

MAQUOKETA DOWNTOWN GREEN SPACE REDEVELOPMENT 2023

129 S MAIN ST
MAQUOKETA, IA 52060

PROJECT LOCATION MAP



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CIVIL

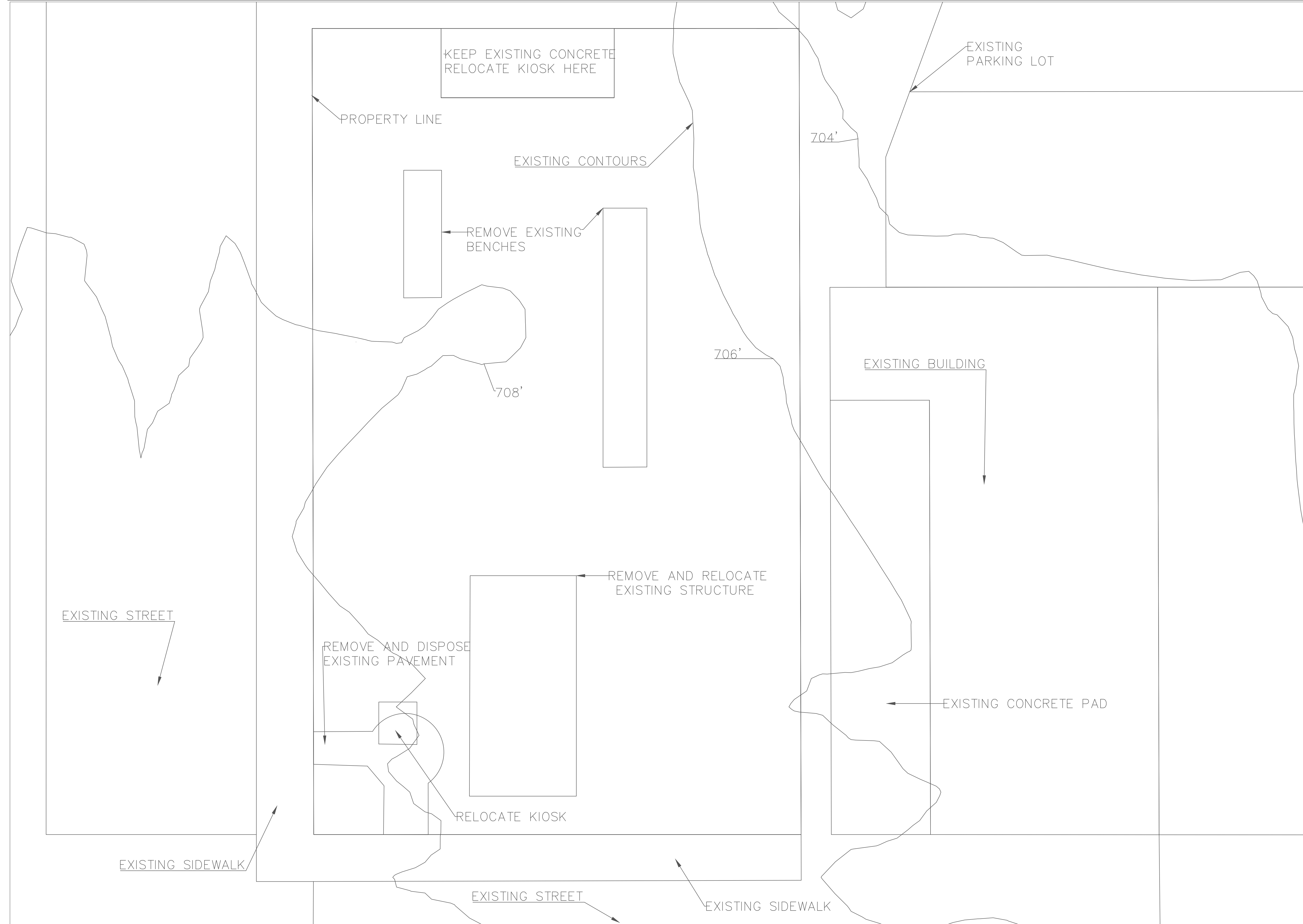
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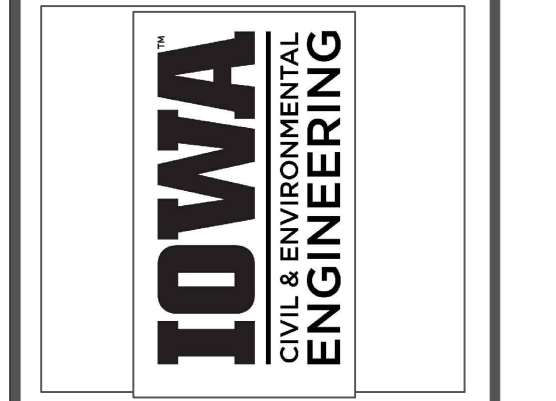
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PROJECT:	CEE: 4850
DATE :	05/05/23
DRAWN BY:	JDS
REVISION:	

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING
 4105 SEAMANS CENTER FOR THE
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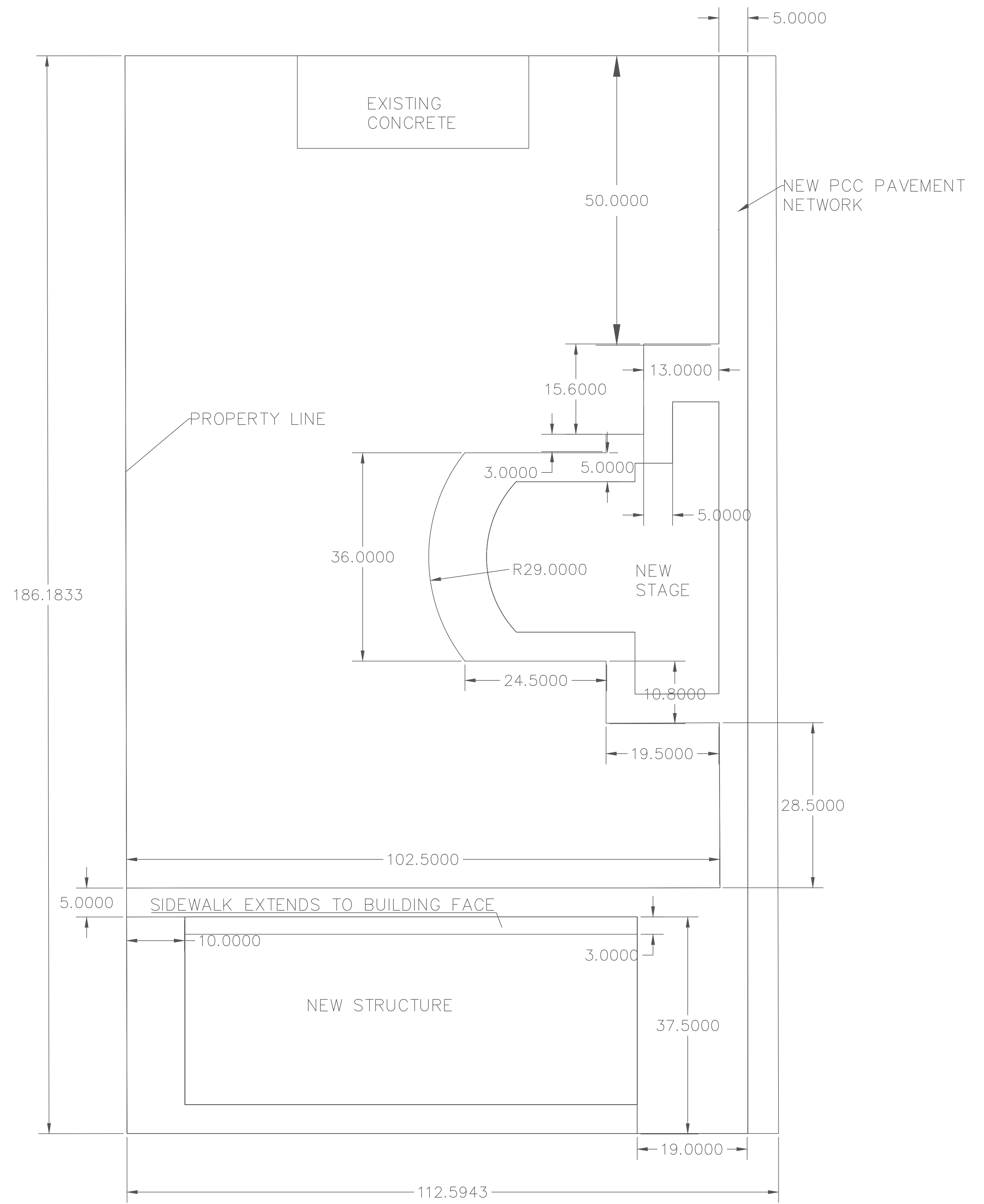
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GREEN SPACE REDEVELOPMENT

129 S Main St
 Maquoketa, IA

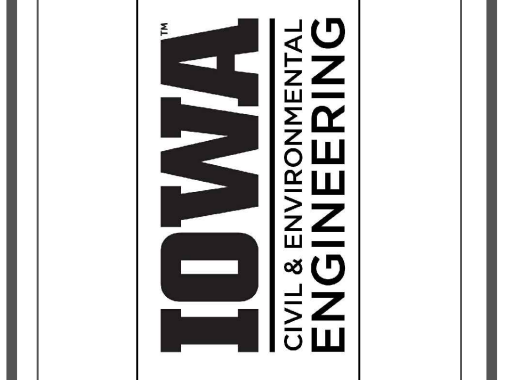
SHEET NAME
 DEMOLITION PLAN

SHEET NO.
CD.01



PROJECT:	CEE: 4850
DATE :	05/05/23
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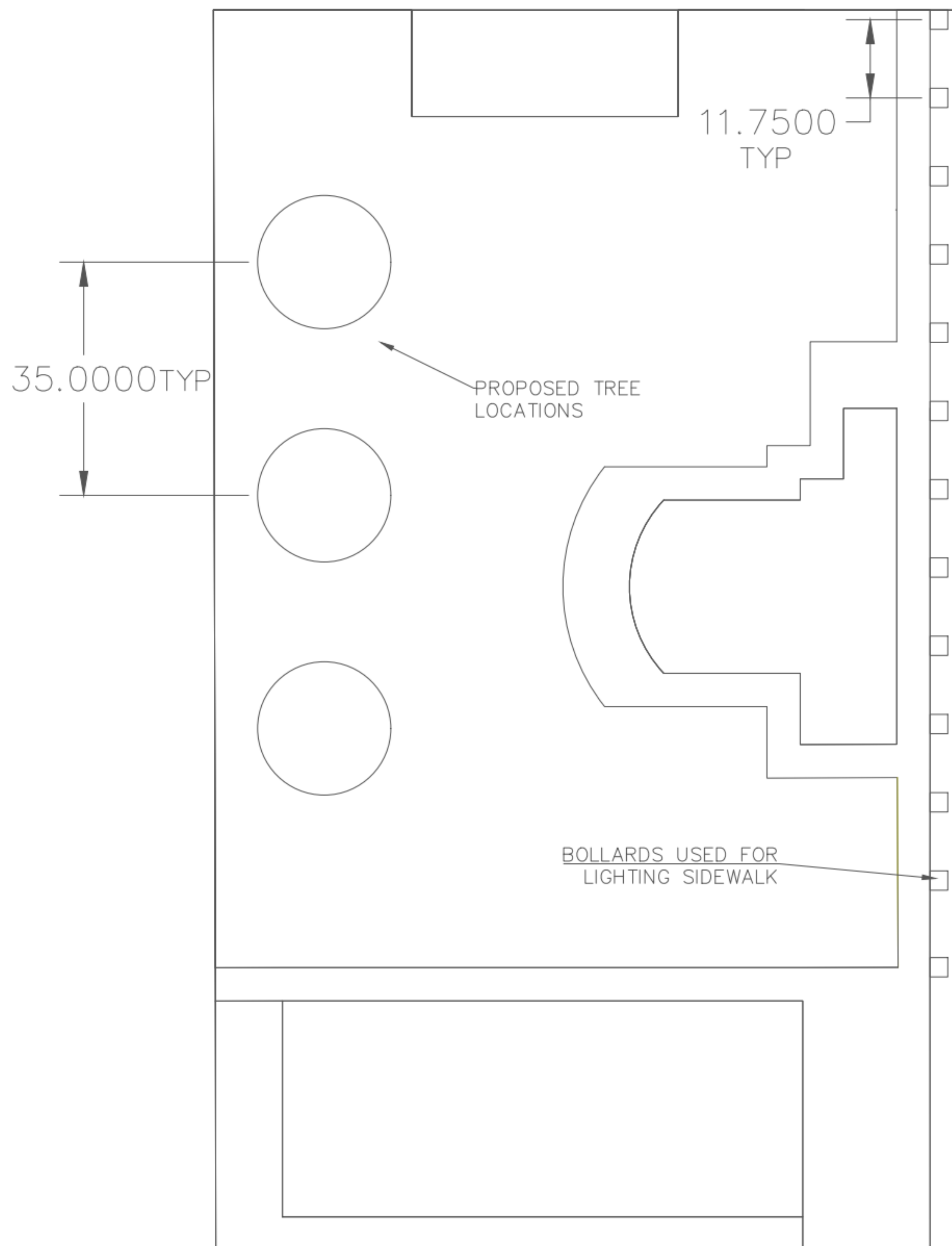
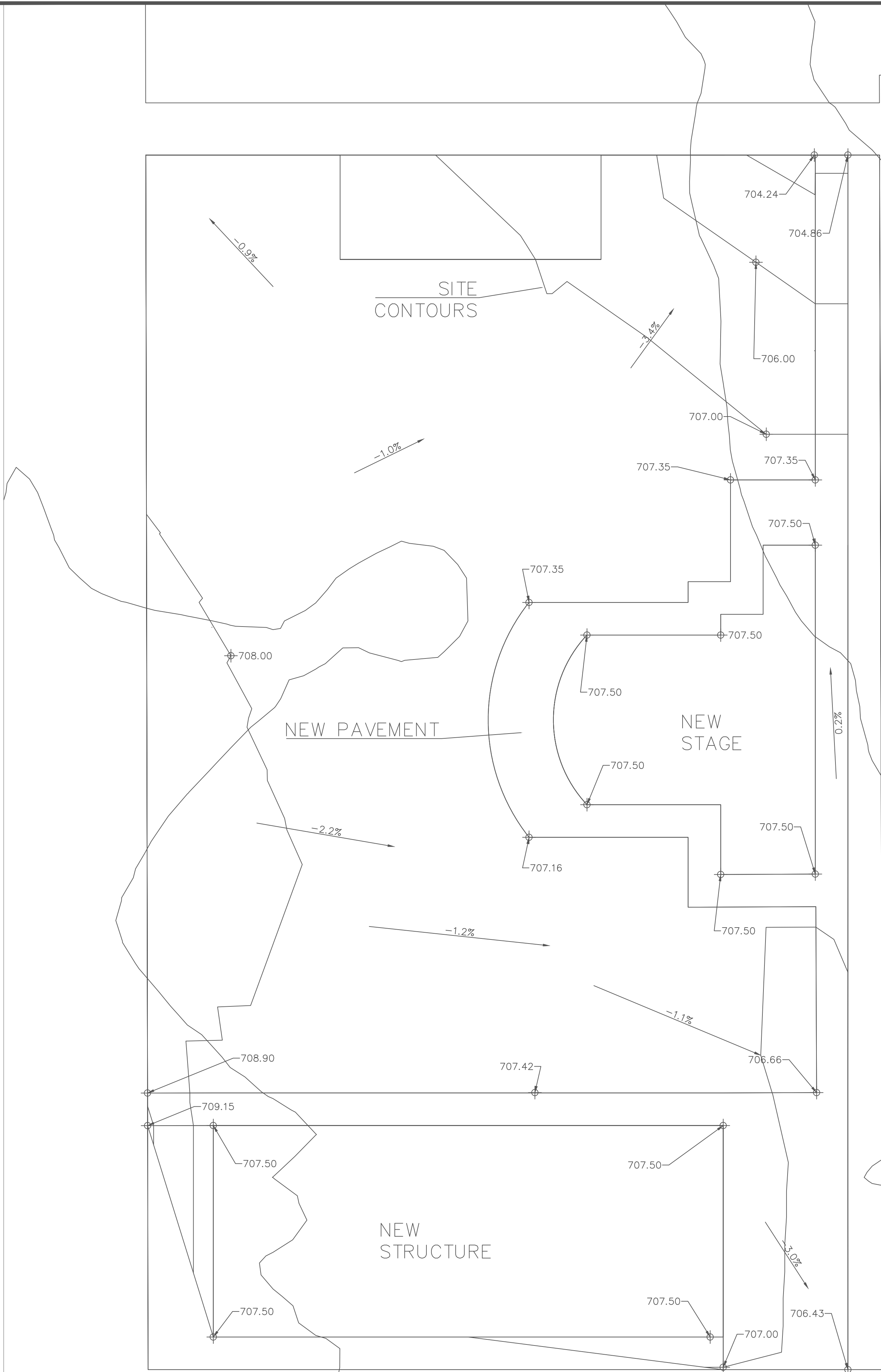
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GREEN SPACE REDEVELOPMENT

129 S Main St
 Maquoketa, IA

SHEET NAME
 SITE LAYOUT AND PAVING PLAN

SHEET NO.
C2.01



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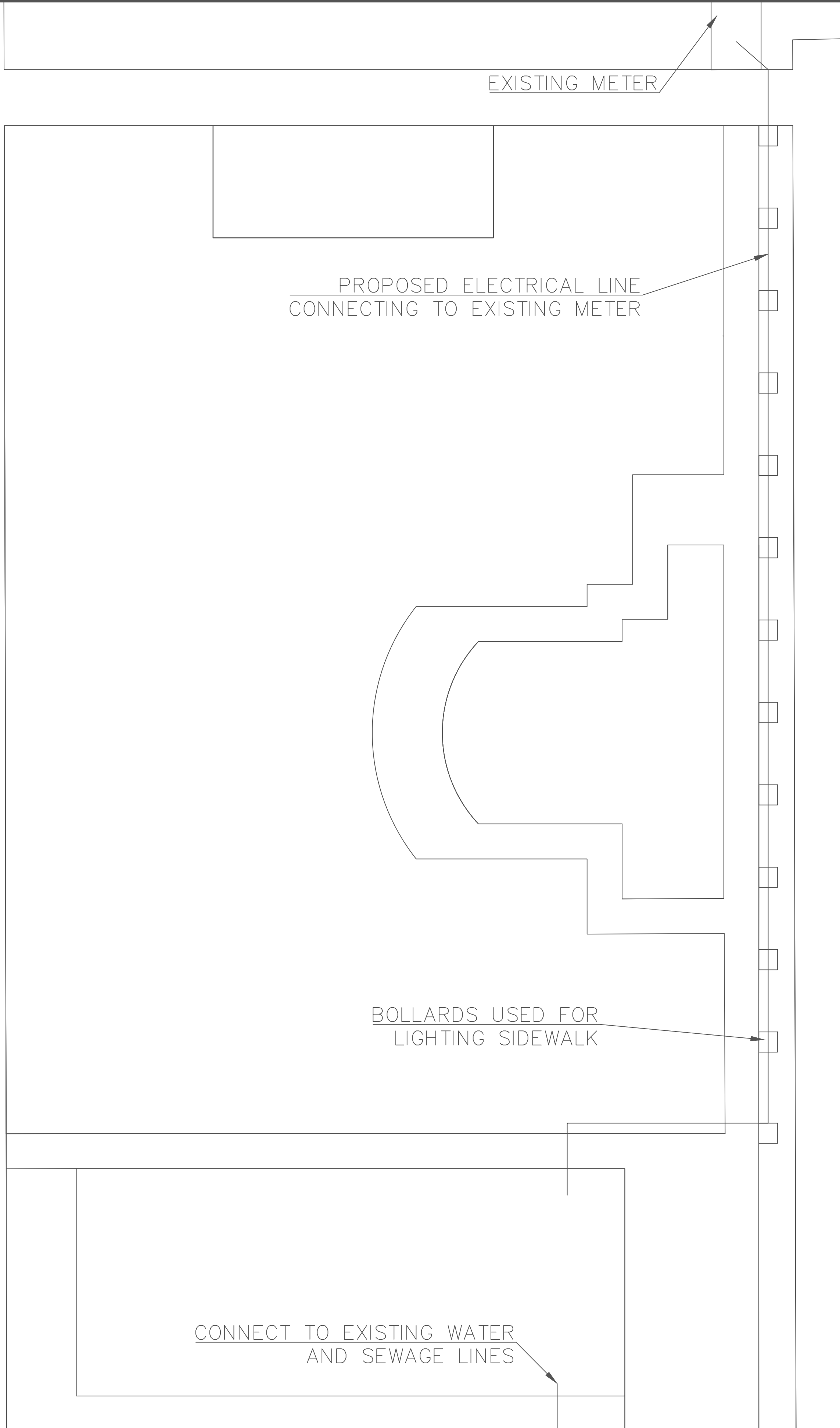
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GREEN SPACE REDEVELOPMENT

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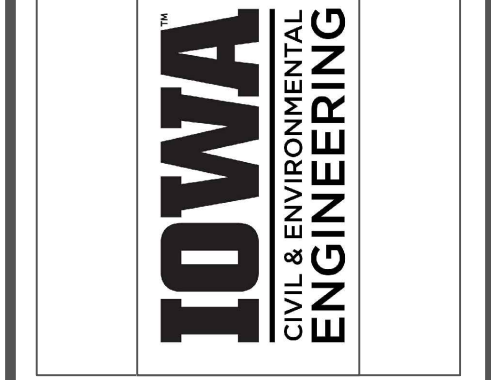
SHEET NAME
**GRADING AND
 LANDSCAPE PLAN**

SHEET NO.
C2.02



PROJECT:	CEE: 4850
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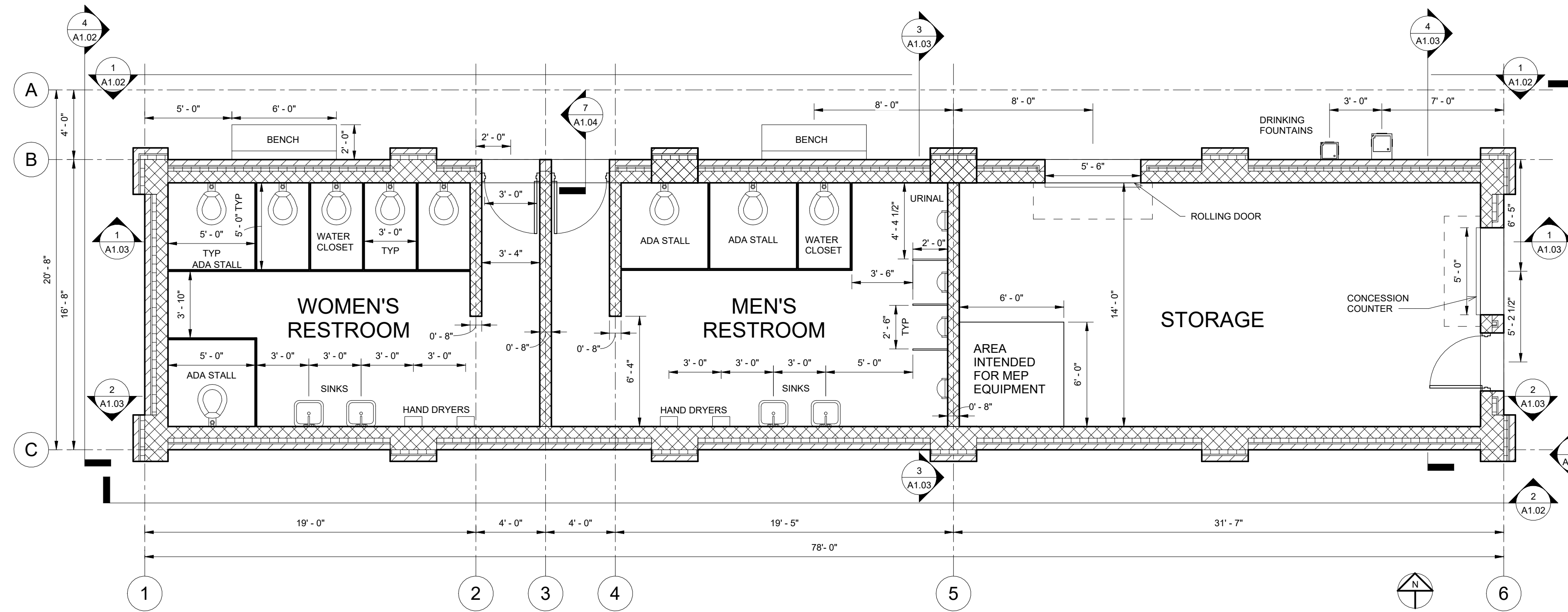
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GREEN SPACE REDEVELOPMENT

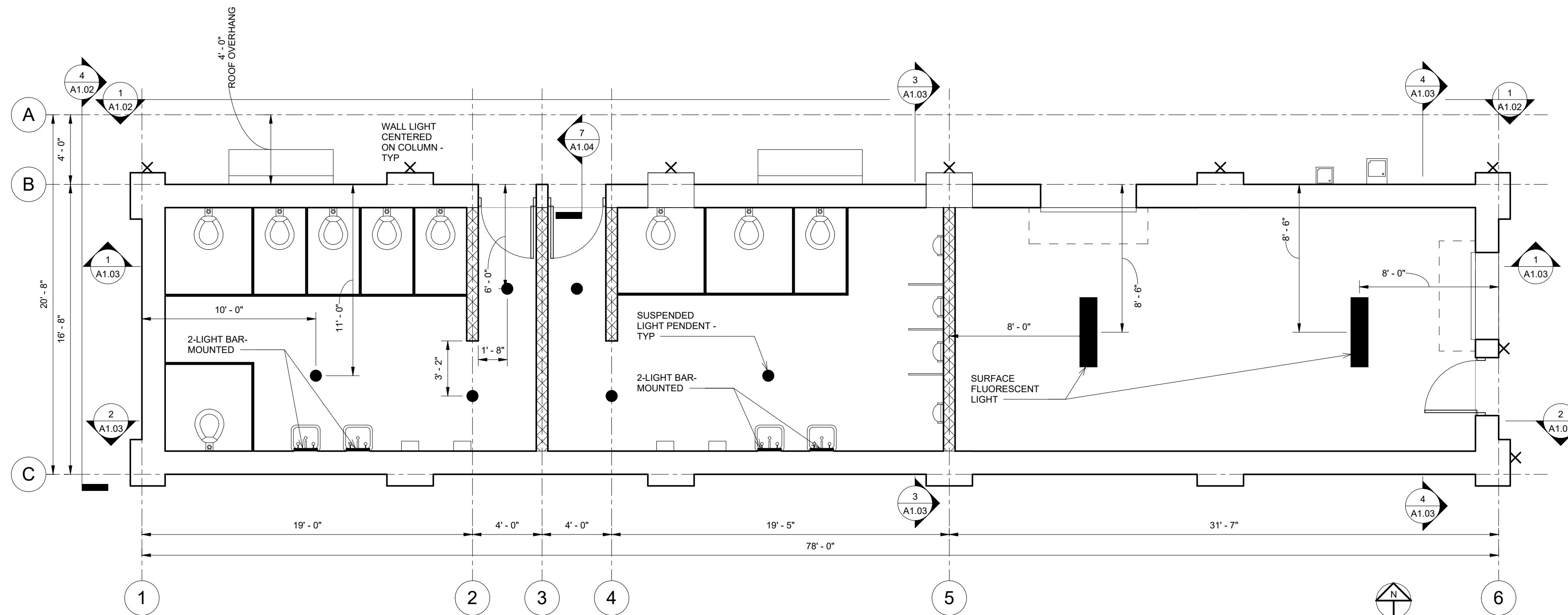
129 S Main St
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SHEET NAME
UTILITY PLAN

SHEET NO.
C2.03



1 PHASE 1 RESTROOM FLOOR PLAN
1/4" = 1'-0"



2 PHASE 1 RESTROOM CEILING PLAN
1/4" = 1'-0"

PROJECT: CEE4850
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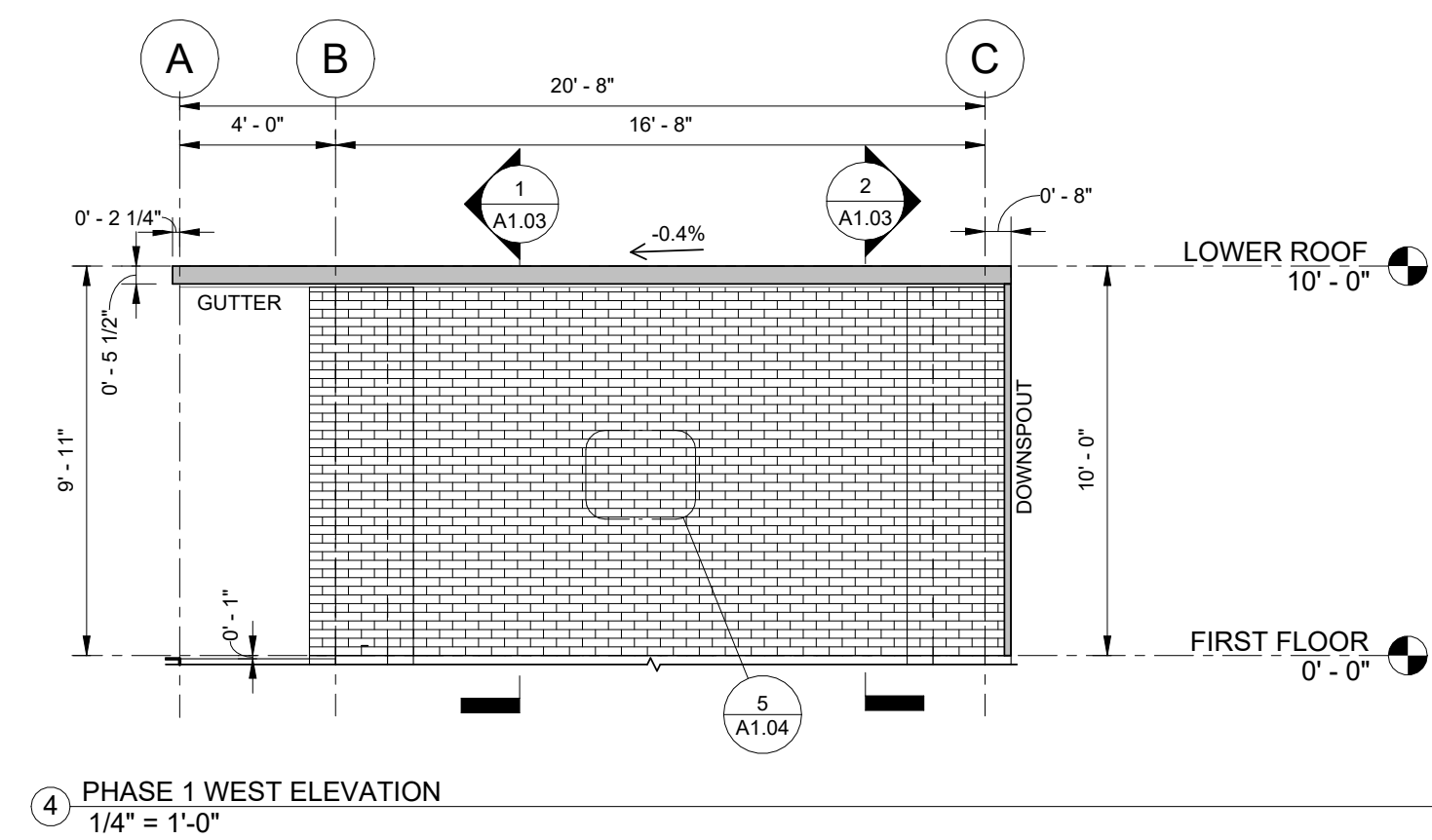
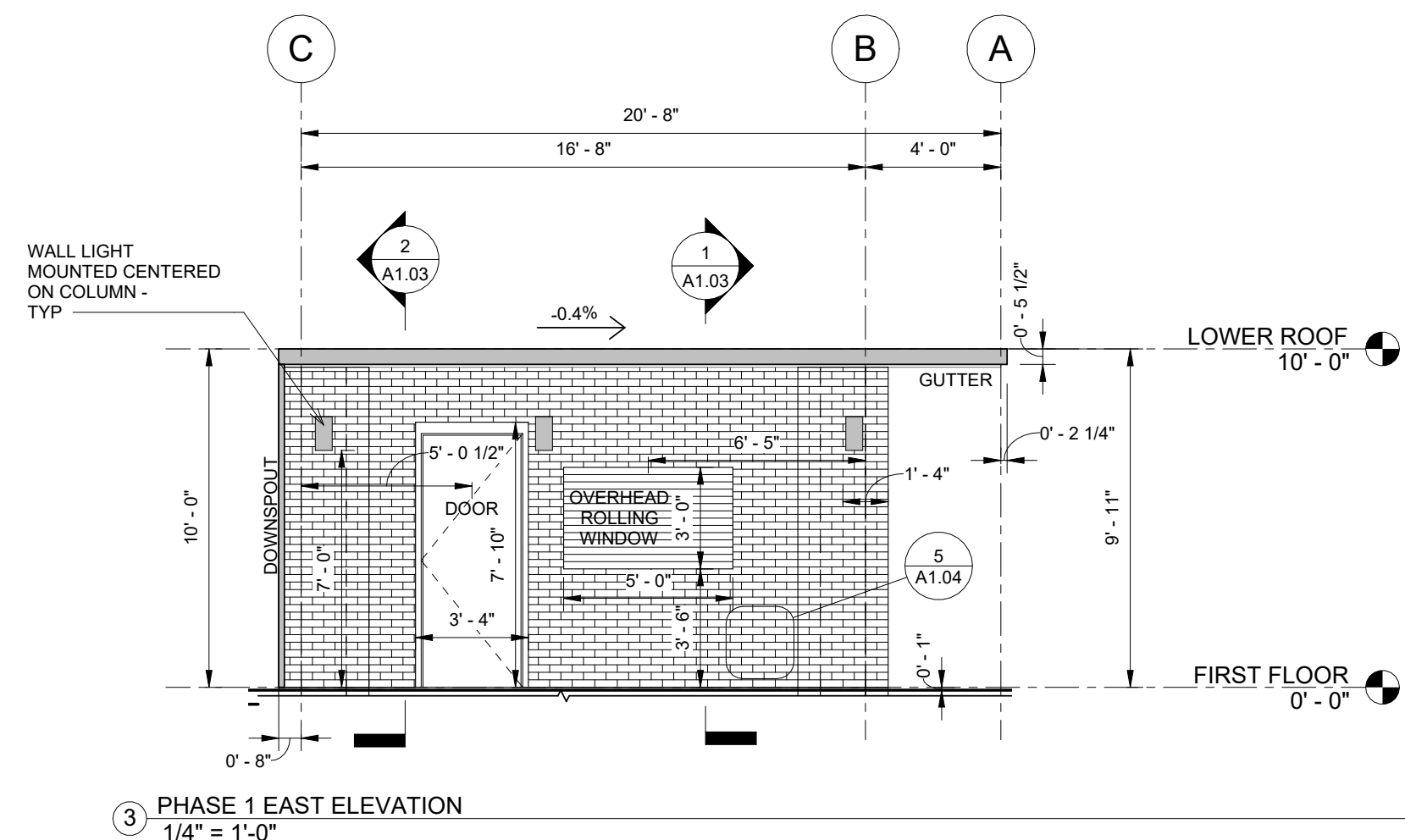
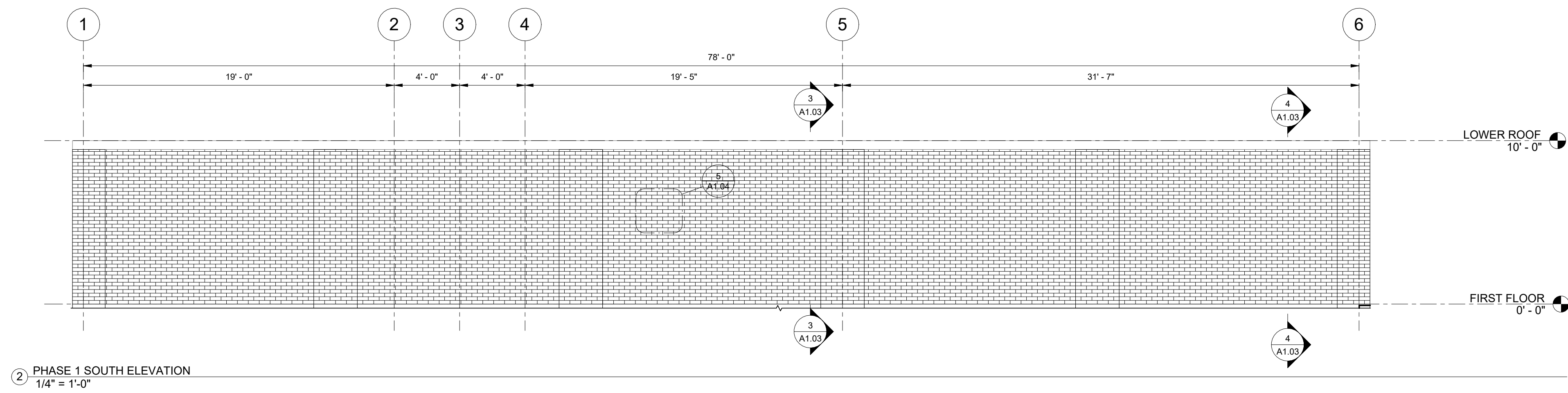
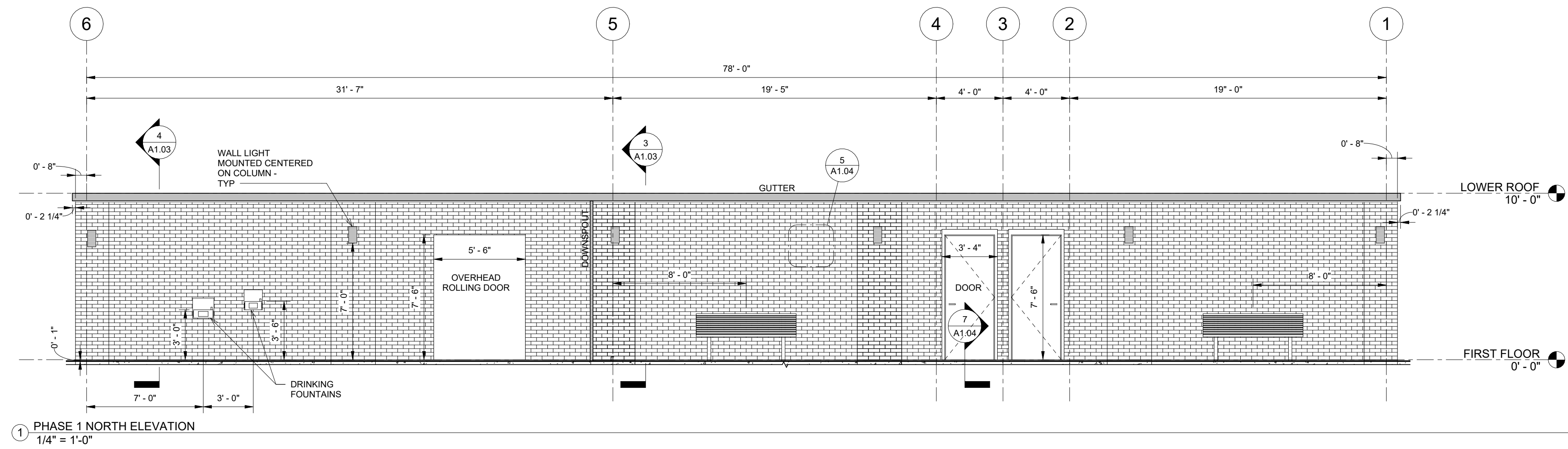
129 S MAIN ST
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SHEET NAME

PHASE 1 RESTROOM
FLOOR AND CEILING
PLAN

SHEET NO.

A1.01



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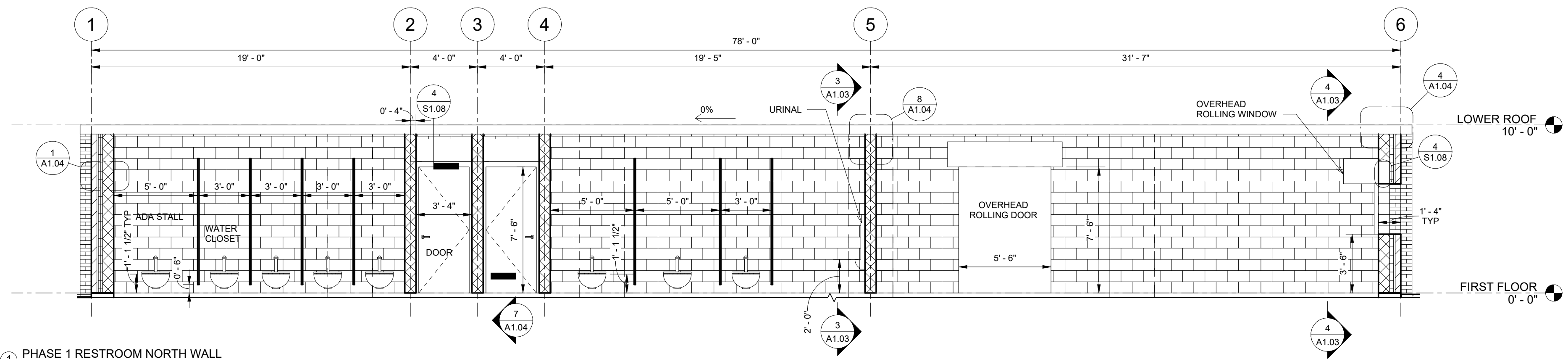
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GREEN SPACE REDEVELOPMENT

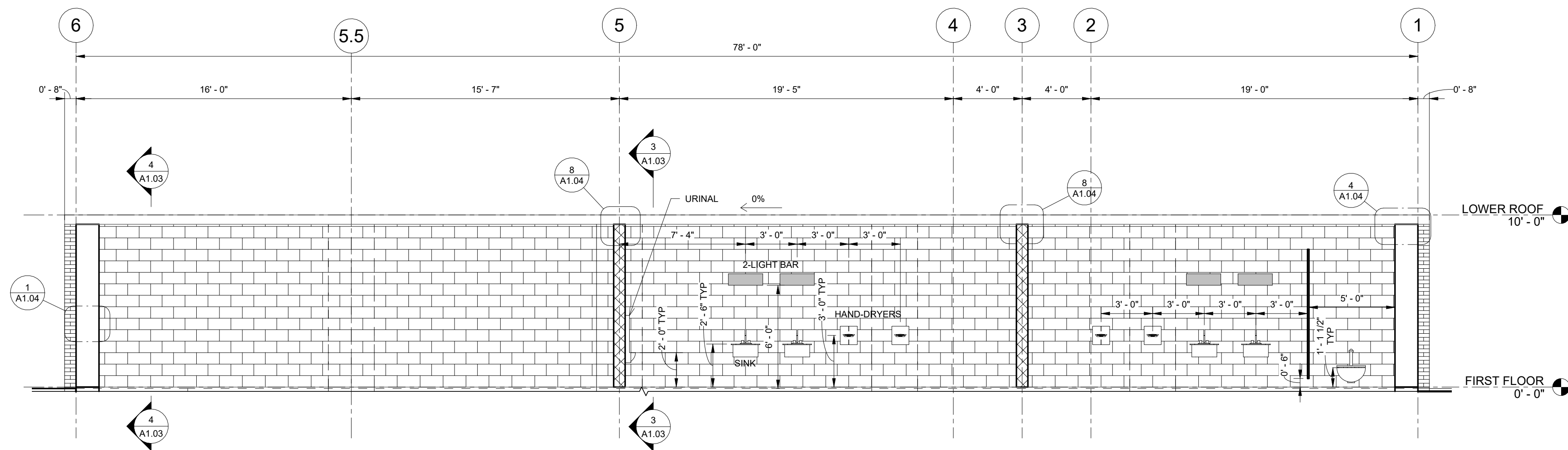
129 S MAIN ST
MAQUOKETA, IA

SHEET NAME
PHASE 1 RESTROOM
EXTERIOR ELEVATIONS

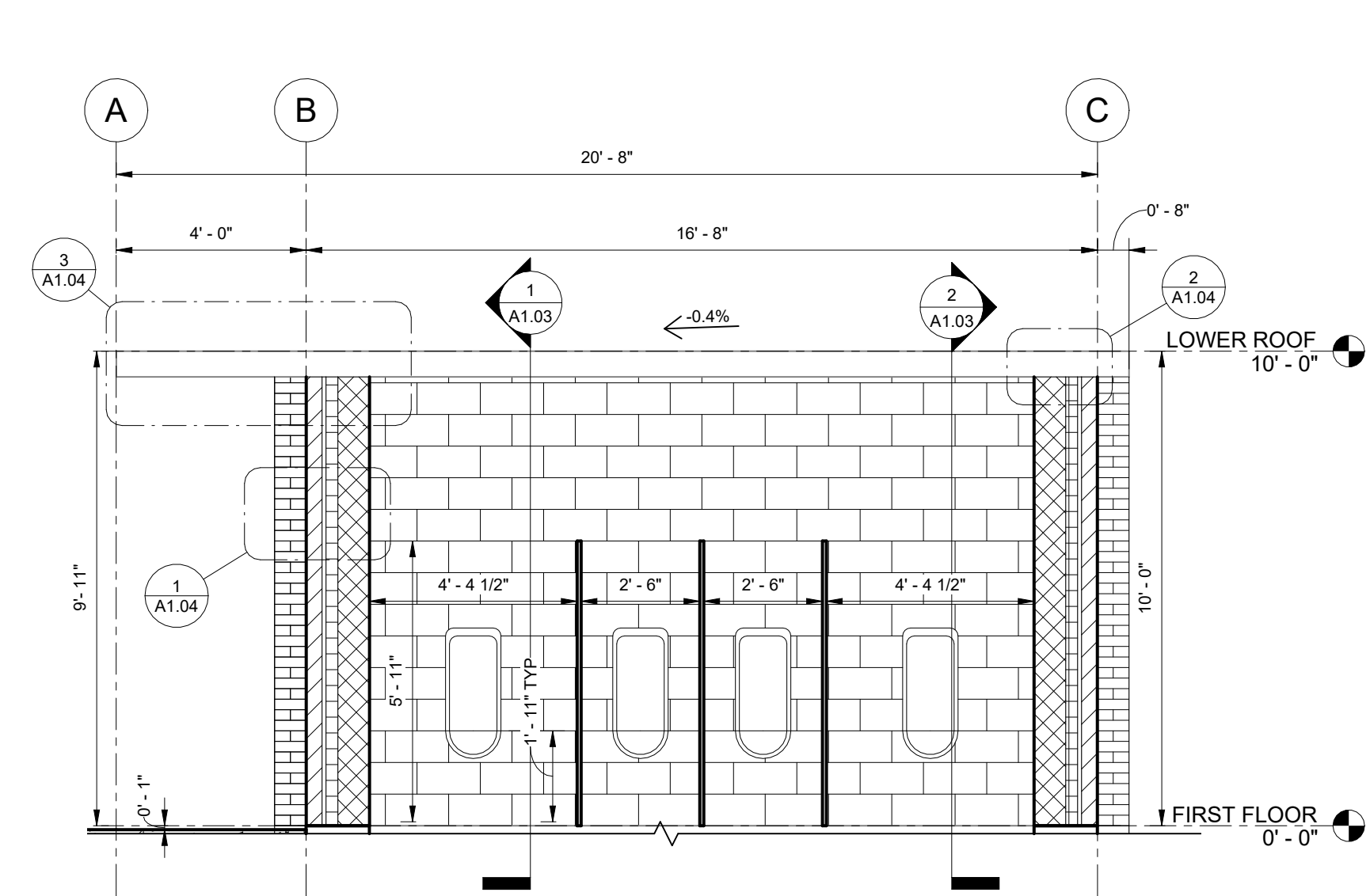
SHEET NO.
A1.02



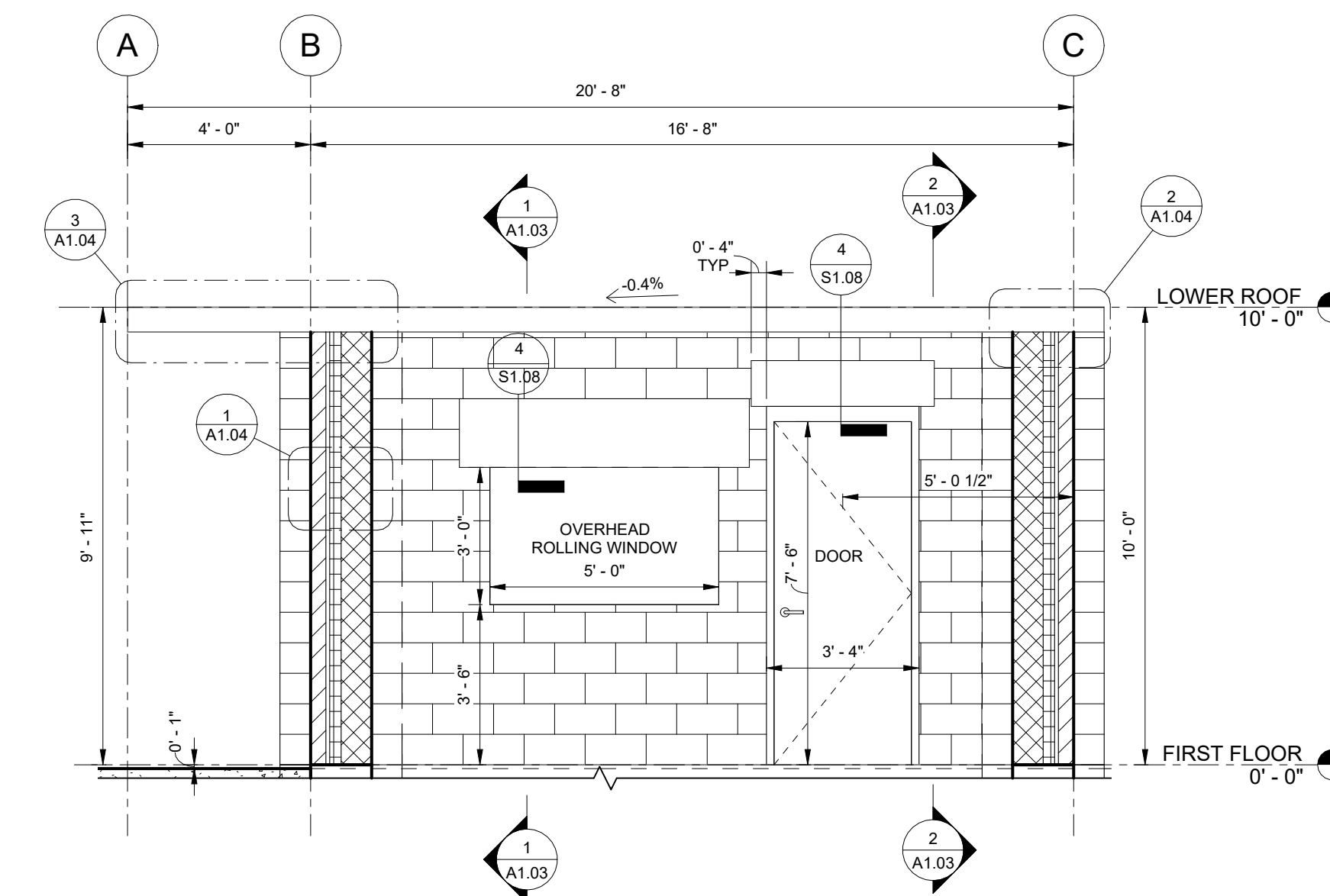
1 PHASE 1 RESTROOM NORTH WALL
1/4" = 1'-0"



2 PHASE 1 RESTROOM SOUTH WALL
1/4" = 1'-0"



3 PHASE 1 MEN'S RESTROOM EAST WALL
3/8" = 1'-0"



4 PHASE 1 STORAGE EAST WALL
3/8" = 1'-0"

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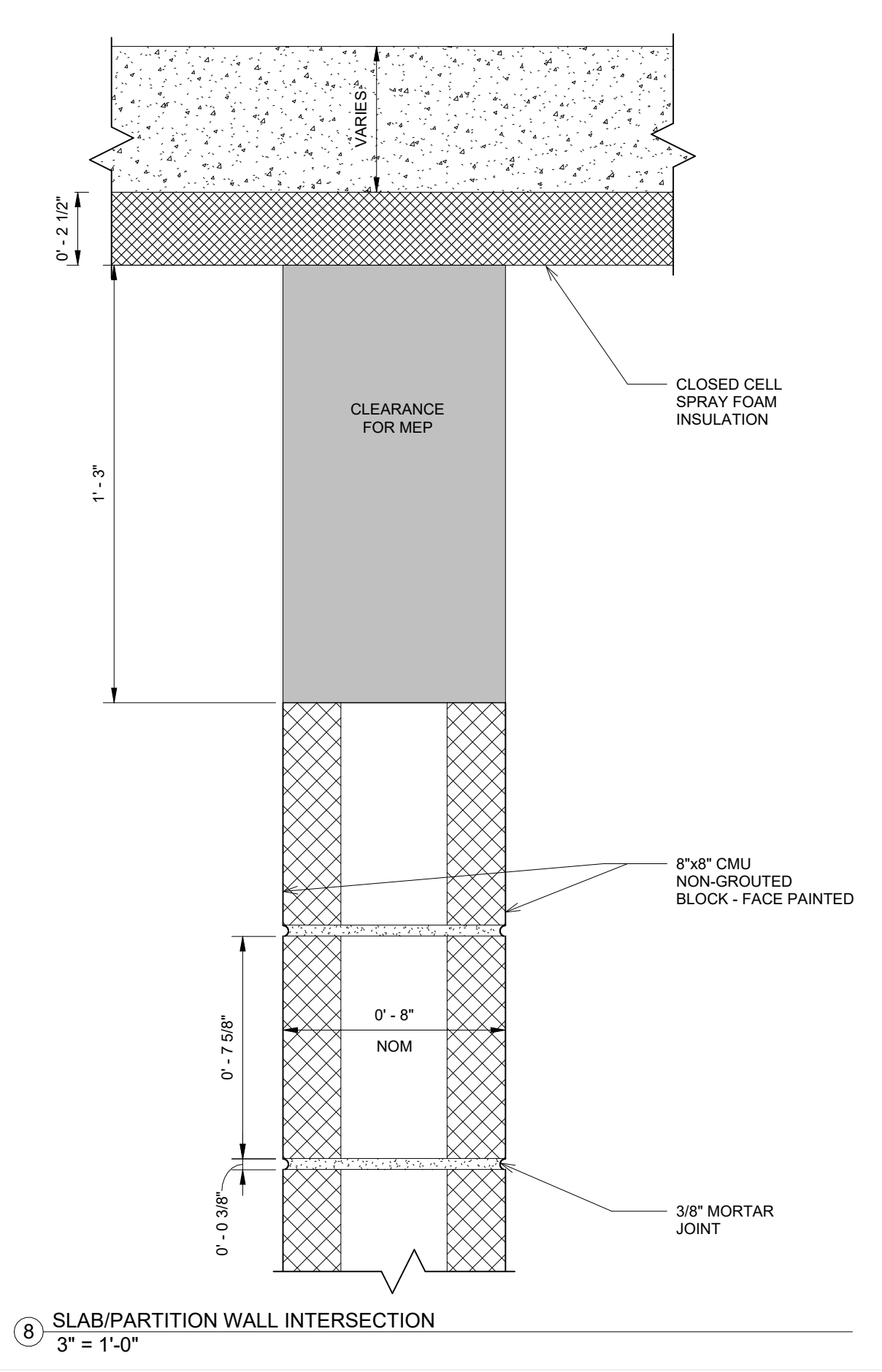
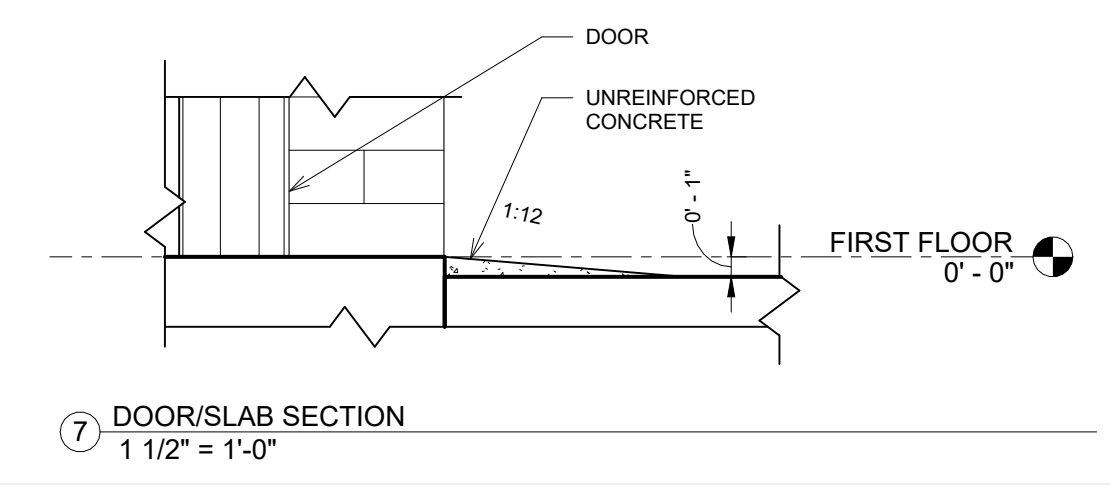
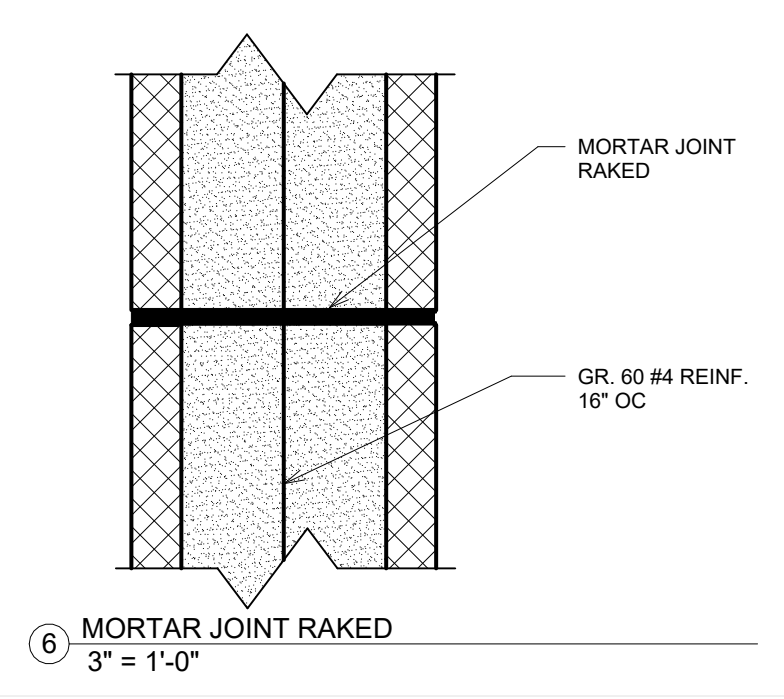
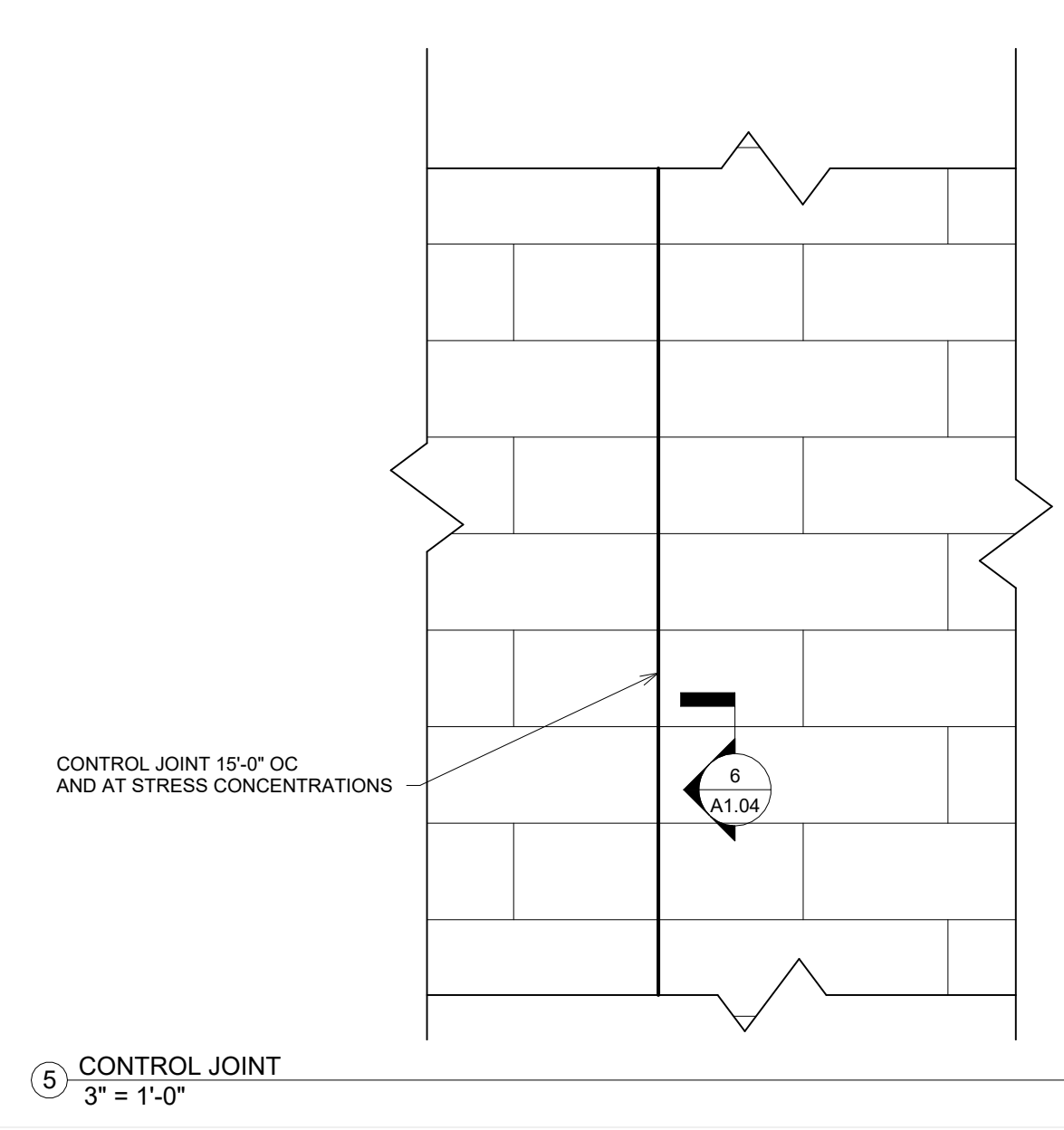
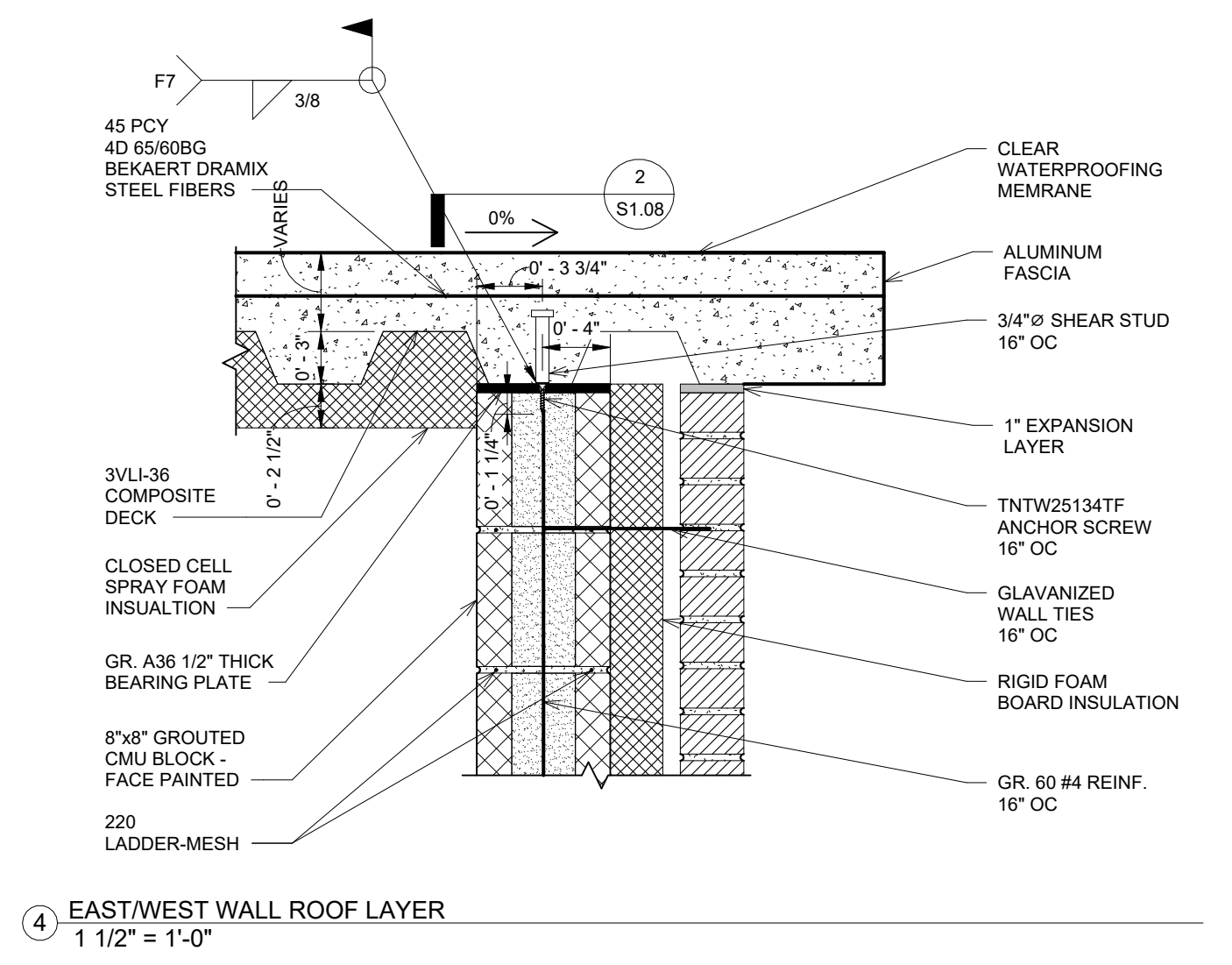
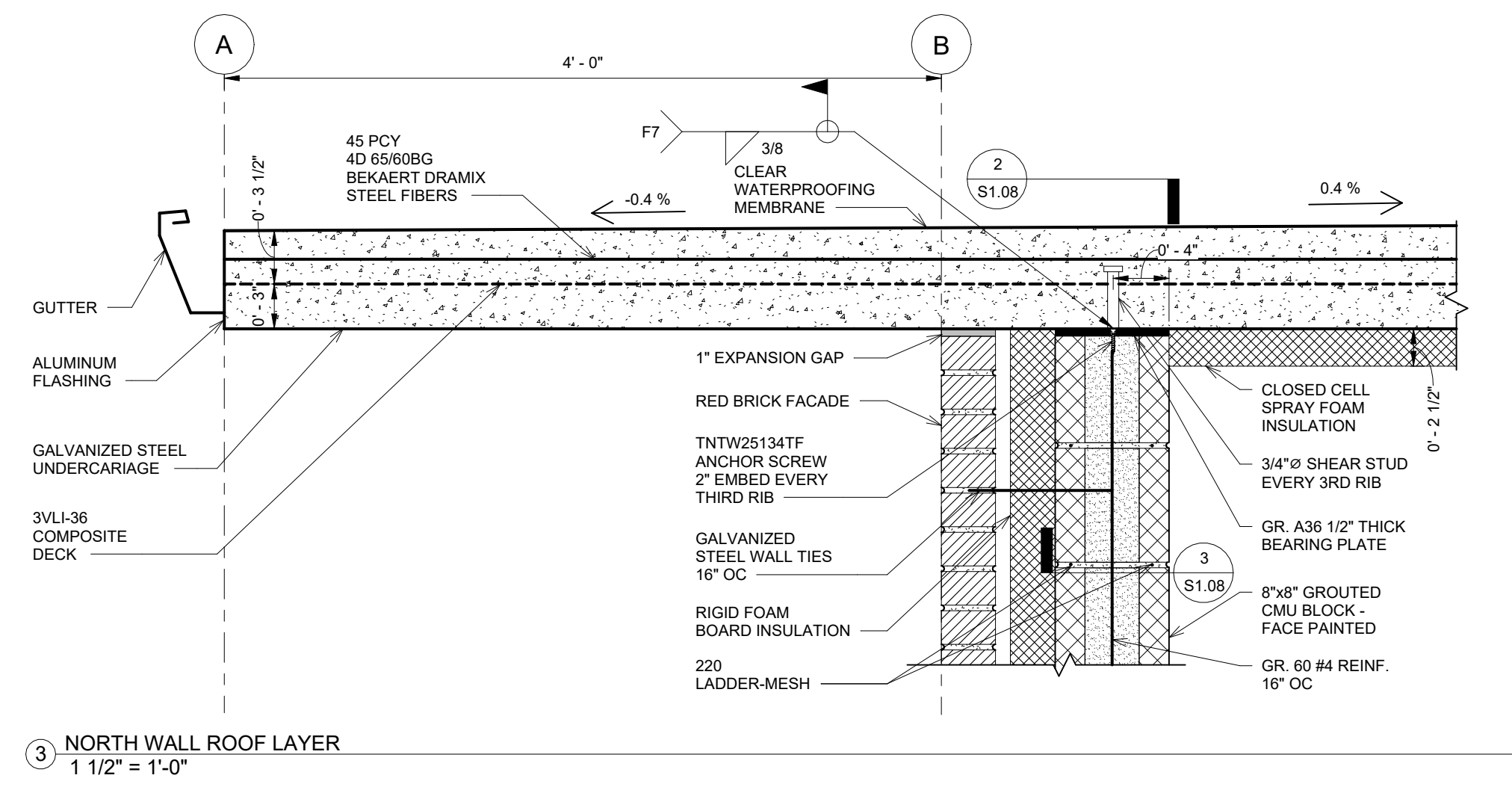
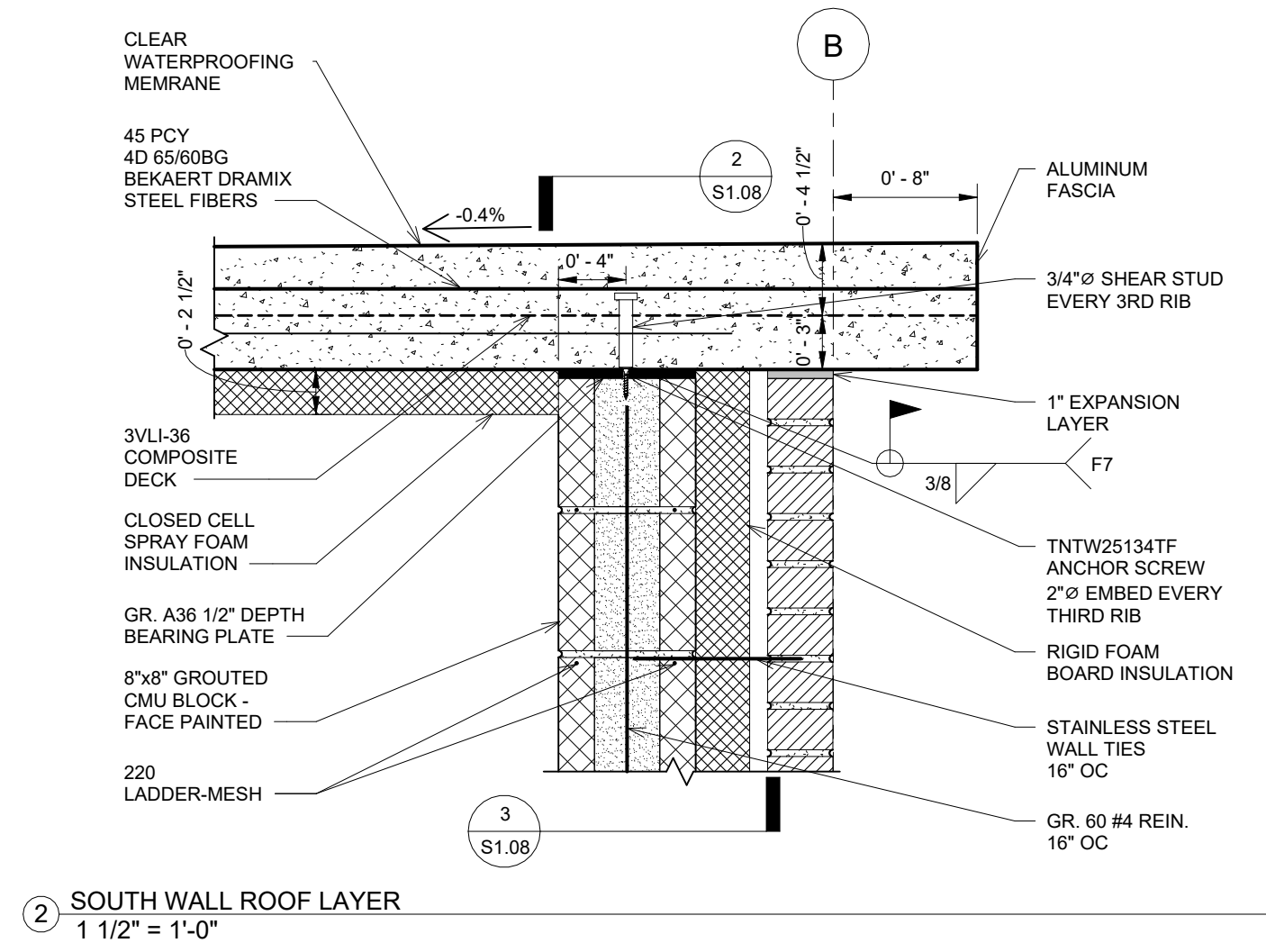
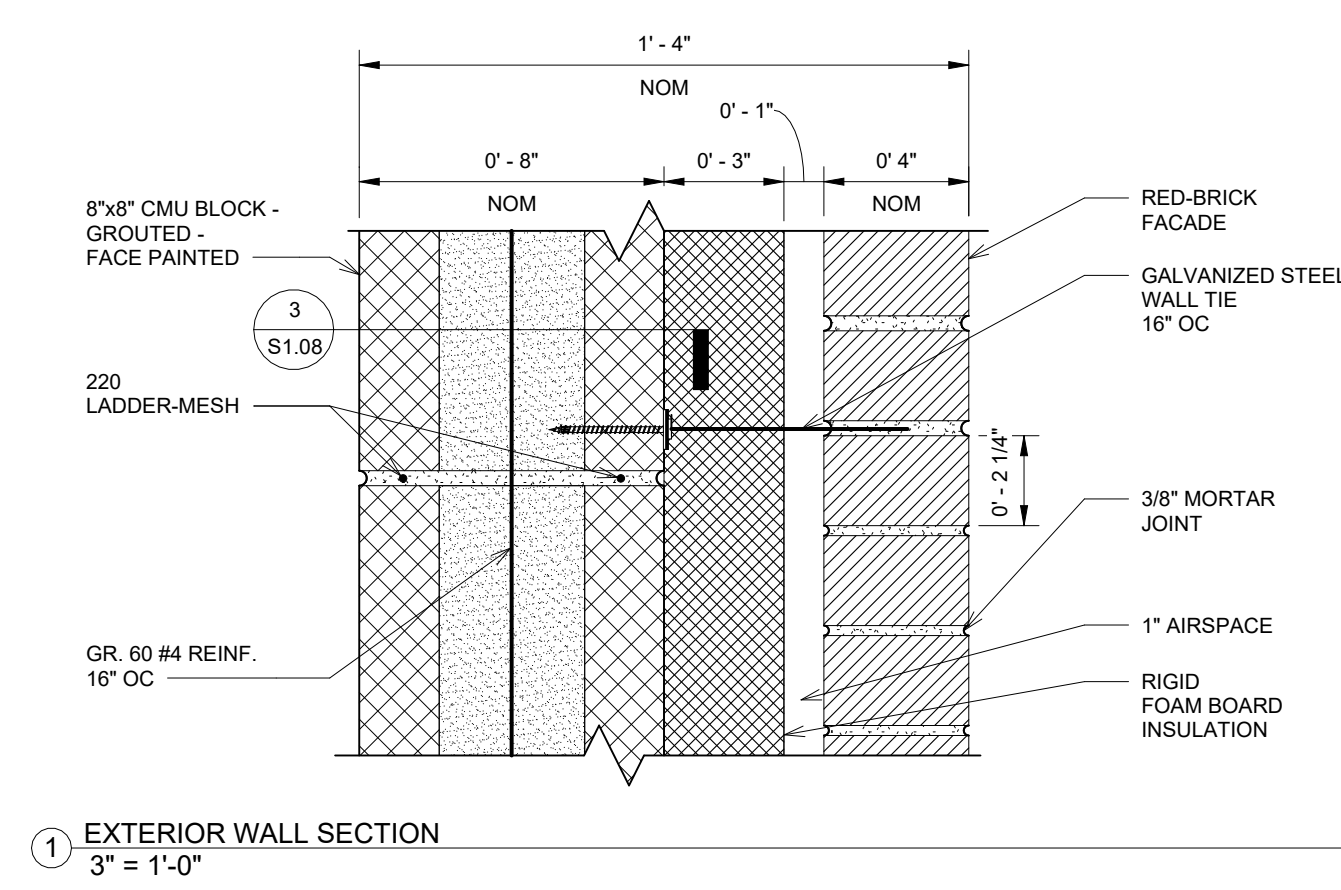
GREEN SPACE REDEVELOPMENT

129 S MAIN ST
MAQUOKETA, IA

SHEET NAME
PHASE 1 RESTROOM
INTERIOR SECTIONS

SHEET NO.

A1.03



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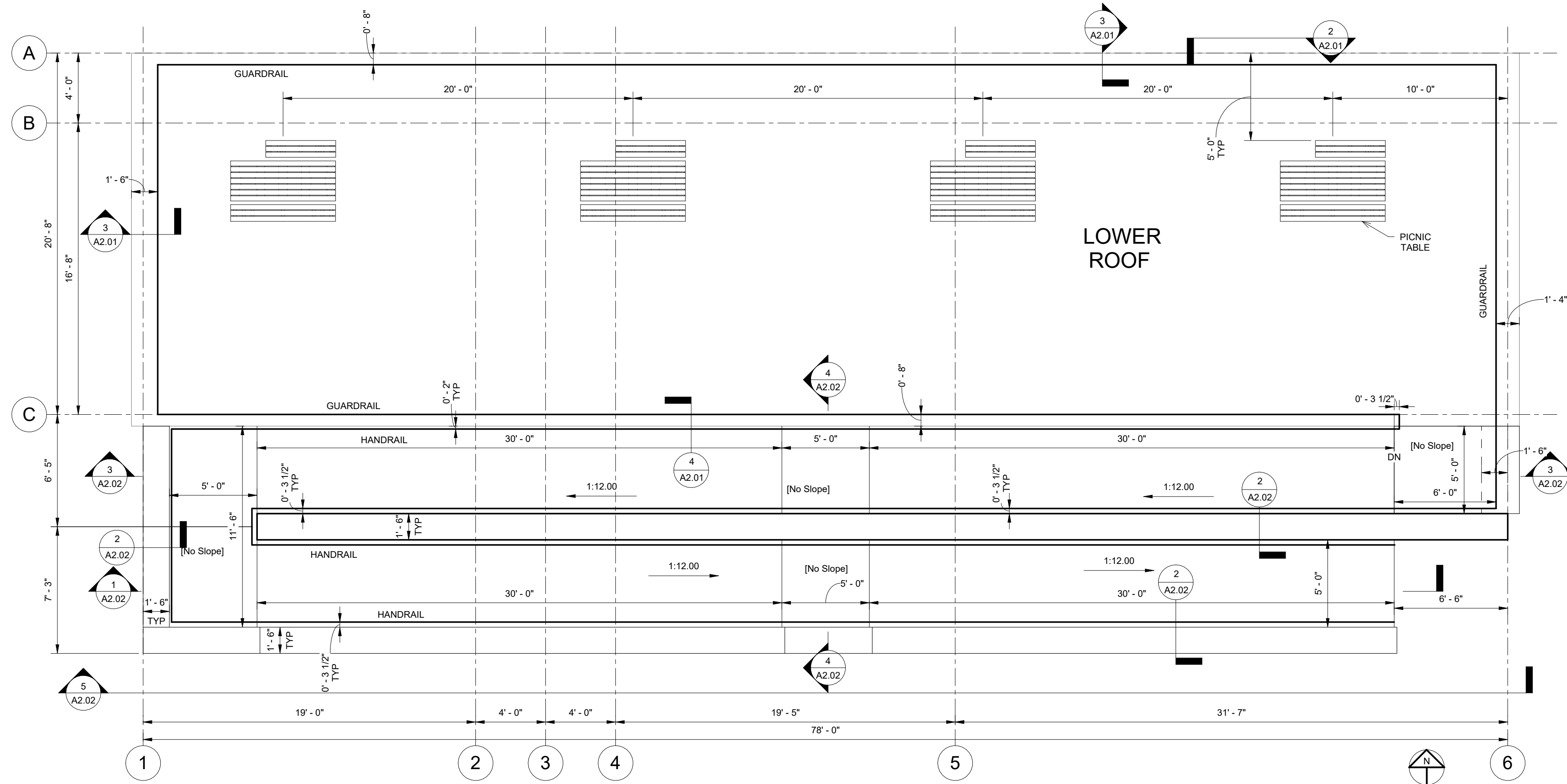
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GREEN SPACE REDEVELOPMENT

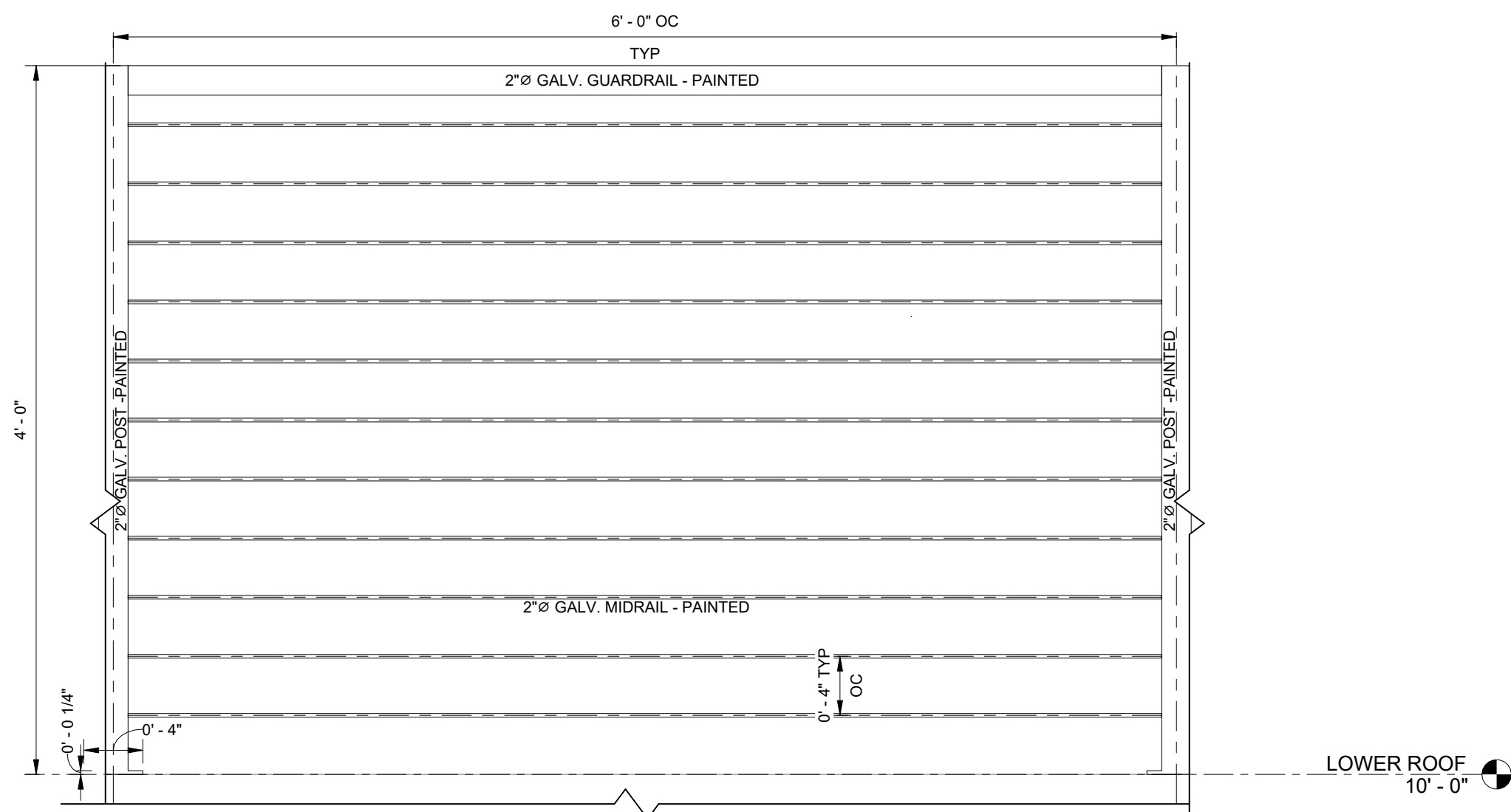
SHEET NAME
 PHASE 1 RESTROOM WALL SECTIONS AND DETAILS
 SHEET NO.

A1.04

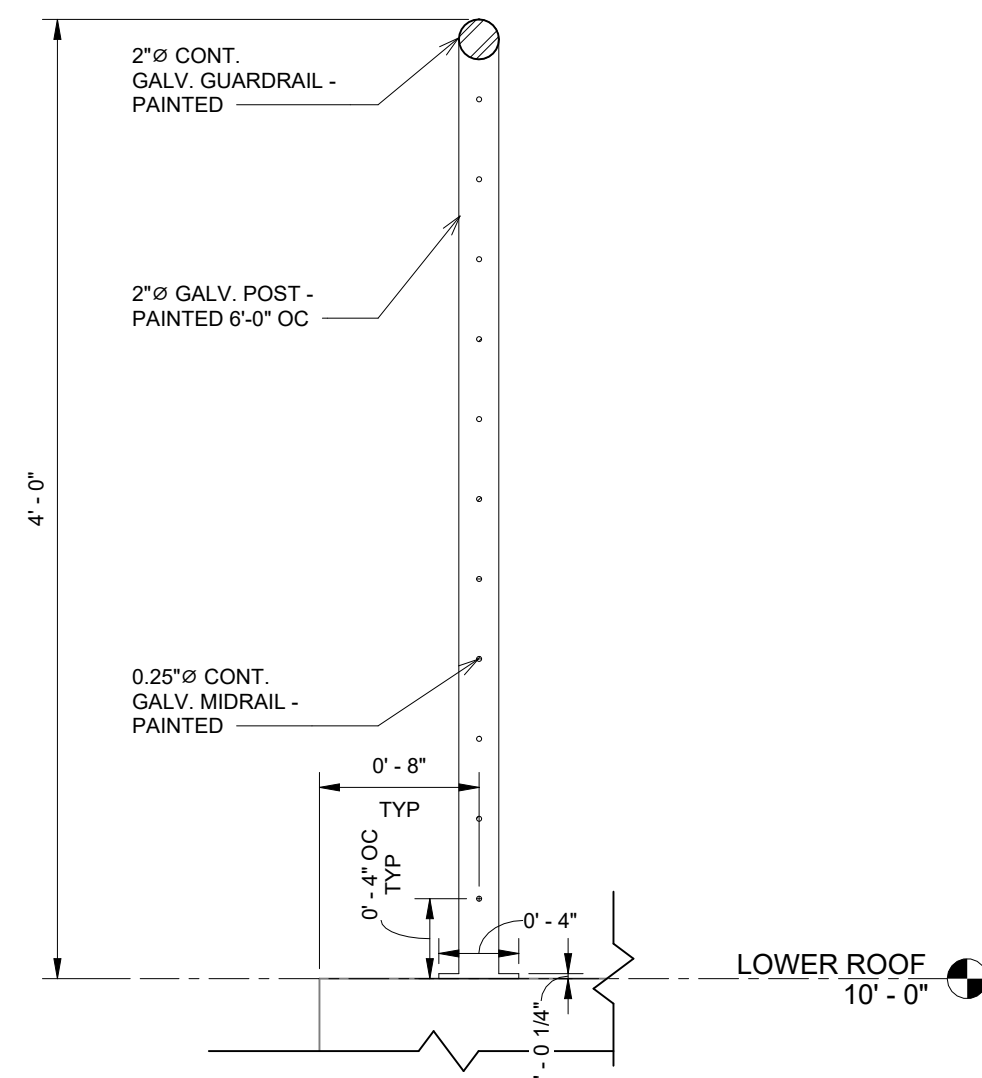
129 S MAIN ST
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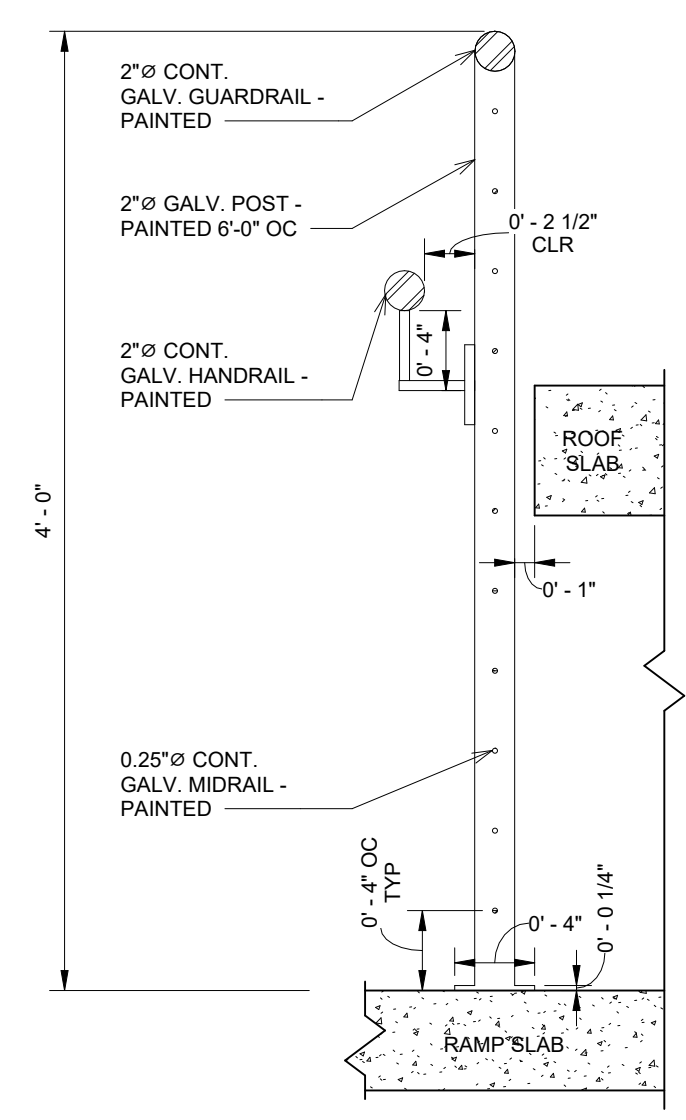
1 PHASE 2 ROOF AND RAMP PLAN
1/4" = 1'-0"



2 RESTROOM ROOF RAILING ELEVATION
1 1/2" = 1'-0"



3 RESTROOM ROOF RAILING SECTION
1 1/2" = 1'-0"



4 RAMP RAILING SECTION
1 1/2" = 1'-0"

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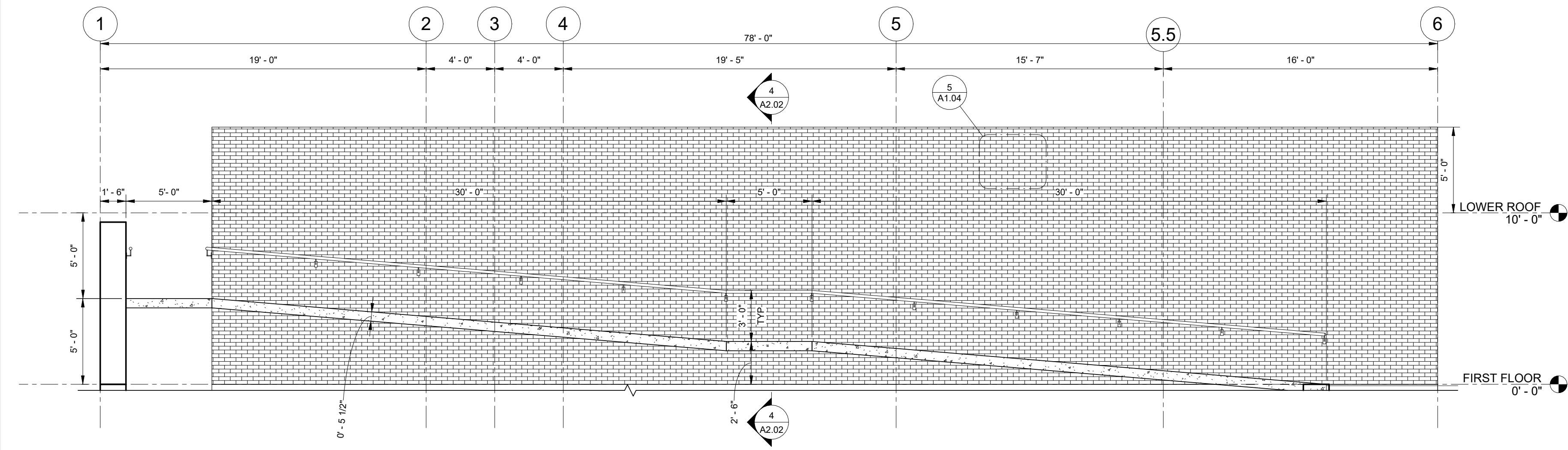
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GREEN SPACE REDEVELOPMENT

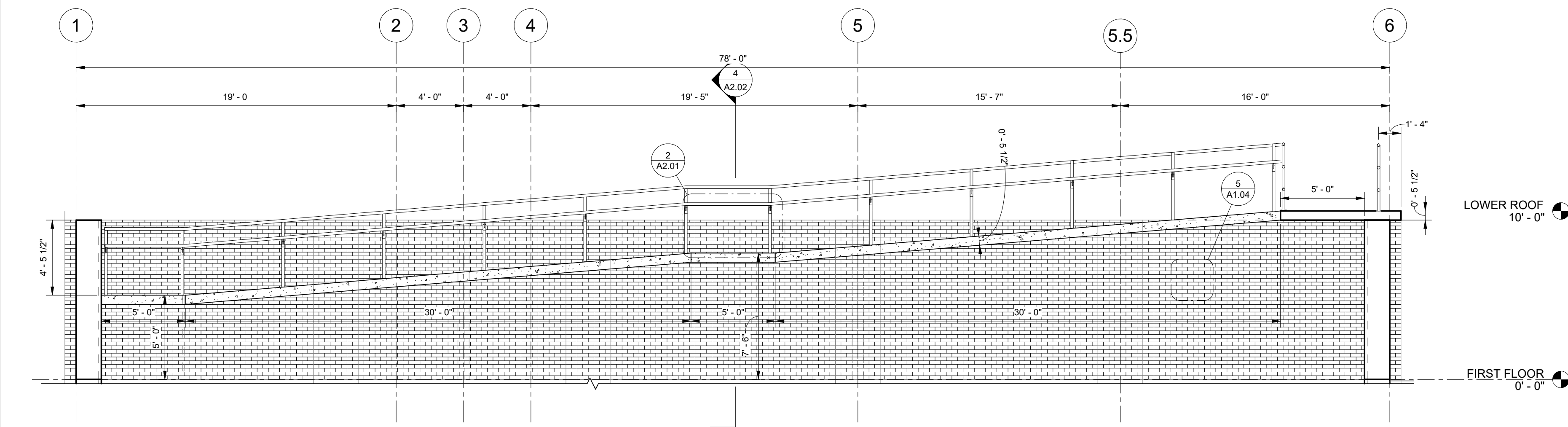
129 S MAIN ST
MAQUOKETA, IA

SHEET NAME
PHASE 2 RESTROOM
ROOF AND RAMP PLAN

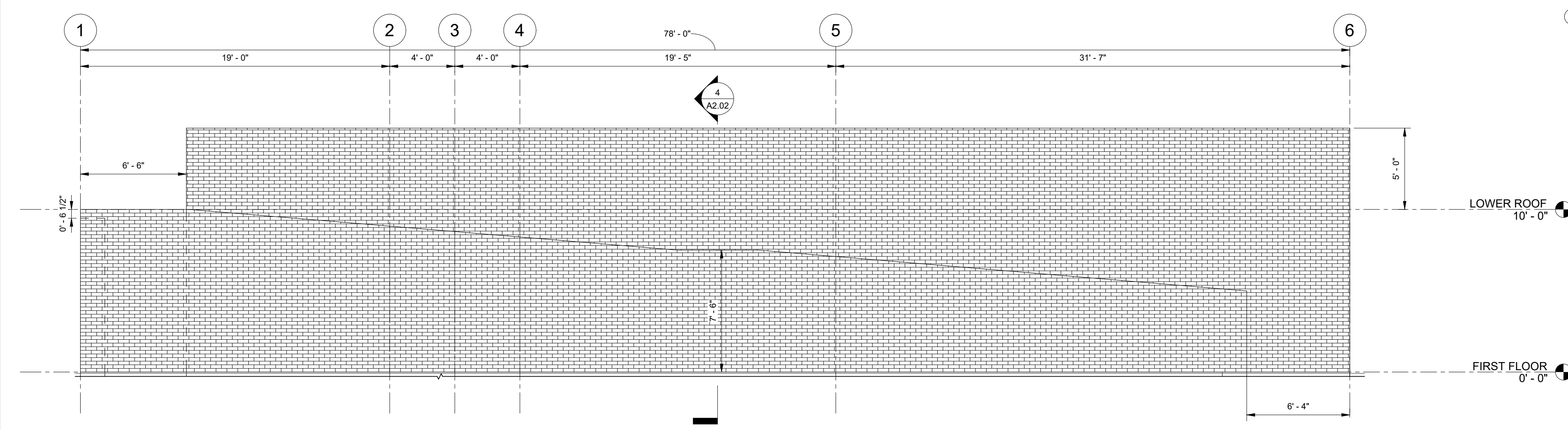
SHEET NO.
A2.01



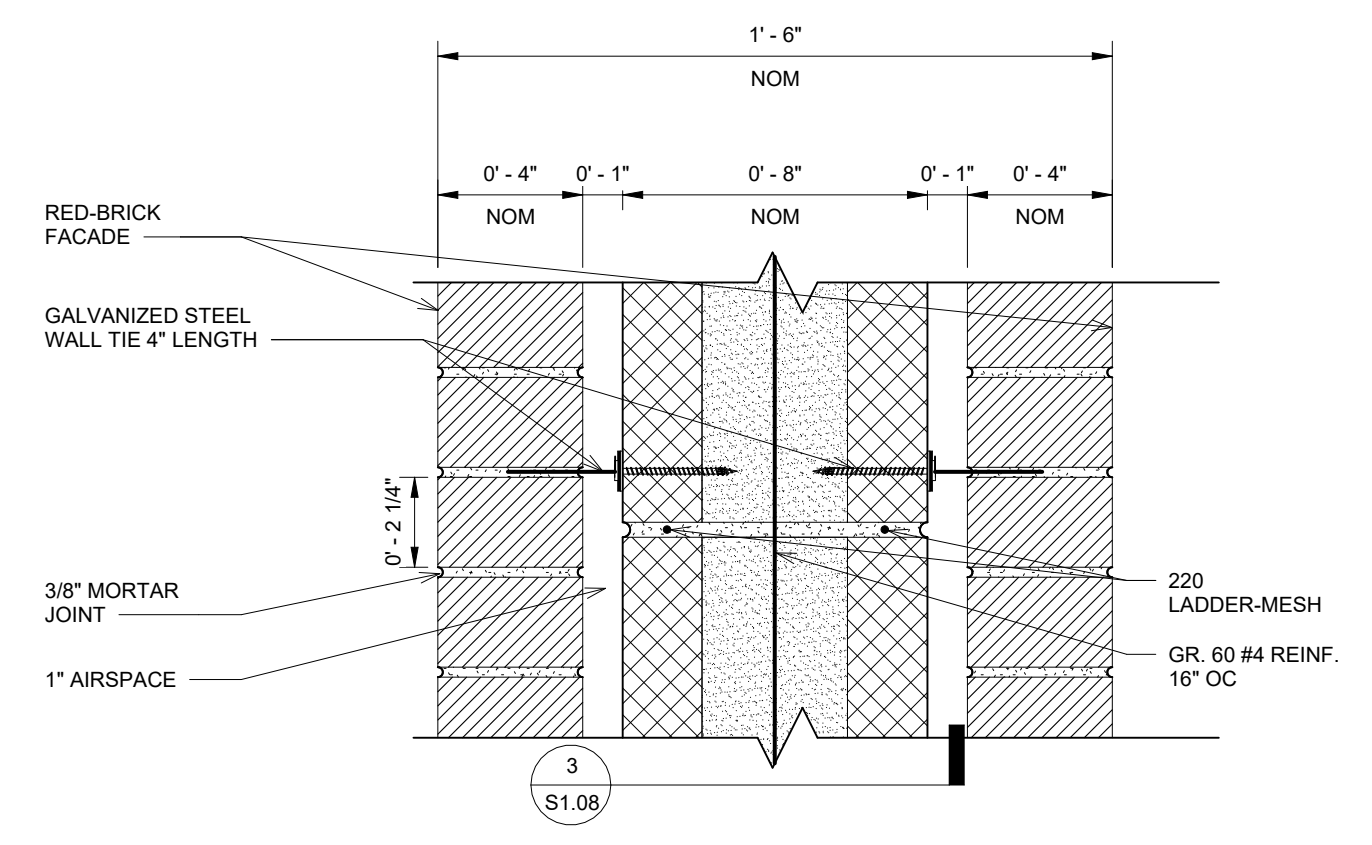
1 PHASE 2 RAMP ELEVATION LEG 1
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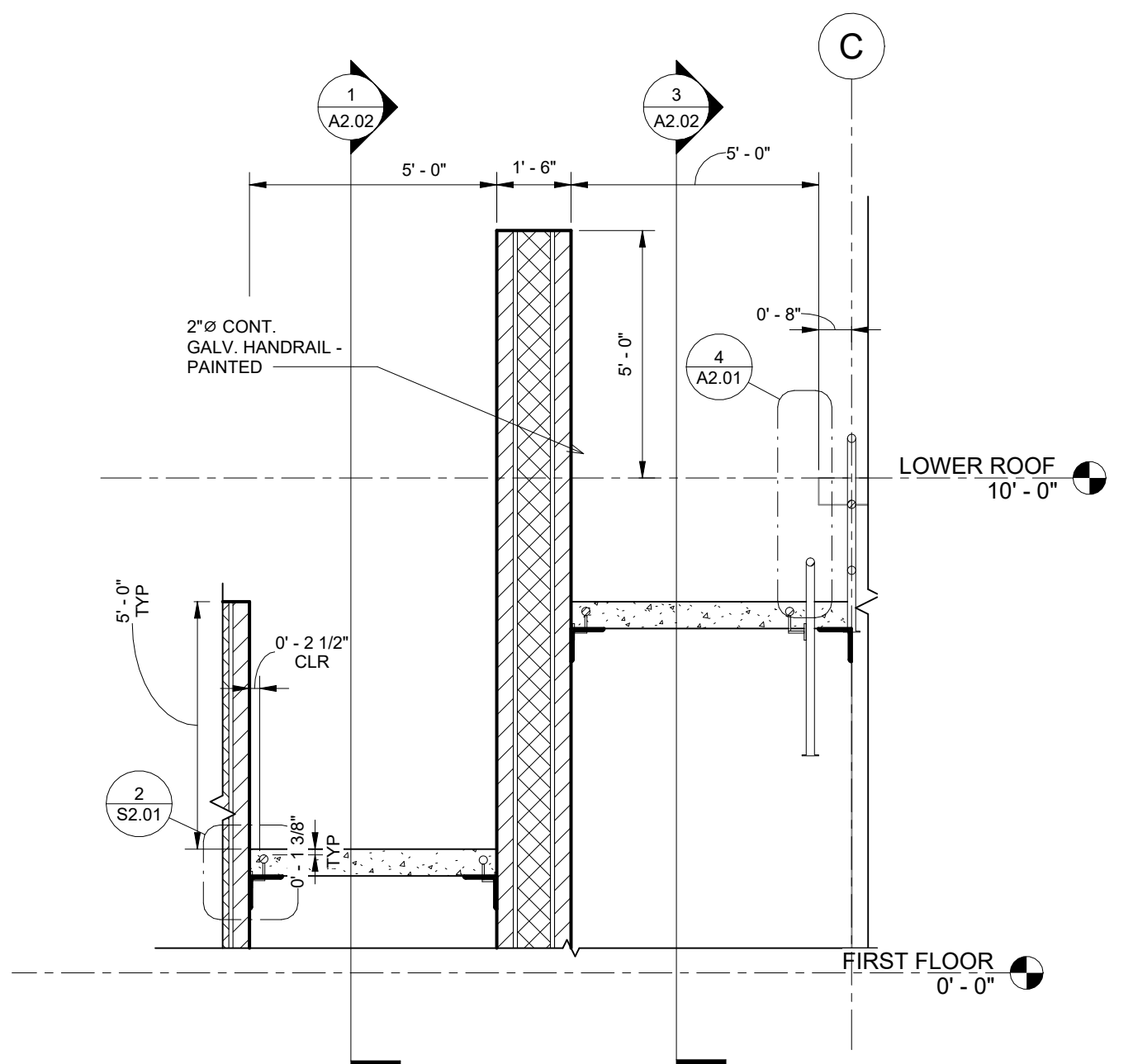
3 PHASE 2 RAMP ELEVATION LEG 2
1/4" = 1'-0"



5 PHASE 2 RAMP WALL ELEVATION
1/4" = 1'-0"



2 RAMP WALL SECTION
3" = 1'-0"



4 PHASE 2 LANDING SECTION
3/8" = 1'-0"

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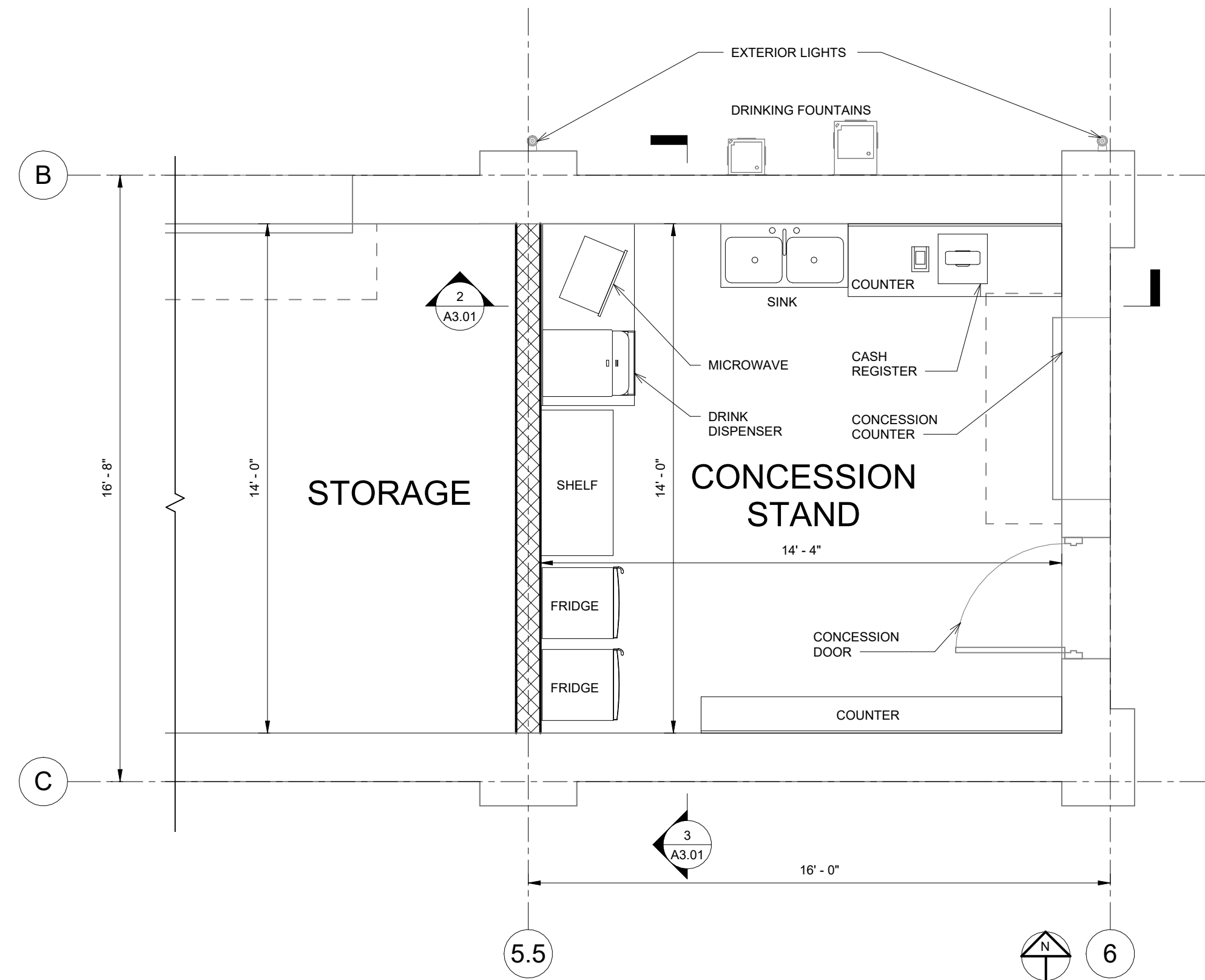
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GREEN SPACE REDEVELOPMENT

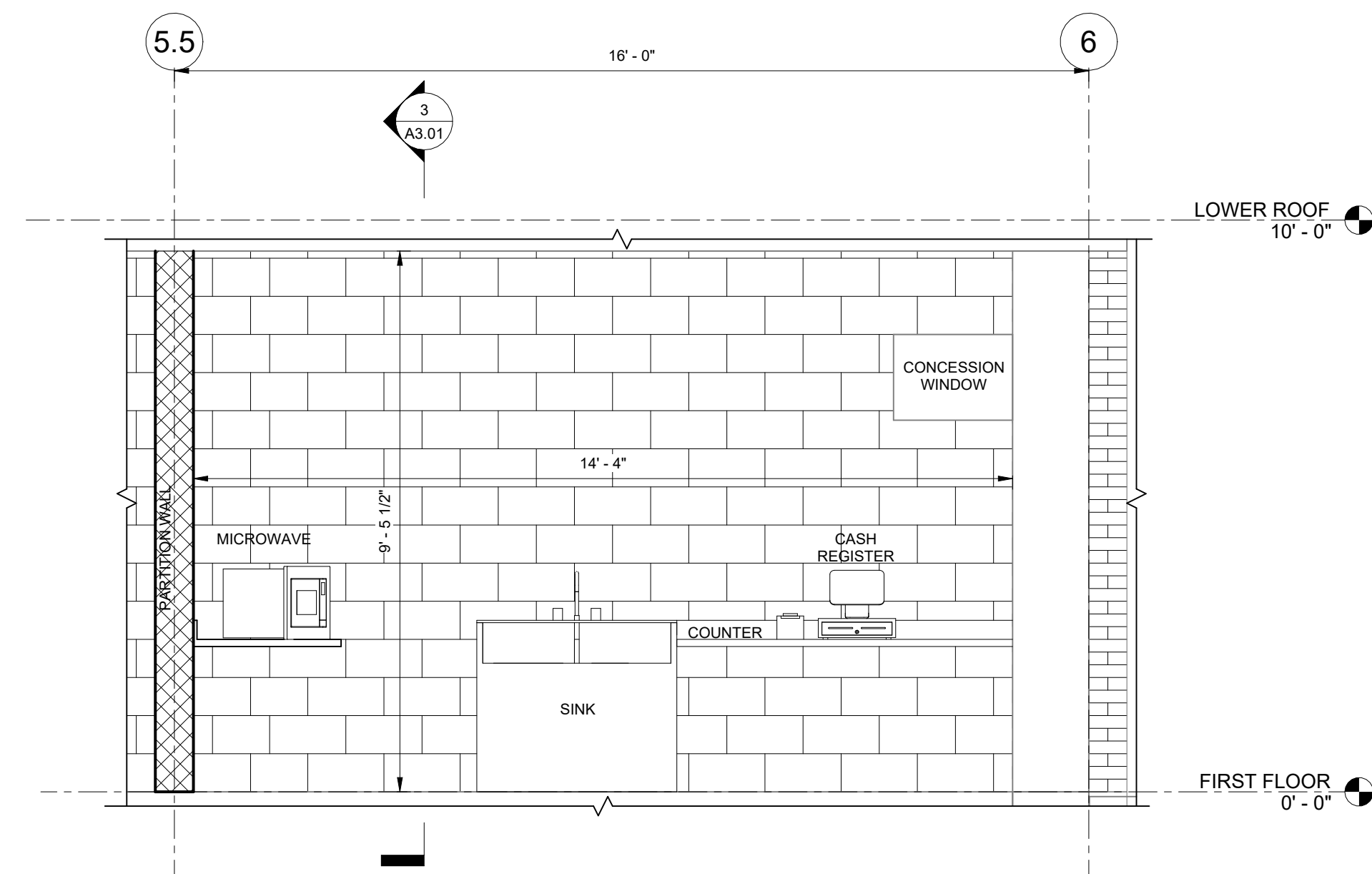
129 S MAIN ST
MAQUOKETA, IA

SHEET NAME
PHASE 2 RAMP
ELEVATIONS AND
SECTIONS

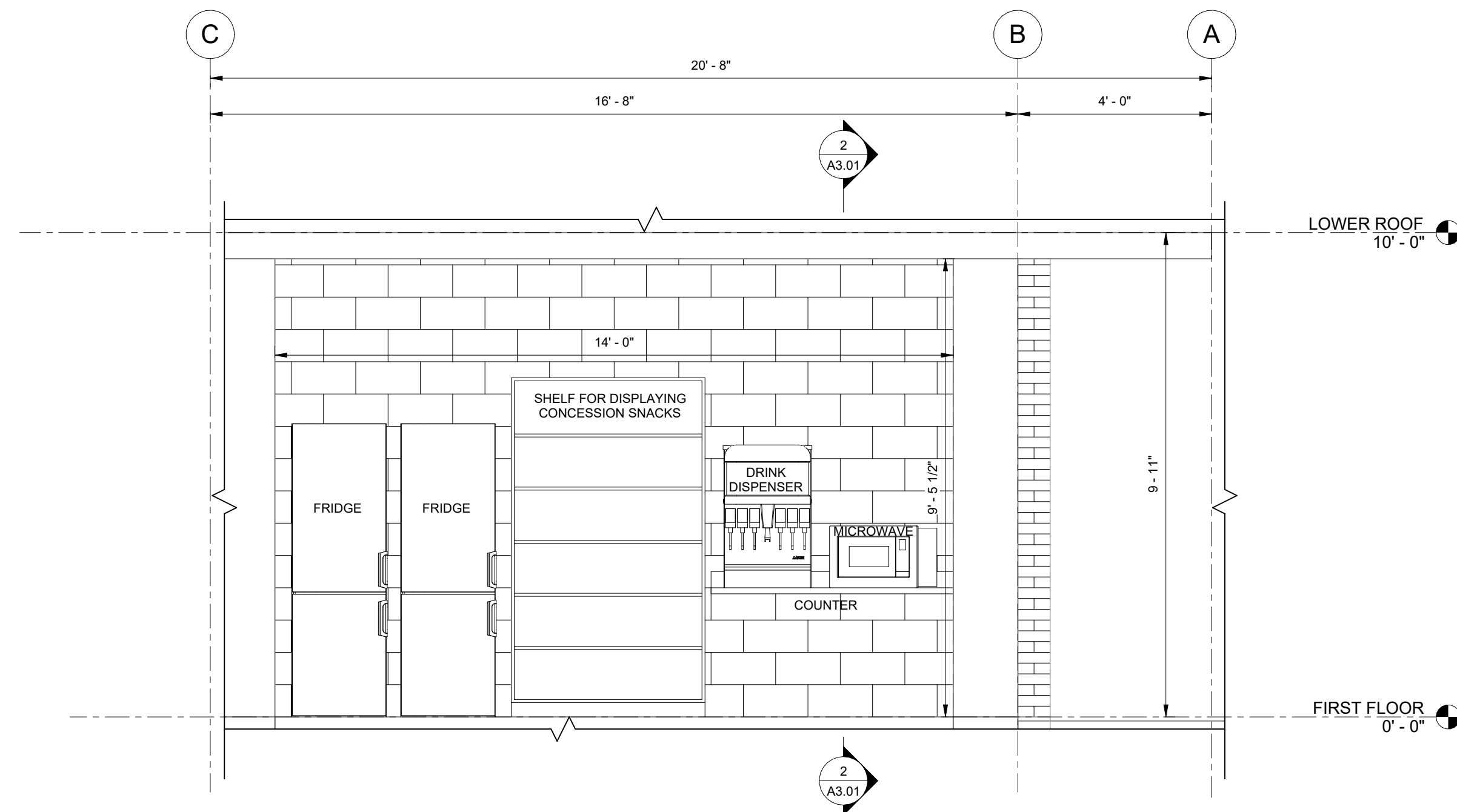
SHEET NO.
A2.02



1 PHASE 3 CONCESSION FLOOR PLAN
3/8" = 1'-0"



2 PHASE 3 CONCESSION NORTH WALL
1/2" = 1'-0"



3 PHASE 3 CONCESSION WEST WALL
1/2" = 1'-0"

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GREEN SPACE REDEVELOPMENT

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MAQUOKETA, IA

SHEET NAME

PHASE 3 CONCESSION
STAND PLAN AND
INTERIOR ELEVATIONS

SHEET NO.

A3.01

GENERAL NOTES:

1. GOVERNING BUILDING CODE AND SPECIFICATIONS: 2018 INTERNATIONAL BUILDING CODE (IBC) INCORPORATING 2022 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7) AND 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS).

2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF ITEMS.

3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SHOP DRAWINGS, AND SPECIFICATIONS.

4. UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.

5. CHAMPAIGN APARTMENT BUILDING LOADS USED IN DESIGN; GOVERNING DESIGN CODE IS THE 2021 IBC INCORPORATING ASCE 7 AND NDS 2018.

6. THE ELEVATION 707'-6" CORRESPONDS TO 0'-0" IN THE PLANS

A. RISK CATEGORY: II

B. LIVE LOADS

- a. STAGE LIVE LOAD: 150 PSF
- b. BATHROOM FLOOR LIVE LOAD: 60 PSF
- c. BATHROOM OCCUPIABLE ROOF LIVE LOAD: 100 PSF
- d. RAMP LIVE LOAD: 100 PSF

C. DEAD LOADS

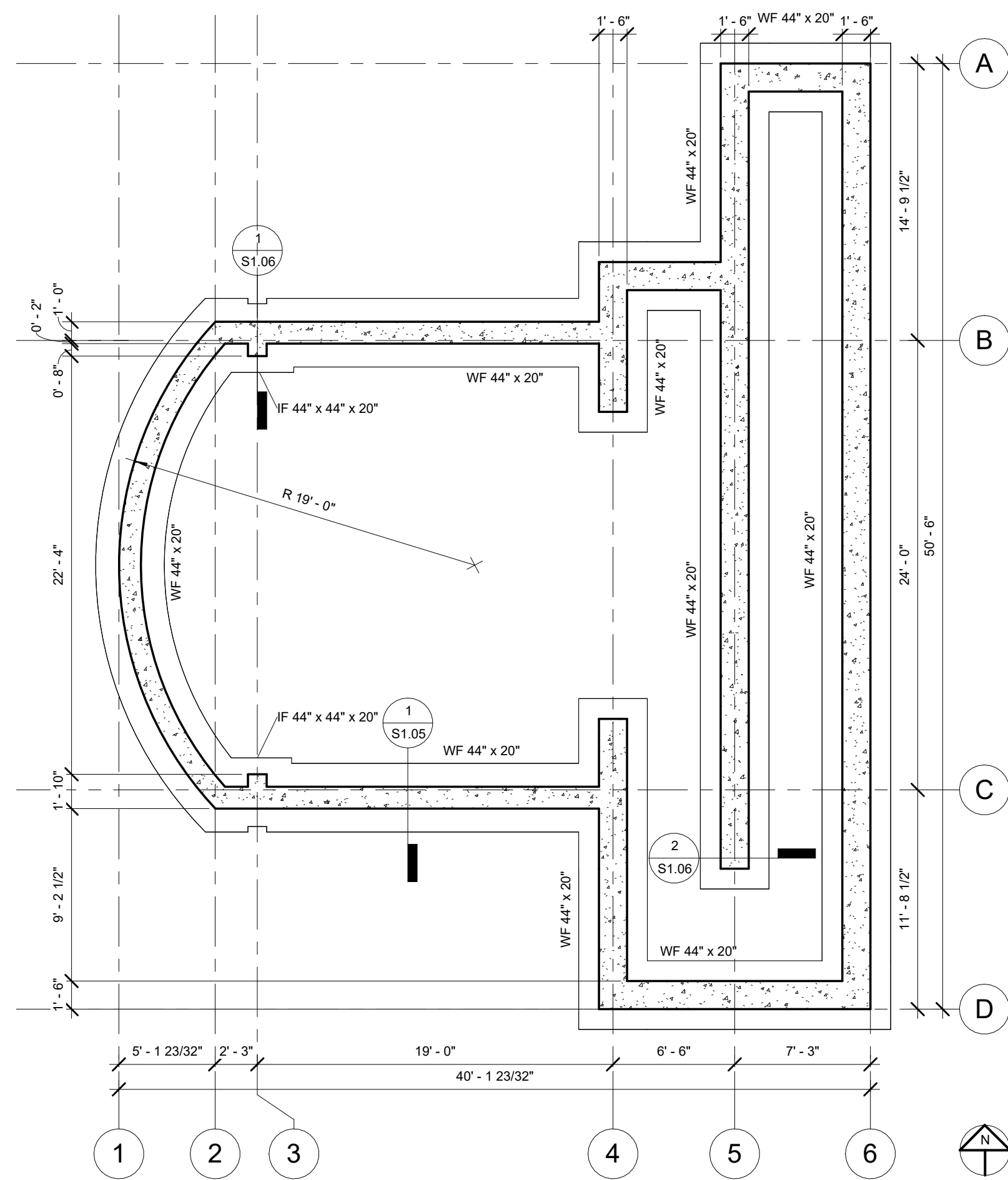
- a. STAGE ROOF DEAD LOAD: 3 PSF
- b. BATHROOM OCCUPIABLE ROOF DEAD LOAD (PHASE 2): 75 PSF
- c. RAMP DEAD LOAD (PHASE 2): 52.5 PSF
- d. BATHROOM ROOF DEAD LOAD (PHASE 3): 3 PSF

D. WIND DESIGN DATA

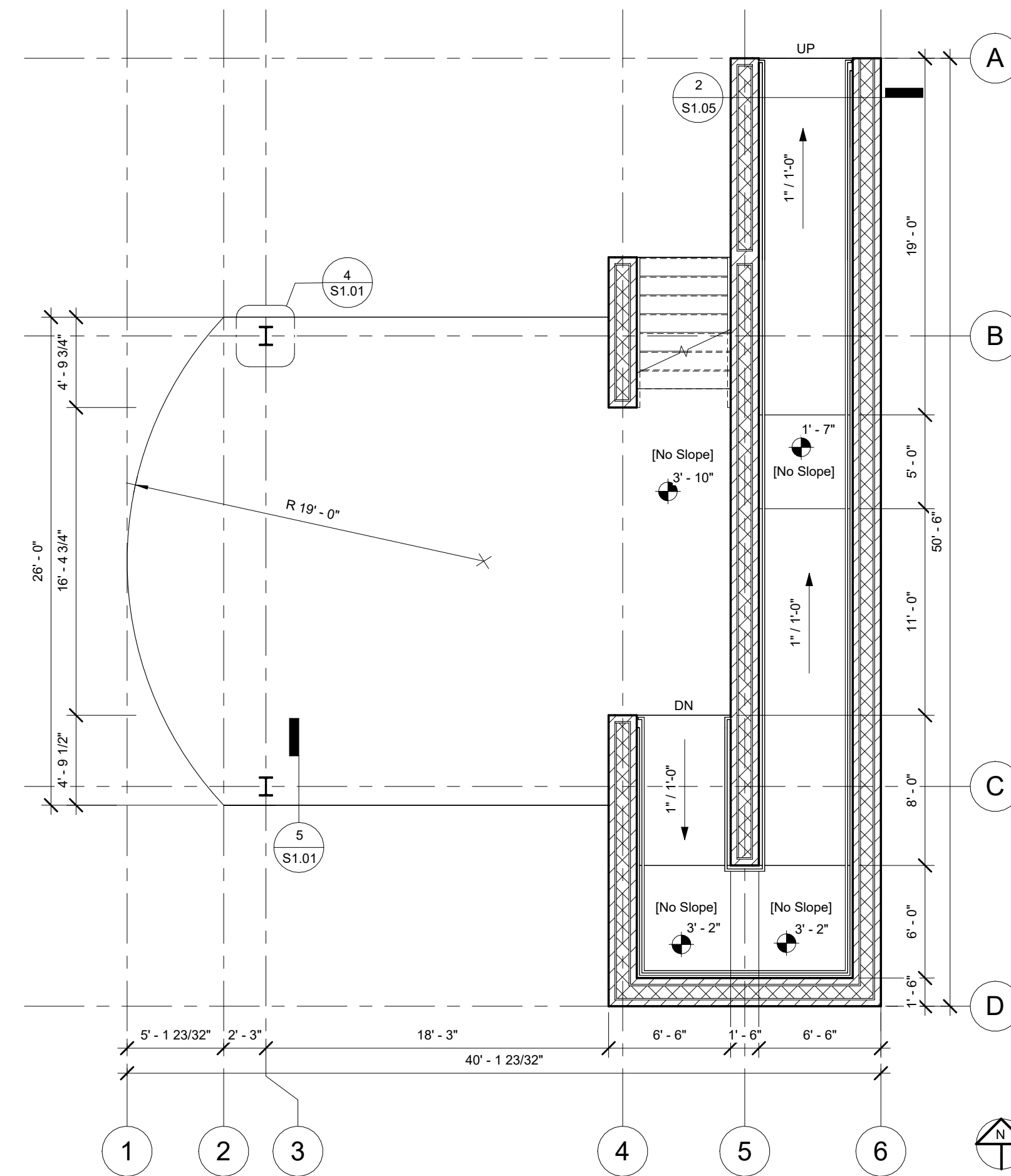
- a. BASIC WIND SPEED (3-SECOND GUST) V: 108 MPH
- b. RISK CATEGORY: II c. WIND EXPOSURE CATEGORY: B
- d. INTERNAL PRESSURE COEFFICIENT: ± 0.18
- e. GUST EFFECT FACTOR G = 0.85

E. ROOF SNOW LOADS

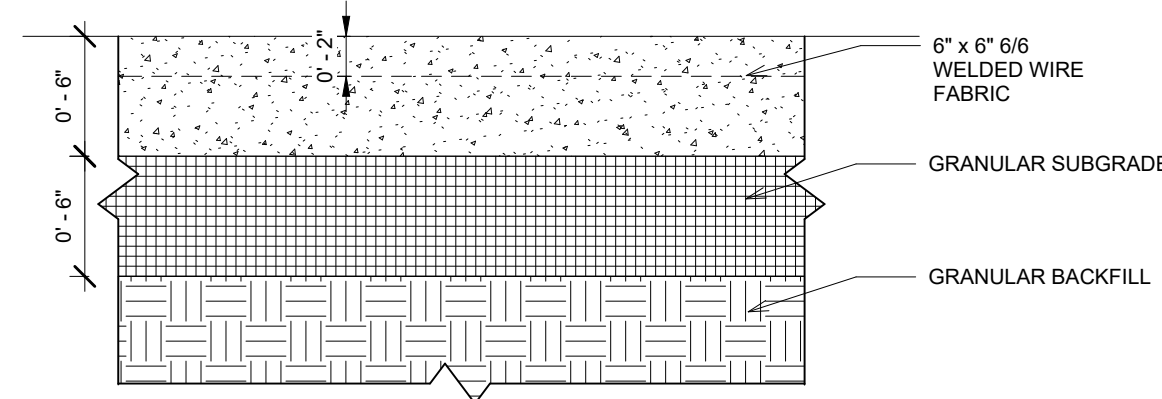
- a. FLAT-ROOF SNOW LOAD: $P_f = 18.9$ PSF
- b. SNOW EXPOSURE FACTOR: $C_e = 0.9$
- c. SNOW LOAD IMPORTANCE FACTOR: $I_s = 1.0$
- d. THERMAL FACTOR: $C_t = 1.2$
- e. SLOPE FACTOR: $C_s = 1.0$
- f. GROUND SNOW LOAD $P_g = 25$ PSF



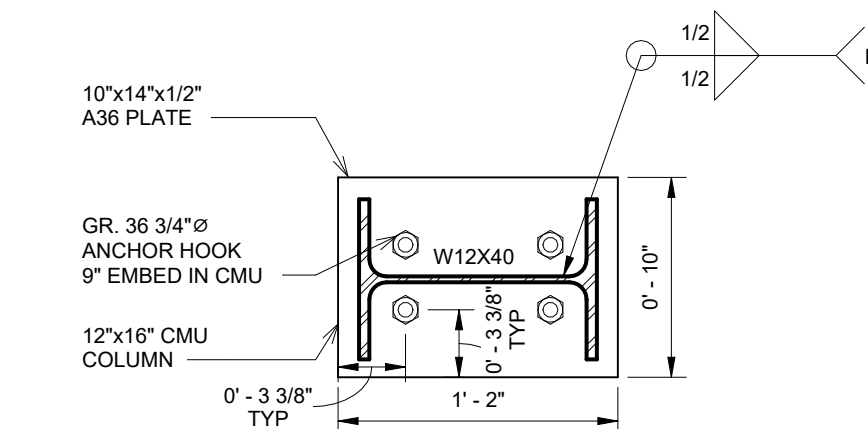
1 FOUNDATION PLAN
3/16" = 1'-0"



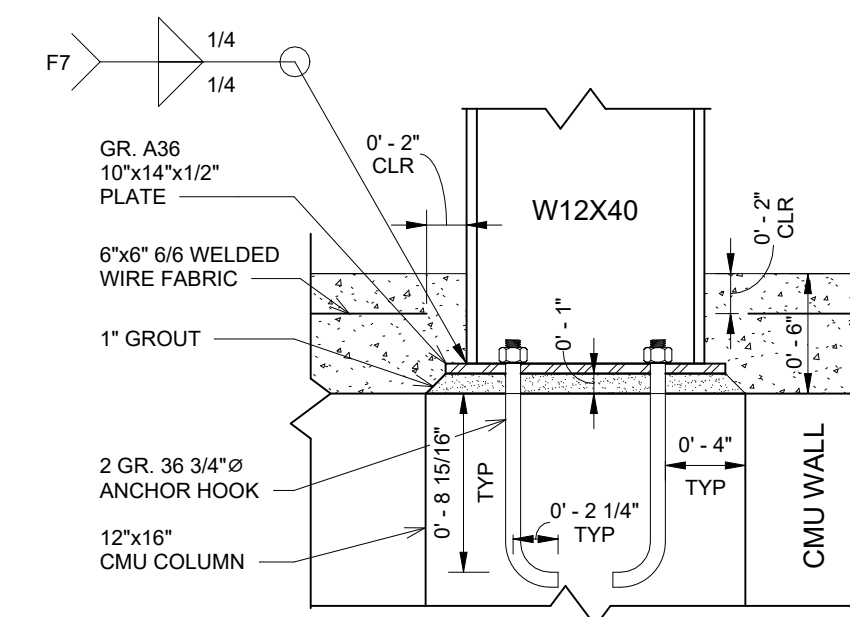
2 CONCRETE SLAB PLAN
3/16" = 1'-0"



3 CONCRETE SLAB
1 1/2" = 1'-0"



4 COLUMN/COLUMN CONNECTION (TOP)
1 1/2" = 1'-0"



5 STAGE COLUMN/COLUMN (SIDE)
1 1/2" = 1'-0"

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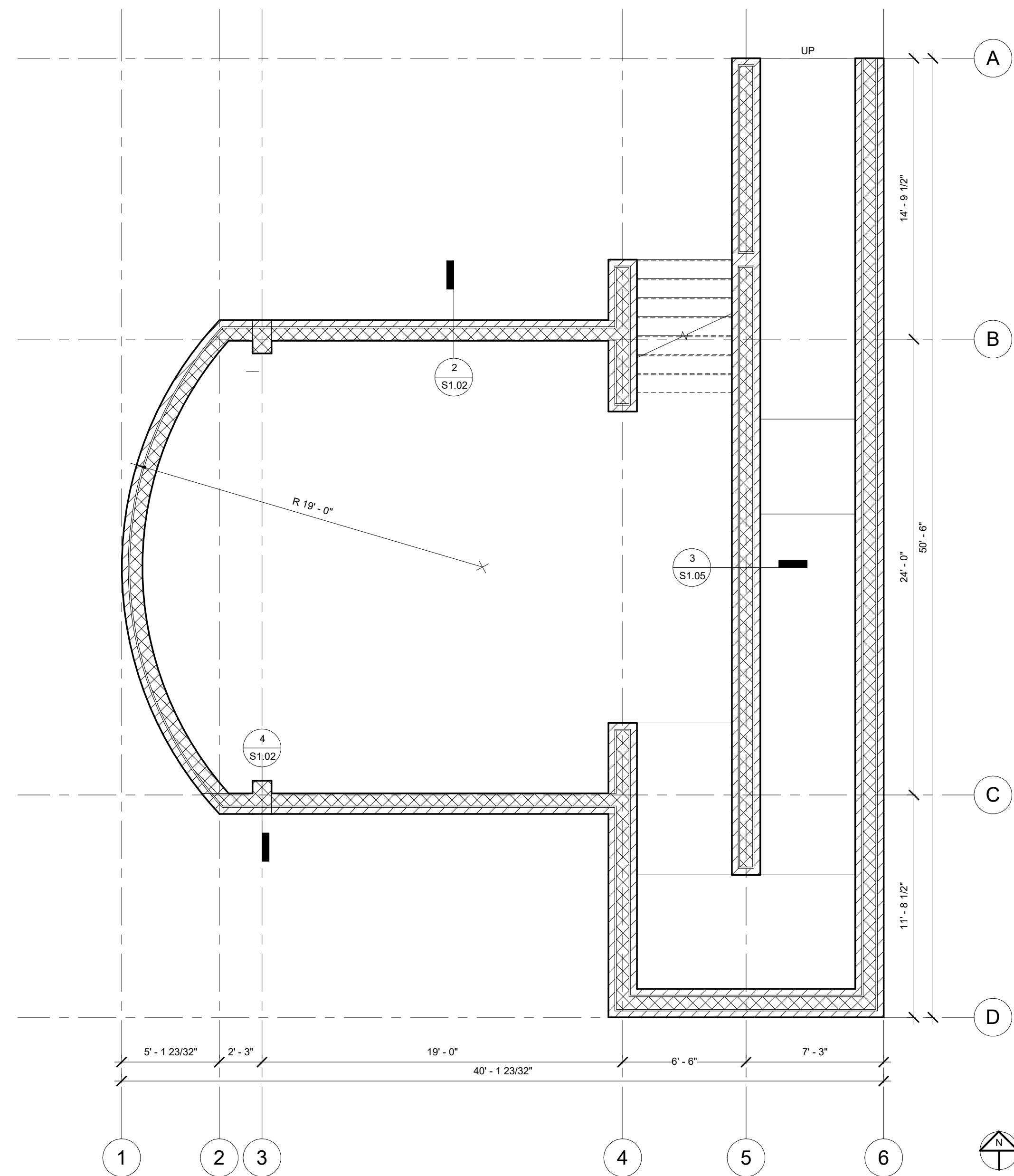
GREEN SPACE REDEVELOPMENT

SHEET NAME
STAGE FOUNDATION AND CONCRETE SLAB PLAN

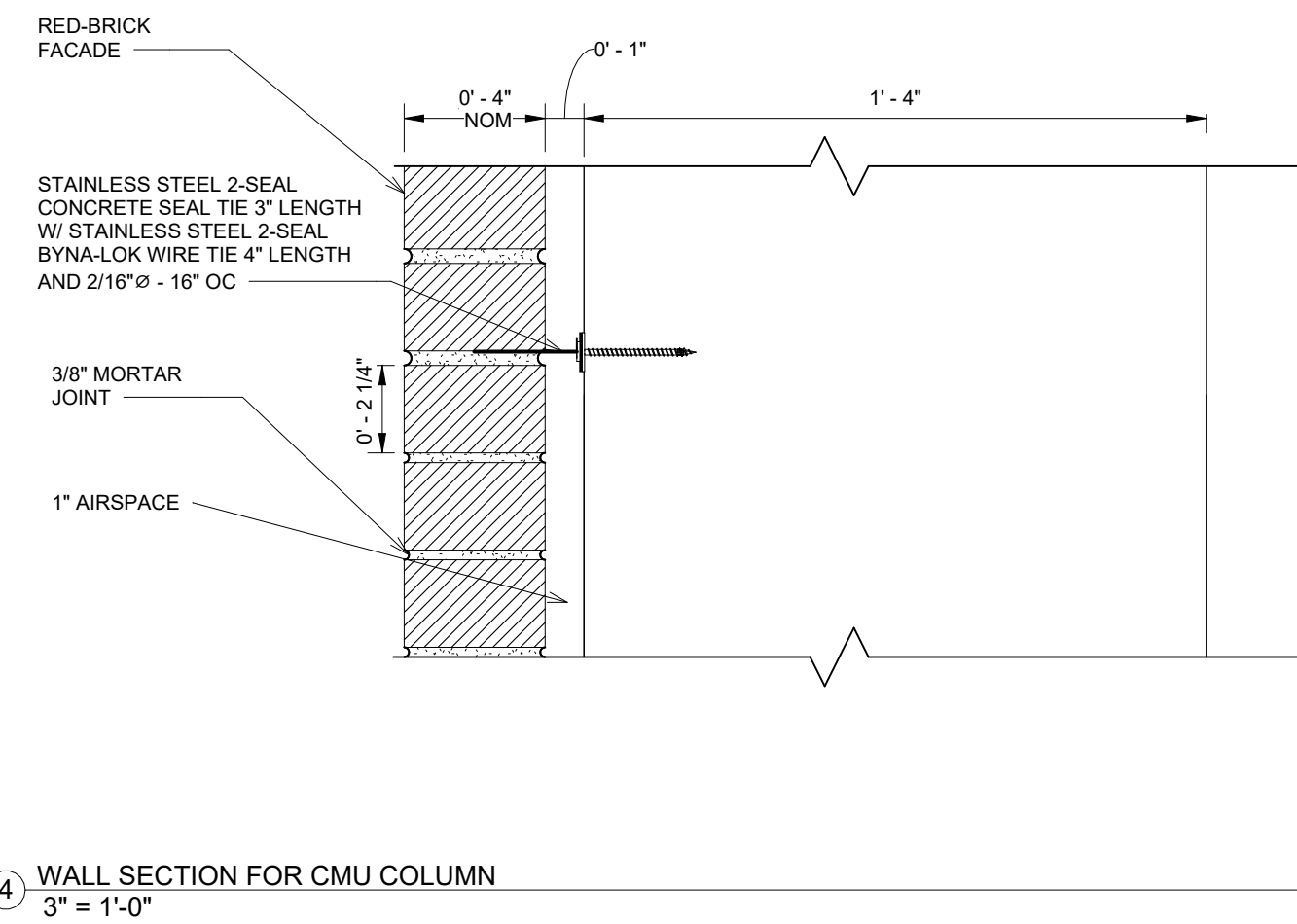
SHEET NO.

S1.01

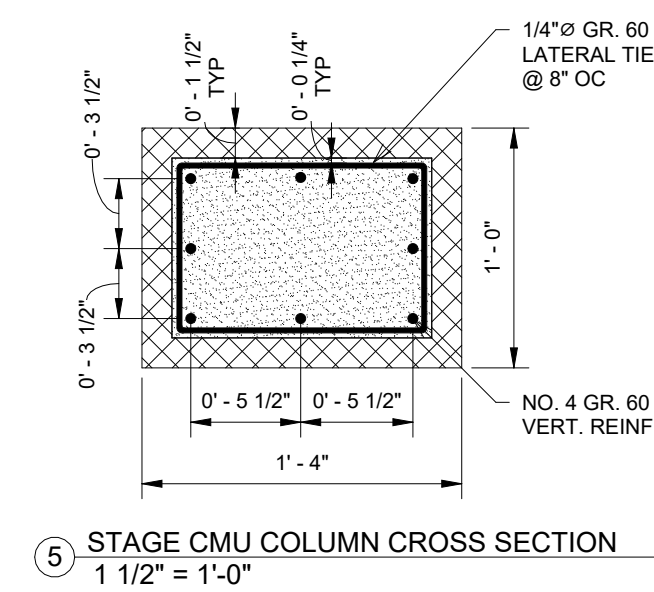
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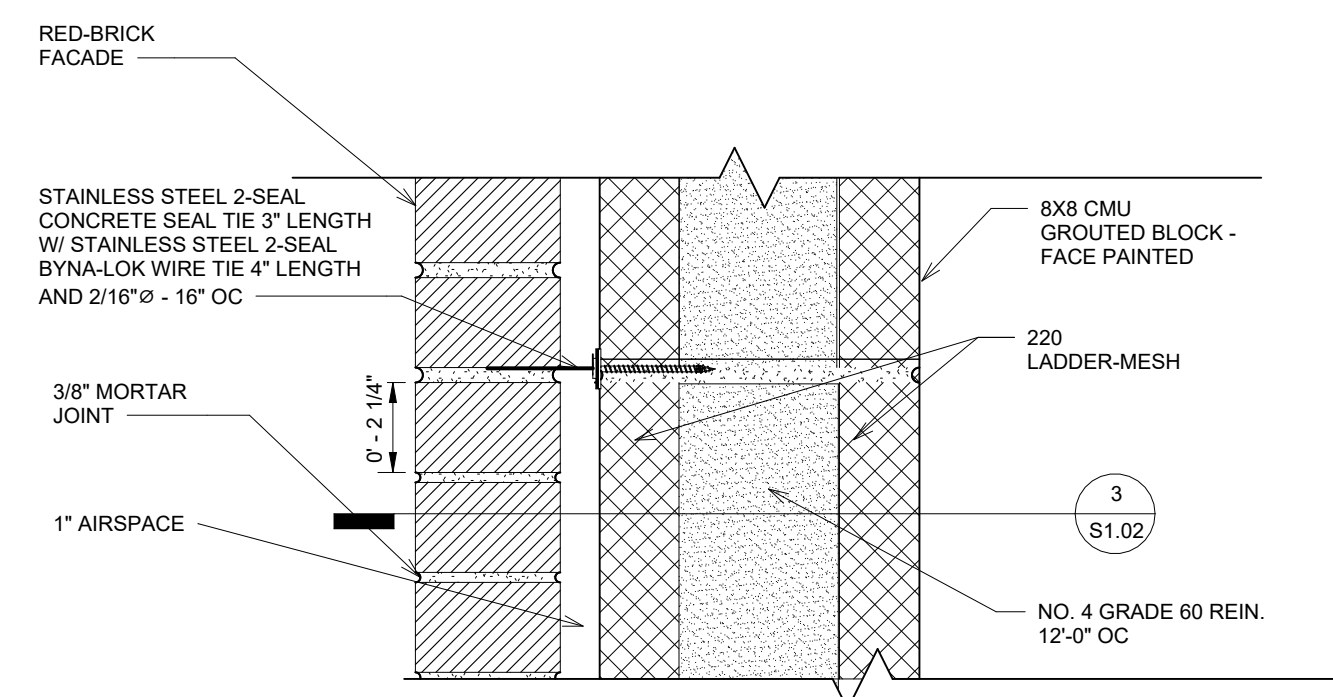
1 STAGE WALL PLAN
1/4" = 1'-0"



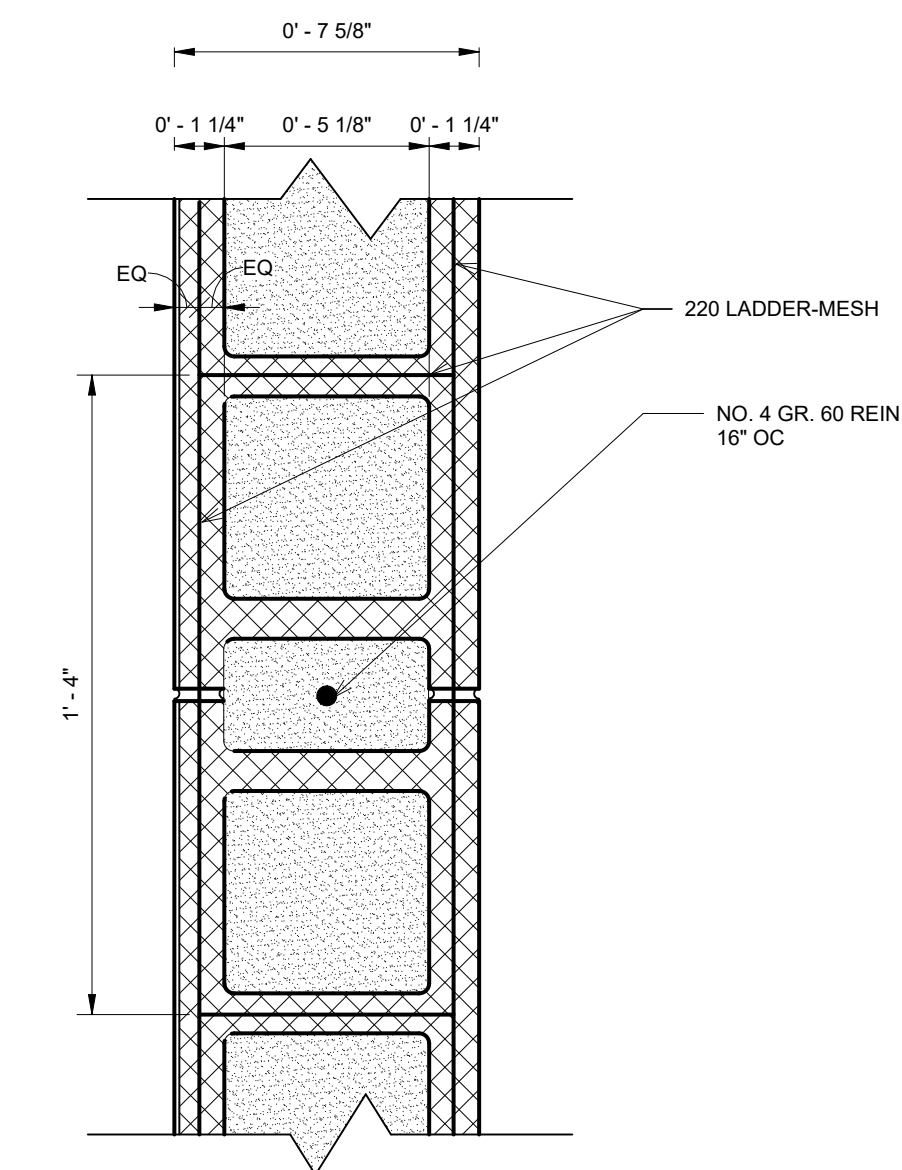
4 WALL SECTION FOR CMU COLUMN
3" = 1'-0"



5 STAGE CMU COLUMN CROSS SECTION
1 1/2" = 1'-0"



2 RETAINING CMU WALL SECTION
3" = 1'-0"



3 CMU REINFORCEMENT
3" = 1'-0"

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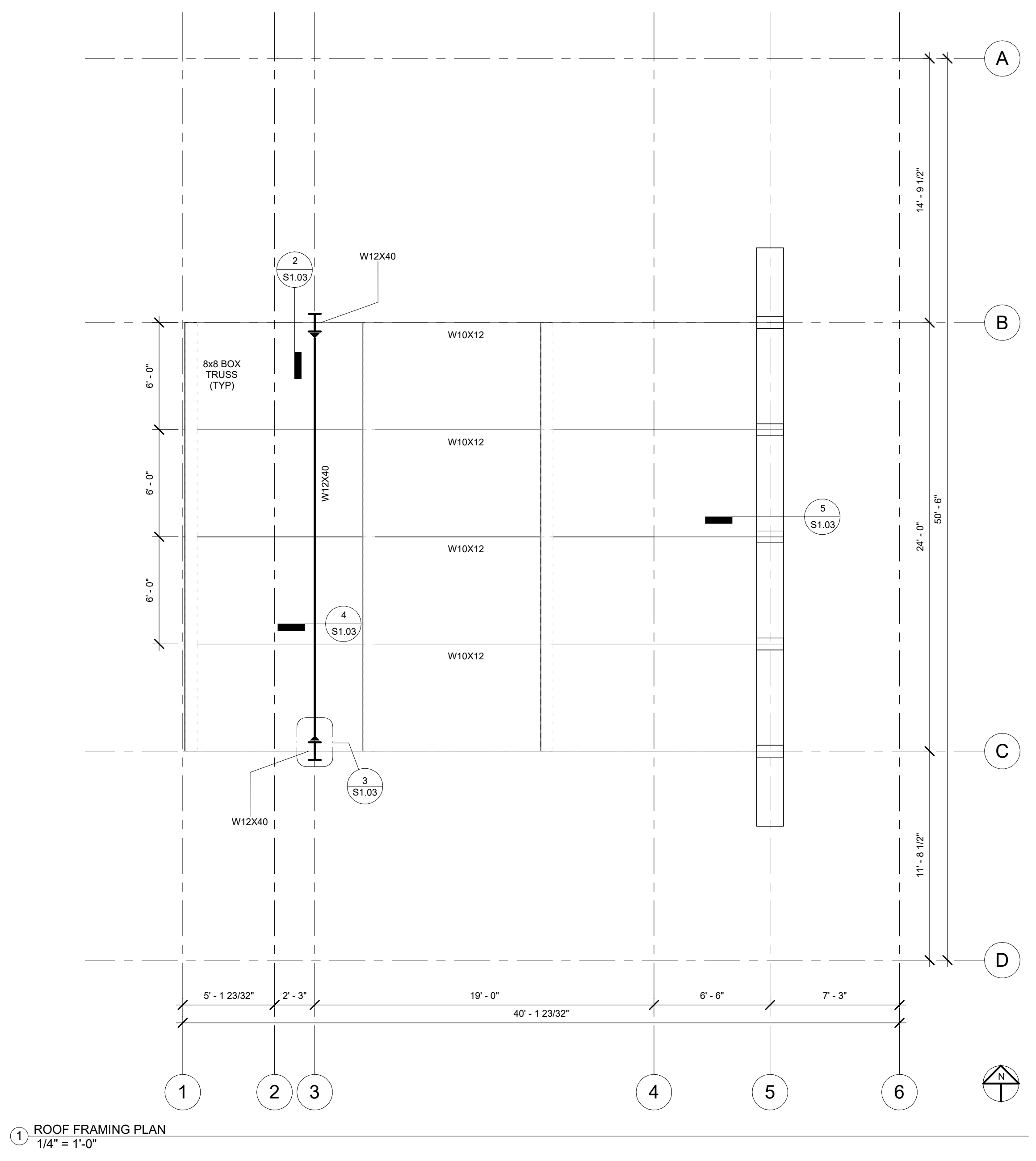
GREEN SPACE REDEVELOPMENT

129 S MAIN ST
MAQUOKETA, IA

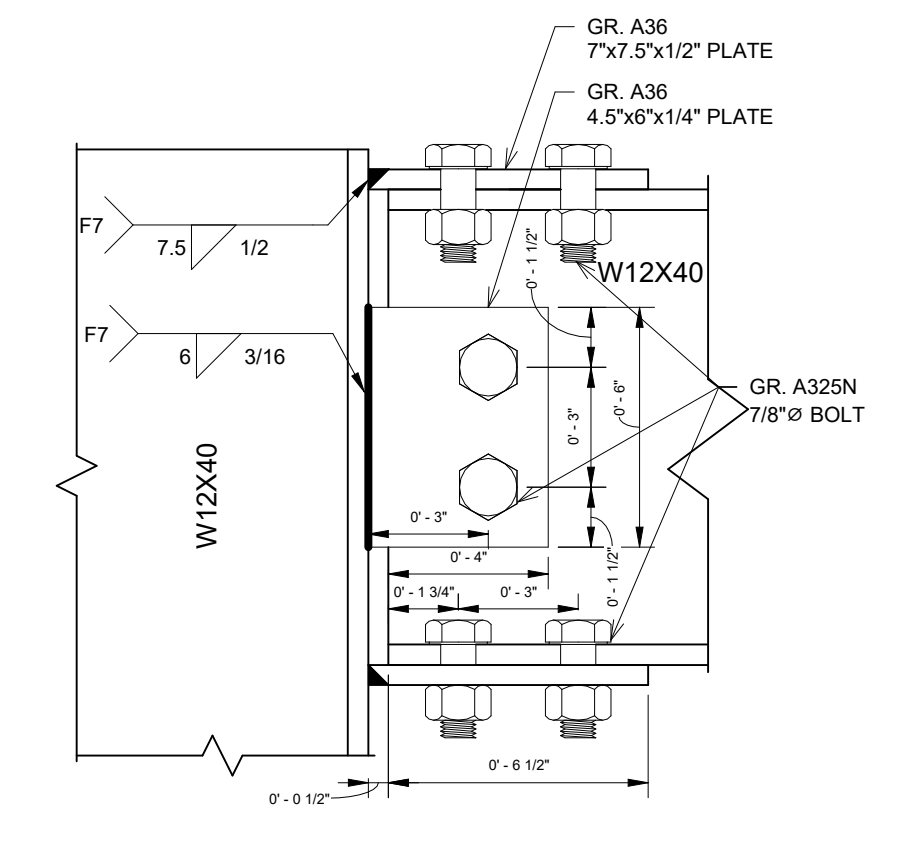
SHEET NAME
STAGE WALL PLAN

SHEET NO.

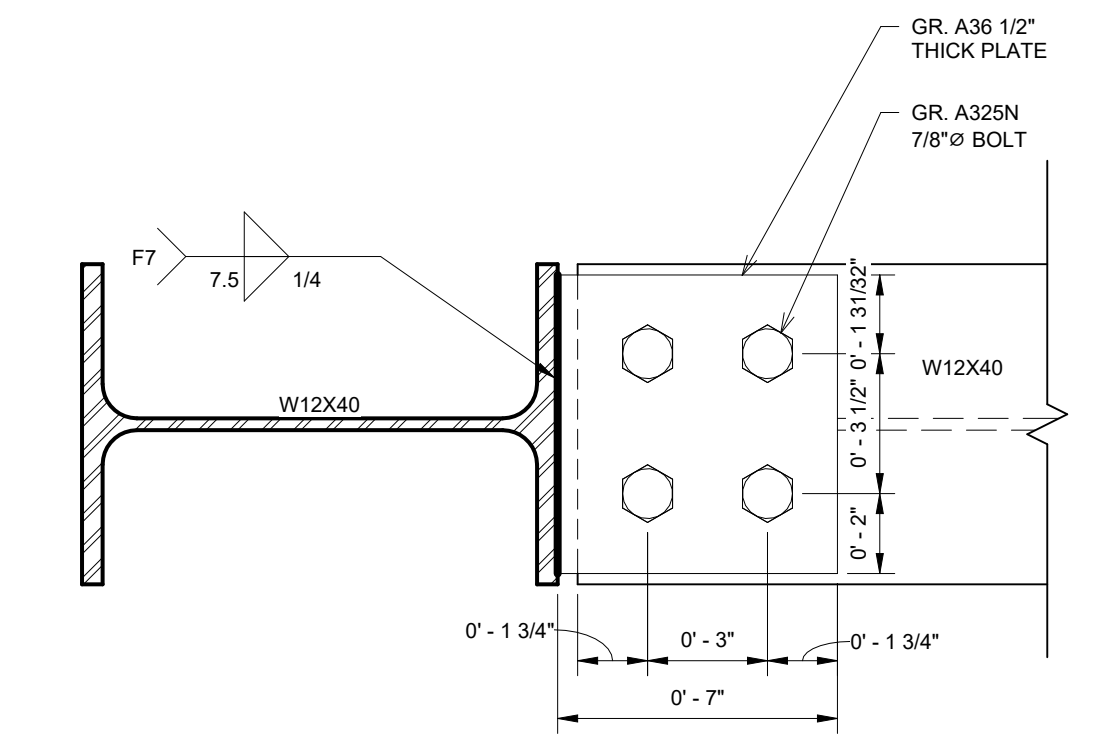
S1.02



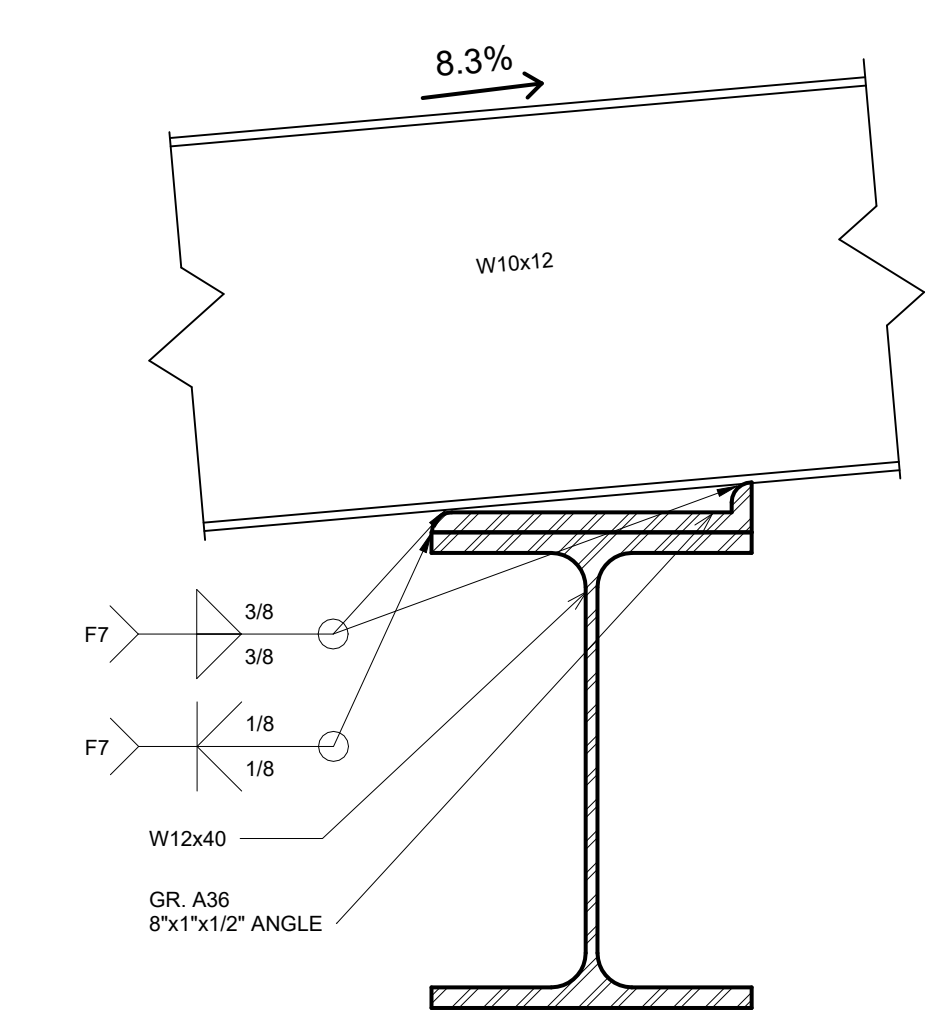
1 ROOF FRAMING PLAN
1/4" = 1'-0"



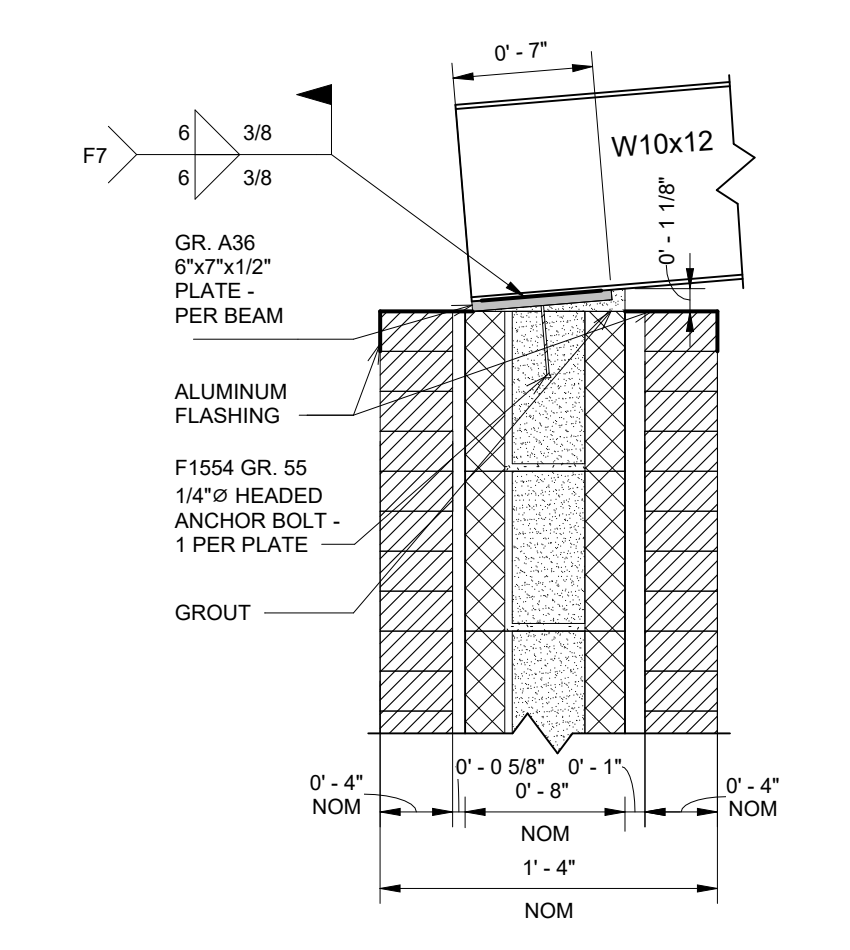
2 STAGE MOMENT CONNECTION (SIDE)
3" = 1'-0"



3 STAGE MOMENT CONNECTION (TOP)
3" = 1'-0"



4 BEAM BEARING ON GIRDER
3" = 1'-0"



5 BEAM BEARING ON CMU WALL
1 1/2" = 1'-0"

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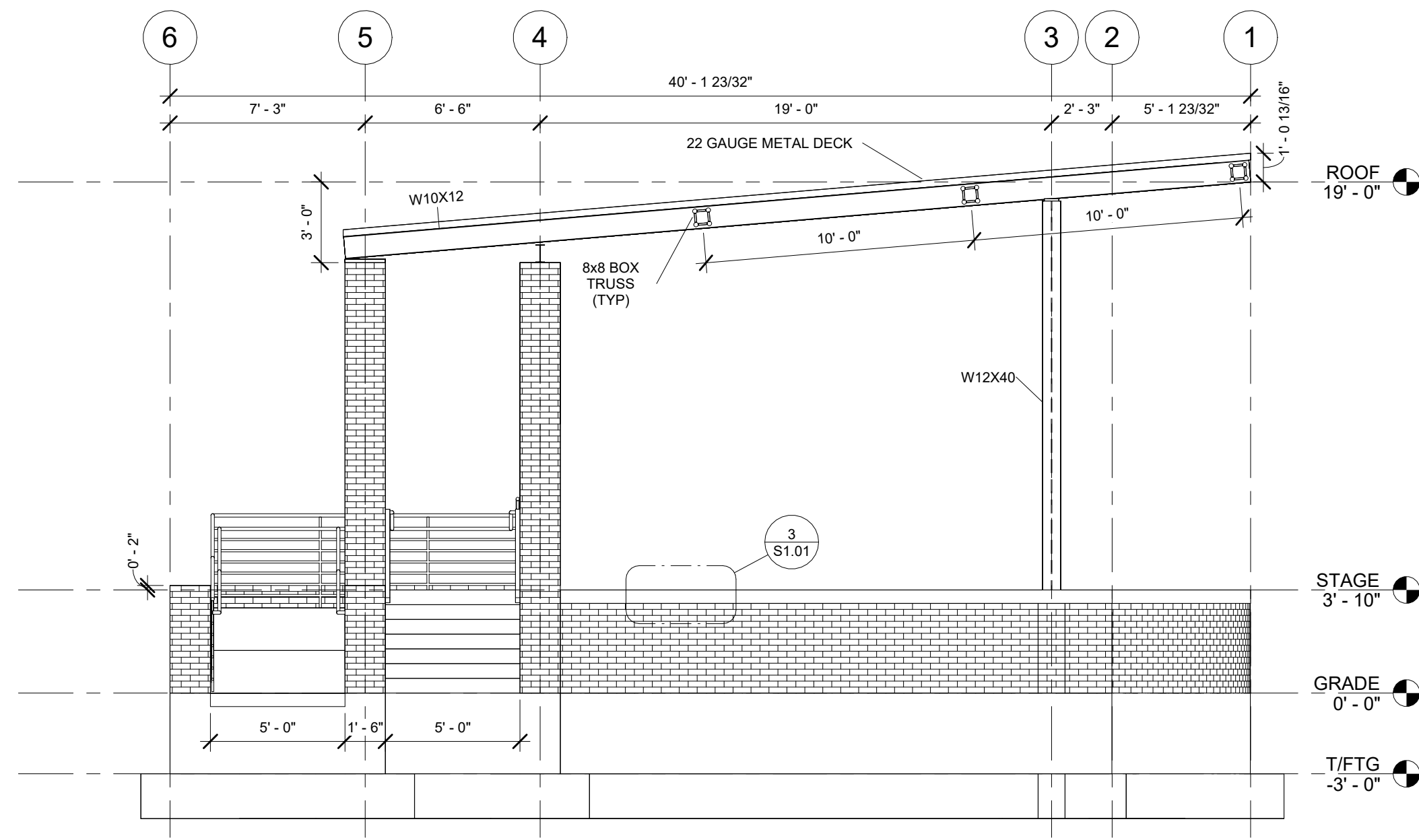
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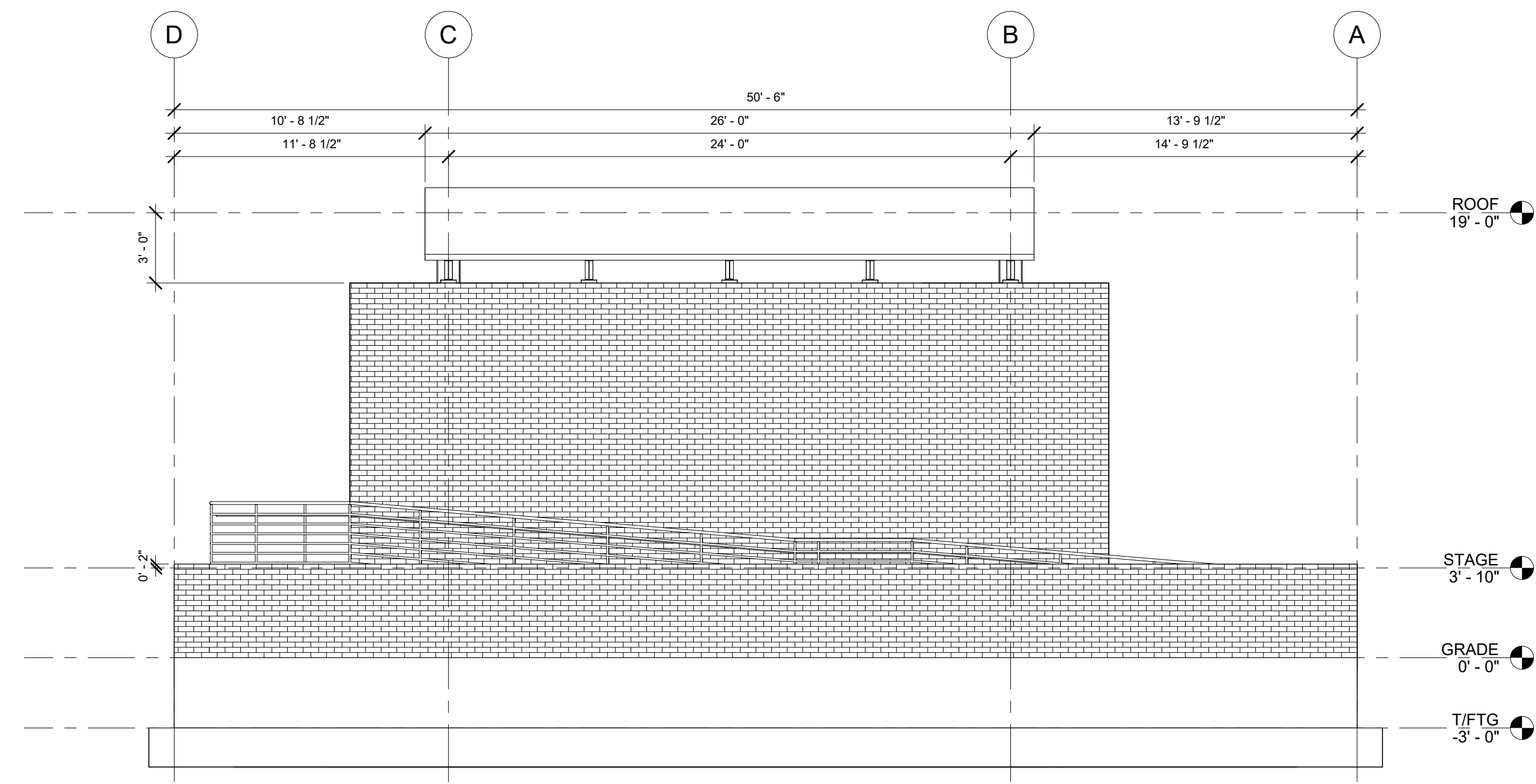
129 S MAIN ST
MAQUOKETA, IA

SHEET NAME
STAGE ROOF FRAMING
PLAN

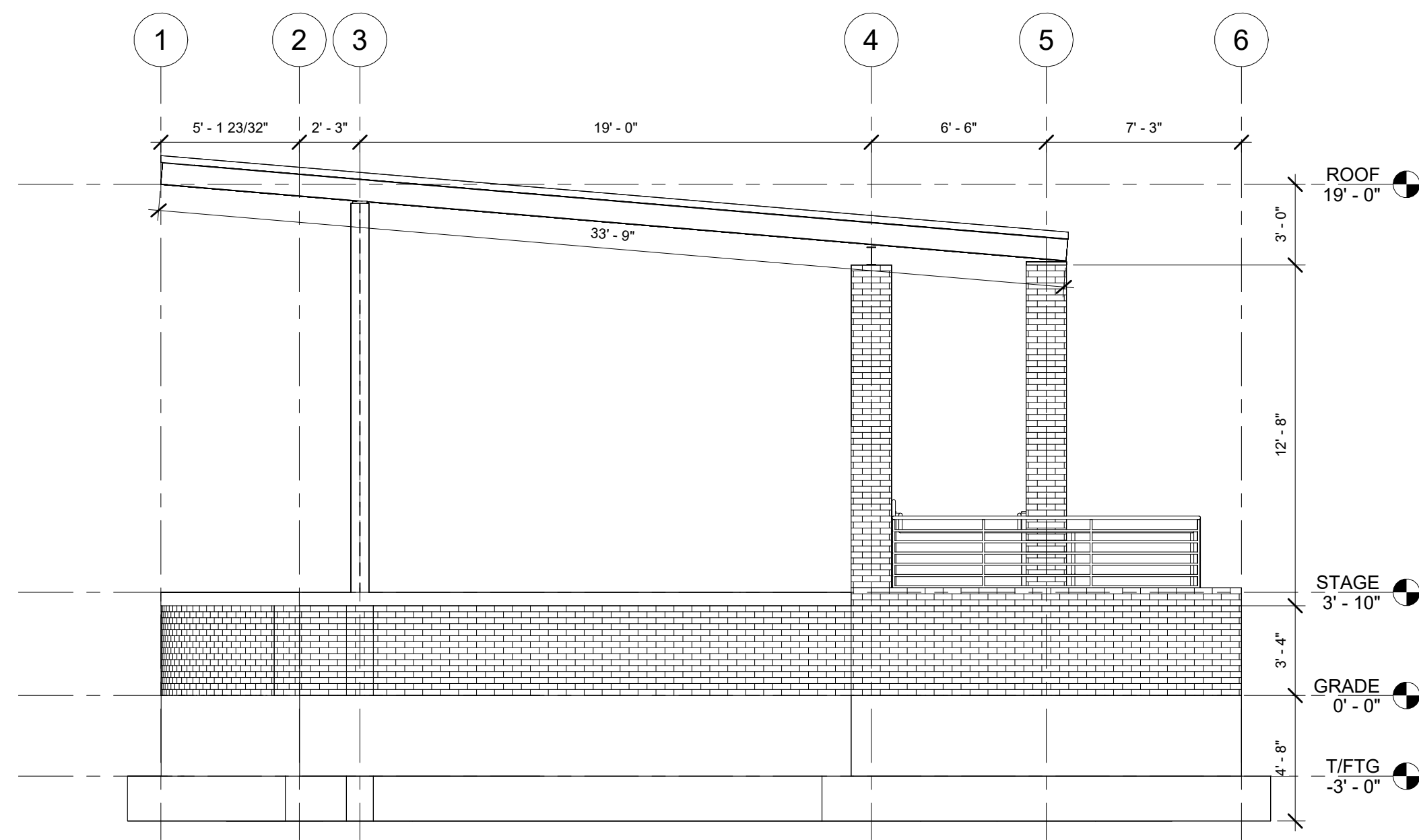
SHEET NO.
S1.03



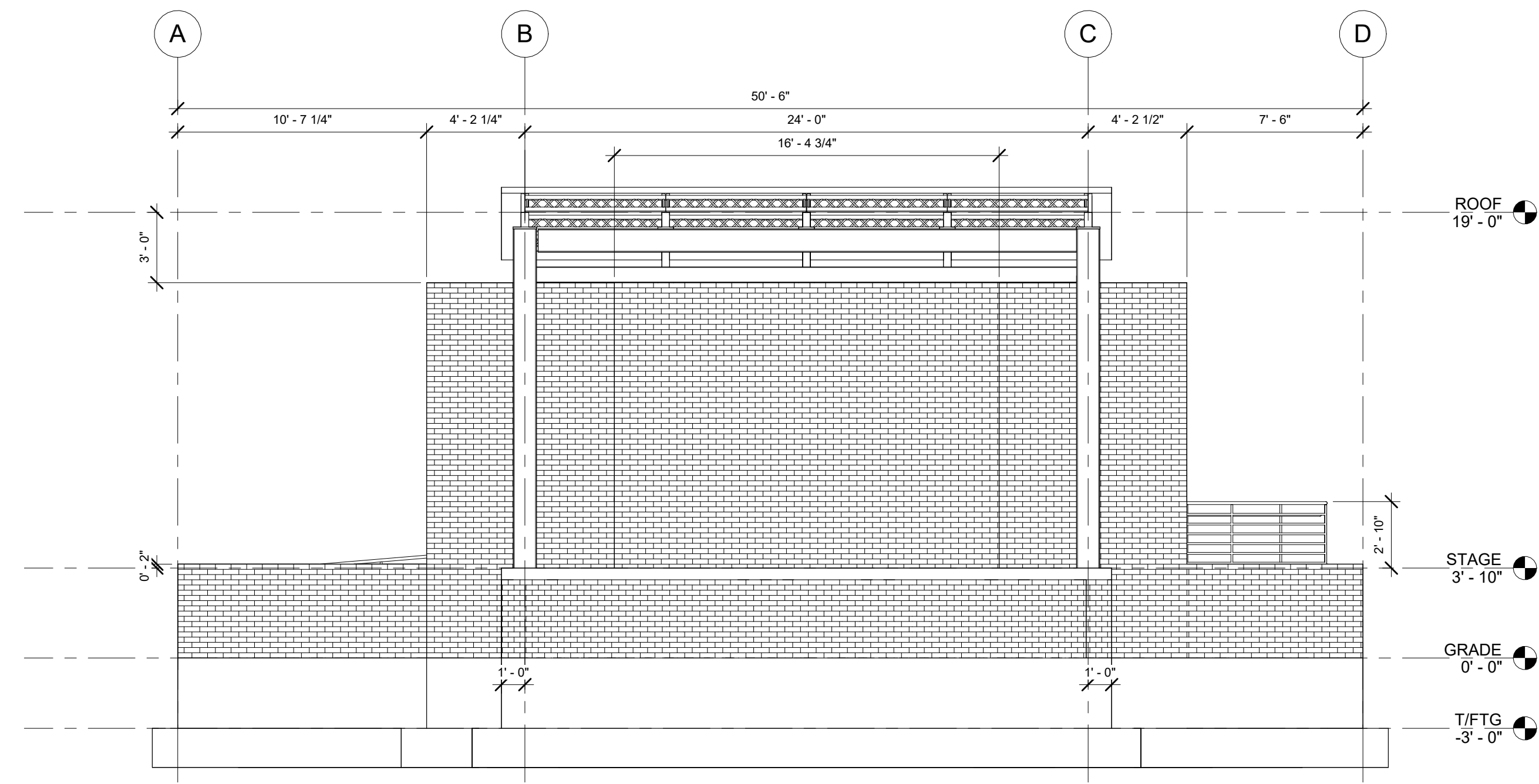
1 STAGE NORTH ELEVATION
1/4" = 1'-0"



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



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



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

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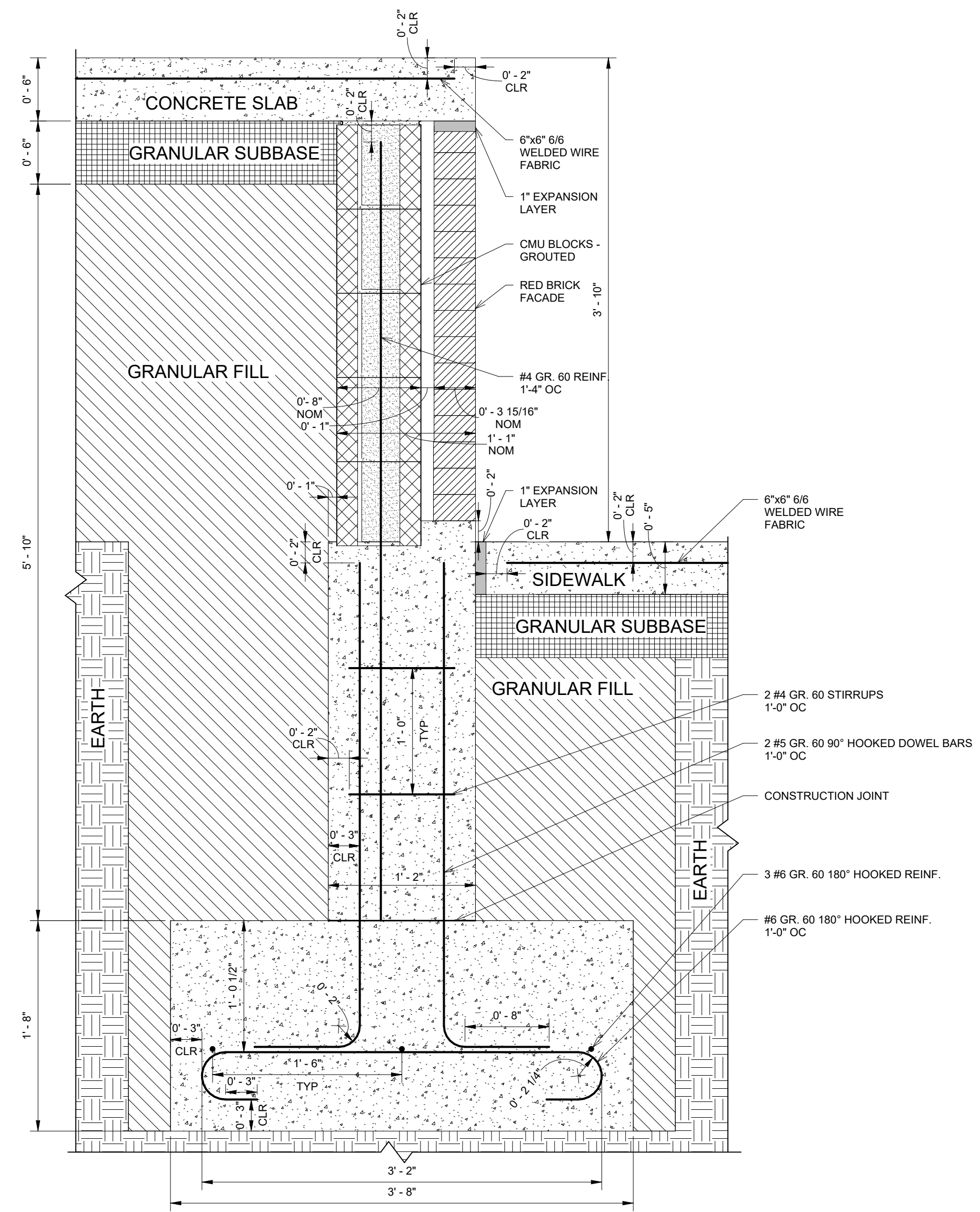


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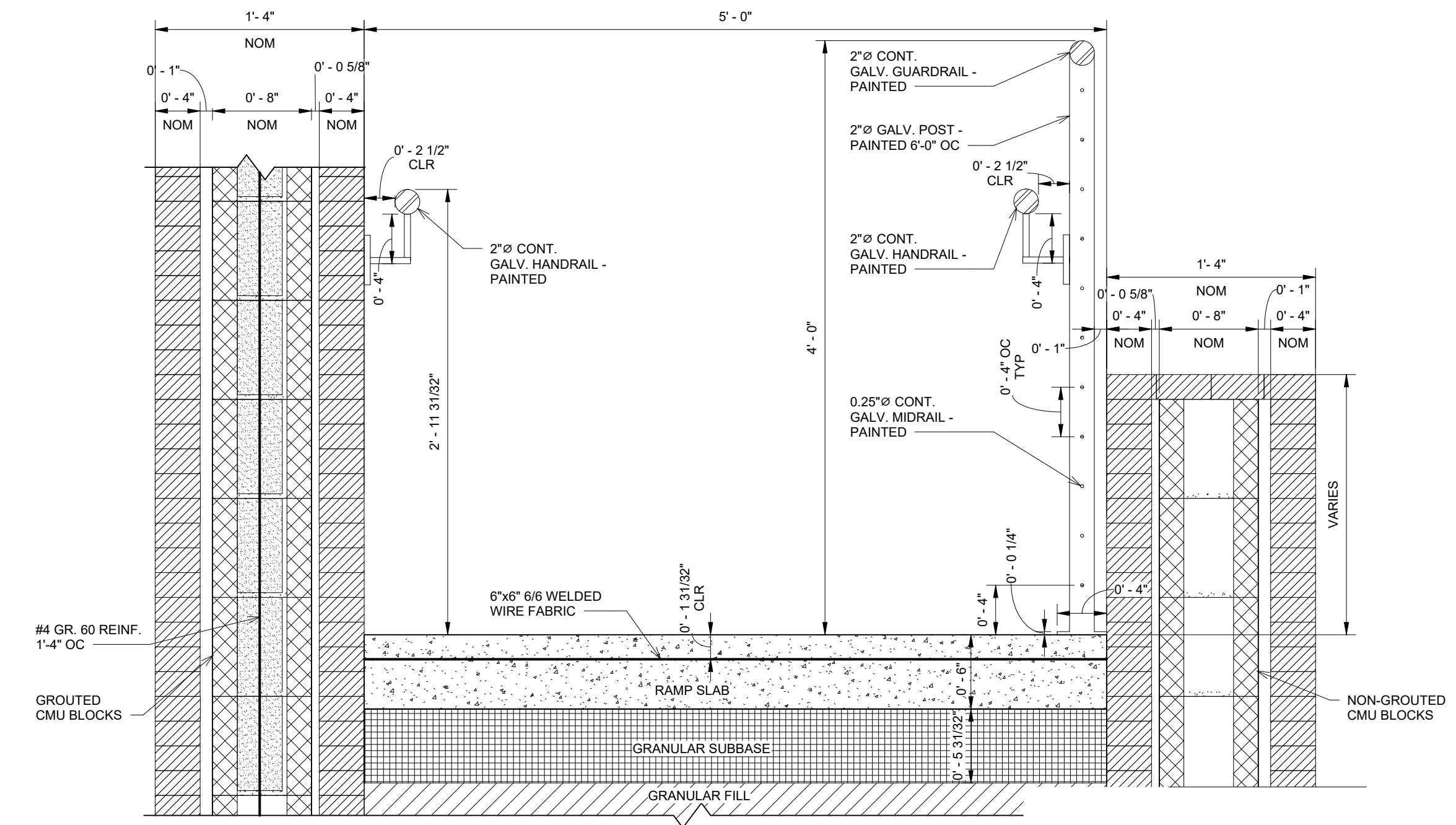
GREEN SPACE REDEVELOPMENT
 129 S MAIN ST
 MAQUOKETA, IA

SHEET NAME
 STAGE EXTERIOR
 ELEVATIONS

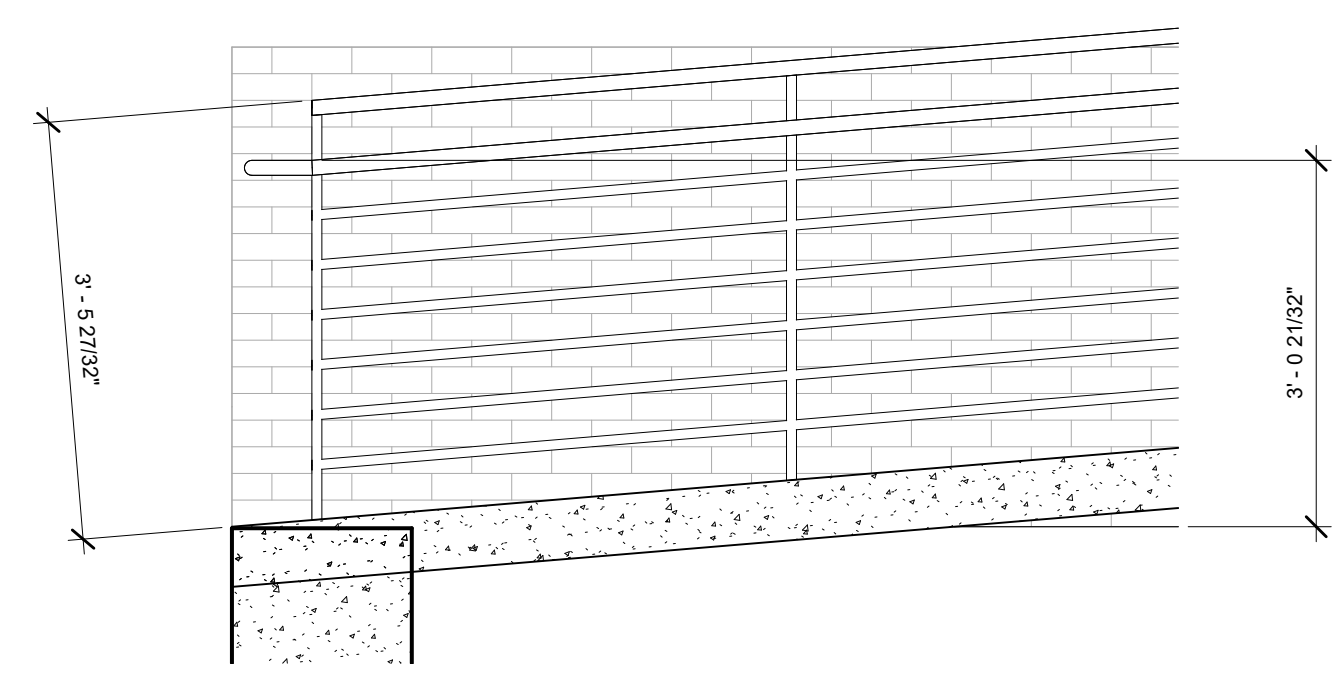
SHEET NO.
S1.04



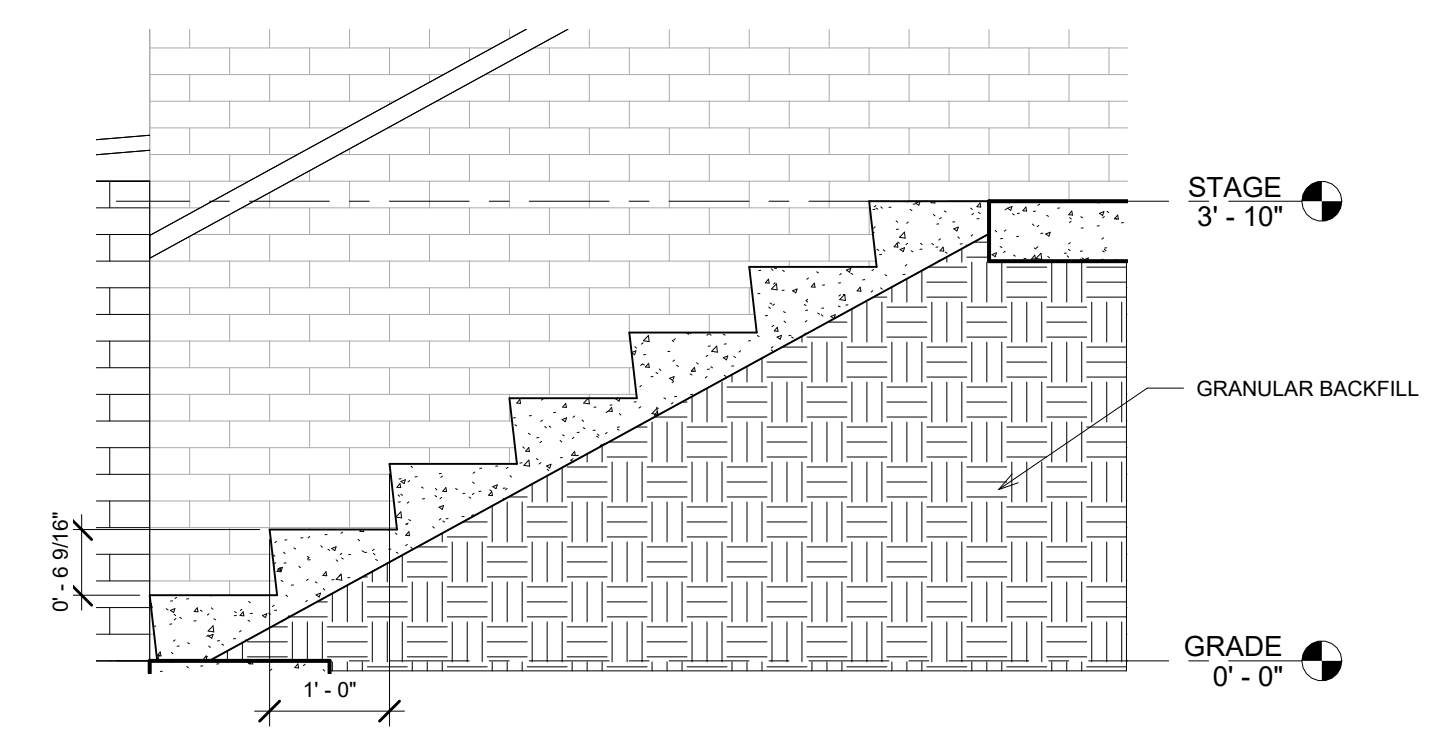
1. STAGE RETAINING WALL FOUNDATION
1 1/2" = 1'-0"



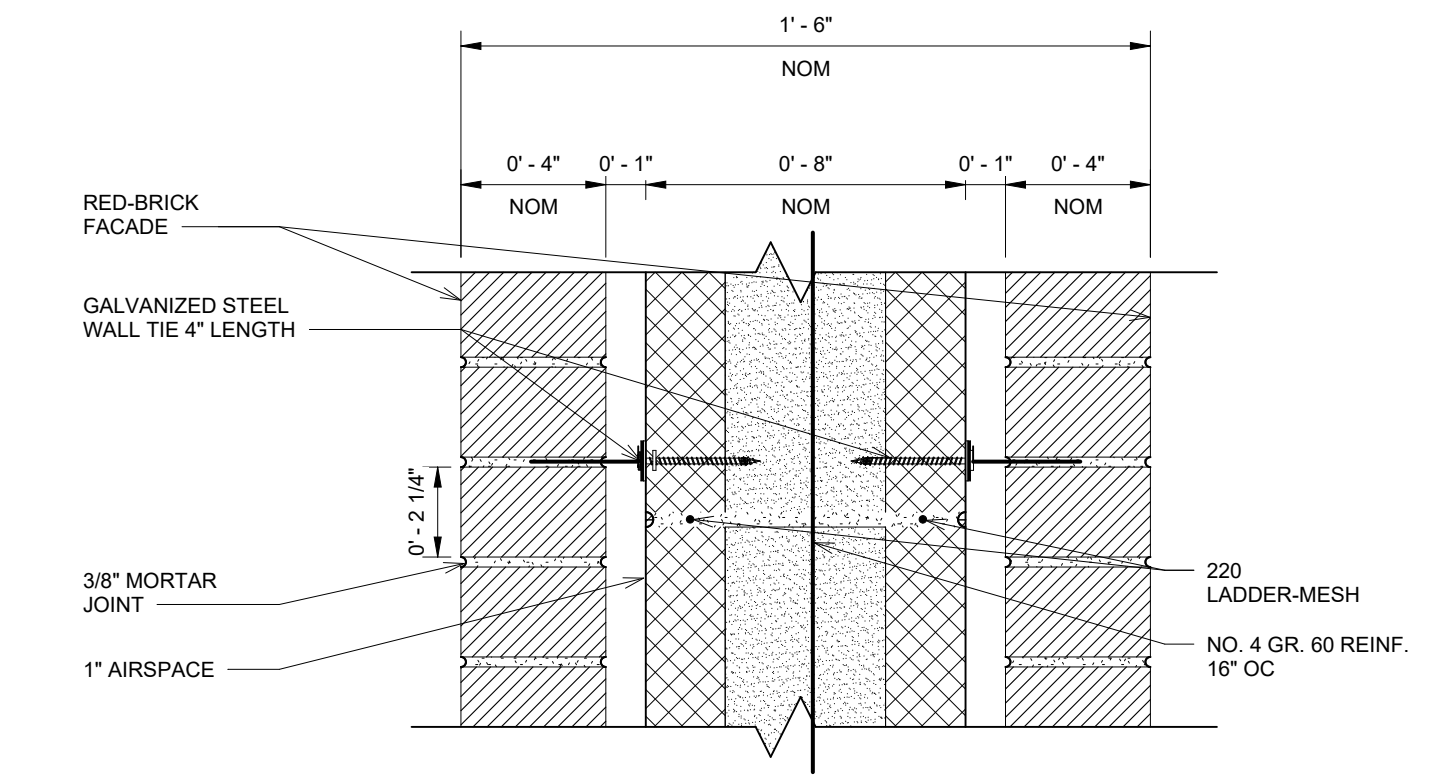
2. STAGE RAMP RAILING SECTION
1 1/2" = 1'-0"



5. RAMP RAILING
3/4" = 1'-0"



4. CAST-IN-PLACE STAIRS
3/4" = 1'-0"



3. EAST STAGE WALL SECTION
3" = 1'-0"

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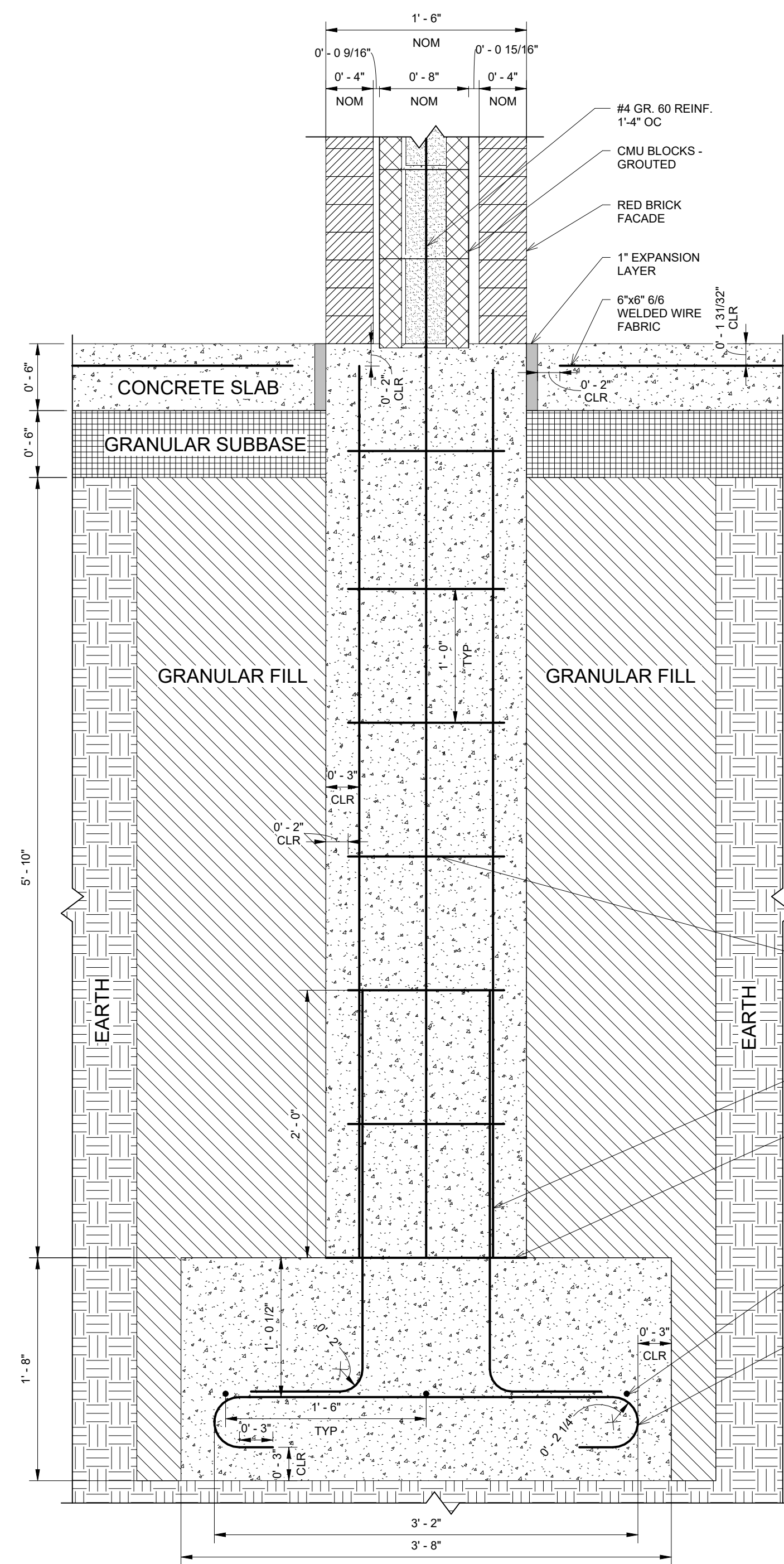
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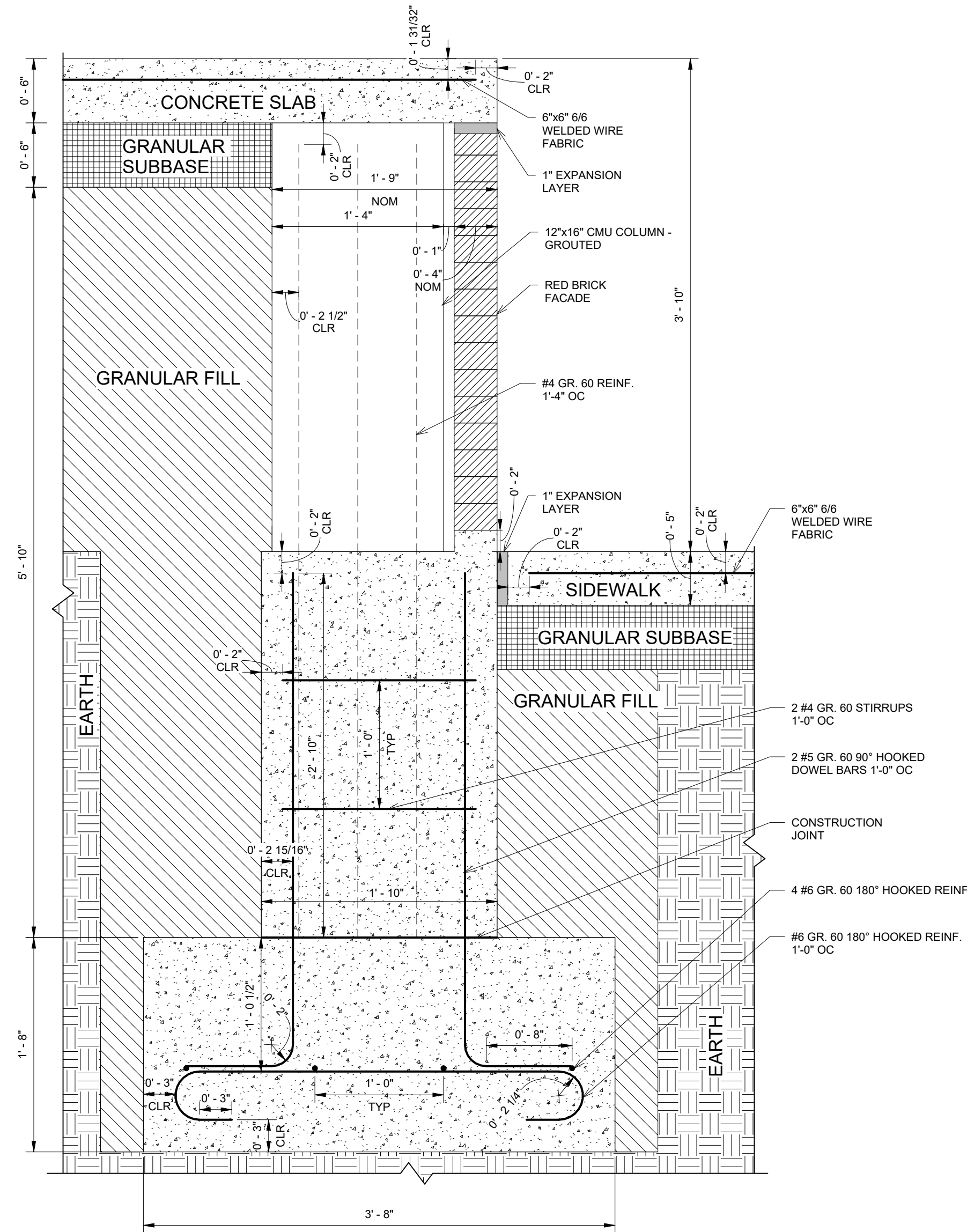
129 S MAIN ST
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SHEET NAME
STAGE
STRUCTURAL
DETAILS
SHEET NO.

S1.05



② STAGE EAST WALL FOUNDATION
1 1/2" = 1'-0"



① STAGE ISOLATED FOOTING
1 1/2" = 1'-0"

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STRUCTURAL
DETAILS

SHEET NO.

S1.06

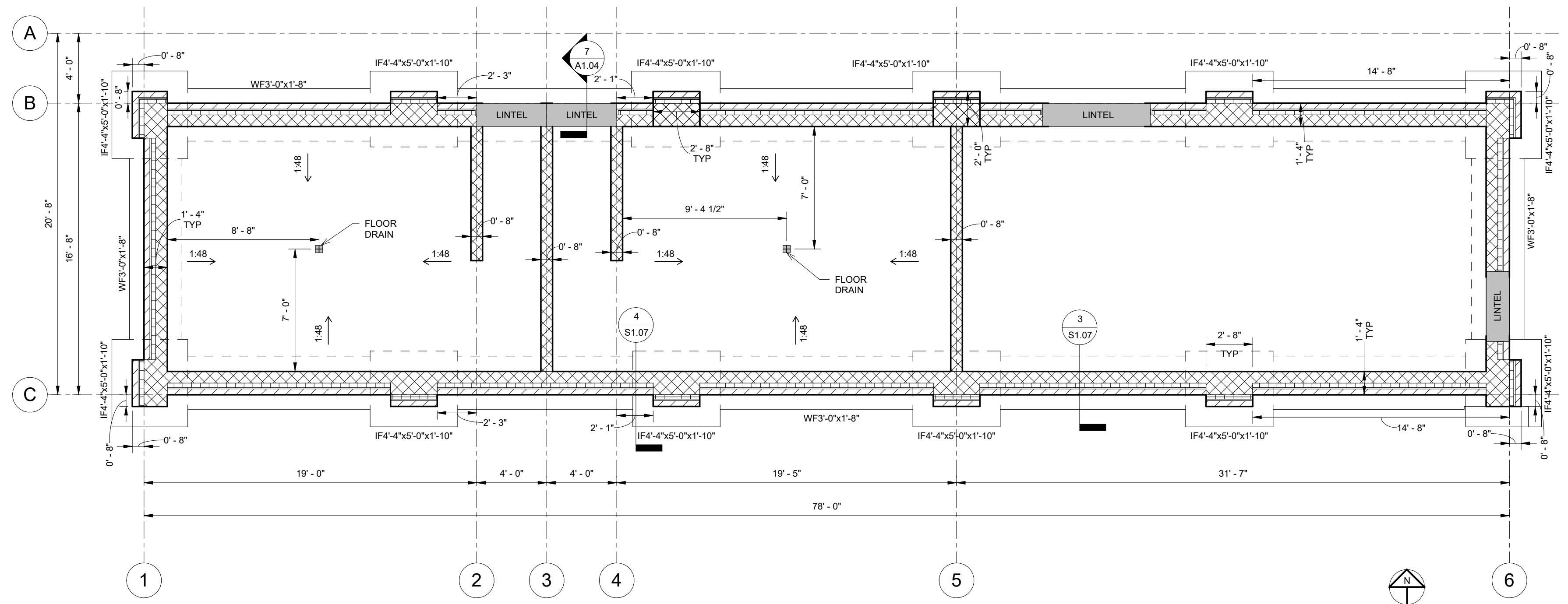


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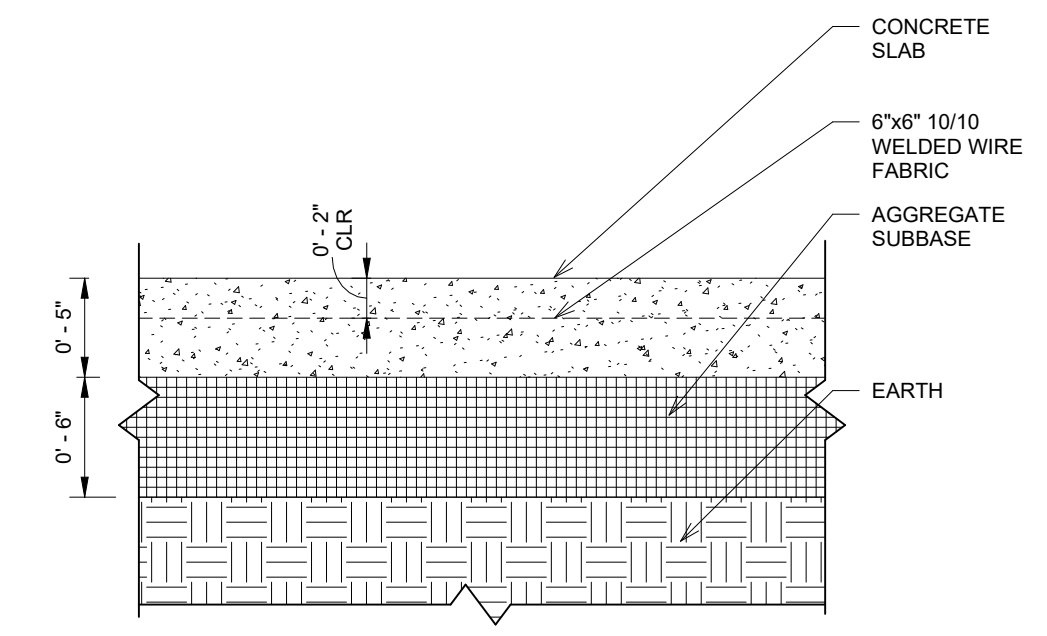
GREEN SPACE REDEVELOPMENT
 129 S MAIN ST
 MAQUOKETA, IA

SHEET NAME
 PHASE 1 RESTROOM
 FOUNDATION PLAN
 AND DETAILS

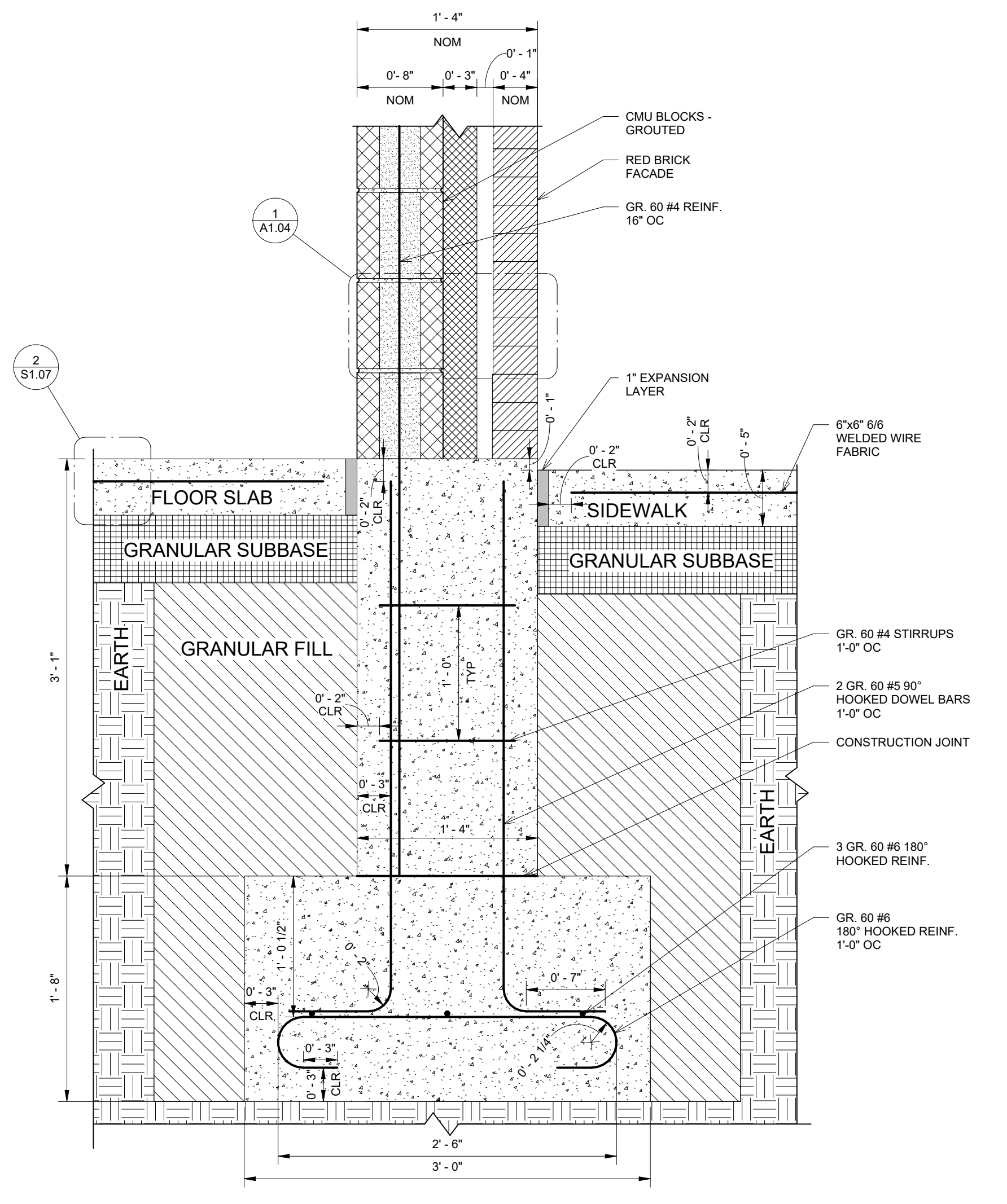
SHEET NO.
S1.07



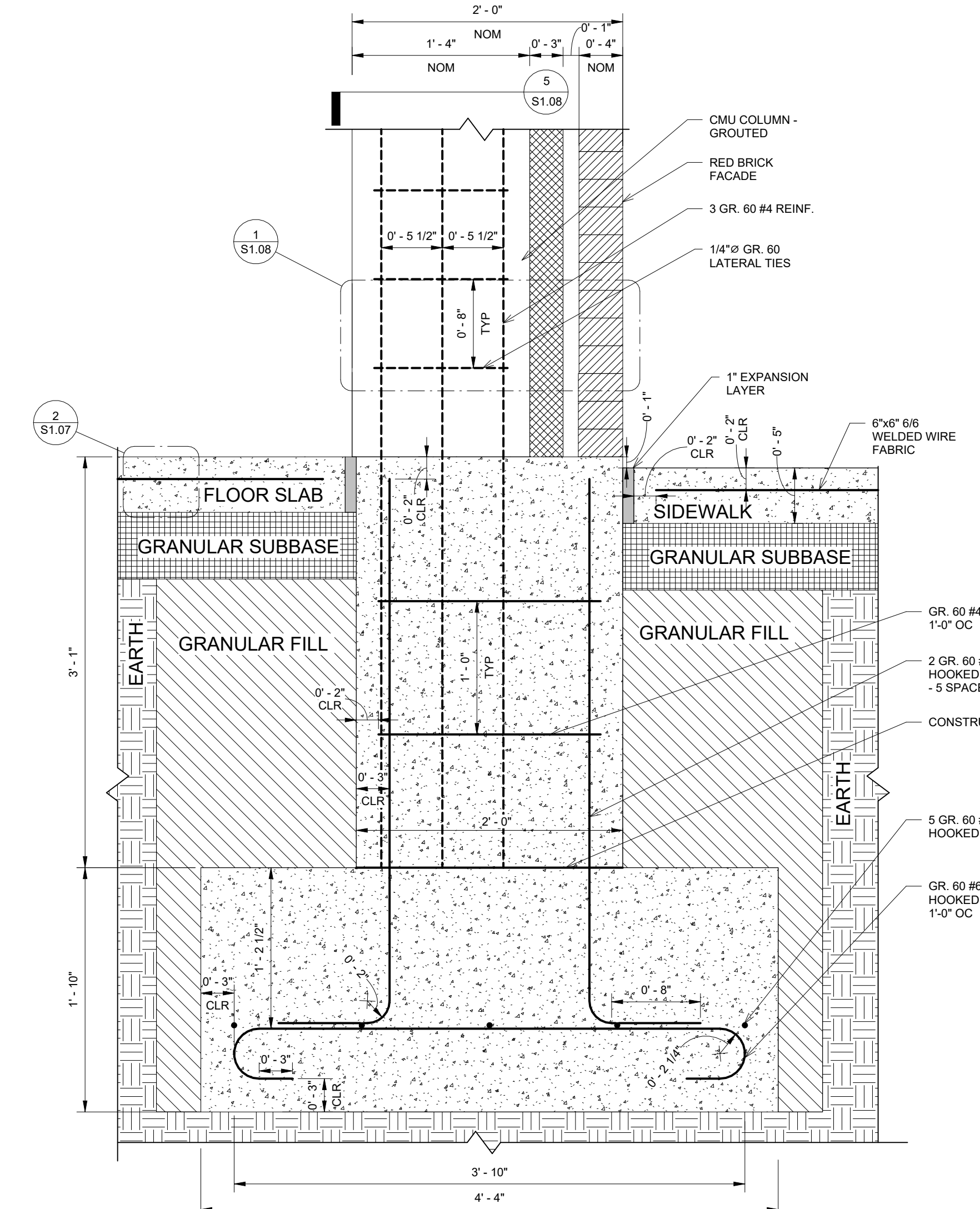
1 PHASE 1 FOUNDATION PLAN
 1/4" = 1'-0"



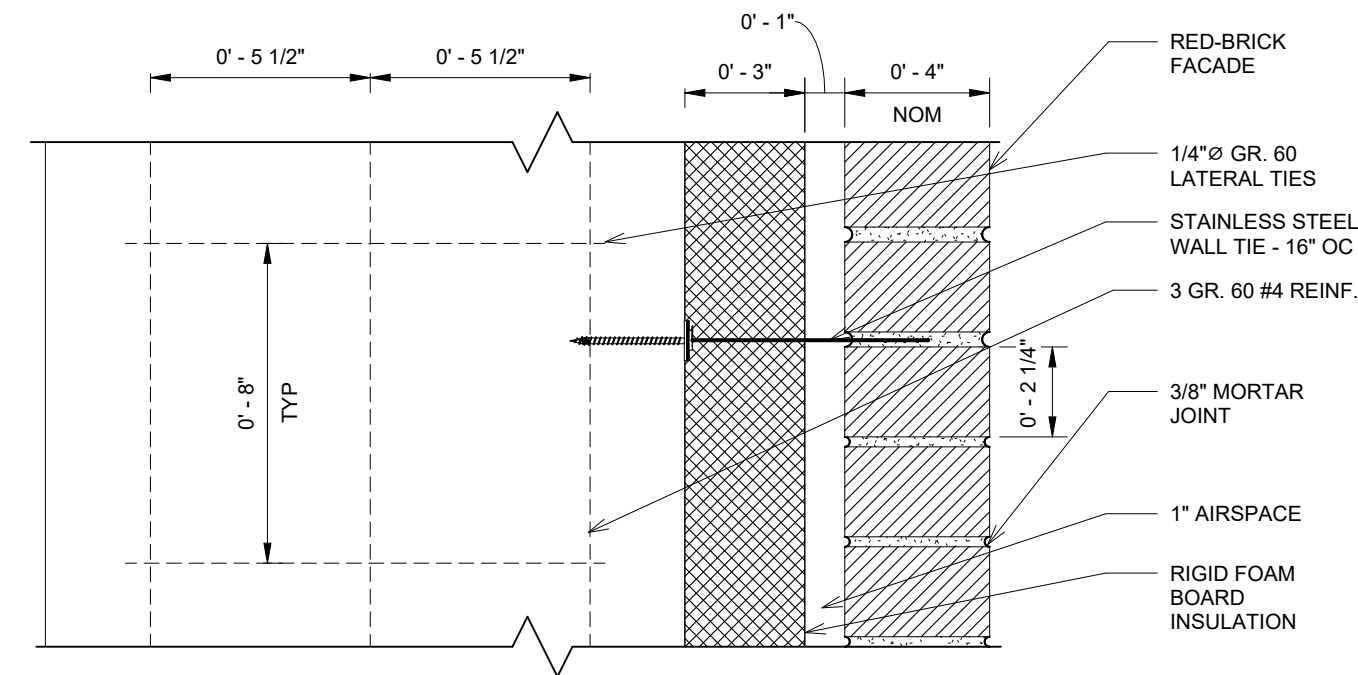
2 SLAB DETAIL
 1 1/2" = 1'-0"



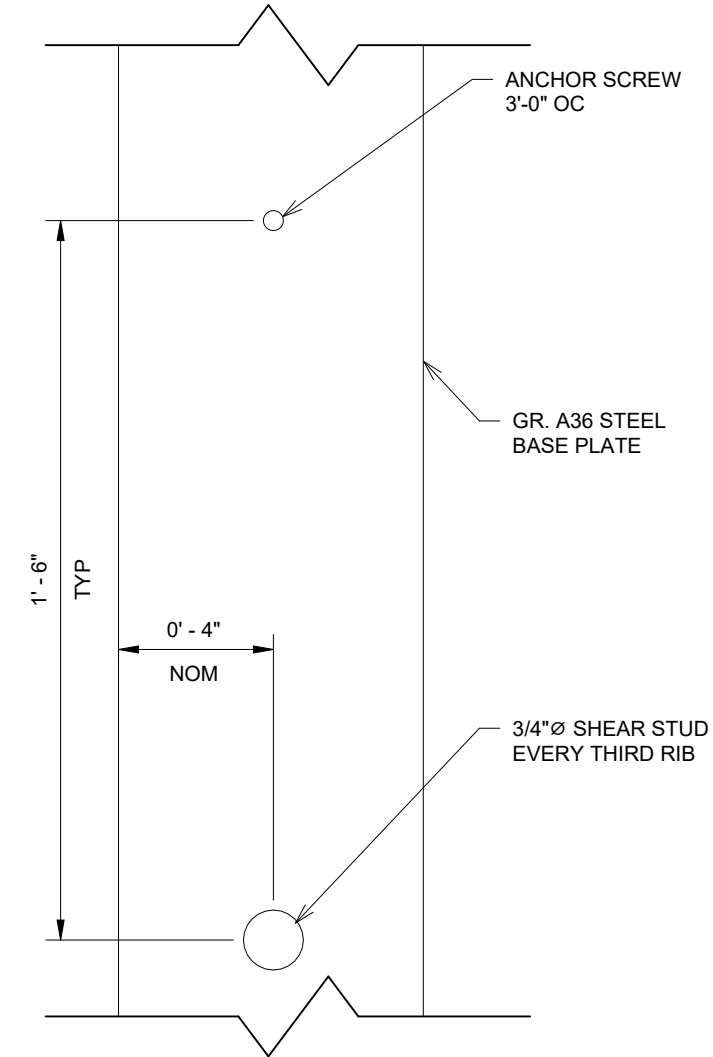
3 RESTROOM WALL FOUNDATION
 1 1/2" = 1'-0"



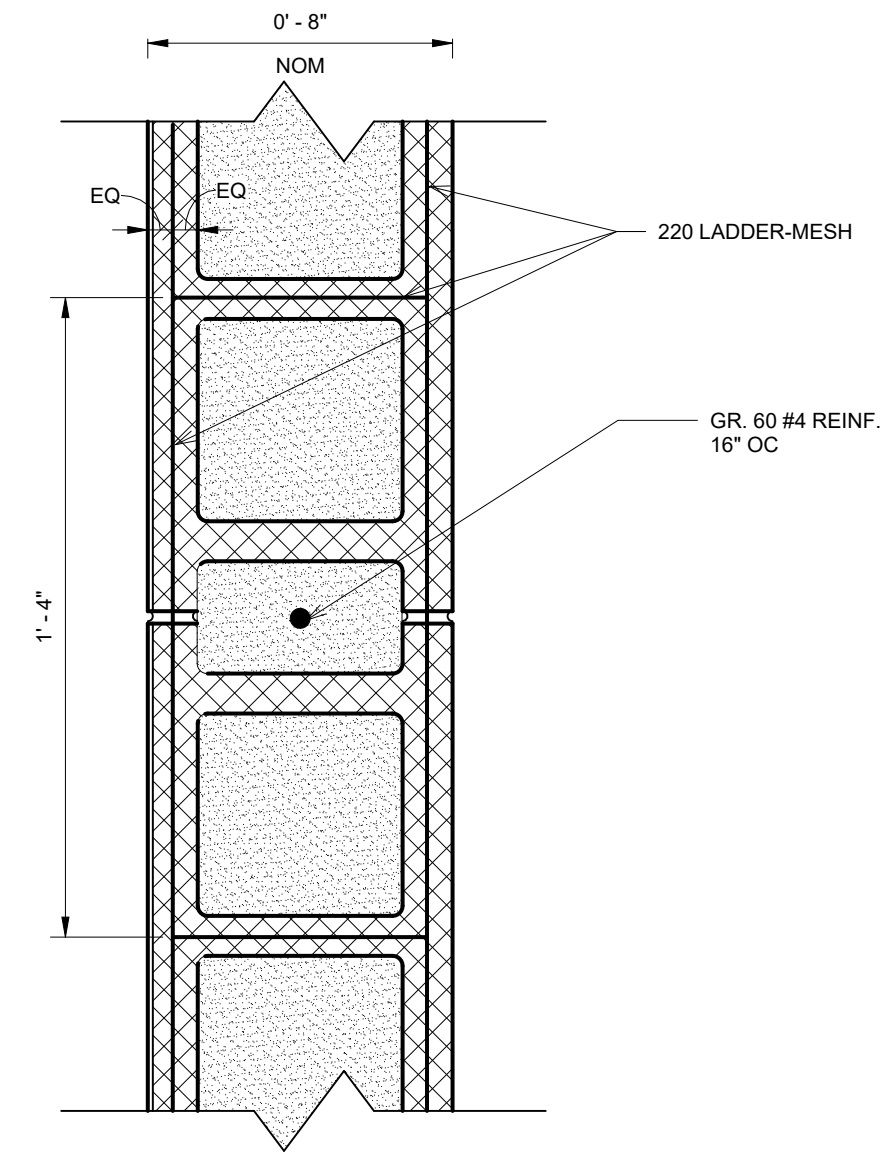
4 RESTROOM COLUMN FOUNDATION
 1 1/2" = 1'-0"



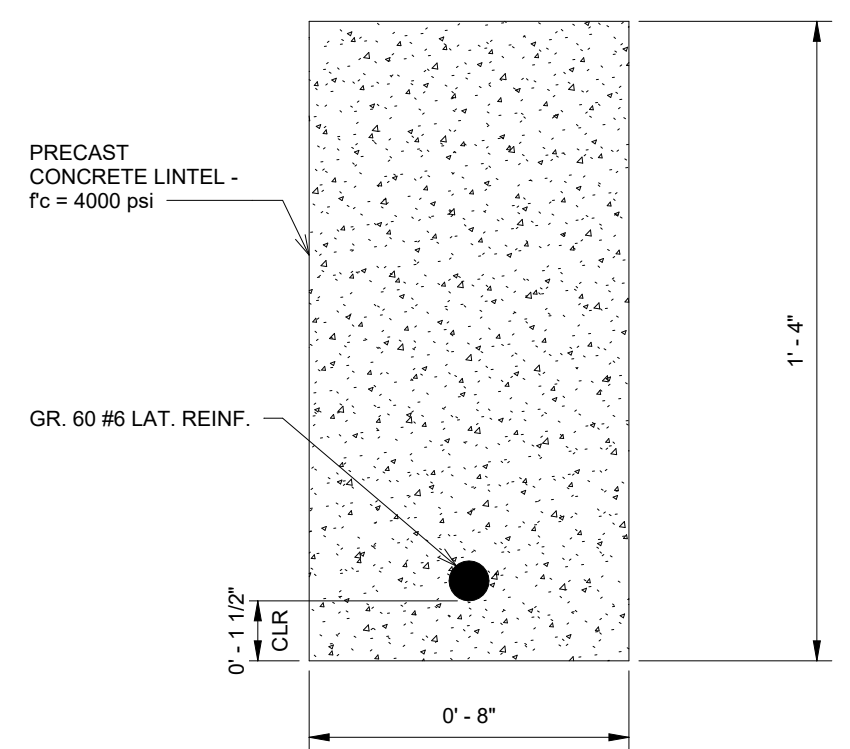
1 RESTROOM COLUMN FROM SIDE
3" = 1'-0"



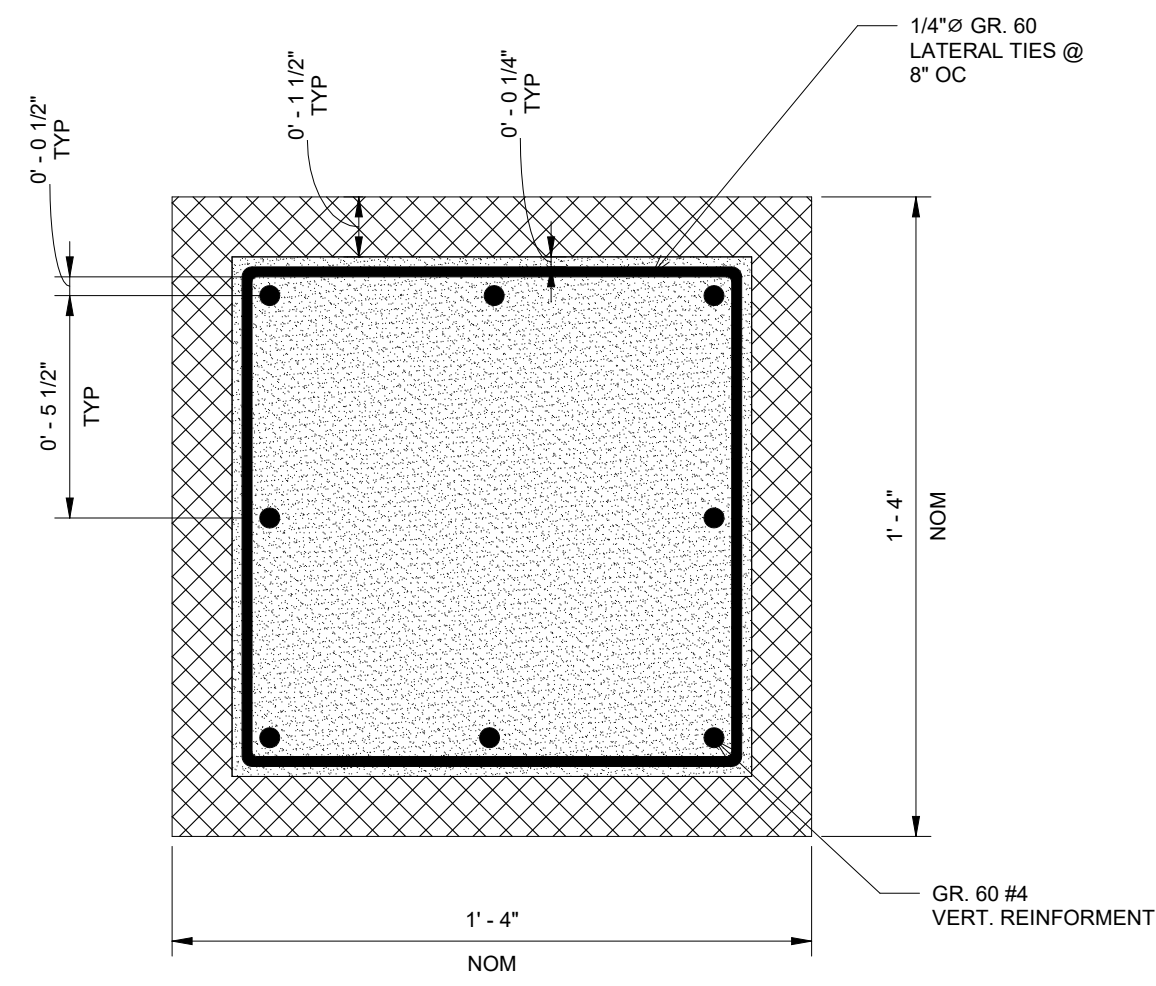
2 DECK SLAB BASE PLATE PLAN
3" = 1'-0"



3 CMU REINFORCEMENT
3" = 1'-0"



4 LINTEL SECTION
3" = 1'-0"



5 RESTROOM COLUMN CROSS SECTION
3" = 1'-0"

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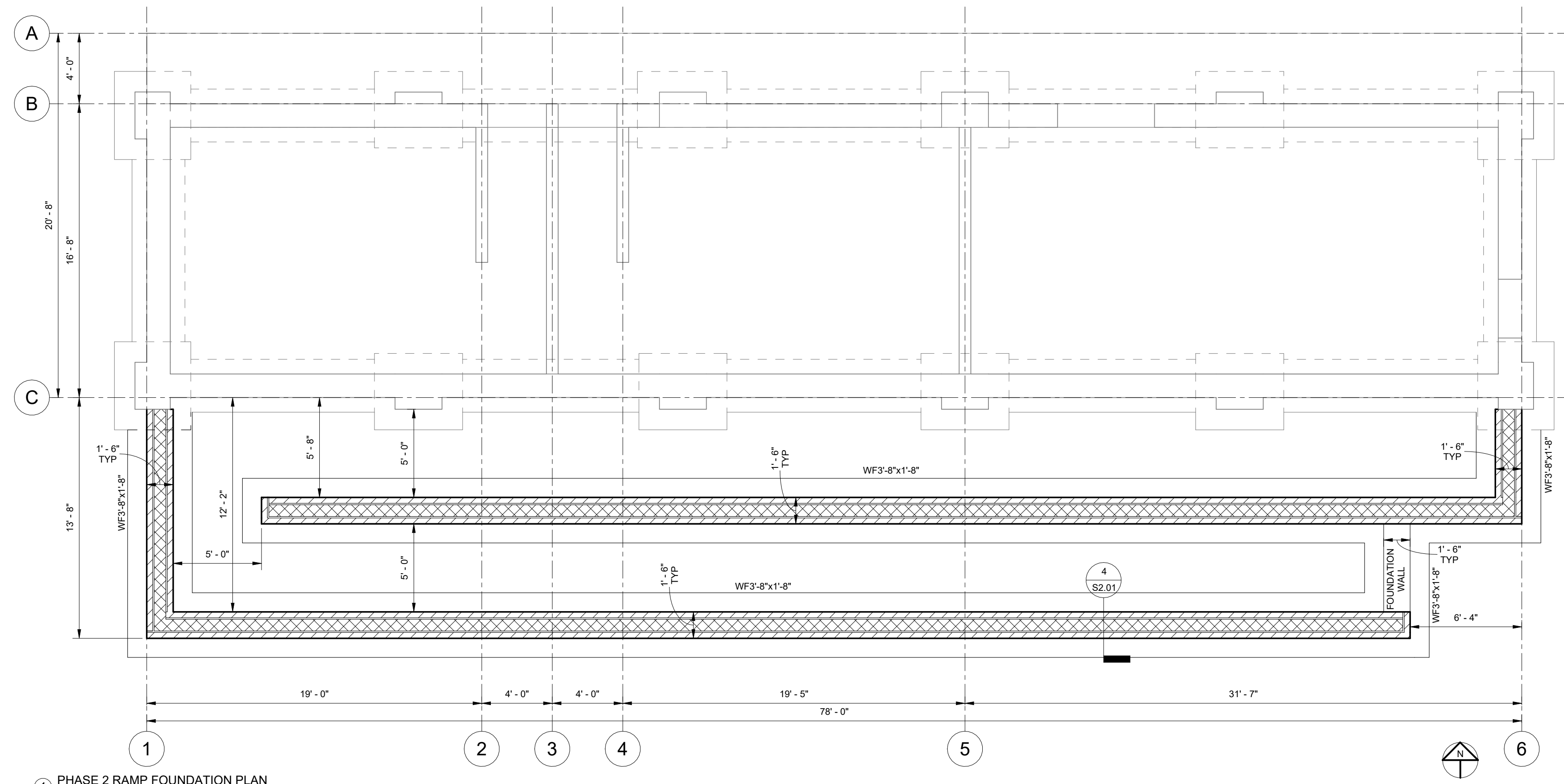
129 S MAIN ST
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SHEET NAME

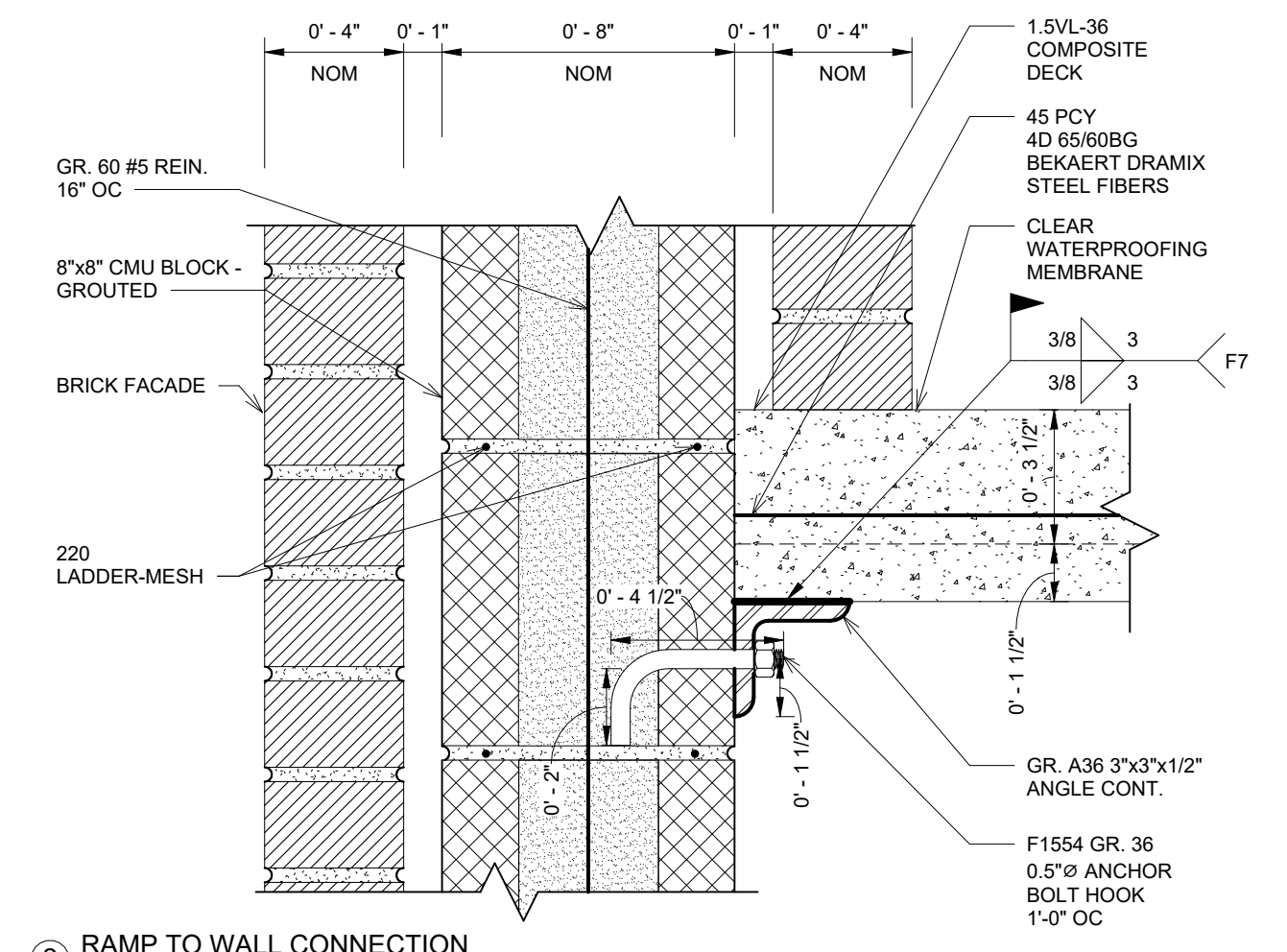
PHASE 1 RESTROOM
DETAILS

SHEET NO.

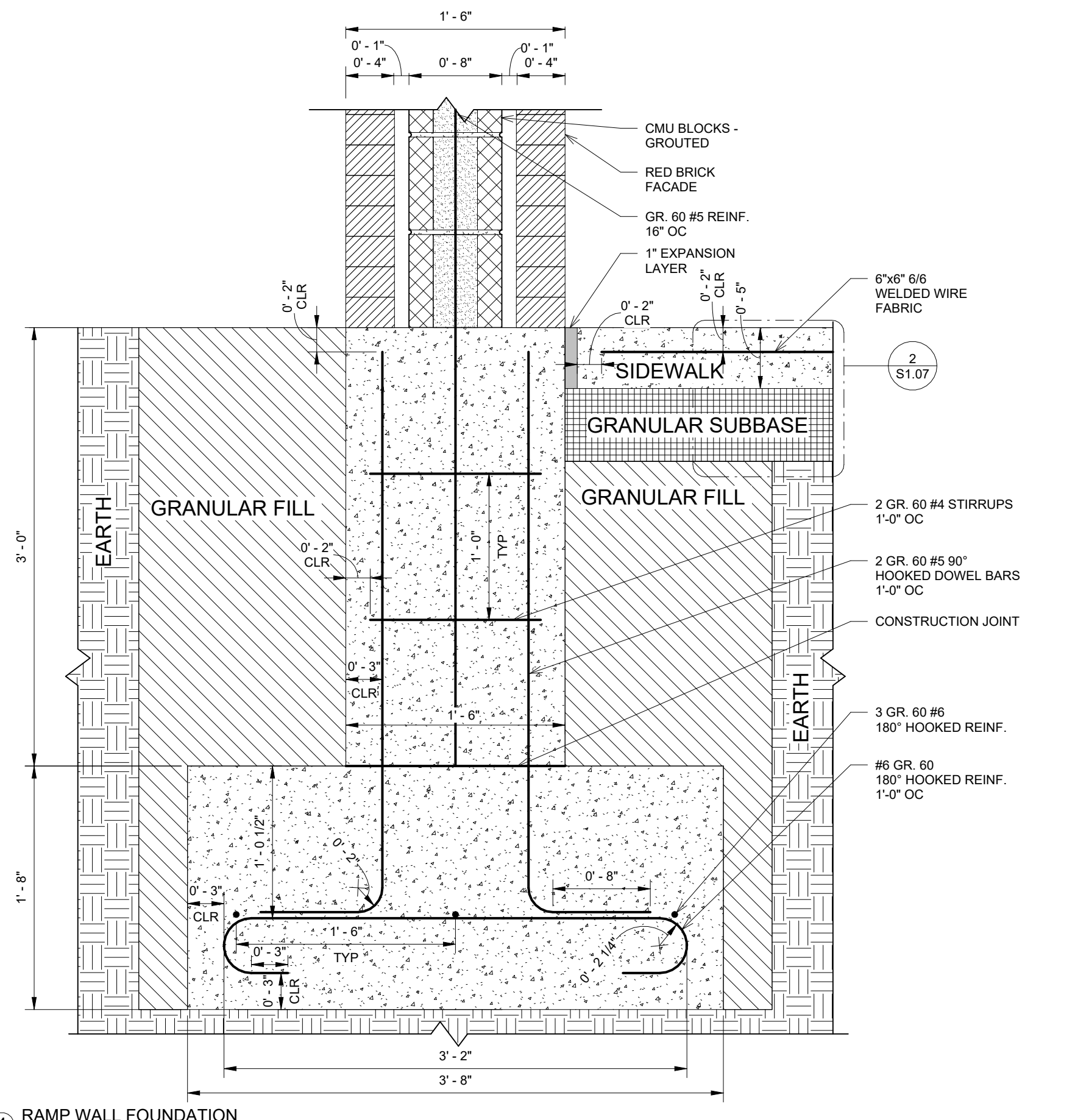
S1.08



1 PHASE 2 RAMP FOUNDATION PLAN
1/4" = 1'-0"



2 RAMP TO WALL CONNECTION
3" = 1'-0"



4 RAMP WALL FOUNDATION
1 1/2" = 1'-0"

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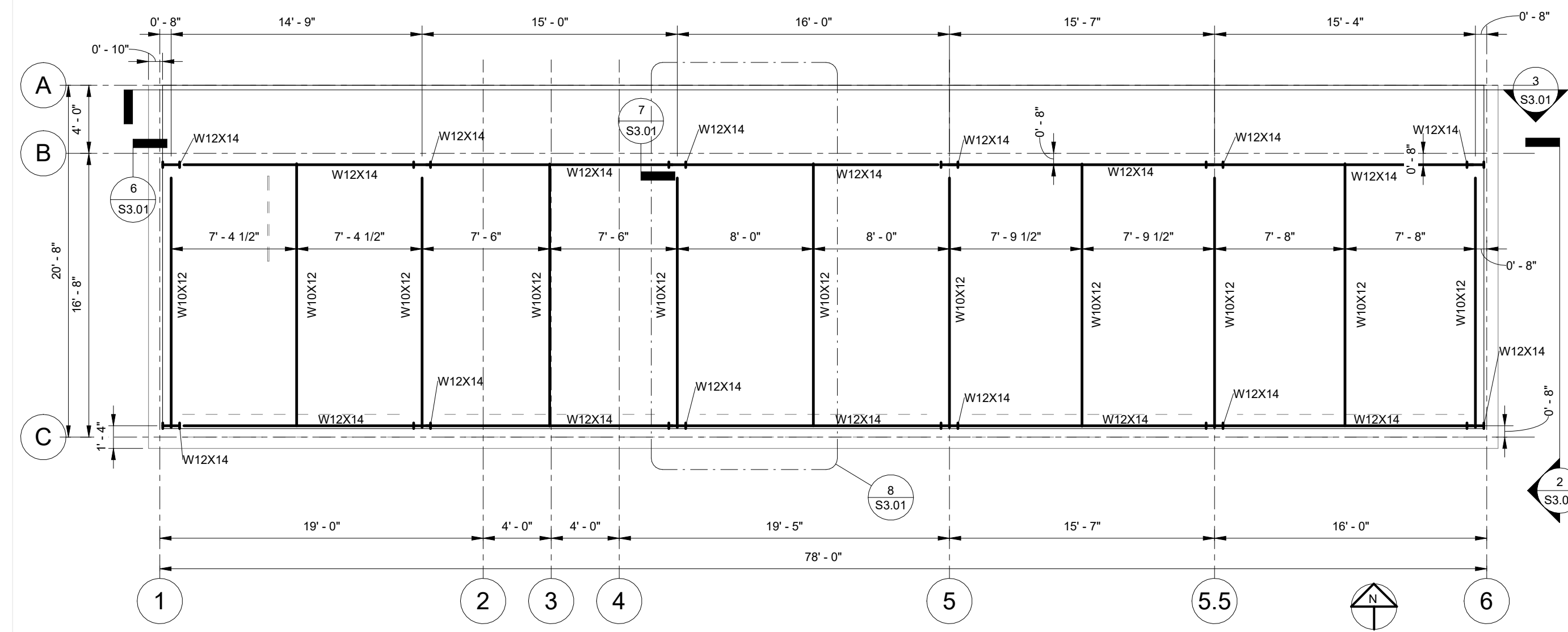
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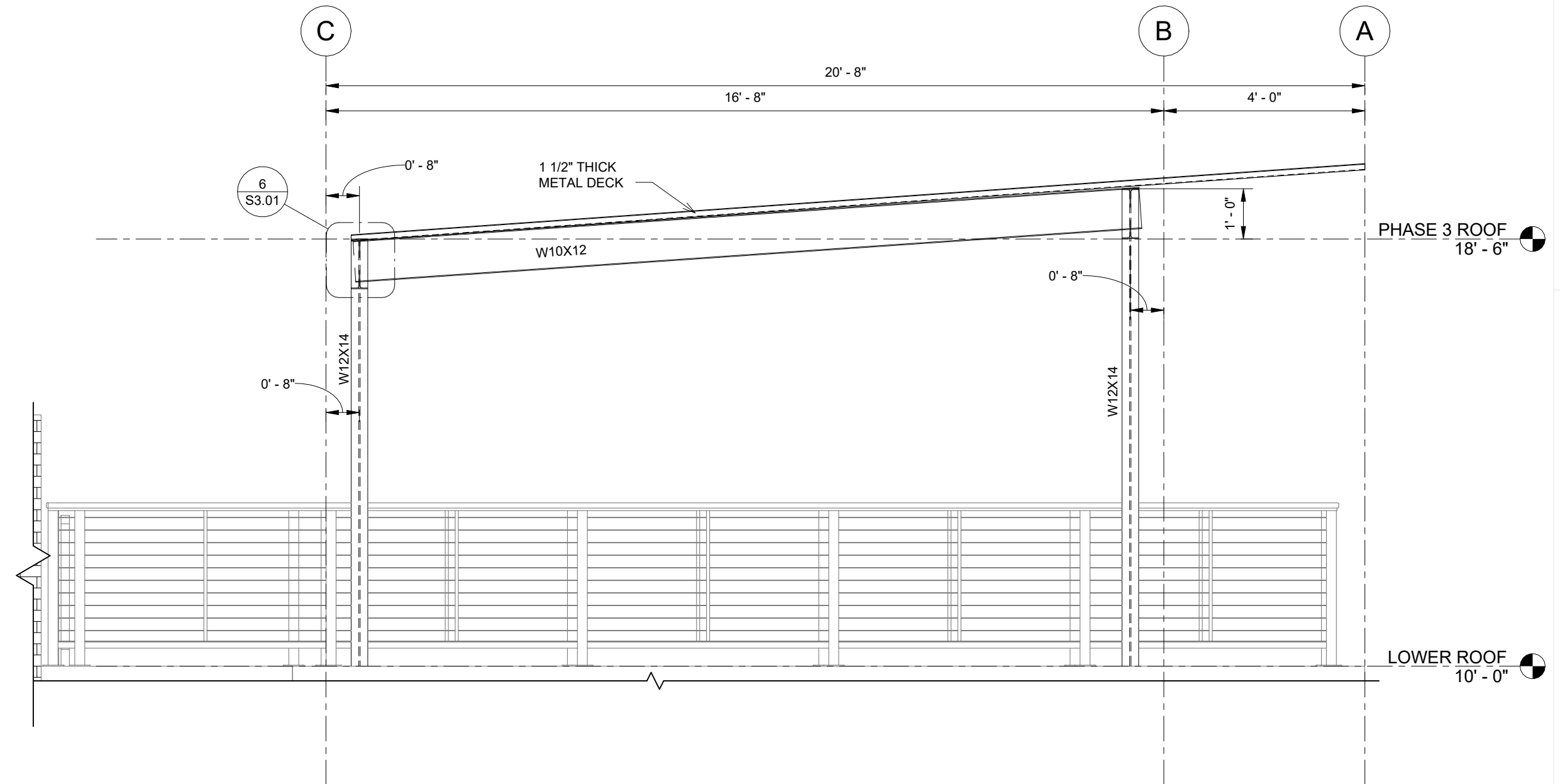
129 S MAIN ST
MAQUOKETA, IA

SHEET NAME
PHASE 2 RAMP
FOUNDATION PLAN
AND DETAILS

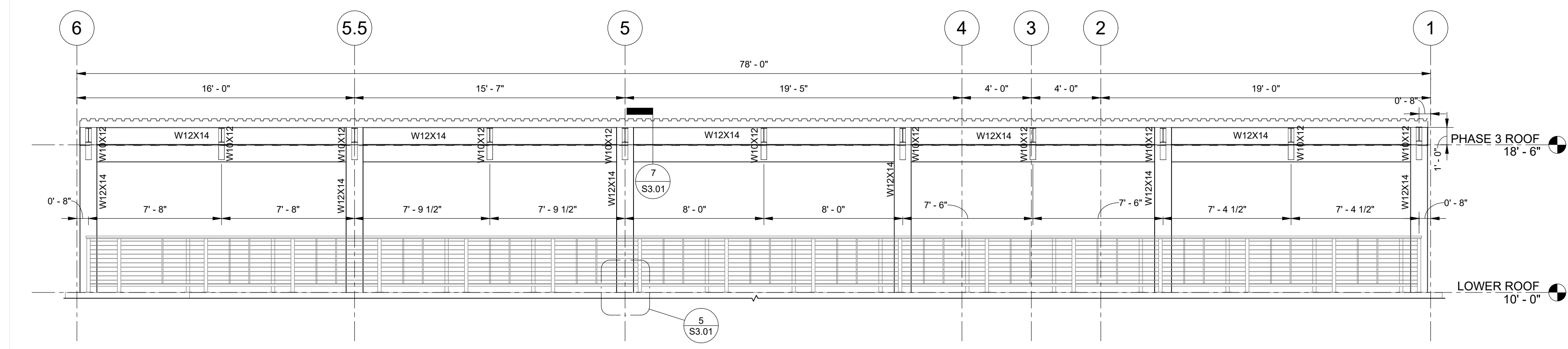
SHEET NO.
S2.01



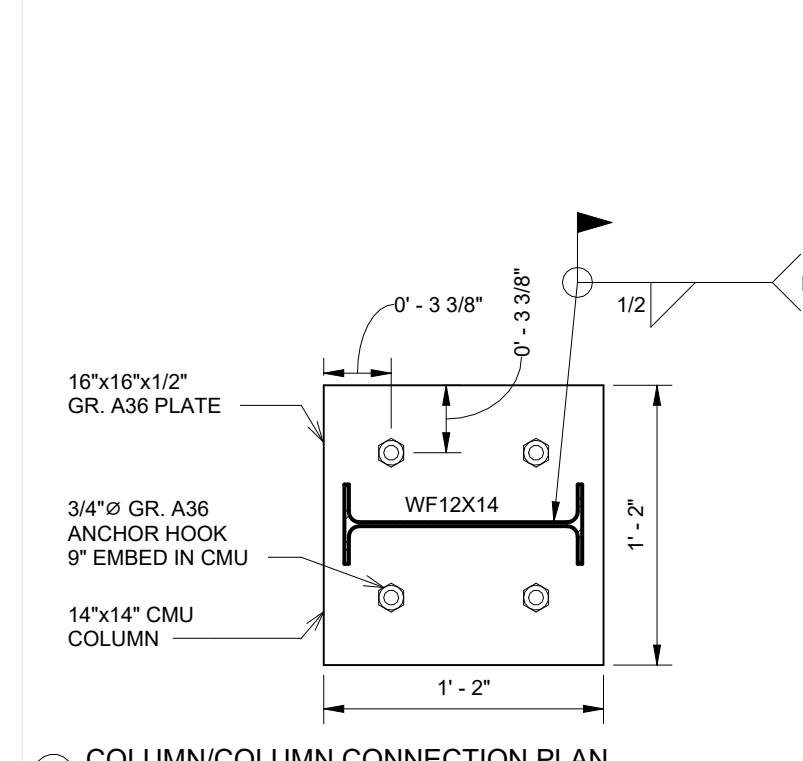
1 UPPER ROOF FRAMING PLAN
3/16" = 1'-0"



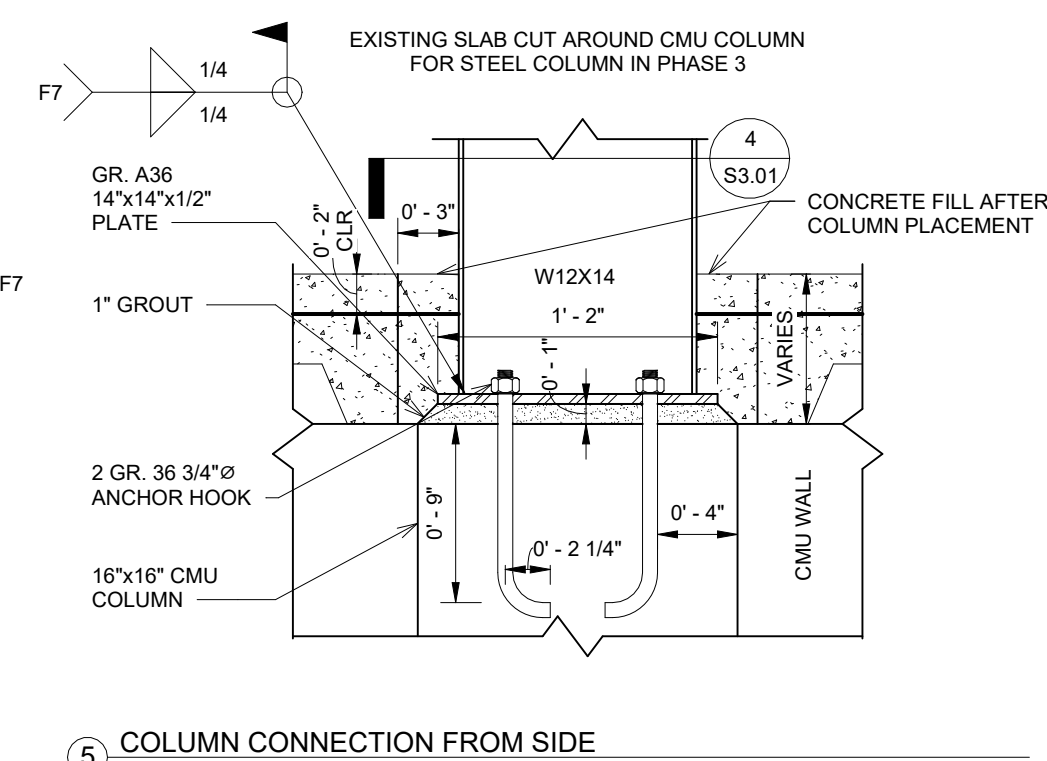
2 UPPER ROOF EAST ELEVATION
1/2" = 1'-0"



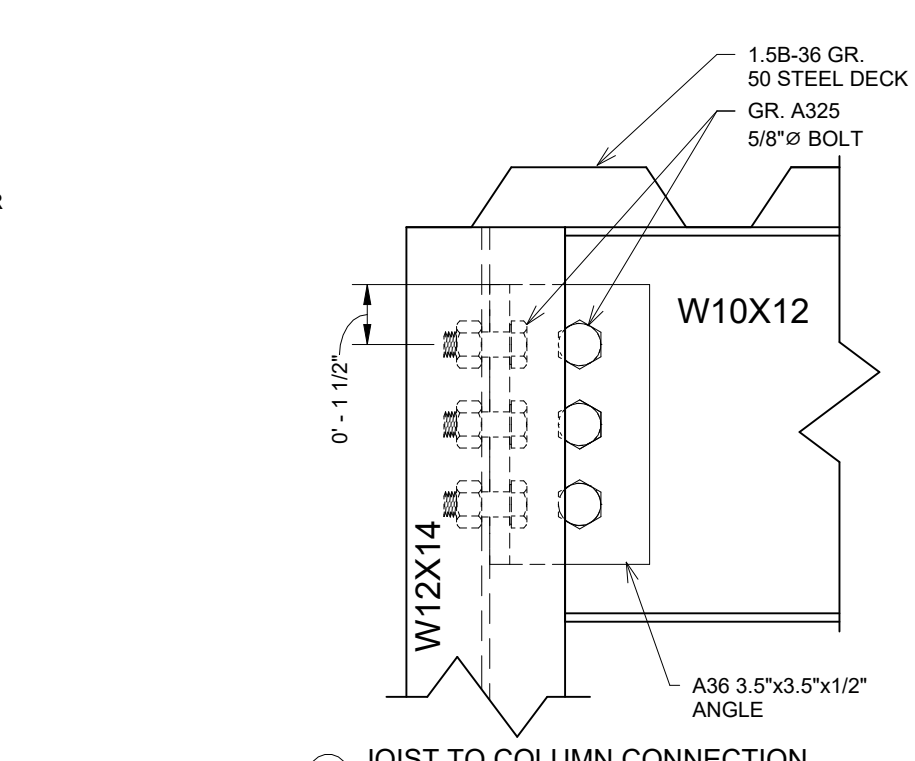
3 UPPER ROOF NORTH ELEVATION
1/4" = 1'-0"



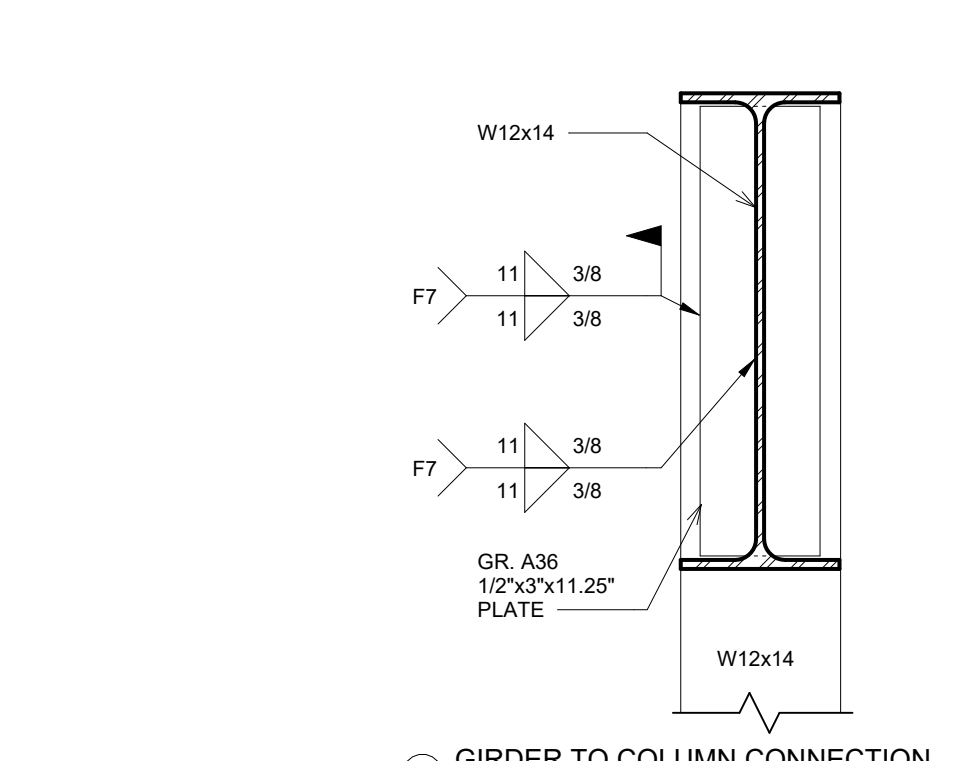
4 COLUMN/COLUMN CONNECTION PLAN
1 1/2" = 1'-0"



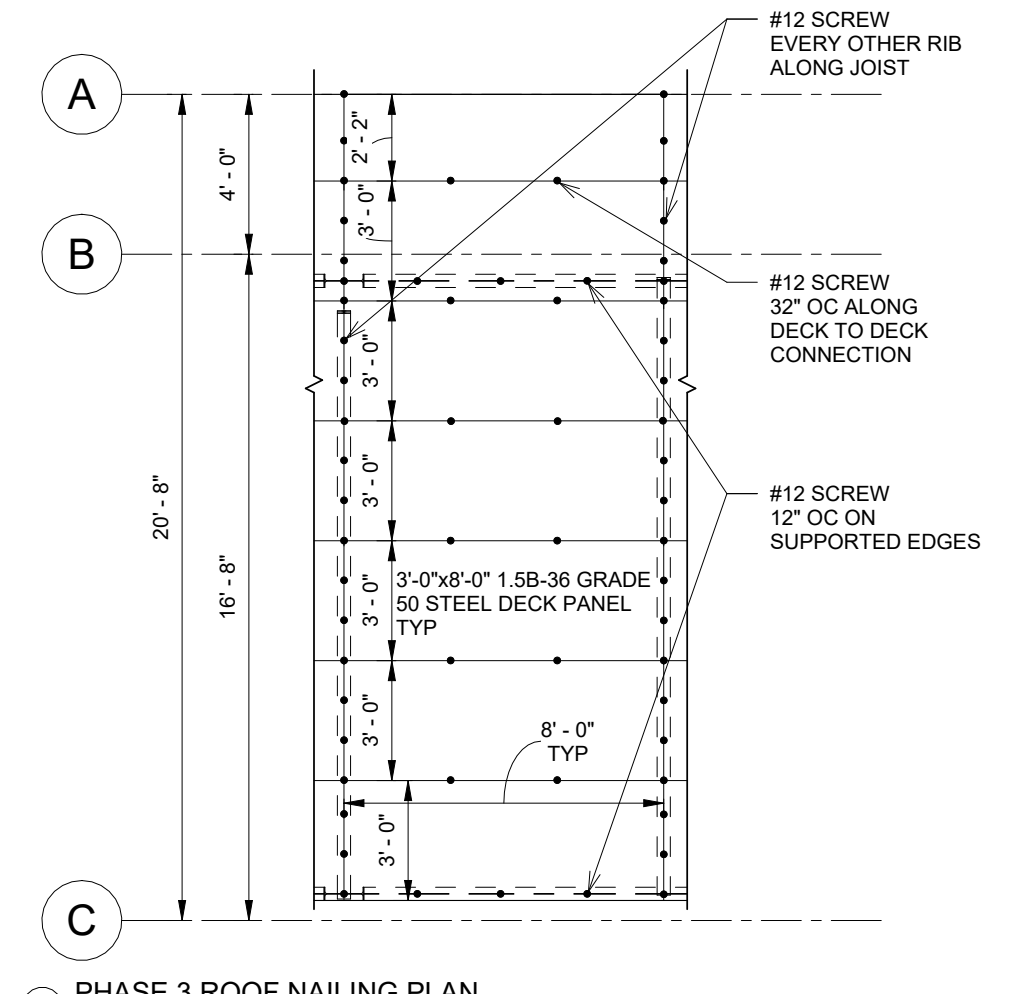
5 COLUMN CONNECTION FROM SIDE
1 1/2" = 1'-0"



6 JOIST TO COLUMN CONNECTION
3" = 1'-0"



7 GIRDER TO COLUMN CONNECTION
3" = 1'-0"



8 PHASE 3 ROOF NAILING PLAN
1/4" = 1'-0"

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SHEET NAME
PHASE 3 ROOF PLAN,
ELEVATIONS, AND DETAILS

SHEET NO.
S3.01