

Ministry of Education, Myanmar
United Nations Children's Fund, UNICEF
Swiss Agency for Development and Cooperation, SDC
Construction of Primary School in Mon and Kayen States, Myanmar



4CLASS ROOM + OFFICE SCHOOL DRAWINGS LIST

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General Specification

1. General

1.1 General

The scope of works shall include construction of primary schools in Mon and Kayen State.

1.2 Rules of Practice

The contract document including the drawing and this specification shall be studied thoroughly before executing the work shall be followed the drawing and the specification exactly.

The works, standard procedures and quality of work shall be conformed to the applicable codes, standards and analysis of rates.

All structural drawings shall be read in conjunction with the architectural, plumbing, electrical and mechanical drawings. All chases, chamfers, sockets, openings, fixings and inserts shall be provided in the drawings shall be checked and verified by the contractor and presented to the consultants for approval before concreting.

The contractor shall check all drawings and verify levels and dimensions in advance of the work. Any discrepancies or faults shall be reported to the consultant immediately.

Unless noted otherwise, all levels refer to top of structural concrete.

The contractor shall discuss with the engineer for detail work plan and need the engineer's approval for all of construction process and procedure before starting time.

The contractor shall obtain the engineer's approval before concreting and placing of any blinding concrete layer or reinforcement.

All concrete work shall conform with the building code requirements for reinforced concrete. (ACI 318-83).

1.3 Ambiguity

The contractor shall submit in writing any ambiguous and/or conflicting points in or between contract documents, for clarification prior to entering into contract. Work not shown or specified in the drawings and specification, but obviously necessary to make the work complete, visually or structurally, shall be performed by the contractor.

1.4 Material Testing

Whenever necessary, the contractor shall submit 3 copies of test data of materials to be incorporated in the work at the expense of the contractor. All tests shall be performed in accredited testing laboratory.

1.5 Changes in the work

In case of changes in the work either scope of work or use of material, a request to change shall be submitted in three copies to the engineer. The request shall include following information.

- . Purpose and reason of change
- . Extent of change
- . Cost/benefit of change
- . Revised proposal drawing

In case of major changes in the work which directly affect the total cost of the work and time, the cost of change shall be negotiated and settled among all concerned parties.

In case of minor changes in the work which do not affect the total cost of the work and time, the cost of change shall be incurred to the contractor.

1.6 Damages and Work Guarantee

The contractor shall take responsibility for any kind of damages of the facilities related to the project until transferring of the facilities after completion.

All work and the facilities shall be guaranteed. Period of guarantee shall be at least 6 months. In the event of defective work during the guarantee period, the contractor shall correct such defects without delay at the expense of the contractor.

1.7 Connection with Existing Facilities

When existing building and/or services are connected with new works, those parts damaged due to new works shall be made good to original state and to match existing condition or to match new work after the work.

Damage caused to any part of existing facilities shall be made good at the expense of the contractor.

2. Temporary Works

2.1 Temporary Facilities

As necessary, temporary facilities such as site office, storage yard, store, enclosure shall be made at the expense of the contractor. Building required for storage of materials shall be weather proofed to prevent deterioration materials.

2.2 Safety Sign

Safety warning and signboard shall be erected as required.

2.3 Site Cleaning

The project site shall be clean. Cleaning time shall be set at the end of the every working day.

3. Earthwork

3.1 Excavation

Trenches and pits of foundation shall be of sufficient size and depth to enable proper installation of materials.

Any pumping required during the placing of concrete. or for period of at least 24hours thereafter, shall be done from a suitable sump pit located outside the concrete forms.

3.2 Leveling

The plinth of the building shall be at least 1 foot above the existing ground. Unless otherwise specified, area within 10 feet from the designated structure shall be leveled and graded.

Walkway and passages shall be at least 6" above the ground or maximum flood water level which ever is greater.

3.3 Disposal

Any refused items shall be properly disposed at the expense of the contractor.

3.4 Filling

In case of filling work is needed in the site, the following method shall be applicable;



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SPECIFICATION-1



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SPECIFICATION-2

. Marsh, pond, channel, rice field

The top soil about 1' shall be replaced with the same thickness of quality compacted soil from different places. After that layer, filling shall be followed with quality soil. Compaction shall be done every 1' in thickness until soil bearing capacity reach 500 psf or more.

The filling work shall be properly recorded with photographs and shall report to the engineer.

. Other

Filling shall be done with quality soil and up to designated height. Filling shall be placed in 1 feet layers and compacted until soil bearing capacity indicates 500 psf or more.

The filling work shall be properly recorded with photographs and shall report to the engineer.

4. Foundation Work

4.1 Sand Foundation

Material: River sand
Thickness: 2 inches (compacted after watering)

4.2 Compacted Crushed Stone Foundation

Material: Crushed Stone or Broken Brick or Boulder
Thickness: 6 inches (compacted after sand pouring and watering)

5. Concrete Work

5.1 General

The concrete work shall be conformed to ACI-318 or equivalent unless otherwise stated in the construction document.

5.2 Specification and Strength

Reinforced conc:
Cylinder strength: 2500psi at 28 days
Recommended mix: 1:2:4
Place of use: Foundation, column,
beam, slab, bench & hand rail

Plain concrete:

Cylinder strength: 1875psi at 28 days
Recommended mix: 1:3:6
Place of use: Apron, Lean conc;
Passage

5.3 Materials

Cement: Ordinary Porland Cement
Cement Brands: Rhinoceros, Elephant
Coarse aggregate: Clean gravel or crushed stone
Fine aggregate: Course river sand with no trace of silt
Water: Sulphate content shall be less than
600 ppm

All of concrete work shall be tested for their required strength in accredited testing laboratory. Test results shall be submitted in 3 copies.

5.4 Concrete Cover

Foundation Work: 3 inches
Beam & Column: 1 inch
Ground slab: 3 inches

5.5 Formwork and Curing

Form Material: Plywood+soft wood
Form Removing: According to standard code of practice.

Unless other stated in specifically in drawings time for removal of formwork shall be as follows:

Unloaded beam sides, wall and columns: 1 day
Slabs forms (props not included): 3 days
Props to slabs between beams: 7 days
Props to beam and flat slab: 14days
Props to cantilevers: 28days

6. Reinforcement Work

6.1 General

Reinforcements shall be used as sated in the structural drawings. Bar bending schedule shall be prepared. in condition of insert items, and shall be submitted for approval before starting fabrication of reinforcements.

6.2 Materials

Deformed Bars: Yield strength = 40 ksi
Common Bars : Yield strength = 30 ksi

Only genuine materials shall be used. Recycled materials are not allowed. Strength certificates shall be provided. If strength certificates are not available, reinforcing bars shall be tested at every batch. Testing shall consist of tension and bending test, and shall be performed in accredited testing laboratory. Test results shall be submitted in 3 copies.

6.3 Lapping

Not more than 50% of main bars shall be spliced in any one section.

Compression case: 30 x diameter of reinforcing bar
Tension case: 40 x diameter of reinforcing bar
Ductile case: 50 x diameter of reinforcing bar

7. Brick Work

7.1 Material

Use good quality brick of standard size with minimum strength.

Minimum strength: 1200 psi
Use 1/2" thick mortar joint with 1:3 mix.

For adjoining at every 2'-0"c/c from RC columns, 2-1/4" dowel 18" long for 9" brick wall and 1-1/4" dowel 18" long for 4-1/2" brick wall. Use x-met reinforcement for 4-1/2" brick wall at every 4th course.

8. Roof Work

8.1 Roof

Material: - 4 angle color roofing sheet (0.4mm)
- Roof screw (for timber) with ruber & steel washer
silicom filling
- Fascia capping, Gable end and ridge cappng shall
be of 0.4mm thickness color plan sheet

All timber members shall be thoroughly seasonal dried and neat Sectional dimensions shall be in conformity with provision of

technical specification and all mill works shall be finished dimensions locally available lumbers shall be accepted if only minor difference exist between dimensions in drawing and locally available lumber size.

Maximum acceptable tolerance is $\frac{1}{4}$ " for width and $\frac{1}{8}$ " for depth for all timber members.

All fastenings shall be non corrosive water sealing fastening into the purlins with self drilling screw.

9. Plaster Work

9.1 Preparation

Prior to starting of plastering work, the underlying concrete surface or brick wall shall be thoroughly cleaned.

9.2 Mix

Mix ratio of cement and sand shall be as follows.

Surface plastering: 1:3

Filling and adjustments: 1:4

10. Door and Windows

10.1 Timber Doors and Windows

Timber doors and windows shall be produced by either well experienced manufactures or skilled labors. They shall be well seasoned, dried and disinfected properly.

Material: Teak leaf and Pinkado Frame (chawket)

Fixing: All chawket shall be put wire mesh and bracket 1'-6"c/c of outer surface and than fixed to brick wall.

Accessories: Hinges, handle and other accersorites shall be made of galvanized steel or strainless steel complete with maching finish screws. (to approve, sample sent SDC office).

11. Paint Work

11.1 General

Work procedures shall be in conformity with requirement of applicable specification. Surfae preparation and paint procedure shall be complied with manufacture's recommendations.

Interior wall & Ceiling No of Coat	-Emulsion Paint, UPG Orient. -Putly one Coat, Sealer are coat and paint 3coat
Interior skirting line No of Coat	-Emulsion Paint, UPG Orient. -Putty one Coat, Sealer one coat and paint 3 coat. Note. Dark color, up to 9" from floor tie line
Exterior wall & Ceiling No of Coat	-Emulsion paint, UPG Orient. -Putty one coat, Sealer one coat and paint 3 coat.
Door and Window Exposed timber No of Coat	-Polished (wood coating paint), Betex winshield. -Wood putty 1coat,, polished 3coat.

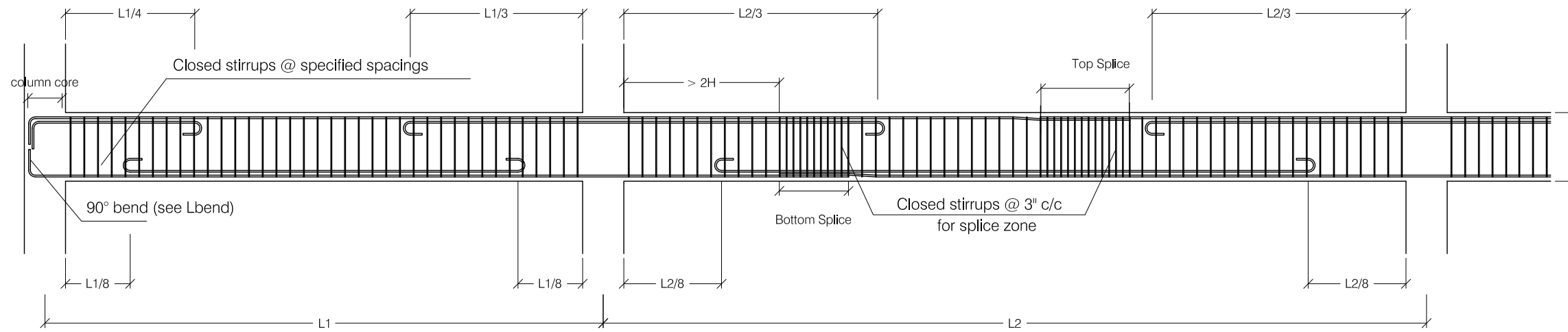
(Putty shall be smart coat mixed ATM Glue)

12. Toxic Free Materials

All construction materials, tools and practice shall strictly be toxic free, asbestos free.

Materials such as asbestos sheet and contaiig FCKW are prohibited.





NOTES

CONCRETE COVER

- Foundation Work = 3"
- Beam & Column = 1"
- Slab & Stair Case = 1"
- Ground slab = 3"

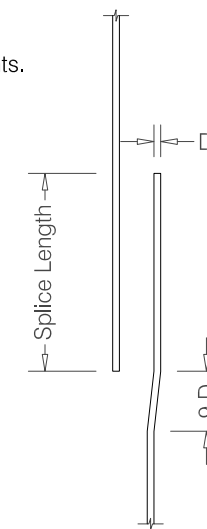
- First stirrup is to be located at 2" from column face.
- Clear spacing between rows of rebars = 1"
- Upto 50% of bars can be spliced at the same point.

Top Splice

- Top splices should be located within middle third zone of beam length.
- No splices within a distance of twice the beam height from joints.
- 24" for 12 MM Ø bars
- 31" for 16 MM Ø bars
- 35" for 18 MM Ø bars
- 37" for 20 MM Ø bars
- 43" for 22 MM Ø bars
- 50" for 25 MM Ø bars

Beam Bottom Splice or Column Steel Splice

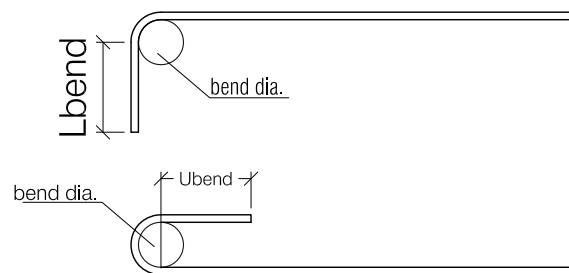
- No bottom splices in middle third zone of beam length.
- No splices within a distance of twice the beam height from joints.
- 17" for 12 MM Ø bars
- 22" for 16 MM Ø bars
- 25" for 18 MM Ø bars
- 27" for 20 MM Ø bars
- 31" for 22 MM Ø bars
- 36" for 25 MM Ø bars



Typical Beam Longitudinal Section

Lbend

- 4.5" for 10 MM Ø bars
- 6" for 12 MM Ø bars
- 7.5" for 16 MM Ø bars
- 8.5" for 18 MM Ø bars
- 9" for 20 MM Ø bars
- 10.5" for 22 MM Ø bars
- 12" for 25 MM Ø bars



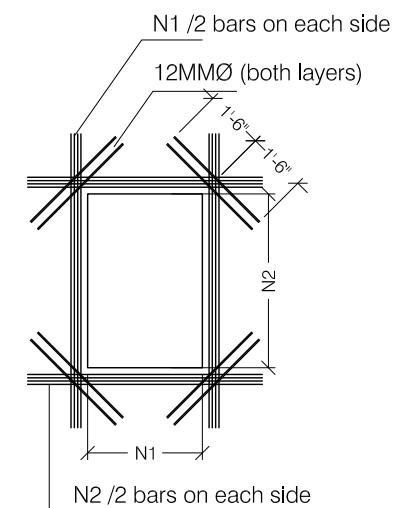
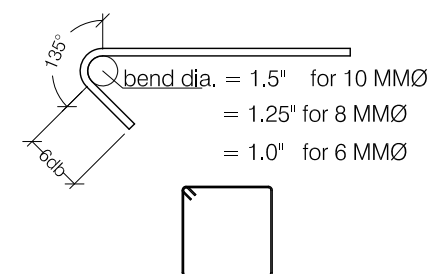
Bend dia.

- 2.25" for 10MM Ø
- 3" for 12MM Ø
- 3.75" for 16MM Ø
- 4" for 18MM Ø
- 4.5" for 20MM Ø
- 5.25" for 22MM Ø
- 6" for 25MM Ø

Ubend

- 2.5" for 10 MM Ø bars
- 2.5" for 12 MM Ø bars
- 2.5" for 16 MM Ø bars
- 3" for 18 MM Ø bars
- 3" for 20 MM Ø bars
- 3.5" for 22 MM Ø bars
- 4" for 25 MM Ø bars

closed stirrups



N1, N2 = no. of slab rebars cut off at opening.

Typical Slab Opening

STRUCTURAL DESIGN NOTE-

CONCRETE STRENGTH

- PLAIN CONCRETE $f_c = 1875$ psi
- STRUCTURAL CONCRETE $f_c = 2500$ psi

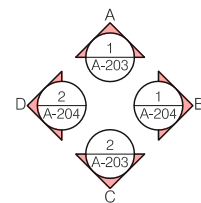
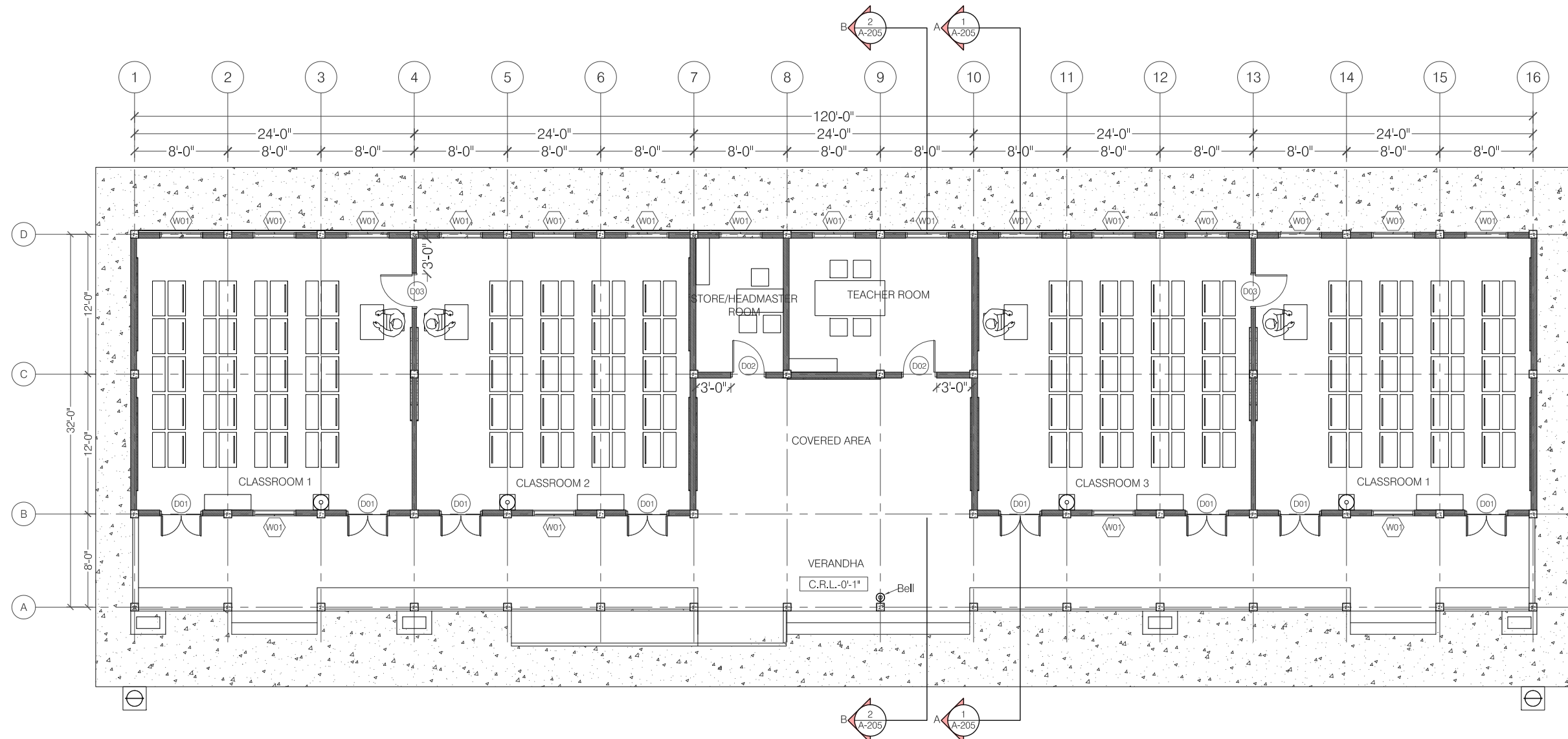
REINFORCEMENT STRENGTH

- DEFORMED BARS $f_y = 40$ Ksi
- PLAIN BARS $f_y = 30$ Ksi

DESIGN PARAMETERS

- FLOOR LIVE LOAD 100 psf
- DESIGN WIND SPEED 125 mph
- DESIGN EARTHQUAKE ZONE 2 A
- ASSUMED BEARING CAPACITY 0.75 tsf

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NOTE
$f_c = 2800$ psi
$f_y = 4500$ psi
Use ACI standard hooks and bends unless otherwise specified
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TYPICAL ARRANGEMENT DETAILS



1 FLOOR PLAN
A-101 SCALE: 3/32" = 1' - 0"

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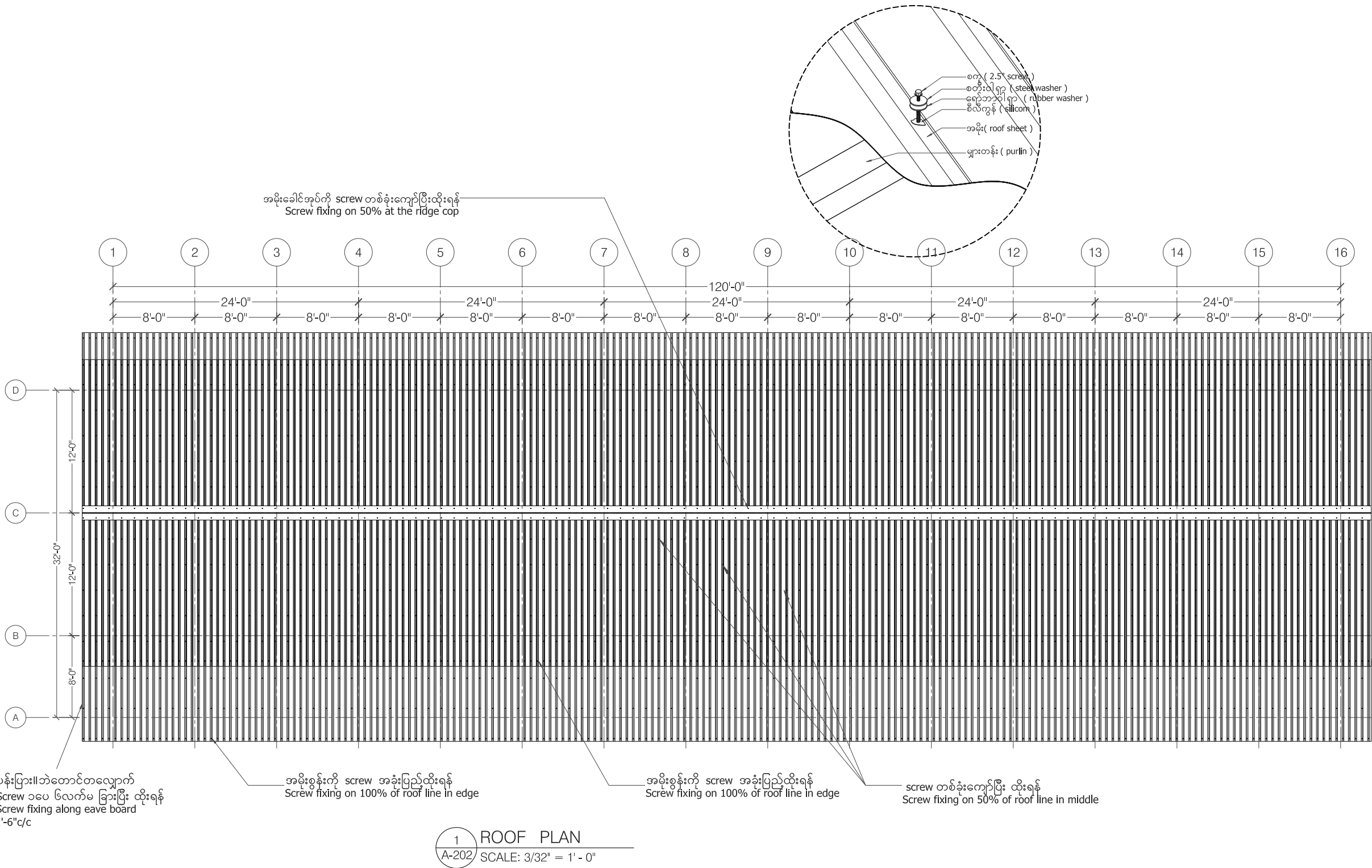
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FLOOR PLAN



ပန်းပြား။ဘဲတောင်တလျှောက်
Screw ဝပေ လောက်မ ခြားပြီး ထိုးရန်
Screw fixing along eave board
1'-6" c/c

အမိုးစွန်းကို screw အခုံးပြည့်ထိုးရန်
Screw fixing on 100% of roof line in edge

အမိုးစွန်းကို screw အခုံးပြည့်ထိုးရန်
Screw fixing on 100% of roof line in edge

screw တစ်ခုံးကျော်ပြီး ထိုးရန်
Screw fixing on 50% of roof line in middle

1 ROOF PLAN
A-202 SCALE: 3/32" = 1' - 0"

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ROOF PLAN	



4 - CLASSROOM+OFFICE SCHOOL
KAYIN & MON

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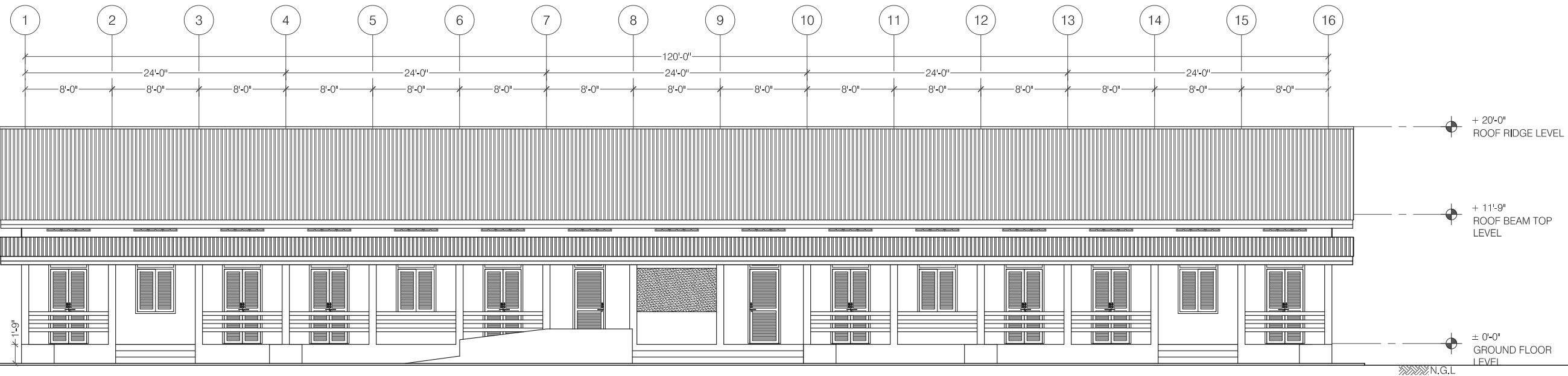
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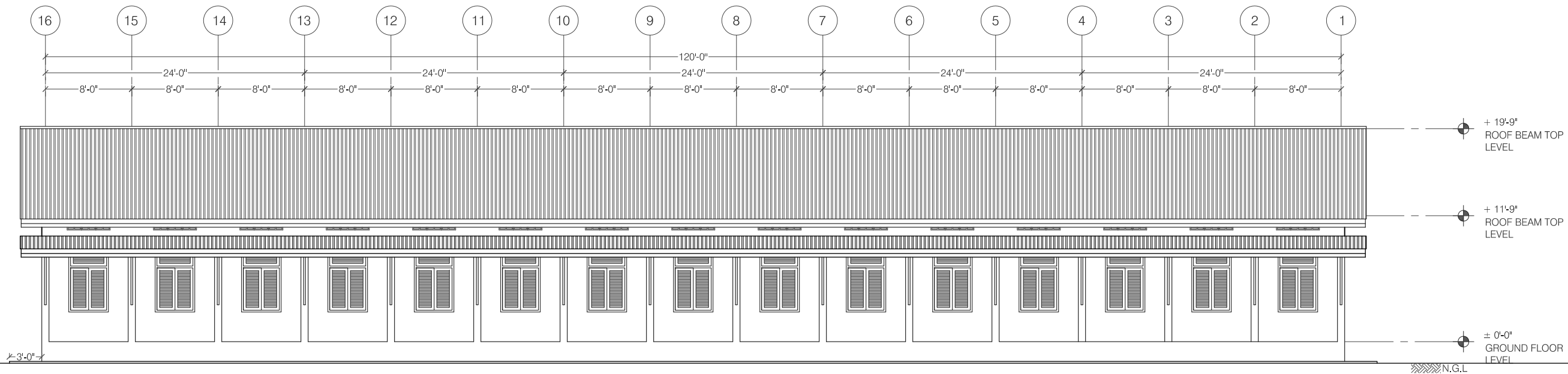
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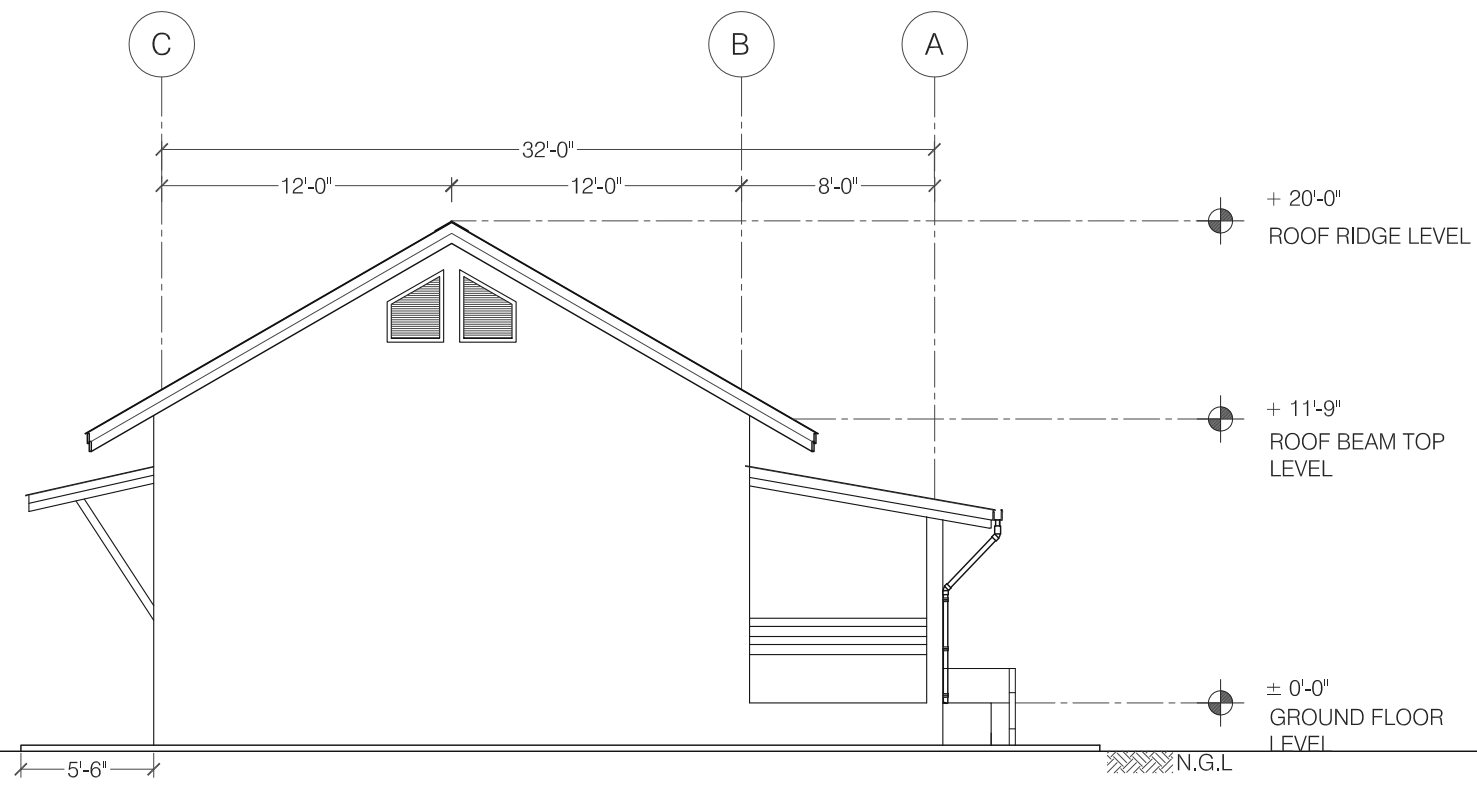
ELEVATION - A & C



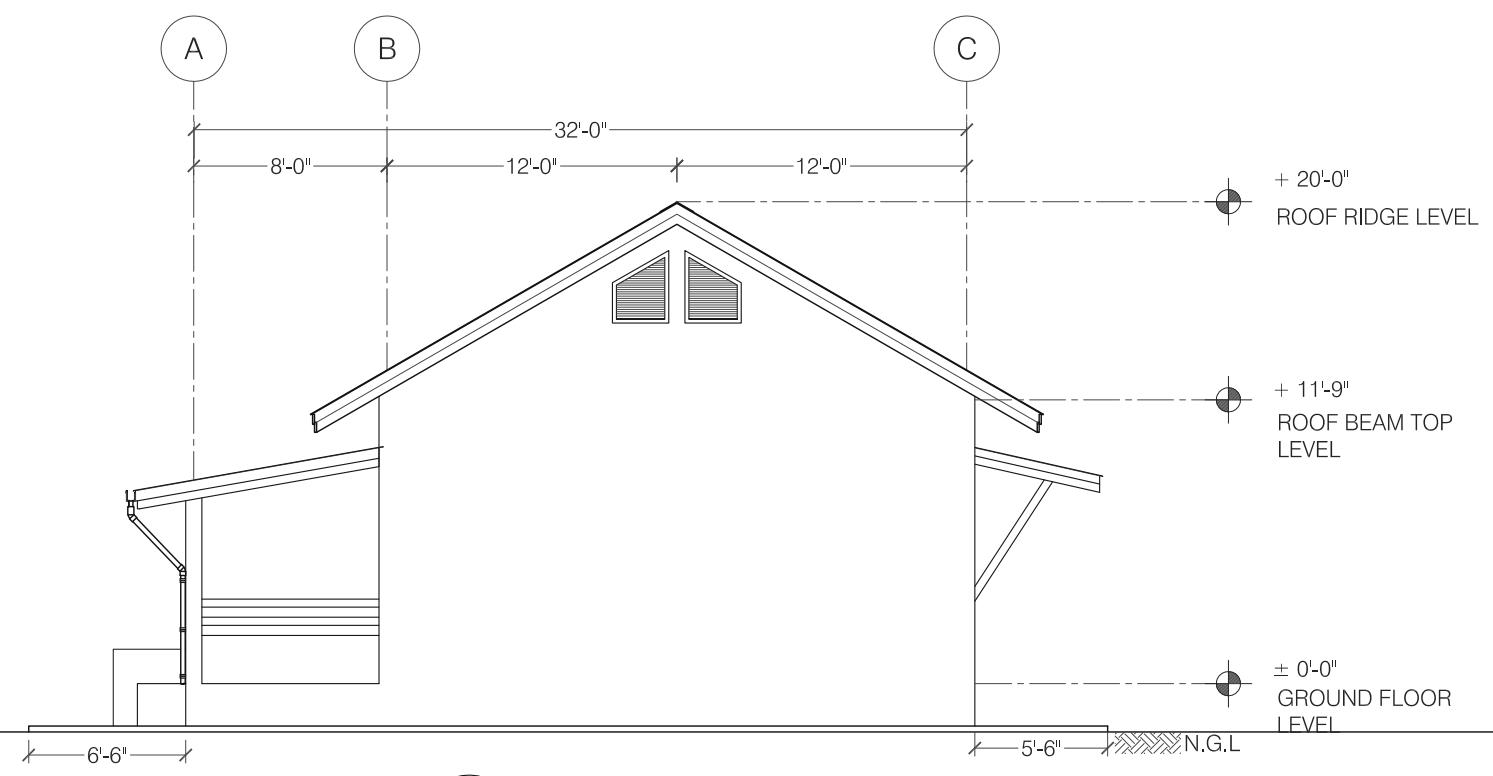
1 ELEVATION -A
A-203 SCALE: 3/32" = 1' - 0"



2 ELEVATION -C
A-203 SCALE: 3/32" = 1' - 0"



2 ELEVATION -B
A-204 SCALE: 1/8" = 1' - 0"

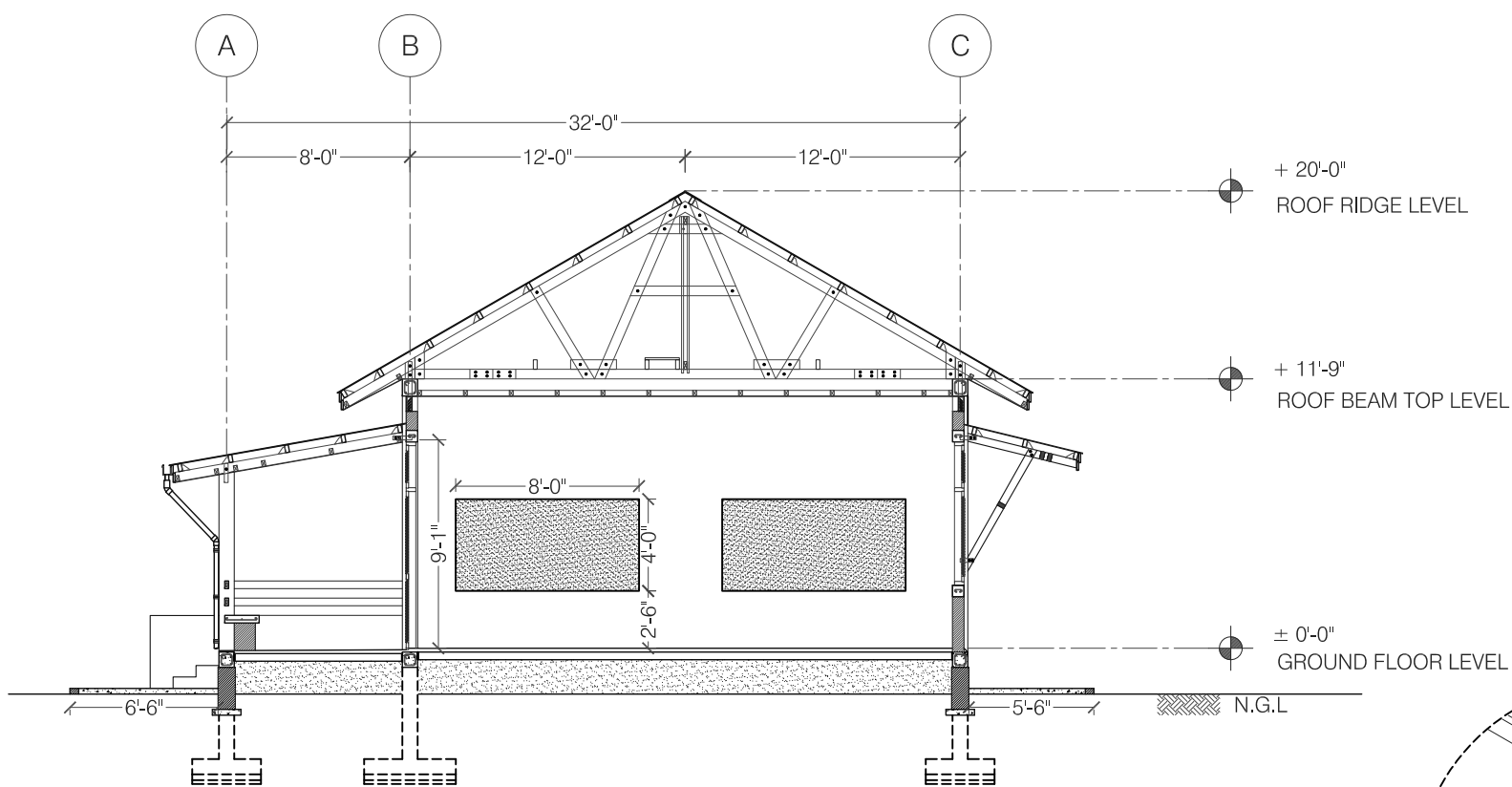


1 ELEVATION -D
A-204 SCALE: 1/8" = 1' - 0"

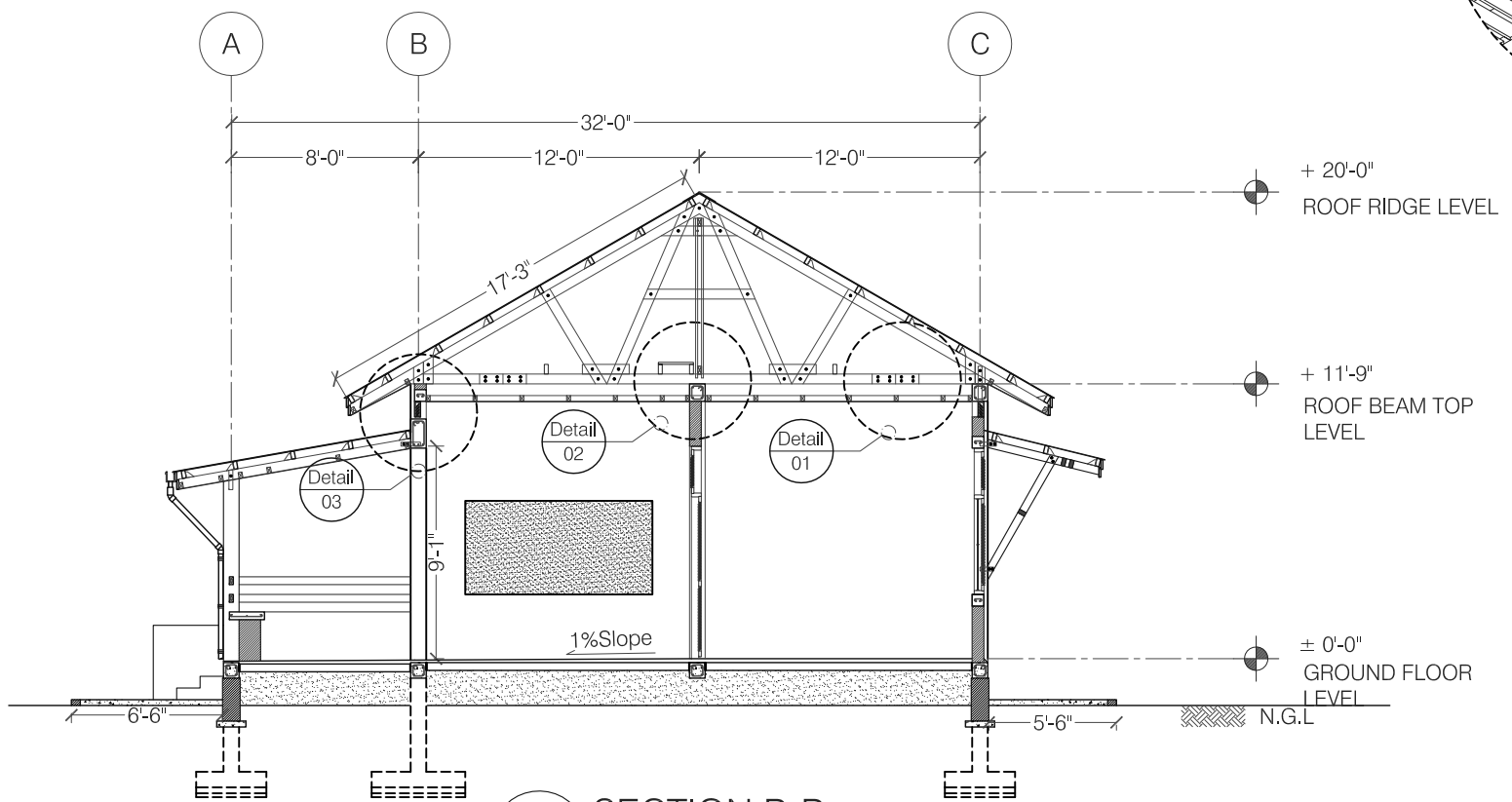
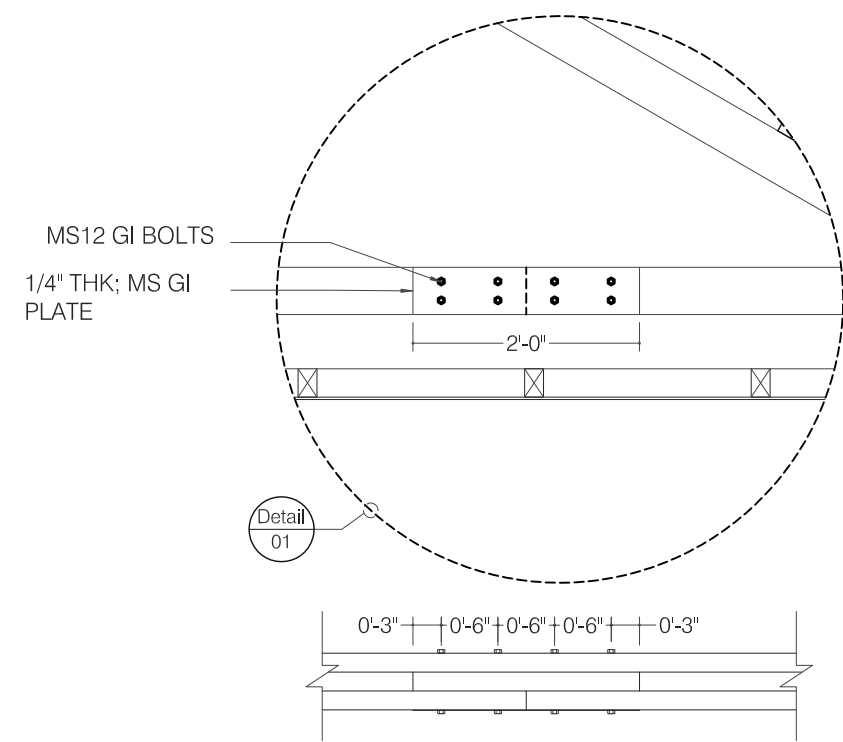
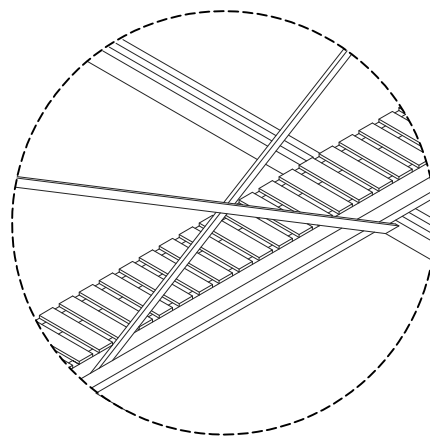
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ELEVATION - B & D



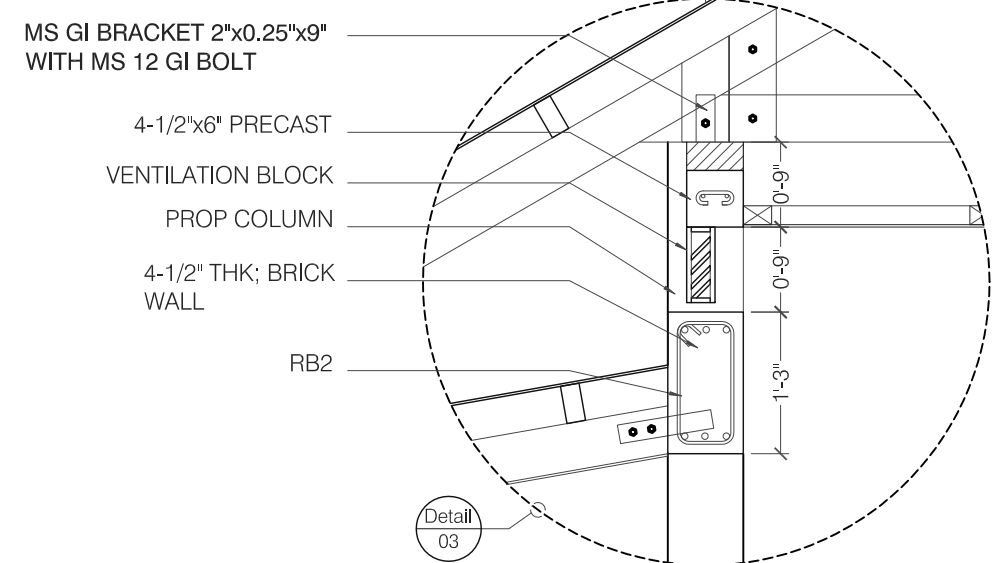
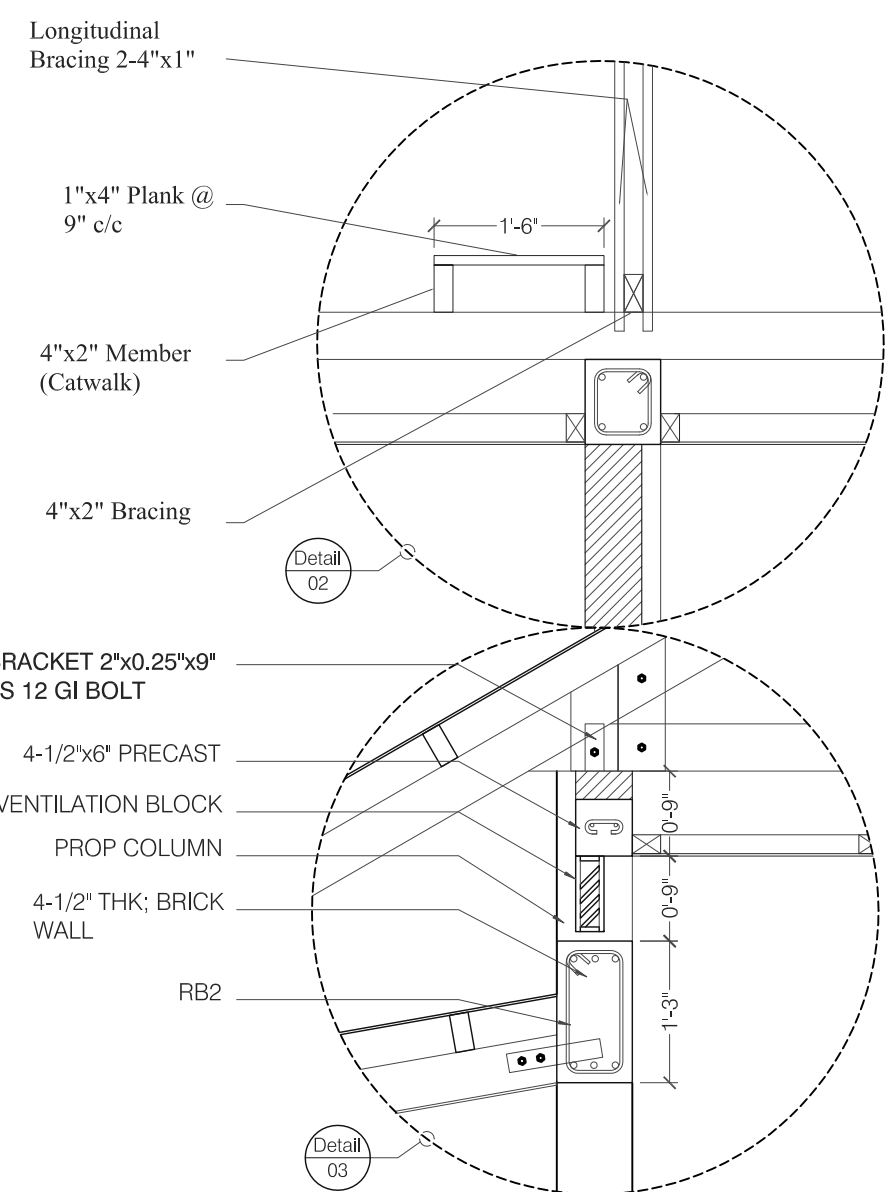
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SECTION A-A & B-B



1 SECTION A-A
A-205 SCALE: 1/8" = 1' - 0"



2 SECTION B-B
A-205 SCALE: 1/8" = 1' - 0"





4 - CLASSROOM+OFFICE SCHOOL

KAYIN & MON

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SCALE

3/4" = 1' - 0"

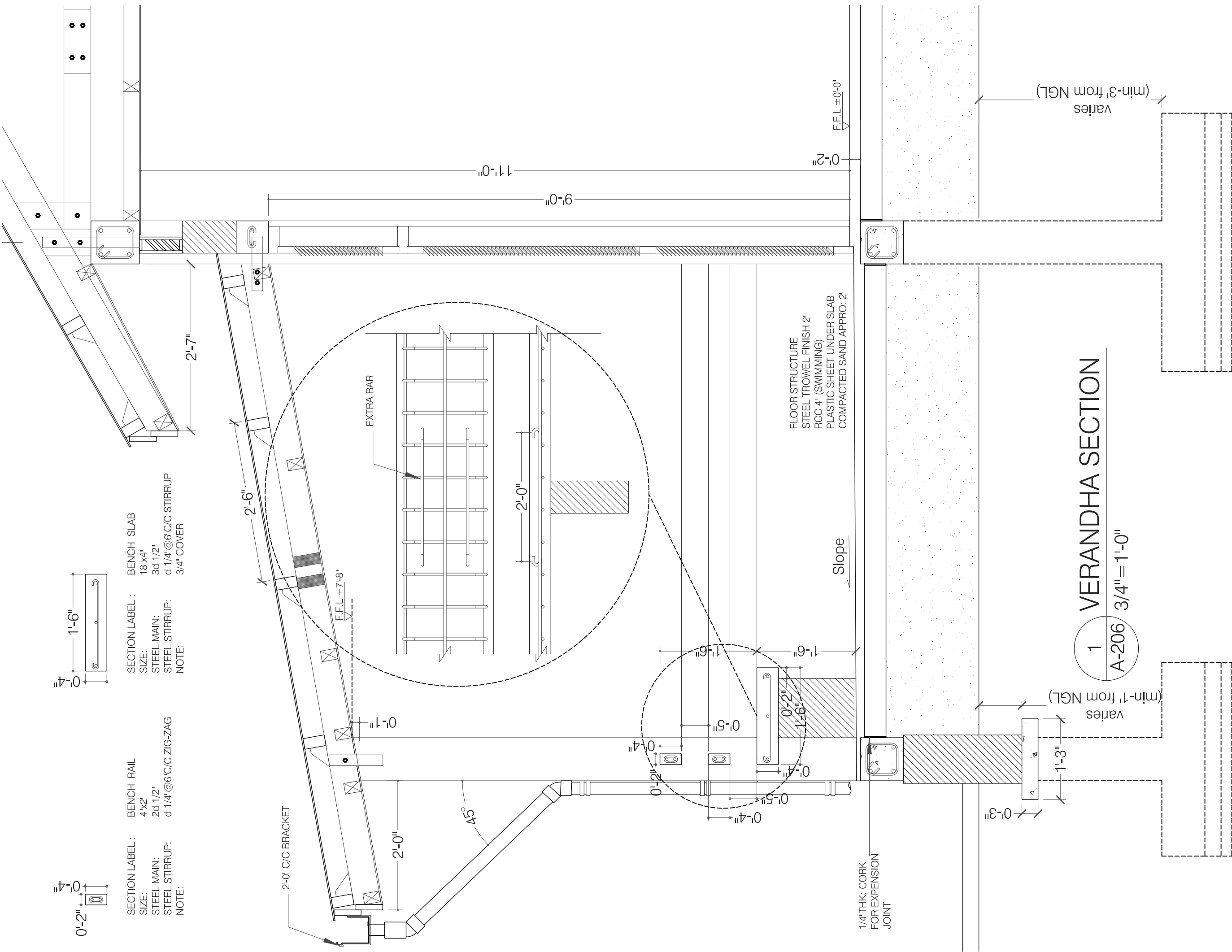
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VERANDHA SECTION

**A
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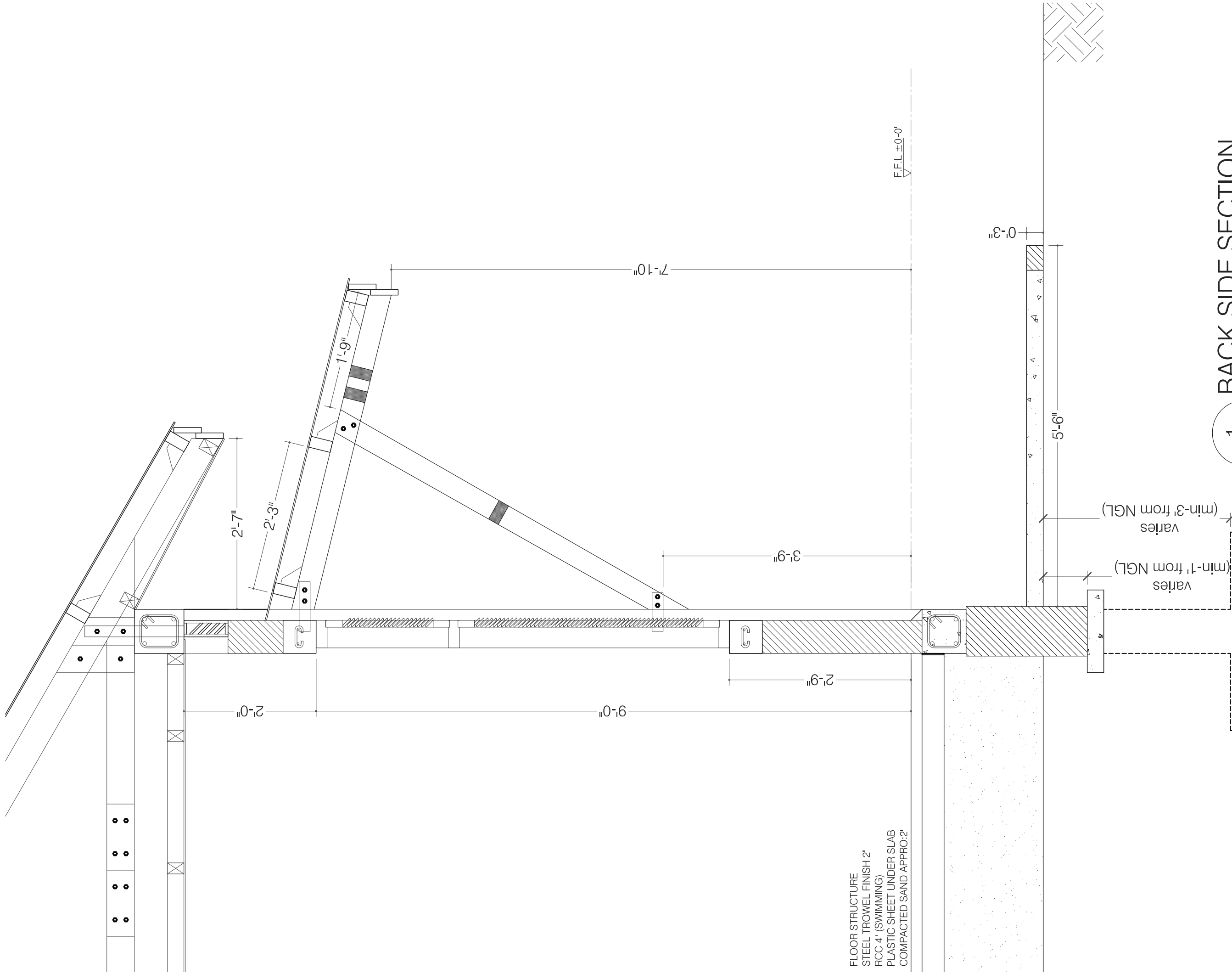


SECTION LABEL : BENCH SLAB
 SIZE: 18"x4"
 STEEL MAIN: 3d 1/2"
 STEEL STIRRUP: d 1/4"@6"/C STIRRUP
 NOTE: 3/4" COVER

SECTION LABEL : BENCH RAIL
 SIZE: 4"x2"
 STEEL MAIN: 2d 1/2"
 STEEL STIRRUP: d 1/4"@6"/C ZIG-ZAG
 NOTE:

FLOOR STRUCTURE
 STEEL TROWEL FINISH 2"
 RCC 4" (SWIMMING)
 PLASTIC SHEET UNDER SLAB
 COMPACTED SAND APPROX: 2"

1 VERANDHA SECTION
 A-206 3/4" = 1'-0"



1 BACK SIDE SECTION

A-207 3/4" = 1'-0"

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DRAWING TITLE
BACK SIDE SECTION



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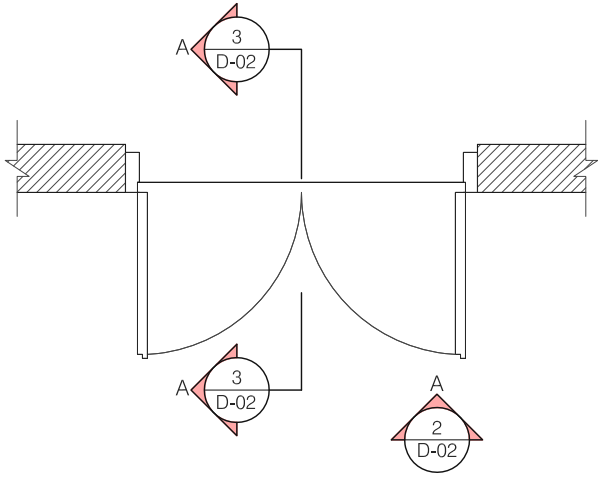
1/2" = 1' - 0"

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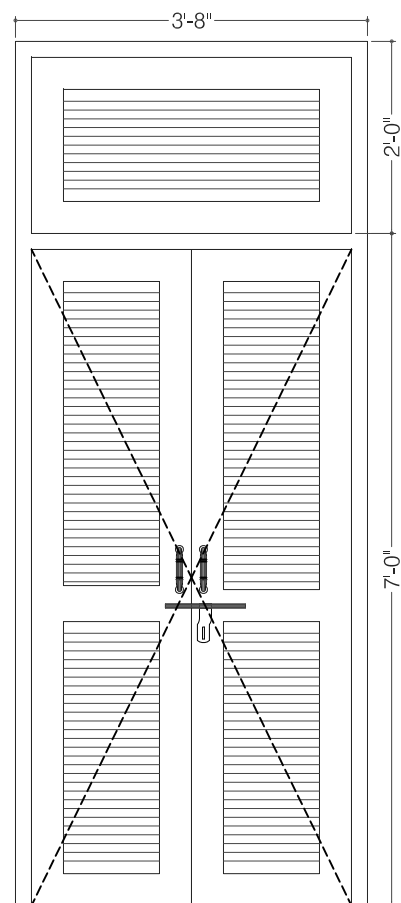
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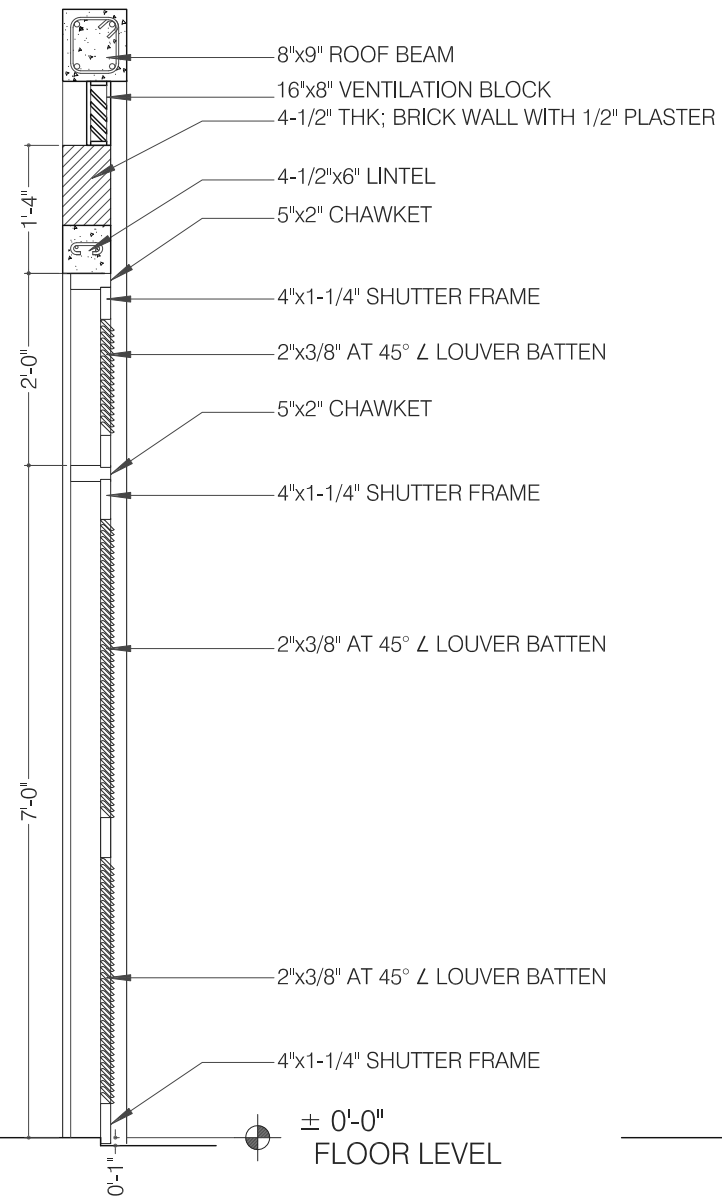
DOOR DETAIL



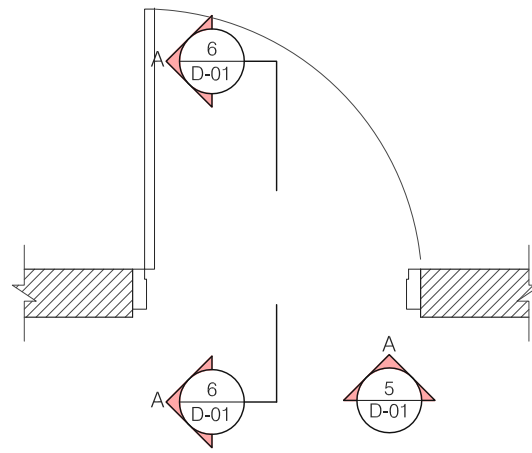
1 PLAN
D-01 SCALE: 1/2" = 1' - 0"



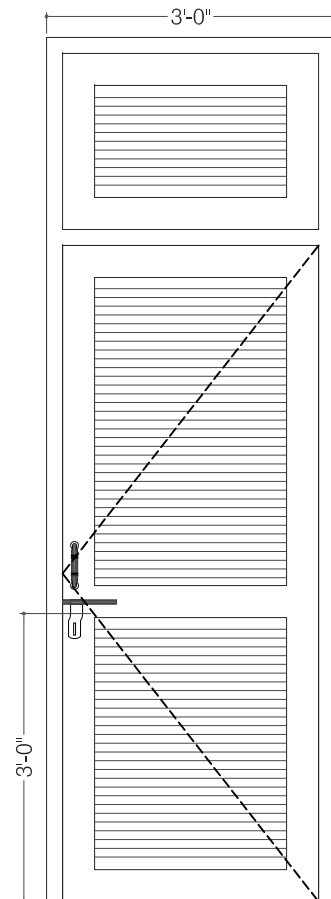
2 ELEVATION - A
D-01 SCALE: 1/2" = 1' - 0"



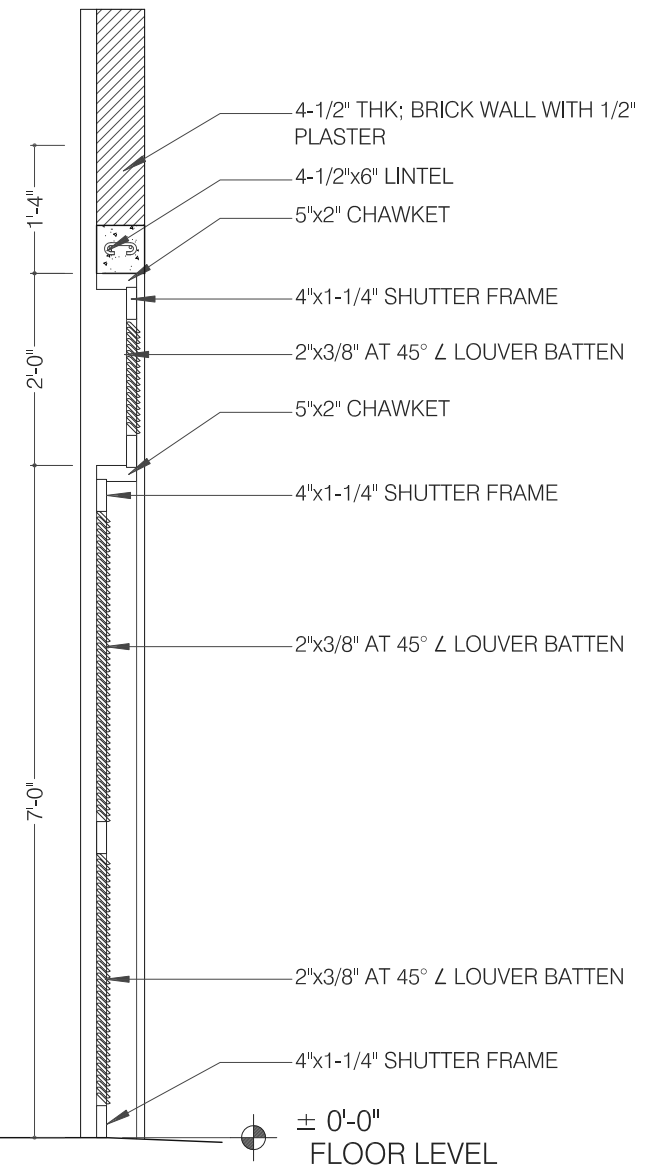
3 SECTION A-A
D-01 SCALE: 1/2" = 1' - 0"



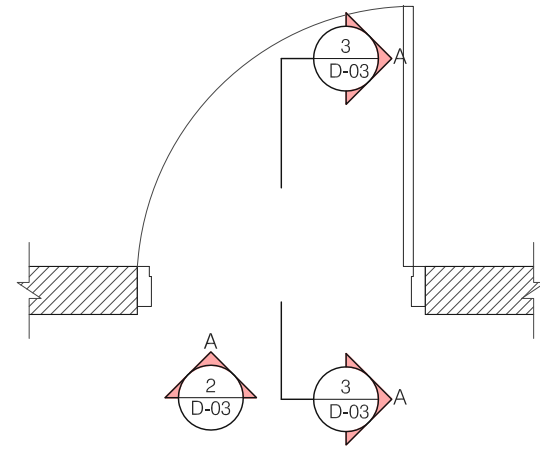
4 PLAN
D-02 SCALE: 1/2" = 1' - 0"



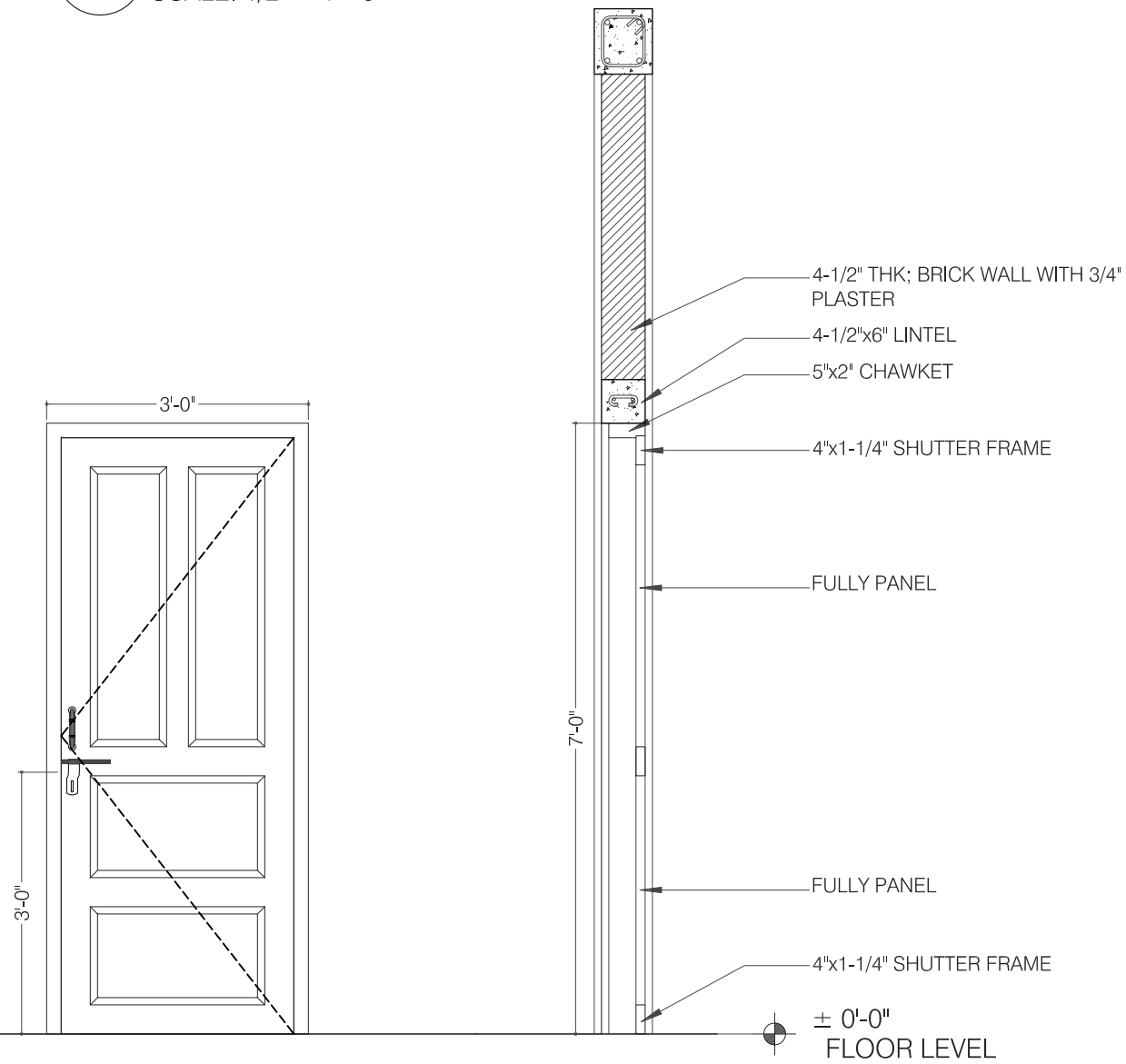
5 ELEVATION - A
D-02 SCALE: 1/2" = 1' - 0"



6 SECTION A-A
D-02 SCALE: 1/2" = 1' - 0"



1 PLAN
D-03 SCALE: 1/2" = 1' - 0"



2 ELEVATION - A
D-03 SCALE: 1/2" = 1' - 0"

3 SECTION A-A
D-03 SCALE: 1/2" = 1' - 0"

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CONSTRUCTION
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SCALE

1/2" = 1' - 0"

DATE

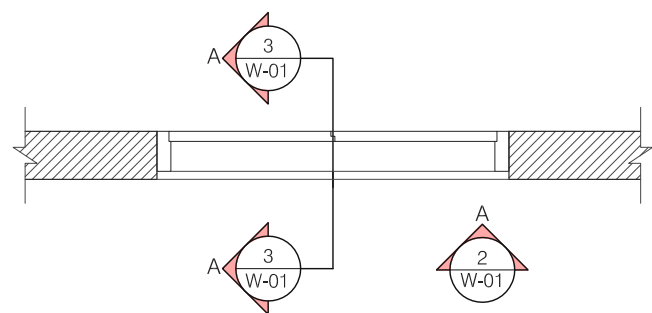
13/9/2014

DRAWING TITLE

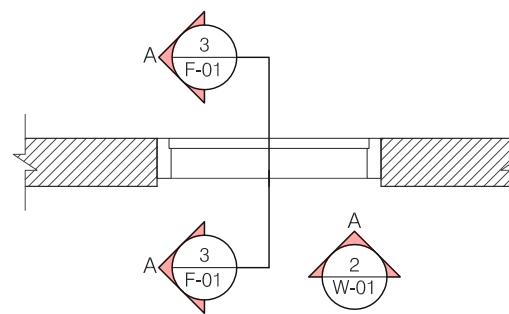
DOORS DETAIL



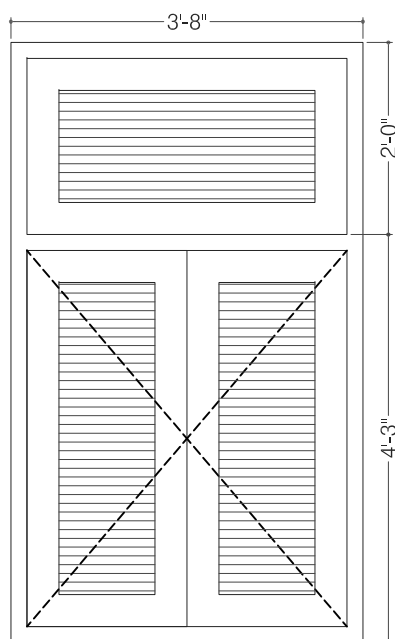
4 - CLASSROOM+OFFICE SCHOOL
KAYIN & MON



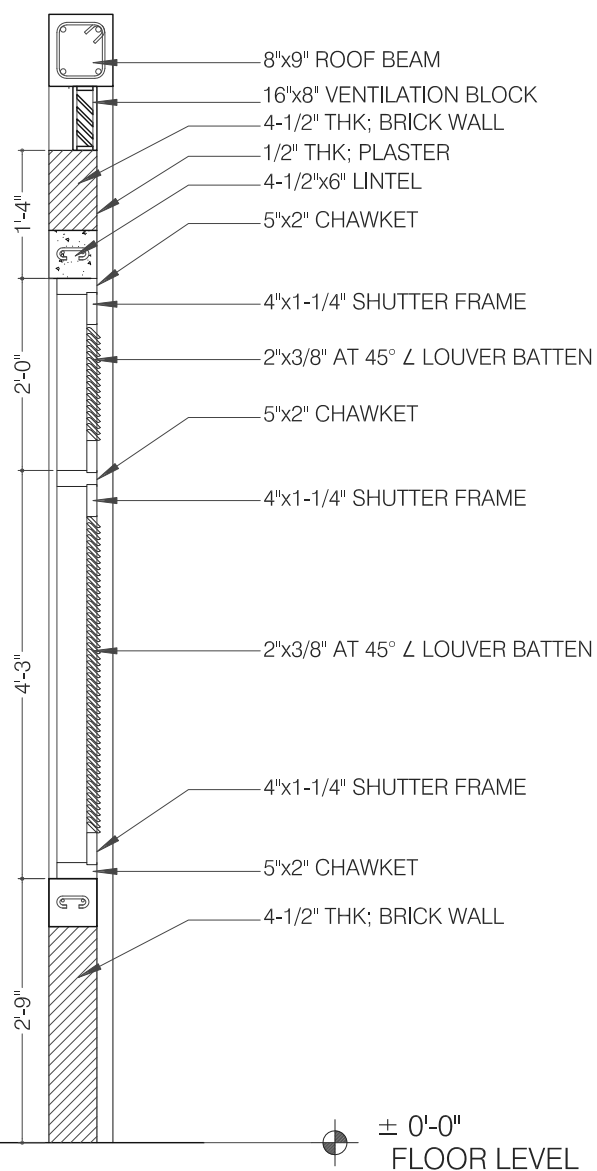
1 PLAN
W-01 SCALE: 1/2" = 1' - 0"



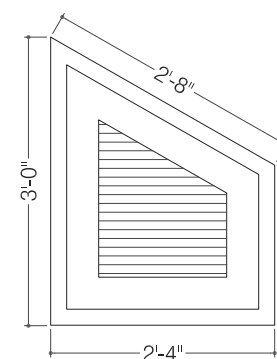
4 PLAN
F-01 SCALE: 1/2" = 1' - 0"



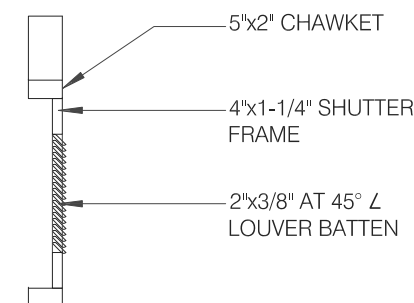
2 ELEVATION-A
W-01 SCALE: 1/2" = 1' - 0"



3 SECTION A-A
W-01 SCALE: 1/2" = 1' - 0"



5 ELEVATION-A
F-01 SCALE: 1/2" = 1' - 0"



6 SECTION A-A
F-01 SCALE: 1/2" = 1' - 0"

REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/2" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE
WINDOW S DETAIL

FOOTING SCHEDULE

TYPE	SIZE	DEPTH	REINFOR CEMENT CONCRETE		REMARK
			PARALLEL TO LONG SIDE	PARALLEL TO SHORT SIDE	
F1	4'-0" x 4'-0" x 0'-9"	VARIABLES	12mmØ Steels@6"C/C	12mmØ Steels@6"C/C	Only Bottom Layer
F2	3'-0" x 3'-0" x 0'-9"	VARIABLES	12mmØ Steels@6"C/C	12mmØ Steels@6"C/C	Only Bottom Layer

COLUMN SCHEDULE

TYPE	SIZE	REINFOR CEMENT CONCRETE		REMARK
		MAIN	TIE	
C1	8" x 8"	4 - 16 mm Ø	STIRRUP 6.5 mm Ø @ 6" C/C	Footing to Roof Beam
PC	8" x 8"	4 - 16 mm Ø	STIRRUP 6.5 mm Ø @ 6" C/C	From RB1 to Rafter

GROUND BEAM SCHEDULE

TYPE	SIZE	REINFOR CEMENT CONCRETE		
		TOP	BOTTOM	STIRRUP
GB 1	8" x 10"	2 - 16 mm Ø	2 - 16 mm Ø	STIRRUP 6.5 mm Ø @ 6" C/C

FLOOR SLAB SCHEDULE

TYPE	THICKNESS	REINFOR CEMENT CONCRETE		REMARK
		TOP	BOTTOM	
S1	4"	50mmx50mm x 2.4mmØ Square mesh (2"x2")		-

To place 1/4" cork between S1&GB1 for expansion joist and to place plastic sheet under slab

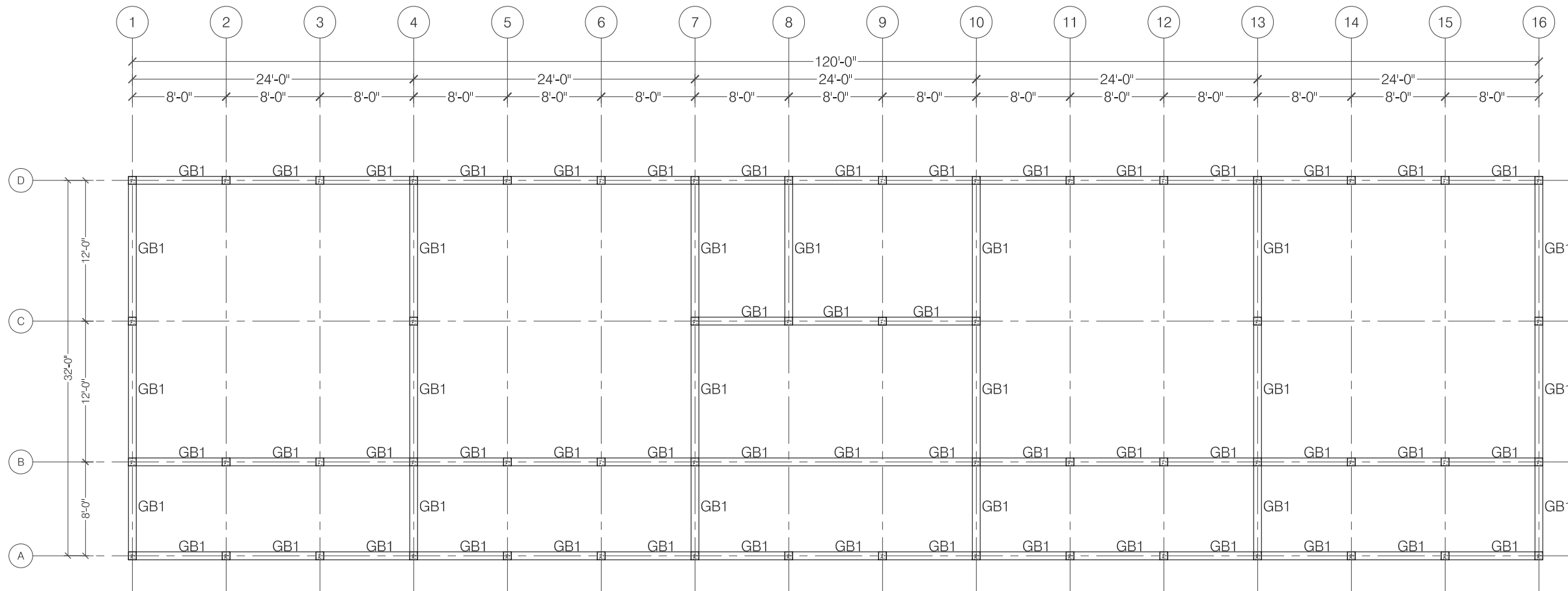
ROOF BEAM SCHEDULE

TYPE	SIZE	REINFOR CEMENT CONCRETE		
		TOP	BOTTOM	STIRRUP
RB 1	8" x 9"	2 - 16 mm Ø	2 - 16 mm Ø	STIRRUP 6.5 mm Ø @ 6" C/C
RB 2	8" x 15"	4 - 16 mm Ø	4 - 16 mm Ø	STIRRUP 6.5 mm Ø @ 6" C/C



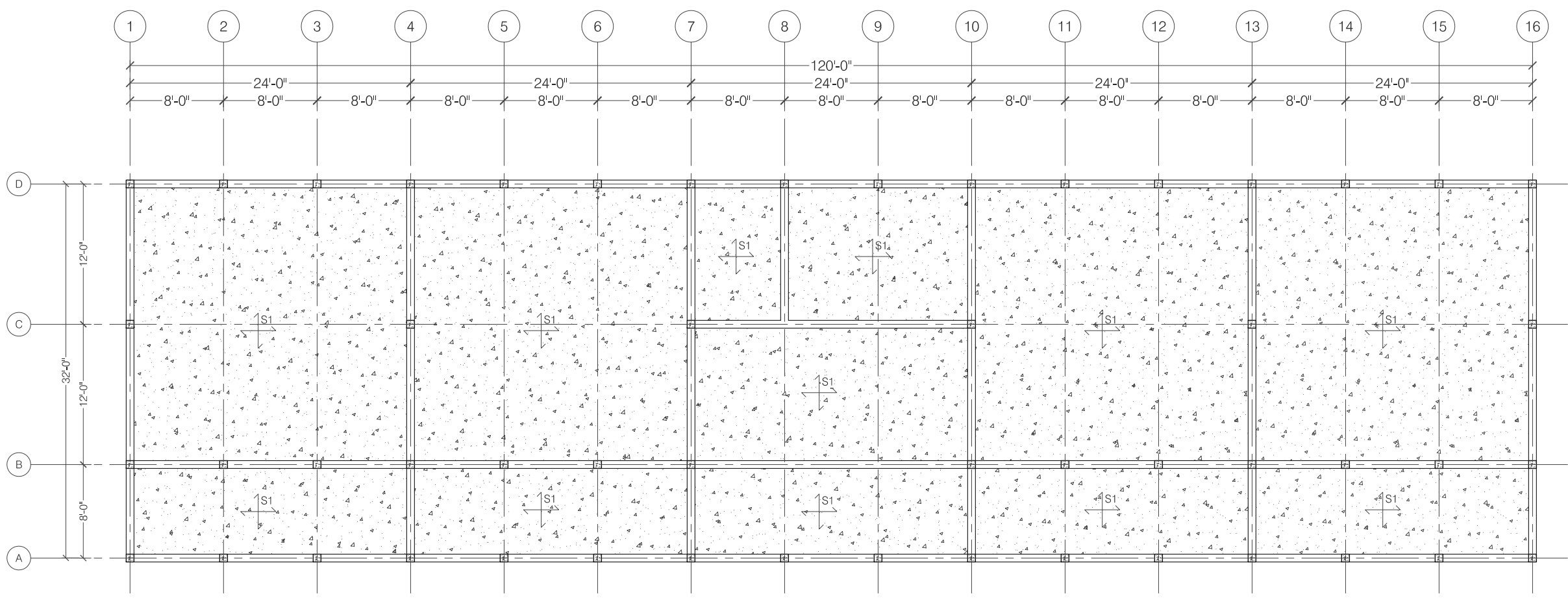


4 - CLASSROOM+OFFICE SCHOOL
KAYIN & MON



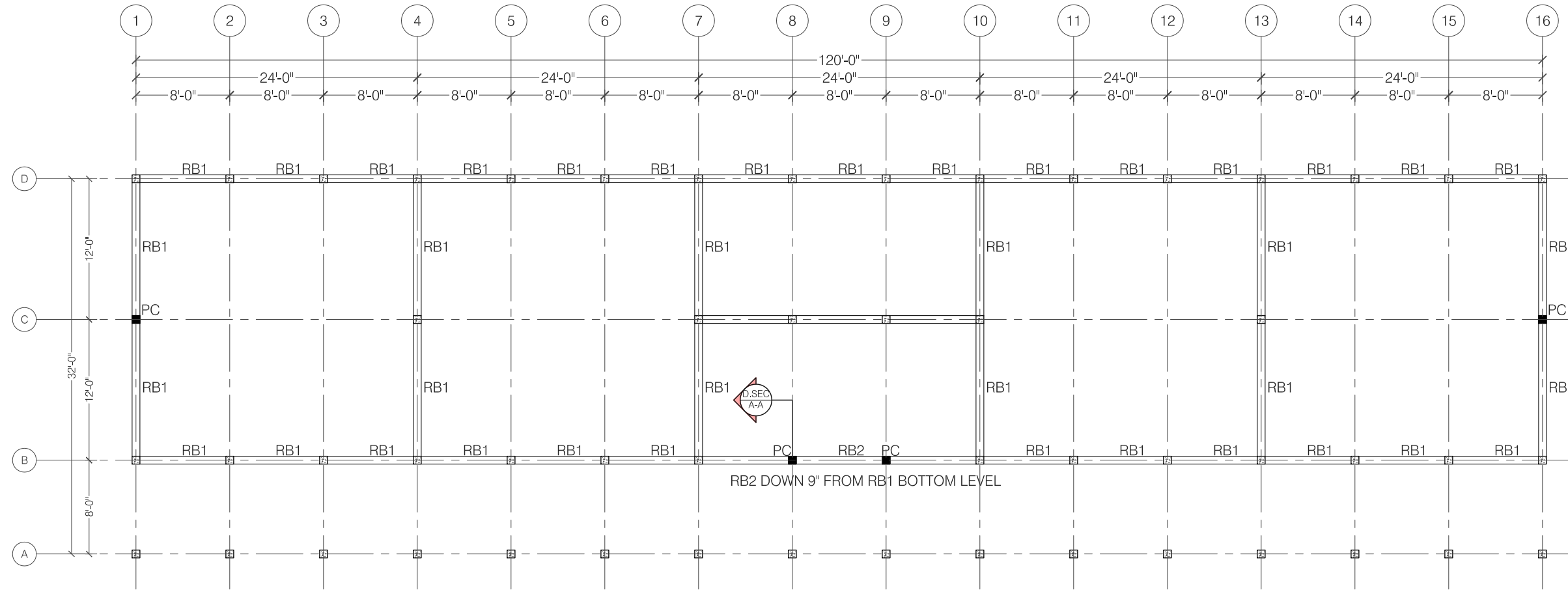
1 GROUND BEAM PLAN
S-304 SCALE: 3/32" = 1' - 0"

REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/32" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE
GROUND BEAM PLAN



1 GROUND SLAB PLAN
S-305 SCALE: 3/32" = 1' - 0"

REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/32" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE
GROUND SLAB PLAN

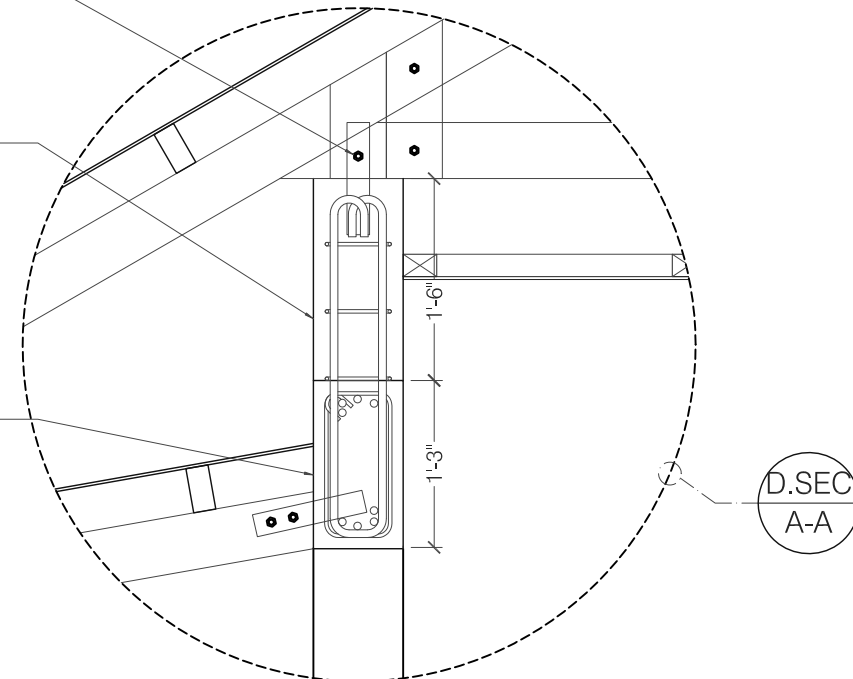


MS GI BRACKET 2"x0.25"x9"
WITH MS12 GI BOLT

1 ROOF BEAM PLAN
S-306 SCALE: 3/32" = 1' - 0"

PROP COLUMN

RB2



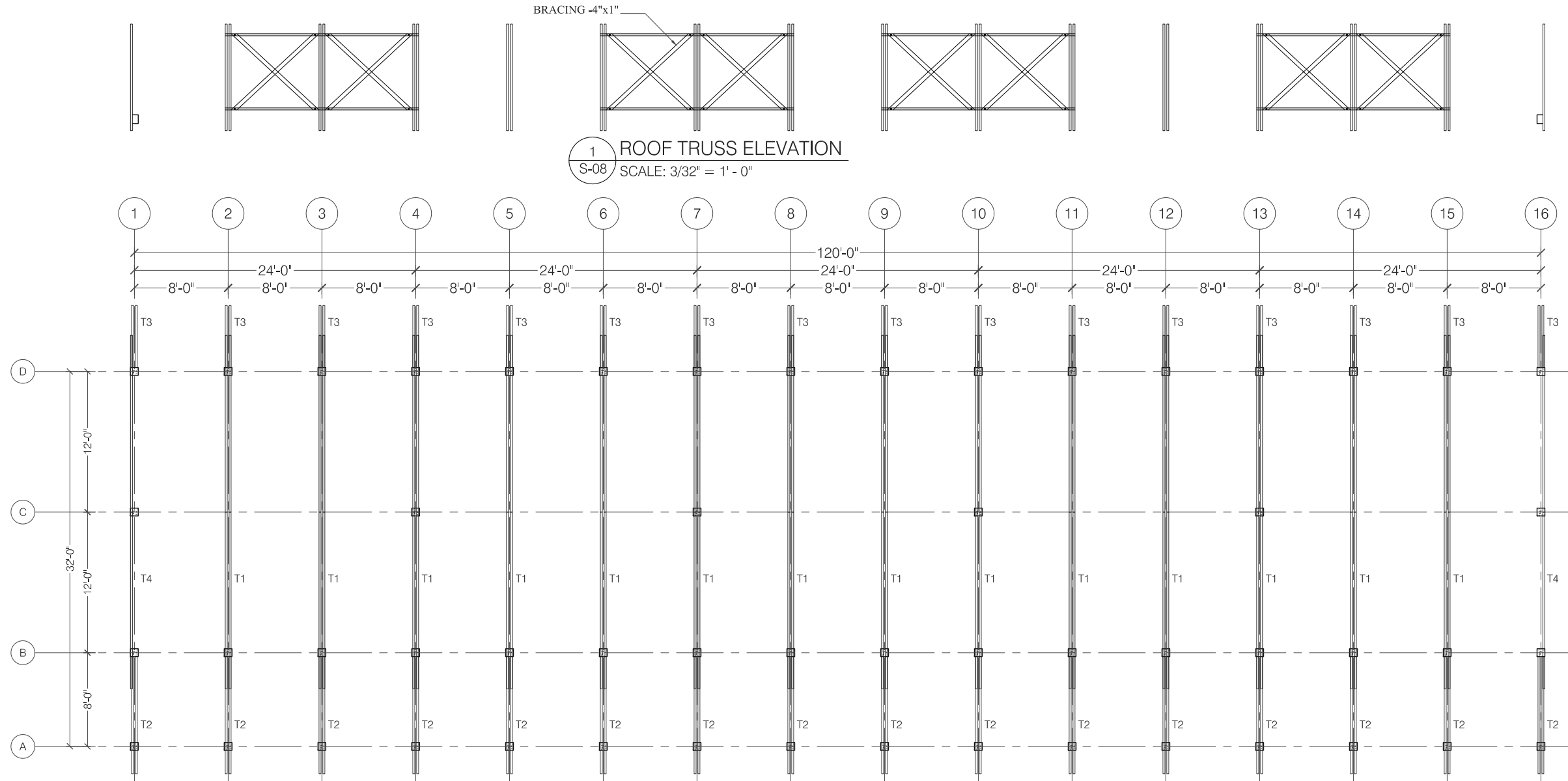
REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT

SCALE
3/32" = 1' - 0"

DATE
13/9/2014

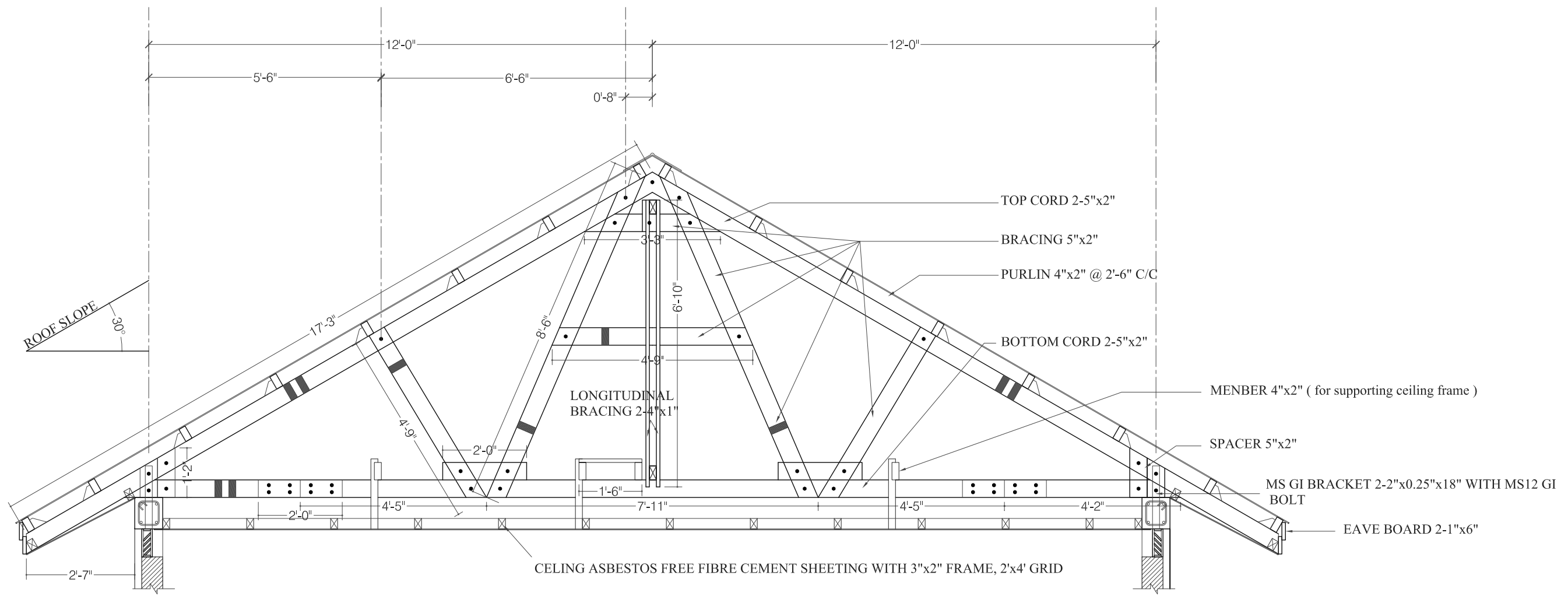
DRAWING TITLE
ROOF BEAM PLAN



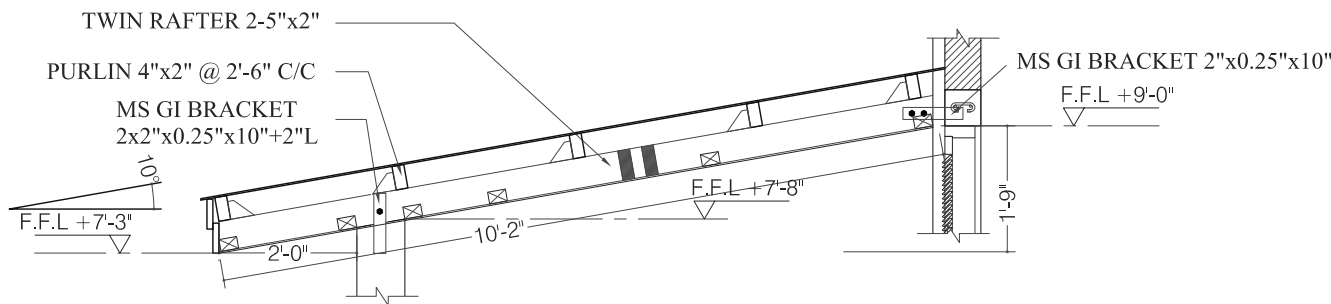
1 ROOF TRUSS ELEVATION
S-08 SCALE: 3/32" = 1' - 0"

1 ROOF TRUSS PLAN
S-307 SCALE: 3/32" = 1' - 0"

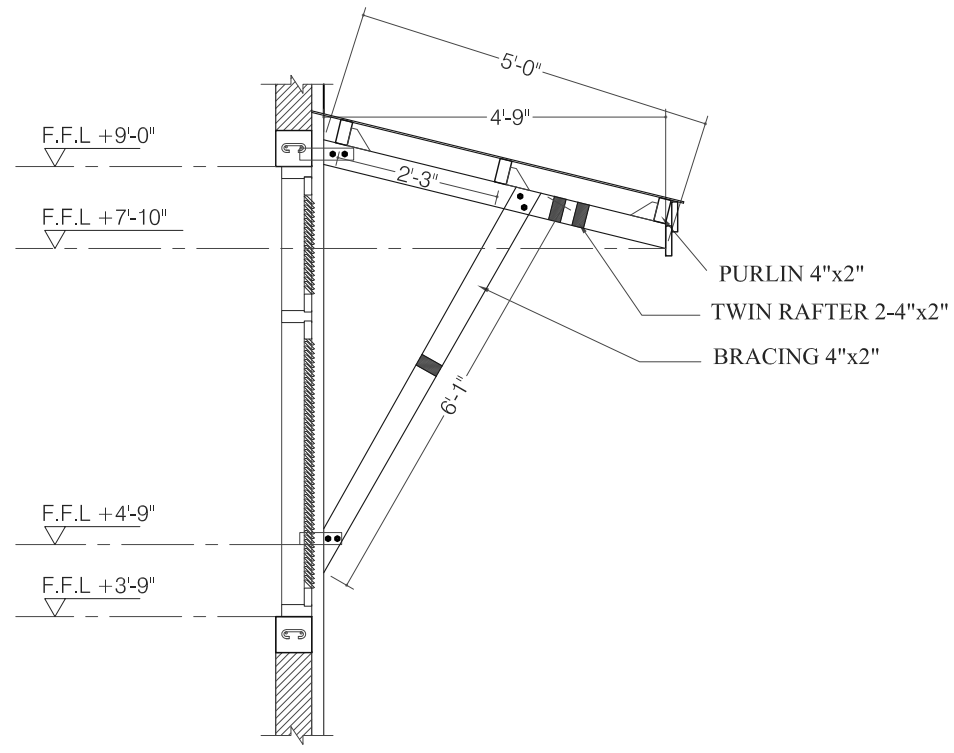
REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/32" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE
ROOF TRUSS PLAN



1 T1
 S-308 SCALE: 3/8" = 1' - 0"

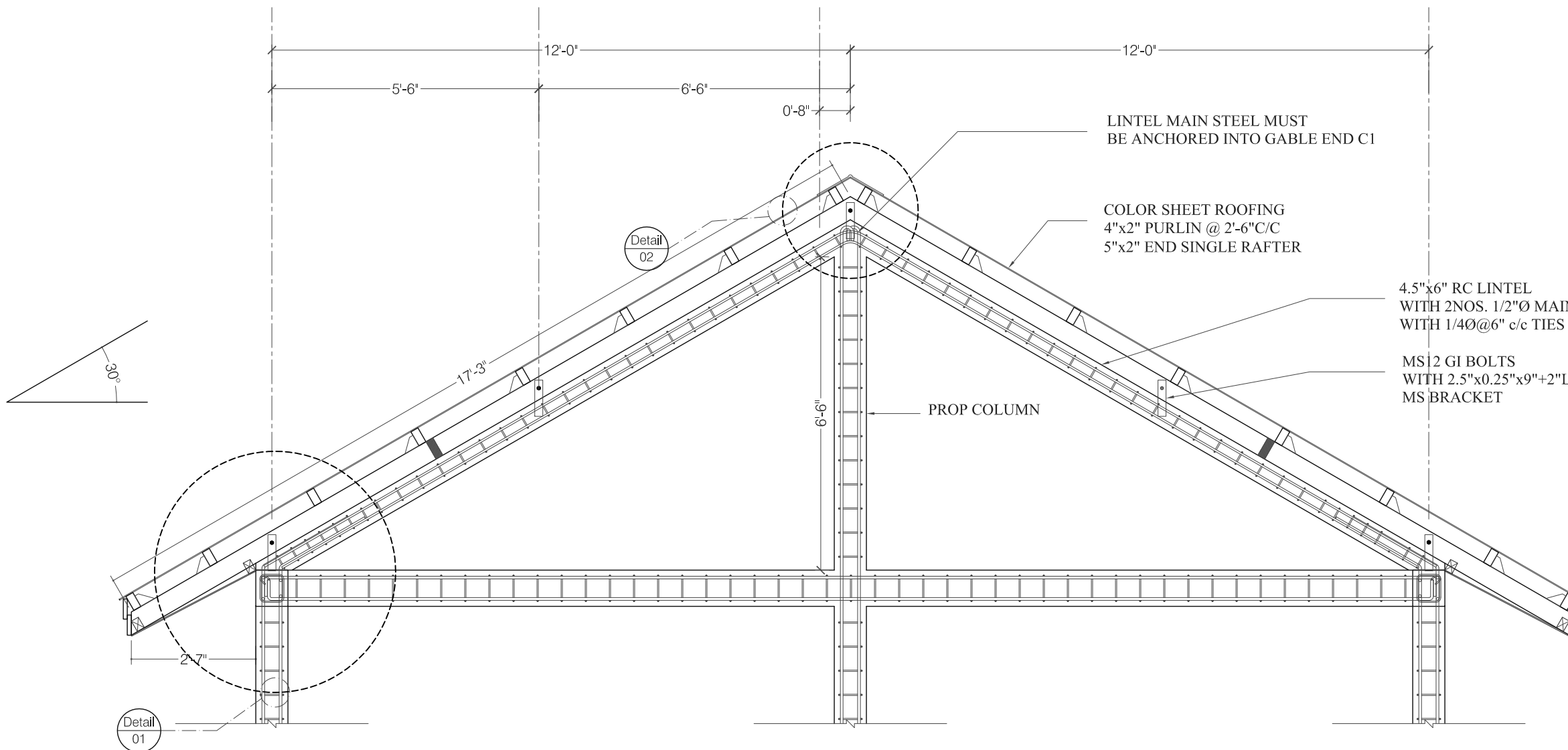


2 T2
 S-308 SCALE: 3/8" = 1' - 0"

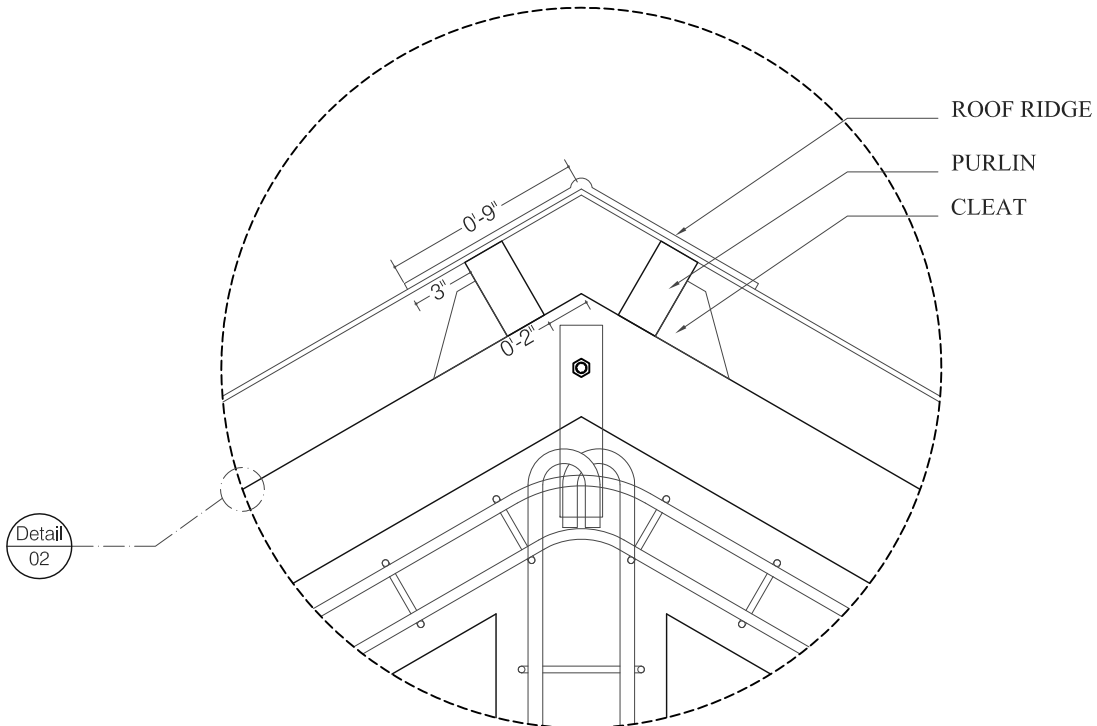
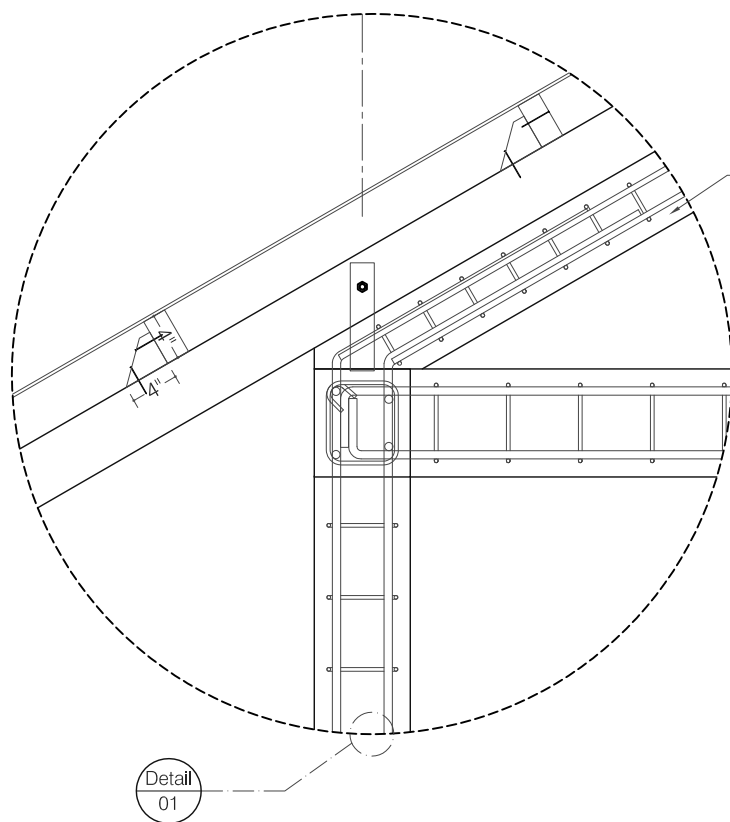


3 T3
 S-308 SCALE: 3/8" = 1' - 0"

REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE
ROOF TRUSS DETAIL



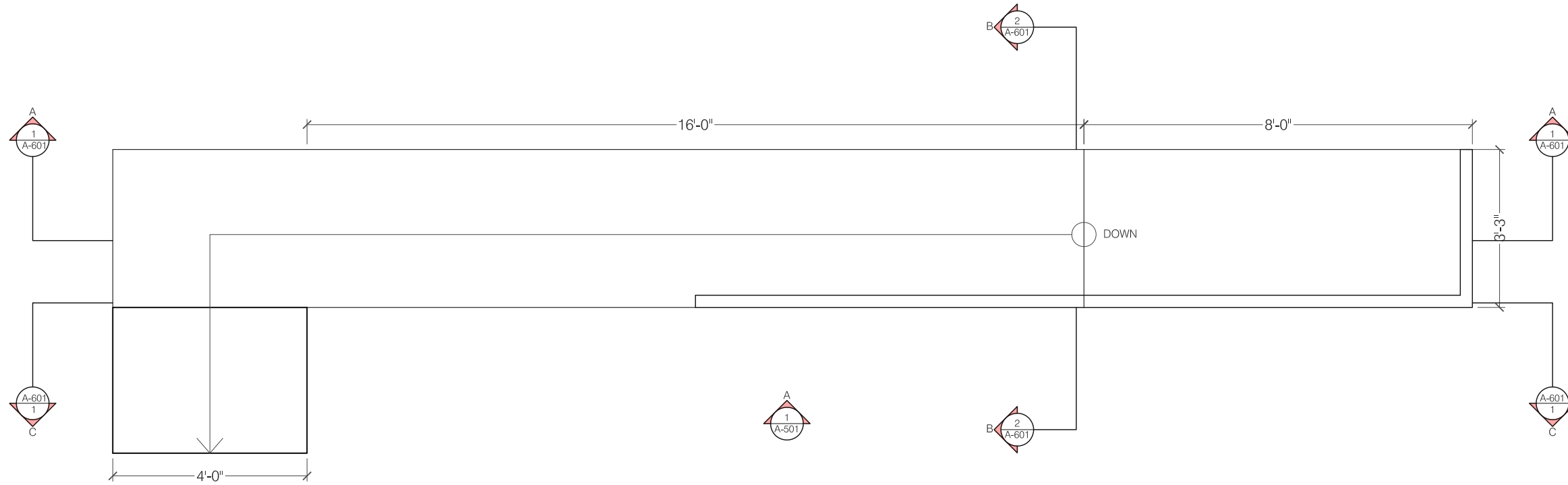
1 T4
S-309 SCALE: 3/8" = 1' - 0"



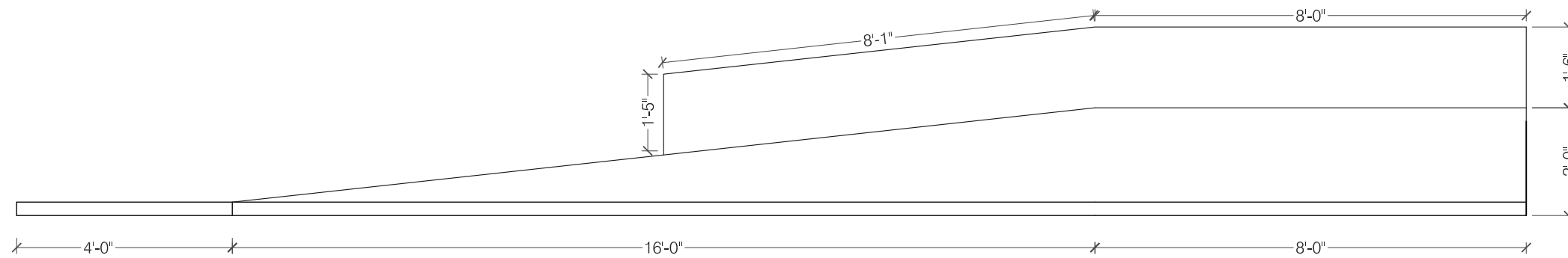
REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE
ROOF TRUSS DETAIL



4 - CLASSROOM+OFFICE SCHOOL
KAYIN & MON



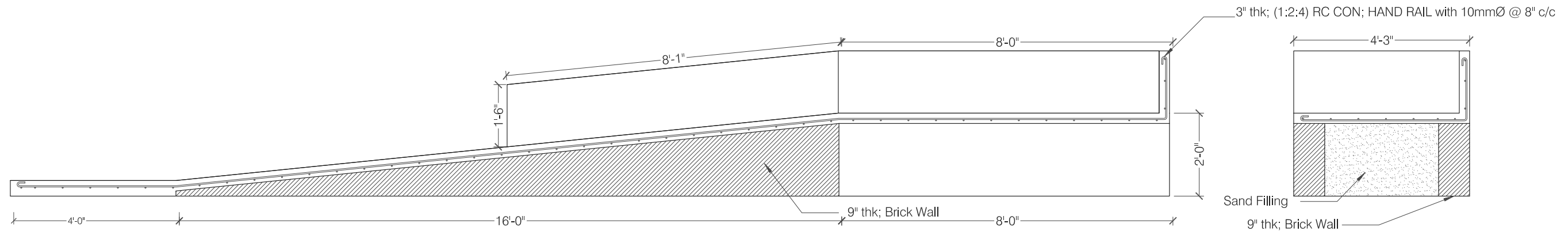
1 RAMP PLAN
S-310 SCALE: 3/8" = 1' - 0"



2 ELEVATION
S-310 SCALE: 3/8" = 1' - 0"

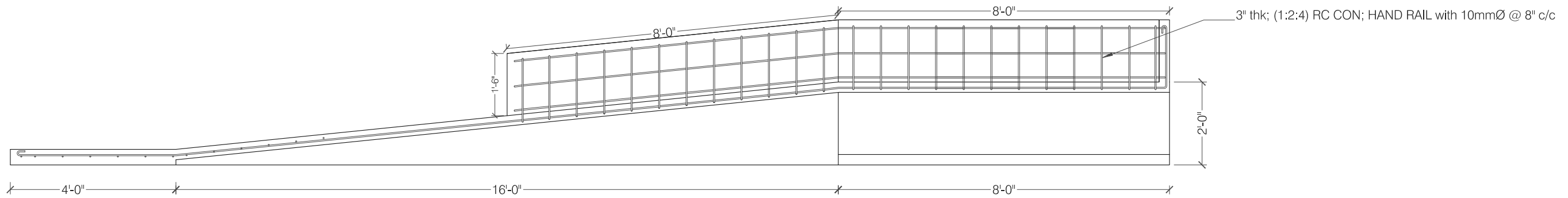
REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/2" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE

RAMP PLAN & ELEVATION



1 SECTION A-A
S-311 SCALE: 3/8" = 1' - 0"

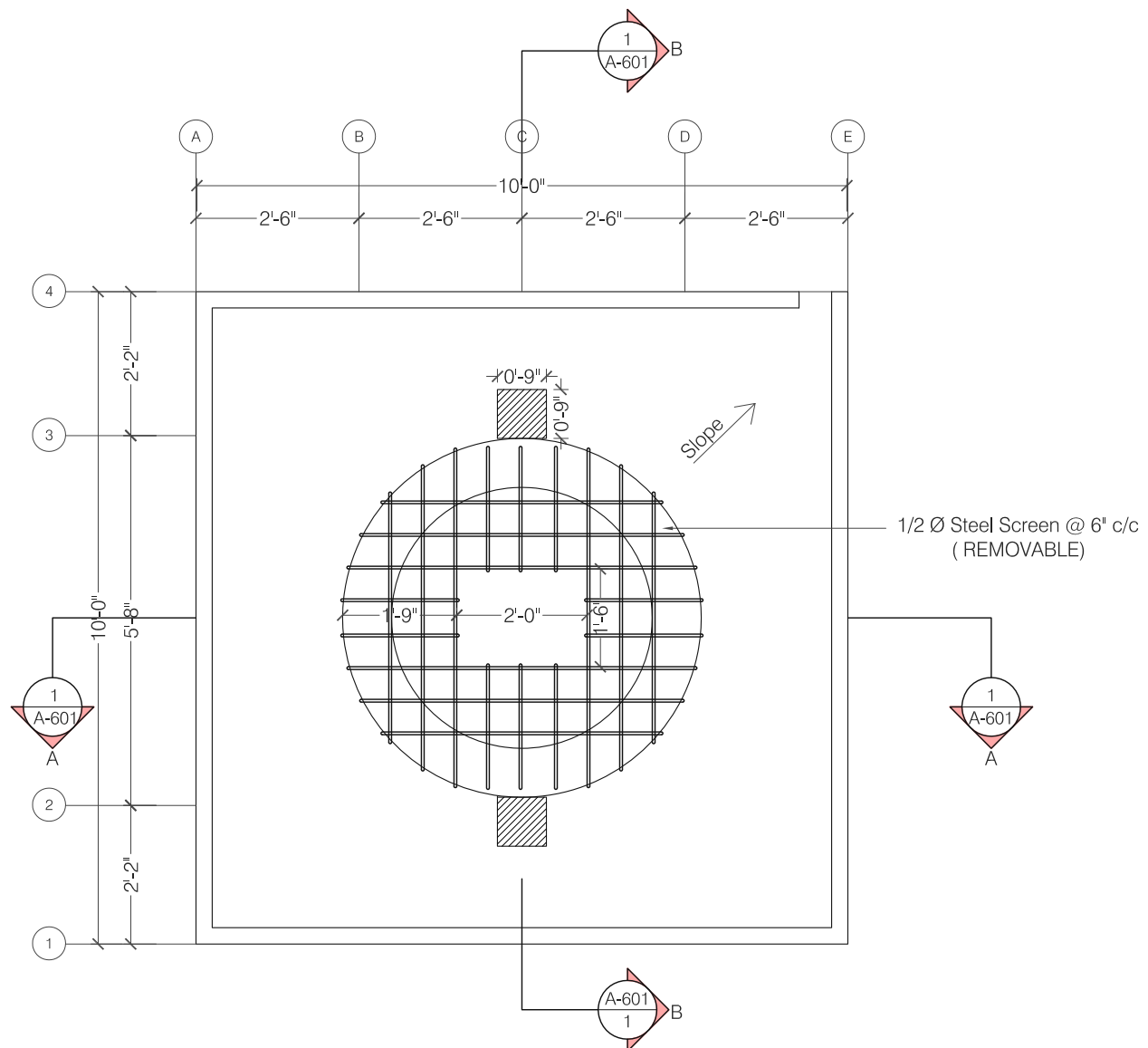
1 SECTION B-B
S-311 SCALE: 3/8" = 1' - 0"



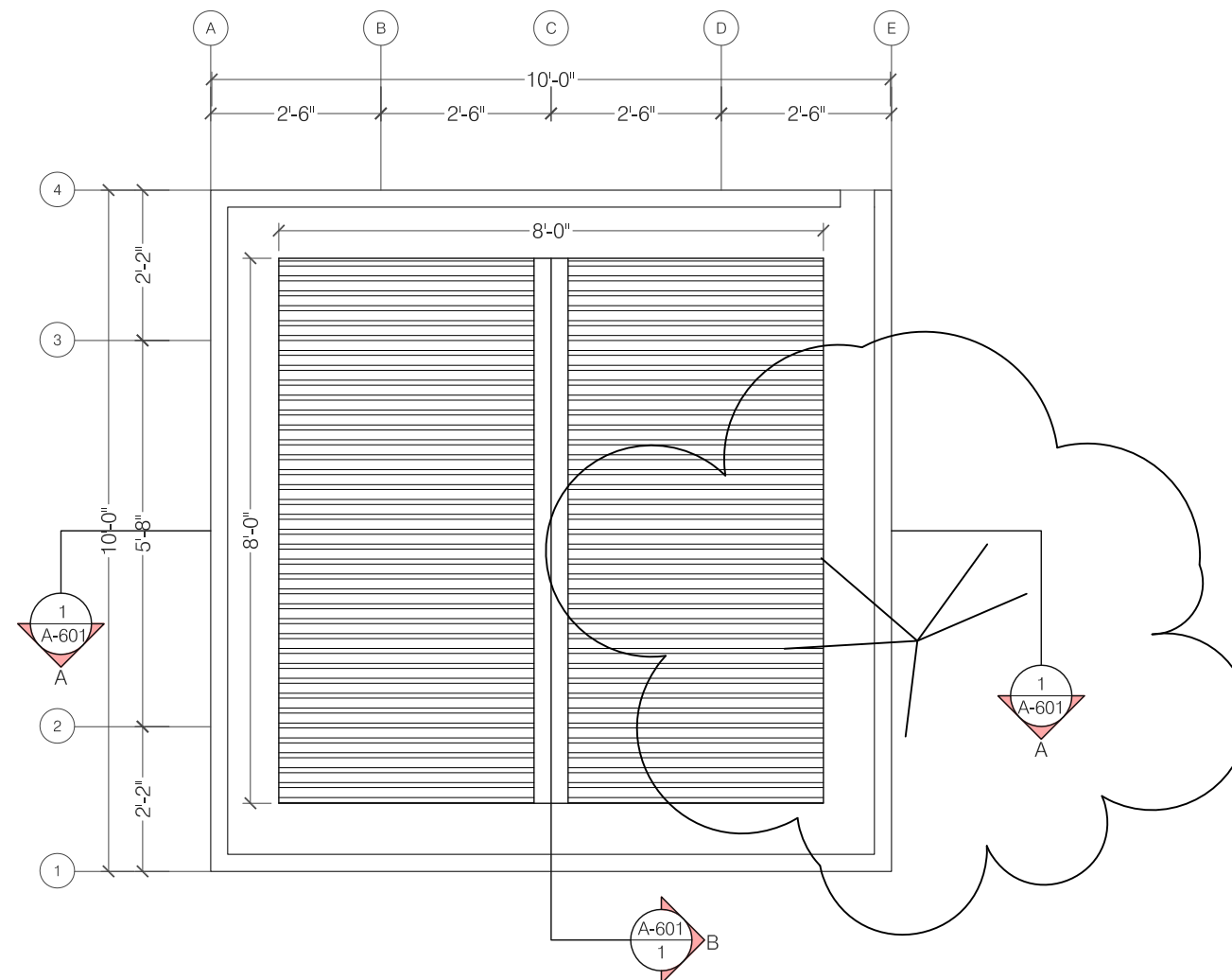
3 SECTION C-C
S-311 SCALE: 3/8" = 1' - 0"

REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/2" = 1' - 0"
DATE
13/9/2014
DRAWING TITLE

RAMP SECTION - AA, BB & CC



1 PLAN
401 SCALE: 3/8" = 1' - 0"



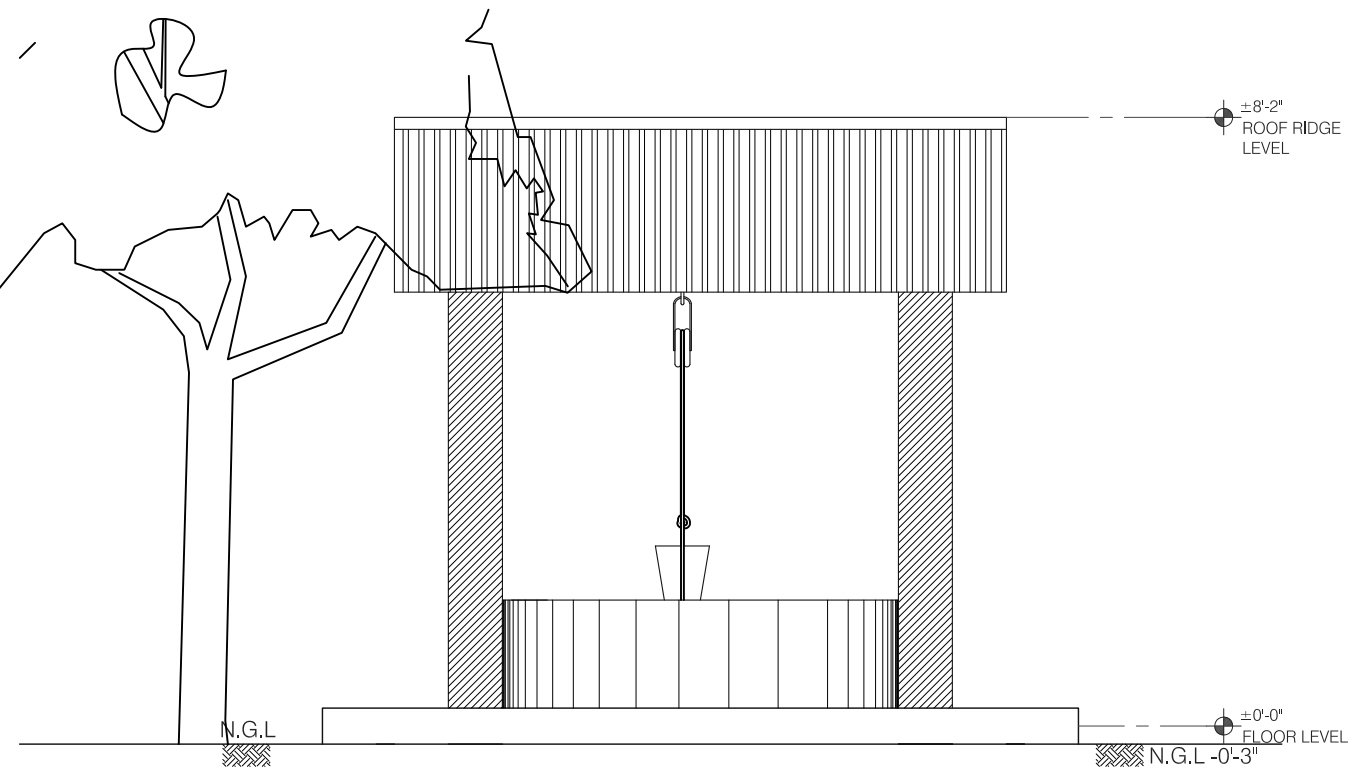
2 ROOF PLAN
401 SCALE: 3/8" = 1' - 0"

REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
18/8/2014
DRAWING TITLE
PLAN & ROOF PLAN

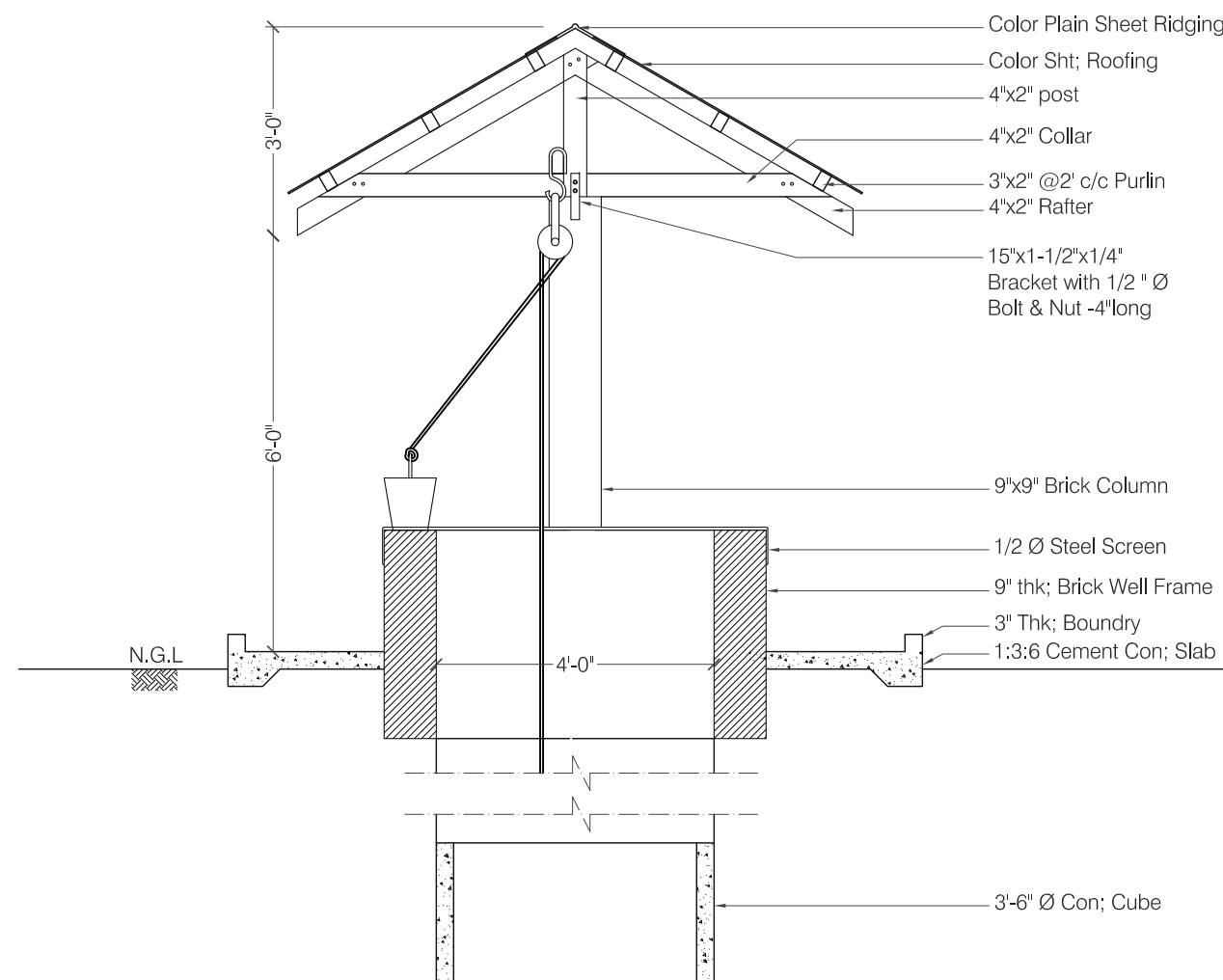


SHALLOW WELL
KAYIN & MON

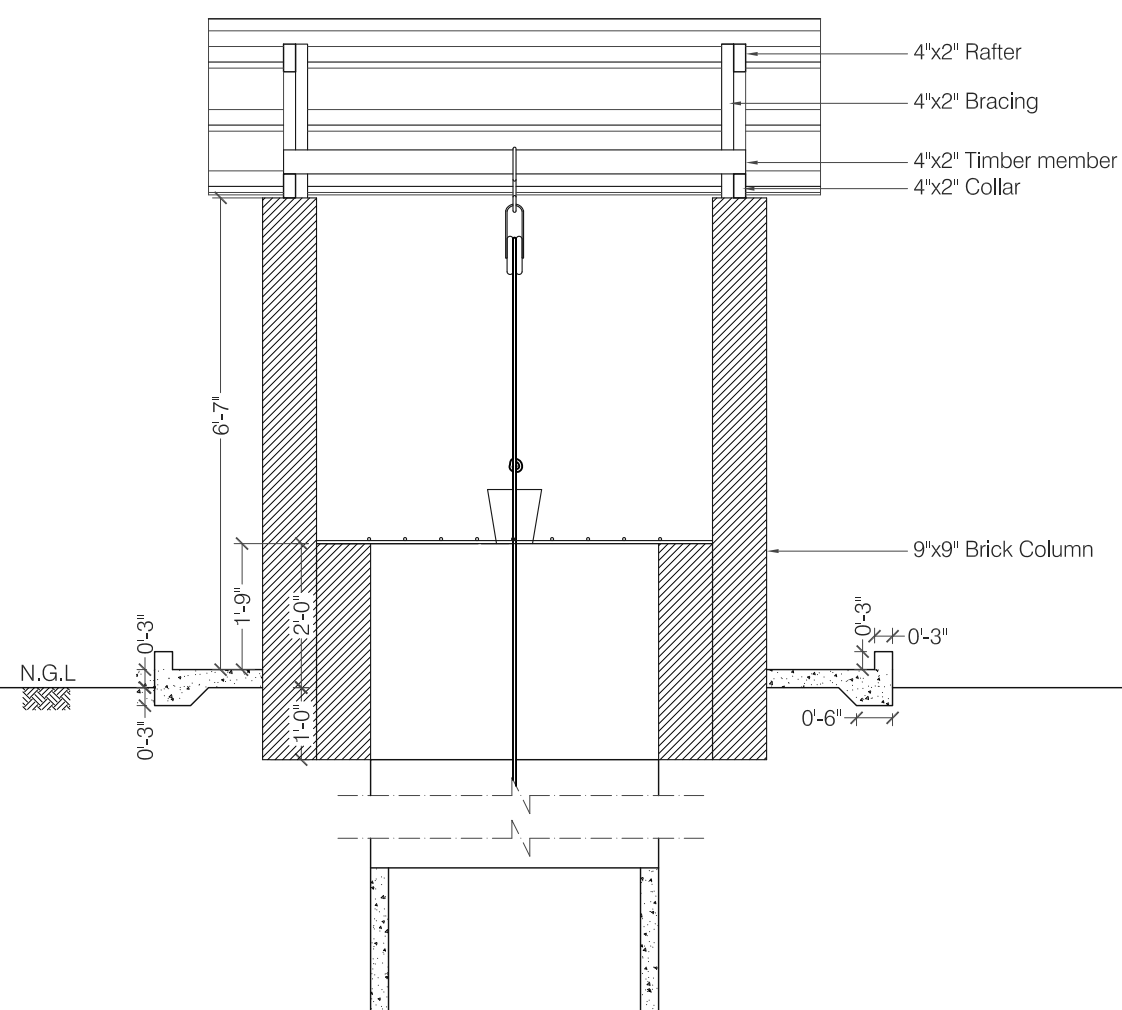
REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
18/8/2014
DRAWING TITLE
ELEVATION, SECTION A-A & B-B



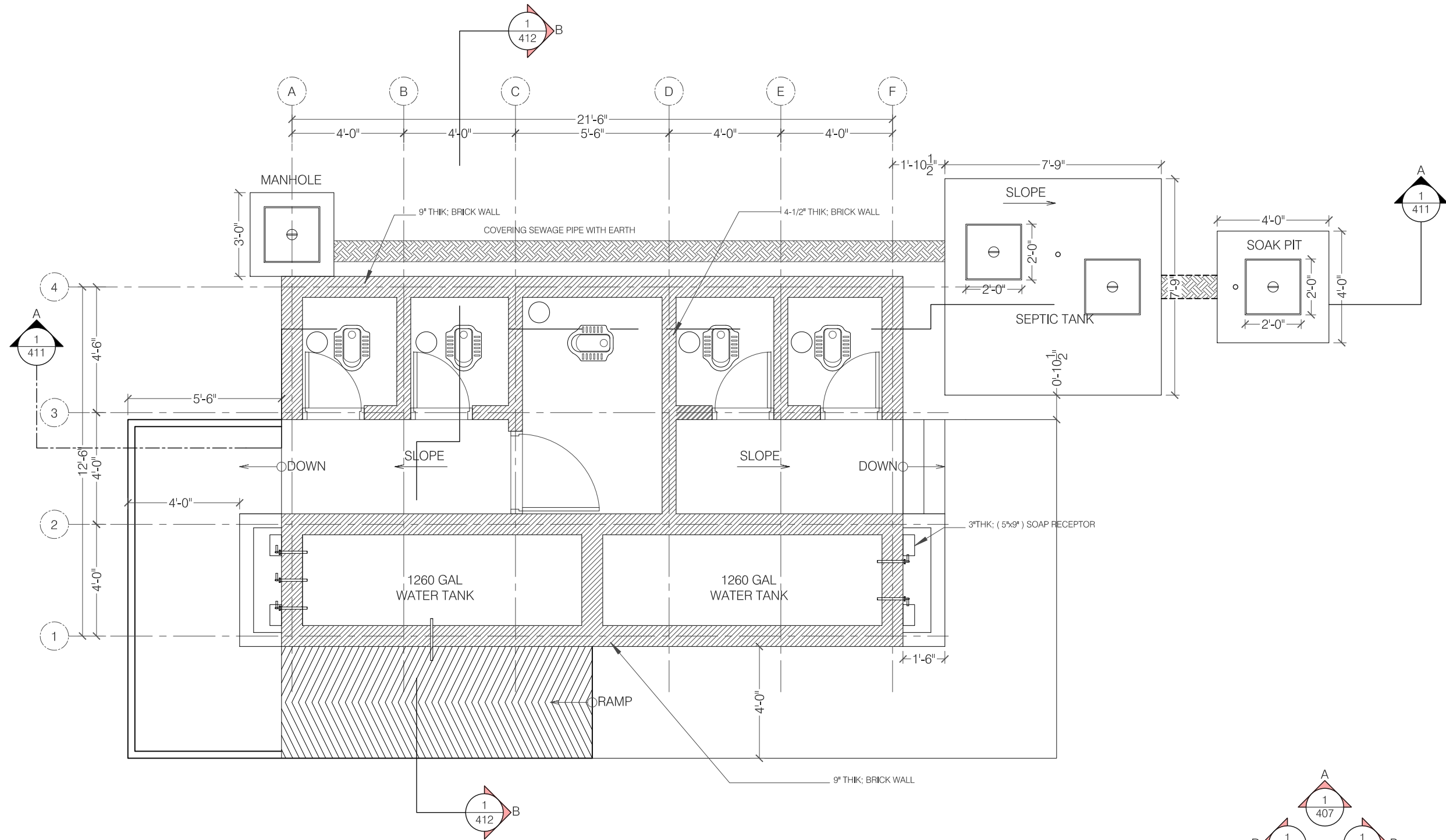
1 ELEVATION
402 SCALE: 3/8" = 1' - 0"



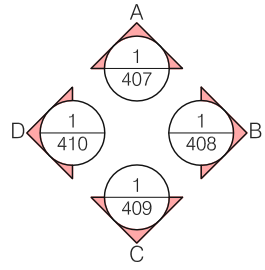
2 SECTION A-A
402 SCALE: 3/8" = 1' - 0"



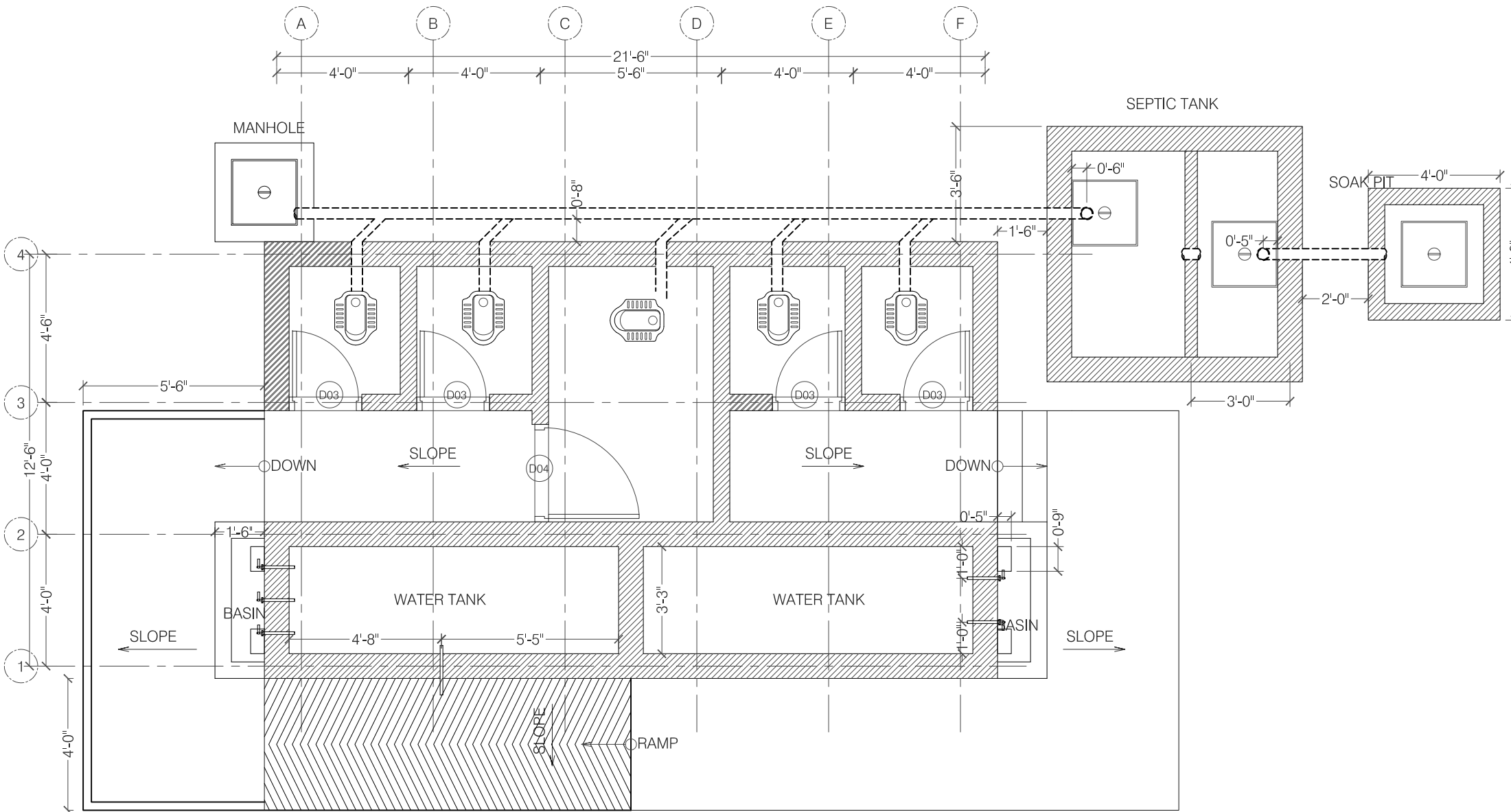
3 SECTION B-B
402 SCALE: 3/8" = 1' - 0"



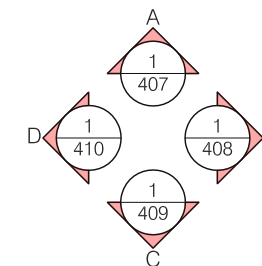
1 FLOOR PLAN
404 SCALE: 1/4" = 1' - 0"



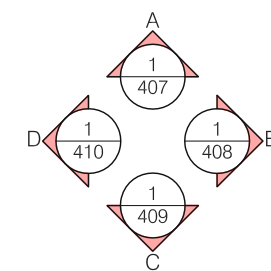
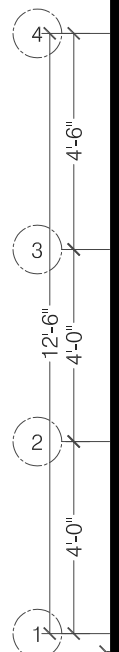
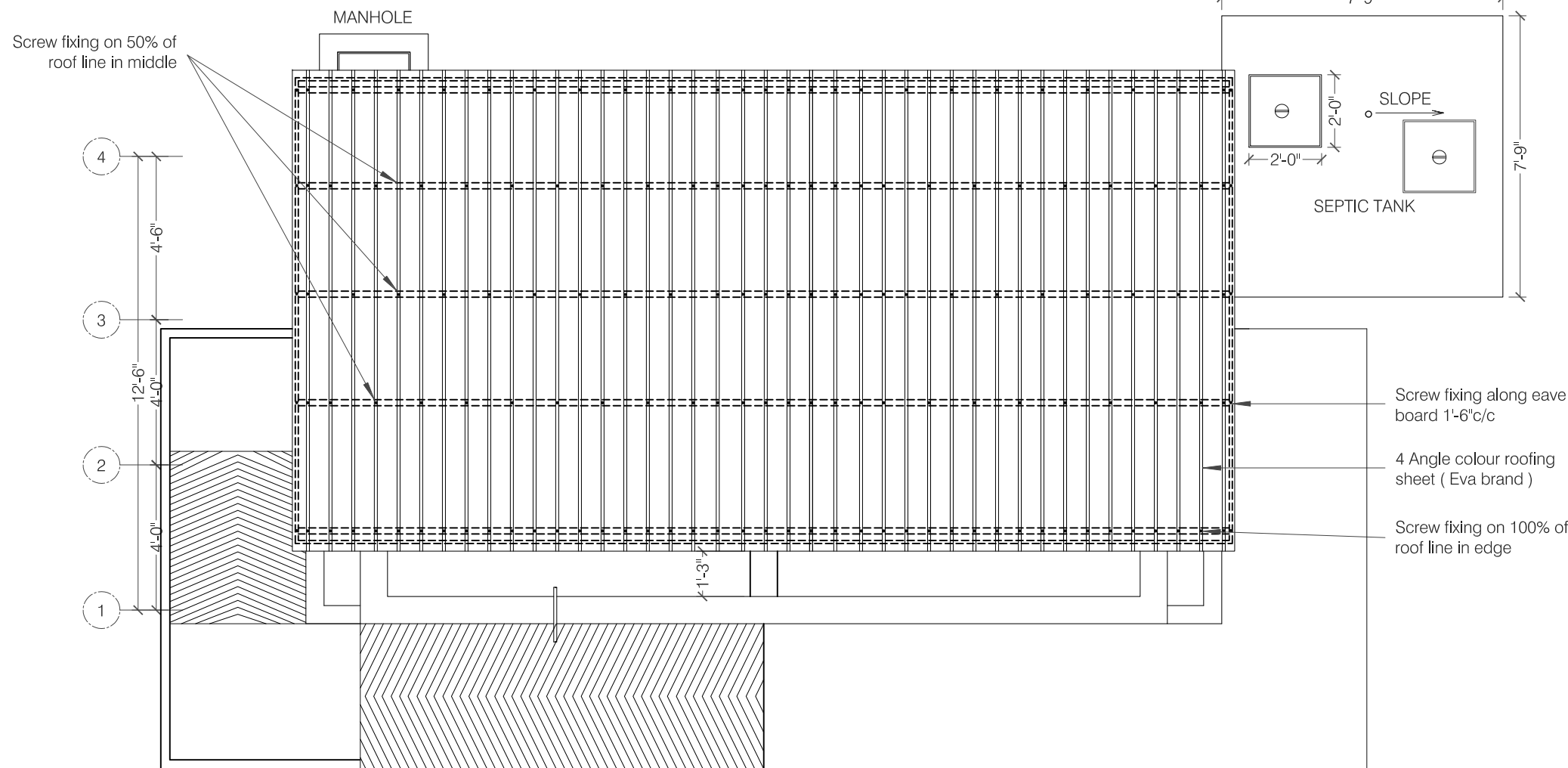
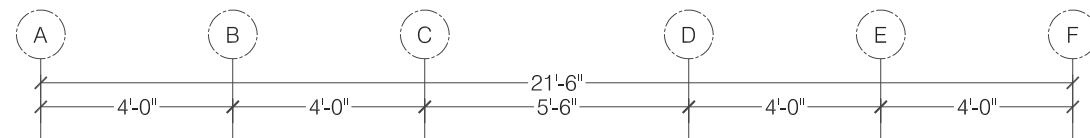
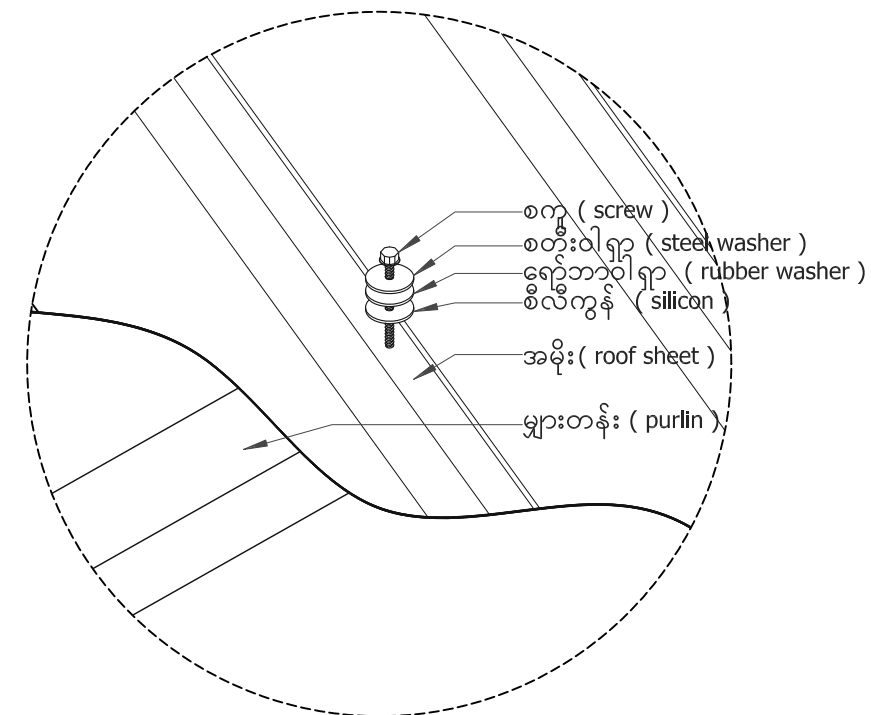
REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/4" = 1' - 0"
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DRAWING TITLE
FLOOR PLAN



1 DOOR & SEPTIC TANK PLAN
405 SCALE: 1/4" = 1' - 0"



REVISION DATES
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CONSTRUCTION DOCUMENT
SCALE
1/4" = 1' - 0"
DATE
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DRAWING TITLE
DOOR & SEPTIC TANK PLAN

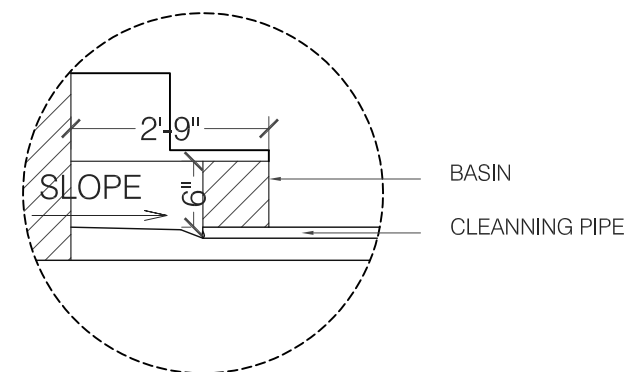
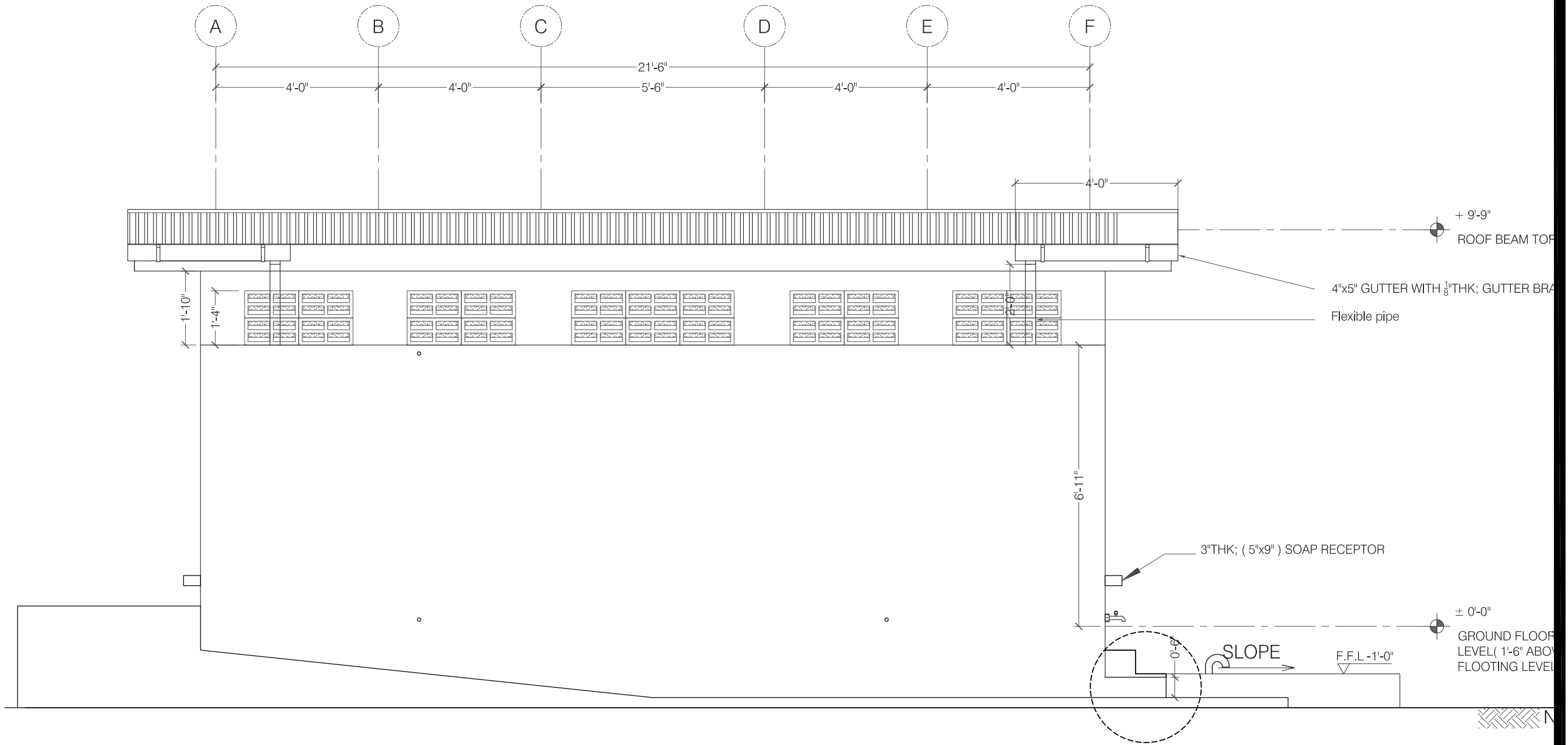


1 ROOF PLAN
 406 SCALE: 1/4" = 1' - 0"

REVISION DATES	
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ISSUE	
CONSTRUCTION DOCUMENT	
SCALE	1/4" = 1' - 0"
DATE	18/8/2014
DRAWING TITLE	
ROOF PLAN	



TOILET 5 UNITS FOR SCHOOL
KAYIN & MON



1
407 ELEVATION-A
SCALE: 3/8" = 1' - 0"

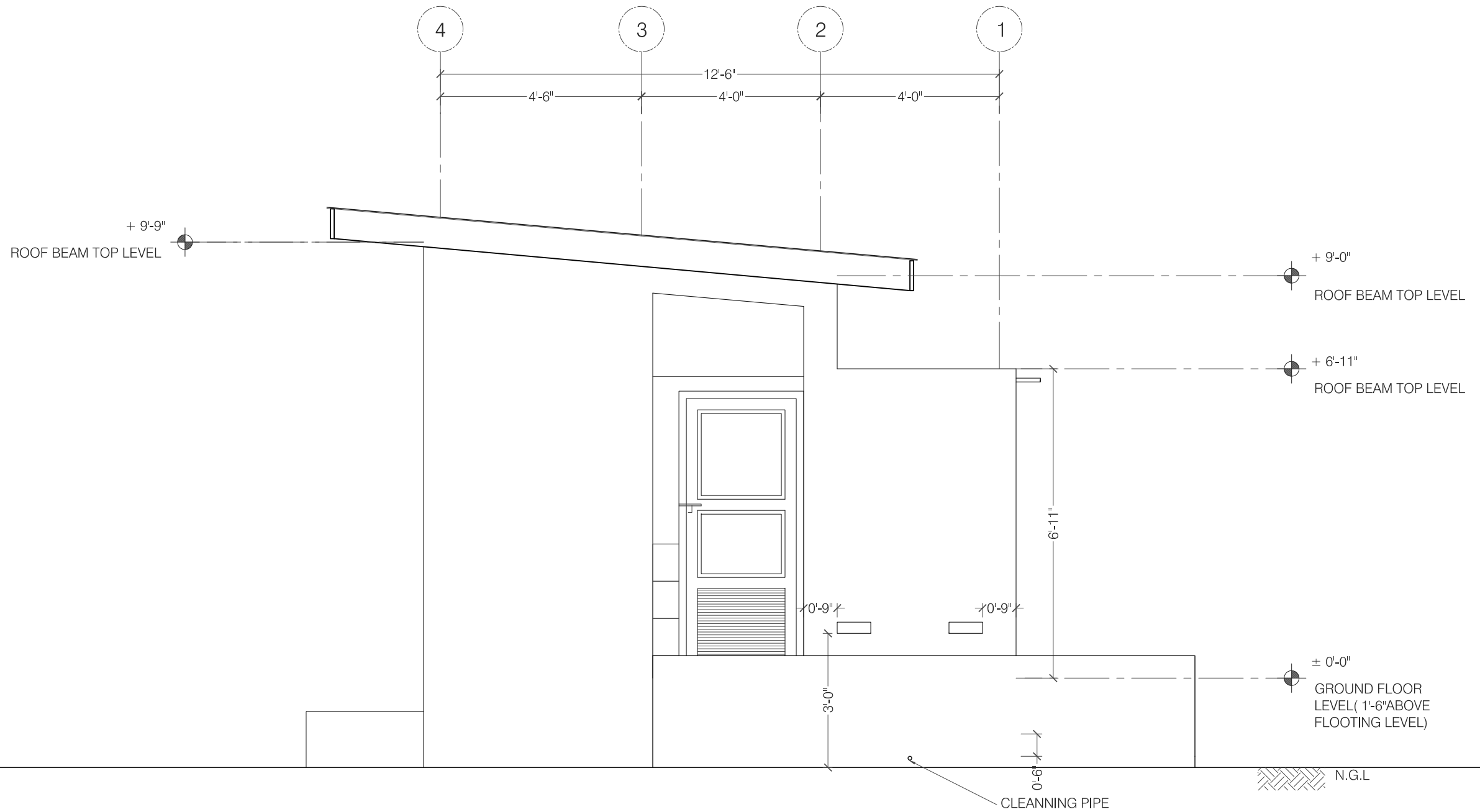
* NOTE- GROUND FLOOR LEVEL (1'-6" ABOVE FLOORING LEVEL)

REVISION DATES
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CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
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DRAWING TITLE
ELEVATION -A



TOILET 5 UNITS FOR SCHOOL

KAYIN & MON



REVISION DATES
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CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
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DRAWING TITLE
ELEVATION - B

1 ELEVATION-B
408 SCALE: 3/8" = 1' - 0"



TOILET 5 UNITS FOR SCHOOL

KAYIN & MON

REVISION DATES

00/00/00

ISSUE

CONSTRUCTION DOCUMENT

SCALE

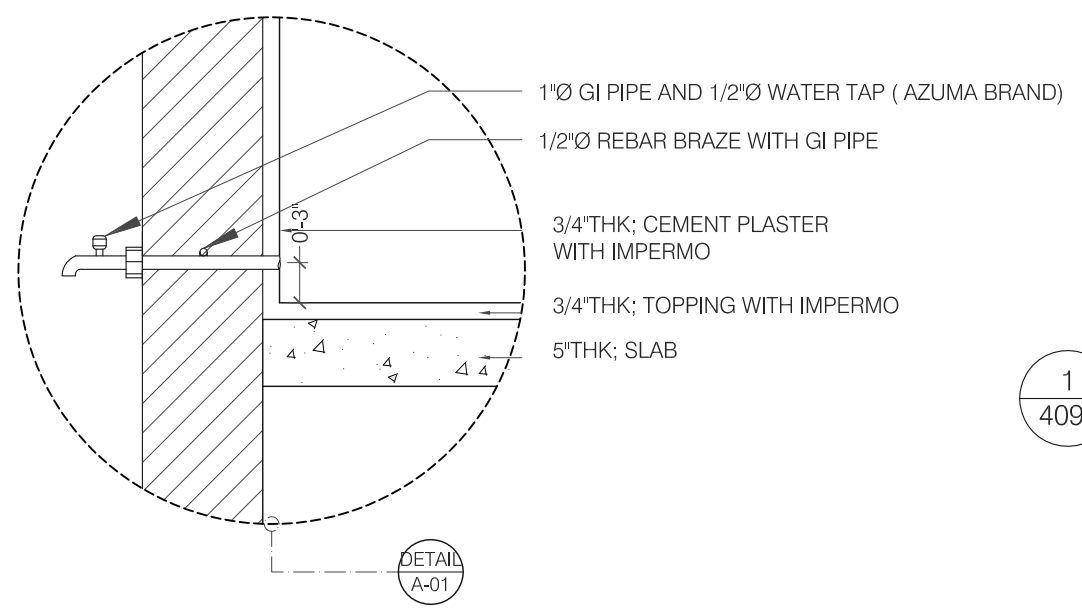
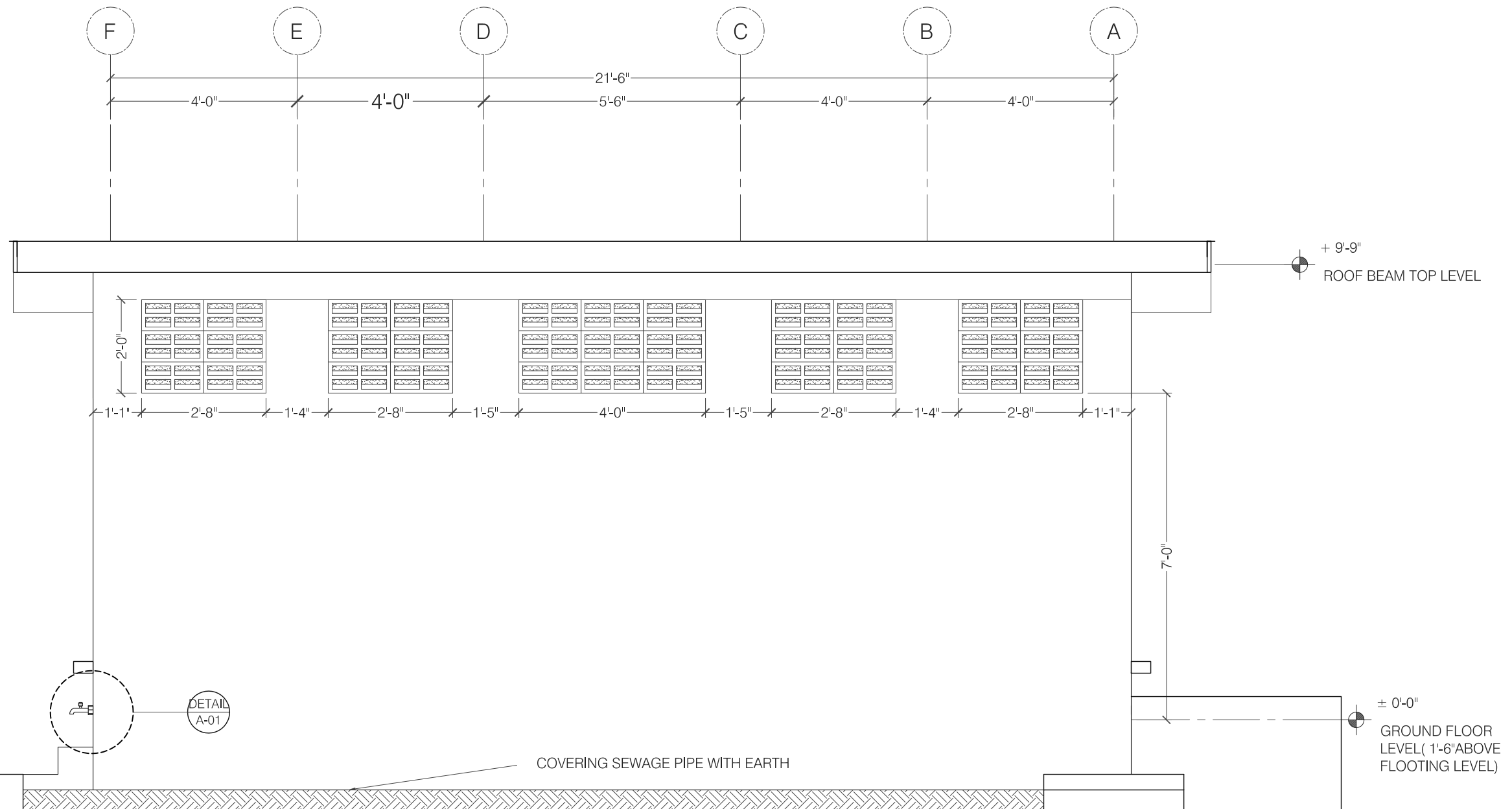
3/8" = 1' - 0"

DATE

18/8/2014

DRAWING TITLE

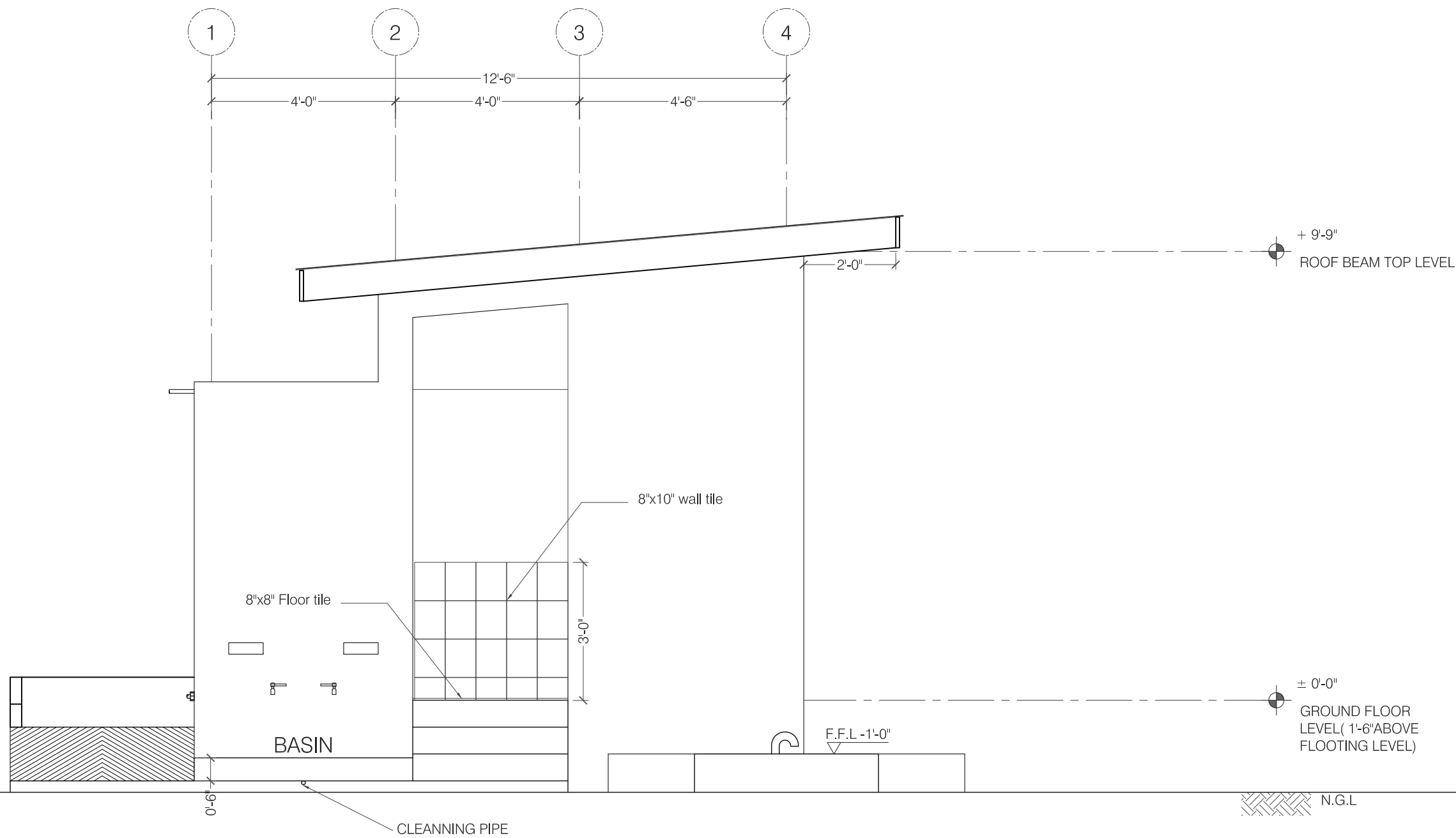
ELEVATION - C



1 ELEVATION-C
409 SCALE: 3/8" = 1' - 0"



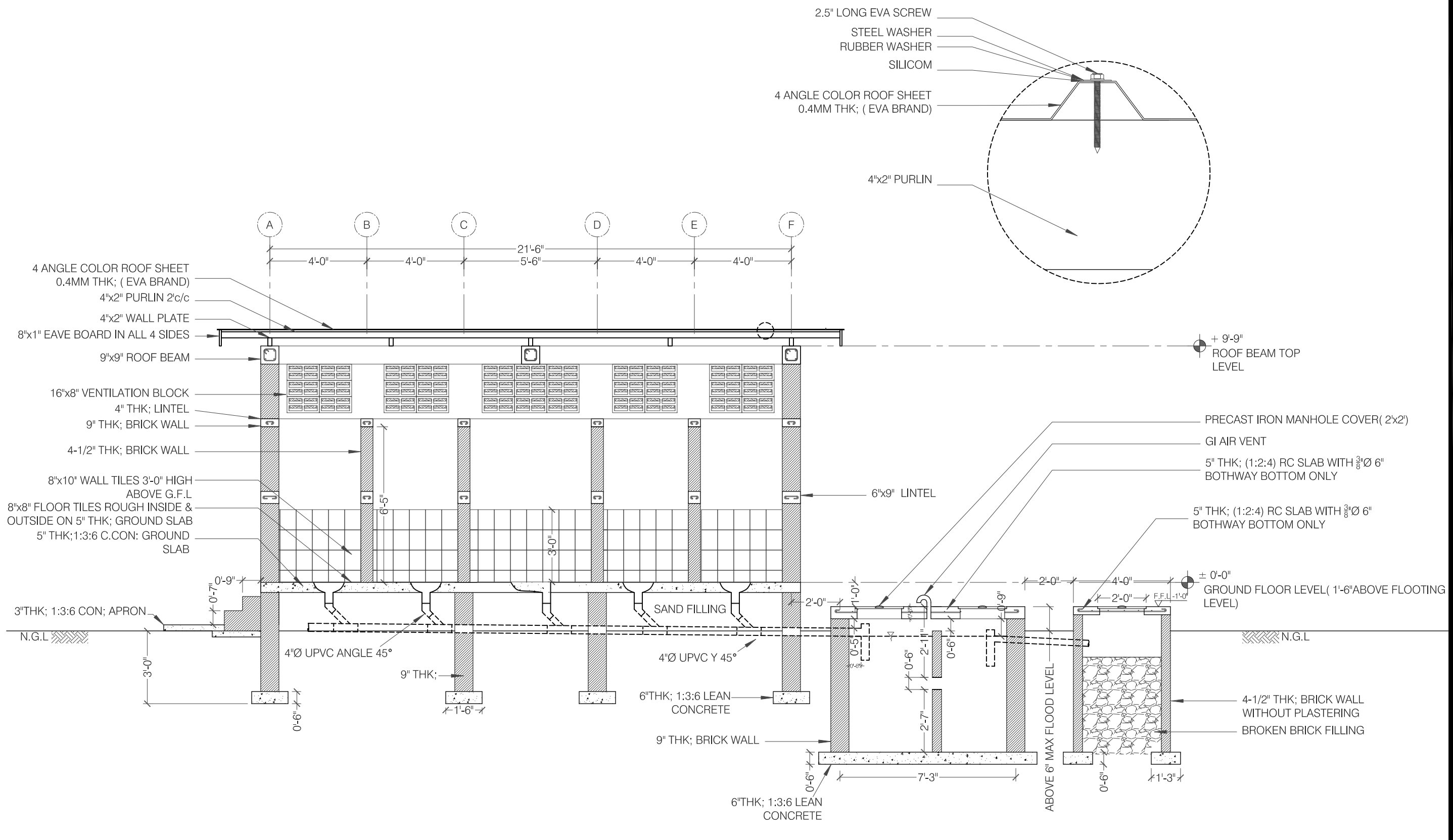
REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
18/8/2014
DRAWING TITLE
ELEVATION - D



1 ELEVATION - D
410 SCALE: 3/8" = 1' - 0"

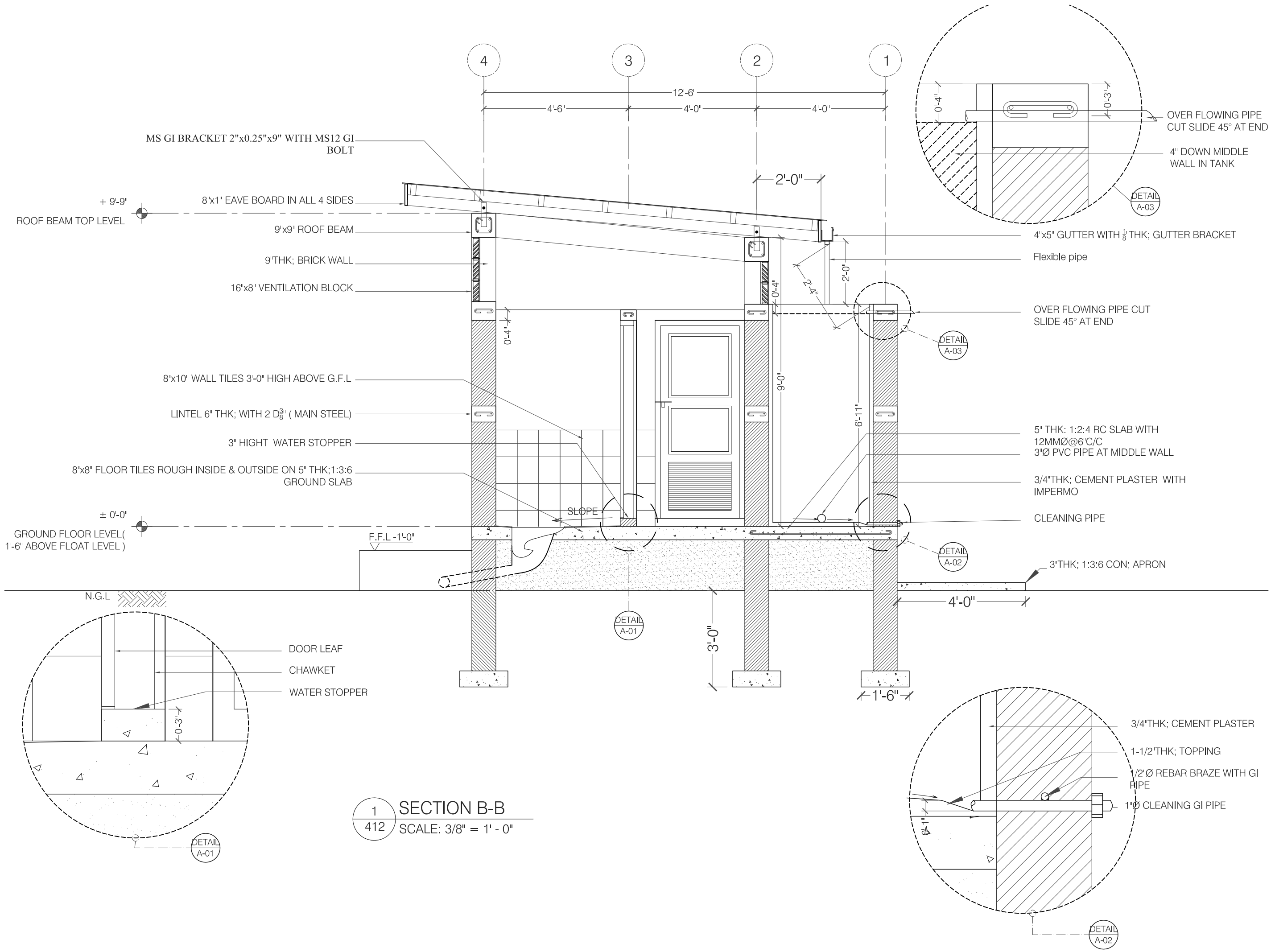


REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/4" = 1' - 0"
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DRAWING TITLE
SECTION A-A



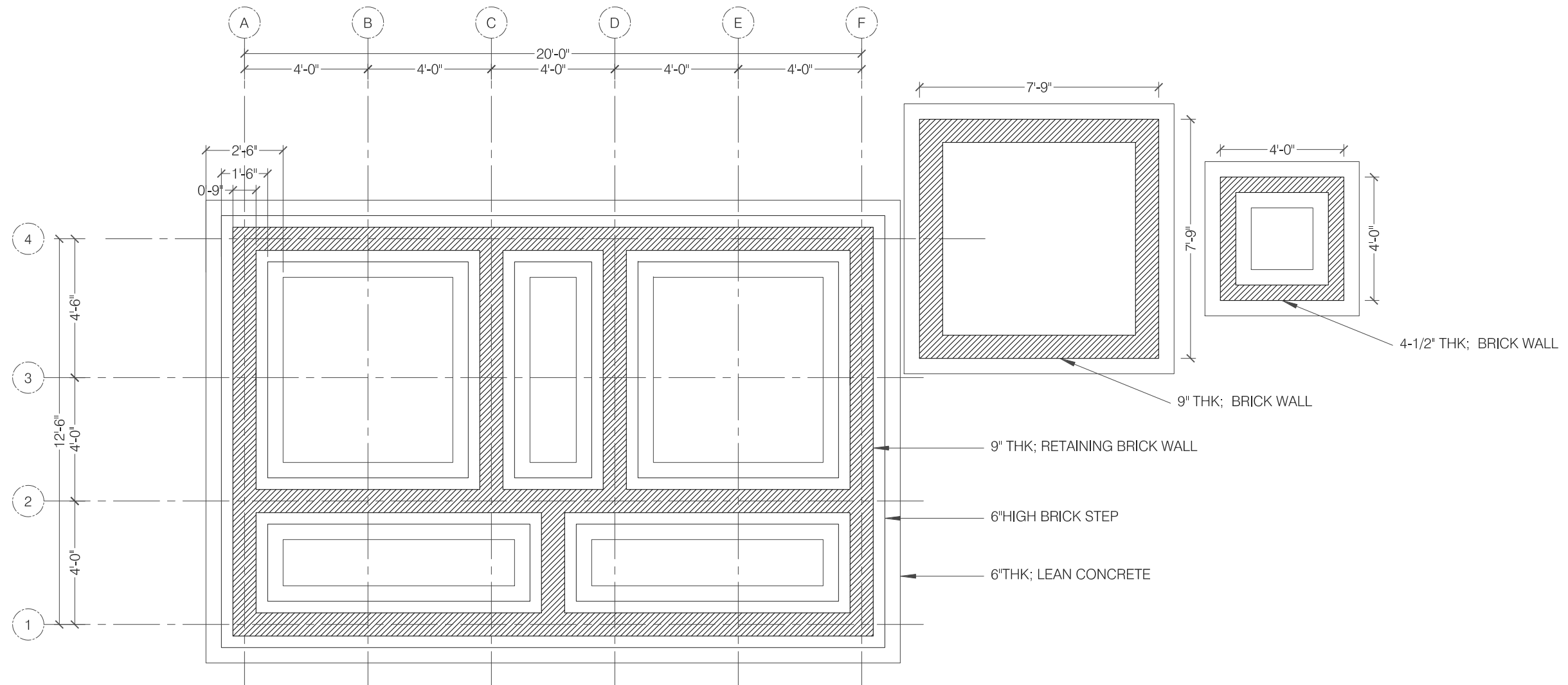
1 SECTION A-A
411 SCALE: 1/4" = 1' - 0"

* NOTE- TOP LEVEL OF SEPTIC TANK & SOAKAWAY MUST 6" ABOVE MAXIMUM HIGH FLOOD LEVEL
GROUND FLOOR LEVEL(1'-6" ABOVE FLOATING LEVEL)



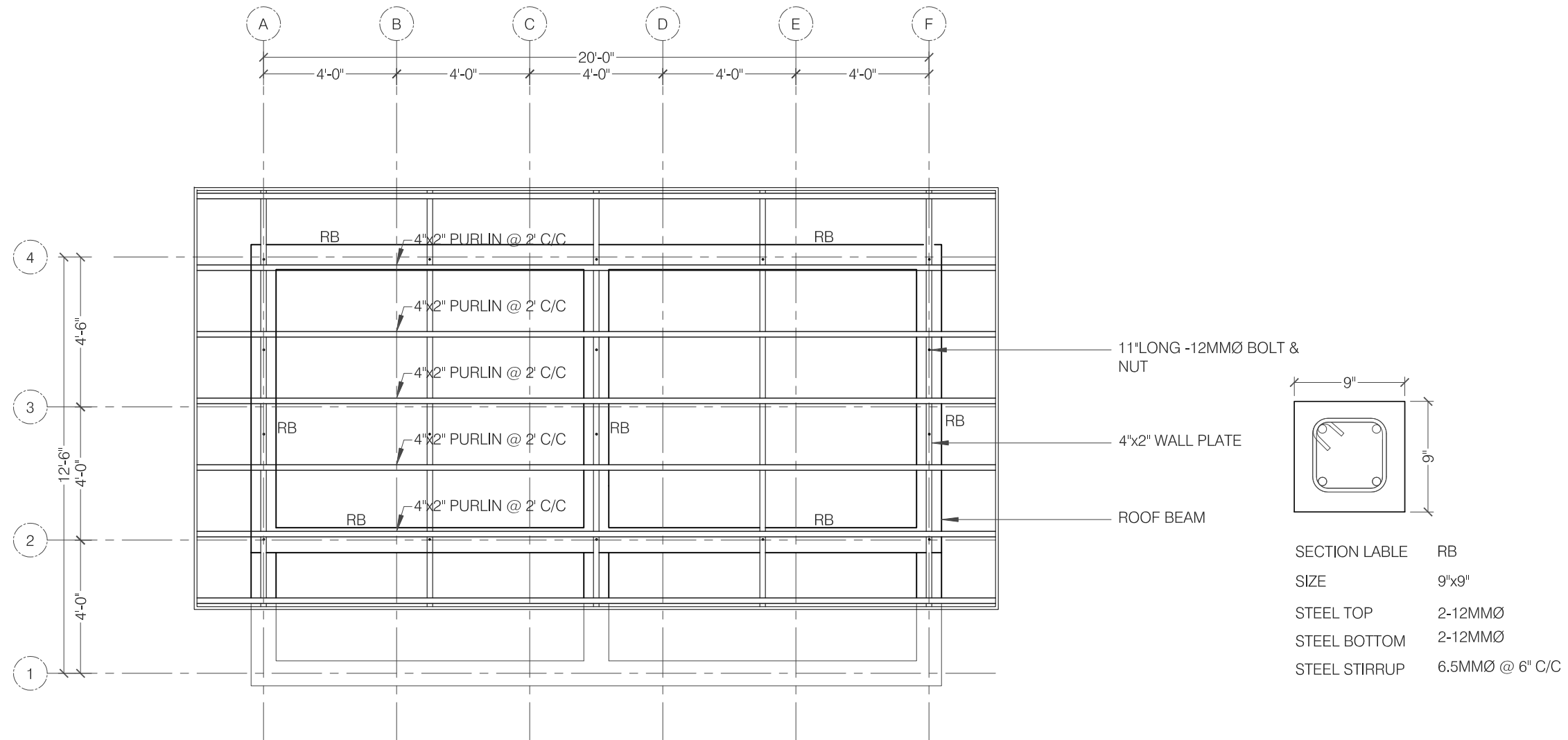
1 SECTION B-B
412 SCALE: 3/8" = 1' - 0"

REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
3/8" = 1' - 0"
DATE
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DRAWING TITLE
SECTION B-B



1 FOUNDATION PLAN
413 SCALE: 1/4" = 1' - 0"

REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/4" = 1' - 0"
DATE
18/8/2014
DRAWING TITLE
FOUNDATION PLAN

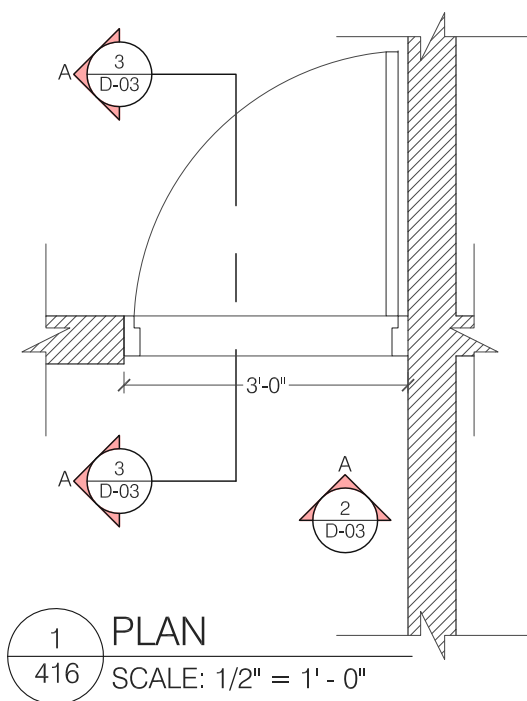


SECTION LABEL	RB
SIZE	9"x9"
STEEL TOP	2-12MMØ
STEEL BOTTOM	2-12MMØ
STEEL STIRRUP	6.5MMØ @ 6" C/C

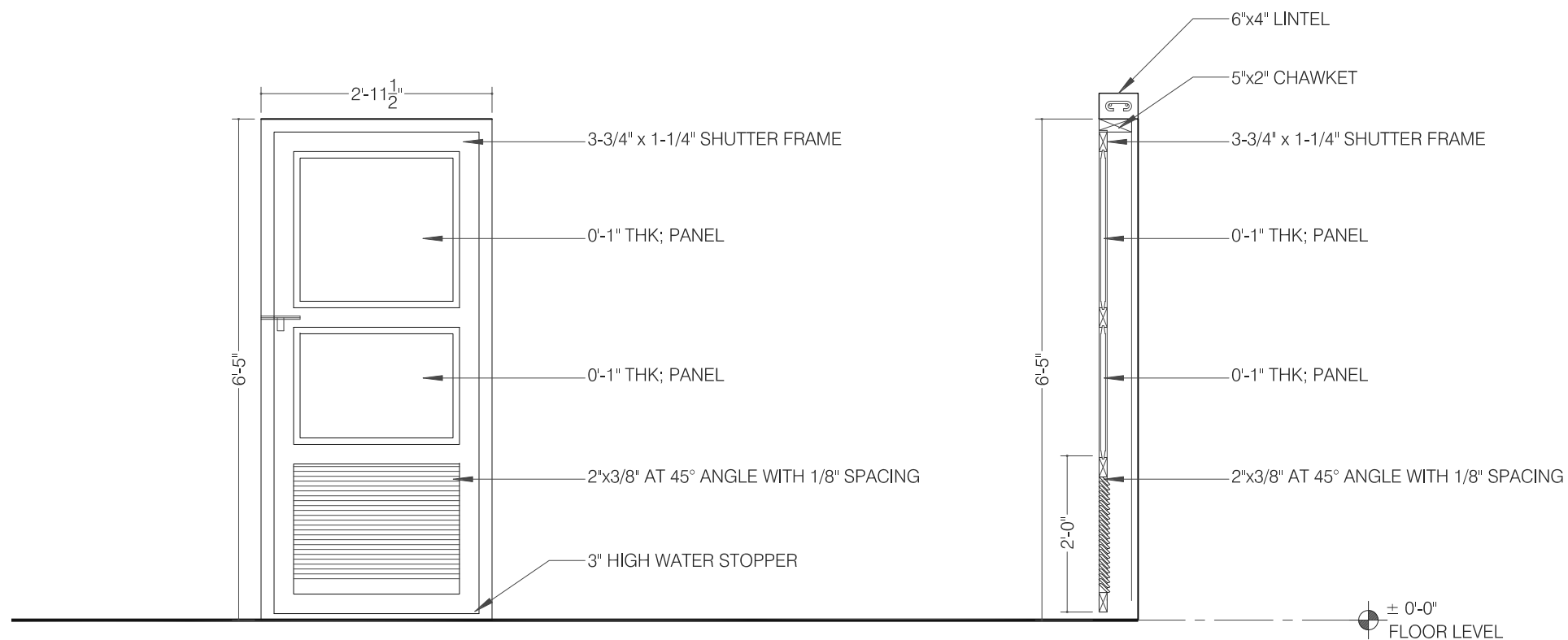
1 ROOF BEAM & PURLIN PLAN
414 SCALE: 1/4" = 1' - 0"

REVISION DATES
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ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/4" = 1' - 0"
DATE
18/8/2014
DRAWING TITLE

ROOF BEAM & PURLIN PLAN



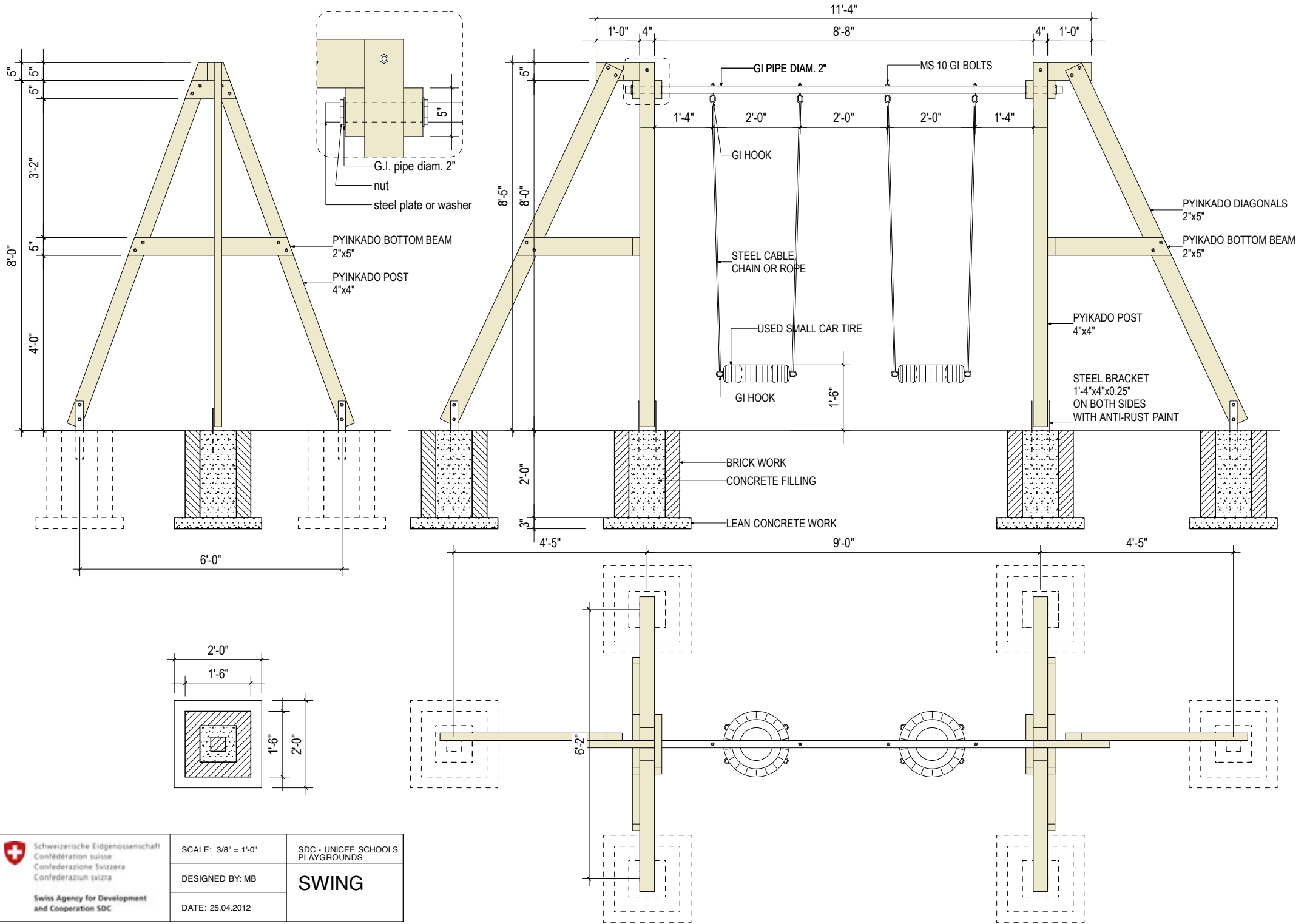
1 PLAN
416 SCALE: 1/2" = 1' - 0"

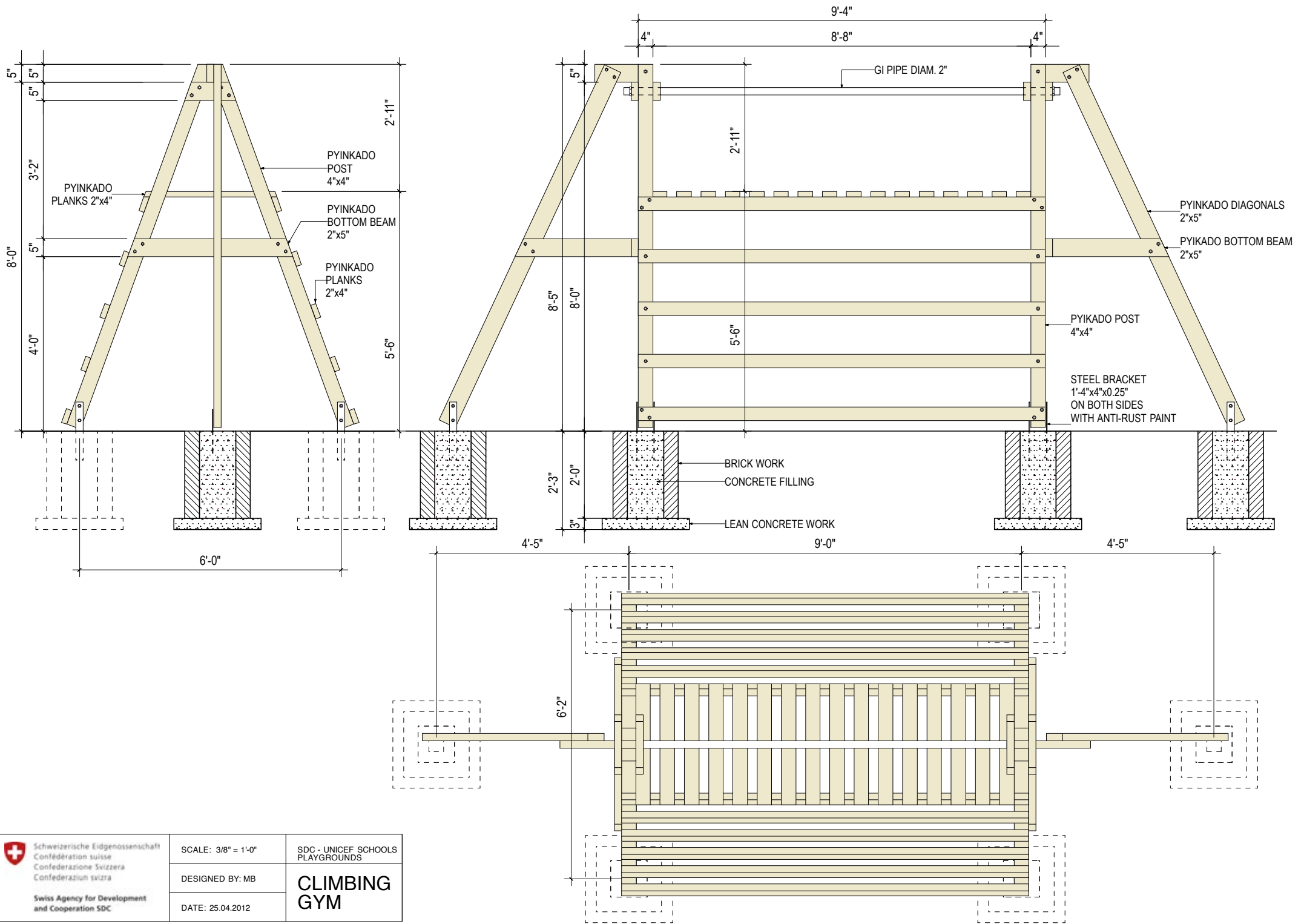


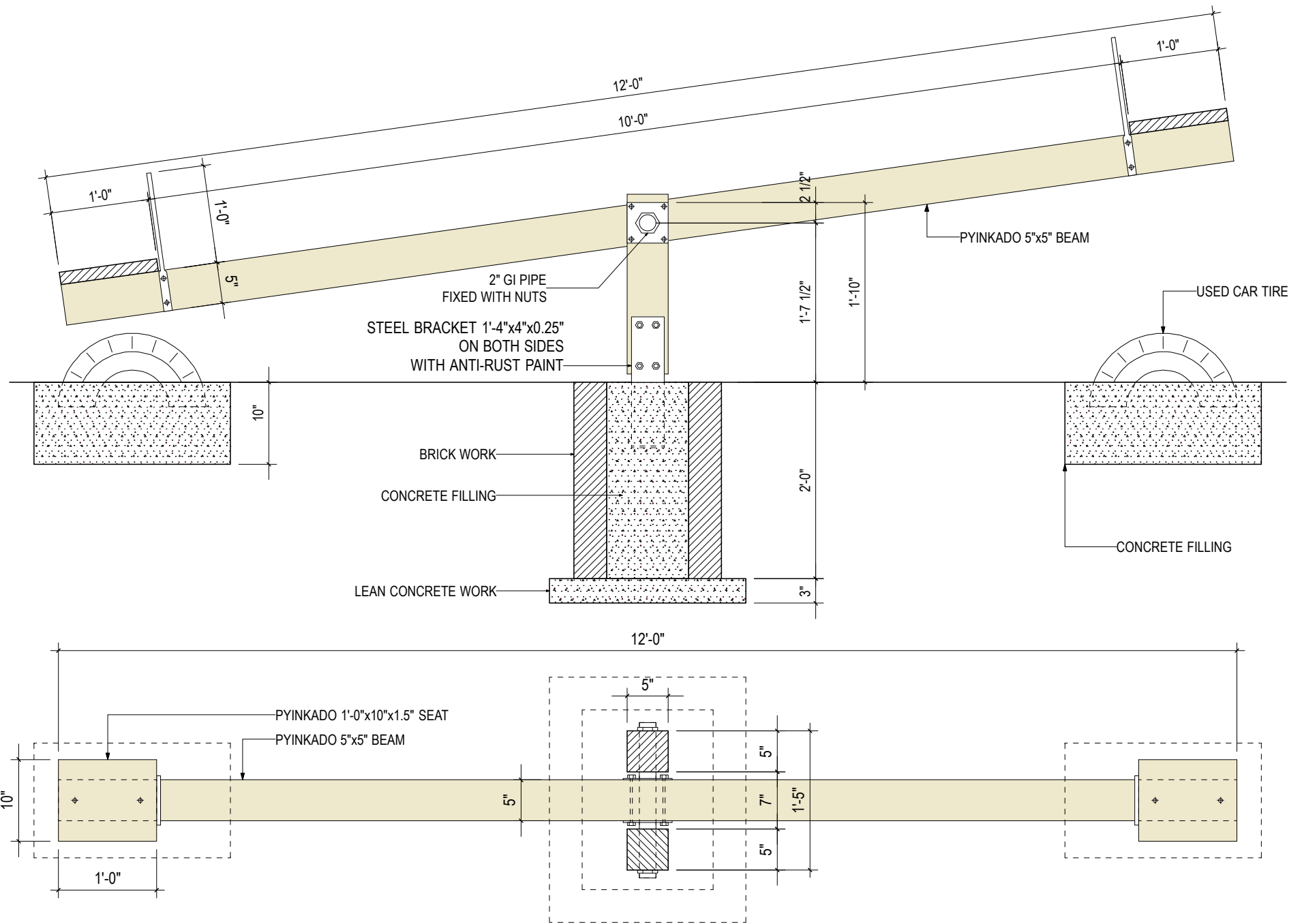
2 ELEVATION -A
416 SCALE: 1/2" = 1' - 0"

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

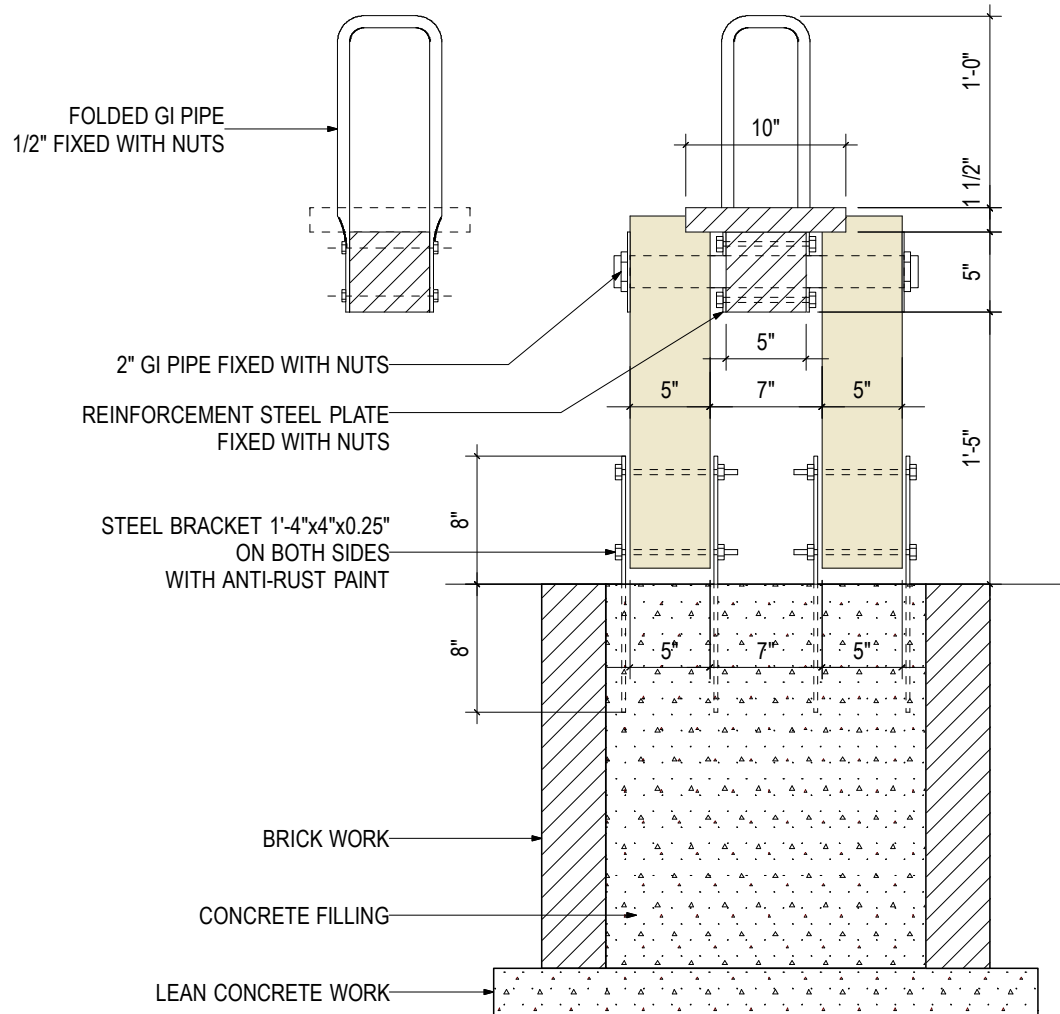
REVISION DATES
00/00/00
ISSUE
CONSTRUCTION DOCUMENT
SCALE
1/4" = 1' - 0"
DATE
18/8/2014
DRAWING TITLE
DOOR DETAIL








	SCALE: 1/2" = 1'-0"	SDC - UNICEF SCHOOLS PLAYGROUNDS
	DESIGNED BY: MB	SEE SAW 1/2
	DATE: 25.04.2012	



 Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra Swiss Agency for Development and Cooperation SDC	SCALE: 1/2" = 1'-0"	SDC - UNICEF SCHOOLS PLAYGROUNDS
	DESIGNED BY: MB	SEE SAW 2/2
	DATE: 25.04.2012	