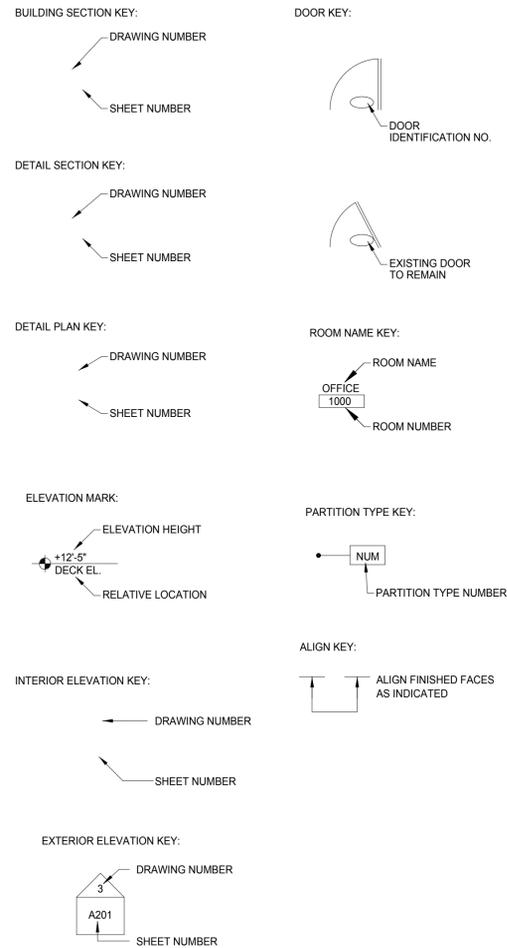
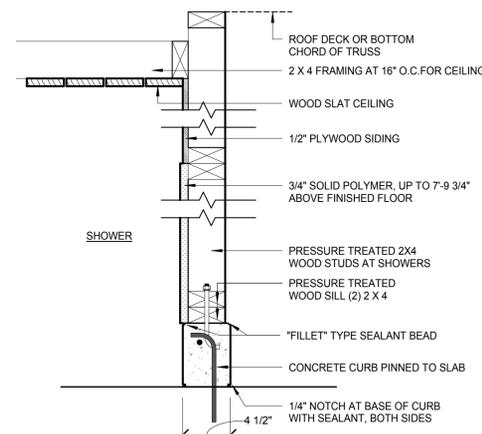
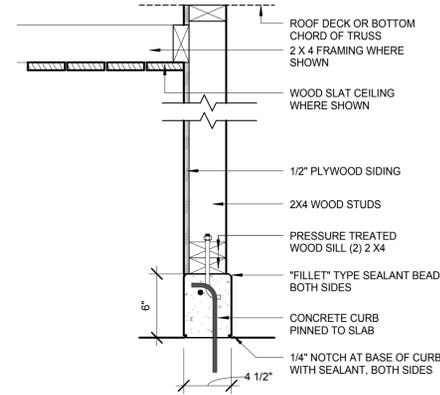
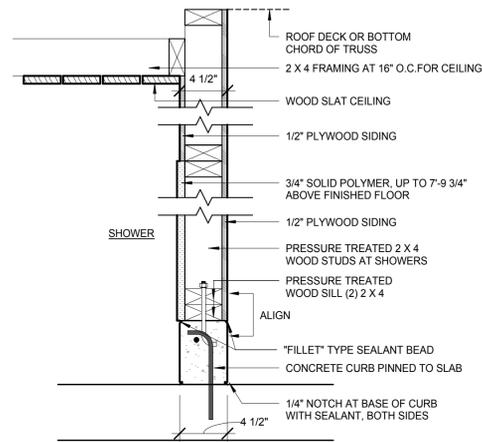
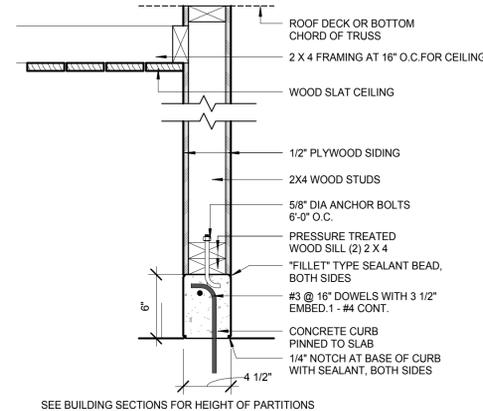


SYMBOLS



PARTITION TYPES



GENERAL NOTES

- GENERAL NOTES**
1. ALL INTERIOR PLYWOOD SIDING TO BE PAINTED. SEE SPECIFICATIONS FOR PANEL TYPE AND PAINT TYPES
 2. ALL INTERIOR CONCRETE SLABS TO BE SEALED
 3. ALL INTERIOR WOOD SIDING, SHINGLES, AND ASSOCIATED TRIM TO BE STAINED
 4. ALL INTERIOR WOOD WALL OR CEILING SLATS TO BE CLEAR PRESERVATIVE TREATED
 5. PROVIDE ALL MISCELLANEOUS BLOCKING REQUIRED FOR MOUNTED ACCESSORIES
 6. ALL WOOD STUDS SPACED A MAXIMUM OF 16" ON CENTER
 7. WALL REINFORCEMENT SHOWN AT WALL BASE IS TYPICAL FOR ALL PARTITION TYPES
 8. ALL EXPOSED TRUSSES TO STAINED

ARCHITECT

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PROJECT NAME

**Veterans Memorial Pool
Patton Park**

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REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE

**SYMBOLS,
PARTITION
TYPES AND
DETAILS**

DRAWING INFORMATION

10/15/2015	DATE OF ISSUE
DESCRIPTION	
1/16" = 1'-0"	JWP DRAWN BY
SCALE	
3223	3223_Patton_Pool.rvt
PROJECT #	FILE NAME

DRAWING NUMBER

A001

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LEGEND:

-  TREE
-  WATER GATE
-  HYDRANT
-  SIGN
-  CLEANOUT
-  ELECTRIC METER
-  SEWER/SEPTIC MANHOLE

ABBREVIATIONS:

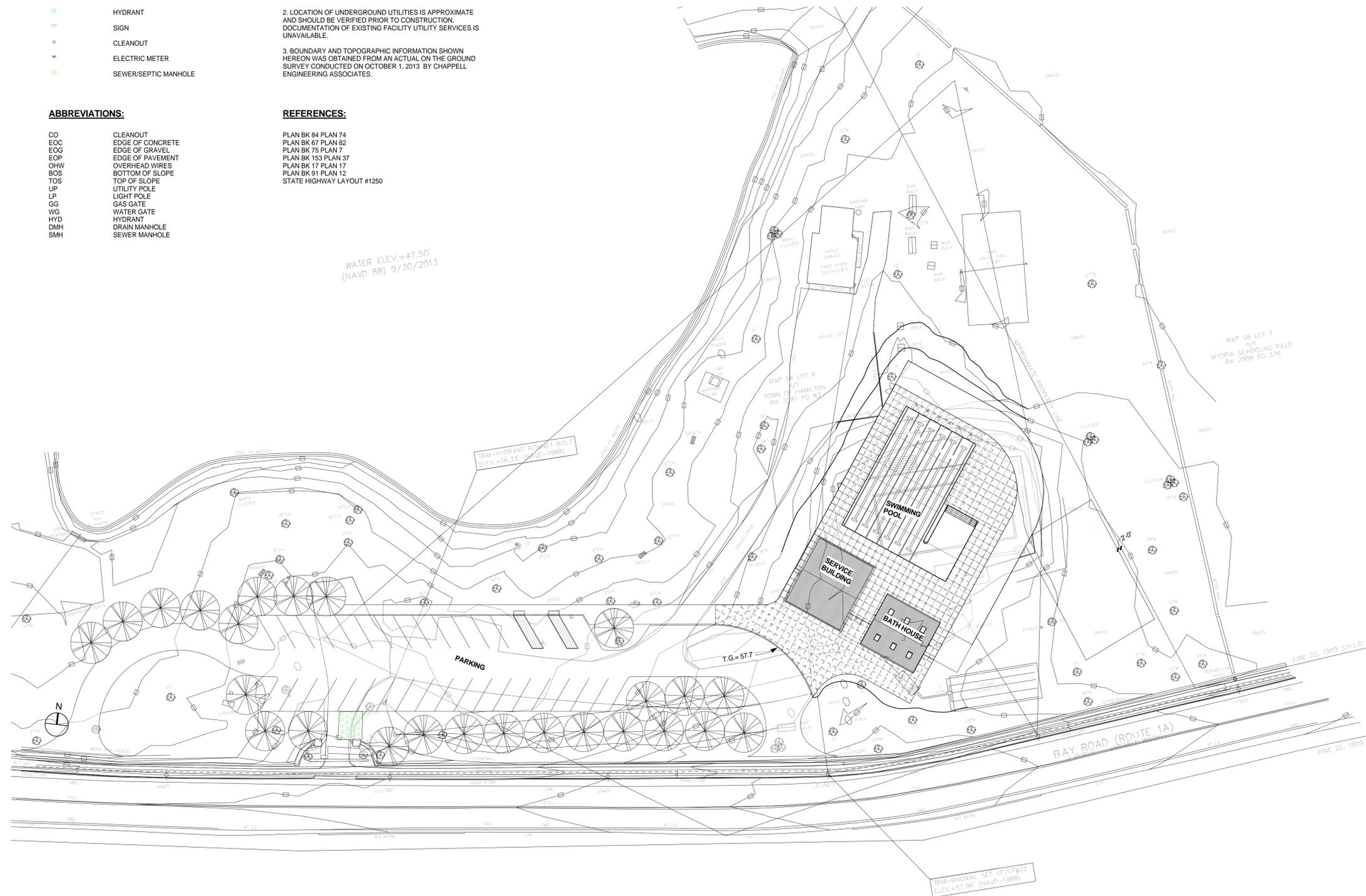
- CO CLEANOUT
- EOC EDGE OF CONCRETE
- EOG EDGE OF GRAVEL
- EOP EDGE OF PAVEMENT
- OHV OVERHEAD WIRES
- BOS BOTTOM OF SLOPE
- TOS TOP OF SLOPE
- UP UTILITY POLE
- LP LIGHT POLE
- GG GAS GATE
- WG WATER GATE
- HYD HYDRANT
- DMH DRAIN MANHOLE
- SMH SEWER MANHOLE

NOTES:

1. THE INTENT OF THIS PLAN IS TO DOCUMENT THE EXISTING CONDITIONS OF THE PATTON PARK POOL FACILITY AND PARKING AREA PRIOR TO DESIGN AND RE-CONSTRUCTION.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION. DOCUMENTATION OF EXISTING FACILITY UTILITY SERVICES IS UNAVAILABLE.
3. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM AN ACTUAL ON THE GROUND SURVEY CONDUCTED ON OCTOBER 1, 2013 BY CHAPPELL ENGINEERING ASSOCIATES.

REFERENCES:

- PLAN BK 84 PLAN 74
- PLAN BK 67 PLAN 82
- PLAN BK 75 PLAN 7
- PLAN BK 153 PLAN 37
- PLAN BK 17 PLAN 17
- PLAN BK 91 PLAN 12
- STATE HIGHWAY LAYOUT #1250



REVISIONS

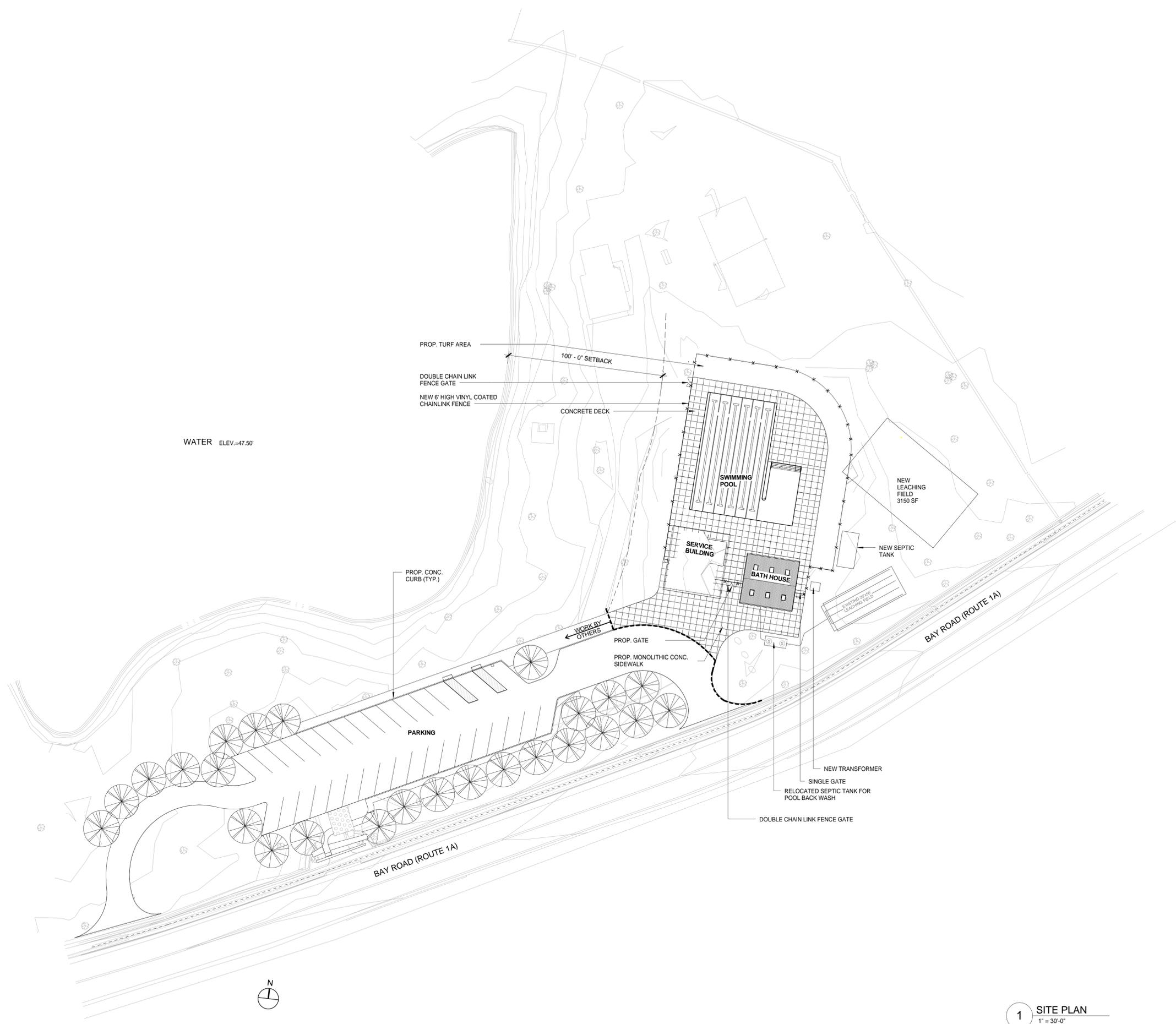
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DRAWING TITLE
**EXISTING CONDITIONS
 PLAN**

DRAWING INFORMATION

10/15/2015	DATE OF ISSUE
As Indicated	Author
SCALE	DRAWN BY
3223	PROJECT #
3223_Patton Pool.rvt	FILE NAME

DRAWING NUMBER
A002



REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE
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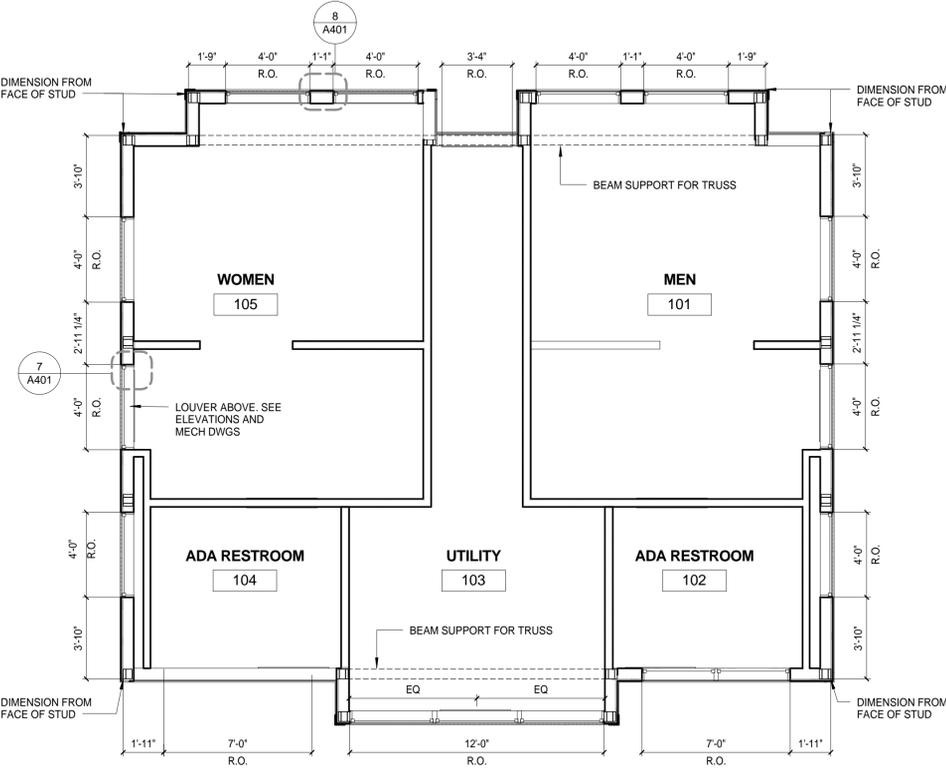
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DATE OF ISSUE	DESCRIPTION	Author	Drawn By
10/15/2015			

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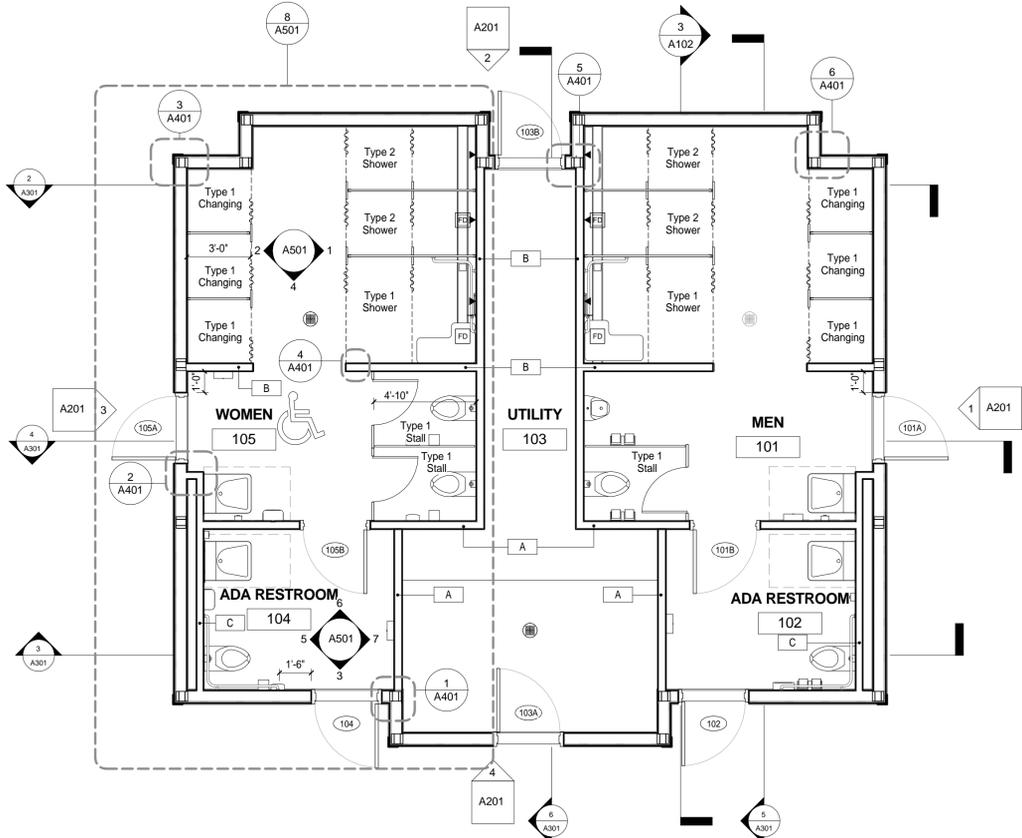
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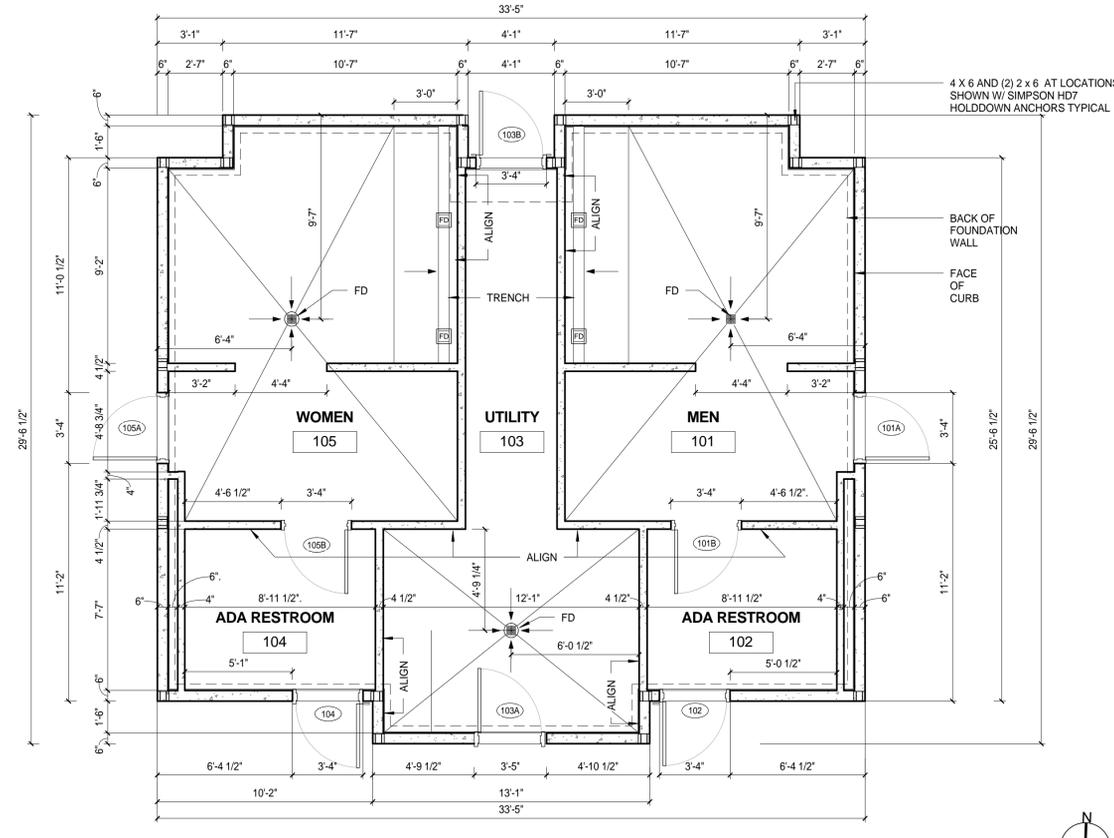
2 BATH HOUSE CLEARSTORY PLAN
1/4" = 1'-0"



1 BATH HOUSE REFLECTED CEILING PLAN
1/4" = 1'-0"



4 BATH HOUSE FLOOR PLAN
1/4" = 1'-0"



3 BATH HOUSE CURB PLAN
1/4" = 1'-0"

GENERAL NOTES

REFLECTED CEILING PLAN LEGEND AND NOTE

- WOOD SLAT CEILING
- UNDERSIDE OF ROOF DECK
- PENDANT / CHAIN MOUNTED LIGHT FIXTURE
- CEILING MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- PENDANT MOUNTED DOWNLIGHT
- RECESSED DOWNLIGHT
- EMERGENCY LIGHTING BATTERY PACK
- WALL MOUNTED LIGHT FIXTURE

KEY PLAN

ARCHITECT
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PROJECT NAME
**Veterans Memorial Pool
Patton Park**

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Sudbury, Massachusetts 01776

REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE
**BATH HOUSE
PLANS**

DRAWING INFORMATION

10/15/2015
DATE OF ISSUE

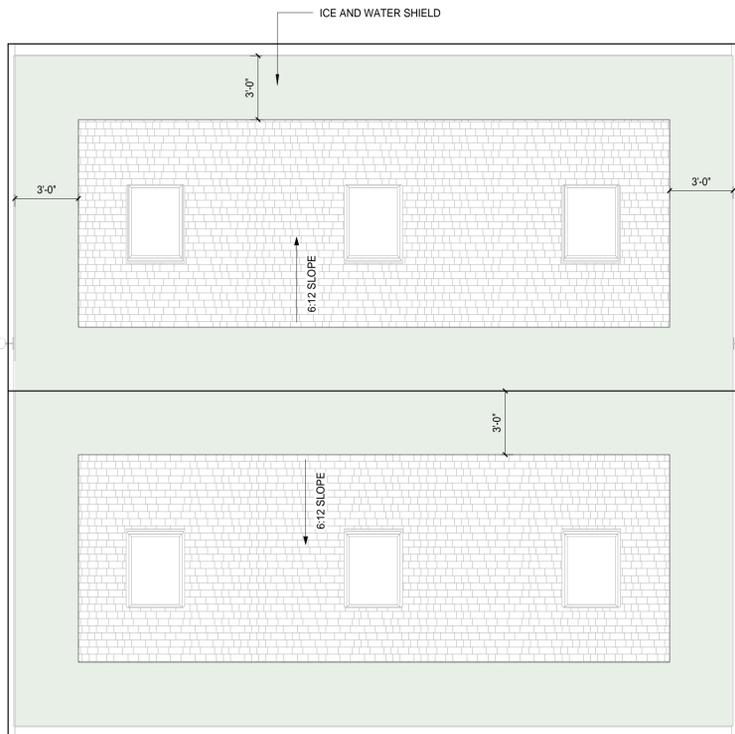
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1/4" = 1'-0" Author
SCALE DRAWN BY
3119 PROJECT # 3223 Patton Pool.rvt
FILE NAME

DRAWING NUMBER

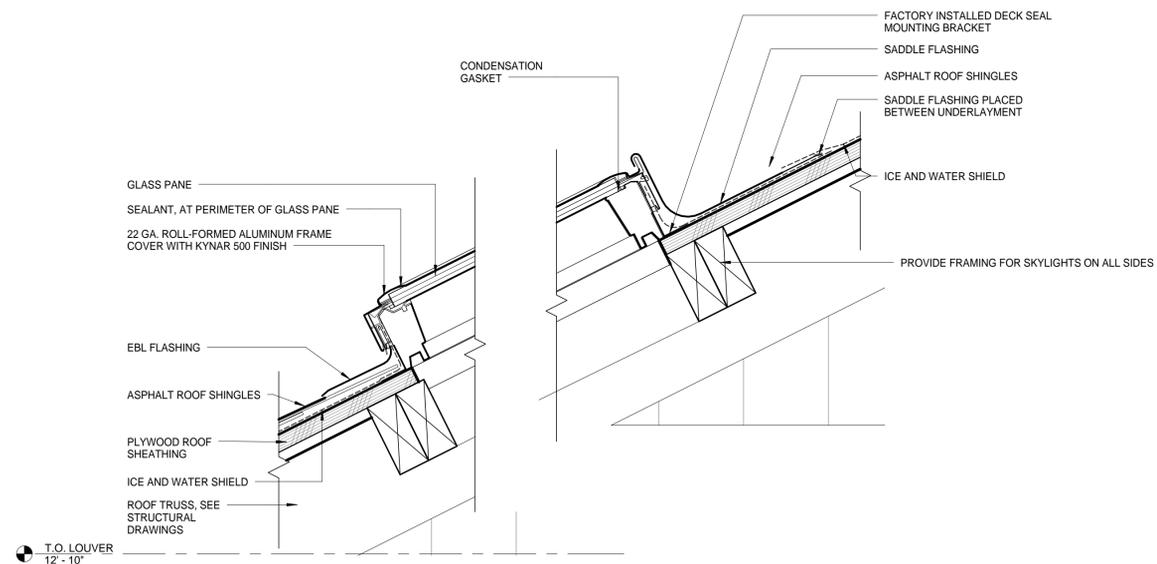
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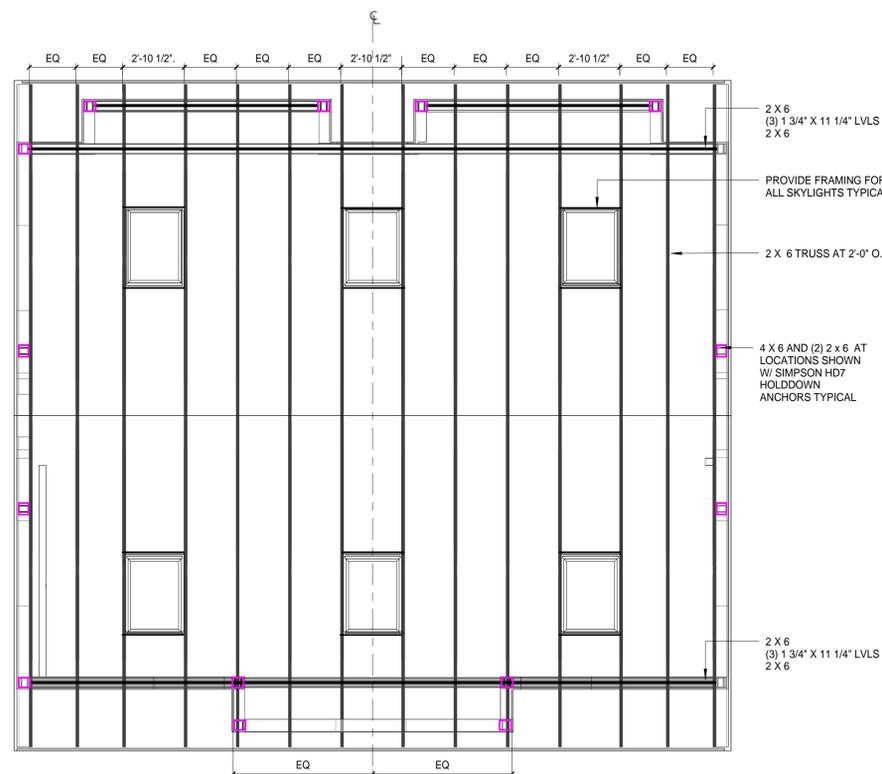
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DESCRIPTION	
As Indicated SCALE	Author DRAWN BY
3119 PROJECT #	3223_Patton_Pool.rvt FILE NAME



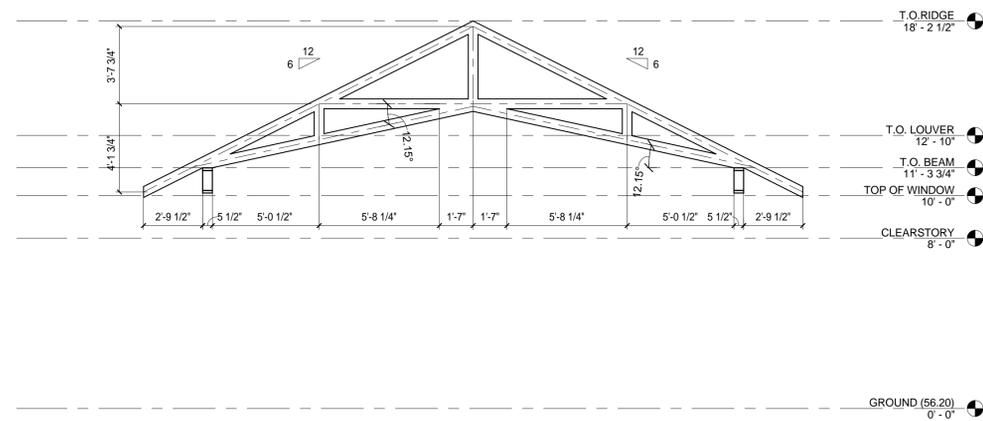
1 BATH HOUSE ROOF PLAN
1/4" = 1'-0"



2 SECTION AT SKYLIGHT
3" = 1'-0"



4 FRAMING PLAN
1/4" = 1'-0"



3 BATHHOUSE TRUSS ELEVATION
1/4" = 1'-0"

GENERAL NOTES

ARCHITECT

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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

**BATH HOUSE
EXTERIOR
ELEVATIONS**

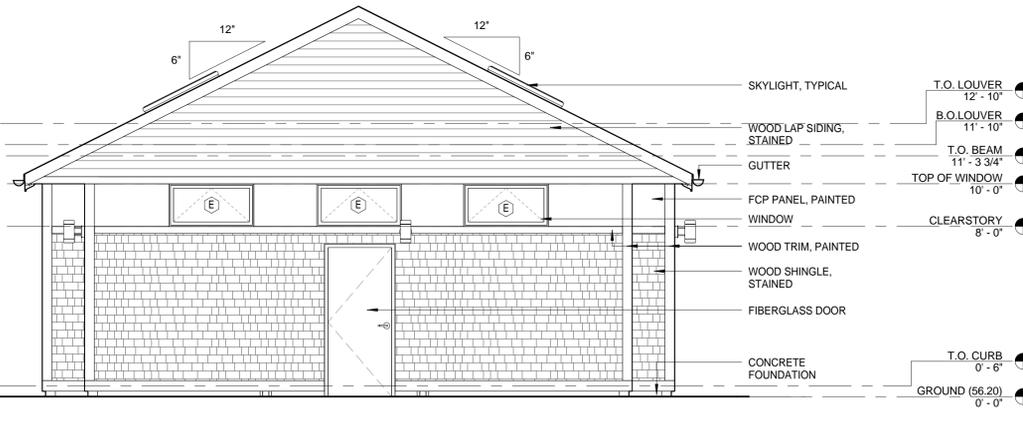
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DATE OF ISSUE	DESCRIPTION	Author	Drawn By
10/15/2015			

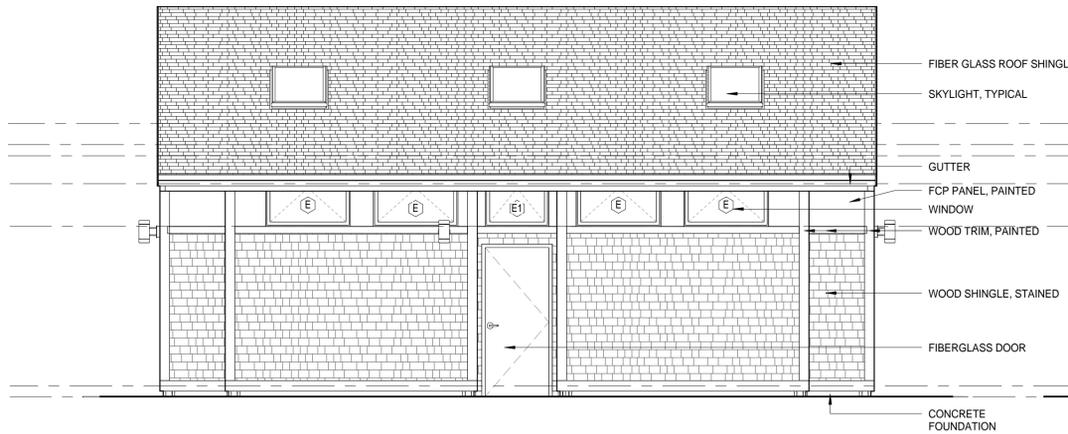
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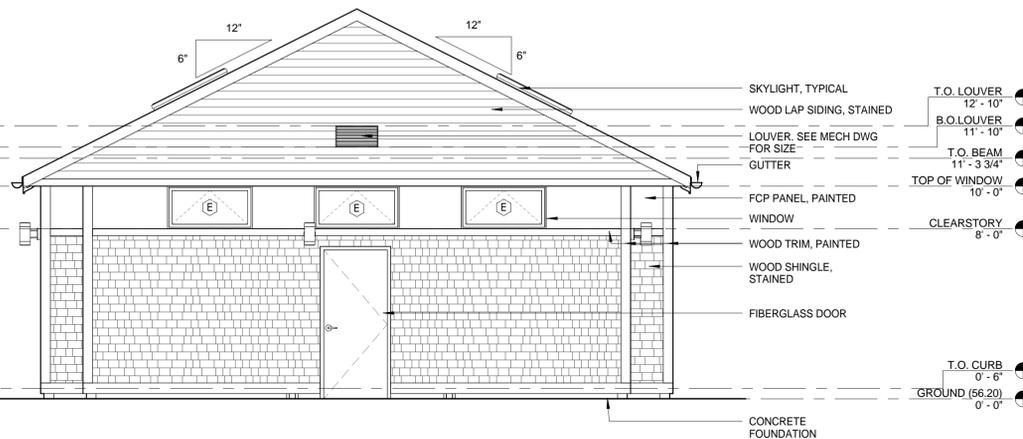
Copyright BH+A, Inc.



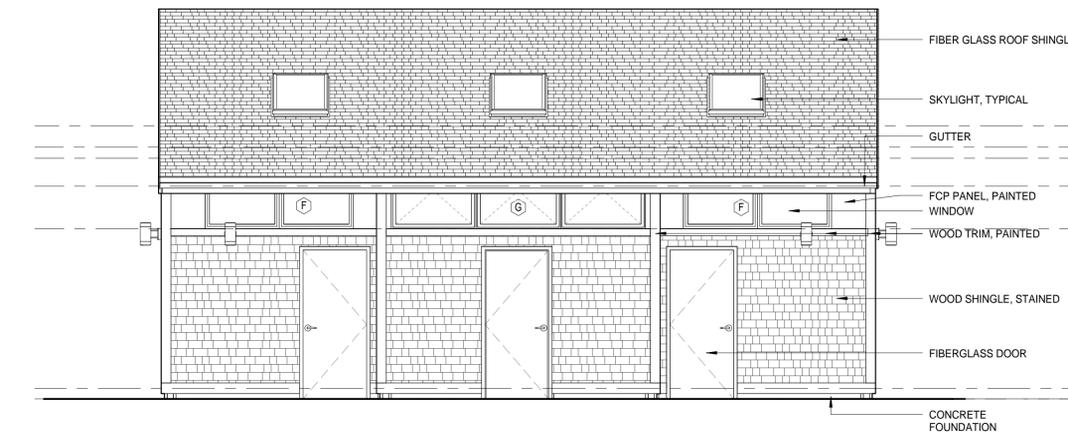
1 BATH HOUSE EAST ELEVATION
1/4" = 1'-0"



2 BATH HOUSE NORTH ELEVATION
1/4" = 1'-0"



3 BATH HOUSE WEST ELEVATION
1/4" = 1'-0"



4 BATH HOUSE SOUTH ELEVATION
1/4" = 1'-0"

GENERAL NOTES

ARCHITECT

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REVISIONS

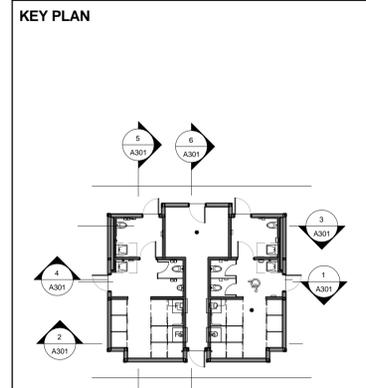
NO.	DATE	DESCRIPTION

DRAWING TITLE

**BATH HOUSE
BUILDING
SECTIONS**

DRAWING INFORMATION

KEY PLAN



10/15/2015

DATE OF ISSUE

DESCRIPTION

As Indicated

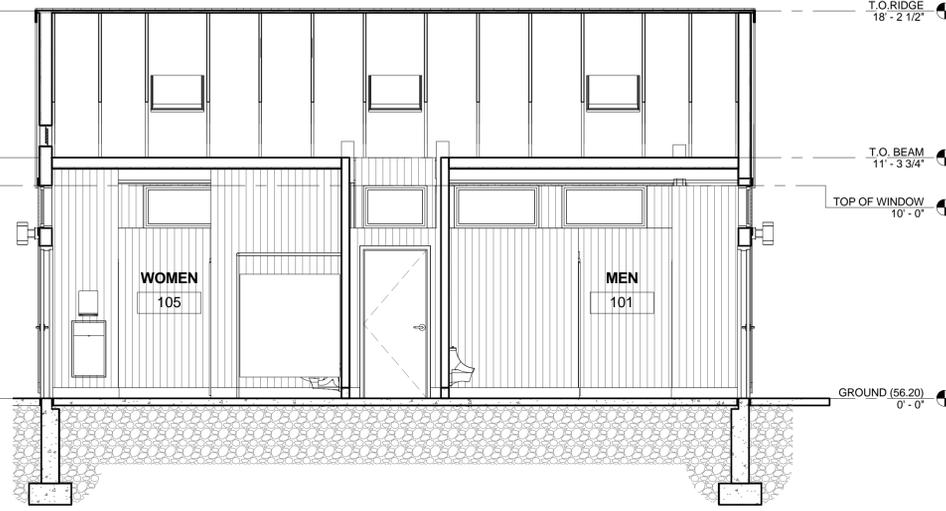
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PROJECT #

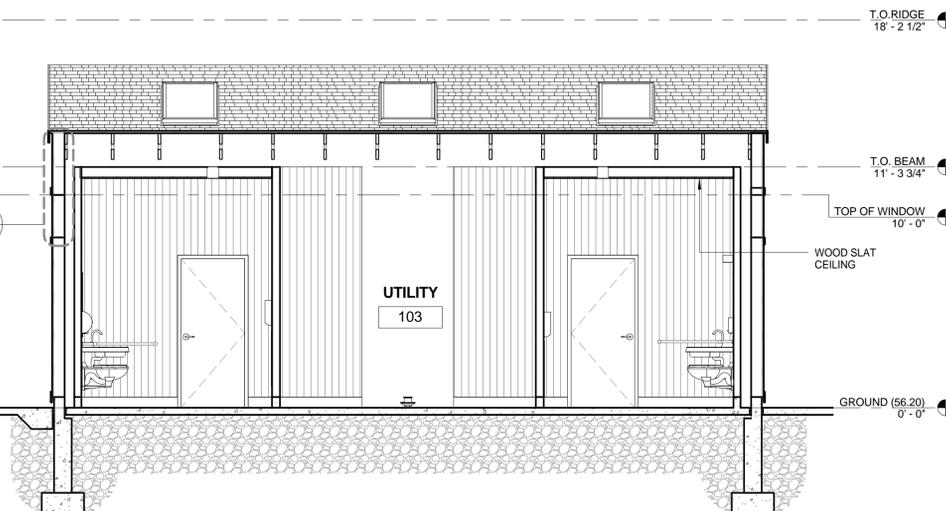
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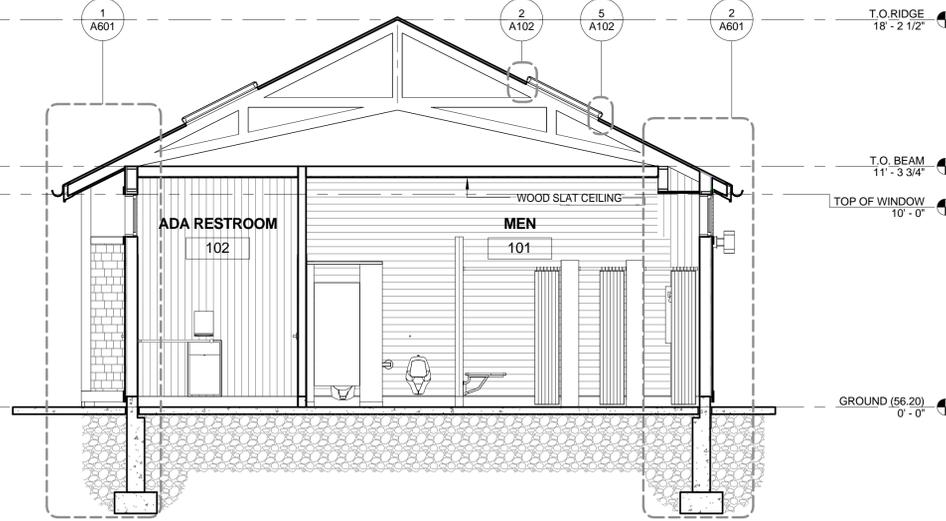
Copyright BH+A, Inc.



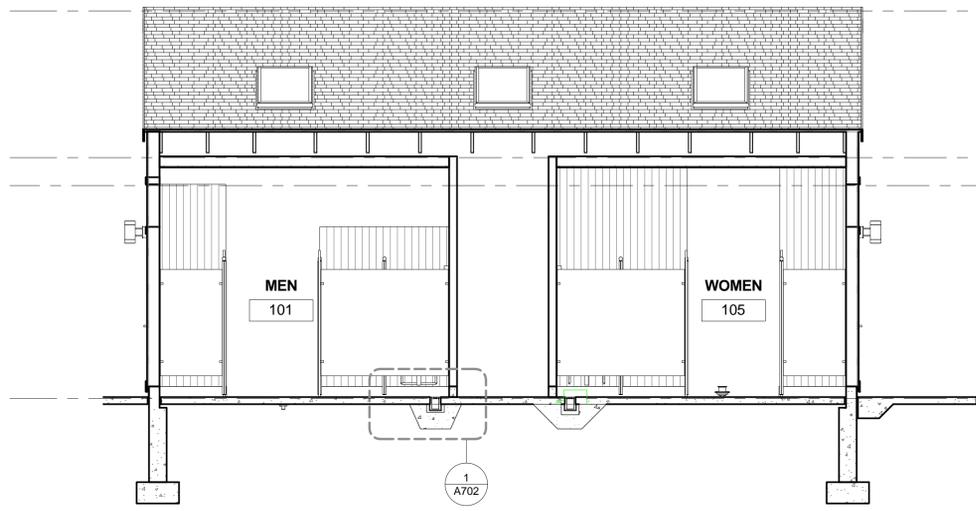
1 BATHHOUSE SECTION 2
1/4" = 1'-0"



3 BATHHOUSE SECTION 3
1/4" = 1'-0"



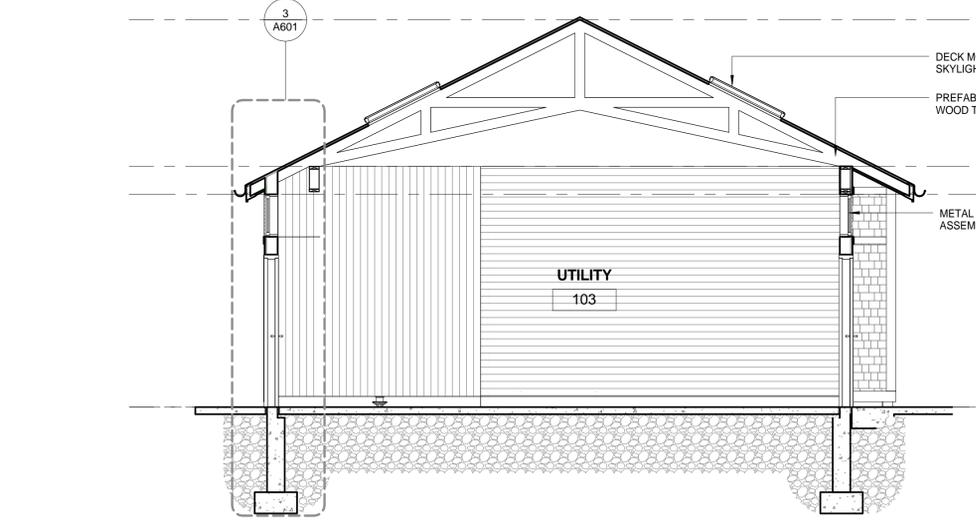
5 BATHHOUSE SECTION 5
1/4" = 1'-0"



2 BATHHOUSE SECTION 1
1/4" = 1'-0"



4 BATHHOUSE SECTION 4
1/4" = 1'-0"



6 BATHHOUSE SECTION 6
1/4" = 1'-0"

D:\Local Revit\3223 BATHHOUSE New Scheme_A\Save\mryan.rvt
10/15/2015 6:21:22 PM Author

GENERAL NOTES

1. SERVICE BUILDING PLAN DETAILS ARE SIMILAR

ARCHITECT

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PROJECT NAME

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Patton Park**

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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

**BATH HOUSE
PLAN DETAILS**

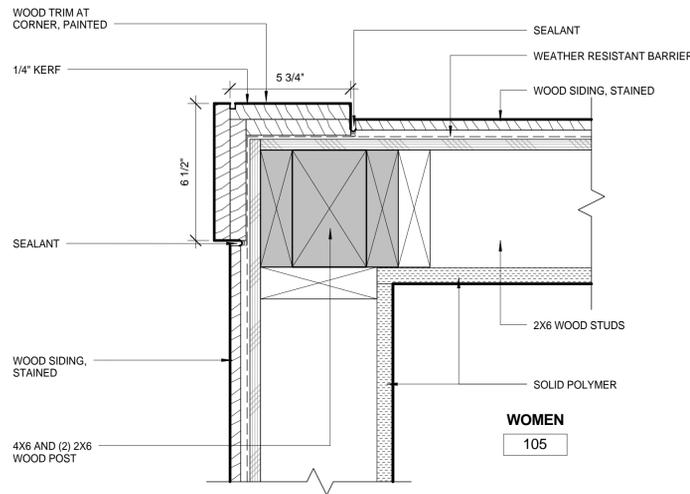
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10/15/2015	DATE OF ISSUE
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Author	DRAWN BY
3119	PROJECT #
3223_Patton Pool.rvt	FILE NAME

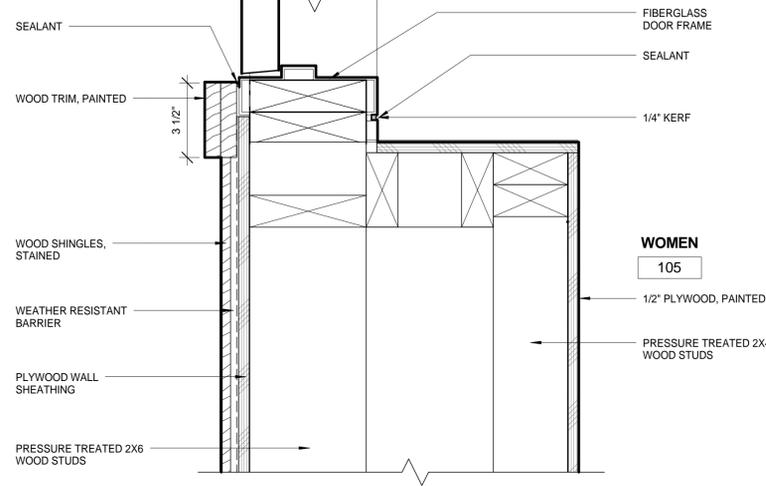
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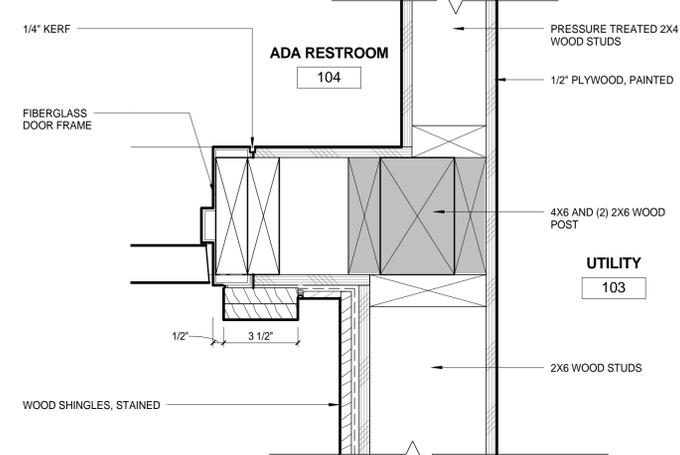
Copyright BH+A, Inc.



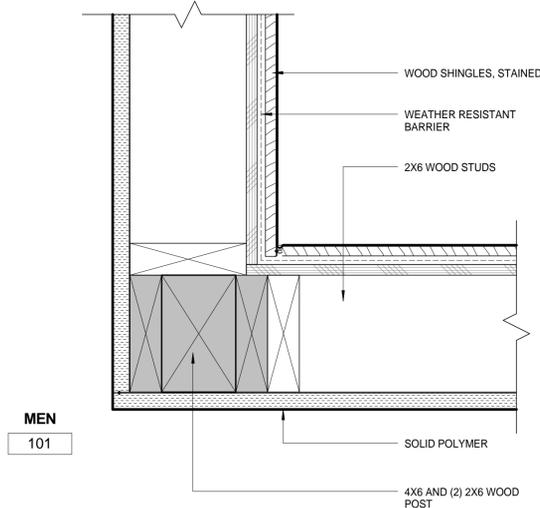
3 BATHHOUSE PLAN DETAIL AT OUTSIDE CORNER
3" = 1'-0"



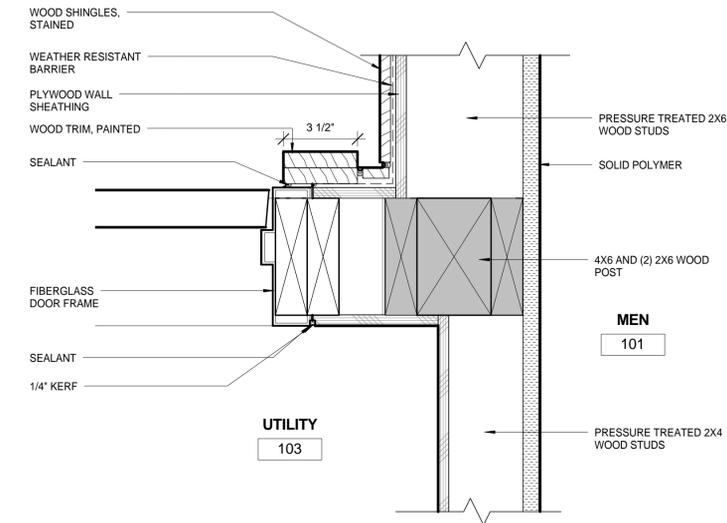
2 BATHHOUSE -PLAN DETAIL AT CHASE WALL
3" = 1'-0"



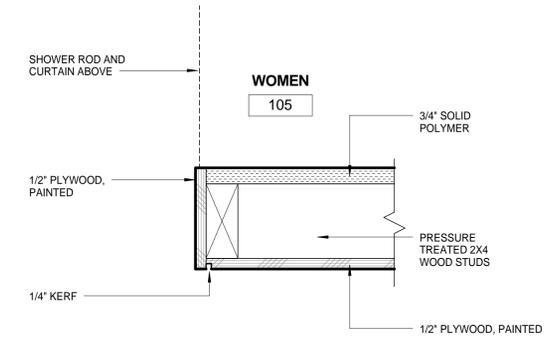
1 BATH HOUSE PLAN DETAIL AT DOOR JAMB
3" = 1'-0"



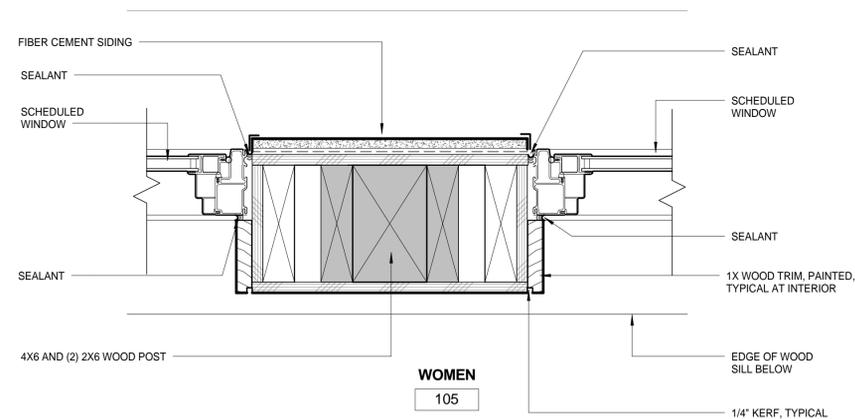
6 BATH HOUSE - PLAN DETAIL AT INSIDE CORNER
3" = 1'-0"



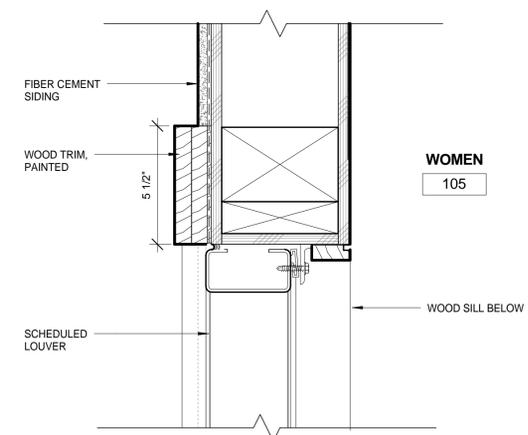
5 BATH HOUSE PLAN DETAIL AT DOOR JAMB AND CHASE WALL
3" = 1'-0"



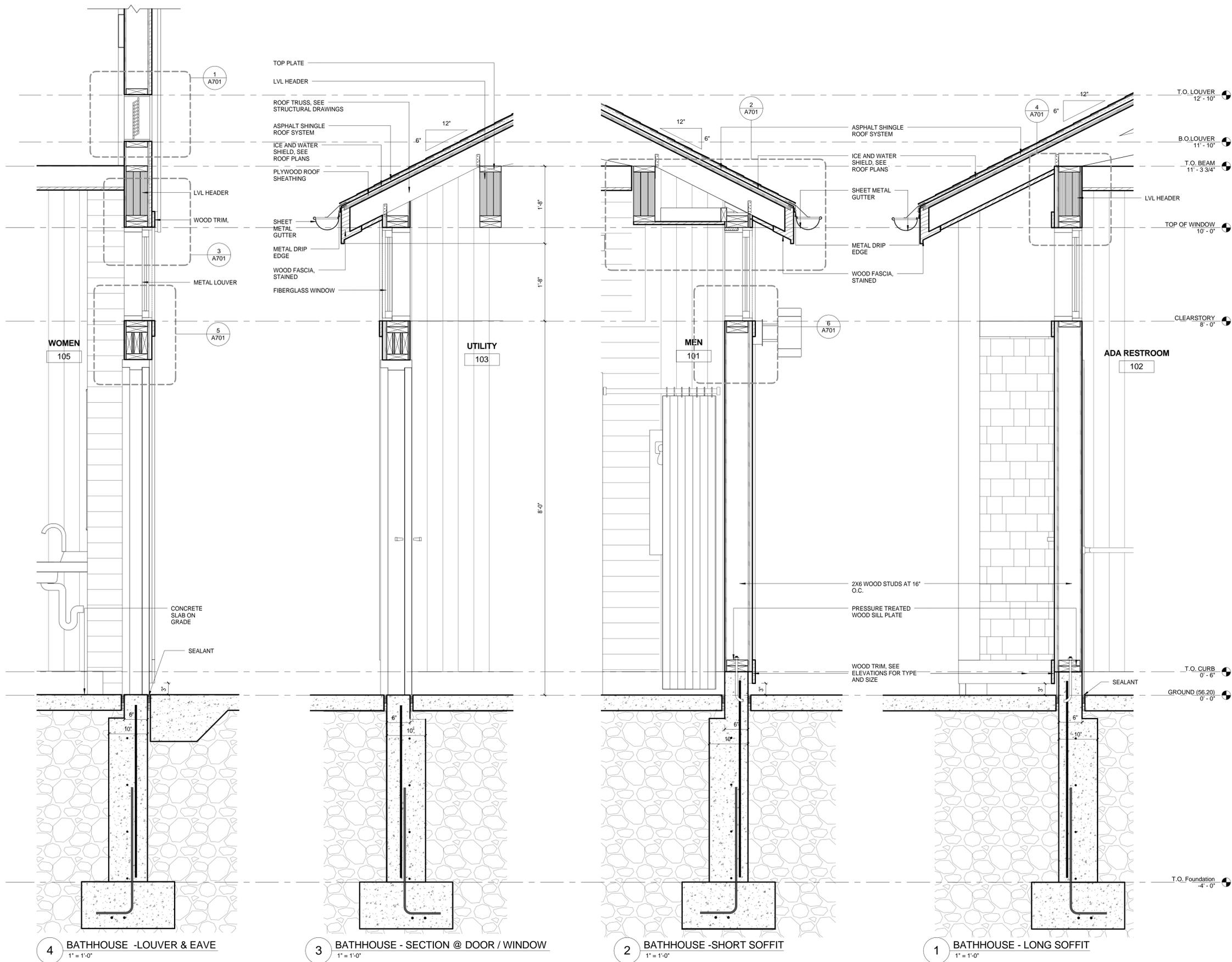
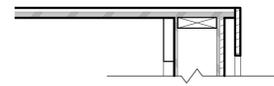
4 BATHHOUSE PLAN DETAIL END OF SHOWER WALL
3" = 1'-0"



8 JAMB DETAIL AT WINDOW
3" = 1'-0"



7 DETAIL JAMB AT LOUVER / WINDOW
3" = 1'-0"



GENERAL NOTES

KEY PLAN

ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE

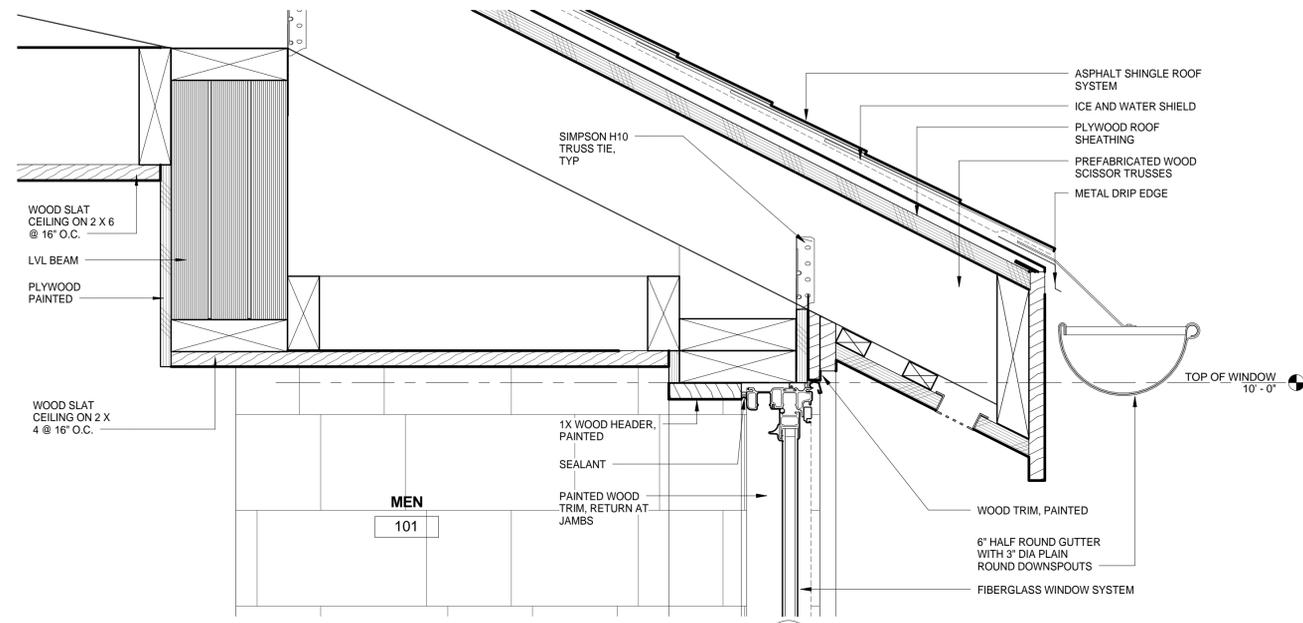
**BATH HOUSE
WALL
SECTIONS**

DRAWING INFORMATION

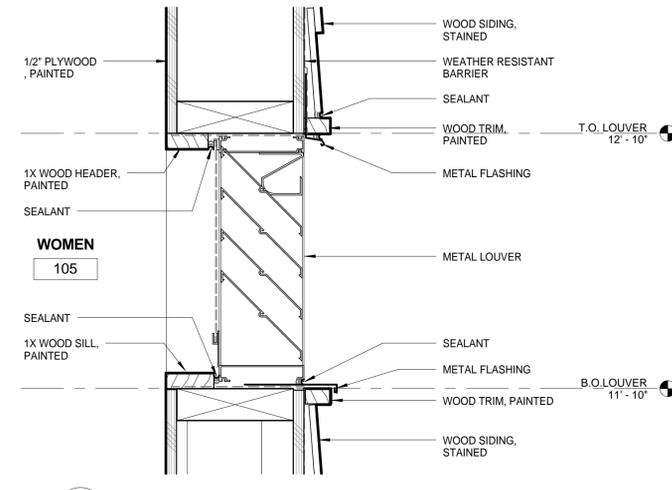
10/15/2015	DATE OF ISSUE
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Author	DRAWN BY
3119	PROJECT #
3223_Patton Pool.rvt	FILE NAME

DRAWING NUMBER

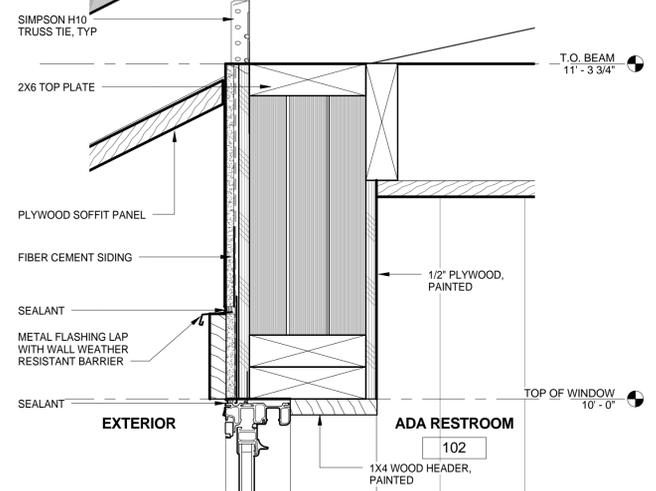
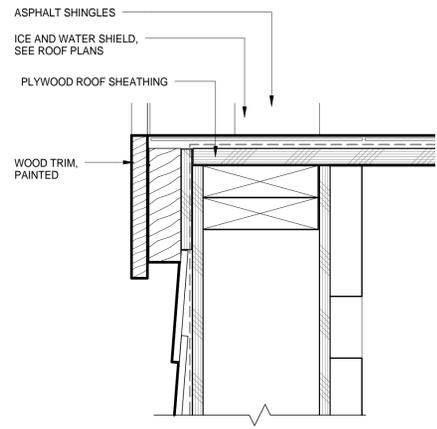
A601



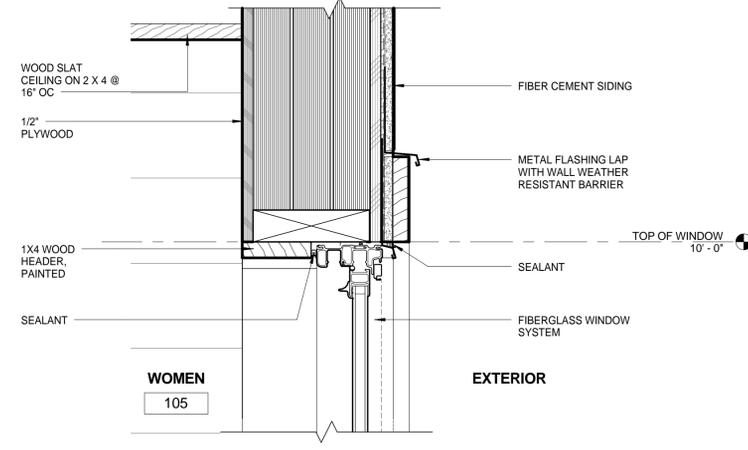
2 TYPICAL SECTION AT EAVE
3" = 1'-0"



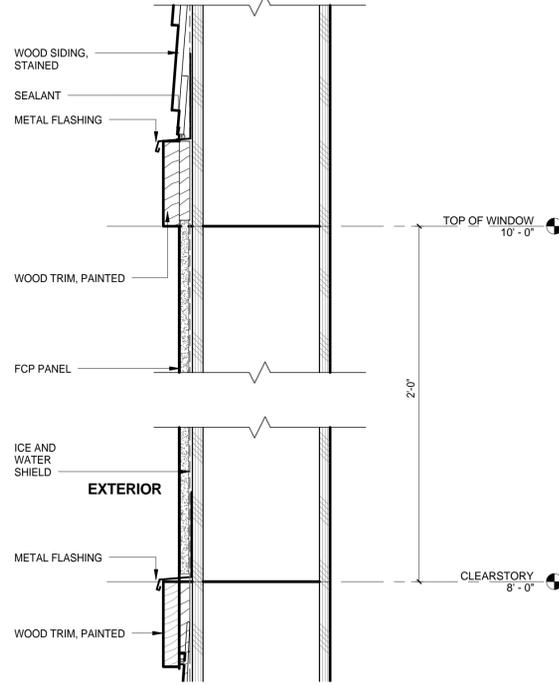
1 LOUVER SECTION DETAIL
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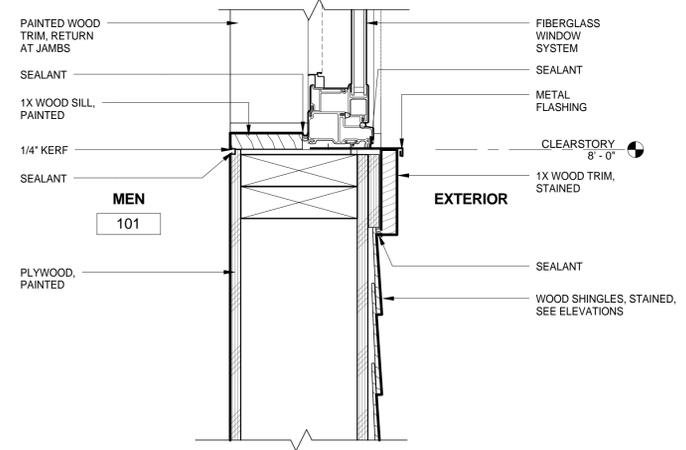
4 BATHHOUSE WALL SECTION AT WINDOW AND BEAM
3" = 1'-0"



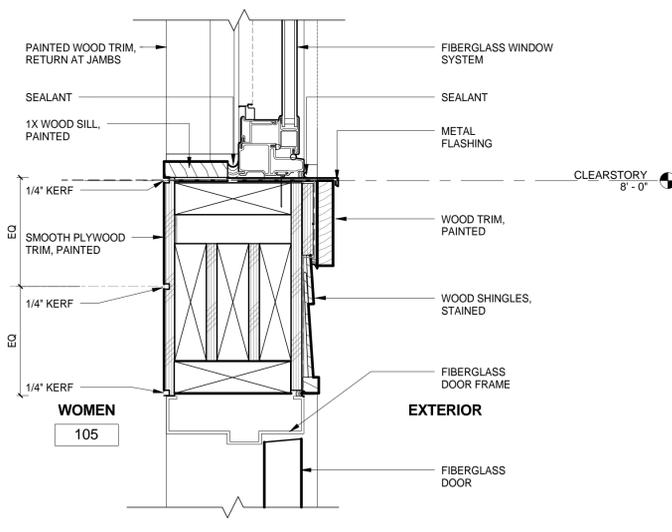
3 HEAD DETAIL AT LOUVER
3" = 1'-0"



7 BATHHOUSE SECTION AT FCP PANEL
3" = 1'-0"



6 SILL DETAIL AT DOUBLE HUNG WINDOW
3" = 1'-0"



5 HEAD SILL DETAIL
3" = 1'-0"

GENERAL NOTES

KEY PLAN

ARCHITECT
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REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE
**BATH HOUSE
 SECTION
 DETAILS**

DRAWING INFORMATION

10/15/2015
 DATE OF ISSUE

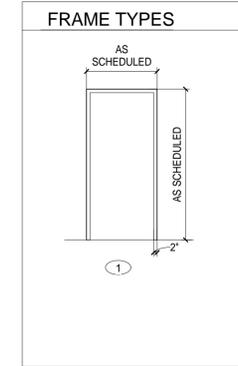
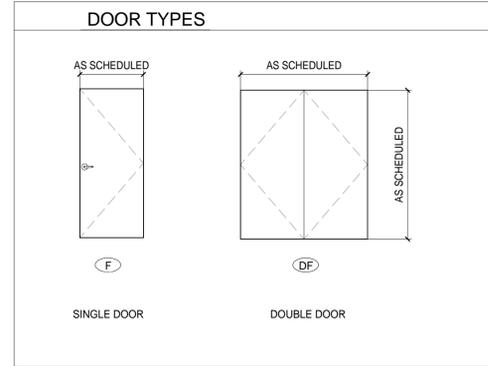
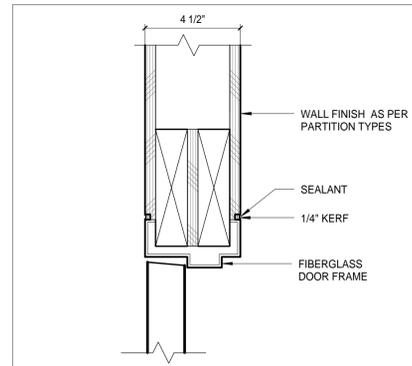
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 3119 PROJECT # 3223 Patton Pool Int
 FILE NAME

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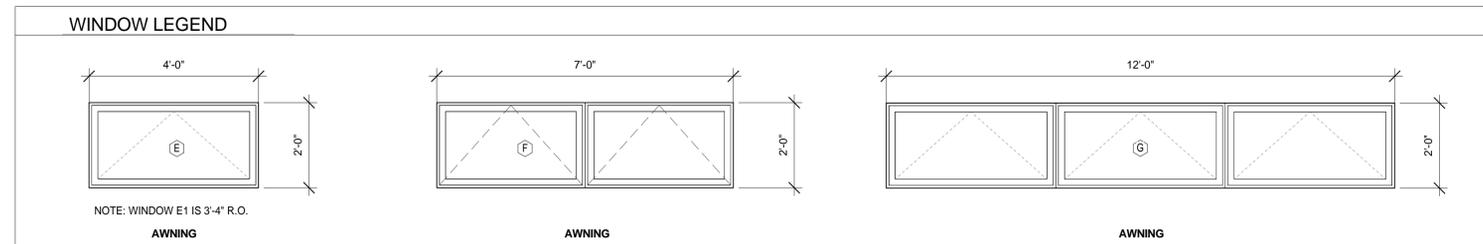
A701

Mark	From Room		To Room		Door				Fire Rating	Jamb		Jamb Detail	Head Detail	Hardware	Comments	
	Number	Name	Number	Name	Type	Width	Height	Material		Finish	Type					Material
101A	101	MEN	EX	EXTERIOR	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-2	H-2	C
101B	101	MEN	102	ADA RESTROOM	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-1	H-1	C
102	102	ADA RESTROOM	EX	EXTERIOR	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-2	H-2	C
103A	EX	EXTERIOR	103	UTILITY	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-2	H-2	C
103B	103	UTILITY	EX	EXTERIOR	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-2	H-2	C
104	104	ADA RESTROOM	EX	EXTERIOR	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-2	H-2	C
105A	105	WOMEN	EX	EXTERIOR	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-2	H-2	C
105B	105	WOMEN	104	ADA RESTROOM	F	3'-0"	7'-0"	FIBERGLASS	GELCOAT	-	1	FIBERGLASS	GELCOAT	J-1	H-1	C

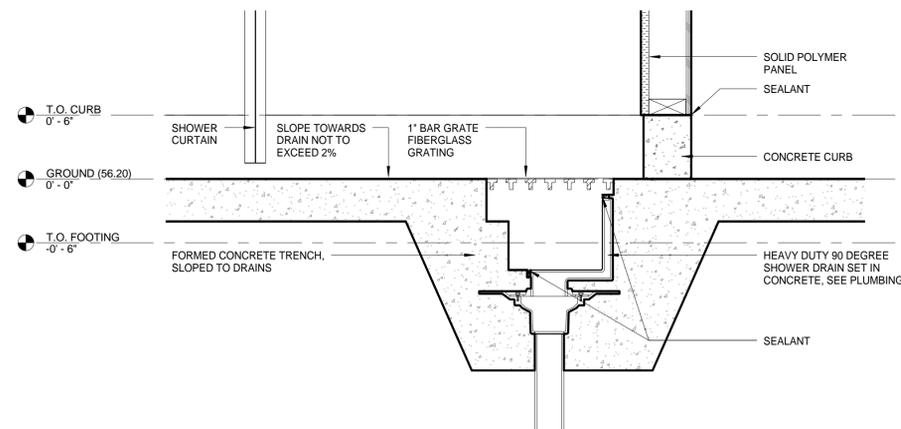
NOTE: SEE WALL SECTIONS AND PLAN DETAILS, FOR EXTERIOR DOOR HEAD AND JAMB DETAILS (H2 AND J2)



H1 /J1 INTERIOR DOOR HEAD AND JAMB
3" = 1'-0"



NOTE: SEE WALL SECTIONS AND PLAN DETAILS, FOR EXTERIOR WINDOW HEAD AND JAMB DETAILS



1 BATHHOUSE TRENCH DRAIN
1 1/2" = 1'-0"

NO.	DATE	DESCRIPTION

10/15/2015 DATE OF ISSUE	Author DRAWN BY
As Indicated SCALE	Author DRAWN BY
3119 PROJECT #	3223_Patton Pool.rvt FILE NAME

GENERAL NOTES

NOTE: RESTROOM MOUNTING HEIGHTS ARE SIMILAR TO THOSE INDICATED IN BATH HOUSE DRAWINGS

REFLECTED CEILING PLAN LEGEND AND NOTE

SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION.

-  WOOD SLAT CEILING
-  UNDERSIDE OF ROOF DECK
-  PENDANT / CHAIN MOUNTED LIGHT FIXTURE
-  CEILING MOUNTED LIGHT FIXTURE
-  WALL MOUNTED LIGHT FIXTURE
-  WALL MOUNTED LIGHT FIXTURE
-  PENDANT MOUNTED DOWNLIGHT
-  RECESSED DOWNLIGHT
-  EMERGENCY LIGHTING BATTERY PACK
-  WALL MOUNTED LIGHT FIXTURE

REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

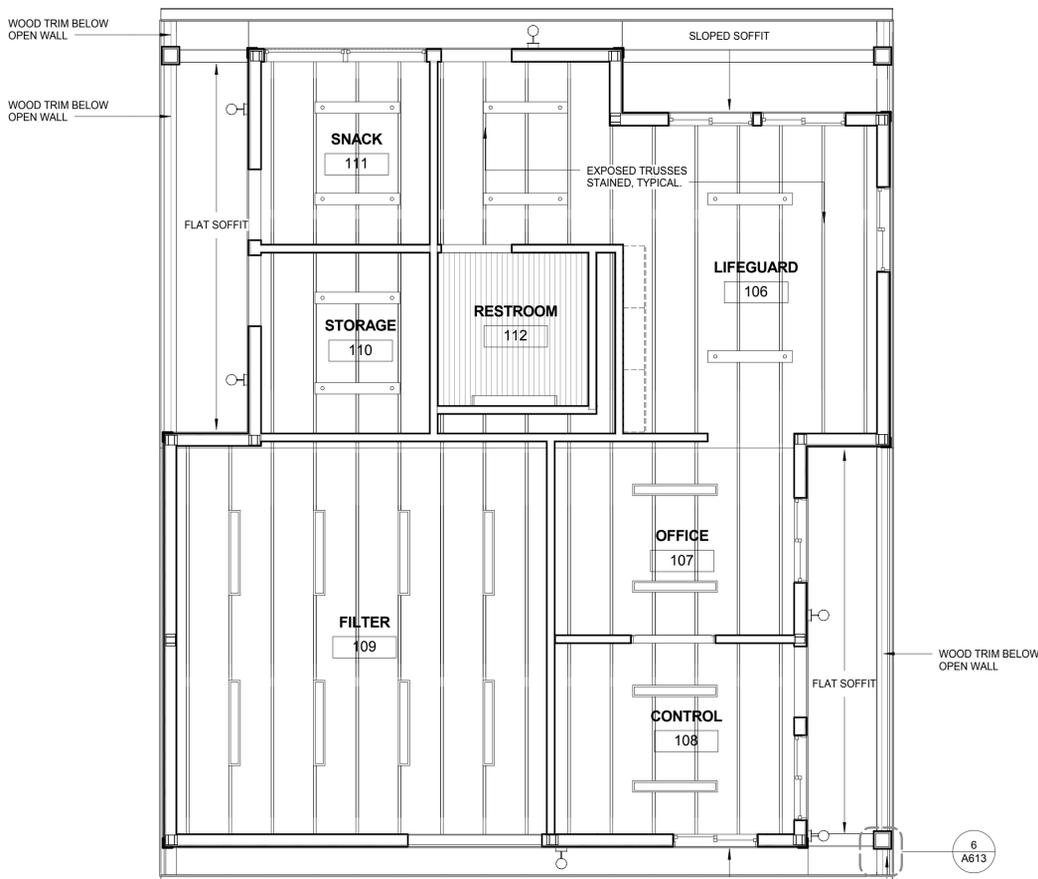
SERVICE BUILDING PLANS

DRAWING INFORMATION

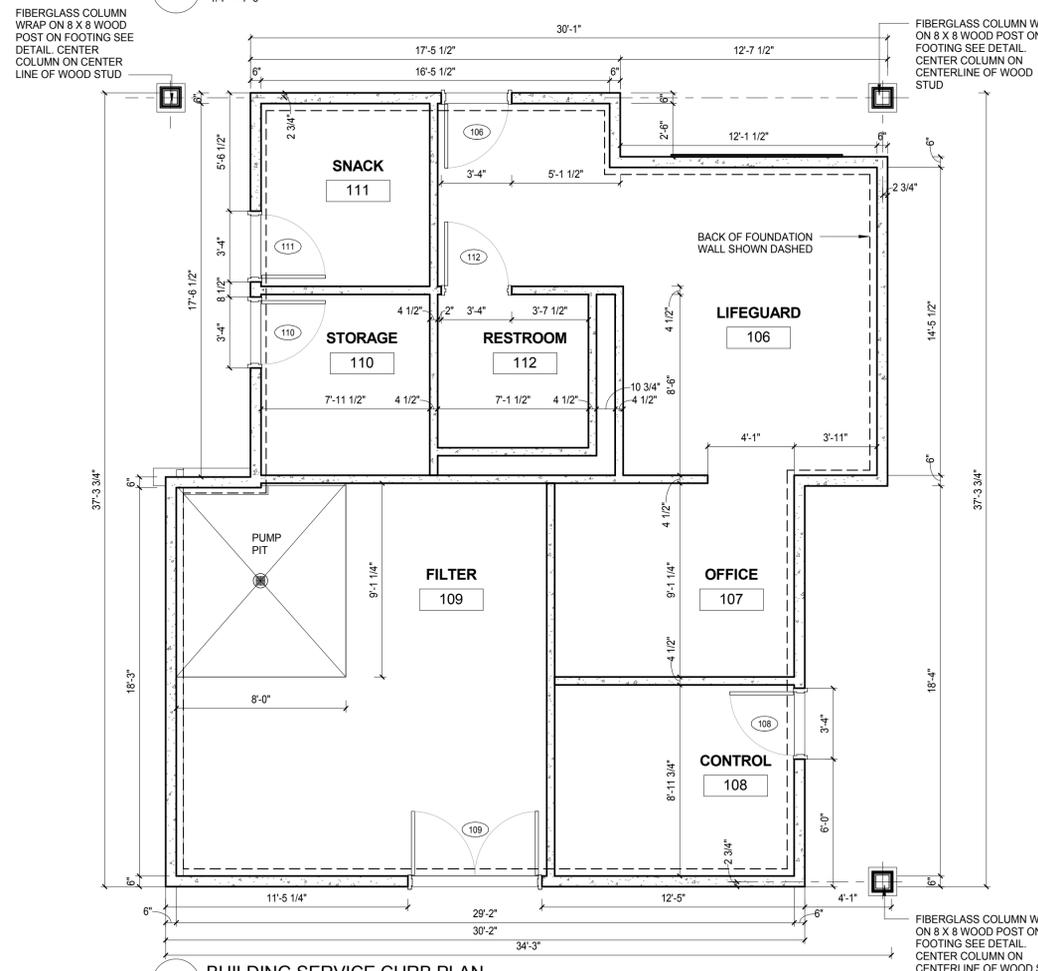
10/15/2015 DATE OF ISSUE	Author DRAWN BY
1/4" = 1'-0" SCALE	3223_Patton_Pool.rvt FILE NAME
3119 PROJECT #	

DRAWING NUMBER

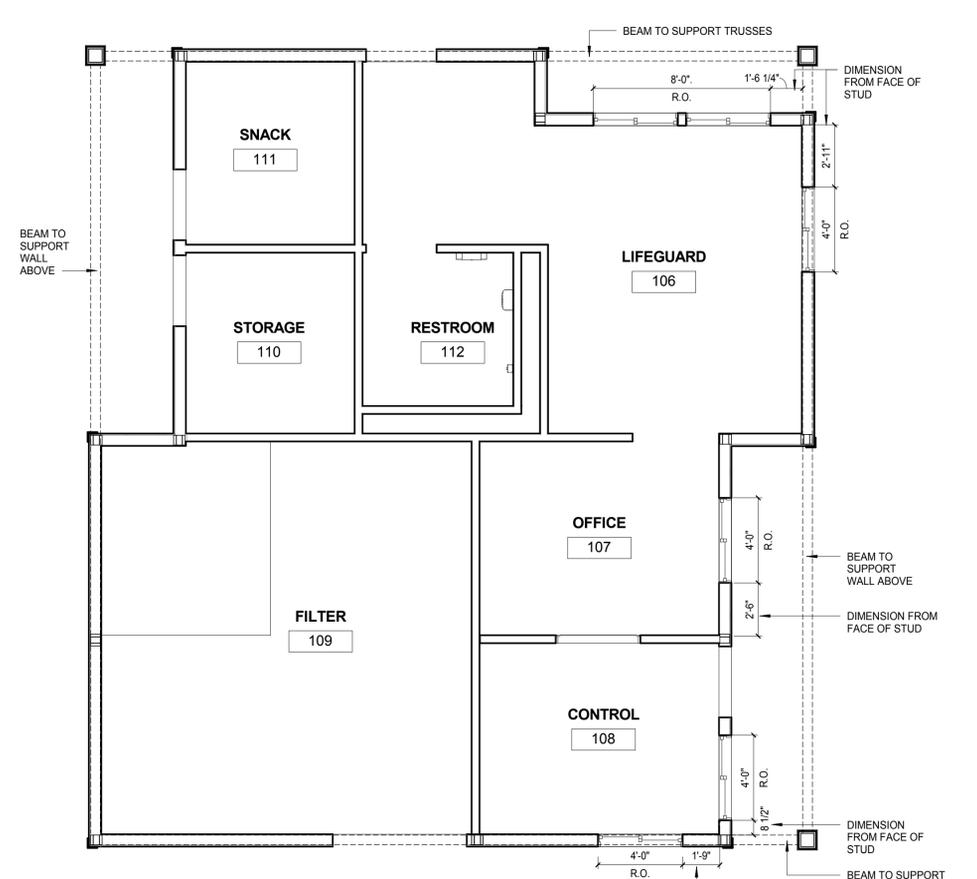
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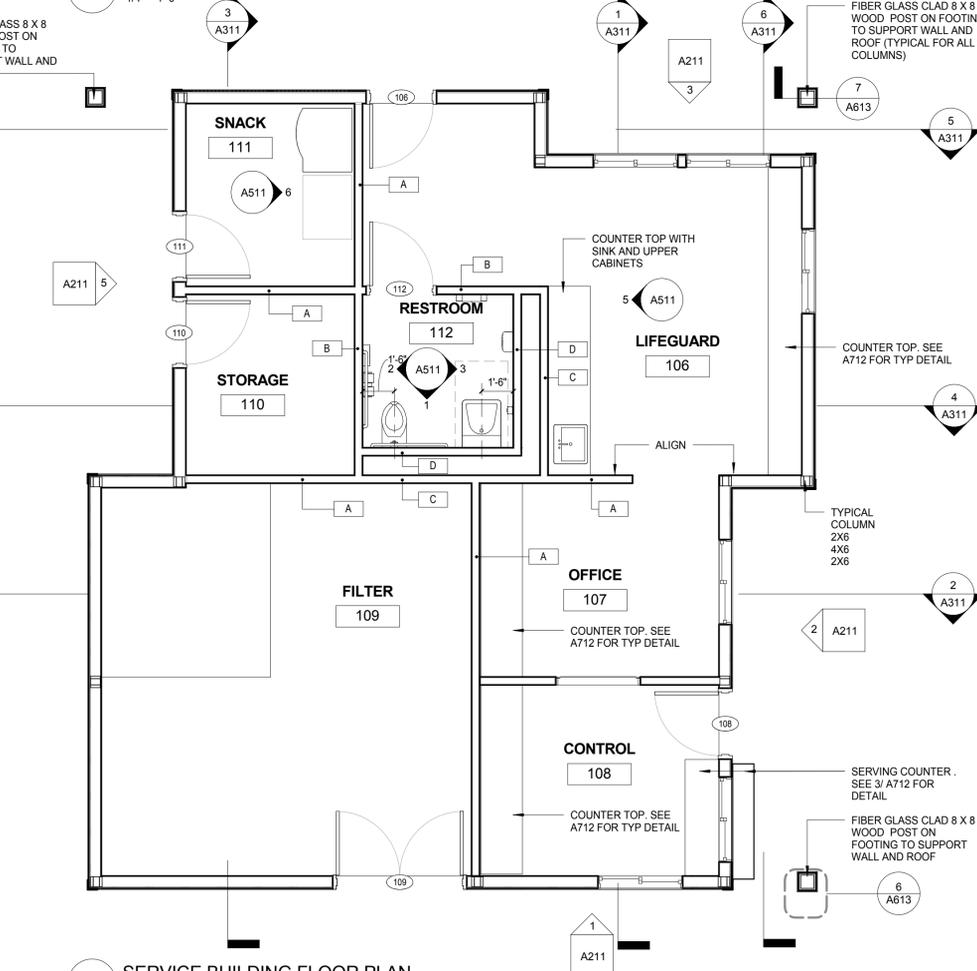
1 SERVICE BUILDING REFLECTED CEILING PLAN
 1/4" = 1'-0"



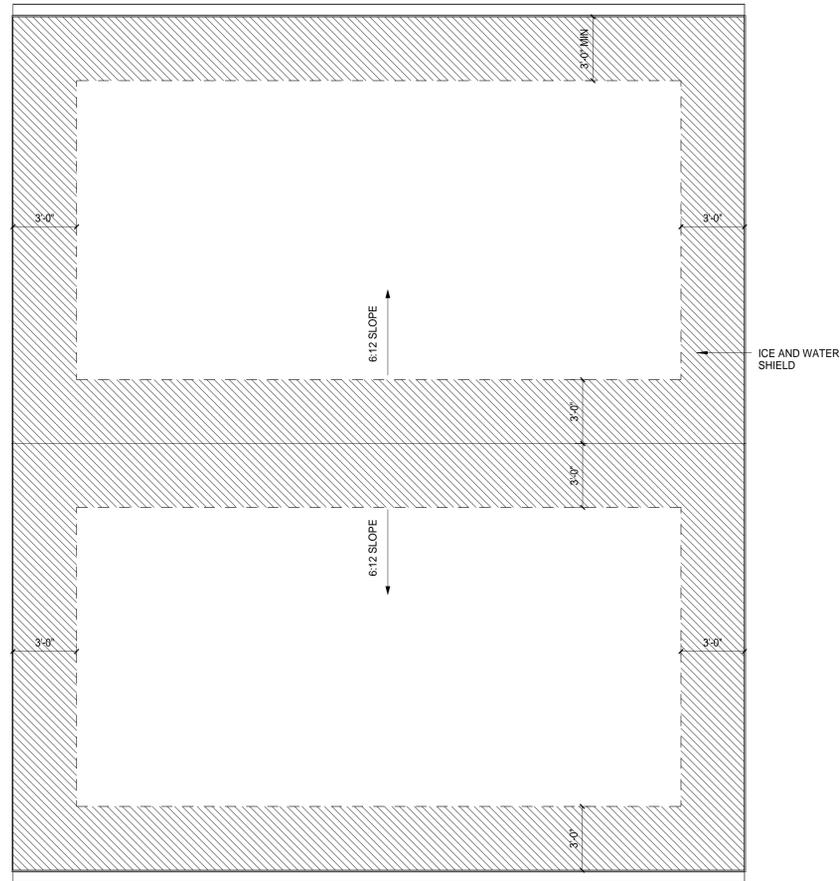
3 BUILDING SERVICE CURB PLAN
 1/4" = 1'-0"



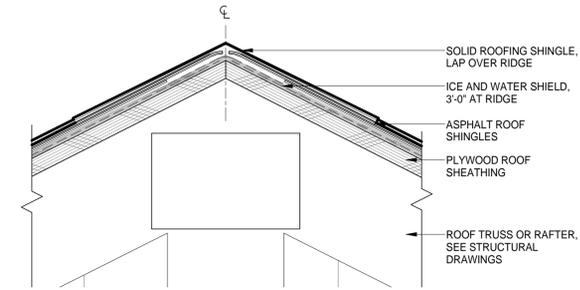
2 SERVICE BUILDING CLERESTORY PLAN
 1/4" = 1'-0"



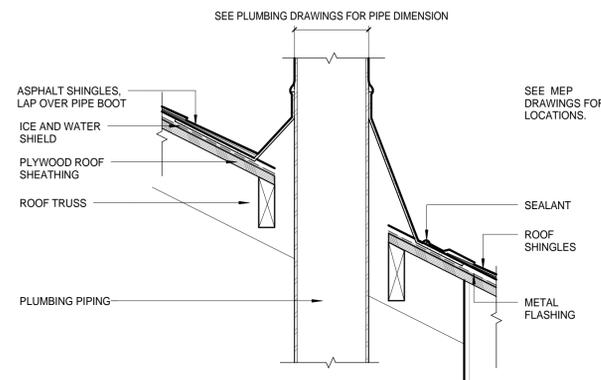
4 SERVICE BUILDING FLOOR PLAN
 1/4" = 1'-0"



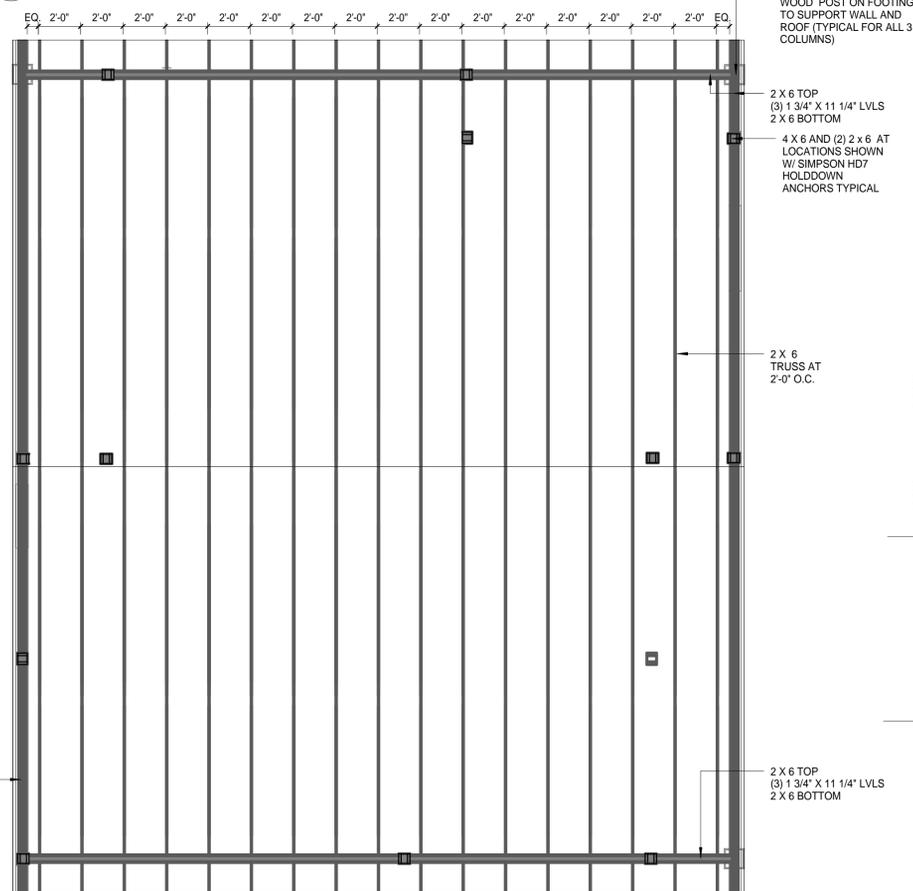
4. SERVICE BUILDING ROOF PLAN
1/4" = 1'-0"



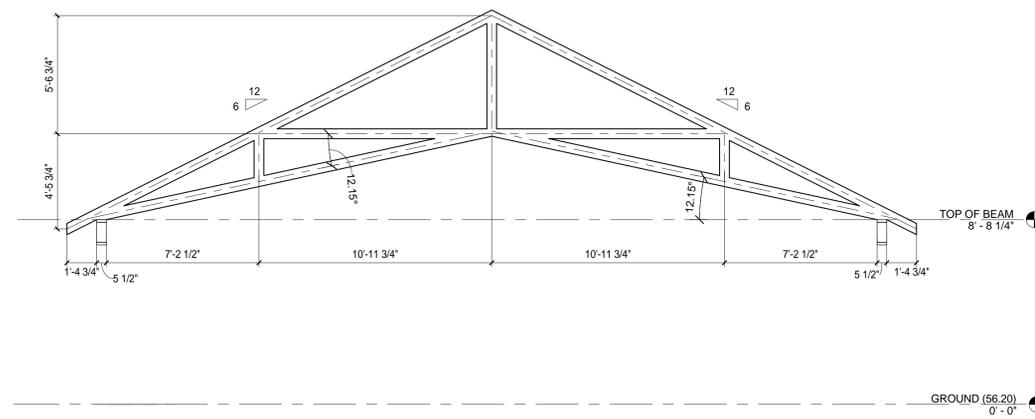
1 SECTION AT RIDGE
3" = 1'-0"



2 SECTION AT PLUMBING VENT
1 1/2" = 1'-0"



5 SERVICE BUILDING FRAMING PLAN
1/4" = 1'-0"



3. SERVICE BUILDING TRUSS
1/4" = 1'-0"

GENERAL NOTES

ARCHITECT

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PROJECT NAME

**Veterans
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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

**SERVICE BUILDING
FRAMING,
ROOF PLANS
AND DETAILS**

DRAWING INFORMATION

10/15/2015	DATE OF ISSUE
As Indicated	Author
SCALE	DRAWN BY
3119	PROJECT #
3223_Patton Pool.rvt	FILE NAME

DRAWING NUMBER

A112

GENERAL NOTES

ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE

**SERVICE
BUILDING
EXTERIOR
ELEVATIONS**

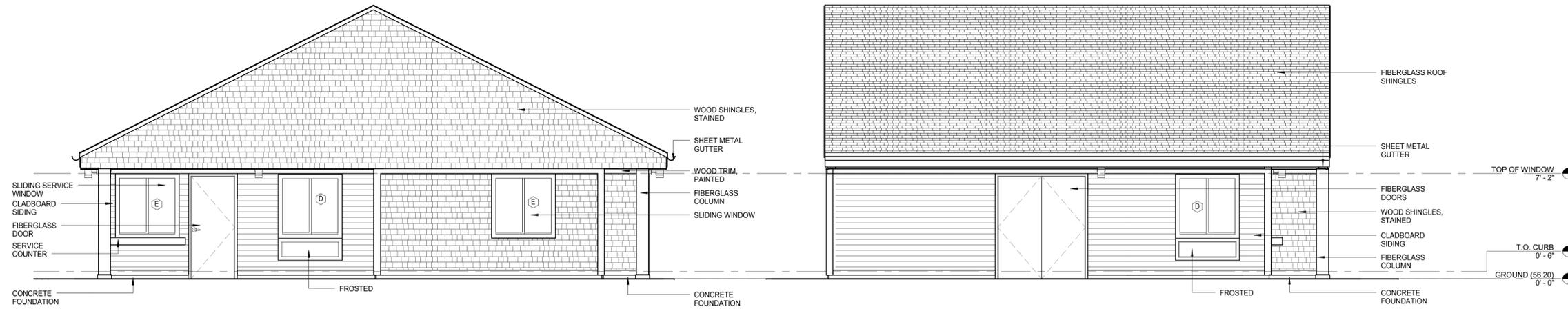
DRAWING INFORMATION

10/15/2015	DATE OF ISSUE
1/4" = 1'-0"	SCALE
3119	PROJECT #
3223_Patton_Pool.rvt	FILE NAME
Author	DRAWN BY

DRAWING NUMBER

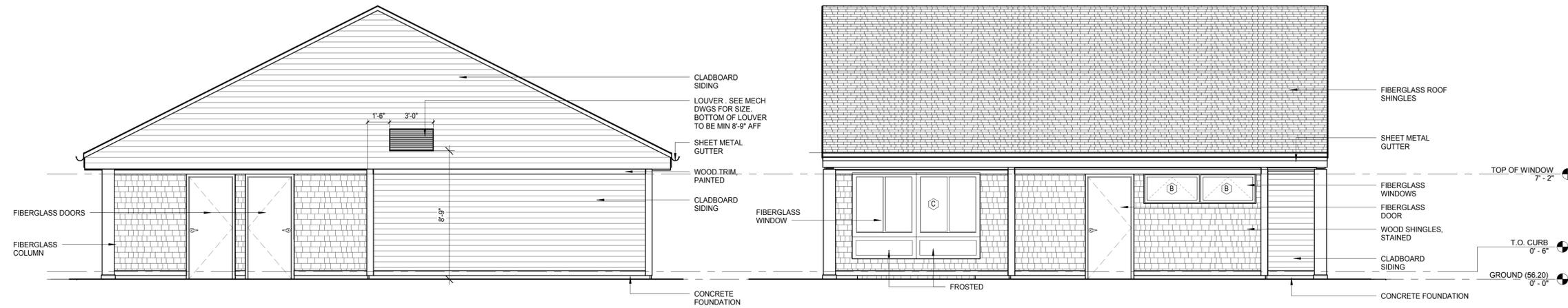
A211

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2 SERVICE BUILDING NORTH ELEVATION
1/4" = 1'-0"

1 SERVICE BUILDING EAST ELEVATION
1/4" = 1'-0"



5 SERVICE BUILDING SOUTH ELEVATION
1/4" = 1'-0"

3 SERVICE BUILDING WEST ELEVATION
1/4" = 1'-0"

KEY PLAN

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 10/16/2015 5:06:28 PM Author

GENERAL NOTES

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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

**SERVICE
BUILDING
SECTIONS**

DRAWING INFORMATION

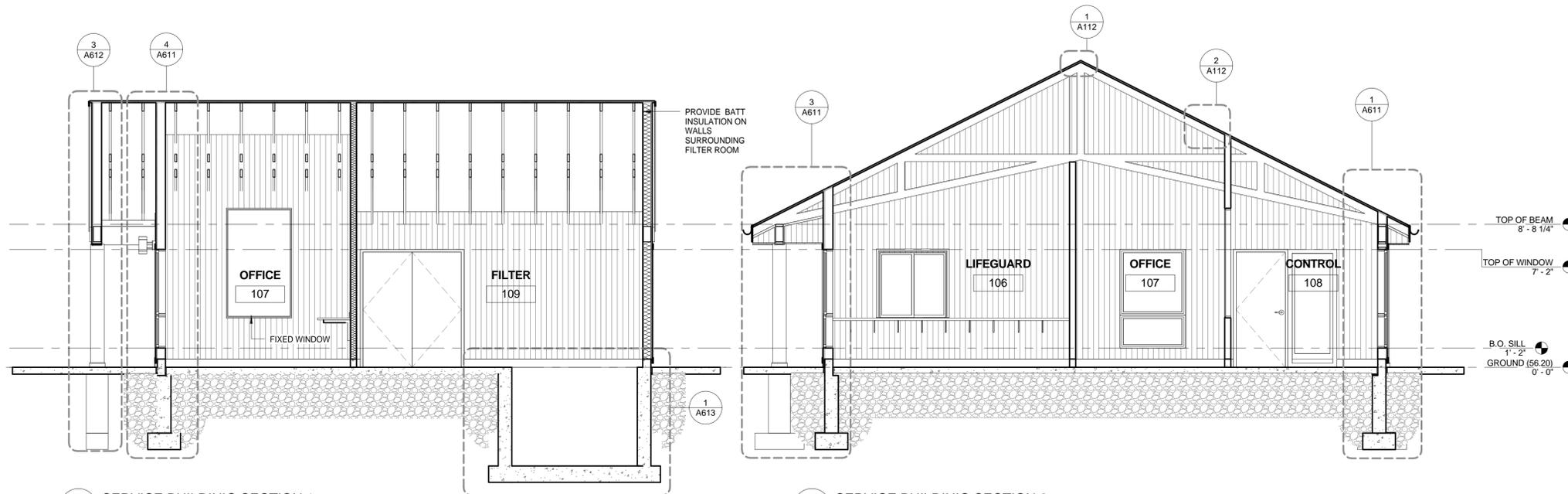
10/15/2015	DATE OF ISSUE
1/4" = 1'-0"	SCALE
3119	PROJECT #
3223_Patton Pool.rvt	FILE NAME
Author	DRAWN BY
3119	DRAWN BY
3223_Patton Pool.rvt	FILE NAME

DRAWING NUMBER

A311

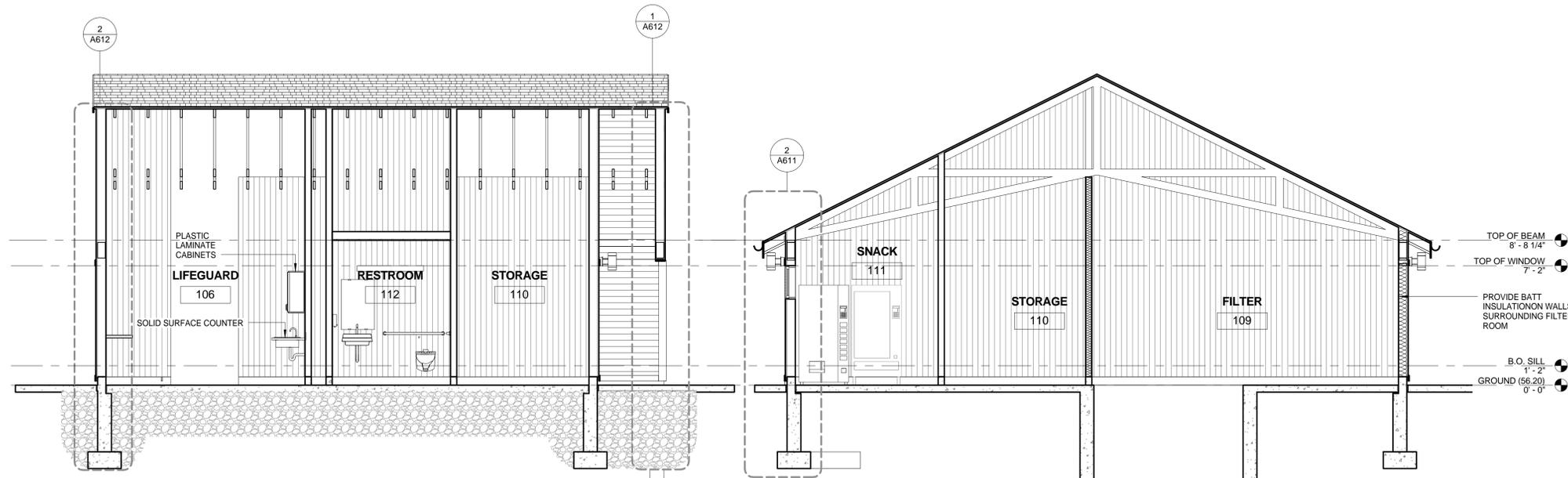
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KEY PLAN



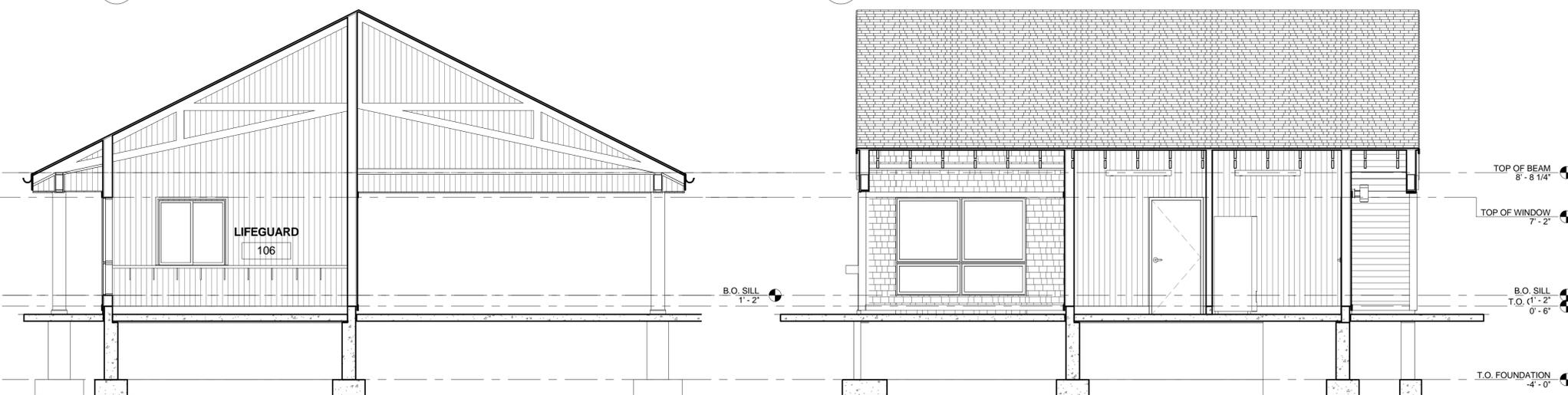
2 SERVICE BUILDING SECTION 1
1/4" = 1'-0"

1 SERVICE BUILDING SECTION 2
1/4" = 1'-0"



4 SERVICE BUILDING SECTION 3
1/4" = 1'-0"

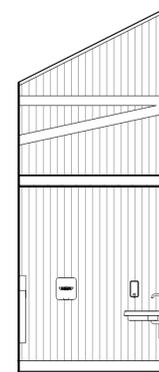
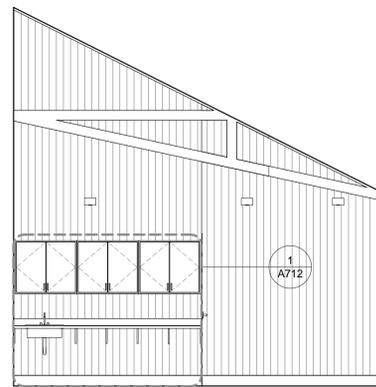
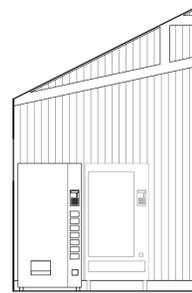
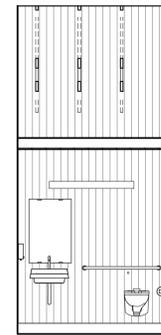
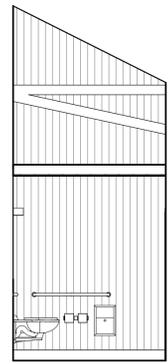
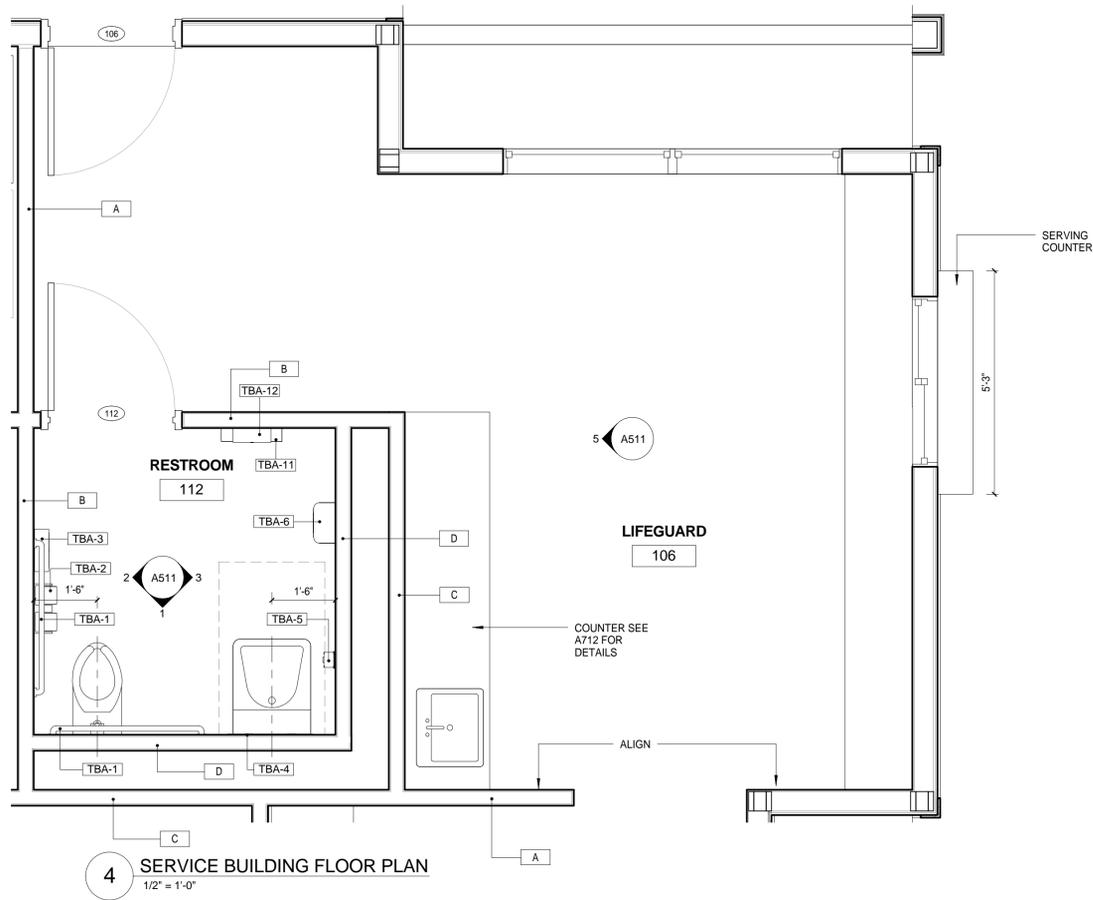
3 SERVICE BUILDING SECTION 4
1/4" = 1'-0"



6 SERVICE BUILDING SECTION 5
1/4" = 1'-0"

5 SERVICE BUILDING SECTION 6
1/4" = 1'-0"

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10/15/2015 5:15:35 PM Author



GENERAL NOTES
 NOTE: RESTROOM MOUNTING HEIGHTS ARE SIMILAR TO THOSE SHOWN ON THE BATH HOUSE DRAWINGS

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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE
SERVICE BUILDING INTERIOR ELEVATIONS

DRAWING INFORMATION

KEY PLAN

DATE OF ISSUE	10/15/2015
DESCRIPTION	
SCALE	As Indicated
AUTHOR	
DRAWN BY	
PROJECT #	3119
FILE NAME	3223_Patton Pool.rvt

DRAWING NUMBER

A511

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GENERAL NOTES

ARCHITECT

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PROJECT NAME

**Veterans
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215 Boston Post Road
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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

**SERVICE BUILDING
WALL
SECTIONS**

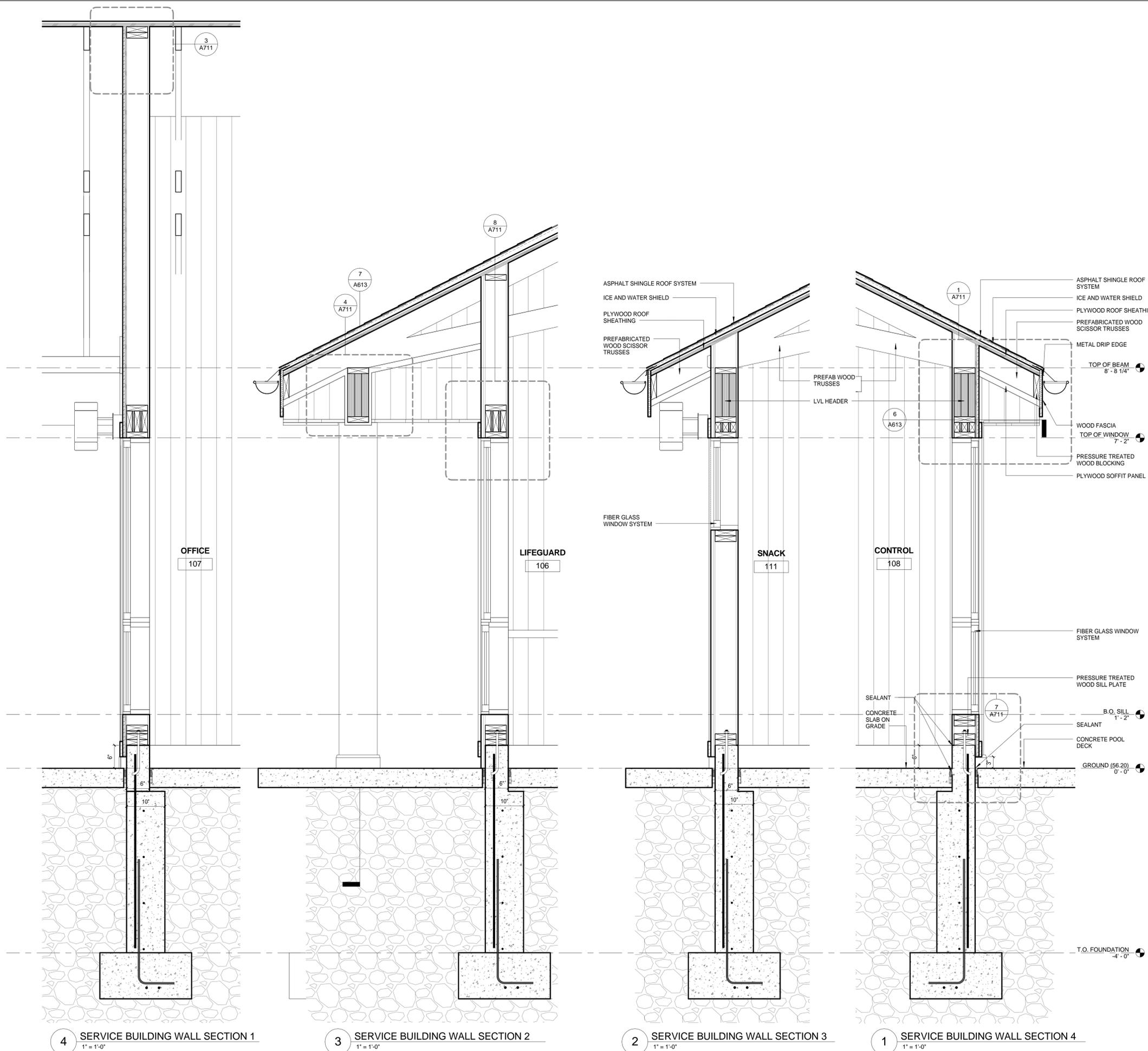
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10/15/2015	DATE OF ISSUE
1" = 1'-0"	SCALE
Author	DRAWN BY
3119	PROJECT #
3223_Patton Pool.rvt	FILE NAME

DRAWING NUMBER

A611

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4 SERVICE BUILDING WALL SECTION 1
1" = 1'-0"

3 SERVICE BUILDING WALL SECTION 2
1" = 1'-0"

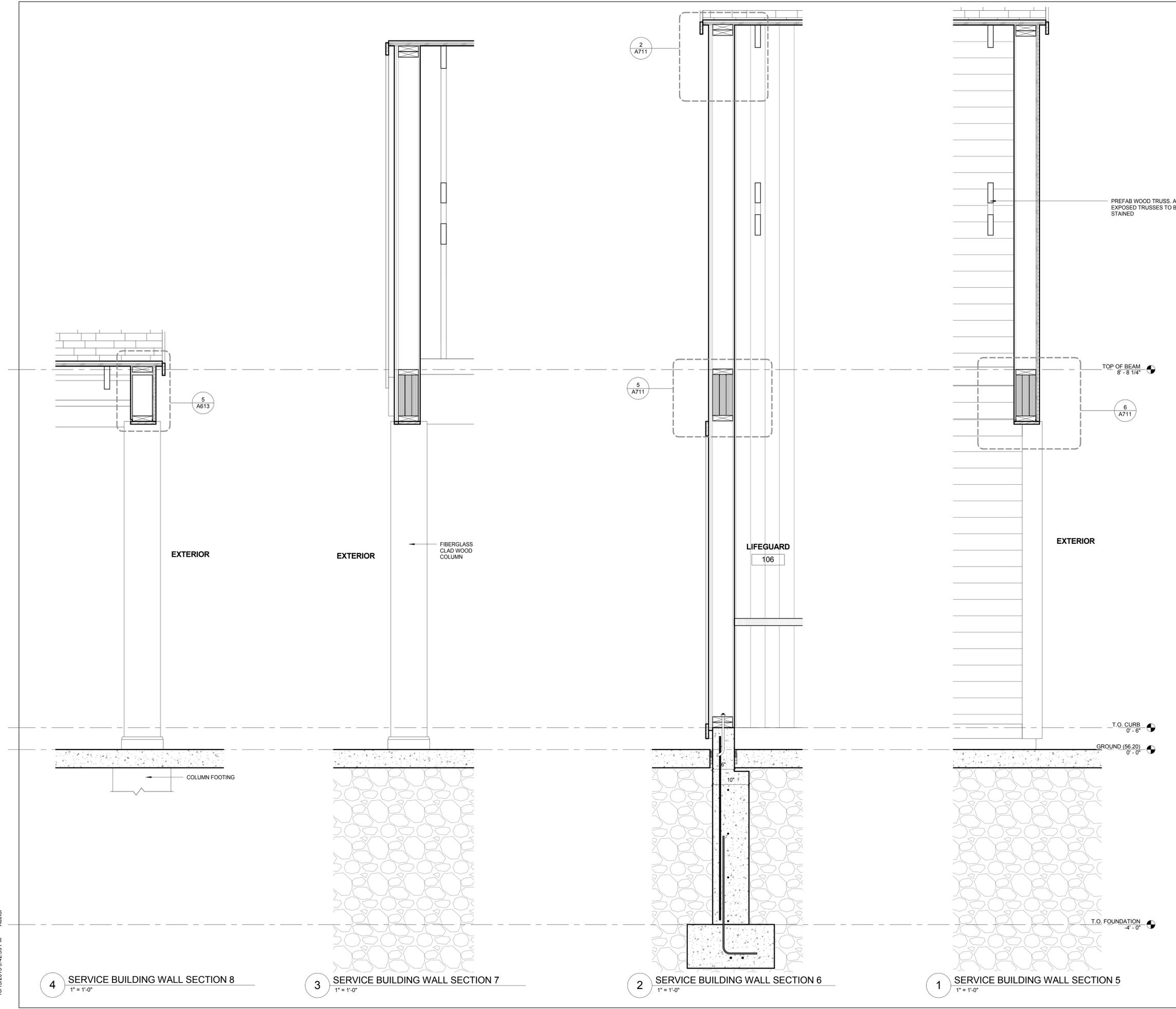
2 SERVICE BUILDING WALL SECTION 3
1" = 1'-0"

1 SERVICE BUILDING WALL SECTION 4
1" = 1'-0"

KEY PLAN

D:\Local Revit\3223 SERVICE BUILDING_BH\m\A_Savitarajan.rvt
10/15/2015 5:15:38 PM Author

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 10/15/2015 5:42:59 PM Author



4 SERVICE BUILDING WALL SECTION 8
 1" = 1'-0"

3 SERVICE BUILDING WALL SECTION 7
 1" = 1'-0"

2 SERVICE BUILDING WALL SECTION 6
 1" = 1'-0"

1 SERVICE BUILDING WALL SECTION 5
 1" = 1'-0"

GENERAL NOTES

PREFAB WOOD TRUSS. ALL EXPOSED TRUSSES TO BE STAINED

TOP OF BEAM
 8' - 8 1/4"

ARCHITECT

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PROJECT NAME

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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

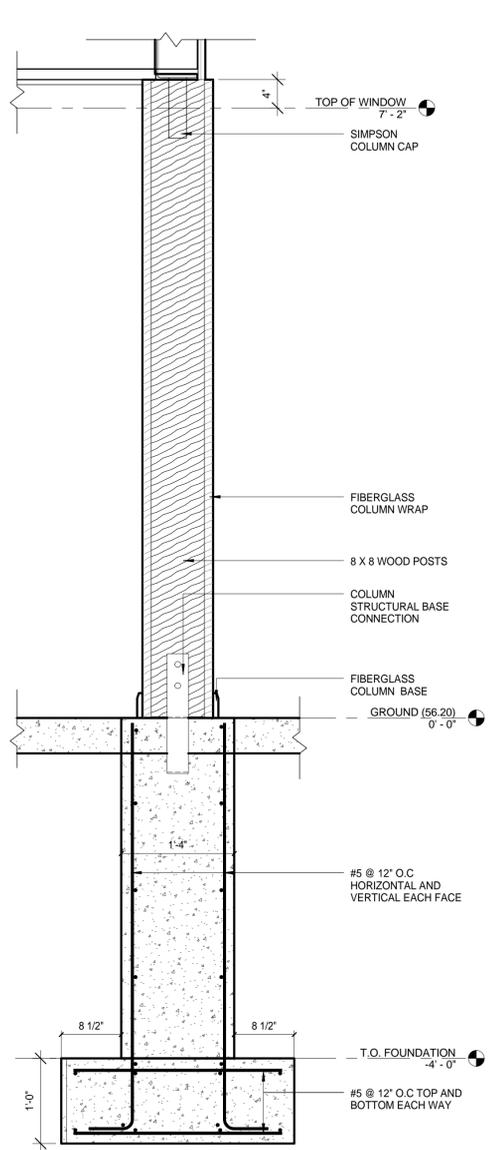
**SERVICE BUILDING
 WALL
 SECTIONS 2**

DRAWING INFORMATION

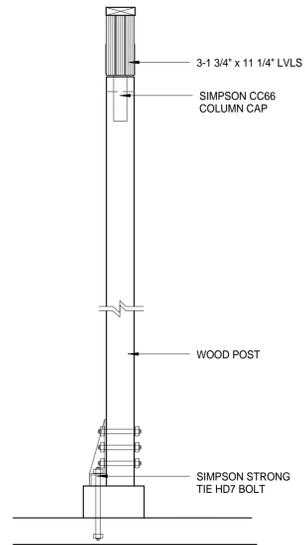
10/15/2015	DATE OF ISSUE
1" = 1'-0"	SCALE
Author	DRAWN BY
3119	PROJECT #
3223_Patton Pool.rvt	FILE NAME

DRAWING NUMBER

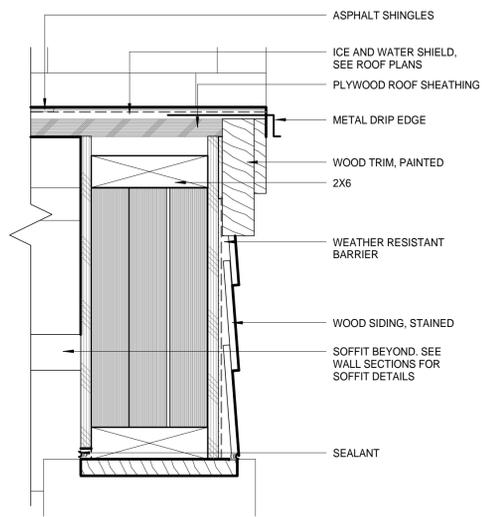
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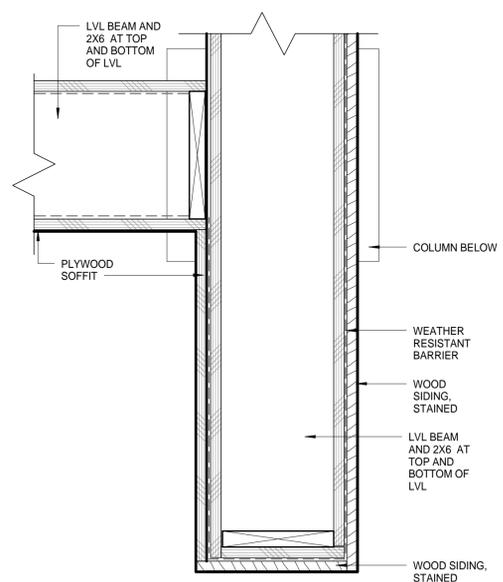
7 FOOTING DETAIL FOR EXTERIOR COLUMNS
1" = 1'-0"



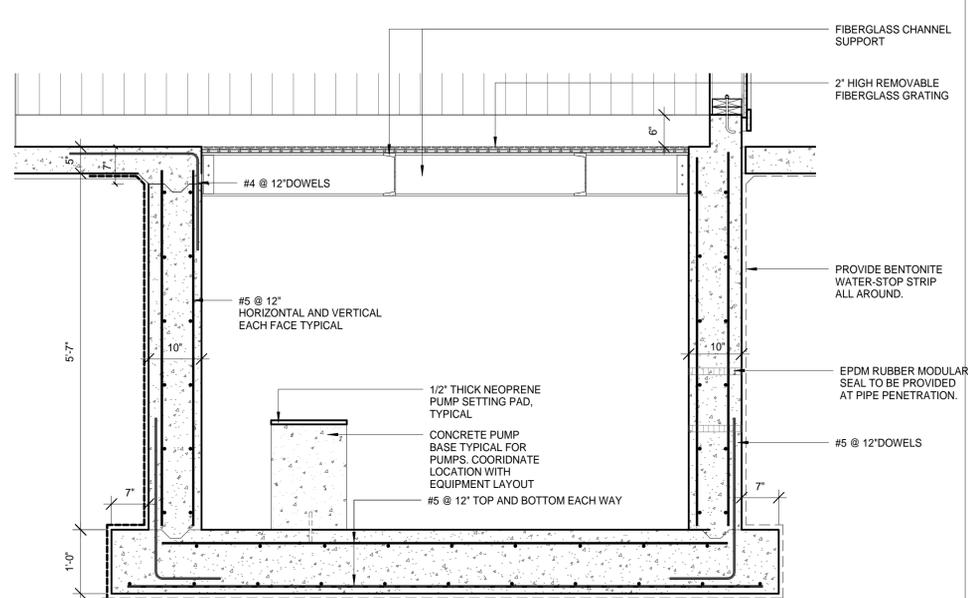
4 TYPICAL BEAM TO COLUMN DETAIL
3/4" = 1'-0"



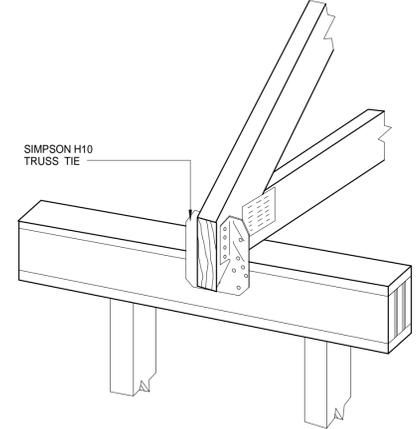
5 SECTION DETAIL AT BEAM
3" = 1'-0"



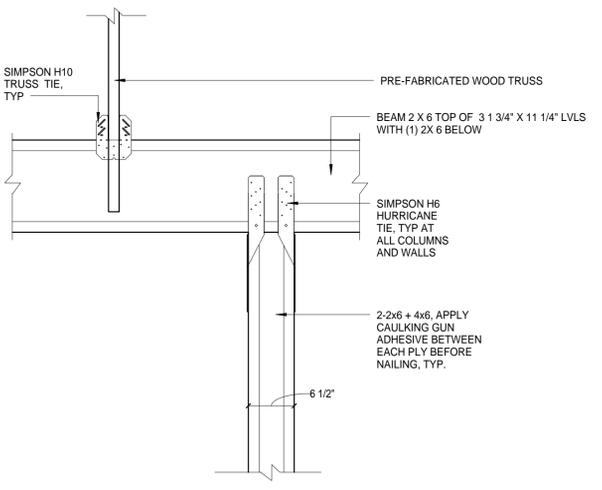
6 PLAN DETAIL AT EXTERIOR WALL CORNER
3" = 1'-0"



1 SERVICE BUILDING SECTION THRU PUMP PIT
3/4" = 1'-0"



2 TYPICAL TRUSS TO BEAM FASTENER
1" = 1'-0"



3 TYPICAL TRUSS TO BEAM AND COLUMN / WALL CONNECTION
1" = 1'-0"

GENERAL NOTES

ARCHITECT
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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE
SERVICE BUILDING MISC DETAILS

DRAWING INFORMATION

10/15/2015
DATE OF ISSUE

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SCALE

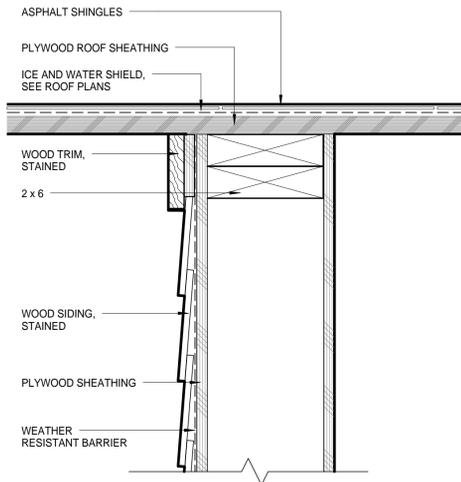
Author
DRAWN BY

3119
PROJECT #

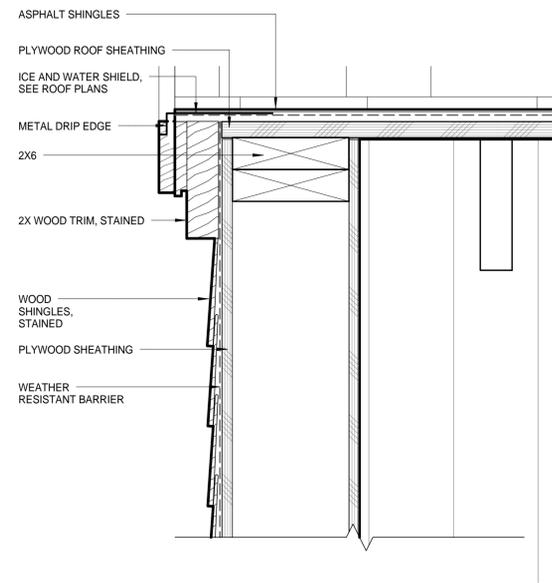
3223_Patton Pool.rvt
FILE NAME

DRAWING NUMBER

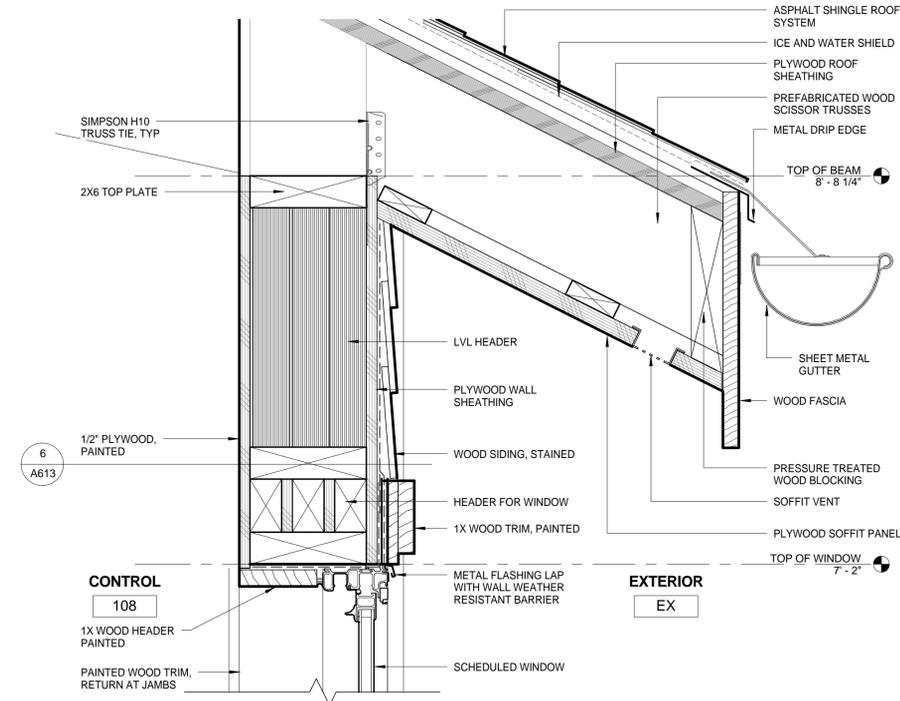
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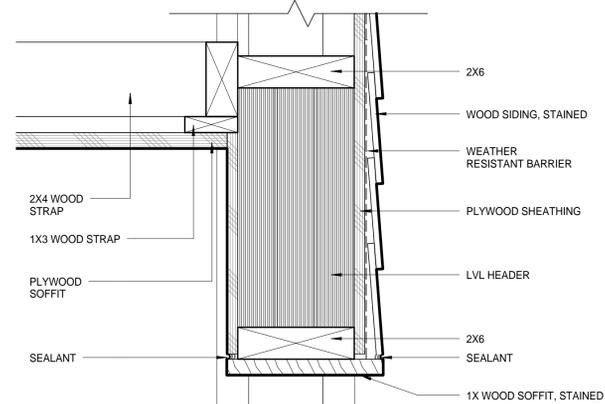
3 RAKE DETAIL
3' = 1'-0"



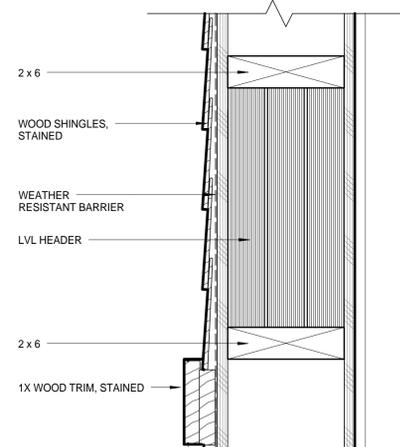
2 SECTION DETAIL AT RAKE
3' = 1'-0"



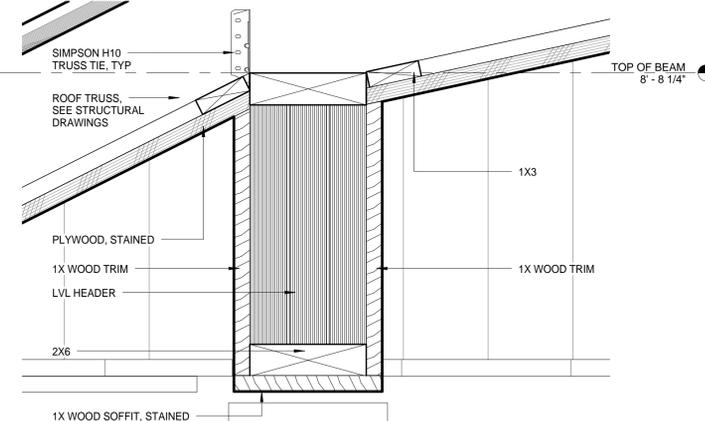
1 TYPICAL SECTION AT EAVE, TRUSSES
3' = 1'-0"



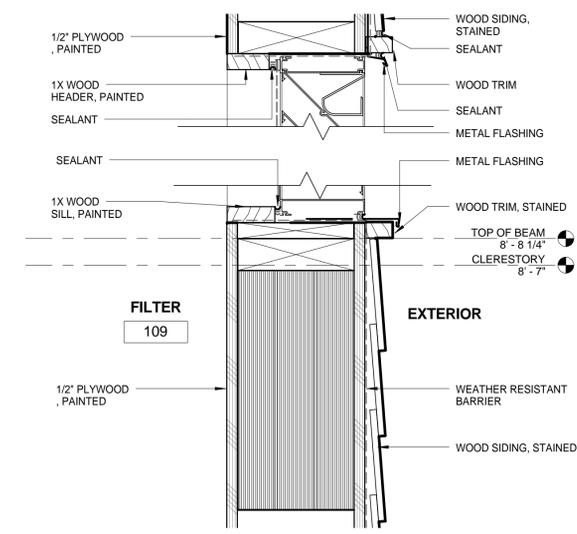
6 SECTION DETAIL AT BEAM
3' = 1'-0"



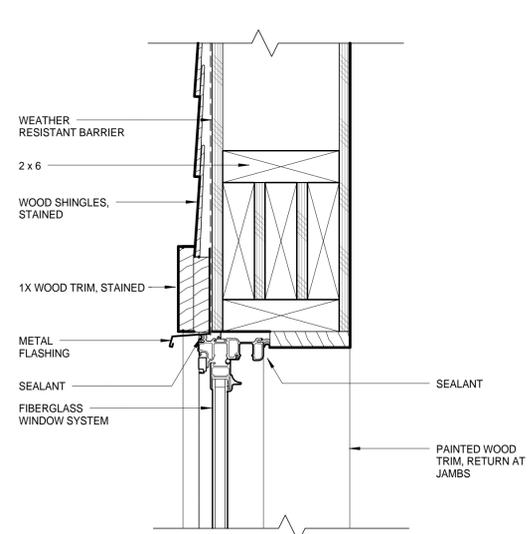
5 SECTION DETAIL AT BEAM
3' = 1'-0"



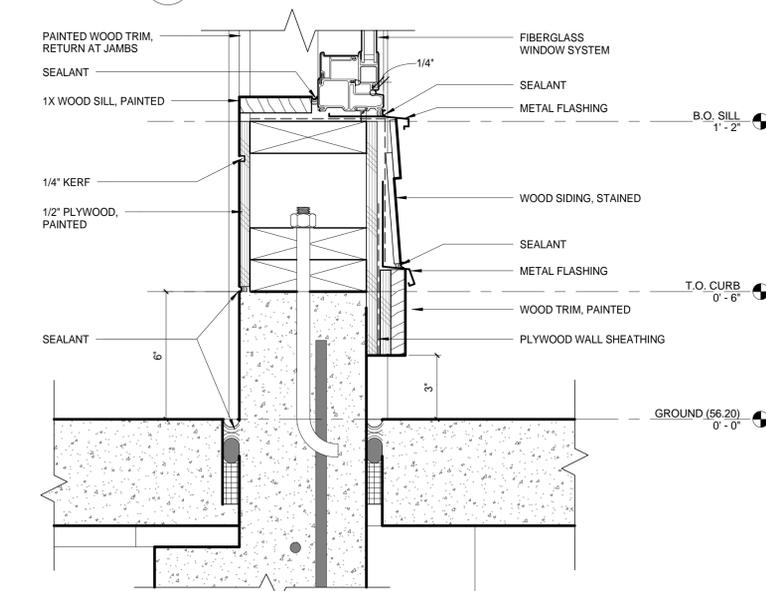
4 VERTICAL SECTION AT COLUMN
3' = 1'-0"



9 SECTION THRU LOUVER
3' = 1'-0"



8 HEAD DETAIL AT FIXED WINDOW
3' = 1'-0"



7 SILL DETAIL AT FOUNDATION
3' = 1'-0"

GENERAL NOTES

ARCHITECT

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PROJECT NAME

**Veterans
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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

**SERVICE
BUILDING
SECTION
DETAILS**

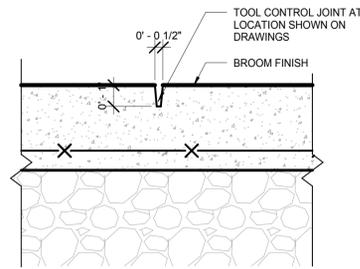
DRAWING INFORMATION

10/15/2015 DATE OF ISSUE	Author DRAWN BY
3' = 1'-0" SCALE	3223_Patton Pool.rvt FILE NAME
DESCRIPTION	PROJECT #
3119	3223_Patton Pool.rvt

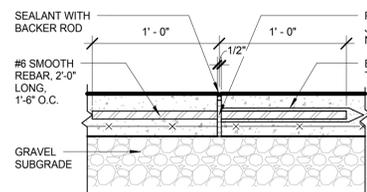
DRAWING NUMBER

A711

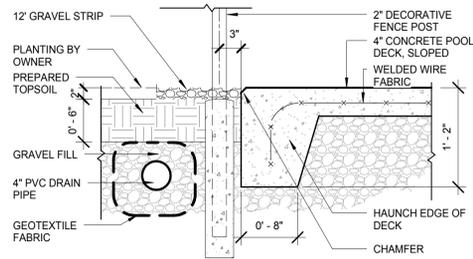
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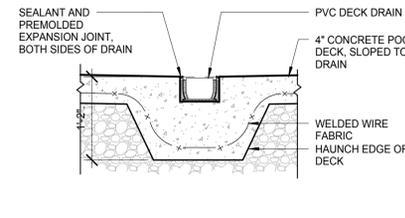
2 POOL DECK CONTROL JOINT TYPICAL
3\"/>



3 POOL DECK EXPANSION JOINT TYPICAL
1 1/2\"/>



4 EDGE OF DECK AT LAWN
1\"/>



5 DECK DRAIN DETAIL
1\"/>

DECK LEVEL GRAPHICS
TILE w/ 4\"/>

WATERLINE GRAPHICS
VINYL WITH 4\"/>

TYPE "A" AT DECK

3 FT 0 IN

TYPE "B"
INTERNATIONAL
"NO DIVING" ICON



6 POOL DECK GRAPHICS
1 1/2\"/>

GENERAL NOTES

POOL DECK KEYED NOTES

- 1 TILED DECK GRAPHIC - A
- 2 TILED DECK GRAPHIC - B

ARCHITECT



Bargmann Hendrie + Archetype, Inc.
300 A Street
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617 350-0450 Tel

PROJECT NAME

**Veterans
Memorial Pool
Patton Park**

CLIENT

**Hamilton
Wenham
Recreation
Department**

340 Bay Road
Hamilton, MA 01982

PROJECT TEAM

Civil Engineer
Pare Corporation
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Suite 103
Foxboro, MA 02035

Mechanical/Plumbing/Electrical Engineering

Allied Consulting Engineering
Services, Inc.
215 Boston Post Road
Sudbury, Massachusetts 01776

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE

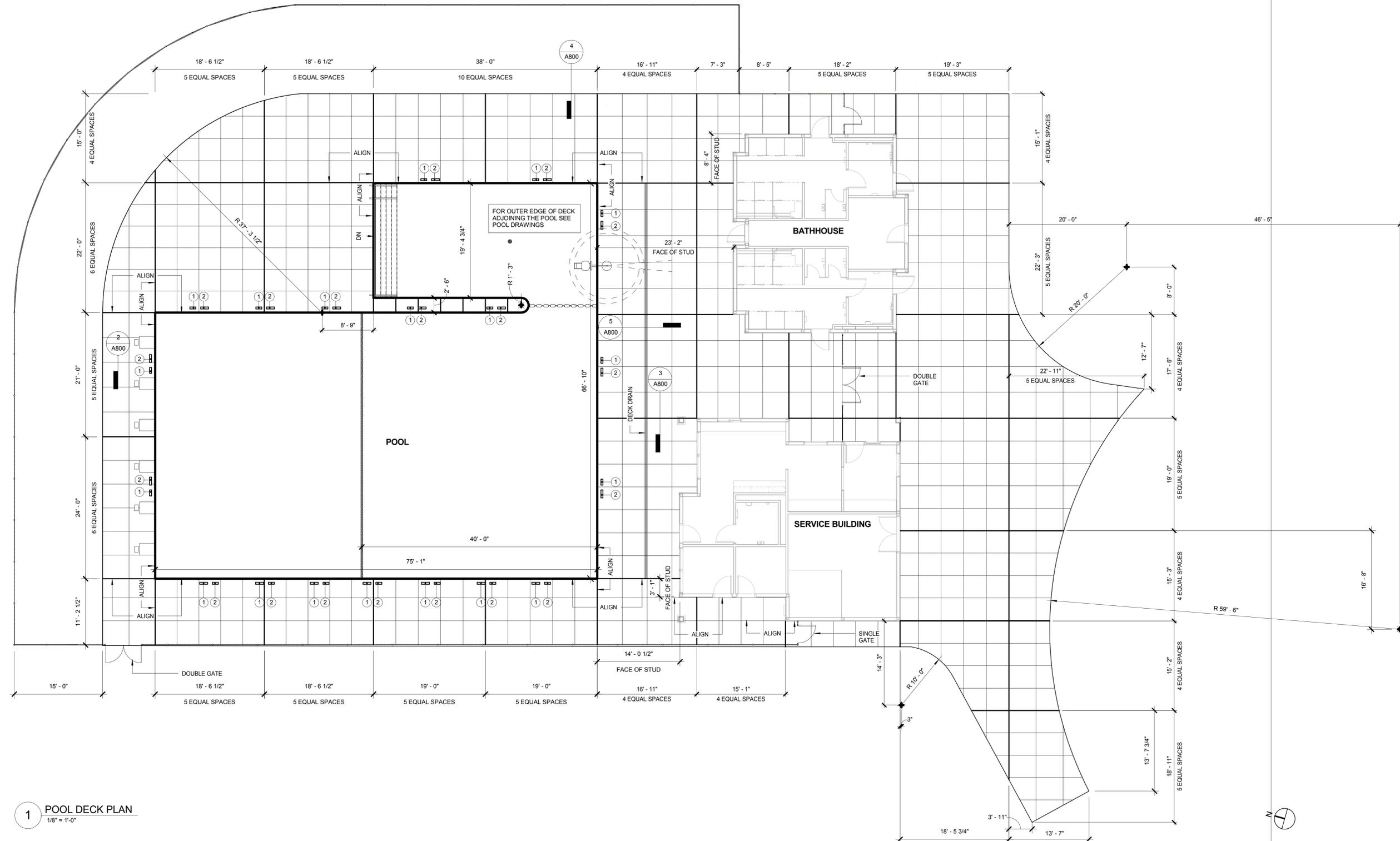
**POOL DECK
PLAN**

DRAWING INFORMATION

DATE OF ISSUE	10/15/2015
DESCRIPTION	As Indicated
SCALE	JWP DRAWN BY
PROJECT #	3223 Patton Pool.rvt
FILE NAME	

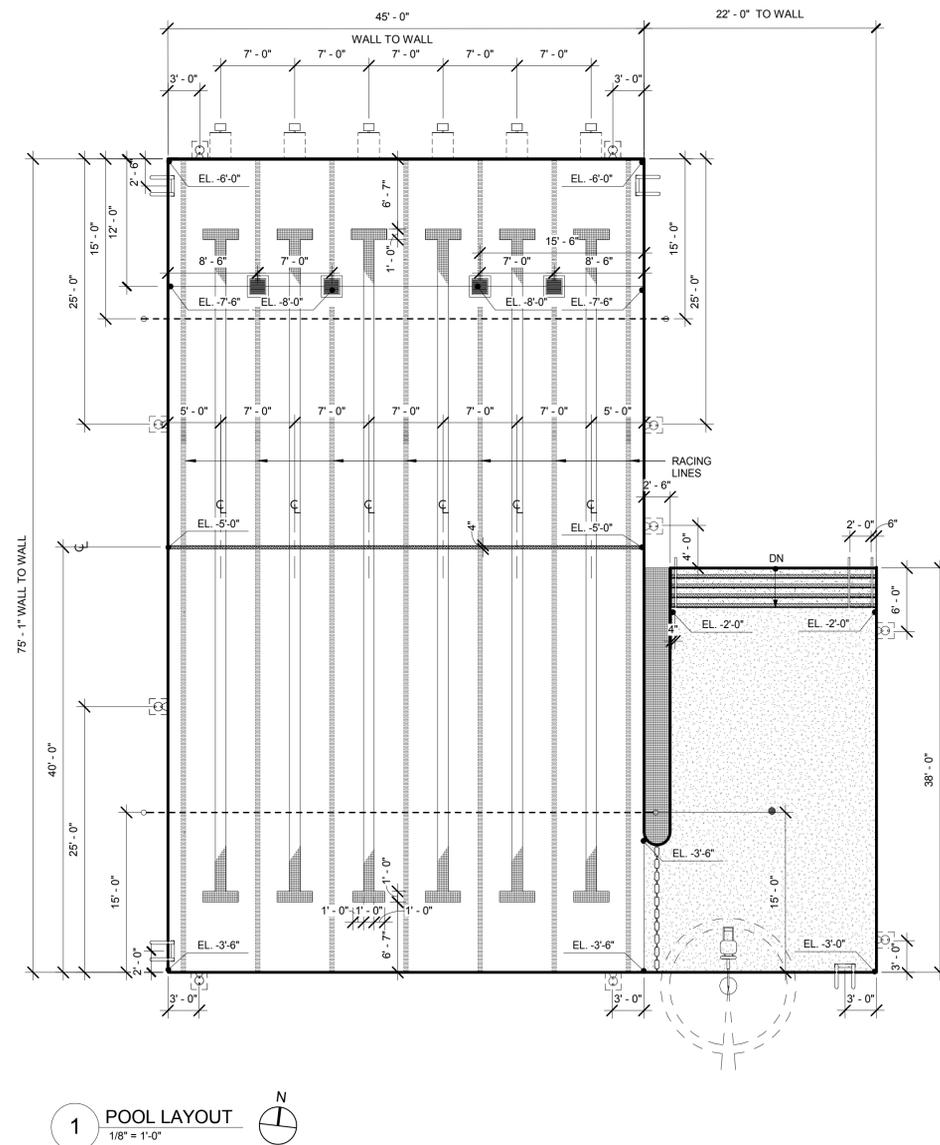
DRAWING NUMBER

A800



1 POOL DECK PLAN
1/8\"/>

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 10/15/2015 5:48:03 PM JWP



1 POOL LAYOUT
 1/8" = 1'-0"

GENERAL NOTES

KEYED NOTES

KEY PLAN

ARCHITECT



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POOL PLAN

DRAWING INFORMATION

10/15/2015

DATE OF ISSUE

DESCRIPTION

1/8" = 1'-0"

SCALE

3223

PROJECT #

DRAWING NUMBER

A801

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GENERAL NOTES

1. XX

KEYED NOTES

REVISIONS

NO.	DATE	DESCRIPTION

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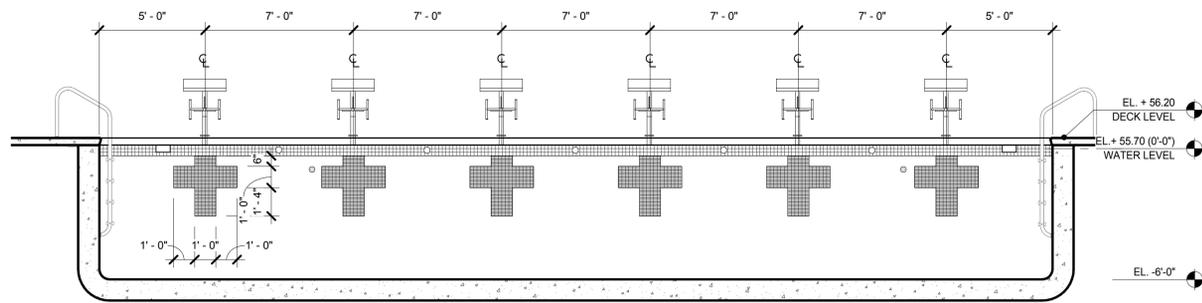
POOL SECTIONS

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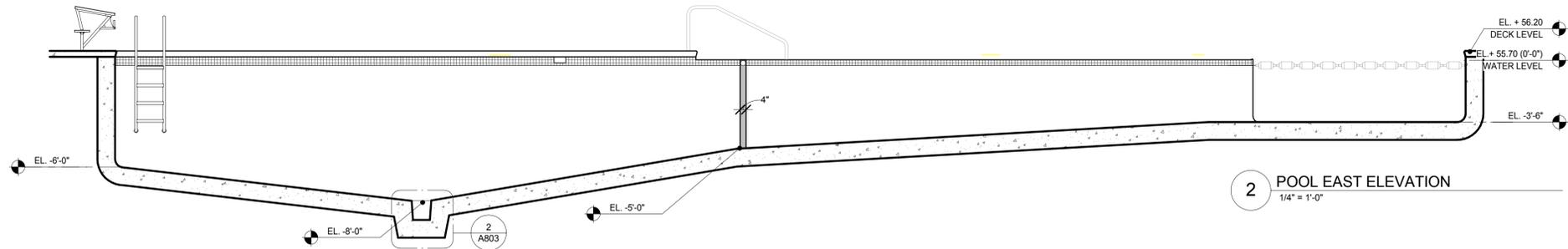
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10/15/2015	As Indicated	JWP	JWP

DRAWING NUMBER

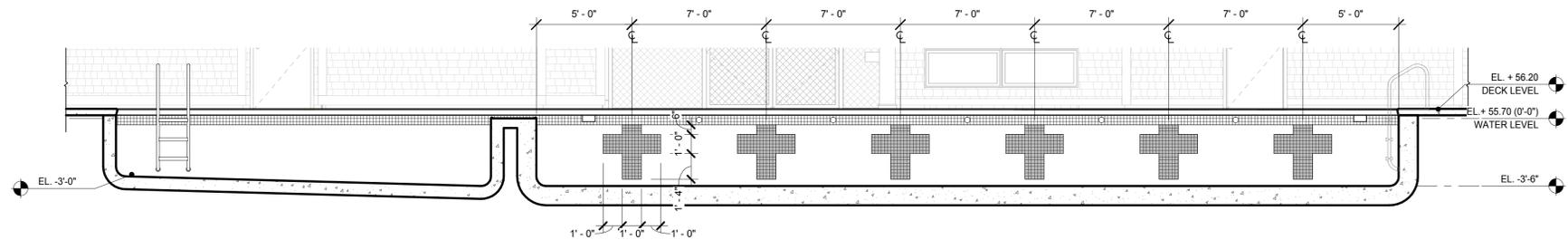
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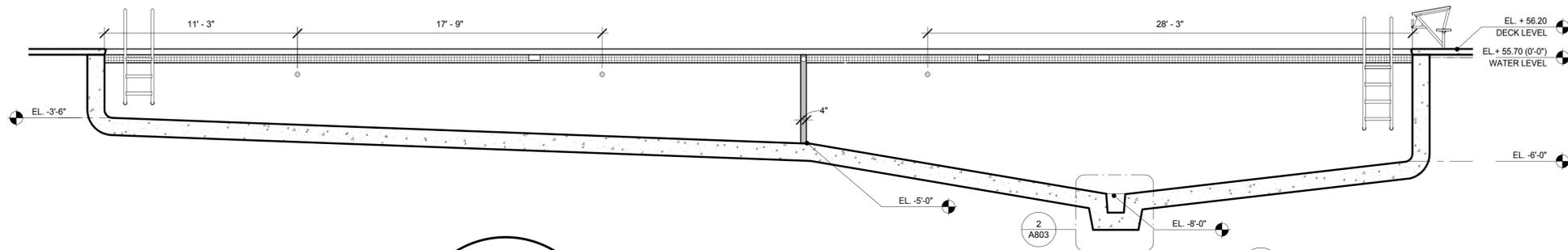
1 POOL NORTH ELEVATION
 1/4" = 1'-0"



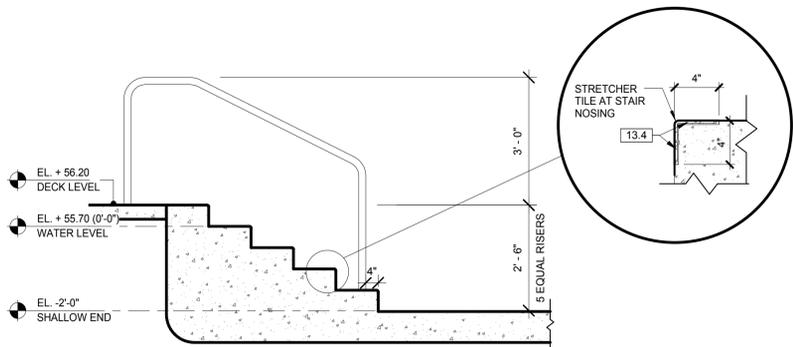
2 POOL EAST ELEVATION
 1/4" = 1'-0"



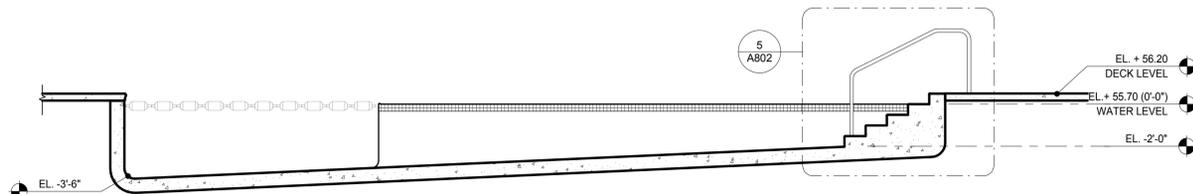
3 POOL SOUTH ELEVATION
 1/4" = 1'-0"



4 POOL WEST ELEVATION
 1/4" = 1'-0"

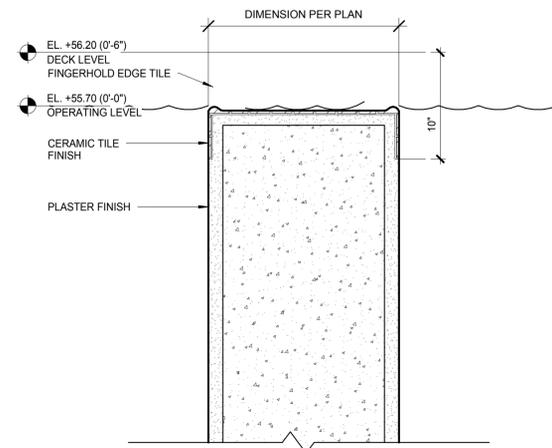


5 POOL STAIR SECTION
 1/2" = 1'-0"

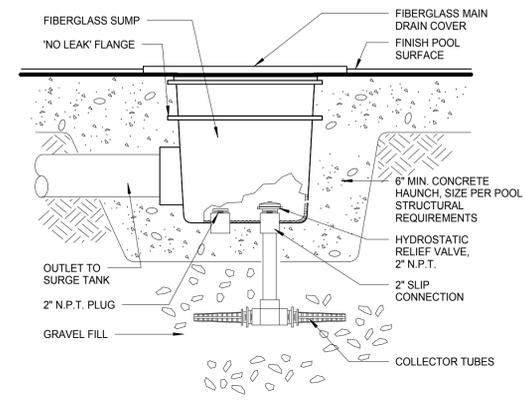


6 POOL FAMILY AREA WEST ELEVATION
 1/4" = 1'-0"

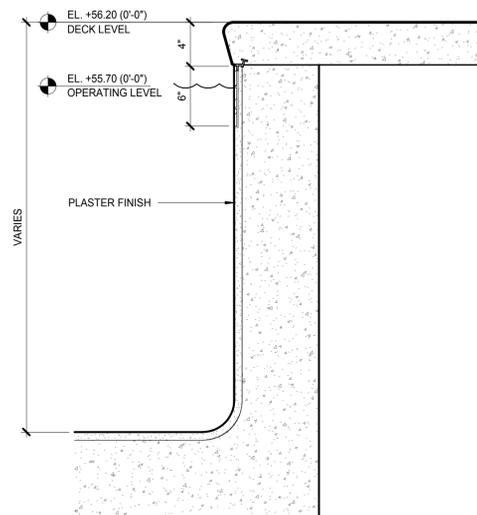
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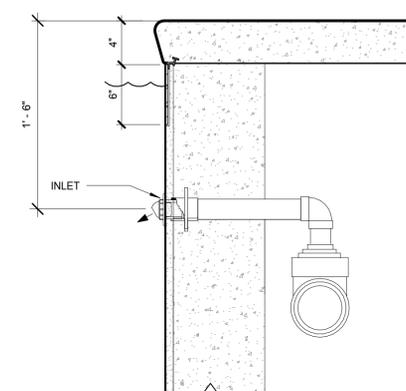
1 TILED BULKHEAD
1 1/2" = 1'-0"



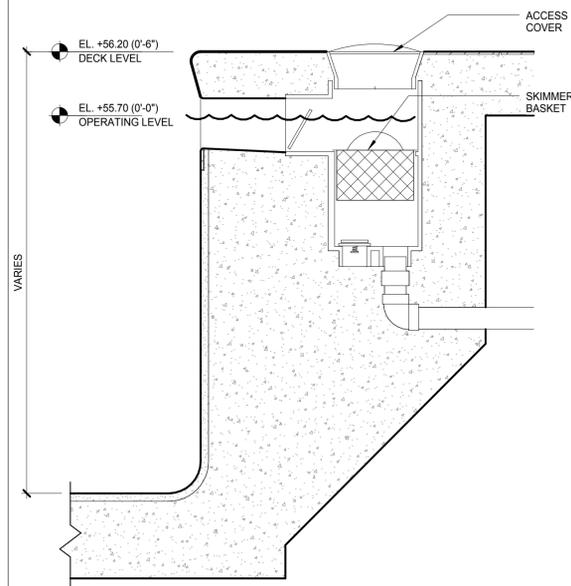
2 TYPICAL MAIN DRAIN DETAIL
1 1/2" = 1'-0"



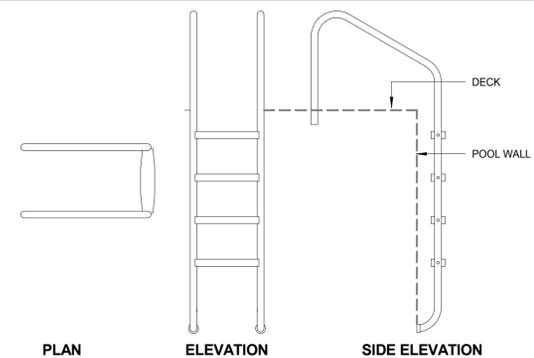
3 TYPICAL POOL WALL
1 1/2" = 1'-0"



4 ADJUSTABLE EYEBALL INLET DETAIL
1 1/2" = 1'-0"



5 SKIMMER DETAIL
1 1/2" = 1'-0"



6 POOL LADDER
1/2" = 1'-0"

GENERAL NOTES

1. XX

ARCHITECT

bh+a

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REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

POOL DETAILS

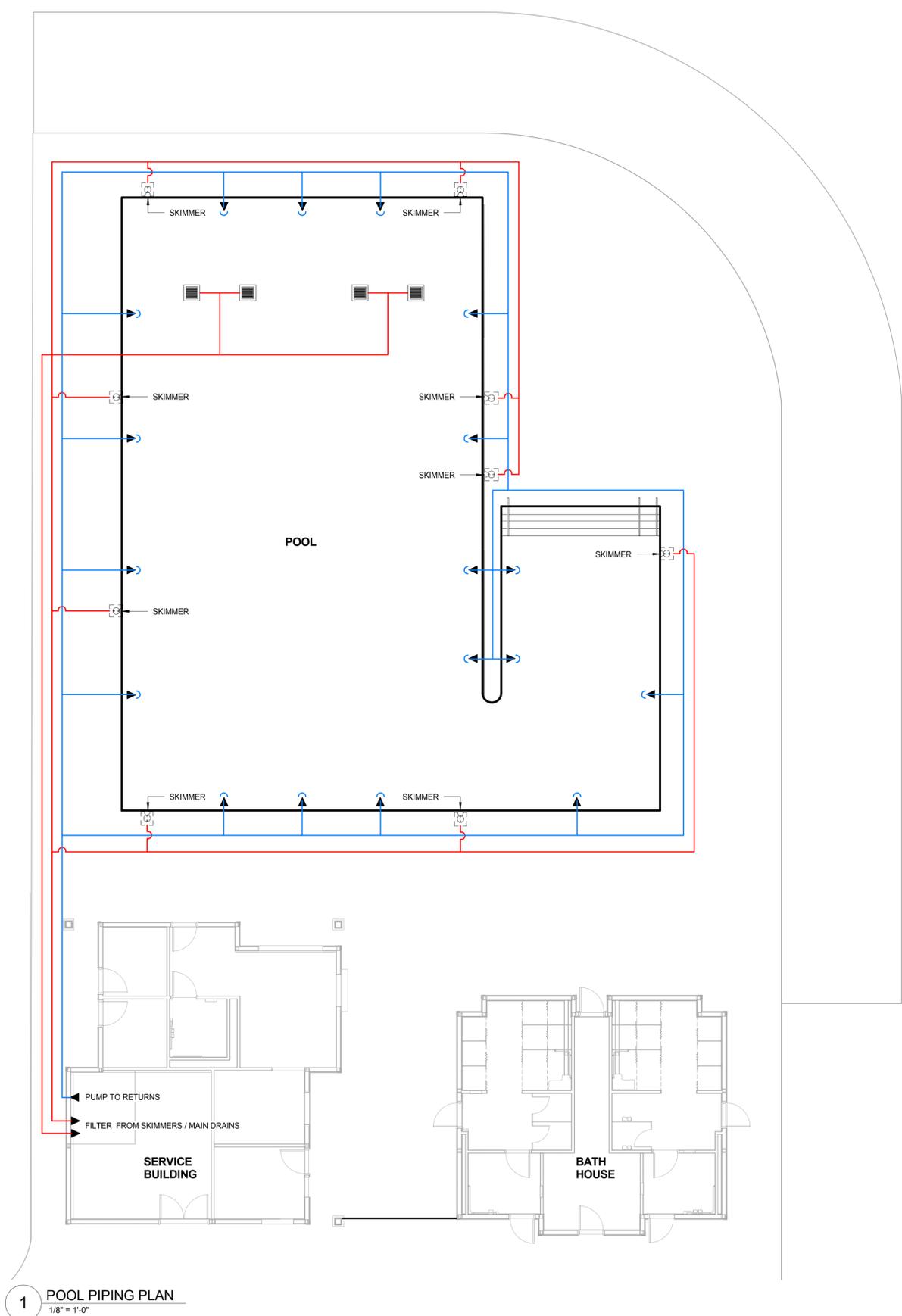
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10/15/2015	DATE OF ISSUE
As Indicated	JWP
SCALE	DRAWN BY
3223	PROJECT #
3223_Patton_Pool.rvt	FILE NAME

DRAWING NUMBER

A803

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 10/15/2015 5:11:14 PM Author



1 POOL PIPING PLAN
 1/8" = 1'-0"

GENERAL NOTES

KEYED NOTES

KEY PLAN

ARCHITECT
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PROJECT NAME
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REVISIONS

NO.	DESCRIPTION	DATE

DRAWING TITLE
POOL PIPING

DRAWING INFORMATION

10/15/2015 DATE OF ISSUE	Author DRAWN BY
1/8" = 1'-0" SCALE	3223_Patton_Pool.rvt FILE NAME
3223 PROJECT #	

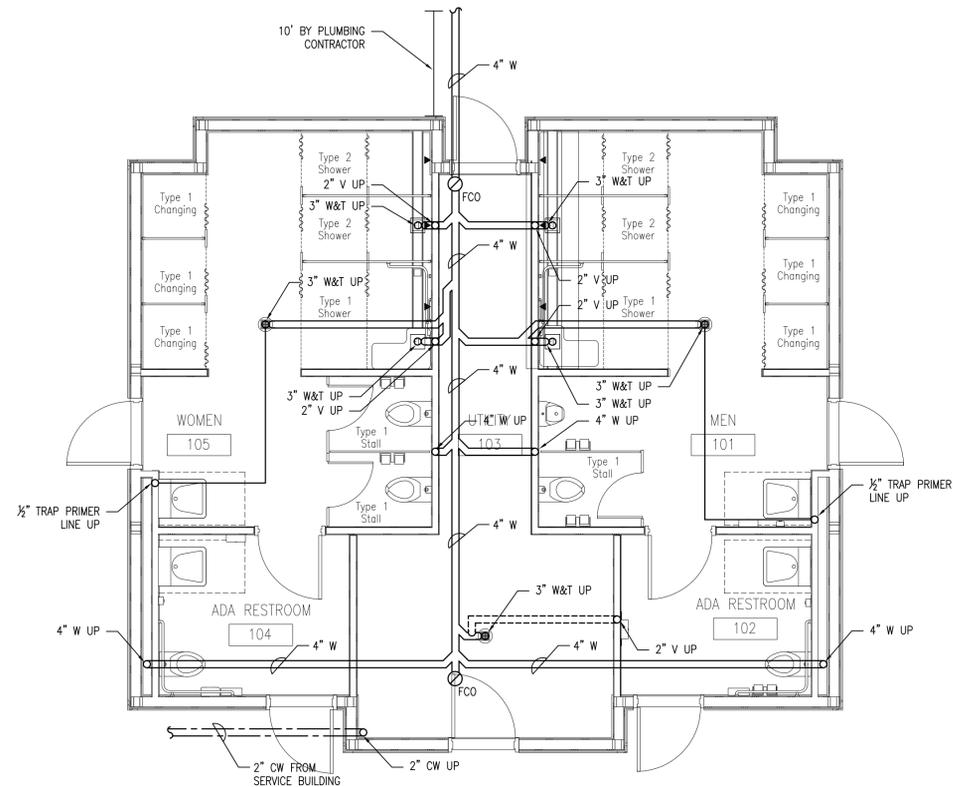
DRAWING NUMBER
A804

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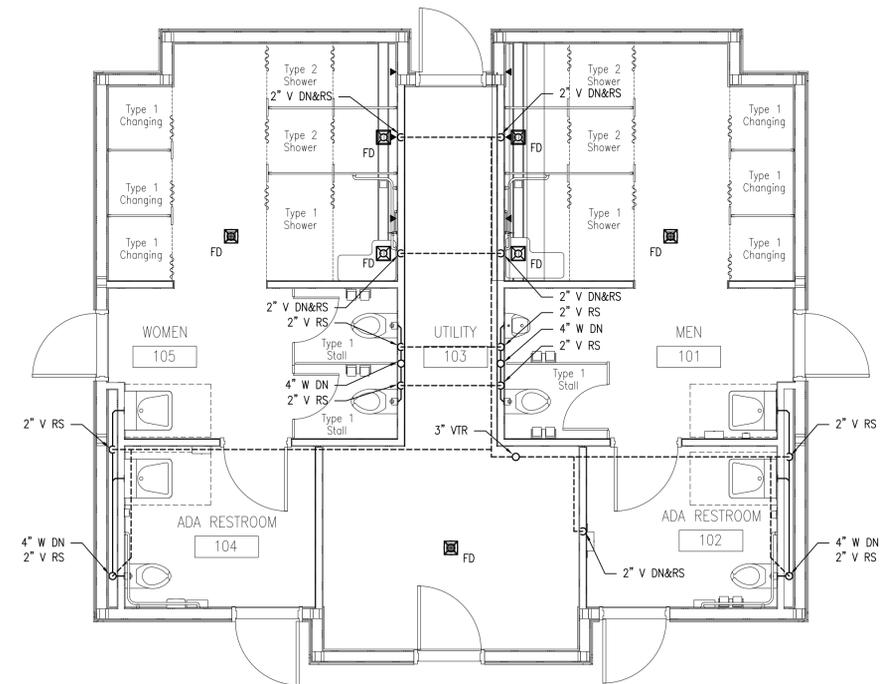
NO.	DATE	DESCRIPTION

**PLBG
BATH HOUSE
PLANS**

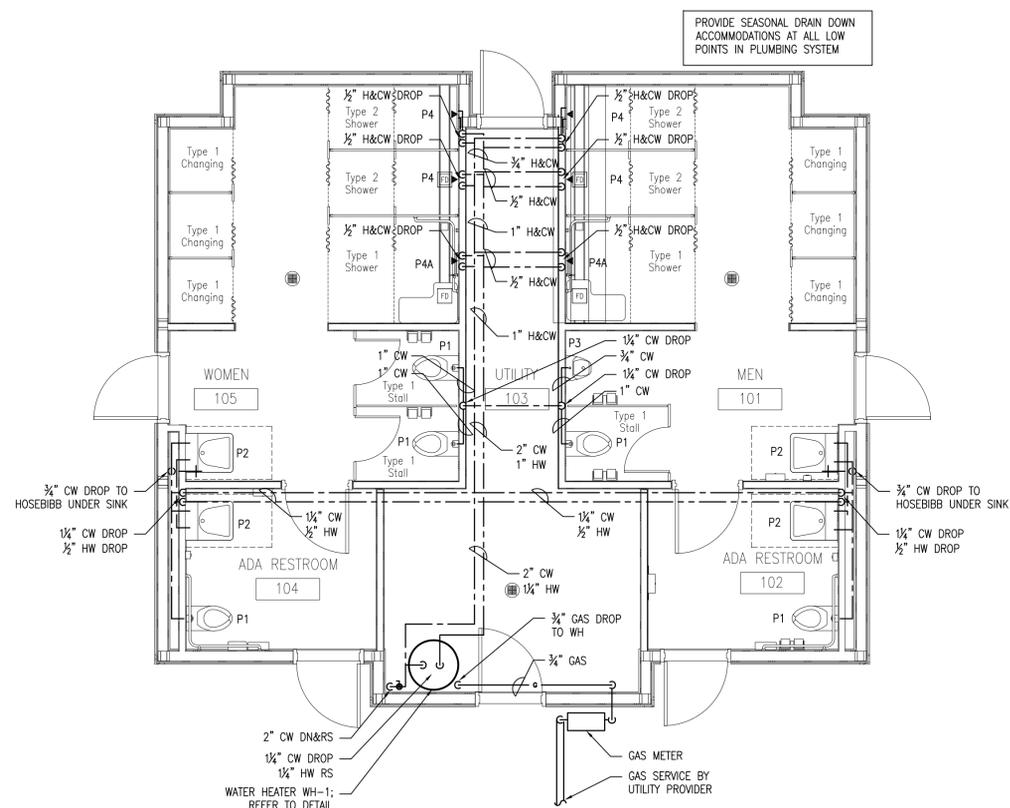
DATE OF ISSUE	10/15/2015
DESCRIPTION	
SCALE	1/4" = 1'-0"
DRAWN BY	JG, AN
PROJECT #	45312.P100.dwg
FILE NAME	



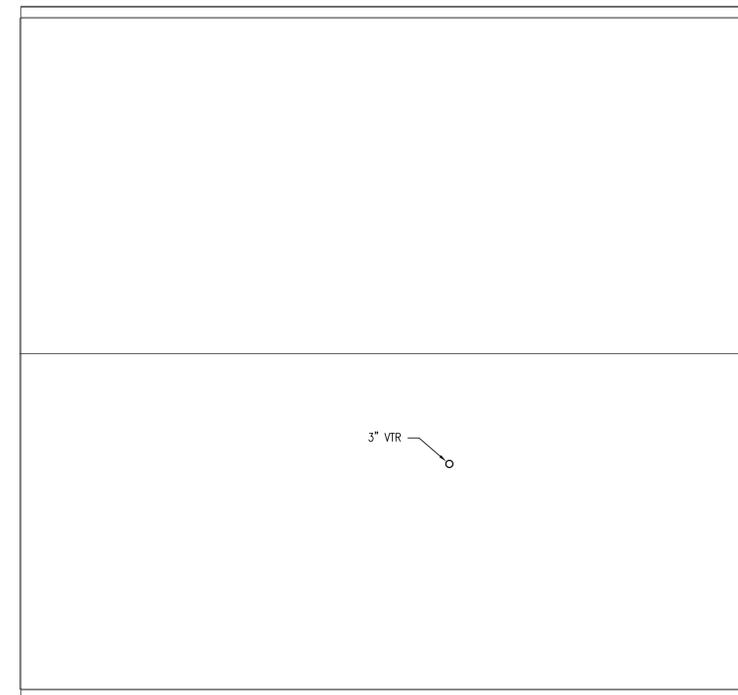
1 BATH HOUSE UNDERGROUND PLAN
1/4" = 1'-0"



1 BATH HOUSE SANITARY FLOOR PLAN
1/4" = 1'-0"



1 BATH HOUSE WATER DISTRIBUTION FLOOR PLAN
1/4" = 1'-0"



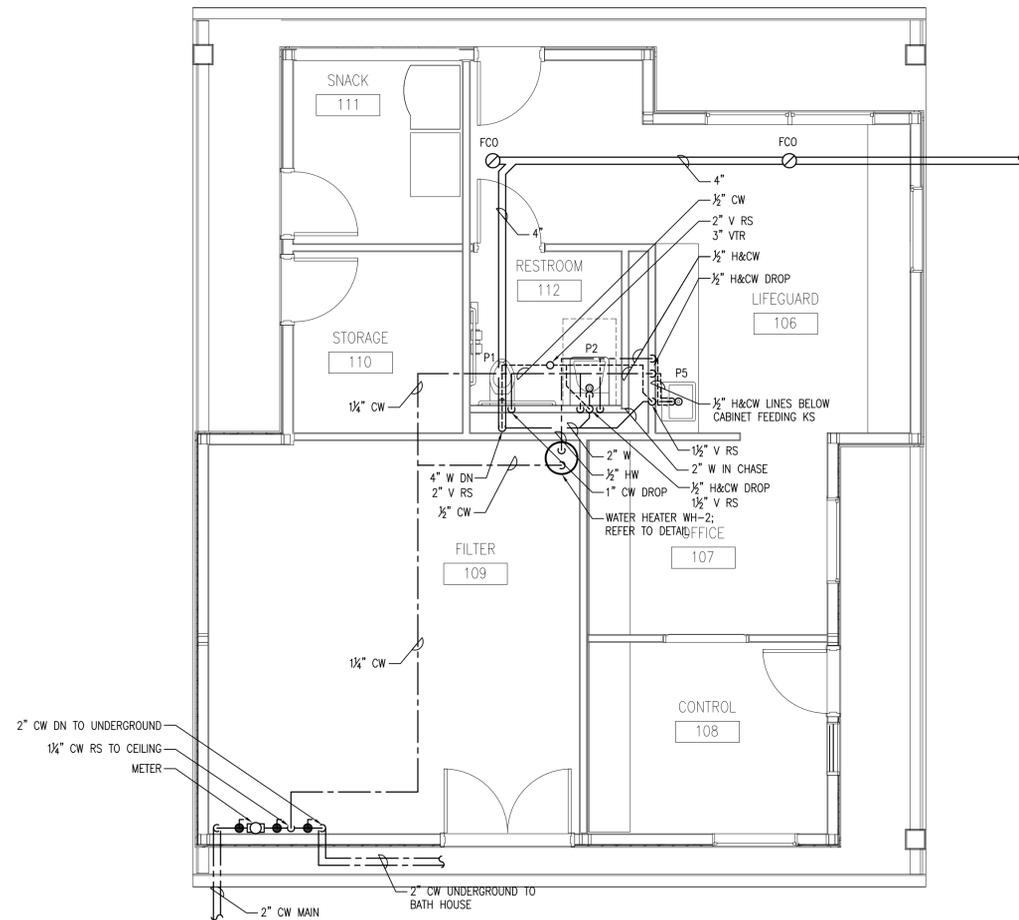
2 BATH HOUSE ROOF PLAN
1/4" = 1'-0"

NO.	DATE	DESCRIPTION

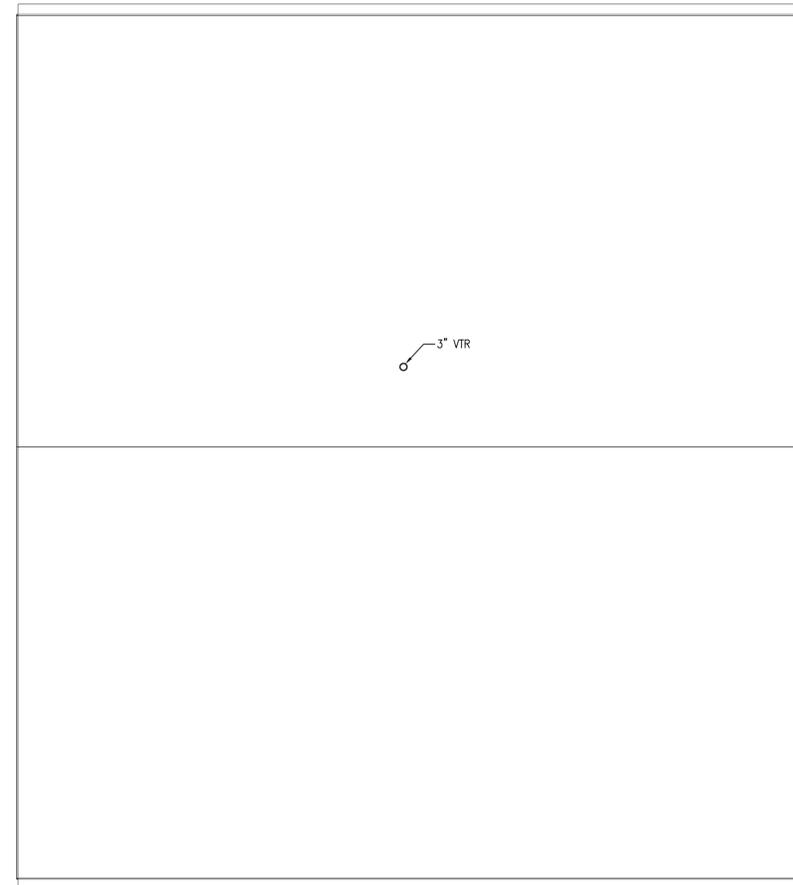
**PLBG
SERVICE
BUILDING
PLANS**

P101

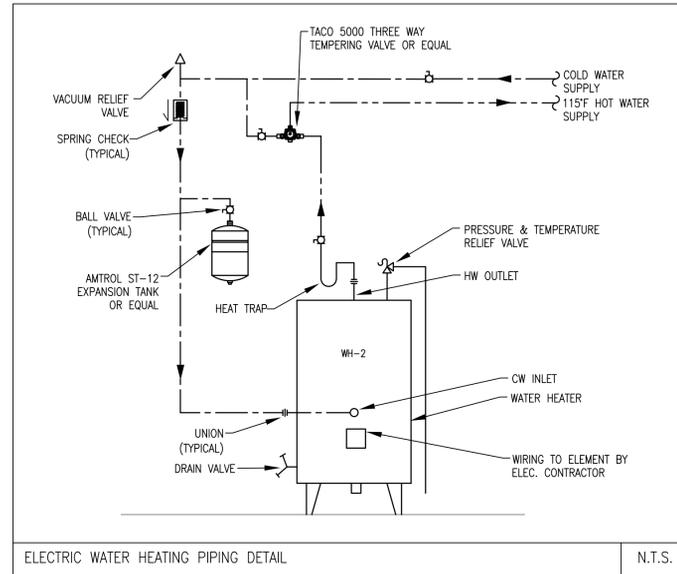
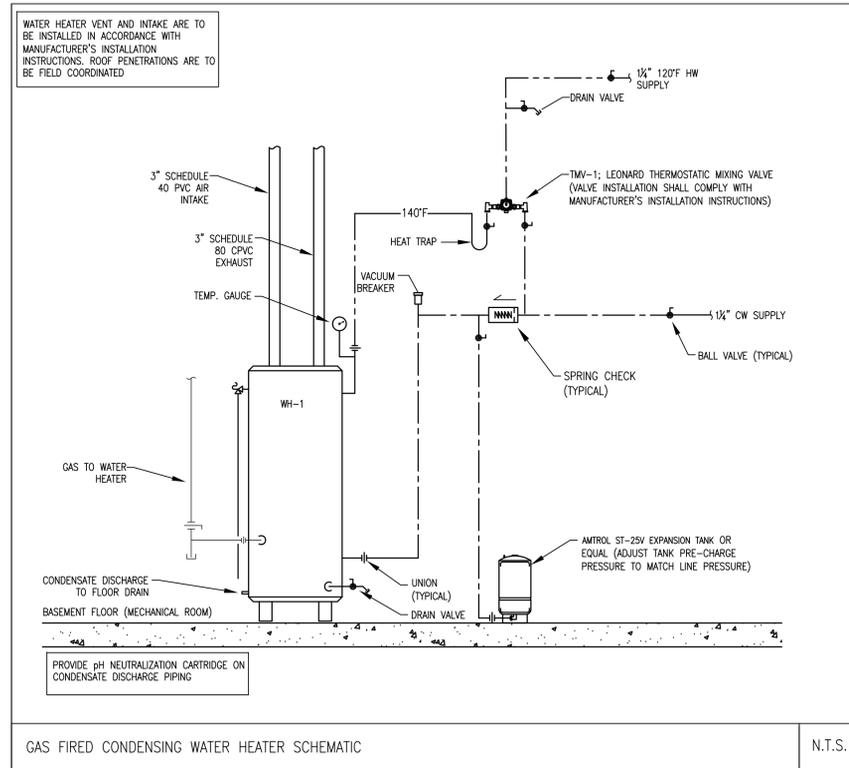
PROVIDE SEASONAL DRAIN DOWN
ACCOMMODATIONS AT ALL LOW
POINTS IN PLUMBING SYSTEM



1 SERVICE BUILDING FLOOR PLAN
1/4" = 1'-0"



2 SERVICE BUILDING ROOF PLAN
1/4" = 1'-0"



SCHEDULE OF WATER HEATER			
DESIGNATION	NAME	LOCATION	DESCRIPTION
WH-1	GAS WATER HEATER	UTILITY ROOM	"LOCHINVAR" SHIELD MODEL #SNR151-100 COMMERCIAL GAS FIRED WATER HEATER OR APPROVED EQUAL; 90 GALLONS STORAGE TANK CAPACITY; 150.0 MBH GAS INPUT; 175 GPH RECOVERY @ 100°F RISE; 1-1/2" WATER CONNECTIONS; 1/2" GAS CONNECTION; 120V-1 PHASE; 3" FLUE AND COMBUSTION AIR CONNECTIONS
WH-2	ELECTRIC WATER HEATER	FILTER ROOM	"STATE" MODEL ES6 30 DORT ELECTRIC WATER HEATER, 30 GAL. CAPACITY, 21 GPH AT A 90°F RISE, DUAL 4500 WATT ELEMENTS WITH STANDARD 120 VOLTAGE
TMV-1	THERMOSTATIC MIXING VALVE	AT WH-1	"LEONARD" MODEL TM-26-E-RF, 3/4" INLET, 3/4" OUTLET, 1 GPM MIN. FLOW CAPACITY, 12 GPM MAX. FLOW @ 15 PSI SYSTEM PRESSURE DROP

PLUMBING FIXTURE SPECIFICATION SCHEDULE

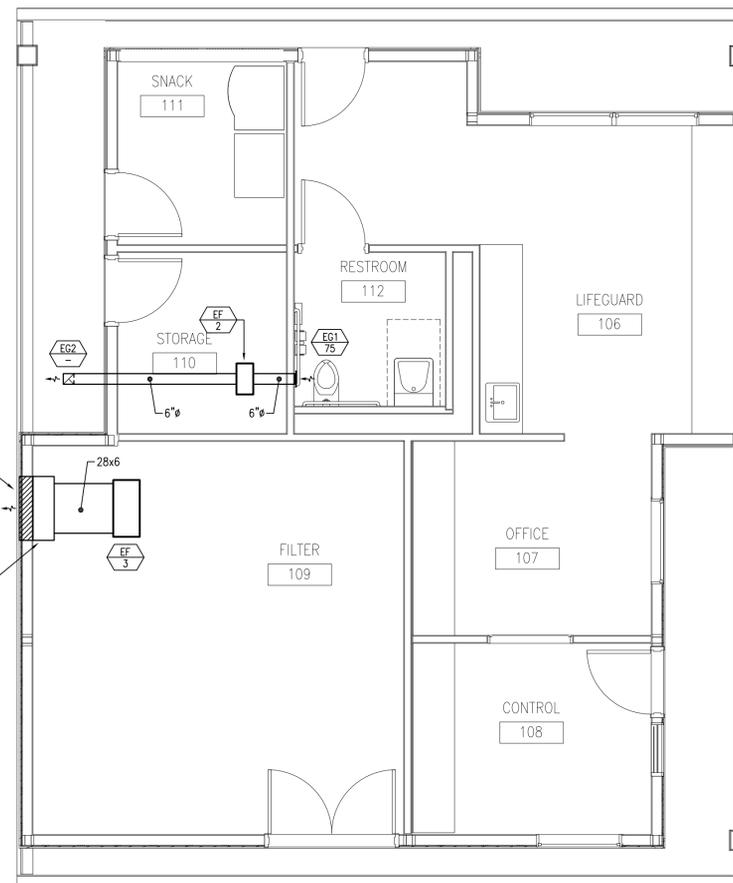
DESIGNATION	FIXTURE SYMBOL	SYMBOL	MANUFACTURER	FIXTURE			FITTING				CARRIER	LOCATION	REMARKS
				MODEL	TYPE	SIZE	MANUF/MODEL#	TYPE	SUPPLY	TRAP			
WATER CLOSET	P1	WC	AMERICAN STANDARD	3351.001	WALL HUNG/ FLUSH VALVE	-	SLOAN ROYAL OPTIMA/ 111-1.28 ES-S TMO	ELECTRONIC SENSOR ACTIVATED FLUSH VALVE	1" CW	INTEGRAL	JR SMITH	AS NOTED	INSTALL PER THE REQUIREMENTS LISTED IN 521 CMR; CONFIRM FINISHES WITH ARCHITECT. PROVIDE WITH OPEN FRONT SEAT
LAVATORY	P2	LAV	AMERICAN STANDARD	MURRO 0955.001EC	WALL HUNG BARRIER FREE LAVATORY	21 1/2"x22"	SLOAN OPTIMA/ EAF-150-ISM-IC	ELECTRONIC SENSOR	1/2" H&CW	1 1/2"	-	AS NOTED	INSTALL PER THE REQUIREMENTS LISTED IN 521 CMR; CONFIRM FINISHES WITH ARCHITECT.
URINAL	P3	UR	AMERICAN STANDARD	WASHBROOK FLOWISE/ 6590.001	WALL HUNG HIGH EFF. ACCESSIBLE URINAL	-	SLOAN ROYAL OPTIMA/ 186-0.125 ES-S	ELECTRONIC SENSOR	3/4" CW	2"	-	AS NOTED	INSTALL PER THE REQUIREMENTS LISTED IN 521 CMR; CONFIRM FINISHES WITH ARCHITECT.
SHOWER	P4	SHWR	CUSTOM	-	-	-	SYMMONS HYDAPIPE/ 1-901S-1.5-56	SURFACE MOUNT SHOWER SYSTEM	1/2" H&CW	2"	-	AS NOTED	INSTALL PER THE REQUIREMENTS LISTED IN 521 CMR; CONFIRM FINISHES WITH ARCHITECT.
ACCESSIBLE SHOWER	P4A	ADA SHWR	CUSTOM	-	-	-	SYMMONS HYDAPIPE/ 1-901S-1.5-FSB-56	SURFACE MOUNT SHOWER SYSTEM	1/2" H&CW	2"	-	AS NOTED	INSTALL PER THE REQUIREMENTS LISTED IN 521 CMR; CONFIRM FINISHES WITH ARCHITECT.
KITCHEN SINK	P5	KITCHEN SINK	ELKAY	LRAD-2219-65-3	ADA COUNTERTOP/ STAINLESS STEEL	-	MOEN COMMERCIAL TWO HANDLE KITCHEN FAUCET/ 8289	-	1/2" H&CW	2"	-	AS NOTED	INSTALL PER THE REQUIREMENTS LISTED IN 521 CMR; CONFIRM FINISHES WITH ARCHITECT.

NO.	DATE	DESCRIPTION

**HVAC
BATH HOUSE
AND SERVICE
BUILDING
PLANS**

10/9/2015	DATE OF ISSUE
DESCRIPTION	
1/4" = 1'-0"	JW_CD
SCALE	DRAWN BY
PROJECT #	4531241100.dwg
	FILE NAME

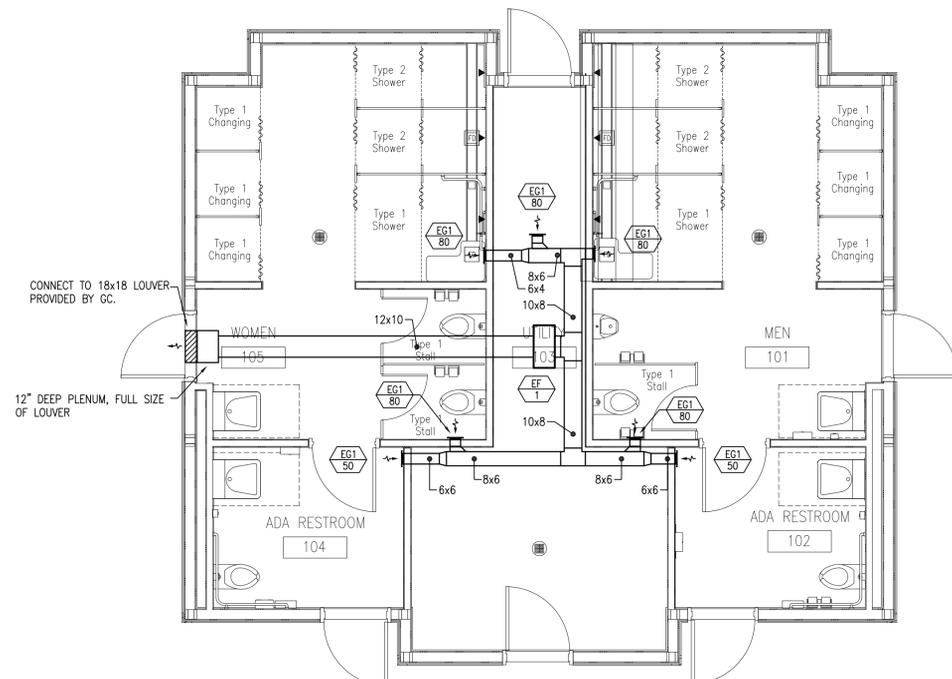
H100



2 SERVICE BUILDING FLOOR PLAN
1/4" = 1'-0"

CONNECT TO 36x18 LOUVER
PROVIDED BY GC.

12" DEEP PLENUM, FULL SIZE
OF LOUVER



1 BATH HOUSE FLOOR PLAN
1/4" = 1'-0"

NOTES:

- EF-1&3 SHALL BE HUNG FROM STRUCTURE ABOVE WITH SPRING-TYPE VIBRATION ISOLATORS. PROVIDE FLEXIBLE DUCT CONNECTIONS AT INLET AND OUTLET.
- EF-1&3 SHALL BE CONTROLLED BY A TIME CLOCK AND AN OCCUPANCY SENSOR. THE FAN SHALL BE ENERGIZED DURING POOL OPERATING HOURS AND SHALL BE ADJUSTABLE. IF THE ROOM OCCUPANCY SENSOR INDICATES THAT THE ROOM IS OCCUPIED DURING TIMECLOCK "OFF" PERIODS, THE FAN SHALL BE ENERGIZED. THE TIMECLOCK SHALL BE PROVIDED BY THE HVAC SUB-CONTRACTOR AND THE THE OCCUPANCY SWITCH SHALL BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR.
- EF-2 SHALL BE SWITCHED WITH THE RESTROOM LIGHTS, THE WIRING AND SWITCH SHALL BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR.
- ALL DUCTWORK SHALL BE SHEET METAL.

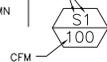
FAN SCHEDULE

TAG	SERVICE	CFM	HP	SP	RPM	VOLTAGE	MANUFACTURER MODEL NO.	REMARKS
EF-1	BATH HOUSE	500	350W	0.5	882	120/1/60	GREENHECK / CSP-A700	SOLID STATE SPEED CONTROL
EF-2	RESTROOM 132	75	35W	0.25	-	120/1/60	PANASONIC / FV-10NLF1	-
EF-3	FILTER ROOM	1,300	550W	0.25	973	120/1/60	GREENHECK / CSP-A1750	SOLID STATE SPEED CONTROL, 1/4" WIRE MESH INLET SCREEN

NOTE: PRODUCTS SHALL BE AS INDICATED OR APPROVED EQUAL FROM COOK FAN OR PENN VENTILATOR FOR EF-1 & 3 AND BROAN OR NUTONE FOR EF-2.

GRILLES, REGISTERS & DIFFUSERS SCHEDULE

DIFFUSER TYPE (FIRST LETTER) AND CFM RANGE (SECOND DIGIT). SEE COLUMN TAG BELOW.



TAG	DIFFUSER/GRILLE TYPE	CFM RANGE	NECK INLET SIZE	SIZE	MANUFACTURER/MODEL	REMARKS
EG-1	WALL EXHAUST	0-190	-	6x6	TITUS / 8F	OPPOSED BLADE DAMPER
EG-2	CEILING EXHAUST	0-190	-	6x6	TITUS / 8F	-

NOTE: PRODUCTS SHALL BE AS INDICATED APPROVED EQUAL FROM METAL-AIRE OR PRICE.

GENERAL NOTES

- THE SIZES OF ELECTRICAL RACEWAY SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS AND SHALL MEET THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- MINIMUM WIRE SIZE SHALL BE #12 SOLID AWG FOR 20A LIGHTING/ RECEPTACLE BRANCH CIRCUIT; #12 AWG SOLID FOR #20A APPLIANCE BRANCH CIRCUITS; #10 SOLID AWG FOR 30A DRYER BRANCH CIRCUIT; #8 STRANDED AWG FOR 40 TO 50A RANGE CIRCUIT.
- MINIMUM WIRE SHALL BE #12 FOR BRANCH CIRCUIT RUNS UP TO 100' TO THE LAST OUTLET; OVER 100'-#10; OVER 150'-#8 AND INCREASE CONDUIT SIZE AS REQUIRED BY LOCAL ELECTRICAL CODE.
- ALL WIRING INSTALLATION SHALL BE COLOR CODED AS PER CODE. CONDUCTORS SIZED #10 AND LOWER SHALL BE SOLID; #8 AND HIGHER STRANDED.
- ALL WIRING DEVICES, PANEL BOARDS, DISTRIBUTION BOARDS, MOTORS, ETC., SHALL BE GROUNDED AS PER LOCAL ELECTRICAL CODE.
- ALL WORK SHALL BE INSTALLED IN FULL ACCORDANCE WITH LOCAL CODES, STATE AND LOCAL AUTHORITIES. FILE ALL PLANS, OBTAIN ALL PERMITS, PAY ALL FEES, SCHEDULE ALL INSPECTIONS, MAKE ALL TESTS AND OBTAIN ALL APPROVALS REQUIRED. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL ELECTRIC CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. ALL COMPONENTS SHALL BE UL APPROVED AND LISTED.
- WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, SPECIFICATIONS, & LAWS & ORDINANCES, THE MOST STRINGENT SHALL APPLY.
- SUBMIT FOR APPROVAL, COMPLETE SHOP DRAWINGS, LIST OF MATERIALS AND DETAILED DATA OF EQUIPMENT GIVING THE MANUFACTURER'S NAME, CATALOG NUMBER, SIZE, CAPACITY AND DIMENSIONS. NO EQUIPMENT SHALL BE INSTALLED OR FABRICATED WITHOUT OBTAINING APPROVAL.
- ALL MOTORS SHALL BE SUPPLIED WITH MOTOR STARTERS BY OTHERS UNLESS CLEARLY INDICATED OTHERWISE ON THE CONTRACT DOCUMENTS. SHORT CIRCUIT PROTECTION SHALL BE BY MCP OR FUSED DISCONNECT SWITCH AS SHOWN OR SPECIFIED.
- MANUALLY CONTROLLED SINGLE PHASE MOTORS SHALL HAVE FULLY RATED MANUAL MOTOR STARTER SWITCHES WITH O.L. HEATERS IN EACH UNGROUNDED LEG.
- CIRCUIT RUNS ARE SHOWN DIAGMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. CONDUITS AND CABLES SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
- CABLES/CONDUCTORS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO MOTORS AND OTHER EQUIPMENT.
- THE QUANTITY AND SIZE OF WIRES AND CONDUIT SHOWN ON DRAWINGS AND WIRING DIAGRAMS REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS.
- SWITCHES SHALL BE MOUNTED 4'-0" MAX ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. RECEPTACLES SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-7".
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LOCATIONS. LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE ARCHITECTURAL DRAWINGS, WITH THE DISTANCE BEING MEASURED FROM THE BOTTOM OF THE LIGHTING FIXTURE TO THE FINISHED FLOOR.
- THE HVAC CONTROL EQUIPMENT AND MISCELLANEOUS DEVICES, OUTLET, SWITCHES, JUNCTION, PULL AND TERMINAL BOXES SHALL BE PROVIDED WITH NEMA ENCLOSURE SUITABLE TO THE ENVIRONMENT.
- CONDUIT FOR WIRING CONCEALED IN FLOOR SLABS, OR BELOW GRADE SHALL BE 1" MINIMUM PVC.
- CONFIRM EXACT POWER REQUIREMENTS AND CONNECTION LOCATIONS FOR ALL EQUIPMENT PRIOR TO INSTALLATION WITH PLUMBING/HVAC AND GENERAL CONTRACTOR.
- COORDINATE THE CENTER-LINE OF ALL OUTLET BOXES, SPECIFIC LOCATION AND ROUGH WIRING PRIOR TO INSTALLING DEVICES FOR ALL APPLIANCES AND EQUIPMENT. REFER TO THE ARCHITECTS DRAWINGS AND MANUFACTURER'S SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
- WORK SHALL COORDINATE WITH THAT OF OTHER TRADES TO MINIMIZE CONFLICTS AND ELIMINATE INTERFERENCES.
- EXACT LOCATION OF MECHANICAL AND PLUMBING SYSTEM EQUIPMENT SHALL BE VERIFIED WITH THE APPROPRIATE CONTRACTOR PRIOR TO INSTALLING THE SYSTEMS.
- ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND THE CONTRACTOR SHALL KEEP HIS PORTION OF THE WORK CLEAN AND ORDERLY.
- ALL 20A, GFCI RECEPTACLES INSTALLED OUTDOORS IN WET OR DAMP LOCATIONS SHALL BE LISTED WEATHER-RESISTANT.
- PROVIDE RAIN-TIGHT WHILE IN USE COVERS ON ALL OUTDOOR GFCI RECEPTACLES.
- ALL EXTERIOR DISCONNECTS ARE TO BE NEMA-3R.

LIGHTING SCHEDULE GENERAL NOTES (SCHEDULE ON SHEET E2.0):

ALL FIXTURES INSTALLED IN OR AROUND FIRE RATED OR IC RATED ASSEMBLIES ARE TO BE EQUIPPED WITH RATED BOXES BY TENMAT (SIZE TO SUIT FIXTURE) IF NOT INHERENTLY RATED.

THE ELECTRICAL CONTRACTOR IS TO VERIFY THE VOLTAGE OF THE FIXTURE WITH THE CIRCUIT AVAILABLE PRIOR TO ORDERING.

MOUNTING HEIGHTS, MOUNTING OPTIONS, FINISHES AND OPTIONS ARE TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO ORDERING THE FIXTURES.

FIXTURES SHOWN ON ARCHITECTURAL PLANS OVER-RIDE THOSE SHOWN ON THE ELECTRICAL PLAN. REVIEW BOTH PLANS AND PROVIDE THE LARGER QUANTITY OF EACH TYPE.

CLARIFICATION IS TO BE OBTAINED, PRIOR TO BID, REGARDING ANY QUESTIONS RELATED TO THE LIGHTING SYSTEM.

THE E.C. IS TO COMPLETE THE INSTALLATION OF ANY ADDITIONAL LIGHTING CONTROLS SUCH AS OCCUPANCY SENSORS, ETC. THAT ARE INCLUDED WITH THE FIXTURE PACKAGE.

ALL LAMPING AND FIXTURE WHIPS ARE TO BE INCLUDED.

BRANCH CIRCUIT WIRING

- ALL BRANCH CIRCUIT WIRING SHALL BE COPPER - TYPE AS LISTED IN THE SPECIFICATIONS UNLESS OTHERWISE NOTED.
- FOR CLARITY, ALL BRANCH CIRCUIT WIRING IS NOT SHOWN, HOWEVER A COMPLETE BRANCH CIRCUIT WIRING SYSTEM IS TO BE INSTALLED IN ACCORD WITH THE DEVICES AND CIRCUIT NUMBERS SHOWN.
- WIRING SHOWN ON DRAWINGS IS FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
- ALL BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NO SHARED NEUTRALS WILL BE ALLOWED. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS.
- TYPICAL CIRCUITING**
"A" DENOTES FIXTURE TYPE, "P1A,33" DENOTES PANEL & CIRCUIT NUMBER, "b" DENOTES SWITCH CONTROL. ALTERNATIVELY CIRCUITING MAY BE LOOPED

MEP COORDINATION

- ALL ELECTRICALLY POWERED HVAC, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE PROVIDED WITH LOCAL DISCONNECT SWITCHES. THE SWITCHES SHALL BE PROVIDED BY THE E.C. UNLESS NOTED OTHERWISE.
- ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC, PLUMBING OR FIRE PROTECTION SUBCONTRACTOR (TO DIVISION 16 SPECIFICATION REQUIREMENTS). INSTALLED AND WIRED BY THE E.C. STARTERS WILL BE MAGNETIC ACROSS THE LINE (AMBIENT COMPENSATED MOTOR OVERLOAD HEATERS IN ALL CURRENT CARRYING CONDUCTORS) WITH HOA SWITCH, MANUAL TOGGLE TYPE FOR SINGLE PHASE MOTORS WHICH DO NOT REQUIRE AUTOMATIC CONTROL.
- SPEED CONTROL: LINE VOLTAGE SPEED CONTROL SWITCHES FOR FRACTIONAL HORSEPOWER MOTORS THAT REQUIRE SPEED CONTROL SHALL BE SUPPLIED BY THE HVAC CONTRACTOR AND INSTALLED AND WIRED BY THE E.C.
- THERMOSTATS ARE SHOWN ON THE MECHANICAL PLAN - PROVIDE FOR EACH THERMOSTAT PER THE LEGEND (T SYMBOL).
- ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR / STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.

LIGHTING LEGEND

SYMBOLS	DESCRIPTION
\$	20A, 120/277 VAC SINGLE POLE, TOGGLE SWITCH - FLUSH WALL MOUNTED.
\$3	3-WAY SWITCH
—	LIGHTING CONTROLS WITH PHOTOCELL OVER-RIDE FOR LIGHTING. USE TORX #DZS400A OR APPROVED EQUAL. LIGHTING TO BE PROGRAMMED USING TIMER WITH THE PHOTOCELL SERVING AS AN OVER-RIDE
F1 a	2x4 FLUORESCENT LIGHTING FIXTURE CEILING OR RECESSED MOUNTED. "F1" INDICATES FIXTURE TYPE, "LP,2" INDICATES CIRCUIT NUMBER, "a" INDICATES SWITCH CONTROL
LP,2	
○	ROUND FIXTURE - SEE FIXTURE SCHEDULE FOR EXACT TYPE
○	WALL MOUNTED FIXTURE
□	SURFACE MOUNTED FIXTURE - SEE SCHEDULE FOR EXACT TYPE
\$U	WALL MOUNTED ULTRASONIC MOTION DETECTOR/SENSOR, SINGLE CIRCUIT - USE WATTSTOPPER UW-100 OR APPROVED EQUAL MANUFACTURER
◇	DUAL TECHNOLOGY OCCUPANCY SENSOR WITH SYMMETRIC DISTRIBUTION WITH POWER PACK AND MOUNTING ACCESSORIES - USE WATTSTOPPER #D1-300 OR APPROVED EQUAL MANUFACTURER
◇	FIXTURE TYPES AS SCHEDULED IN THE LIGHTING SCHEDULE.

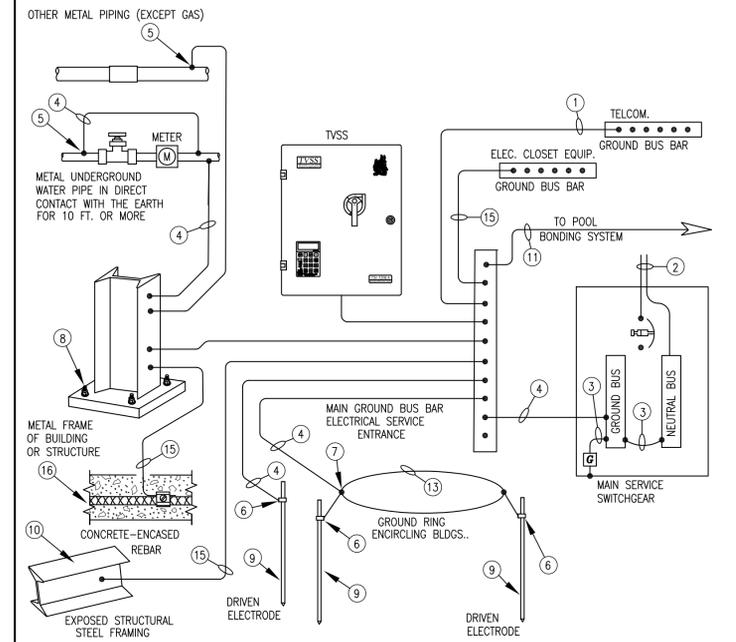
COMMUNICATIONS LEGEND

SYMBOLS	DESCRIPTION
▽	DATA/TELEPHONE OUTLET WITH 3/4" CONDUIT AND (2) CAT-6 CABLES (TERMINATED ON BOTH ENDS) RUN TO THE TELEPHONE BACKBOARD

LIGHTING GENERAL NOTE:
REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT FIXTURE LOCATIONS - ARCHITECTURAL LOCATIONS OVER-RIDE THE LOCATIONS SHOWN ON THE ELECTRICAL PLANS.

POWER LEGEND

SYMBOLS	DESCRIPTION
⊖	20A, 125 VAC 2P, 3W., GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED.
⊖	20A, 125 VAC 2P, 3W., GROUNDING TYPE, DOUBLE DUPLEX RECEPTACLE. FLUSH WALL MOUNTED.
⊖	RECEPTACLE, DUPLEX GFCI
⊖	DUPLEX GFCI RECEPTACLE MOUNTED 6" ABOVE COUNTER
⊖	DUPLEX GFCI RECEPTACLE WITH WEATHER PROOF COVER/BOX
⊖	SPECIALTY OUTLET, MATCH OUTLET TYPE TO EQUIPMENT
—	SURFACE PANEL - SEE RESPECTIVE SCHEDULE.
—	FLUSH PANEL - SEE RESPECTIVE SCHEDULE.
↓	HOMERUN TO PANEL
⊖	FUSED DISCONNECT SWITCH, FUSE SIZE TO MATCH MFR. RECOMMENDATIONS
⊖	NONFUSABLE DISCONNECT SWITCH
⊖	SAFETY SWITCH, HORSEPOWER RATED
⊖	JUNCTION BOX
⊖	FAN
⊖	MOTOR
⊖	PUMP
⊖	CONNECTION TO GROUND
⊖	120 VOLT CARBON MONOXIDE DETECTOR - LOCAL ALARM ONLY
⊖	ELECTRICITY USAGE METER



GROUNDING ELECTRODE SYSTEM DETAIL

- GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC 250.66
- INCOMING SERVICE CONDUCTORS FROM UTILITY TRANSFORMER WITH GROUNDED WYE SECONDARY AND GROUNDED (NEUTRAL) CONDUCTOR.
- MAIN EQUIPMENT BONDING JUMPER SIZED PER NEC 250.66.
- EQUIPMENT BONDING CONDUCTOR SIZED PER NEC TABLE 250.66.
- GROUNDING CLAMP
- CADWELD TYPE "GY" CONNECTION.
- EXOTHERMICALLY WELDED CONNECTION.
- BASE PLATE AND ANCHOR BOLT INTO REINFORCED CONCRETE PIER OR FOOTING. ANCHOR BOLT BONDED TO CONCRETE REINFORCING.
- 3/4" DIA. x 10ft LONG COPPER-CLAD GROUND ROD.
- EXPOSED STEEL FRAMING LOCATIONS. BOND PER NEC 250.104.C.
- EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC 250.122.
- GROUNDED (NEUTRAL) CONDUCTOR.
- COUNTERPOISE GROUNDING CONDUCTOR AT 30" BELOW FINISHED GRADE. (PERIMETER FOR FOUNDATION GROUND RING)
- NOT USED.
- EQUIPMENT GROUNDING CONDUCTOR.
- REBAR ENCASED IN CONCRETE MINIMUM OF 20ft IN LENGTH, REFER TO NEC 250.52.

NOTE 1

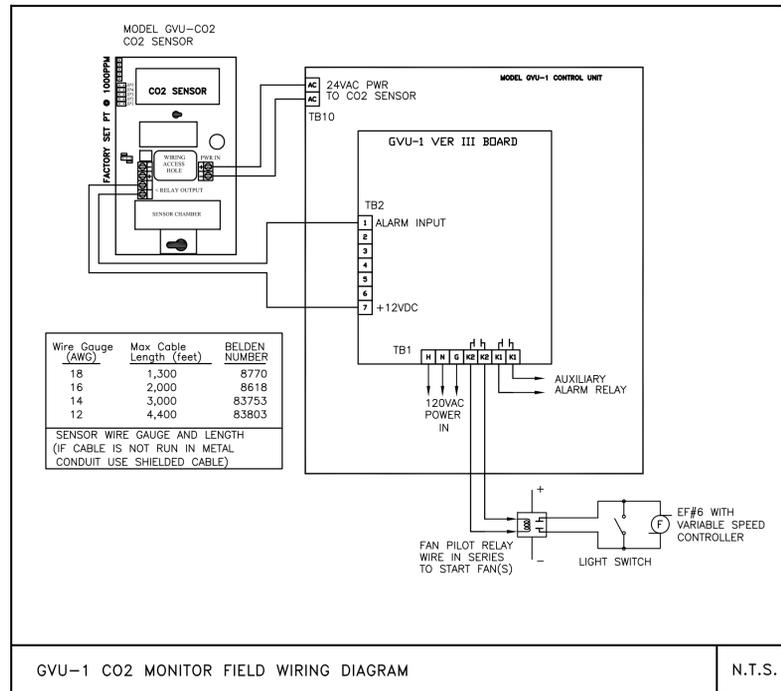
IT IS ABSOLUTELY NECESSARY TO ASSURE THE GROUND USED FOR THE AC POWER IS THE SAME AS THE GROUND USED FOR THE DATA AND COMMUNICATION LINE SURGE PROTECTION EQUIPMENT. A BONDED COMMON GROUND REFERENCE MUST BE PROVIDED FOR ALL CONNECTED EQUIPMENT. THE EARTH GROUND RESISTANCE IS RECOMMENDED TO BE LESS THAN 10 OHMS.

NOTE 2

THESE DATA/TELCO SUPPRESSION DEVICES ARE INTENDED FOR INSTALLATION AT THE POINT OF DEMARCATION CLOSE TO THE BUILDING SERVICE BUILDING GROUND, TO FACILITATE GROUND WIRE CONNECTION TO THE SAME REFERENCE AS THE BUILDING SERVICE GROUND.

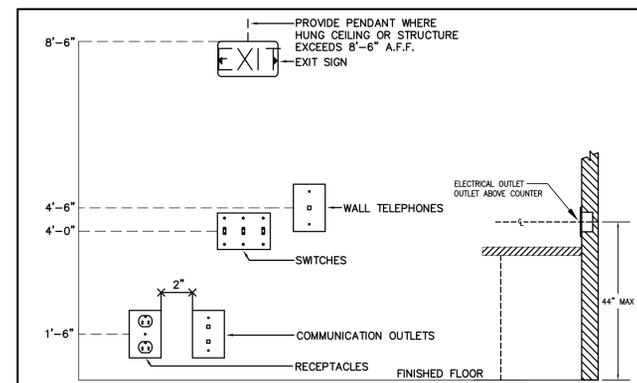
GROUNDING SYSTEMS DETAIL

N.T.S.



GVU-1 CO2 MONITOR FIELD WIRING DIAGRAM

N.T.S.



NOTES

- ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS
- DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
- ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED.
- REFER TO THE ARCHITECTS ELEVATION DETAILS FOR EXACT HEIGHT AND LENGTH OF SURFACE RACEWAYS.

MOUNTING HEIGHT DETAIL

N.T.S.

SUBSCRIPTS & ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER (GFCI)
LV	LOW VOLTAGE
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
W	WALL MOUNTED
WP	WEATHER PROOF
X	ABOVE COUNTER TOP

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REVISIONS

DRAWING TITLE

**ELECTRICAL
LEGEND,
SCHEDULES
& DETAILS**

DRAWING INFORMATION

10/15/2015

DATE OF ISSUE

DESCRIPTION

1/4" = 1'-0"

SCALE

AP_RB

DRAWN BY

PROJECT #

45312-E000.dwg

FILE NAME

DRAWING NUMBER

E000

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ELECTRICAL GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE LOCATION OF ALL UNDERGROUND UTILITIES WITH THE CIVIL PLANS AND IN THE FIELD. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE OF EXISTING WORK DURING TRENCHING/EXCAVATION PERFORMED FOR THE WORK SHOWN ON THIS PLAN.
2. PANEL LOCATIONS ARE DETERMINED BY THE ENLARGED POWER PLANS - VERIFY WITH THE POWER PLAN PRIOR TO ROUGH-IN.
3. ALL SECONDARY AND EXTERIOR UNDERGROUND CONDUIT IS TO BE RUN IN A DUCTBANK (SEE DETAILS AND SPECIFICATIONS) AT 36" BELOW FINISHED GRADE.
4. CONDUIT ROUTING IS SHOWN DIAGRAMMATIC. COORDINATE WITH ALL TRADES TO AVOID CONFLICTS SUCH AS WATER PIPES, EXISTING CONDUITS, FOOTINGS, FOUNDATIONS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR/REIMBURSE ANY COSTS ASSOCIATED WITH DAMAGES TO EXISTING IN-GROUND WORK.
5. A MINIMUM DISTANCE OF 12" SHALL BE MAINTAINED BETWEEN ALL CONDUITS.
6. FIELD VERIFY EXACT LOCATIONS PRIOR TO RUNNING THE CONDUITS. MOUNT PER DETAILS SHOWN ON LANDSCAPING, CIVIL AND ARCHITECTURAL PLANS.

A POOL GROUNDING AND BONDING SYSTEM SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR (REFER TO THE SPECIFICATION SECTION).

ALL OF THE FOLLOWING METALLIC PARTS IN A PERMANENTLY INSTALLED SWIMMING POOL ARE TO BE BONDED WITH A #8 AWG SOLID OR LARGER CONDUCTOR:

•CONCRETE REINFORCING STEEL AND ALL METALLIC STRUCTURAL COMPONENTS. UNCOATED REINFORCING STEEL AND ALL OTHER METALLIC STRUCTURES.

•UNDERWATER LIGHTING. ALL METALLIC PARTS (HOUSINGS AND MOUNTING BRACKETS).

•METAL FITTINGS. METAL FITTINGS FOR PIPES, DRAINS AND WATER INLETS.

•ELECTRICAL EQUIPMENT. ALL METAL PARTS OF ANY ELECTRICAL EQUIPMENT ASSOCIATED WITH THE POOL INCLUDING PUMPS AND RECIRCULATING EQUIPMENT, HEATERS AND BLOWERS AND AUTOMATIC COVERS.

•METALLIC TUBING AND CONDUIT, METAL-SHEATHED CABLE, METAL PIPING AND ALL FIXED METAL PARTS. IN ADDITION TO METAL WIRING METHODS AND EQUIPMENT, ANY COMPONENT WITHIN 5' HORIZONTALLY AND 12' VERTICALLY FROM THE WATER MUST BE BONDED.

ALL OF THE BONDED PARTS IN OR AROUND THE SWIMMING POOL SHALL BE ATTACHED TO AN EQUIPOTENTIAL BONDING GRID. THIS GRID MUST EXTEND 3' BEYOND THE INSIDE SURFACE OF THE POOL UNDER CONCRETE, STONE OR OTHER PAVED WALKING SURFACES. THIS GRID CAN CONSIST OF THE FOLLOWING:

•REINFORCING STEEL. UNCOATED REINFORCING STEEL OF A CONCRETE POOL (POURED OR SPRAYED, WITH PAINTED OR PLASTER COATINGS) CAN BE USED AS THE EQUIPOTENTIAL BONDING GRID.

•COPPER GRID. A GRID CONSTRUCTED WITH A MINIMUM OF #8 AWG BARE SOLID COPPER CONDUCTORS WITH 12" X 12" SPACING.

EQUIPOTENTIAL GRID SHALL CONSIST OF #8 AWG OR LARGER SOLID COPPER CONDUCTOR, 12X12 SPACING PER NEC 680.26(C)(3).

CONNECTIONS SHALL CONSIST OF BONDING CONDUCTOR, #8 AWG OR LARGER SOLID COPPER, CONNECTED PER NEC 250.8

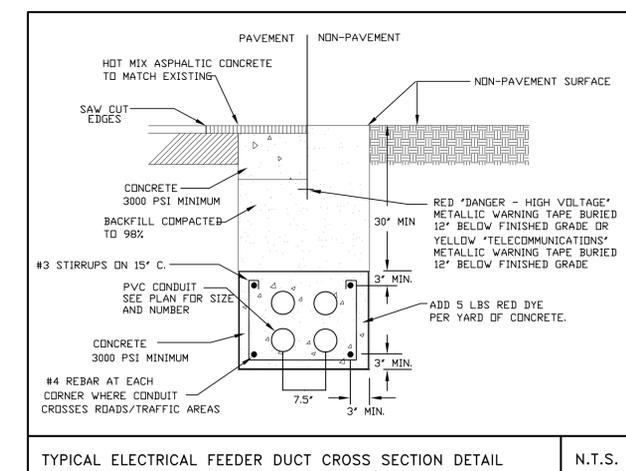
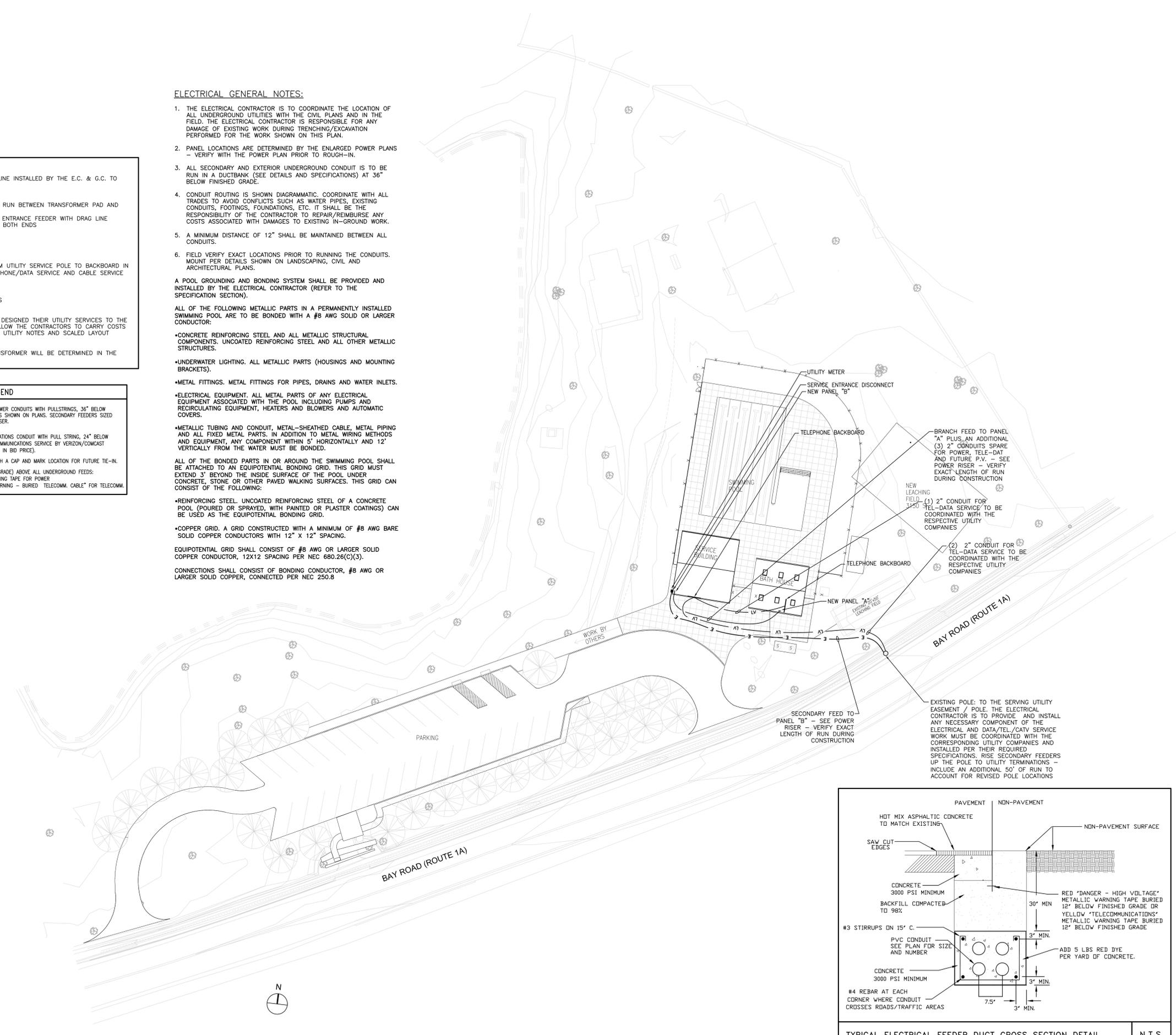
NOTES:

1. ALL WORK INSIDE THE PROPERTY LINE INSTALLED BY THE E.C. & G.C. TO UTILITY CO. STANDARDS
- 2) SECONDARY SERVICE:
 - a. SIZED PER THE POWER RISER AND RUN BETWEEN TRANSFORMER PAD AND SERVICE ENTRANCES.
 - b. BURY 36" DEEP, PROVIDE SERVICE ENTRANCE FEEDER WITH DRAG LINE
 - c. PROVIDE SECONDARY TERMINATIONS BOTH ENDS
 - d. MARKER TAPE 6" BELOW GRADE
 - e. TRENCHING AND BACKFILLING
- 3) TELEPHONE/CABLE SERVICE:
 - a. 2 - 2" PVC WITH DRAG LINE FROM UTILITY SERVICE POLE TO BACKBOARD IN COMMUNICATIONS ROOM FOR TELEPHONE/DATA SERVICE AND CABLE SERVICE
 - b. BURY 24" DEEP
 - c. MARKER TAPE 6" BELOW GRADE
 - d. TRENCHING AND BACKFILLING
 - e. GROUND AND DUPLEX RECEPTACLES
 - f. HINGED SPLITTER BOX
- 4) THE UTILITY COMPANIES HAVE NOT DESIGNED THEIR UTILITY SERVICES TO THE SITE. THE LAYOUT SHOWN WILL ALLOW THE CONTRACTORS TO CARRY COSTS FOR EACH SERVICE BASED ON THE UTILITY NOTES AND SCALED LAYOUT INDICATED ON THE PLAN.
- 5) THE EXACT LOCATION OF THE TRANSFORMER WILL BE DETERMINED IN THE FIELD BY THE UTILITY COMPANY.

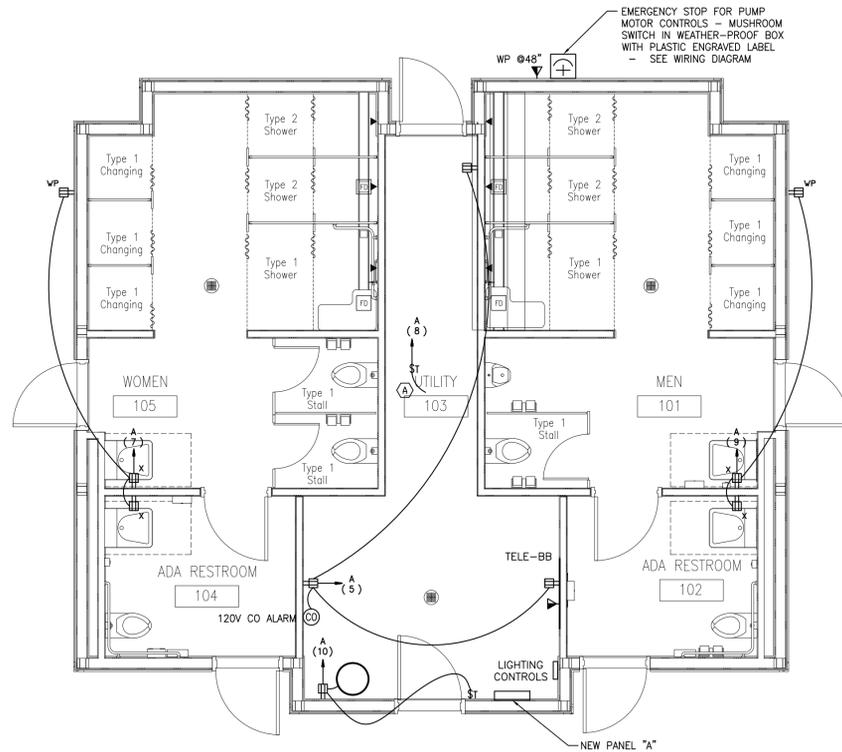
LEGEND

- E — ELECTRICAL POWER CONDUITS WITH PULLSTRINGS, 36" BELOW GRADE. SIZE AS SHOWN ON PLANS. SECONDARY FEEDERS SIZED PER POWER RISER.
- LV — TELECOMMUNICATIONS CONDUIT WITH PULL STRING, 24" BELOW GRADE. TELECOMMUNICATIONS SERVICE BY VERIZON/COMCAST (INCLUDE COST IN BID PRICE).

NOTE: TERMINATE EACH TYPE CONDUIT FEED WITH A CAP AND MARK LOCATION FOR FUTURE TIE-IN. INCLUDE WARNING TAPE (12" BELOW FINISHED GRADE) ABOVE ALL UNDERGROUND FEEDS: RED "DANGER - HIGH VOLTAGE" METALLIC WARNING TAPE FOR POWER YELLOW METALLIC WARNING TAPE TO READ "WARNING - BURIED TELECOMM. CABLE" FOR TELECOMM.



TYPICAL ELECTRICAL FEEDER DUCT CROSS SECTION DETAIL N.T.S.



2 BATH HOUSE POWER FLOOR PLAN
1/4" = 1'-0"

POWER NEW WORK PLAN GENERAL NOTES:

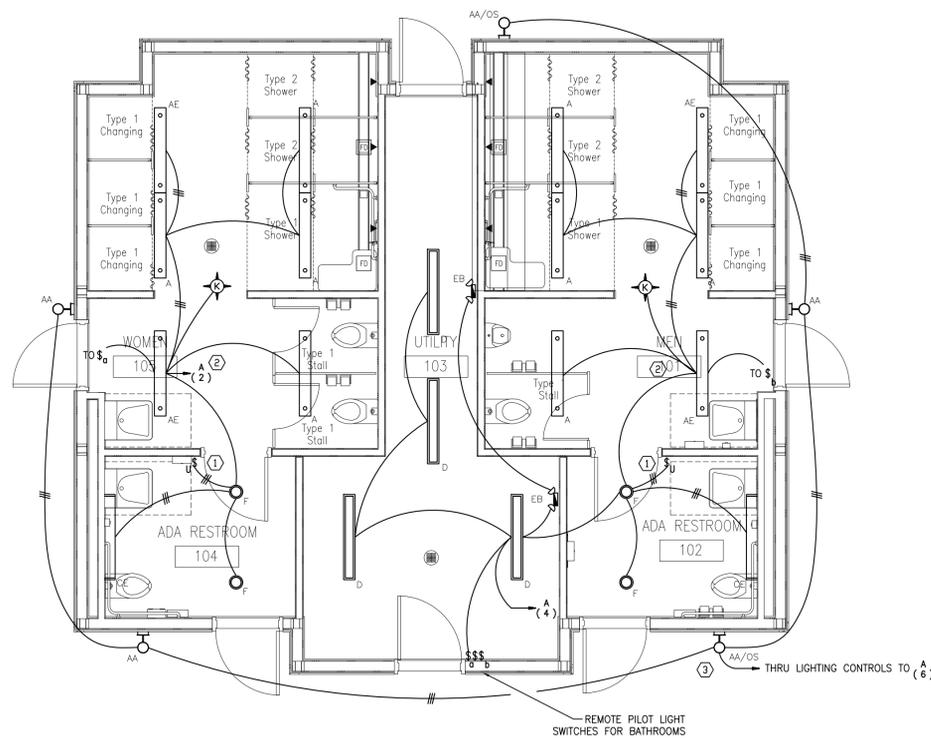
1. THE ELECTRICAL CONTRACTOR IS TO PROVIDE INTERLOCKING CONNECTIONS FOR ALL HVAC EQUIPMENT AS REQUIRED. REFER TO THE MECHANICAL SCHEDULES FOR EXACT INTERLOCKING INFORMATION. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL HVAC EQUIPMENT, ETC. PRIOR TO INSTALLATION.
2. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING SITE SWITCHES PRIOR TO INSTALLATION.
3. ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR/STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.
4. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT RECEPTACLE TYPE AND VOLTAGE FOR ALL EQUIPMENT WITH THE RESPECTIVE EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
5. CENTER LIGHTS, OUTLETS, DEVICES ON LENGTHS OF WALLS OR BETWEEN WINDOWS.
6. STACK DEVICES, OUTLETS AND SWITCHES WHENEVER POSSIBLE.
7. SWITCHES, OUTLETS AND DEVICES SHALL BE CLEAR OF DOOR SWINGS.
8. ALL EXPOSED WORK IS TO BE RUN NEATLY IN EMT CONDUIT; PARALLEL AND PERPENDICULAR TO THE COLUMN LINES.

POWER NEW WORK PLAN KEYNOTES:

- (A) CONTROL WITH SOLID-STATE SPEED CONTROL AND TIME-CLOCK PER HVAC CONTROLLER.

NOTE:

THE FULL EXTENT OF WORK REQUIRED TO CONNECT THE POOL EQUIPMENT IS NOT SHOWN ON THE ELECTRICAL PLANS - COORDINATE WITH THE POOL EQUIPMENT DESIGNER AND CONTRACTOR AND INCLUDE ALL ELECTRICAL WORK PERTAINING TO THE POOL EQUIPMENT AND WATER FEATURE EQUIPMENT IN THE BID PRICE. ALL POOL EQUIPMENT BREAKERS ARE TO BE GFCI TYPE. ADJUST BREAKER SIZES ACCORDINGLY TO MATCH THE EXACT EQUIPMENT CHOSEN.



1 BATH HOUSE LIGHTING FLOOR PLAN
1/4" = 1'-0"

LIGHTING NEW WORK PLAN GENERAL NOTES:

1. LIGHTING CONTROLS (TIMERS AND OCCUPANCY SENSORS) ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL LIGHT FIXTURES LOCATIONS ARE TO BE COORDINATED WITH ARCHITECTURAL PLANS. LIGHT FIXTURE LOCATIONS ARE TO BE COORDINATED WITH DUCTWORK, EQUIPMENT, ETC.
3. EMERGENCY CIRCUITS POWERING EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED/UNCONTROLLED.

LIGHTING NEW WORK PLAN KEYNOTES:

- (1) THE TIMERS ON THIS CIRCUIT ARE TO BE PROGRAMMED FOR 30 MINUTES.
- (2) THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY THE OCCUPANCY SENSOR(S) SHOWN IN THE SAME AREA. THE WALL SWITCHES ARE TO SERVE AS MANUAL OFF-OVER-RIDES.
- (3) THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY A TORK #DZS400A TIMER WITH PHOTOCCELL OVER-RIDE (PROGRAMMED PER THE OWNER). UNSWITCHED CONDUCTORS ARE TO BE RUN TO THE RELAY AS REQUIRED TO PROVIDE EMERGENCY FUNCTIONALITY UPON POWER LOSS.

REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

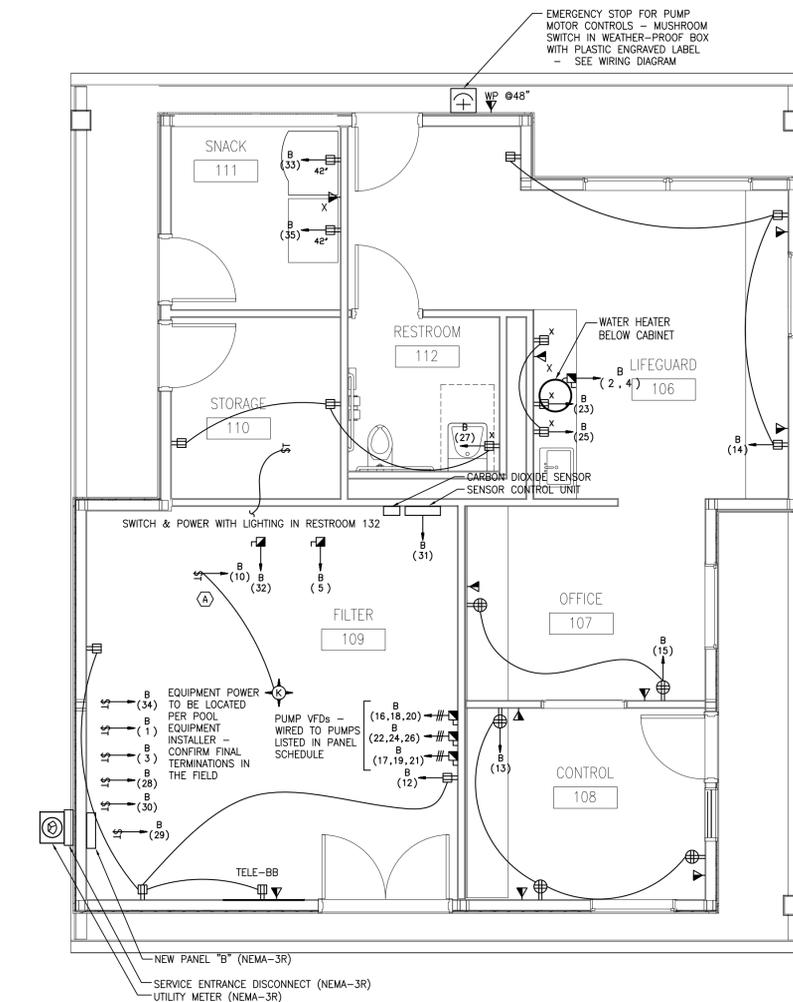
**ELECTRICAL
BATH HOUSE
PLANS**

DRAWING INFORMATION

10/15/2015	DATE OF ISSUE
1/4" = 1'-0"	SCALE
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45312E100.dwg	FILE NAME

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POWER NEW WORK PLAN GENERAL NOTES:

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2. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING SITE SWITCHES PRIOR TO INSTALLATION.
3. ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR/STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.
4. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT RECEPTACLE TYPE AND VOLTAGE FOR ALL EQUIPMENT WITH THE RESPECTIVE EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
5. CENTER LIGHTS, OUTLETS, DEVICES ON LENGTHS OF WALLS OR BETWEEN WINDOWS.
6. STACK DEVICES, OUTLETS AND SWITCHES WHENEVER POSSIBLE.
7. SWITCHES, OUTLETS AND DEVICES SHALL BE CLEAR OF DOOR SWINGS.
8. ALL EXPOSED WORK IS TO BE RUN NEATLY IN EMT CONDUIT; PARALLEL AND PERPENDICULAR TO THE COLUMN LINES.

POWER NEW WORK PLAN KEYNOTES:

- Ⓐ CONTROL WITH SOLID-STATE SPEED CONTROL AND TIME-CLOCK PER HVAC CONTROLLER.

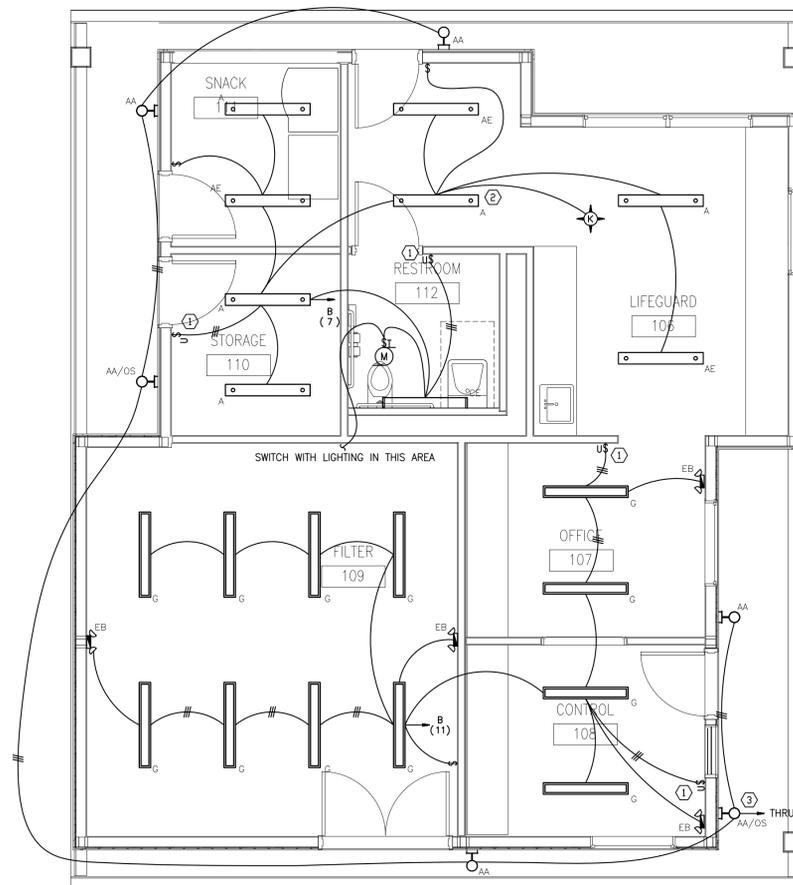
NOTE:

THE FULL EXTENT OF WORK REQUIRED TO CONNECT THE POOL EQUIPMENT IS NOT SHOWN ON THE ELECTRICAL PLANS - COORDINATE WITH THE POOL EQUIPMENT DESIGNER AND CONTRACTOR AND INCLUDE ALL ELECTRICAL WORK PERTAINING TO THE POOL EQUIPMENT AND WATER FEATURE EQUIPMENT IN THE BID PRICE. ALL POOL EQUIPMENT BREAKERS ARE TO BE GFCI TYPE. ADJUST BREAKER SIZES ACCORDINGLY TO MATCH THE EXACT EQUIPMENT CHOSEN.

EF-6 SEQUENCE OF OPERATION:

THE EXHAUST FAN SHALL TURN ON IF A PRESET LEVEL (ADJUSTABLE) OF CARBON DIOXIDE IS DETECTED IN THE ROOM. THE EXHAUST FAN SHALL TURN ON WITH THE LIGHTING REGARDLESS OF THE CARBON DIOXIDE SENSOR. THE SPEED OF THE FAN SHALL BE ABLE TO BE MANUALLY SET WITH THE VARIABLE SPEED CONTROLLER. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL DETECTORS, WIRING, ETC. (EXCEPT THE VARIABLE SPEED CONTROLLER) TO MAKE THE SYSTEM WORK AS DESCRIBED ABOVE.

2 SERVICE BUILDING POWER PLAN
1/4" = 1'-0"



LIGHTING NEW WORK PLAN GENERAL NOTES:

1. LIGHTING CONTROLS (TIMERS AND OCCUPANCY SENSORS) ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL LIGHT FIXTURES LOCATIONS ARE TO BE COORDINATED WITH ARCHITECTURAL PLANS. LIGHT FIXTURE LOCATIONS ARE TO BE COORDINATED WITH DUCTWORK, EQUIPMENT, ETC.
3. EMERGENCY CIRCUITS POWERING EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED/UNCONTROLLED.

LIGHTING NEW WORK PLAN KEYNOTES:

- ① THE TIMERS ON THIS CIRCUIT ARE TO BE PROGRAMMED FOR 30 MINUTES.
- ② THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY THE OCCUPANCY SENSOR(S) SHOWN IN THE SAME AREA. THE WALL SWITCHES ARE TO SERVE AS MANUAL OFF OVER-RIDES.
- ③ THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY A TORK #DZS400A TIMER WITH PHOTOCELL OVER-RIDE (PROGRAMMED PER THE OWNER). UNSWITCHED CONDUCTORS ARE TO BE RUN TO THE RELAY AS REQUIRED TO PROVIDE EMERGENCY FUNCTIONALITY UPON POWER LOSS.

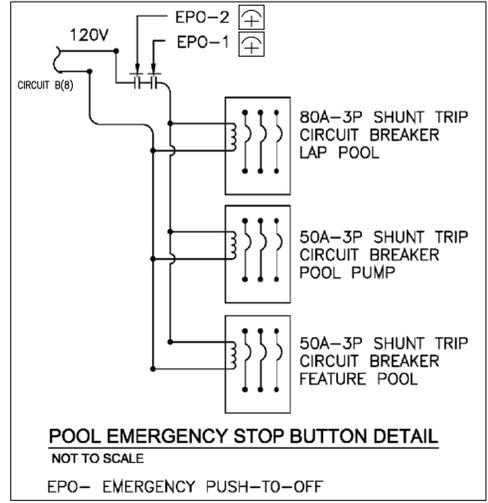
1 SERVICE BUILDING LIGHTING PLAN
1/4" = 1'-0"

PANEL "B" SCHEDULE										PANEL "A" SCHEDULE															
VOLTAGE: 208Y120 VOLT - 3 PH. - 4 WIRE 400 AMP MAIN LUGS ONLY; SURFACE MOUNTED										VOLTAGE: 208Y120 VOLT - 3 PH. - 4 WIRE 100 AMP MAIN BREAKER; SURFACE MOUNTED															
REMARKS: PROVIDE WITH GROUND BAR, A.I.C. RATING = 42,000 AMPS SYM.										REMARKS: PROVIDE WITH GROUND BAR, MINIMUM A.I.C. RATING = 14,000 AMPS SYM.															
CKT NO.	LOAD DESCRIPTION	WIRE #	BREAKER POLE	AMP	PH. "A"	PH. "B"	PH. "C"	BREAKER WIRE #	AMP	LOAD DESCRIPTION	CKT NO.	LOAD DESCRIPTION	WIRE #	BREAKER POLE	AMP	PH. "A"	PH. "B"	PH. "C"	BREAKER WIRE #	AMP	LOAD DESCRIPTION	CKT NO.			
1	CHLORINE FEED SYSTEM **	12	1	20					30	2	10	WATER HEATER	2							20	1	12	LIGHTING - WOMENS	2	
3	CHEMICAL CONTROLLER **	12	1	20									4							20	1	12	LIGHTING - MENS/UTILITY	4	
5	FILTER CONTROL PANEL **	12	1	20					20	1		SPARE	6							20	1	12	EXTERIOR LIGHTING	6	
7	LIGHTING - LIFEGUARD AREA	12	1	20					20	1	12	COIL VOLTAGE FOR EPO CONTACTOR	8							20	1	12	EXHAUST FAN	8	
9	EXTERIOR LIGHTING	12	1	20		0.2			20	1	12	FILTER ROOM FAN	10							20	1	12	WATER HEATER	10	
11	LIGHTING - UTILITY/OFFICE/CONTROL	12	1	20					20	1	12	FILTER ROOM RECEPTACLES	12							20	1		SPARE	12	
13	CONTROL ROOM RECEPTACLES	12	1	20					20	1	12	LIFEGUARD GENERAL RECEPTACLES	14							20	1		SPARE	14	
15	OFFICE RECEPTACLES	12	1	20					80	3	3	LAP POOL*	16							20	1		SPARE	16	
17	POOL PUMP*	6	3	50									18							20	1		SPARE	18	
19	" "					9.0							20							20	1		SPARE	20	
21	" "					3.7							22							20	1		SPARE	22	
23	LIFEGUARD COUNTER RECEPTACLE(S)	12	1	20					9.0			WATER FEATURE PUMP*	24							20	1		SPARE	24	
25	LIFEGUARD COUNTER RECEPTACLE(S)	12	1	20		0.6			5.8				26							20	1		SPARE	26	
27	RESTROOM / STORAGE RECEPTACLES	12	1	20					0.6				28							20	1	12	CHLORINE FEED SYSTEM **	28	
29	WATER LEVEL CONTROL SYSTEM**	12	1	20					5.8				30							20	1	12	CHEMICAL CONTROLLER **	30	
31	CO2 FEED SYSTEM**	12	1	20		0.1							32							20	1	12	FILTER CONTROL PANEL **	32	
33	VENDING MACHINE	12	1	20									34							20	1	12	CO2 FEED SYSTEM **	34	
35	VENDING MACHINE	12	1	20									36							20	1		SPARE **	36	
37	NEW PANEL "A"	1	3	100		9.1			0.2				38							30	3	10	TVSS (INTERNAL)	38	
39	" "								5.9				40												40
41	" "								0.2				42												42
		TOTALS PER PHASE		28.5	24.9	25.9							TOTAL LOAD		3.3	2.7	2.3							8.3 kVA	

THE FULL EXTENT OF WORK REQUIRED TO CONNECT THE POOL EQUIPMENT IS NOT SHOWN ON THE ELECTRICAL PLANS - COORDINATE WITH THE POOL EQUIPMENT DESIGNER AND CONTRACTOR AND INCLUDE ALL ELECTRICAL WORK PERTAINING TO THE POOL EQUIPMENT AND WATER FEATURE EQUIPMENT IN THE BID PRICE. ALL POOL EQUIPMENT BREAKERS ARE TO BE GFCI TYPE. ADJUST BREAKER SIZES ACCORDINGLY TO MATCH THE EXACT EQUIPMENT CHOSEN.

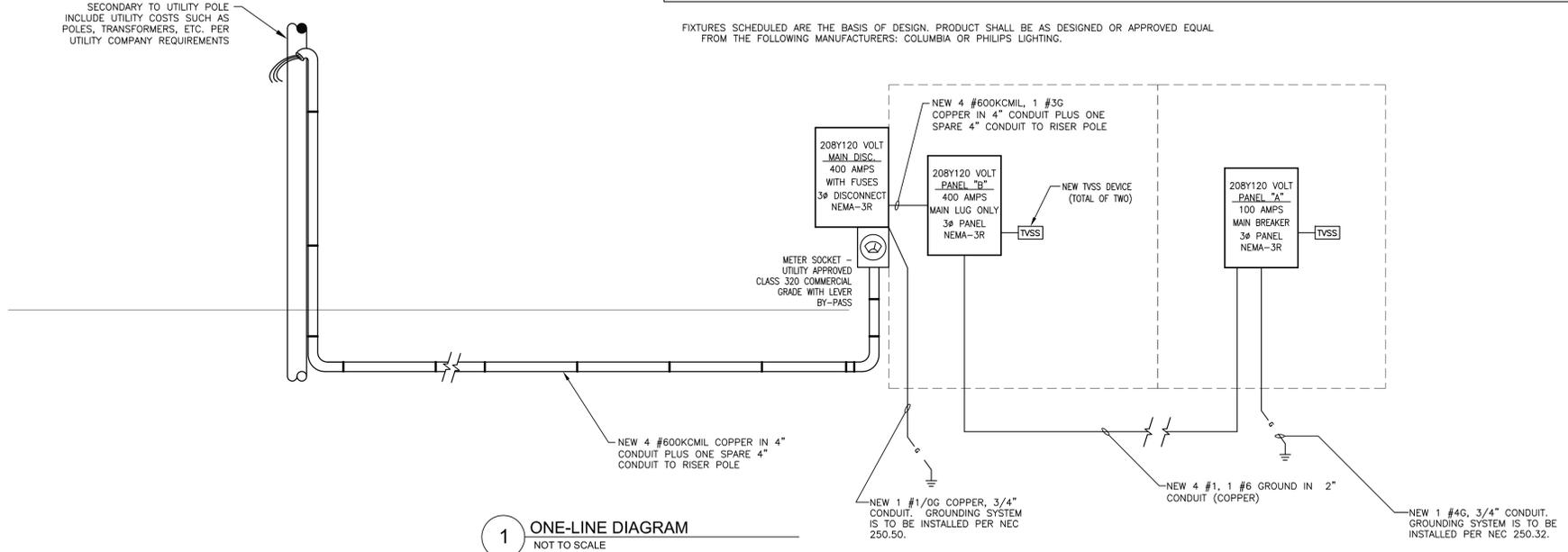
* SHUNT-TRIP BREAKER
** GFCI BREAKER

PANEL "B" SCHEDULE										PANEL "A" SCHEDULE																
VOLTAGE: 208Y120 VOLT - 3 PH. - 4 WIRE 400 AMP MAIN LUGS ONLY; SURFACE MOUNTED										VOLTAGE: 208Y120 VOLT - 3 PH. - 4 WIRE 100 AMP MAIN BREAKER; SURFACE MOUNTED																
REMARKS: PROVIDE WITH GROUND BAR, A.I.C. RATING = 42,000 AMPS SYM.										REMARKS: PROVIDE WITH GROUND BAR, MINIMUM A.I.C. RATING = 14,000 AMPS SYM.																
CKT NO.	LOAD DESCRIPTION	WIRE #	BREAKER POLE	AMP	PH. "A"	PH. "B"	PH. "C"	BREAKER WIRE #	AMP	LOAD DESCRIPTION	CKT NO.	LOAD DESCRIPTION	WIRE #	BREAKER POLE	AMP	PH. "A"	PH. "B"	PH. "C"	BREAKER WIRE #	AMP	LOAD DESCRIPTION	CKT NO.				
1	WATER HEATER	12	1	20		0.5			20	1	12	LIGHTING - WOMENS	2							20	1	12	LIGHTING - MENS/UTILITY	4		
3	WATER HEATER	12	1	20		1.2			0.5				6							20	1	12	EXTERIOR LIGHTING	6		
5	UTILITY ROOM RECEPTACLES	12	1	20					1.5				8							20	1	12	EXHAUST FAN	8		
7	TOILET RECEPTACLE - WOMEN	12	1	20		0.2			0.6				10							20	1	12	WATER HEATER	10		
9	TOILET RECEPTACLE - MEN	12	1	20		1.2			1.5				12							20	1		SPARE	12		
11	SPARE								0.2				14							20	1		SPARE	14		
13	SPARE								0.3				16							20	1		SPARE	16		
15	SPARE												18							20	1		SPARE	18		
17	SPARE												20							20	1		SPARE	20		
19	SPARE												22							20	1		SPARE	22		
21	SPARE												24							20	1		SPARE	24		
23	SPARE												26							20	1		SPARE	26		
25	SPARE												28							30	3	10	TVSS (INTERNAL)	28		
27	SPARE								0.2				30												30	
29	SPARE																									
		TOTALS PER PHASE		3.3	2.7	2.3							TOTAL LOAD		3.3	2.7	2.3							8.3 kVA		



LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER	CATALOGUE #	LAMPING			MOUNTING	REMARKS
			TYPE	WATTAGE	QUANTITY		
A	NEWSTAR	VIC4NL2351RWUNWHPDCM-STEM	LED	50		STEM	LED, PHOTO-CELL
AE	NEWSTAR	VIC4NL2351RW120VWHPDCMEML	LED	50		STEM	LED, PHOTO-CELL, EMERG
C	PHILIPS	CSW484735UNVZ0	LED	50		WALL	
CE	PHILIPS	CSW484735UNVZ0EM	LED	50		WALL	EMERGENCY
E	NONE						
F	PORTFOLIO	LD6A20D010TEERM6A208356LM1LIHB26	LED			RECESSED	6" ROUND
G	PHILIPS	DWAE65L35UNV	LED			SURFACE	
AA	LUMARK	XTOR5ACOLORPC1	LED	50		WALL	
AA/OS	LUMARK	XTOR5ACOLORPC1/MS-120	LED	50		WALL	OCCUPANCY SENSOR
EB	PHILIPS	CAX6NHPCS1	LED			WALL	EMERGENCY BATTERY UNIT

FIXTURES SCHEDULED ARE THE BASIS OF DESIGN. PRODUCT SHALL BE AS DESIGNED OR APPROVED EQUAL FROM THE FOLLOWING MANUFACTURERS: COLUMBIA OR PHILIPS LIGHTING.



ARCHITECT
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PROJECT NAME

CLIENT

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Mechanical/Electrical
/Plumbing Engineering

Allied Consulting Engineering
Services, Inc.
215 Boston Post Road
Sudbury, Massachusetts 01776

REVISIONS

DATE

DRAWING TITLE
ELECTRICAL SCHEDULES & RISER

DRAWING INFORMATION

10/15/2015
DATE OF ISSUE

DESCRIPTION

1/4" = 1'-0"
SCALE
AP_RB
DRAWN BY

PROJECT #
45312-E200.dwg
FILE NAME

DRAWING NUMBER
E200

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