



**RUNDELL ERNSTBERGER
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Land Planning + Urban Design + Landscape Architecture
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additional offices in:
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PREPARED FOR:

City of Rapid City
Public Works Department
300 Sixth Street, Rapid City, SD 57701
TE [605] 394-4165 FX [605] 355-3083

Destination Rapid City
606 Main Street, Rapid City, SD 57701
TE [605] 716-7979 FX [605] 341-6415

CONSULTANTS:

FourFront Design, Inc.
Architecture and Civil Engineering
517 Seventh Street
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Skyline Engineering, LLC
Electrical and Mechanical Engineering
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Albertson Engineering, Inc.
Structural Engineering
3202 W Main Street, Suite C
Rapid City, SD 57702
TE [605] 343.9606 FX [605] 341.7395

PROJECT:

**Main Street Square
Site Development
Rapid City, South Dakota**



0' 10' 20' 40'
SCALE: 1"=20'

REVISIONS:

NO.	BY	DESCRIPTION	DATE
1	REA	50% CONSTRUCTION DRAWINGS REVIEW SET	6/23/10
2	REA	80% CONSTRUCTION DRAWINGS REVIEW SET	7/16/10

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DRAWING NAME:

Building Sections

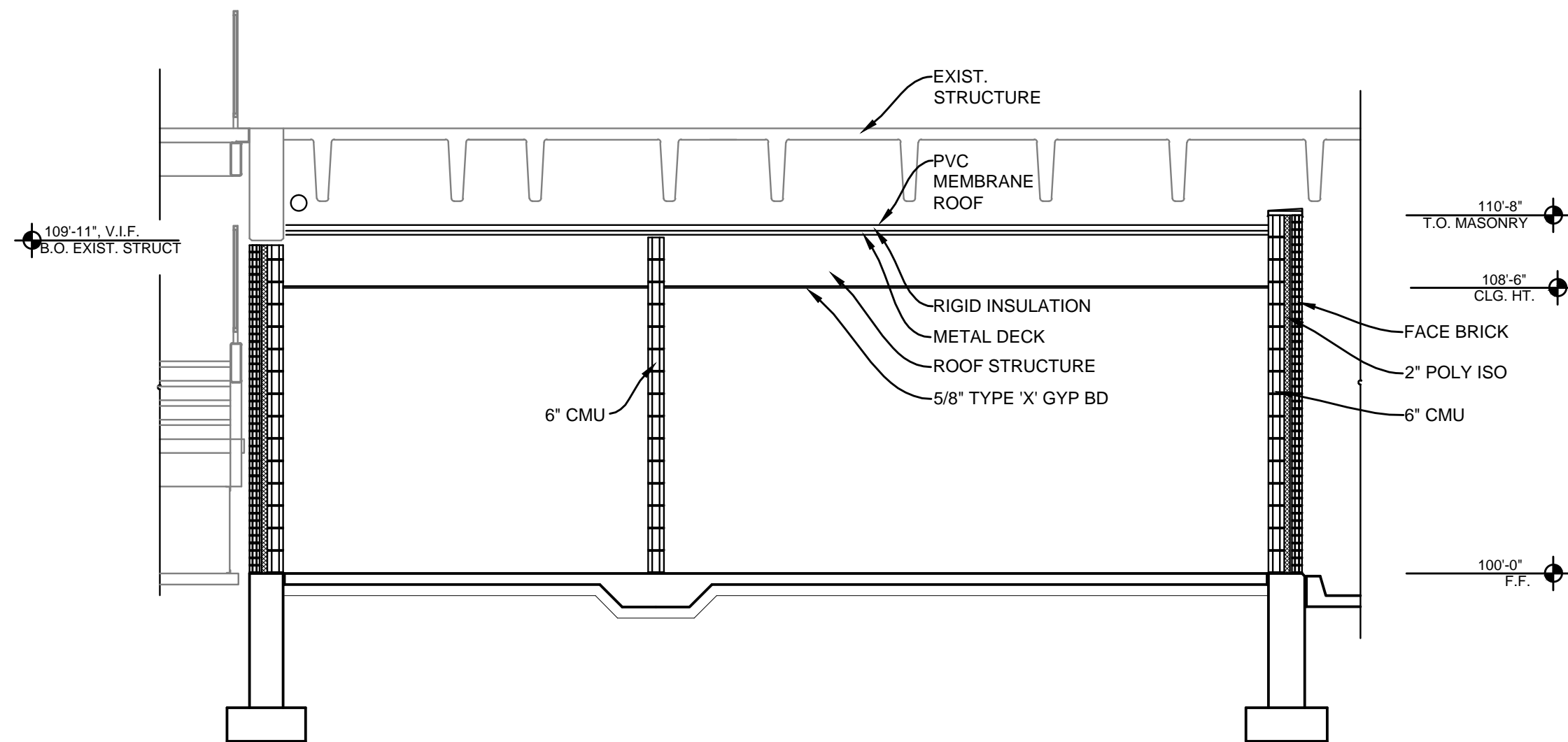
CERTIFICATION:

**80% CDs
OWNER
REVIEW SET**

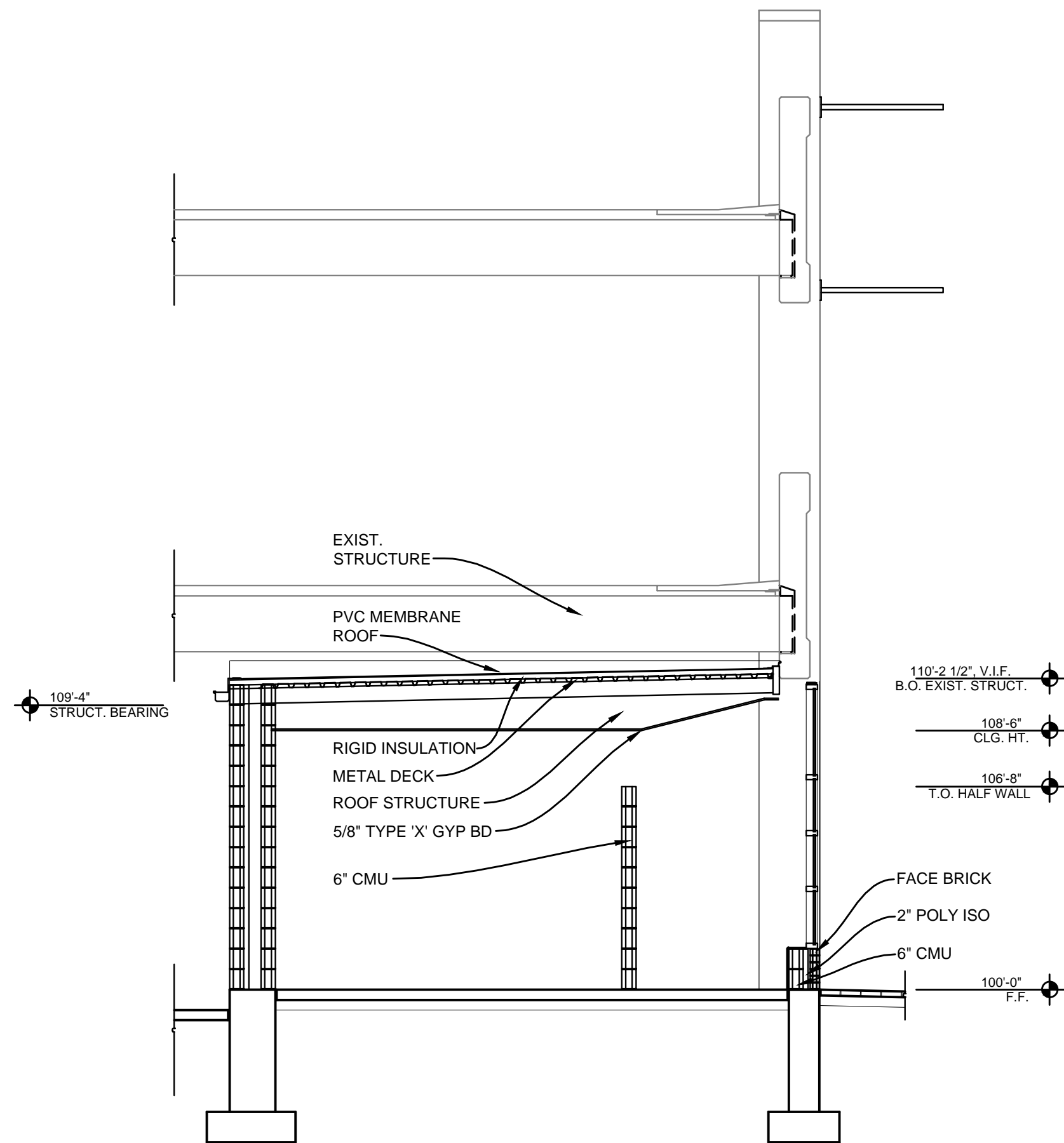
City #: _____
Project No.: 091131
Date: July 14, 2010
Drawn by: _____
Checked by: _____
File: 1592_A3.00.dwg

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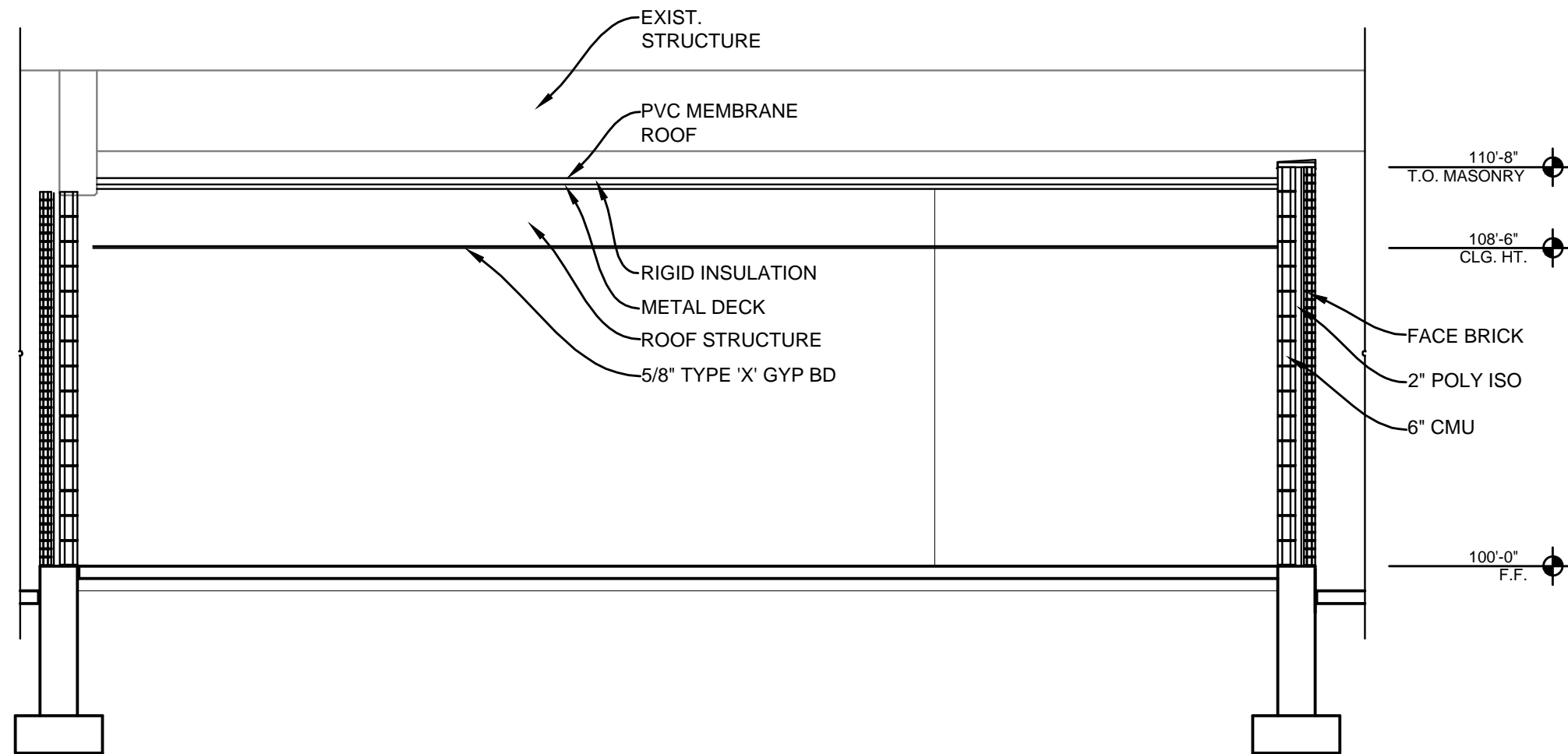
A3.00



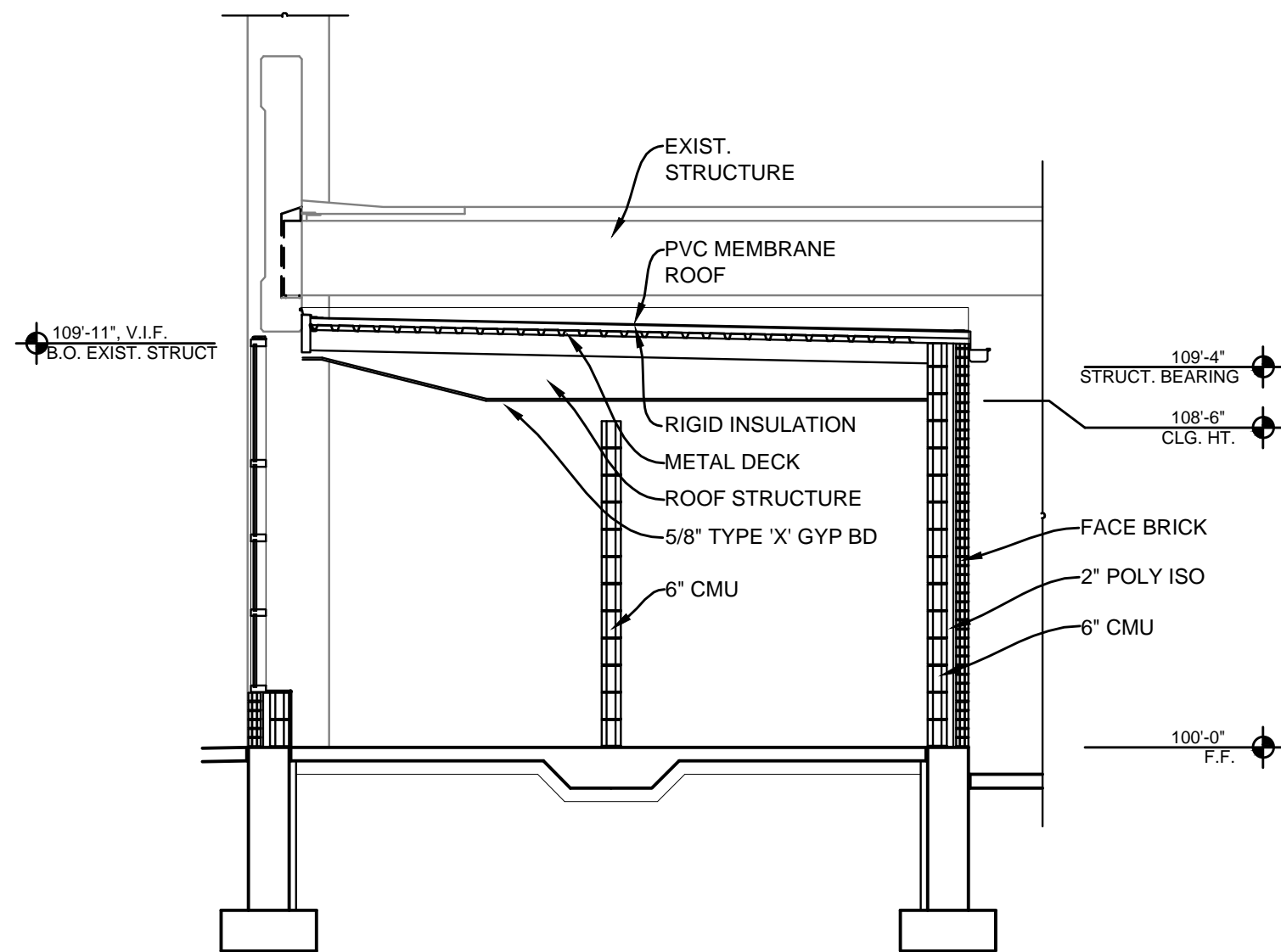
1 BUILDING SECTION
A3.00 1/4" = 1' - 0"



2 BUILDING SECTION
A3.00 1/4" = 1' - 0"



3 BUILDING SECTION
A3.00 1/4" = 1' - 0"



4 BUILDING SECTION
A3.00 1/4" = 1' - 0"

BUILDING CODE SUMMARY
2006 INTERNATIONAL BUILDING CODE

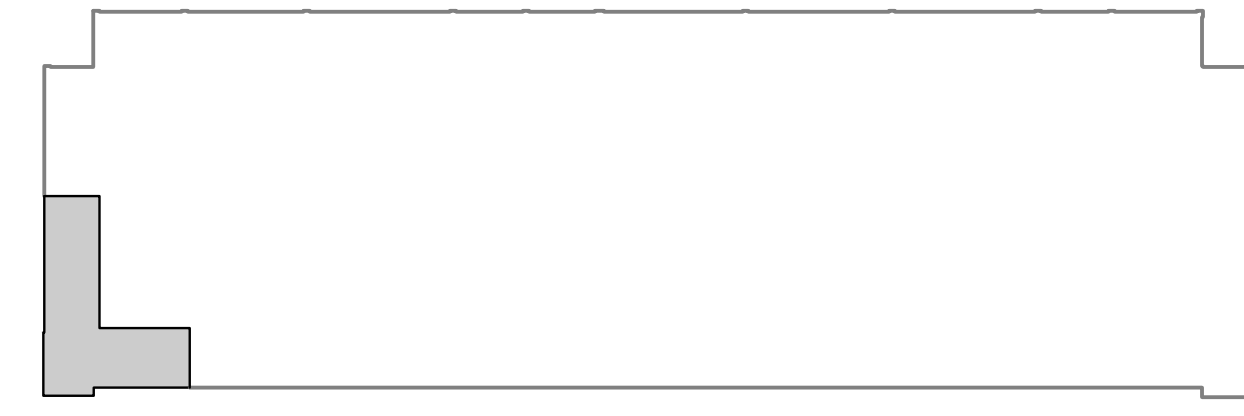
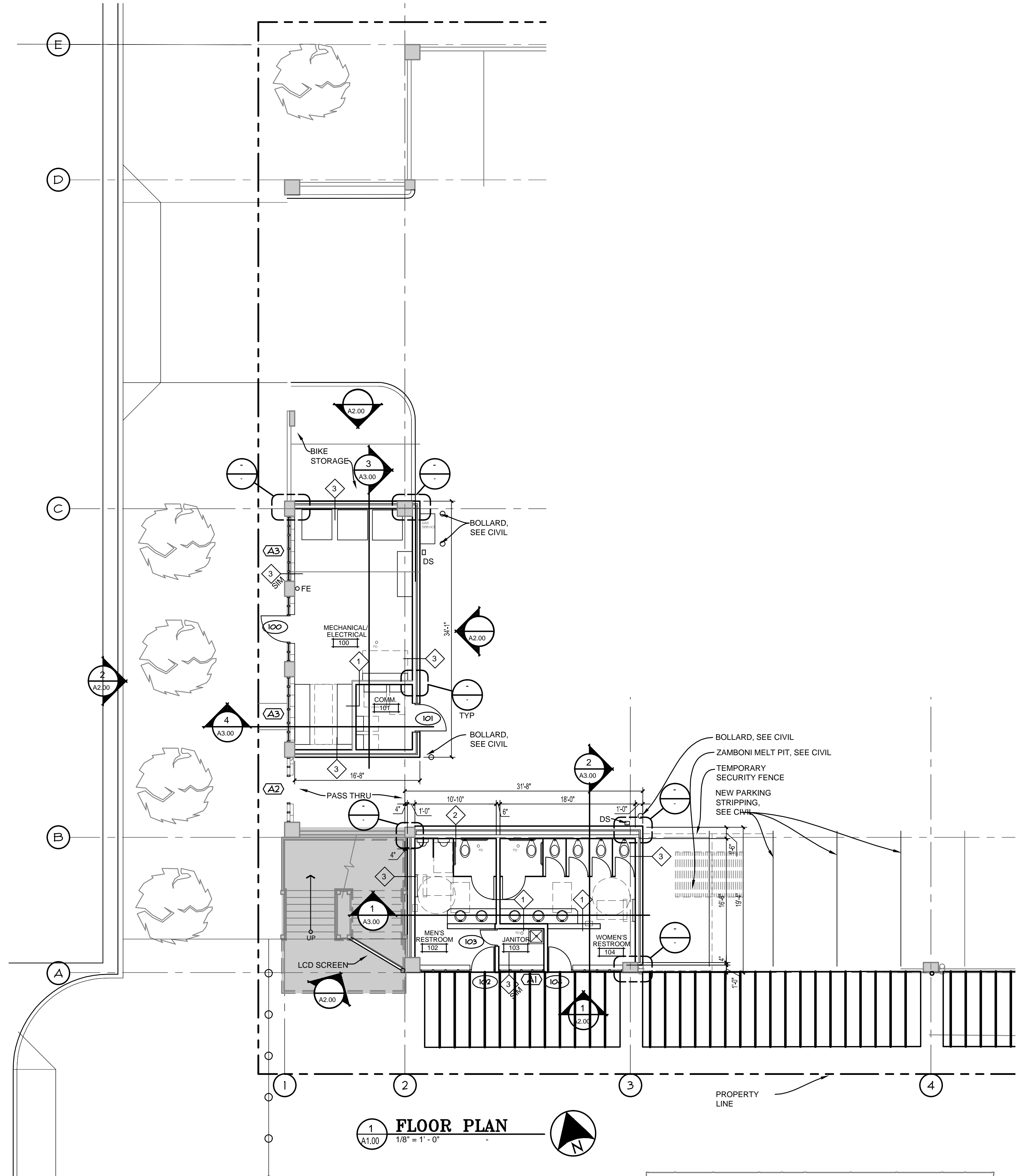
Project Name: **MAIN STREET SQUARE**
A/E Project No.: **09.1592.L01**
Prepared By:
Date:

- Occupancy Group: (Sections 303) Groups S-2. Existing Parking Garage: S-2
- Type of Construction: (Section 602.2, and Table 503) - Type II-B
- Fire Resistance of Exterior Walls: (Section 704.5, Table 602)
Toilet Rooms per Single Use exception 1 (406.3.5.1)
North Wall - 0 Hours
East Wall - 0 Hours
South Wall - 0 Hours
West Wall - 0 Hours
Mechanical Room per Alternative materials, design and methods of construction (104.11)
North Wall - 2 Hours
East Wall - 2 Hours
South Wall - 2 Hours
West Wall - 0 Hours
Roof-Ceiling - 2 hours
- Allowable Floor Area: (Table 406.3.5 - Open Parking Garages)
Basic Allowable Area - Type II-B: Group S-2 Occupancy = 50,000 s.f./floor
Sprinkler Increase: N/A
Frontage Increase: I_f = N/A
Total Allowable Area: 50,000 s.f.
Actual Floor Area: 48,500 s.f.
- Allowable Stores/Height: (Table 406.3.5 - Open Parking Garages)
Basic Allowable Height - Type II-B: Group S-1 = 8 Tiers
Actual Stories/Height - Type II-B: Groups S-1 Occupancies = 3 Tiers
- Mixed Occupancies: N/A
- Occupancy Separations - Single Use - as per Section 406.3.5.1 exception.
- Type of Construction: Fire-Resistive Requirements (Section 602.1, Table 601)

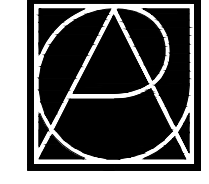
Element	= Tlts/Mech
A. Exterior Walls - Bearing	= 0/0 Hours
B. Interior Walls - Bearing	= 0/0 Hours
C. Exterior Walls - Non-Bearing	= 0/0 Hours
D. Interior Walls - Non-Bearing	= 0/0 Hours
E. Structural Frame	= 0/0 Hours
F. Shaft Enclosures	= 0/0 Hours (Section 707)
G. Roofs/Roof-Ceiling	= 0/0 Hours
- Fire-Resistant Materials and Construction: (Chapter 7)
Fire Resistive Assemblies as per Section 703. Fire Barriers - Section 706, Penetrations - Section 712.
Fire-Resistive Joint Systems - Section 713, Opening protectives- Section 715, Ducts and Air Transfer Openings - Section 716.
- Fire Protection Requirements - (Section 903) - N/A
- Exiting: (Chapter 10)

A.	Maximum Floor Area Allowances: (Table 1004.1.1)
B.	Exits Required/Width: (Section 1005, Table 1005.1)
C.	Exit Separation: (Section 1015.2.1)

GENERAL NOTES:
1. SEE REFLECTED CEILING PLAN FOR CODE INFORMATION
2. SEE SHEET A1.01 FOR WALL TYPES.
3. 2" RIGID INSULATION UNDER TOILET ROOMS FLOOR SLAB, SEE BUILDING SECTIONS.



KEY PLAN
NTS

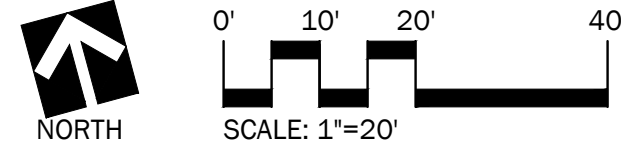


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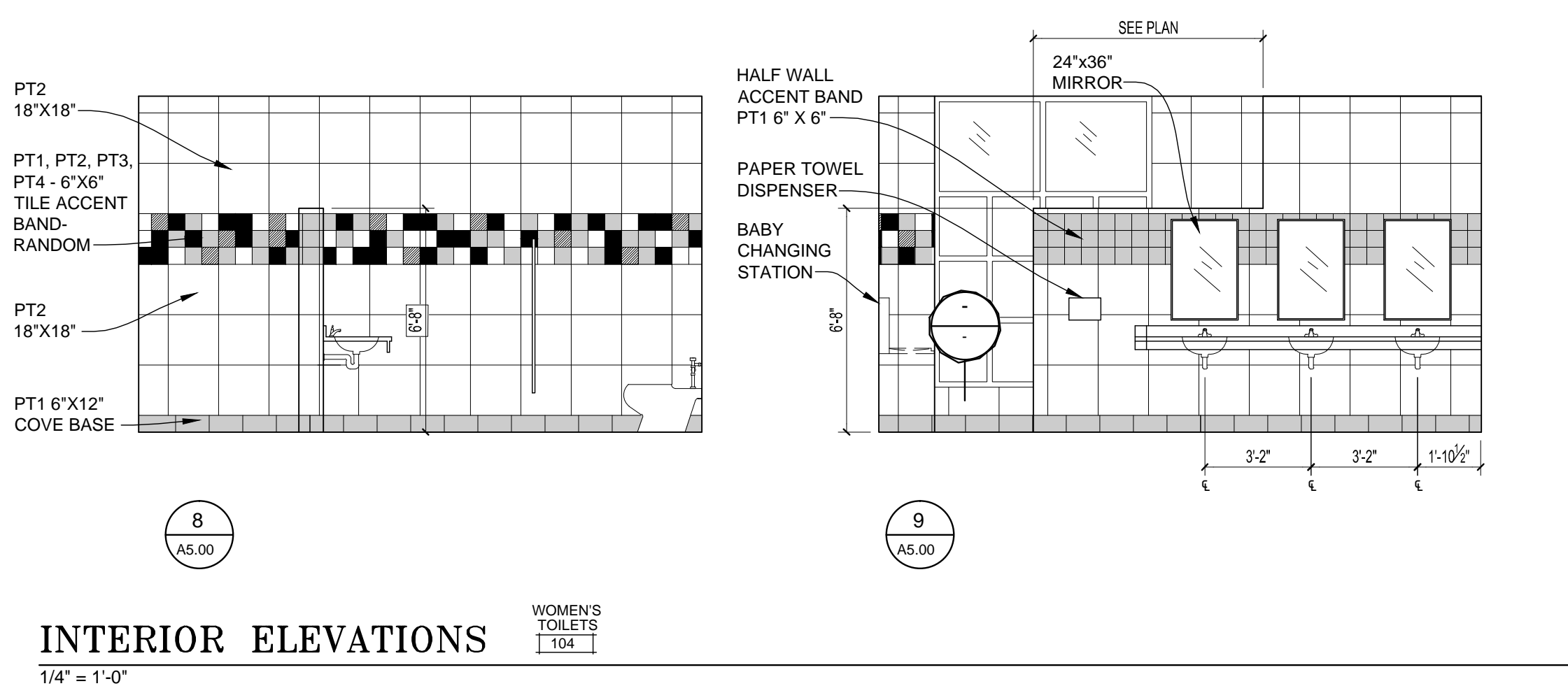
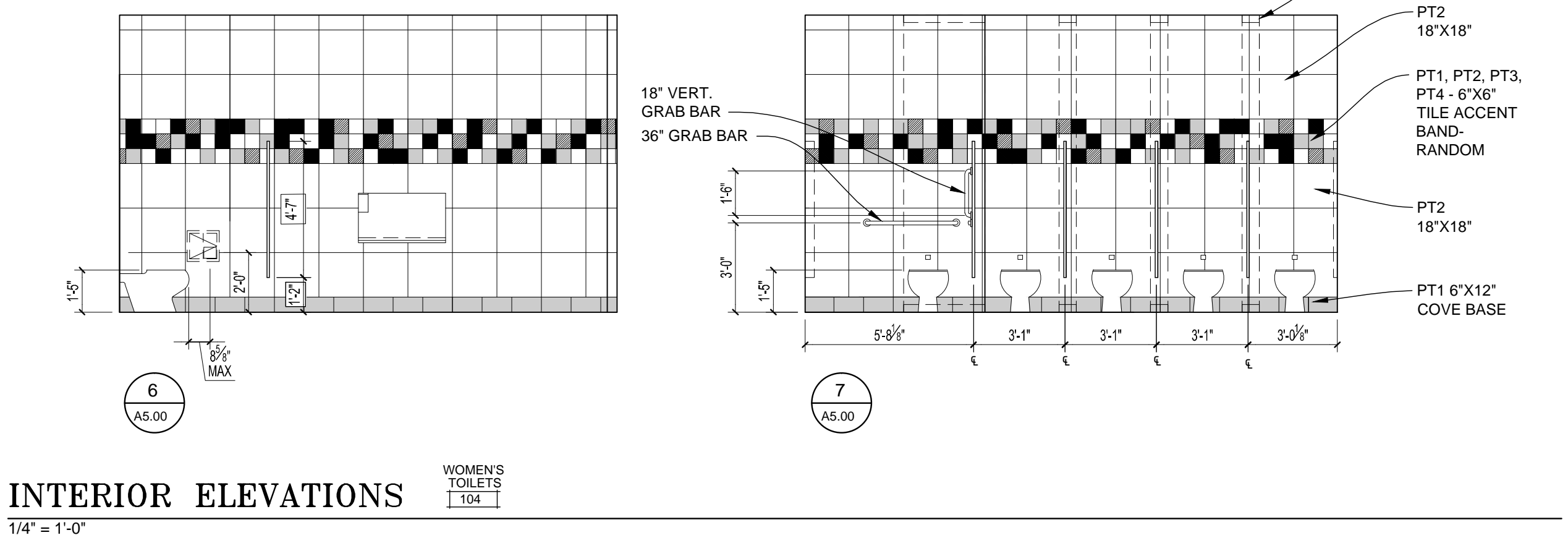
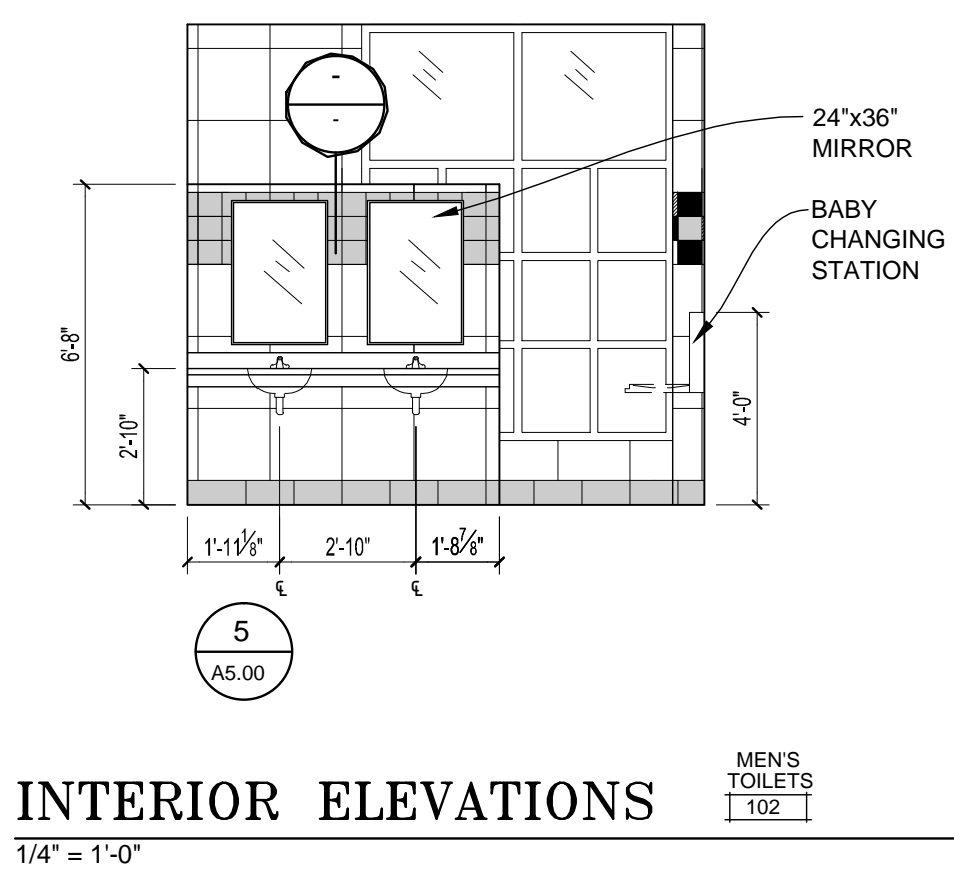
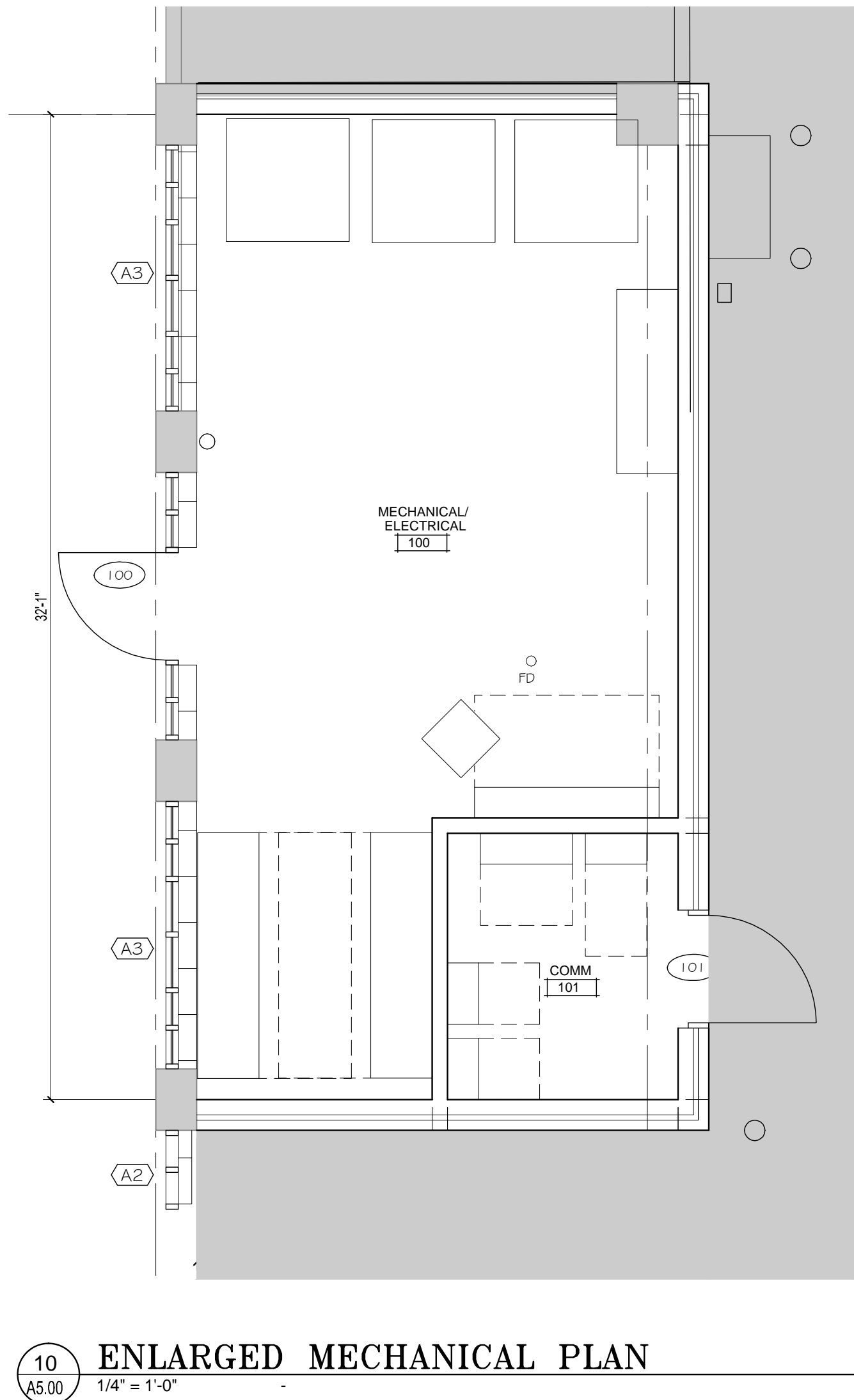
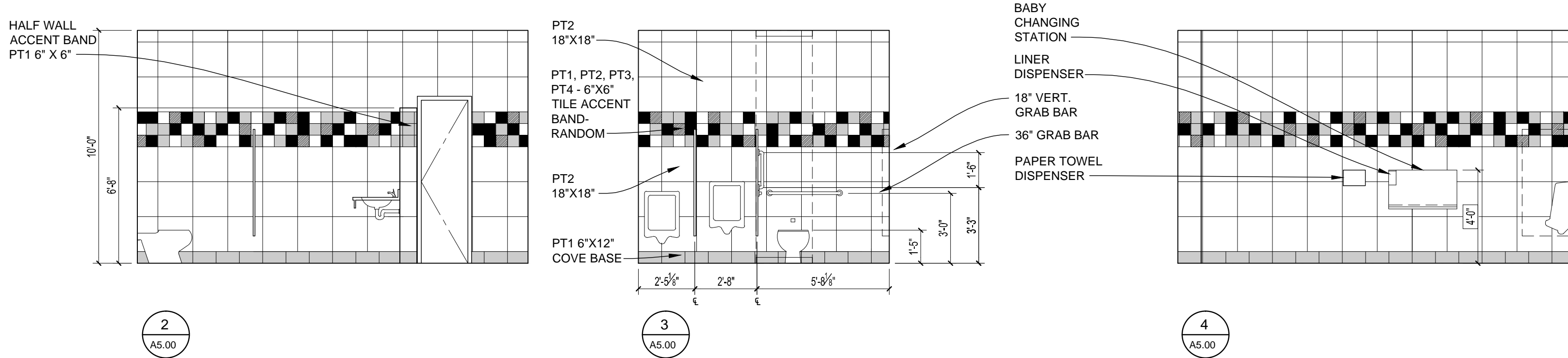
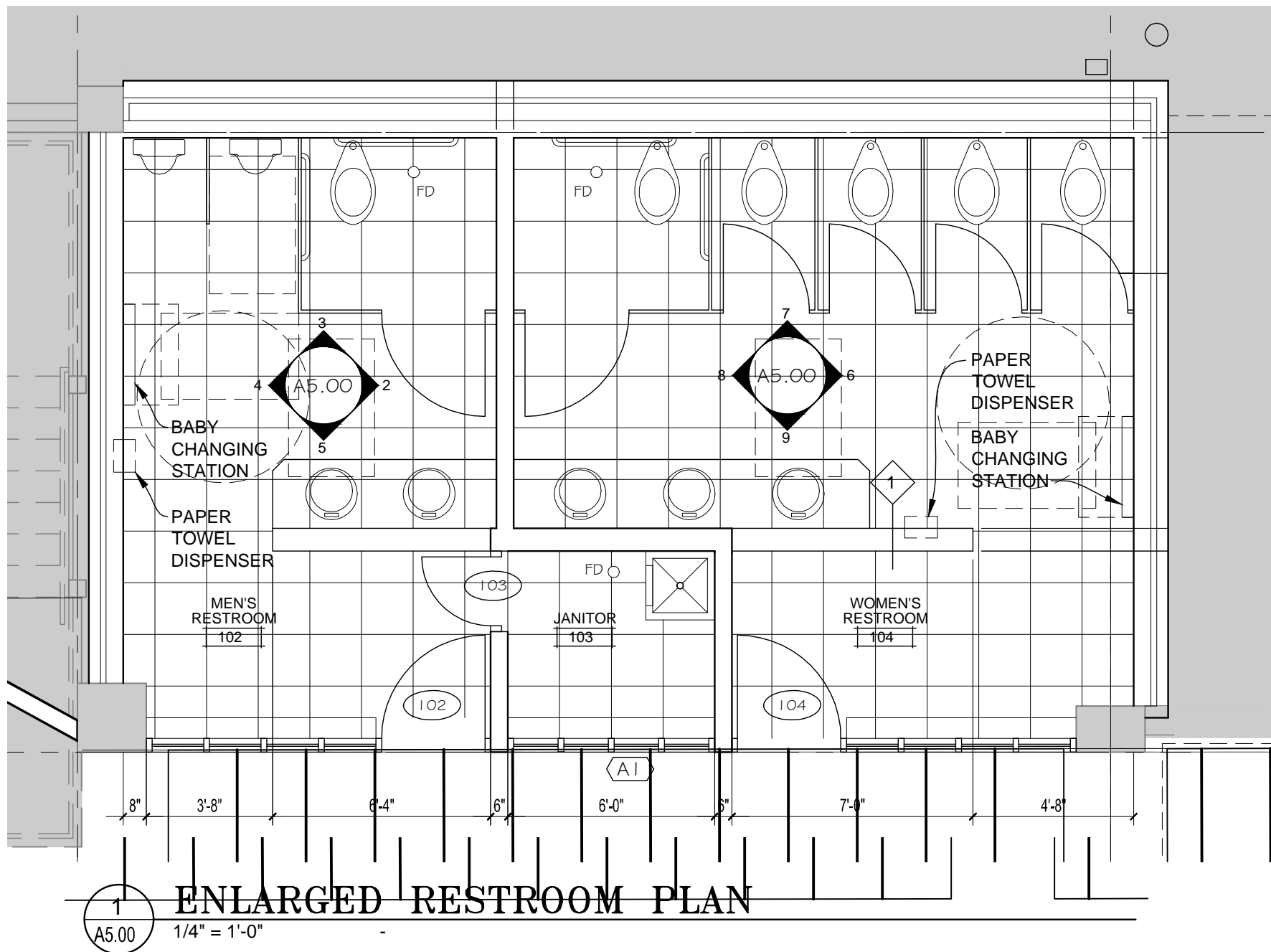
PROJECT:
**Main Street Square
Site Development
Rapid City, South Dakota**



REVISIONS:			
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DRAWING NAME: Floor Plan	
CERTIFICATION: 80% CDs OWNER REVIEW SET	City #: Project No.: 091131 Date: July 11, 2010 Drawn by: PMA Checked by: DDR File: 1592_A1.00.dwg DRAWING #: A1.00



GENERAL NOTES:
1. SEE FLOOR PLAN SHEET A1.00 FOR WALL TYPES.



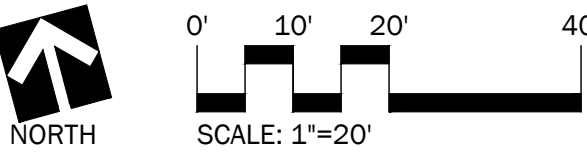
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DRAWING NAME:
Interior Elevations
CITY #:
Project No.: 091131
Date: July 14, 2010
Drawn by: —
Checked by: —
File: 1592_A5.00.dwg
DRAWING #:

80% CDs
OWNER REVIEW SET

A5.00



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CONSULTANTS:

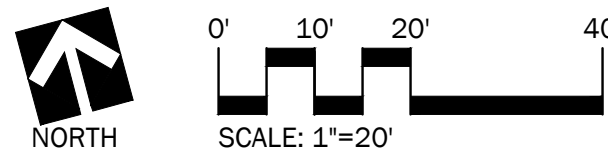
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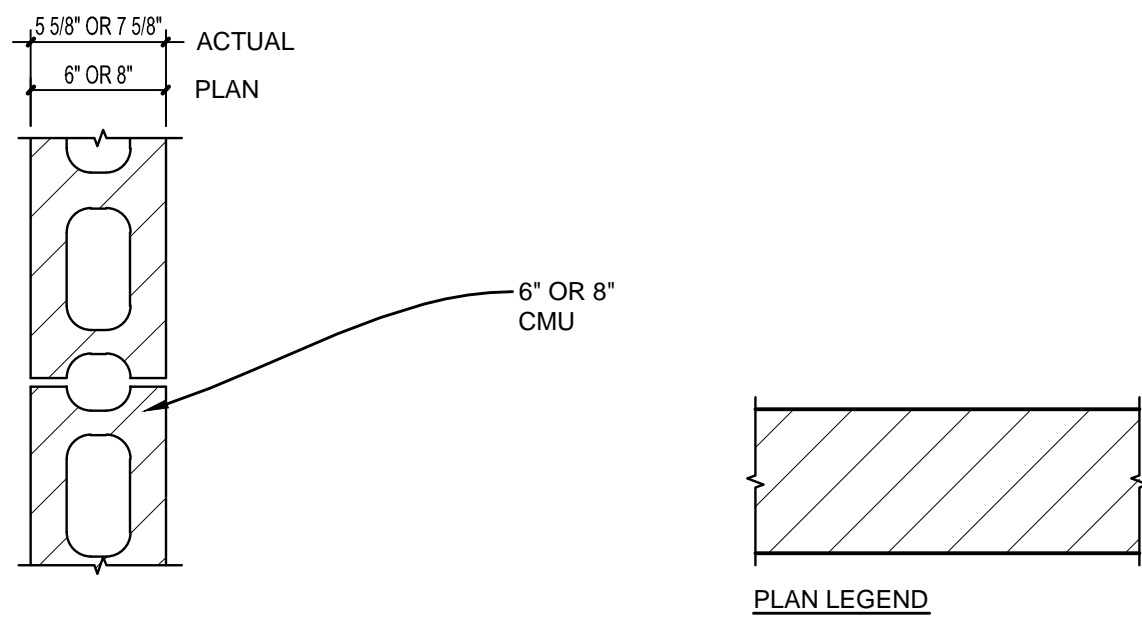
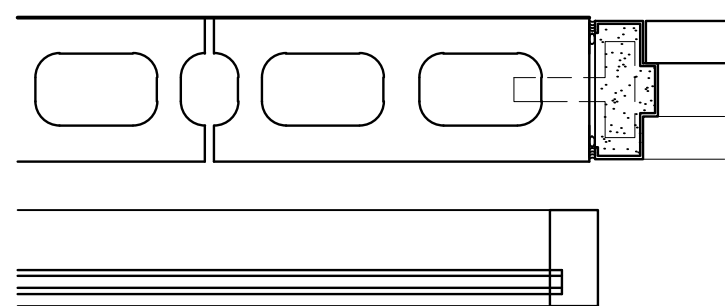
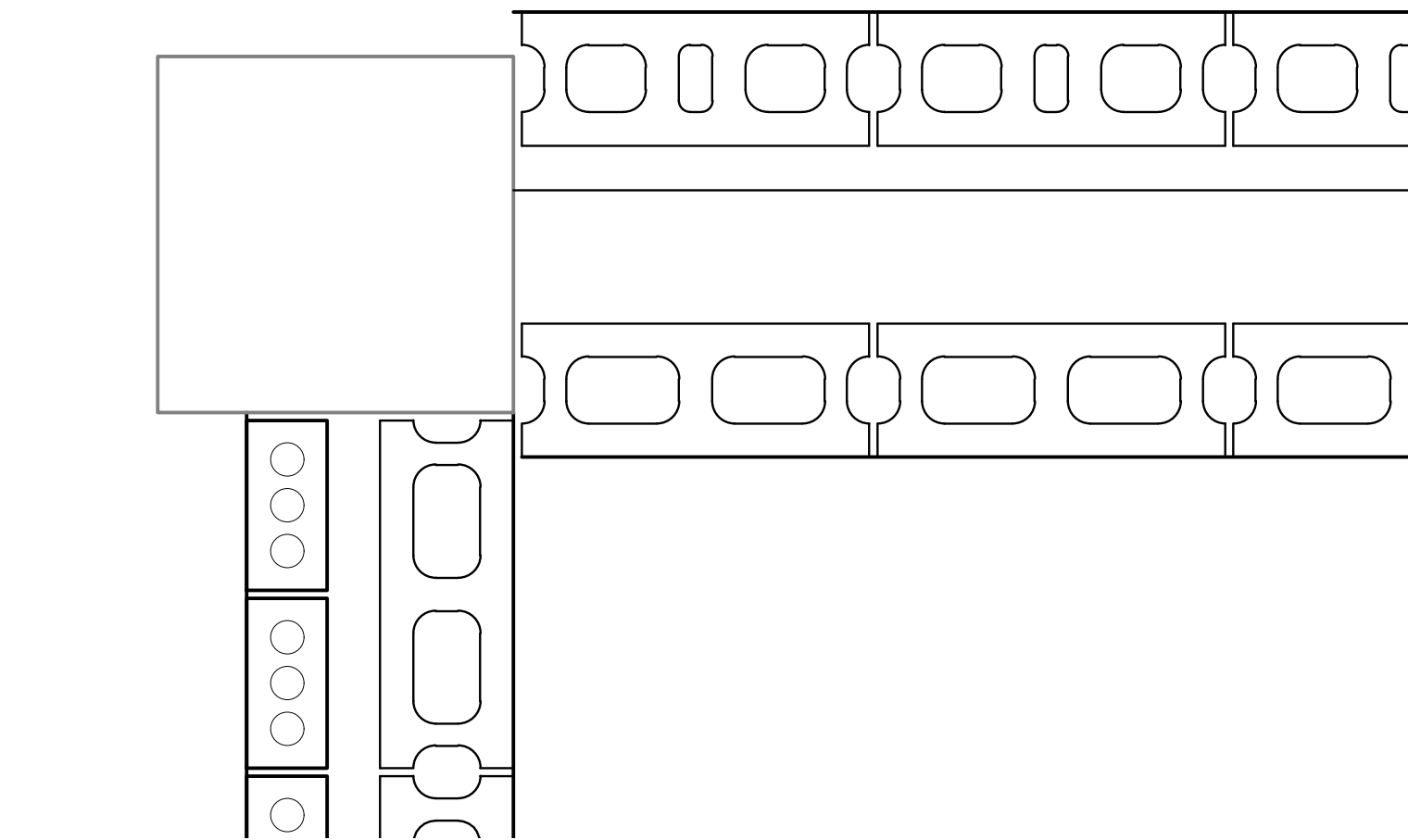
Reflected Ceiling Plan

CERTIFICATION:

City #: _____
Project No.: 091131
Date: July 14, 2010
Drawn by: _____
Checked by: _____
File: 1592_A1.01.dwg
DRAWING #:

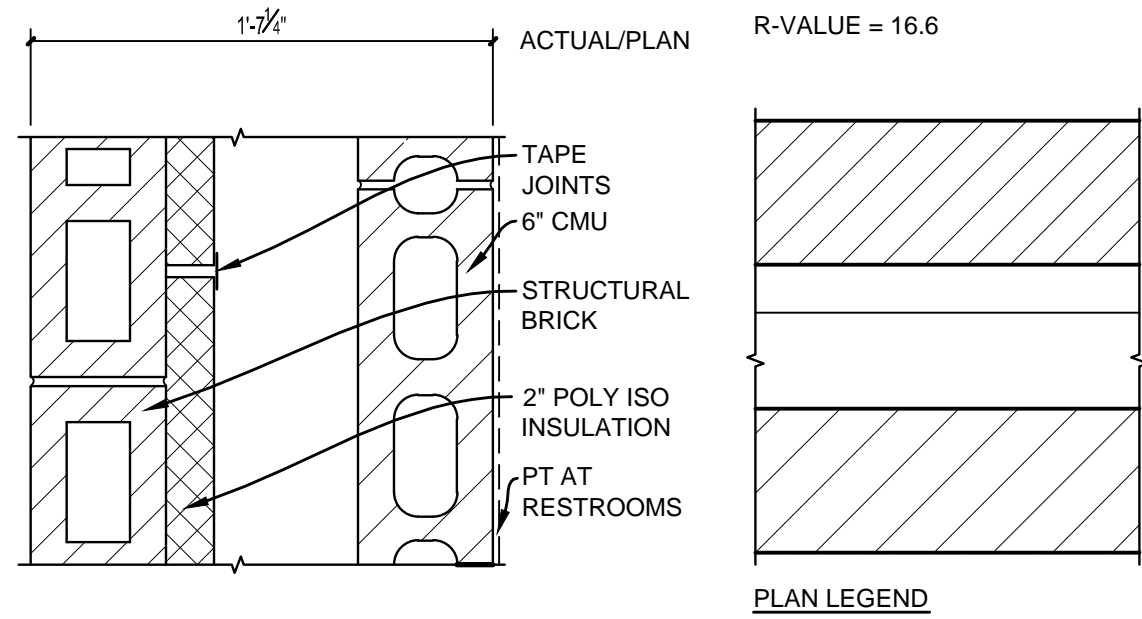
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OWNER
REVIEW SET**

A1.01



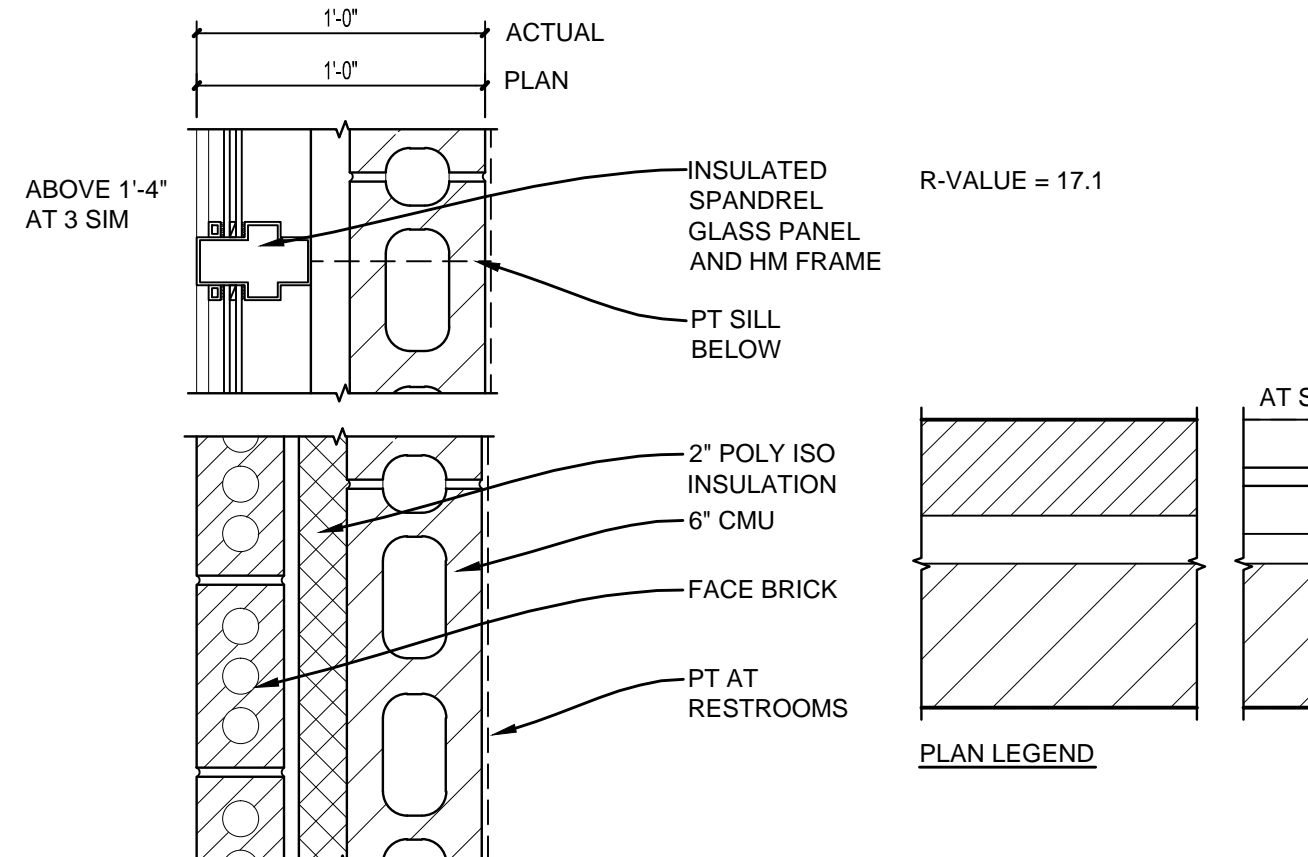
1 WALL MATERIAL

1 1/2" = 1'-0"



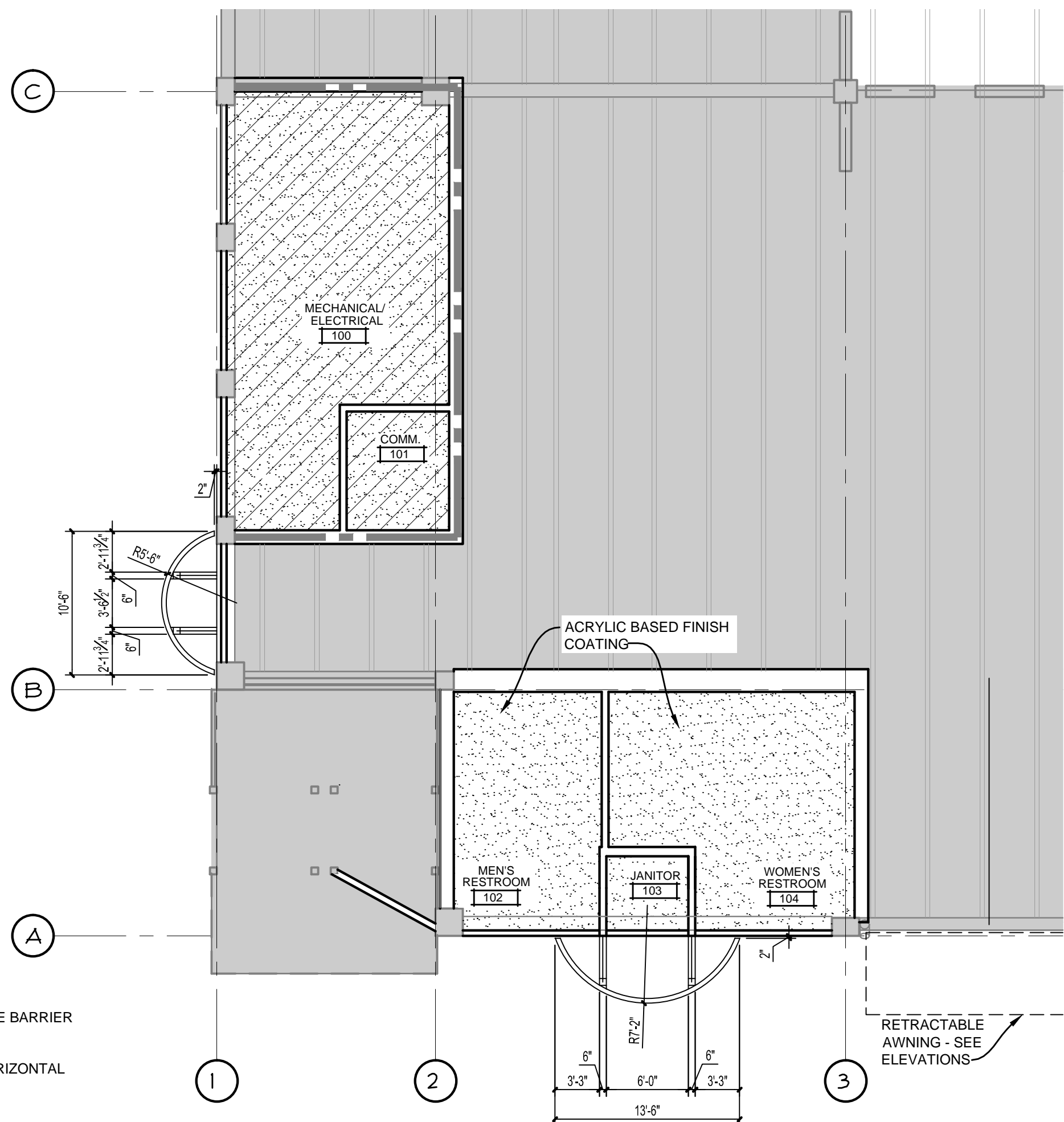
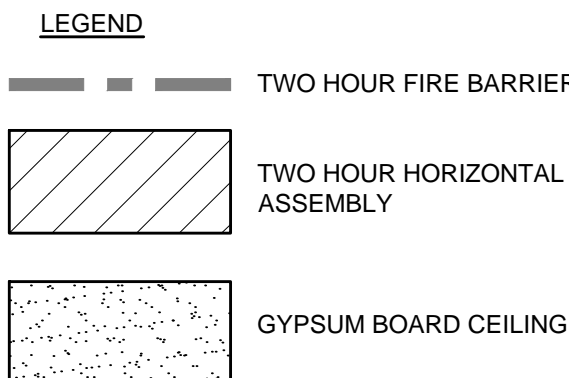
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1 1/2" = 1'-0"



3 WALL MATERIAL

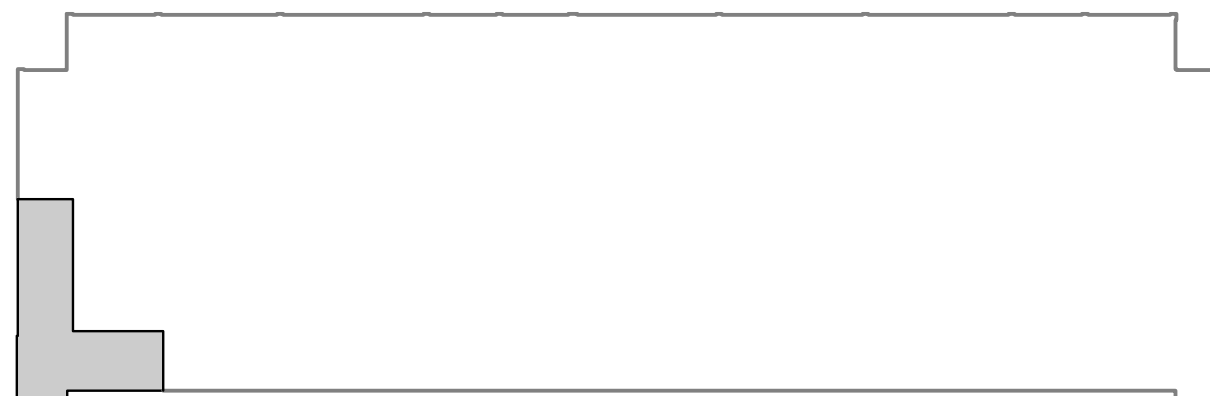
1 1/2" = 1'-0"



1 REFLECTED CEILING PLAN

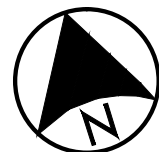
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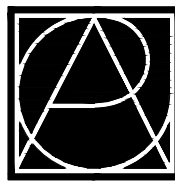
WITH CODE INFORMATION



KEY PLAN

NTS




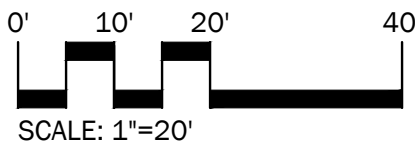


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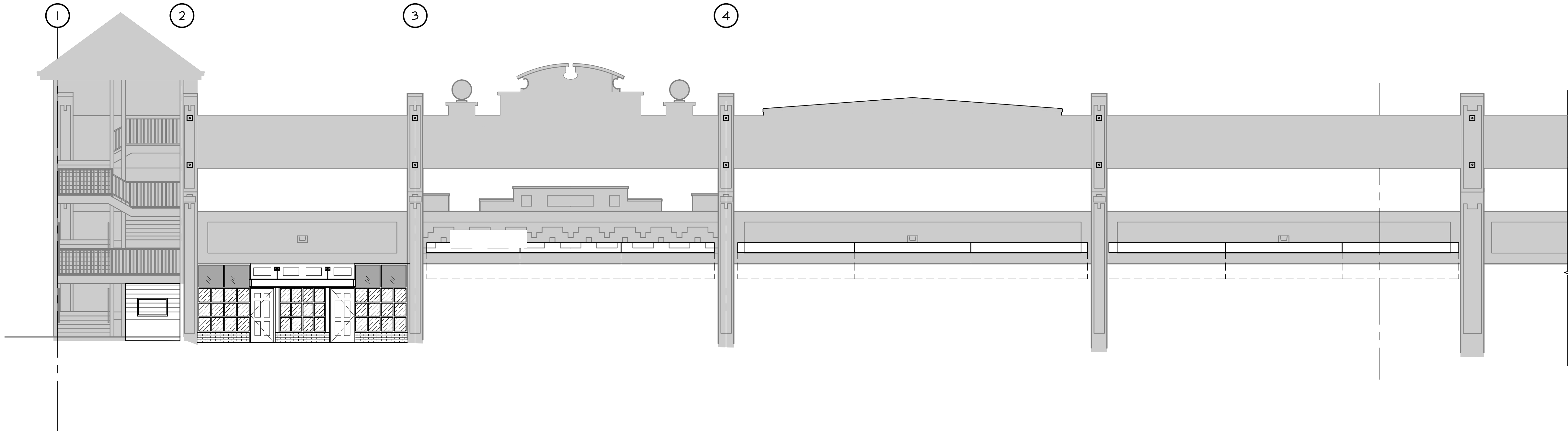
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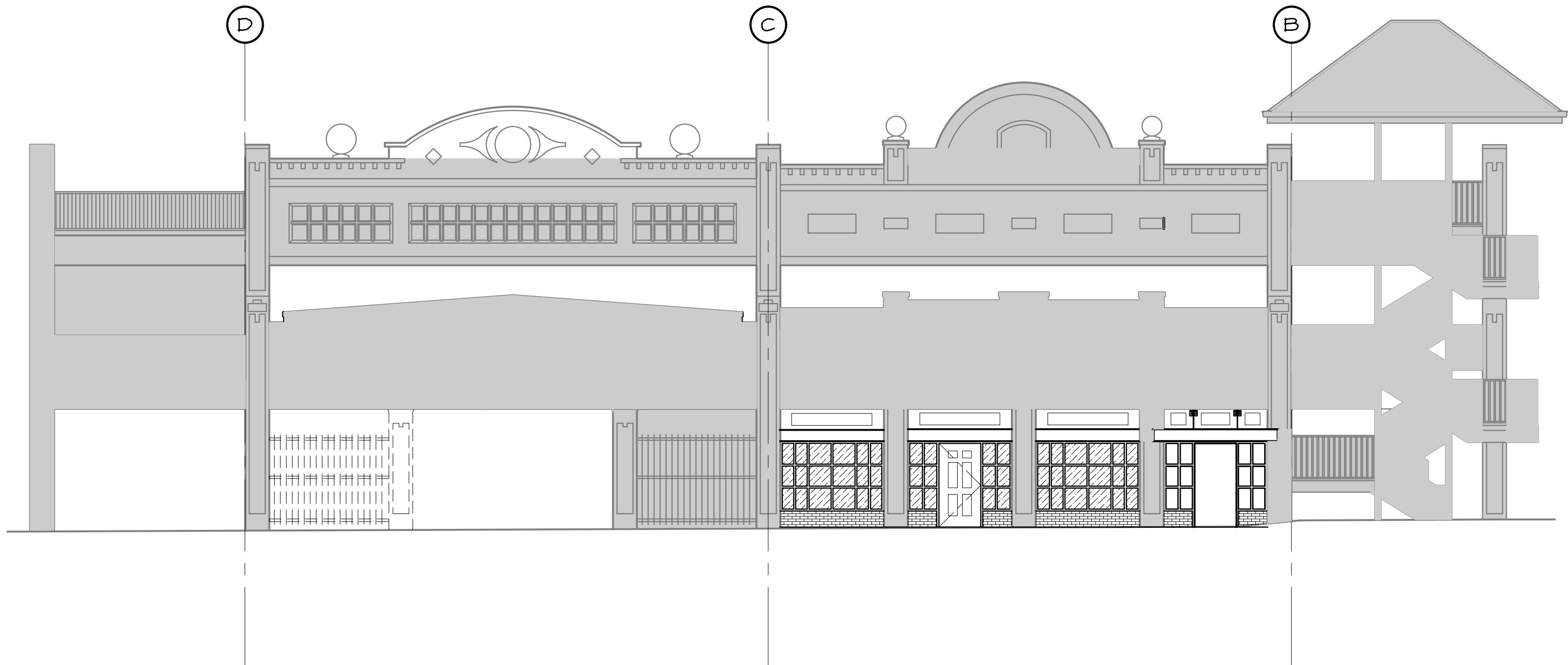
 NORTH			
 SCALE: 1"=20'			
REVISIONS:			
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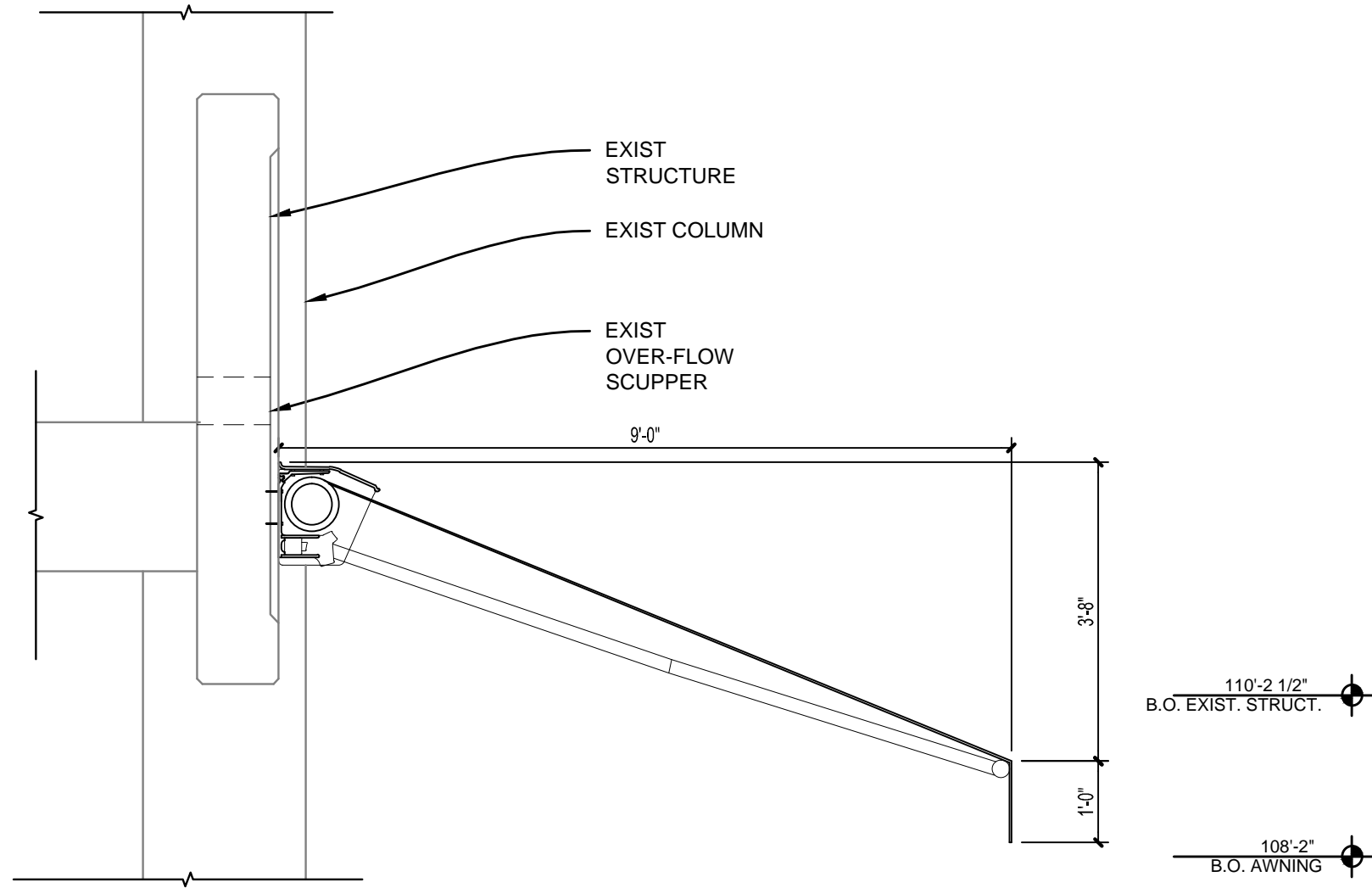
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CERTIFICATION: 80% CDs OWNER REVIEW SET	City #: Project No.: 091131 Date: July 11, 2010 Drawn by: --- Checked by: --- File: 1592_A2.00.dwg DRAWING #: A2.00



1
A2.00
EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"



2
A2.00
EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



3
A2.00
AWNING DETAIL
1/2" = 1'-0"