

Woodman
Associates
Architects

Architecture
Design
Planning

76 State Street
Newburyport, MA
01950 USA

978-462-9522
978-462-9523 fax
email @
WoodmanAssociates.com

Project:
INSTITUTION FOR SAVINGS
OFFICE ADDITION

Location:
93 STATE STREET
NEWBURYPORT, MA

Drawing Title:
SITE PLAN
GROUND FLOOR

Scale:
1" = 20'-0"
Date:
1/6/20

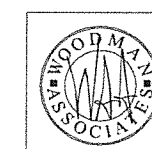
Consultant:

Project No:
17004.00

Drawn by:
CKN

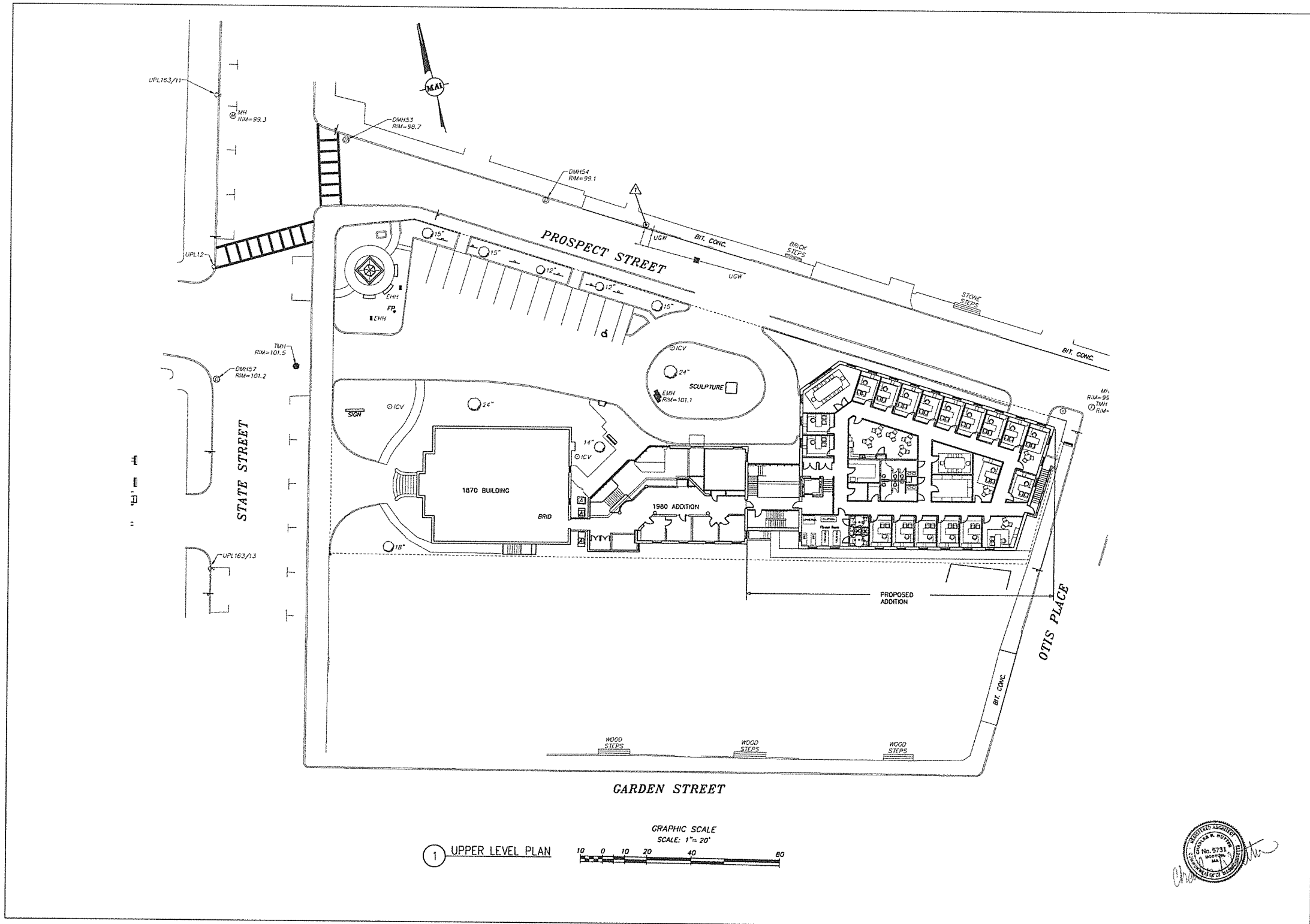
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Reviewed:

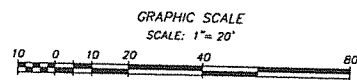


1.2

Drawing No.



1 UPPER LEVEL PLAN



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SITE PLAN
UPPER LEVEL

Scale:
1"=20'-0"

Date:
1/6/20

Client:

Project No.
17004.00

Drawn by:
CKN

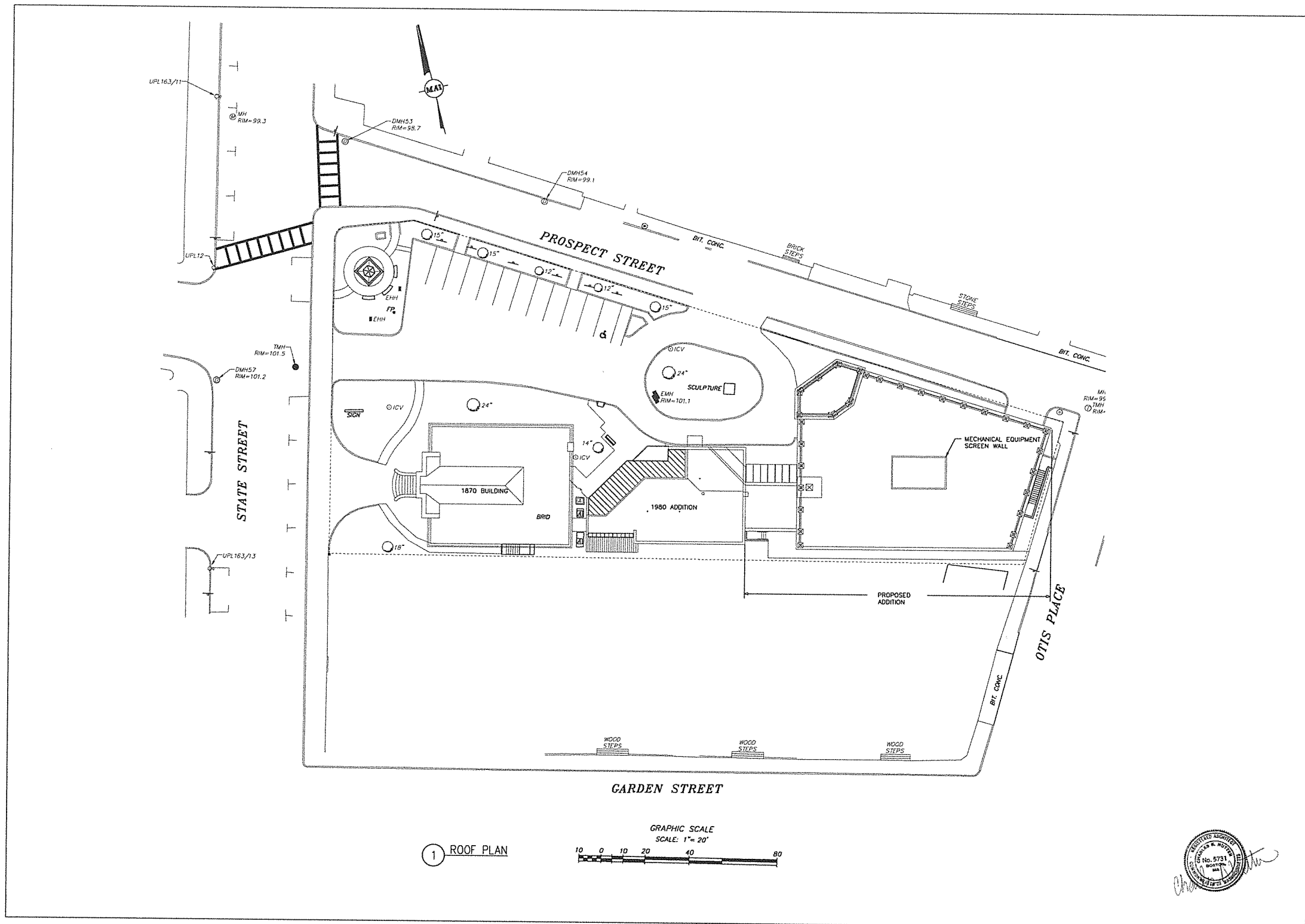
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Revisions:

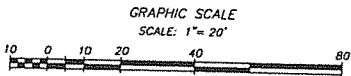


1.3

Drawing No.



1 ROOF PLAN



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Drawing Title:
SITE PLAN
ROOF LEVEL

Scale:
1" = 20' - 0"

Date:
1/6/20

Client/Owner:

Project No.
17004.00

Drawn by:
CKN

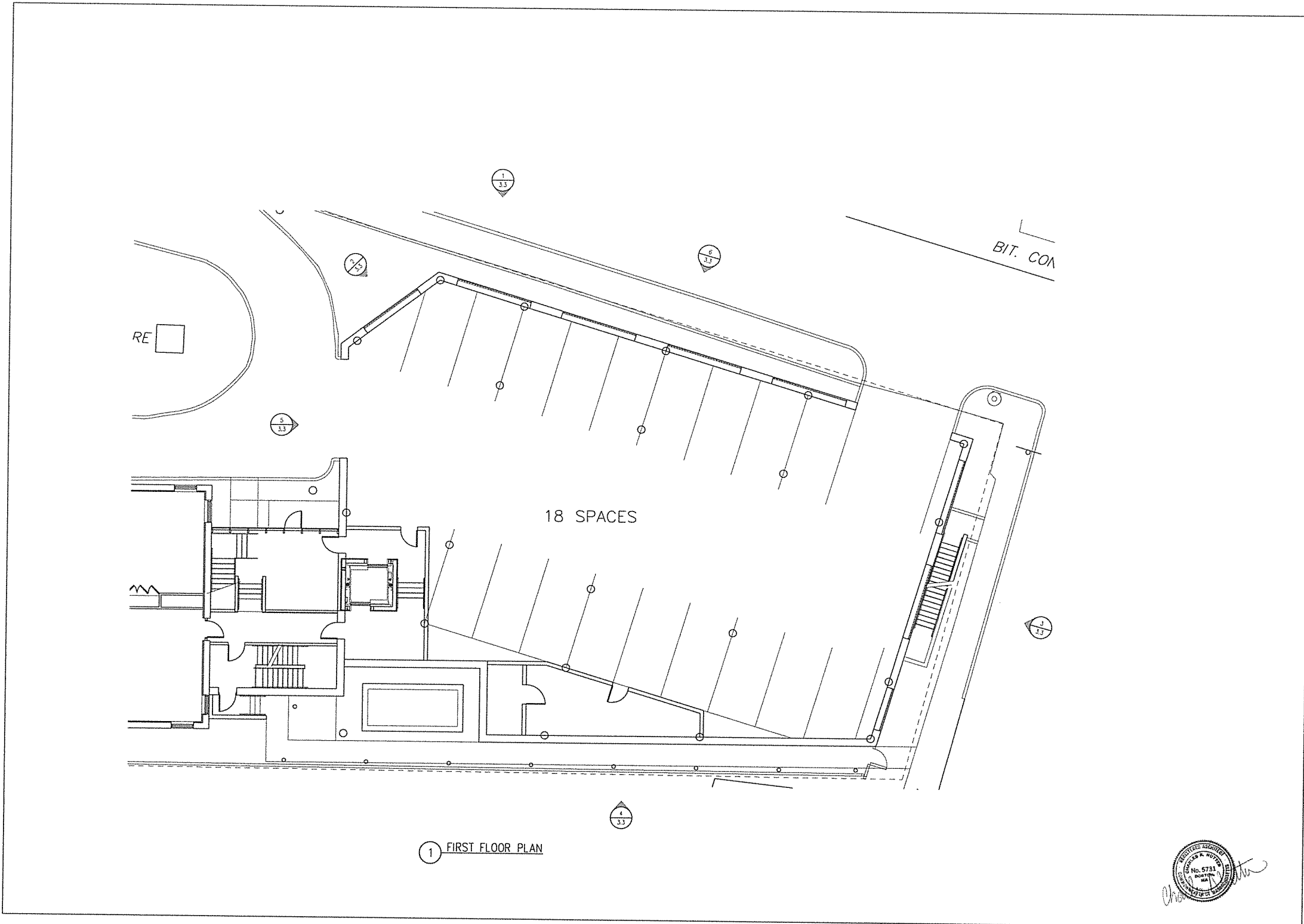
Checked by:

Revised:



1.4

Drawing No.



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Drawing Title:
FIRST FLOOR PLAN

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

Date:
1/6/20

Consultants:

Project No:
17004.00

Drawn by:
CKN

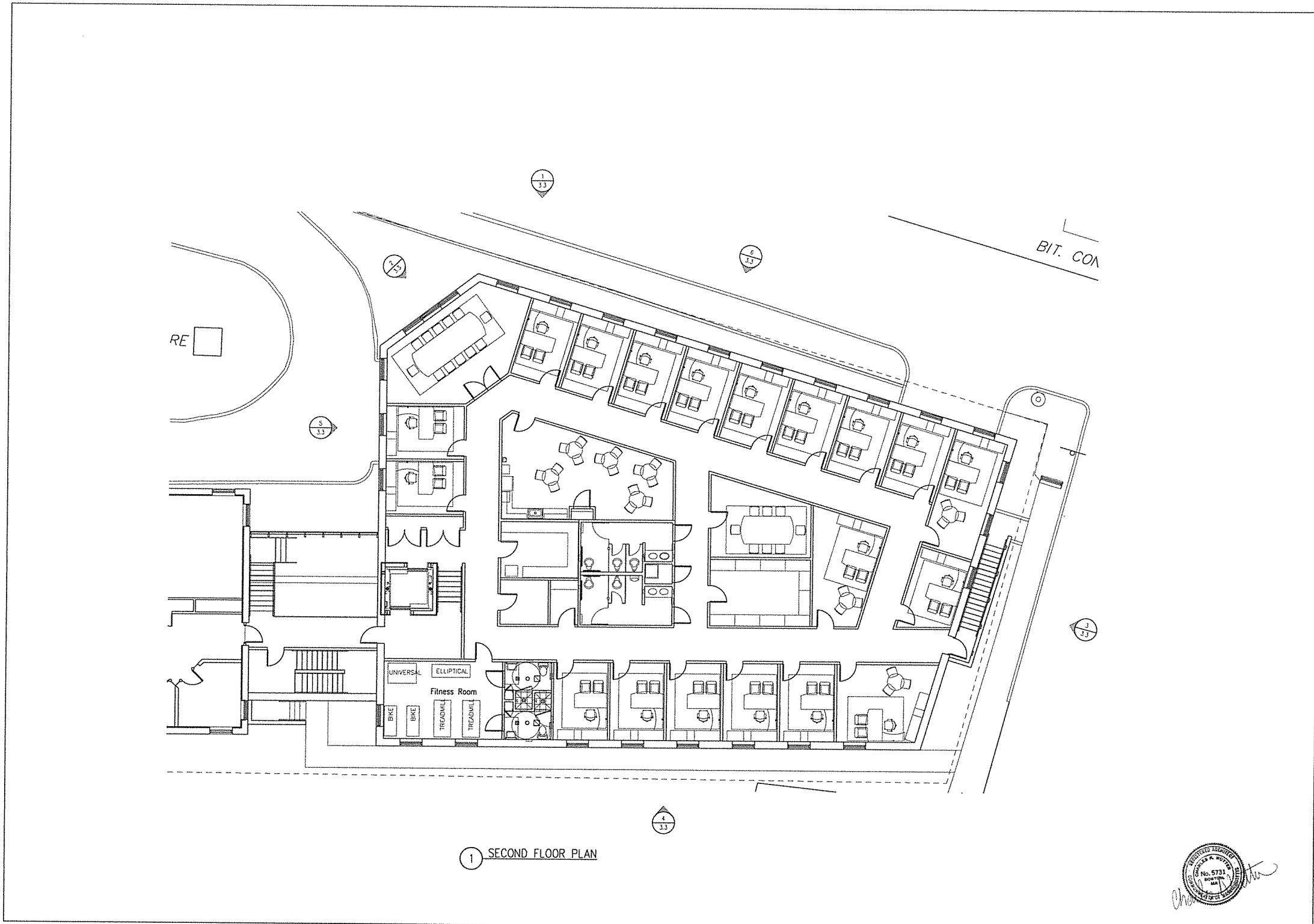
Checked by:

Revisions:



2.2

Drawing No.



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**INSTITUTION FOR SAVINGS
OFFICE ADDITION**

Location:
**93 STATE STREET
NEWBURYPORT, MA**

Drawing Title:
SECOND FLOOR PLAN

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

Date:
1/6/20

Created by:

Project No:
17004.00

Drawn by:
CKN

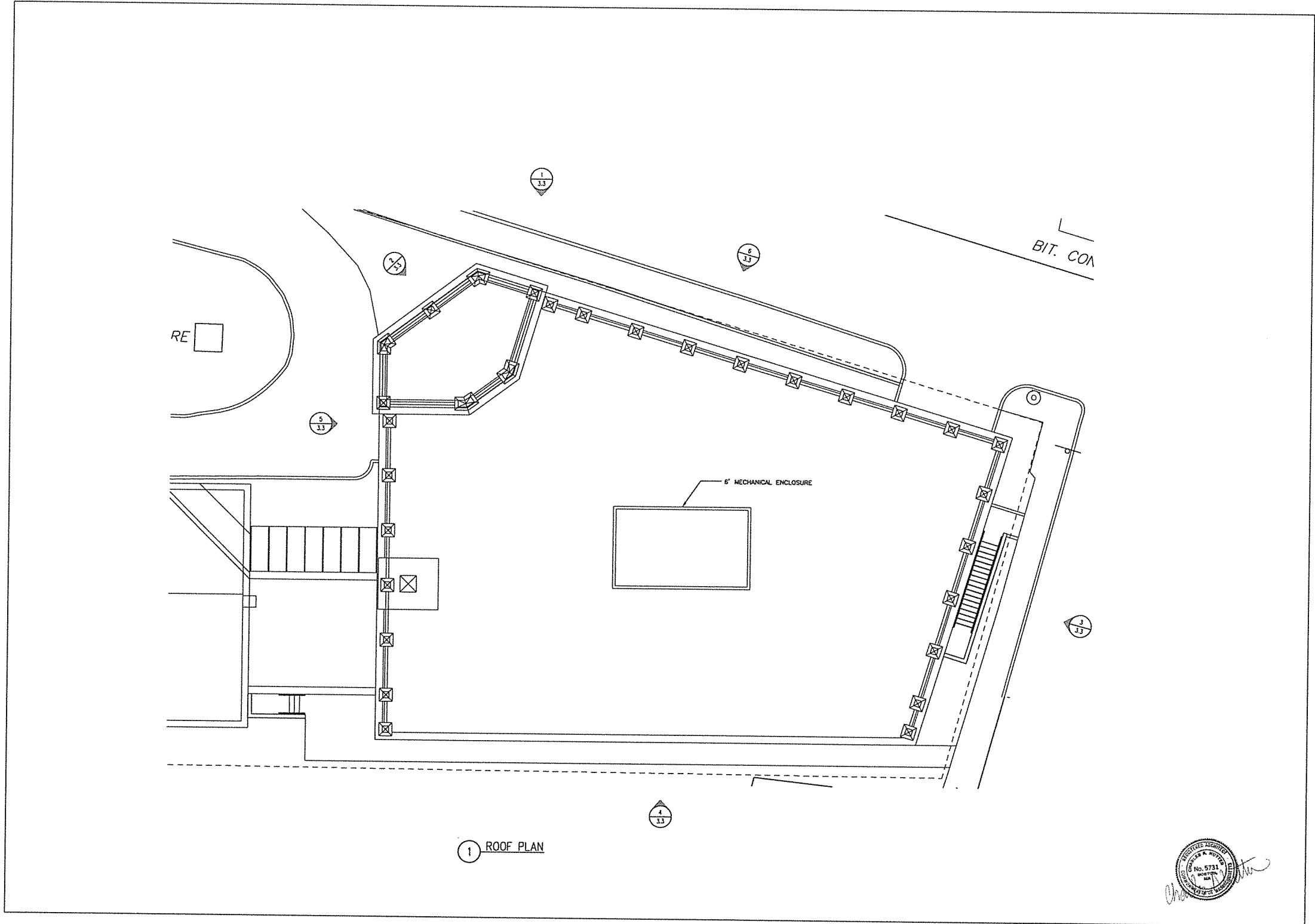
Checked by:

Reviewed:



2.3

Drawing No.



1 ROOF PLAN



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Drawing Title:
ROOF PLAN

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

Date:
1/6/20

Project No:
17004.00

Drawn by:
CKN

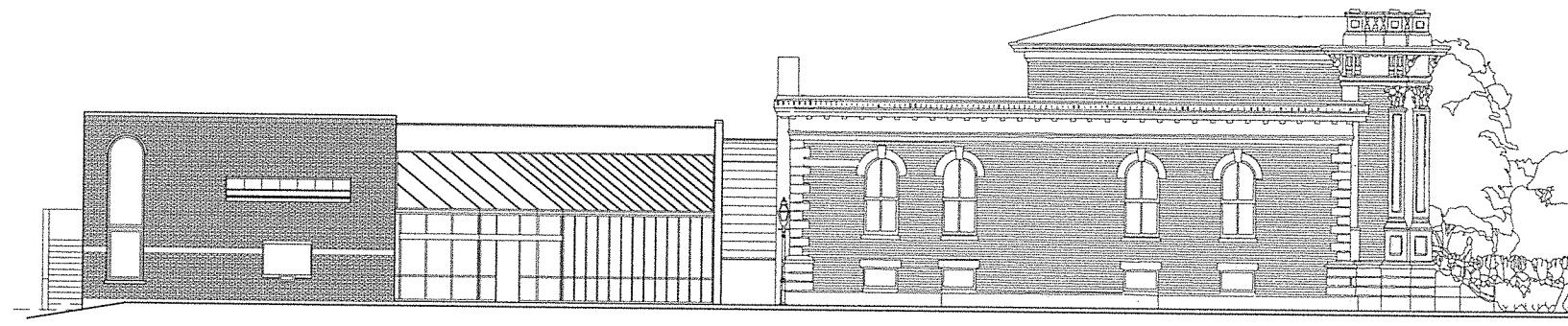
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Reviewed:

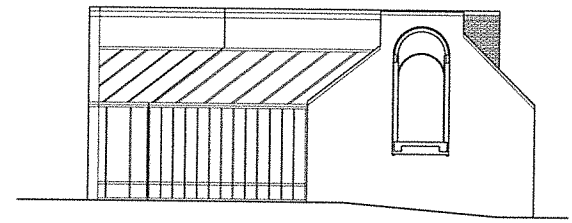


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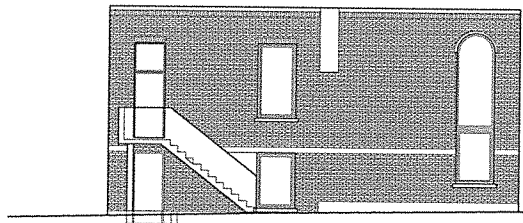
Drawing No.



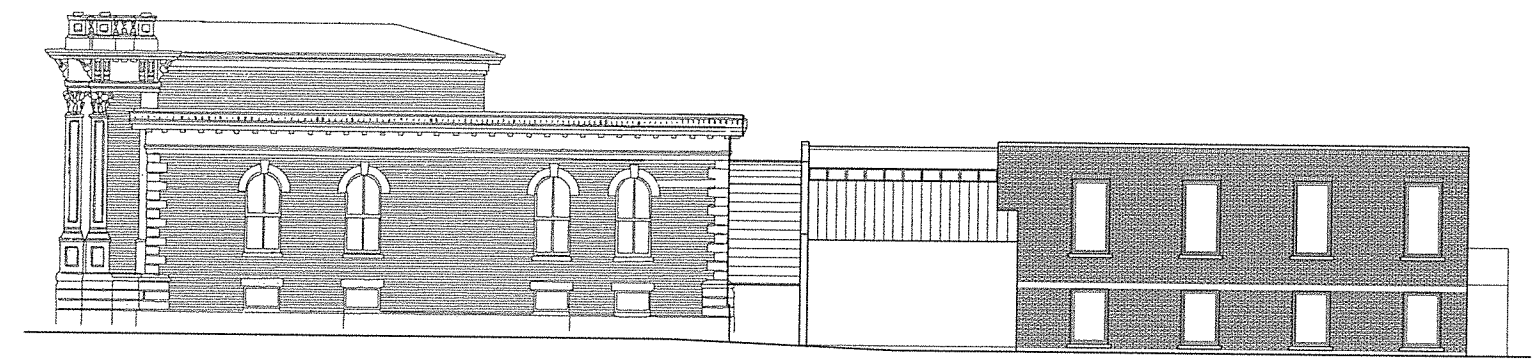
① EXISTING NORTH ELEVATION



② EXISTING WEST ELEVATION



③ EXISTING EAST ELEVATION



④ EXISTING NORTH ELEVATION



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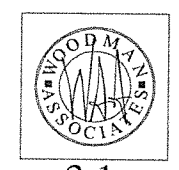
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NEWBURYPORT, MA**
Drawing Title:
EXISTING ELEVATIONS

Scale:
1/8" = 1'-0"
Date:
1/6/20
Created by:

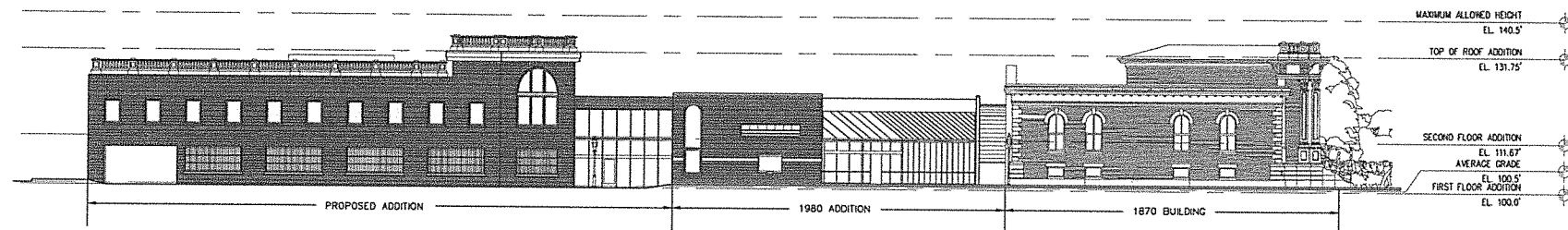
Project No.
17004.00

Drawn by:
CKN
Checked by:
Reviewed:

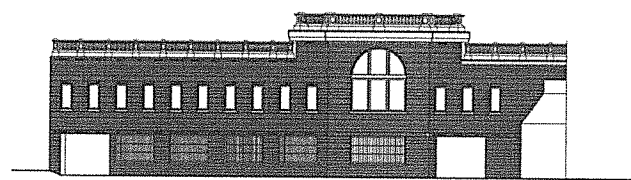


3.1

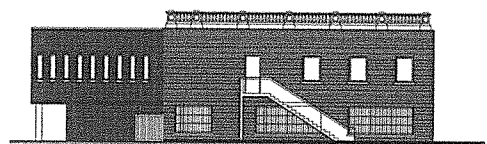
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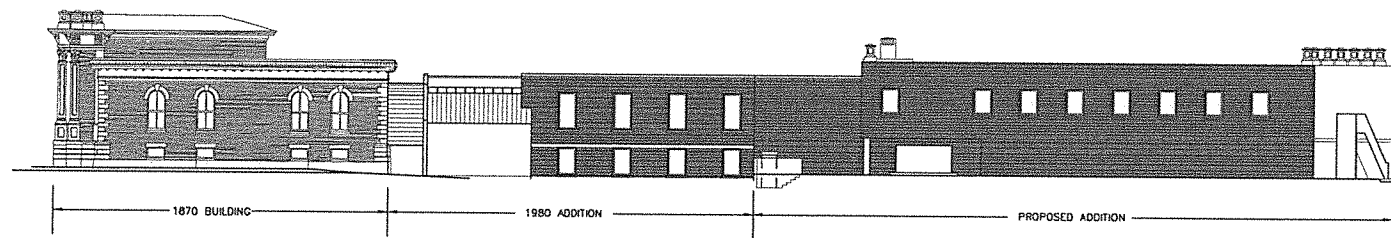
1 PROPOSED NORTH ELEVATION



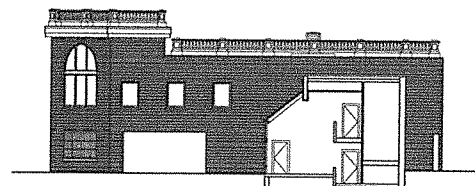
2 PROPOSED NORTHWEST ELEVATION



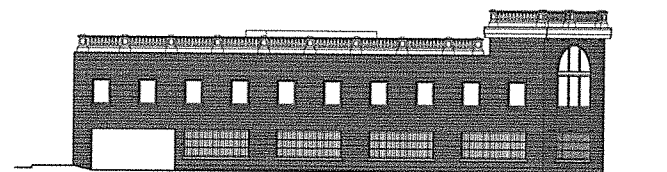
3 PROPOSED EAST ELEVATION



4 PROPOSED SOUTH ELEVATION



5 PROPOSED WEST ELEVATION



6 PROPOSED NORTHEAST ELEVATION



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Drawing Title:
PROPOSED OVERALL
ELEVATIONS

Scale:
1/16" = 1'-0"

Date:
1/6/20

Consultant:

Project No:
17004.00

Drawn by:
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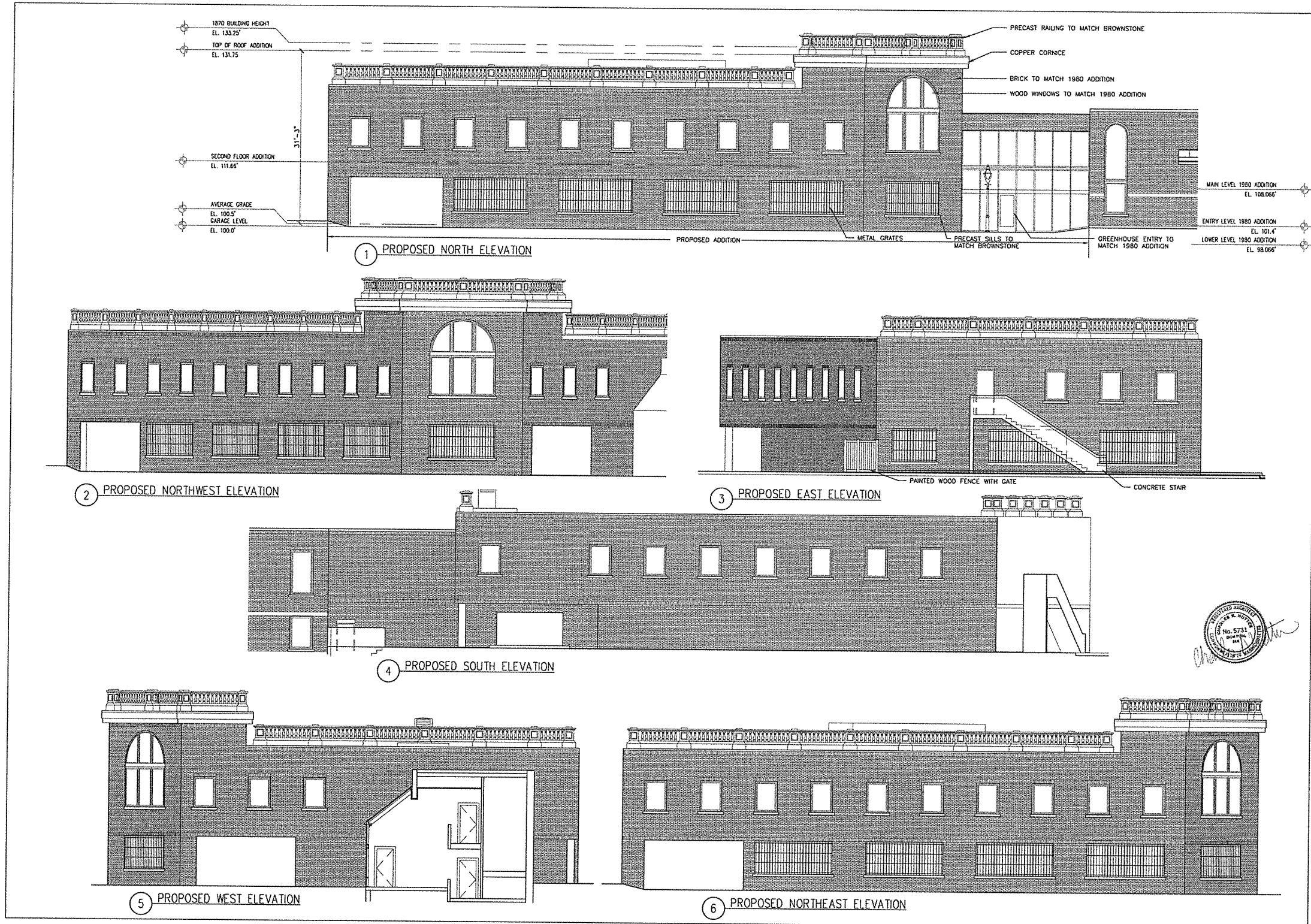
Checked by:

Revisions:



3.2

Drawing No.



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PROPOSED ELEVATIONS

Scale:
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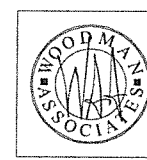
Contributor:

Project No:
17004.00

Drawn by:
CKN

Checked by:

Revised:



3.3

Drawing No.

SOLID STATE BOLLARDS
BRA SERIES-LED
SPECIFICATIONS

BOLLARD
 Durable corrosion resistant extruded and cast aluminum construction. 3" wall thickness.

LED POWER ARRAY
 Three-dimensional array consisting of 6 individual LED tubes for the BDA3 model and 4 individual LED tubes for the BDA4 model, which are fastened to a retaining plate equally spaced to provide 360° of even illumination output. Each LED tube consists of a circuit board populated with a multiple of LEDs which is fastened to a radial aluminum heat sink. A white polycarbonate lens and cap protect each LED tube's internal components and provides diffusion to prevent shadowing and glare.

INTERNAL LOUVER (IL) - A special louver stock conceals the inner LED Power Array Module and provides upright and glare control through the external clear polycarbonate lens.

CAST LOUVER (CL) - External cast aluminum louver stock protects the internal LED Power Array Module and provides upright and glare control. An internal clear polycarbonate lens is integrated with the LED Power Array Module.

OPAL LENS (WL) - Exterior white polycarbonate lens protects the internal LED Power Array Module and provides a uniform white glow.

RADIAL LED MODULE
 LED's are mounted to a circular heat sink in a radial array. The radial LED module is concealed in the cap of the bollard. LED's do not directly view from angles above 90°.

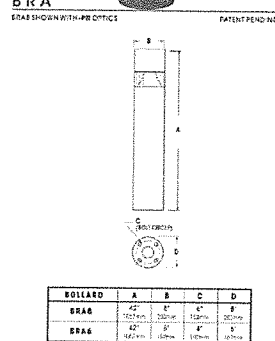
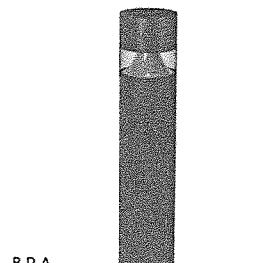
PARABOLIC REFLECTOR (PR) - A specular parabolic reflector reflects a portion of the distribution from the radial LED module and provides a uniform wide angle throw through the outer clear polycarbonate lens.

LED FINISHES
 High Output LED's are driven at 350mA for nominal 1 Watt output each. 70CRI Minimum. LED's are available in standard Neutral White (5000K), or optional Cool White (5000K) or Warm White (3000K). Consult factory for other LED options.

LED DRIVERS
 UL and CUL recognized Constant Current LED drivers operate on input voltage from 120-277VAC, 50/60Hz. Consult factory for (347-480VAC). Driver is mechanically fastened to a retaining bracket. Driver has a minimum 20KV internal surge protection, 10KV & 20KV Surge Protector optional. Dimmable and High/Low Driver options available.

POWERS
 Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

PROJECT NAME: _____
 FIXTURE TYPE: _____



BOLLARD	A	B	C	D
BRAB	42"	8"	4"	8"
BRAB	42"	8"	4"	8"

U.S. Architectural Lighting
 U.S. ARCHITECTURAL LIGHTING
 2018214

1 BOLLARD LIGHT

BRA SERIES-LED

INSTALLATION

OPTICS

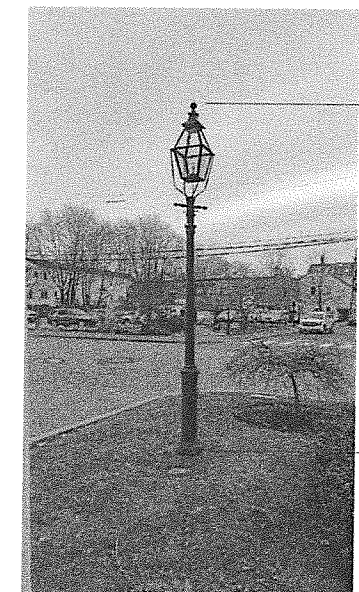
- INTERNAL LOUVER (IL)
- CAST LOUVER (CL)
- OPAL POLYCARBONATE (WA)
- PARABOLIC REFLECTOR (PR)

Notes: *Notes regarding in use, optional optics features and other fasteners must be protected from the ground.

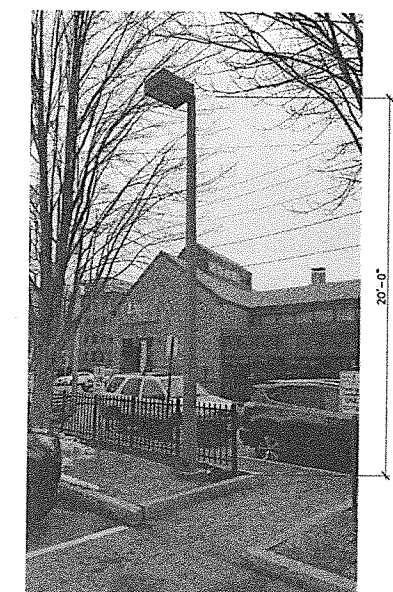
BOLLARD	OPTICS	LED	MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> BRAB-LED	<input type="checkbox"/> INTERNAL LOUVER (IL)	<input type="checkbox"/> 3500K	<input type="checkbox"/> STANDARD INSTALLATION (30' MIN)	<input type="checkbox"/> BLACK POLYESTER POWDER COAT	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)
<input type="checkbox"/> BRAB-LED	<input type="checkbox"/> CAST LOUVER (CL)	<input type="checkbox"/> 5000K	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)	<input type="checkbox"/> WHITE POLYESTER POWDER COAT	<input type="checkbox"/> OPAL POLYCARBONATE (WA)
<input type="checkbox"/> BRAB-LED	<input type="checkbox"/> OPAL POLYCARBONATE (WA)	<input type="checkbox"/> 3000K	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)	<input type="checkbox"/> GREEN POLYESTER POWDER COAT	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)
<input type="checkbox"/> BRAB-LED	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)	<input type="checkbox"/> 5000K	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)	<input type="checkbox"/> RED POLYESTER POWDER COAT	<input type="checkbox"/> PARABOLIC REFLECTOR (PR)

U.S. Architectural Lighting
 U.S. ARCHITECTURAL LIGHTING

2 BOLLARD LIGHT



3 DECORATIVE POLE LIGHT



4 PARKING LOT POLE LIGHT

U.S. ARCHITECTURAL LIGHTING
 No. 5731
 MADE IN USA

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SITE LIGHTING

Scale:
NTS

Date:
1/6/20

Drawn by:
CKN

Checked by:

Project No.
17004.00

Drawn by:
CKN

Checked by:

Previous:



4.1
 Drawing No.