PLANS EXISTING & DEMOLITION
P1.01	PLUMBING PART PLANS EXISTING & NEW WORK

MECHANICAL

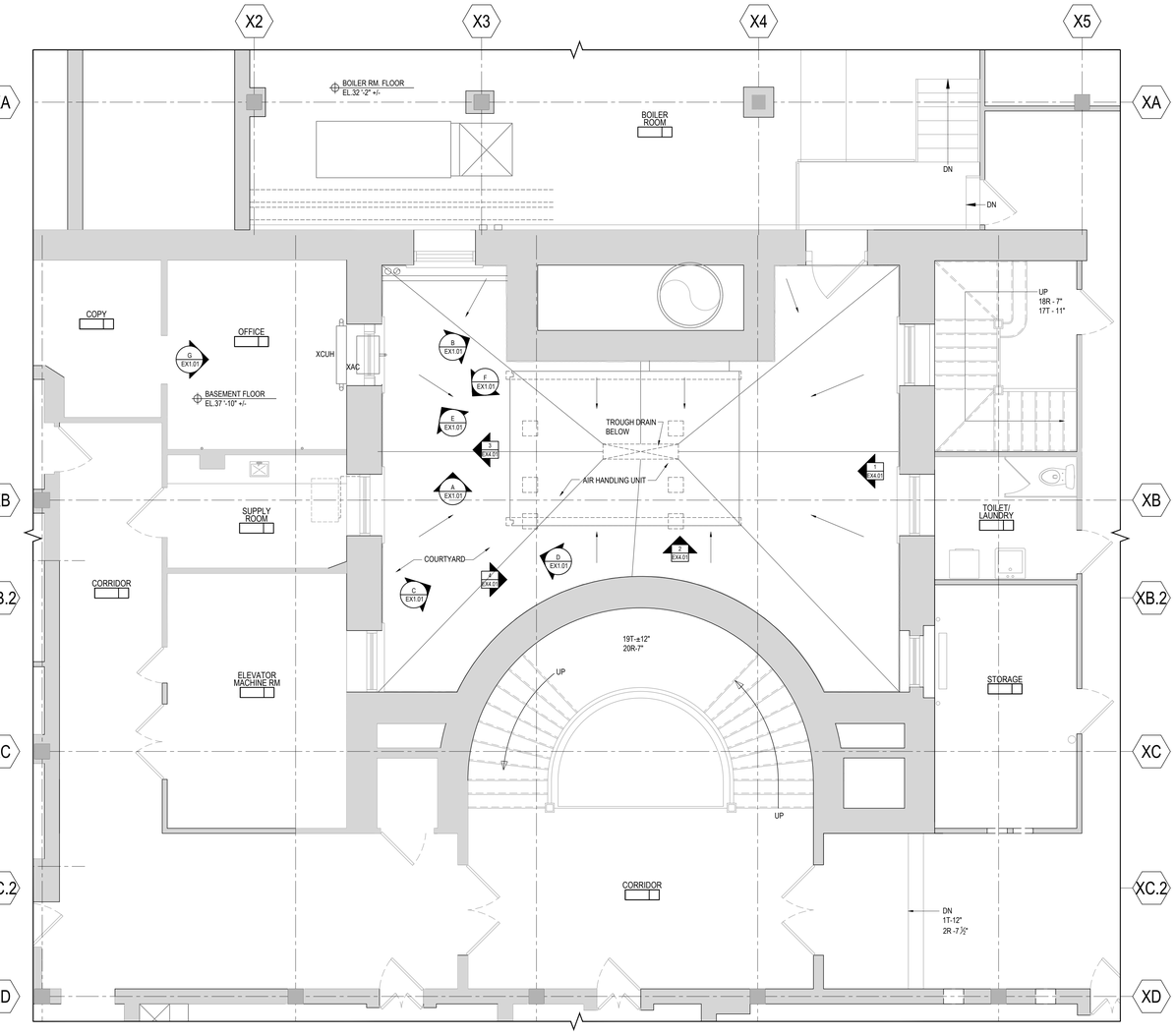
MD1.01	MECHANICAL BASEMENT & FIRST FLOOR EXISTING & DEMO PLANS
MD1.02	MECHANICAL SECOND & THIRD FLOOR EXISTING & DEMO PLANS
MD1.03	MECHANICAL ROOF & ATTIC FLOOR EXISTING & DEMO PLANS
M1.01	MECHANICAL BASEMENT & FIRST FLOOR EXISTING & NEW WORK PLANS
M1.02	MECHANICAL SECOND & THIRD FLOOR EXISTING & NEW WORK PLANS
M1.03	MECHANICAL ATTIC & ROOF EXISTING & NEW WORK PLANS
M2.01	MECHANICAL ELEVATIONS, NOTES, SCHEDULES AND DETAILS

ELECTRICAL

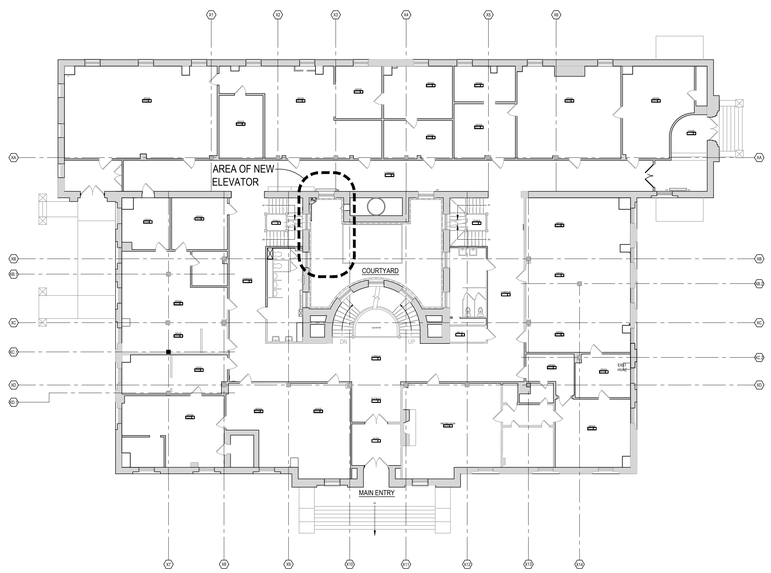
ED1	DEMO PARTIAL BASEMENT FLOOR PLAN - ELECTRICAL
E1.1	BASEMENT FLOOR PLAN - ELECTRICAL
E2.1	FIRST & SECOND FLOOR PLANS - ELECTRICAL
E3.1	THIRD & ATTIC FLOOR PLANS - ELECTRICAL
E4.1	LEGEND, SCHEDULES AND DETAILS



2 FIRST FLOOR EXISTING PLAN
SCALE: 1/4" = 1'-0"



1 BASEMENT FLOOR/COURTYARD EXISTING PLAN
SCALE: 1/4" = 1'-0"



3 FIRST FLOOR OVERALL PLAN
SCALE: 1/4" = 1'-0"



A EXT. COURTYARD NORTH WALL
NOT TO SCALE



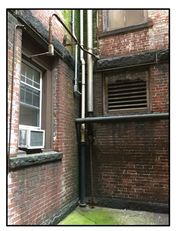
B EXT. COURTYARD - NORTHEAST WALL
NOT TO SCALE



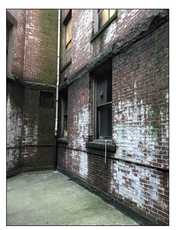
C EXT. COURTYARD - CHILLER UNIT
NOT TO SCALE



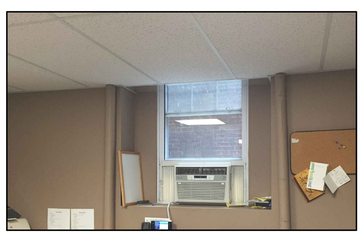
D EXT. COURTYARD - NORTHWEST WALL
NOT TO SCALE



E EXT. COURTYARD - NORTHWEST WALL
NOT TO SCALE



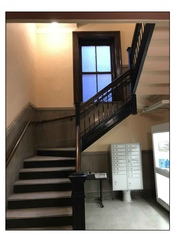
F EXT. COURTYARD - SOUTH VIEW
NOT TO SCALE



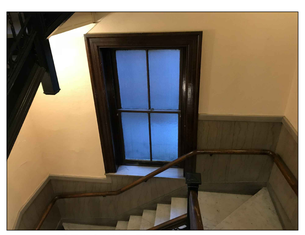
G OFFICE - EAST WALL
NOT TO SCALE



H CORRIDOR - SOUTH WALL
NOT TO SCALE

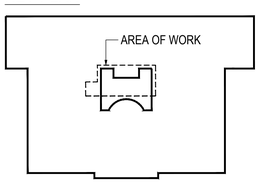


J 1ST TO 2ND FLR STAIRWAY -EAST WALL
NOT TO SCALE



K 1ST TO 2ND FLR STAIRWAY -EAST WALL
NOT TO SCALE

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
BASEMENT & FIRST FLOORS - EXISTING PLANS

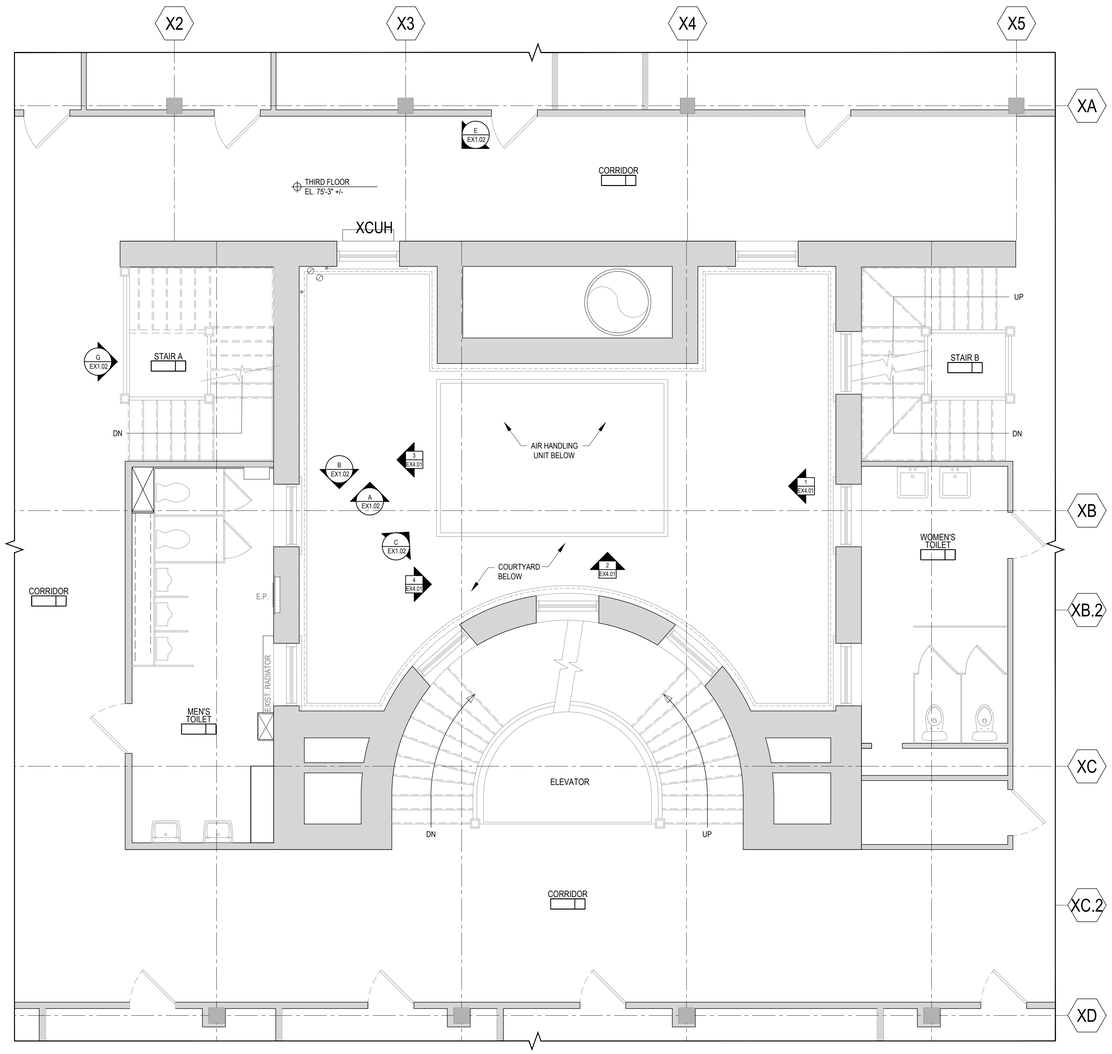
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

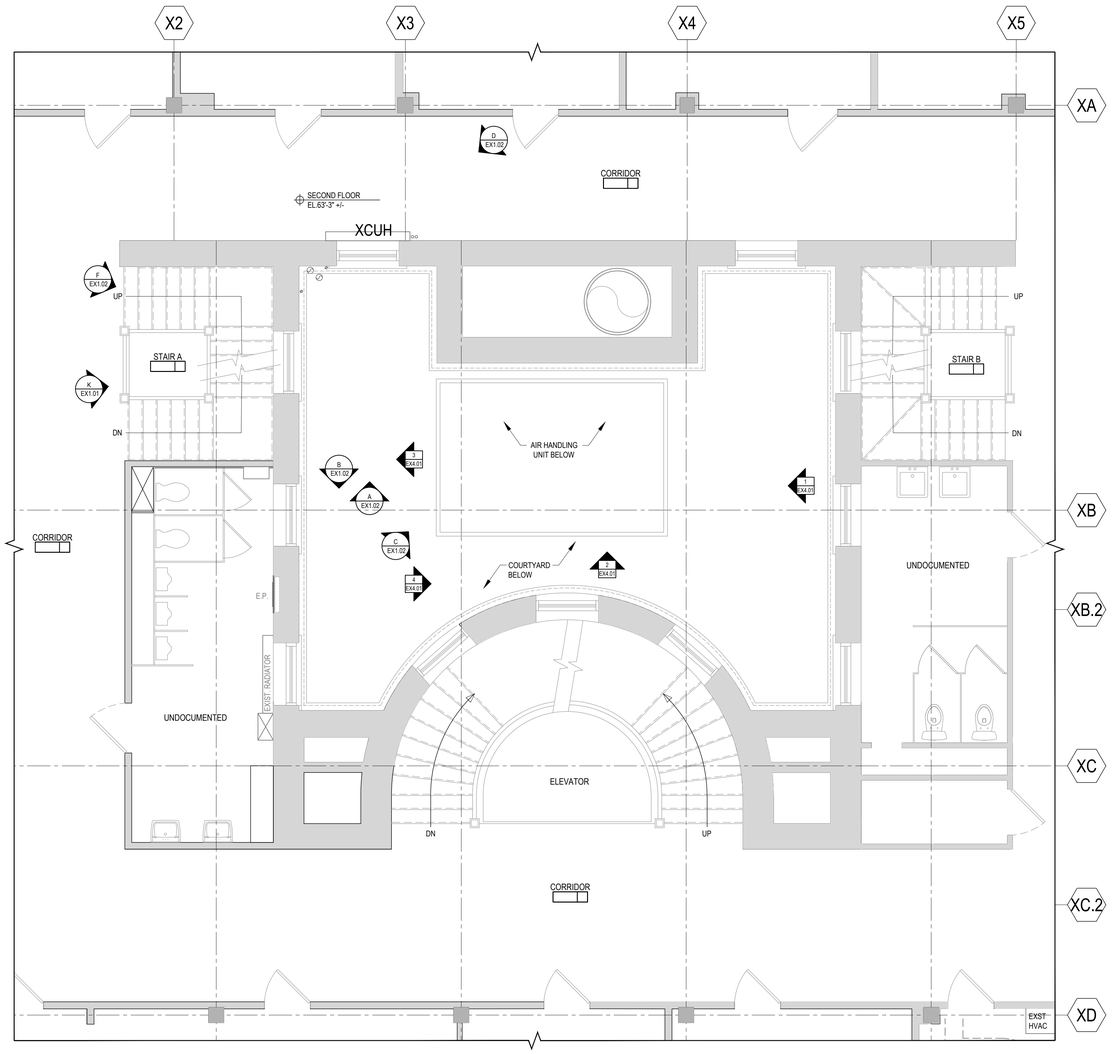
DRAWING INFORMATION

SCALE	1/4"=1'-0"
DRAWN BY	DMT / HC
CHECKED	DT, JF
DATE	FEBRUARY 13, 2019

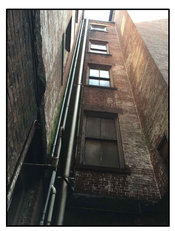
DRAWING NUMBER
EX1.01



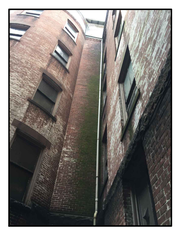
2 THIRD FLOOR EXISTING PLAN
SCALE: 1/4" = 1'-0"



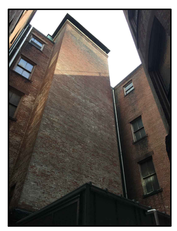
1 SECOND FLOOR EXISITNG PLAN
SCALE: 1/4" = 1'-0"



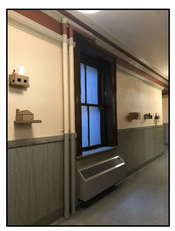
A EXT. COURTYARD -N, E, & W WALLS
NOT TO SCALE



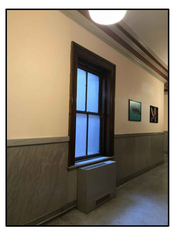
B EXT. COURTYARD - SOUTH VIEW
NOT TO SCALE



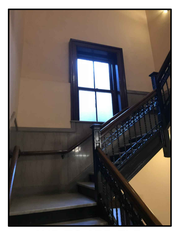
C EXT. COURTYARD - NORTH VIEW
NOT TO SCALE



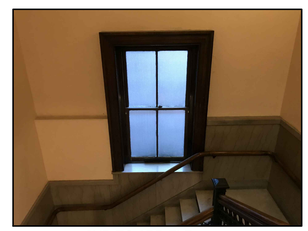
D TYP. CORRIDOR 2ND FLOOR - SOUTH WALL
NOT TO SCALE



E TYP. CORRIDOR 3RD FLOOR - SOUTH WALL
NOT TO SCALE

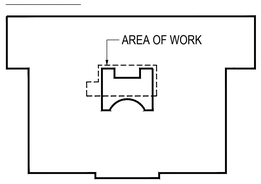


F 2ND TO 3RD FLR STAIRWAY -EAST WALL
NOT TO SCALE



G 2ND TO 3RD FLR STAIRWAY -EAST WALL
NOT TO SCALE

KEY PLAN



NORTH ARROW

N

CONSULTANTS

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

SECOND & THIRD FLOORS - EXISTING PLANS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

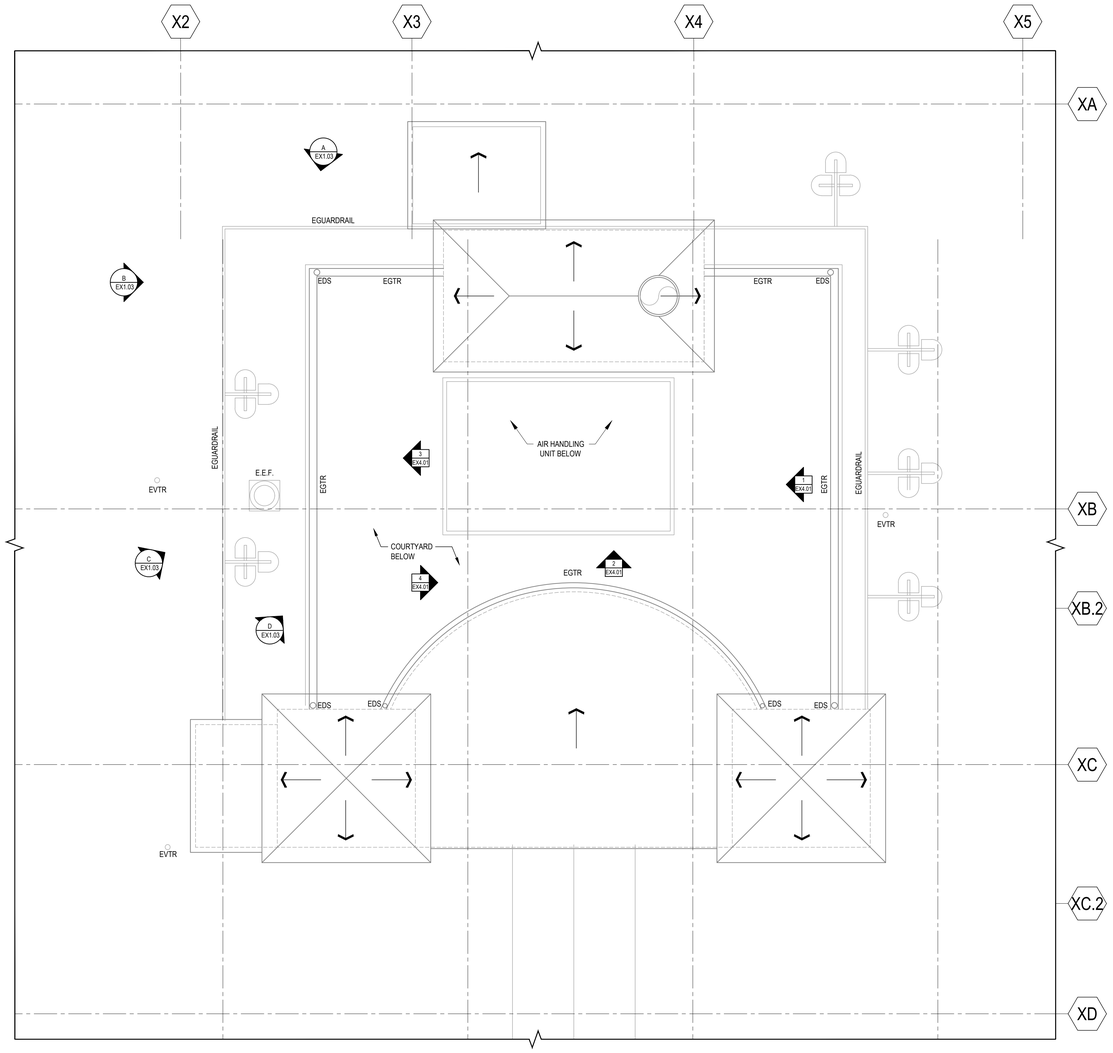
STAMP

DRAWING INFORMATION

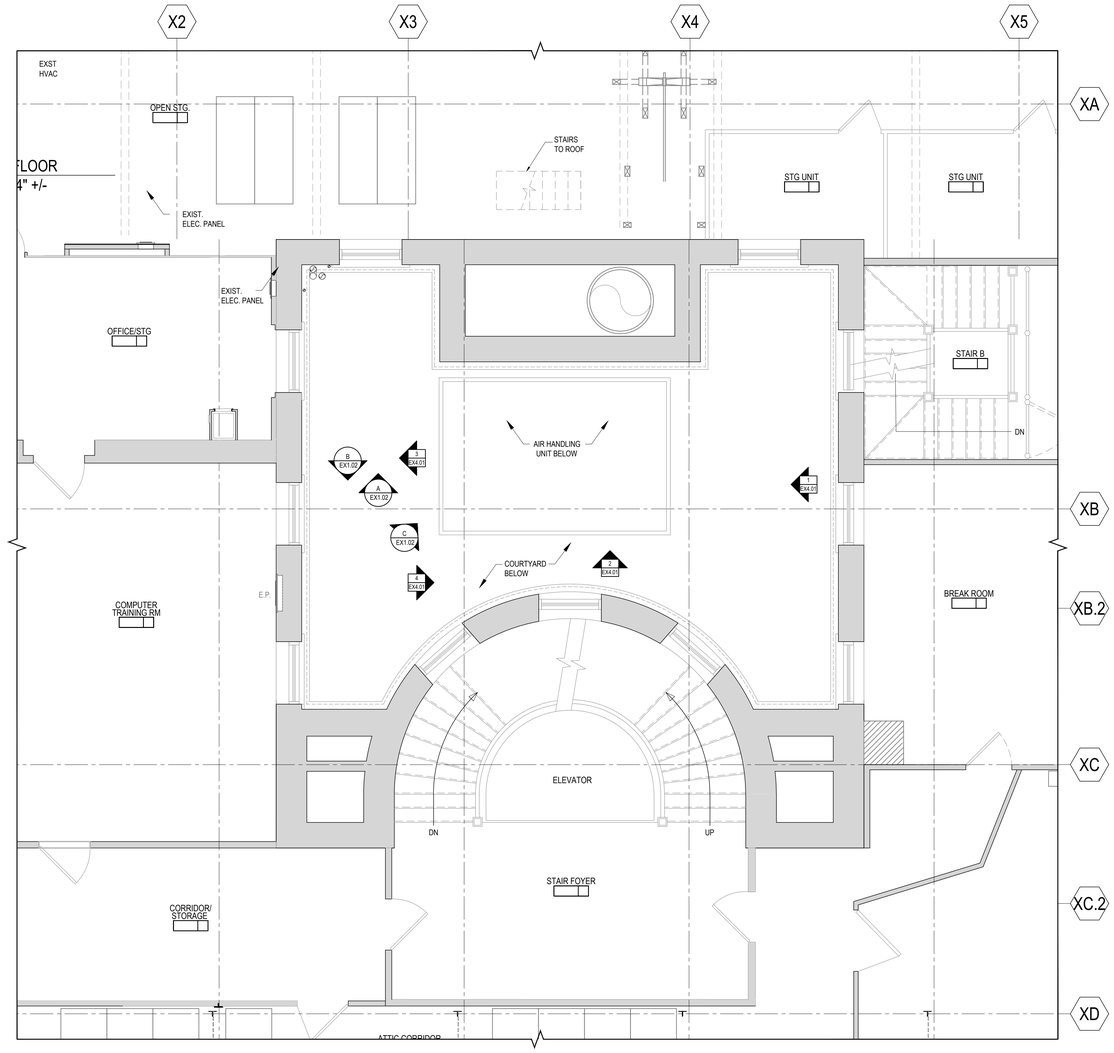
SCALE	1/4"=1'-0"
DRAWN BY	DMT / HC
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

EX1.02



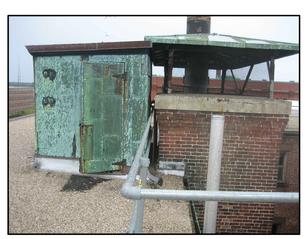
2 ROOF EXISTING PLAN
SCALE: 1/4" = 1'-0"



1 ATTIC FLOOR EXISTING PLAN
SCALE: 1/4" = 1'-0"



A EXT. ROOF -SOUTH VIEW
NOT TO SCALE



B EXT. ROOF -EAST VIEW
NOT TO SCALE

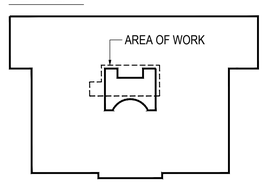


C EXT. ROOF -NORTHEAST VIEW 1
NOT TO SCALE



D EXT. ROOF -NORTHEAST VIEW 2
NOT TO SCALE

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
ATTIC FLOOR & ROOF - EXISTING PLANS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

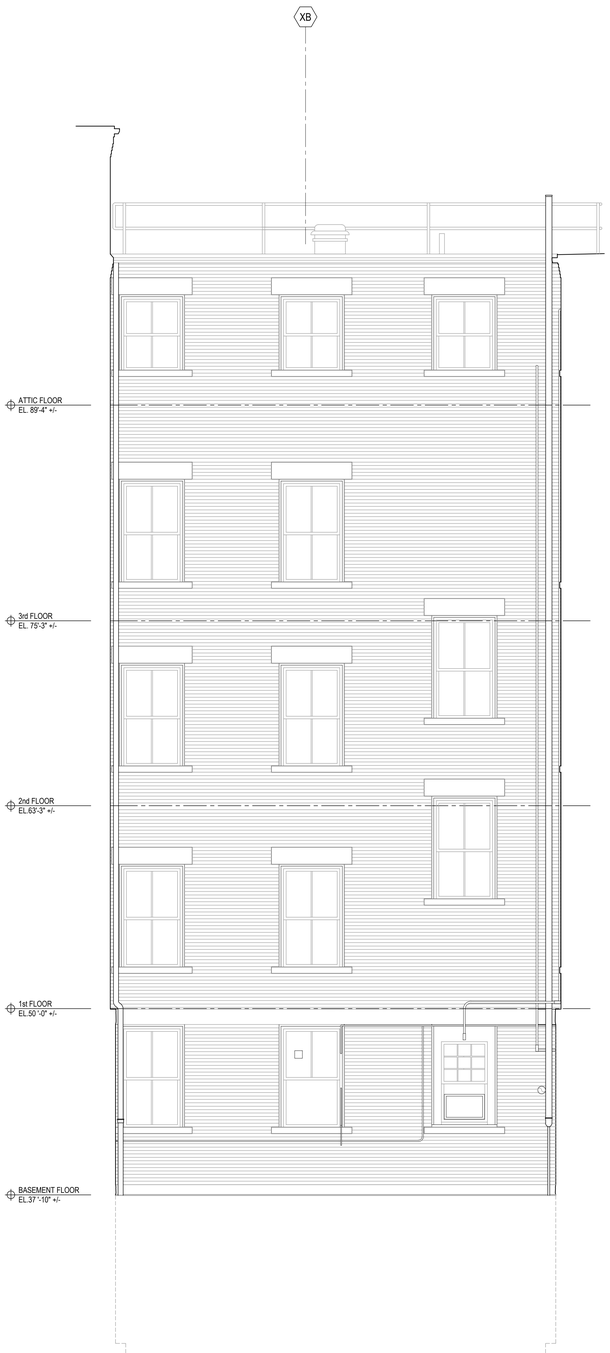
DRAWING INFORMATION

SCALE	1/4"=1'-0"
DRAWN BY	DMT / HC
CHECKED	JF
DATE	FEBRUARY 13, 2019

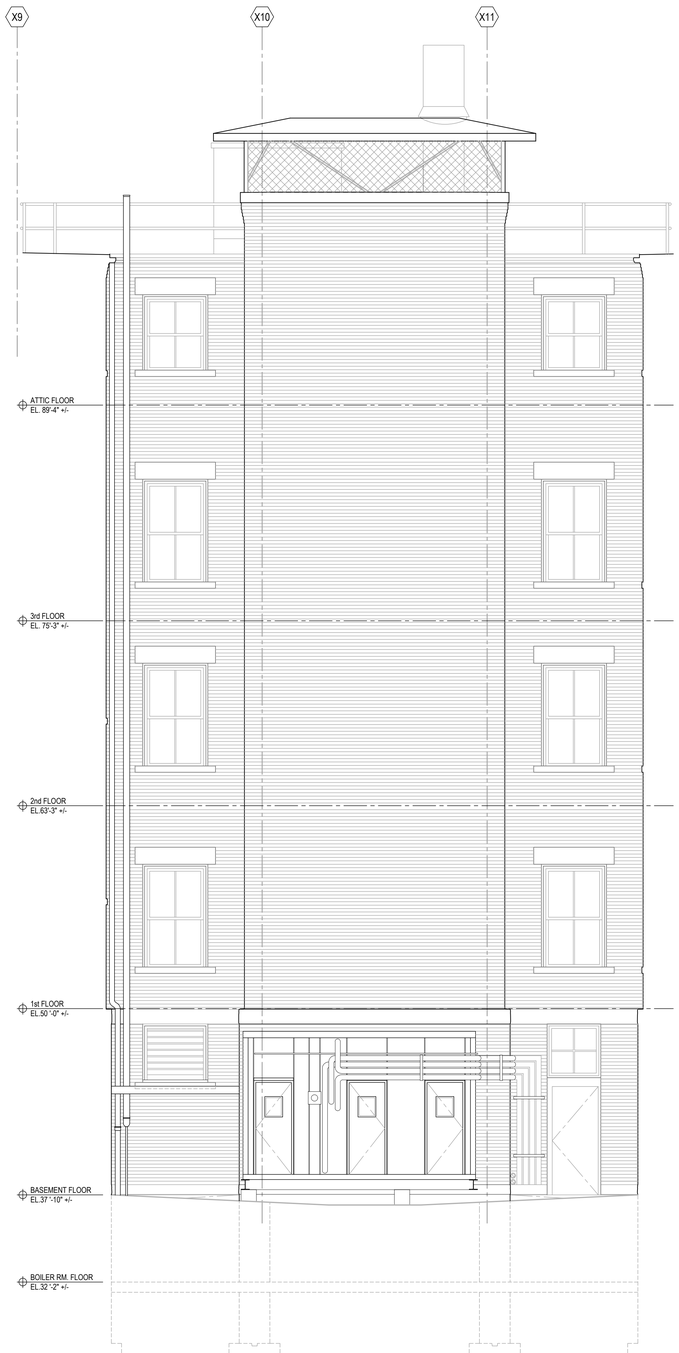
DRAWING NUMBER
EX1.03



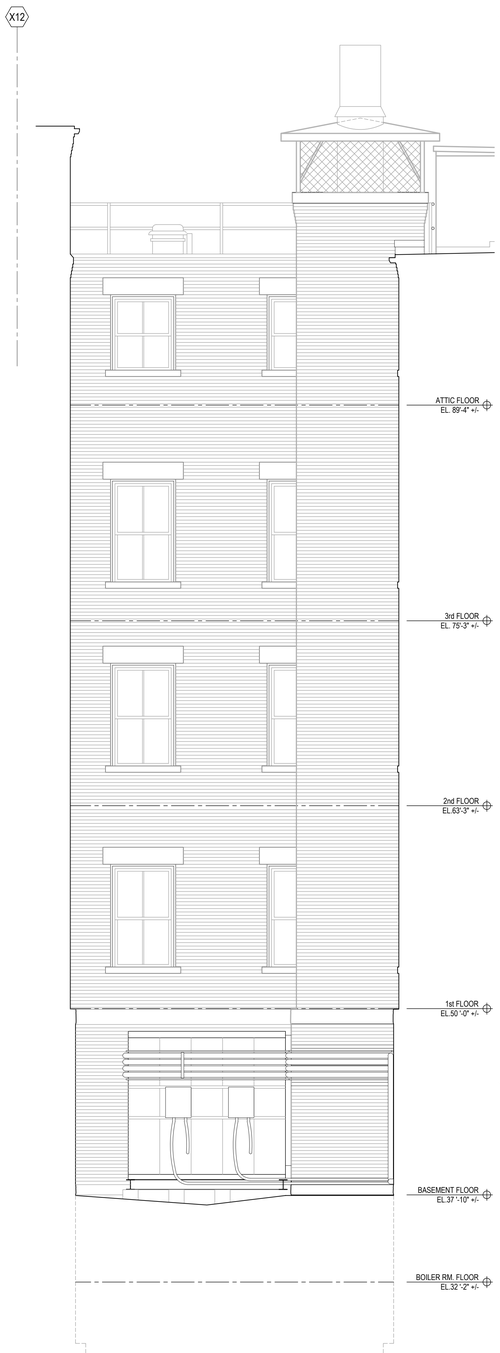
4 EXISTING EXTERIOR ELEVATION-EAST
SCALE: 1/4" = 1'-0"



3 EXISTING EXTERIOR ELEVATION-WEST
SCALE: 1/4" = 1'-0"

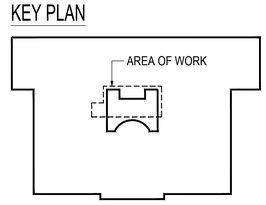


2 EXISTING EXTERIOR ELEVATION-NORTH
SCALE: 1/4" = 1'-0"



1 EXISTING EXTERIOR ELEVATION-WEST
SCALE: 1/4" = 1'-0"

KEY PLAN



NORTH ARROW

N

CONSULTANTS

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

EXISTING EXTERIOR ELEVATIONS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

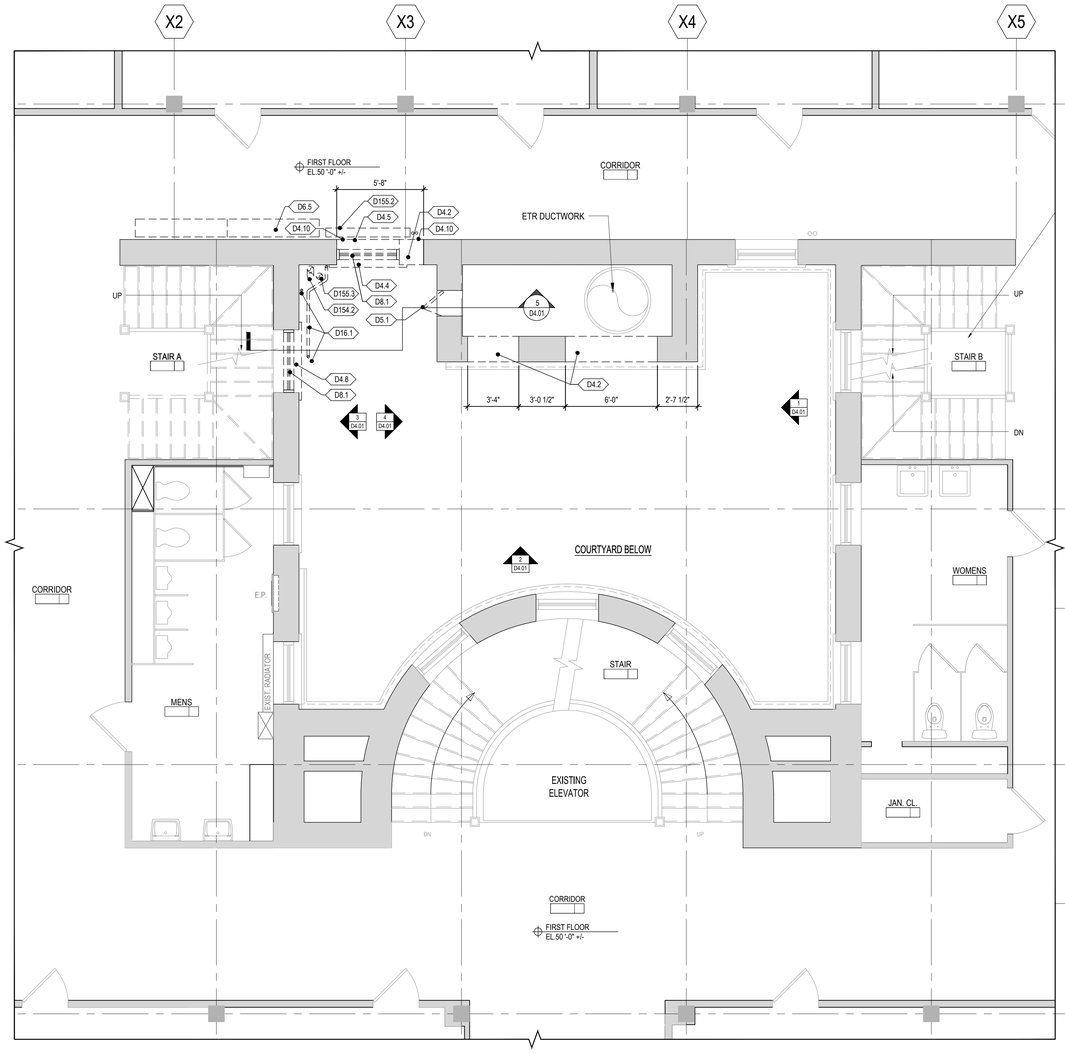
STAMP

DRAWING INFORMATION

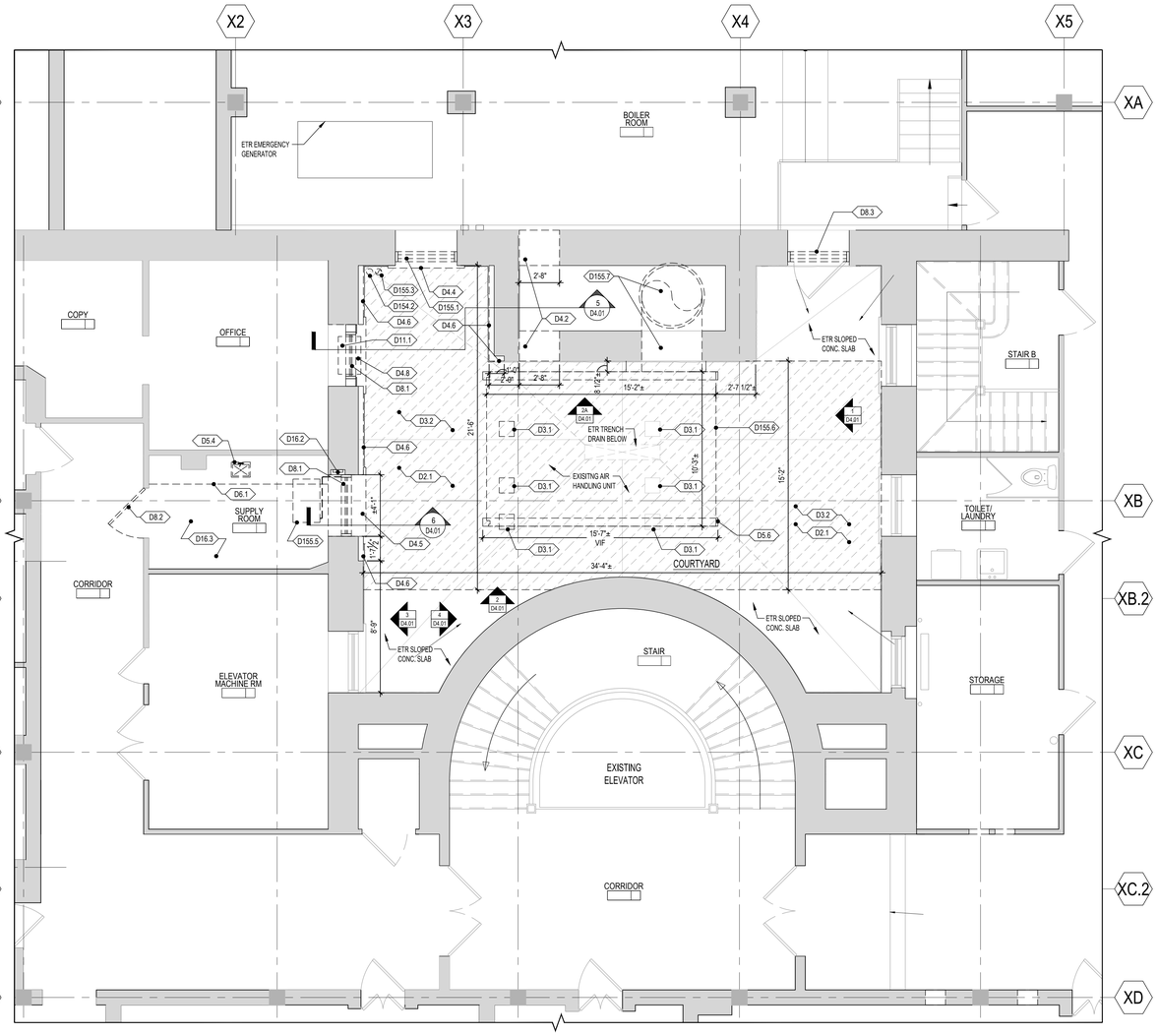
SCALE	1/4"=1'-0"
DRAWN BY	DMT / HC
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

EX4.01



2 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



1 BASEMENT FLOOR/COURTYARD DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

(APPLIES TO DRAWINGS D1.01 THRU D1.04)

FLOOR PLAN DEMOLITION LEGEND

- EXTENTS OF CONC. SLAB REMOVAL (SHOWN DASHED & HATCHED)
- CONCRETE SLAB SCARIFY. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SELECTIVE DEMOLITION (SHOWN DASHED)
- EXISTING WALL TO REMAIN
- EXISTING DOOR AND FRAME TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

DEMOLITION NOTES

GENERAL NOTES

SEE SPECIFICATIONS FOR MORE INFORMATION

A THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO ANY DEMOLITION OR CONSTRUCTION. ANY DISCREPANCIES RELATING TO THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

B THE CONTRACTOR SHALL BE AWARE OF SELECTIVE DEMOLITION AT ALL SECTIONS OF WORK, REVIEWING ALL NEW AND RENOVATION DETAILS TO DETERMINE WHAT IS TO BE REMOVED OR TO REMAIN AND WILL BE RESPONSIBLE FOR REPLACEMENT IN- KIND ALL WORK INADVERTENTLY REMOVED.

C ALL REQUIRED DEMOLITION NOT SPECIFICALLY DESIGNATED AS BEING THE WORK OF OTHER TRADES SHALL BE PERFORMED BY THE GENERAL CONTRACTOR.

D REFER TO SPEC. FOR SUBCONTRACTORS TO RELEASE, REMOVE AND LOWER TO THE FLOOR ALL COMPONENTS, SYSTEMS AND ASSEMBLIES AS INDICATED, SPECIFIED, OR AS REQUIRED TO DO THEIR RESPECTIVE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLING / CUTTING OR OTHERWISE MODIFYING EQUIPMENT AS REQUIRED TO PASS THROUGH EXISTING OPENINGS. G.C. SHALL ALSO BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING OF ALL MATERIALS SO TREATED.

E SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AT LOCATIONS OF NEW OPENINGS IN EXISTING TO REMAIN (ETR) MASONRY WALLS, FLOOR INFILLS AND NEW FLOOR OR ROOF STRUCTURES OR PENETRATIONS.

F THE CONTRACTOR SHALL REMOVE ITEMS TO BE DEMOLISHED AS INDICATED ON THE DRAWINGS WITH CARE BEING TAKEN NOT TO DAMAGE ADJACENT WALLS, CEILINGS, FLOORS, FINISHES, CASEWORK OR MILLWORK SCHEDULED TO REMAIN. THE WORK AREA WILL BE LEFT CLEAN AND READY TO RECEIVE NEW WORK.

G AT LOCATIONS OF MASONRY WALL DEMOLITION WHERE ANY PORTION WILL BE EXPOSED TO VIEW, CONTRACTOR SHALL CUT-OUT EXISTING MASONRY UNITS AT LINE OF NEW MEETING EXISTING AND MASON SHALL TOOTH-IN NEW, TO ALLOW NEW AND EXISTING MASONRY SIZE COURSING AND FINISH TO GIVE A CONTINUOUS APPEARANCE. AT LOCATIONS OF MASONRY WALL DEMO PERPENDICULAR TO AN EXISTING MASONRY WALL THAT WILL BE EXPOSED, CONTRACTOR SHALL CUT OUT DAMAGED UNITS TO A MINIMUM DEPTH OF 3" TO ALLOW FOR MASONRY SOAP PATCHING (TO MATCH EXISTING ADJACENT) AND MAINTAIN CONTINUOUS APPEARANCE W/ ETR ADJACENT. PROVIDE TEMPORARY SUPPORT AT LOCATION OF NEW OPENINGS.

H REFER TO SPEC. FOR PATCH AND REPAIR SCOPE OF ALL EXISTING TO REMAIN WALLS, FLOORING, AND CEILINGS DAMAGED DURING DEMOLITION OR REMOVAL OF EXISTING CONSTRUCTION. THIS INCLUDES PATCH & REPAIR DUE TO WORK PERFORMED BY ALL SUBCONTRACTORS. REFER TO DEMO AND ARCHITECTURAL DRAWINGS FOR OTHER AREAS OF PATCHING, REPAIR AND INFILL.

I REFER TO SPEC. FOR PROVIDING SMOOTH, CLEAN SURFACES PREPARED TO RECEIVE NEW INFILL AND / OR FINISHES (AS SCHEDULED) AT ALL MISCELLANEOUS OPENINGS, DEPRESSIONS OR VOIDS LEFT AFTER DEMOLITION. CONTRACTOR TO PROVIDE INFILL OR PATCHING OF ALL SUCH AREAS TO MATCH EXISTING ADJACENT SURFACES.

J PROVIDE MASONRY OPENINGS AND ROUGH OPENINGS AS REQ'D FOR NEW MECHANICAL, ELECTRICAL, OR PLUMBING - COORDINATE W/ M, E, & P DRAWINGS. SEE ROOM FINISH SCHEDULE AND PARTITION TYPES FOR EXISTING WALL MATERIALS (V/F). PROVIDE LOOSE LINTEL SUPPORT AS REQUIRED BY METAL FABRICATIONS & INSTALLED BY MASON. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND TYPICAL SCHEDULES AND TYPICAL SCHEDULES.

K CONTRACTOR TO REMOVE ALL LOOSE FURNITURE LEFT IN SPACES AND DISPOSE OF.

DIVISION 2 - SITEWORK

D2.1 EXCAVATION OF SOIL TO EXTENTS AS INDICATED IN PLAN. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

DIVISION 3 - CONCRETE

D3.1 SAWCUT & REMOVE EXISTING CONCRETE PIERS AT AIR HANDLING UNIT IN THEIR ENTIRETY, TYPICAL OF 6.

D3.2 SAW CUT AND REMOVE 4" (V/F) CONCRETE SLAB ON GRADE (AREA SHOWN HATCHED ON DEMO PLANS).

D3.3 REMOVE BRICK INTERIOR WALLS AS INDICATED ON PLAN.

DIVISION 4 - MASONRY

D4.1 CONTRACTOR TO PROVIDE TEMPORARY SUPPORT AND REMOVE PORTION OF BRICK AND/OR C.M.U. WALL AS NOTED.

D4.2 CONTRACTOR TO PROVIDE TEMPORARY SUPPORT AND REMOVE PORTION OF EXISTING WALL INCLUDING BUT NOT LIMITED TO, BRICK WITH MULTIPLE WYTHES & CAST STONE HEAD AT LOCATION OF NEW DOOR, WINDOW, OR OTHER OPENING(S). MASON SHALL PERFORM SAW-TOOTH REMOVAL AND PATCHING TO MATCH EXISTING WITH BRICKS.

D4.3 REMOVE EXISTING BRICK VENEER AND TOOTH IN BRICK TO MATCH EXISTING ADJACENT.

D4.4 REMOVE CAST STONE WINDOW SILL IN ITS ENTIRETY.

D4.5 SAWCUT AND REMOVE PORTION OF EXTERIOR LOW WALL MASONRY SYSTEM BELOW WINDOW AS INDICATED IN DWGS.

D4.6 REMOVE PORTION OF OUTER WYTHE FACE BRICK, CAST STONE BAND & SILL AS INDICATED IN PLAN, BACK TO F.O. ADJACENT BRICK AT 1ST FLOOR ABOVE.

D4.7 REMOVE OUTER FACES OF CORBELED BRICK BACK TO F.O. ADJACENT BRICK & CAST STONE HEAD, WHERE APPLICABLE.

D4.8 SAWCUT FACE OF CAST STONE SILL FLUSH WITH ADJACENT EXISTING FACE BRICK.

D4.9 REMOVE 4 COURSES OF OUTER WYTHE FACE BRICK AS INDICATED IN DWGS. SAWTOOTH REMOVAL @ EACH END. SAWCUT CONTINUOUS 1" DEEP REGLET IN 3rd HIGHEST MORTAR JOINT @ EXISTING TO REMAIN INNER WYTHE FACE BRICK, SEE SECTION 6/D4.01.

D4.10 SAWCUT MARBLE CHAIR RAIL, WAINSCOT & TERRAZZO BASE AS REQUIRED FOR NEW WORK.

DIVISION 5 - METALS

D5.1 REMOVE EXTERIOR METAL ACCESS DOOR AND FRAME IN ITS ENTIRETY.

D5.2 REMOVE EXTERIOR METAL GUTTER SYSTEM IN ITS ENTIRETY. EXISTING RAIN WATER LEADER TO REMAIN, UNLESS OTHERWISE NOTED.

D5.3 REMOVE PORTION OF EXISTING ROOF GUARDRAIL SYSTEM TO EXTENTS SHOWN IN PLAN.

D5.4 REMOVE SINK IN ENTIRETY & ALL WALL MOUNTED RELATED ACCESSORIES.

D5.5 RELOCATE METAL STORAGE SHELVES.

D5.6 TEMPORARILY REMOVE & RELOCATE EXISTING STEEL DUNNAGE, IN ITS ENTIRETY TO SE CORNER OF COURTYARD. SEE STRUCT. DRAWINGS FOR ADDITIONAL INFORMATION.

DIVISION 6 - WOOD & PLASTICS

D6.1 REMOVE EXISTING CASEWORK AND/OR COUNTERTOPS/SHELVING AND ALL RELATED ATTACHMENTS.

D6.2 REMOVE WOOD CHAIRAIL AND ALL RELATED ATTACHMENTS.

D6.3 REMOVE WOOD TRIM AND ALL RELATED ATTACHMENTS.

D6.4 REMOVE WOOD SILL AND APRON IN THEIR ENTIRETY.

D6.5 REMOVE PORTION OF DISPLAY CASE AS INDICATED, STORE AND RELOCATE.

D6.6 REMOVE WOOD STORAGE UNIT AND ALL RELATED ACCESSORIES.

DIVISION 7 - THERM. & MOIST. PROTECTION

D7.1 REMOVE METAL FASCIA & FASTENERS IN THEIR ENTIRETY TO EXTENTS SHOWN IN PLAN.

D7.2 REMOVE METAL FLASHING & COUNTERFLASHING IN THEIR ENTIRETY.

DIVISION 8 - DOORS & WINDOWS

D8.1 REMOVE WINDOW AND ALL RELATED ATTACHMENTS & ASSOCIATED CASINGS AND TRIMWORK.

D8.2 REMOVE DOOR AND ALL RELATED ATTACHMENTS.

D8.3 REMOVE TRANSOM WINDOW IN ITS ENTIRETY, EXISTING DOOR & FRAME BELOW TO REMAIN.

DIVISION 9 - FINISHES

D9.1 REMOVE PLASTER, GWB. AND/OR FIBER CEILING, FRAMING SYSTEM AND ALL RELATED ATTACHMENTS.

D9.2 REMOVE WOOD PANELING WALL FINISH FURRING AND ALL RELATED ATTACHMENTS.

D9.3 REMOVE WOOD FRAMED WALL SYSTEM, FINISHES & ALL RELATED ATTACHMENTS TO EXTENTS SHOWN IN PLAN.

D9.4 REMOVE CARPET & ALL RELATED ATTACHMENTS.

DIVISION 11 - EQUIPMENT

D11.1 REMOVE WINDOW MOUNTED AC UNIT.

DIVISION 15 - M/P

15400-PLUMBING (SEE PLUMBING DRAWINGS)

D154.1 REMOVE PLUMBING FIXTURE AND ALL RELATED HARDWARE.

D154.2 REMOVE CAST IRON RAIN WATER LEADER AND ALL RELATED ATTACHMENTS.

15500-MECHANICAL (SEE MECHANICAL DRAWINGS)

D155.1 REMOVE MECHANICAL LOUVER AND ALL RELATED ATTACHMENTS.

D155.2 REMOVE CABINET UNIT HEATER AND ALL RELATED ACCESSORIES.

D155.3 REMOVE EXTERIOR METAL EXHAUST PIPING AND ALL RELATED ACCESSORIES.

D155.4 REMOVE EXTERIOR METAL PIPING IN ITS ENTIRETY.

D155.5 REMOVE CEILING MOUNTED AC UNIT AND ALL RELATED ACCESSORIES.

D155.6 TEMPORARILY REMOVE & RELOCATE EXISTING AIR HANDLING UNIT IN ITS ENTIRETY, TO SE CORNER OF COURTYARD. SEE STRUCT., MECH. & ELEC. DEMO DRAWINGS FOR ADDITIONAL INFORMATION.

D155.7 REMOVE PORTION OF DUCTWORK FROM REAR OF EXISTING AIR HANDLING UNIT TO ETR CHIMNEY DUCT. SEE MECH. DEMO DRAWINGS FOR ADDITIONAL INFORMATION.

D155.8 REMOVE PORTION OF CHILLER REFRIGERANT LINES. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION & EXTENTS.

DIVISION 16 - ELECTRICAL (SEE ELECTRICAL DRAWINGS)

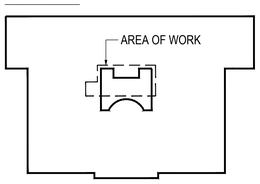
D16.1 REMOVE EXTERIOR ELECTRICAL METAL CONDUIT, WIRING AND ALL RELATED ATTACHMENTS.

D16.2 REMOVE ELECTRICAL PANEL & SWITCH LOCATED AT FURRED OUT EXTERIOR WALL AT WINDOW. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

D16.3 ALL LIGHTS, EXPOSED BOXES W/ OUTLETS, SWITCHES, EXPOSED CONDUIT TO BE REMOVED IN SUPPLY ROOM.

D16.4 REMOVE PORTION OF CHILLER ELECTRICAL LINES. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION & EXTENTS.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
BASEMENT & FIRST FLRS. - DEMOLITION PLANS, KEYNOTES & GENERAL NOTES

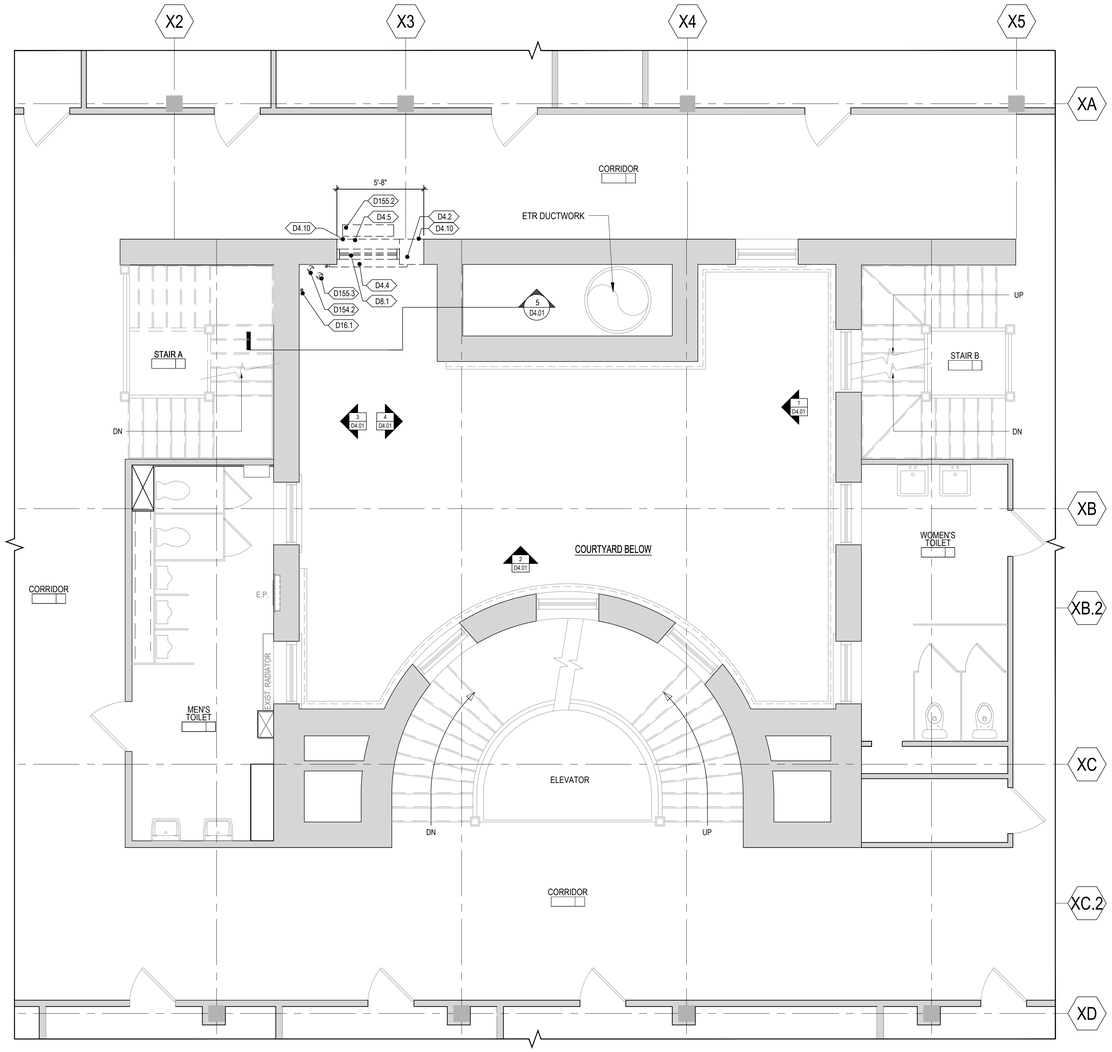
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

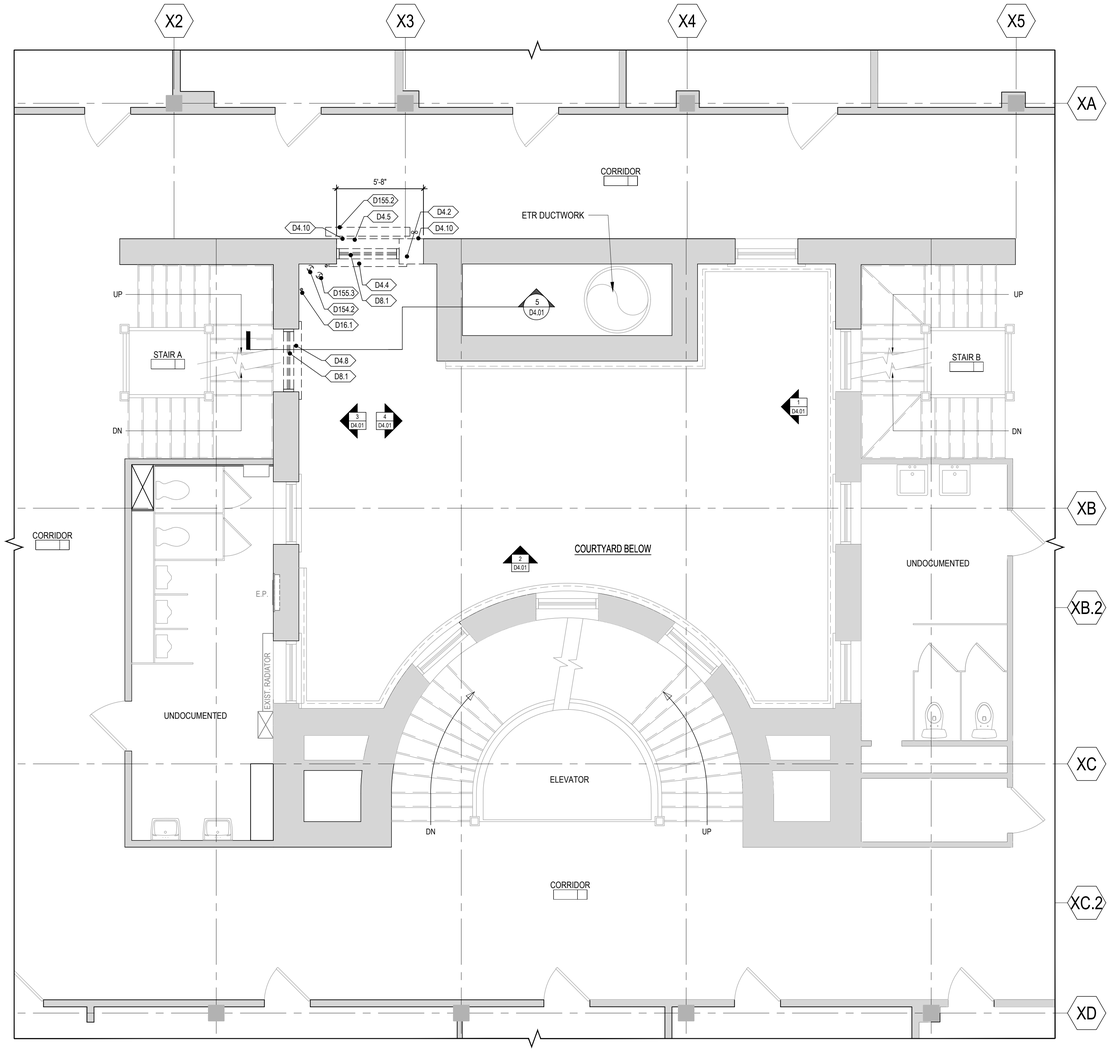
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT / H.C.
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
D1.01



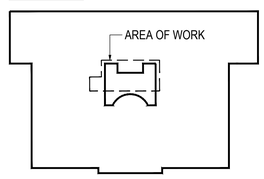
2 THIRD FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



1 SECOND FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

SEE D1.01 FOR DEMOLITION NOTES AND KEYNOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
SECOND & THIRD FLRS. - DEMOLITION PLANS

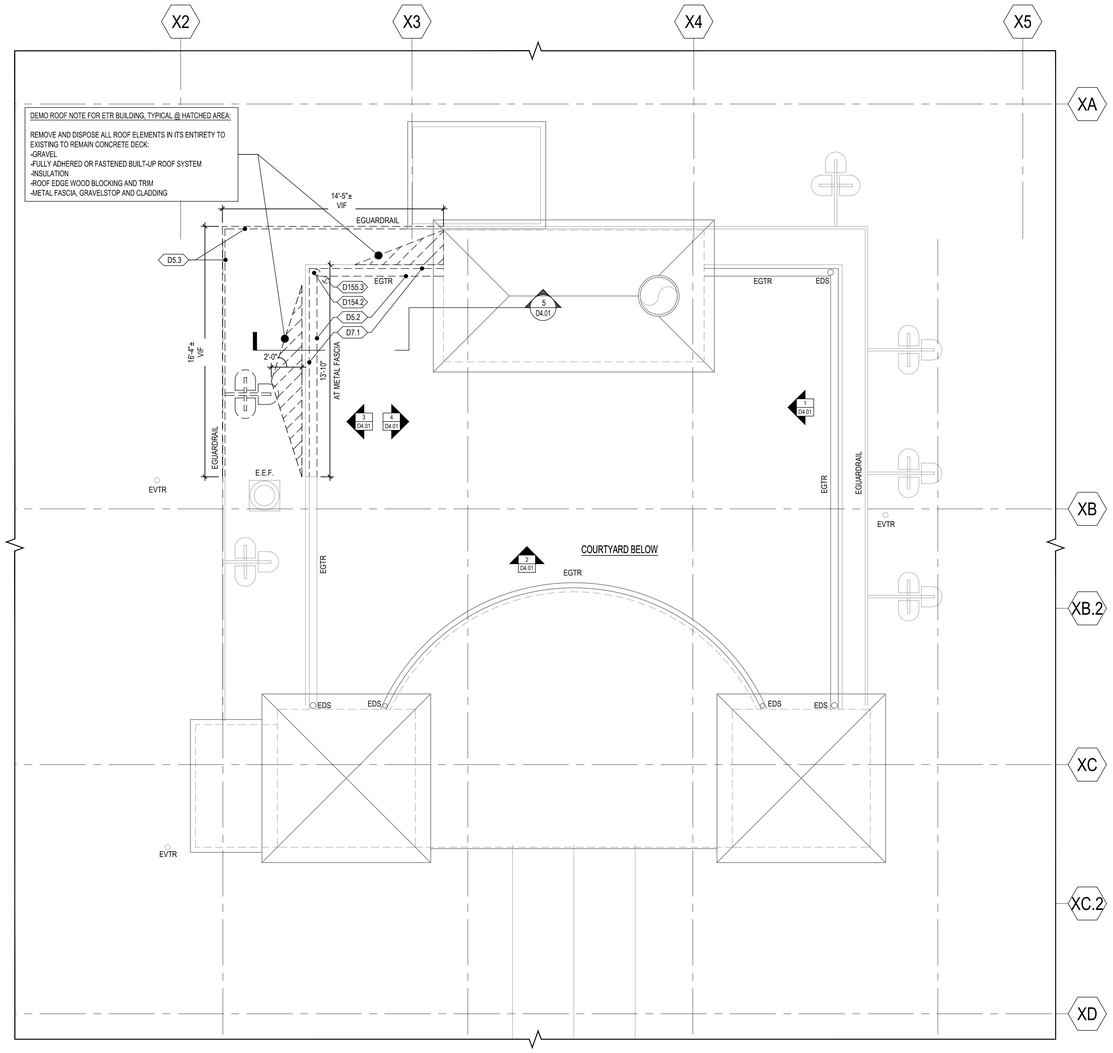
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

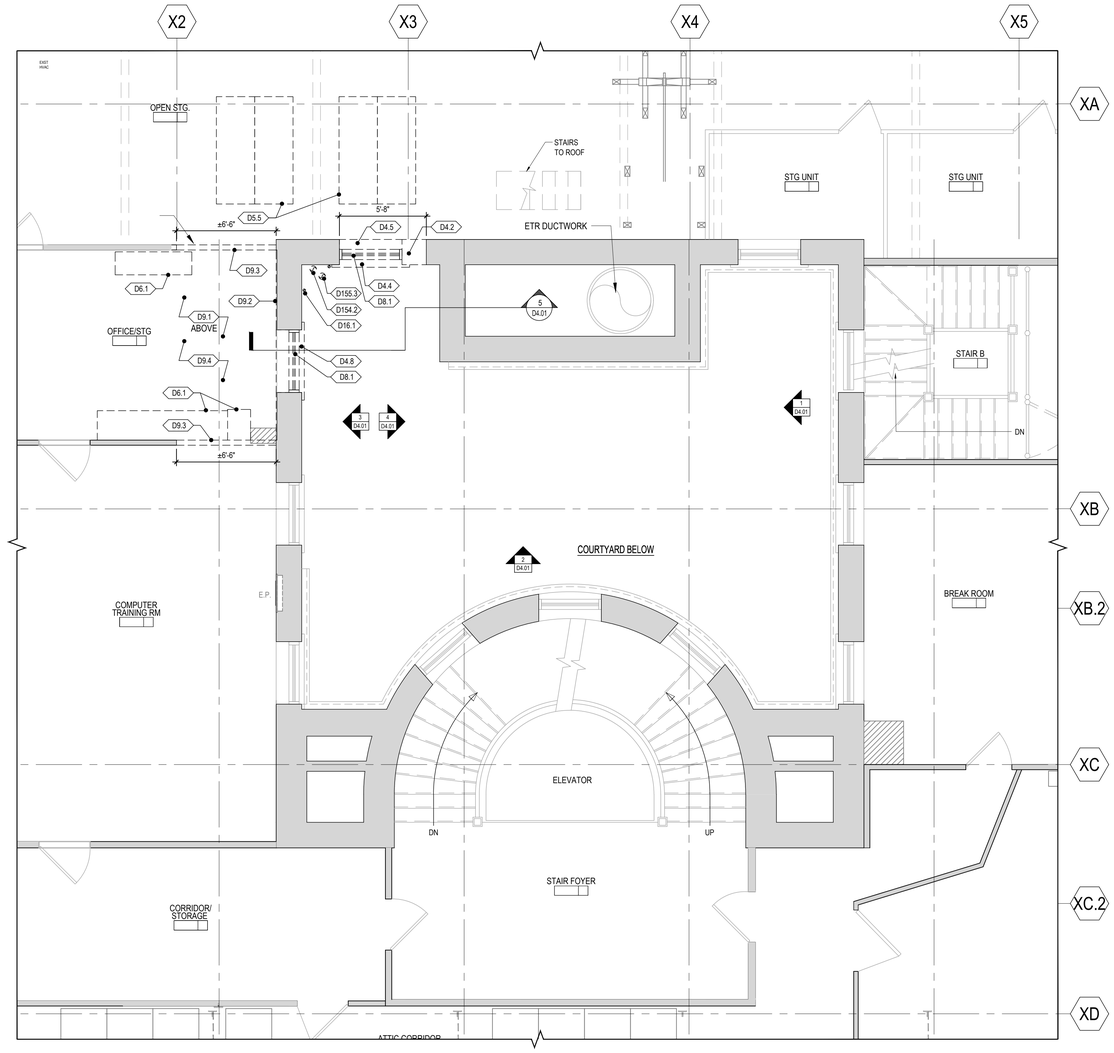
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT / H.C.
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
D1.02



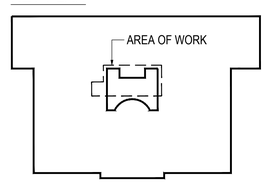
2 ROOF DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



1 ATTIC FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

SEE D1.01 FOR DEMOLITION NOTES AND KEYNOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
ATTIC FLOOR & ROOF - DEMOLITION PLANS

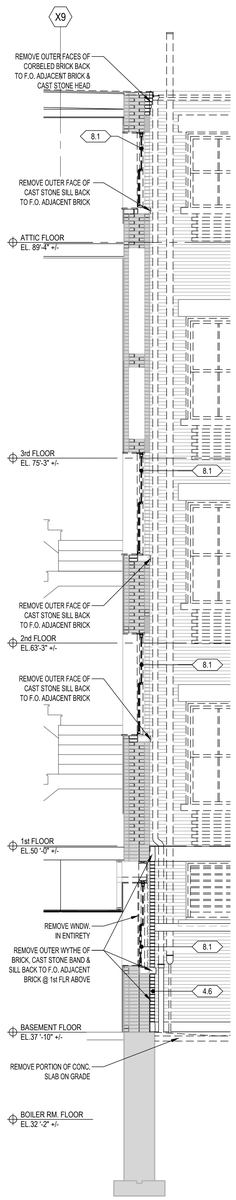
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

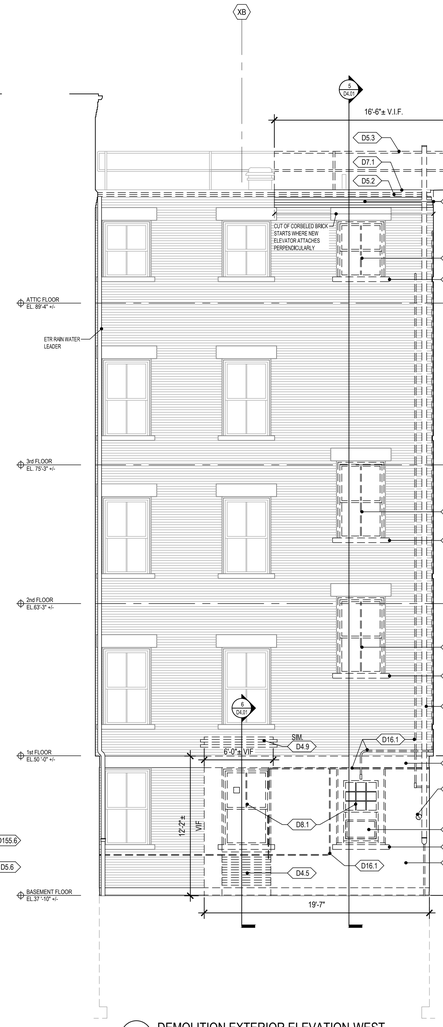
DRAWING NUMBER
D1.03



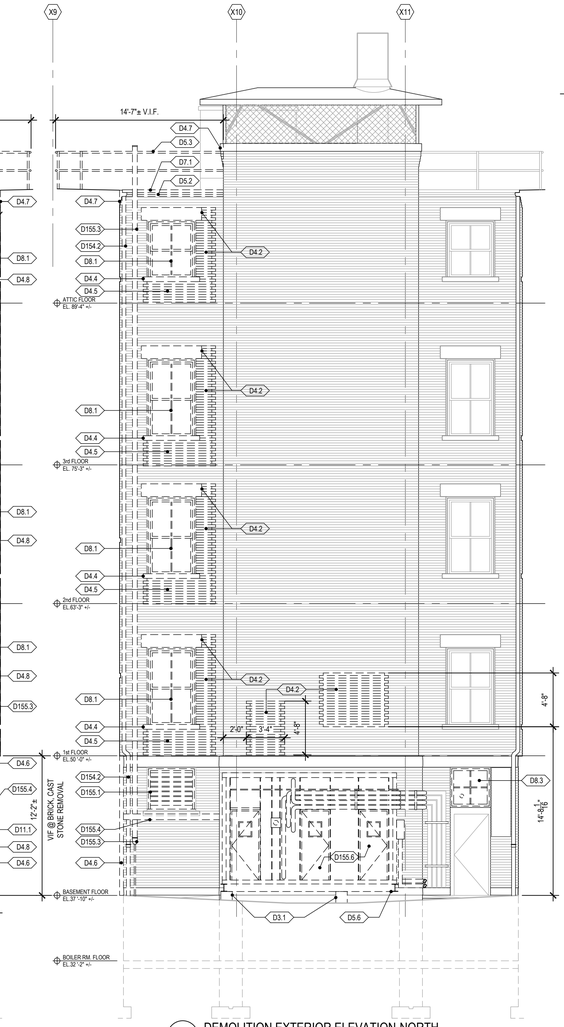
5 DEMOLITION SECTION
SCALE: 1/4" = 1'-0"



4 DEMOLITION EXTERIOR ELEVATION-EAST
SCALE: 3/16" = 1'-0"



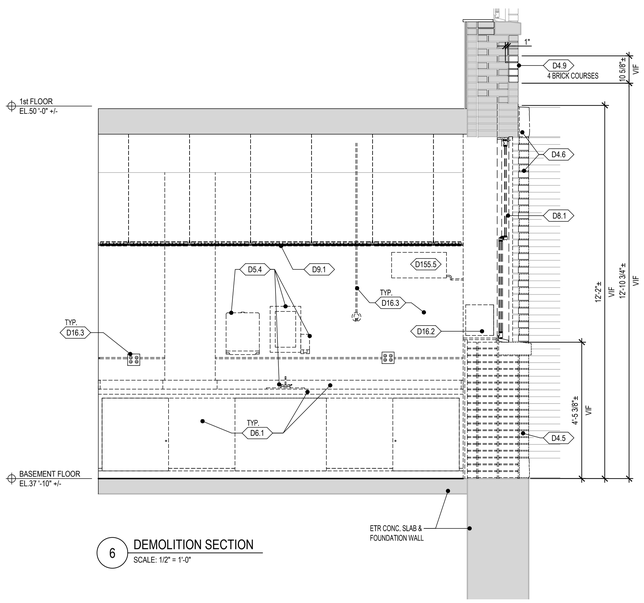
3 DEMOLITION EXTERIOR ELEVATION-WEST
SCALE: 3/16" = 1'-0"



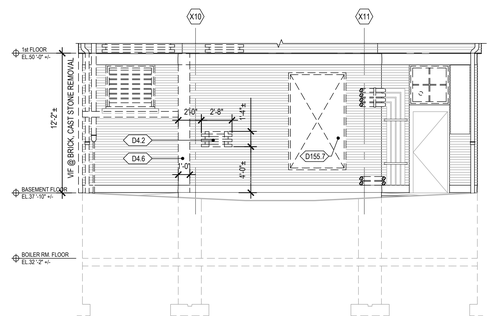
2 DEMOLITION EXTERIOR ELEVATION-NORTH
SCALE: 3/16" = 1'-0"



1 DEMOLITION EXTERIOR ELEVATION-WEST
SCALE: 3/16" = 1'-0"



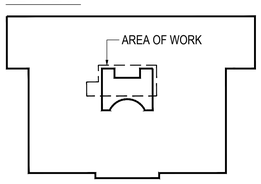
6 DEMOLITION SECTION
SCALE: 1/2" = 1'-0"



2A DEMOLITION PARTIAL EXTERIOR ELEVATION-NORTH
SCALE: 3/16" = 1'-0"

SEE D1.01 FOR DEMOLITION NOTES AND KEYNOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

DEMOLITION EXTERIOR ELEVATIONS

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

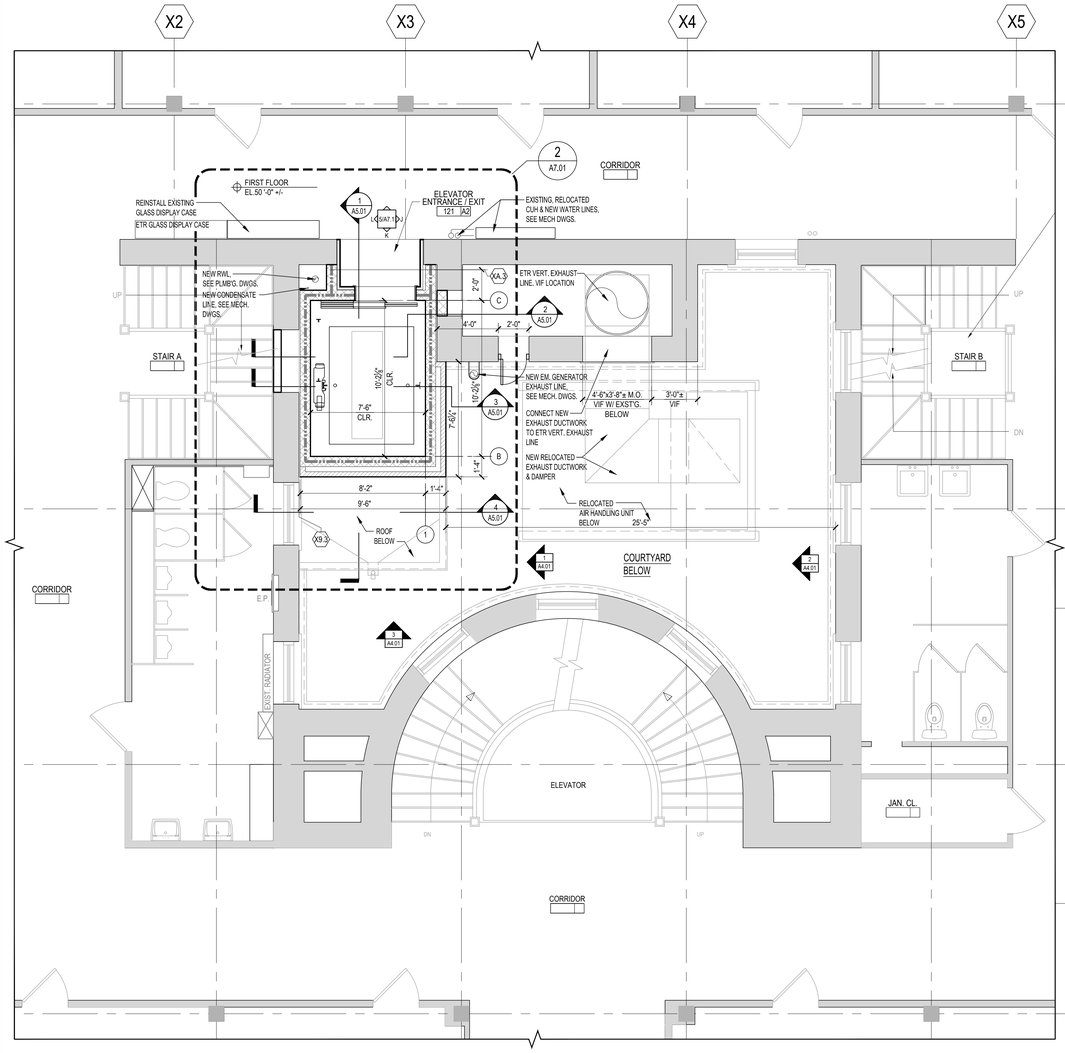
STAMP

DRAWING INFORMATION

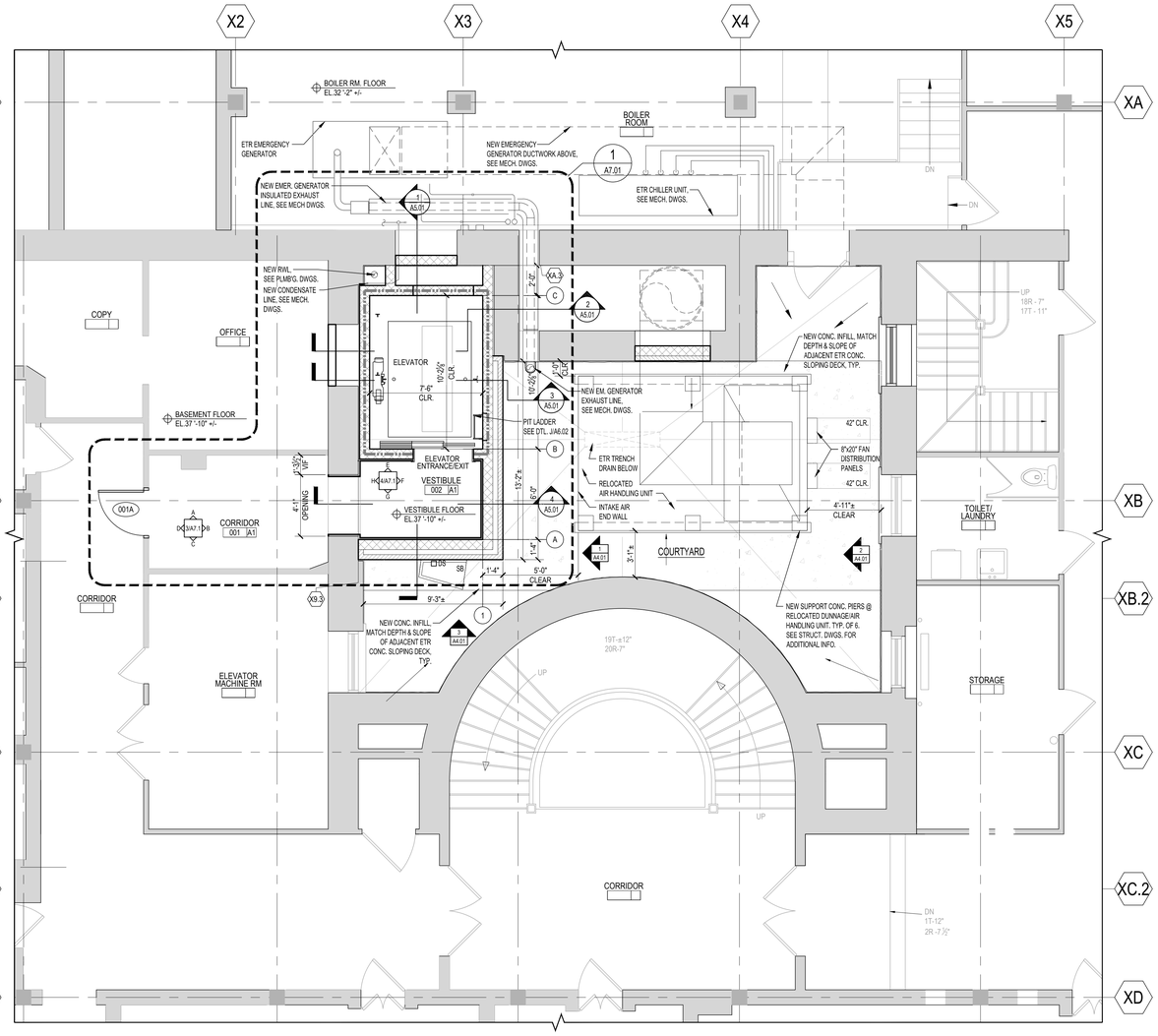
SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

D4.01



2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 BASEMENT FLOOR/COURTYARD PLAN
SCALE: 1/4" = 1'-0"

ROOM FINISH LEGEND				
KEY	FLOOR FINISH	BASE FINISH	WALL FINISH	REMARKS
A1	VCT	RESILIENT	PAINT	-
A2	TERRAZZO (TO MATCH EXISTING)	OAK BASE BOARD, PROFILE,STAIN & POLY TO MATCH EX. TYP. DOOR CASING BASE	PAINT	-
				-

GENERAL NOTES:

1. SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISHES.
2. SEE INTERIOR ELEVATIONS FOR MATERIAL AND FINISH HEIGHTS.
3. ACCESS PANELS TO BE PAINTED TO MATCH ADJACENT COLOR.

REMARKS:

A. SEE PLANS FOR FLOOR FINISH LOCATIONS/ CHANGES IN FLOOR FINISH.

B. SEE ELEVATIONS FOR WALL FINISH LOCATIONS/CHANGES IN WALL FINISH.

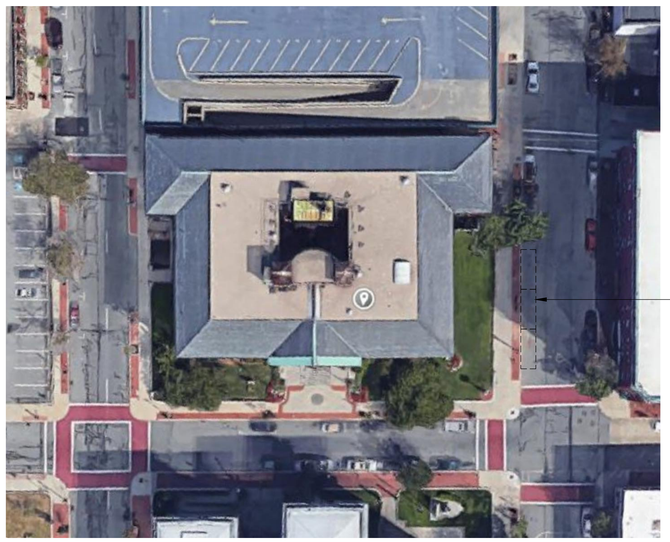
C. SEE INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISHES.

D. PAINT NEW WALL & DOOR ONLY

LEGEND

CEMENTITIOUS UNDERLAYMENT INFILL

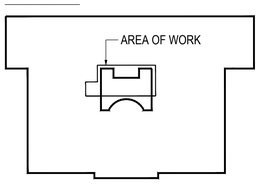
CONCRETE SLAB INFILL



NOTE:
UP TO THREE (3) PARKING SPACES CAN BE ALLOTTED FOR CONTRACTOR'S LAY DOWN AREA. CONTRACTOR TO OBTAIN ALL PERMIT COSTS & EXPENSES.

SEE A1.02 FOR PARTITION TYPES & NOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

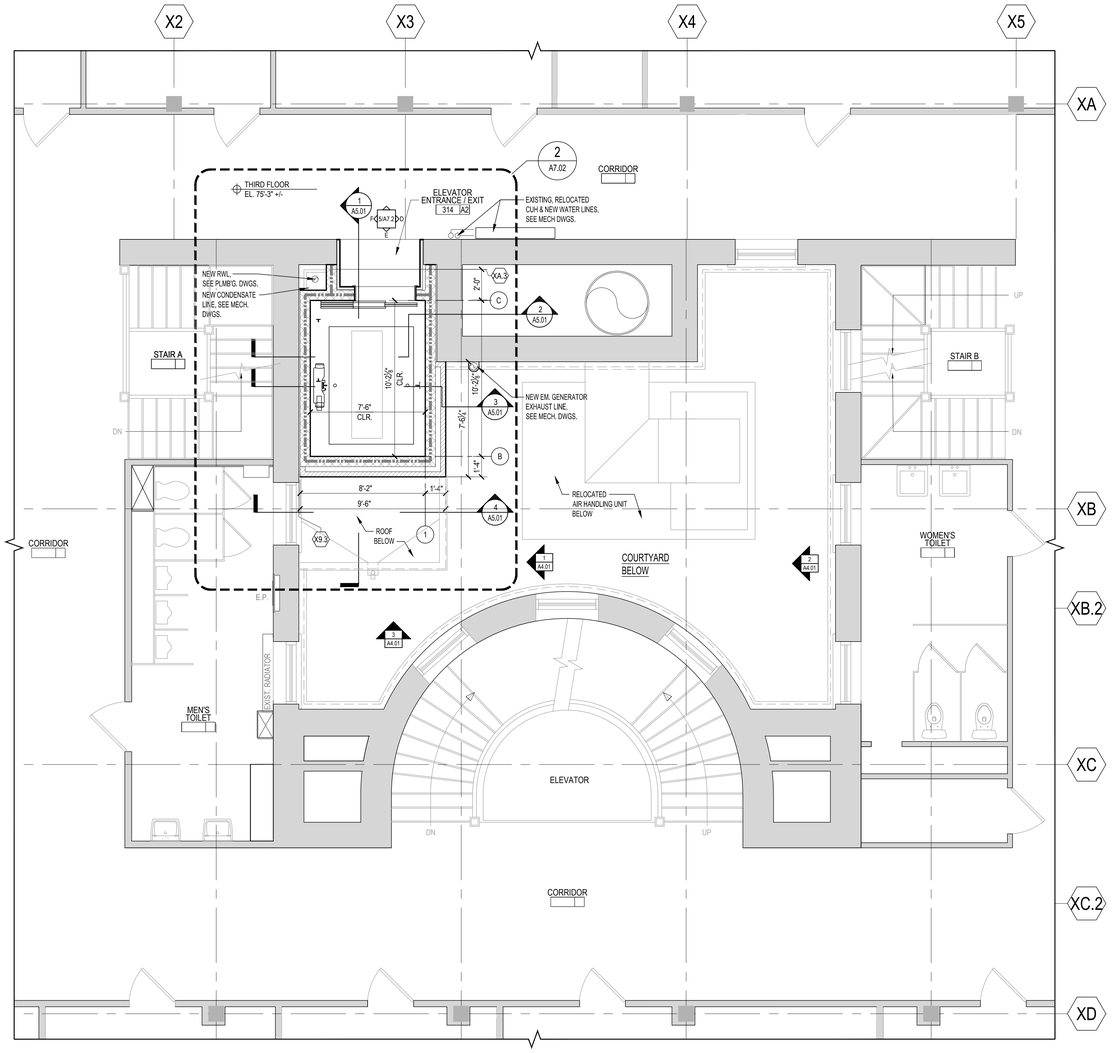
DRAWING TITLE
BASEMENT & FIRST FLOOR PLANS & ROOM FINISH SCHEDULE

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

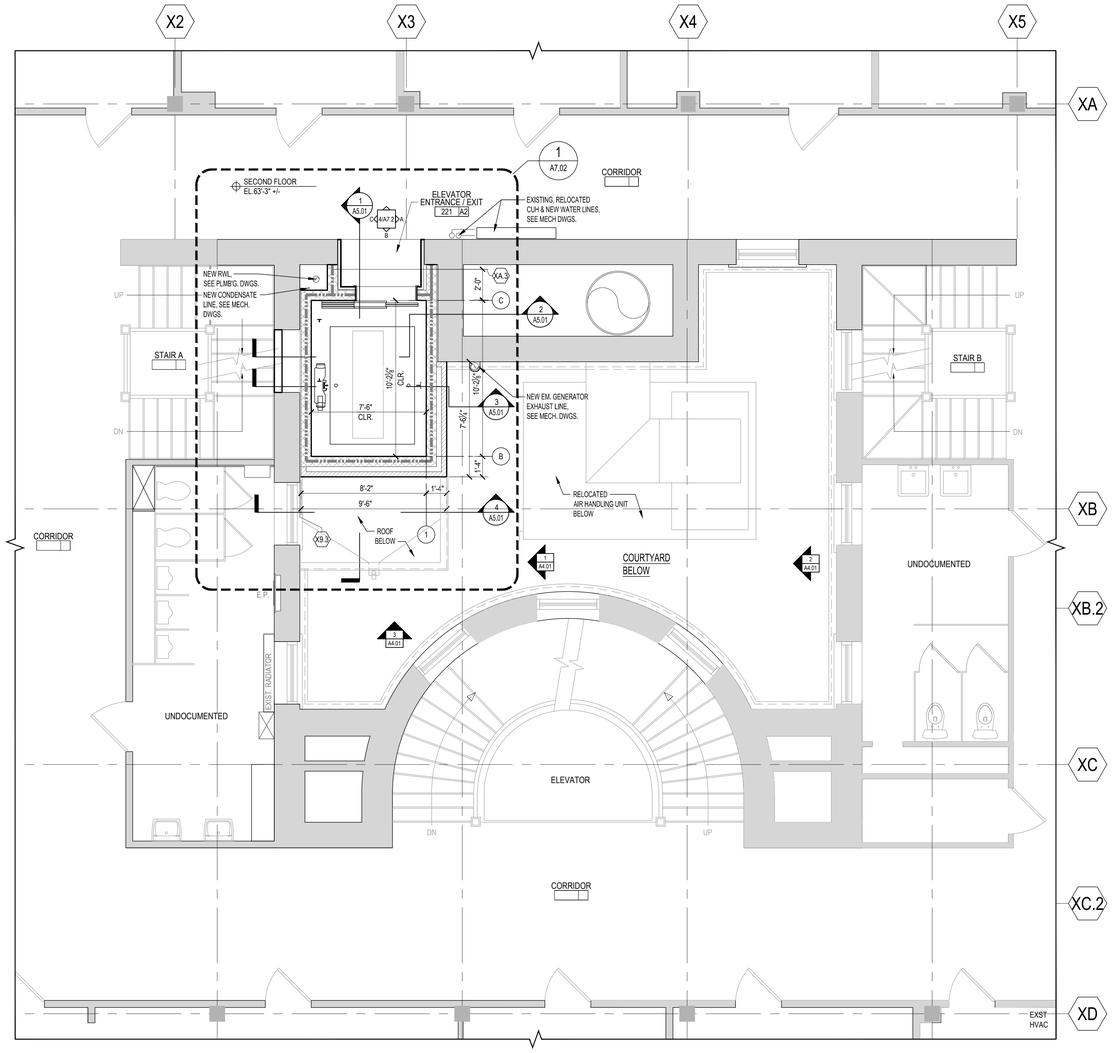
STAMP

DRAWING INFORMATION	
SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
A1.01



2 THIRD FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

GYPSUM WALL BOARD LOCATIONS AND TYPE

AT SINGLE LAYER OF ALL GYPSUM BOARD PARTITIONS USE: 5/8" ABUSE RESISTANT GYPSUM WALLBOARD, FULL HEIGHT

AT DOUBLE LAYER OF ALL GYPSUM WALLBOARD PARTITIONS:
INNER LAYER - USE 5/8" GYPSUM WALLBOARD, FULL HEIGHT
OUTER LAYER - USE 5/8" ABUSE RESISTANT WALLBOARD, FULL HEIGHT

AT OUTER LAYER OF GYPSUM WALLBOARD PARTITIONS BEHIND CERAMIC TILE IN KITCHEN AND SHOWERS, USE: 5/8" CEMENT BOARD

AT OUTER LAYER OF ALL GYPSUM WALLBOARD PARTITIONS ABOVE CERAMIC TILE OF THE WALL, USE: 5/8" WATER, MOLD AND MILDEW RESISTANT GYPSUM WALLBOARD

PARTITION TYPE GENERAL NOTES

1. SEE STRUCTURAL DRAWINGS FOR C.M.U. REINFORCING AND STEEL CROSS BRACING.

2. SEE STRUCTURAL DRAWINGS FOR STABILIZING ANGLES SIZES, SPACING, AND LOCATIONS.

3. INSTALL FIRE-STOPPING AT FIRE RATED ASSEMBLIES.

4. INSTALL SMOKE SEALS AT NON FIRE RATED ASSEMBLIES.

5. INSTALL WOOD BLOCKING IN METAL STUD PARTITIONS FOR WALL MOUNTED ASSEMBLIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: FIRE EXTINGUISHERS AND ALL MILLWORK.

6. INSTALL J BEAD AND SEALANT AT INTERSECTIONS OF DISSIMILAR MATERIALS.

7. INSTALL CORNER GUARDS AT ALL OUTSIDE GYPSUM BOARD CORNERS.

8. DIMENSION STRINGS ARE FROM COLUMN LINES TO CENTER LINE OF INTERIOR METAL STUD WALLS UNLESS OTHERWISE NOTED. METAL STUDS AND CMU ARE TO BE CENTERED ON COLUMN LINES UNLESS OTHERWISE NOTED ON OTHER DRAWINGS.

9. SUBSTITUTE SOUND ATTENUATION BLANKET WITH MINERAL WOOL AT FIRE RATED PARTITION LOCATIONS.

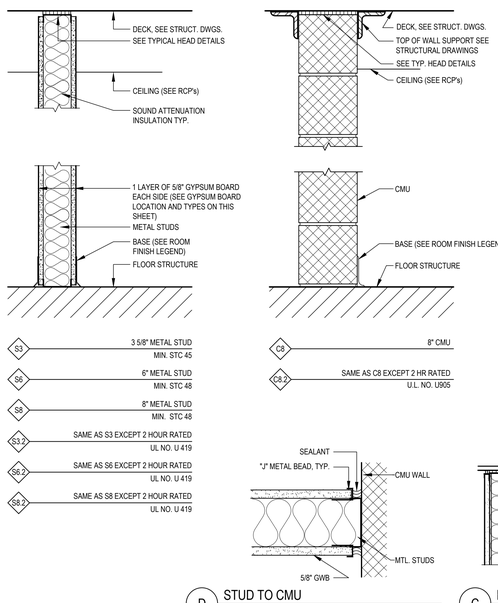
10. SEE EXTERIOR ELEVATIONS ON A4 SERIES FOR BRICK VENEER TYPES.

11. REFER TO ROOM FINISH LEGEND FOR WALL AND BASE FINISHES PAINT ALL EXPOSED SURFACES UNLESS OTHERWISE NOTED.

12. ALL PARTITIONS EXTEND TO STRUCTURE ABOVE.

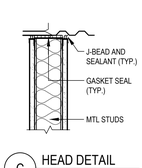
13. SEE INTERIOR ELEVATIONS FOR WAINSCOTTING.

14. SOUND ATTENUATION THICKNESS TO BE NO LESS THAN THE WIDTH OF THE STUD.

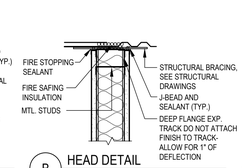


4 INTERIOR PARTITION TYPES
SCALE: 1-1/2" = 1'-0"

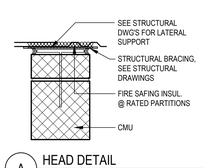
D STUD TO CMU
SCALE: 1-1/2" = 1'-0" @ RATED PARTITION/FIRE RATED SEALANT



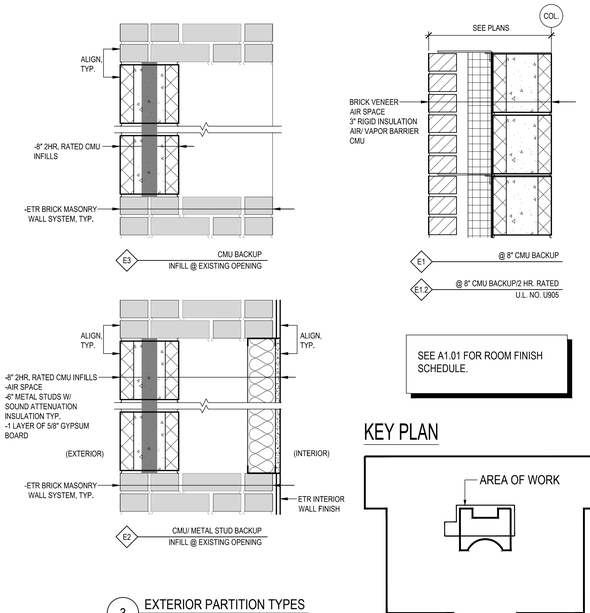
C HEAD DETAIL
SCALE: 1-1/2" = 1'-0"



B HEAD DETAIL
SCALE: 1-1/2" = 1'-0" @ STUD RATED PARTITION



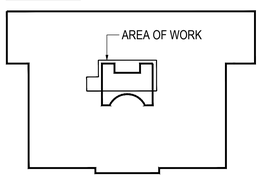
A HEAD DETAIL
SCALE: 1-1/2" = 1'-0" @ CMU RATED PARTITION



3 EXTERIOR PARTITION TYPES
SCALE: 1-1/2" = 1'-0"

SEE A1.01 FOR ROOM FINISH SCHEDULE.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
SECOND & THIRD FLOOR PLANS, PARTITION TYPES, DETAILS & NOTES

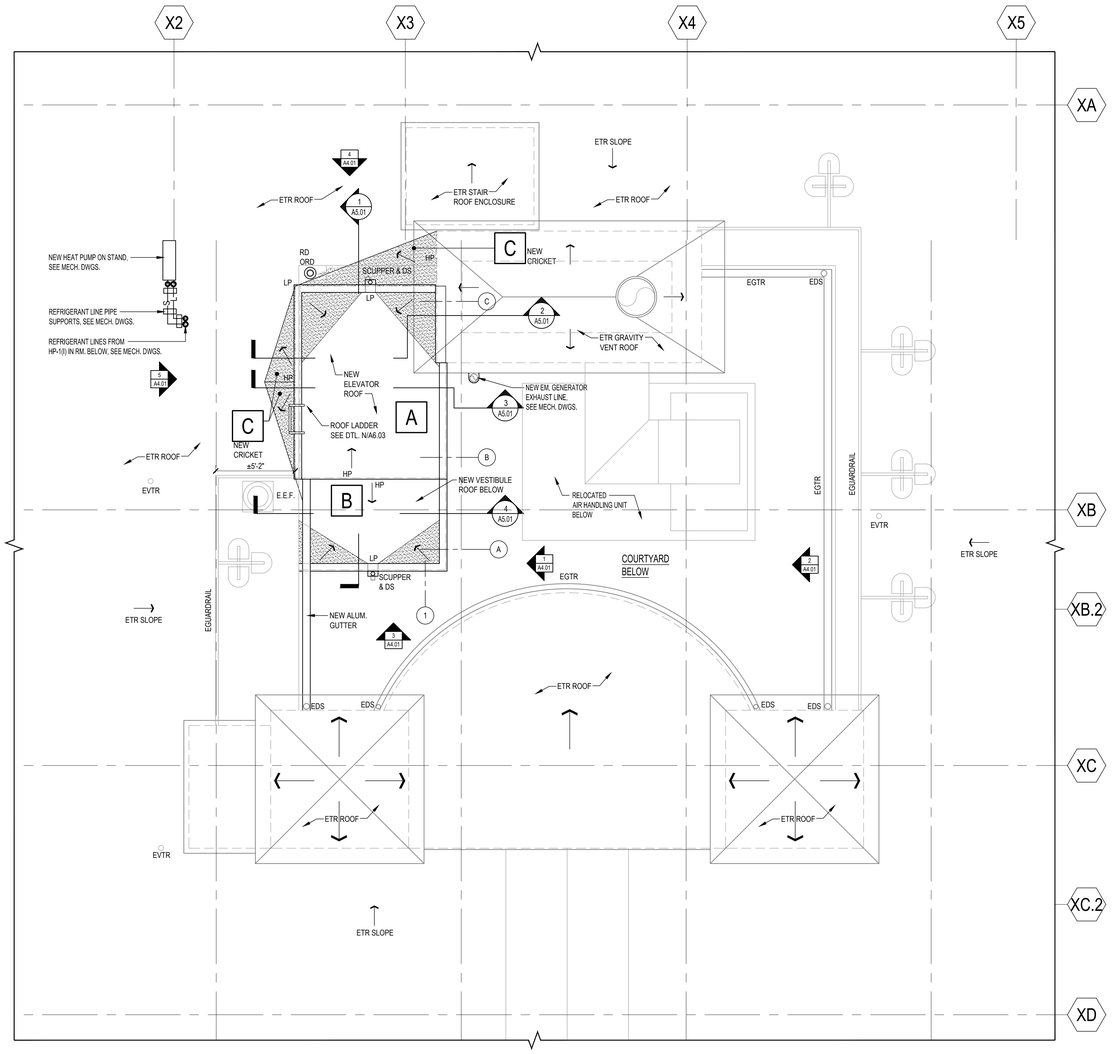
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

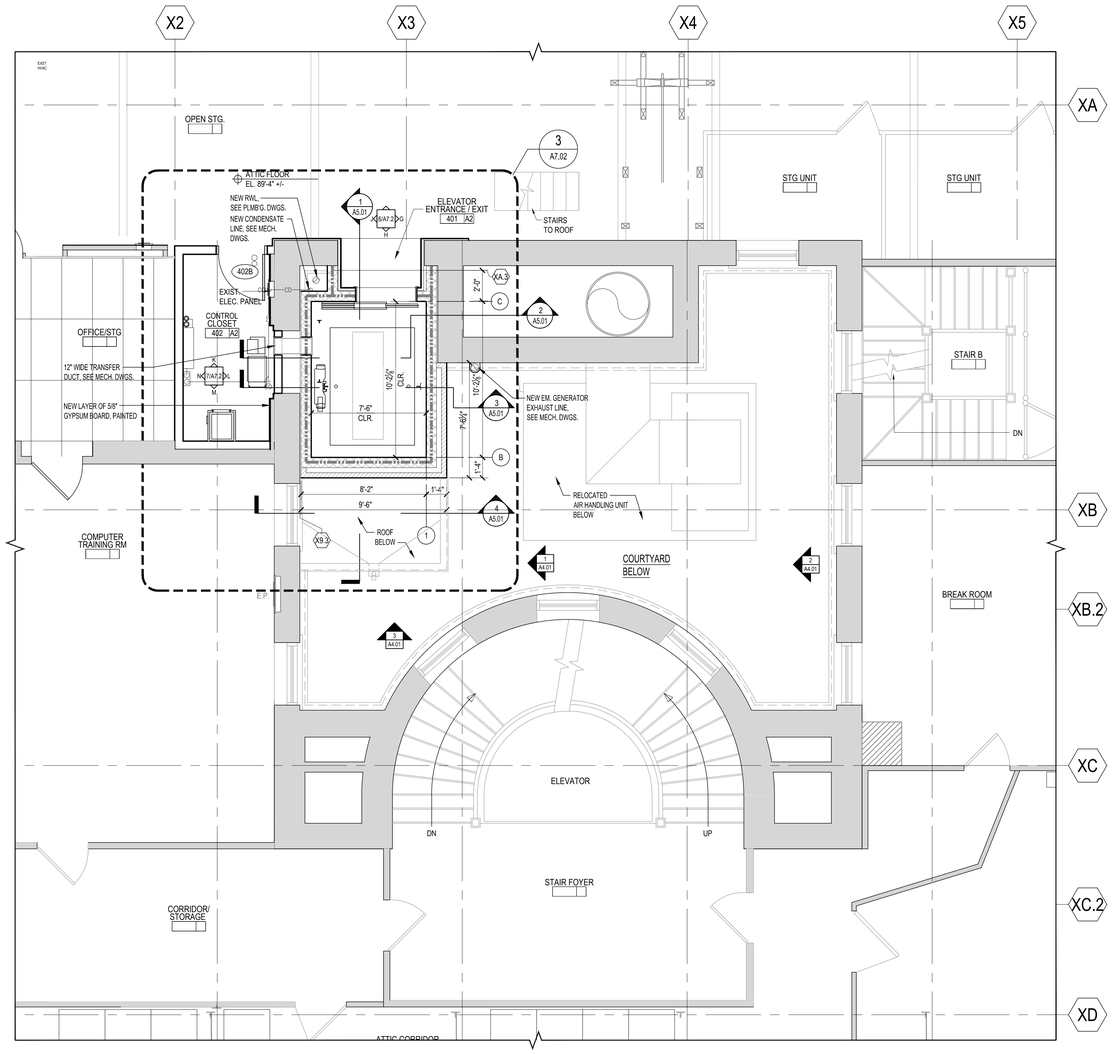
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
A1.02





ROOF SYMBOL LEGEND

- NEW ROOF AT ETR BUILDING
- ROOF AT NEW ADDITION
- A — NEW ROOF TYPE DESIGNATION (SEE ROOF DESCRIPTION SUMMARY)
- R.D. / O.RØ. — ROOF DRAIN W/ OVERFLOW DRAIN & SUMP. REFER TO TYPICAL DETAIL B/A1.03
- EXISTING TO REMAIN ROOF GUARDRAIL
- S.B. — SPLASH BLOCK REFER TO DETAIL X/AX.XX
- SLOPE — DIRECTION OF ROOF PITCH, NEW & ETR
- NEW TAPERED INSULATION/ CRICKET
- ROOF PIPE CHASE HOUSING BOX, REFER TO DETAIL 4/A2.04
- E.E.F. — EXHAUST FAN, ETR
- EVTR — VENT THRU ROOF OR HVAC EXHAUST, ETR
- VTR — VENT THRU ROOF, REFER TO DETAILS ON SHEET A1.03
- DS. — DOWNSPOUT
- H.P. — HIGH POINT
- L.P. — LOW POINT

ROOF DESCRIPTION SUMMARY

TYPE A NEW MEMBRANE ROOF SYSTEM AT ELEVATOR

-MECHANICALLY ATTACHED INDUCTION-WELDED PVC MEMBRANE AND ADHERED FLASHING SYSTEM
-TOP LAYER 2 1/2" RIGID INSULATION MECHANICALLY ATTACHED, BASE LAYER 3" RIGID INSULATION LOOSE-LAID; TAPERED INSULATION TO PROVIDE 1/4" PER FOOT SLOPE AT HIGH POINT AND CRICKETS AS REQUIRED; MIN THICKNESS OF 1 1/2" AT ROOF SCUPPER
-AIR BARRIER MEMBRANE TAPED AT ALL SEAMS AND OPENINGS LOOSE-LAYD
-STEEL ROOF DECK AND SLOPED STRUCTURAL STEEL

TYPE B NEW MEMBRANE ROOF SYSTEM AT VESTIBULE

-MECHANICALLY ATTACHED INDUCTION-WELDED PVC MEMBRANE AND ADHERED FLASHING SYSTEM
-TOP LAYER 2 1/2" RIGID INSULATION MECHANICALLY ATTACHED, BASE LAYER 3" RIGID INSULATION LOOSE-LAID; TAPERED INSULATION TO PROVIDE 1/4" PER FOOT SLOPE AT CRICKETS AS REQUIRED; MIN THICKNESS OF 1 1/2" AT ROOF SCUPPER
-AIR BARRIER MEMBRANE TAPED AT ALL SEAMS AND OPENINGS LOOSE-LAYD
-STEEL ROOF DECK AND SLOPED STRUCTURAL STEEL

TYPE C NEW MEMBRANE ROOF SYSTEM AT EXISTING BUILDING

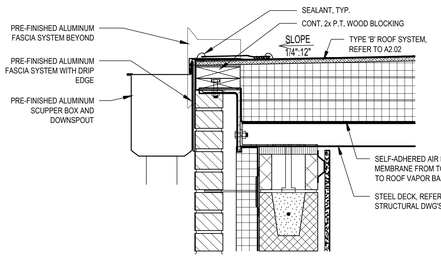
-3 PLY ADHERED MODIFIED BITUMEN ROOF SYSTEM
-ICE & WATER DAM - ENTIRE ROOF AREA.
-INSULATION; 3" THICK BASE LAYER AND 3" NAILBOARD TOP LAYER.
-SELF-ADHERED HEAVY-DUTY VAPOR RETARDER AIR BARRIER SEALED AT ALL OPENINGS.
-1/2" OVERLAYMENT BOARD MECHANICALLY ATTACHED TO EXISTING CONC. ROOF DECK.
-EXISTING TO REMAIN CONC. ROOF DECK

GENERAL ROOF NOTES

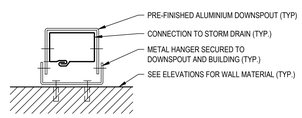
1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EXTENT OF EQUIPMENT, FANS AND OTHER PENETRATIONS THROUGH ROOF.
2. REFER TO DRAWING A1.03 FOR TYPICAL ROOF DETAILS.
3. ALL EQUIPMENT MUST BE LOCATED **MORE THAN** 10'-0" FROM ROOF EDGE.
4. AT ALL INSULATION HEIGHT TRANSITION USE TAPERED EDGE STRIP FOR TRANSITION, TYP.

2 ROOF PLAN
SCALE: 1/4" = 1'-0"

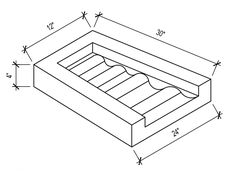
1 ATTIC FLOOR PLAN
SCALE: 1/4" = 1'-0"



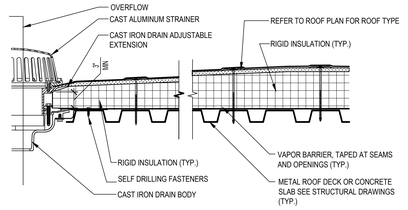
20 TYPICAL SCUPPER AND DOWNSPOUT DETAIL
SCALE: 1 1/2"=1'-0"



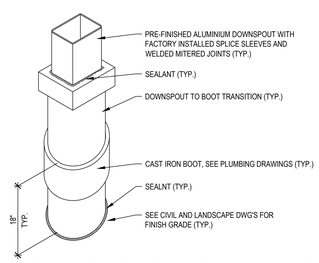
C TYPICAL DOWNSPOUT PLAN DETAIL
SCALE: 1 1/2"=1'-0"



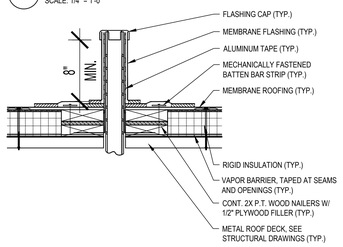
E TYPICAL PRE-CAST SPLASH BLOCK
SCALE: 1 1/2"=1'-0"



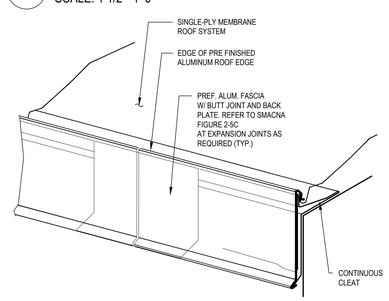
B SECTION AT TYPICAL EMERGENCY DRAIN & SUMP
SCALE: 1 1/2"=1'-0"



F TYPICAL DOWNSPOUT - STORM DRAIN CONNECTION
SCALE: 1 1/2"=1'-0"



A TYPICAL VENT THROU ROOF AT FLAT ROOF
SCALE: 1 1/2"=1'-0"

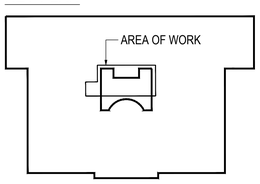


D TYPICAL FASCIA PLATE AT METAL JOINTS
SCALE: 1 1/2"=1'-0"

SEE A1.01 FOR ROOM FINISH SCHEDULE.

SEE A1.02 FOR PARTITION TYPES & NOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
ATTIC FLOOR & ROOF PLANS, ROOF TYPES, NOTES & DETAILS

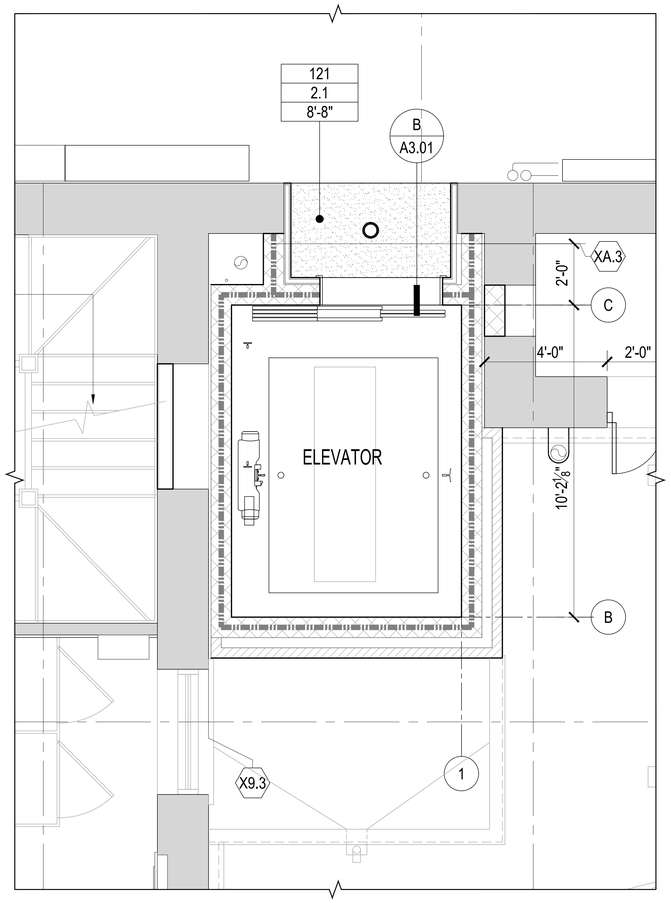
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

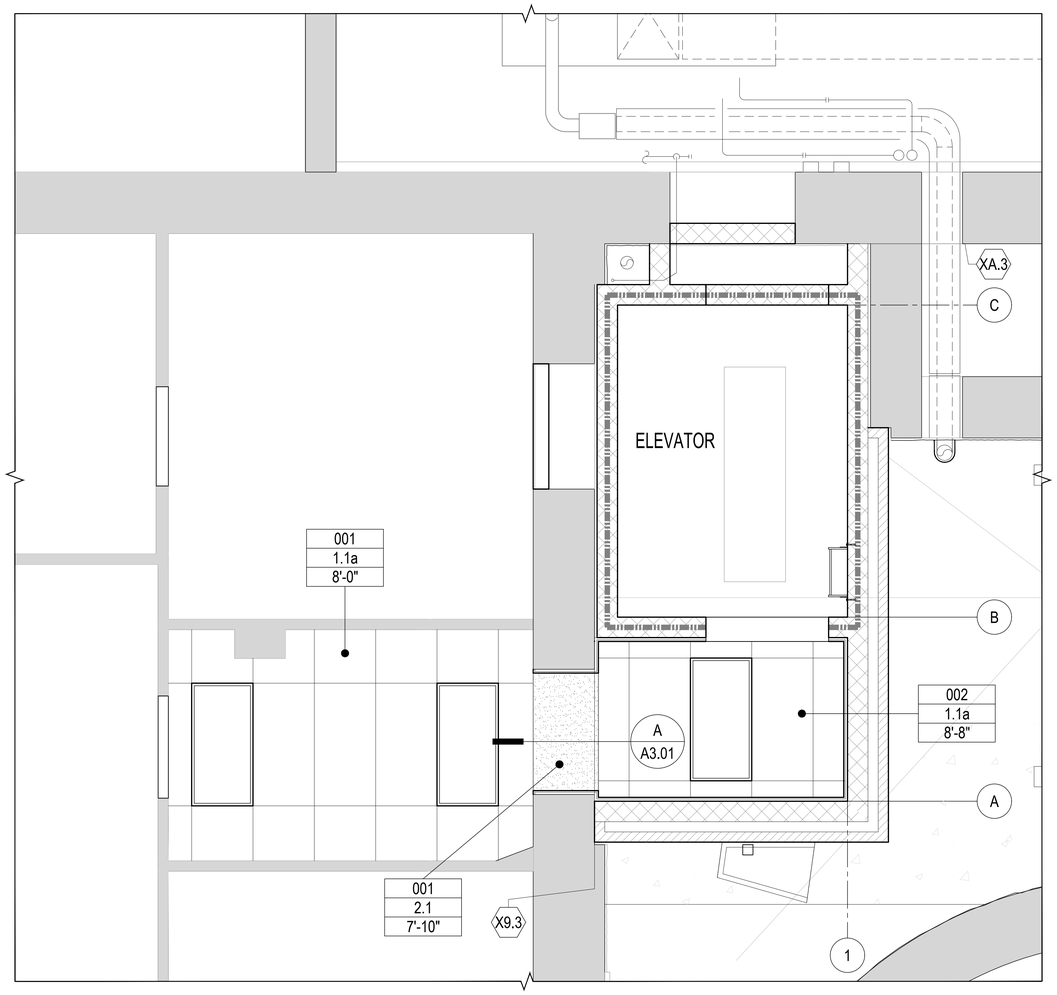
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

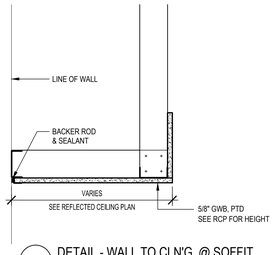
DRAWING NUMBER
A1.03



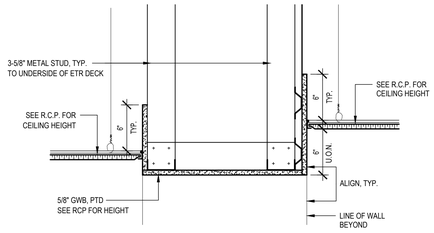
2 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



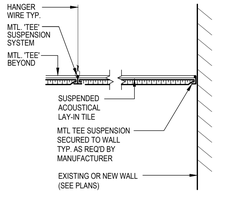
1 BASEMENT FLOOR RELFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



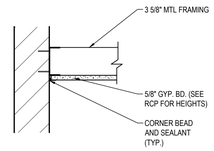
B DETAIL - WALL TO CLN'G. @ SOFFIT
SCALE: 1-1/2" = 1'-0"



A DETAIL - GWB. TRANSITION SOFFIT
SCALE: 1-1/2" = 1'-0"



D DETAIL - WALL TO A.C.T.
SCALE: 1-1/2" = 1'-0" TYPICAL



C DETAIL - WALL TO CLN'G.
SCALE: 1-1/2" = 1'-0" TYPICAL

CEILING NOTES & TYPES

GENERAL CEILING NOTES

1. ALL GYPSUM WALLBOARD SOFFITS SHALL ALIGN WITH ADJACENT WALLS AND/OR SOFFITS AS REQUIRED. UNLESS OTHERWISE NOTED, ALL GWB SOFFITS TO BE ON METAL STUDS. ALL GWB SOFFIT AND CEILINGS TO BE PAINTED.

2. ELECTRICAL ROOMS SHALL HAVE TYPE 3.1 CEILING. INCLUDE 1 HOUR SPRAY ON FIREPROOFING AT UNDERSIDE OF SLAB TO GIVE 1 HOUR SLAB A RATING OF TWO HOURS.

3. ELEVATOR MACHINE ROOM SHALL HAVE TYPE 2.2 CEILING.

TYPE 1 - SUSPENSION SYSTEM

1.1a 24" x 48" TILES, WHITE

NOTES:
1. PROVIDE REVEAL EDGE AT PERIMETER.
2. PROVIDE ROUTED EDGE TO MATCH FACTORY EDGE AT FINISHED CUT TILES.
3. CAULK PERIMETER EDGES AT WALL INTERSECTIONS.

TYPE 2 - GWB

2.1 GYPSUM WALLBOARD

2.2 2 HOUR FIRE RATED HORIZONTAL SHAFTWALL CEILING ASSEMBLY (NER 258 AND AER-09038) SECURED TO CEILING

NOTE:
CAULK PERIMETER EDGES AT WALL INTERSECTIONS, TYPICAL.

TYPE 3 - EXPOSED STRUCTURE

3.1 EXPOSED, UNPAINTED.

3.2 EXPOSED, PAINTED, SURFACES EXPOSED TO VIEW SHALL BE PAINTED THE SAME COLOR.

NOTE:
SURFACES EXPOSED TO VIEW INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: DECKING, BEAMS, JOISTS, DUCTWORK, PIPING, ETC. AND NON-PREFINISHED ITEM SUCH AS BUT NOT LIMITED TO : CONDUIT, CABLE TRAYS AND HANGERS, ETC.

CEILING SYMBOL LEGEND

AXXX
XX
X'-X"
ROOM NUMBER
CEILING TYPE - SEE SPECIFICATIONS
FINISHED HEIGHT

GYPSUM WALLBOARD CEILING, PAINTED

SUSPENDED ACOUSTICAL CEILING
24" X 48" GRID

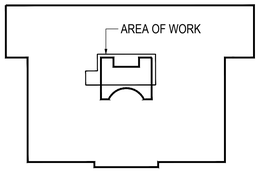
FIRE PROTECTION - FOR COORDINATION ONLY, SEE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS FOR SPRINKLER HEAD TYPES AND QUANTITIES

HVAC ITEMS - FOR COORDINATION ONLY, SEE HVAC DRAWINGS AND SPECIFICATIONS FOR TYPES AND QUANTITIES

ELECTRICAL ITEMS - FOR COORDINATION ONLY, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITIES

TECHNOLOGY ITEMS - FOR COORDINATION ONLY, SEE HVAC DRAWINGS AND SPECIFICATIONS FOR TYPES AND QUANTITIES

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
BASEMENT & FIRST FLOOR REFLECTED CEILING PLANS & DETAILS

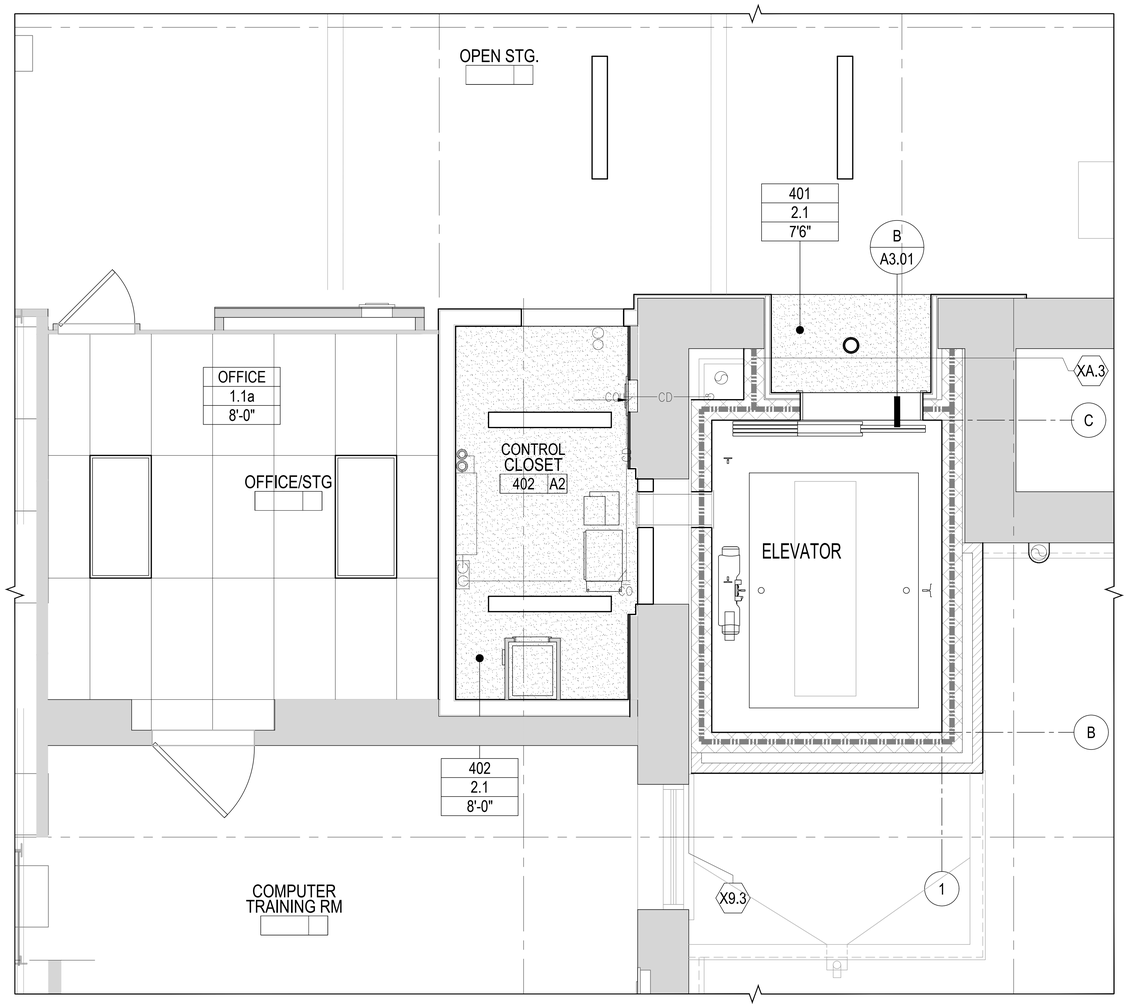
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

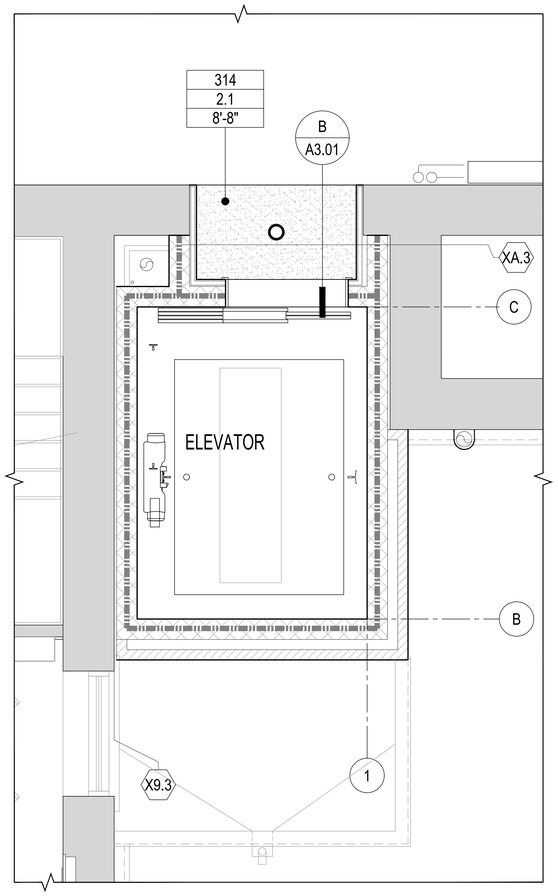
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

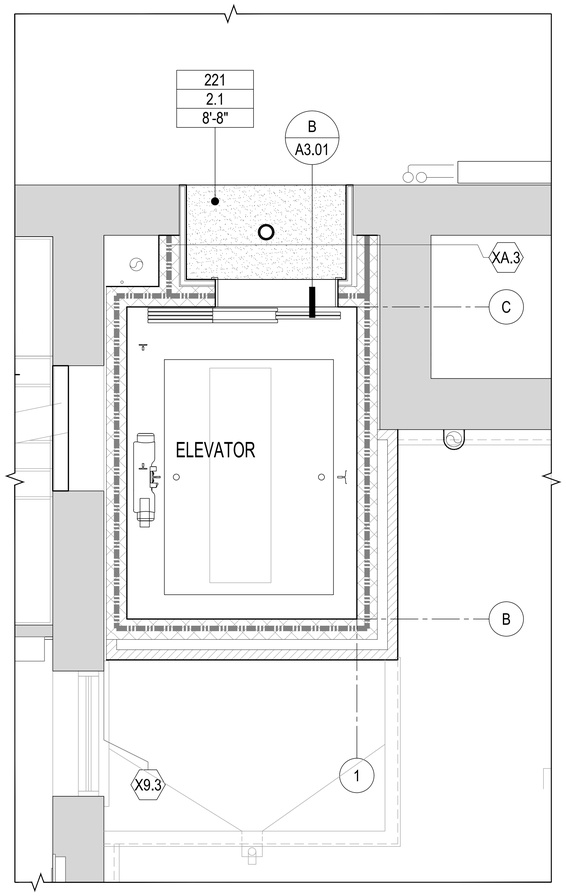
DRAWING NUMBER
A3.01



3 ATTIC FLOOR REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



2 THIRD FLOOR RELFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"

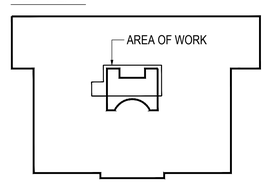


1 SECOND FLOOR RELFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"

SEE A3.01 FOR CEILING NOTES AND CEILING SYMBOL LEGEND

SEE A3.01 FOR TYPICAL DETAILS

KEY PLAN



NORTH ARROW

N

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
SECOND, THIRD & ATTIC FLOOR REFLECTED CEILING PLANS

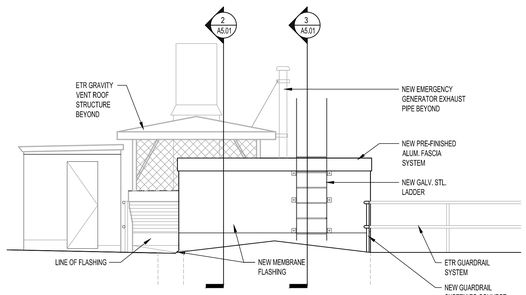
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

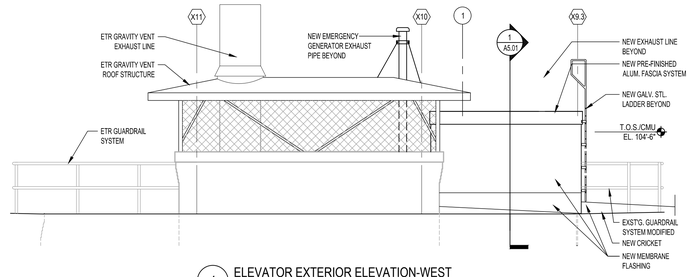
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

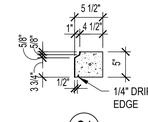
DRAWING NUMBER
A3.02



5 ELEVATOR EXTERIOR ELEVATION-WEST
SCALE: 1/4" = 1'-0"



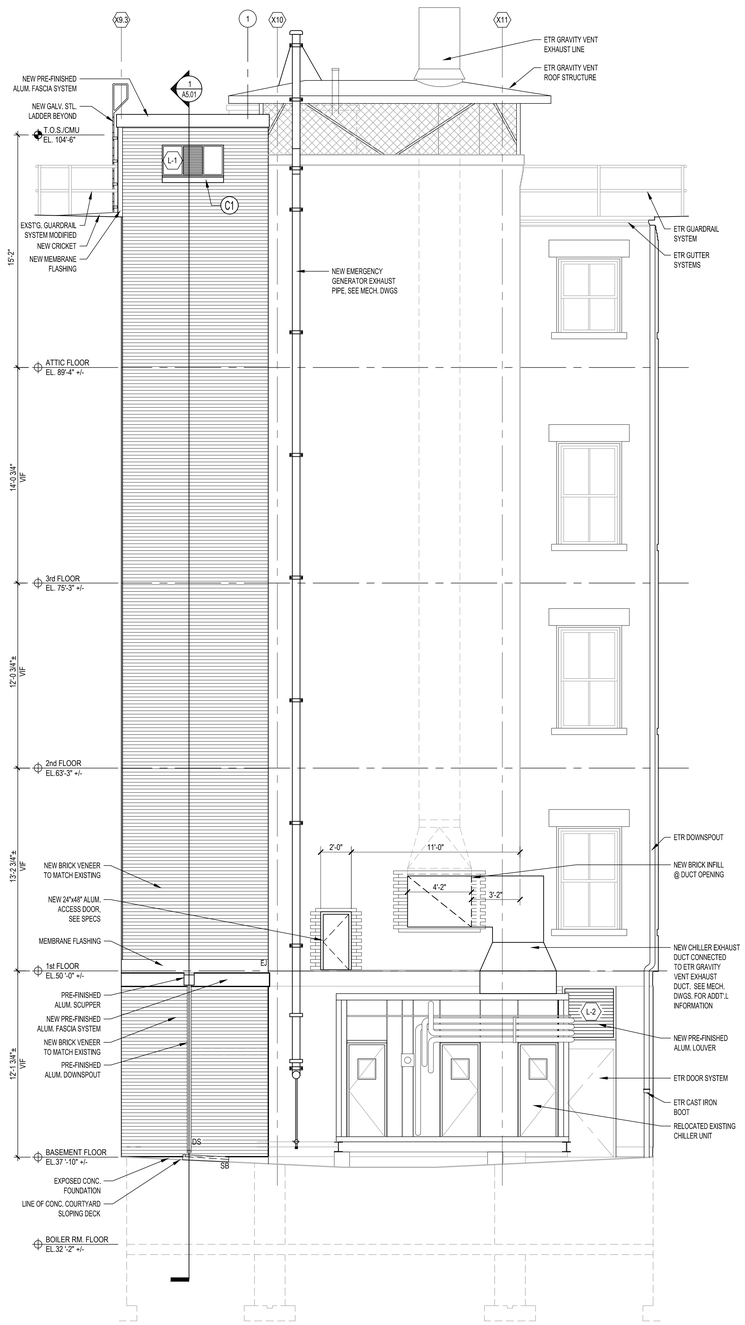
4 ELEVATOR EXTERIOR ELEVATION-WEST
SCALE: 1/4" = 1'-0"



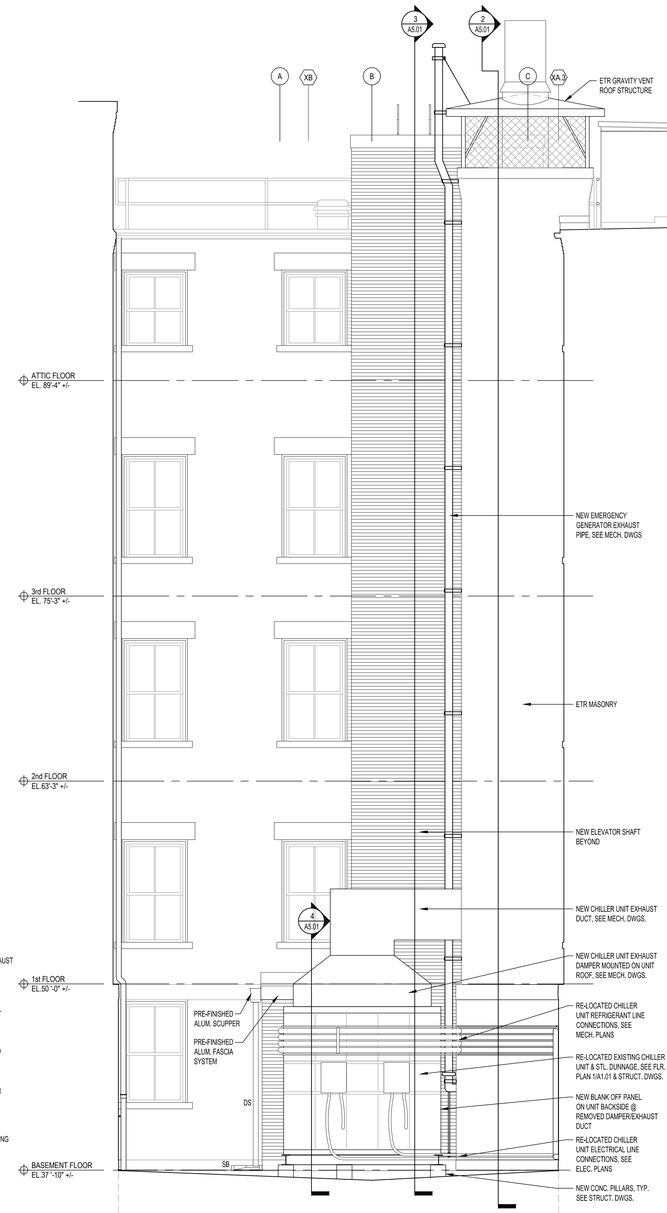
NOTES:

1. REFER TO WALL SECTIONS AND EXTERIOR ELEVATIONS FOR CAST STONE UNIT LOCATIONS.
2. FOR ALL CAST STONE, REFER TO CAST STONE SPECS FOR ADDITIONAL ENGINEERING REQUIREMENTS.
3. CAST STONE PIECES WILL RECEIVE RUSTICATED FACES.

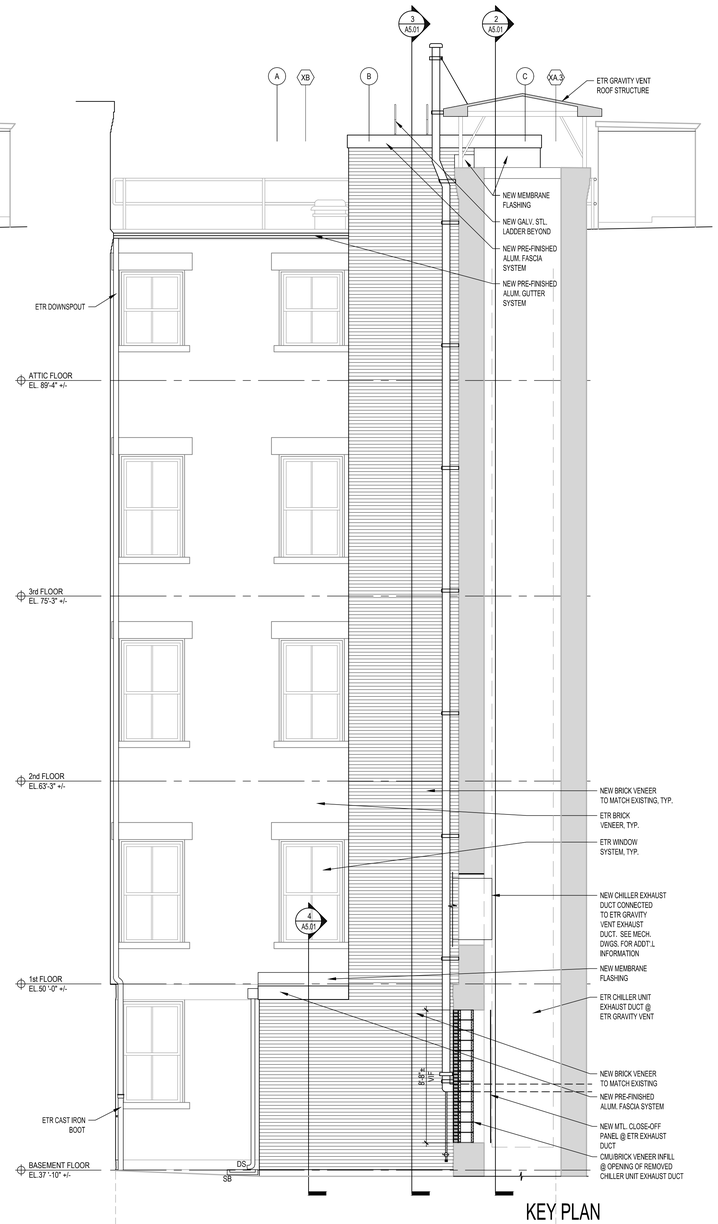
A CAST STONE MASONRY UNIT PROFILE SECTIONS
SCALE: 3/4" = 1'-0"



3 ELEVATOR EXTERIOR ELEVATION-NORTH
SCALE: 1/4" = 1'-0"

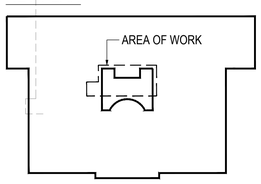


2 CHILLER UNIT EXTERIOR ELEVATION-WEST
SCALE: 1/4" = 1'-0"



1 ELEVATOR EXTERIOR ELEVATION-WEST
SCALE: 1/4" = 1'-0"

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
EXTERIOR ELEVATIONS & CAST STONE PROFILES

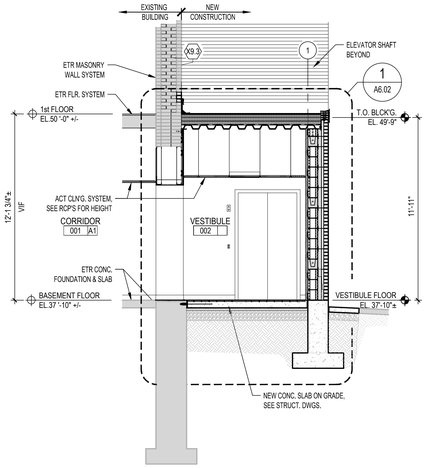
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

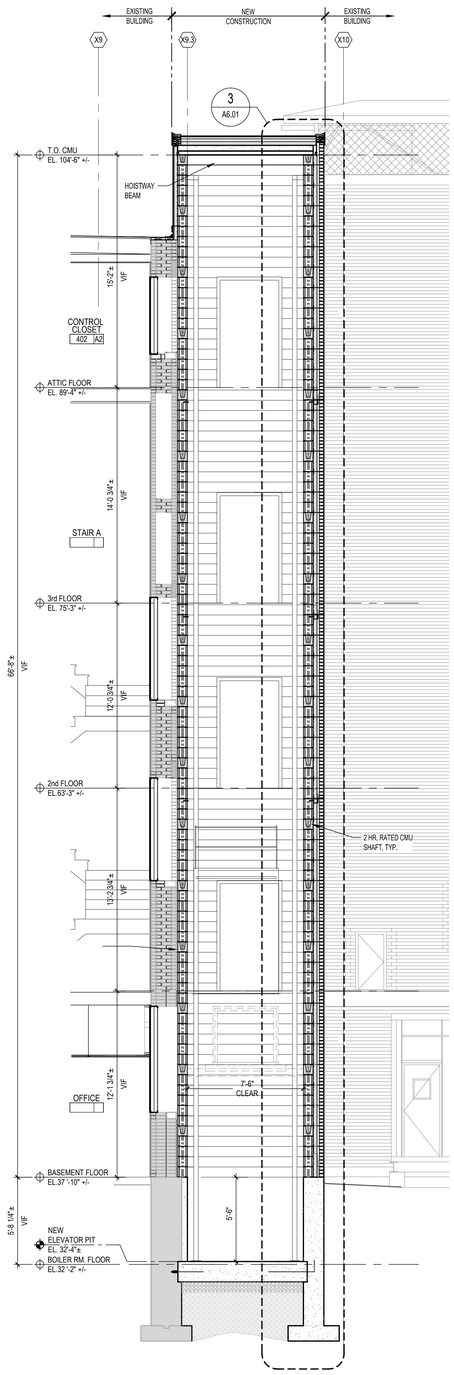
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

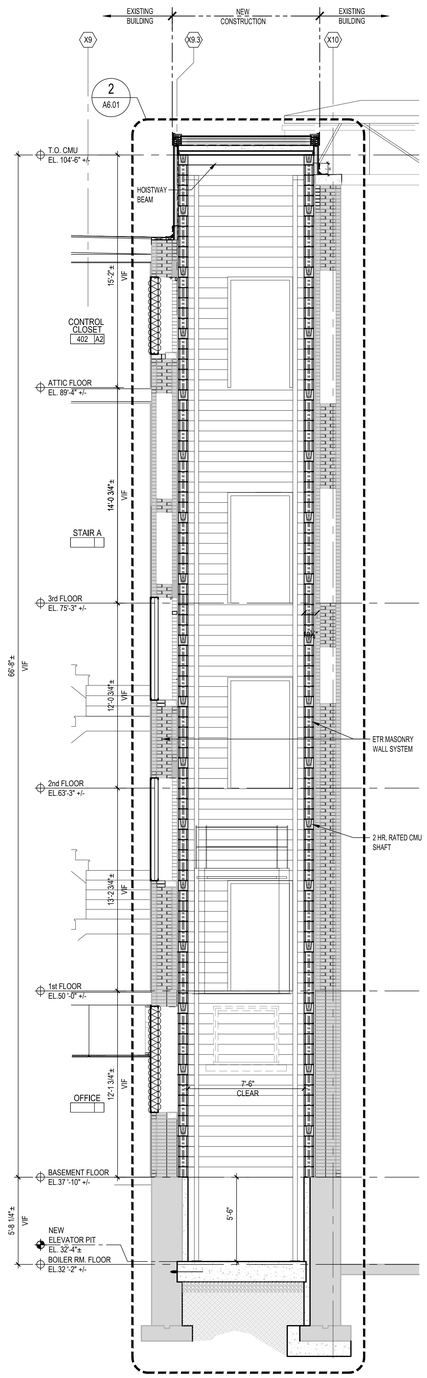
DRAWING NUMBER
A4.01



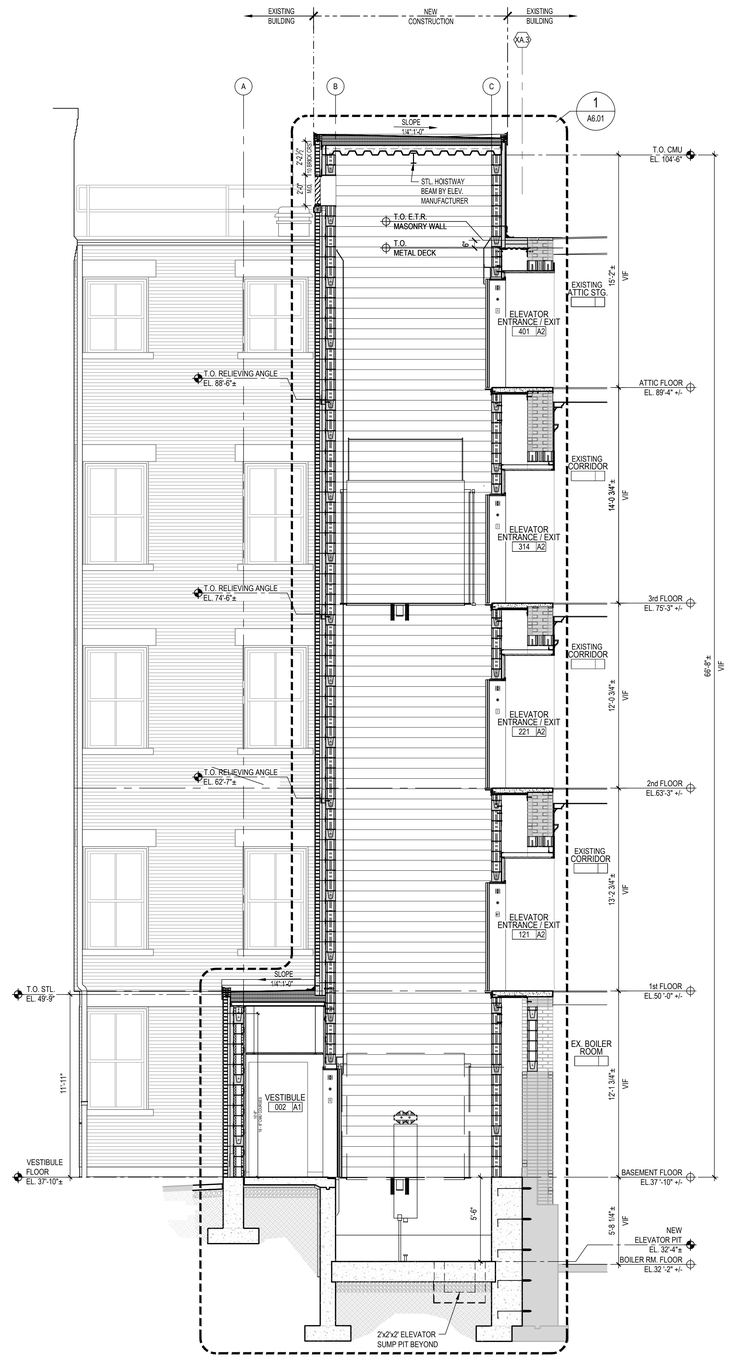
4 PARTIAL VESTIBULE BUILDING SECTION
SCALE: 1/4" = 1'-0"



3 ELEVATOR BUILDING SECTION-NORTH
SCALE: 1/4" = 1'-0"

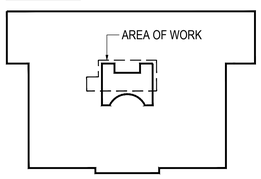


2 ELEVATOR BUILDING SECTION-NORTH
SCALE: 1/4" = 1'-0"



1 ELEVATOR BUILDING SECTION-WEST
SCALE: 1/4" = 1'-0"

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
BUILDING SECTIONS

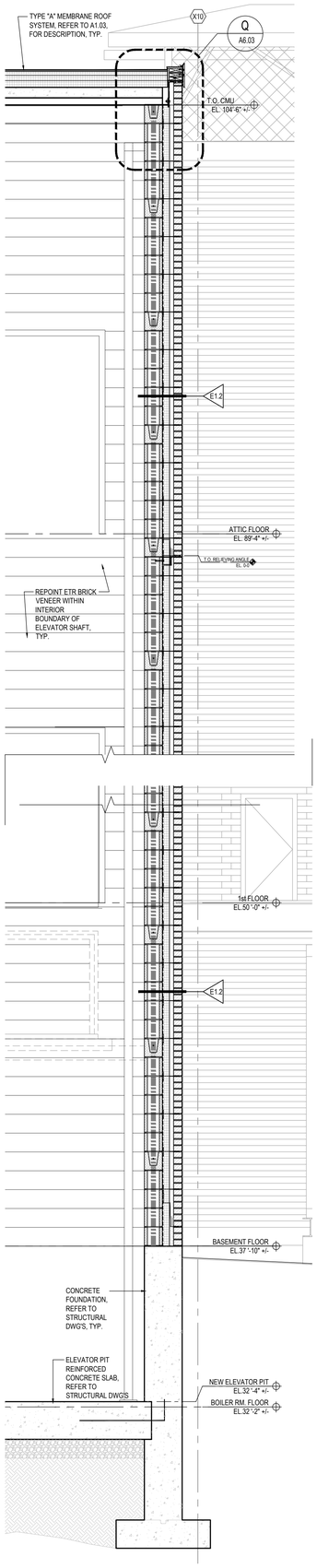
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

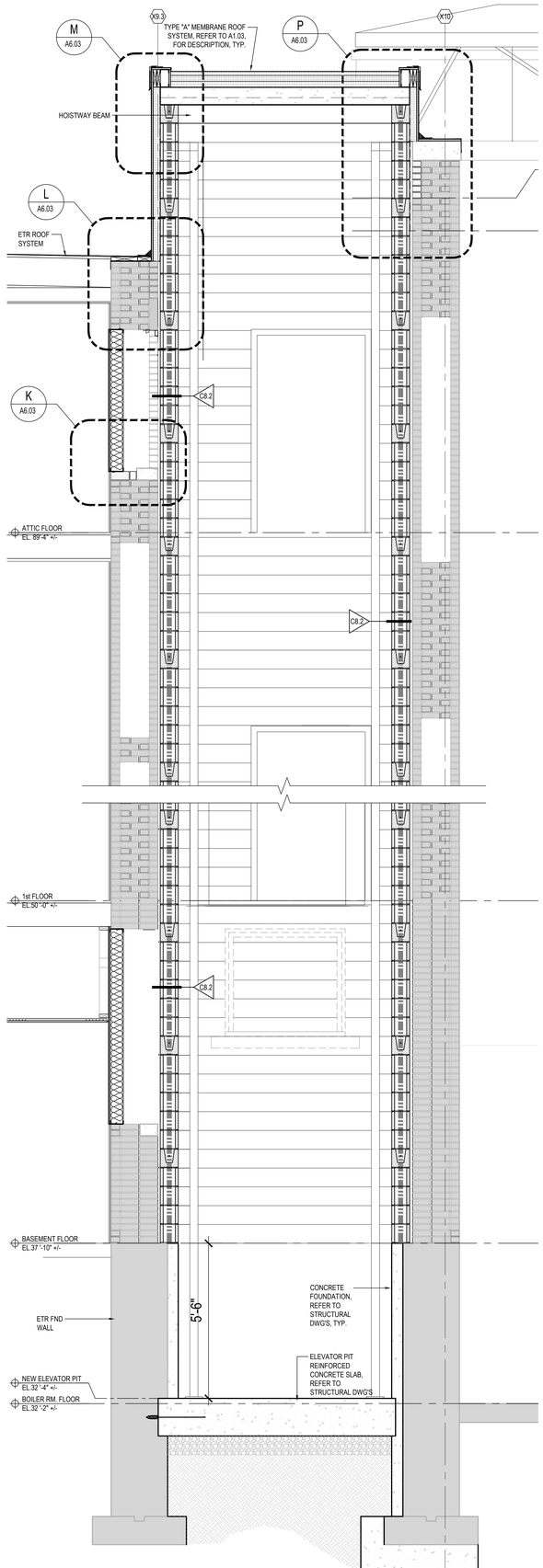
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT / H.C.
CHECKED	DT / JF
DATE	FEBRUARY 13, 2019

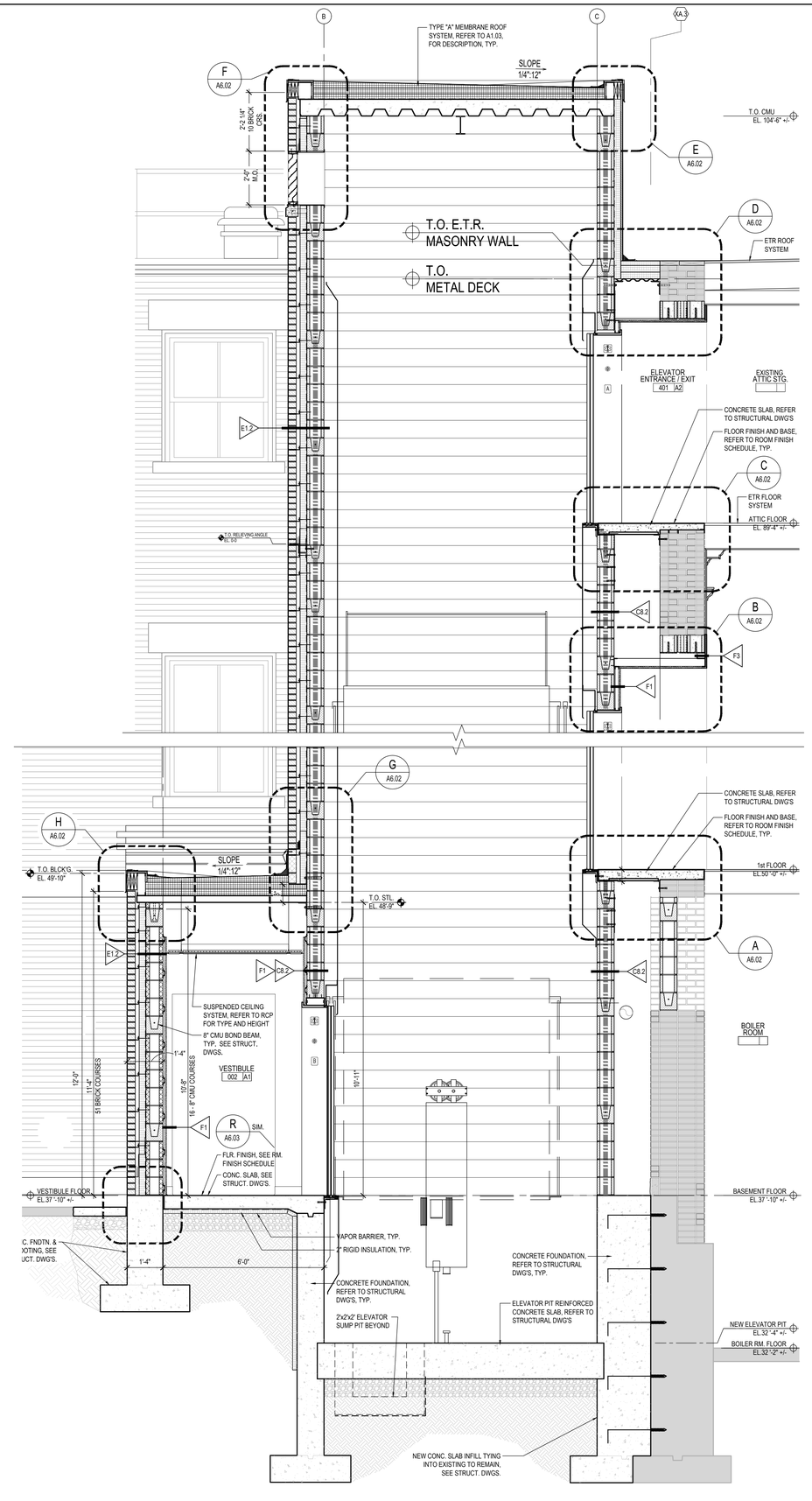
DRAWING NUMBER
A5.01



3 WALL SECTION
SCALE: 1/2" = 1'-0"

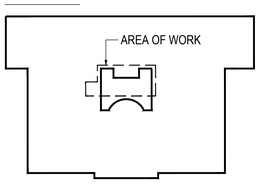


2 WALL SECTION
SCALE: 1/2" = 1'-0"



1 WALL SECTION
SCALE: 1/2" = 1'-0"

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
WALL SECTIONS

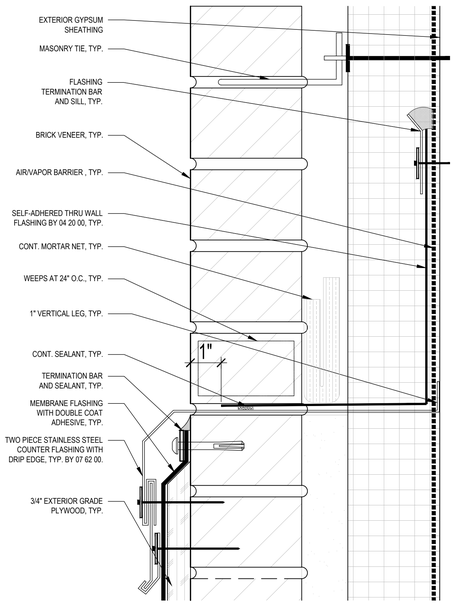
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

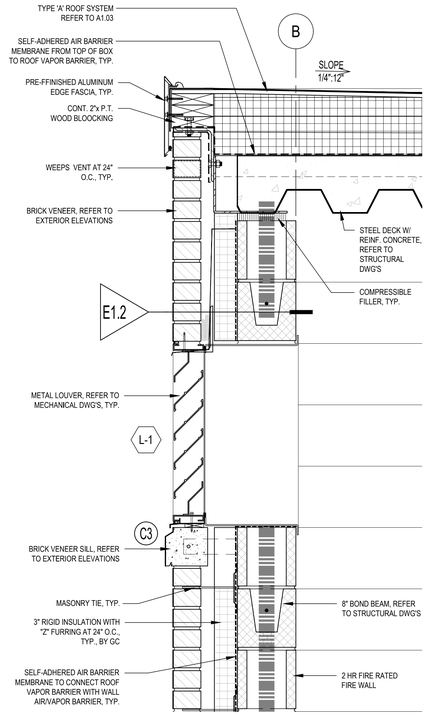
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	H.C.
CHECKED	JF
DATE	FEBRUARY 13, 2019

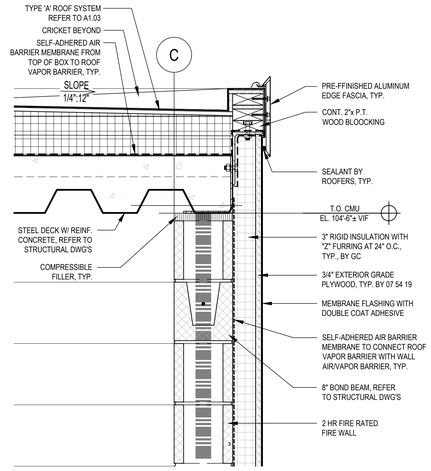
DRAWING NUMBER
A6.01



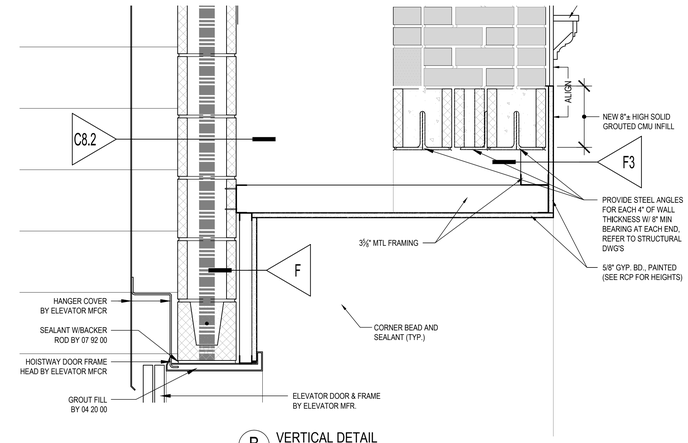
G.1 TYPICAL VERTICAL DETAIL
SCALE: 6"=1'-0"



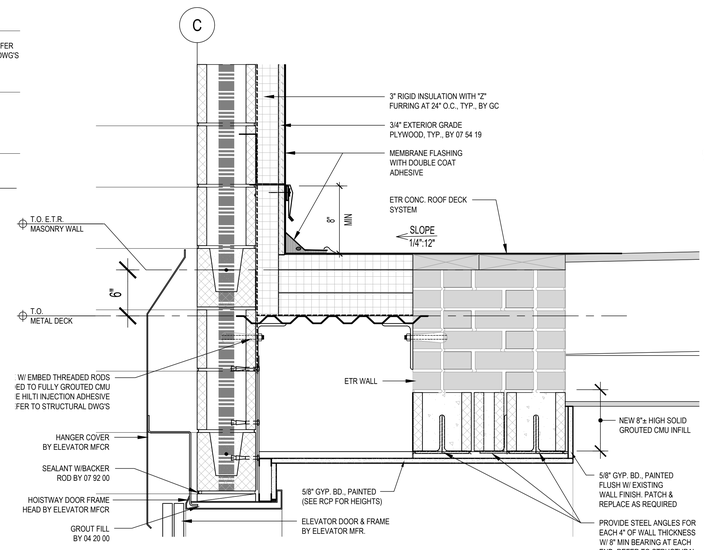
F VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



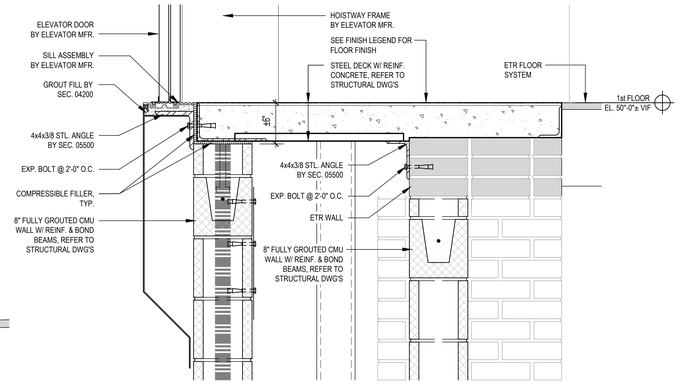
E VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



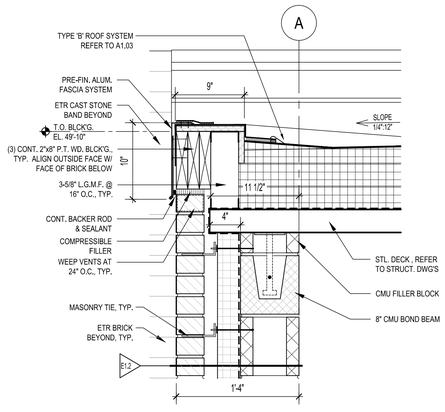
B VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



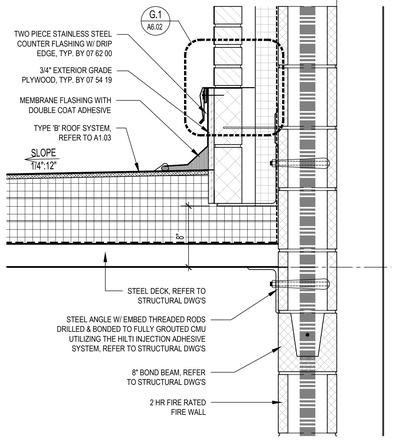
D VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



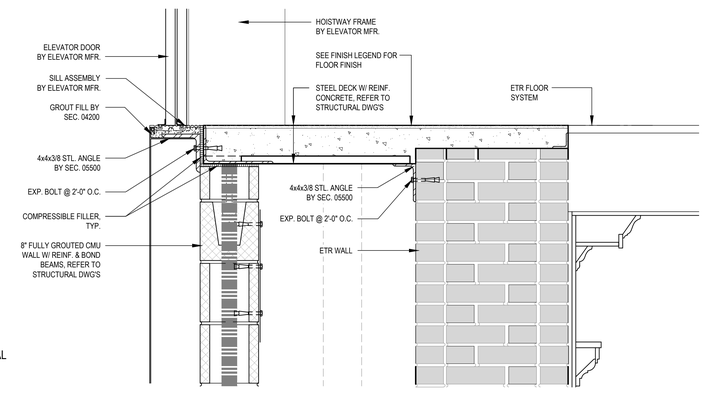
A VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



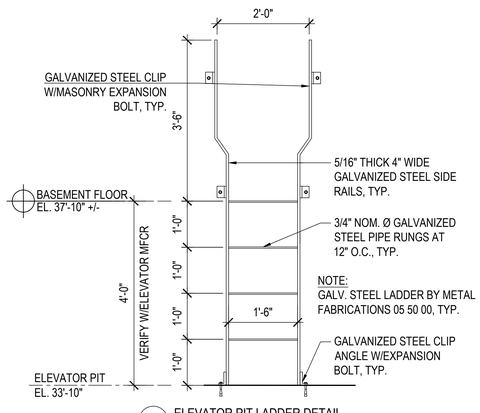
H VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



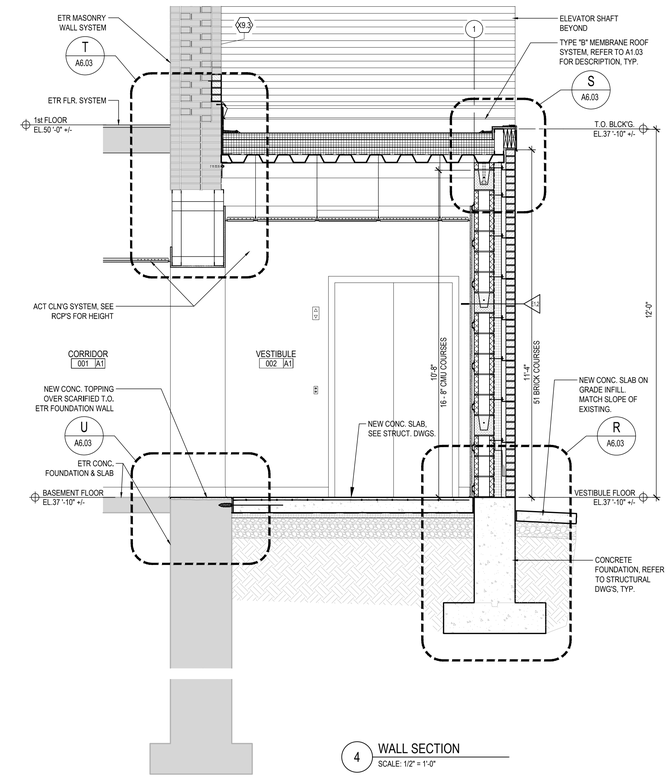
G VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



C VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



J ELEVATOR PIT LADDER DETAIL
SCALE: 1/2"=1'-0"



4 WALL SECTION
SCALE: 1/2" = 1'-0"

NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
WALL SECTIONS & VERTICAL DETAILS

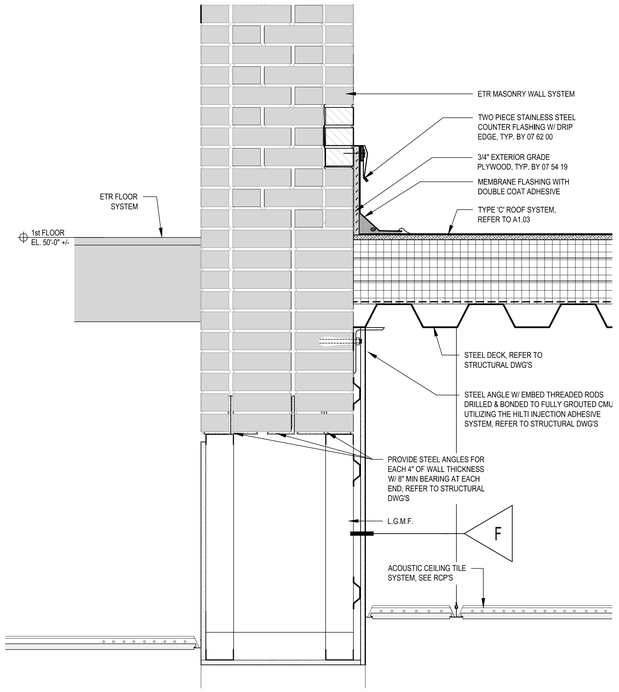
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

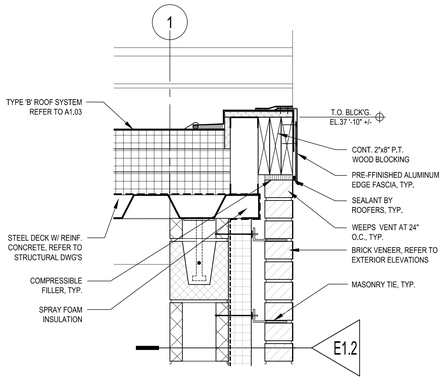
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

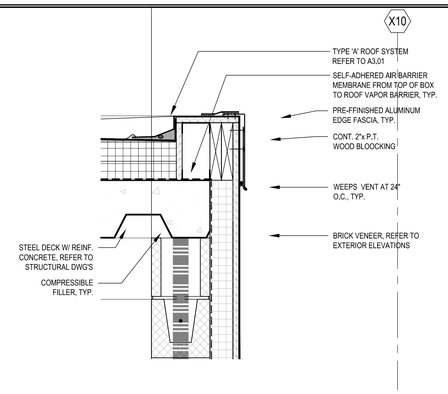
DRAWING NUMBER
A6.02



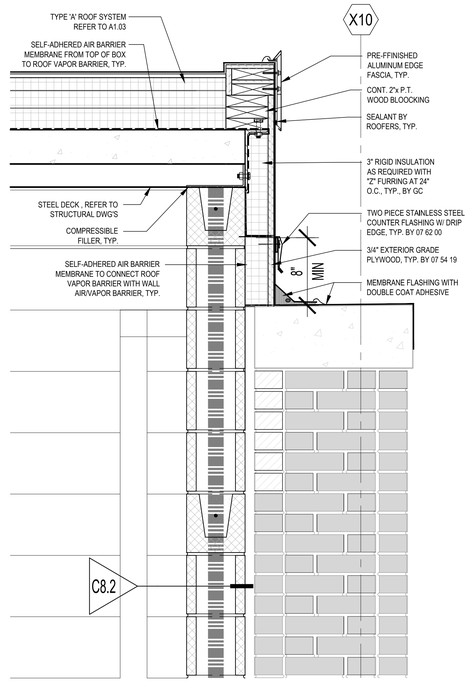
T VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



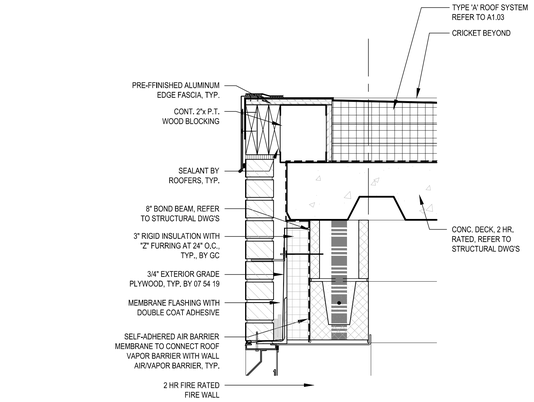
S VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



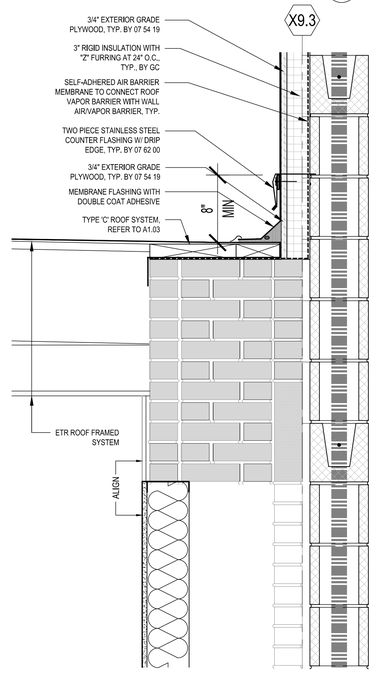
Q VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



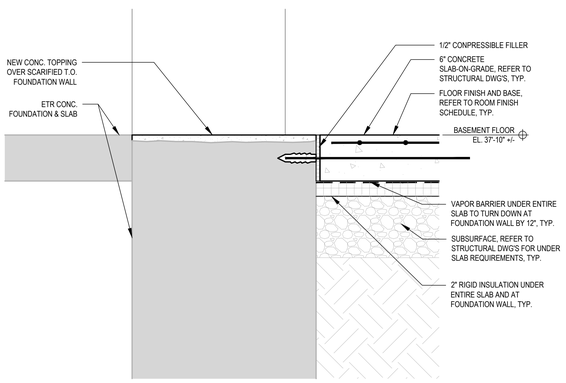
P VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



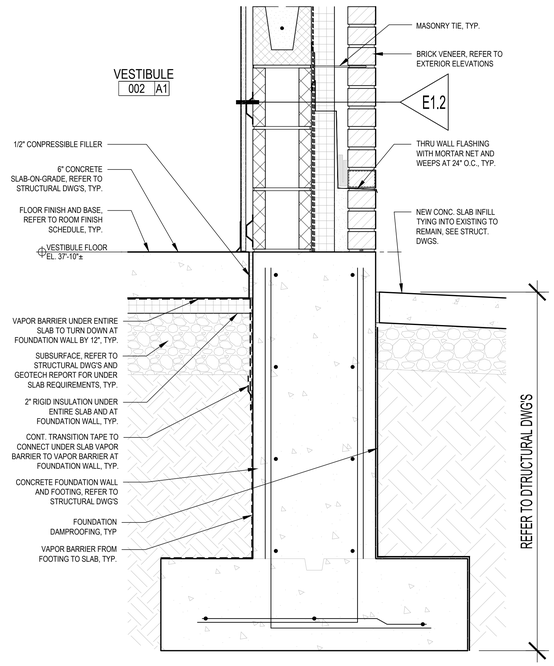
M VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



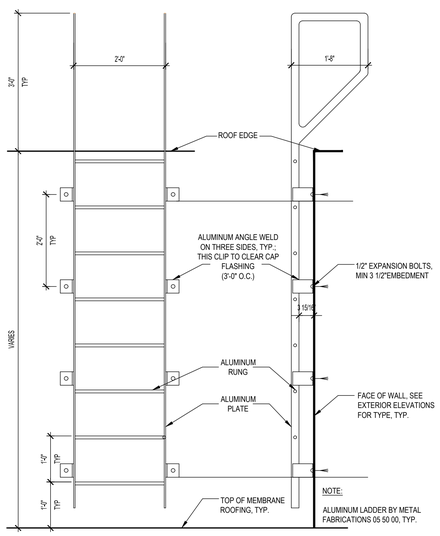
L VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



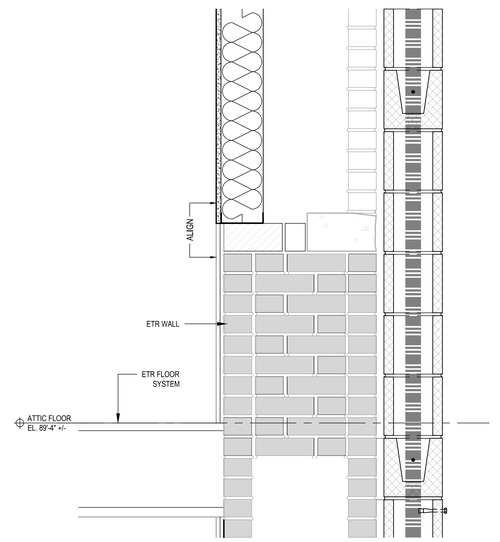
U VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



R VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"



N ROOF LADDER DETAIL
SCALE: 3/4"=1'-0"



K VERTICAL DETAIL
SCALE: 1 1/2"=1'-0"

NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
VERTICAL DETAILS

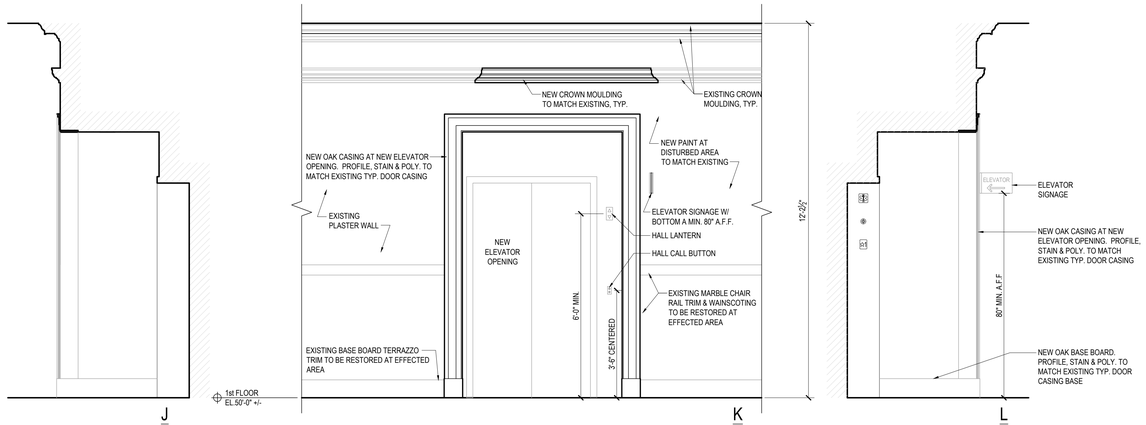
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

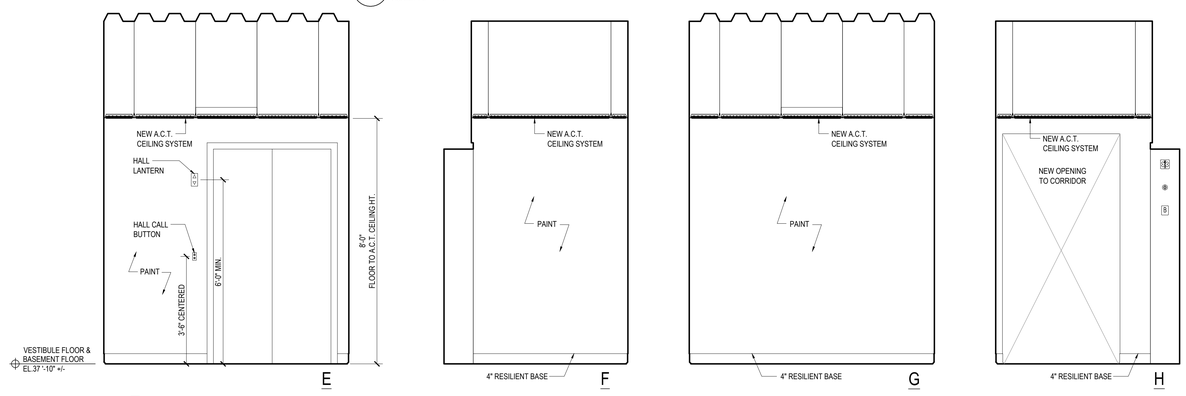
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

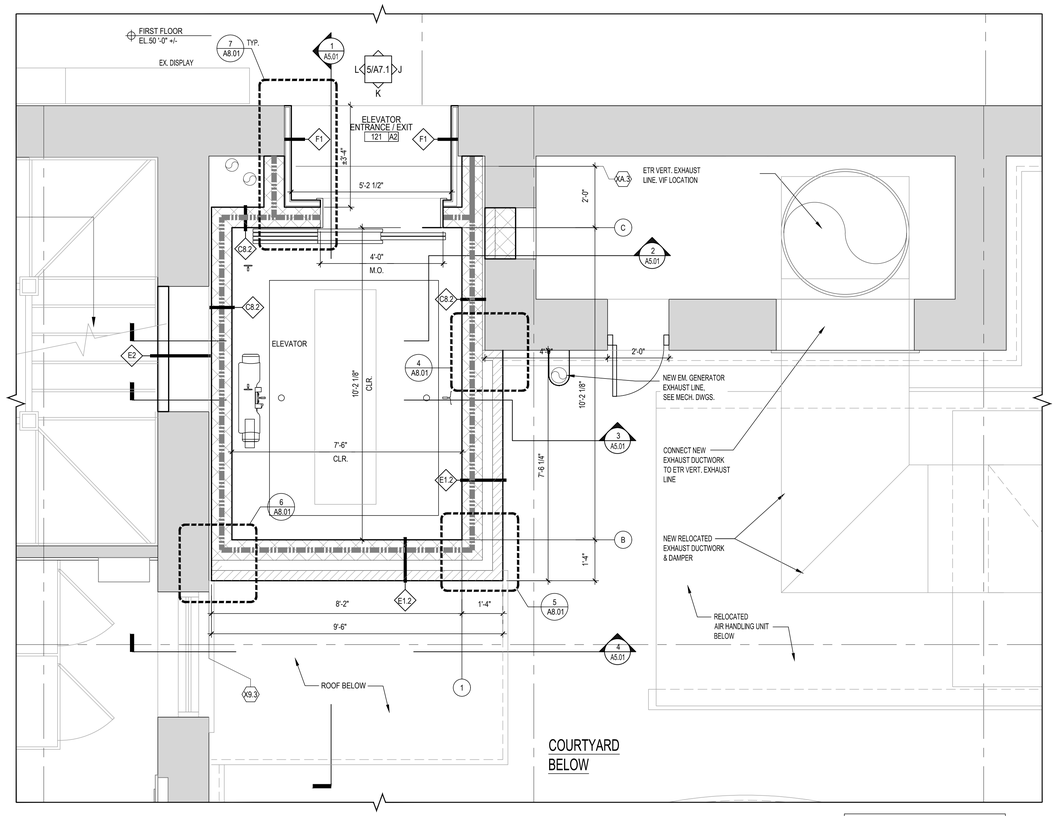
DRAWING NUMBER
A6.03



5 INTERIOR ELEVATION - 1st FLOOR ELEVATOR ENTRY @ CORRIDOR
SCALE: 1/2" = 1'-0"

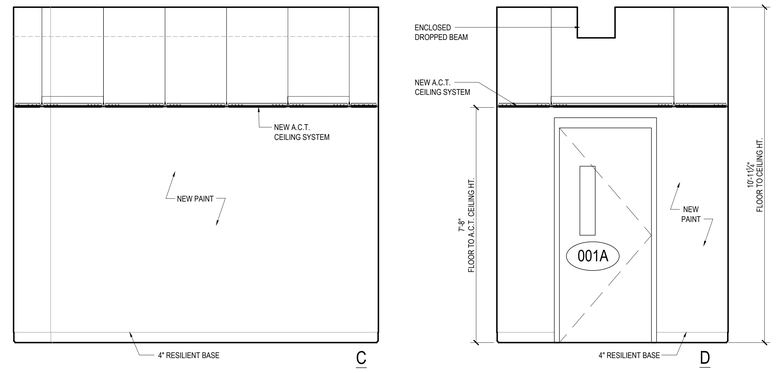


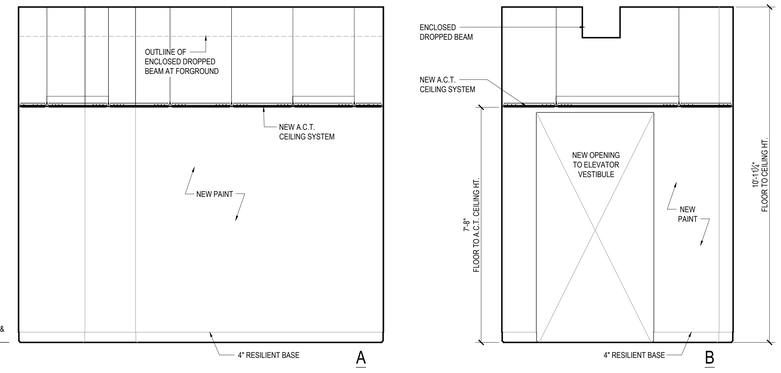
4 INTERIOR ELEVATION - BASEMENT VESTIBULE ELEVATOR ENTRY
SCALE: 1/2" = 1'-0"



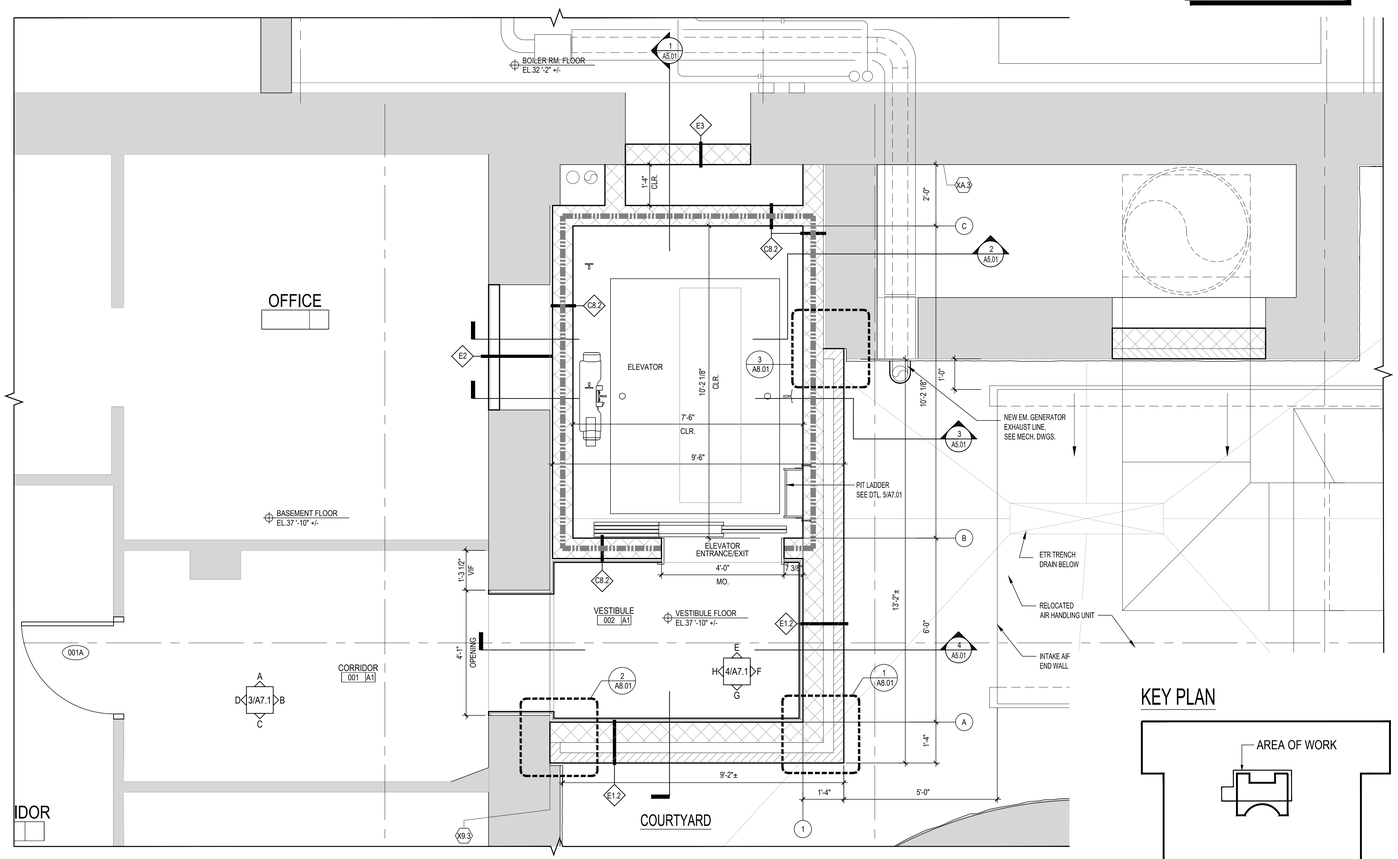
2 ENLARGED FIRST FLOOR ELEVATOR PLAN
SCALE: 1/4" = 1'-0"

SEE A1.02 FOR PARTITION TYPES & NOTES.



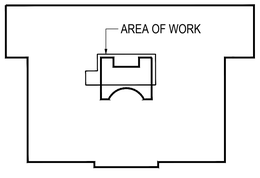


3 INTERIOR ELEVATION - BASEMENT CORRIDOR TO ELEVATOR ENTRY
SCALE: 1/2" = 1'-0"



1 ENLARGED BASEMENT ELEVATOR & VESTIBULE FLOOR PLAN
SCALE: 1/2" = 1'-0"

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
ENLG.'D BASEMENT & FIRST FLOOR ELEVATOR PLANS & INT. ELEVATIONS

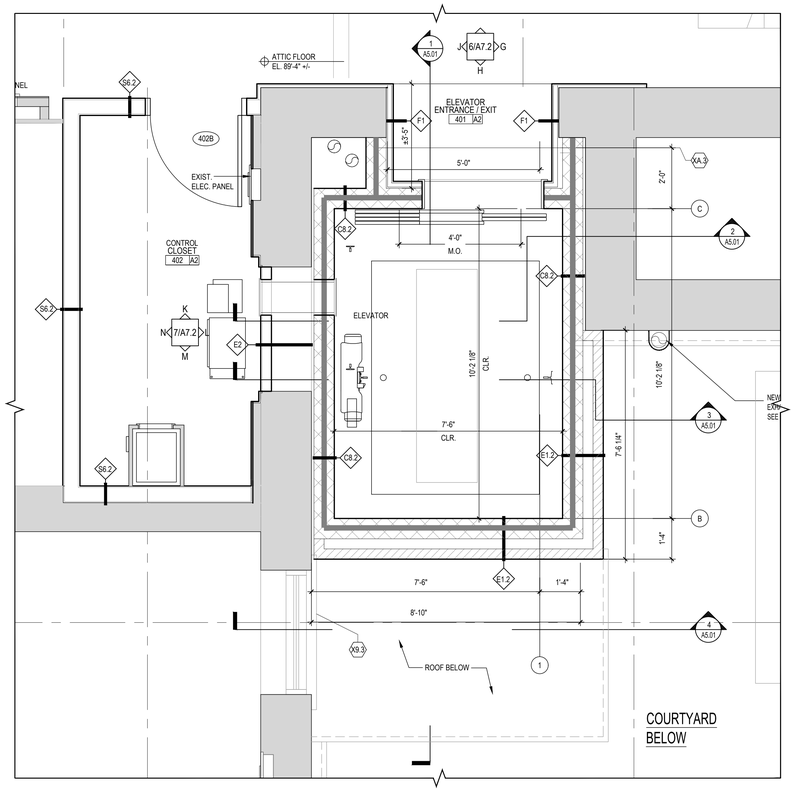
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

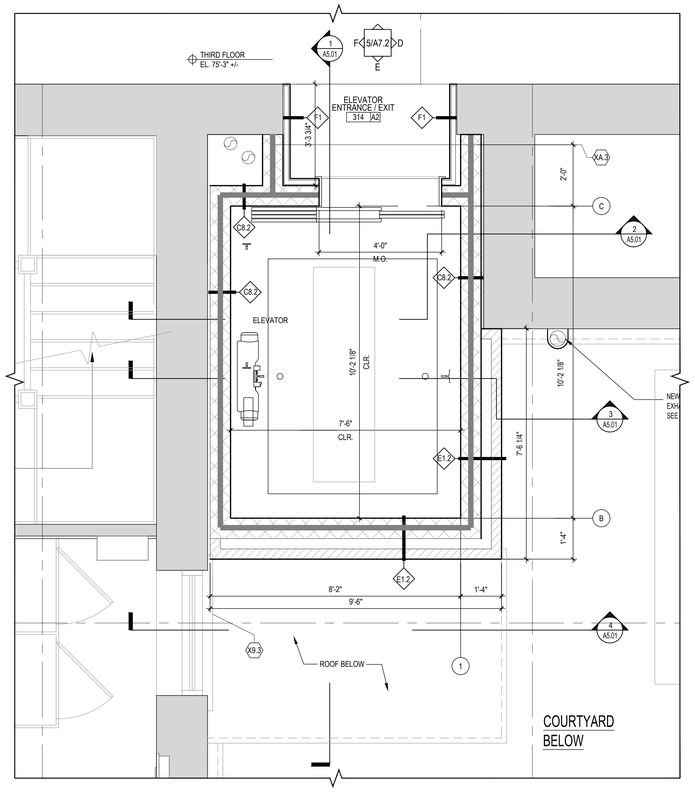
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

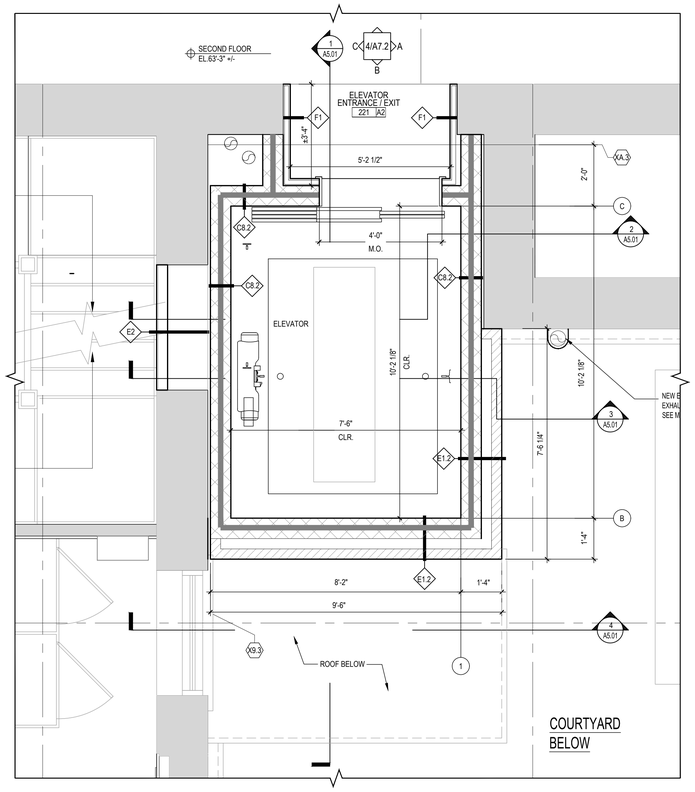
DRAWING NUMBER
A7.01



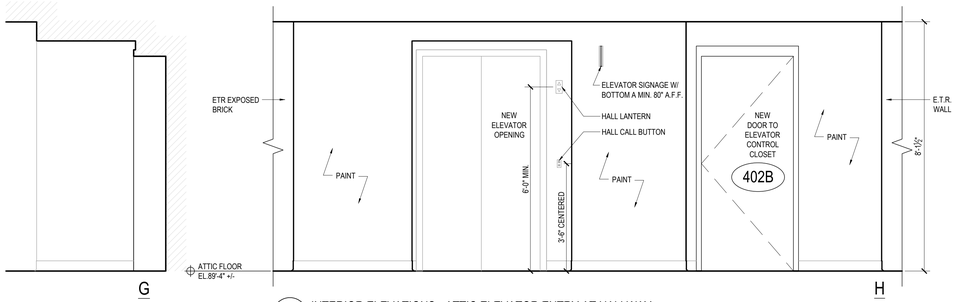
3 ENLARGED ATTIC FLOOR ELEVATOR PLAN
SCALE: 1/4" = 1'-0"



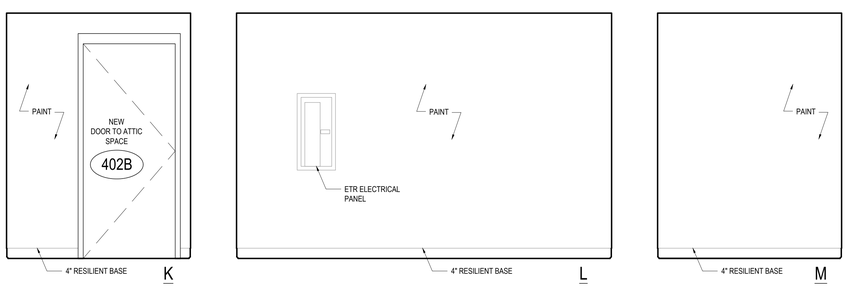
2 ENLARGED THIRD FLOOR ELEVATOR PLAN
SCALE: 1/4" = 1'-0"

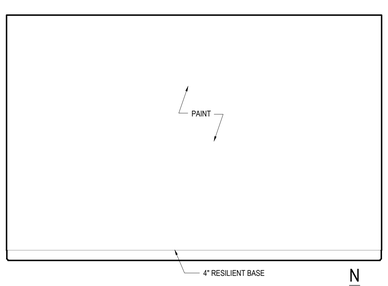


1 ENLARGED SECOND FLOOR ELEVATOR PLAN
SCALE: 1/4" = 1'-0"

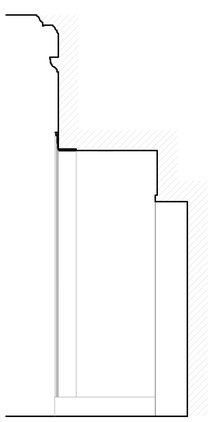


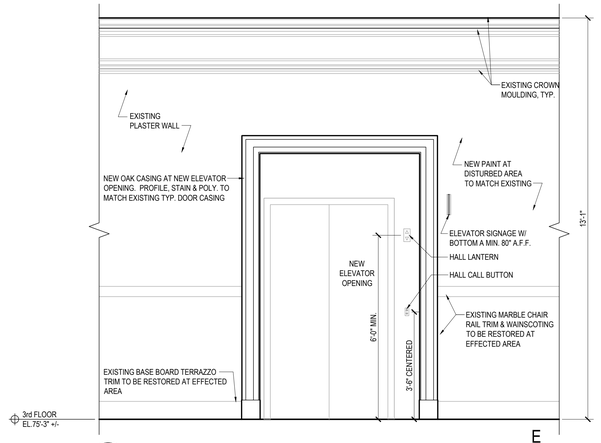
6 INTERIOR ELEVATIONS - ATTIC ELEVATOR ENTRY AT HALLWAY
SCALE: 1/2" = 1'-0"

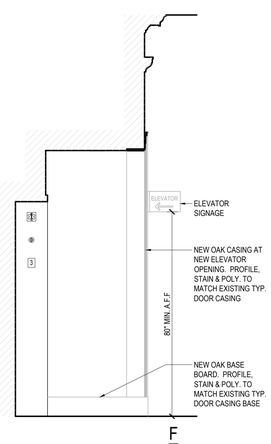




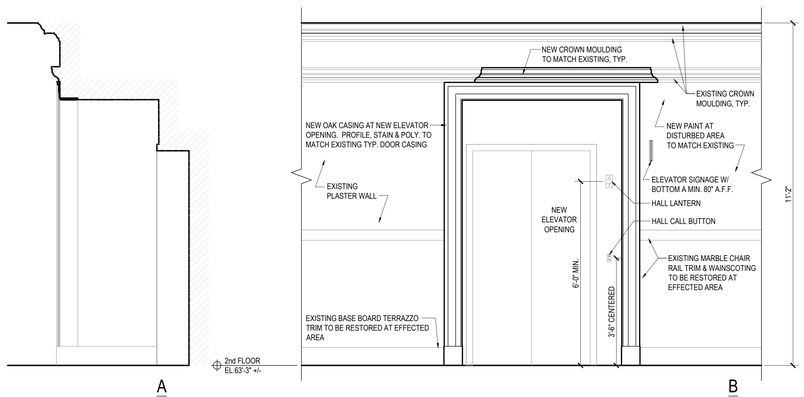
7 INTERIOR ELEVATIONS - ATTIC ELEVATOR CONTROL CLOSET
SCALE: 1/2" = 1'-0"

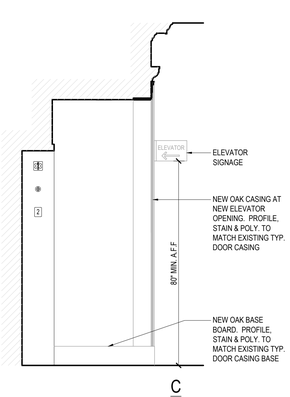






5 INTERIOR ELEVATIONS - 3rd FLOOR ELEVATOR ENTRY AT HALLWAY
SCALE: 1/2" = 1'-0"

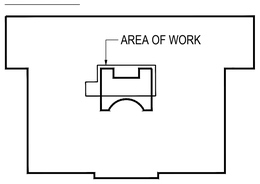




4 INTERIOR ELEVATIONS - 2nd FLOOR ELEVATOR ENTRY AT HALLWAY
SCALE: 1/2" = 1'-0"

SEE A1.02 FOR PARTITION TYPES & NOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
ENLARGED SECOND, THIRD & FOURTH FLR ELEVATOR PLANS & INT. ELEVATIONS

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

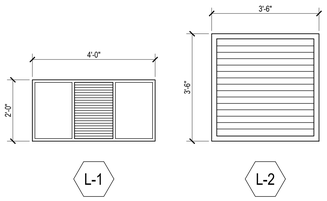
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	DMT
CHECKED	JF
DATE	FEBRUARY 13, 2019

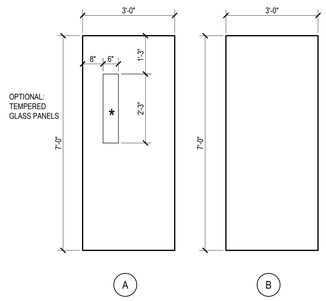
DRAWING NUMBER
A7.02

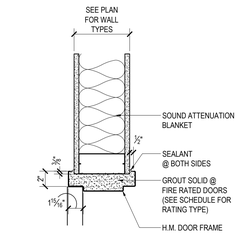
DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	DOOR SIZE	DOOR QTY. (SID)	DOOR MATERIAL	DOOR UNDERCUT	DOOR FIRE RATING	FRAME MATERIAL	FRAME TYPE	HEAD DETAIL	JAMB DETAIL	HARDWARE	THRESHOLD	REMARKS
001A	A	3'-0" x 7'-0"	S	HM	-	1 HR	HM	-	9 / A8.01	8 / A8.01	-	-	
402B	B	3'-0" x 7'-0"	S	HM	-	1-HR	HM	-	9 / A8.01	8 / A8.01	-	-	

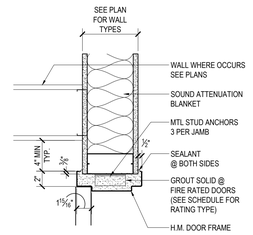


10 LOUVER ELEVATIONS
SCALE: 1/4" = 1'-0"

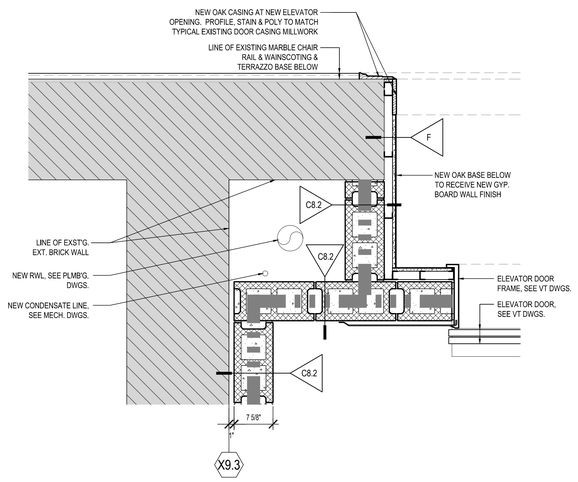




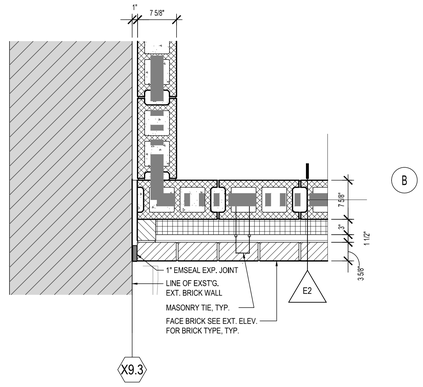
9 DOOR HEAD DETAIL
SCALE : 1 1/2" = 1' - 0" @ MTL STUD WALLS



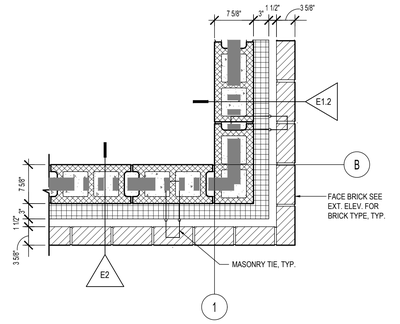
8 DOOR JAMB DETAIL
SCALE : 1 1/2" = 1' - 0" @ MTL STUD WALLS



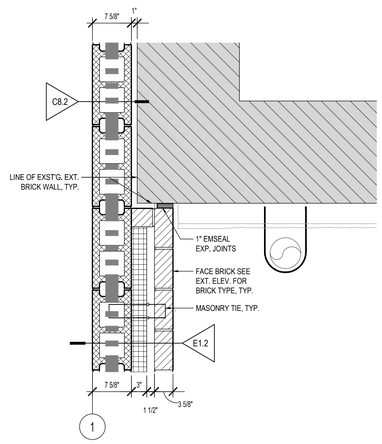
7 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0" TYPICAL



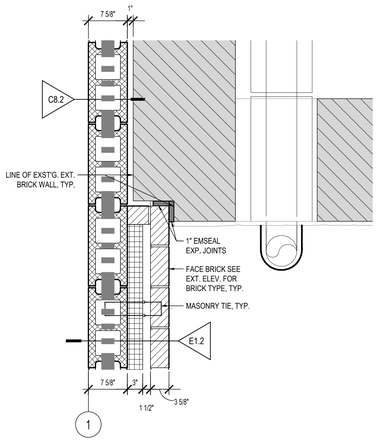
6 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0"



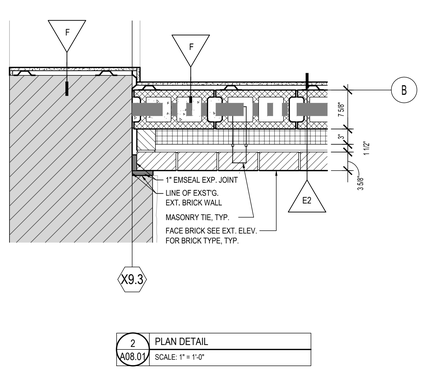
5 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0"



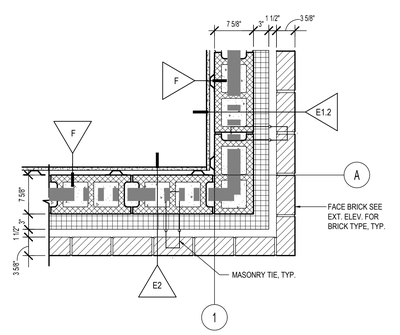
4 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0"



3 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0"



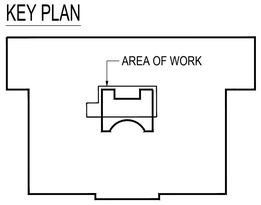
2 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0"



1 PLAN DETAIL
A08.01 SCALE: 1" = 1'-0"

SEE A1.02 FOR PARTITION TYPES & NOTES.

KEY PLAN



NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
DOOR SCHEDULE, ENLRG'D DOOR, FRAME & LOUVERS & PLAN DETAILS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

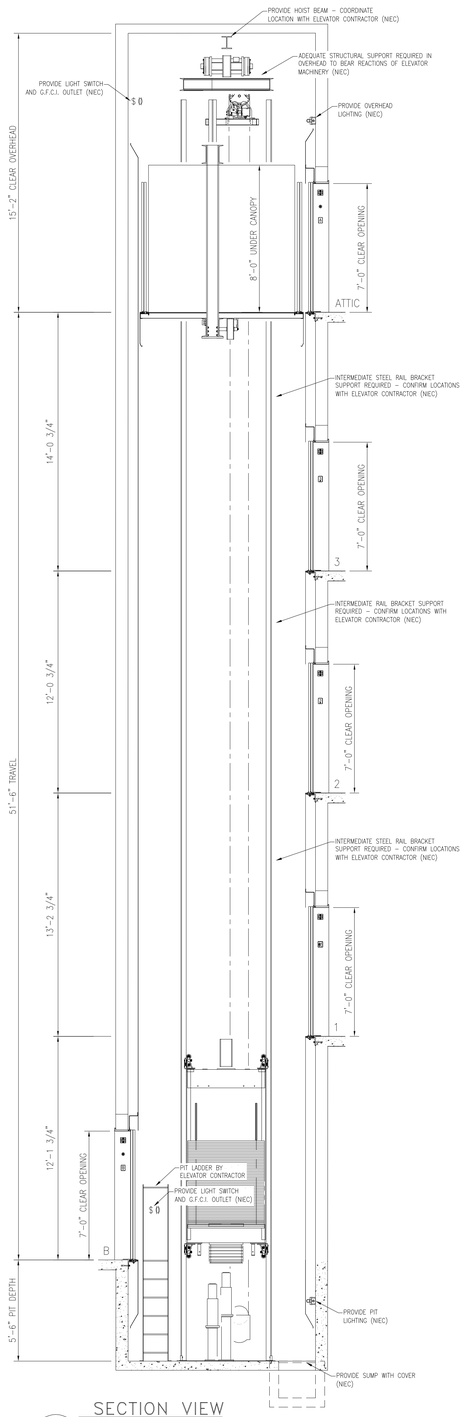
STAMP

DRAWING INFORMATION

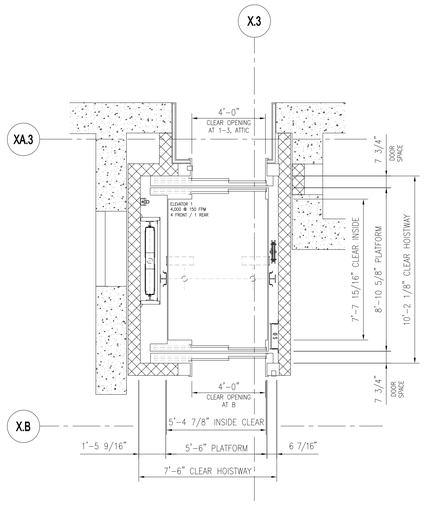
SCALE	AS NOTED
DRAWN BY	DMT, HC
CHECKED	DT, JF
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
A8.01

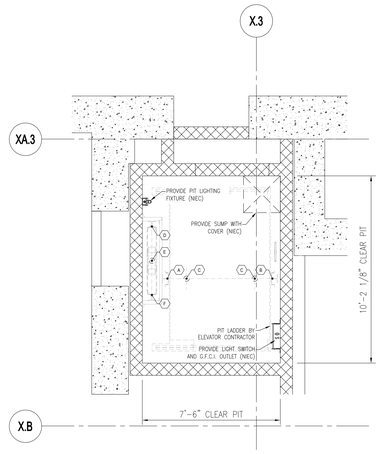
*NIEC = NOT INCLUDED IN ELEVATOR CONTRACT



1 VT.01 SECTION VIEW ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE
UNOCCUPIED SPACE BELOW



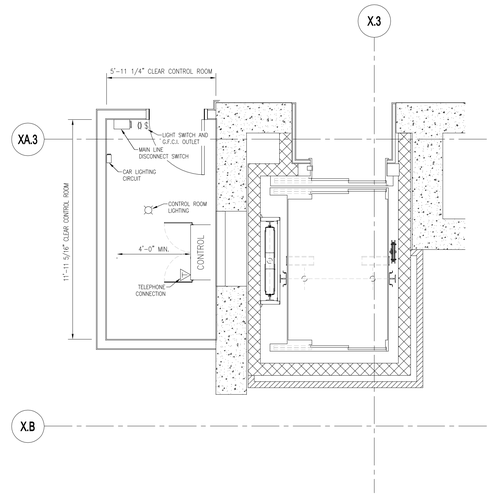
2 VT.01 HOISTWAY PLAN ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE



3 VT.01 PIT PLAN ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE

PIT REACTION TABLE	
KEY	REACTION
A	20,460 LBS
B	13,694 LBS
C	19,332 LBS EACH
D	8,399 LBS
E	29,734 LBS
F	2,511 LBS
REACTIONS HAVE BEEN DOUBLED FOR IMPACT	

4 VT.01 PIT REACTION TABLE ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE



5 VT.01 CONTROL ROOM PLAN ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE
CONTROL ROOM LOCATED AT ROOF LEVEL

RAIL FORCES MAXIMUM ON EACH GUIDE RAIL								
		ELEVATOR NUMBER	ELEVATOR 1					OCCURING ON
NORMAL FORCES		R1	668 LBS					FACE OF MAIN GUIDE
		R2	371 LBS					SIDE OF MAIN GUIDE
		CAR SAFETY	13,694 LBS					FORCE TRANSMITTED TO PIT CAR SAFETY APPLICATION *
		CWT SAFETY	N/A					FORCE TRANSMITTED TO PIT CWT SAFETY APPLICATION *
SEISMIC FORCES	CAR	R1	2,995 LBS					FACE OF MAIN GUIDE **
		R2	1,497 LBS					SIDE OF MAIN GUIDE – LOADING OR RUNNING **
	CWT	R1	3,131 LBS					FACE OF COUNTERWEIGHT GUIDE **
		R2	1,565 LBS					SIDE OF COUNTERWEIGHT GUIDE **

BUILDING SUPPORTS TO RESIST HORIZONTAL FORCES WITH A TOTAL DEFLECTION AT POINT OF SUPPORT NOT IN EXCESS OF 1/8" DURING NORMAL CONDITIONS.

* THESE REACTIONS DO NOT OCCUR SIMULTANEOUSLY WITH PIT BUFFER REACTIONS

** BUILDING SUPPORTS FOR GUIDE RAIL ATTACHMENT SHALL RESIST HORIZONTAL FORCES WITH A TOTAL DEFLECTION NOT IN EXCESS OF 1/4" BASED UPON 0.5G ACCELERATION DURING SEISMIC CONDITIONS

R1, R2, R2

6 VT.01 RAIL FORCES ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE

POWER FEEDER REQUIREMENTS					MAIN SUPPLY: 480V / 3 PH / 60hZ		
UNIT NUMBER	CAPACITY	SPEED FPM	MOTOR HP	DRIVE HP	FULL LOAD AMPERAGE		CONTROL / MACHINE ROOM HEAT LOADING (BTU'S / HR)
					STARTING	RUNNING	
ELEVATOR 1	4,000	150	34	40	54	27	7,402

NOTES:
1. ELECTRIC POWER AND CURRENT ARE BASED ON THREE (3) PHASE A.C. POWER SUPPLY
2. MAIN POWER TO BE PROVIDED AT EACH CONTROLLER THROUGH FUSED DISCONNECTING MEANS OR CIRCUIT BREAKERS
3. MAIN POWER SUPPLY DISCONNECTING MEANS TO BE SIZED TO LIMIT VOLTAGE DROP TO LESS THAN 5%
4. A FOURTH WIRE IS REQUIRED FOR GROUNDING PURPOSES. THE CONDUIT CONTAINING THE POWER CABLE CANNOT BE USED AS A GROUND FOR THE SYSTEM
5. PROVIDE ALL COPPER CONDUCTORS THROUGHOUT
6. MACHINE ROOM TEMPERATURE TO BE MINIMUM 50 DEGREES F, MAX. 90 DEGREES F, TO BE MEASURED 6'-0" ABOVE FINISH FLOOR AT APPROXIMATE CENTER OF ROOM – RELATIVE HUMIDITY MAXIMUM 85% NON CONDENSING
7. THE SELECTION OF MAIN POWER SUPPLY DISCONNECTING MEANS TO BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, SECTION 620-51, ARTICLE 430-52 (EXCEPTIONS A, B, C)
8. PROVIDE LOCAL TELEPHONE SERVICE LINE TO EACH CAR CONTROLLER (IF APPLICABLE)
9. PROVIDE G.F.C.I.–PROTECTED PIT, CONTROL ROOM, AND OVERHEAD OUTLETS

ADDITIONAL POWER AND DISCONNECT REQUIREMENTS IN MACHINE ROOM			
AUXILIARY SYSTEM	SUPPLY TERMINAL	SUPPLY VOLTAGE	CIRCUIT CAPACITY
CAR LIGHT AND FAN W/ LOCKABLE DISCONNECT	EACH CONTROLLER	120V / 1 PH / 60hZ	20 AMP PER CAR
SEISMIC SWITCH	EACH GROUP	120V / 1 PH / 60hZ	20 AMP PER CAR

7 VT.01 ELECTRICAL AND MECHANICAL REQUIREMENTS ELEVATOR 1
SCALE: NONE
BUILDING SUPPORTED MACHINE

NORTH ARROW

CONSULTANTS

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.35

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
ELEVATOR 1
PLANS AND SECTION

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION

SCALE	NTS
DRAWN BY	MS
CHECKED	MG
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
VT.01

GENERAL NOTES

(UNLESS OTHERWISE NOTED IN SPECIFICATIONS)

GENERAL:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SHOP DRAWINGS AND SPECIFICATIONS.
2. SHOP DRAWINGS FOR REINFORCING STEEL (INCLUDING ALL ACCESSORIES), AND POUR SCHEDULES SHALL BE SUBMITTED TO THE ARCHITECT AND A STAMPED ACCEPTANCE RECEIVED BEFORE FABRICATION CAN PROCEED. ERECTION SHALL BE EXECUTED FROM ACCEPTED SHOP DRAWINGS ONLY.
3. A COMPLETE CONCRETE SLAB-ON-GRADE PLACEMENT SCHEDULE SHALL BE SUBMITTED TO THE ARCHITECT AND A STAMPED REVIEWED RECEIVED BEFORE ANY CONCRETE PLACEMENT CAN BE MADE.
4. UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
5. U.O.N. = UNLESS OTHERWISE NOTED.
6. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND/OR ELEVATIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
7. IN CASE OF CONFLICT AMONG CONTRACT DOCUMENTS (i.e. CONTRACT DOCUMENTS AND SPECIFICATIONS), THE MORE SPECIFIC AND LOCALIZED INFORMATION IN THE FOLLOWING ASCENDING ORDER SHALL GOVERN: SPECIFICATIONS, NOTES, PLANS, SCHEDULES AND DETAILS.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING AND BRACING FOR THE BUILDING DURING THE ENTIRE CONSTRUCTION.
9. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITIONS (UNLESS NOTED OTHERWISE) OF THE FOLLOWING BUILDING CODES AND STANDARDS:

   A. THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION

   B. 2015 INTERNATIONAL BUILDING CODE

DESIGN LOADS PER MASSACHUSETTS STATE BUILDING CODE: (9TH EDITION)

1. ROOFS:

   GROUND SNOW LOAD, Pg = 30 PSF Ce = 1.0 Is = 1.0 Ct = 1.1 Cs= 1.0
   DESIGN (SLOPED ROOF SNOW LOAD), Ps = 30 PSF + DRIFT LOADS PER CODE

   ROOFING: .....5 PSF
   SUSPENDED SERVICES: .....10 PSF
   STRUCTURE: .....5 PSF

2. FLOORS:

   LIVE LOAD.....100 PSF
   SUSPENDED SERVICES: .....3 PSF
   CEILING: .....3 PSF
   STRUCTURE: .....ACTUAL WEIGHTS OF MATERIALS

3. WIND LOAD:

   BASIC WIND SPEED, V: ..... 129 MPH Iw = 1.0 OCCUPANCY CATEGORY = II
   EXPOSURE CATEGORY = B
   INTERNAL PRESSURE COEFFICIENT, GCpi: ±0.55

4. SEISMIC LOAD:

   (a) OCCUPANCY CATEGORY: II
   (b) IMPORTANCE FACTOR = 1.00
   (c) SITE CLASS: D (ASSUMED)
   (d) MAPPED ACCELERATION PARAMETERS: Ss = 0.170 S1 = 0.058
   (e) DESIGN ACCELERATION PARAMETERS: Sds = 0.113 Sd1 = 0.093
   (f) SEISMIC DESIGN CATEGORY: B
   (g) THE NEW ELEVATOR WILL BE STRUCTURALLY ATTACHED TO AND BRACED BY THE EXISTING BUILDING. NO DEMAND CAPACITY RATIO WILL INCREASE BY MORE THAN 10%. REINFORCEMENT OF THE EXISTING LATERAL LOAD SYSTEM IS NOT REQUIRED.

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL MATERIALS, WORKMANSHIP, AND DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE ANSI / AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES". STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

   STRUCTURAL STEEL W-SHAPES.....ASTM A992 (GRADE 50)
   STRUCTURAL STEEL PLATES.....ASTM A572, GRADE 50 (MIN.), U.O.N.
   STEEL ANGLES AND CHANNELS.....ASTM A36 (MIN.), U.O.N.

2. ALL SHOP CONNECTIONS SHALL BE WELDED TO CONFORM TO "STRUCTURAL WELDING CODE" AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY, E70 SERIES. SHOP CONNECTIONS MAY BE HIGH STRENGTH BOLTED TO CONFORM TO SPECIFICATION ASTM F3125 (GRADE A325).
3. ALL FIELD CONNECTIONS SHALL BE HIGH STRENGTH BOLTED TO CONFORM TO ASTM F3125 GRADE A325 (OR GRADE A490), UNLESS OTHERWISE NOTED. WHERE WELDING IS SPECIFIED, WELDING PER NOTE #2 ABOVE SHALL APPLY.
4. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL BEAMS SHALL BE PRIMED AND PAINTED PER THE ARCHITECTURAL REQUIREMENTS.
5. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS. ALL CERTIFICATIONS MUST BE CURRENT (i.e. WITHIN 12 MONTHS OF PERFORMANCE OF WELDING).
6. PROVIDE A MINIMUM OF 1/4" FILLET WELDS (ALL AROUND) AT WELDED CONNECTIONS, U.O.N.

STEEL DECKING:

1. UNLESS OTHERWISE NOTED, STEEL ROOF DECK SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A653 GRADE 33. BEFORE FORMING, SHEETS SHALL BE COATED WITH A ZINC COATING CONFORMING TO ASTM-A653, G-90 COATING, UNLESS OTHERWISE NOTED.
2. STEEL FLOOR DECK (COMPOSITE) SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO AISC SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. BEFORE FORMING, SHEETS SHALL BE COATED WITH A ZINC COATING CONFORMING TO ASTM-A653, G-60 COATING. UNITS SHALL BE SUPPLIED WITH INTEGRAL LOCKING LUGS TO PROVIDE A MECHANICAL LOCK BETWEEN THE DECK AND THE CONCRETE SLAB.
3. STEEL DECK UNITS SHALL SPAN THREE OR MORE SUPPORTS WHERE POSSIBLE.
4. STEEL FLOOR DECKING SHALL BE FASTENED TO STEEL FRAMING BY A 5/8" DIAMETER (MINIMUM) PUDDLE WELDS IN A 36/4 PATTERN. DECK SHEETS SHALL BE FASTENED TO EACH OTHER AT SIDELAPS WITH #10 TEK SCREWS AT 36" ON CENTER (MAXIMUM SPACING).
5. STEEL ROOF DECKING SHALL BE FASTENED TO THE SUPPORTING STEEL FRAMING WITH ½" DIAMETER (MINIMUM) PUDDLE WELDS @ 8" O.C. (AT ENDS AND AT INTERMEDIATE SUPPORTS). ROOF DECK SHEETS SHALL BE FASTENED TO EACH OTHER AT SIDELAPS W/ #10 TEK SCREWS AT 24" O.C. (MINIMUM) BUT THERE SHALL BE A MINIMUM OF THREE SIDELAP FASTENERS PER DECK SPAN.
6. PROVIDE END CLOSURES, CAPS, SUMP PANS AND ALL OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. SUMP PANS ARE REQUIRED FOR OPENINGS GREATER THAN 13" AND AT ALL ROOF DRAINS.
7. MECHANICAL, ELECTRICAL, PLUMBING OR CEILING CONSTRUCTION SHALL NOT BE HUNG DIRECTLY FROM THE STEEL DECK.

REINFORCED CONCRETE MASONRY:

1. ALL REINFORCED CONCRETE MASONRY SHALL CONFORM TO THE LATEST EDITION OF THE NCMA "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY".
2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N, TYPE I, NORMAL WEIGHT AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON THE NET AREA, U.O.N.
3. COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY SHALL EQUAL OR EXCEED f'm = 2000 PSI.
4. MORTAR SHALL CONFORM TO ASTM C270, TYPE M OR S.
5. GROUT SHALL CONFORM TO ASTM C476, FINE TYPE, AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.
6. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED.
7. PROVIDE HORIZONTAL AND VERTICAL REINFORCING AS NOTED ON THE DRAWINGS AND FILL ALL REINFORCED BLOCK CELLS WITH GROUT. REFER TO "MINIMUM MASONRY WALL REINFORCING SCHEDULE", OR SECTIONS, FOR REQUIRED WALL REINFORCEMENT. HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS THRU CORNERS, INTERSECTIONS, AND PILASTERS.
8. GROUTING SHALL BE LIMITED TO A MAXIMUM WALL HEIGHT OF 4 FEET PER LIFT.
9. ALL CMU DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF CHAPTERS 1 THROUGH 8 OF ACI 530/ASCE.

QUALITY ASSURANCE:

1. THE OWNER SHALL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO PROVIDE QUALITY ASSURANCE TESTING AND INSPECTIONS FOR WORK SPECIFIED IN CHAPTER 17 OF THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION. THE TESTING AGENCY SHALL BE LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF AN ENGINEER REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS.
2. FAILURE OF QUALITY ASSURANCE TESTING AND INSPECTIONS TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS NOTED, NOR SHALL IT OBLIGATE THE OWNER'S REPRESENTATIVE FOR FINAL ACCEPTANCE.
3. SEE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR QUALITY ASSURANCE TESTING AND INSPECTIONS.
4. THE TESTING AGENCY AND ITS REPRESENTATIVES ARE NOT AUTHORIZED TO REVOKE, ALTER, RELAX, ENLARGE OR RELEASE ANY PORTION OF THE WORK, PERFORM ANY DUTIES OF THE CONTRACTOR OR BE A PARTY TO SCHEDULING OF WORK.
5. RECORDS OF INSPECTIONS SHALL BE KEPT AVAILABLE TO THE BUILDING OFFICIAL DURING PROGRESS OF THE WORK AND FOR TWO YEARS AFTER COMPLETION OF THE PROJECT. RECORDS SHALL BE PRESERVED BY THE INDEPENDENT TESTING AGENCY.
6. CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTAL DATES AT LEAST 30 DAYS PRIOR TO FIRST SUBMITTAL. FAILURE TO SUBMIT DRAWINGS ON DESIGNATED DATE MAY IMPACT REVIEW SCHEDULE.

FOUNDATIONS:

1. THE BOTTOM SURFACE OF ALL FOUNDATIONS SHALL REST ON NATURAL COMPETENT SOIL OR ON COMPACTED STRUCTURAL FILL, COMPACTED TO 95 PERCENT MAXIMUM MODIFIED PROCTOR DENSITY. FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 4000 POUNDS PER SQUARE FOOT, U.N.O. FIELD VERIFY SOIL BEARING CONDITIONS.
2. THE ESTIMATED ELEVATION OF THE BOTTOM OF EACH FOOTING IS INDICATED THUS [0'-0"]. THE BOTTOM OF EACH EXTERIOR FOOTING SHALL BE 4'-0" MIN. BELOW LOWEST ADJACENT FINISHED GRADE, UNLESS OTHERWISE NOTED.
3. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS RETAINING EARTH UNLESS WALLS ARE SUFFICIENTLY BRACED TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE AND THE SLAB-ON-GRADE IS IN PLACE.
4. PROVIDE 6" OF CRUSHED STONE AND A 15 MIL POLYETHYLENE VAPOR BARRIER AND INSULATION UNDER ALL INTERIOR SLABS-ON-GRADE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
5. FOR CONSTRUCTION UNDER WINTER CONDITIONS, FOUNDATION AND FLOOR SLABS SHALL BE PROTECTED FROM FREEZING TEMPERATURES UNTIL THE BUILDING IS ENCLOSED AND HEATED,
6. THE DESIGN AND EXECUTION OF ALL TEMPORARY EARTH RETENTION SYSTEMS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
7. NO CONCRETE SHALL BE PLACED IN WATER, ICE, FROST, OR ON FROZEN SUBGRADE MATERIAL. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PREVENT FROST FROM PENETRATING ANY FOOTING OR SUBGRADE MATERIAL (BEFORE AND AFTER CONCRETE PLACEMENT) UNTIL SUCH SUBGRADE MATERIAL IS FULLY PROTECTED BY THE PERMANENT STRUCTURAL SYSTEM,
8. ALL WORK SHALL BE REVIEWED BY A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER.

CONCRETE: (CAST-IN-PLACE)

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, ALL CONCRETE SHALL BE NORMAL WEIGHT (150 PCF MAXIMUM).
2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 (DEFORMED), AND SHALL BE FREE FROM LOOSE RUST AND SCALE.
3. LAP ALL CONTINUOUS BARS 48 BAR DIAMETERS (MINIMUM) OR PER THE DEVELOPMENT AND SPLICE TABLE (WHICHEVER IS GREATER).
4. CLEAR CONCRETE PROTECTION FOR REINFORCING: (UNLESS OTHERWISE NOTED),

   A. FOOTINGS (AND OTHER CONCRETE ELEMENTS CAST AGAINST EARTH): 3"
   B. FOUNDATION WALLS (AND OTHER CONCRETE ELEMENTS EXPOSED TO EARTH): 2"
   C. SLABS-ON-GRADE: 2" FROM TOP (U.O.N.), ½" FROM BOTTOM

5. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD BECAUSE OF SLEEVES, DUCT OPENINGS OR RECESSES. BARS MAY BE MOVED ASIDE WITHOUT CHANGE IN LEVEL WITH THE APPROVAL OF THE ARCHITECT.
6. NO PIPES SHALL PASS THROUGH CONCRETE WITHOUT THE PERMISSION OF THE ARCHITECT. STEEL PIPE SLEEVES SHALL BE PROVIDED AND SPACED A MINIMUM OF THREE PIPE DIAMETERS APART. ALL OTHER SLEEVE LOCATIONS MUST BE SUBMITTED FOR REVIEW. IN NO CASE SHALL SLEEVES BE PLACED IN CONCRETE BEAMS WITHOUT WRITTEN ACCEPTANCE FROM THE STRUCTURAL ENGINEER.
7. ALL KEYS SHALL BE 2" BY 4" WITH BEVELED SIDES (UNLESS OTHERWISE NOTED).
8. HORIZONTAL CONSTRUCTION JOINTS SHALL BE AS INDICATED ON THE DRAWINGS. ALL CONSTRUCTION JOINTS SHALL BE FORMED WITH A STANDARD KEY AND ALL REINFORCING EXTENDED 48 BAR DIAMETERS.
9. THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING THE COMPLETE LAYOUTS OF ALL CONTROL JOINTS, CONSTRUCTION JOINTS, AND ISOLATION JOINTS FOR SLABS-ON-GRADE. CONCRETE PLACEMENT SHALL NOT PROCEED UNTIL THESE DRAWINGS HAVE BEEN REVIEWED BY THE ARCHITECT. SEE PLAN FOR LOCATION RULES AND LIMITATIONS.
10. DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL 315.
11. SUPPORT BARS FOR SLAB REINFORCING SHALL BE #5 OR GREATER, AND SHALL BE SPACED NOT MORE THAN 4'-0" O.C. SUPPORT BARS AND ENDS OF MAIN REINFORCING BARS SHALL NOT EXTEND MORE THAN 1'-6" PAST THE OUTERMOST CHAIR OR SUPPORT BAR.
12. ALL REINFORCING ACCESSORIES FOR EXPOSED SURFACES SHALL HAVE UPTURNED LEGS AND BE PLASTIC DIPPED AFTER FABRICATION. ACCESSORIES FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ACI, LATEST EDITION.
13. PROVIDE ADDITIONAL REINFORCING AT ALL CONSTRUCTION JOINTS, AS REQUIRED, ACCORDING TO THE APPLICABLE CONSTRUCTION JOINT DETAILS SHOWN ON THESE DRAWINGS.
14. ALL DOWELS WALL REINFORCEMENT SHALL MATCH LAPPING BAR SIZE AND SPACING, U.O.N.
15. ALUMINUM CONDUITS AND PIPES SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE UNLESS EFFECTIVELY COATED OR COVERED TO PREVENT ALUMINUM-CONCRETE REACTION OR ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.
16. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS AND WALLS.
17. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED (5% AIR).
18. CONCRETE SHALL BE CAST MONOLITHICALLY, EXCEPT AS INDICATED ON THE DRAWINGS.

SHOP DRAWINGS:

1. SHOP DRAWINGS ARE DRAWINGS, DIAGRAMS, SCHEDULES, MATERIAL LISTS AND OTHER DATA SPECIFICALLY PREPARED FOR THE WORK FOR THE GENERAL CONTRACTOR OR ANY SUBCONTRACTOR, MANUFACTURER, SUPPLIER OR DISTRIBUTOR TO ILLUSTRATE SOME PORTION OF THE WORK. CONTRACT DRAWINGS ARE NOT TO BE REPRODUCED FOR USE AS SHOP DRAWINGS.
2. WHEN APPLICABLE, SHOP DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO: ERECTION PLANS, NOTES AND BRACING DETAILS, ACCESSORIES, CONNECTION DETAILS, JOIST, BEAM AND COLUMN DETAILS, BENDING DETAILS FOR REINFORCING RODS, AND ANY OTHER ITEMS WHICH ARE TYPICAL OF INDUSTRY STANDARD FOR SHOP DRAWING SUBMITTALS. SUBMIT STAMPED STRUCTURAL CALCULATIONS WHERE NOTED ABOVE.
3. NO PORTION OF THE WORK REQUIRING SUBMISSION OF A SHOP DRAWING SHALL BE STARTED UNTIL THE SUBMITTAL HAS BEEN SATISFACTORILY REVIEWED BY SOUZA, TRUE AND PARTNERS, INC. (STP) AND ALL OTHER PARTIES INVOLVED. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH FINAL REVIEWED SUBMITTALS AND THE CONTRACT DOCUMENTS.
4. ALL SHOP DRAWINGS SHALL BE SUBMITTED ELECTRONICALLY, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. UNLESS OTHERWISE NOTED IN THE CONTRACT SPECIFICATIONS, THE FOLLOWING SEQUENCE SHALL BE FOLLOWED: MANUFACTURER/CONTRACTOR/ARCHITECT/ENGINEER/ARCHITECT/CONTRACTOR/MANUFACTURER.
5. THE CONTRACTOR SHALL REVIEW, APPROVE AND SUBMIT ALL SHOP DRAWINGS REQUIRED BY THE CONTRACT DOCUMENTS IN AN ORDER WHICH IS SEQUENTIAL WITH THE PROGRESS OF THE WORK AND CONSISTANT WITH THE LEAD TIMES RELATED TO THE PRODUCTS. THE SHOP DRAWING SUBMITTAL SCHEDULE SHALL INCLUDE ADEQUATE TIME FOR A COMPLETE AND PROFESSIONAL REVIEW BY ALL PARTIES INVOLVED. IT SHALL BE NOTED THAT THE REVIEW TIME WILL VARY DEPENDING ON THE SIZE AND CONTENT OF THE SUBMITTAL. BY APPROVING AND SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT HE OR SHE HAS VERIFIED ALL MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO, OR WILL DO SO. IN ADDITION, THIS SHALL REPRESENT THAT HE OR SHE HAS CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DRAWINGS. SOUZA, TRUE AND PARTNERS, INC. RESERVES THE RIGHT TO RETURN ANY SHOP DRAWINGS WHICH ARE JUDGED TO BE "RUBBER STAMP APPROVED" BY THE CONTRACTOR WITHOUT PROPER REVIEW AND EVALUATION.
6. ALL SHOP DRAWINGS THAT ARE RECEIVED WITHOUT FIRST BEING REVIEWED AND STAMPED BY THE CONTRACTOR WILL BE RETURNED UNREVIEWED.
7. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AS A RESULT OF STP'S (SOUZA, TRUE AND PARTNERS, INC.) REVIEW OF THE SHOP DRAWINGS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED STP, IN WRITING, OF SUCH DEVIATION AT THE TIME OF SUBMISSION AND STP HAS GIVEN WRITTEN ACCEPTANCE TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS BY STP'S REVIEW THEREOF.
8. THE CONTRACTOR SHALL DRAW ATTENTION TO ALL DEVIATIONS FROM THE CONTRACT DRAWINGS AND INCLUDE REASONS FOR SUCH DEVIATIONS WITH THE SUBMITTED SHOP DRAWINGS. IN ADDITION, THE CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION, IN WRITING OR ON RESUBMITTED SHOP DRAWINGS, TO REVISIONS OTHER THAN THOSE REQUESTED BY STP ON PREVIOUS SUBMITTALS.
9. REFER TO SAMPLE SHOP DRAWING STAMP AND ACTION LEGEND (BELOW) FOR FURTHER CLARIFICATION:

ACTION LEGEND

SUBMITTAL ACCEPTED
MATERIALS, SIZES, GENERAL ARRANGEMENT AND DETAILS SHOWN ON THIS DRAWING APPEAR TO BE IN SUBSTANTIAL COMPLIANCE WITH THE INTENT OF THE CONTRACT DRAWINGS.

SUBMITTAL ACCEPTED, SUBJECT TO NOTATIONS
CORRECTIONS NOTED WILL BRING THIS SUBMITTAL INTO SUBSTANTIAL COMPLIANCE WITH THE MATERIALS, SIZES, GENERAL ARRANGEMENTS AND DETAILS NOTED IN THE CONTRACT DOCUMENTS. PROVIDED THAT NO OTHER MODIFICATIONS ARE NECESSARY, RESUBMITTAL IS NOT REQUIRED. REVIEW IS COMPLETE AND ALL CORRECTIONS ARE DEEMED OBVIOUS WITH NO AMBIGUITY.

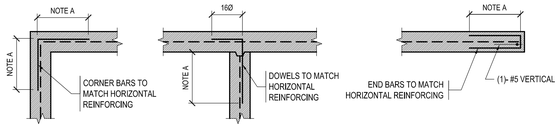
SUBMITTAL ACCEPTED IN PART, RESUBMIT ITEMS NOTED
CORRECTIONS NOTED WILL BRING THIS SUBMITTAL INTO SUBSTANTIAL COMPLIANCE WITH THE MATERIALS, SIZES, GENERAL ARRANGEMENTS AND DETAILS NOTED IN THE CONTRACT DOCUMENTS. PORTIONS OF THE DRAWING MUST BE REVISED AND REVIEWED PRIOR TO FABRICATION.

SUBMITTAL NOT ACCEPTED, REVISE, REVIEW AND RESUBMIT
FABRICATION SHALL NOT TAKE PLACE PRIOR TO THIS DRAWING BEING REVISED, RESUBMITTED AND REVIEWED BY SOUZA, TRUE AND PARTNERS, INC., AND ALL OTHER PARTIES INVOLVED. DETAILS OR ITEMS NOTED BY THE REVIEWER REQUIRE FURTHER CLARIFICATION.

10. RESUBMITTED SHOP DRAWINGS THAT WERE PREVIOUSLY ACCEPTED WILL BE NOT REVIEWED UNLESS REVISIONS ARE CLOUDED, ONLY CLOUDED ITEMS WILL BE RE-REVIEWED.
11. CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTAL DATES AT LEAST 30 DAYS PRIOR TO FIRST SUBMITTAL. FAILURE TO SUBMIT DRAWINGS ON DESIGNATED DATE MAY IMPACT REVIEW SCHEDULE.

POST-INSTALLED ANCHORS:

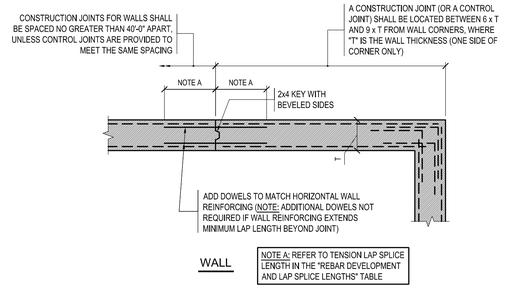
1. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.
   A. WHERE PLANS, SECTIONS, OR DETAILS REQUIRE ANCHORAGE TO CONCRETE WITH ADHESIVE ANCHORS, USE THE HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) WITH HAS-E THREADED RODS (SEE NOTE #2 BELOW) PER ICC ESR-3187, OR APPROVED EQUAL.
   B. WHERE PLANS, SECTIONS, OR DETAILS REQUIRE ANCHORAGE TO SOLID GROUTED MASONRY WITH ADHESIVE ANCHORS, USE THE HILTI HIT-HY 70 HYBRID ADHESIVE FOR MASONRY WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) WITH HAS-E THREADED RODS (SEE NOTE #2 BELOW) PER ICC ESR-2682, OR APPROVED EQUAL.
   C. WHERE PLANS, SECTIONS, OR DETAILS REQUIRE ANCHORAGE TO CONCRETE OR SOLID GROUTED MASONRY WITH MECHANICAL OR EXPANSION ANCHORS, USE HILTI KWIK BOLT-3 EXPANSION ANCHORS PER ICC ESR-1369.
   D. WHERE PLANS, SECTIONS, OR DETAILS REQUIRE NEW STEEL REINFORCING BARS TO BE ANCHORED TO CONCRETE, USE THE HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187.
2. UNLESS OTHERWISE NOTED, THREADED ROD ANCHORS SHALL CONFORM TO HAS-E STANDARD IS 898 CLASS 5.8.
3. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
4. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
5. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFI SYSTEM.
6. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
7. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
8. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. NO EXISTING BARS MAY BE CUT OR REMOVED TO INSTALL ANCHORS. CONTRACTOR MAY RELOCATE ANCHORS TO AVOID EXISTING REINFORCEMENT PROVIDED MAXIMUM SPACING AND EDGE CLEARANCE DISTANCES ARE MAINTAINED.



CORNER INTERSECTION END

NOTE A: REFER TO TENSION LAP SPLICE LENGTH IN THE "REBAR DEVELOPMENT AND LAP SPLICE LENGTHS" TABLE

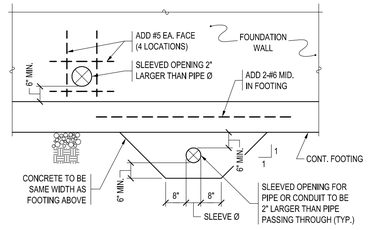
TYPICAL SUPPLEMENTAL REINFORCING DETAILS FOR CONCRETE WALLS



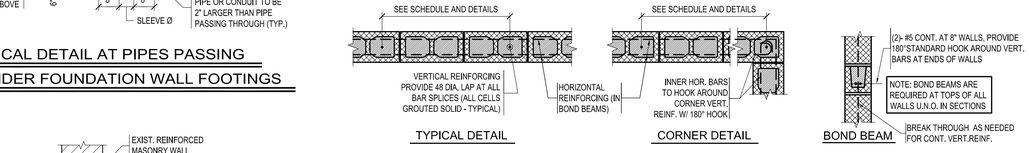
WALL

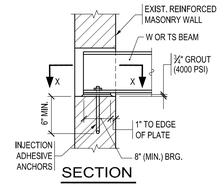
NOTE A: REFER TO TENSION LAP SPLICE LENGTH IN THE "REBAR DEVELOPMENT AND LAP SPLICE LENGTHS" TABLE

TYPICAL CONSTRUCTION JOINT DETAILS

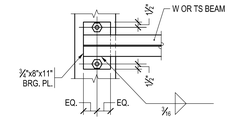


TYPICAL DETAIL AT PIPES PASSING OVER/UNDER FOUNDATION WALL FOOTINGS





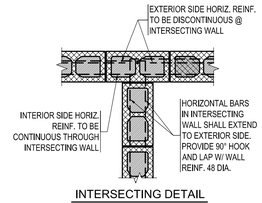
SECTION

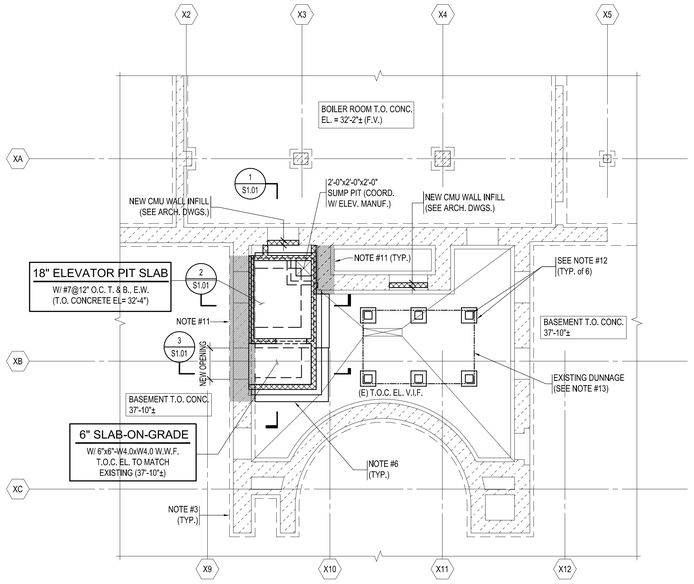


PLAN

TYPICAL BEAM POCKET DETAIL @ CMU WALLS

NO SCALE


EXTERIOR SIDE HORIZ. REINF. TO BE DIS

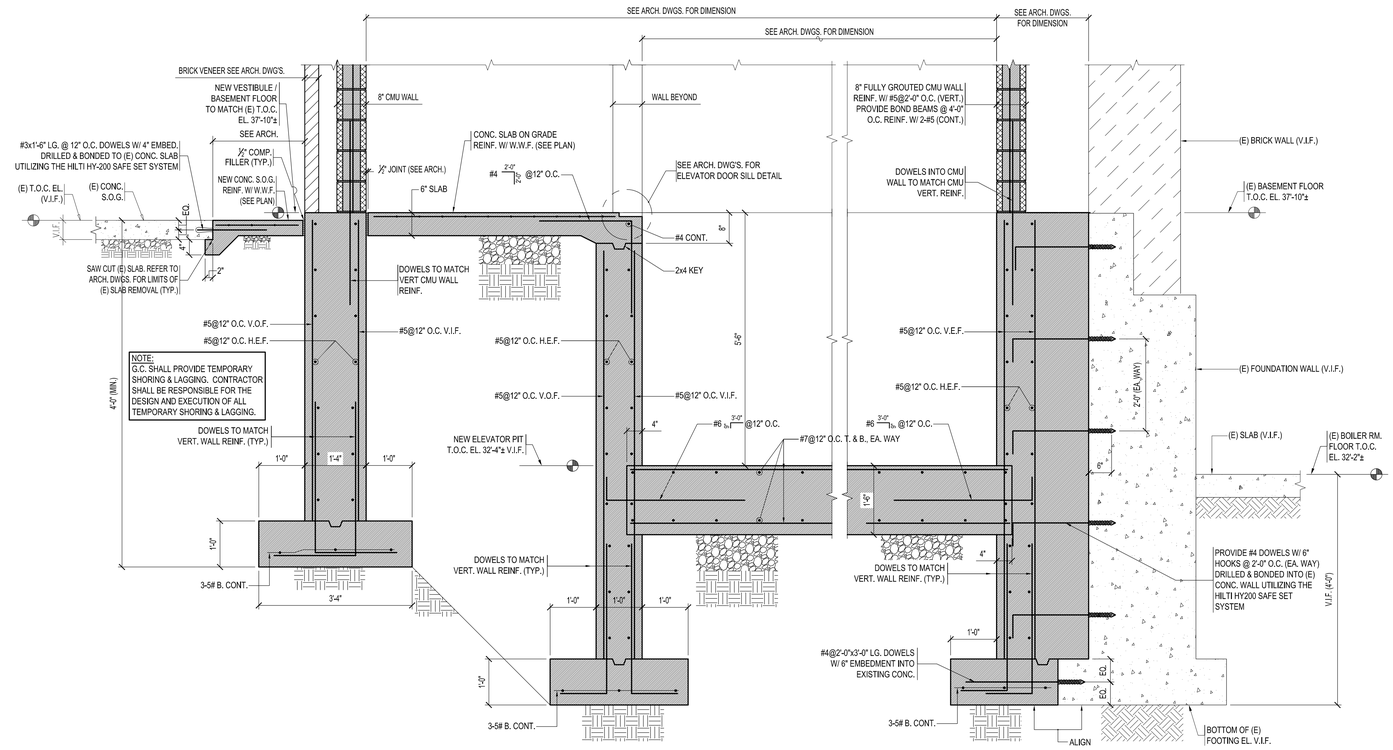


BASEMENT FLOOR PLAN

1/4"=1'-0"

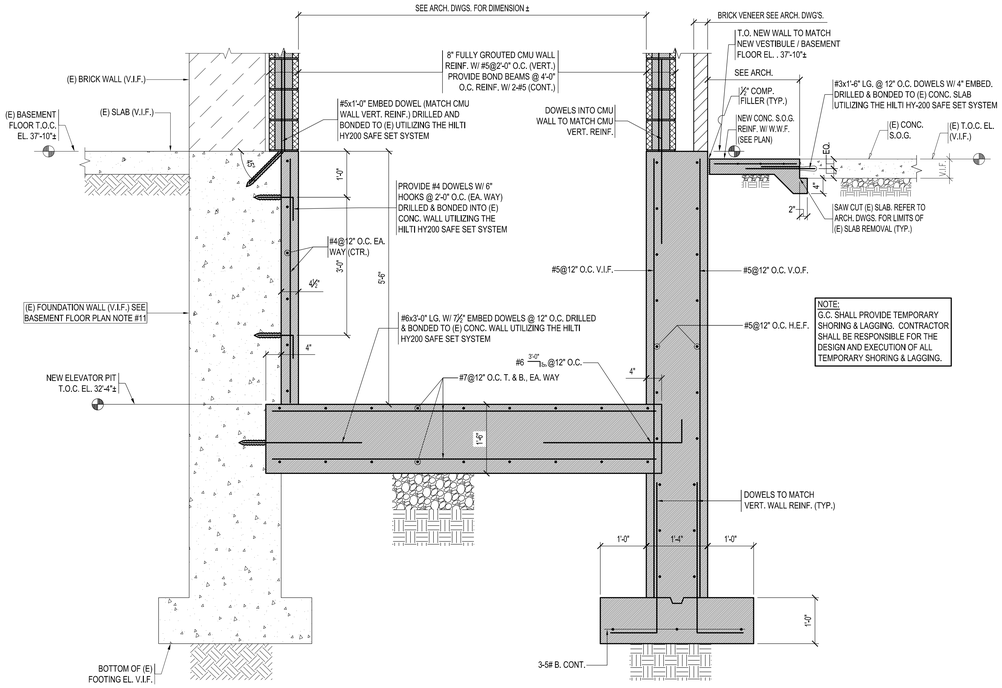
NOTES:

1. REFER TO DRAWINGS S0.01 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND/OR ELEVATIONS NOT SHOWN.
3. CONTRACTOR TO FIELD VERIFY BOTTOMS OF (E) FOOTING ELEVATIONS. IT IS ANTICIPATED THAT FOOTINGS SHALL BE A MINIMUM OF 4'-0" BELOW GRADE BUT MAY BE DEEPER DUE TO CHANGES IN ELEVATION OF INTERIOR SLABS.
4. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS RETAINING BACKFILL UNLESS WALLS ARE SUFFICIENTLY BRACED, IN ORDER TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE.
5. COORDINATE ALL SLOTS, INSERTS, DOWELS, SLEEVES, PADS, ETC., AND ALL ANCHORS PRIOR TO PLACING CONCRETE.
6. THE BOTTOM SURFACE OF ALL NEW FOUNDATIONS SHALL REST ON NATURAL COMPETENT SOIL OR ON COMPACTED STRUCTURAL FILL, COMPACTED TO 95 PERCENT MAXIMUM MODIFIED PROCTOR DENSITY. FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 4000 POUNDS PER SQUARE FOOT, U.N.O. FIELD VERIFY SOIL BEARING CONDITIONS. NEW FOUNDATIONS SHALL ADJACENT TO EXIST FOUNDATION SHALL MATCH THE BOTTOM ELEVATION OF THE EXISTING FOUNDATION. NEW FOUNDATION MAY STEP UP BUT BOTTOM OF NEW FOUNDATIONS MUST REMAIN A MINIMUM OF 4'-0" BELOW GRADE.
7. CONSTRUCTION JOINTS IN ALL CONCRETE FOUNDATION WALLS SHALL NOT EXCEED 40 LINEAR FEET, UNLESS CONTROL JOINTS ARE PROVIDED TO MEET SAME.
8. PROVIDE ADDITIONAL REINFORCEMENT AT ALL CONSTRUCTION JOINTS, AS REQUIRED
9. FOR SIZE AND LOCATION OF ALL OPENINGS, CURBS, PADS, DEPRESSIONS AND SLOPES, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE ALL OPENINGS PRIOR TO SHOP DRAWING SUBMITTALS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL TEMPORARY SHORING AND BRACING, AND TEMPORARY EARTH RETENTION SYSTEMS, AS REQUIRED, TO PREVENT DAMAGE TO PERSONS OR PROPERTY.
11. INDICATES AREAS THAT MAY REQUIRE UNDERPINNING. CONTRACTOR TO VERIFY IN THE FIELD. ALL UNDERPINNING SHALL BE BY THE CONTRACTOR. UNDERPINNING SEQUENCING AND DESIGNS SHALL BE DESIGNED BY AN ENGINEER LICENSED IN MASSACHUSETTS (CONTRACTED THROUGH THE CONTRACTOR) AND SUBMITTED FOR REVIEW. BIDS SHALL INCLUDE A LINE ITEM FOR THE WORK THAT CAN BE DELETED IF UNDERPINNING IS NOT NEEDED.
12. PROVIDE 12"x12" PIERS REINFORCED WITH 4-#6 VERTICALS AND #3 TIES @ 12" O.C. (ALL GALVANIZED) OVER A 2'-0"x2'-0"x12" DEEP FOOTING REINFORCED WITH 4-#5 (EA. WAY, BOTTOM). TOP OF PIERS SHALL BE A MINIMUM OF 8" ABOVE FINAL GRADE. SEE NOTE #6 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND TOP OF PIER ELEVATIONS WITH ARCHITECTURAL DRAWINGS, MEP DRAWINGS, AND THE EXISTING DUNNAGE LAYOUT.
13. EXISTING DUNNAGE SUPPORTING EXISTING ACCU-1 (MAX WEIGHT = 14,700 LBS), CONTRACTOR TO FIELD VERIFY EXISTING DUNNAGE SUPPORT LOCATIONS. CONNECTIONS BETWEEN THE NEW PIERS (SEE NOTE #12) AND THE EXISTING DUNNAGE SHALL MATCH EXISTING CONNECTIONS.



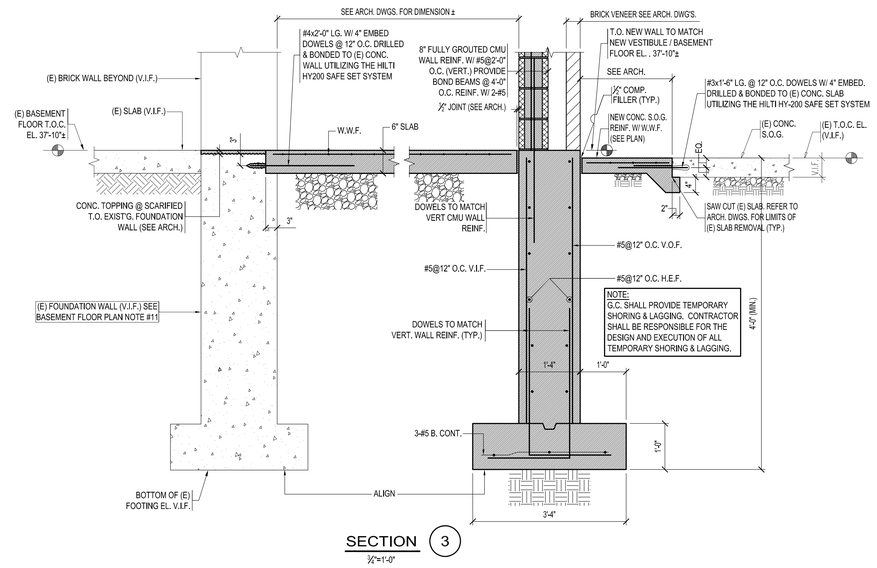
SECTION 1

1/4"=1'-0"



SECTION 2

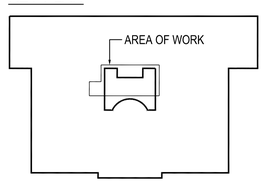
1/4"=1'-0"



SECTION 3

1/4"=1'-0"

KEY PLAN



NORTH ARROW

CONSULTANTS

STP
SOUZA, TRUE AND PARTNERS, INC.
STRUCTURAL ENGINEERS
265 Winter Street, Third Floor,
Waltham, MA 02451
Tel: 617-926-6100

REVISIONS

PROJECT PHASE

BIDSET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

BASEMENT PLAN AND SECTIONS AT NEW ELEVATOR

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

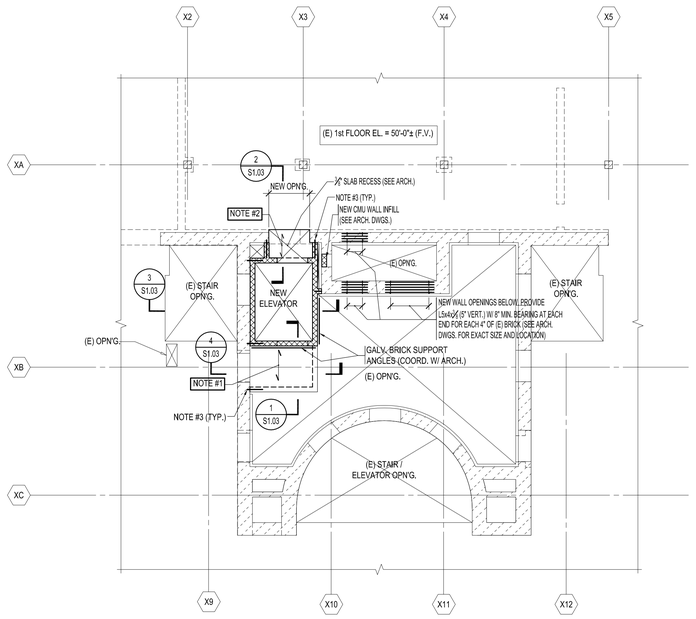
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	CAD
CHECKED	TPB
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

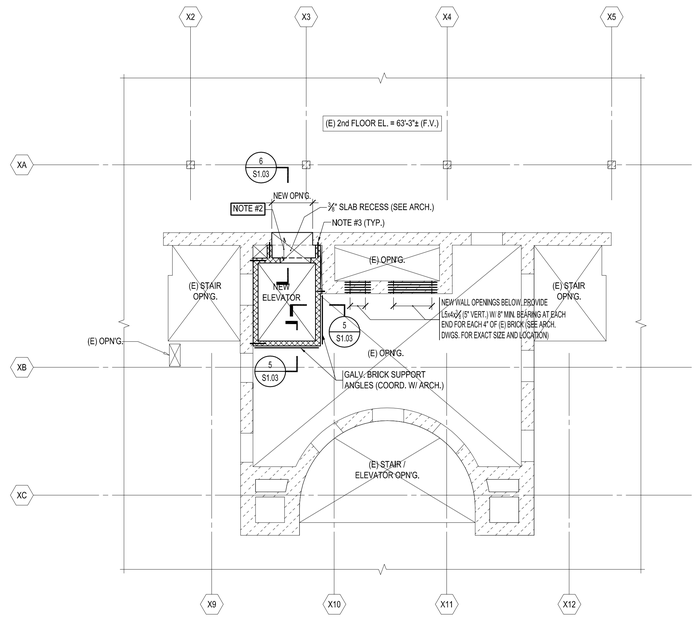
S1.01

H:\2016\16136 New Bedford City Hall\16136_S1.01, S1.02, S1.03.dwg



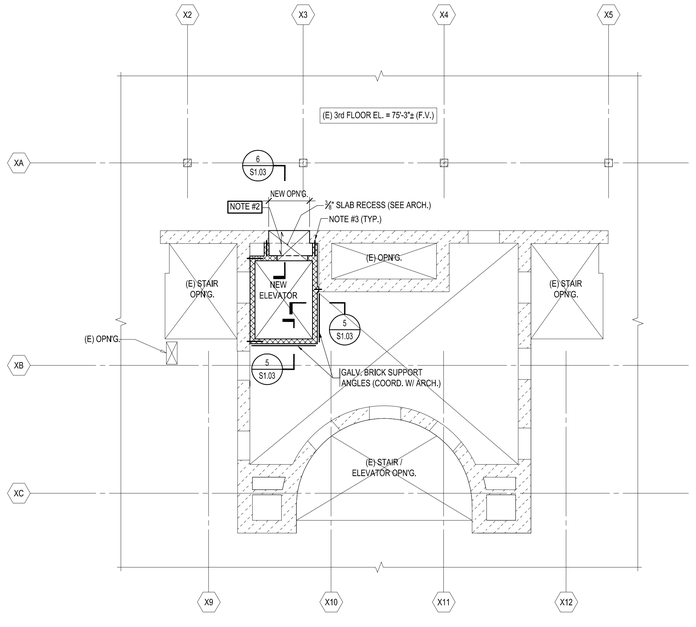
FIRST FLOOR FRAMING FLOOR PLAN

⅛"=1'-0"



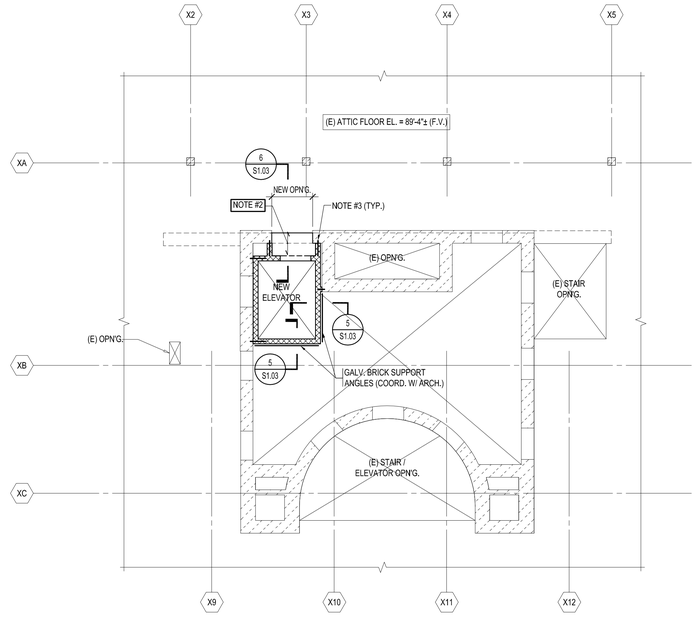
SECOND FLOOR FRAMING FLOOR PLAN

⅛"=1'-0"



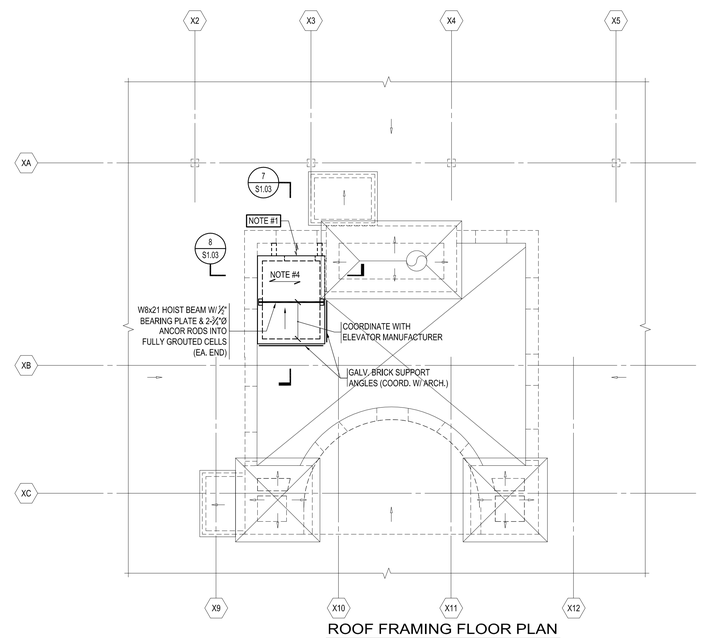
THIRD FLOOR FRAMING FLOOR PLAN

⅛"=1'-0"



ATTIC FLOOR FRAMING FLOOR PLAN

⅛"=1'-0"



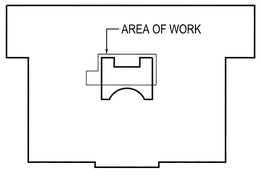
ROOF FRAMING FLOOR PLAN

⅛"=1'-0"

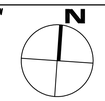
FLOOR & ROOF FRAMING NOTES:

1. ⟷ INDICATES SPAN DIRECTION OF 3"-18 GA. GALVANIZED WIDE RIB ROOF DECK.
2. ⟷ INDICATES SPAN DIRECTION OF 1"-18 GA. GALVANIZED FORM DECK. SUPPORTING 4000 PSI MIN. CONCRETE SLAB. SLAB THICKNESS SHALL BE VERIFIED IN FIELD TO BE 5" (MIN.) AND 10" (MAX.), MATCH COURSING. REINF. SLAB W/ 6"x6"-W4.0xW4.0 W.W.F. LOCATED 1" BELOW TOP OF THE SLAB.
3. PROVIDE #4x2'-0" LG. W/ 4" EMBEDDED DOWELS DRILLED & BONDED TO (E) MASONRY WALLS @ 4'-0" O.C. UTILIZING THE HILTI HY70 INJECTION ADHESIVE SYSTEM.
4. ⟷ INDICATES SPAN DIRECTION OF 3"-16 GA. GALVANIZED COMPOSITE FLOOR DECK W/ 4½", 4000 PSI N.W. CONCRETE (7½" TOTAL THICKNESS) REINF. W/ 6x6-W4.0xW4.0 W.W.F. LOCATED 1" FROM TOP OF SLAB.
5. COORDINATE ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS, MEP DRAWINGS, AND/OR THE ELEVATOR MANUFACTURER. ELEVATIONS AND DIMENSIONS THAT MUST BE FIELD VERIFY SHALL BE COMPLETED PRIOR TO SUBMISSION OF SHOP DRAWINGS. SHOP DRAWINGS THAT DO NOT INCLUDE COORDINATED ELEVATIONS AND DIMENSIONS WILL BE REQUIRED TO BE RESUBMITTED.
6. REFER TO DRAWINGS S0.01 FOR GENERAL NOTES AND TYPICAL DETAILS.
7. COORDINATE ROOF OPENING SIZES AND LOCATIONS WITH EQUIPMENT MANUFACTURER AND MEP DRAWINGS. SEE TYPICAL DETAILS FOR FRAMING REQUIREMENTS.
8. THE CONTRACTOR SHALL COORDINATE ALL SLOTS, INSERTS, DOWELS, SLEEVES, PADS, ETC., AND ALL ANCHORS PRIOR TO PLACING CONCRETE.

KEY PLAN



NORTH ARROW



CONSULTANTS

STP
SOUZA, TRUE
AND PARTNERS, INC.
STRUCTURAL
ENGINEERS
265 Winter Street, Third Floor,
Waltham, MA 02451
Tel: 617-926-6100

REVISIONS

PROJECT PHASE

BIDSET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

FIRST, SECOND, THIRD, ATTIC FLOOR FRAMING PLANS & ROOF FRAMING PLAN AT NEW ELEVATOR

MVG
MOUNT VERNON GROUP
ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

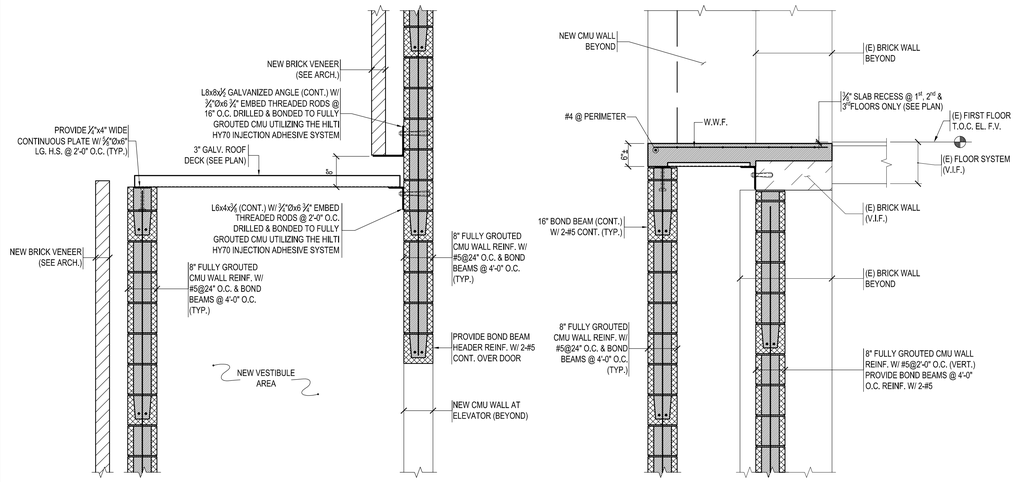
DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	CAD
CHECKED	TPB
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

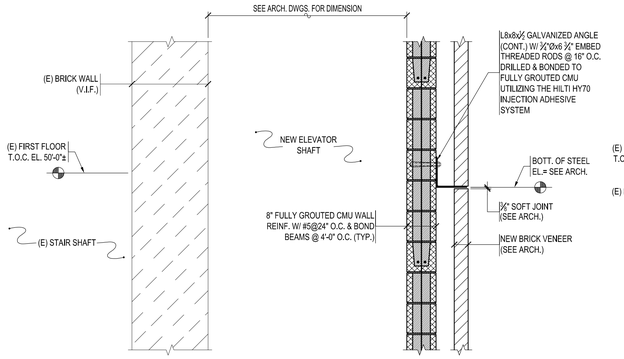
S1.02

R:\02014.58 New Bedford City Hall\Revit\58_S1.01_S1.02_S1.03.dwg

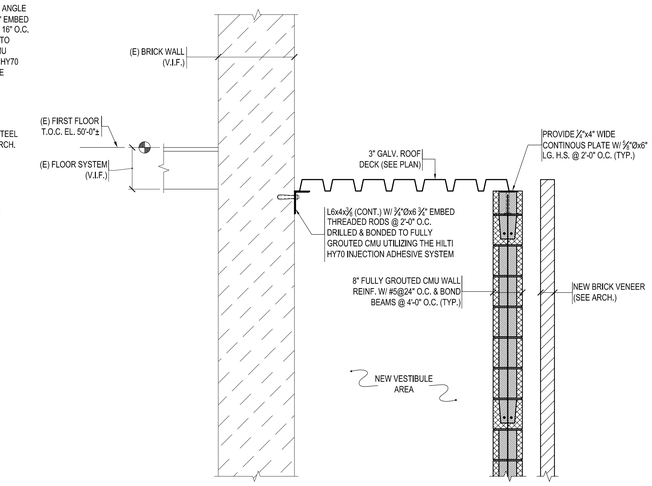


SECTION 1
½"=1'-0"

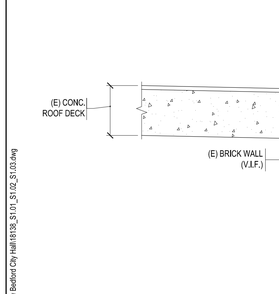
SECTION 2
½"=1'-0"



SECTION 3
½"=1'-0"



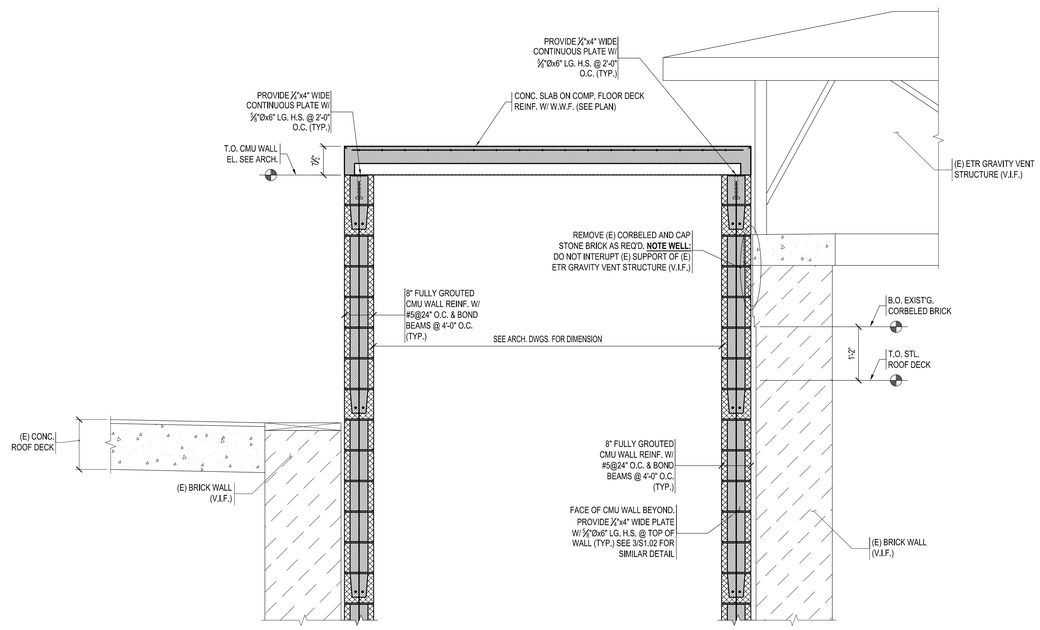
SECTION 4
½"=1'-0"



SECTION 5
½"=1'-0"

SECTION 6
½"=1'-0"

SECTION 7
½"=1'-0"



SECTION 8
½"=1'-0"

H:\2016\1818138 New Bedford City Hall\18138_S1.01_S1.02_S1.03.dwg

CONSULTANTS

STP&
SOUZA, TRUE AND PARTNERS, INC.
STRUCTURAL ENGINEERS
265 Winter Street, Third Floor,
Waltham, MA 02451
Tel: 617-926-6100

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
SECTIONS

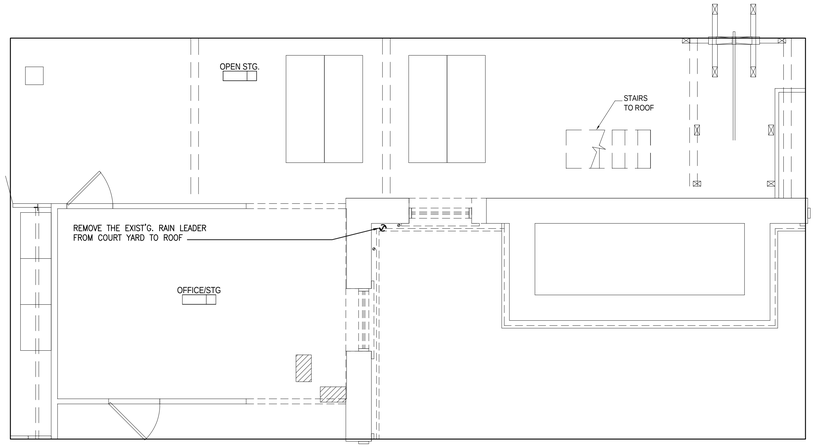
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION

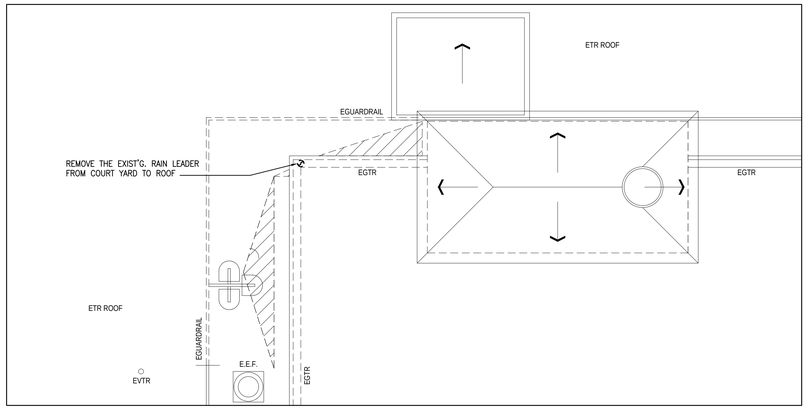
SCALE	AS NOTED
DRAWN BY	CAD
CHECKED	TPB
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
S1.03



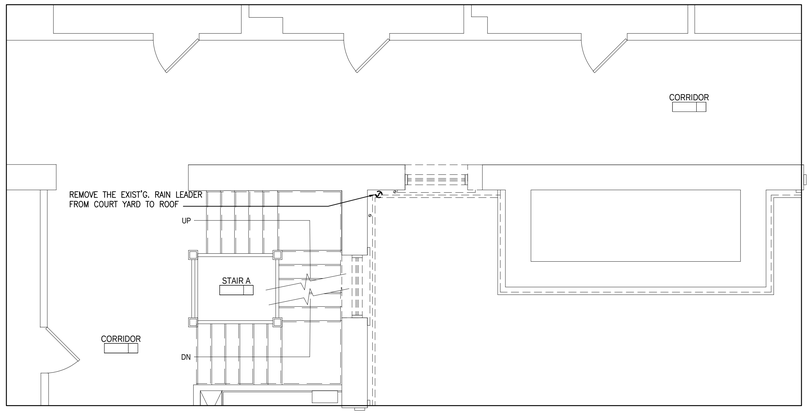
PLUMBING PART ATTIC FLOOR DEMOLITION PLAN

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



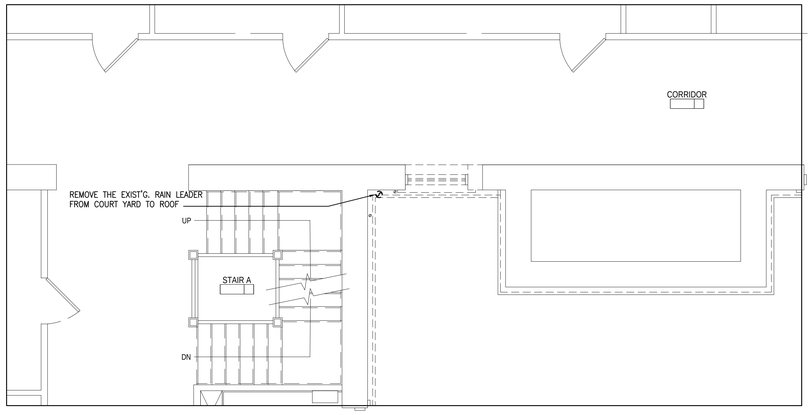
PLUMBING PART ROOF DEMOLITION PLAN

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



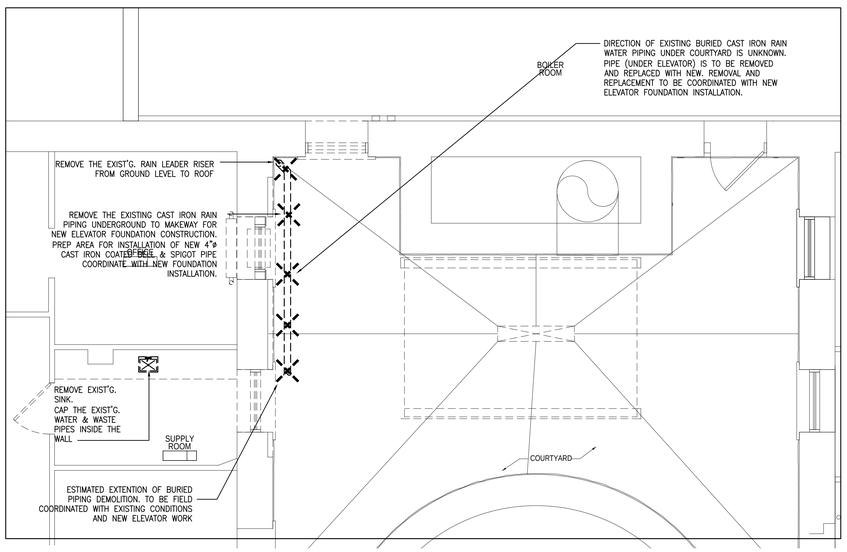
PLUMBING PART SECOND FLOOR DEMOLITION PLAN

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



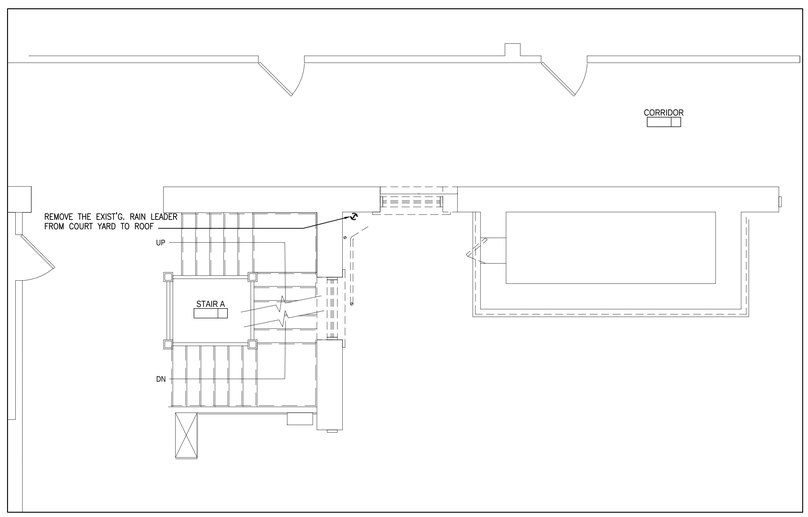
PLUMBING PART THIRD FLOOR DEMOLITION PLAN

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



PLUMBING PART BASEMENT FLOOR/COURTYARD DEMOLITION PLAN

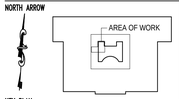
SCALE: 1/4" = 1'-0"



PLUMBING PART FIRST FLOOR DEMOLITION PLAN

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

NORTH ARROW



KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

PLUMBING PART PLANS EXISTING & DEMOLITION

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

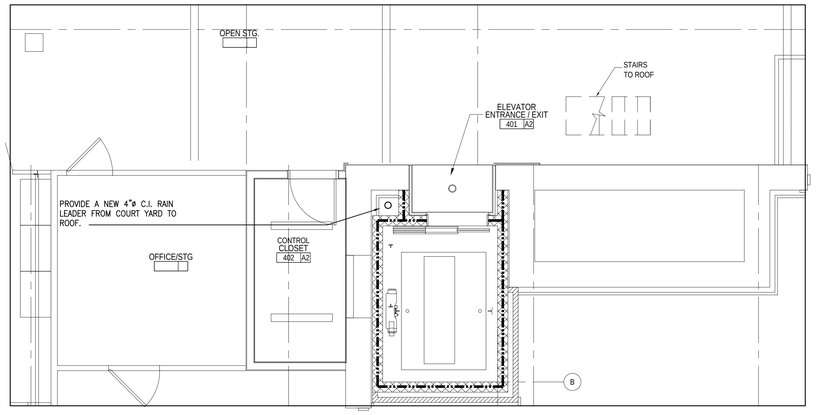
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T./S.H.
DATE	FEBRUARY 13, 2019

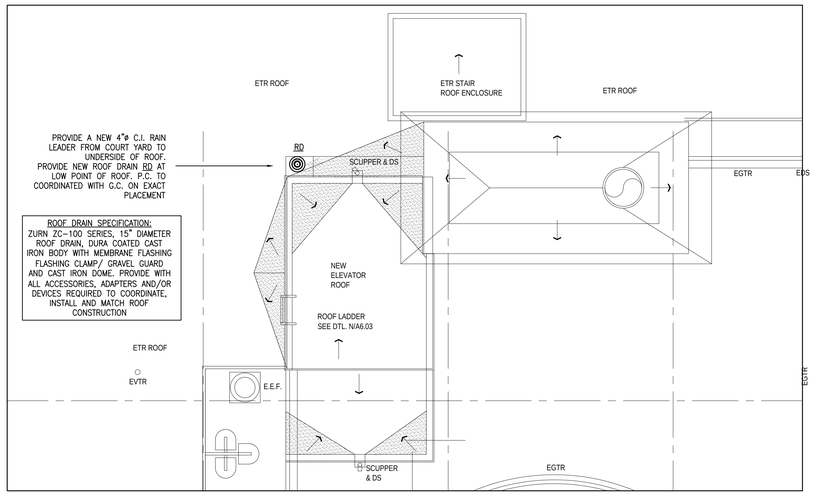
DRAWING NUMBER

PD1.01



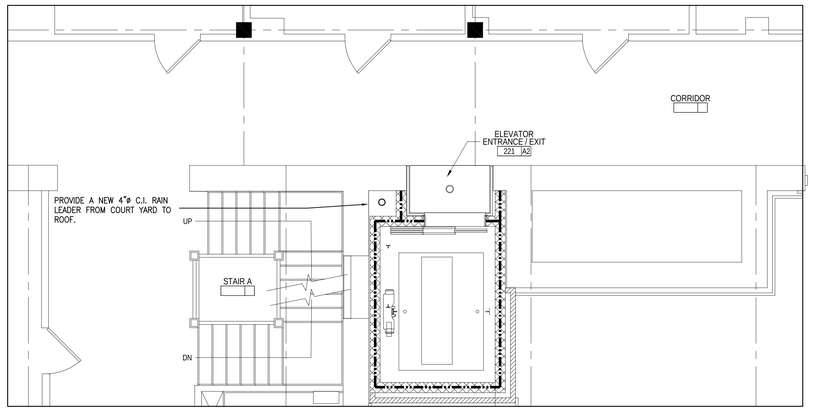
PLUMBING PART ATTIC FLOOR NEW WORK PLAN

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



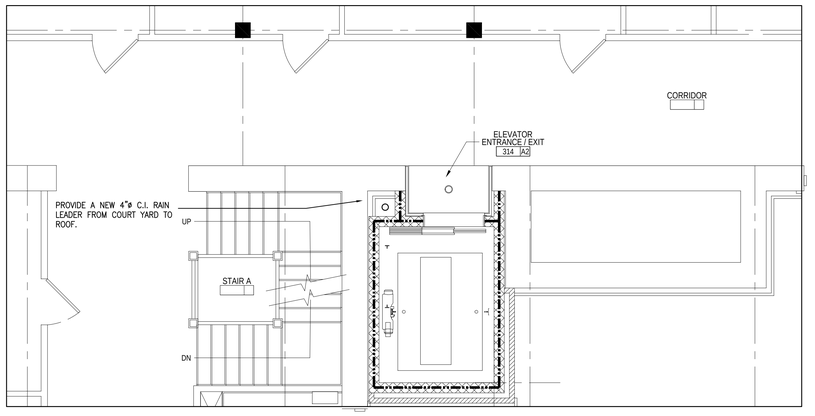
PLUMBING PART ROOF NEW WORK PLAN

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



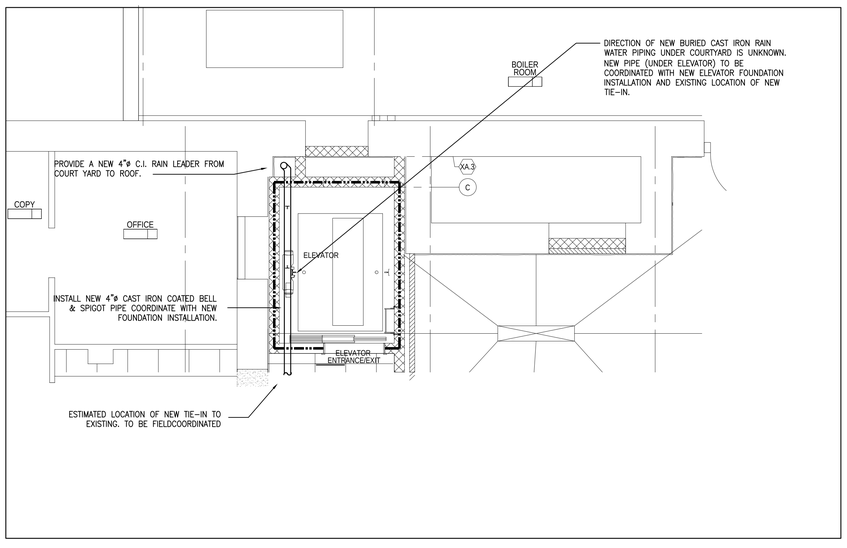
PLUMBING PART SECOND FLOOR NEW WORK PLAN

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



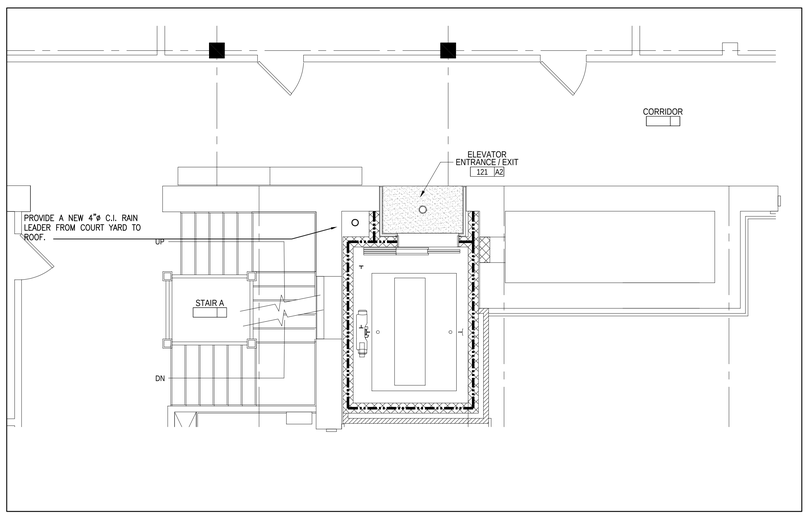
PLUMBING PART THIRD FLOOR NEW WORK PLAN

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



PLUMBING PART BASEMENT FLOOR/COURTYARD NEW WORK PLAN

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



PLUMBING PART FIRST FLOOR NEW WORK PLAN

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

NORTH ARROW

KEY PLAN — AREA OF WORK

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

PLUMBING PART PLANS EXISTING & NEW WORK

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

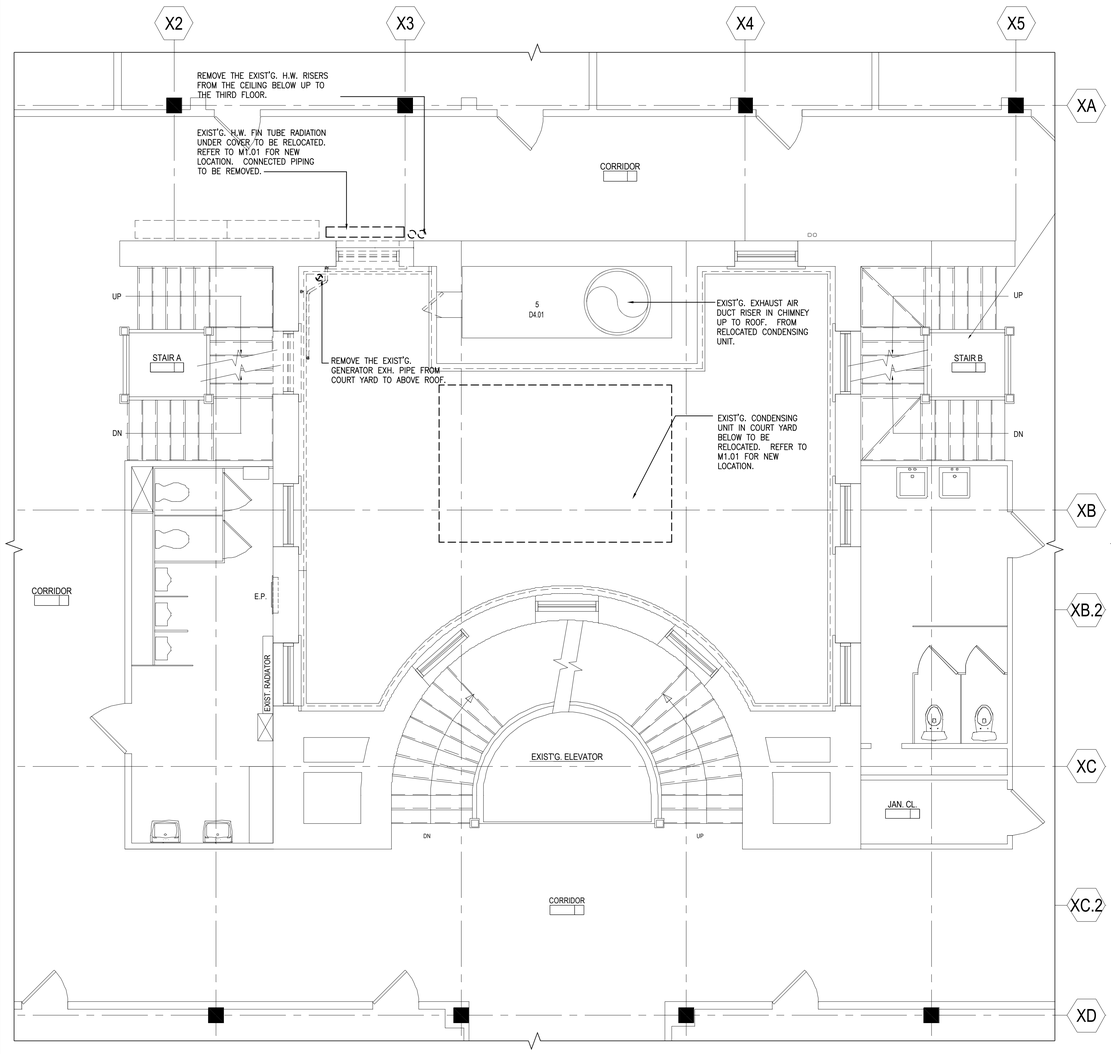
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T./S.H.
DATE	FEBRUARY 13, 2019

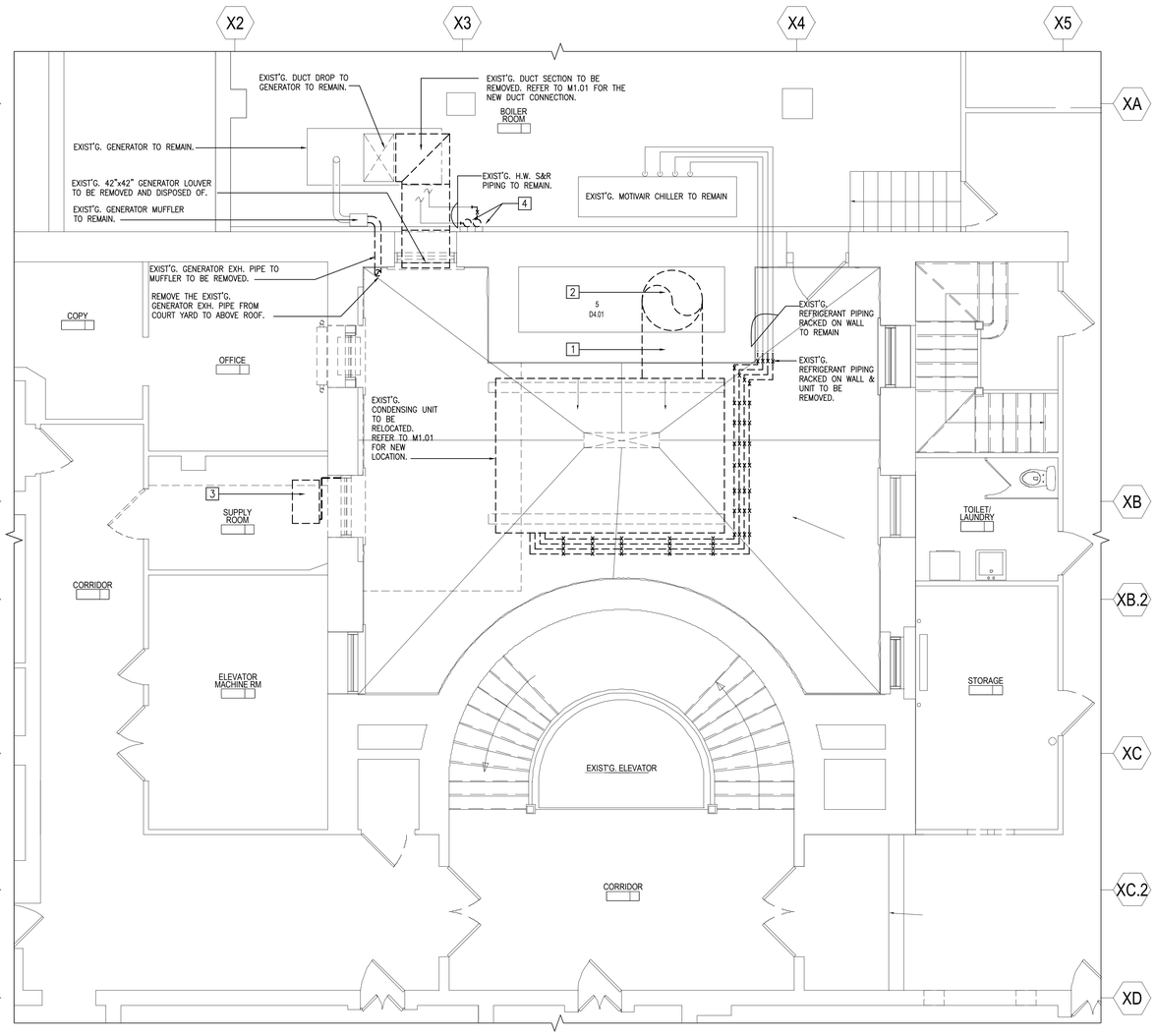
DRAWING NUMBER

P1.01



MECHANICAL FIRST FLOOR DEMOLITION PLAN

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



MECHANICAL BASEMENT FLOOR/COURTYARD DEMOLITION PLAN

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

DEMOLITION DRAWINGS GENERAL NOTES

1. THE ELECTRICAL SERVICE FOR THE EXISTING CONDENSING UNIT TO BE RELOCATED SHALL BE DISCONNECTED AND RECONNECTED BY THE ELECTRICAL SUB CONTRACTOR.

DEMOLITION DRAWINGS LEGEND

— ✱ — ✱—	PIPING TO BE REMOVED
H.W.	HOT WATER
S&R	SUPPLY & RETURN

DEMOLITION WORK DRAWINGS KEY NOTES

1. (MD1.01 COURT YARD) REMOVE THE EXISTING EXHAUST DUCT FROM THE CONNECTION AT THE EXISTING CONDENSING UNIT INTO TO THE CHIMNEY. THE EXISTING OPENING SHALL BE FILLED IN BY THE G.C.
2. (MD1.01 COURT YARD) REMOVE THE SECTION OF VERTICAL EXHAUST DUCT RISE WITHIN THE CHIMNEY TO 22 FT. ABOVE THE COURT YARD ELEVATION TO ALLOW FOR THE NEW DUCT CONNECTION AS SHOWN ON DWG. M1.01.
3. (MD1.01 EXISTING SUPPLY ROOM) REMOVE THE EXISTING HOT WATER HEAT / CHILLED WATER COOLING CEILING SUSPENDED UNIT IN ITS ENTIRETY INCLUDING THE WALL MTD. THERMOSTAT. SHUT OFF AND REMOVE THE EXISTING WATER PIPING AND IMMEDIATELY CAP THE EXISTING PIPES TO REMAIN DIRECTLY BELOW THE FLOOR ABOVE. THE REMOVED UNIT SHALL BE TURNED OVER TO THE CITY.
4. (MD1.01 BOILER ROOM) REMOVE THE EXISTING HOT WATER SUPPLY & RETURN RISERS SERVING THE EXISTING CORRIDOR HEATERS TO BE RELOCATED ABOVE. IN THIS ROOM, REMOVE THE PIPE TO THE FIRST ELBOW AND CAP FOR THE NEW RISER CONNECTIONS.

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL BASEM'T & FIRST FLOOR EXIST'G. & DEMO PLANS

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

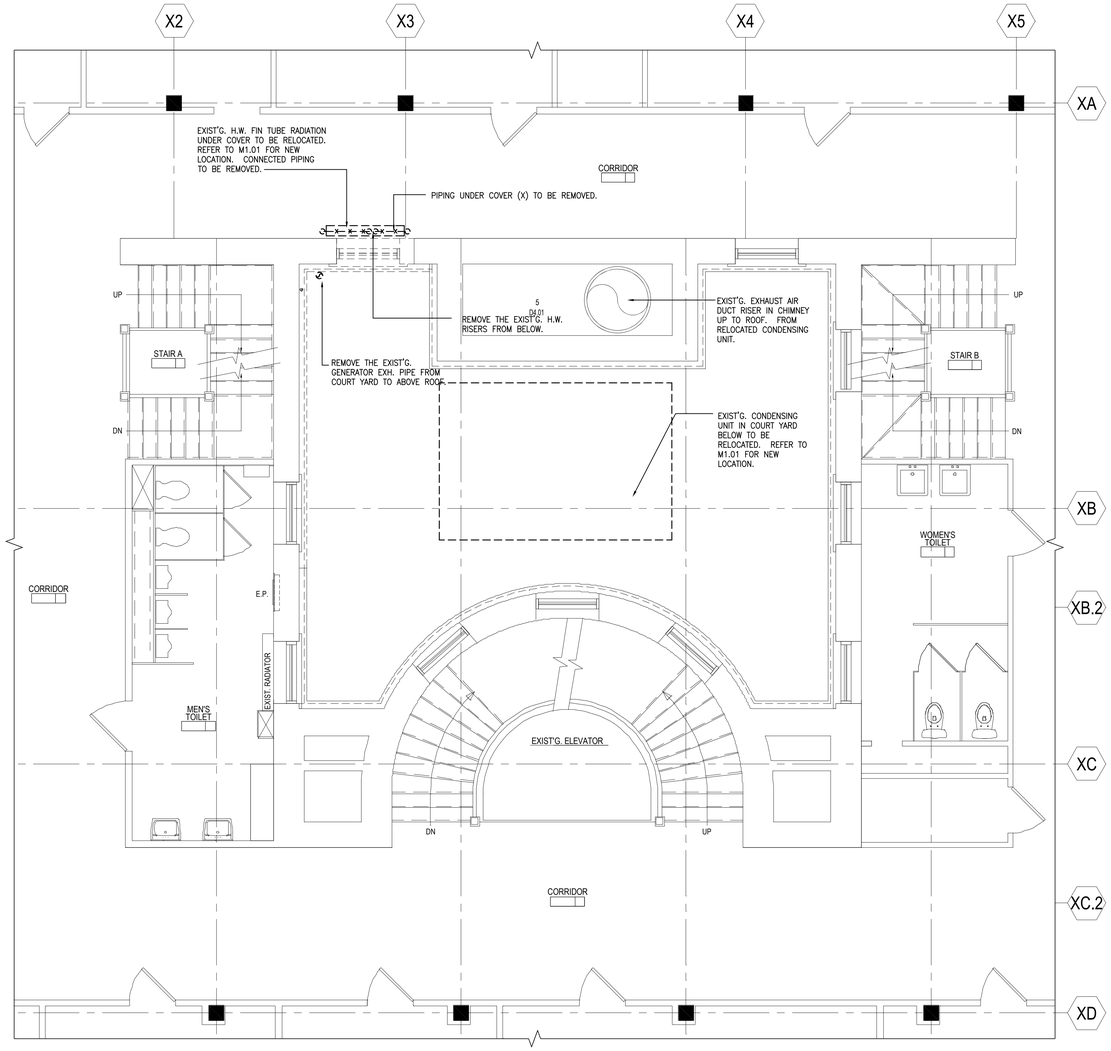
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

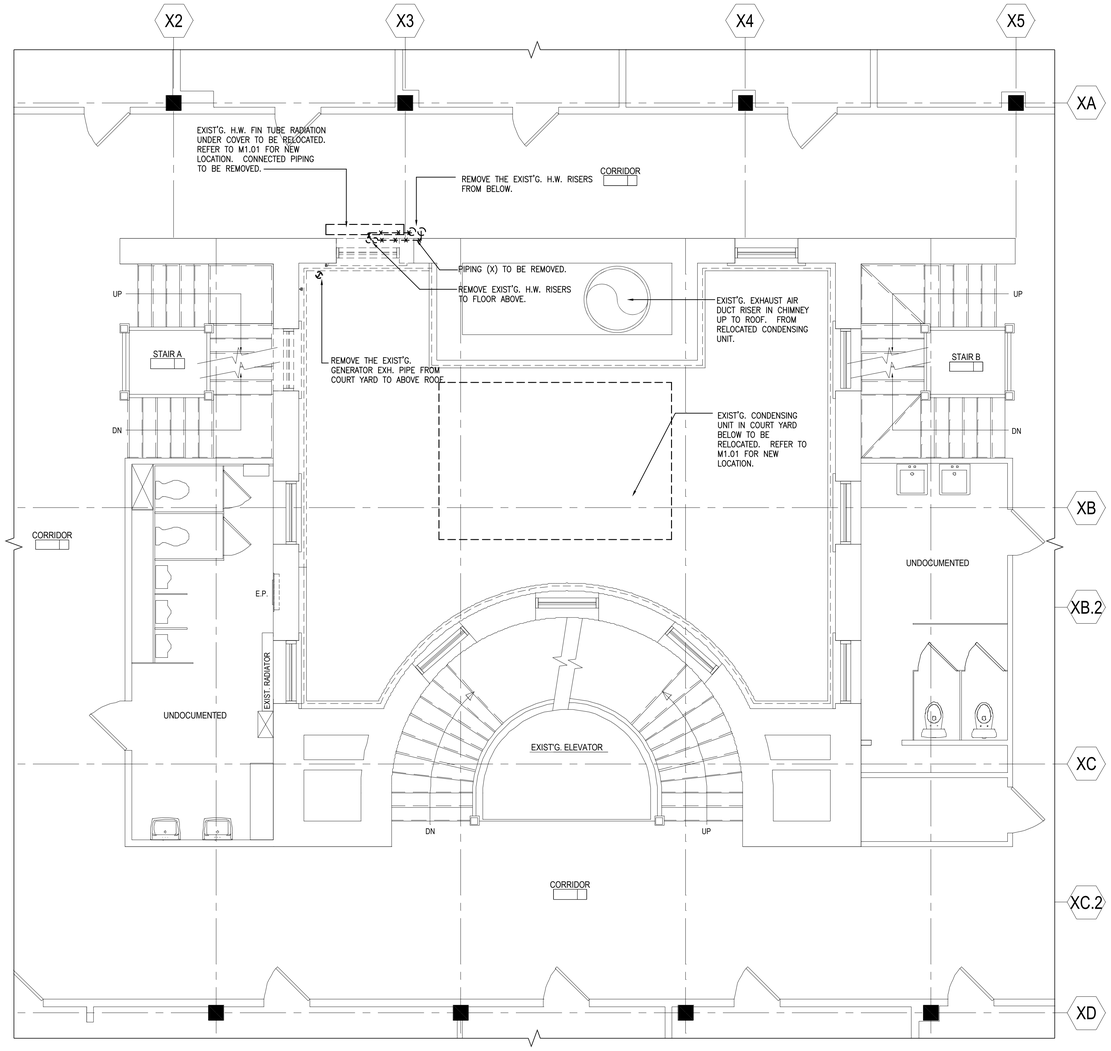
DRAWING NUMBER

MD1.01



MECHANICAL THIRD FLOOR DEMOLITION PLAN

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



MECHANICAL SECOND FLOOR DEMOLITION PLAN

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

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL SECOND & THIRD FLOOR EXIST'G. & DEMO PLANS

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

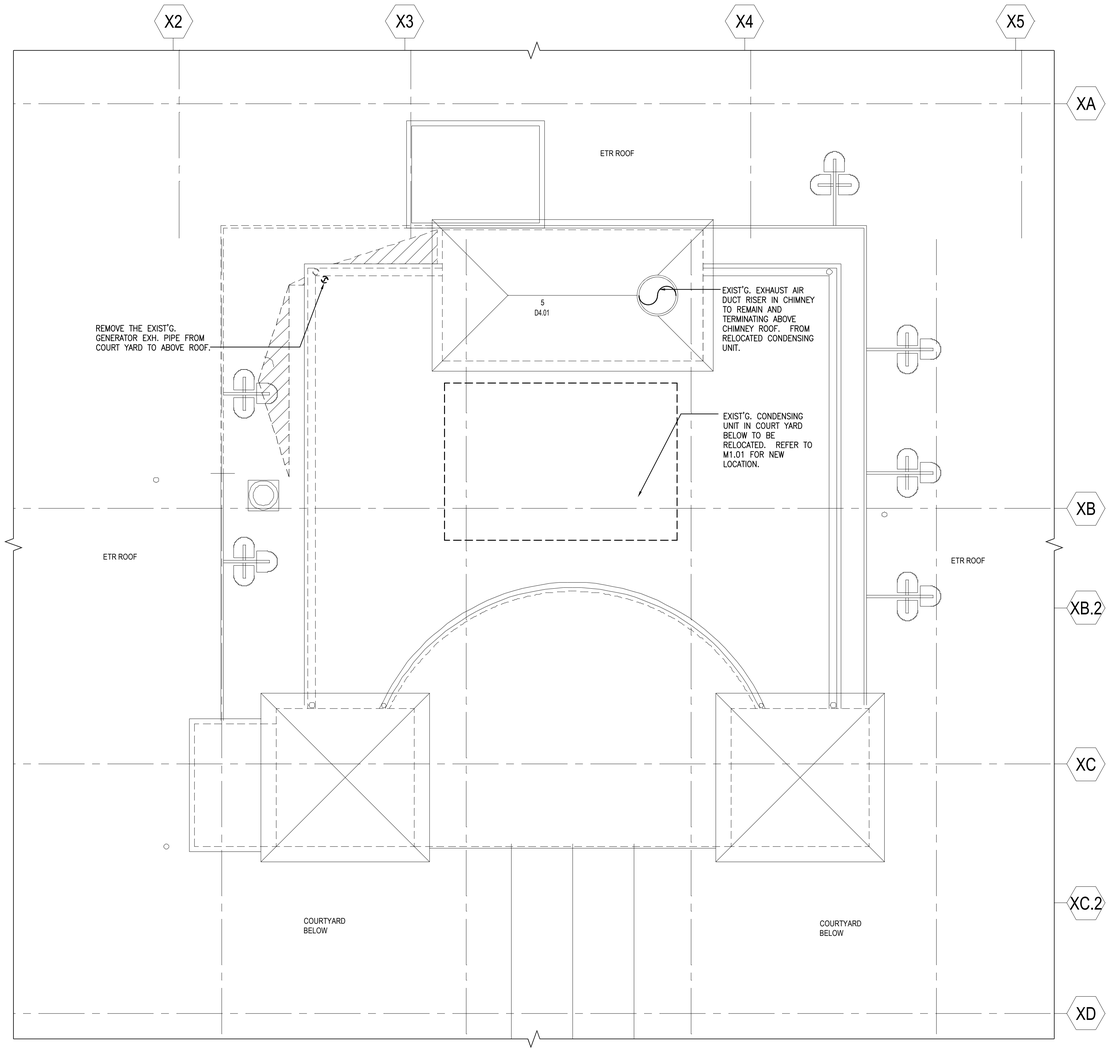
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

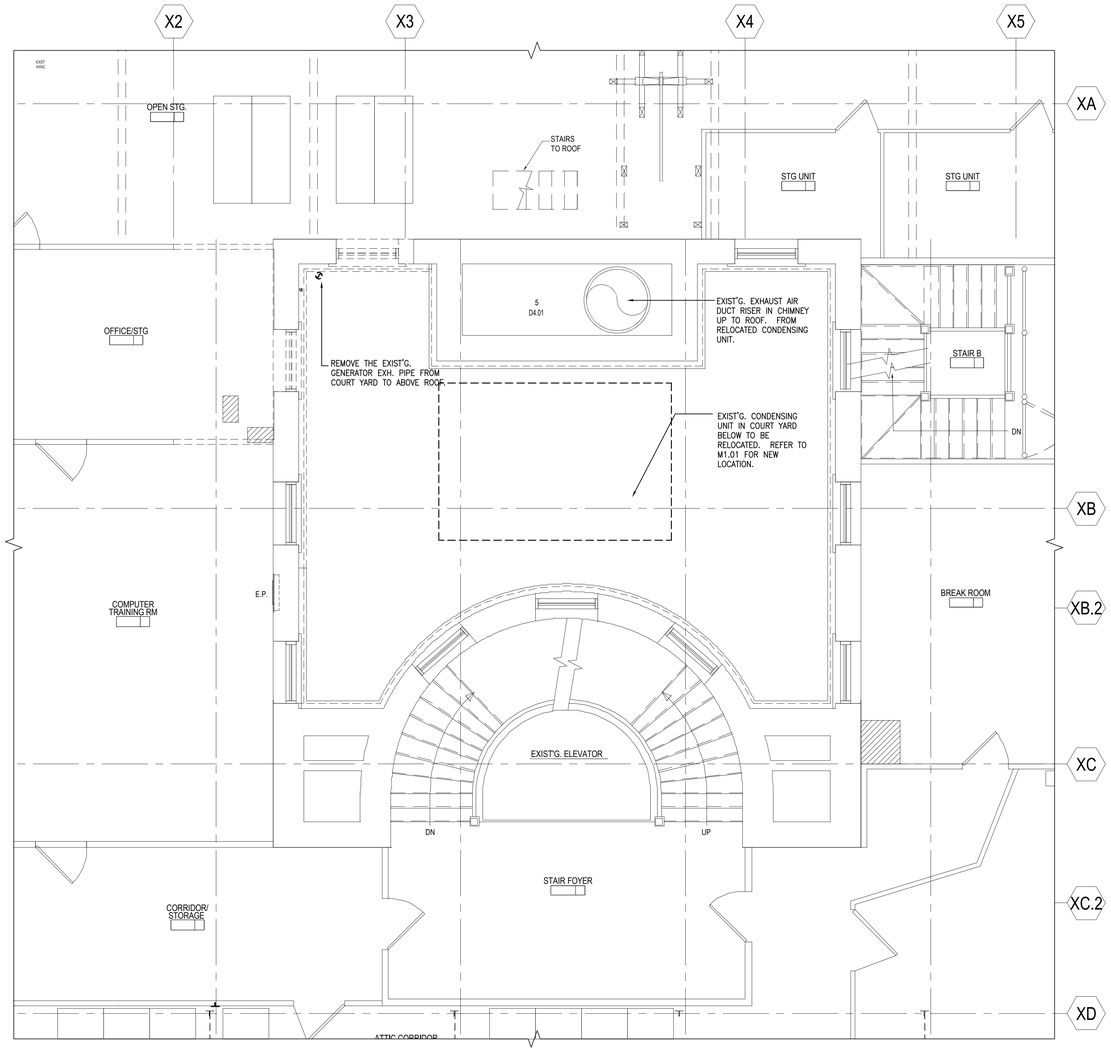
DRAWING NUMBER

MD1.02



MECHANICAL ROOF DEMOLITION PLAN

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



MECHANICAL ATTIC FLOOR DEMOLITION PLAN

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

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL ROOF & ATTIC FLOOR EXIST'G. & DEMO PLANS

MOUNT VERNON GROUP ARCHITECTS

47 North Second St
New Bedford, Massachusetts 02740

508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

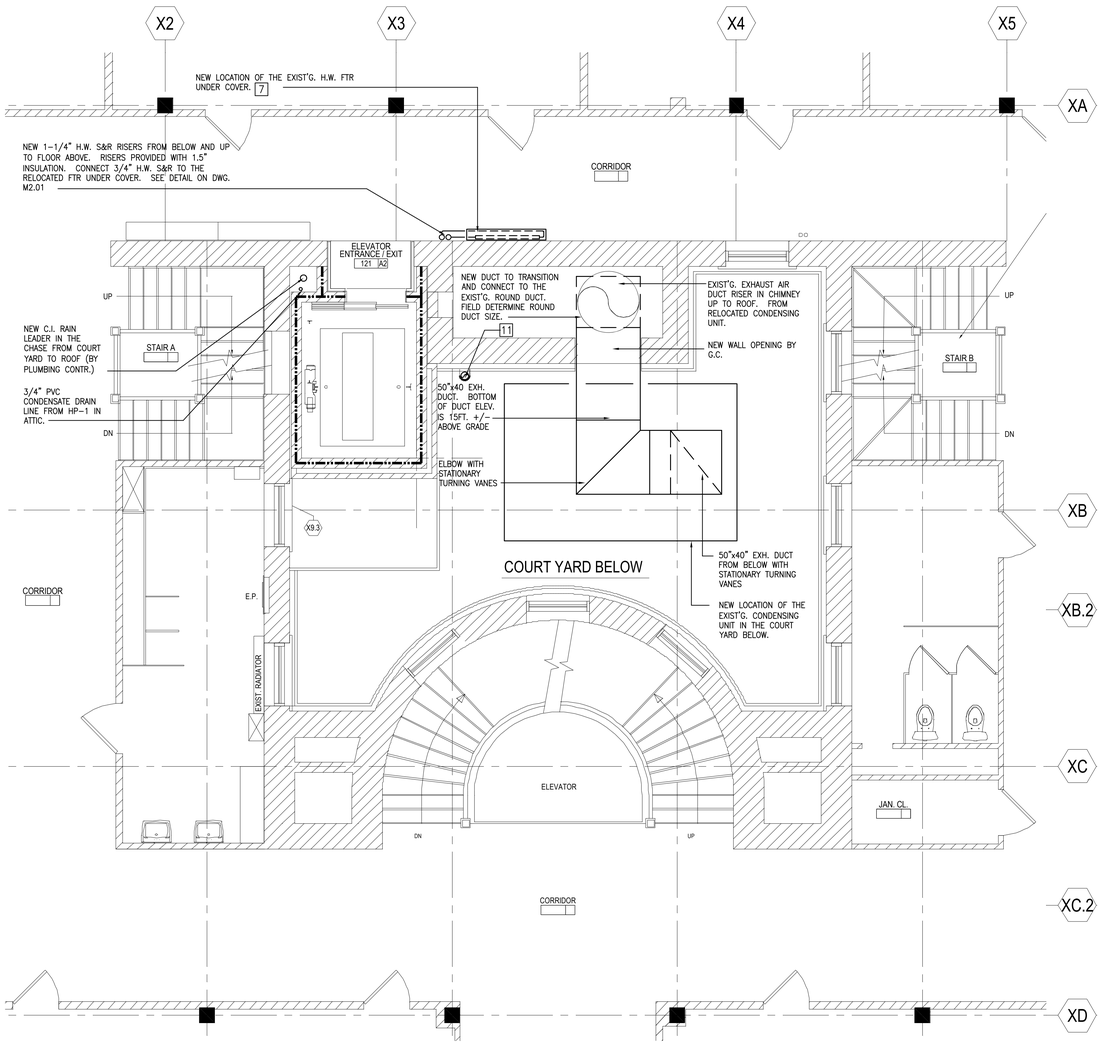
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

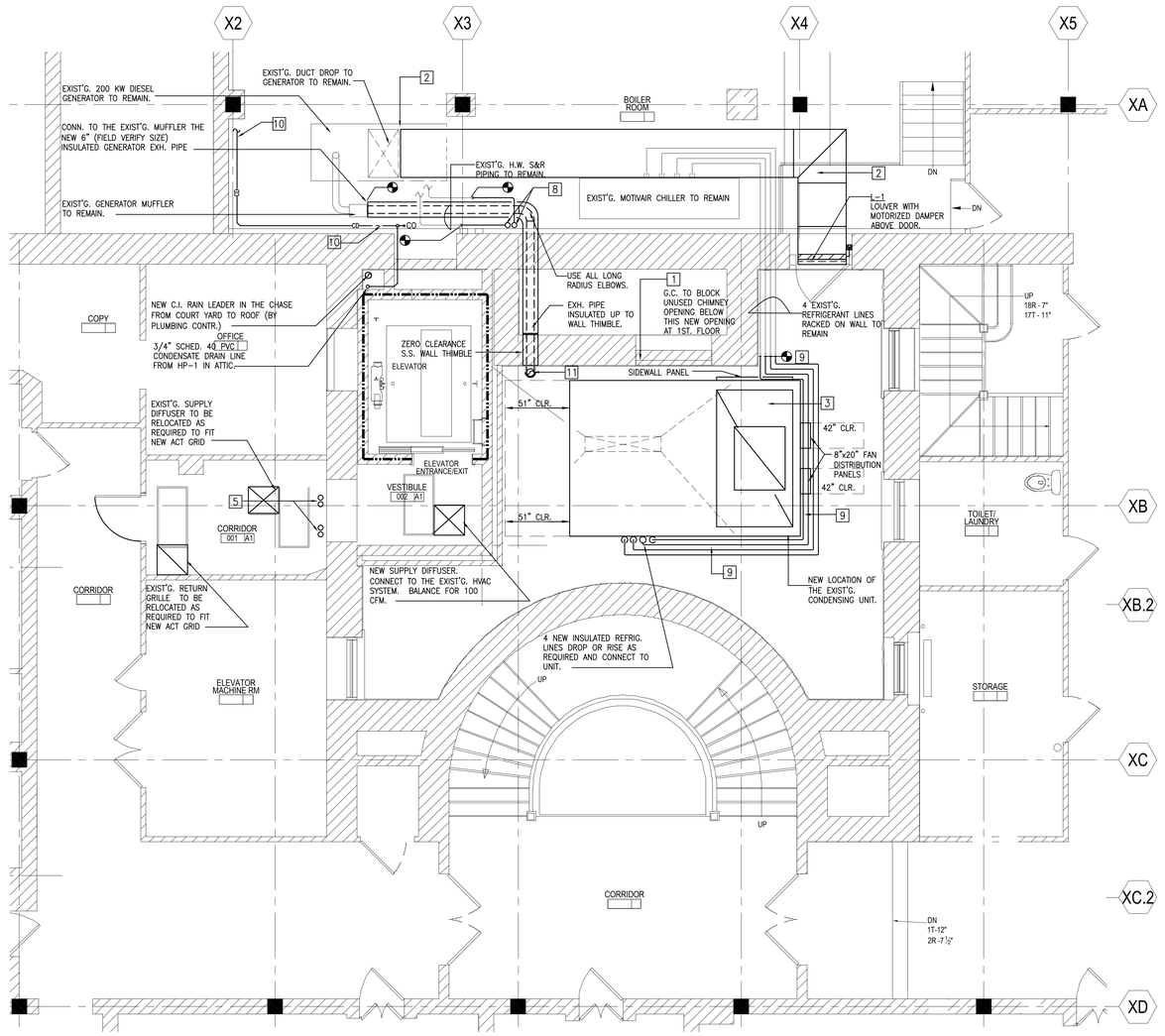
DRAWING NUMBER

MD1.03



MECHANICAL FIRST FLOOR PLAN

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



MECHANICAL BASEMENT FLOOR/COURTYARD PLAN

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

NEW WORK DRAWINGS GENERAL NOTES

1. THE ELECTRICAL SERVICE FOR THE EXISTING CONDENSING UNIT TO BE RELOCATED SHALL BE DISCONNECTED AND RECONNECTED BY THE ELECTRICAL SUB CONTRACTOR.

TRUMBULL CAMPBULL ASSOCIATES

THE AREA REPRESENTATIVE FOR THE THE EXISTING CLIMATECRAFT HIGH STATIC SPLIT SYSTEM CONDENSING UNIT PIPED TO THE EXISTING MOTIVAIRE CHILLER LOCATED IN THE BOILER ROOM IS:
TRUMBULL CAMPBELL ASSOCIATES
39 STATE STREET NEWBURYPORT, MA. 01950
OFFICE TEL: 978-225-2045
FAX: 978-225-2044
CONTACT: CRAIG CAMPBELL

1. THE MECHANICAL CONTRACTOR SHALL CARRY IN HIS BID PRICE: THE COST OF THE ROOF PANEL WITH DAMPER TO ALLOW OF THE NEW DUCT CONNECTION AND THE NEW SIDE WALL PANEL TO COVER THE EXISTING UNIT DUCT OPENING.

2. THE MECHANICAL CONTRACTOR SHALL CARRY IN HIS BID PRICE: ALL COSTS FOR THE SUPERVISED MOVEMENT OF THE EXISTING CONDENSING UNIT TO THE NEW LOCATION.

NEW WORK DRAWINGS LEGEND

T/C	TRUMBULL CAMPBELL ASSOCIATES
———	CONNECT NEW TO EXISTING
H.W.	HOT WATER
FTR	FIN TUBE RADIATION HEATING ELEMENT
S&R	SUPPLY & RETURN
L / S	LIQUID & SUCTION REFRIGERANT LINES ON ROOF
CD	HEAT PUMP CONDENSATE DRAIN LINE
CO	CONDENSATE DRAIN LINE CLEAN OUT
	120V DAMPER MOTOR
HP-1(I)	HEAT PUMP INDOOR UNIT
HP-1(O)	HEAT PUMP OUTDOOR UNIT
CP-1	AUTOMATIC CONDENSATE REMOVEL PUMP
L-1	WALL LOUVER

NEW WORK DRAWINGS KEY NOTES

1. (M1.01 COURT YARD) NEW WALL OPENING ABOVE THE EXISTING UNUSED AND BLOCKED WALL OPENING BY G.C.. THE NEW OPENING IS TO BE USED FOR THE NEW DUCT ENTERING THE CHIMNEY AT THE FIRST FLOOR.
2. (M1.01 BOILER RM.) CONNECT TO THE EXISTING GENERATOR DUCT, EXTEND AND CONNECT TO THE EXISTING LOUVER AT ITS NEW LOCATION. SIZE TO BE FIELD DETERMINED.
3. (M1.01 COURT YARD) 108"x60"+/- DUCT CONNECTION WITH EQUIPMENT MFR'S. ROOF PANEL WITH DAMPER. TRANSITION TO 50"x40"AND RISE TO FIRST FLOOR LEVEL.
4. (M1.03 CONTROL CLOSET) 12"x12" 10 GAUGE WELDED STEEL TRANSFER AIR DUCT FOR REMOVAL OF SMOKE AND HOT GAS FROM THE CONTROL CLOSET TO THE HOISTWAY, TOP OF DUCT DIRECTLY BELOW CEILING, PROVIDE BOTH ENDS WITH 5/8" WIRE MESH SCREEN. AN EXHAUST/VENTILATION FAN IN THE MACHINE ROOM IS NOT REQUIRED IF APPROVED BY THE ELEVATOR INSPECTOR.
5. (M1.01 BASEMENT CORRIDOR 001) AFTER REMOVAL OF THE EXISTING HOT WATER HEAT / CHILLED WATER COOLING CEILING SUSPENDED UNIT IN ITS ENTIRETY, CAP THE EXISTING PIPES TO REMAIN DIRECTLY BELOW THE FLOOR ABOVE.
6. (M1.03 ROOF) HEAT PUMP ATTACHED TO 18" HIGH STAND; STAND SECURED TO ROOF STRUCTURE. REFRIGERANT LINES ATTACHED TO PIPE SUPPORTS. LINES TO BE PROVIDED WITH AN ALUMINUM WEATHER PROOF JACKET. UNIT TO BE NO CLOSER THAN 10 FT. TO ANY ROOF EDGE.
7. (M1.01 & M1.02 1ST., 2ND. & 3RD. FLOOR CORRIDORS) REMOVE THE EXISTING FIN TUBE RADIATION COVERS. SEND OUT TO BE STRIPPED AND PAINTED, INSTALL AT THE NEW LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT. REFER TO THE DETAIL ON DWG. M2.01 AND PART 2 PRODUCTS SECTION OF THE HVAC SPECIFICATIONS.
8. (M1.01 BASEMENT BOILER ROOM) NEW 1-1/4" H.W. S&R RISERS UP TO FLOOR ABOVE. RISERS PROVIDED WITH 1.5" INSULATION.
9. (M1.01 COURT YARD) THE 4 NEW REFRIGERANT LINES MATERIAL, SIZE, INSULATION AND WEATHER PROOF COVERING PROCESS SHALL MATCH THE EXISTING. PIPES TO BE RACKED ON THE WALL AND CONDENSING UNIT.
10. (M1.01 BASEMENT BOILER ROOM) 3/4" I.D. PVC CONDENSATE DRAIN LINE ON FLOOR. PIPE TO BE SCHEDULE 80 FOR CRUSH PROTECTION. CARRY TO AND TERMINATE AT THE BOILER ROOM FLOOR DRAIN.
11. (M1.01 COURT YARD) 6"ø (VERIFY SIZE) SCHEDULE 40 GALVANIZED STEEL GENERATOR EXHAUST PIPE EXITS BUILDING APPROX. 70" ABOVE GRADE AND RISES UP TO ROOF. REFER TO THE GENERATOR EXHAUST STACK DETAIL ON DWG. M2.01. ATTACHED TO BUILDING WITH ALL WELDED PIPE CLAMPS AND WALL BRACKETS.
12. (M2.01 ELEVATOR EXTERIOR ELEVATION NORTH & WEST) THE NEW GENERATOR EXHAUST PIPE ATTACHED TO THE BRICK WALL WILL OFFSET AT THIS APPROXIMATE LOCATION AWAY FROM THE WALL DUE TO THE OVERHANG OF THE HIPPED ROOF AND THE BRICK CORBELING.

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL BASEM'T & FIRST FLOOR EXIST'G. & NEW WORK PLANS

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

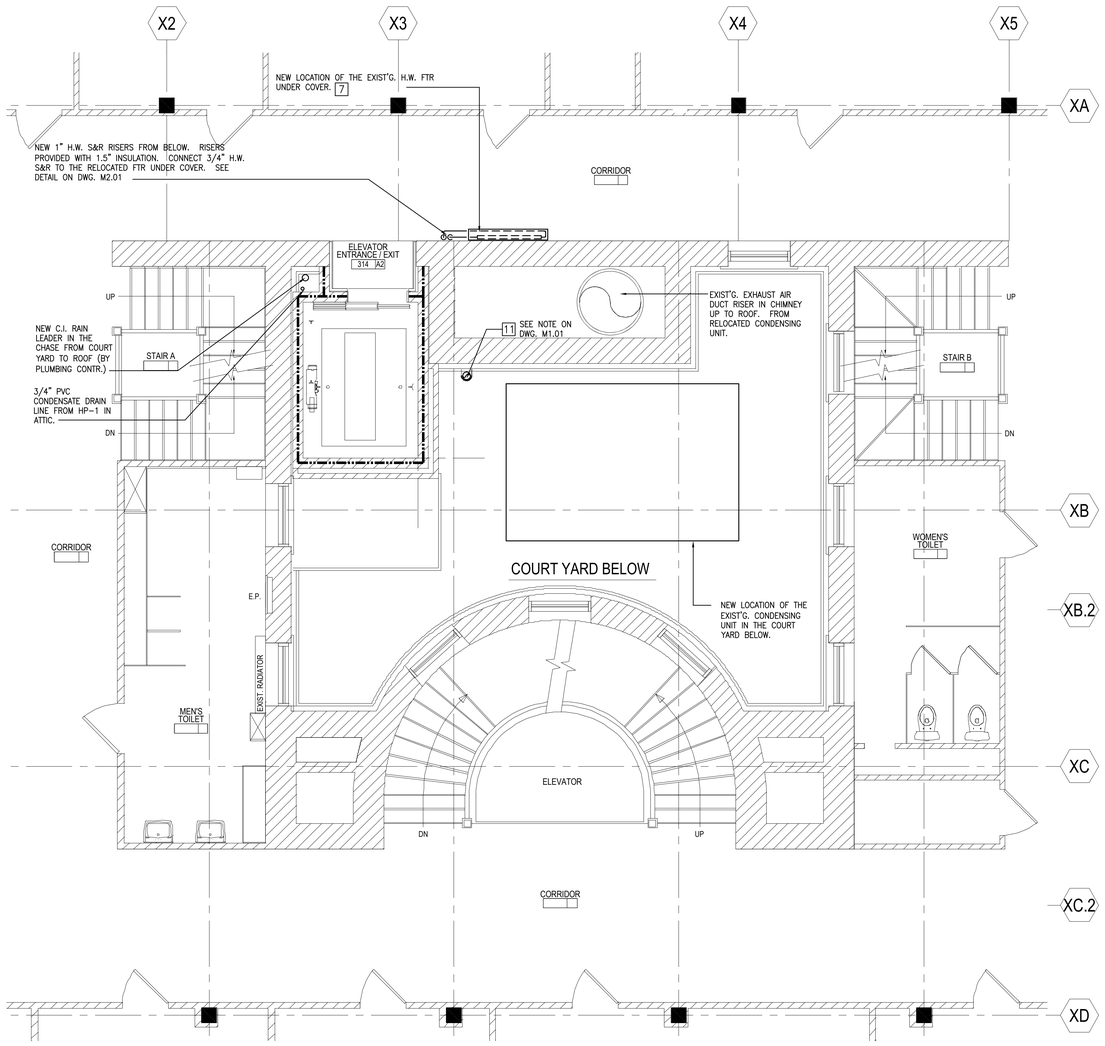
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

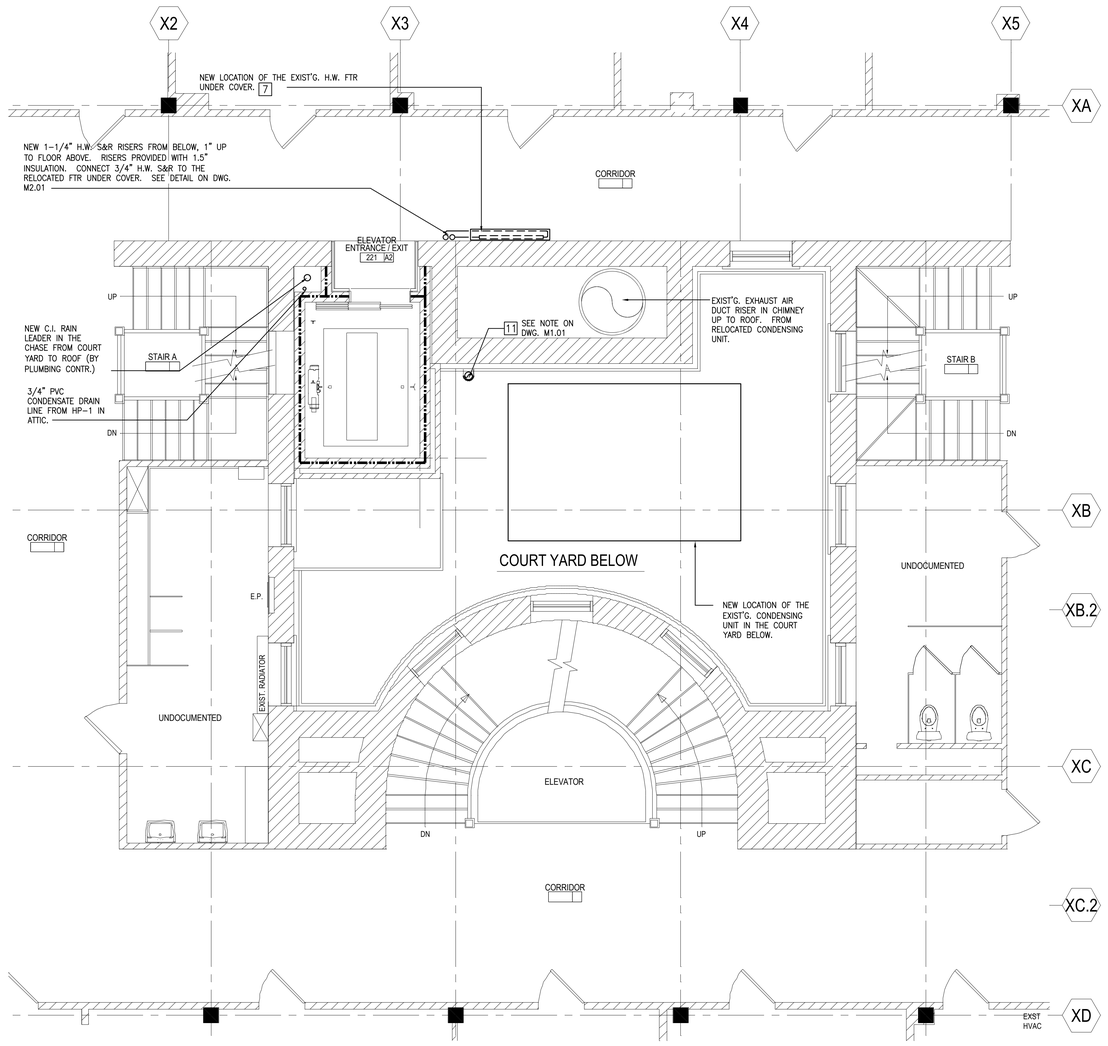
DRAWING NUMBER

M1.01



MECHANICAL THIRD FLOOR PLAN

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



MECHANICAL SECOND FLOOR PLAN

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

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL SECOND & THIRD FLOOR EXIST'G. & NEW WORK PLANS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

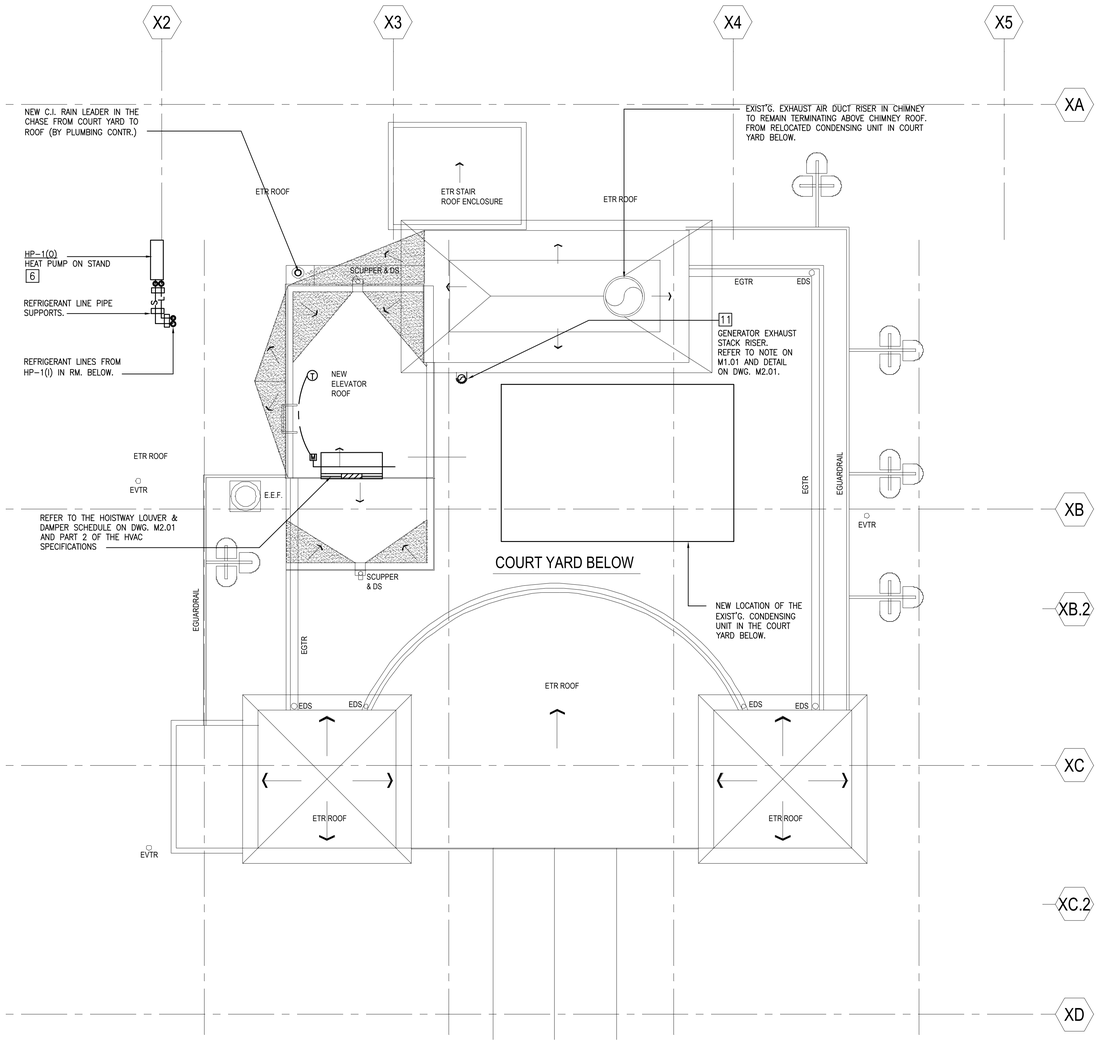
STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

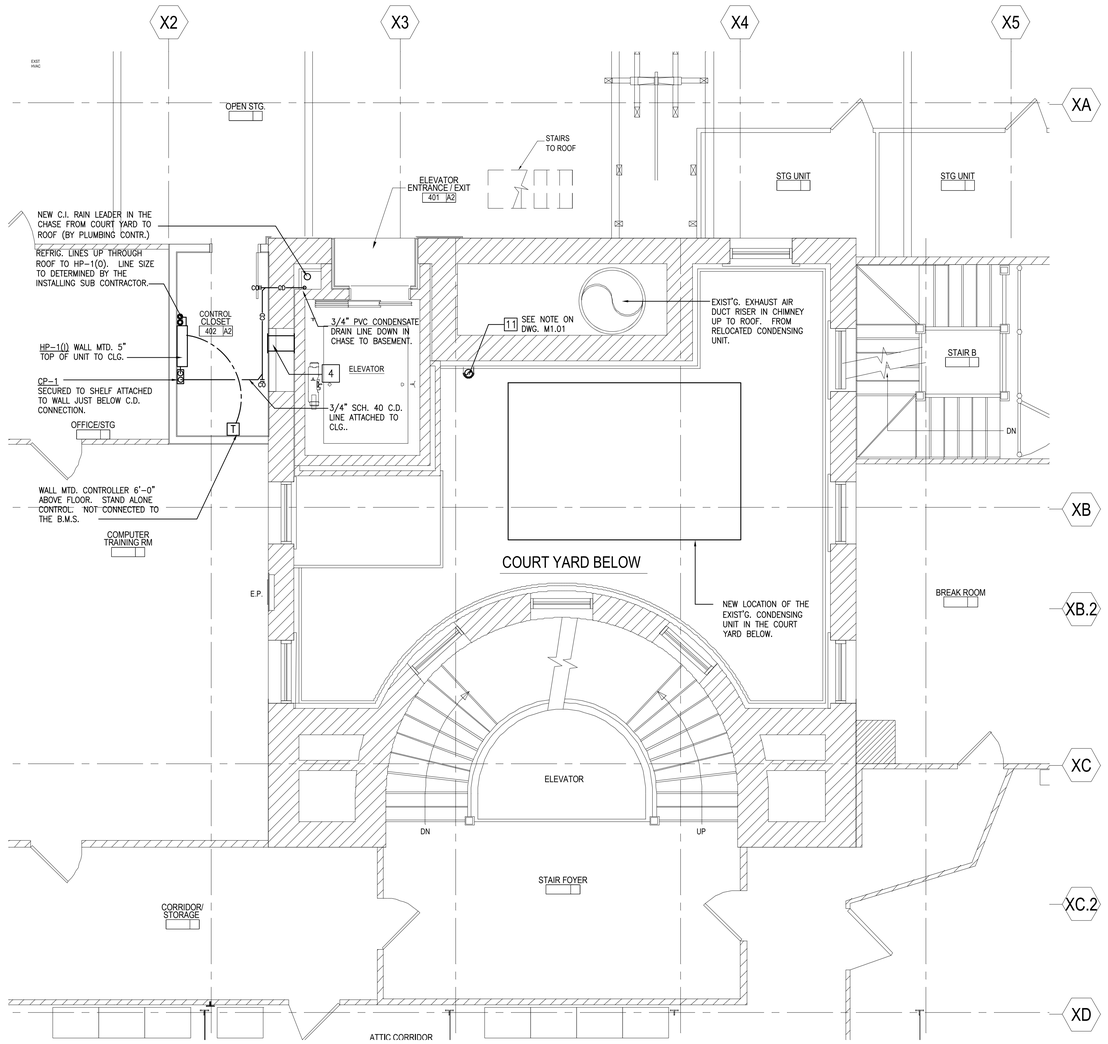
DRAWING NUMBER

M1.02



MECHANICAL ROOF PLAN

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



MECHANICAL ATTIC FLOOR PLAN

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

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL ATTIC & ROOF EXIST'G. & NEW WORK PLANS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION

SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

M1.03

SPLIT SYSTEM HEAT PUMP SCHEDULE

INDOOR UNIT	OUTDOOR UNIT	CONTROL	AREA SERVED	SUPPLY FAN DATA		COOLING CAPACITY		HEATING CAPACITY				SYSTEM ELECTRIC DATA					UNIT EFFICIENCY DATA			BASED ON			INDOOR UNIT STYLE	MAX. REFRIG. LINE LENGTHS & HEIGHT DIFFERENCE		DIMENSIONS & WEIGHT		SOUND DATA		NOTES
								@47°F WB		@5°F WB(MAX)		UNIT VOLTAGE			AMPS					MANUFACTURER	MODEL								
				CFM	SPD.	TMBH	SMBH	NOM TONS	TMBH	KW	TMBH	KW	V	P	Hz	MCOP	MCA	SEER	EER	HSPF		INDOOR	OUTDOOR		COMBINED UNIT LENGTH	HEIGHT DIFFERENCE	INDOOR UNITS	OUTDOOR UNITS	INDOOR UNIT	OUTDOOR UNIT	
HP-1(I)	HP-1(O)	STANDARD REMOTE CONTROLLER	ELEVATOR CONTROL CLOSET	295	HIGH	8.4	---	0.7	10.1	--	5.6	--	208	1	60	15	15	18	13.0	10.0	HAIER	HSU09VHG(DB)-G	HSU09VHB(DB)-W	WALL HUNG NON DUCTED	50 FT.	33 FT.	31.25"Wx7.375"Dx10.375"H 25 LBS.	31"Wx10"Dx21.25"H 75 LBS.	39 Db	53 Db	HIGH WALL UNIT CAPABLE OF COOLING DOWN TO 14°F OUTDOOR TEMP.

DESIGN TEMPERATURES
COOLING (INDOOR SUMMER) : 75°F D.B., 63.0°F W.B.
COOLING (OUTDOOR SUMMER) : 89°F D.B.
HEATING (INDOOR WINTER) : 70°F D.B.
HEATING (OUTDOOR WINTER) : 3°F W.B.

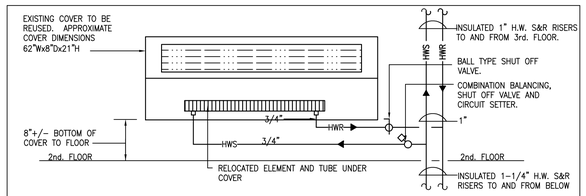
REMARKS
1. FURNISH AND INSTALL ALL NECESSARY FACTORY CONTROLS, INTERLOCKS WIRING AND SAFETY DEVICES.
2. ALL ELECTRICAL DISCONNECT SWITCHES SHALL BE FURNISHED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
3. ALL MOTOR STARTERS SHALL BE FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL.
4. REFRIGERANT SHALL BE R410A.
5. THE CONTRACTOR TO INSURE PROPER SPACING BETWEEN UNITS AND ANY SURROUNDING STRUCTURE AND PROVIDE SERVICE AND ACCESS CLEARANCES AS RECOMMENDED BY THE MANUFACTURER.
6. INDOOR UNIT ELECTRICAL SERVICE IS THROUGH THE OUTDOOR UNIT.
7. PIPING EXIST OPTIONS TO BE FIELD DETERMINED.
8. MOUNTING HEIGHT: 5" TOP OF UNIT TO CEILING (MFR. REQUIREMENT IS MORE THAN 4").
9. ALL OUTDOOR CONDENSING UNITS ARE TO BE FURNISHED WITH A 18" HIGH EQUIPMENT STAND AS MANUFACTURED BY BIG FOOT, EASY SLING OR EQUAL. HEAT PUMPS ARE TO BE MECHANICALLY FASTENED TO THE STANDS. THE STANDS MECHANICALLY FASTENED TO ROOF EQUIPMEN SUPPORTS.
10. CAP ANY UNUSED REFRIGERANT PORTS AT INDOOR AND OUTDOOR HEADS.
11. FOR BEST PERFORMANCE PROVIDE THE MINIMUM REFRIGERANT LINE LENGTHS AS POSSIBLE.

WARRANTY: 7 YEAR COMPRESSOR. 5 YEAR LIMITED PARTS.

ACCEPTABLE EQUIPMENT MANUFACTURERS: HAIER, MITSUBISHI, DAIKIN OR APPROVED EQUAL.

ACCESSORIES: PROVIDE FOR THE INDOOR UNIT A HAIER WIRED WALL MTD. CONTROLLER 6 FT. ABOVE THE FLOOR; AN 18" HIGH EQUIPMENT STAND FOR THE OUTDOOR UNIT.

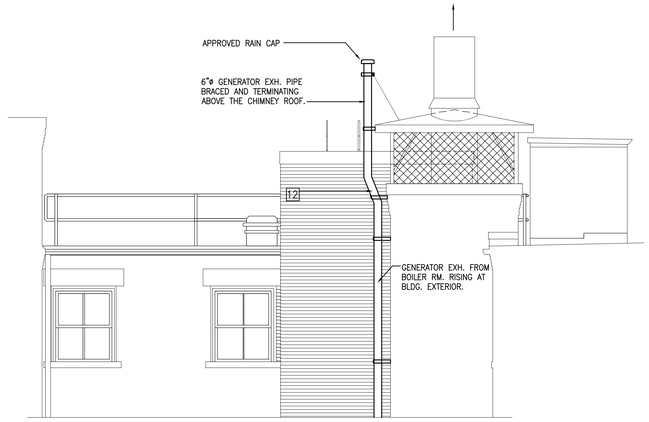
THE WALL MTD. WIRED CONTROLLER 6 FT. ABOVE THE FLOOR SHALL BE SET TO MAINTAIN THE ROOM TEMPERATURES AS FOLLOWS: (CODE REQUIREMENTS) NOT LESS THAN 50° F. NOT MORE THAN 90°F.



DETAIL – EXISTING FIN TUBE RADIATION TO BE RELOCATED

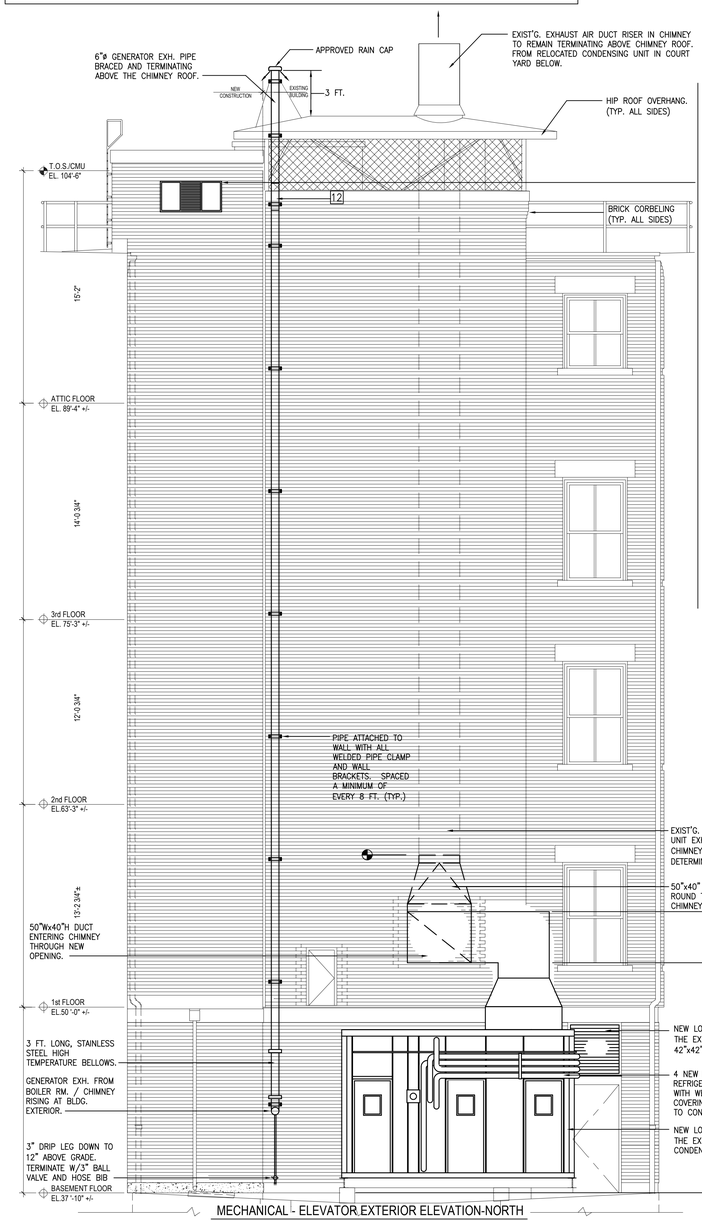
NOT TO SCALE

NOTES
1. DETAIL TYPICAL FOR 1st., 2nd., & 3rd. FLOORS. 2nd. FLOOR SHOWN HERE.
2. REFER TO HVAC SPECIFICATIONS, PART 2 PRODUCTS AND KEY NOTE #7 ON DWG. M1.01 FOR ADDITIONAL INFORMATION .
3. CLOSELY COORDINATE ALL WALL PENETRATIONS WITH THE GENERAL CONTRACTOR.
4. PROVIDE FIRE STOP AT ALL NEW PIPE PENETRATIONS THROUGH ANY EXISTING PARTITION, FLOOR OR WALL IN A MANNER TO MAINTAIN ANY EXISTING FIRE RATING. COORDINATE THESE LOCATIONS WITH THE GENERAL CONTRACTOR.



MECHANICAL - ELEVATOR EXTERIOR ELEVATION-WEST

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



MECHANICAL - ELEVATOR EXTERIOR ELEVATION-NORTH

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

NOTE: REFER TO THE GENERATOR EXHAUST STACK DETAIL FOR INFORMATION PERTAINING TO THE STAINLESS STEEL CAGE / HEAT SHIELD NOT SHOWN HERE.

HOISTWAY LOUVER & DAMPER SCHEDULE

48L"x24"Hx4"D (1/3 LOUVER, 2/3 GLASS: LOUVER IN CENTER, EQUAL SINGLE PANE BREAKABLE GLASS PORTIONS EITHER SIDE) STORM PROOF LOUVER WITH A MINIMUM OF 3 SQ. FT. FREE AREA MOUNTED NOT MORE THAN 2'-0" BELOW THE TOP OF THE HOIST WAY. (524 CMR SECT. 17.03 (1), (2) AND (3). BASED ON BUCKLEY EAL4-ES (DRAINABLE BLADE). BLADES ARE 4" DEEP. HOISTWAY FLOOR AREA: 72 SQ. FT..

SELECTED OPTIONS: FLANGED; STANDARD MILL FINISH. DRAINABLE BLADES.

120V LOW LEAKAGE AUTOMATIC CONTROL DAMPER TO OPEN BY THE T'STAT. SET FOR 85'F; THE BLDG. FIRE ALARM SYSTEM; OR IN THE EVENT OF A POWER FAILURE. (524 CMR, SECTION 17.03 (4) CLOSED VENTS. BELIMO MOTOR OR EQUAL: 120V.
DAMPER SHALL BE POWER CLOSED AND SHALL OPEN UNDER EACH OF THE FOLLOWING CIRCUMSTANCES:
– BY AN APPROVED THERMOSTAT DESIGNED TO OPEN THE CONTROL DAMPER AT A TEMPERATURE OF NOT MORE THAN 90'F.
– BY ANY BUILDING FIRE ALARM SYSTEM INITIATING DEVICE.
– IN THE EVENT OF POWER FAILURE.

THERMOSTAT LOCATED AT TOP OF HOISTWAY TO OPEN THE MOTORIZED DAMPER AT 85'F AND CLOSE AT 82'F. THE OPEN END DUCT ATTACHED TO DAMPER SHALL BE COVERED WITH 3/8" WIRE MESH SCREEN.

DETAIL–GENERATOR EXHAUST STACK

NO SCALE

NOTE
REFER TO THE EXTERIOR ELEVATION ON THIS DRAWING FOR INFORMATION PERTAINING TO THE HIGH TEMPERATURE BELLOWS NOT SHOWN HERE.

GENERAL NOTES

1. THE MECHANICAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR HIRING, SUPERVISING AND COMPENSATION FOR ALL SUB TRADES WORK PERFORMED UNDER THE MECHANICAL CONTRACT.

2. THE MECHANICAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL SCHEDULING OF WORK MATERIALS AND ACTIVITIES OF ALL SUB TRADES WORK UNDER THE MECHANICAL CONTRACT.

3. THE DRAWINGS ARE DIAGRAMMATIC IN INTENT AND DO NOT INDICATE ALL WORK REQUIRED TO COMPLETE JOB.

4. EXACT LOCATION OF ALL NEW MATERIAL AND EQUIPMENT TO BE DETERMINED IN THE FIELD TO AVOID CONFLICTS WITH EXISTING SITE CONDITIONS AND OTHER TRADES.

5. THE MECHANICAL CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.

6. THE MECHANICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED LICENSEES, PERMITS AND FEES.

7. THE MECHANICAL CONTRACTOR SHALL MINIMIZE DIRT AND DUST ACCUMULATION CAUSED BY THE MECHANICAL CONTRACTORS CONSTRUCTION ACTIVITIES.

8. THE MECHANICAL CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER FOR ACCESS TO BUILDING AND AREAS OF CONSTRUCTION UNDER THE MECHANICAL CONTRACT. THE MECHANICAL CONTRACTOR AND PERSONNEL SHALL ADHERE TO ALL OWNER REGULATIONS FOR ACCESS AND EXITING FOR PERSONNEL AND EQUIPMENT.

9. THE MECHANICAL CONTRACTOR SHALL PATCH, TOUCH UP, PAINT AND REPAIR ALL DAMAGED OR DISTURBED AREAS OF FLOORS, WALL OR CEILINGS CAUSED BY THE MECHANICAL CONTRACTORS WORK.

10. THE MECHANICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE AND REPORT ANY DISCREPANCY TO THE ENGINEER BEFORE ORDERING MATERIAL AND PROCEEDING WITH THE PROPOSED WORK.

11. THE MECHANICAL CONTRACTOR SHALL FURNISH TO THE OWNER ALL EQUIPMENT O&M MANUALS AT PROJECT CLOSE OUT.

12. THE MECHANICAL CONTRACTOR SHALL PROVIDE TRAINING TO DESIGNATED PERSONNEL FOR EQUIPMENT OPERATION.

13. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER WITH AS–BUILT DRAWINGS AT PROJECT CLOSE OUT.

14. CROSSFIELD ENGINEERING IS NOT RESPONSIBLE FOR COORDINATION AND AS BUILT DRAWINGS.

15. REFER TO THE HVAC SPECIFICATIONS SECTION 23 00 00 FOR ADDITIONAL INFORMATION.

HOT WATER PIPE INSULATION SCHEDULE

TYPE OF SERVICE	TEMPERATURE RANGE	R VALUE		PIPE SIZE		REMARKS
		@0.25K	@0.29K	<1"	1" to1.5"	
HOT WATER SUPPLY	141–200°F	R–6.0	R–5.1	1.5"	1.5"	2015 I.E.C.C. TABLE C403.2.10.
HOT WATER RETURN	141–200°F	R–6.0	R–5.1	1.5"	1.5"	2015 I.E.C.C. TABLE C403.2.10.

HOT WATER PIPING MATERIAL NOTES

PIPING MATERIALS
1. UNLESS OTHERWISE NOTED, ALL PIPE AND FITTINGS SHALL BE CONSTRUCTED OF NEW MATERIAL, ABSOLUTELY PERFECT THROUGHOUT, SCALE FREE AND OF THE BEST GRADE GUARANTEED FULL WEIGHT.
2. ALL PIPE FITTINGS SHALL BE OF THE SAME MATERIAL AND WALL THICKNESS AS THE PIPE WITH WHICH THEY ARE USED,
3. CONNECTIONS BETWEEN FERROUS AND NON–FERROUS PIPING MATERIALS SHALL BE MADE WITH DIELECTRIC CONNECTIONS.

PIPE MATERIALS
HOT WATER: TYPE 'L' COPPER. WROUGHT COPPER JOINTS AND FITTINGS. USE LEAD FREE SOLDER.

HOT WATER PIPING MECHANICAL DEVICES

MECHANICAL EXPANSION JOINTS OR EXPANSION LOOPS SHALL BE PROVIDED AS RECOMMENDED BY THE PIPE MATERIALS MANUFACTURER.
THE STRATEGY FOR ADDRESSING EXPANSION TO BE REVIEWED WITH THE ENGINEERS PRIOR TO INSTALLATION.

REFRIGERANT PIPE INSULATION SCHEDULE

TYPE OF SERVICE	TEMPERATURE RANGE	R VALUE		PIPE SIZE		REMARKS
		@0.21K	@0.27K	<1"	1" to1.5"	
REFRIGERANT (SUCTION LINE)	40–60°F	R–2.3	R–1.8	0.5"	0.5"	2015 IECC TABLE C403.2.10. CLOSED CELL FOAM INSULATION
REFRIGERANT (LIQUID LINE)	105–140°F	R–4.7	R–3.5	1"	1"	2015 IECC TABLE C403.2.10. CLOSED CELL FOAM INSULATION

REFRIGERANT PIPING MATERIAL & INSULATION NOTES

PIPING MATERIALS
1. UNLESS OTHERWISE NOTED, ALL PIPE AND FITTINGS SHALL BE CONSTRUCTED OF NEW MATERIAL, ABSOLUTELY PERFECT THROUGHOUT, SCALE FREE AND OF THE BEST GRADE GUARANTEED FULL WEIGHT.
2. ALL PIPE FITTINGS SHALL BE OF THE SAME MATERIAL AND WALL THICKNESS AS THE PIPE WITH WHICH THEY ARE USED,
3. CONNECTIONS BETWEEN FERROUS AND NON–FERROUS PIPING MATERIALS SHALL BE MADE WITH DIELECTRIC CONNECTIONS.

REFRIGERANT PIPING: SHALL BE SEAMLESS COPPER TUBE TYPE ACR (HARD OR ANNEALED), WROUGHT COPPER FITTINGS. SOLDER ALL JOINTS USING SILVER SOLDER OR EQUAL. ALL EXTERNAL PIPE AND FITTING SURFACES SHALL BE DEGREASED AND FREE FROM FLUX AND DIRT. PROVIDE EACH REFRIGERANT SYSTEM WITH FULL CHARGE OF PROPER TYPE OF REFRIGERANT AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. INSULATE BOTH THE LIQUID AND SUCTION LINES.
PREINSULATED LINE SETS ARE ACCEPTABLE IF PROVIDED WITH THE CORRECT THICKNESS INSULATION.

MECHANICAL EQUIPMENT ENERGY CODE COMPLIANCE

NEW EQUIPMENT PERFORMANCE AS SPECIFIED MEETS OR EXCEEDS THE MINIMUM EFFICIENCY REQUIREMENTS AS SHOWN IN THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS INDICATED IN CHAPTER 4 COMMERCIAL ENERGY EFFICIENCY, SECTION C403 "BUILDING MECHANICAL SYSTEMS". THIS EQUIPMENT ALSO COMPLIES WITH THE MINIMUM EFFICIENCY REQUIREMENTS OF THE 780CMR STRETCH ENERGY CODE (THE MORE STRINGENT OF THE TWO).

BASIS OF MECHANICAL DESIGN					780CMR STRETCH ENERGY CODE				
UNIT TYPE	TAG	SEER	HSPF	EER	TABLE	SEER	HSPF	EER	COMPLIES
ELECTRICALLY OPERATED UNITARY & APPLIED HEAT PUMPS (SPLIT SYSTEMS)	HP–1(I) / HP–1(O)	18.0	10.0	13.0	507.2.1(2)	15.0	8.5	12.5	YES

AUTOMATIC CONDENSATE REMOVAL PUMP SCHEDULE

CP–1 (LOW PROFILE CONDENSATE REMOVAL PUMP IN ATTIC ELEVATOR CONTROL CLOSET)
BASED ON LITTLE GIANT VCC–20ULS; 55 GPH @ 9 FT. TOTAL HEAD. 1/30 HP; 1.5 AMPS; 120V–1PH; 1/4 GAL. TANK CAPACITY; POLYPROPYLENE FLOAT; 8.6 PSI MAX. PRESSURE; MAX. TEMP. 120 DEG. F; 3/8" BARB DISCHARGE. PIPE TO HEAT PUMP CONDENSATE CONNECTION AS REQUIRED WITH TRAP. PUMPS PROVIDED WITH 6 FT. 3 PRONG POWER CORD; LOW VOLTAGE SAFETY SWITCH; THERMAL OVERLOAD PROTECTOR; NYLON SUMP PAN; CONTROL FLOAT AND FILTER SCREEN. PUMP TO BE SECURED TO THE WALL MOUNTED SHELF JUST BELOW THE HEAT PUMP CONDENSATE CONNECTION. CONDENSATE PUMP DIMENSIONS: 5"H x12"L x5"W.
1. SCHEDULE 40 PVC CONDENSATE DRAIN PIPING TO BASEMENT IN CHASE. SCHEDULE 80 ON FLOOR IN BOILER ROOM.
2. TRAPS TO BE PROVIDED AS REQUIRED BY THE EQUIPMENT OR APPLIANCE MANUFACTURER.

HOISTWAY & L–1 MOTORIZED DAMPER SCHEDULE

LOUVER DAMPERS MFR'D. BY BUCKLEY ASSOC., GREENHECK, RUSKIN OR EQUAL. THE LOUVER IS TO BE FURNISHED WITH A CLASS I LEAKAGE RATED MOTORIZED DAMPER, 120V BELIMO OR EQUAL MOTORS.
FOR THE MOTORIZED DAMPER SEQUENCE OF OPERATION OF THE HOISTWAY DAMPER REFER TO THE HOISTWAY DAMPER SCHEDULE ON THIS DRAWING.
LOUVER L–1 (DWG. M1.01) MOTORIZED DAMPER SEQUENCE OF OPERATION: NORMALLY CLOSED. DAMPER IS OPENED UPON A START UP OF THE EMERGENCY GENERATOR.

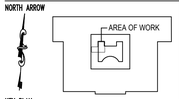
LOUVER TYPE L–1 SCHEDULE

LOUVER MFR'D. BY BUCKLEY ASSOC. EAL–4–DB OR EQUAL. EXTRUDED ALUMINUM 4" DRAINABLE BLADE. SCREEN IS ALUMINUM 0.51x5/8".
LOUVER TO BE STANDARD MILL FINISH.

L–1: THIS LOUVER SERVES THE EXISTING EMERGENCY GENERATOR AND IS PROVIDED WITH A MOTORIZED DAMPER. REFER TO THE DAMPER SCHEDULE ON THIS DRAWING.
42"Wx42"H; 5.25 SQ. FT. FREE AREA.

REFER TO THIS DRAWING FOR HOISTWAY LOUVER INFORMATION.

NORTH ARROW



KEY PLAN

CONSULTANTS

CROSSFIELD ENGINEERING, INC.
ENGINEERING CONSULTANTS
921 SALEM STREET
GROVELAND, MA 01834
TEL: 978-372-8880
FAX: 978-372-8889

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

MECHANICAL ELEVATIONS, NOTES, SCHEDULES AND DETAILS

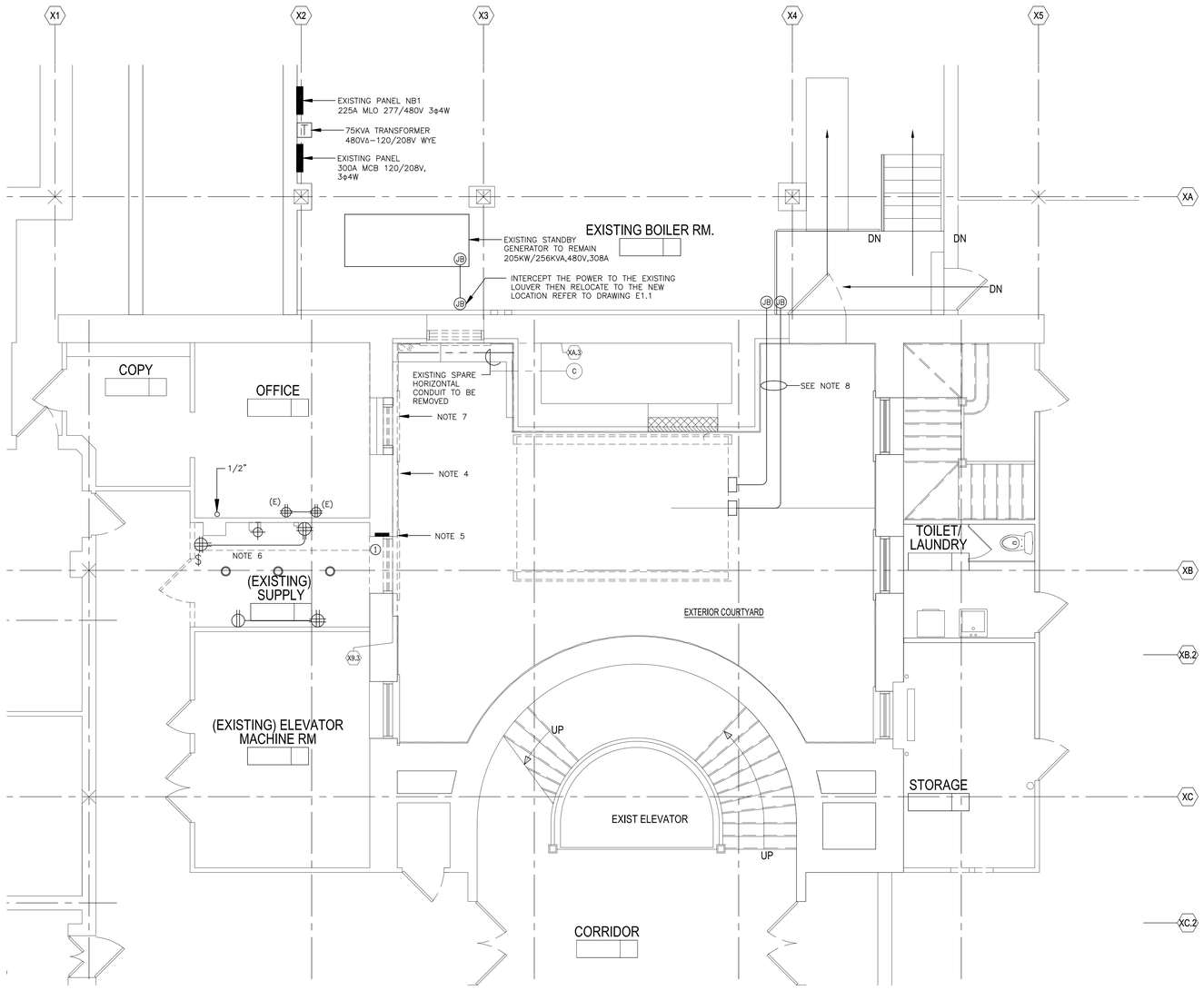
MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION	
SCALE	AS NOTED
DRAWN BY	R.T.
CHECKED	M.T.
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

M2.01



DEMO PARTIAL BASEMENT FLOOR PLAN- ELECTRICAL

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

(E) EXISTING TO REMAIN.

DEMOLITION NOTES:

NOTE 1:

THE EQUIPMENT SHOWN IS TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REVIEW THE SITE AND TO COORDINATE WITH THE GENERAL CONTRACTOR TO DETERMINE THE AMOUNT AND PHASING OF DEMOLITION WORK REQUIRED.

NOTE 2:

THIS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ELECTRICAL EQUIPMENT BEING REMOVED BY THE GENERAL/DEMOLITION CONTRACTOR IS TAGGED AND MADE ELECTRICALLY SAFE. CUT ALL CABLES FROM THE PANEL AND AT THE EQUIPMENT TO ENSURE SAFE REMOVAL.

NOTE 3:

IN THE EVENT THAT A DEVICE BEING REMOVED CAUSES ANOTHER DEVICE REMAINING NOT TO OPERATE, IT SHALL BE THIS CONTRACTORS RESPONSIBILITY TO RECONNECT THE EQUIPMENT REMAINING BACK TO ITS SOURCE.

NOTE 4:

DISCONNECT AND REMOVE THE EXISTING 1/2" EMT CONDUITS IN ITS ENTIRETY BACK TO ITS SOURCE.

NOTE 5:

EXISTING BRANCH CIRCUIT PANEL AND RELATED 30A-208V-3POLE NON-FUSED DISCONNECT SWITCH TO BE DISCONNECTED AND REMOVED IN ITS ENTIRETY BACK TO ITS SOURCE.

NOTE 6:

THE ELECTRICAL EQUIPMENT SHOWN UNLESS OTHERWISE NOTED IS TO BE DISCONNECTED AND REMOVED IN ITS ENTIRETY BACK TO ITS SOURCE, INCLUSIVE OF ALL RELATED EXPOSED CONDUITS, CABLING JUNCTION BOXES, ETC.

NOTE 7:

DISCONNECT AND REMOVE THE EXISTING 1 1/4"C AND RELATED BRANCH CIRCUIT. FEED THAT SUPPORTS THE BRANCH PANEL PP4 IN THE ATTIC.

NOTE 8:

DISCONNECT AND REMOVE THE EXISTING 1 1/4" EMT CONDUITS AND RELATED BRANCH CIRCUIT FEEDS FROM THE BOILER ROOM TO THE EXISTING CHILLER SERVICE DISCONNECT SWITCHES. REFER TO DRAWING E1.1.

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

SHEPHERD ENGINEERING, INC.
ELECTRICAL CONSULTANTS
1308 GRAFTON STREET
WORCESTER, MASSACHUSETTS 01604
PHONE: (508) 757-7793 • FAX: (508) 753-2309
REFERENCE NO.: 18034

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

DEMO PARTIAL BASEMENT FLOOR PLAN - ELECTRICAL

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

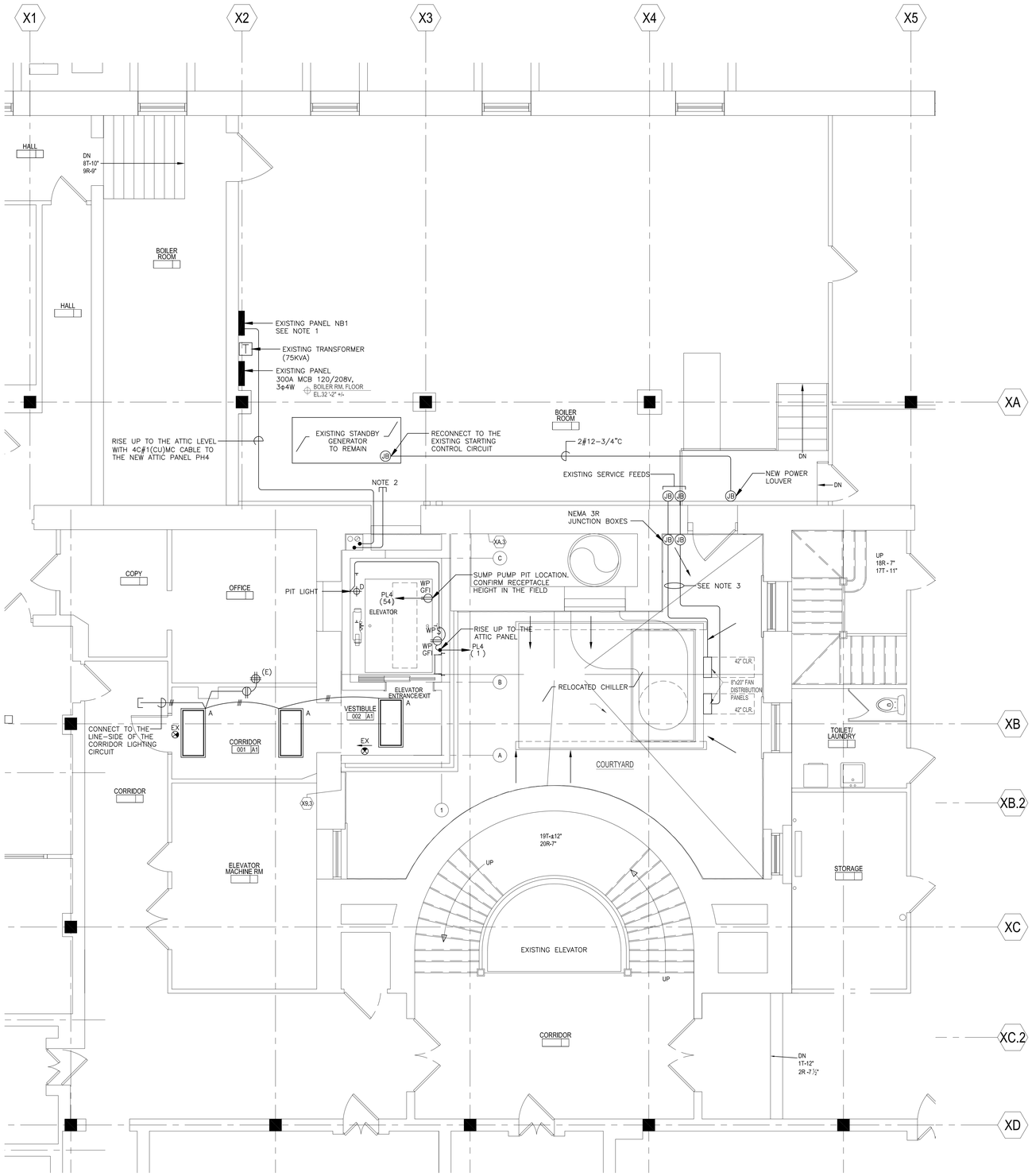
STAMP

DRAWING INFORMATION

SCALE	AS SHOWN
DRAWN BY	AJV
CHECKED	JDS
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

ED.1



BASEMENT FLOOR PLAN- ELECTRICAL

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

TYPICAL FOR ELEVATOR CONTROL CLOSET (ATTIC LEVEL):
FURNISH AND INSTALL A HEAVY DUTY FUSED DISCONNECT SW (SIZE AS INDICATED) NEAR ENTRANCE TO ROOM.

FURNISH AND INSTALL PROVISIONS FOR AN ELEVATOR RECALL SMOKE DETECTOR IN ROOM.

FURNISH AND INSTALL A 20A-1P CIRCUIT BREAKER DISCONNECT SWITCH FOR THE ELEVATOR CAR LIGHT.

EC SHALL FURNISH AND INSTALL PROVISIONS FOR FOUR RELAYS FOR ELEVATOR RECALL SMOKE DETECTORS.

EC SHALL FURNISH AND INSTALL A GFI RECEPTACLE IN ROOM.

THE LIGHT FIXTURE IN ROOM SHALL HAVE A PROTECTIVE COVER OR WIREGUARD INSTALLED.

THE EC SHALL MAKE PROVISIONS FOR A TELEPHONE OUTLET IN ROOM.

THE EC SHALL PROVIDE POWER TO THE EXHAUST FAN AND LINE VOLTAGE THERMOSTAT IN ROOM.

THE EC SHALL PROVIDE THE INTERCONNECTION BETWEEN THE ELEVATOR MICROPROCESSOR MOTOR CONTROLLER AND THE FIRE ALARM SYSTEM.

IT SHALL BE THE RESPONSIBILITY OF THE EC TO COORDINATE ALL ELEVATOR WORK WITH THE GENERAL CONTRACTOR AND ELEVATOR INSPECTOR.

PROVIDE POWER FOR THE HVAC COOLING SYSTEM.

ELEVATOR SHAFT REQUIREMENTS:
ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL THE FOLLOWING IN THE ELEVATOR SHAFT:

THE EC SHALL FURNISH AND INSTALL A SWITCH CONTROL AND LIGHT FIXTURE WITH PROTECTIVE COVER OR WIREGUARD IN THE BOTTOM AND TOP OF SHAFT. REFER TO THE ELEVATOR 1 PLANS AND SECTIONS DRAWING VT.01.

THE EC SHALL FURNISH AND INSTALL A GFI/WP RECEPTACLE IN THE BOTTOM AND TOP OF SHAFT. REFER TO THE ELEVATOR 1 PLANS AND SECTIONS DRAWING VT.01.

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH AND INSTALL 120V CONTROL POWER FOR THE NEW MOTOR OPERATED DAMPER BEING INSTALLED WITHIN THE ELEVATOR SHAFT. INCLUDE A FIRE ALARM ADDRESSABLE CONTROL RELAY AND AN INTERFACE RELAY WHICH WILL POWER THE LOUVER OPENING DURING AN ALARM CONDITION WITHIN THE BUILDING. IF POSSIBLE, THE RELAYS SHOULD BE INSTALLED WITHIN THREE FEET OF THE DAMPER CONTROLS. IF THE SHAFT IS UNHEATED, THE RELAYS ARE TO BE INSTALLED WITHIN THE ELEVATOR MACHINE ROOM.

THE HVAC CONTRACTOR IS TO FURNISH AND INSTALL THE DAMPER AND ASSOCIATED MOTOR. THE MOTOR SHOULD HAVE THE CAPABILITY OF OPENING DURING THE LOSS OF POWER.

NOTE 1:
FURNISH AND INSTALL A NEW 125A-480V-3P-42KAIC CIRCUIT BREAKER WITHIN THE EXISTING 225A MLO PANEL NB1 (NATIONAL SWITCHBOARD CO.). INSTALL 4C#MC CABLE TO THE NEW PANEL PH4 LOCATED IN THE ATTIC.

NOTE 2:
FURNISH AND INSTALL (2)2" EMT CONDUITS UP TO THE ATTIC LEVEL FOR FUTURE.

NOTE 3:
INTERCEPT THE TWO 125A-3P-480V BRANCH CIRCUIT FEEDS FROM THE BOILER. EXTEND WITH TWO SETS 3#1THHN + 1#6THHN IN 1 1/4" CONDUITS TO REFEED THE EXISTING CHILLER SERVICE SWITCHES. INTERCEPT THE EXISTING 2#12THHN + 1#12THHN CONTROL CABLES THEN EXTEND WITH 3/4" CONDUIT TO THE NEW CONTROLS LOCATION.

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

SHEPHERD ENGINEERING, INC.
ELECTRICAL CONSULTANTS
1308 GRAFTON STREET
WORCESTER, MASSACHUSETTS 01604
PHONE: (508) 757-7793 • FAX: (508) 753-2309
REFERENCE NO.: 18034

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

BASEMENT FLOOR PLAN ELECTRICAL

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

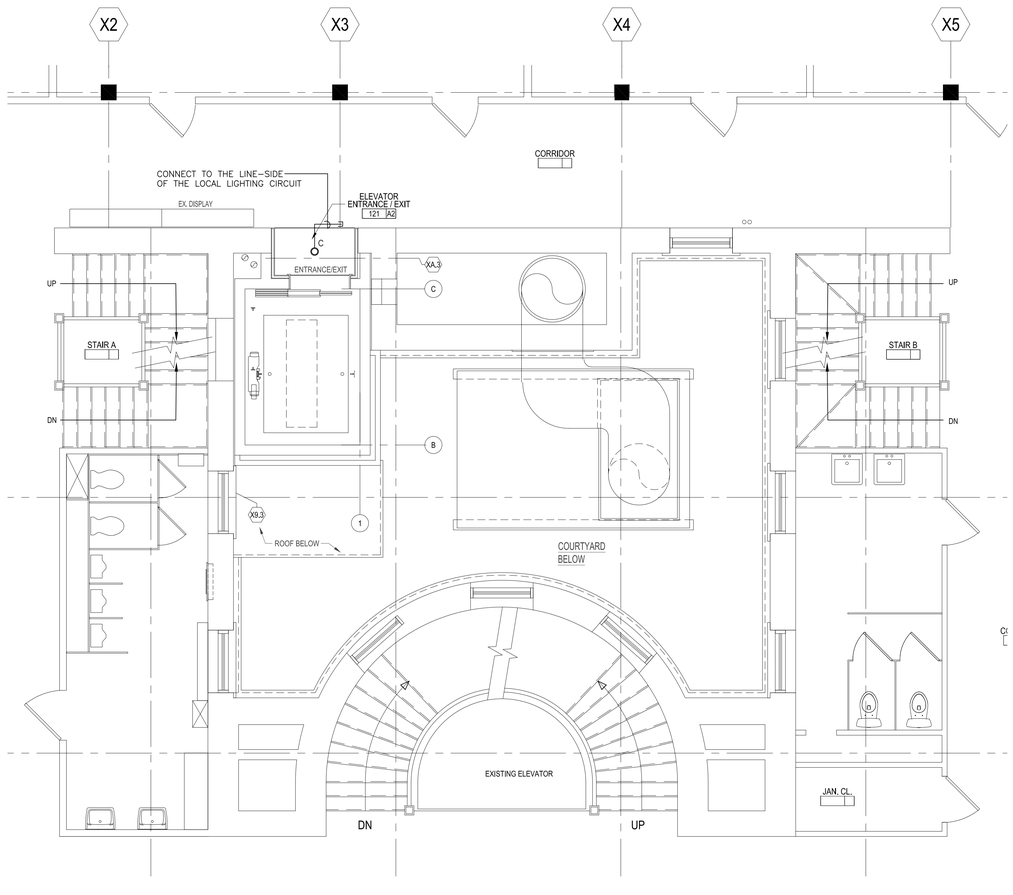
STAMP

DRAWING INFORMATION

SCALE	1/4"=1'-0"
DRAWN BY	AJV
CHECKED	JDS
DATE	FEBRUARY 13, 2019

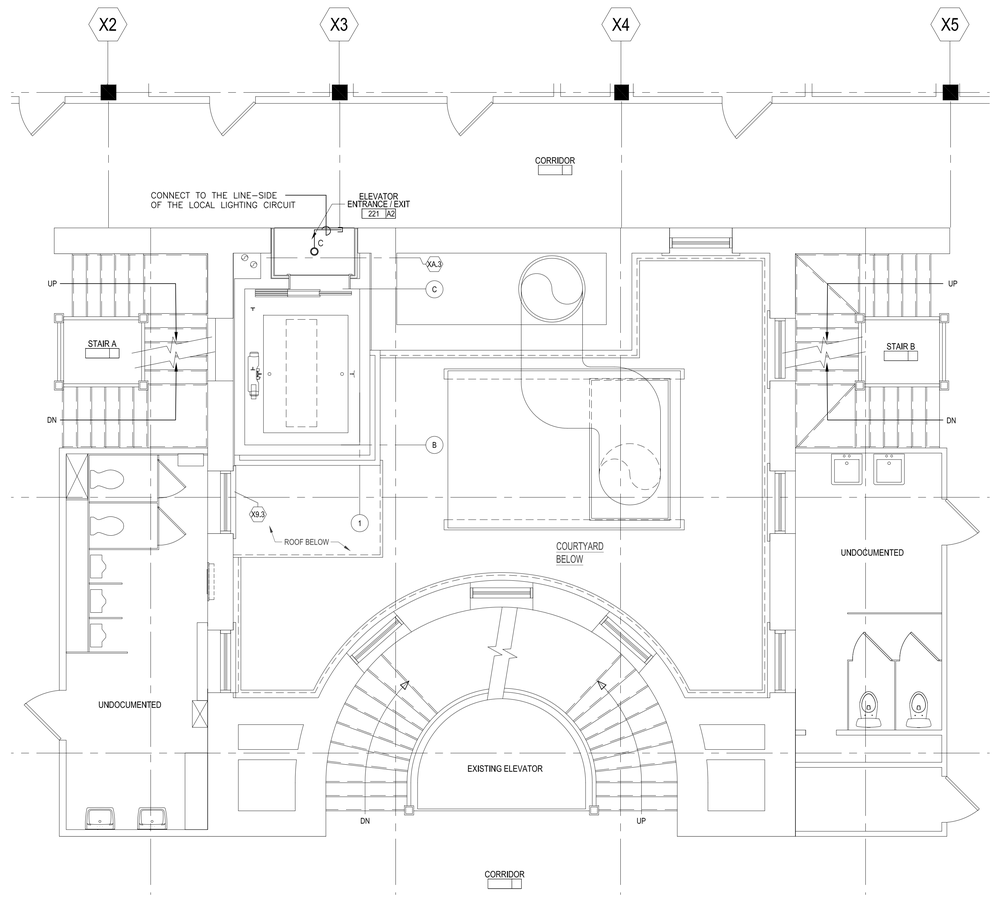
DRAWING NUMBER

E1.1



FIRST FLOOR PLAN- ELECTRICAL

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



SECOND FLOOR PLAN- ELECTRICAL

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

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

SHEPHERD ENGINEERING, INC.
ELECTRICAL CONSULTANTS
1308 GRAFTON STREET
WORCESTER, MASSACHUSETTS 01604
PHONE: (508) 757-7793 • FAX: (508) 753-2309
REFERENCE NO.: 18034

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

FIRST & SECOND FLOOR PLANS ELECTRICAL

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

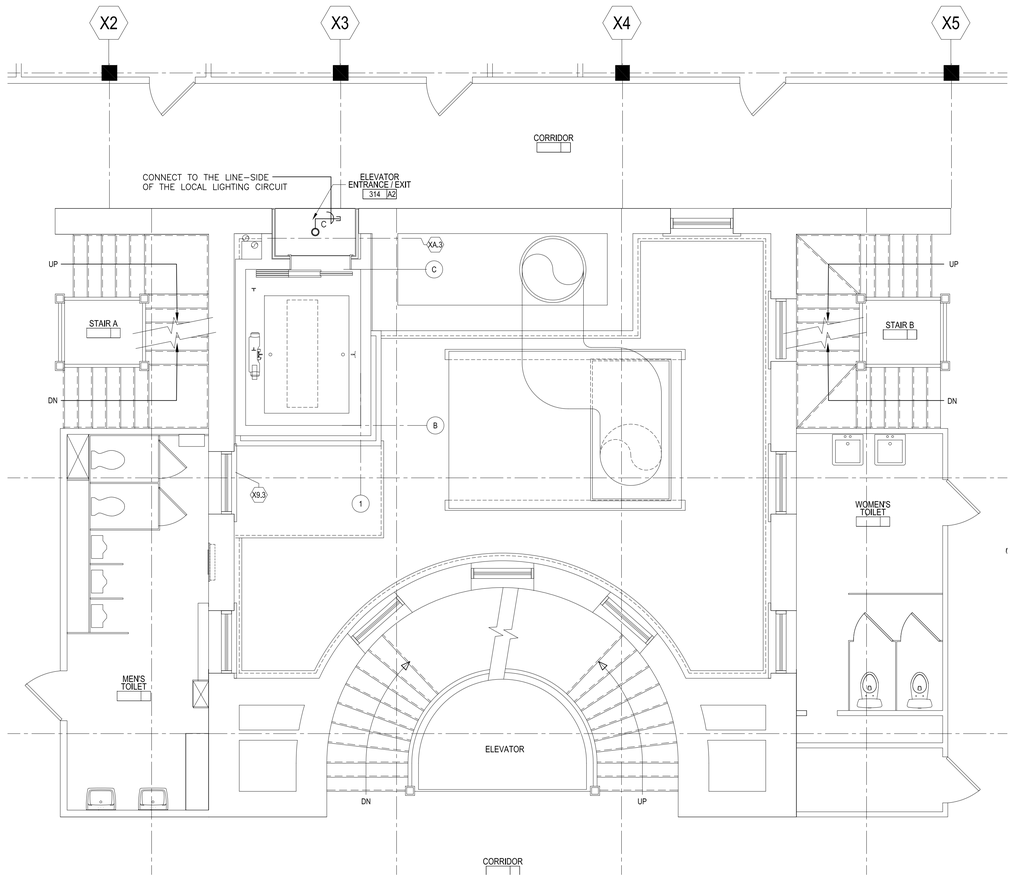
STAMP

DRAWING INFORMATION

SCALE	1/4"=1'-0"
DRAWN BY	AJV
CHECKED	JDS
DATE	FEBRUARY 13, 2019

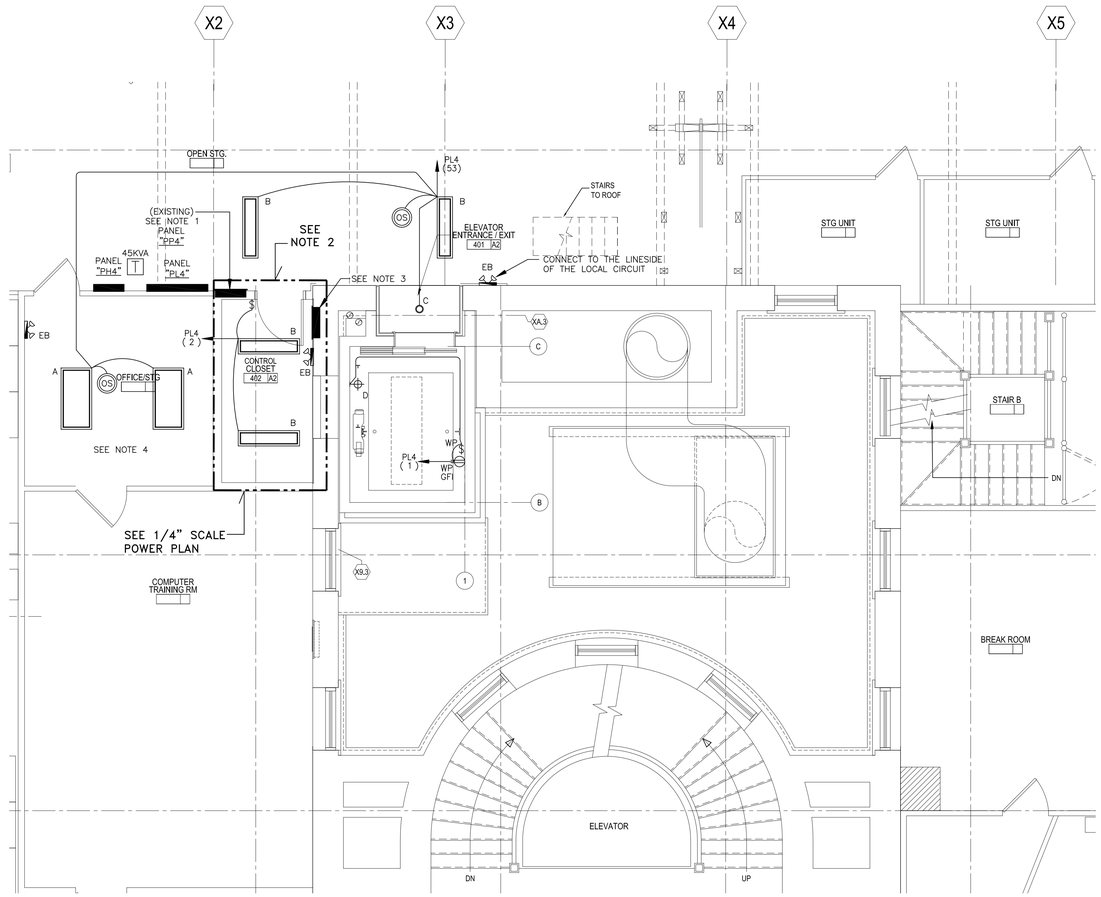
DRAWING NUMBER

E2.1



THIRD FLOOR PLAN- ELECTRICAL

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



ATTIC FLOOR PLAN- ELECTRICAL

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

NOTE 1:

DISCONNECT AND REMOVE THE EXISTING BRANCH PANEL PP4 AND THE RELATED BRANCH FEED DOWN TO THE BASEMENT LEVEL CURRENTLY RUN EXPOSED ON THE EXTERIOR OF THE BUILDING. INTERCEPT THE (38) THIRTY-EIGHT EXISTING BRANCH CIRCUITS THEN RECONNECT TO THE NEW PANEL PL4.

NOTE 2:

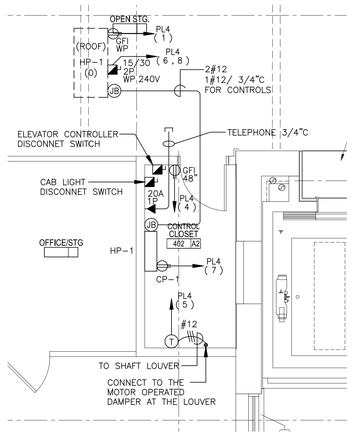
INTERCEPT THE EXISTING TWELVE (12) BRANCH CIRCUIT MC CABLES FED FROM PANEL PP4 CURRENTLY INSTALLED ALONG THE WALL WHERE THE NEW ELEVATOR MACHINE ROOM DOOR AND ELEVATOR ENTRANCE ARE PROPOSED. REINSTALL AT THE CEILING LEVEL THEN RECONNECT TO THE NEW PANEL PL4.

NOTE 3:

DISCONNECT AND REMOVE THE EXISTING BRANCH CIRCUIT PANEL AND RELATED FEED TO PANEL PP4. INTERCEPT THE FOUR (4) BRANCH CIRCUIT FEEDS THEN RELOCATE TO THE PANEL PL4.

NOTE 4:

DISCONNECT AND REMOVE THE EXISTING 2X4 RECESSED LIGHT FIXTURES, DUPLEX RECEPTACLE FEEDS AND FEED TO THE TWO AC UNITS IN THEIR ENTIRETY BACK TO ITS SOURCE.



ELEVATOR CONTROL CLOSET- ELECTRICAL

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

NOTE:

THE FOUR ELEVATOR RECALL MODULES WILL BE FURNISHED AND INSTALLED UNDER A SEPERATE PROJECT. INSTALL A 3/4"C FROM THE MACHINE ROOM TO THE LOUVER FOR THE FUTURE FIRE ALARM CONNECTION.

NORTH ARROW

AREA OF WORK

KEY PLAN

CONSULTANTS

SHEPHERD ENGINEERING, INC.
ELECTRICAL CONSULTANTS
1308 GRAFTON STREET
WORCESTER, MASSACHUSETTS 01604
PHONE: (508) 757-7793 • FAX: (508) 753-2309
REFERENCE NO.: 18034

REVISIONS

PROJECT PHASE

BID SET

PROJECT NUMBER

02014.58

PROJECT NAME/LOCATION

NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE

THIRD & ATTIC FLOOR PLANS ELECTRICAL

MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION

SCALE	AS SHOWN
DRAWN BY	AJV
CHECKED	JDS
DATE	FEBRUARY 13, 2019

DRAWING NUMBER

E3.1

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOGUE #	LAMPING			MOUNTING	REMARKS
			TYPE	WATTAGE	QUANTITY		
A	PHILIPS LTG	2EVG38L83540UNVDIMEMLED	LED	37.0		RECESSED	INTERNAL EMERGENCY DRIVER
B	PHILIPS LTG	LBX55L840UNVFD	LED	55.0		SURFACE	
C	PHILIPS LTG	CP5RN-CP5RB8830W	LED	13.0		RECESSED	
D	ARK LTG	AVTL-055-LED	LED	19.7		WALL	ELEVATOR SHAFT LIGHT
EX	MULE	SQCLEDIRWWSD	LED			UNIV	EXIT SIGN TWO HEADS
EB	MULE	CEKIBRCWHUSD	LED			WALL	EMERGENCY BATTERY UNIT

PANEL: PH4 — 42KAIC

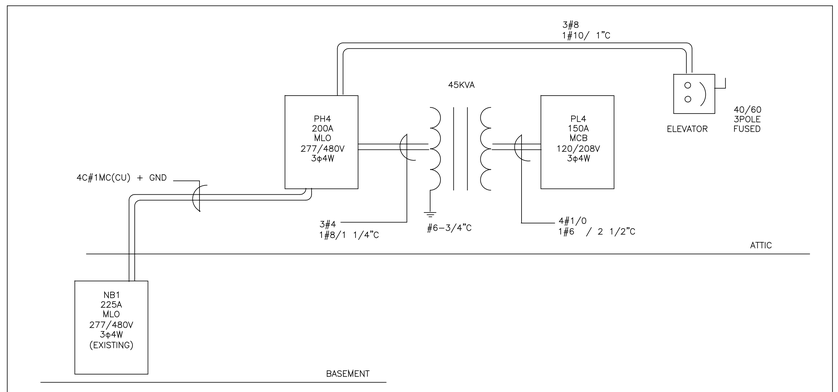
MAIN: 200A MLO — TYPE: EATON CO OR EQUAL
VOLTAGE: 277/480V PHASE: 3 WIRE: 4 — SURFACE

CIR	DESCRIPTION	TRIP	POLE	CIR	DESCRIPTION	TRIP	POLE
1				2			
3	ELEVATOR	40	3	4	PANEL PL4	70	3
5				6			
7	SPARE	20	1	8	SPARE	20	1
9	SPARE	20	1	10	SPARE	20	1
11	SPARE	20	1	12	SPARE	20	1
13	SPARE	20	1	14	SPARE	20	1
15	SPARE	20	1	16	SPARE	20	1
17	SPARE	20	1	18	SPARE	20	1
19	SPARE	20	1	20	SPARE	20	1
21				22			
23				24			
25	PROVISIONS FOR FUTURE			26	PROVISIONS FOR FUTURE		
27				28			
29				30			

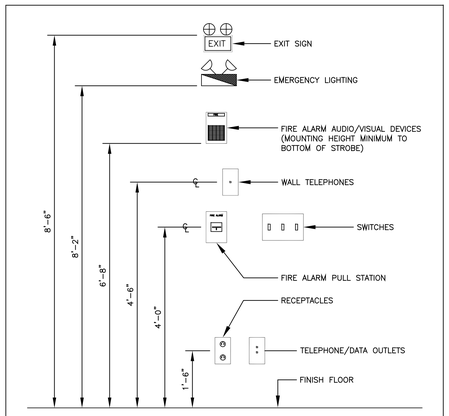
PANEL: PL4 — 10KAIC

MAIN: 150A MCB — TYPE: EASTON CO. OR EQUAL
VOLTAGE: 120/208V PHASE: 3 WIRE: 4 — TWO SECTION

CIR	DESCRIPTION	TRIP	POLE	CIR	DESCRIPTION	TRIP	POLE
1	ELEV. PIT RECEPT./LTS	20	1	2	ELEV. MACH. RM.LTS	20	1
3	ELEV. CAB LTS	20	1	4	ELEV. MACHINE RM. RECEPT.	20	1
5	SHAFT LOUVER POWER	20	1	6	HP-1 (0) (1)	15	2
7	CONDENSATE PUMP CP-1	20	1	8			
9	EXISTING CIRCUITS	20	1	10	EXISTING CIRCUITS	20	1
11	EXISTING CIRCUITS	20	1	12	EXISTING CIRCUITS	20	1
13	EXISTING CIRCUITS	20	1	14	EXISTING CIRCUITS	20	1
15	EXISTING CIRCUITS	20	1	16	EXISTING CIRCUITS	20	1
17	EXISTING CIRCUITS	20	1	18	EXISTING CIRCUITS	20	1
19	EXISTING CIRCUITS	20	1	20	EXISTING CIRCUITS	20	1
21	EXISTING CIRCUITS	20	1	22	EXISTING CIRCUITS	20	1
23	EXISTING CIRCUITS	20	1	24	EXISTING CIRCUITS	20	1
25	EXISTING CIRCUITS	20	1	26	EXISTING CIRCUITS	20	1
27	EXISTING CIRCUITS	20	1	28	EXISTING CIRCUITS	20	1
29	EXISTING CIRCUITS	20	1	30	EXISTING CIRCUITS	20	1
31	EXISTING CIRCUITS	20	1	32	EXISTING CIRCUITS	20	1
33	EXISTING CIRCUITS	20	1	34	EXISTING CIRCUITS	20	1
35	EXISTING CIRCUITS	20	1	36	EXISTING CIRCUITS	20	1
37	EXISTING CIRCUITS	20	1	38	EXISTING CIRCUITS	20	1
39	EXISTING CIRCUITS	20	1	40	EXISTING CIRCUITS	20	1
41	EXISTING CIRCUITS	20	1	42	EXISTING CIRCUITS	20	1
43	EXISTING CIRCUITS	20	1	44	EXISTING CIRCUITS	20	1
45	EXISTING CIRCUITS	20	1	46	EXISTING CIRCUITS	20	1
47	EXISTING CIRCUITS	20	1	48	EXISTING CIRCUITS	20	1
49	EXISTING CIRCUITS	20	1	50	EXISTING CIRCUITS	20	1
51	EXISTING CIRCUITS	20	1	52	EXISTING CIRCUITS	20	1
53	ATTIC LTS	20	1	54	ELEVATOR PIT SUMP PUMP	20	1
55	SPARE	20	1	56	SPARE	20	1
57	SPARE	20	1	58	SPARE	20	1
59	SPARE	20	1	60	SPARE	20	1
61	SPARE	20	1	62	SPARE	20	1
63	SPARE	20	1	64	SPARE	20	1
65	SPARE	20	1	66	SPARE	20	1
67	SPARE	20	1	68	SPARE	20	1
69	SPARE	20	1	70	SPARE	20	1
71	SPARE	20	1	72	SPARE	20	1
73	SPARE	20	1	74	SPARE	20	1
75				76			
77				78			
79	PROVISIONS FOR FUTURE			80	PROVISIONS FOR FUTURE		
81				82			
83				84			



ELEVATOR DISTRIBUTION RISER
N.T.S.



DEVICE LOCATION HEIGHTS
NOT TO SCALE

NOTES:
ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM THE FINISH FLOOR TO THE CENTERLINE OF THE DEVICE EXCEPT EXIT SIGNS, CLOCKS, EMERGENCY LIGHTING AND FIRE ALARM A/V DEVICES.

DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.

ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED UNLESS OTHERWISE NOTED.

STROBE HEIGHT ILLUSTRATED AT MAXIMUM HEIGHT. STROBE SHALL BE 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.

LIGHTING LEGEND

- 2X4 LIGHT FIXTURE
- 1X8 LIGHT FIXTURE
- DOWN LIGHT/CEILING FIXTURE
- WALL MOUNTED FIXTURE
- $ SINGLE POLE SWITCH
- EXIT SIGN
- EXIT SIGN/EMERGENCY BATTERY UNIT
- CEILING-MOUNTED MOTION SENSOR

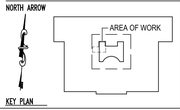
POWER LEGEND

- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- GFI GFI RECEPTACLE
- DISCONNECT SWITCH
- JUNCTION BOX
- PANEL
- HOMERUN TO PANEL

TEL/DATA LEGEND

- TELEPHONE OUTLET

NORTH ARROW



KEY PLAN

CONSULTANTS

SHEPHERD ENGINEERING, INC.
ELECTRICAL CONSULTANTS
1308 GRAFTON STREET
WORCESTER, MASSACHUSETTS 01604
PHONE: (508) 757-7793 • FAX: (508) 753-2309
REFERENCE NO.: 18034

REVISIONS

PROJECT PHASE
BID SET

PROJECT NUMBER
02014.58

PROJECT NAME/LOCATION
NEW BEDFORD CITY HALL
NEW ELEVATOR RENOVATIONS

133 WILLIAM STREET
NEW BEDFORD, MA 02740

DRAWING TITLE
LEGEND
SCHEDULES
AND DETAILS

MVG
MOUNT VERNON GROUP ARCHITECTS
47 North Second St
New Bedford, Massachusetts 02740
508 991 7500 T
508 991 7501 F
info@mvgarchitects.com E

STAMP

DRAWING INFORMATION

SCALE	N.T.S
DRAWN BY	AJV
CHECKED	JDS
DATE	FEBRUARY 13, 2019

DRAWING NUMBER
E4.1