

# RED RIBBON PORCH DESIGN

1256 FRANKLIN AVENUE , PITTSBURGH PA 15221

PITTSBURGH , PENNSYLVANIA  
CARNEGIE MELLON UNIVERSITY  
DESIGN BUILD STUDIO  
DATE: DECEMBER 10 2019

# RED RIBBON PORCH

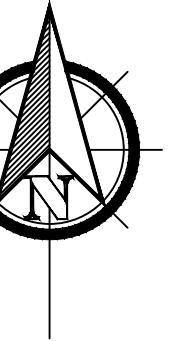
G1.00  
GENERAL INFORMATION

9  
DECEMBER  
2019  
CONSTRUCTION  
DRAWING:

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
201 COLLEGE OF FINE ARTS  
PITTSBURGH PA 15213



SITE LOCATION



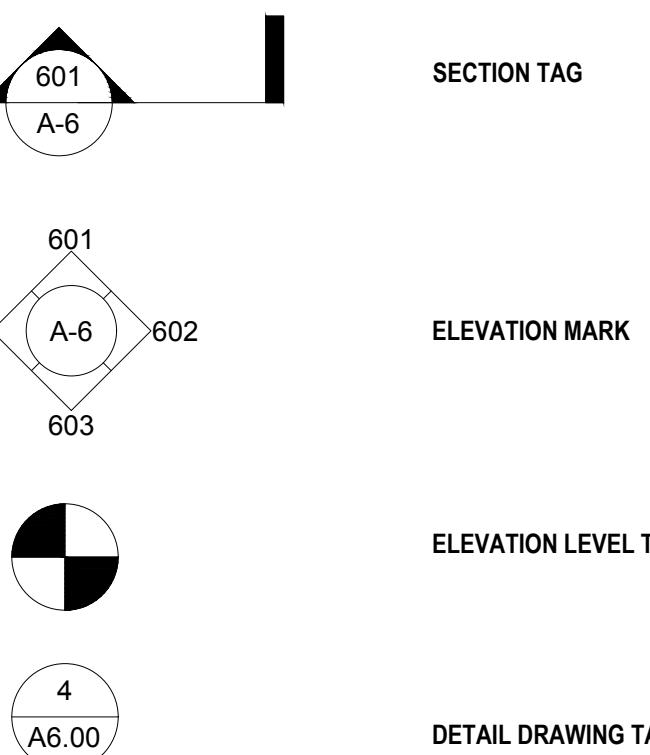
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**KEY NOTES:**

- Finishes**
  - 1. 2" diameter aluminum handrail
  - 2. 16 gauge 3x7" hollow metal door frame
  - 3. 3x7x1 1/4" hollow metal door
- Floor**
  - 4. 1 3/4" x 11 1/4" LVL, floor structure
  - 5. 2x12 nominal framing lumber, floor joists
  - 6. 2x6 nominal framing lumber, parallelogram studs between LVL to hold up the floor joists
  - 7. 1x6 nominal, gray trex composite decking
  - 8. Trex fasteners
  - 9. Routing eyebolts
  - 10. Cargo netting
- Railing**
  - 11. 2x4 nominal framing lumber, railing studs
  - 12. 1/2" plywood, enclosure
  - 13. PPG 1187-7 Red Gumball paint, enclosure
- Roof**
  - 14. 1 3/4" x 11 1/4" LVL, roof structure
  - 15. 16 mm THICK Polycarbonate
  - 16. 4" gutter
- Structure**
  - 17. 2 1/2" nominal diameter, extra strong steel pipe column
  - 18. Fabricated steel plates welded to the steel pipe, LVL structural support
  - 19. Cripal
  - 20. Re-Bar
  - 21. Cast in place concrete
  - 22. L-SHAPED Simpson ties for LVL's
  - 23. Metal Stringer Mounting bracket

**SYMBOLS:**



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**KEY NOTES:**

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 2. 16 gauge 3x7" hollow metal door frame  
 3. 3x7x1 1/4" hollow metal door

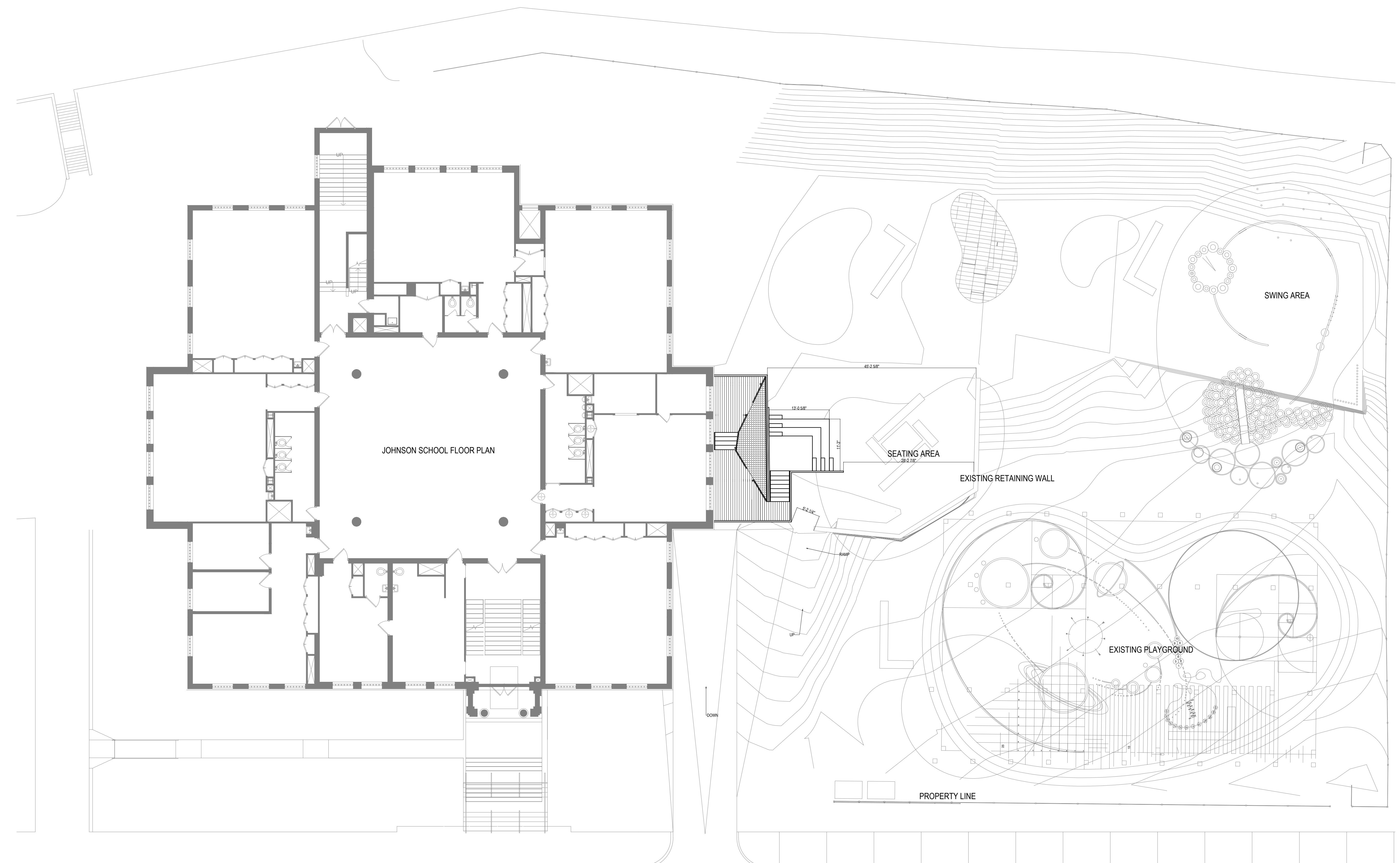
**Floor**  
 4. 1 3/4" x 11 1/4" LVL, floor structure  
 5. 2x12 nominal framing lumber, floor joists  
 6. 2x6 nominal framing lumber, parallelogram studs between LVL to hold up the floor joists  
 7. 1x6 nominal, gray trex composite decking  
 8. Trex fasteners  
 9. Routing eyebolts  
 10. Cargo netting

**Railing**  
 11. 2x4 nominal framing lumber, railing studs  
 12. 1/4" plywood, enclosure  
 13. PPG 1187-7 Red Gumball paint, enclosure

**Roof**  
 14. 1 3/4" x 11 1/4" LVL, roof structure  
 15. 16 mm THICK Polycarbonate  
 16. 4" gutter

**Structure**  
 17. 2 1/2" nominal diameter, extra strong steel pipe column  
 18. Fabricated steel plates welded to the steel pipe, LVL structural support  
 19. Gravel  
 20. Re-Bar  
 21. Cast in place concrete  
 22. L-SHAPED Simpson ties for LVL's  
 23. Metal Stringer Mounting bracket

# HAZEL WAY



**1 SITE PLAN**  
SCALE: 3/32" = 1'-0"

FRANKLIN AVE

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9  
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2019  
CONSTRUCTION  
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1256 FRANKLIN AVE  
PITTSBURGH PA 15221

**RED RIBBON PORCH**

G2.00  
SITE PLAN

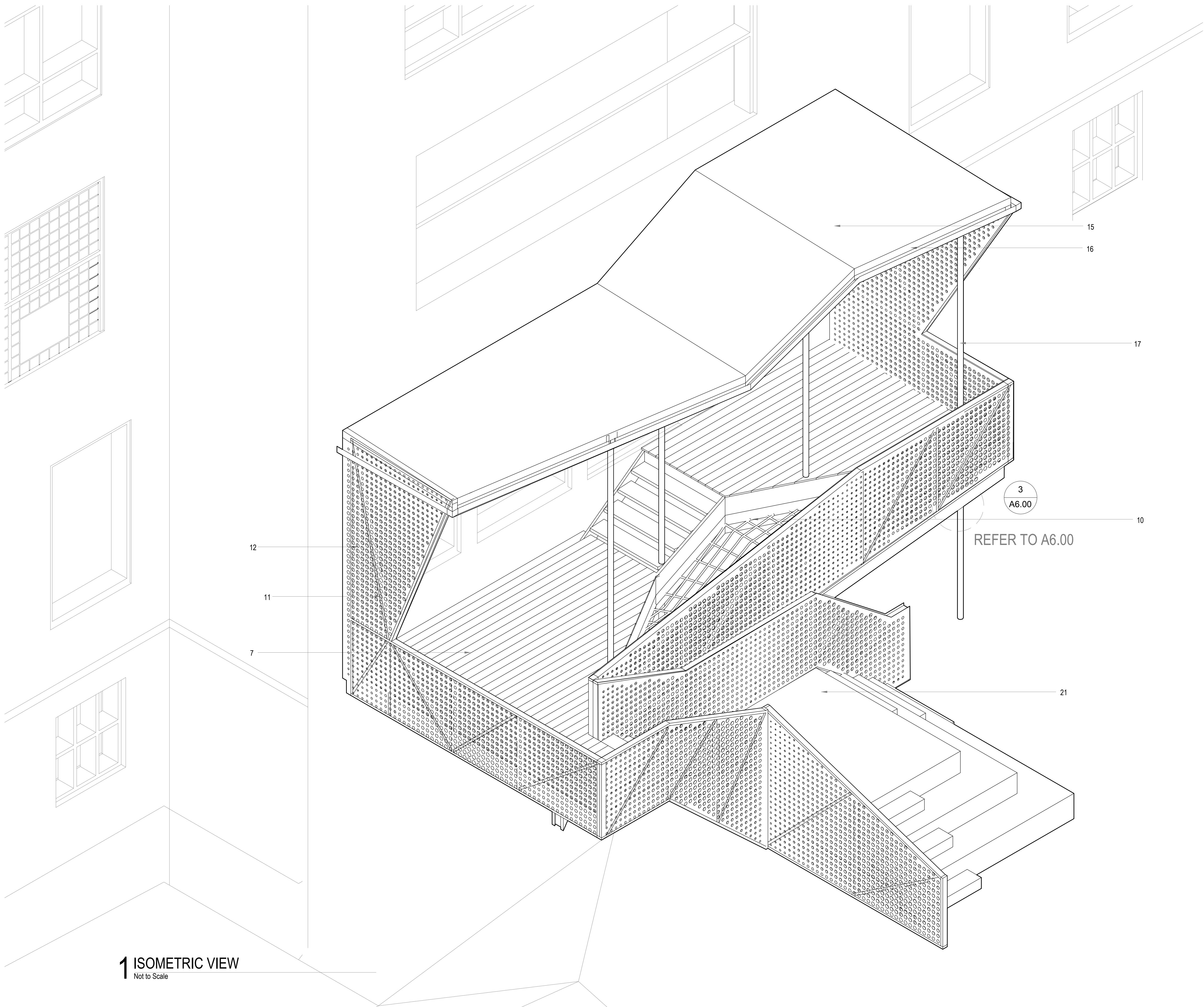
04 OF 19

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
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PITTSBURGH PA 15213

# RED RIBBON PORCH

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ISOMETRIC VIEW

05 OF 19



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5000 FORBES AVENUE  
PITTSBURGH PA 15213

**RED RIBBON PORCH**  
1256 FRANKLIN AVE  
PITTSBURGH PA 15222

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## FLOOR PLANS

06 OF 19

9  
DECEMBER  
0 1 9  
CONSTRUCTION  
DRAWING:

DESIGN BUILDS STUDIO  
CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
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PITTSBURGH PA 15213

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#### **NOTES:**

**es**  
diameter aluminum handrail  
gauge 3'x7' hollow metal door frame  
7'x1 3/8" hollow metal door

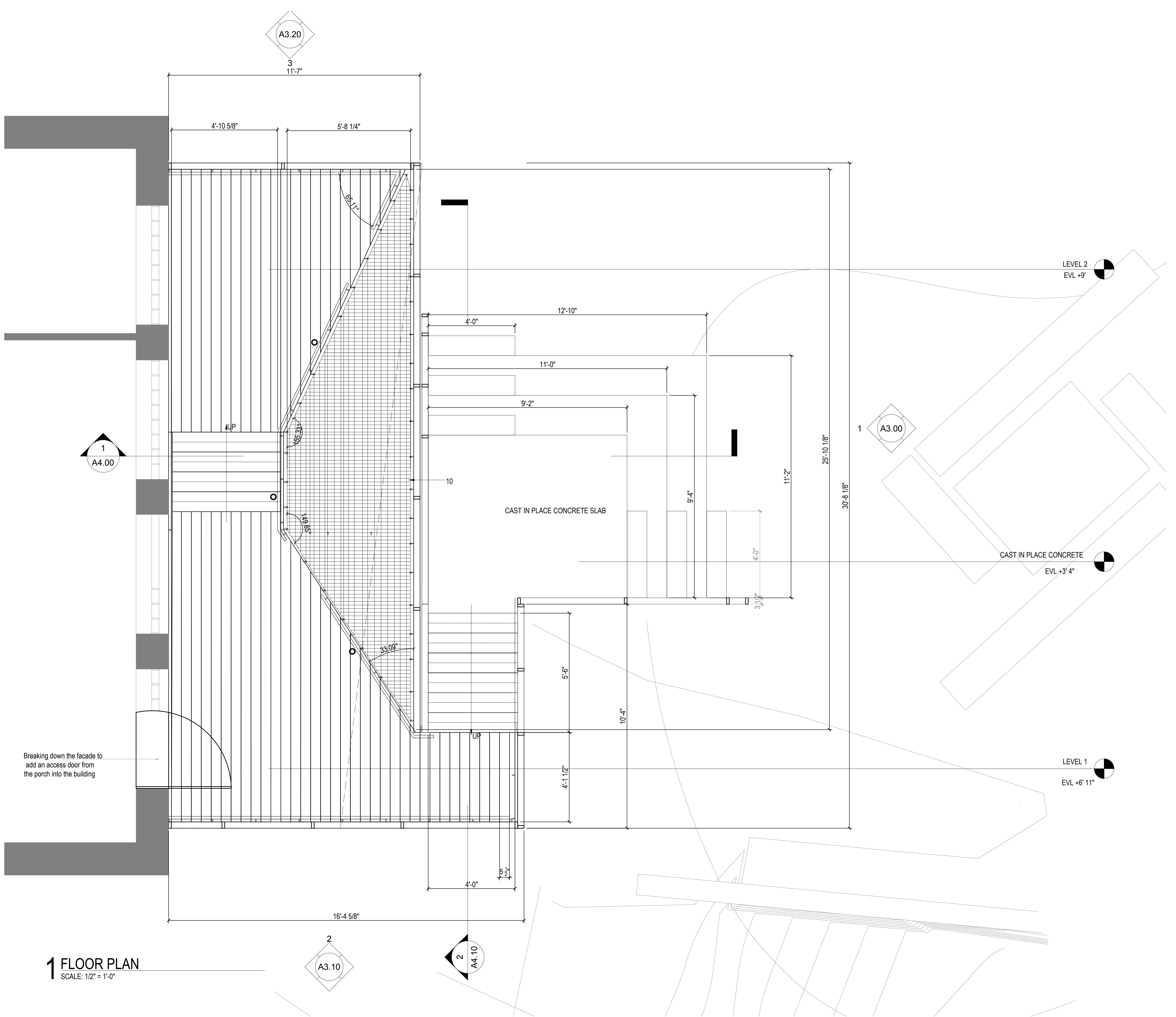
1/4" x 11 7/8" LVL, floor structure  
2 nominal framing lumber, floor joists  
nominal framing lumber, parallelogram studs between LVL to hold up the floor joists  
nominal, gray trex composite decking  
x fasteners  
x eyebolts  
cargo netting

g  
4 nominal framing lumber, railing studs  
plywood, enclosure  
PG 1187-7 Red Gumball paint, enclosure

3/4" x 11 7/8" LVL, roof structure  
mm THICK Polycarbonate  
gutter

## ture

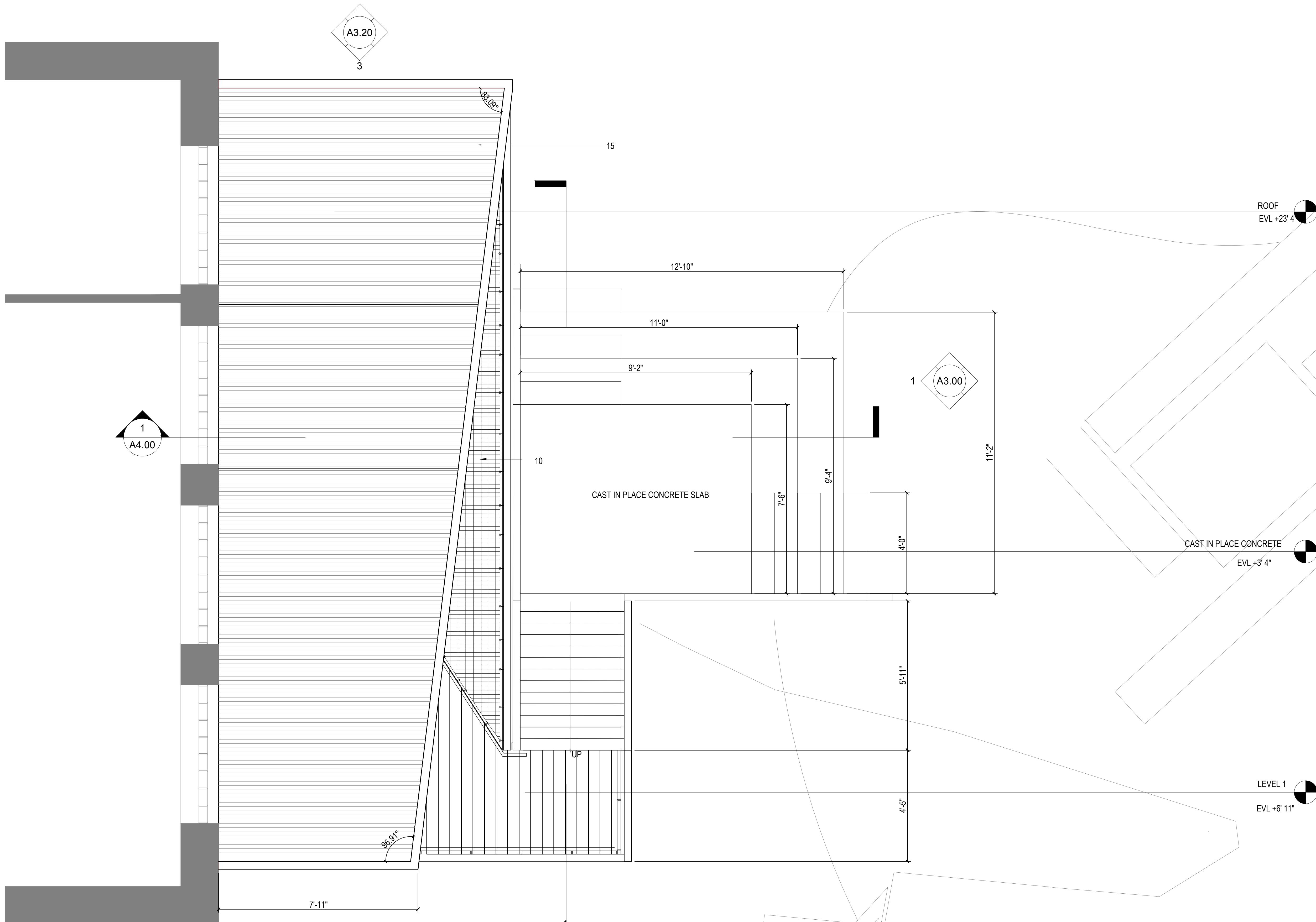
ture  
½" nominal diameter, extra strong steel pipe column  
bricated steel plates welded to the steel pipe, LVL structural support  
avel  
e-Bar  
ast in place concrete  
SHAPED Simpson ties for LVL'S  
etal Stringer Mounting bracket



# **1 ROOF PLAN**

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

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



## 1 ROOF PLAN

2  
A3.10

A4.10  
2

A1.10  
ROOF PLAN

A1.10

07 OF

9  
DECEMBER  
0 1 9  
CONSTRUCTION  
RAWING:

1256 FRANKLIN AVE  
DETROIT MI 48226

# RED RIBBON PORCH

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#### **KEY NOTES:**

- Finishes
  - 2" diameter aluminum handrail
  - 16 gauge 3'x7' hollow metal door frame
  - 3'x7'x1  $\frac{3}{4}$ " hollow metal door

- . door
- . 1 3/4" x 11 1/8" LVL, floor structure
- . 2x12 nominal framing lumber, floor joists
- . 2x6 nominal framing lumber, parallelogram studs between LVL to hold
- . 1x6 nominal, gray trex composite decking
- . Trex fasteners
- . Routing eyebolts
- O. Cargo netting

**ailing**

1. 2x4 nominal framing lumber, railing studs
2. ½" plywood, enclosure
3. PPG 1187-7 Red Gumball paint, enclosure

- oof
- 4. 1 3/4" x 11 7/8" LVL, roof structure
- 5. 16 mm THICK Polycarbonate
- 6. 4" gutter

**Structure**

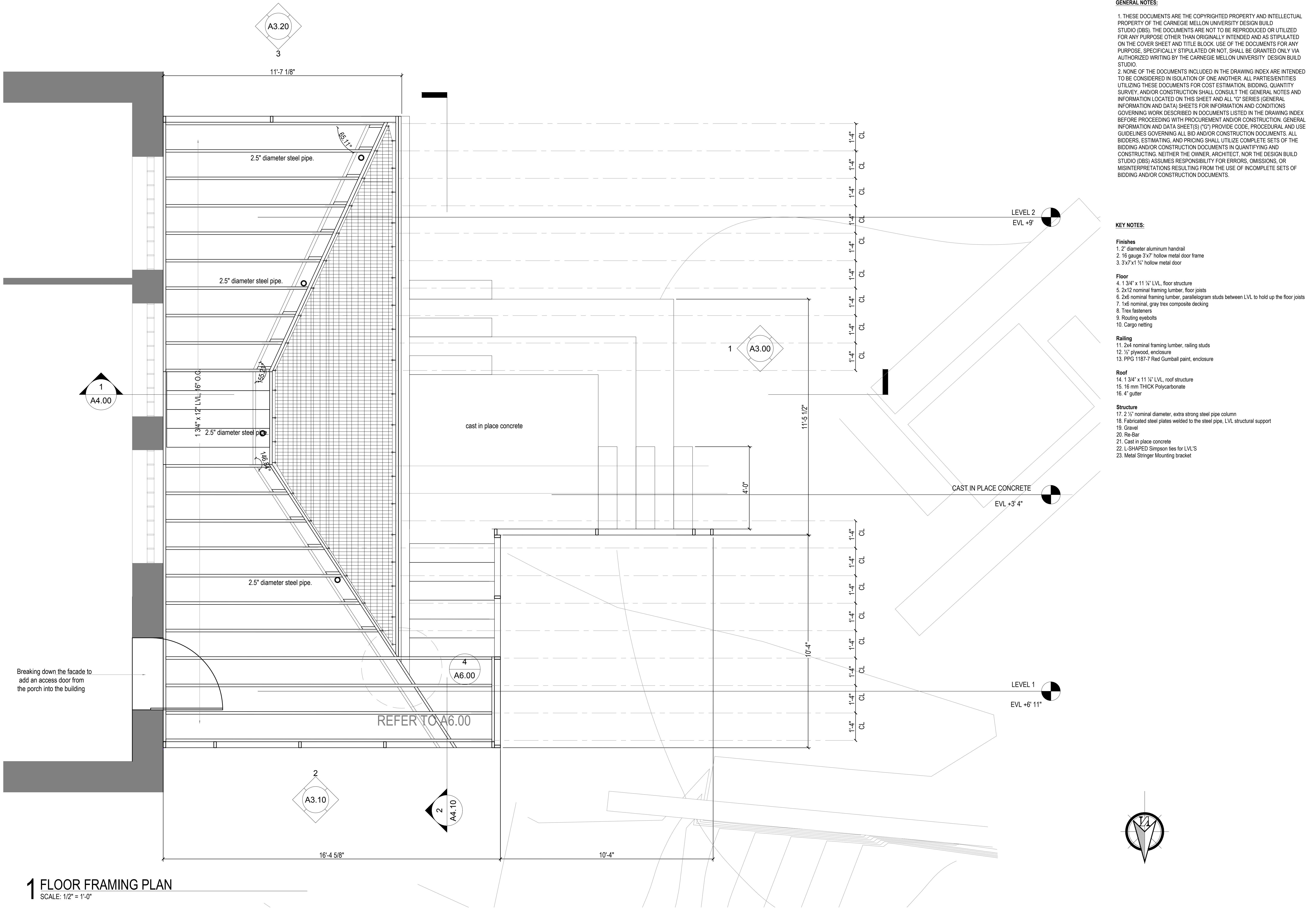
- 7. 2 ½" nominal diameter, extra strong steel pipe column
- 8. Fabricated steel plates welded to the steel pipe, LVL structural support
- 9. Gravel
- 10. Re-Bar
  - 1. Cast in place concrete
  - 2. L-SHAPED Simpson ties for LVL'S
  - 3. Metal Stringer Mounting bracket

# RED RIBBON PORCH

9  
DECEMBER  
2019  
CONSTRUCTION  
DRAWING:

A2.00  
FRAMING PLAN

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
500 FORBES AVENUE  
201 COLLEGE OF FINE ARTS  
PITTSBURGH PA 15213



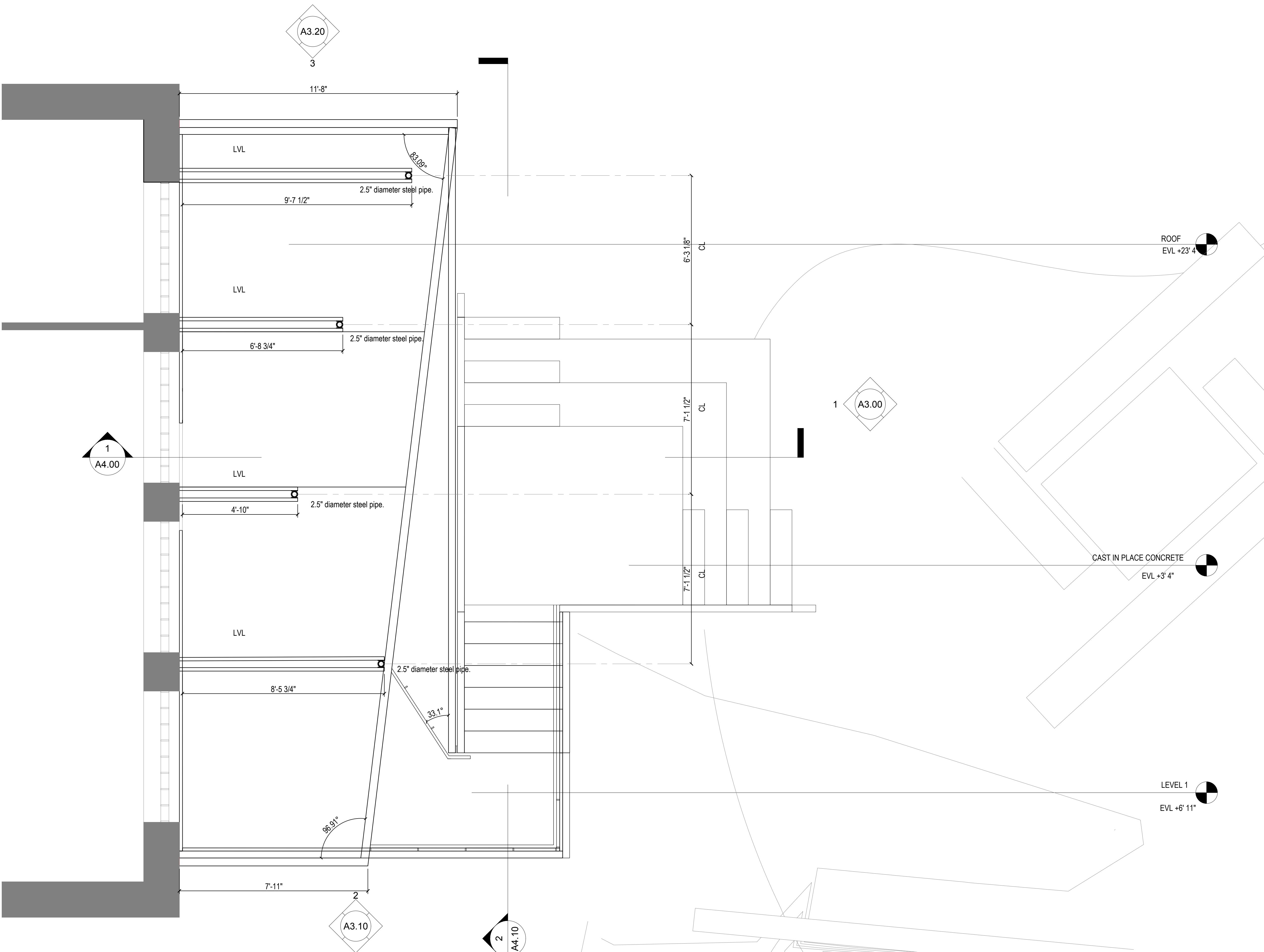
# RED RIBBON PORCH

1256 FRANKLIN AVE  
PITTSBURGH PA 15221

DESIGN BUILD STUDIO  
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5000 FORBES AVENUE  
201 COLLEGE OF FINE ARTS  
PITTSBURGH PA 15213

A2.10  
FRAMING PLAN

09 OF 19



**1 ROOF FRAMING PLAN**

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

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2019  
CONSTRUCTION  
DRAWING:

**KEY NOTES:**

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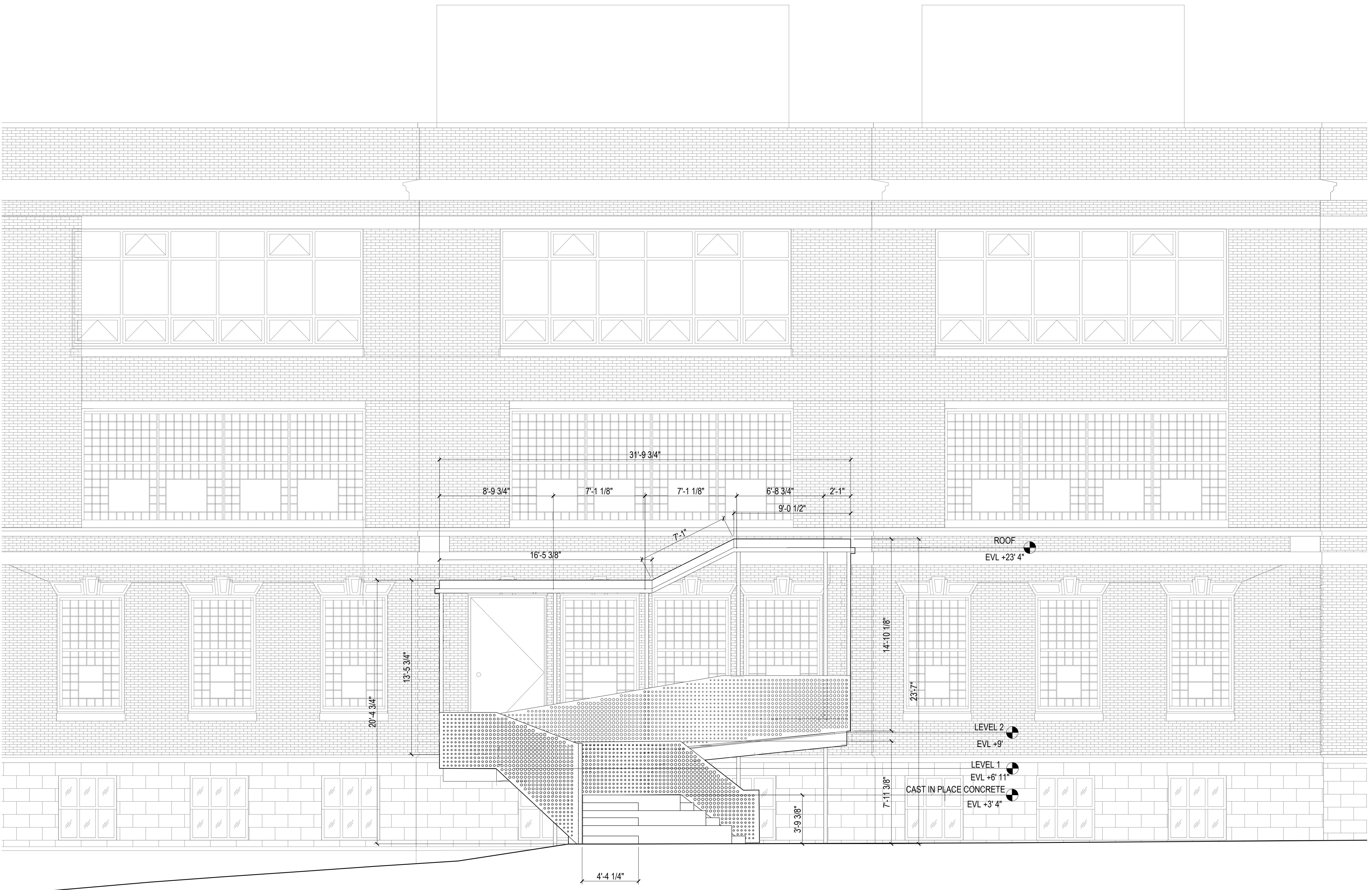
# RED RIBBON PORCH

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ELEVATIONS

9  
DECEMBER  
2 0 1 9  
CONSTRUCTION  
DRAWING :

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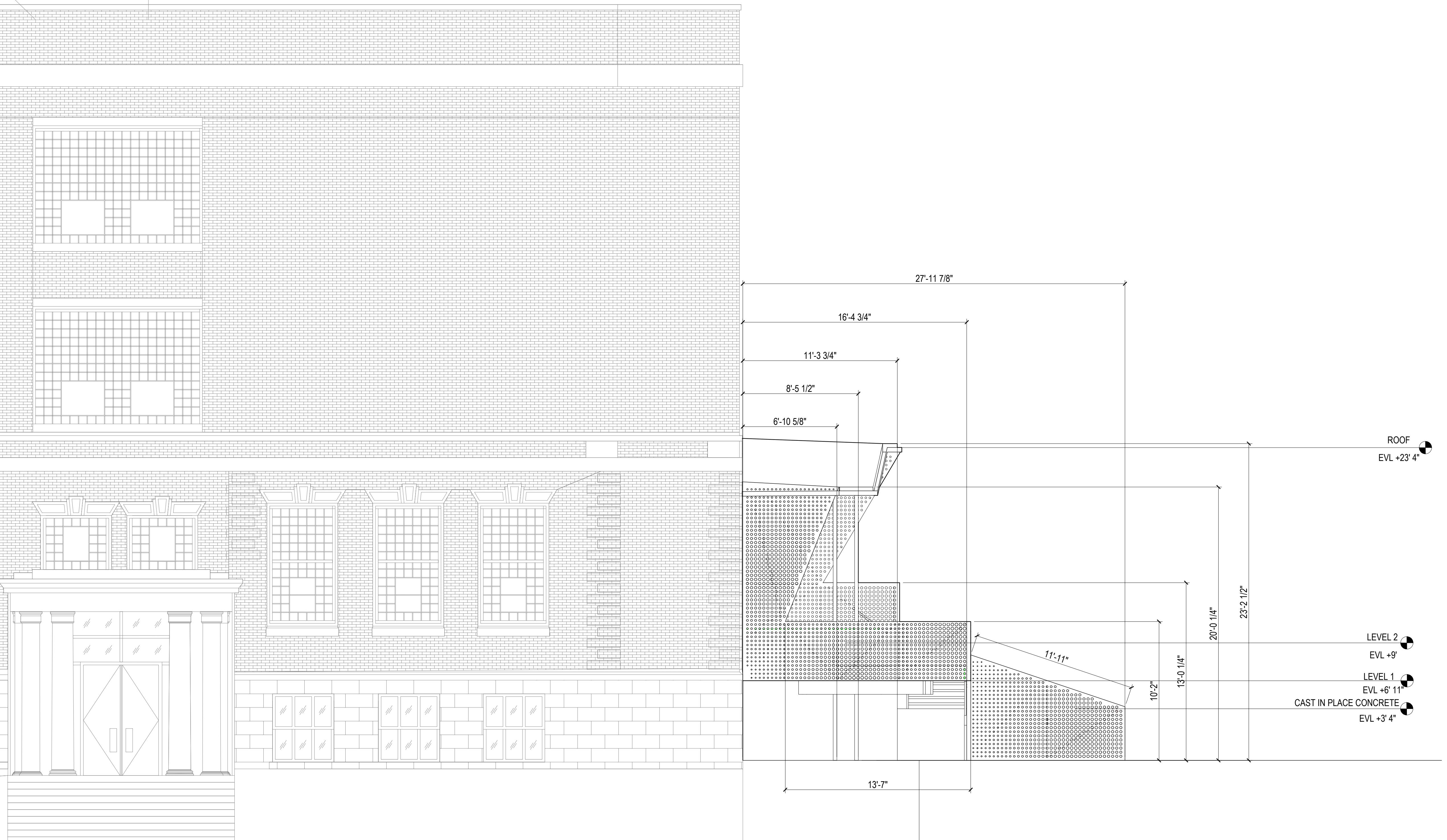
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**2 NORTH ELEVATION**

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



GENERAL NOTES:

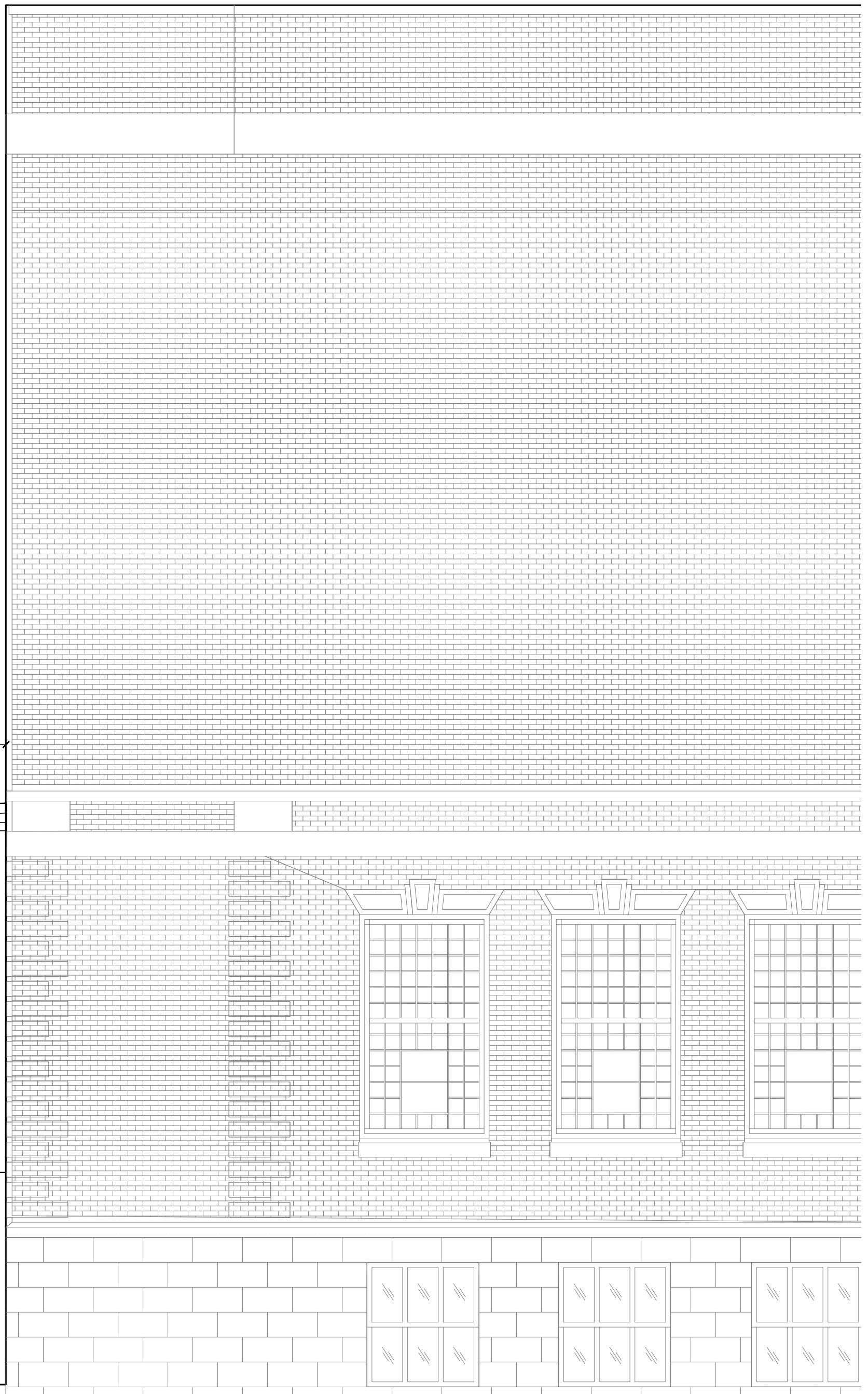
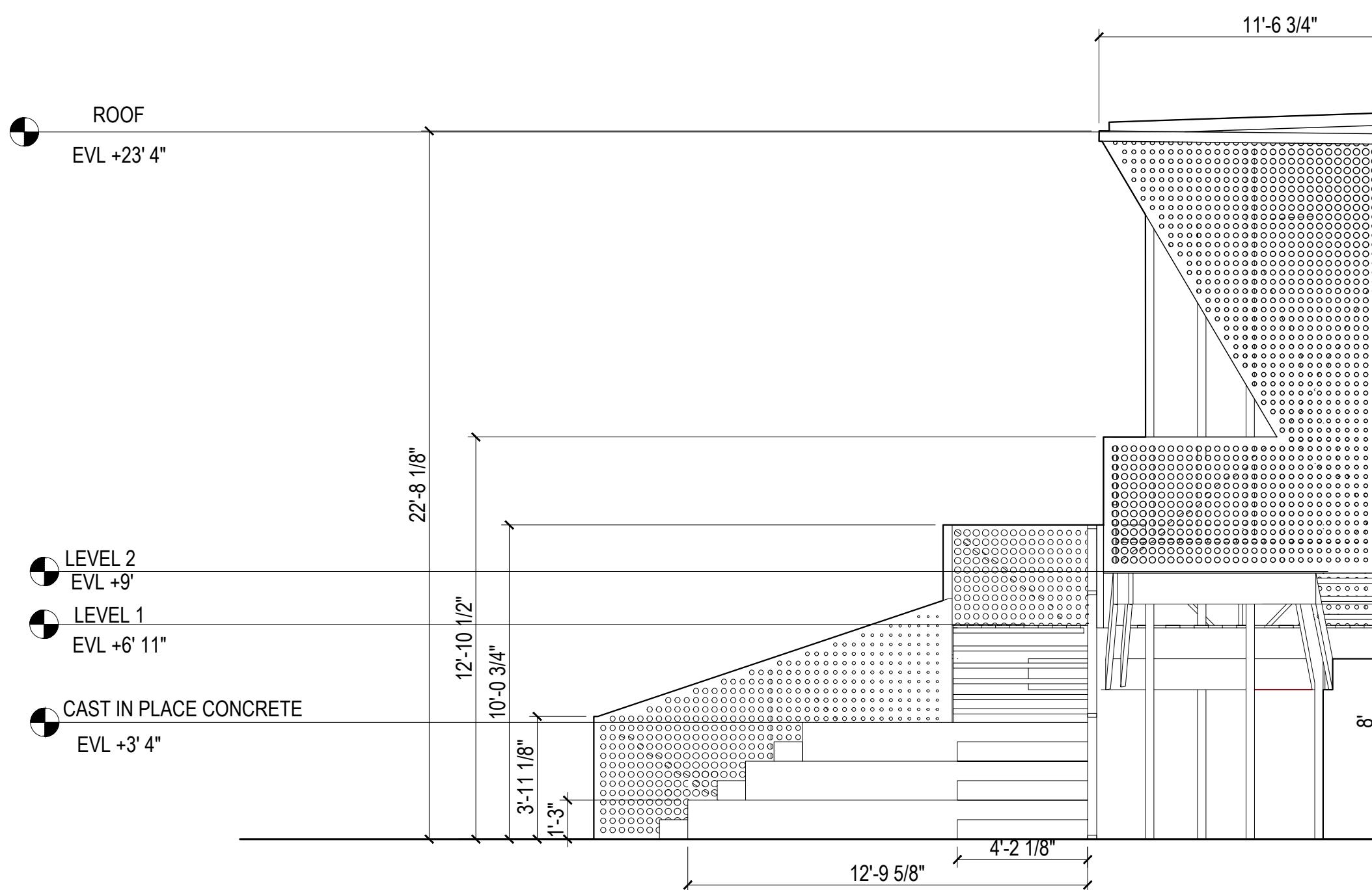
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KEY NOTES:

- Finishes**
- 1. 2" diameter aluminum handrail
  - 2. 16 gauge 3x7" hollow metal door frame
  - 3. 3x7x1 1/4" hollow metal door
- Floor**
- 4. 1 3/4" x 11 1/4" LVL, floor structure
  - 5. 2x12 nominal framing lumber, floor joists
  - 6. 2x6 nominal framing lumber, parallelogram studs between LVL to hold up the floor joists
  - 7. 1x6 nominal, gray trex composite decking
  - 8. Trex fasteners
  - 9. Routing eyebolts
  - 10. Cargo netting
- Railing**
- 11. 2x4 nominal framing lumber, railing studs
  - 12. 1/4" plywood, enclosure
  - 13. PPG 1187-7 Red Gumball paint, enclosure
- Roof**
- 14. 1 3/4" x 11 1/4" LVL, roof structure
  - 15. 16 mm THICK Polycarbonate
  - 16. 4" gutter
- Structure**
- 17. 2 1/2" nominal diameter, extra strong steel pipe column
  - 18. Fabricated steel plates welded to the steel pipe, LVL structural support
  - 19. Gravel
  - 20. Re-Bar
  - 21. Cast in place concrete
  - 22. L-SHAPED Simpson ties for LVL's
  - 23. Metal Stringer Mounting bracket

# RED RIBBON PORCH

A3.20  
ELEVATIONS



**3** SOUTH ELEVATION

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9  
DECEMBER  
2 0 1 9  
CONSTRUCTION  
DRAWING :

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
500 FORBES AVENUE  
PITTSBURGH PA 15213

KEY NOTES:

Finishes  
1. 2" diameter aluminum handrail  
2. 16 gauge 3x7" hollow metal door frame  
3. 3x7x1 1/4" hollow metal door

Floor  
4. 1 3/4" x 11 1/4" LVL, floor structure  
5. 2x12 nominal framing lumber, floor joists  
6. 2x6 nominal framing lumber, parallelogram studs between LVL to hold up the floor joists  
7. 1x6 nominal, gray trex composite decking  
8. Trex fasteners  
9. Routing eyebolts  
10. Cargo netting

Railing  
11. 2x4 nominal framing lumber, railing studs  
12. 1/4" plywood, enclosure  
13. PPG 1187-7 Red Gumball paint, enclosure

Roof  
14. 1 3/4" x 11 1/4" LVL, roof structure  
15. 16 mm THICK Polycarbonate  
16. 4" gutter

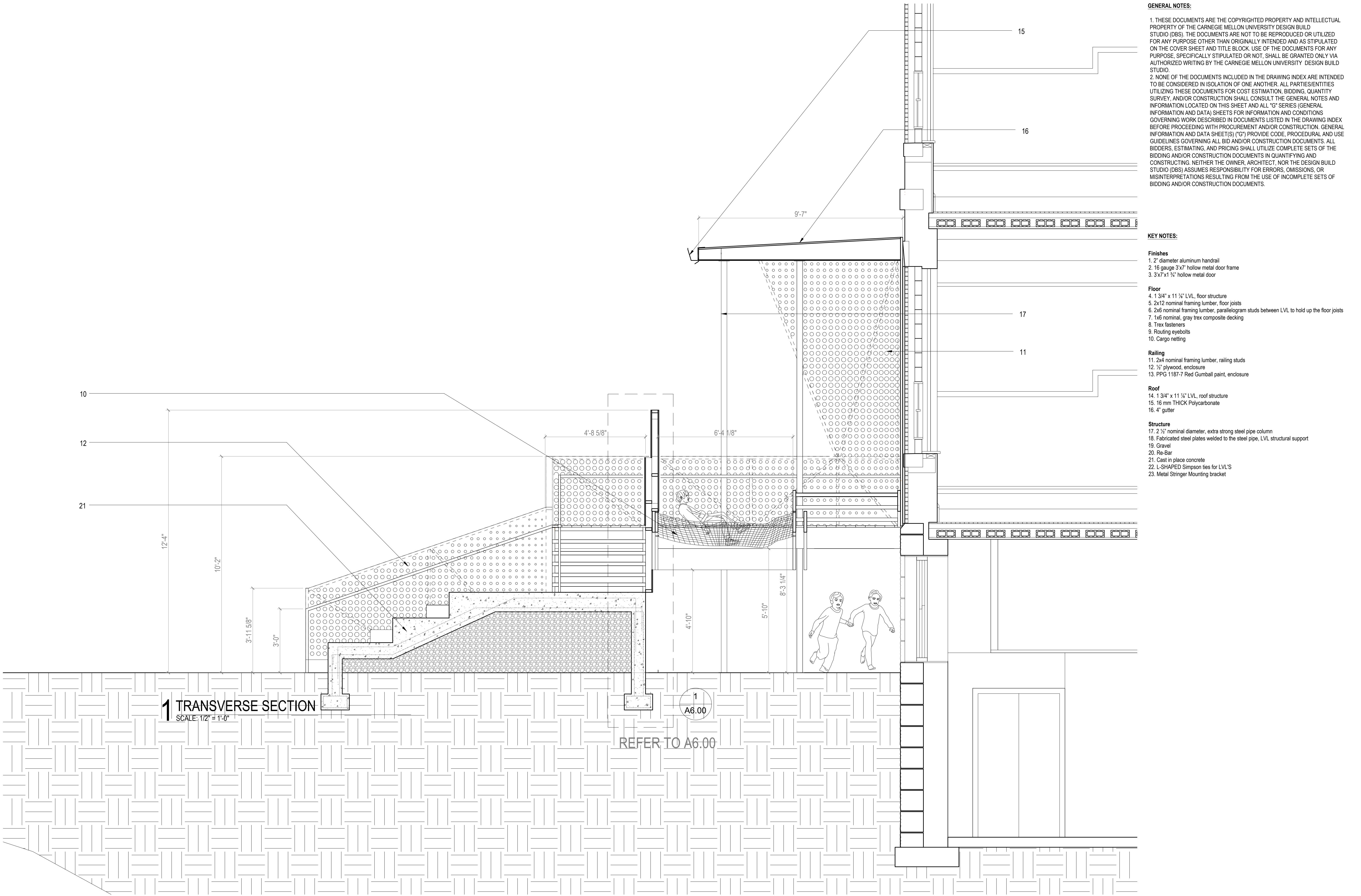
Structure  
17. 2 1/2" nominal diameter, extra strong steel pipe column  
18. Fabricated steel plates welded to the steel pipe, LVL structural support  
19. Gravel  
20. Re-Bar  
21. Cast in place concrete  
22. L-SHAPED Simpson ties for LVL's  
23. Metal Stringer Mounting bracket

# RED RIBBON PORCH

9  
DECEMBER  
2019  
CONSTRUCTION  
DRAWING:

A4.00  
SECTIONS

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
PITTSBURGH PA 15213



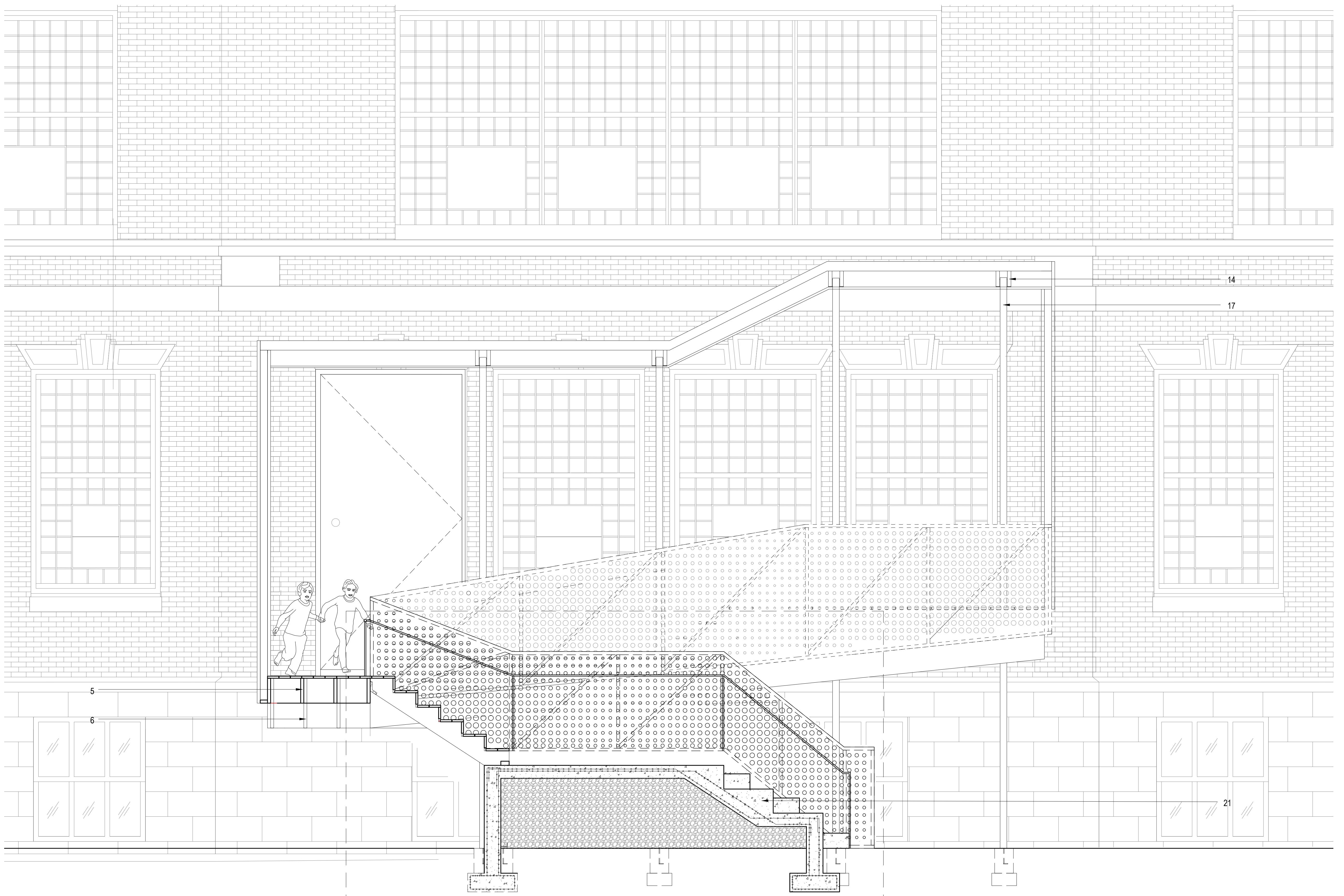
# RED RIBBON PORCH

A4.10  
SECTIONS

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
PITTSBURGH PA 15213

9  
DECEMBER  
2019  
CONSTRUCTION  
DRAWING:

1256 FRANKLIN AVE  
PITTSBURGH PA 15221



**2 LONGITUDINAL SECTION**  
SCALE: 1/2" = 1'-0"

1  
A5.00 REFER TO A5.00

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KEY NOTES:

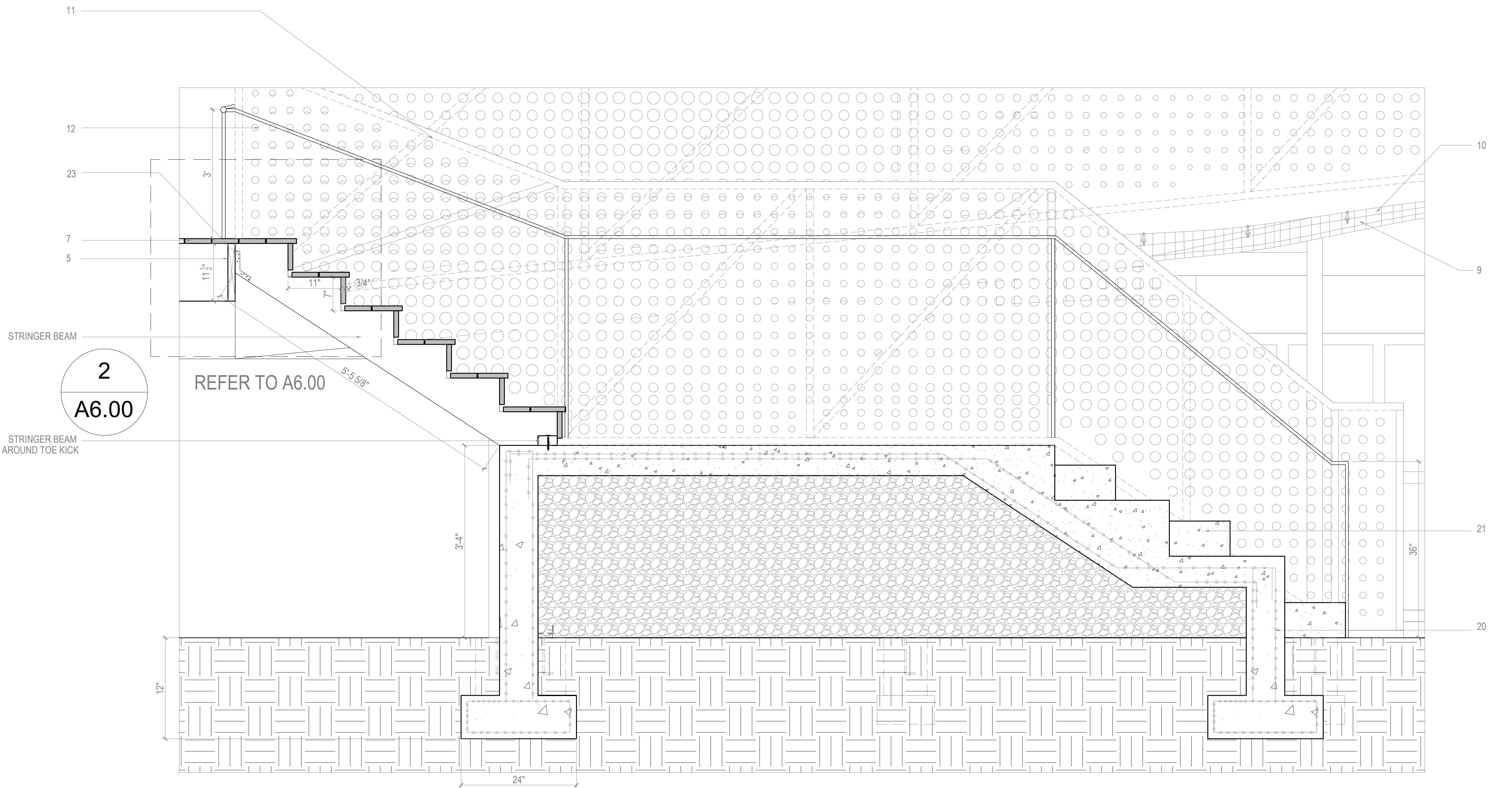
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  - 5. 2x12 nominal framing lumber, floor joists
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  - 7. 1x6 nominal, gray trex composite decking
  - 8. Tex fasteners
  - 9. Routing eyebolts
  - 10. Cargo netting
- Railing**
- 11. 2x4 nominal framing lumber, railing studs
  - 12. 1/4" plywood, enclosure
  - 13. PPG 1187-7 Red Gumball paint, enclosure
- Roof**
- 14. 1 3/4" x 11 1/4" LVL, roof structure
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  - 16. 4" gutter
- Structure**
- 17. 2 1/2" nominal diameter, extra strong steel pipe column
  - 18. Fabricated steel plates welded to the steel pipe, LVL structural support
  - 19. Gravel
  - 20. Re-Bar
  - 21. Cast in place concrete
  - 22. L-SHAPED Simpson ties for LVL's
  - 23. Metal Stringer Mounting bracket

# RED RIBBON PORCH

A5.00  
STAIR DETAIL

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
PITTSBURGH PA 15213

15 OF 19



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9 DECEMBER  
2 0 1 9  
CONSTRUCTION D R A W I N G :

## KEY NOTES:

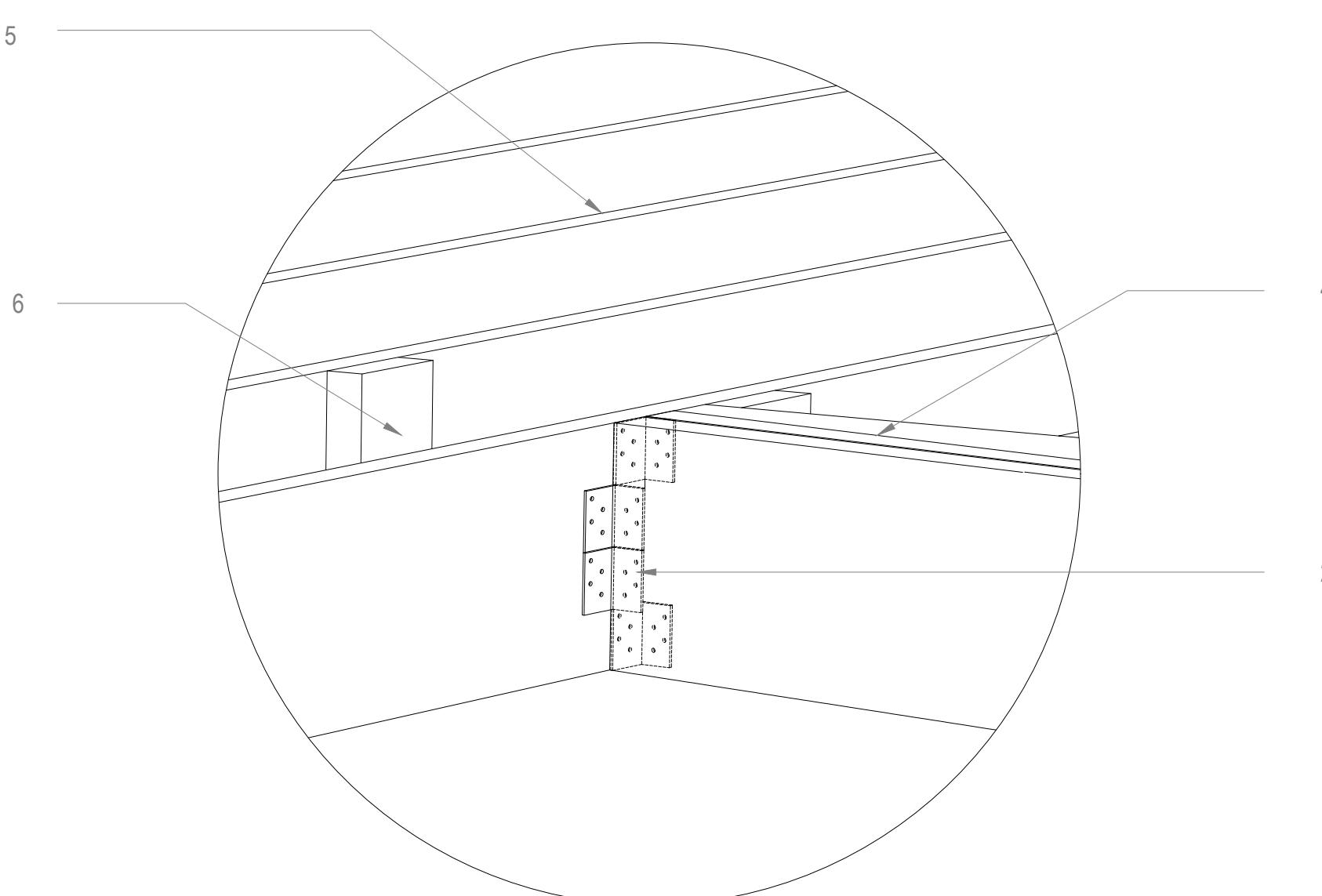
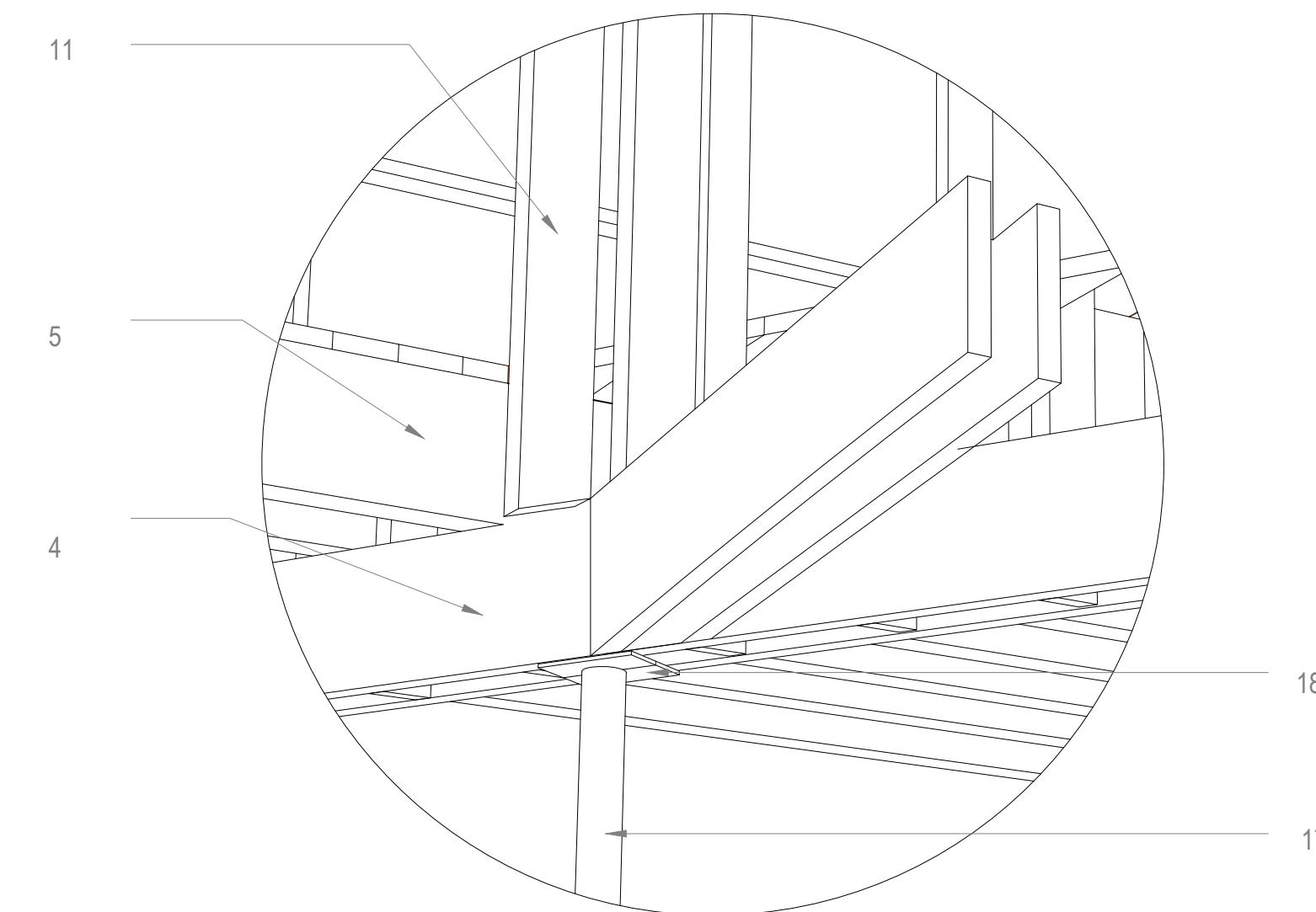
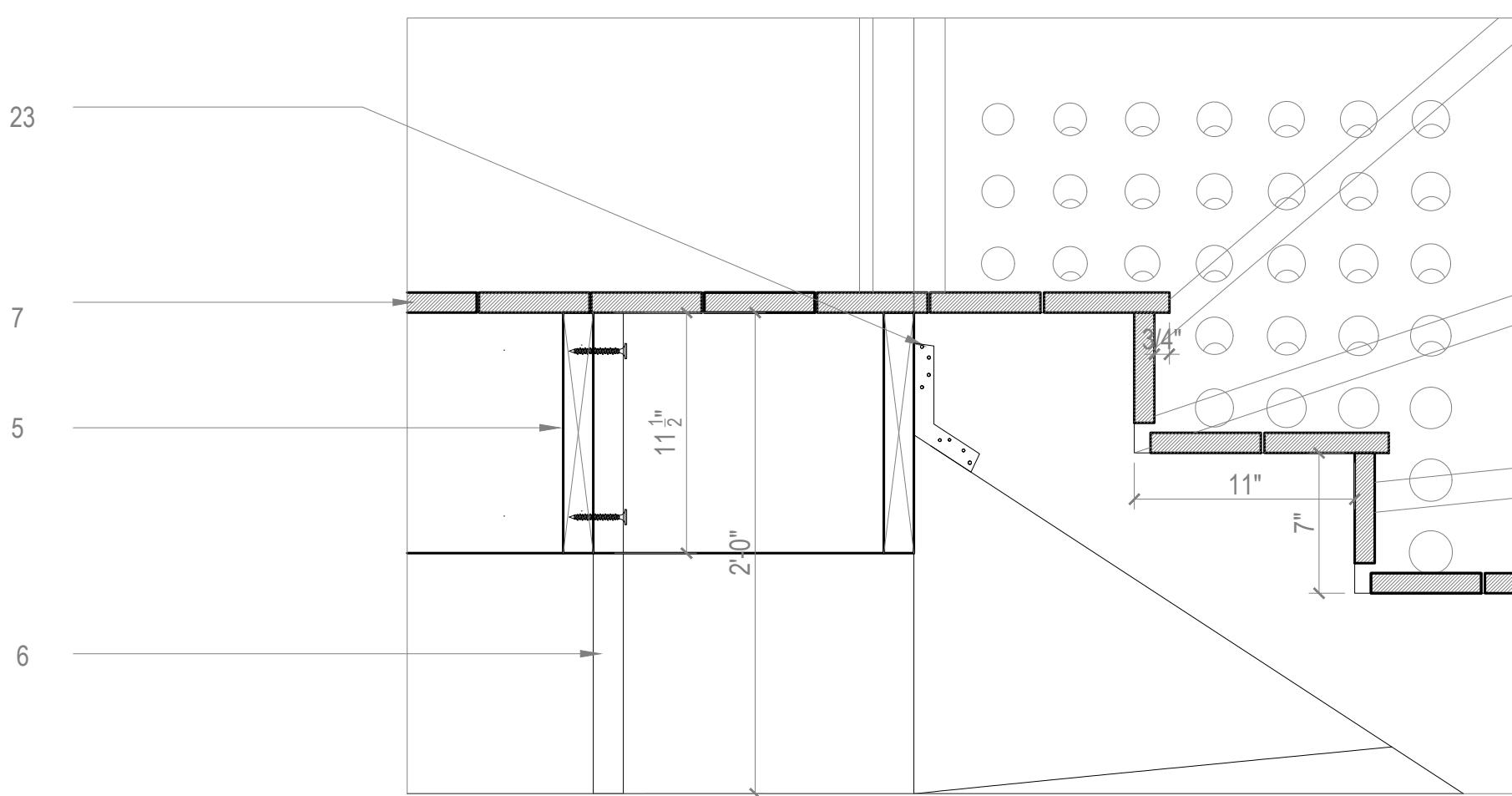
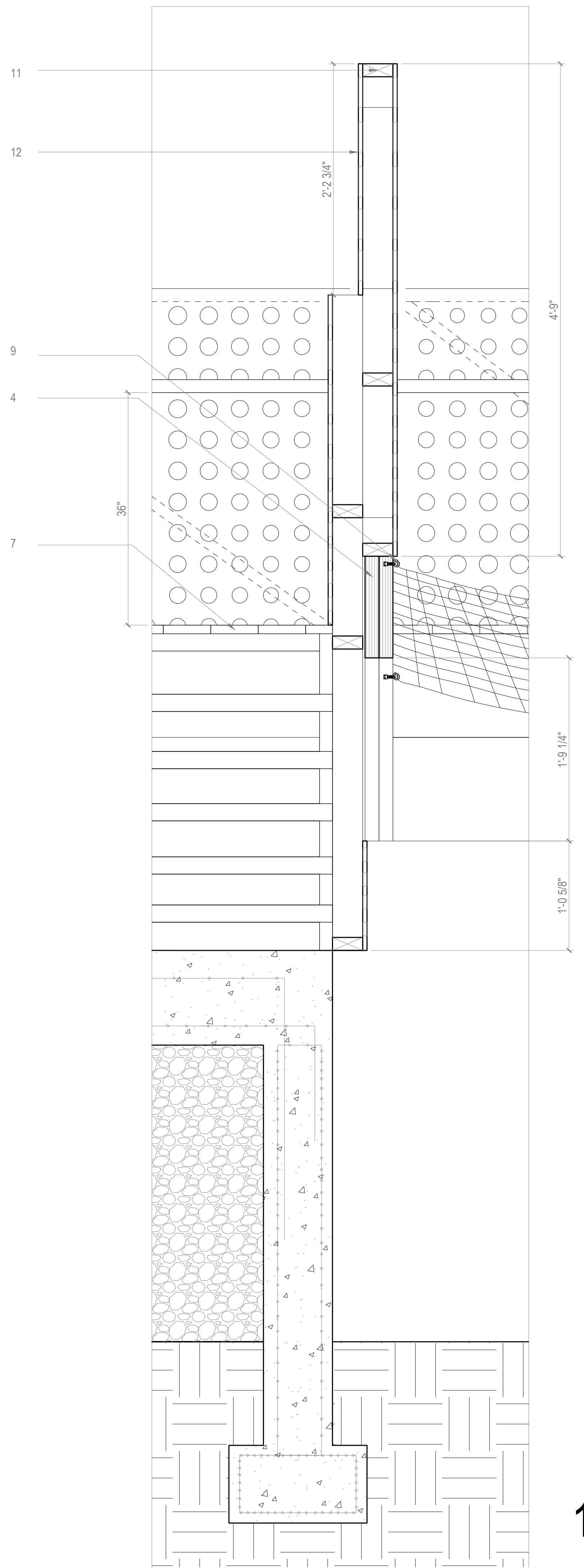
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  - 7. 1x6 nominal, gray trex composite decking
  - 8. Tex fasteners
  - 9. Routing eyebolts
  - 10. Cargo netting
- Railing**
- 11. 2x4 nominal framing lumber, railing studs
  - 12. 1/4" plywood, enclosure
  - 13. PPG 1187-7 Red Gumball paint, enclosure
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  - 16. 4" gutter
- Structure**
- 17. 2 1/2" nominal diameter, extra strong steel pipe column
  - 18. Fabricated steel plates welded to the steel pipe, LVL structural support
  - 19. Gravel
  - 20. Re-Bar
  - 21. Cast in place concrete
  - 22. L-SHAPED Simpson ties for LVL's
  - 23. Metal Stringer Mounting bracket

# RED RIBBON PORCH

A6.00  
DETAILS

16 OF 19

DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
500 FORBES AVENUE  
PITTSBURGH PA 15213



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9  
DECEMBER  
2 0 1 9  
CONSTRUCTION  
DRAWING :

## KEY NOTES:

- Finishes**
  - 1. 2" diameter aluminum handrail
  - 2. 16 gauge 3x7" hollow metal door frame
  - 3. 3x7x1 1/4" hollow metal door
- Floor**
  - 4. 1 1/4" x 11 1/4" LVL, floor structure
  - 5. 2x12 nominal framing lumber, floor joists
  - 6. 2x6 nominal framing lumber, parallelogram studs between LVL to hold up the floor joists
  - 7. 1x6 nominal, gray trex composite decking
  - 8. Trex fasteners
  - 9. Routing eyebolts
  - 10. Cargo netting
- Railing**
  - 11. 2x4 nominal framing lumber, railing studs
  - 12. 1/4" plywood, enclosure
  - 13. PPG 1187-7 Red Gumball paint, enclosure
- Roof**
  - 14. 1 1/4" x 11 1/4" LVL, roof structure
  - 15. 16 mm THICK Polycarbonate
  - 16. 4" gutter
- Structure**
  - 17. 2 1/2" nominal diameter, extra strong steel pipe column
  - 18. Fabricated steel plates welded to the steel pipe, LVL structural support
  - 19. Gravel
  - 20. Re-Bar
  - 21. Cast in place concrete
  - 22. L-SHAPED Simpson ties for LVL's
  - 23. Metal Stringer Mounting bracket

# RED RIBBON PORCH<sup>z</sup> PROTOTYPE |

1256 FRANKLIN AVENUE , PITTSBURGH PA 15221

PITTSBURGH , PENNSYLVANIA  
CARNEGIE MELLON UNIVERSITY  
DESIGN BUILD STUDIO  
DATE: DECEMBER 10 2019

**RED RIBBON PORCH**  
1256 FRANKLIN AVE  
PITTSBURGH PA 15221

11 .00  
PROTOTYPE  
PLAN

OF 19

CARNEGIE MELLON UNIVERSITY  
5000 FORBES AVENUE  
2011 COLLEGE OF FINE ARTS  
PITTSBURGH PA 15213

9  
CEMBER  
0 1 9  
INSTRUCTION  
AWING:

#### RAL NOTES:

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## NOTES:

**es**  
diameter aluminum handrail  
gauge 3'x7' hollow metal door frame  
"x1 3/4" hollow metal door

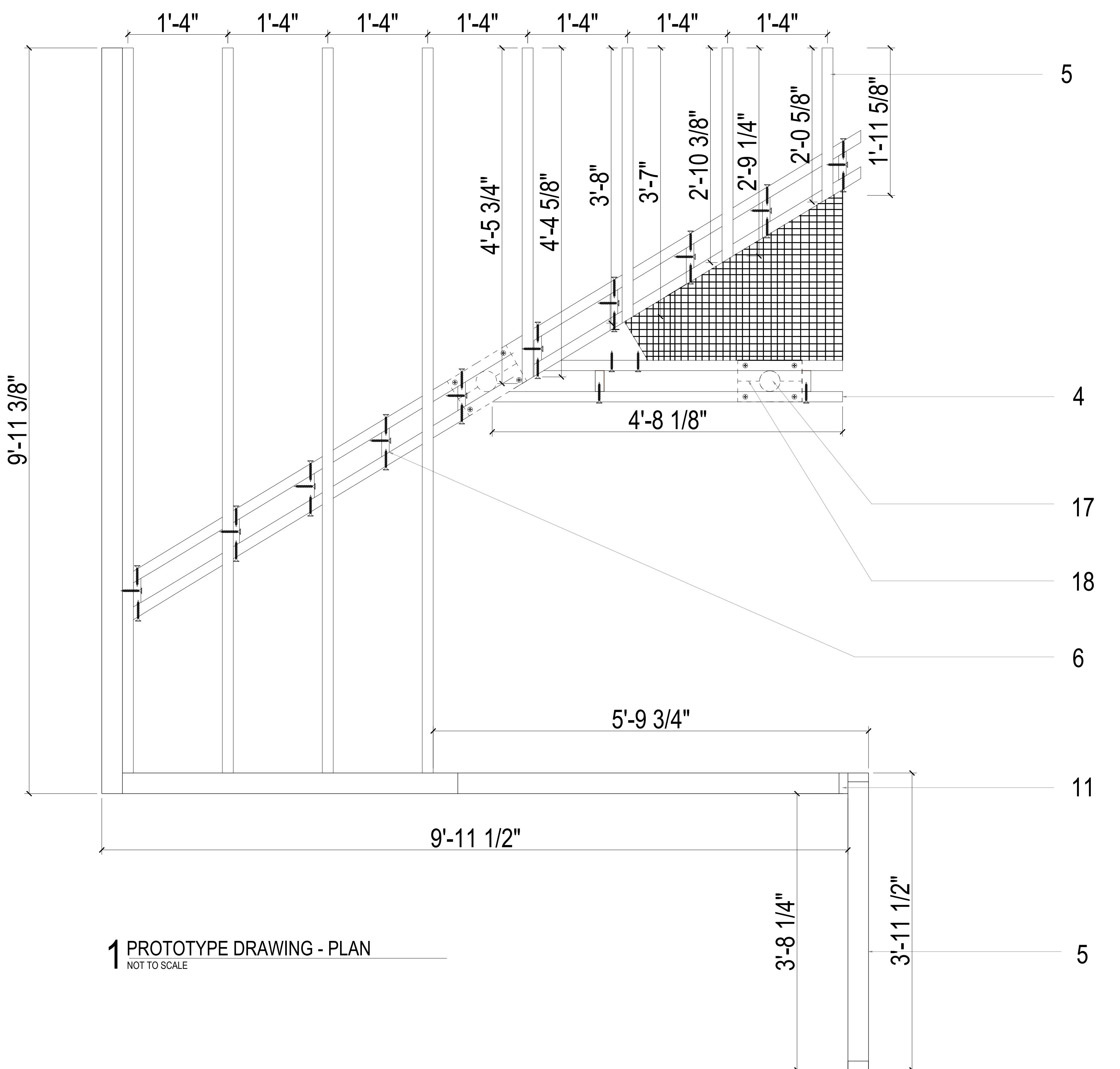
1/4" x 11 7/8" LVL, floor structure  
2 nominal framing lumber, floor joists  
nominal framing lumber, parallelogram studs between LVL to hold up the floor joists  
nominal, gray trex composite decking  
x fasteners  
utting eyebolts  
cargo netting

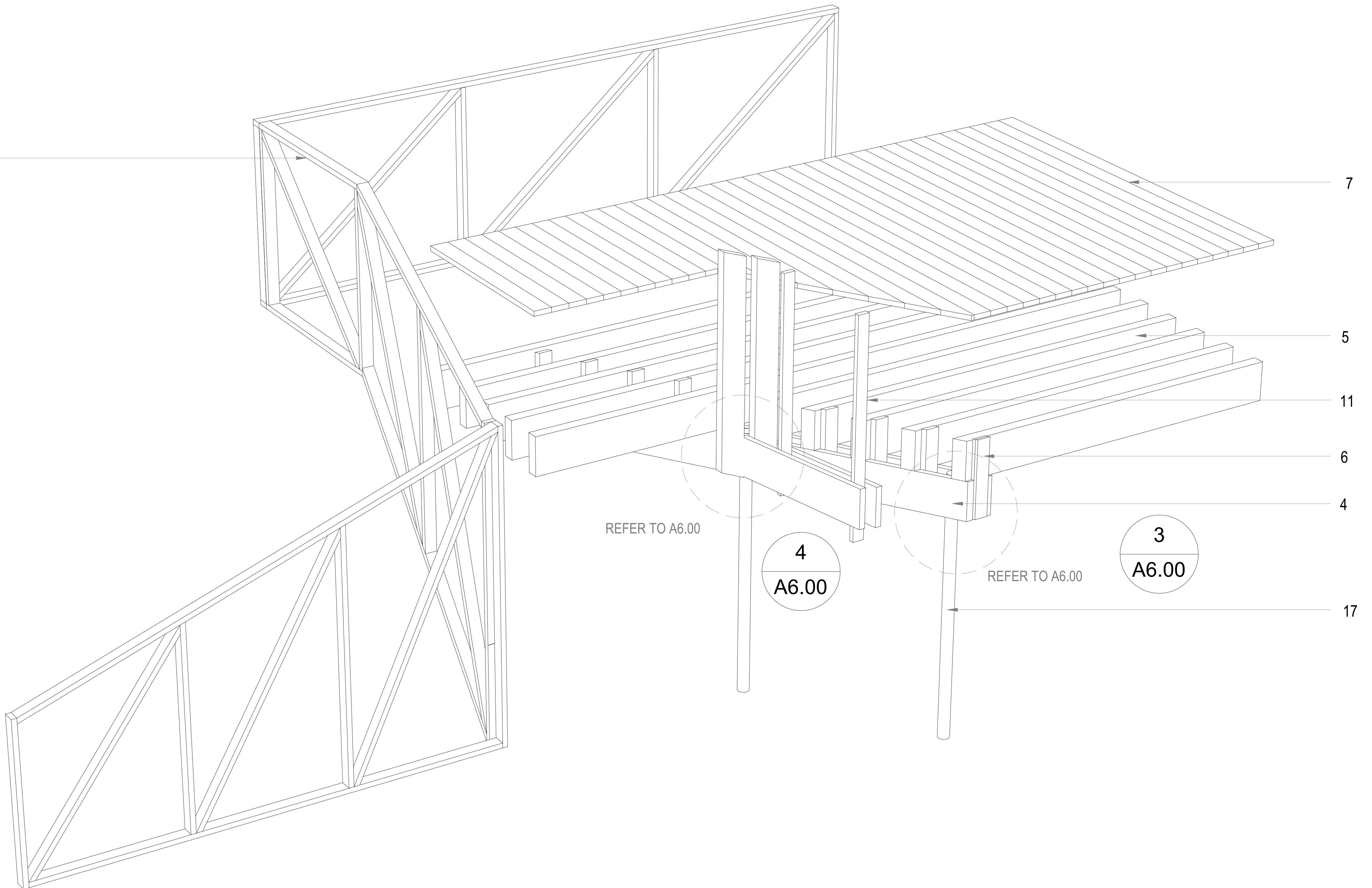
g  
4 nominal framing lumber, railing studs  
plywood, enclosure  
PG 1187-7 Red Gumball paint, enclosure

3/4" x 11 7/8" LVL, roof structure  
mm THICK Polycarbonate  
gutter

**ture**

1/2" nominal diameter, extra strong steel pipe column  
Fabricated steel plates welded to the steel pipe, LVL structural support  
avel  
e-Bar  
ast in place concrete  
SHAPED Simpson ties for LVL'S  
etal Stringer Mounting bracket





**1** PROTOTYPE DRAWING  
NOT TO SCALE

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9  
DECEMBER  
2 0 1 9  
CONSTRUCTION  
DRAWING :

**KEY NOTES:**

**Finishes**

1. 2" diameter aluminum handrail
2. 16 gauge 3x7" hollow metal door frame
3. 3x7"x1 1/4" hollow metal door

**Floor**

4. 1 3/4" x 11 1/4" LVL, floor structure
5. 2x12 nominal framing lumber, floor joists
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8. Trex fasteners
9. Routing eyebolts
10. Cargo netting

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**Structure**

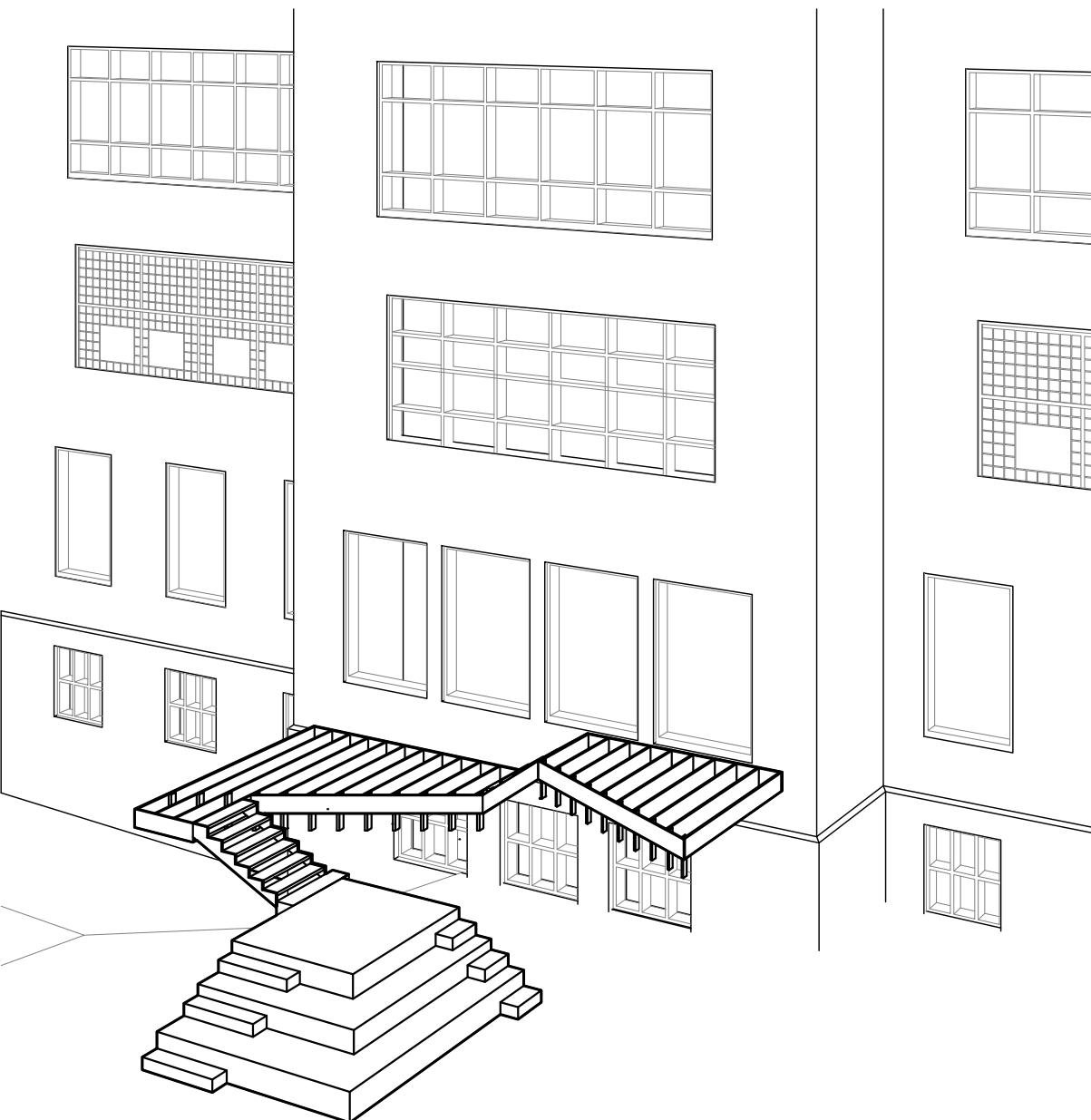
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19. Gravel
20. Re-Bar
21. Cast in place concrete
22. L-SHAPED Simpson ties for LVL's
23. Metal Stringer Mounting bracket

# RED RIBBON PORCH

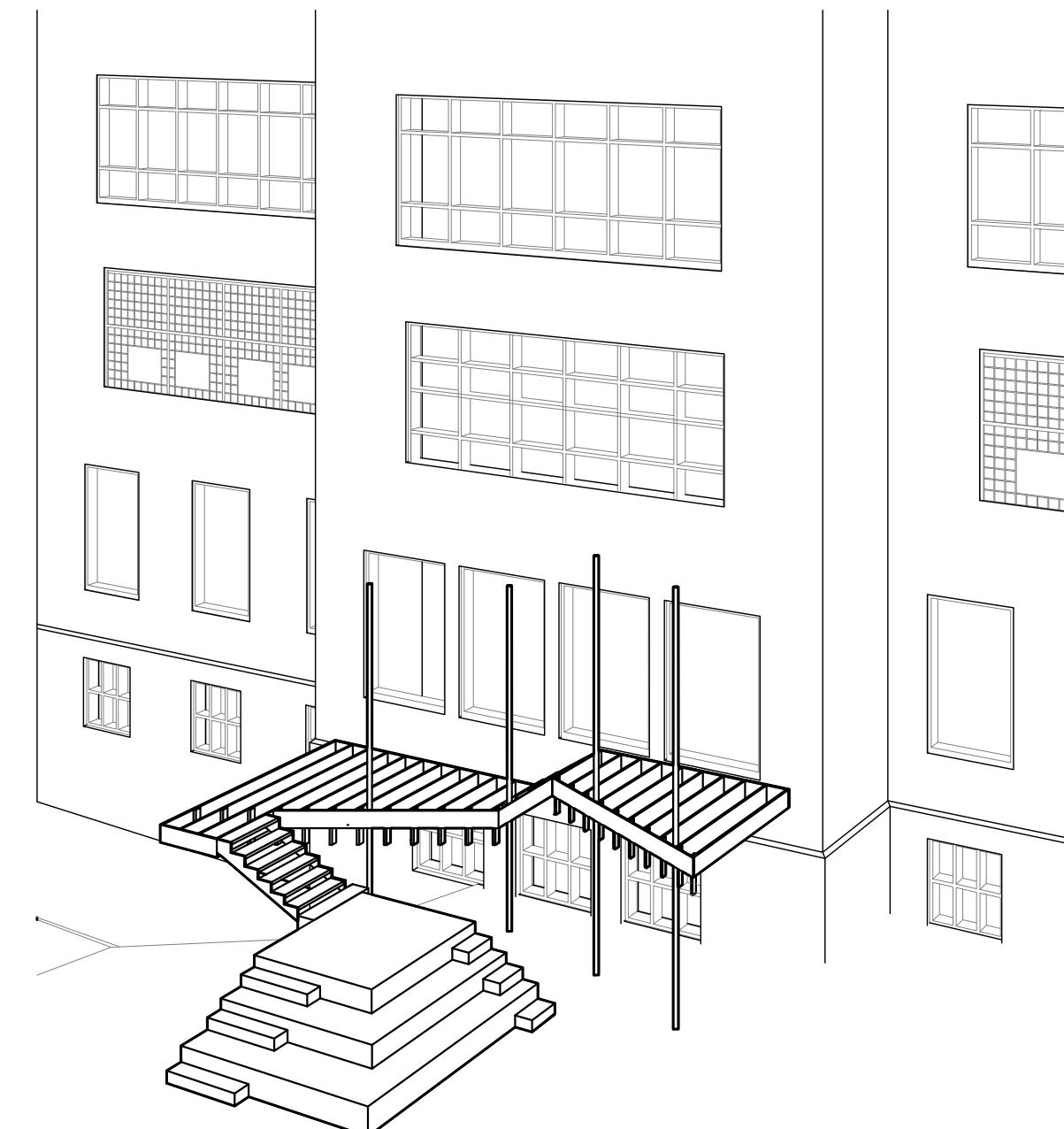
A8.00  
BUILD UP  
SEQUENCE

9  
DECEMBER  
2019  
CONSTRUCTION  
DRAWING :

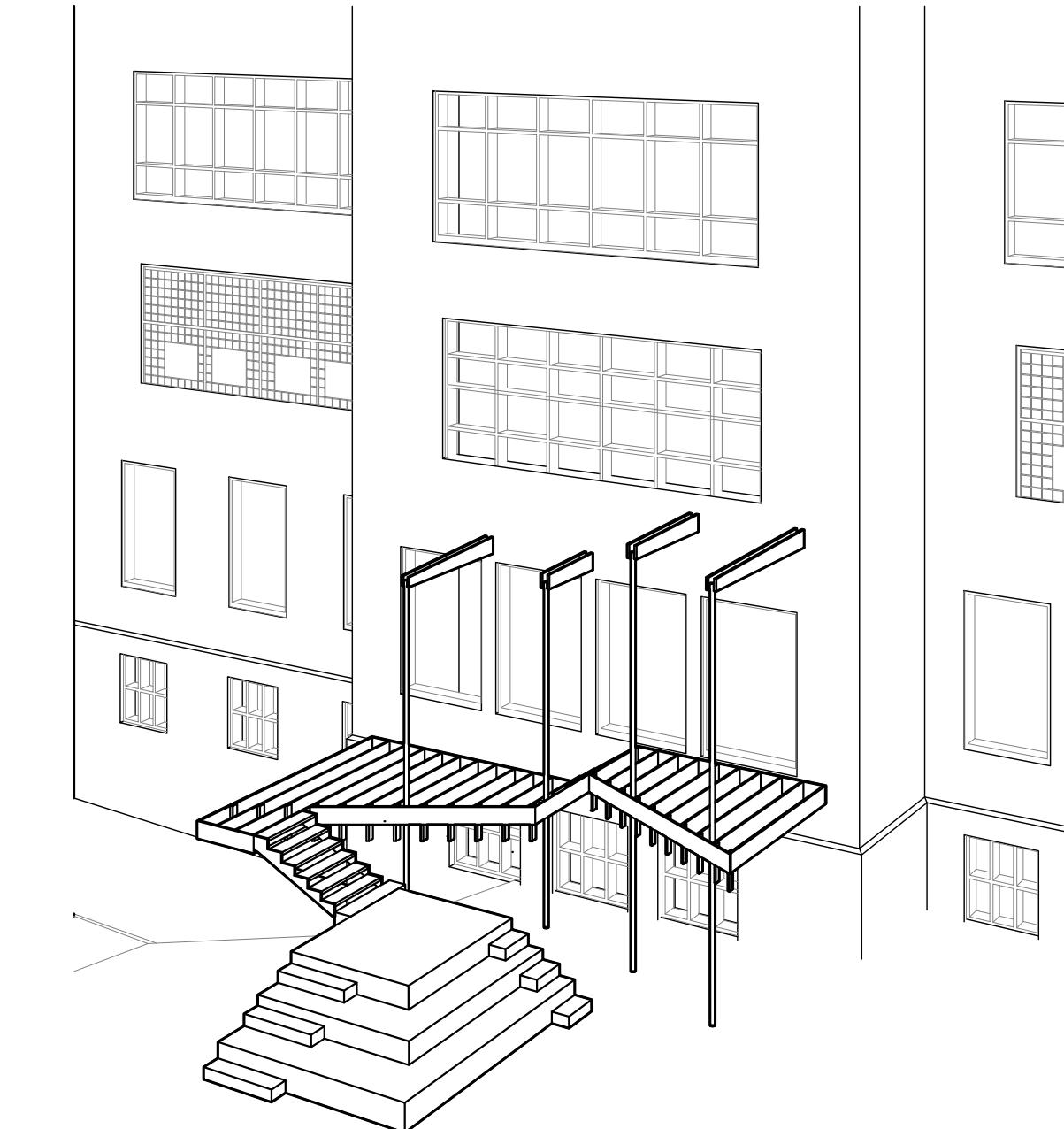
DESIGN BUILD STUDIO  
CARNEGIE MELLON UNIVERSITY  
500 FORBES AVENUE  
PITTSBURGH PA 15213



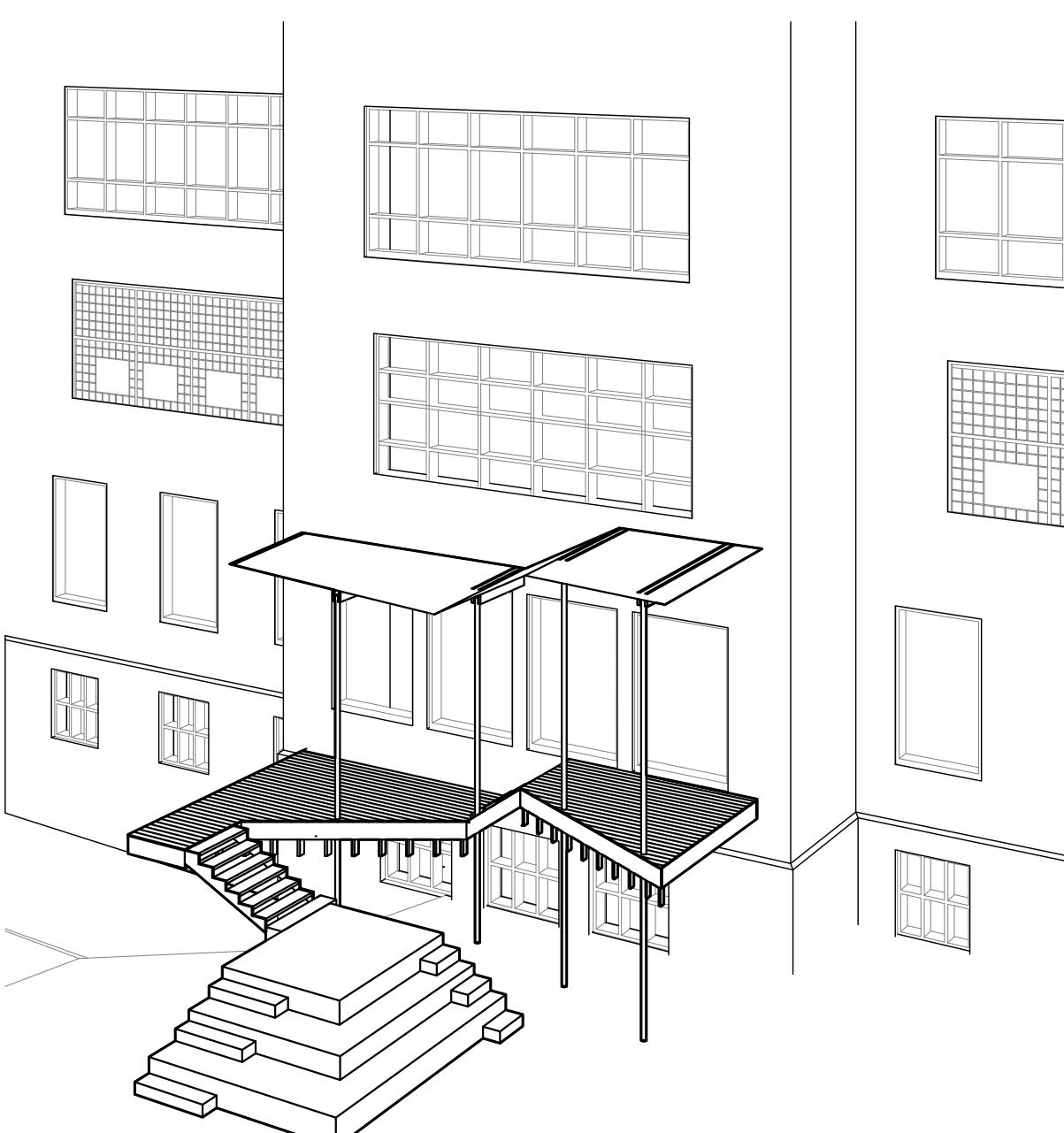
**1 Build Up Sequence**  
NOT TO SCALE



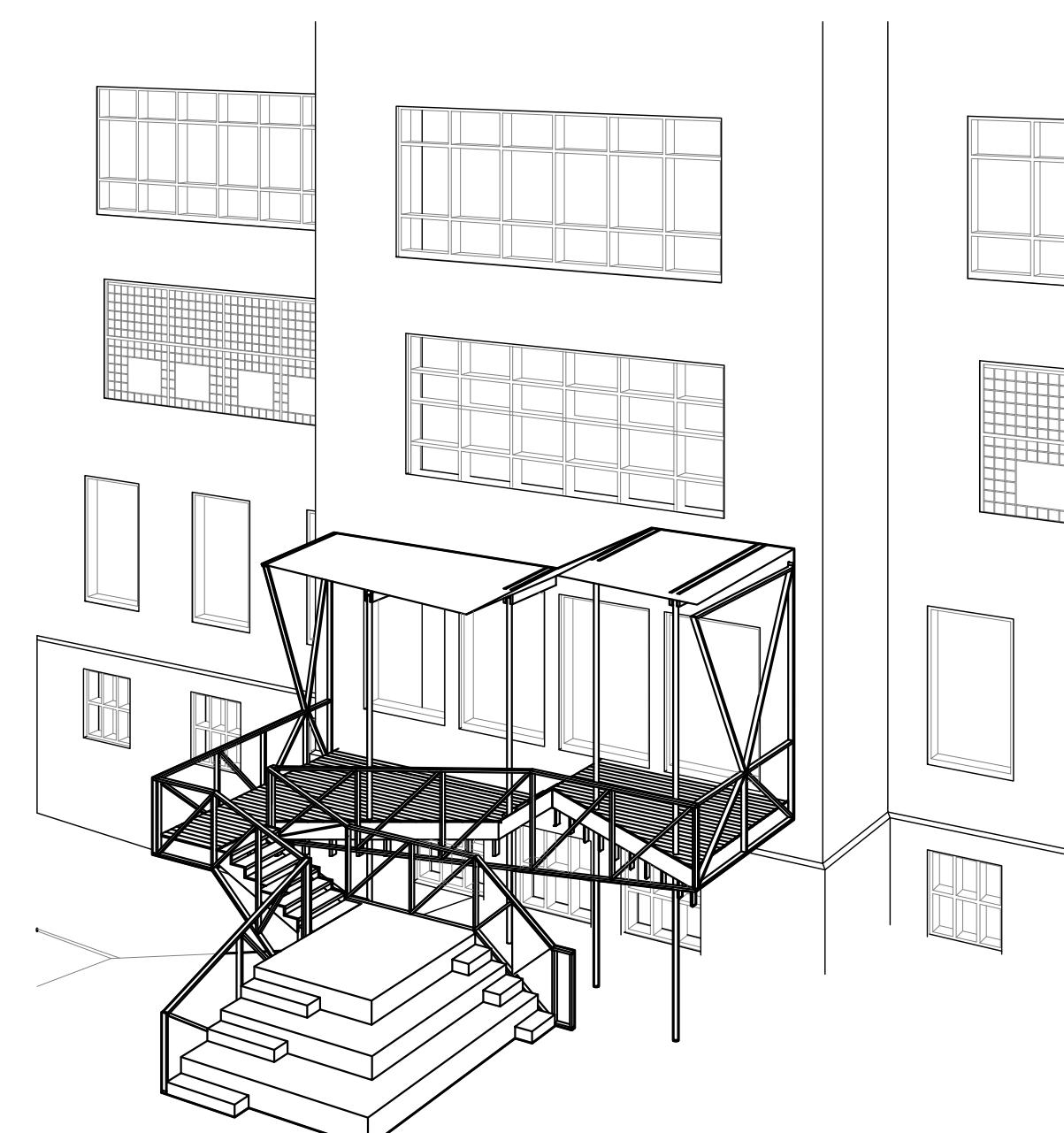
**2 Build Up Sequence**  
NOT TO SCALE



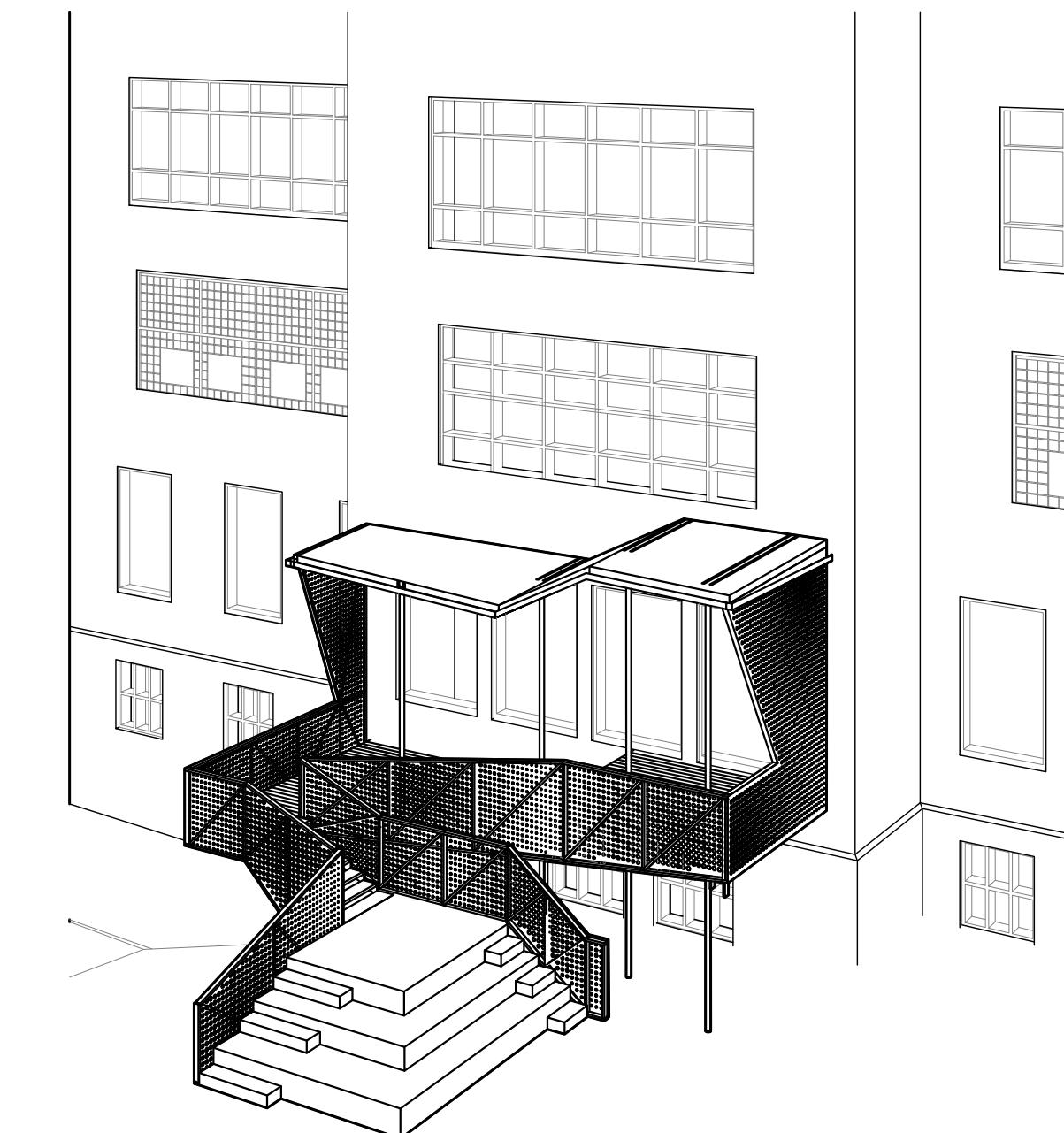
**3 Build Up Sequence**  
NOT TO SCALE



**4 Build Up Sequence**  
NOT TO SCALE



**5 Build Up Sequence**  
NOT TO SCALE



**6 Build Up Sequence**  
NOT TO SCALE

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## KEY NOTES:

### Finishes

- 1. 2" diameter aluminum handrail
- 2. 16 gauge 3x7" hollow metal door frame
- 3. 3x7"x1 1/4" hollow metal door

### Floor

- 4. 1 3/4" x 11 1/4" LVL, floor structure
- 5. 2x12 nominal framing lumber, floor joists
- 6. 2x6 nominal framing lumber, parallelogram studs between LVL to hold up the floor joists
- 7. 1x6 nominal, gray trex composite decking
- 8. Tex fasteners
- 9. Routing eyebolts
- 10. Cargo netting

### Railing

- 11. 2x4 nominal framing lumber, railing studs
- 12. 1/4" plywood, enclosure
- 13. PPG 1187-7 Red Gumball paint, enclosure

### Roof

- 14. 1 3/4" x 11 1/4" LVL, roof structure
- 15. 16 mm THICK Polycarbonate
- 16. 4" gutter

### Structure

- 17. 2 1/2" nominal diameter, extra strong steel pipe column
- 18. Fabricated steel plates welded to the steel pipe, LVL structural support
- 19. Gravel
- 20. Re-Bar
- 21. Cast in place concrete
- 22. L-SHAPED Simpson ties for LVL's
- 23. Metal Stringer Mounting bracket