



22 East Chicago Avenue
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hitchcockdesigngroup.com

Towne Park

100 Jefferson St.
Algonquin, IL 60102

Village of Algonquin
2200 Harnish Dr. Algonquin, IL 60102

Issue for Construction May 7th, 2024

Project Team

Landscape Architect Sheets: L-series
Hitchcock Design Group
22 East Chicago Avenue, Suite 200A
Naperville, Illinois 60540
T 630.961.1787

Civil Engineer Sheets C-series
**Christopher B. Burke
Engineering, Ltd.**
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
T 847.823.0520

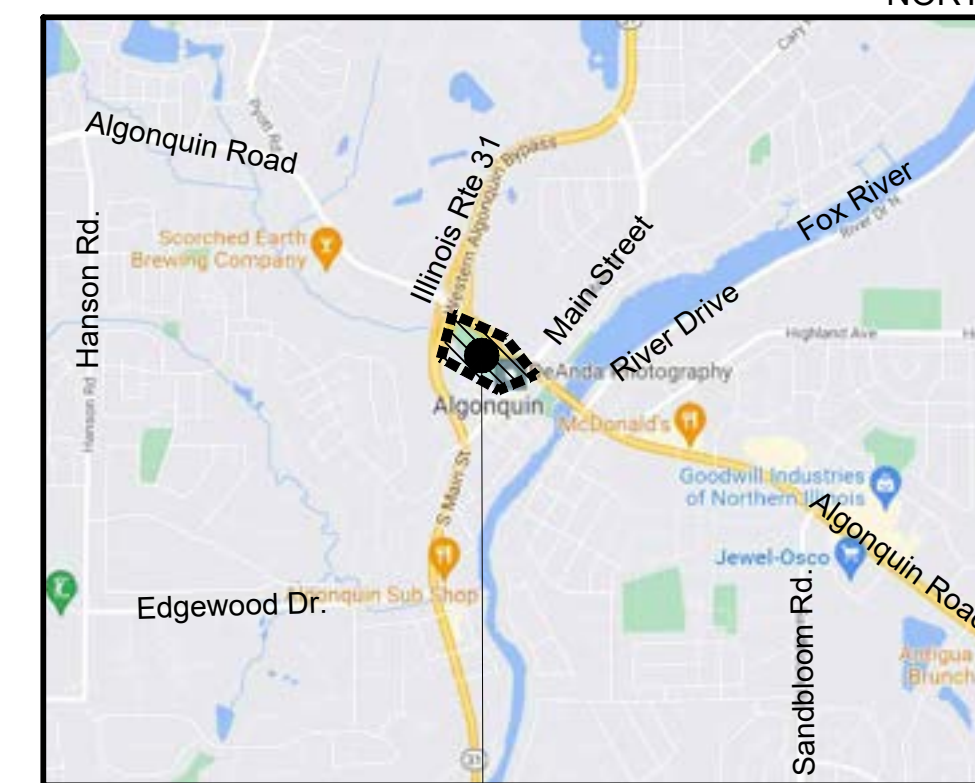
Electrical Engineer Sheets E-series
Nova Engineering P.C.
2338 South Cline Avenue
Schererville, Indiana 46375
T 219.865.3352

Architect Sheets A-series
Dewberry Architects Inc.
132 North York Street, Suite 2C
Elmhurst, IL 60126
T 847.841.0571

General Notes

- Basemap information obtained from plans prepared by Christopher B. Burke Engineering received October 20, 2021 and April 17, 2023.
- Verify site conditions and information on drawings. Promptly report any concealed conditions, mistakes, discrepancies or deviations from the information shown in the Contract Documents. The Owner is not responsible for unauthorized changes or extra work required to correct unreported discrepancies.
- Secure and pay for permits, fees and inspections necessary for the proper execution of this work. Comply with codes applicable to this work.
- Refer to specifications for additional conditions, standards and notes.
- The plans and specifications are intended to be completed entirely by the contractor. Unless clearly identified as "By Owner," all work contained within is the responsibility of the general contractor.

Project Location Map



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Issue for Construction

May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY: BND /DNF DRAWN BY: BND /CNO

SHEET TITLE

Existing Conditions Plan

SCALE IN FEET

1" = 40'



NORTH SHEET NUMBER



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ELEVATION BENCHMARKS DATUM:NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 1	SQUARE CUT ON WESTERLY CONC. WING WALL OF FOOT BRIDGE LOCATED ON THE SOUTHERLY SIDE OF THE BRIDGE APPROX. 25' WESTERLY OF PUBLIC RESTROOM BUILDING IN TOWNE PARK (REF. JOB# 070273.00043)	740.77

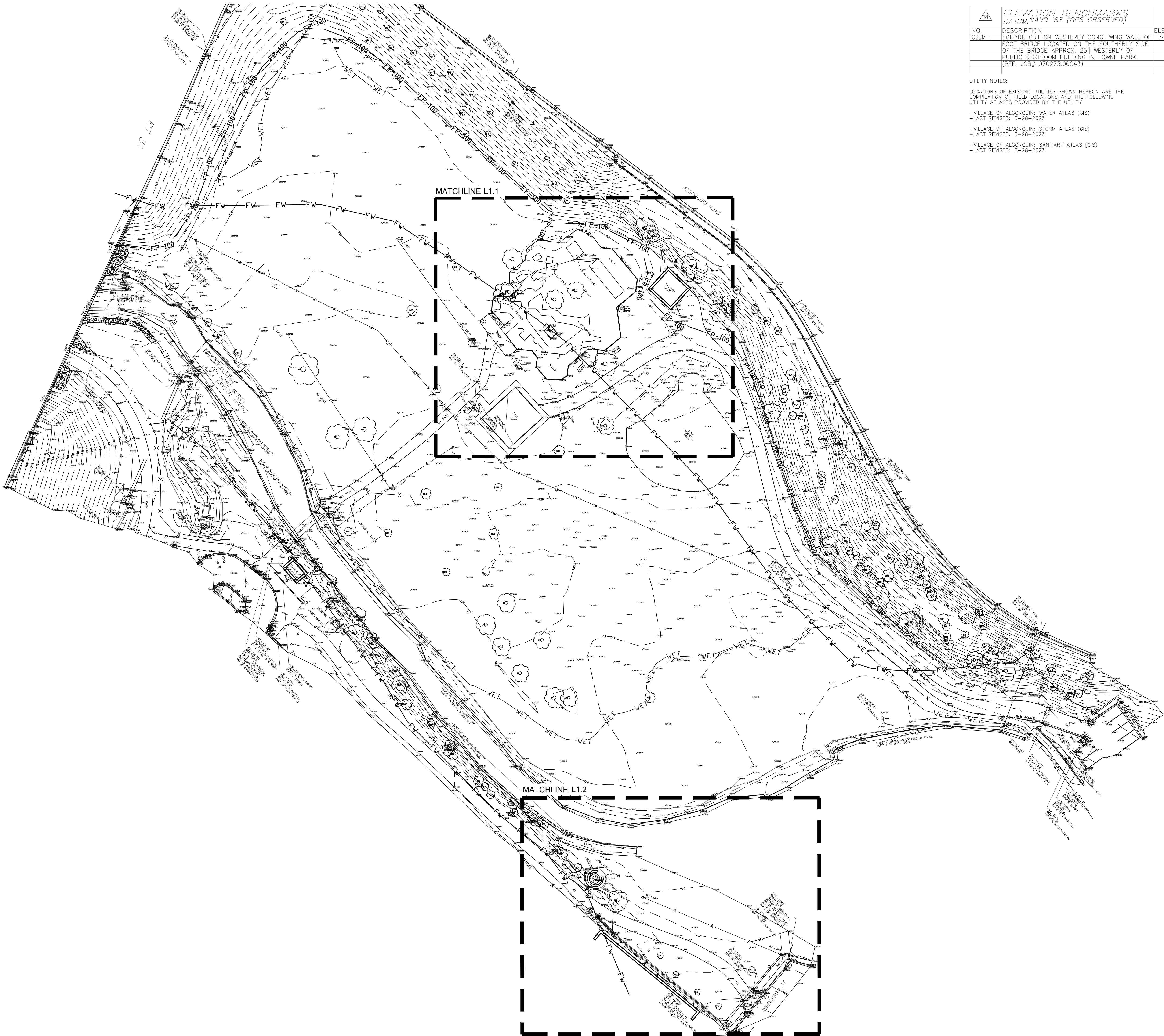
UTILITY NOTES:

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE COMPILATION OF FIELD LOCATIONS AND THE FOLLOWING UTILITY ATLAS PROVIDED BY THE UTILITY

-VILLAGE OF ALGONQUIN; WATER ATLAS (GIS)
-LAST REVISED: 3-28-2023

-VILLAGE OF ALGONQUIN; STORM ATLAS (GIS)
-LAST REVISED: 3-28-2023

-VILLAGE OF ALGONQUIN; SANITARY ATLAS (GIS)
-LAST REVISED: 3-28-2023



- LEGEND**
- NAIL SET
 - 5/8" REBAR SET
 - × X-CUT SET
 - ⊙ RIGHT-OF-WAY MARKER (MARKER)
 - ⊙ IRON PIPE FOUND (IPF)
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 - (00.00) RECORDED
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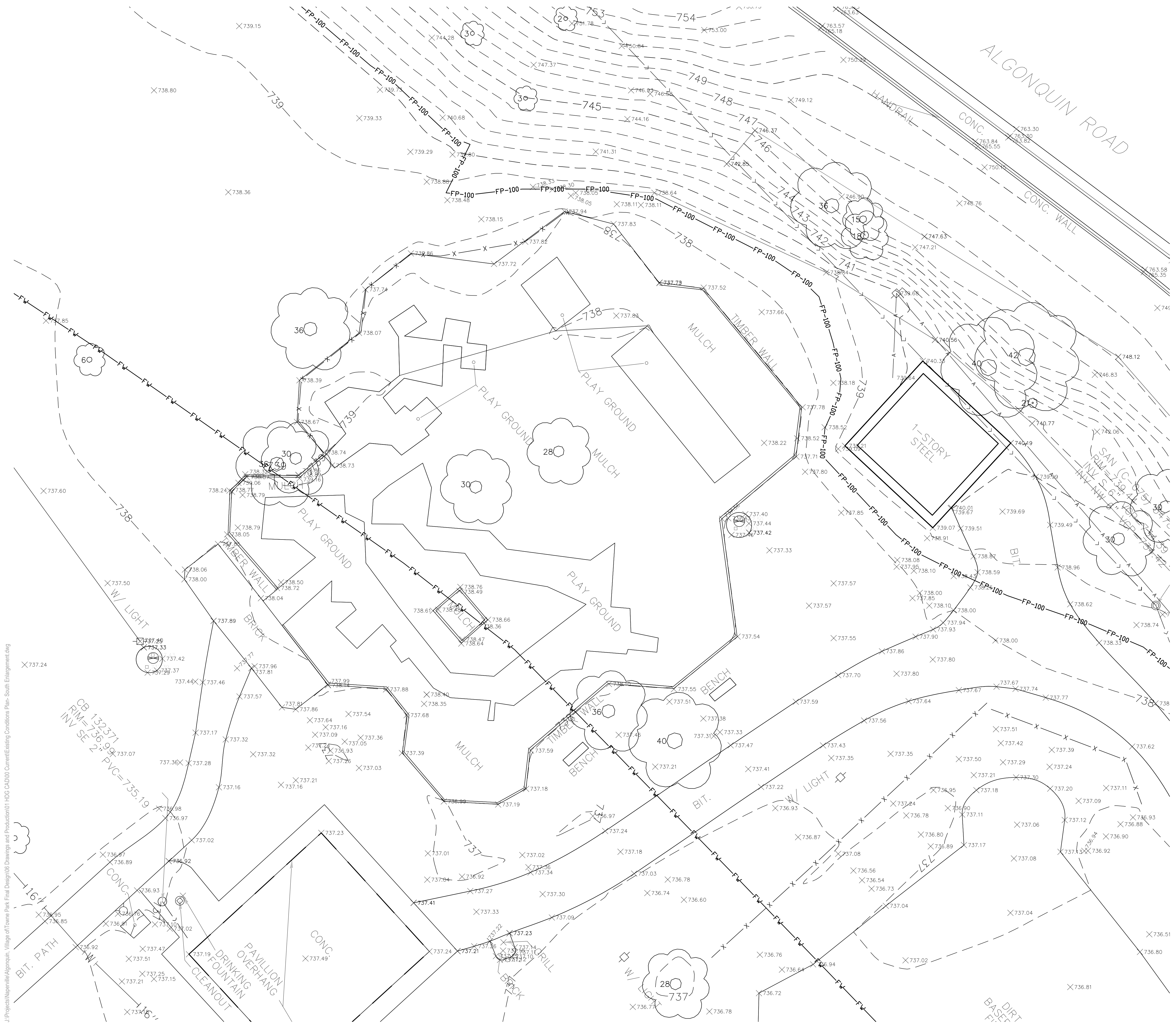
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May 7, 2024

REVISIONS

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CHECKED BY

SMK / DNF

DRAWN BY

BND /CNO

SHEET TITLE

**Existing Conditions
Plan- North
Enlargement**

SCALE IN FEET

1" = 10'



NORTH



SHEET NUMBER

L1.1

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J:\Projects\Naperville\Algonquin, Village of Towne Park Final Design\08 Drawings and Production\1 HDG CAD\100 Current\Existing Conditions Plan- South Enlargement.dwg



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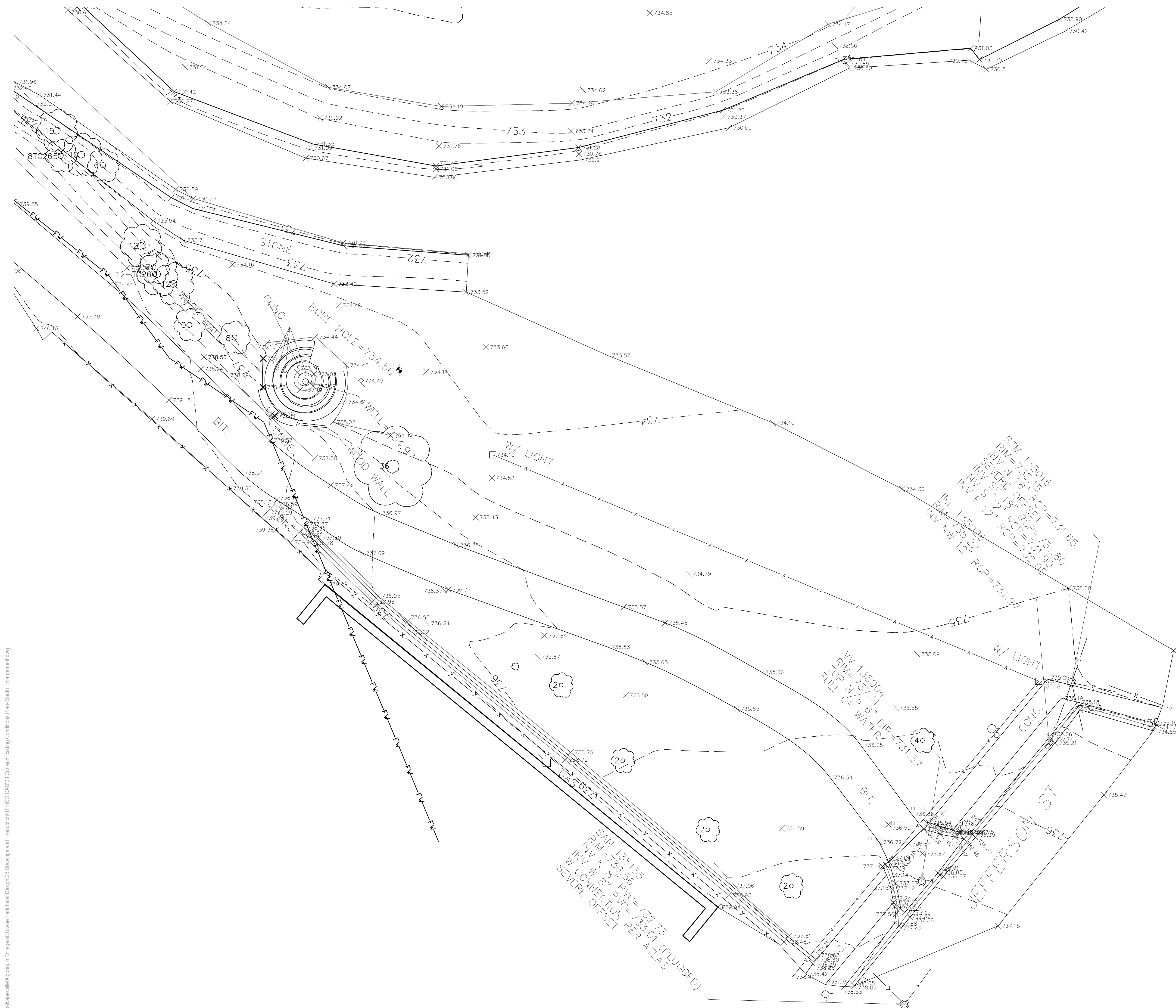
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Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

CHECKED BY: SMK / DNF DRAWN BY: BND / CNO

SHEET TITLE
**Existing Conditions
Plan- South
Enlargement**

SCALE IN FEET
1" = 10'

NORTH SHEET NUMBER

L1.2

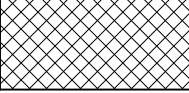
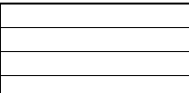
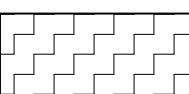


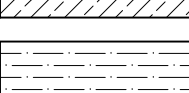





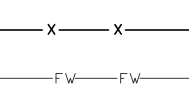
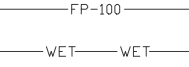



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J:\Projects\Naperville\Algonquin, Village of\Towne Park Final Design\08 Drawings and Production\01 HDG CAD\000 Current\Existing Conditions Plan- South Enlargement.dwg

SITE PREPARATION AND REMOVALS NOTES

- Contractor shall install construction fence at the limits of construction prior to beginning work. Maintain and adjust construction fencing as needed during progress of construction. Staging and construction access shall be approved by Owner.
- Contractor shall install tree protection fencing as shown on the plans prior to beginning work. Maintain and adjust tree protection fencing as needed during progress of construction. Storage of materials, vehicular access, and all other construction activities are strictly prohibited within the limits of the tree protection fencing.
- Plans indicate general location and limits of removals. Contractor shall perform removals only as necessary for construction of proposed improvements. No additional payments will be made for removals or restoration not required to construct the improvements as drawn and specified. Refer to Layout Plan for more specific information regarding proposed improvements and verify conditions in the field prior to performing removals.
- Sawcut and remove concrete paving to nearest joint where indicated. All saw cuts required for removal items to be included in the unit cost of that particular pay item.
- Tree stumps shall be ground to a minimum depth of 18" below existing grade or as required to properly perform the work.
- Remove and dispose of turf where planting beds are designated. Refer to Planting Plan for limits of proposed landscape improvements.
- Where turf or plantings are proposed in existing paved areas, remove all base material.
- Remove all utilities designated for removal to extent required for improvements, unless otherwise noted. Cap ends of any remaining underground conduit and piping, and pull all electrical wire out at source.
- Items indicated for Removal shall include complete removal of above grade item and below grade appurtenances (foundations, urban fill, wiring, piping, etc.) including disposal off-site following applicable codes and ordinances, unless otherwise shown on the plans.
- Items indicated as Remove and Salvage shall include careful protection, removal, and storage of items. For reinstall items, Contractor shall store during construction. All other Salvage items shall be delivered to location as indicated by owner unless otherwise shown on the plans.
- Contractor to protect all existing utilities and all other site features not designated for removal. Contractor is responsible for replacing/repairing any existing utilities or other site features damaged during construction to the original condition at no cost to the Owner.
- Contractor responsible for maintaining existing utility services (electrical, sanitary, storm) during construction unless otherwise indicated in the Contract Documents.
- Contractor shall coordinate all work so public sidewalk remains open throughout construction.
- Refer to civil, electrical, and architectural plans for additional utility adjustments and removals.
- Refer to specifications for additional conditions, standards and notes.

SITE PREPARATION AND REMOVALS LEGEND

-  Remove and dispose concrete paving and gravel base. Remove subgrade material as needed.
-  Remove and dispose asphalt paving and gravel base. Remove subgrade material as needed.
-  Remove and salvage unit paving. Remove and dispose of gravel base and remove subgrade material as needed.
-  Remove infield mix and miscellaneous subgrade material as needed.
-  Remove all playground equipment, footings, and wood fiber surfacing. Remove subgrade material as needed.
-  Mill and dispose top 2 1/2" of asphalt paving, gravel base to remain.
-  Remove and dispose of shrubs, understory plants, and mulch bed.
-  Tree Protection Fence
-  Item to be salvaged
-  Item to be removed
-  Item to be removed
-  Limit of sawcut
-  Construction Fence
-  Floodway
-  100 Year Floodplain
-  Wetland Limits

Issue for Construction

May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY
SMK / DNF

DRAWN BY
BND / CNO

SHEET TITLE

**Site Preparation
and Removals Plan**

SCALE IN FEET

1" = 40'



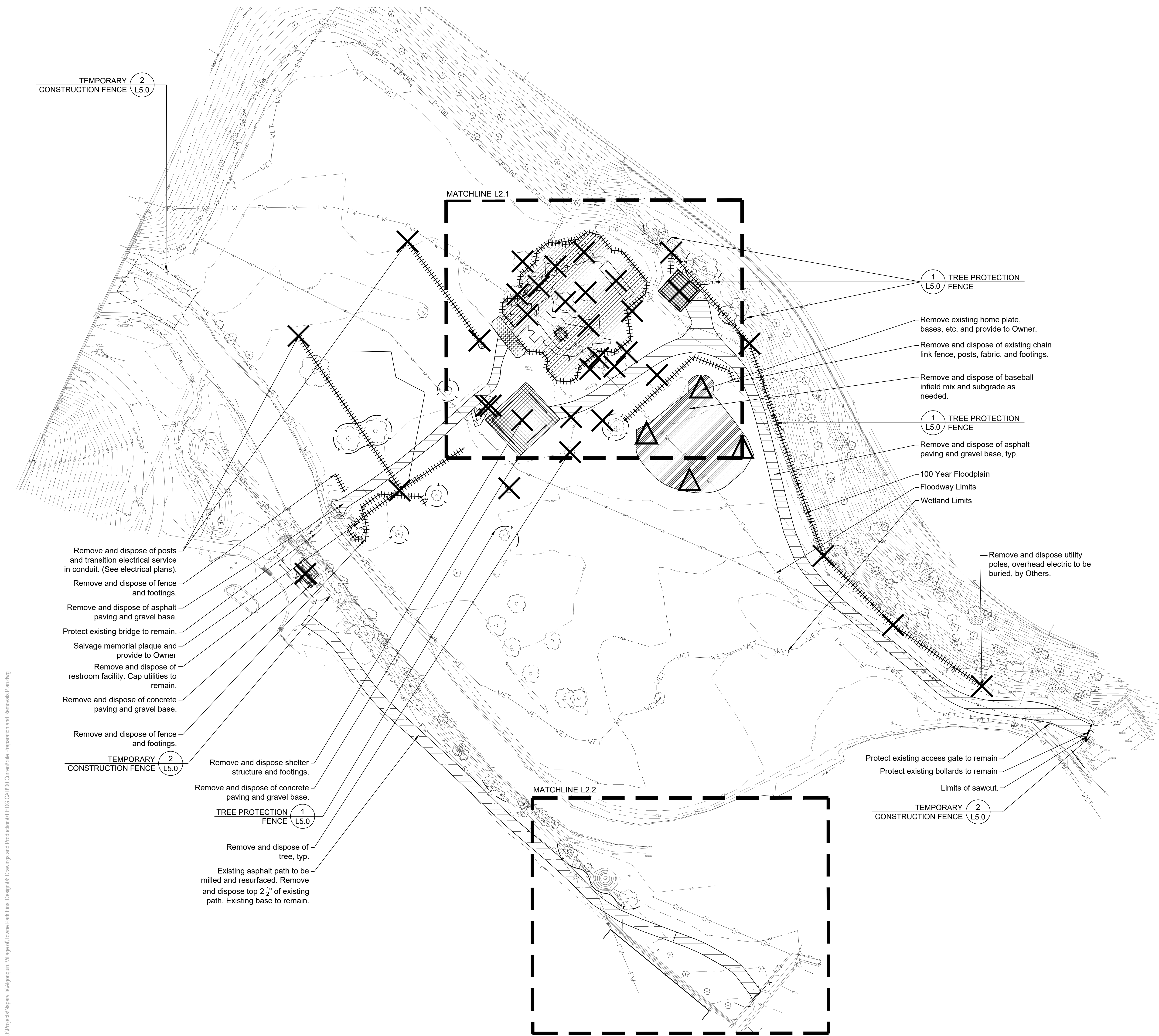
NORTH

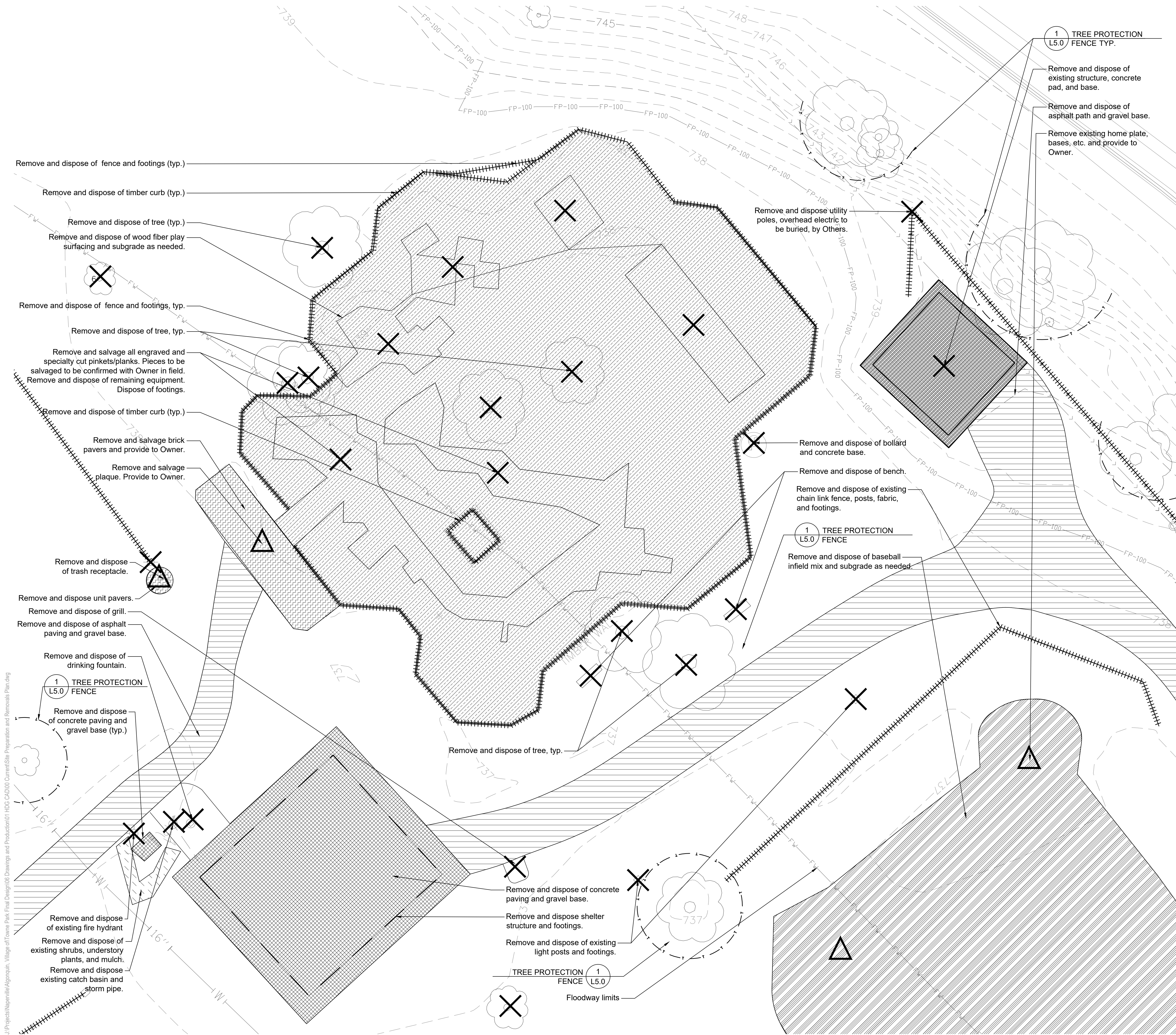


SHEET NUMBER

L2.0

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- Where turf or plantings are proposed in existing paved areas, remove all base material.
- Remove all utilities designated for removal to extent required for improvements, unless otherwise noted. Cap ends of any remaining underground conduit and piping, and pull all electrical wire out at source.
- Items indicated for Removal shall include complete removal of above grade item and below grade appurtenances (foundations, urban fill, wiring, piping, etc.) including disposal off-site following applicable codes and ordinances, unless otherwise shown on the plans.
- Items indicated as Remove and Salvage shall include careful protection, removal, and storage of items. For reinstall items, Contractor shall store during construction. All other Salvage items shall be delivered to location as indicated by owner unless otherwise shown on the plans.
- Contractor to protect all existing utilities and all other site features not designated for removal. Contractor is responsible for replacing/repairing any existing utilities or other site features damaged during construction to the original condition at no cost to the Owner.
- Contractor responsible for maintaining existing utility services (electrical, sanitary, storm) during construction unless otherwise indicated in the Contract Documents.
- Contractor shall coordinate all work so public sidewalk remains open throughout construction.
- Refer to civil, electrical, and architectural plans for additional utility adjustments and removals.
- Refer to specifications for additional conditions, standards and notes.

SITE PREPARATION AND REMOVALS LEGEND

- Remove and dispose concrete paving and gravel base. Remove subgrade material as needed.
- Remove and dispose asphalt paving and gravel base. Remove subgrade material as needed.
- Remove and salvage unit paving. Remove and dispose of gravel base and remove subgrade material as needed.
- Remove infield mix and miscellaneous subgrade material as needed.
- Remove all playground equipment, footings, and wood fiber surfacing. Remove subgrade material as needed.
- Mill and dispose top 2 1/2" of asphalt paving, gravel base to remain.
- Remove and dispose of shrubs, understory plants, and mulch bed.
- Tree Protection Fence
- Item to be salvaged
- Item to be removed
- Item to be removed
- Limit of sawcut
- Construction Fence
- Floodway
- 100 Year Floodplain

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PREPARED FOR
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2200 Harnish Dr.
Algonquin, IL 60102

PROJECT
Towne Park
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Algonquin, IL 60102

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Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

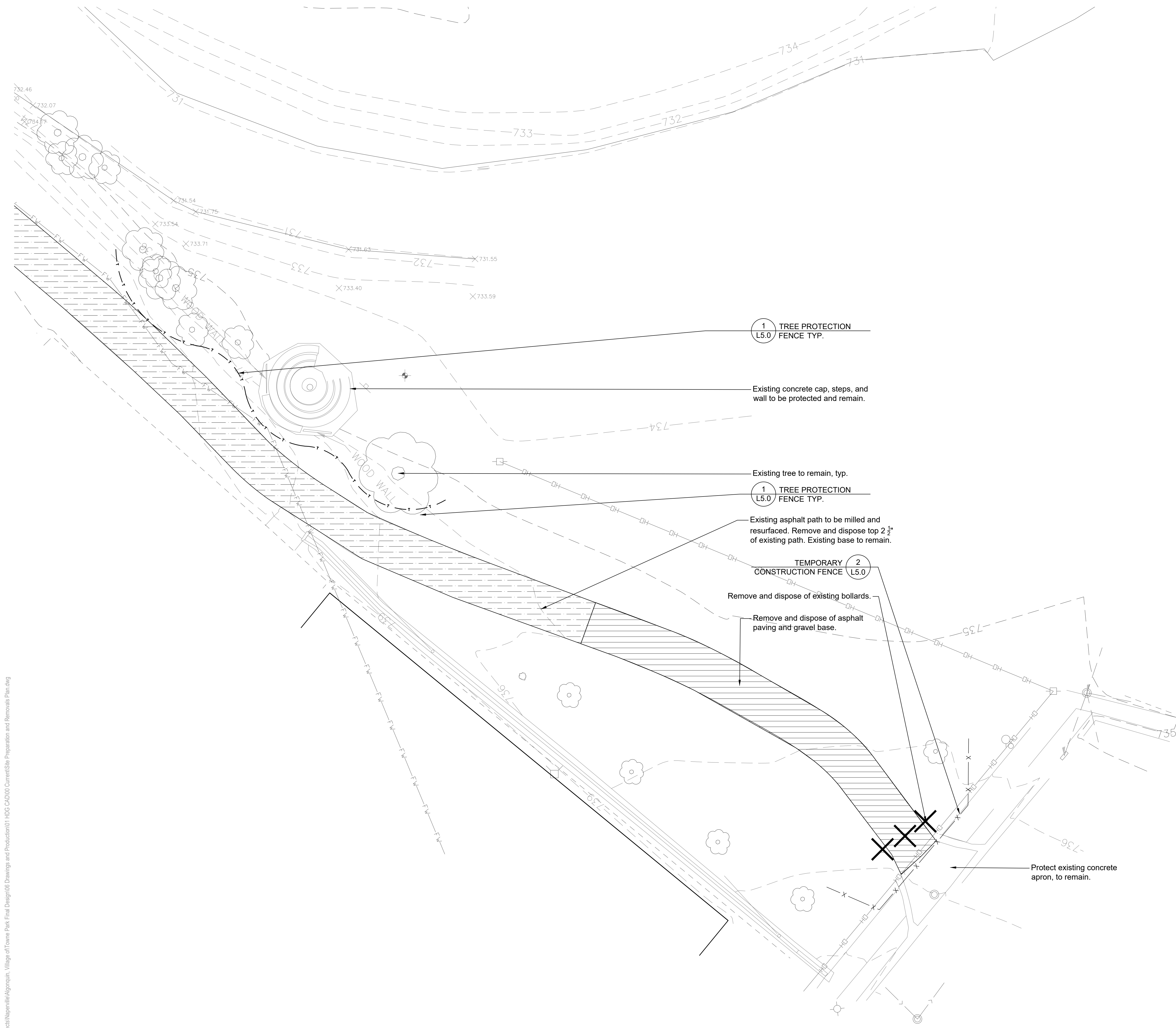
CHECKED BY: SMK / DNF DRAWN BY: BND / CNO

SHEET TITLE
Site Preparation and Removals Plan - North Enlargement

SCALE IN FEET
1" = 10'
0' 5' 10' 30'

NORTH SHEET NUMBER
L2.1
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SITE PREPARATION AND REMOVALS NOTES

- Contractor shall install construction fence at the limits of construction prior to beginning work. Maintain and adjust construction fencing as needed during progress of construction. Staging and construction access shall be approved by Owner.
- Contractor shall install tree protection fencing as shown on the plans prior to beginning work. Maintain and adjust tree protection fencing as needed during progress of construction. Storage of materials, vehicular access, and all other construction activities are strictly prohibited within the limits of the tree protection fencing.
- Plans indicate general location and limits of removals. Contractor shall perform removals only as necessary for construction of proposed improvements. No additional payments will be made for removals or restoration not required to construct the improvements as drawn and specified. Refer to Layout Plan for more specific information regarding proposed improvements and verify conditions in the field prior to performing removals.
- Sawcut and remove concrete paving to nearest joint where indicated. All saw cuts required for removal items to be included in the unit cost of that particular pay item.
- Tree stumps shall be ground to a minimum depth of 18" below existing grade or as required to properly perform the work.
- Remove and dispose of turf where planting beds are designated. Refer to Planting Plan for limits of proposed landscape improvements.
- Where turf or plantings are proposed in existing paved areas, remove all base material.
- Remove all utilities designated for removal to extent required for improvements, unless otherwise noted. Cap ends of any remaining underground conduit and piping, and pull all electrical wire out at source.
- Items indicated for Removal shall include complete removal of above grade item and below grade appurtenances (foundations, urban fill, wiring, piping, etc.) including disposal off-site following applicable codes and ordinances, unless otherwise shown on the plans.
- Items indicated as Remove and Salvage shall include careful protection, removal, and storage of items. For reinstall items, Contractor shall store during construction. All other Salvage items shall be delivered to location as indicated by owner unless otherwise shown on the plans.
- Contractor to protect all existing utilities and all other site features not designated for removal. Contractor is responsible for replacing/repairing any existing utilities or other site features damaged during construction to the original condition at no cost to the Owner.
- Contractor responsible for maintaining existing utility services (electrical, sanitary, storm) during construction unless otherwise indicated in the Contract Documents.
- Contractor shall coordinate all work so public sidewalk remains open throughout construction.
- Refer to civil, electrical, and architectural plans for additional utility adjustments and removals.
- Refer to specifications for additional conditions, standards and notes.

SITE PREPARATION AND REMOVALS LEGEND

- Remove and dispose concrete paving and gravel base. Remove subgrade material as needed.
- Remove and dispose asphalt paving and gravel base. Remove subgrade material as needed.
- Remove and salvage unit paving. Remove and dispose of gravel base and remove subgrade material as needed.
- Remove infield mix and miscellaneous subgrade material as needed.
- Remove all playground equipment, footings, and wood fiber surfacing. Remove subgrade material as needed.
- Mill and dispose top 2 1/2" of asphalt paving, gravel base to remain.
- Remove and dispose of shrubs, understory plants, and mulch bed.
- Tree Protection Fence
- Item to be salvaged
- Item to be removed
- Item to be removed
- Limit of sawcut
- Construction Fence
- Floodway

1 TREE PROTECTION FENCE TYP. L5.0

1 TREE PROTECTION FENCE TYP. L5.0

2 TEMPORARY CONSTRUCTION FENCE L5.0

Existing concrete cap, steps, and wall to be protected and remain.

Existing tree to remain, typ.

Existing asphalt path to be milled and resurfaced. Remove and dispose top 2 1/2" of existing path. Existing base to remain.

Remove and dispose of existing bollards.

Remove and dispose of asphalt paving and gravel base.

Protect existing concrete apron, to remain.

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Issue for Construction
May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY: SMK / DNF DRAWN BY: BND / CNO

SHEET TITLE
Site Preparation and Removals Plan-South Enlargement

SCALE IN FEET
1" = 10'

NORTH

SHEET NUMBER
L2.2

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LAYOUT NOTES

- Contractor responsible for field layout of all new improvements per the Construction Layout specification. Digital files of geometric information will be provided upon request in AutoCAD format. No additional payment will be made for adjustments necessary to construct the work as drawn.
- Contractor responsible to coordinate work in order to obtain approval of all layout by Owners Representative prior to construction. No additional payment will be made to correct work if constructed incorrectly without pre-approval by Owners Representative.
- Contractor responsible to maintain all layout stakes during construction. No additional payment will be made to replace layout stakes.
- Place stakes at edges of sport courts, fields, limits of playground, shelter, and every 25 feet on center along centerline of all pathways for review by the Owner's Representative prior to earthwork operations.
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- All walls are dimensioned to Face of Wall unless otherwise noted.
- All dimensions from roadway are from Back of Curb unless otherwise noted.
- All curves and radii to be smooth and not segmented.
- Contractor to provide layout stakes every 10 feet minimum for large arcs where radius points are not accessible.
- Adjustment to stake locations due to discrepancies between coordinates and dimensions is incidental to the contract. No additional payments will be made for this work.
- All roadway widths are measured from edge of pavement to edge of pavement unless otherwise shown on the plans.
- Contractor responsible to take delivery, assemble and install all materials and furnishings per manufacturer's instructions.
- Place control and expansion joints as shown on plans and details for all curbs, walks, walls, steps, and concrete paving. Where joints are not shown, place control joints a maximum of 10 feet on center, expansion joints a maximum of 30 feet on center, and between all separate pours.
- Contractor will maintain use zone requirements within soft surfacing; no use zone will overlap or be tangent unless noted. Adjust playground barrier curb and/or adjacent paving as needed to accommodate play equipment fall zones.
- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation.
- Layout of soft surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND

- Expansion Joint
- Centerline (do not construct)
- Asphalt Paving - Pedestrian
- Asphalt Paving - Vehicular
- Asphalt Paving - Pedestrian (Resurfacing)
- Unit Paving
- Concrete Paving
- Poured-in-Place Surfacing
- Floodway Limits
- 100 Year Floodplain Limits
- Wetland Limits



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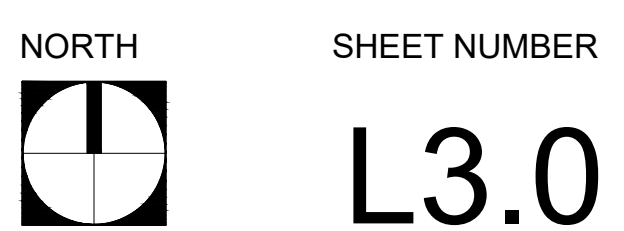
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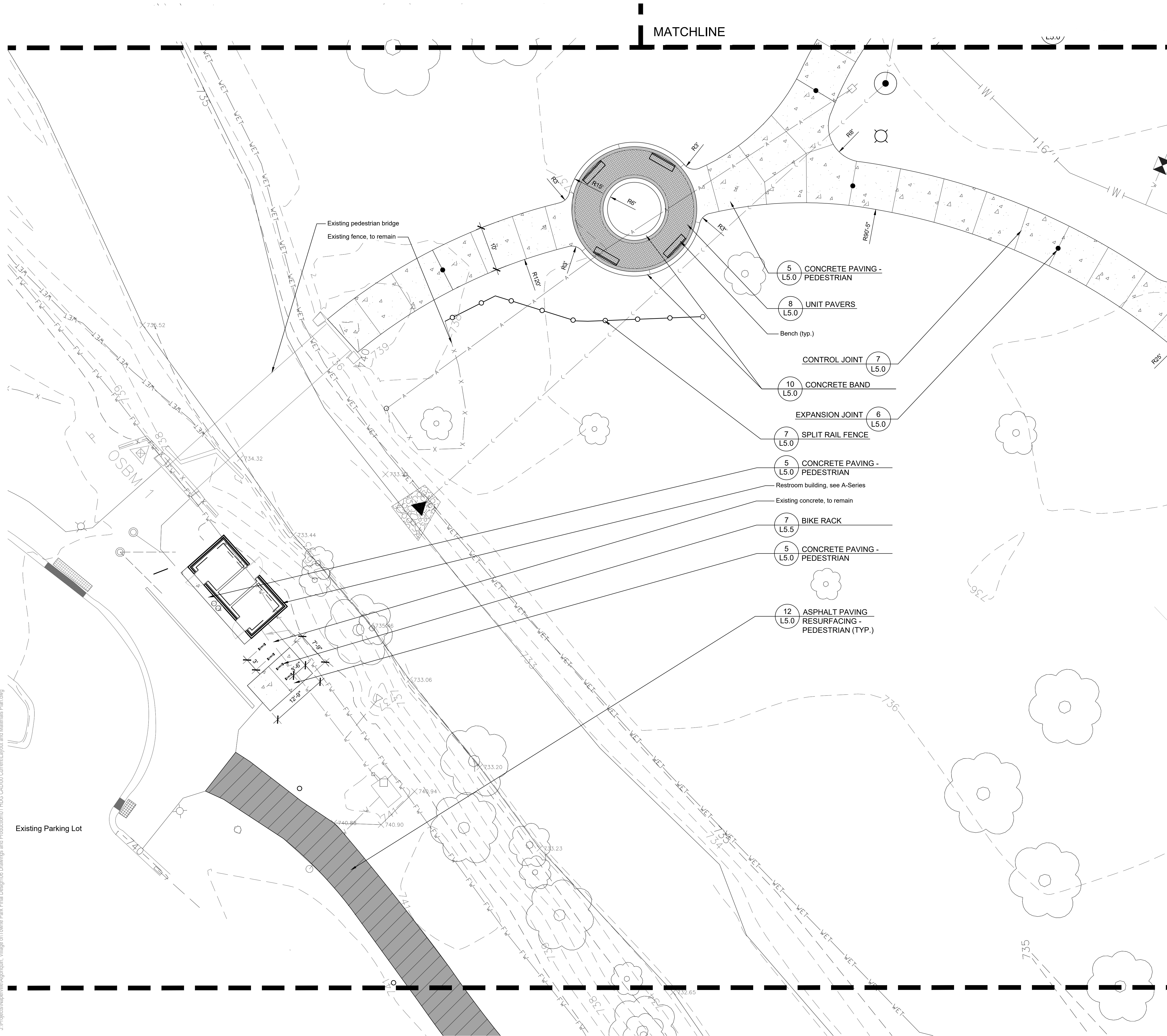
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SHEET TITLE
Layout And Materials Plan - Overall

SCALE IN FEET
1" = 40'



L3.0



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MATCHLINE

LAYOUT NOTES

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- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation.
- Layout of soft surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND

- Expansion Joint
- Centerline, do not construct
- Asphalt Paving - Pedestrian
- Asphalt Paving - Pedestrian (Resurfacing)
- Unit Paving
- Concrete Paving
- Floodway Limits
- 100 Year Floodplain Limits
- Wetland Limits

- 5 CONCRETE PAVING - PEDESTRIAN (L5.0)
- 8 UNIT PAVERS (L5.0)
- Bench (typ.)
- CONTROL JOINT 7 (L5.0)
- 10 CONCRETE BAND (L5.0)
- EXPANSION JOINT 6 (L5.0)
- 7 SPLIT RAIL FENCE (L5.0)
- 5 CONCRETE PAVING - PEDESTRIAN (L5.0)
- Restroom building, see A-Series
- Existing concrete, to remain
- 7 BIKE RACK (L5.5)
- 5 CONCRETE PAVING - PEDESTRIAN (L5.0)
- 12 ASPHALT PAVING RESURFACING - PEDESTRIAN (TYP.) (L5.0)

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Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

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SHEET TITLE
Layout and Materials Plan - Main Entry

SCALE IN FEET
1" = 10'

NORTH SHEET NUMBER

L3.1

PREPARED FOR

Village of Algonquin

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Algonquin, IL 60102

PROJECT

Towne Park

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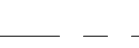
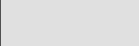
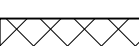
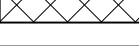


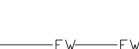
Architect

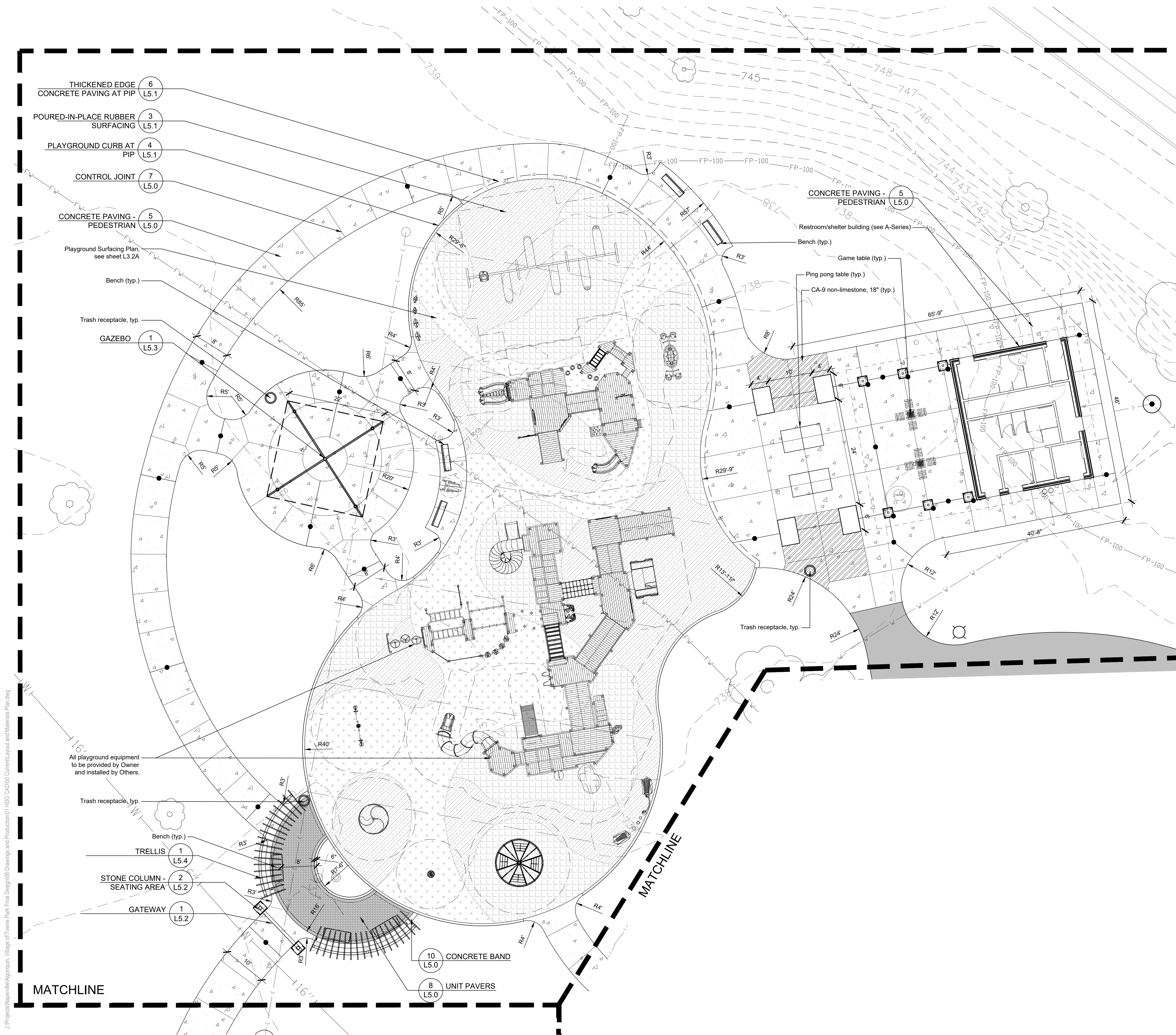
Dewberry Architects Inc.
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LAYOUT NOTES

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- Contractor will maintain use zone requirements within soft surfacing; no use zone will overlap or be tangent unless noted. Adjust playground barrier curb and/or adjacent paving as needed to accommodate play equipment fall zones.
- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation.
- Layout of soft surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND

-  Expansion Joint
-  Centerline (do not construct)
-  Asphalt Paving - Vehicular
-  Unit Paving
-  Concrete Paving
-  Poured-in-Place Surfacing
-  Floodway Limits
-  100 Year Floodplain Limits



THICKENED EDGE
CONCRETE PAVING AT PIP (L5.1) 6

POURED-IN-PLACE RUBBER SURFACING (L5.1) 3

PLAYGROUND CURB AT PIP (L5.1) 4

CONTROL JOINT (L5.0) 7

CONCRETE PAVING - PEDESTRIAN (L5.0) 5

Playground Surfacing Plan, see sheet L3.2A

Bench (typ.)

Trash receptacle, typ.

GAZEBO (L5.3) 1

All playground equipment to be provided by Owner and installed by Others.

Trash receptacle, typ.

Bench (typ.)

TRELLIS (L5.4) 1

STONE COLUMN - SEATING AREA (L5.2) 2

GATEWAY (L5.2) 1

CONCRETE BAND (L5.0) 10

UNIT PAVERS (L5.0) 8

CONCRETE PAVING - PEDESTRIAN (L5.0) 5

Restroom/shelter building (see A-Series)

Bench (typ.)

Game table (typ.)

Ping pong table (typ.)

CA-9 non-limestone, 18" (typ.)

Trash receptacle, typ.

MATCHLINE

MATCHLINE


Issue for Construction
May 7, 2024
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No	Date	Issue

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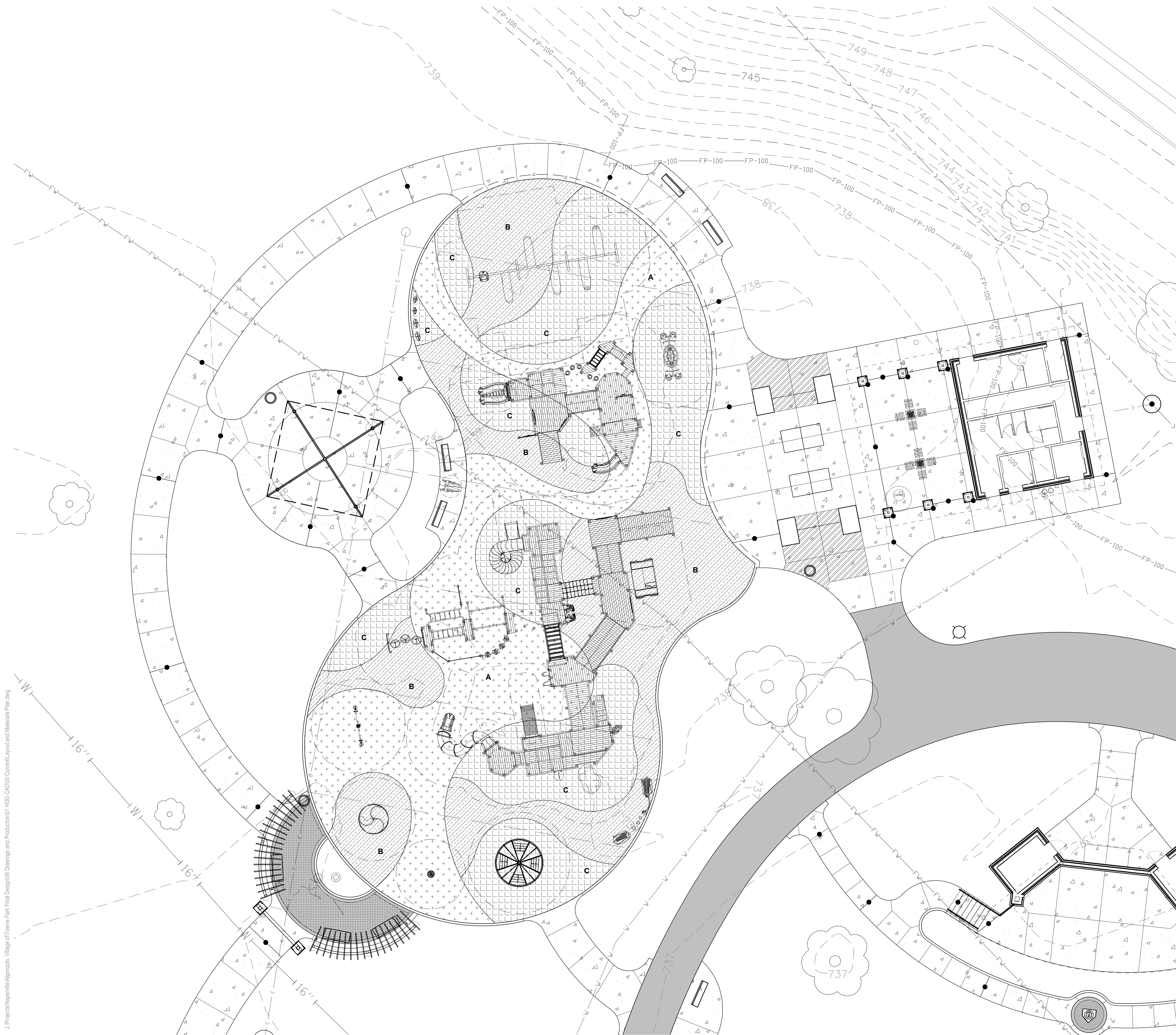
SHEET TITLE
Layout and Materials Plan-Playground

SCALE IN FEET
1" = 10'

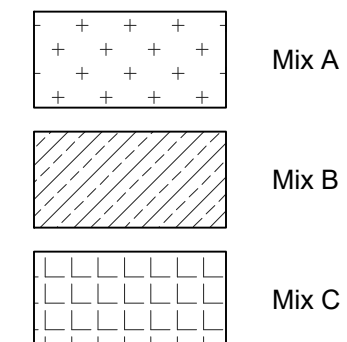


NORTH SHEET NUMBER

L3.2



LAYOUT LEGEND



PLAY SURFACING MIX SCHEDULE

Mix (% of Granules)	SF
A Light Blue Mix (60% Light Blue, 30% Standard Blue, 10% Black)	3,339
B Light Green Mix (60% Light Green, 30% Standard Green, 10% Black)	3,455
C Dark Green Mix (60% Standard Green, 30% Light Green, 10% Black)	3,765



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SHEET TITLE

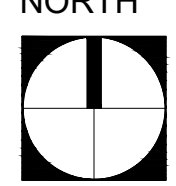
Layout and Materials
 Plan- Playground
 Surfacing Plan

SCALE IN FEET

1" = 10'



NORTH

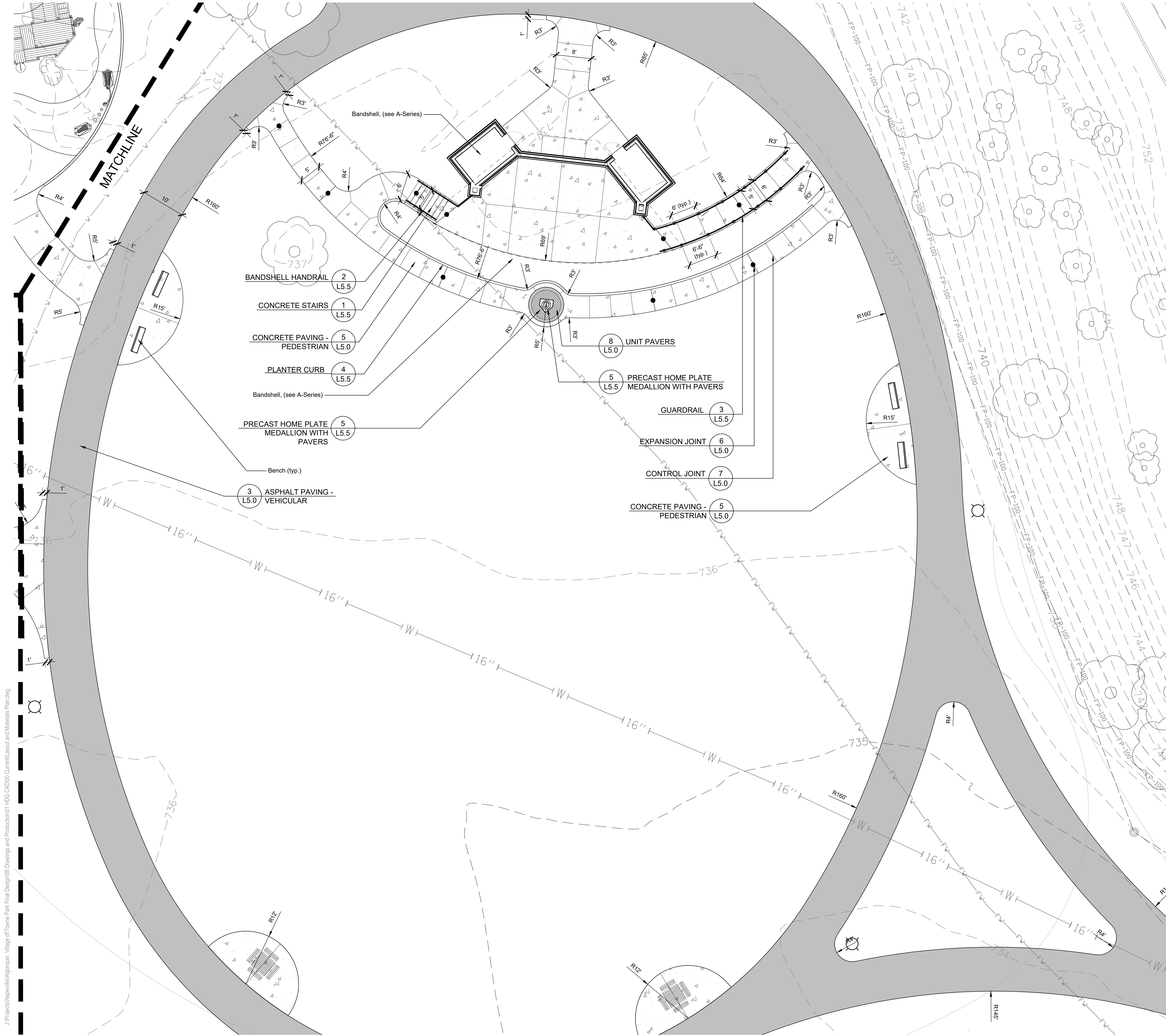


SHEET NUMBER

L3.2A

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- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation.
- Layout of soft surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND

- Expansion Joint
- Centerline (do not construct)
- Asphalt Paving - Vehicular
- Unit Paving
- Concrete Paving
- Poured-in-Place Surfacing
- Floodway Limits
- 100 Year Floodplain Limits



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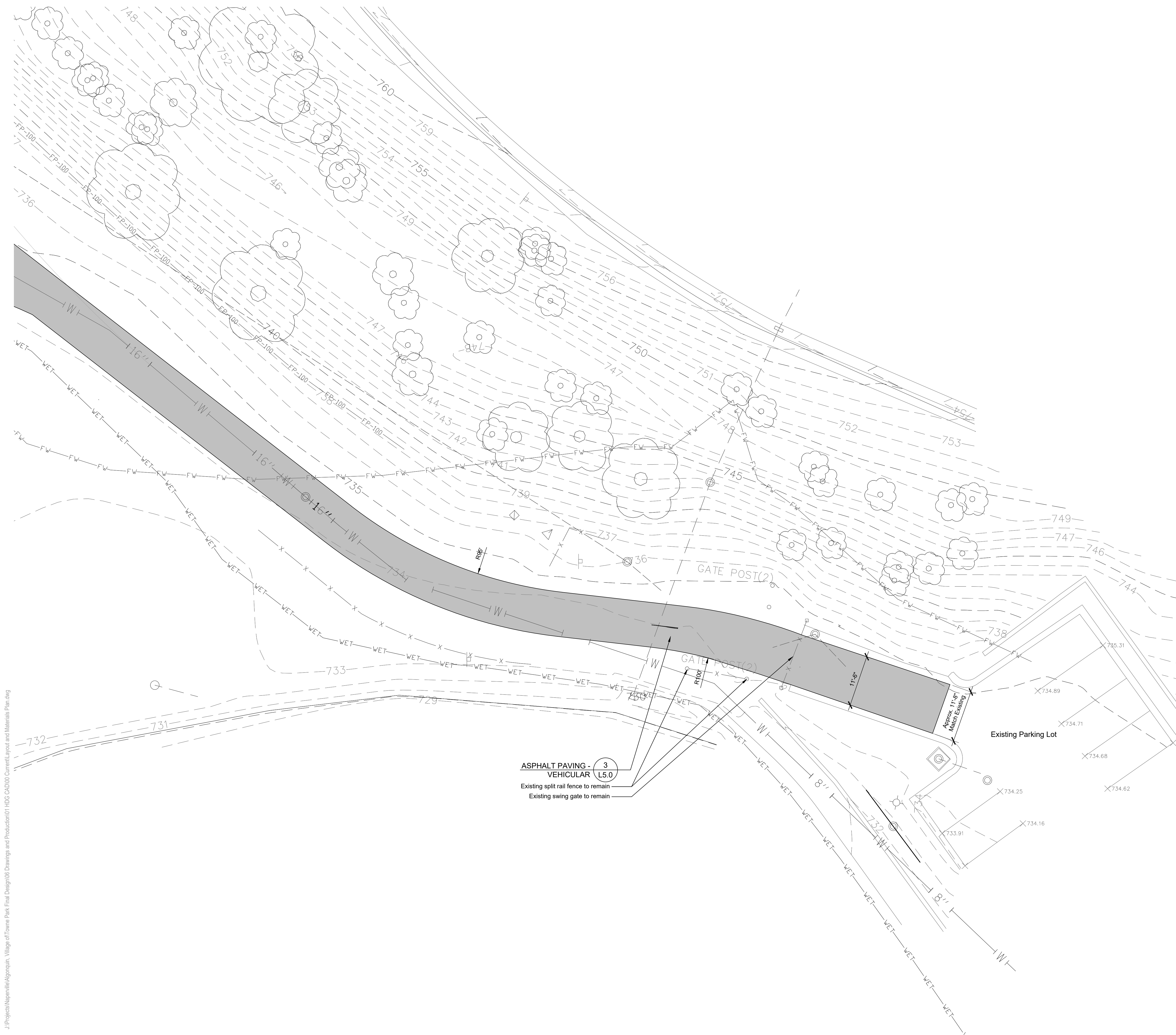
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SHEET TITLE
Layout and Materials Plan - Bandshell

SCALE IN FEET
1" = 10'

NORTH
 SHEET NUMBER
L3.3

J:\Projects\Naperville\Algonquin, Village of Towne Park Final Design\08 Drawings and Production\01 HDG CAD\00 Current\Layout and Materials Plan.dwg



LAYOUT NOTES

- Contractor responsible for field layout of all new improvements. Digital files of geometric information will be provided upon request in AutoCAD format. No additional payment will be made for adjustments necessary to construct the work as drawn.
- Contractor responsible to coordinate work in order to obtain approval of all layout by Owners Representative prior to construction. No additional payment will be made to correct work if constructed incorrectly without pre-approval by Owners Representative.
- Contractor responsible to maintain all layout stakes during construction. No additional payment will be made to replace layout stakes.
- Place stakes at edges of sport courts, fields, limits of playground, shelter, and every 25 feet on center along centerline of all pathways for review by the Owner's Representative prior to earthwork operations.
- All walls are dimensioned to Face of Wall unless otherwise noted.
- All dimensions from roadway are from Back of Curb unless otherwise noted.
- All curves and radii to be smooth and not segmented.
- Contractor to provide layout stakes every 10 feet minimum for large arcs where radius points are not accessible.
- Adjustment to stake locations due to discrepancies between coordinates and dimensions is incidental to the contract. No additional payments will be made for this work.
- All roadway widths are measured from edge of pavement to edge of pavement unless otherwise shown on the plans.
- Contractor responsible to take delivery, assemble and install all materials and furnishings per manufacturer's instructions.
- Place control and expansion joints as shown on plans and details for all curbs, walks, walls, steps, and concrete paving. Where joints are not shown, place control joints a maximum of 10 feet on center, expansion joints a maximum of 30 feet on center, and between all separate pours.
- Contractor will maintain use zone requirements within soft surfacing; no use zone will overlap or be tangent unless noted. Adjust playground barrier curb and/or adjacent paving as needed to accommodate play equipment fall zones.
- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation.
- Layout of soft surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND

- Expansion Joint
- Centerline (do not construct)
- Asphalt Paving - Vehicular
- Unit Paving
- Concrete Paving
- Poured-in-Place Surfacing
- Floodway Limits
- 100 Year Floodplain Limits
- Wetland Limits



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PREPARED FOR

Village of Algonquin

2200 Harnish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

CONSULTANTS

Civil Engineer
Christopher B. Burke Engineering, Ltd.
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Architect

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Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

CHECKED BY: SMK / DNF DRAWN BY: BND / CNO

SHEET TITLE
Layout and Materials Plan - East Pathway

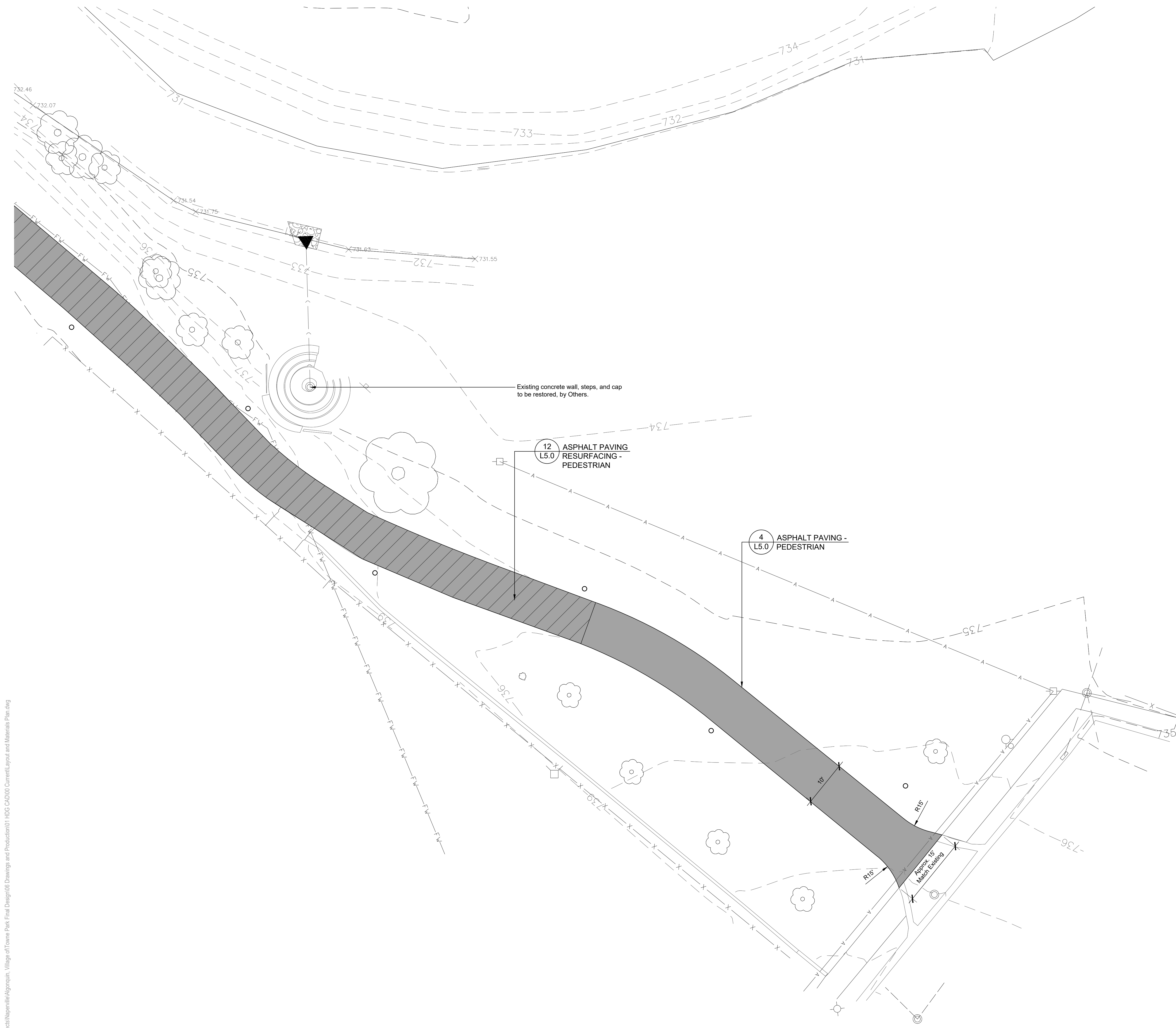
SCALE IN FEET
1" = 10'

NORTH SHEET NUMBER

L3.4

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LAYOUT NOTES

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- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation.
- Layout of soft surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND

- Expansion Joint
- Centerline (do not construct)
- Asphalt Paving - Pedestrian
- Asphalt Paving - Pedestrian (Resurfacing)
- Unit Paving
- Concrete Paving
- Floodway Limits



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PREPARED FOR

Village of Algonquin

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PROJECT

Towne Park

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Architect

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Issue for Construction

May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY
SMK / DNF

DRAWN BY
BND /CNO

SHEET TITLE

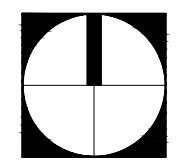
Layout and Materials Plan - South Connection

SCALE IN FEET

1" = 10'



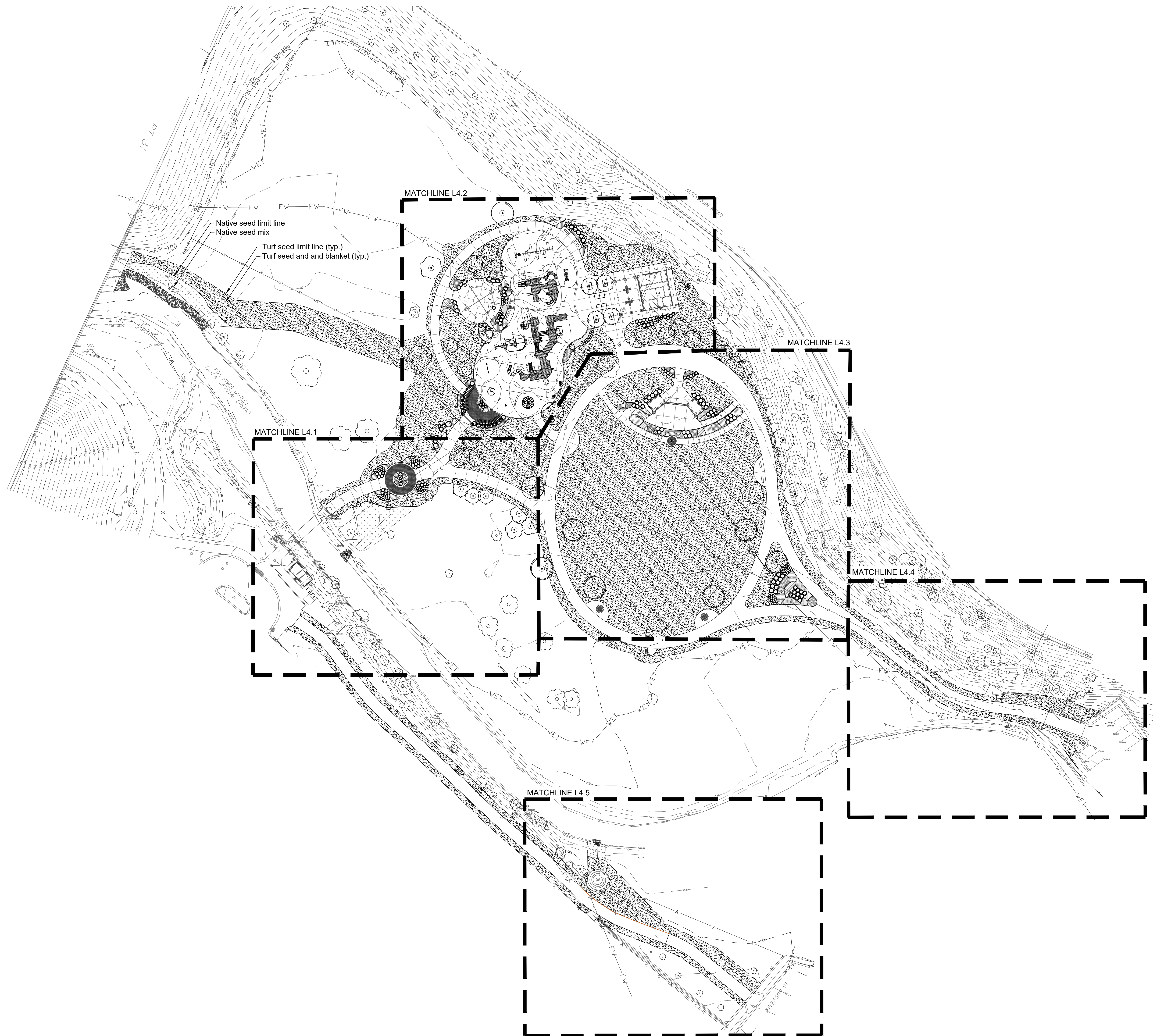
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SHEET NUMBER

L3.5

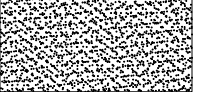

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PLANTING NOTES

1. Seed limit line is approximate. Seed to limits of grading and disturbance. Contractor responsible for restoration of any unauthorized disruption outside of designated construction area.
2. Contractor responsible for erosion control in all seeded areas.
3. Tree mulch rings in turf areas are 5 foot diameter, typical. Contractor shall provide a mulch ring around all existing trees within the limit of work. Remove all existing grass from area to be mulched and provide a typical v-trench edge.
4. Bedlines are to be spade cut to a minimum depth of 3 inches unless otherwise shown on the plans. Curved bedlines are to be smooth and not segmented.
5. Do not locate plants within 10' of utility structures, or within 5' horizontally of underground utility lines unless otherwise shown on the plans. Consult with Landscape Architect if these conditions exist.
6. Plants and other materials are quantified and summarized for the convenience of the Owner and jurisdictional agencies only. Confirm and install sufficient quantities to complete the work as drawn and specified. No additional payments will be made for materials required to complete the work as drawn and specified.
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PLANTING LEGEND

-  Turf Seed and Blanket
-  Native Seed



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PROJECT

Towne Park

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Issue for Construction

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REVISIONS

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SHEET TITLE

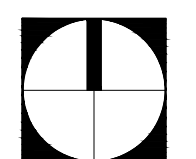
Planting Plan-Overall

SCALE IN FEET

1" = 40'



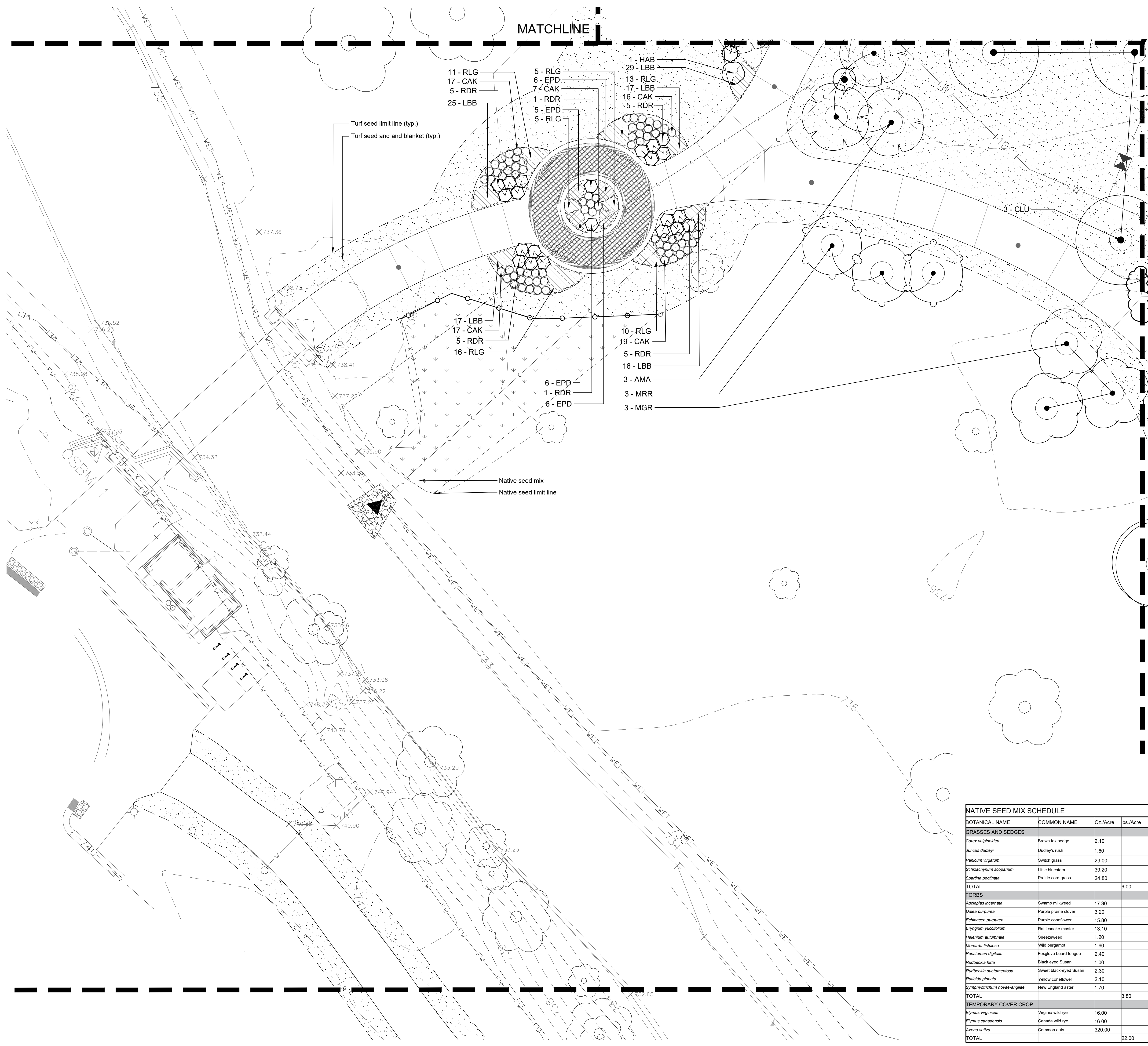
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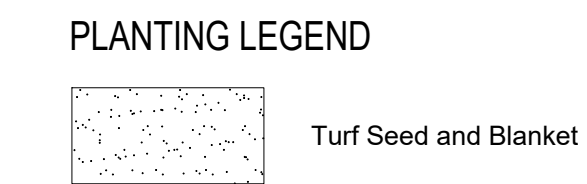
SHEET NUMBER

L4.0

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- PLANTING NOTES**
- Seed limit line is approximate. Seed to limits of grading and disturbance. Contractor responsible for restoration of any unauthorized disruption outside of designated construction area.
 - Contractor responsible for erosion control in all seeded areas.
 - Tree mulch rings in turf areas are 5 foot diameter, typical. Contractor shall provide a mulch ring around all existing trees within the limit of work. Remove all existing grass from area to be mulched and provide a typical v-trench edge.
 - Bedlines are to be spade cut to a minimum depth of 3 inches unless otherwise shown on the plans. Curved bedlines are to be smooth and not segmented.
 - Do not locate plants within 10' of utility structures, or within 5' horizontally of underground utility lines unless otherwise shown on the plans. Consult with Landscape Architect if these conditions exist.
 - Plants and other materials are quantified and summarized for the convenience of the Owner and jurisdictional agencies only. Confirm and install sufficient quantities to complete the work as drawn and specified. No additional payments will be made for materials required to complete the work as drawn and specified.
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PLANT SCHEDULE


SYMBOL	CODE	COMMON / BOTANICAL NAME	SIZE	QTY
TREES				
●	CLU	American Yellowwood / Cladrastis kentuckia	2" Cal.	5
●	MAA	Amur Maackia / Maackia amurensis	2" Cal.	2
●	GBA	Autumn Gold Maidenhair Tree / Griseba bitoria 'Autumn Gold'	2" Cal.	3
●	PMT	Exclamation™ London Plane Tree / Platanus x acerifolia 'Morton Circle'	2" Cal.	2
●	TDM	Shawnee Brave Bald Cypress / Taxodium distichum 'Shawnee Brave'	2.5" Cal.	4
●	LSY	Sweet Gum / Liquidambar styraciflua	2" Cal.	2
●	LTU	Tulay Poplar / Liquidambar tulipifera	2" Cal.	6
ORNAMENTAL TREE				
●	AMA	Autumn Brilliance Apple Serviceberry / Amelanchier x grandiflora 'Autumn Brilliance'	8" H. Multi-Stem	9
●	MGR	Golden Raindrops™ Crabapple / Malus x 'Schmidtroseae'	1.5" Cal.	10
●	MRR	Royal Raindrops Crabapple / Malus x 'Royal Raindrops'	1.5" Cal.	6
SHRUBS				
●	JHC	Andora Compact Juniper / Juniperus horizontalis 'Compacta'	3 Gal.	10
●	HAN	Annabelle Hydrangea / Hydrangea arborescens 'Annabelle'	3 Gal.	39
●	RDR	Double Knock Out® Red Rose / Rosa x 'Raddio'	3 Gal.	28
●	SJY	Double Play® Gold Spirea / Spirea japonica 'Yar'	3 Gal.	13
●	SJG	Goldmound Japanese Spirea / Spirea japonica 'Goldmound'	3 Gal.	15
●	RAG	Green Mound Alpine Currant / Ribes alpinum 'Green Mound'	3 Gal.	10
●	HAB	Incrediball® Hydrangea / Hydrangea arborescens 'Abetwe'	3 Gal.	3
●	JCK	Kelley Compact Pfitzer Juniper / Juniperus chinensis 'Kallaya Compact'	3 Gal.	24
●	DKO	Kodak® Orange Diervilla / Diervilla x 'G2X8854'	3 Gal.	12
ORNAMENTAL GRASSES				
●	CAK	Karl Foerster Feather Reed Grass / Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	190
●	PSH	Shenandoah Switch Grass / Panicum virgatum 'Shenandoah'	1 Gal.	5

SYMBOL	CODE	COMMON / BOTANICAL NAME	SIZE	SPACING	QTY
GROUND COVERS					
■	PLANT MIX 2				229 sf
■	ALL	Millenium Ornamental Onion / Allium x 'Millenium'	1 Gal.	50% @ 18" o.c.	53
■	SES	Autumn Moor Grass / Sesleria autumnalis	1 Gal.	50% @ 18" o.c.	53
■	PLANT MIX 3				82 sf
■	EPD	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	50% @ 18" o.c.	19
■	SHE	Prairie Dropseed / Sporobolus heterolepis	1 Gal.	50% @ 18" o.c.	19
■	PLANT MIX 4				111 sf
■	ATS	Summer Beauty Ornamental Onion / Allium x 'Summer Beauty'	1 Gal.	50% @ 18" o.c.	25
■	NPK	Kit Kat Catmint / Nepeta x 'Kassoni' 'Kit Kat'	1 Gal.	50% @ 18" o.c.	25
■	PLANT MIX 7				94 sf
■	EPS	White Swan Coneflower / Echinacea purpurea 'White Swan'	1 Gal.	50% @ 18" o.c.	22
■	SHT	Tara Prairie Dropseed / Sporobolus heterolepis 'Tara'	1 Gal.	50% @ 18" o.c.	22
■	PLANT MIX 6				177 sf
■	CMW	Montrose White Lesser Catmint / Calamintha nepeta 'Montrose White'	1 Gal.	50% @ 18" o.c.	41
■	EPH	Kim's Knee High Coneflower / Echinacea purpurea 'Kim's Knee High'	1 Gal.	50% @ 18" o.c.	41
■	PLANT MIX 9				64 sf
■	ATU	Butterfly Milkweed / Asclepias tuberosa	1 Gal.	50% @ 18" o.c.	15
■	SHT	Tara Prairie Dropseed / Sporobolus heterolepis 'Tara'	1 Gal.	50% @ 18" o.c.	15
ORNAMENTAL GRASSES					
■	SES	Autumn Moor Grass / Sesleria autumnalis	1 Gal.	18" o.c.	73
■	SHE	Prairie Dropseed / Sporobolus heterolepis	1 Gal.	18" o.c.	74
■	SHT	Tara Prairie Dropseed / Sporobolus heterolepis 'Tara'	1 Gal.	18" o.c.	15

NATIVE SEED MIX SCHEDULE

BOTANICAL NAME	COMMON NAME	Oz./Acre	lbs./Acre
GRASSES AND SEDGES			
Carex vulpinoidea	Brown fox sedge	2.10	
Juncus dudleyi	Dudley's rush	1.60	
Panicum virgatum	Switch grass	29.00	
Schizachyrium scoparium	Little bluestem	99.20	
Spartina pectinata	Prairie cord grass	24.80	
TOTAL			8.00
FORBS			
Asclepias incarnata	Swamp milkweed	17.30	
Dalea purpurea	Purple prairie clover	3.20	
Echinacea purpurea	Purple coneflower	15.80	
Eryngium yuccifolium	Rattlesnake master	13.10	
Helenium autumnale	Sneezeweed	1.20	
Monarda fistulosa	Wild bergamot	1.60	
Penstemon digitalis	Foxglove beard tongue	2.40	
Rudbeckia hirta	Black-eyed Susan	1.00	
Rudbeckia subtomentosa	Sweet black-eyed Susan	2.30	
Ratibida pinnata	Yellow coneflower	2.10	
Symphoricarpon novae-angliae	New England aster	1.70	
TOTAL			3.80
TEMPORARY COVER CROP			
Elymus virginicus	Virginia wild rye	16.00	
Elymus canadensis	Canada wild rye	16.00	
Avena sativa	Common oats	520.00	
TOTAL			22.00

SYMBOL	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
PERENNIALS					
■	LBB	Big Blue Lilyturf / Liriope muscari 'Big Blue'	1 Gal.	12" o.c.	204
■	SBH	Blue Hill Sage / Salvia x sylvestris 'Blue Hill'	1 Gal.	18" o.c.	22
■	RLG	Goldquelle Coneflower / Rudbeckia laciniata 'Goldquelle'	1 Gal.	18" o.c.	127
■	AHK	Halfway to Arkansas Bluestar / Amsonia ciliata 'Halfway to Arkansas'	1 Gal.	18" o.c.	43
■	PDH	Husker Red Beardtongue / Penstemon digitalis 'Husker Red'	1 Gal.	18" o.c.	59
■	NPK	Kit Kat Catmint / Nepeta x 'Kassoni' 'Kit Kat'	1 Gal.	18" o.c.	13
■	ALL	Millenium Ornamental Onion / Allium x 'Millenium'	1 Gal.	18" o.c.	16
■	CMW	Montrose White Lesser Catmint / Calamintha nepeta 'Montrose White'	1 Gal.	18" o.c.	56
■	EPD	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	18" o.c.	96
■	NFP	Purrsian Blue Catmint / Nepeta x 'Purrsian Blue'	Flat (50 per)	18" o.c.	19
■	VSR	Red Fox Spike Speedwell / Veronica spicata 'Red Fox'	1 Gal.	18" o.c.	29
■	PAT	Russian Sage / Perovskia atriplicifolia	1 Gal.	24" o.c.	26
■	RSV	Shoney Coneflower / Rudbeckia fulgida speciosa	1 Gal.	18" o.c.	157
■	HSD	Silom Double Classic Daylily / Hemerocallis x 'Silom Double Classic'	1 Gal.	18" o.c.	62
■	HMO	Spotted Geranium / Geranium maculatum	1 Gal.	18" o.c.	29
■	GSA	Stella de Oro Daylily / Hemerocallis x 'Stella de Oro'	1 Gal.	18" o.c.	38
■	ATT	Storm Cloud Eastern Bluestar / Amsonia tabernaemontana 'Storm Cloud'	1 Gal.	24" o.c.	22



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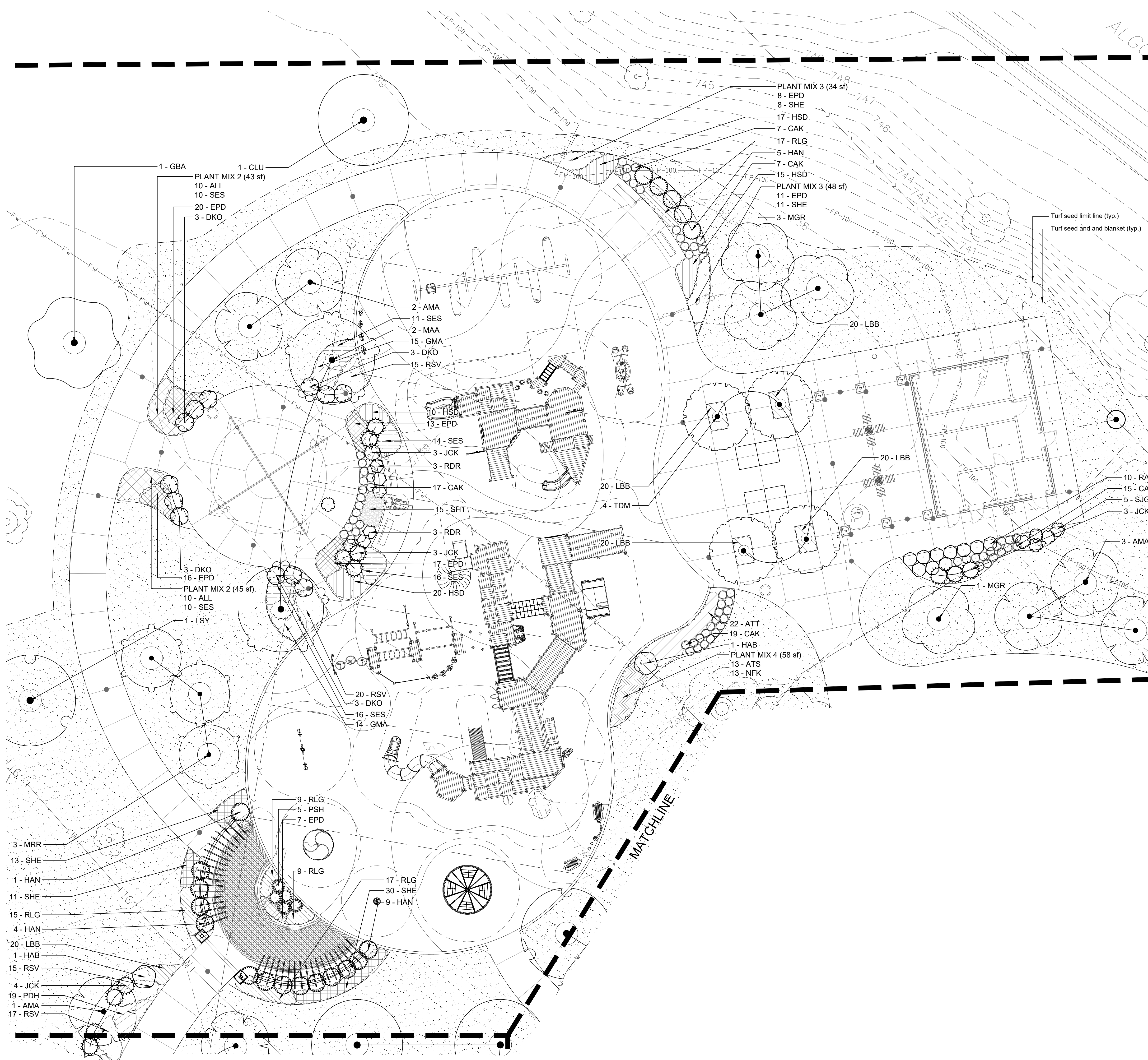
SHEET TITLE
Planting Plan- Main Entry

SCALE IN FEET
1" = 10'



NORTH SHEET NUMBER
L4.1

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7. Refer to specifications for additional conditions, standards and notes.

PLANTING LEGEND



PLANT SCHEDULE

SYMBOL	CODE	COMMON / BOTANICAL NAME	SIZE	QTY
TREES				
●	CLU	American Yellowwood / Cladostis kentuckea	2" Cal.	5
●	MAA	Amur Maackia / Maackia amurensis	2" Cal.	2
●	GBA	Autumn Gold Maderhair Tree / Ginkgo biloba 'Autumn Gold'	2" Cal.	3
●	PMT	Exclamation™ London Plane Tree / Platanus x acerifolia 'Morton Circle'	2" Cal.	2
●	TDM	Shansee Brave Bald Cypress / Taxodium distichum 'Shansee Brave'	2.5" Cal.	4
●	LSY	Sweet Gum / Liquidambar styraciflua	2" Cal.	2
●	LTU	Tulip Poplar / Liriodendron tulipifera	2" Cal.	6
ORNAMENTAL TREE				
●	AMA	Autumn Brilliance Apple Serviceberry / Amelanchier x grandiflora 'Autumn Brilliance'	8" Ht. Multi-Stem	9
●	MGR	Golden Raindrops™ Crabapple / Malus x 'Schneidtkopf'	1.5' Cal.	10
●	MRR	Royal Raindrops Crabapple / Malus x 'Royal Raindrops'	1.5' Cal.	6
SHRUBS				
●	JHC	Andorra Compact Juniper / Juniperus horizontalis 'Compacta'	3 Gal.	10
●	HAN	Annabelle Hydrangea / Hydrangea arborescens 'Annabelle'	3 Gal.	39
●	RDR	Double Knock Out® Red Rose / Rosa x 'Radio'	3 Gal.	28
●	SJY	Double Play® Gold Spiraea / Spiraea japonica 'Yan'	3 Gal.	13
●	SJG	Goldmound Japanese Spiraea / Spiraea japonica 'Goldmound'	3 Gal.	15
●	RAG	Green Mound Alpine Currant / Ribes alpinum 'Green Mound'	3 Gal.	10
●	HAB	Incrediball® Hydrangea / Hydrangea arborescens 'Abetwo'	3 Gal.	3
●	JCK	Kalloy Compact Pfitzer Juniper / Juniperus chinensis 'Kalloy Compact'	3 Gal.	24
●	DKO	Kodiak® Orange Dieris® / Dieris x 'G2X80544'	3 Gal.	12
ORNAMENTAL GRASSES				
●	CAK	Karl Foerster Feather Reed Grass / Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	190
●	PSH	Shenandoah Switch Grass / Panicum virgatum 'Shenandoah'	1 Gal.	5
GROUND COVERS				
■	PLANT MIX 2	Millemum Ornamental Onion / Allium x 'Millennium'	1 Gal.	228 sf
■	ALL	Millemum Ornamental Onion / Allium x 'Millennium'	1 Gal.	50% @ 18" o.c. 53
■	SES	Autumn Moor Grass / Sesleria autumnalis	1 Gal.	50% @ 18" o.c. 53
■	PLANT MIX 3	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	82 sf
■	EPD	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	50% @ 18" o.c. 19
■	SHE	Prairie Droppseed / Sporobolus heterolepis	1 Gal.	50% @ 18" o.c. 19
■	PLANT MIX 4	Summer Beauty Ornamental Onion / Allium x 'Summer Beauty'	1 Gal.	111 sf
■	ATS	Summer Beauty Ornamental Onion / Allium x 'Summer Beauty'	1 Gal.	50% @ 18" o.c. 25
■	NFK	Ki Kat Catmint / Nepeta x 'saesleri' 'Ki Kat'	1 Gal.	50% @ 18" o.c. 25
■	PLANT MIX 7	White Swan Coneflower / Echinacea purpurea 'White Swan'	1 Gal.	94 sf
■	EPS	White Swan Coneflower / Echinacea purpurea 'White Swan'	1 Gal.	50% @ 18" o.c. 22
■	SHT	Tara Prairie Droppseed / Sporobolus heterolepis 'Tara'	1 Gal.	50% @ 18" o.c. 22
■	PLANT MIX 8	Montrose White Lesser Calamint / Calamintha nepeta 'Montrose White'	1 Gal.	177 sf
■	CMW	Montrose White Lesser Calamint / Calamintha nepeta 'Montrose White'	1 Gal.	50% @ 18" o.c. 41
■	EPH	Kim's Knee High Coneflower / Echinacea purpurea 'Kim's Knee High'	1 Gal.	50% @ 18" o.c. 41
■	PLANT MIX 9	Butterfly Milkweed / Asclepias tuberosa	1 Gal.	64 sf
■	ATU	Butterfly Milkweed / Asclepias tuberosa	1 Gal.	50% @ 18" o.c. 15
■	SHT	Tara Prairie Droppseed / Sporobolus heterolepis 'Tara'	1 Gal.	50% @ 18" o.c. 15
ORNAMENTAL GRASS				
■	SES	Autumn Moor Grass / Sesleria autumnalis	1 Gal.	18" o.c. 73
■	SHE	Prairie Droppseed / Sporobolus heterolepis	1 Gal.	18" o.c. 74
■	SHT	Tara Prairie Droppseed / Sporobolus heterolepis 'Tara'	1 Gal.	18" o.c. 15
PERENNIALS				
■	LBB	Big Blue Lilyturf / Liriope muscari 'Big Blue'	1 Gal.	12" o.c. 204
■	SBH	Blue Hill Sage / Salvia x sylvestris 'Blue Hill'	1 Gal.	18" o.c. 22
■	RLG	Goldquelle Coneflower / Rudbeckia laciniata 'Goldquelle'	1 Gal.	18" o.c. 127
■	ANK	Halfway to Arkansas Bluestar / Amsonia ciliata 'Halfway to Arkansas'	1 Gal.	18" o.c. 43
■	PDH	Husker Red Beardtongue / Penstemon digitalis 'Husker Red'	1 Gal.	18" o.c. 59
■	NFK	Ki Kat Catmint / Nepeta x 'saesleri' 'Ki Kat'	1 Gal.	18" o.c. 13
■	ALL	Millemum Ornamental Onion / Allium x 'Millennium'	1 Gal.	18" o.c. 16
■	CMW	Montrose White Lesser Calamint / Calamintha nepeta 'Montrose White'	1 Gal.	18" o.c. 96
■	EPD	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	18" o.c. 96
■	NFP	Puritan Blue Catmint / Nepeta x 'saesleri' 'Puritan Blue'	Flat (50 per)	18" o.c. 19
■	VBR	Red Fox Spike Speedwell / Veronica spicata 'Red Fox'	1 Gal.	18" o.c. 29
■	PAT	Russian Sage / Perovskia atriplicifolia	1 Gal.	24" o.c. 26
■	RSV	Shoory Coneflower / Rudbeckia fulgida speciosa	1 Gal.	18" o.c. 157
■	HSD	Silom Double Classic Daylily / Hemerocallis x 'Silom Double Classic'	1 Gal.	18" o.c. 62
■	GMA	Spotted Geranium / Geranium maculatum	1 Gal.	18" o.c. 29
■	HSD	Stella de Oro Daylily / Hemerocallis x 'Stella de Oro'	1 Gal.	18" o.c. 38
■	ATT	Storm Cloud Eastern Bluestar / Amsonia tabernaemontana 'Storm Cloud'	1 Gal.	24" o.c. 22



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REVISIONS

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SHEET TITLE
Planting Plan-Playground

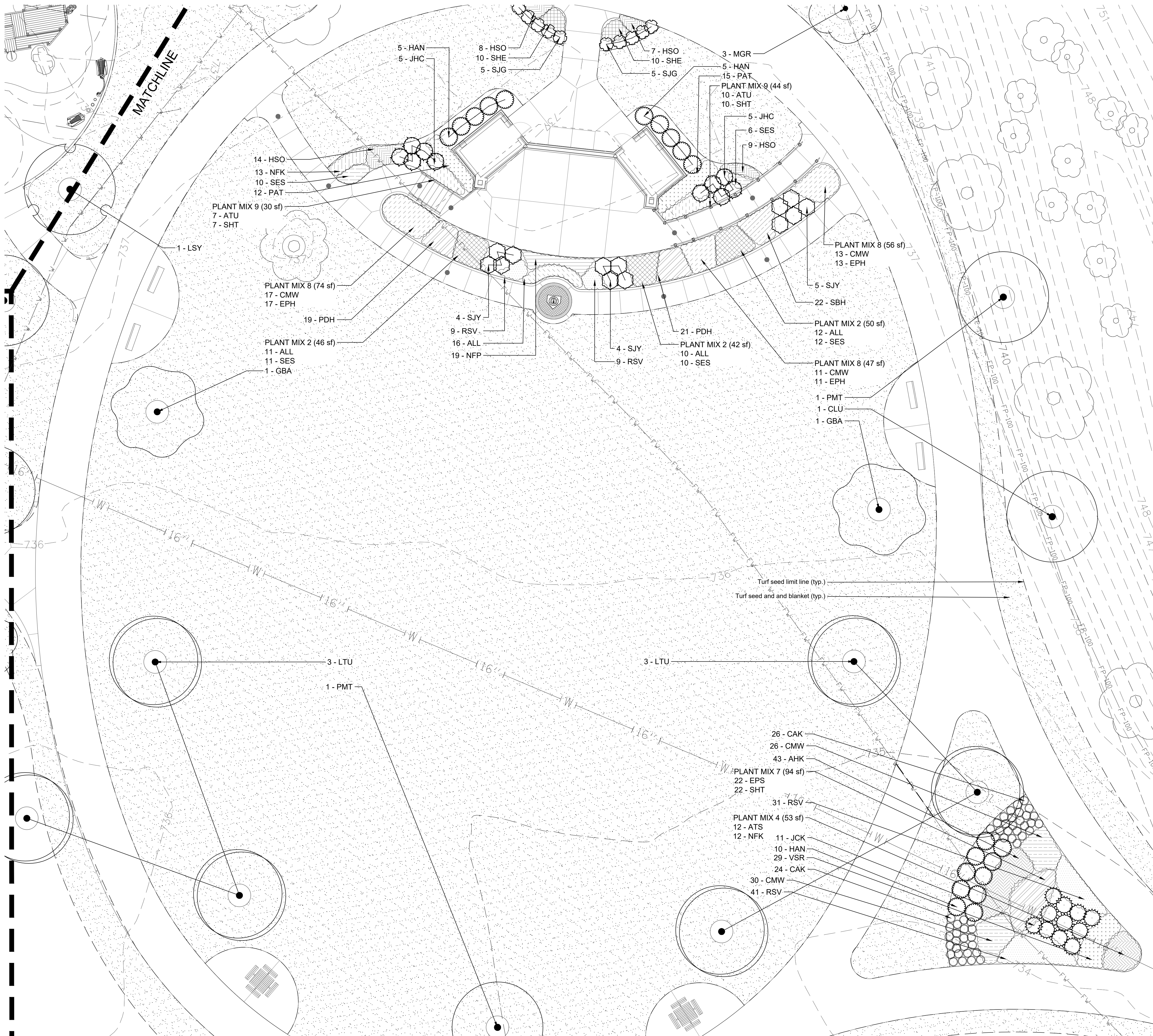
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NORTH

SHEET NUMBER
L4.2

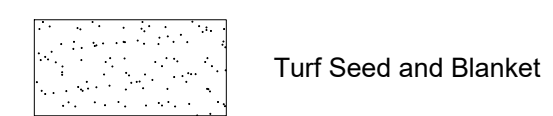
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PLANTING LEGEND



PLANT SCHEDULE

SYMBOL	CODE	COMMON / BOTANICAL NAME	SIZE	QTY
TREES				
●	CLU	American Yellowwood / Cladrastis kentuckia	2" Cal.	5
●	MAA	Amur Maackia / Maackia amurensis	2" Cal.	2
●	GBA	Autumn Gold Maidenhair Tree / Ginkgo biloba 'Autumn Gold'	2" Cal.	3
●	PMT	Excelsior™ London Plane Tree / Platanus x acerifolia 'Morton Circle'	2" Cal.	2
●	TDM	Shawnee Brave Bald Cypress / Taxodium distichum 'Shawnee Brave'	2.5" Cal.	4
●	LSY	Sweet Gum / Liquidambar styraciflua	2" Cal.	2
●	LTU	Tulip Poplar / Liriodendron tulipifera	2" Cal.	6
ORNAMENTAL TREE				
●	AMA	Autumn Brilliance Apple Serviceberry / Amelanchier x grandiflora 'Autumn Brilliance'	8" H. Multi-Stem	9
●	MGR	Golden Raindrops™ Crabapple / Malus x 'Schmidtcutler'	1.5" Cal.	10
●	MRR	Royal Raindrops Crabapple / Malus x 'Royal Raindrops'	1.5" Cal.	6
SHRUBS				
●	JHC	Andorra Compact Juniper / Juniperus horizontalis 'Compacta'	3 Gal.	10
●	HAN	Annabelle Hydrangea / Hydrangea arborescens 'Annabelle'	3 Gal.	39
●	RDR	Double Knock Out® Red Rose / Rosa x 'Radzio'	3 Gal.	28
●	SJY	Double Play® Gold Spirea / Spiraea japonica 'Yan'	3 Gal.	13
●	SJG	Goldmound Japanese Spirea / Spiraea japonica 'Goldmound'	3 Gal.	15
●	RAG	Green Mound Alpine Currant / Ribes alpinum 'Green Mound'	3 Gal.	10
●	HAB	Incrediball® Hydrangea / Hydrangea arborescens 'Abelco'	3 Gal.	3
●	JCK	Kalaxy Compact Pfitzer Juniper / Juniperus chinensis 'Kalaxy Compact'	3 Gal.	24
●	DKO	Kodakki® Orange Diervilla / Diervilla x 'G2X854'	3 Gal.	12
ORNAMENTAL GRASSES				
●	CAK	Karl Foerster Feather Reed Grass / Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	190
●	PSH	Shenandoah Switch Grass / Panicum virgatum 'Shenandoah'	1 Gal.	5
GROUND COVERS				
■	PLANT MIX 2		1 Gal.	228 sf
■	ALL	Millemum Ornamental Onion / Allium x 'Millemum'	1 Gal.	50% @ 18" o.c. 53
■	SES	Autumn Moor Grass / Sesleria autumnalis	1 Gal.	50% @ 18" o.c. 53
■	PLANT MIX 3		1 Gal.	82 sf
■	EPD	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	50% @ 18" o.c. 19
■	SHE	Prairie Dropseed / Sporobolus heterolepis	1 Gal.	50% @ 18" o.c. 19
■	PLANT MIX 4		1 Gal.	111 sf
■	ATS	Summer Beauty Ornamental Onion / Allium x 'Summer Beauty'	1 Gal.	50% @ 18" o.c. 25
■	NFK	Kit Kat Catmint / Nepeta x faassonii 'Kit Kat'	1 Gal.	50% @ 18" o.c. 25
■	PLANT MIX 7		1 Gal.	94 sf
■	EPD	White Swan Coneflower / Echinacea purpurea 'White Swan'	1 Gal.	50% @ 18" o.c. 22
■	SHT	Tara Prairie Dropseed / Sporobolus heterolepis 'Tara'	1 Gal.	50% @ 18" o.c. 22
■	PLANT MIX 8		1 Gal.	177 sf
■	CMW	Montrose White Lesser Calamint / Calamintha nepeta 'Montrose White'	1 Gal.	50% @ 18" o.c. 41
■	EPH	Hank's Knee High Coneflower / Echinacea purpurea 'Hank's Knee High'	1 Gal.	50% @ 18" o.c. 41
■	PLANT MIX 9		1 Gal.	64 sf
■	ATU	Butterfly Milkweed / Asclepias tuberosa	1 Gal.	50% @ 18" o.c. 15
■	SHT	Tara Prairie Dropseed / Sporobolus heterolepis 'Tara'	1 Gal.	50% @ 18" o.c. 15
ORNAMENTAL GRASS				
■	SES	Autumn Moor Grass / Sesleria autumnalis	1 Gal.	18" o.c. 73
■	SHE	Prairie Dropseed / Sporobolus heterolepis	1 Gal.	18" o.c. 74
■	SHT	Tara Prairie Dropseed / Sporobolus heterolepis 'Tara'	1 Gal.	18" o.c. 15
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■	CMW	Montrose White Lesser Calamint / Calamintha nepeta 'Montrose White'	1 Gal.	18" o.c. 56
■	EPD	Pink Double Delight Coneflower / Echinacea purpurea 'Pink Double Delight'	1 Gal.	18" o.c. 96
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■	HSO	Stella de Oro Daylily / Hemerocallis x 'Stella de Oro'	1 Gal.	18" o.c. 38
■	ATD	Storm Cloud Eastern Bluestar / Amsonia tabernaemontana 'Storm Cloud'	1 Gal.	24" o.c. 22

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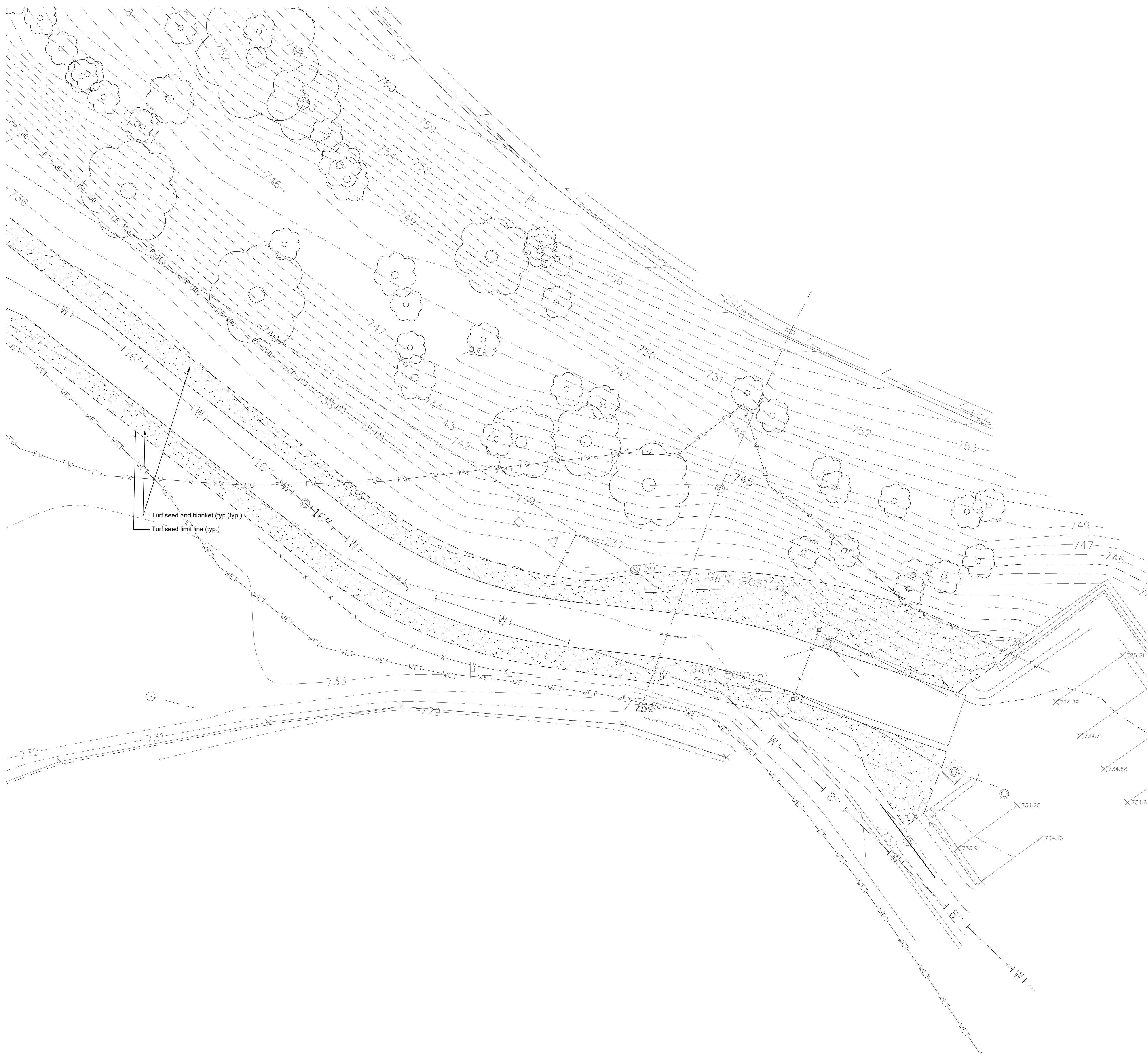
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Planting Plan-Bandshell



NORTH

SHEET NUMBER

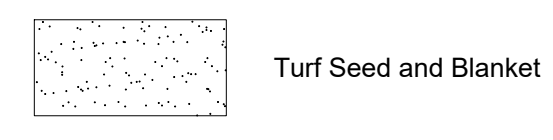
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SHEET TITLE

Planting Plan- East Pathway

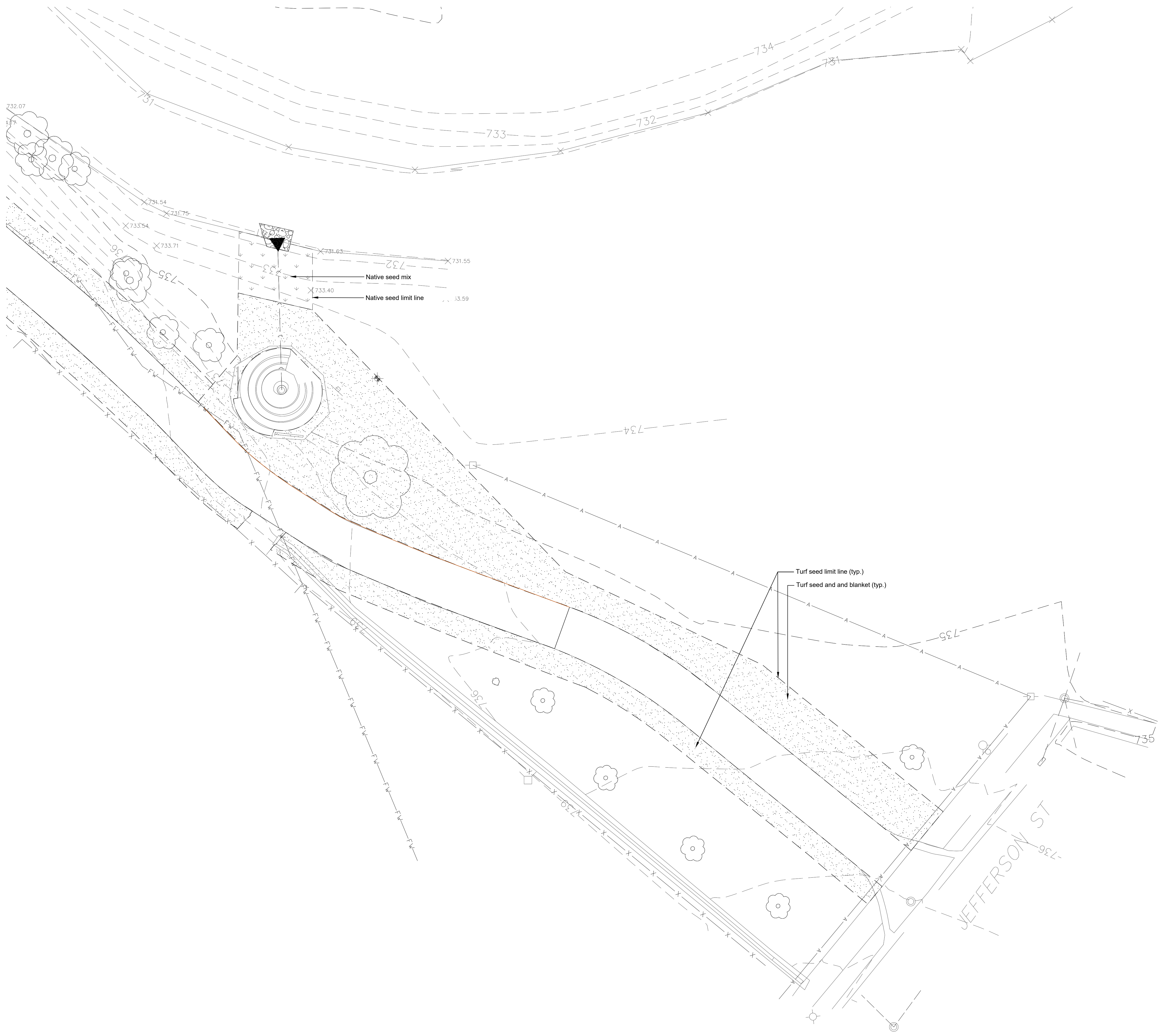
SCALE IN FEET

1" = 10'



NORTH SHEET NUMBER

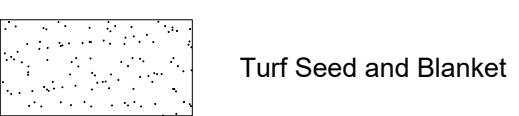




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PLANTING LEGEND



NATIVE SEED MIX SCHEDULE

BOTANICAL NAME	COMMON NAME	Oz./Acre	Lbs./Acre
BRASSES AND SEDGES			
Carex vulpinoidea	Brown fox sedge	2.10	
Ancus dudleyi	Dudley's rush	1.60	
Panicum virgatum	Switch grass	29.00	
Schizachyrium scoparium	Little bluestem	39.20	
Spartina pectinata	Prairie cord grass	24.80	
TOTAL			6.00
FORBS			
Asclepias incarnata	Swamp milkweed	17.30	
Dalea purpurea	Purple prairie clover	3.20	
Echinacea purpurea	Purple coneflower	15.80	
Eryngium yuccifolium	Rattlesnake master	13.10	
Helianthus autumnale	Sneezeweed	1.20	
Morarda fistulosa	Wild bergamot	1.60	
Penstemon digitalis	Foxglove beard tongue	2.40	
Rudbeckia hirta	Black eyed Susan	1.00	
Rudbeckia subtomentosa	Sweet black-eyed Susan	2.30	
Ratibida pinnata	Yellow coneflower	2.10	
Symphoricarum novae-angliae	New England aster	1.70	
TOTAL			3.80
TEMPORARY COVER CROP			
Elymus virginicus	Virginia wild rye	16.00	
Elymus canadensis	Canada wild rye	16.00	
Avena sativa	Common oats	320.00	
TOTAL			22.00



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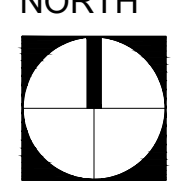
**Planting Plan-
South Connection**

SCALE IN FEET

1" = 10'



NORTH

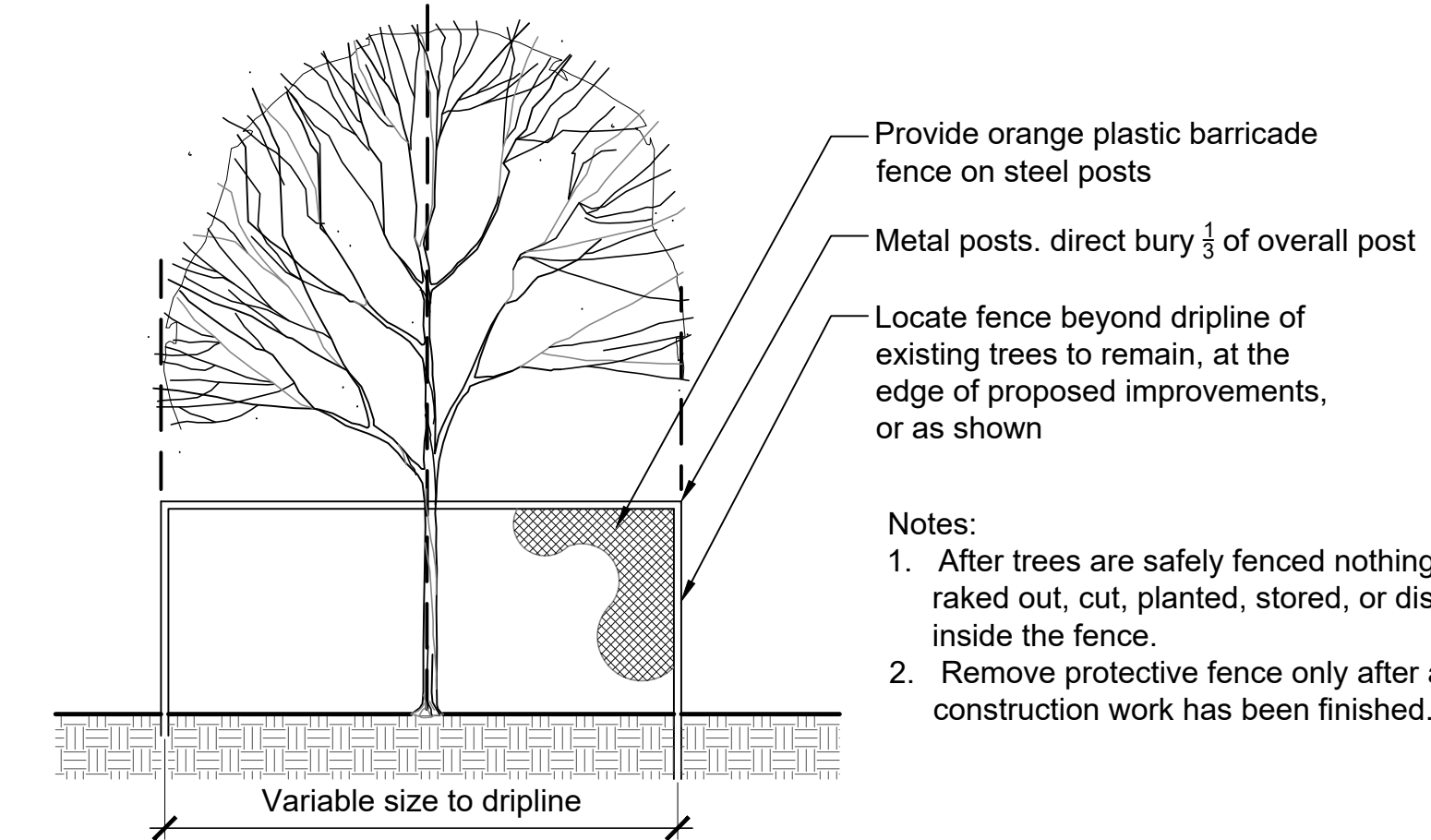
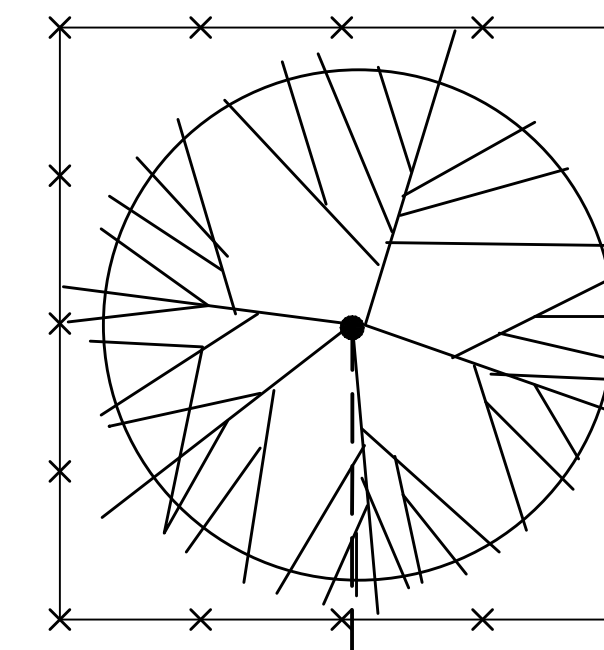


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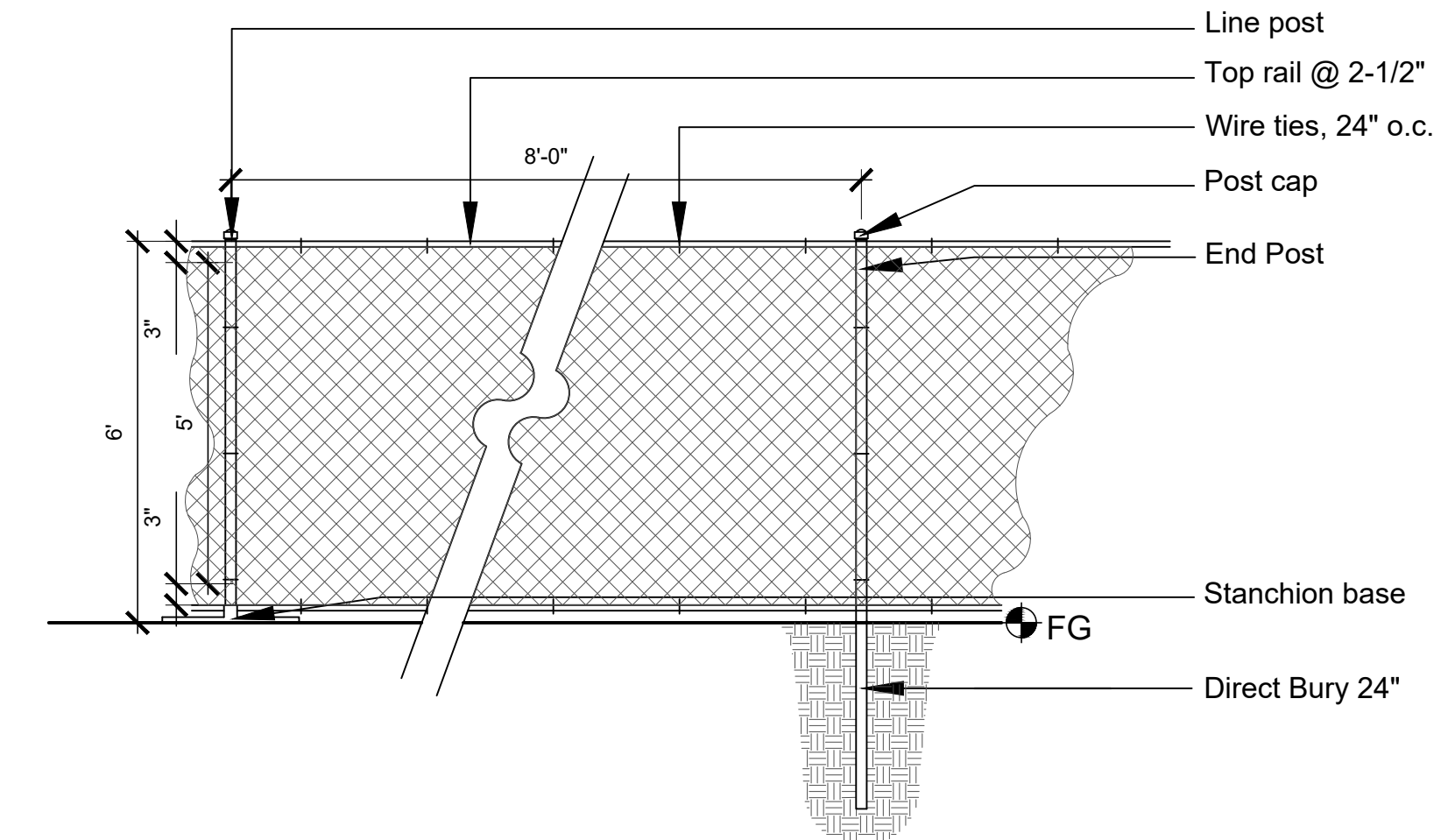
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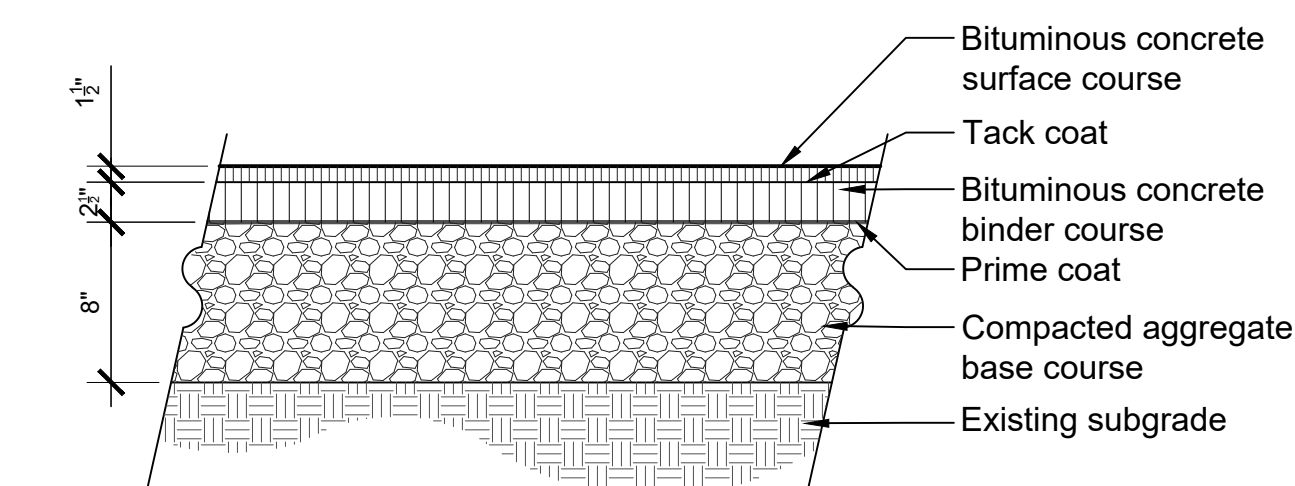
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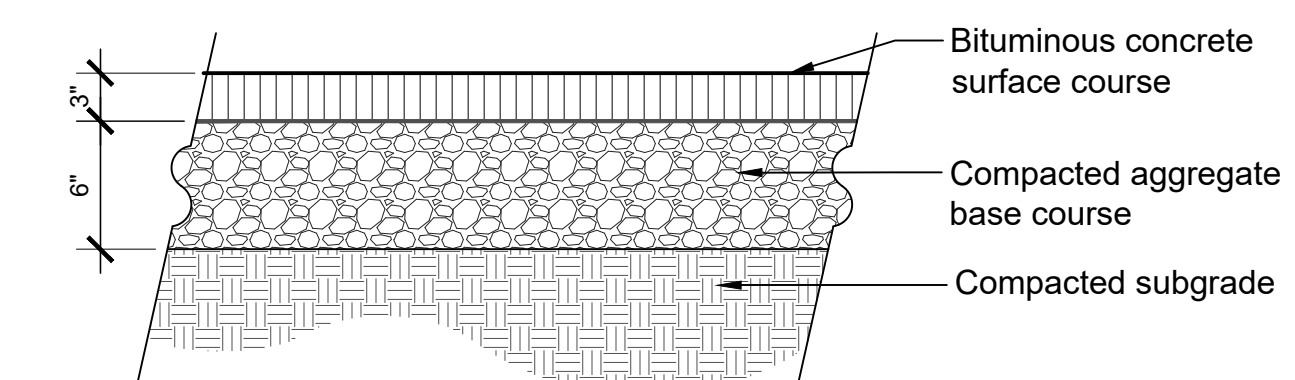
1 TREE PROTECTION FENCE
1/2" = 1'-0"



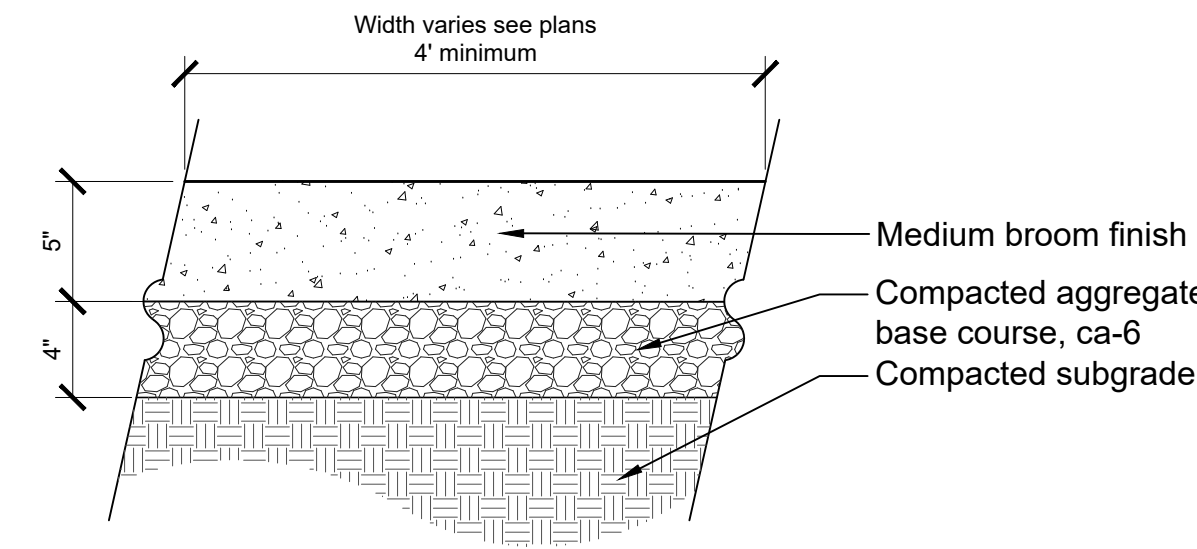
2 TEMPORARY CONSTRUCTION FENCE
3/8" = 1'-0"



3 ASPHALT PAVING - VEHICULAR
1" = 1'-0"

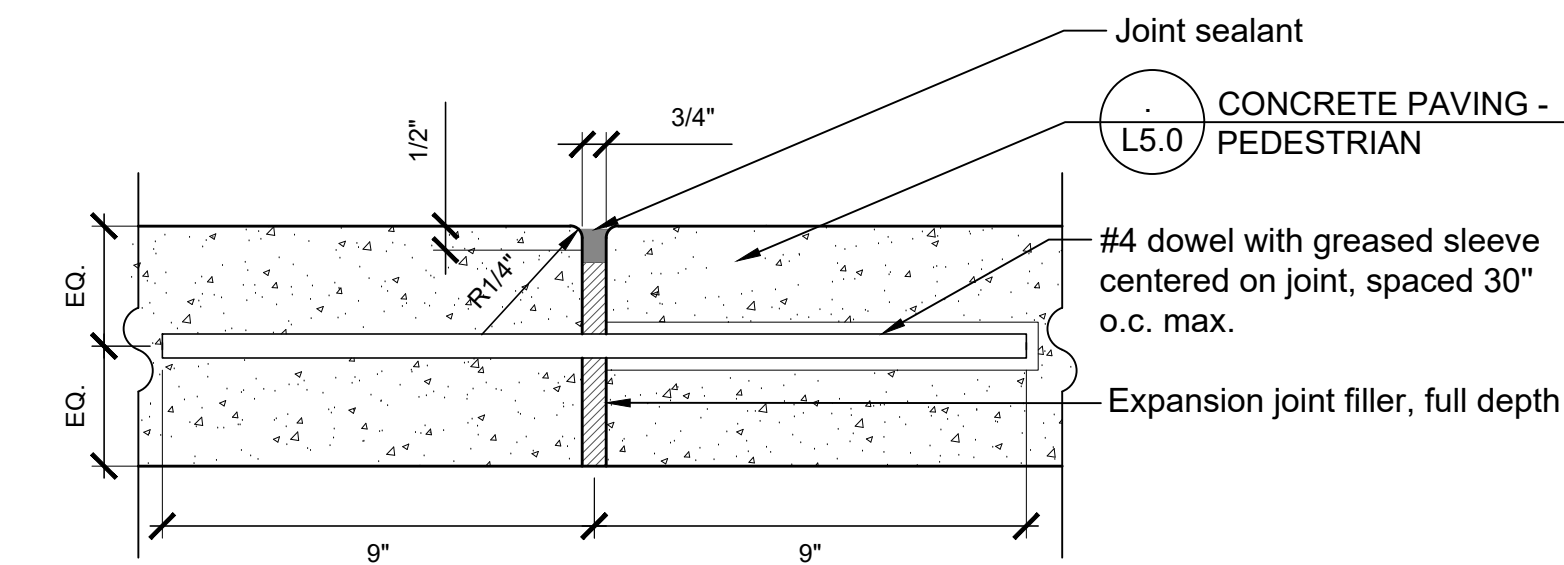


4 ASPHALT PAVING - PEDESTRIAN
1" = 1'-0"

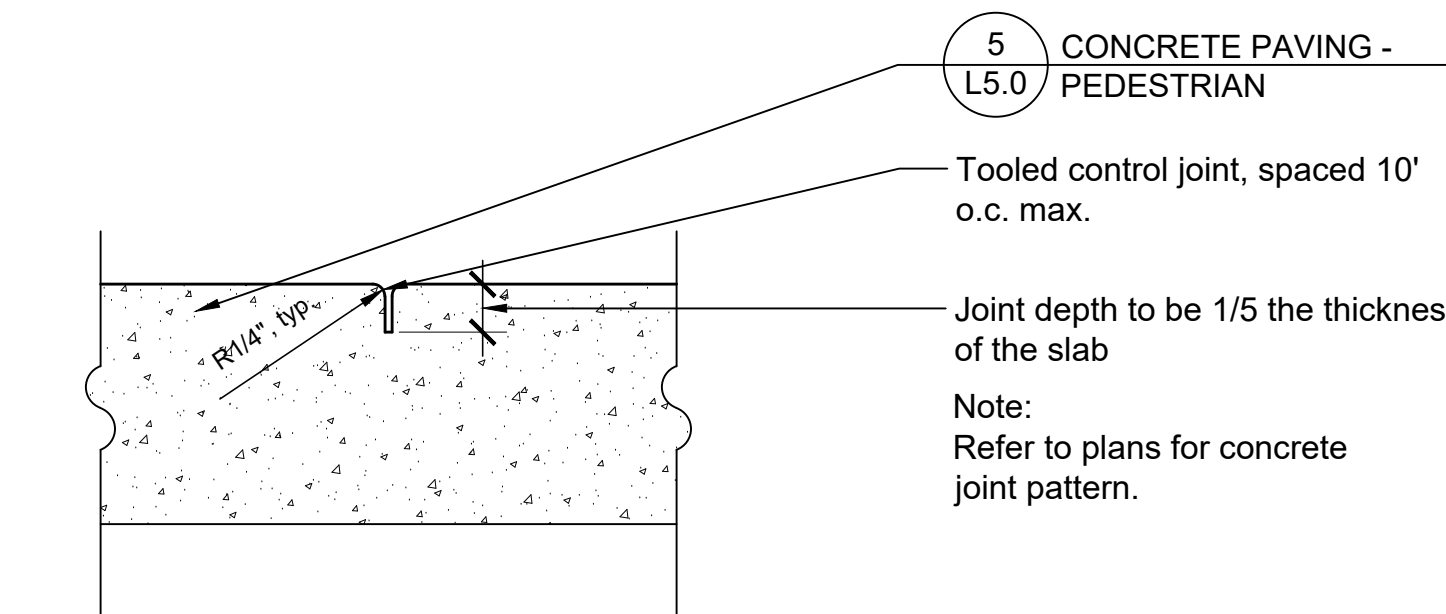


5 CONCRETE PAVING - PEDESTRIAN
1 1/2" = 1'-0"

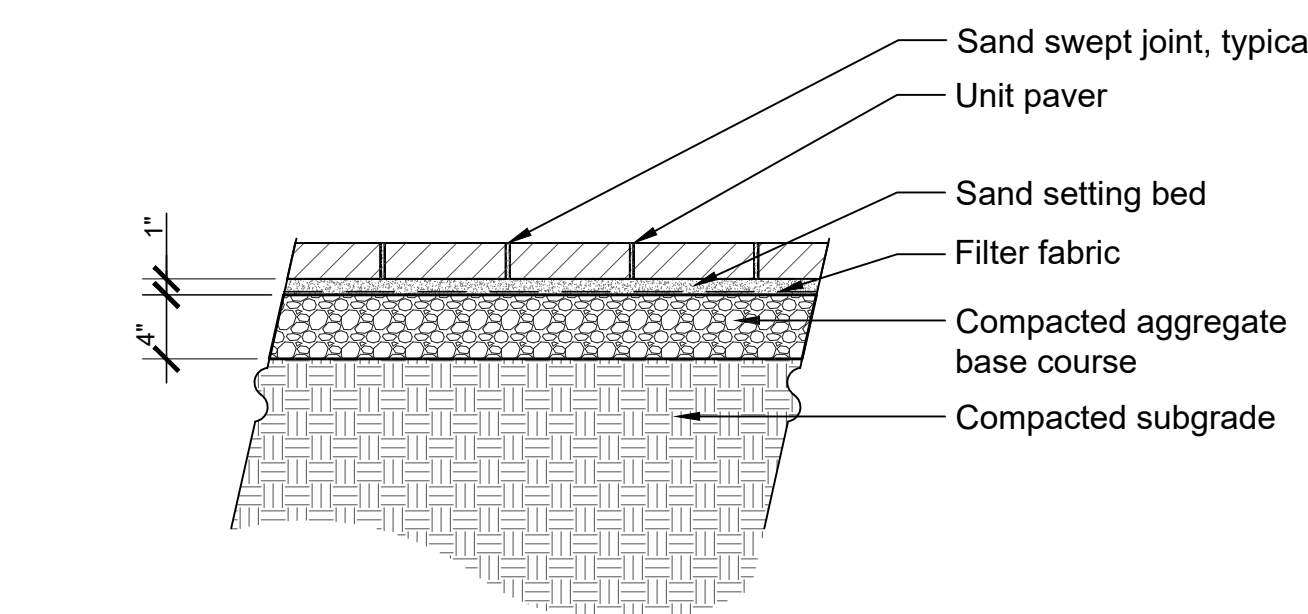
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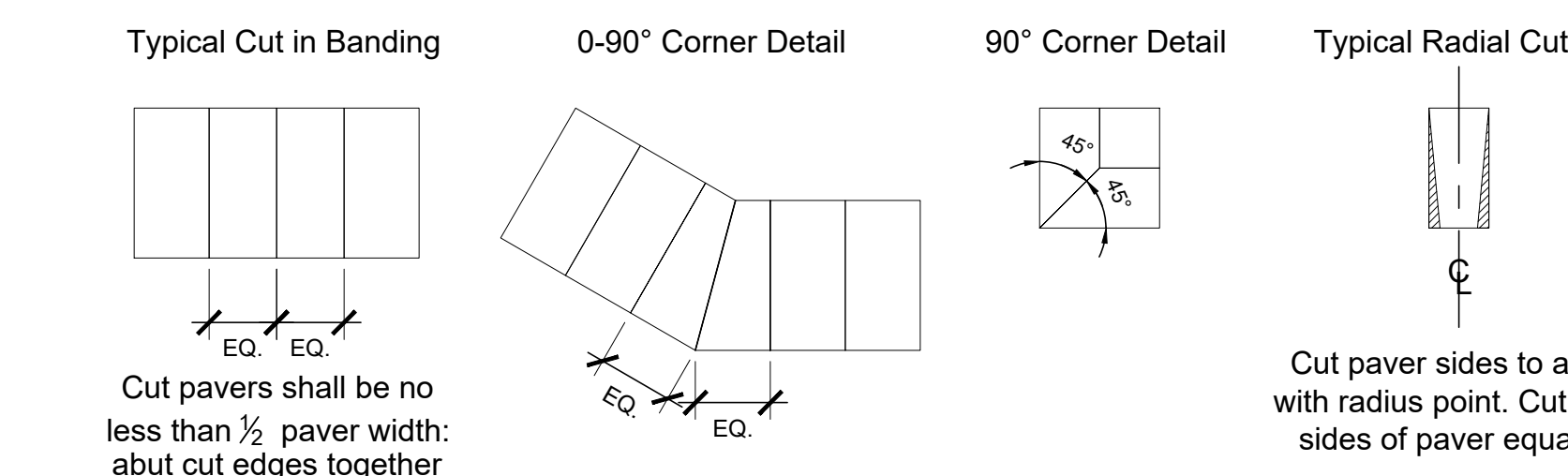
6 EXPANSION JOINT
3" = 1'-0"



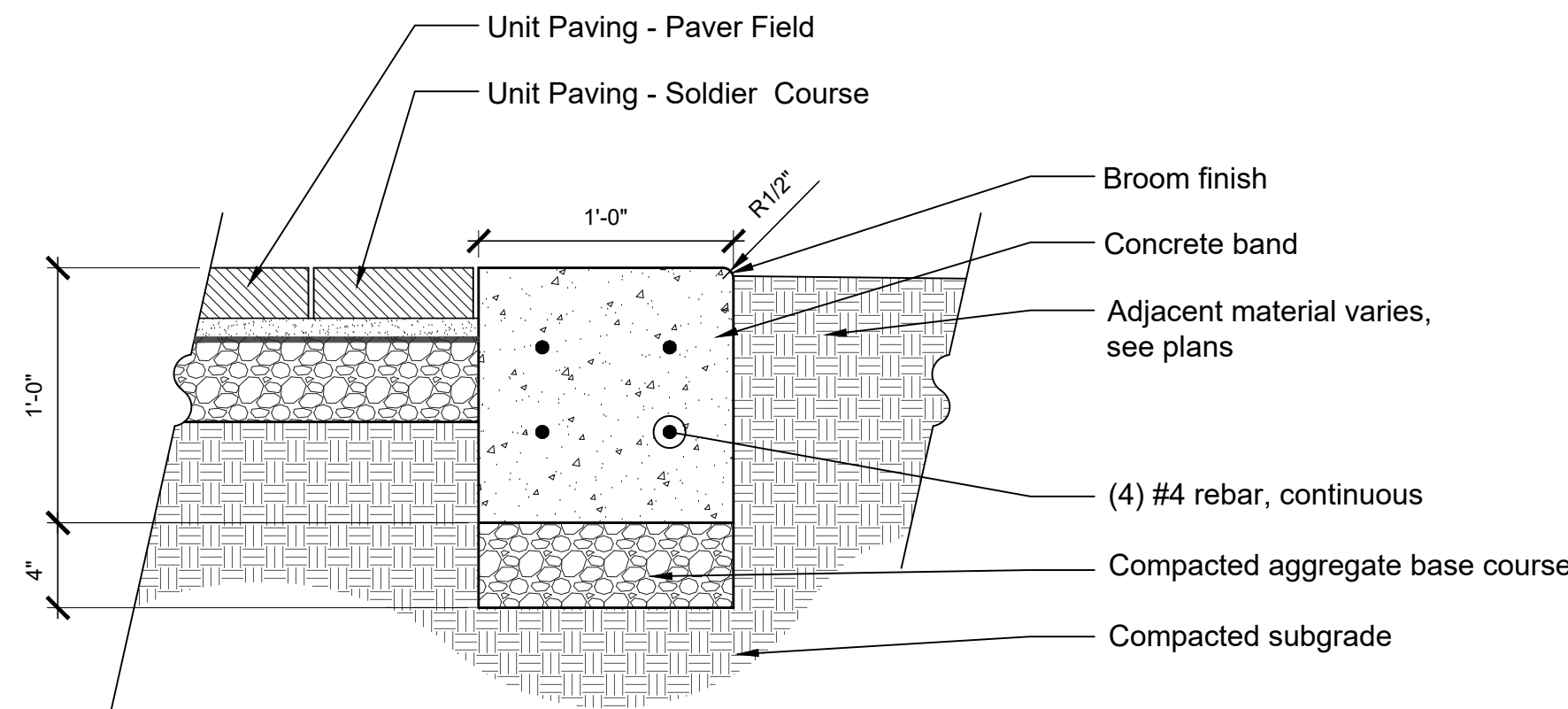
7 CONTROL JOINT
3" = 1'-0"



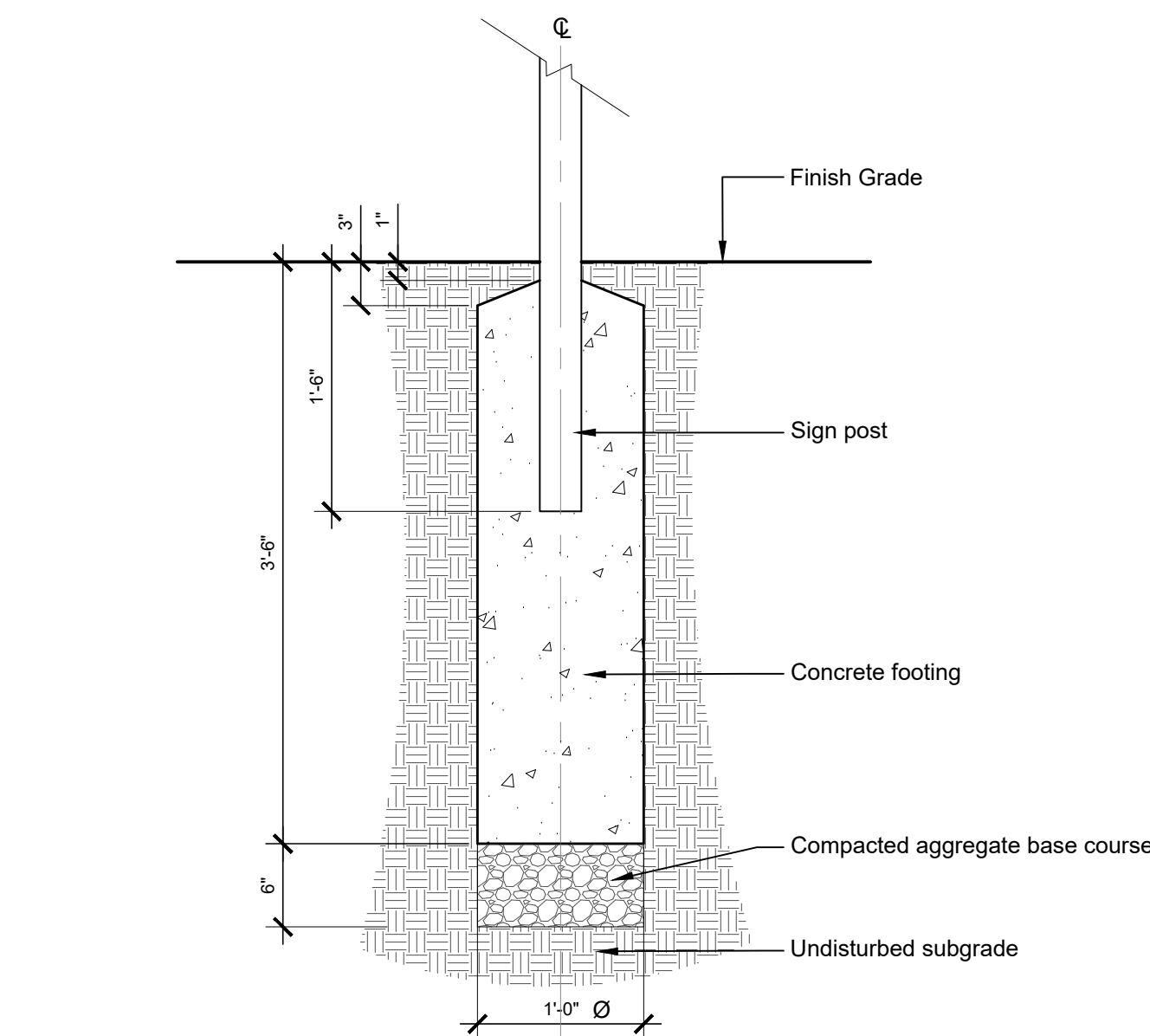
8 UNIT PAVERS
1" = 1'-0"



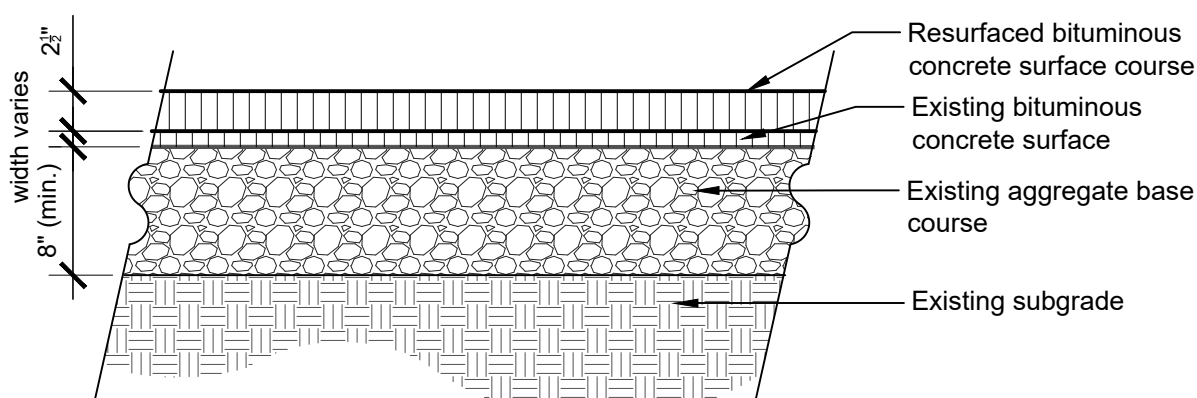
9 TYPICAL PAVER CUTS
1" = 1'-0"



10 CONCRETE BAND
1 1/2" = 1'-0"



11 SIGN FOOTING
1" = 1'-0"



12 ASPHALT PAVING RESURFACING - PEDESTRIAN
1" = 1'-0"

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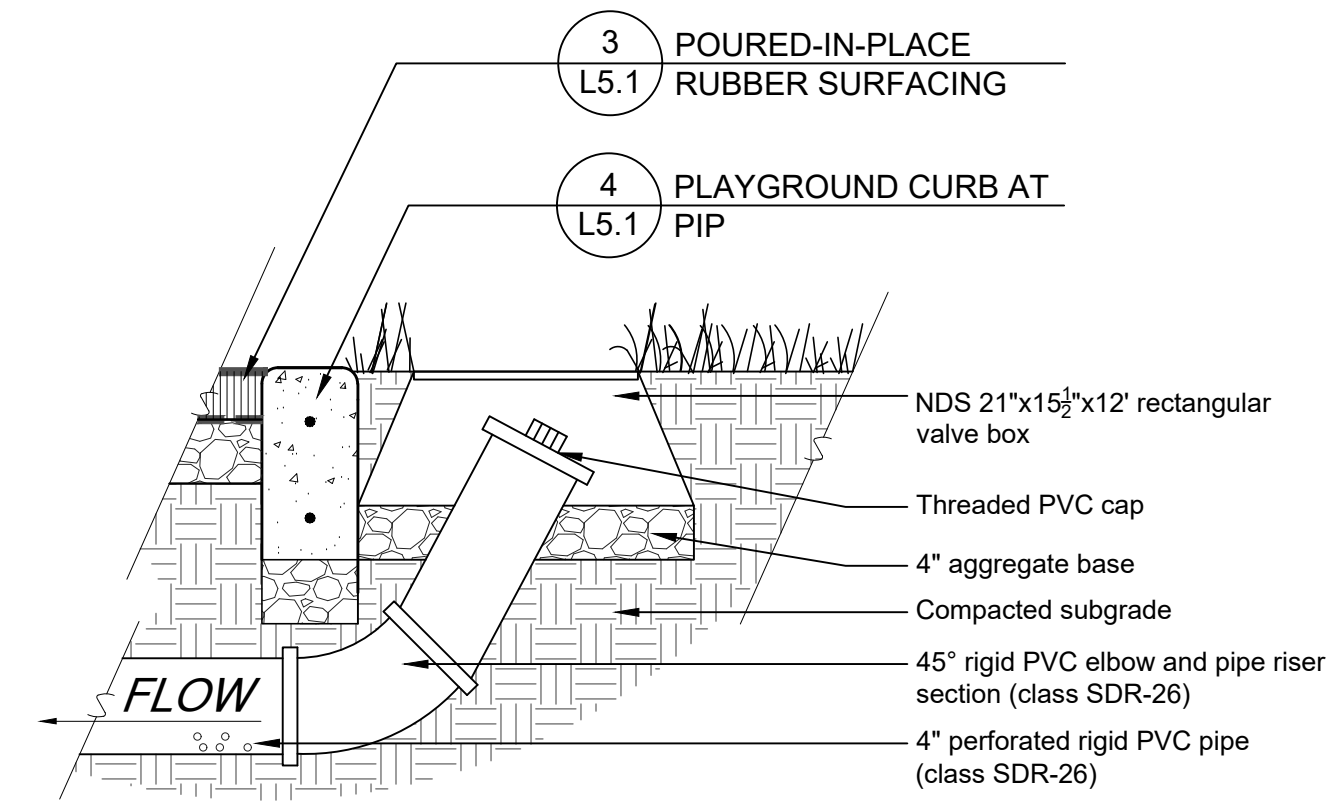
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SCALE IN FEET
as noted

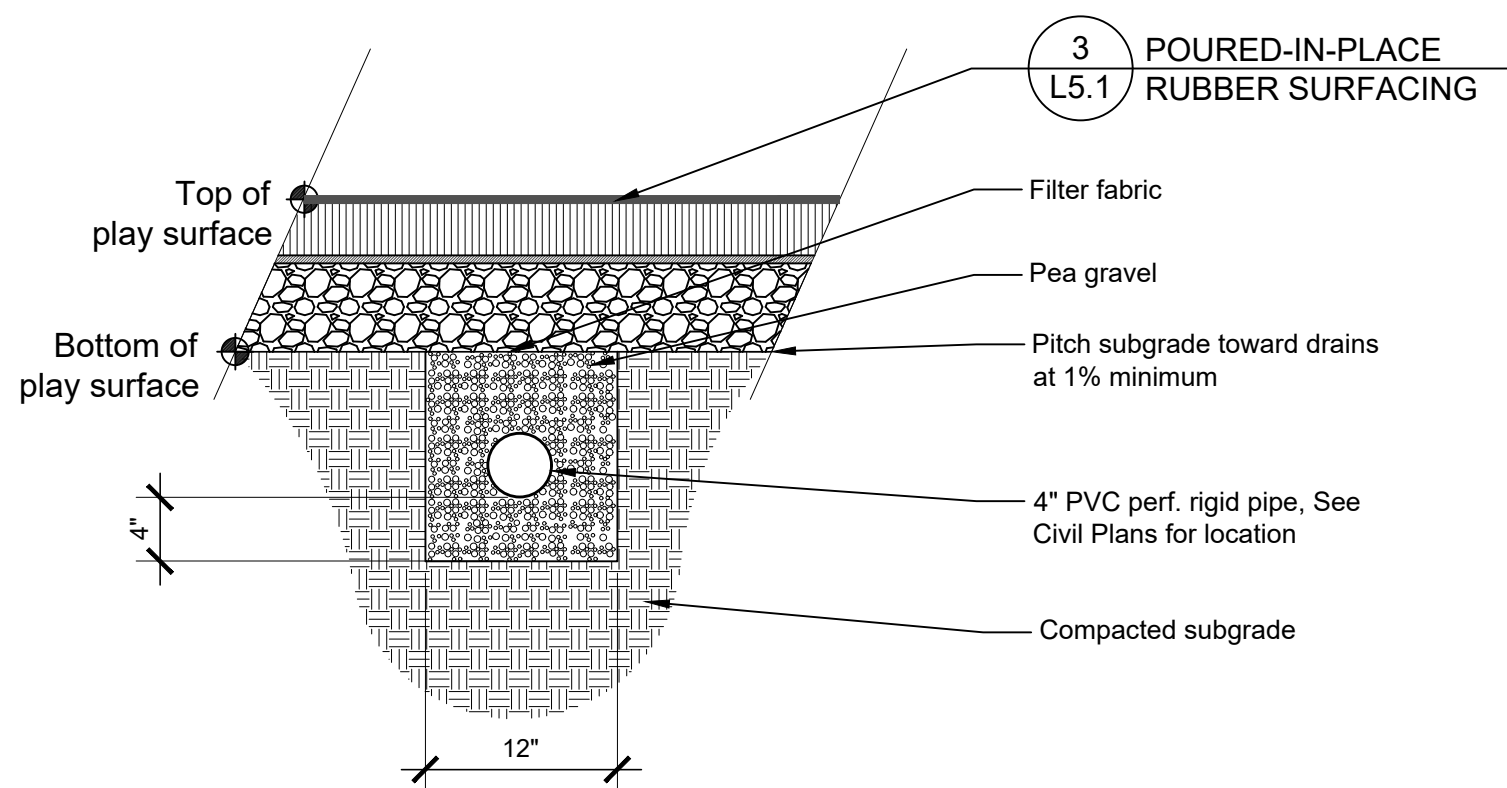
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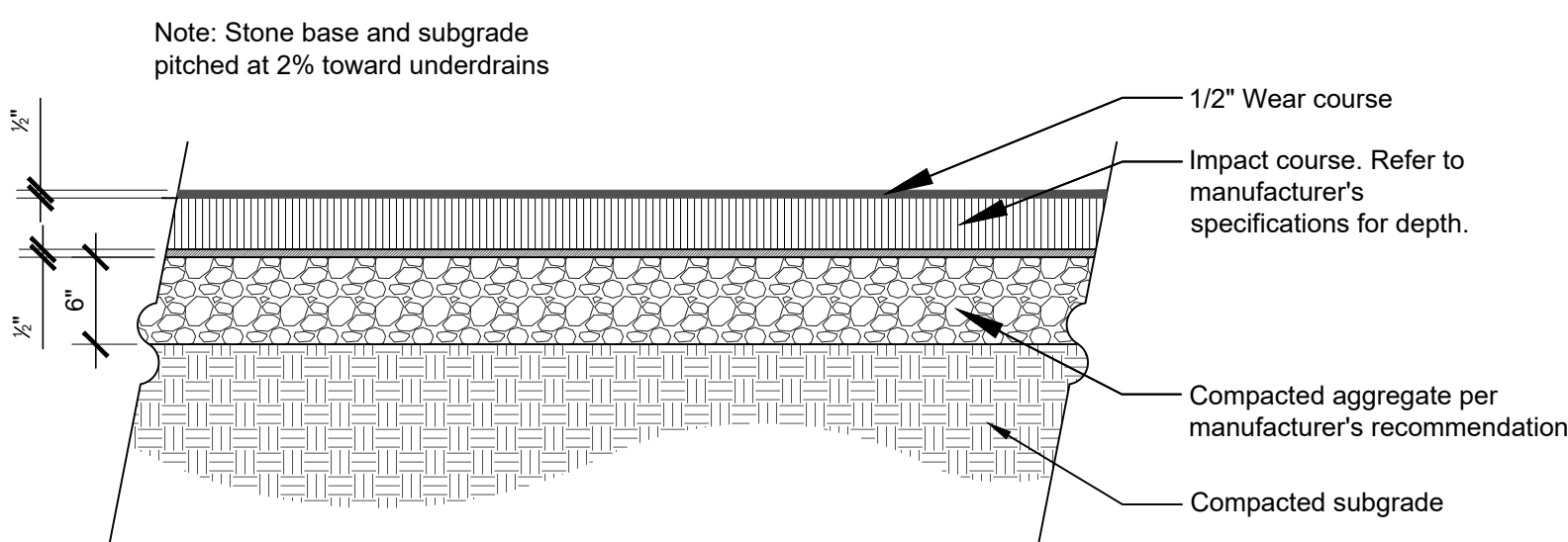
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1 PLAYGROUND CLEANOUT AT POUR IN PLACE
1" = 1'-0"

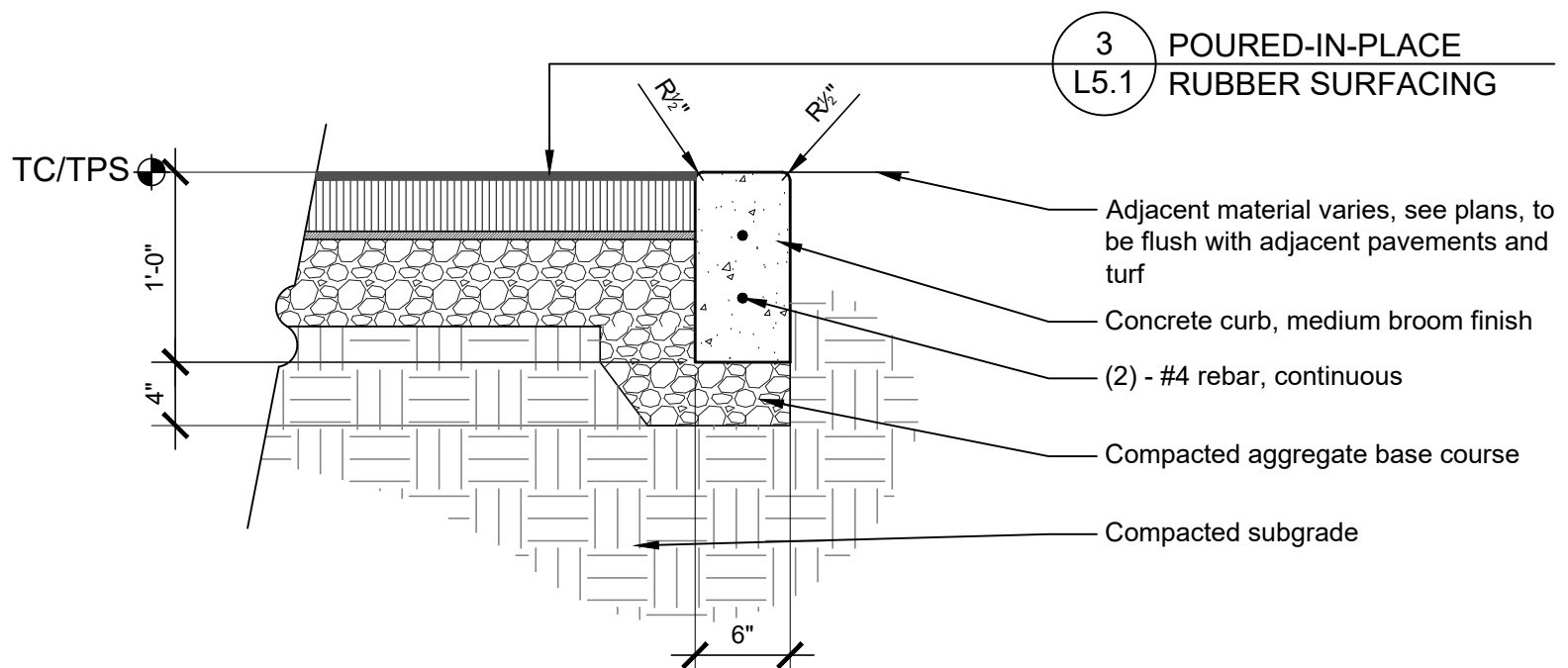


2 PLAYGROUND UNDERDRAIN AT POUR IN PLACE
1" = 1'-0"

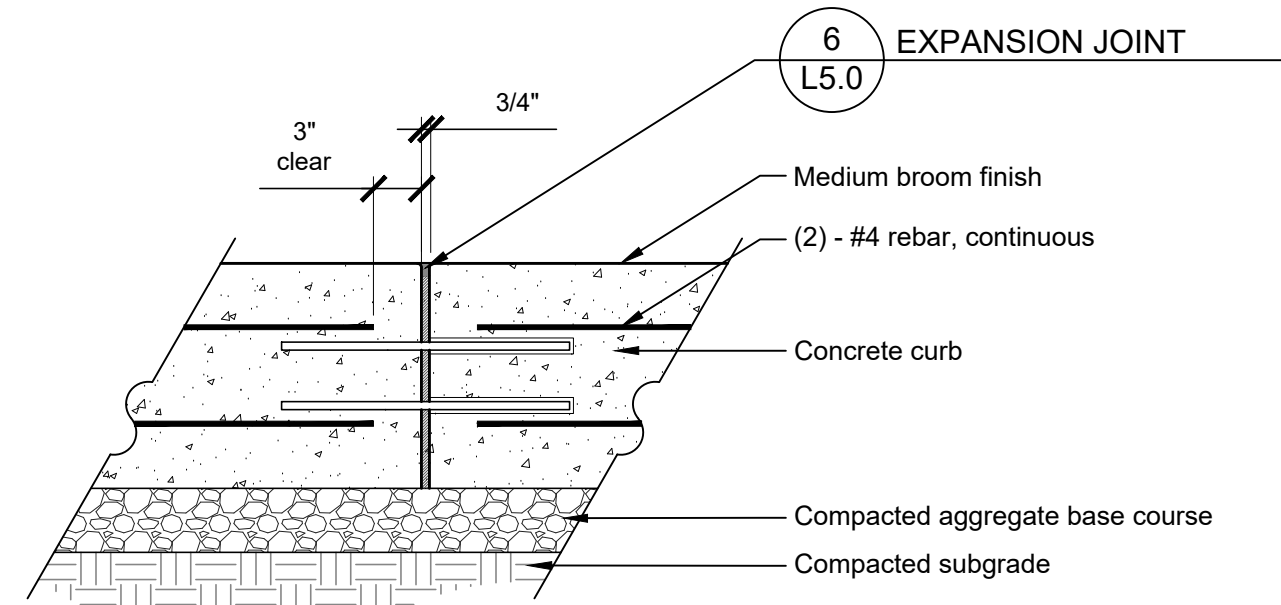


3 THICKENED EDGE CONCRETE PAVING AT PIP
1" = 1'-0"

3 POURED-IN-PLACE RUBBER SURFACING
1" = 1'-0"

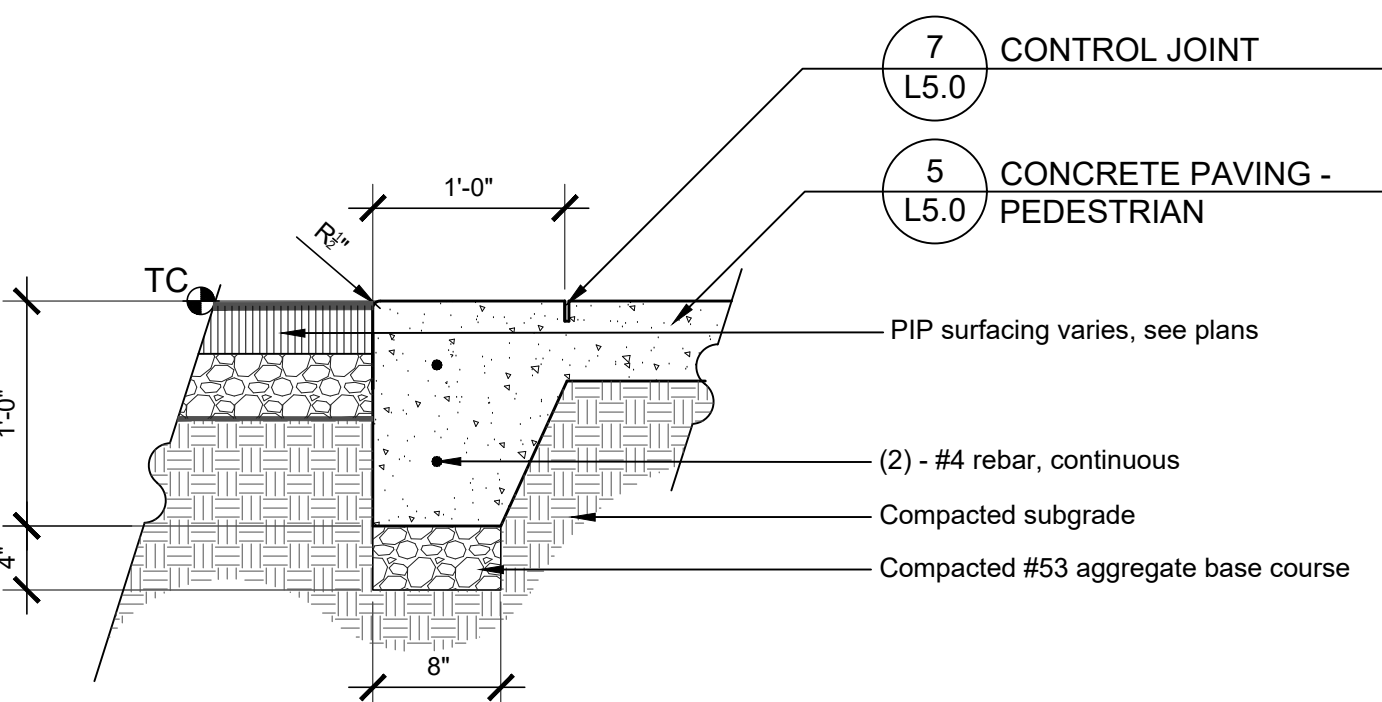


4 PLAYGROUND CURB AT PIP
1" = 1'-0"

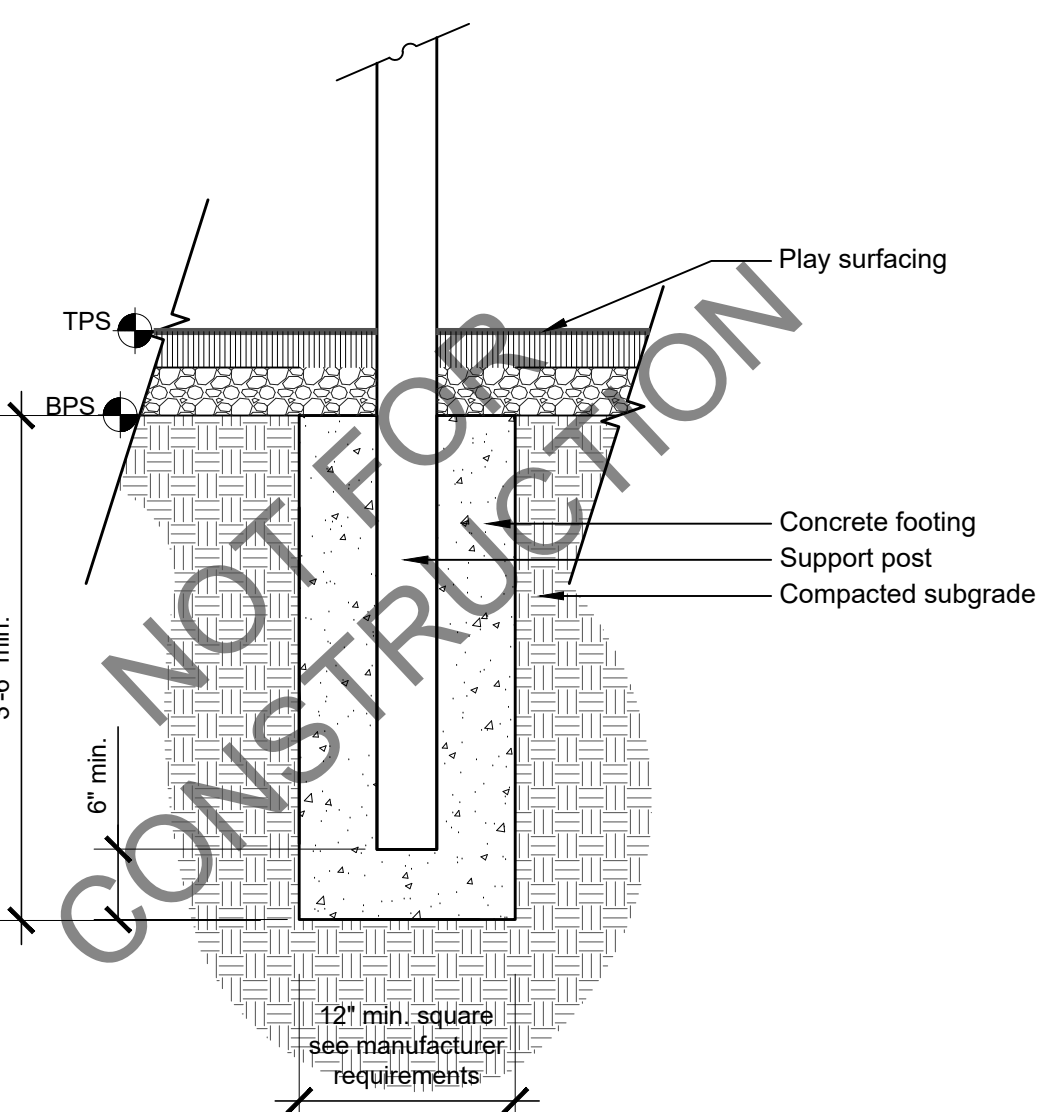


Note:
Place Expansion Joints 30' o.c. unless otherwise noted.

5 EXPANSION JOINT AT PLAYGROUND CURB
1" = 1'-0"



6 CONTROL JOINT
1" = 1'-0"



7 PLAY STRUCTURE POST FOOTING
3/4" = 1'-0"

PREPARED FOR

**Village of
Algonquin**

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

CONSULTANTS

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Issue for Construction

May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY
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DRAWN BY
BND /CNO

SHEET TITLE

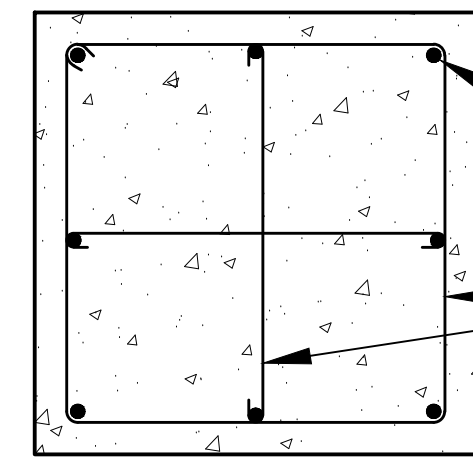
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SCALE IN FEET
as noted

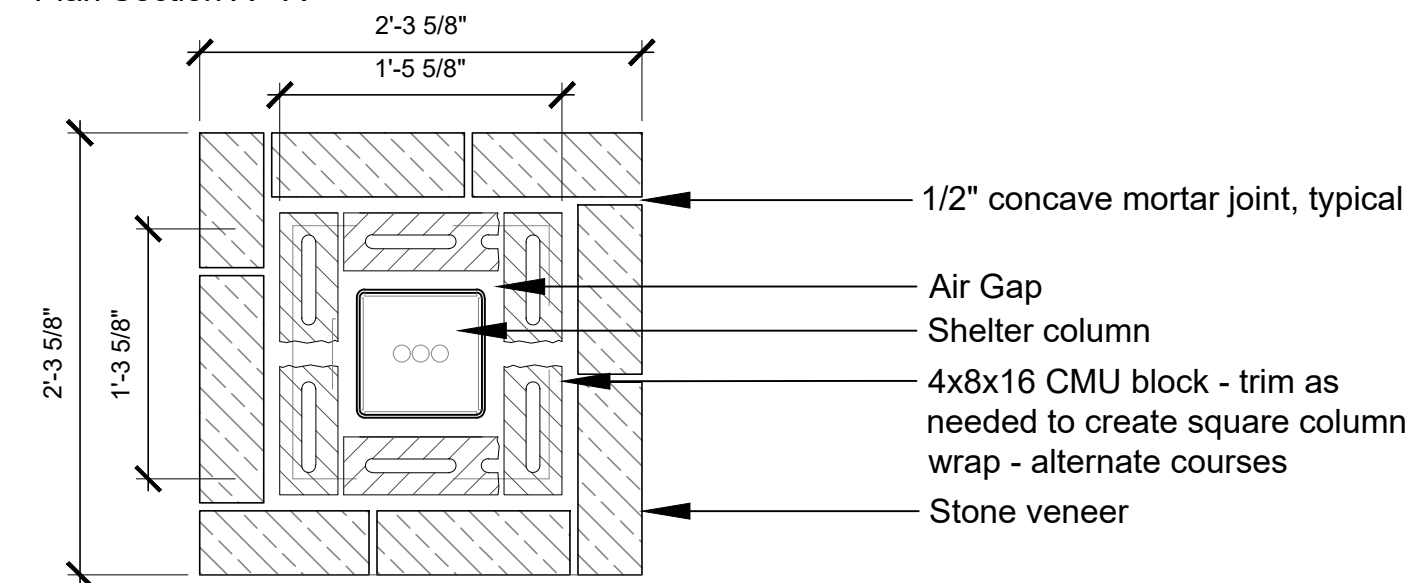
SHEET NUMBER

L5.2

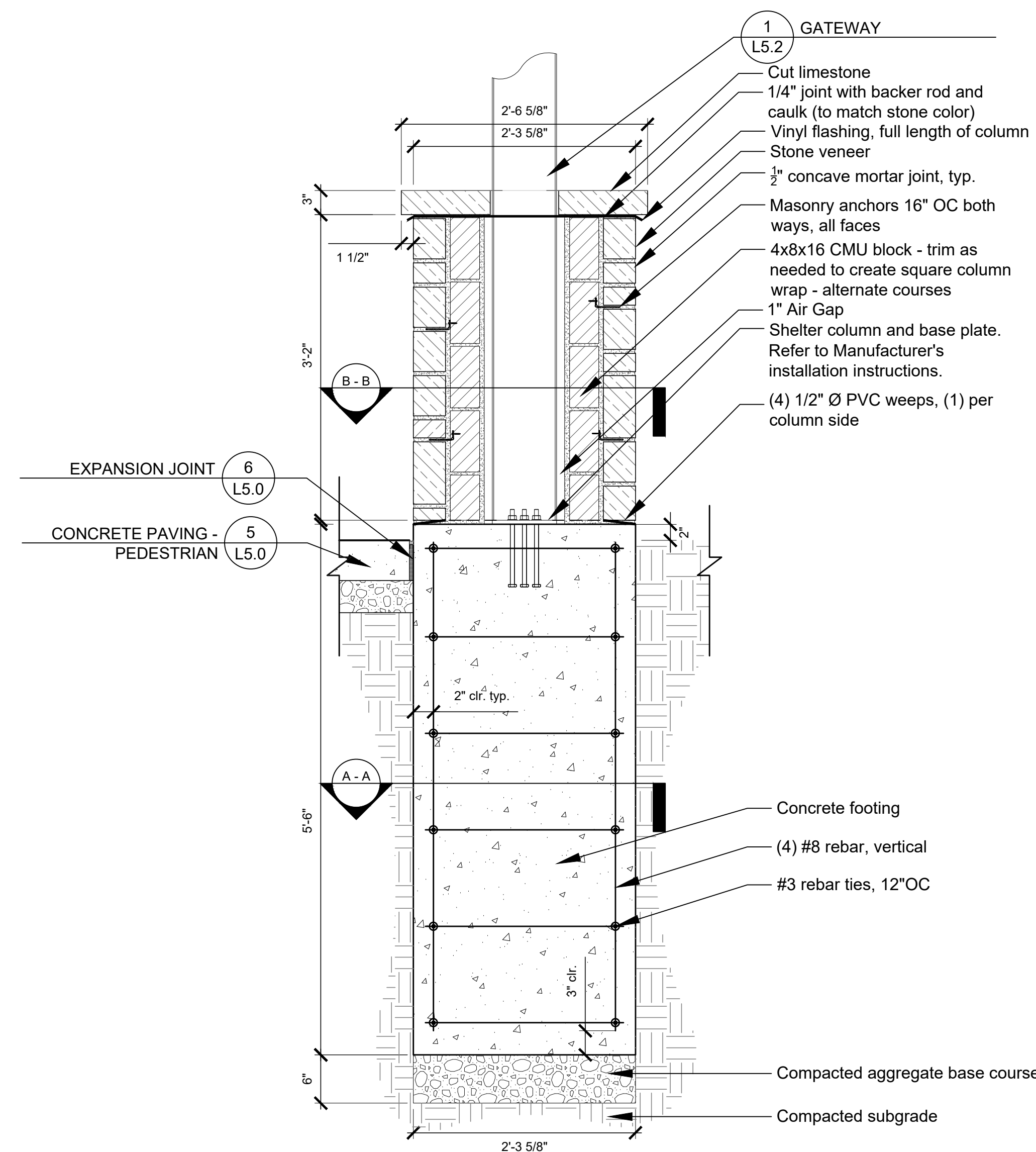
©2024 Hitchcock Design Group



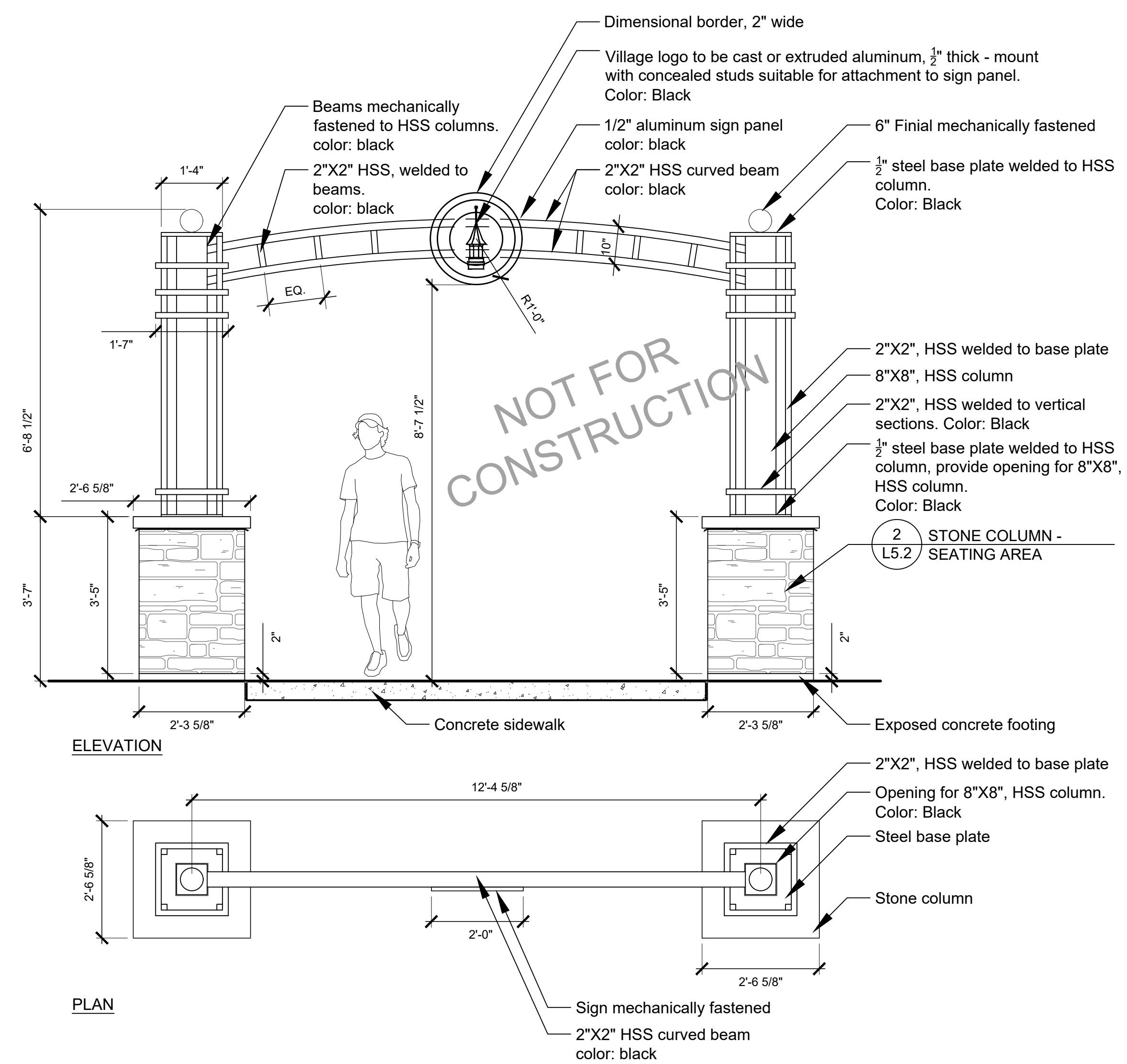
Plan Section A - A



B - B CMU Coursing Section




2 STONE COLUMN - SEATING AREA
1" = 1'-0"



1 GATEWAY
1/2" = 1'-0"

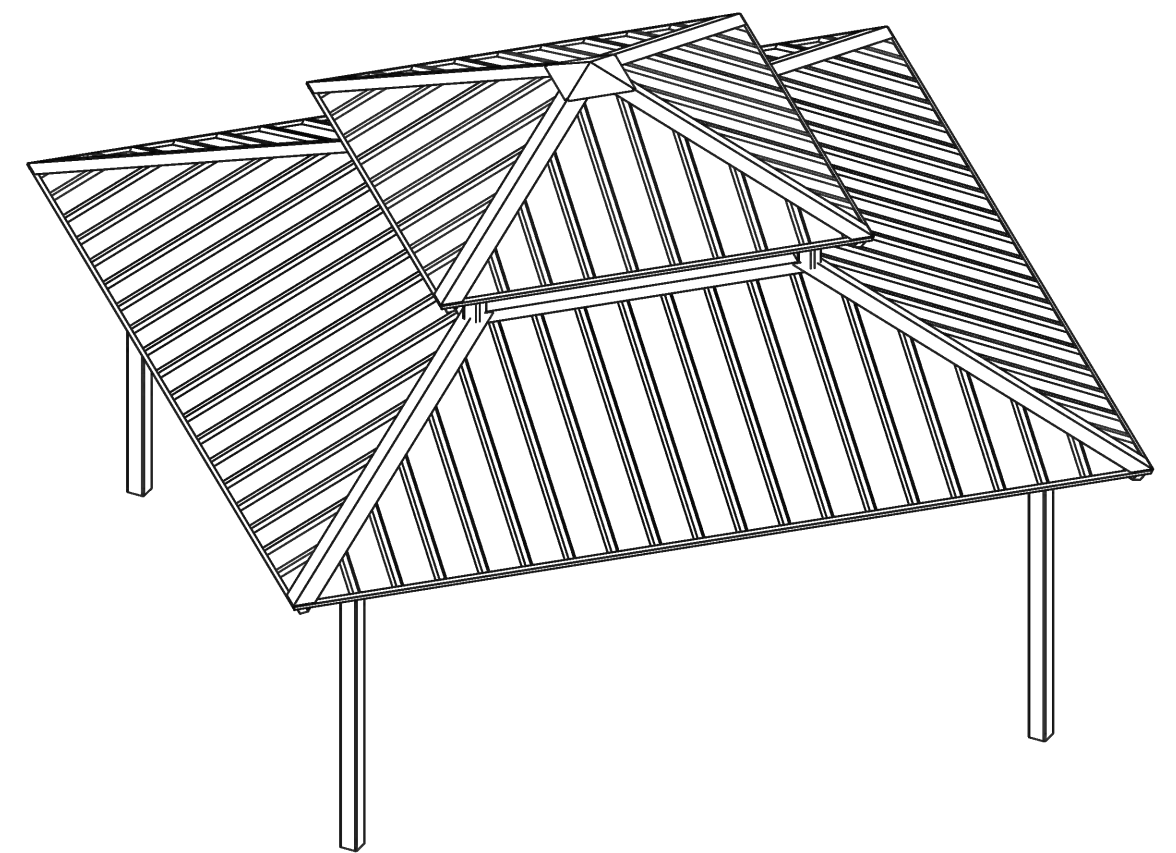
No	Date	Issue



PROJECT: _____
LOCATION: _____
BUILDING TYPE: CAR-20
ROOF TYPE: MULTI-RIB

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2	STRUCTURAL FRAMING PLAN
3	COLUMN LAYOUT



FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #F086
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #284
STATE OF UTAH APPROVED FABRICATOR #0006-14

CERTIFICATES:
MANUFACTURE COUNTY CERTIFICATE OF COMPETENCY NO. 16-0813.16
PCI (POWDER COATING INSTITUTE) #000 CERTIFIED

MATERIALS:

DESCRIPTION	ASTM DESIGNATION
TUBE STEEL	A500 (GRADE B)
SCHEDULE PIPE	A53 (GRADE B)
RMT PIPE	A519
LIGHT GAGE COLD FORMED	A1003 (GRADE 50)
STRUCTURAL STEEL PLATE	A36
ROOF PANELS (STEEL)	A653

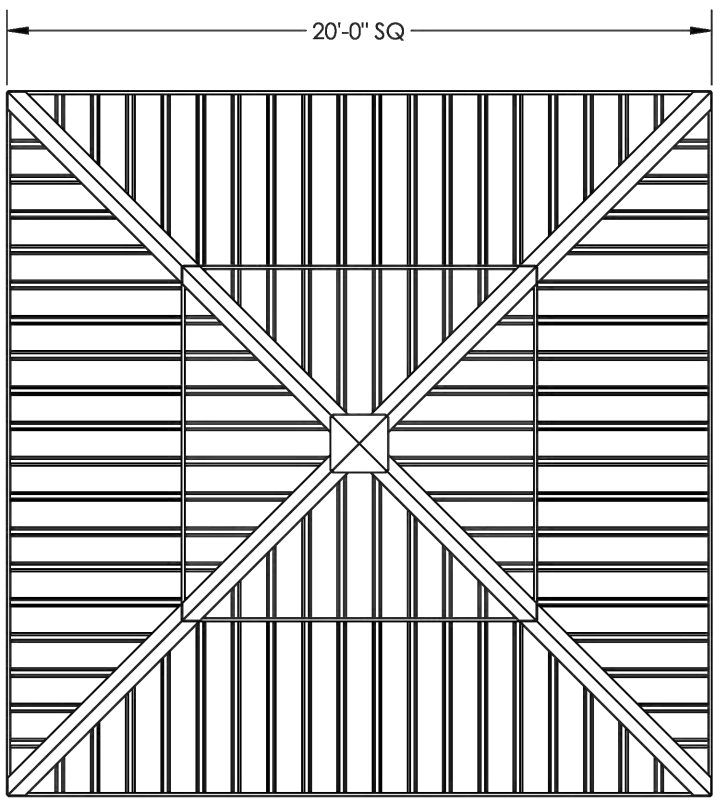
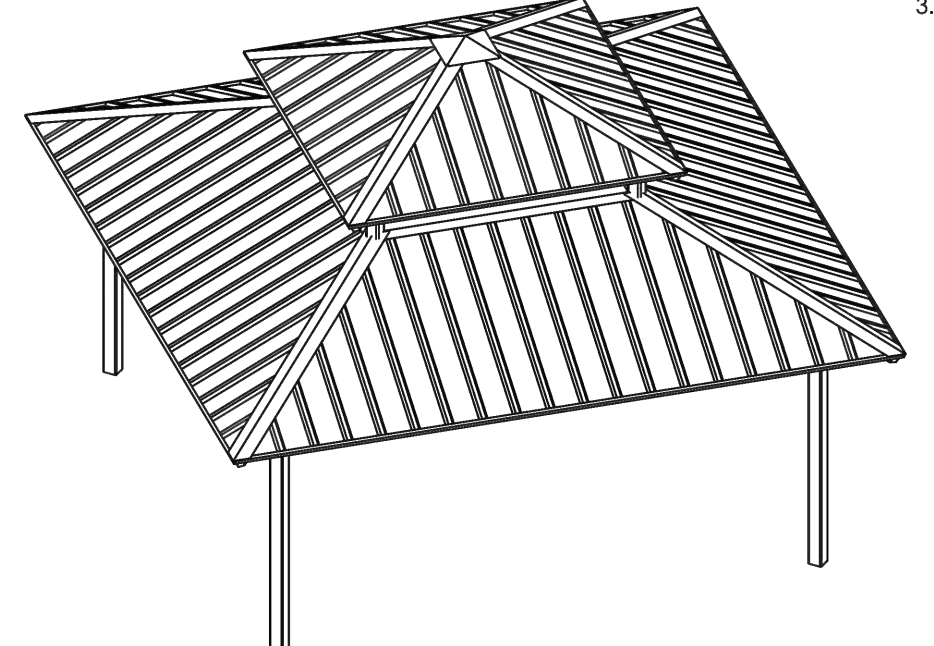
GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLYGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 2" SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLYGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.
STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

**STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY
PLANNING AND ESTIMATING
ONLY**

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.
PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFERS TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.
FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.
FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

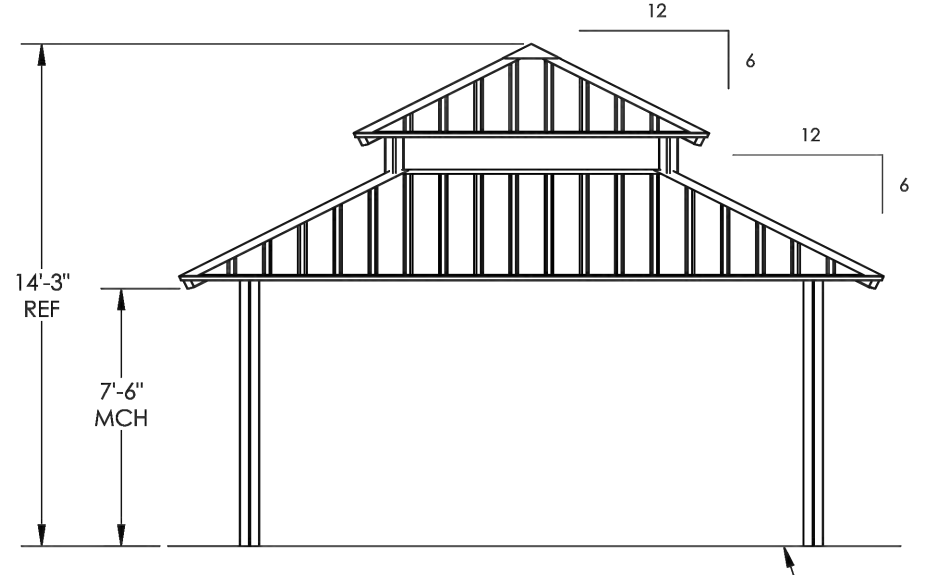
DRAWING: COVER SHEET
SCALE: 1:40
REV LEVEL: A
(616)399-1963
www.poligon.com
poligon by PORTERCORP
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FORNERS OF PARTS FRAMING
PORTERCORP 420 N. TOWN AVE HOLLAND, MI 48030

SHEET 1

GENERAL ROOF NOTES:

- METAL ROOFING:
 - 24 GAUGE
 - GALVALUME COATED
 - KYNAR 500 PAINTED
- TRIM COLOR MATCHES ROOF
- SEE POLYGON.COM FOR COLOR OPTIONS



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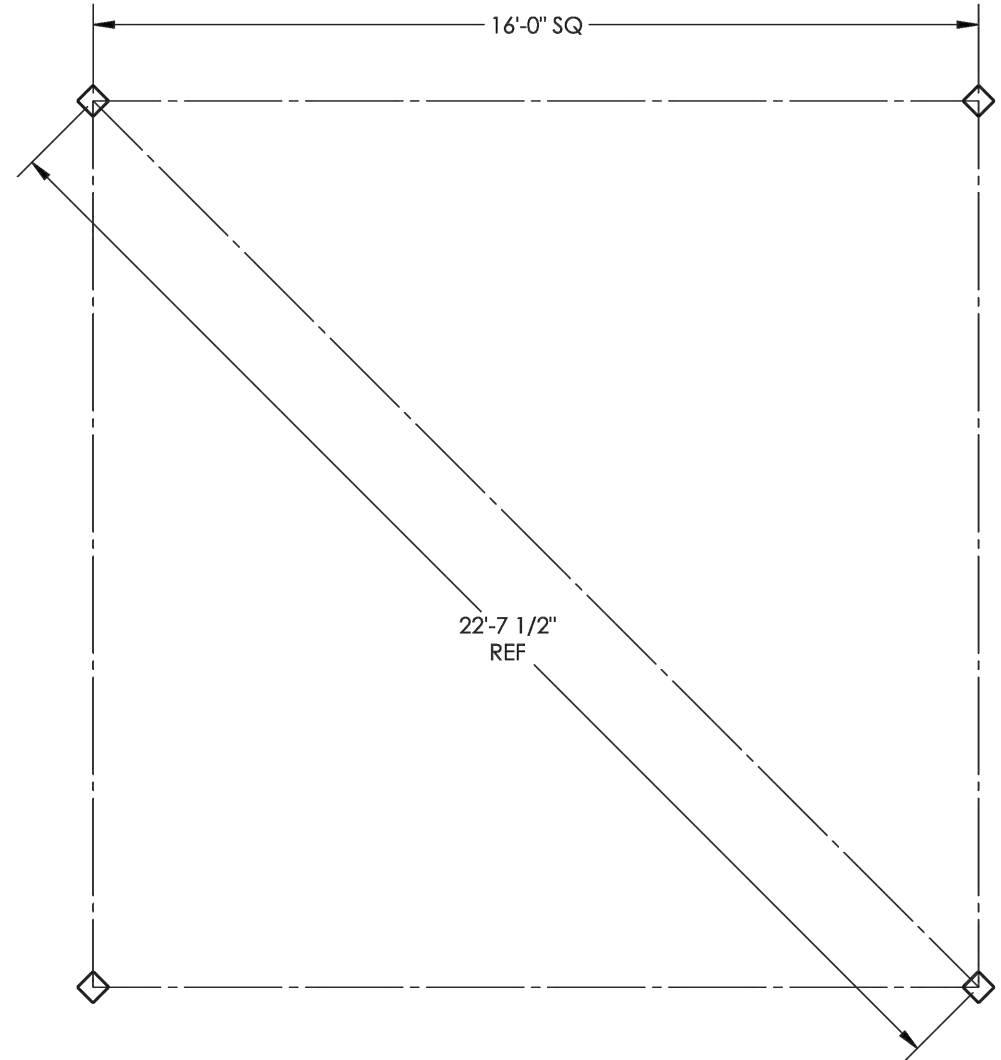
FINISH GRADE MOUNTING VARIES BASED ON ENGINEERING REQUIREMENTS.

DRAWING: ARCHITECTURAL ELEVATIONS
SCALE: 1:55
REV LEVEL: A
(616)399-1963
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SHEET 1

BASEPLATE NOTES:

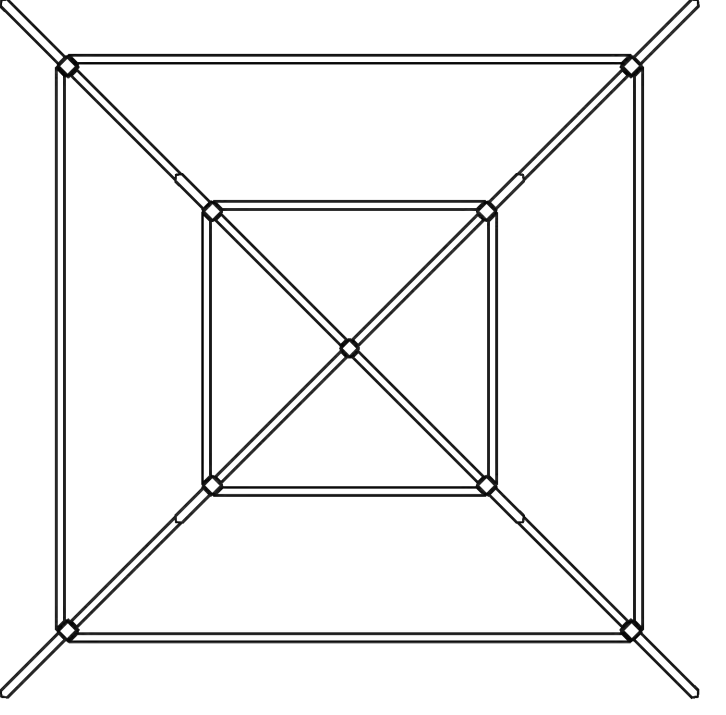
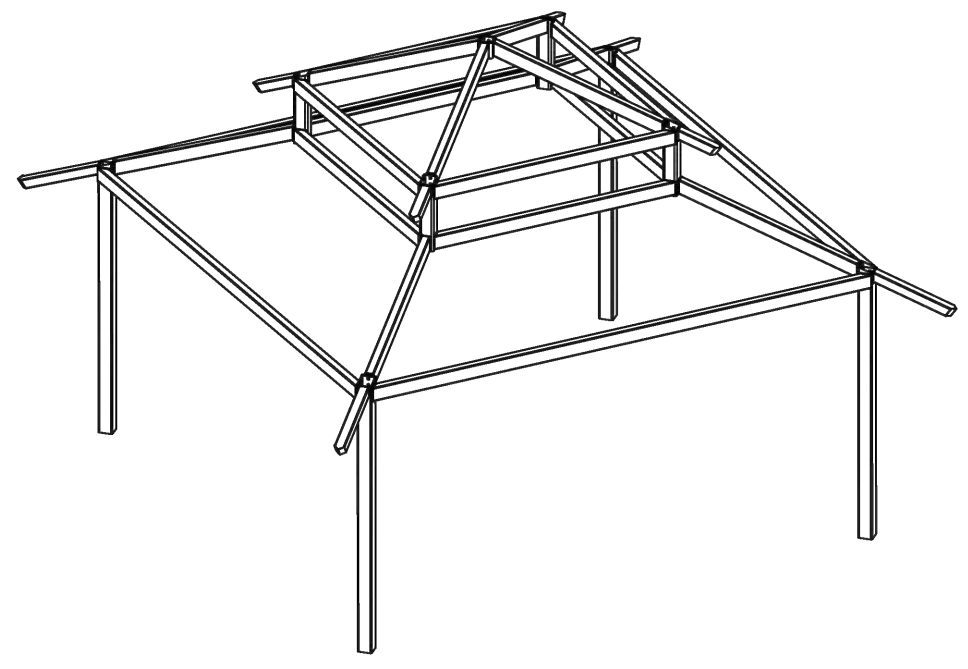
- POLYGON ENGINEERING WILL DETERMINE REQUIRED BASEPLATE DESIGN AFTER ENGINEERING PACKAGE IS ORDERED.
- CUSTOMER MAY SUGGEST PREFERRED BASEPLATE DESIGN.



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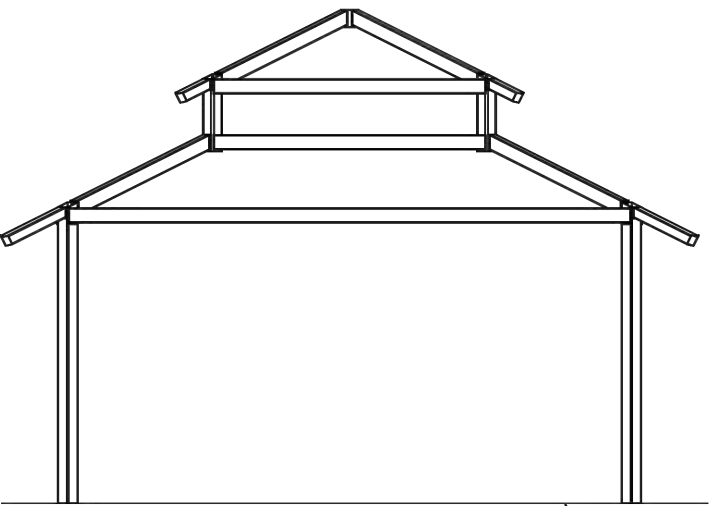
DRAWING: COLUMN LAYOUT
SCALE: 1:35
REV LEVEL: A
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SHEET 3

GENERAL ROOF NOTES:

- METAL ROOFING:
 - 24 GAUGE
 - GALVALUME COATED
 - KYNAR 500 PAINTED
- TRIM COLOR MATCHES ROOF
- SEE POLYGON.COM FOR COLOR OPTIONS



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FINISH GRADE MOUNTING VARIES BASED ON ENGINEERING REQUIREMENTS.

DRAWING: ARCHITECTURAL ELEVATIONS
SCALE: 1:55
REV LEVEL: A
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SHEET 2

NOT FOR
CONSTRUCTION

PREPARED FOR

**Village of
Algonquin**

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

CONSULTANTS

Civil Engineer

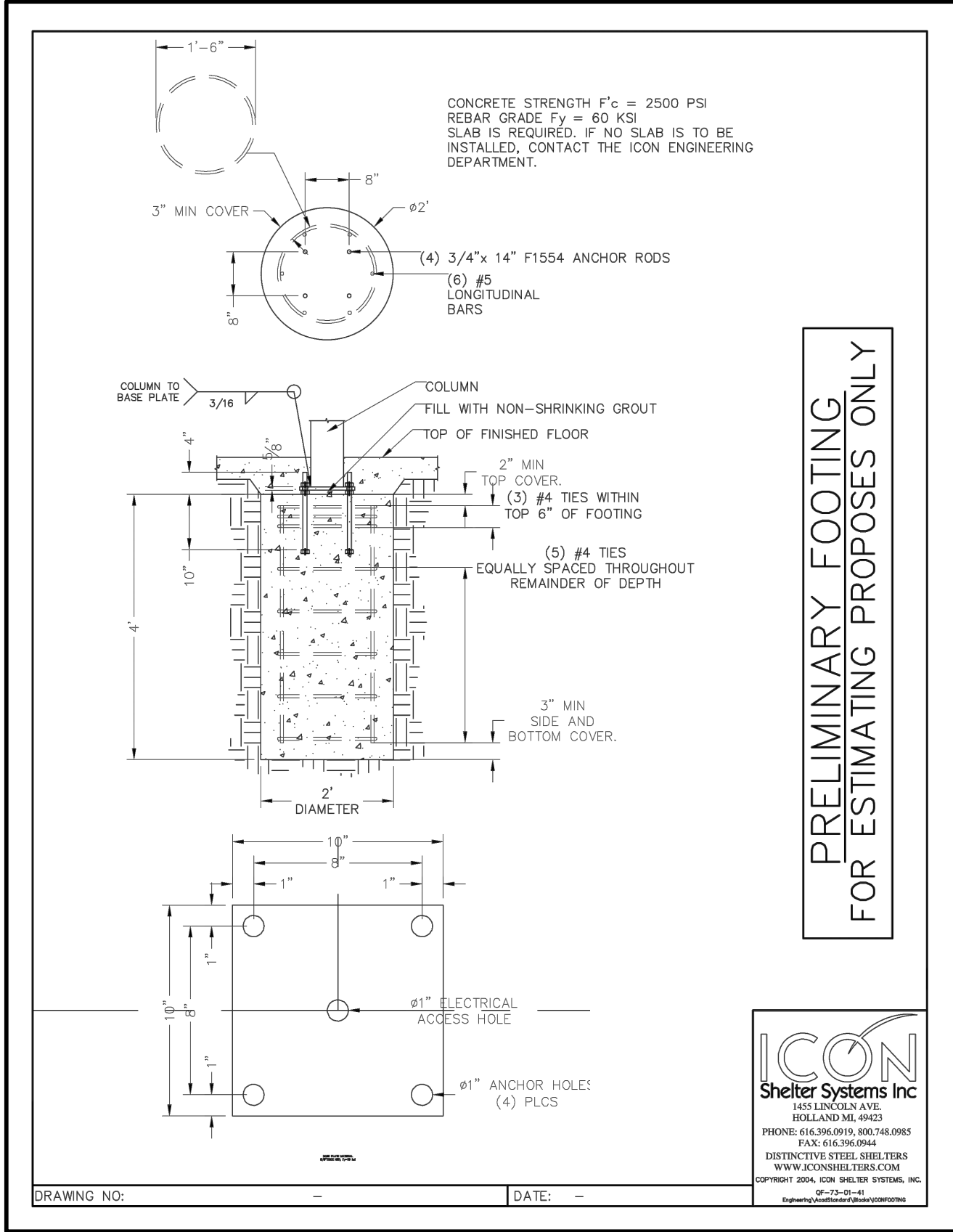
Christopher B. Burke Engineering, Ltd.
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Electrical Engineer

Nova Engineering
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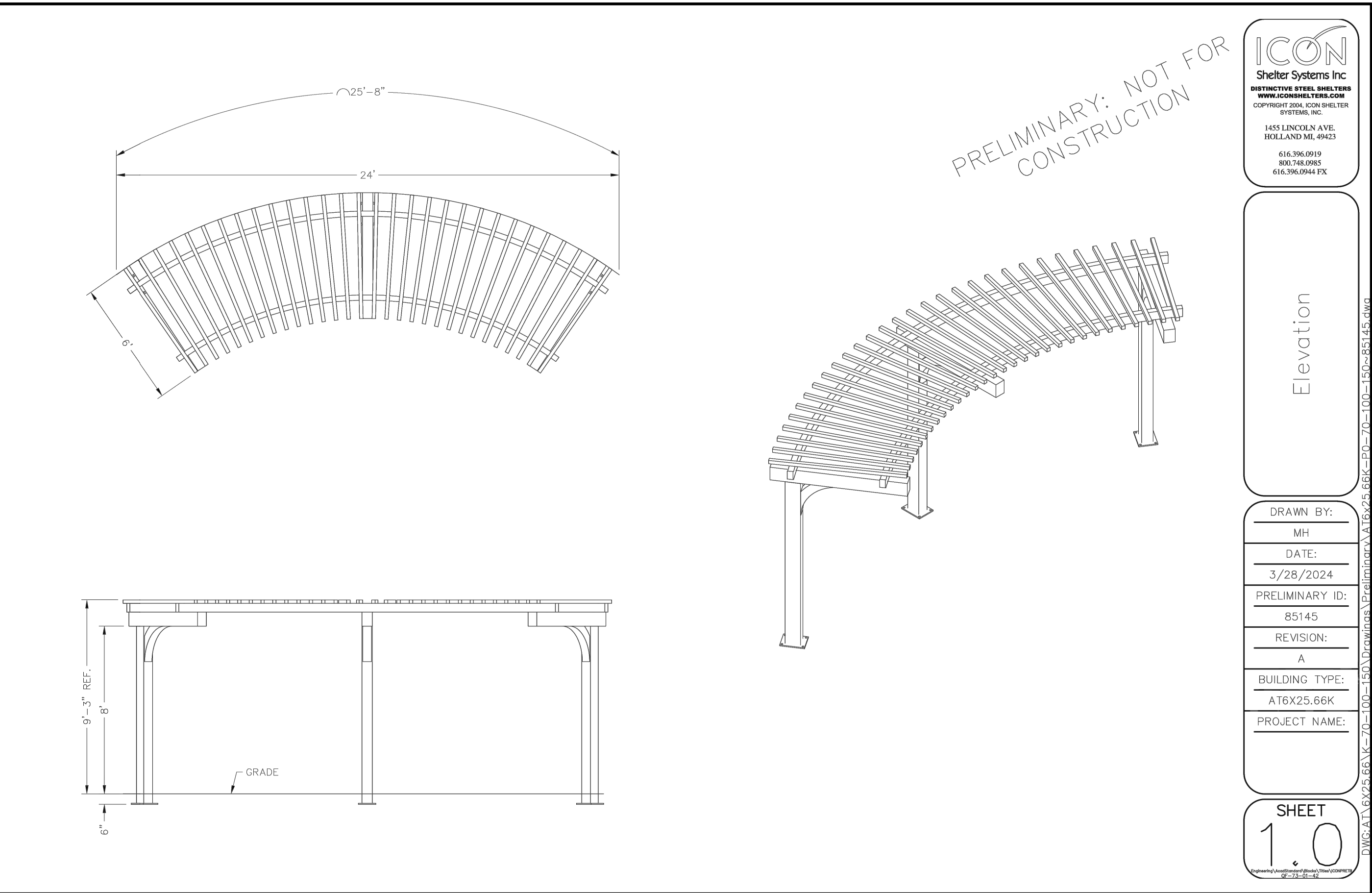
Architect

Dewberry Architects Inc.
132 North York Street, Suite 2C
Elmhurst, IL 60126
T 847.841.0571



PRELIMINARY FOOTING
FOR ESTIMATING PROPOSES ONLY

ICON
Shelter Systems Inc
1455 LINCOLN AVE.
HOLLAND, IL 60142
616.396.0919
616.396.0983
616.396.0944 FX



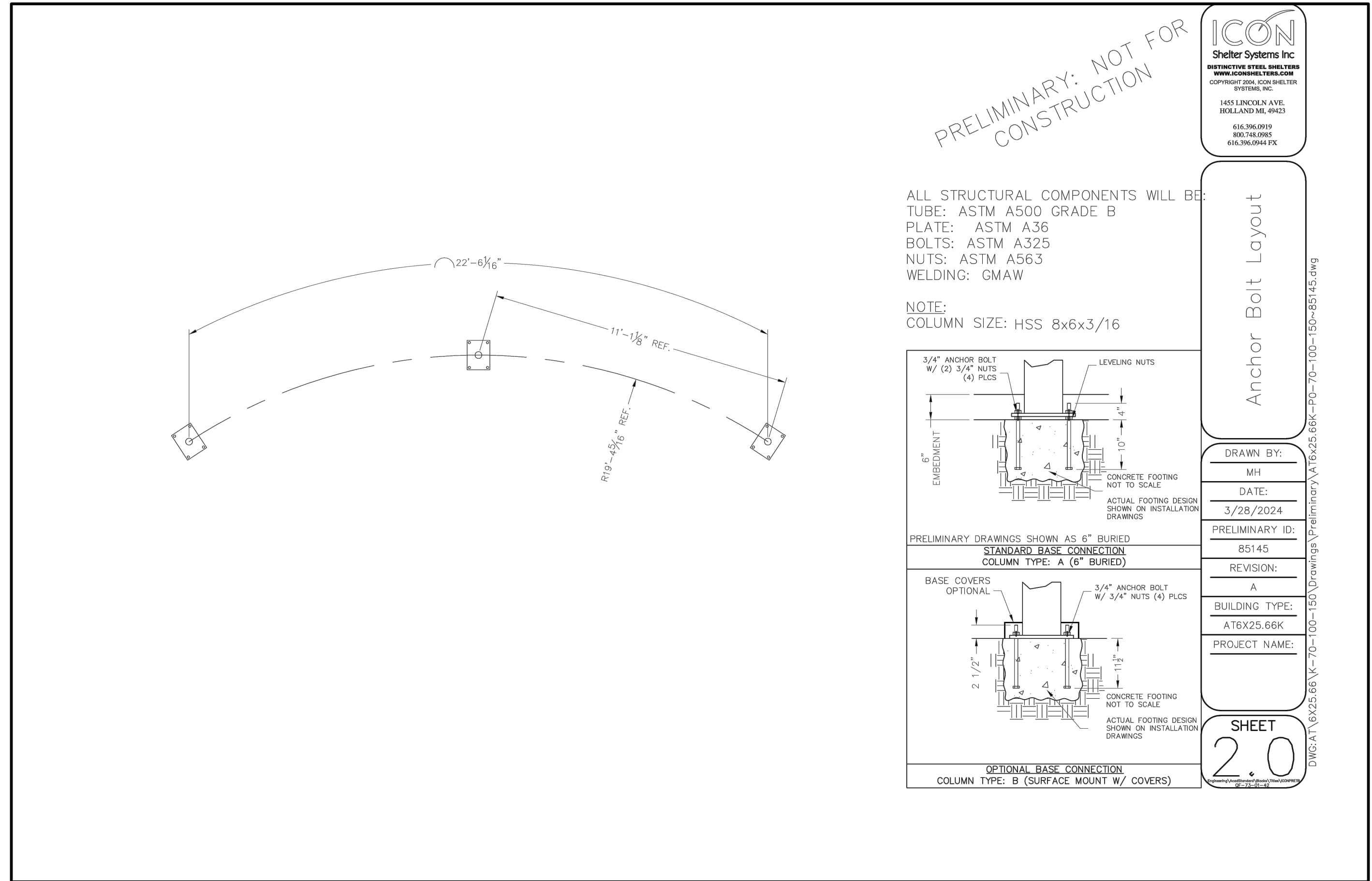
PRELIMINARY: NOT FOR
CONSTRUCTION

ICON
Shelter Systems Inc
1455 LINCOLN AVE.
HOLLAND, IL 60142
616.396.0919
616.396.0983
616.396.0944 FX

Elevation

DRAWN BY:	MH
DATE:	3/28/2024
PRELIMINARY ID:	B5145
REVISION:	A
BUILDING TYPE:	AT&T25.6BK
PROJECT NAME:	

SHEET
1.0



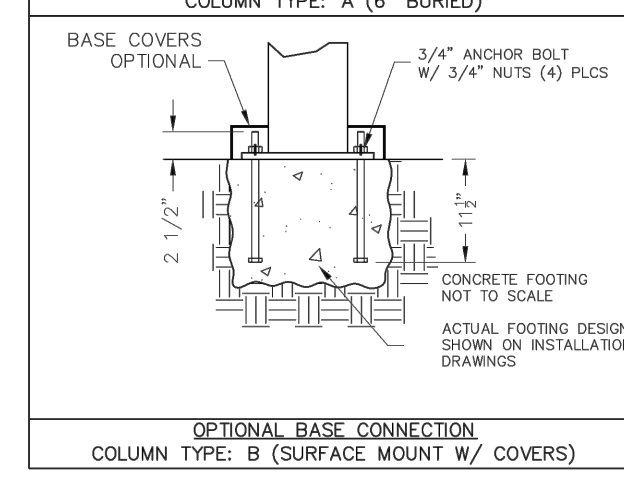
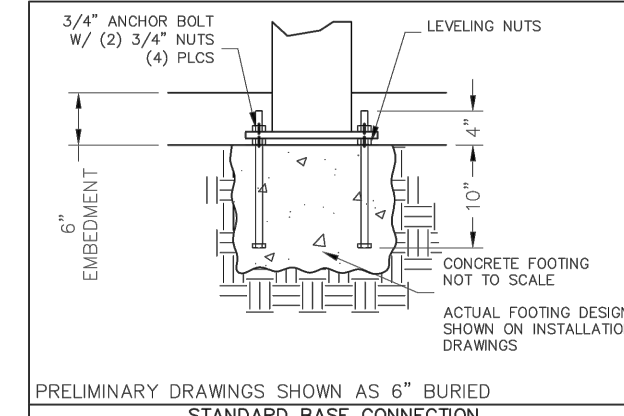
PRELIMINARY: NOT FOR
CONSTRUCTION

ICON
Shelter Systems Inc
1455 LINCOLN AVE.
HOLLAND, IL 60142
616.396.0919
616.396.0983
616.396.0944 FX

Anchor Bolt Layout

ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS 8x6x3/16



DRAWN BY:	MH
DATE:	3/28/2024
PRELIMINARY ID:	B5145
REVISION:	A
BUILDING TYPE:	AT&T25.6BK
PROJECT NAME:	

SHEET
2.0

Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

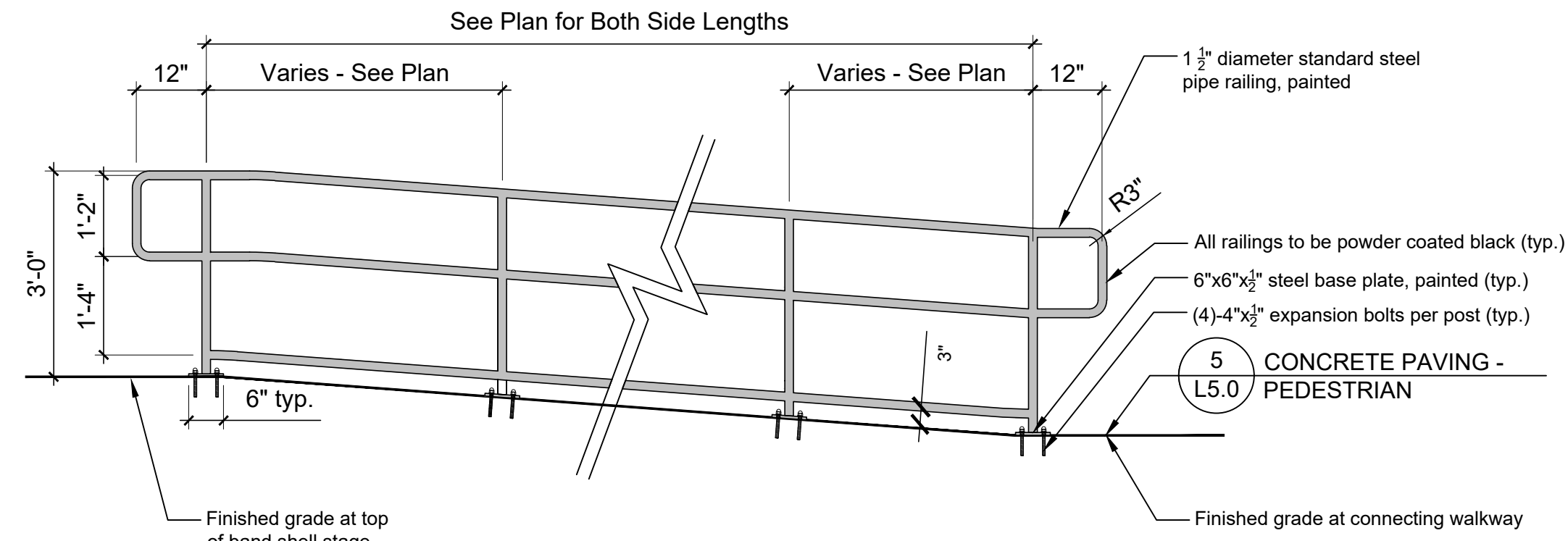
CHECKED BY: SMK / DNF DRAWN BY: BND / CNO

SHEET TITLE
Details

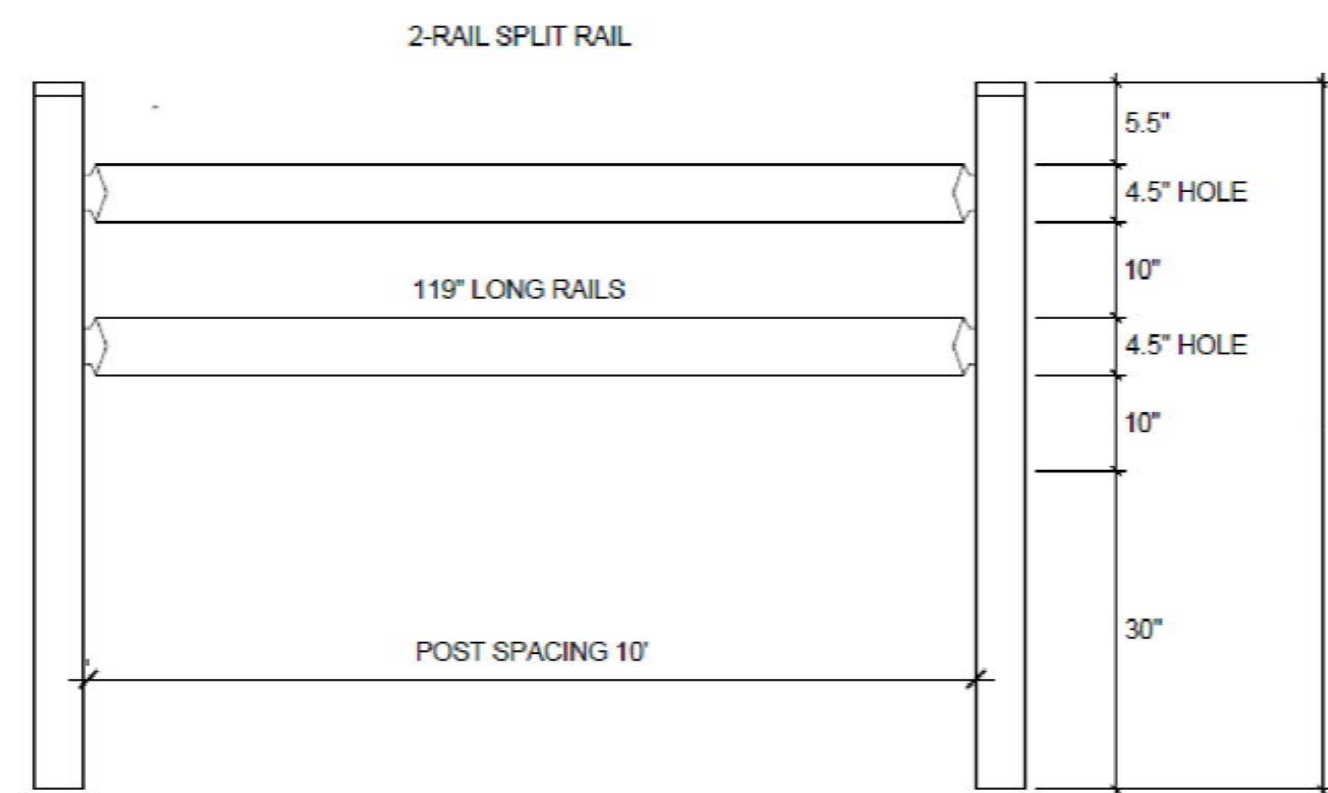
SCALE IN FEET
as noted

SHEET NUMBER

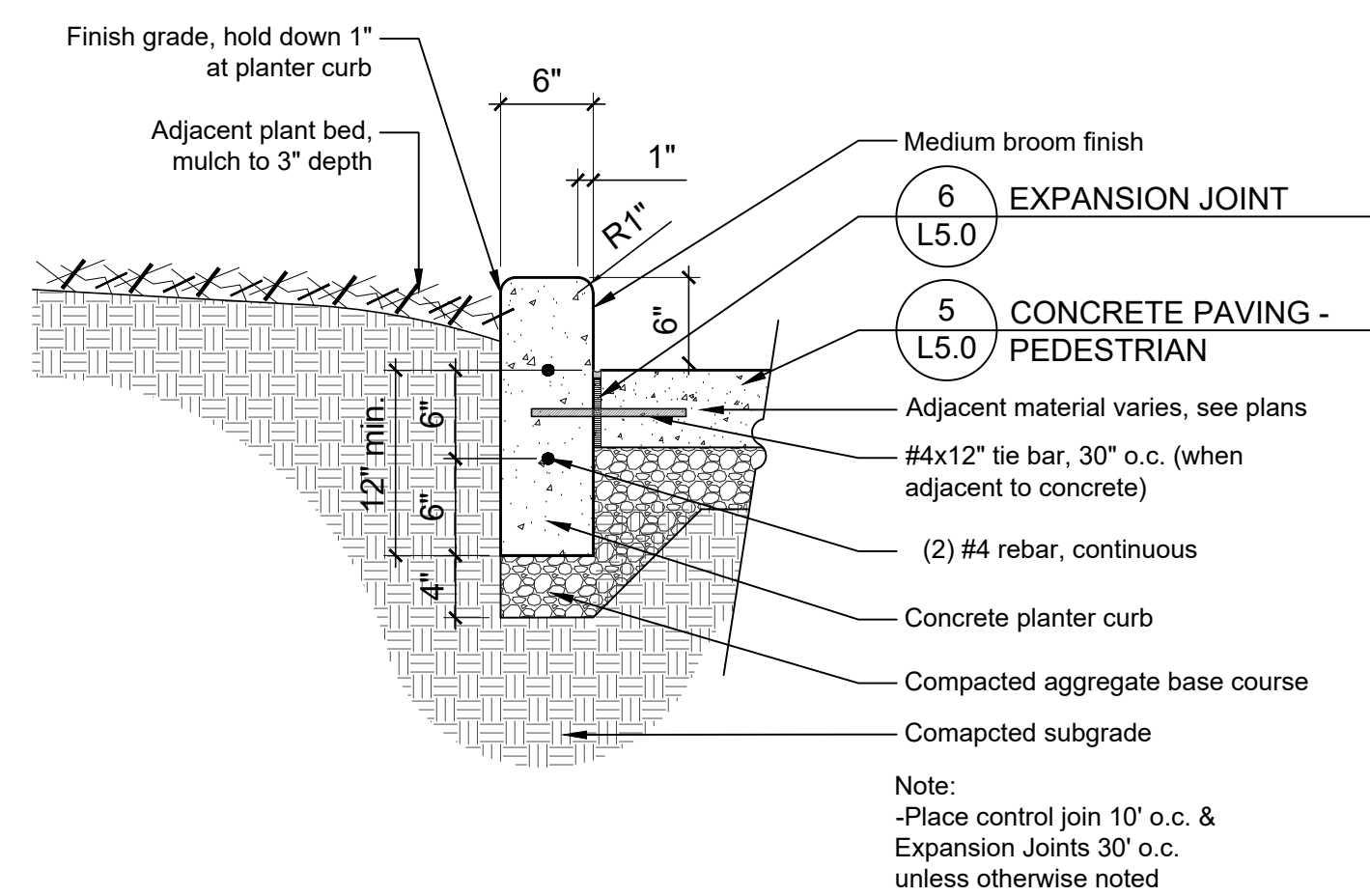
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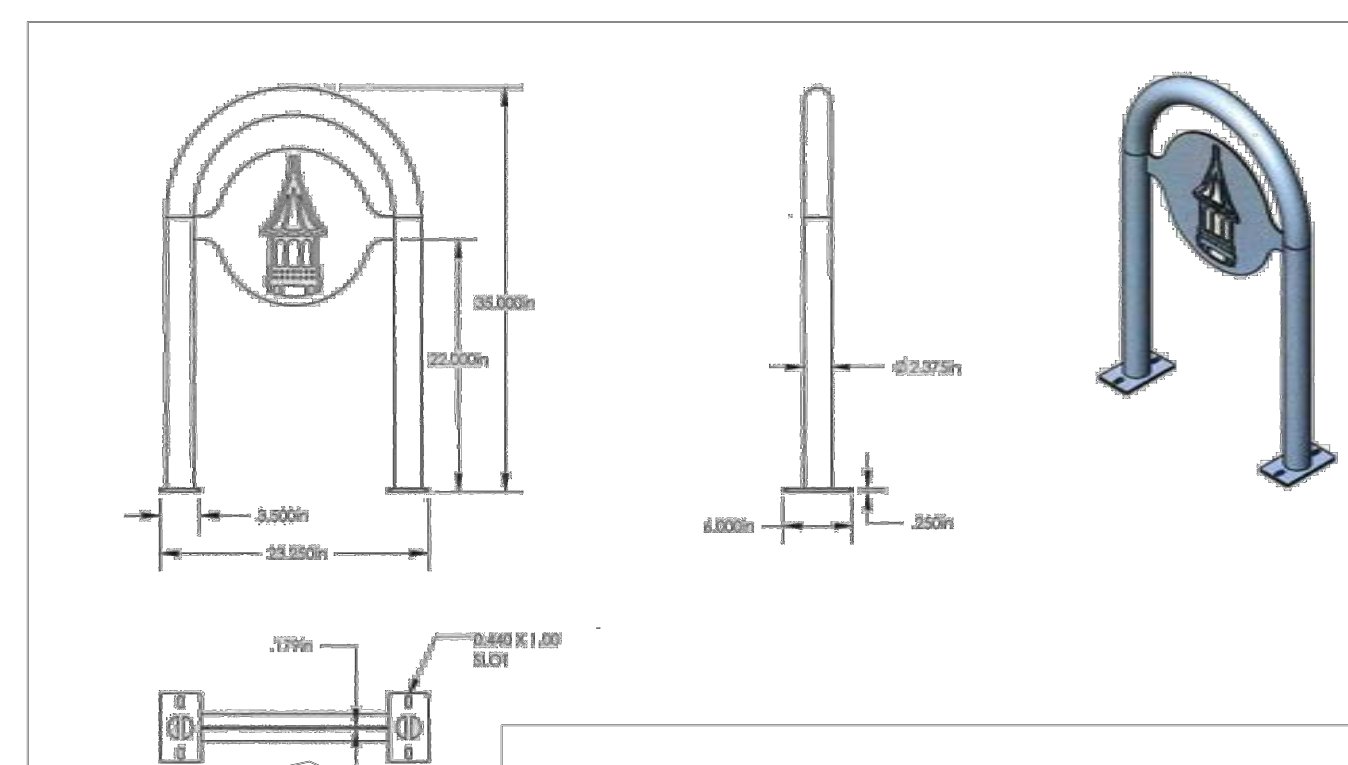
3 GUARDRAIL
1/2" = 1'-0"



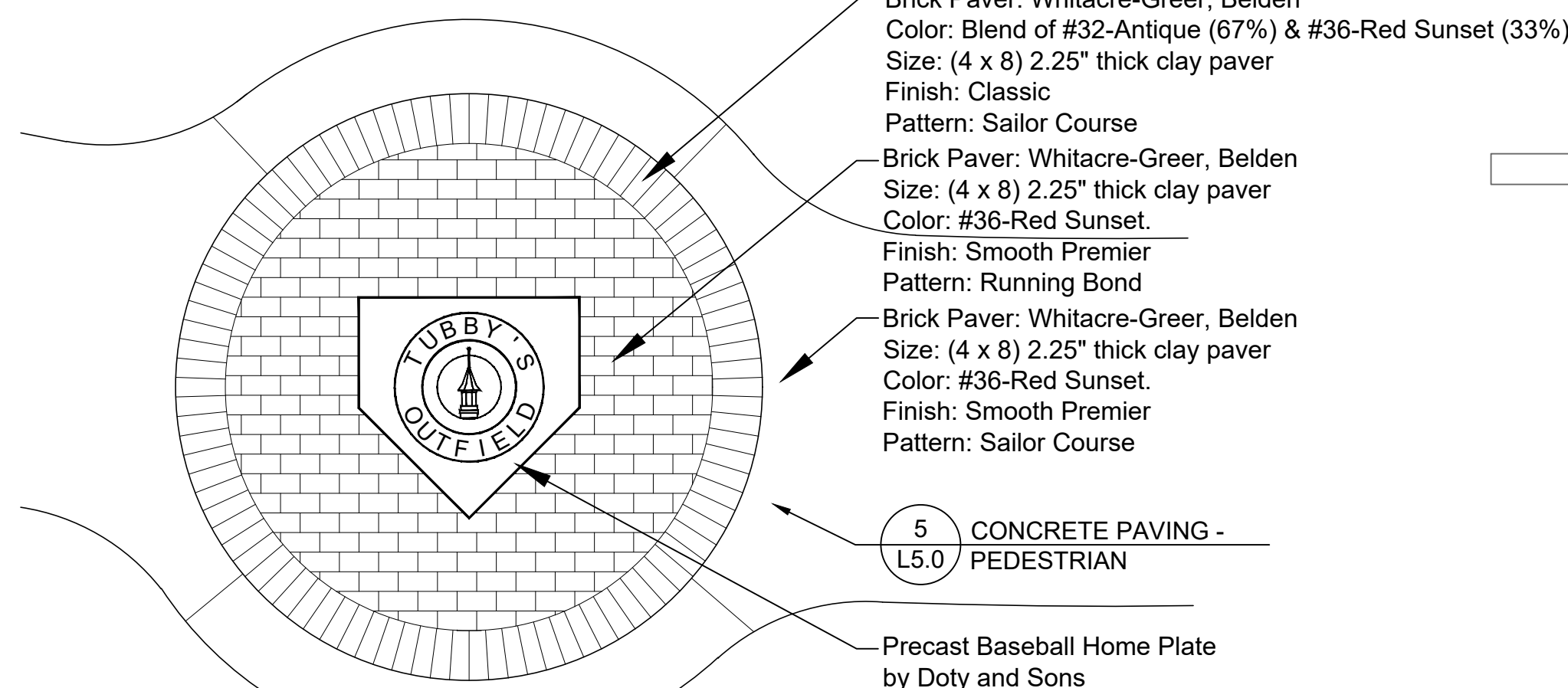
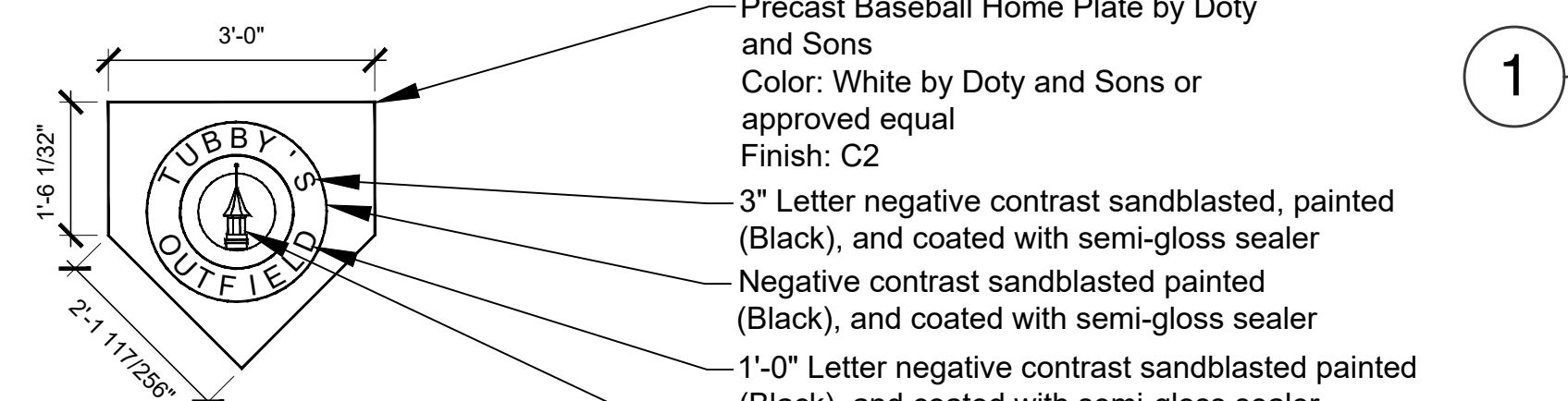
6 SPLIT RAIL FENCE
N.T.S



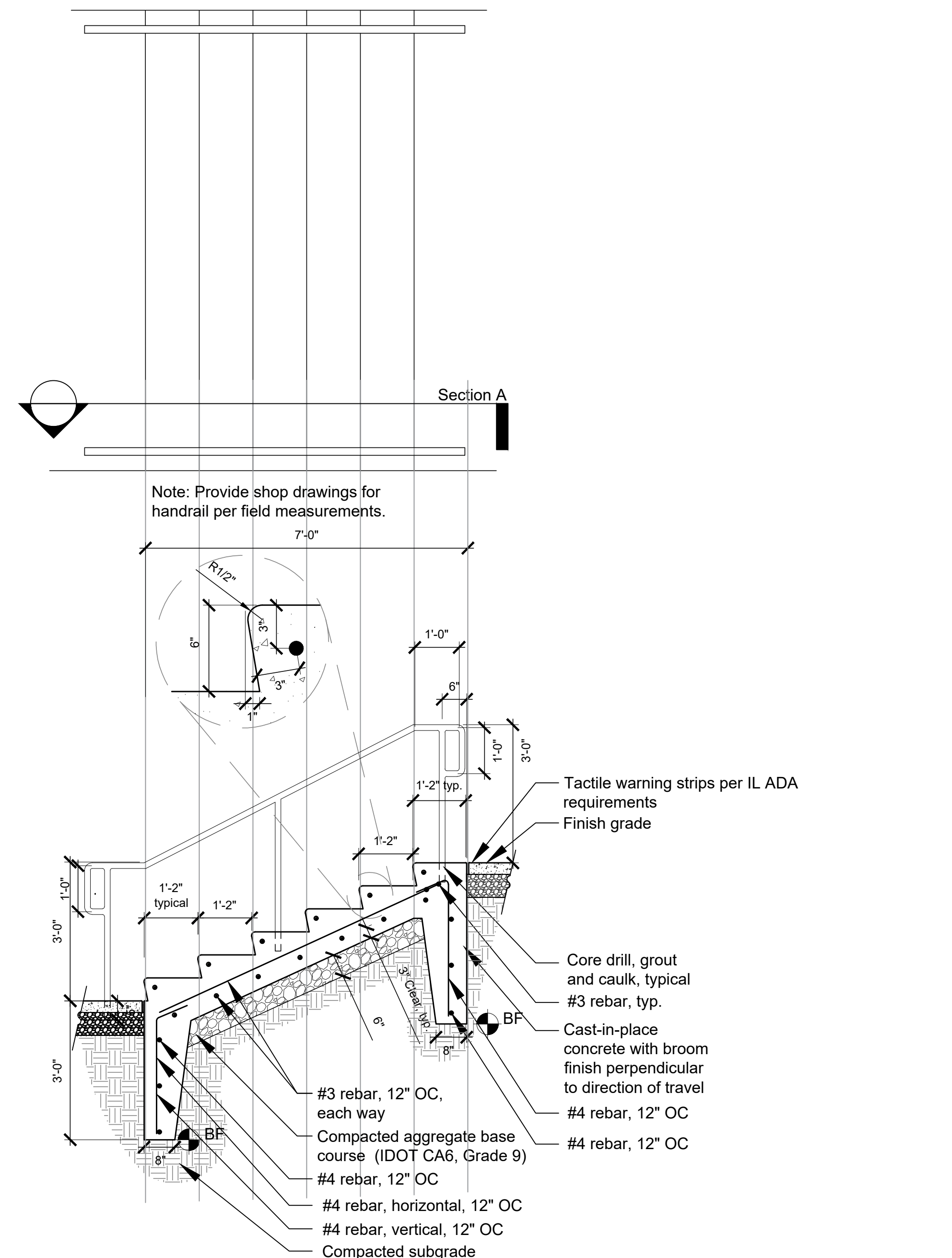
4 PLANTER CURB
1" = 1'-0"



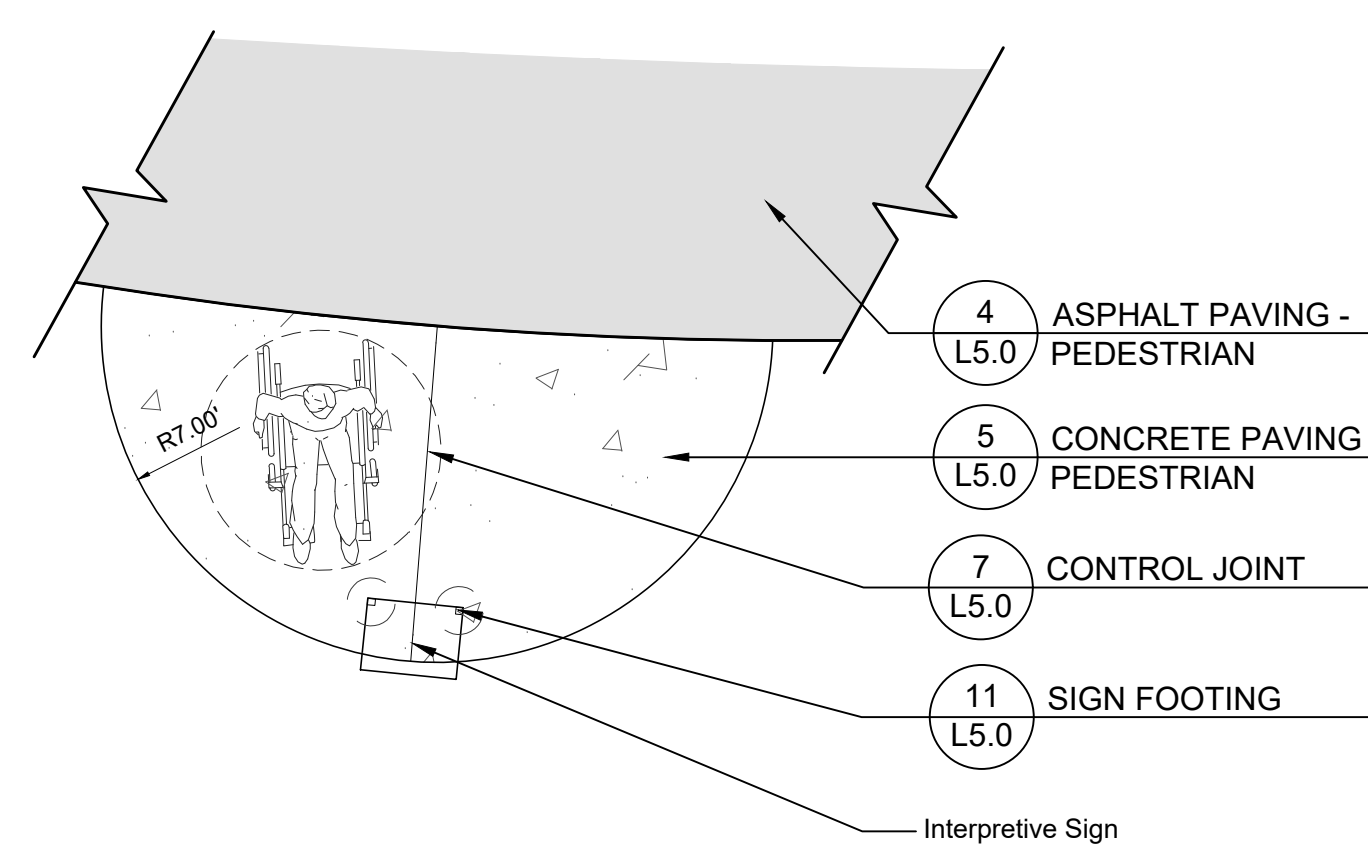
7 BIKE RACK
N.T.S



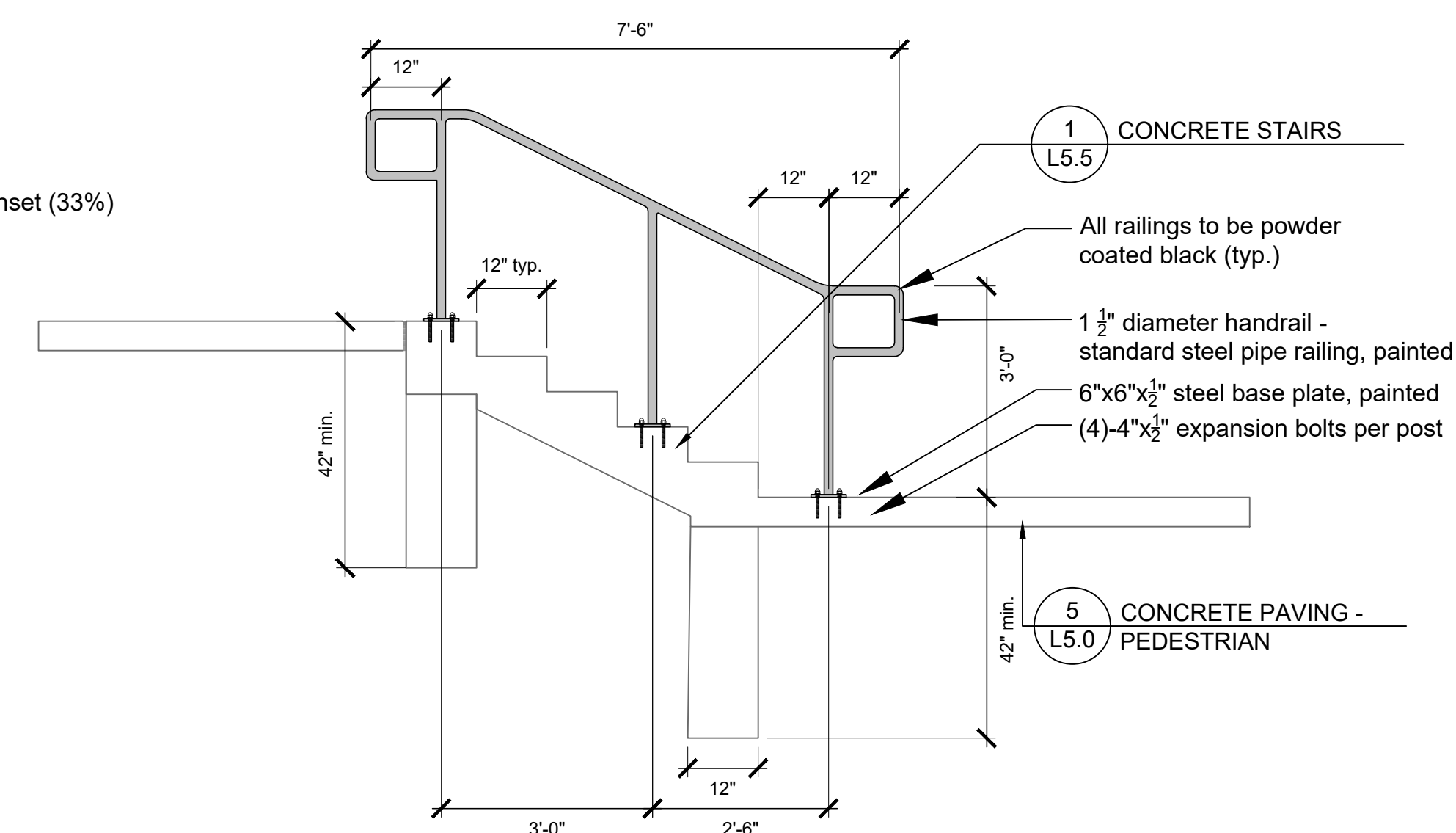
5 PRECAST HOME PLATE MEDALLION WITH PAVERS
1/2" = 1'-0"



1 CONCRETE STAIRS
1/2" = 1'-0"



8 INTERPRETIVE SIGN - PLAN VIEW
1/4" = 1'-0"



2 BANDSHELL HANDRAIL
1/2" = 1'-0"

Issue for Construction
May 7, 2024

REVISIONS		
No	Date	Issue

CHECKED BY
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SHEET TITLE
Details

SCALE IN FEET
as noted

SHEET NUMBER

L5.5

PREPARED FOR

**Village of
Algonquin**

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

CONSULTANTS

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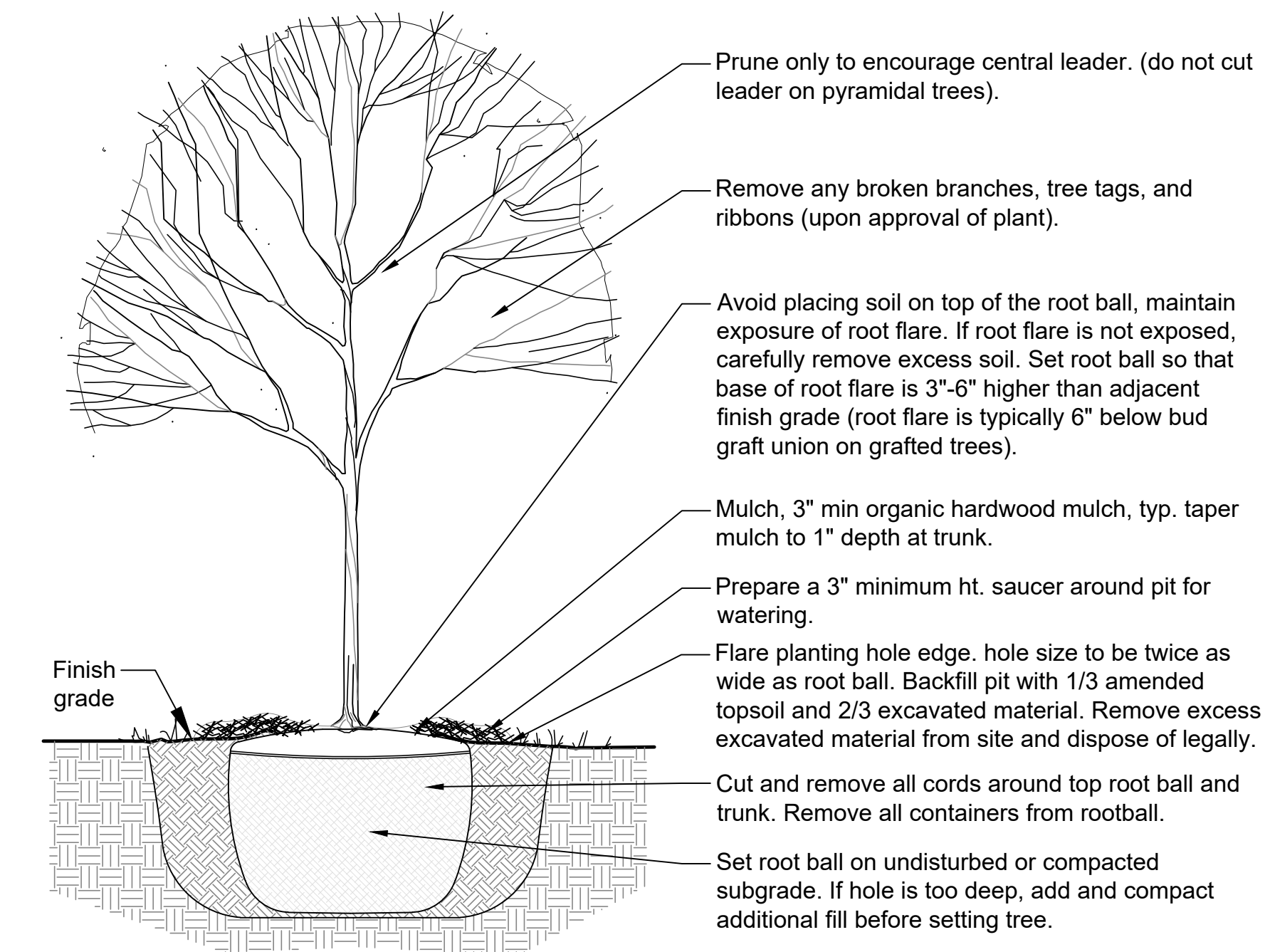
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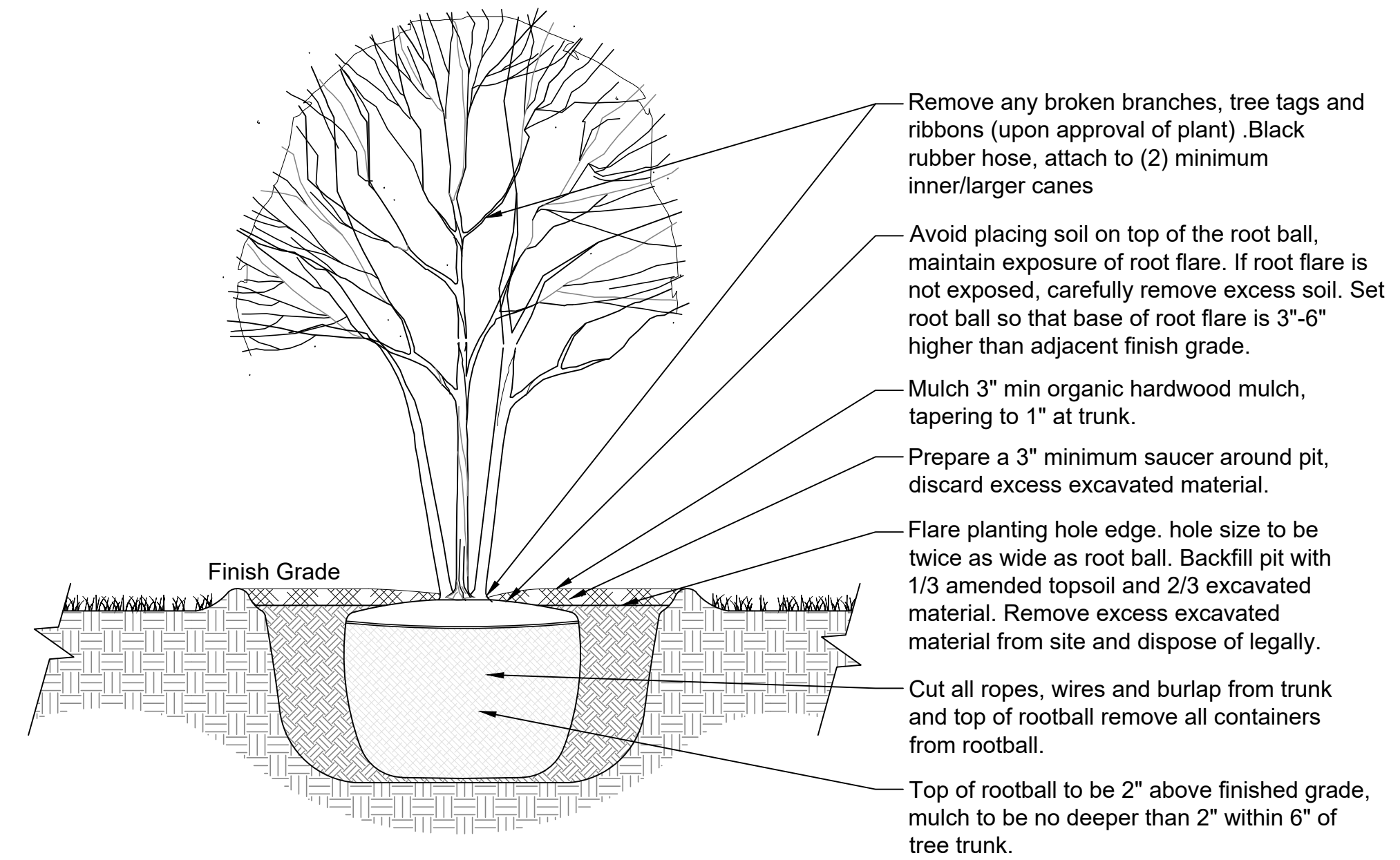
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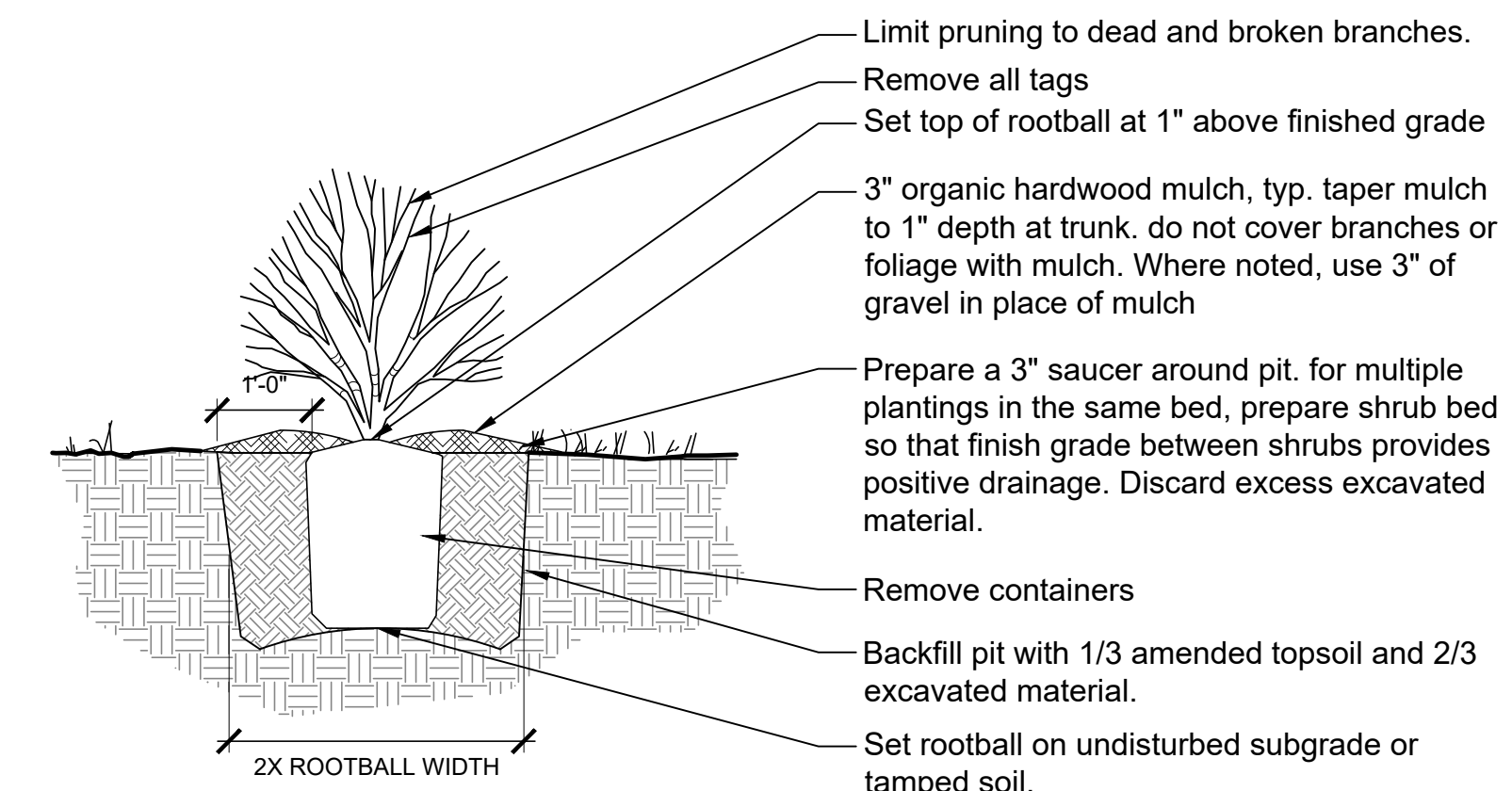
L5.6



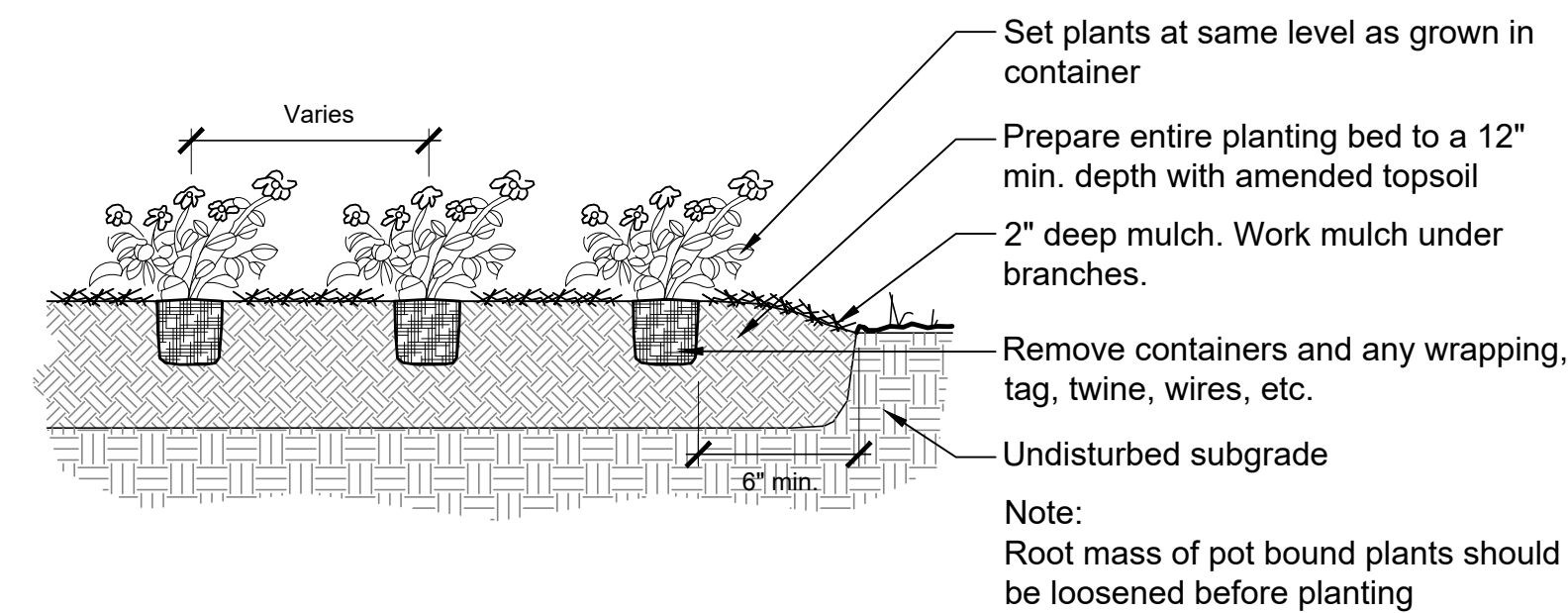
1 SHADE TREE - NO TP
1/2" = 1'-0"



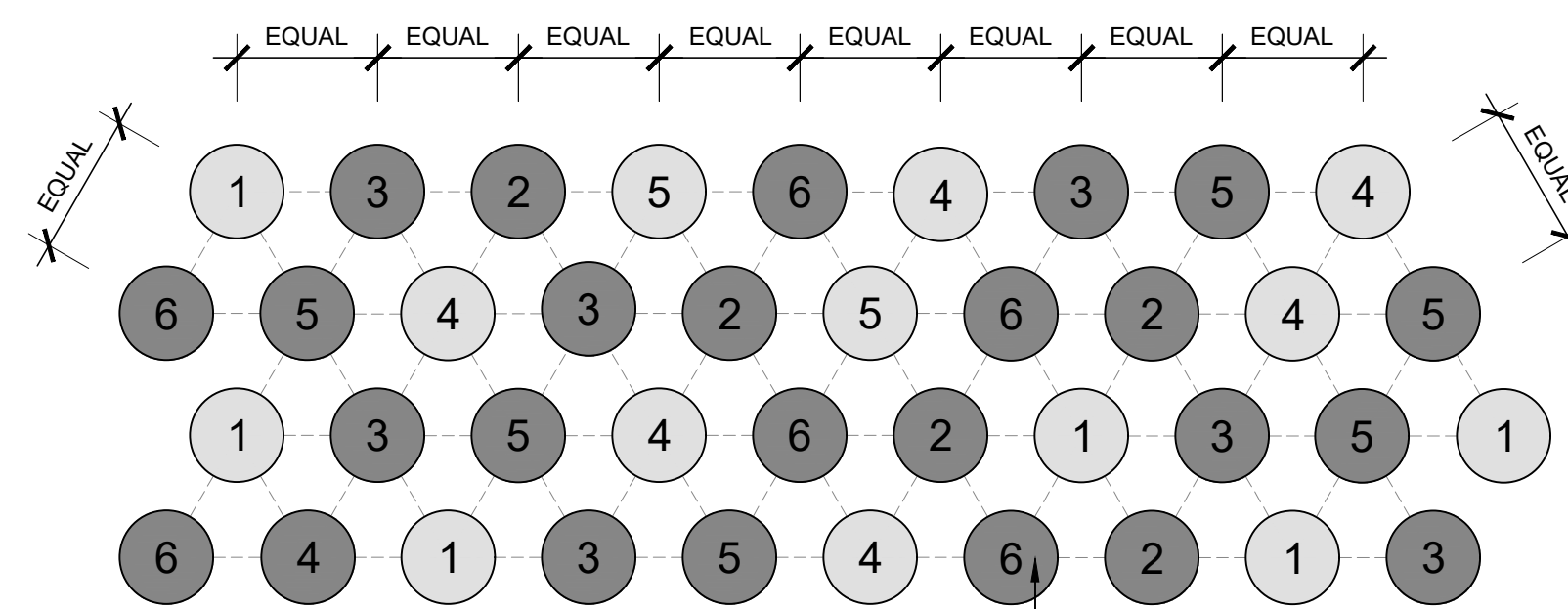
2 ORNAMENTAL TREE PLANTING
1/2" = 1'-0"



3 SHRUB PLANTING
1/2" = 1'-0"



4 PERENNIAL PLANTING
1/2" = 1'-0"



5 PLANT SPACING
1/2" = 1'-0"



N:\Algonquin\220864\CH\G1.0_220864_G1.0_G1.0_DWG.dgn



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Naperville, IL 60540
T 630.961.1787
hitchcockdesigngroup.com

PREPARED FOR
Village of Algonquin
2200 Harnish Drive
Algonquin, Illinois 60102

PROJECT
Towne Park

700 Highland Avenue
Algonquin, Illinois 60102

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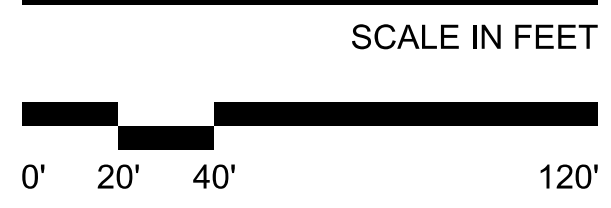
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Evanston, IL 60126
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Issue for Construction
May 7, 2024

REVISIONS		
No	Date	Issue

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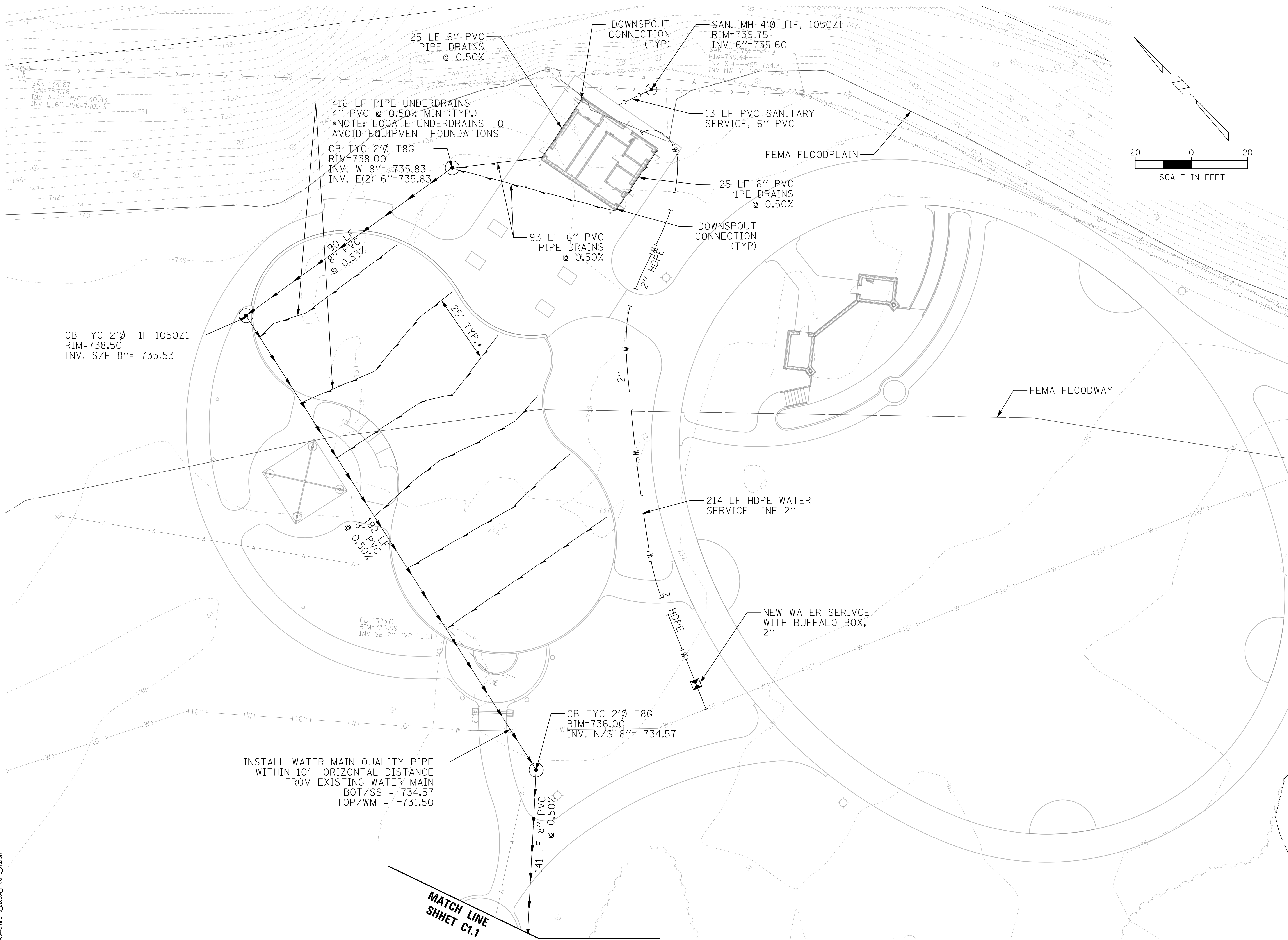
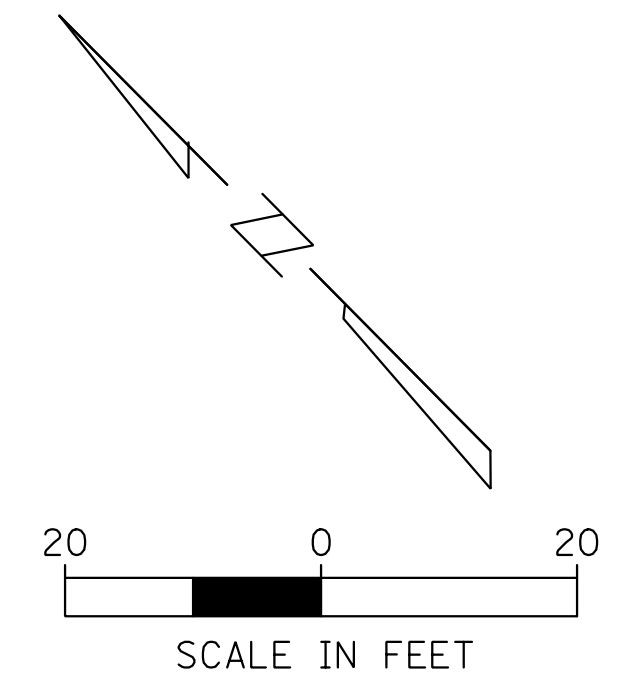
SHEET TITLE
Grading Plan



NORTH SHEET NUMBER



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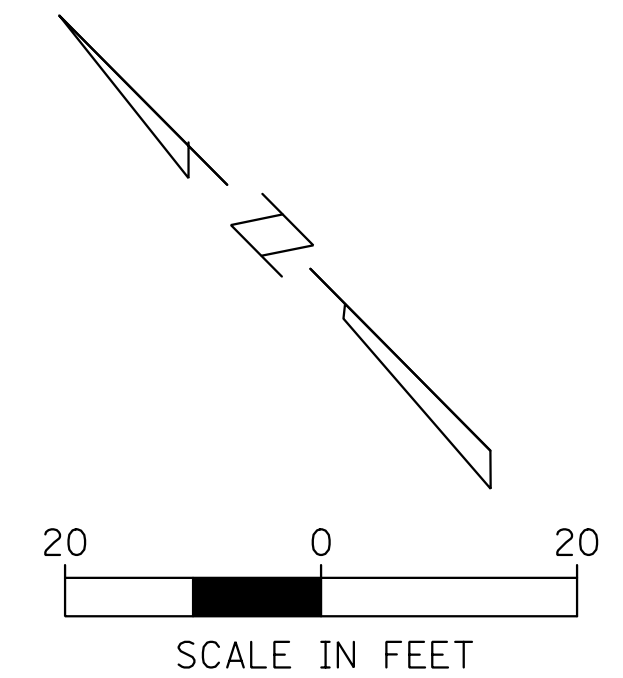
Issue for Construction
May 7, 2024

REVISIONS		
No	Date	Issue

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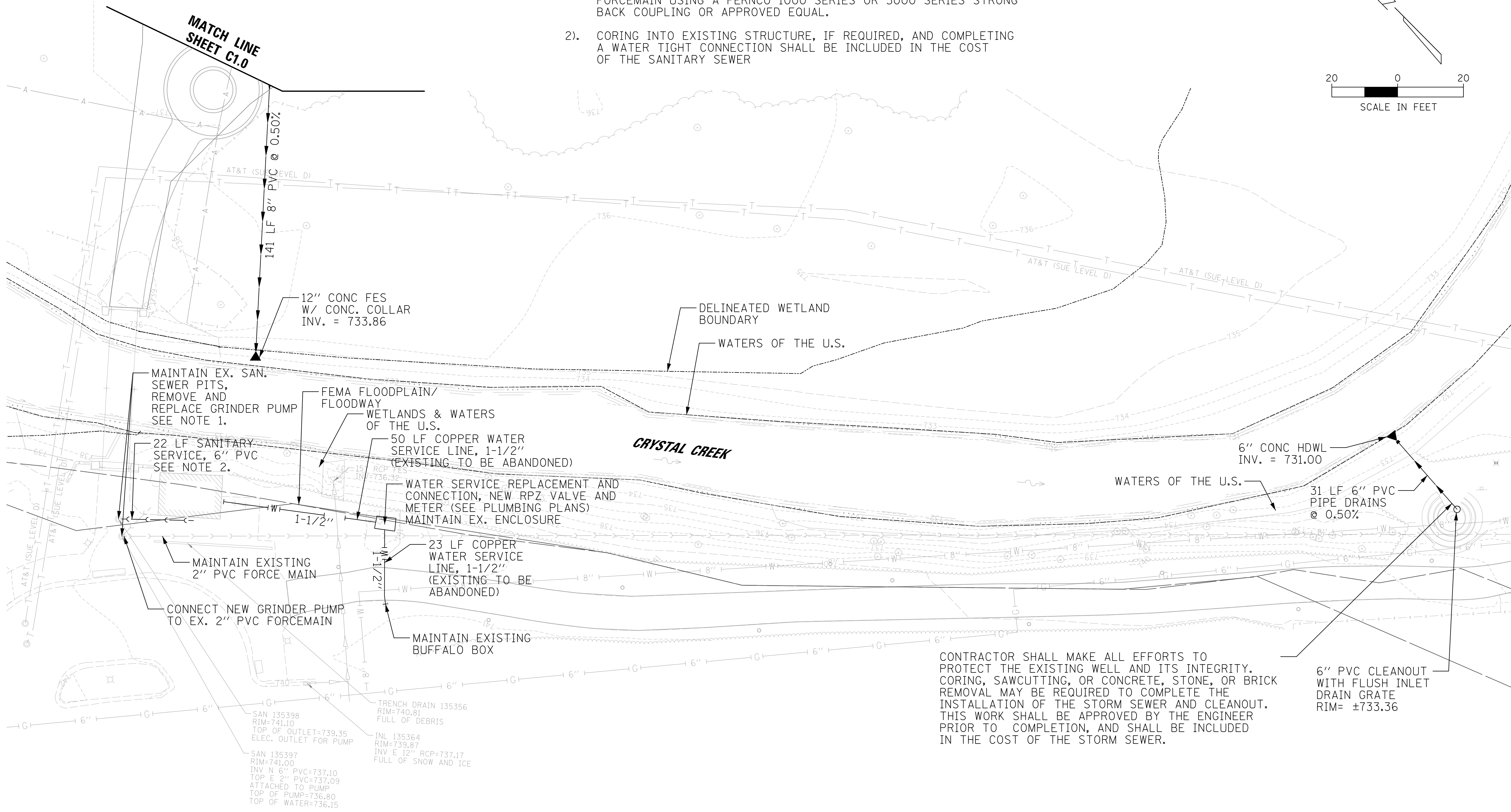
SHEET TITLE
**Proposed
Utility Plan**

N:\Algonquin\220864\C1.0_220864_PR UTIL_01.DGN



NOTES:

1. BATHROOMS SHALL BE CLOSED DURING THE WATER SERVICE AND GRINDER PUMP INSTALLATION. CONTRACTOR SHALL VERIFY CONDITION OF EXISTING STRUCTURES PRIOR TO INSTALLATION. GRINDER PUMP SHALL BE CONNECTED TO THE EXISTING 2" PVC FORCEMAIN USING A FERNCO 1000 SERIES OR 5000 SERIES STRONG BACK COUPLING OR APPROVED EQUAL.
2. CORING INTO EXISTING STRUCTURE, IF REQUIRED, AND COMPLETING A WATER TIGHT CONNECTION SHALL BE INCLUDED IN THE COST OF THE SANITARY SEWER

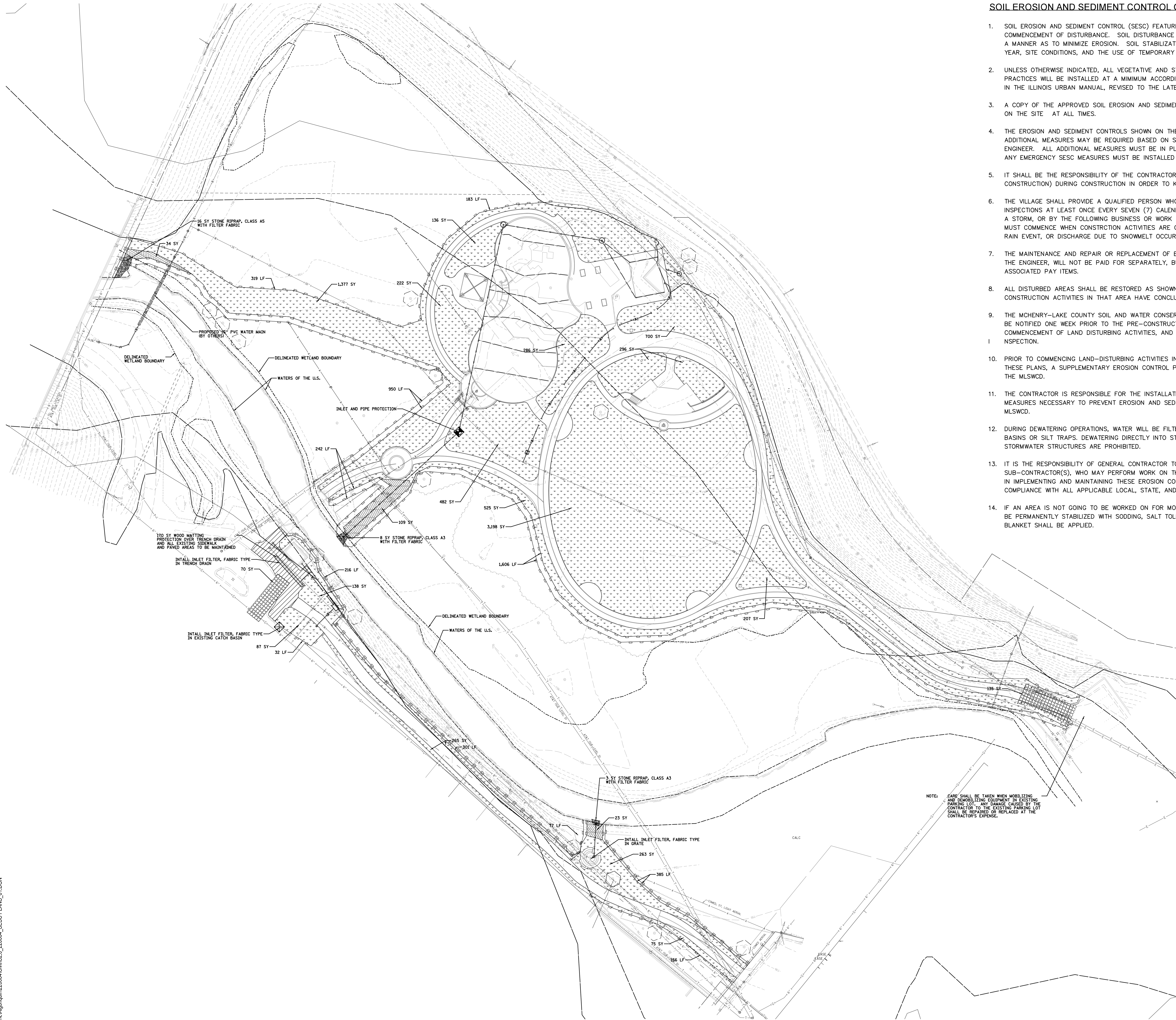


Issue for Construction
May 7, 2024

REVISIONS		
No	Date	Issue

CHECKED BY LMF DRAWN BY DJK

SHEET TITLE
**Proposed
Utility Plan**



SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. SOIL EROSION AND SEDIMENT CONTROL (SESC) FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AT A MINIMUM ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, REVISED TO THE LATEST VERSION AS AMENDED.
3. A COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN MUST BE MAINTAINED ON THE SITE AT ALL TIMES.
4. THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED BASED ON SITE CONDITIONS OR AS DIRECTED BY THE ENGINEER. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT ALL WATER (GROUND, STORM, AND CONSTRUCTION) DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREAS FREED OF WATER.
6. THE VILLAGE SHALL PROVIDE A QUALIFIED PERSON WHO WILL BE RESPONSIBLE FOR CONDUCTING SITE INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM, OR BY THE FOLLOWING BUSINESS OR WORK DAY, THAT IS 0.5 INCHES OR GREATER. INSPECTIONS MUST COMMENCE WHEN CONSTRUCTION ACTIVITIES ARE CONDUCTED, OR IF THERE IS A 0.5 INCH OR GREATER RAIN EVENT, OR DISCHARGE DUE TO SNOWMELT OCCURS.
7. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.
8. ALL DISTURBED AREAS SHALL BE RESTORED AS SHOWN IN THE PLANS WITHIN SEVEN (7) DAYS AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED UNLESS APPROVED BY THE ENGINEER.
9. THE MCHENRY-LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT (MLSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
10. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS, A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY THE MLSWCD.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE MLSWCD.
12. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED, OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES ARE PROHIBITED.
13. IT IS THE RESPONSIBILITY OF GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
14. IF AN AREA IS NOT GOING TO BE WORKED ON FOR MORE THAN (7) DAYS AND IS NOT READY TO BE PERMANENTLY STABILIZED WITH SODDING, SALT TOLERANT, THEN TEMPORARY EROSION CONTROL BLANKET SHALL BE APPLIED.

LEGEND:

- TOPSOIL EXCAVATION AND PLACEMENT (6") EROSION CONTROL BLANKET, S75BN
- TOPSOIL EXCAVATION AND PLACEMENT (6") EROSION CONTROL BLANKET, S100BN
- SILTATION FENCE
- STONE RIPRAP, CLASS A3 OR STONE RIPRAP, CLASS A5 WITH FILTER FABRIC
- STABILIZED CONSTRUCTION ENTRANCE
- STABILIZED CONSTRUCTION ENTRANCE (WOOD MATTING)
- TEMPORARY CONSTRUCTION FENCE FOR TREE PROTECTION
- INLET AND PIPE PROTECTION
- INLET FILTERS, FABRIC TYPE

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PREPARED FOR
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 Algonquin, Illinois 60102

PROJECT
Towne Park

700 Highland Avenue
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Issue for Construction
 May 7, 2024

REVISIONS

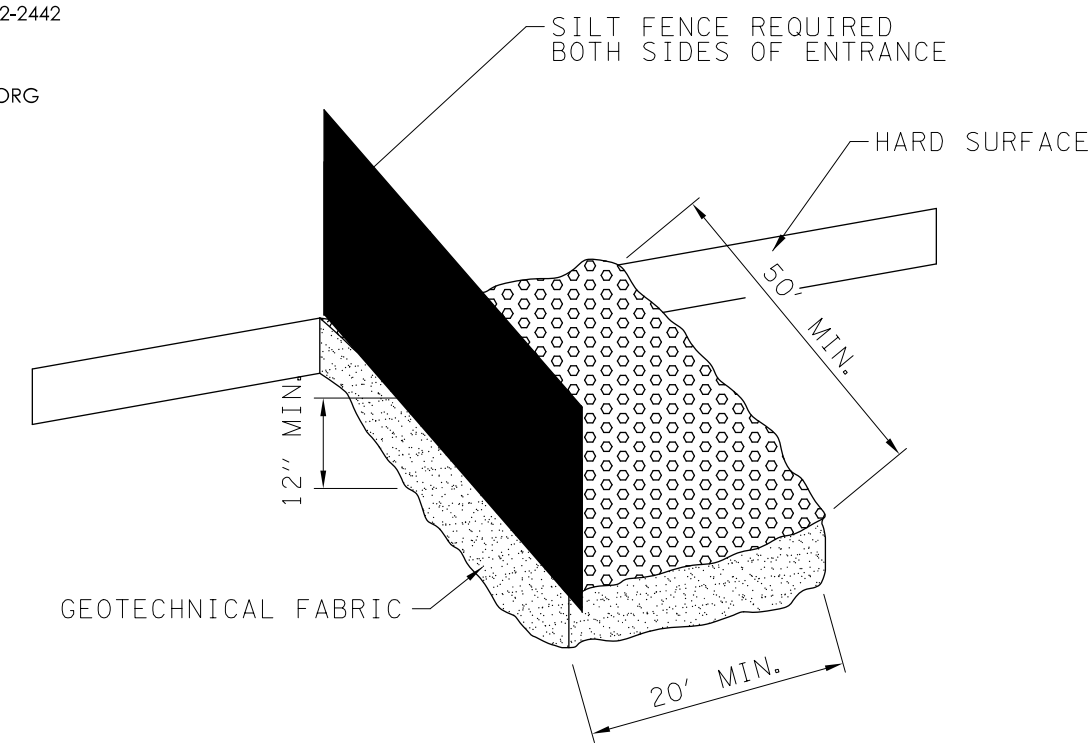
No	Date	Issue

CHECKED BY LMF DRAWN BY DJK

SHEET TITLE
Soil Erosion and Sediment Control Plan

SCALE IN FEET

NORTH SHEET NUMBER
C2.0
 ©2023 Hitchcock Design Group

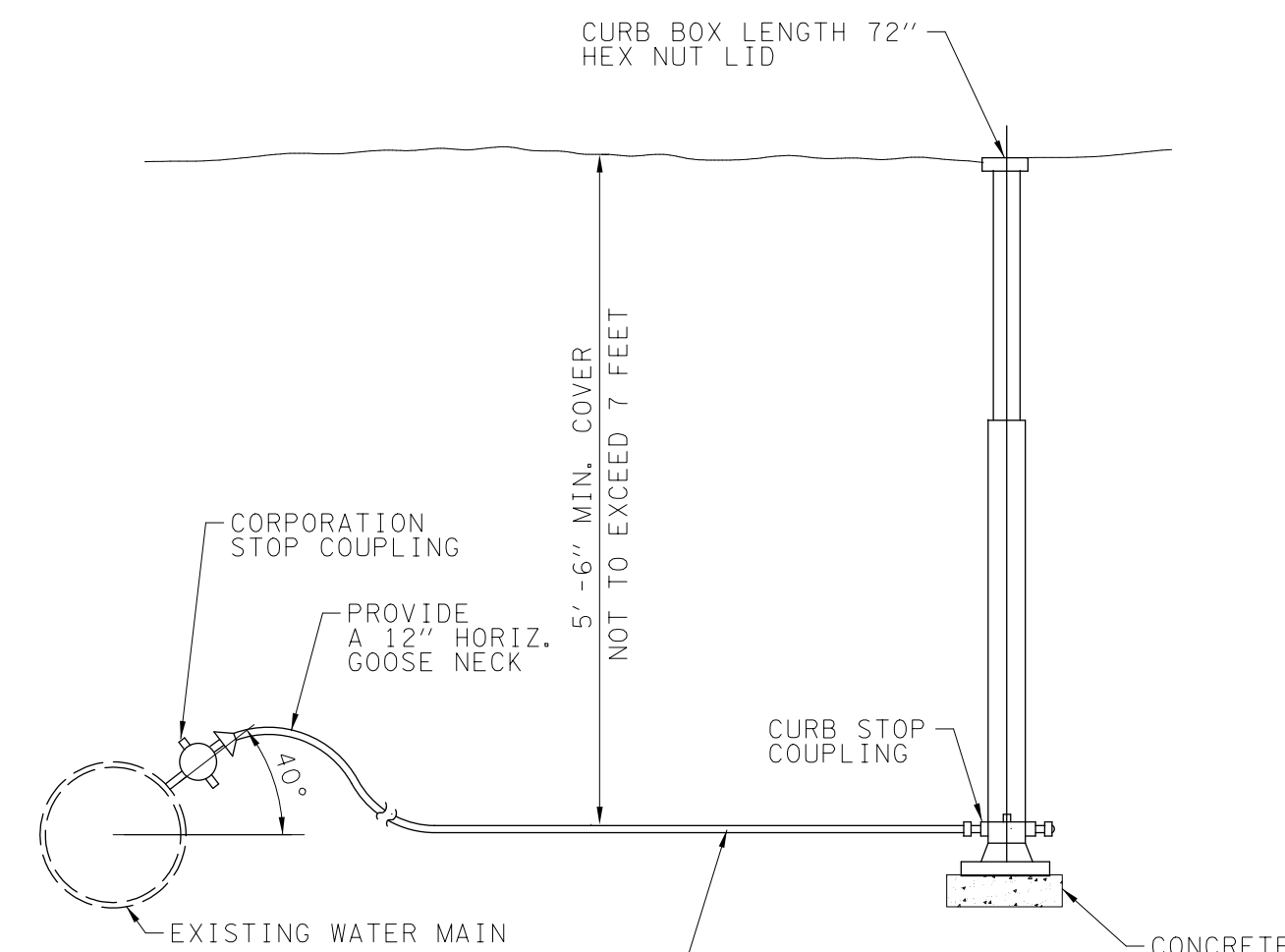


NOTES:

- STONE SIZE - USE 3" STONE, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN TWELVE (12) INCHES.
- WIDTH - TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- GEOTECHNICAL FABRIC WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FABRIC WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- SILT FENCE SHALL LINE BOTH SIDES OF THE ENTRANCE WAY FOR THE ENTIRE LENGTH. THIS WILL ENCOURAGE THE FULL USE OF THE DESIRED ENTRANCE.

CONSTRUCTION ENTRANCE

Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 06/25/2022
Approved By: Public Works Director	Effective Date 06/25/2022



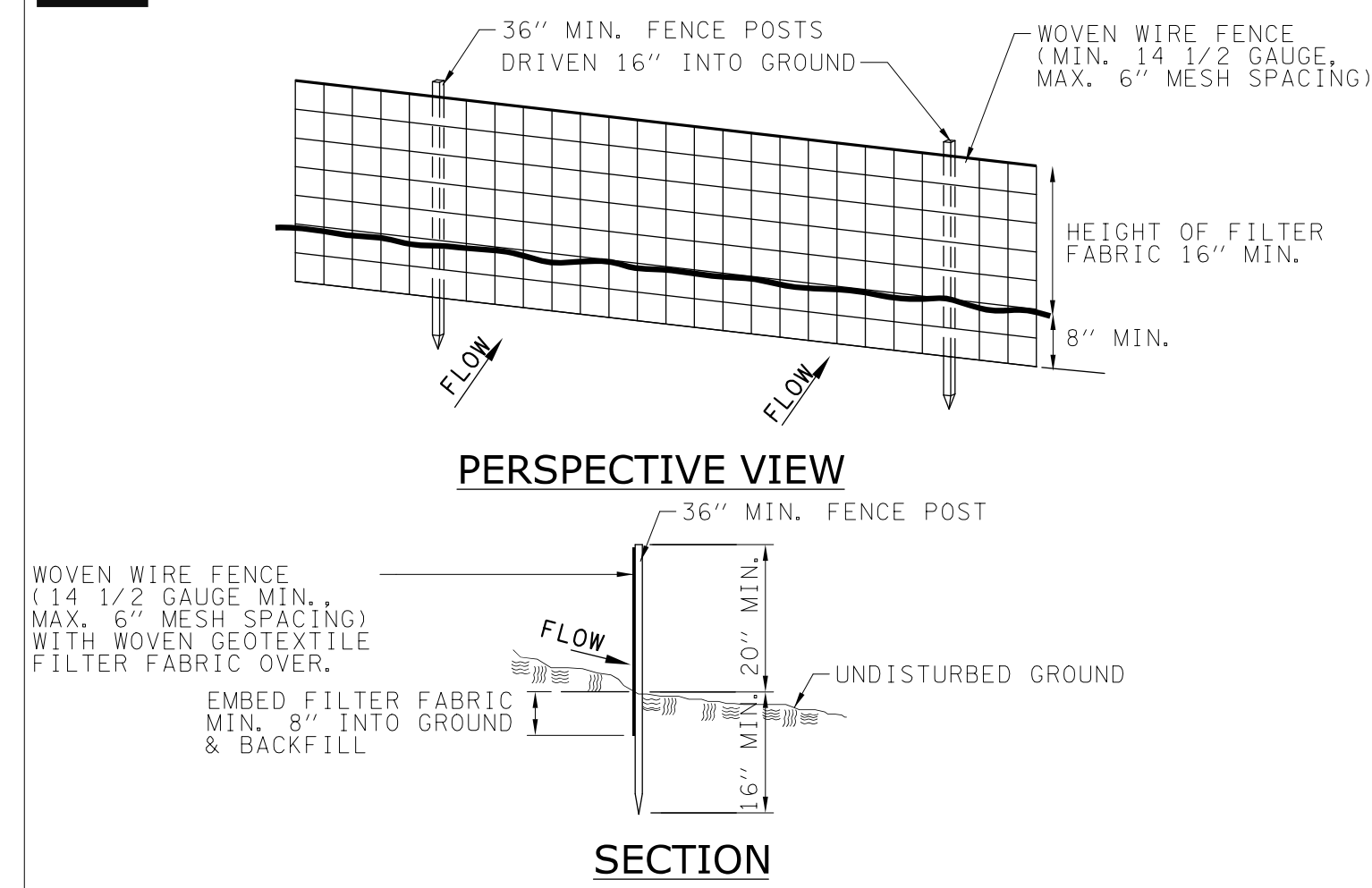
MINIMUM 1-1/2" TYPE K COPPER OR 2" HDPE AS SHOWN IN THE PLANS WITH APPROPRIATE CONNECTIONS

NOTES:

- ALL TAPS (1 1/4" AND BELOW) SHALL BE DONE USING DIRECT TAP METHOD WATER SERVICE CONNECTIONS TO WATER MAINS SHALL USE THE DRILLING AND TAPPING METHOD INTO A PRESSURIZED MAIN. ALL TAPS 1 1/2" AND GREATER REQUIRE A SADDLE.
- IF CURB BOX IS INSTALLED IN PAVEMENT AREAS USE TRAFFIC RATED (B-BOX COVER)
- SEE APPROVED VILLAGE OF ALGONQUIN PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.
- LOCATION OF B-BOX IS TO FOLLOW THE ENGINEERING PLAN.

NEW WATER SERVICE AND BUFFALO BOX

Village of Algonquin Specifications & Details Guide	
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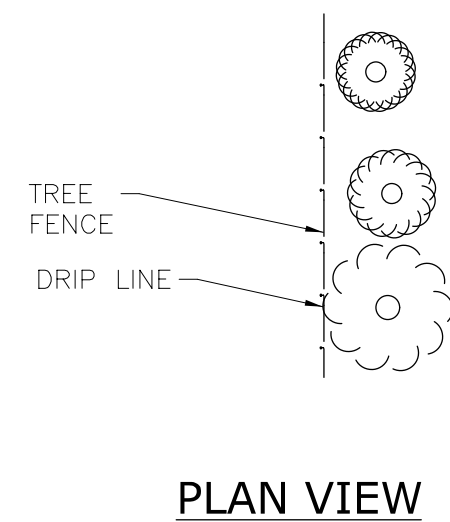


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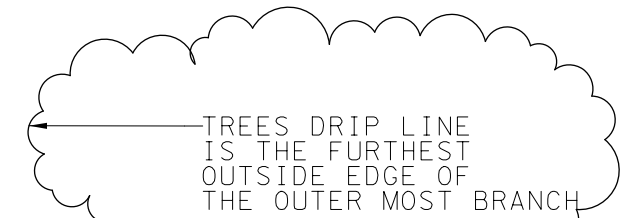
- WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE OR WHEN COLLECTED SOIL HAS REACHED A DEPTH OF 1/2 THE FABRIC HEIGHT.
- SEE VILLAGE OF ALGONQUIN APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

SILTATION CONTROL FENCE

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PLAN VIEW



PROTECTIVE FENCING TO BE INSTALLED AT DRIP LINE OF TREE

SEE TREE REMOVAL ORDINANCE FOR DETAILS IF TREE REMOVAL IS NECESSARY

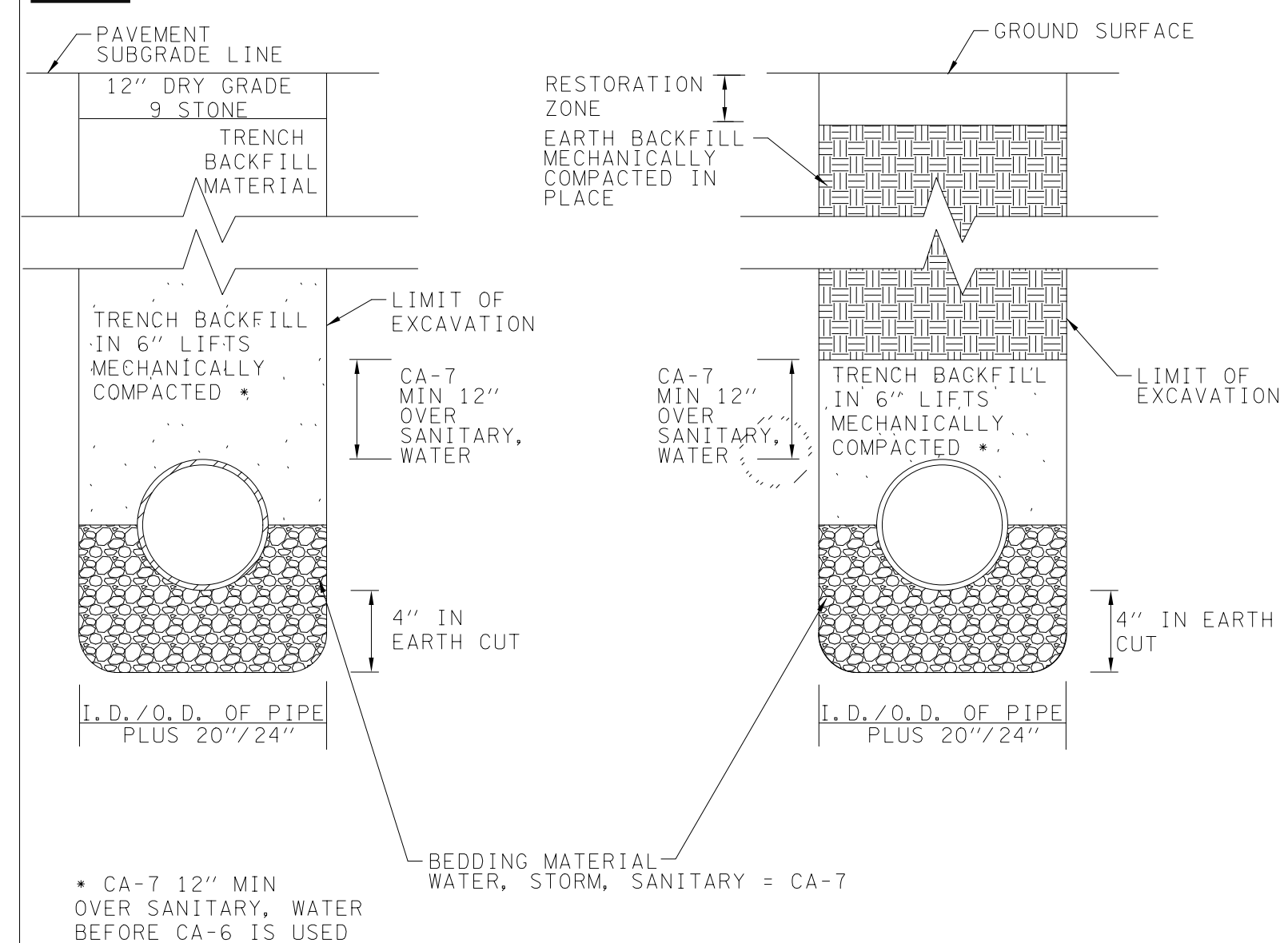
CONSTRUCTION ZONE AS SHOWN ON PLANS

NOTES:

- ADDITIONAL TREE PROTECTION MAY BE NECESSARY AT THE DIRECTION OF THE VILLAGE.
- THERE IS TO BE NO STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL INSIDE THE PROTECTIVE FENCING.

TEMPORARY CONSTRUCTION FENCE FOR TREE PROTECTION

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IN PAVED AREA

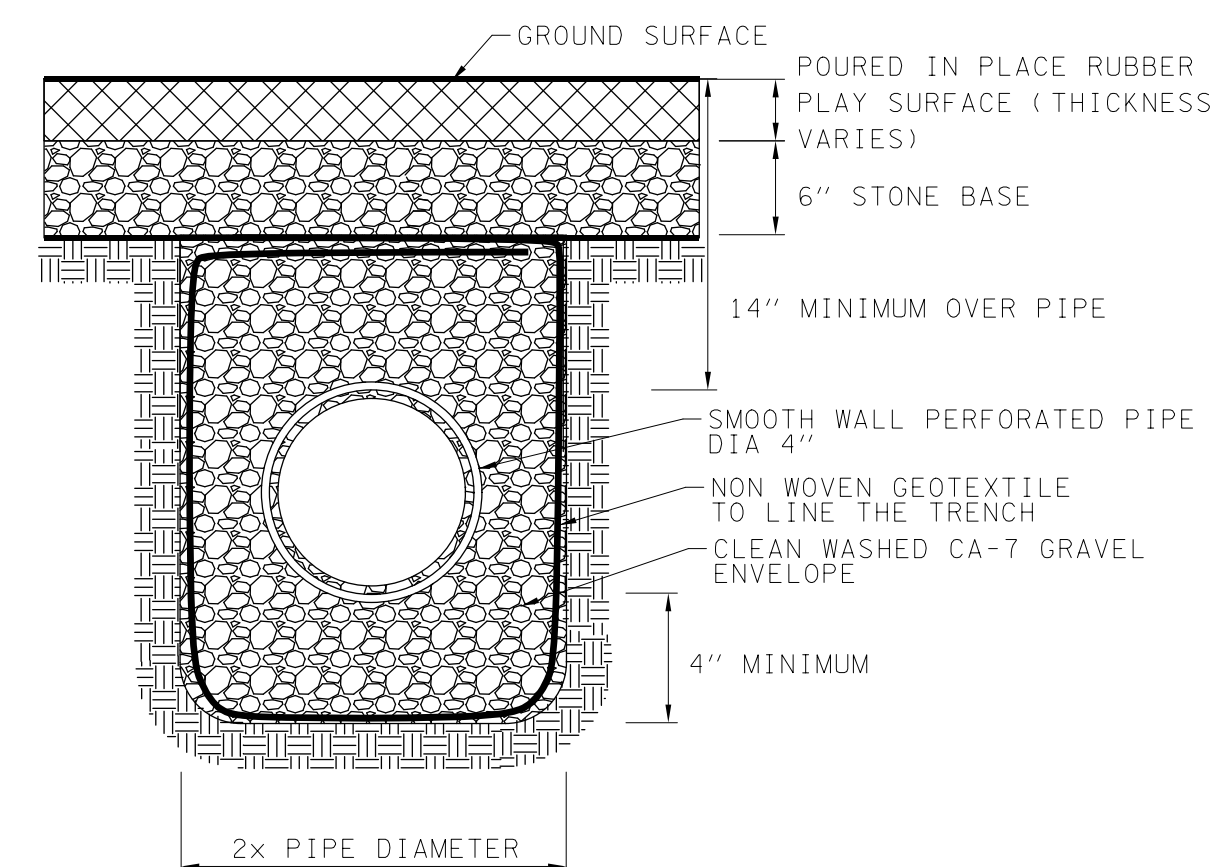
IN UNPAVED AREA

MINIMUM TRENCH WIDTH PAY LINE: PIPE SIZES UP TO 24", USE I. D. PLUS 20" OVER 24", USE O. D. PLUS 24"

MINIMUM TRENCH WIDTH PAY LINE: PIPE SIZES UP TO 24", USE I. D. PLUS 20" OVER 24", USE O. D. PLUS 24"

TRENCH SECTIONS

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NOTE:

- SEE APPROVED VILLAGE OF ALGONQUIN PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

PIPE UNDERDRAINS

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Issue for Construction
May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY: LMF
DRAWN BY: DJK

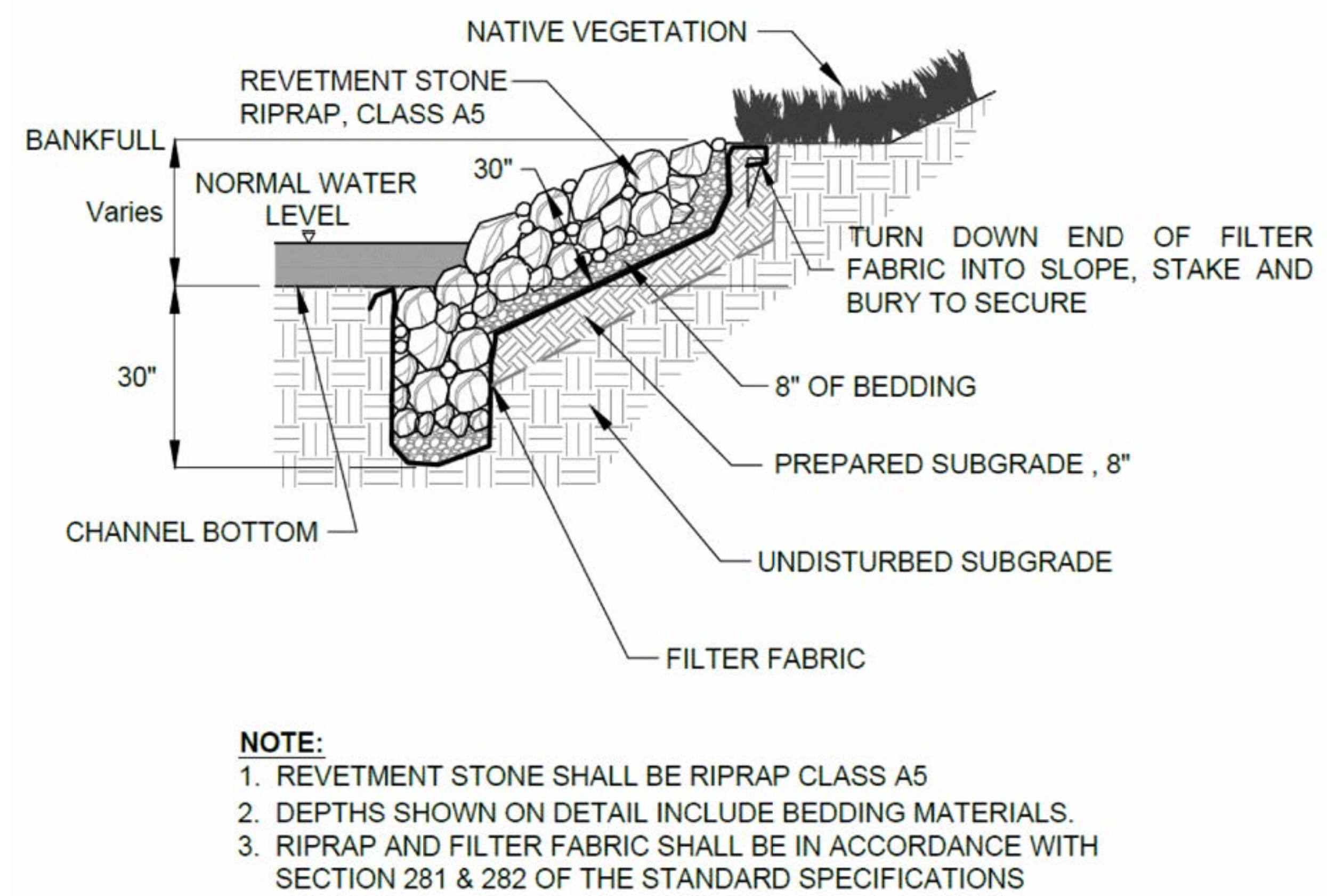
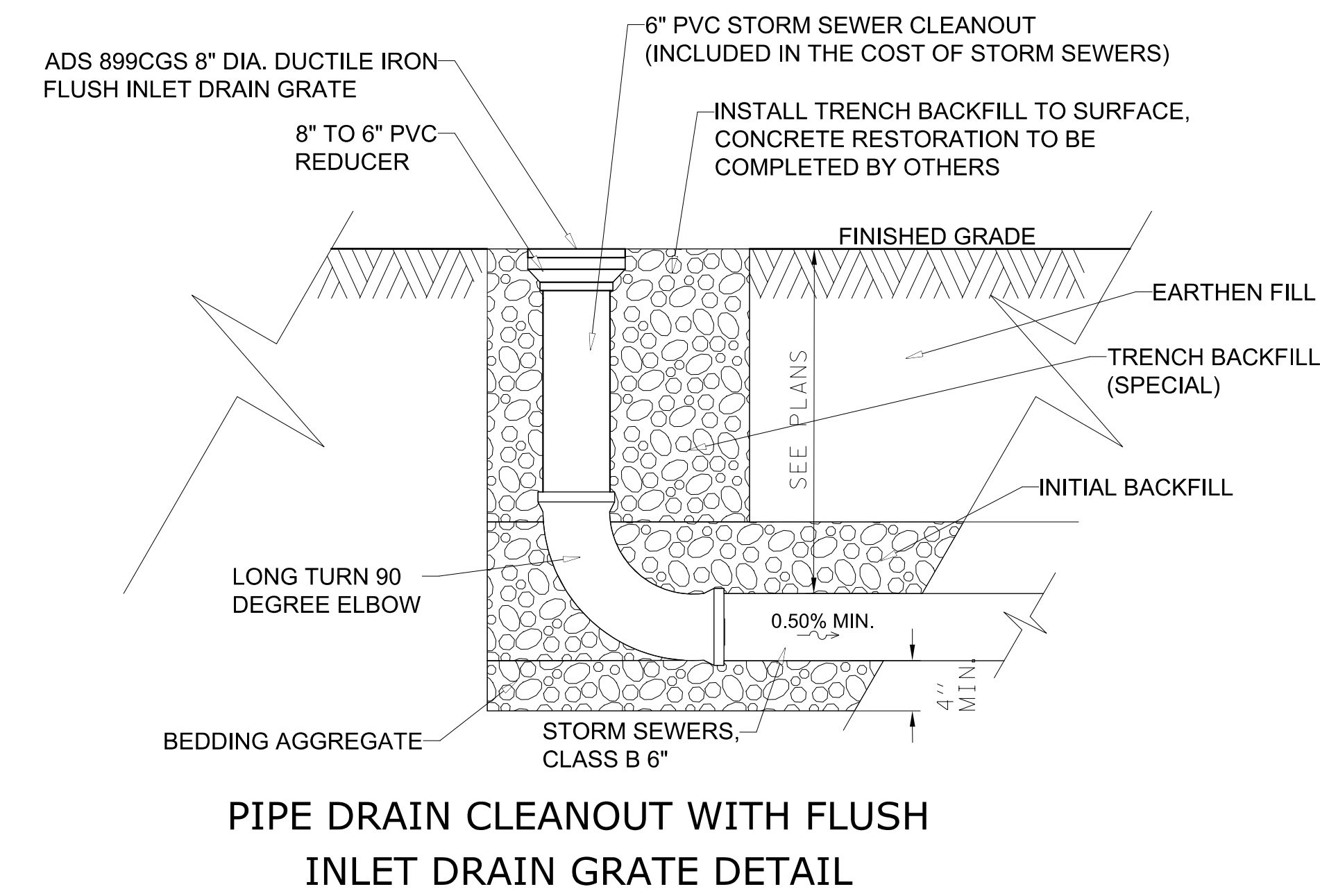
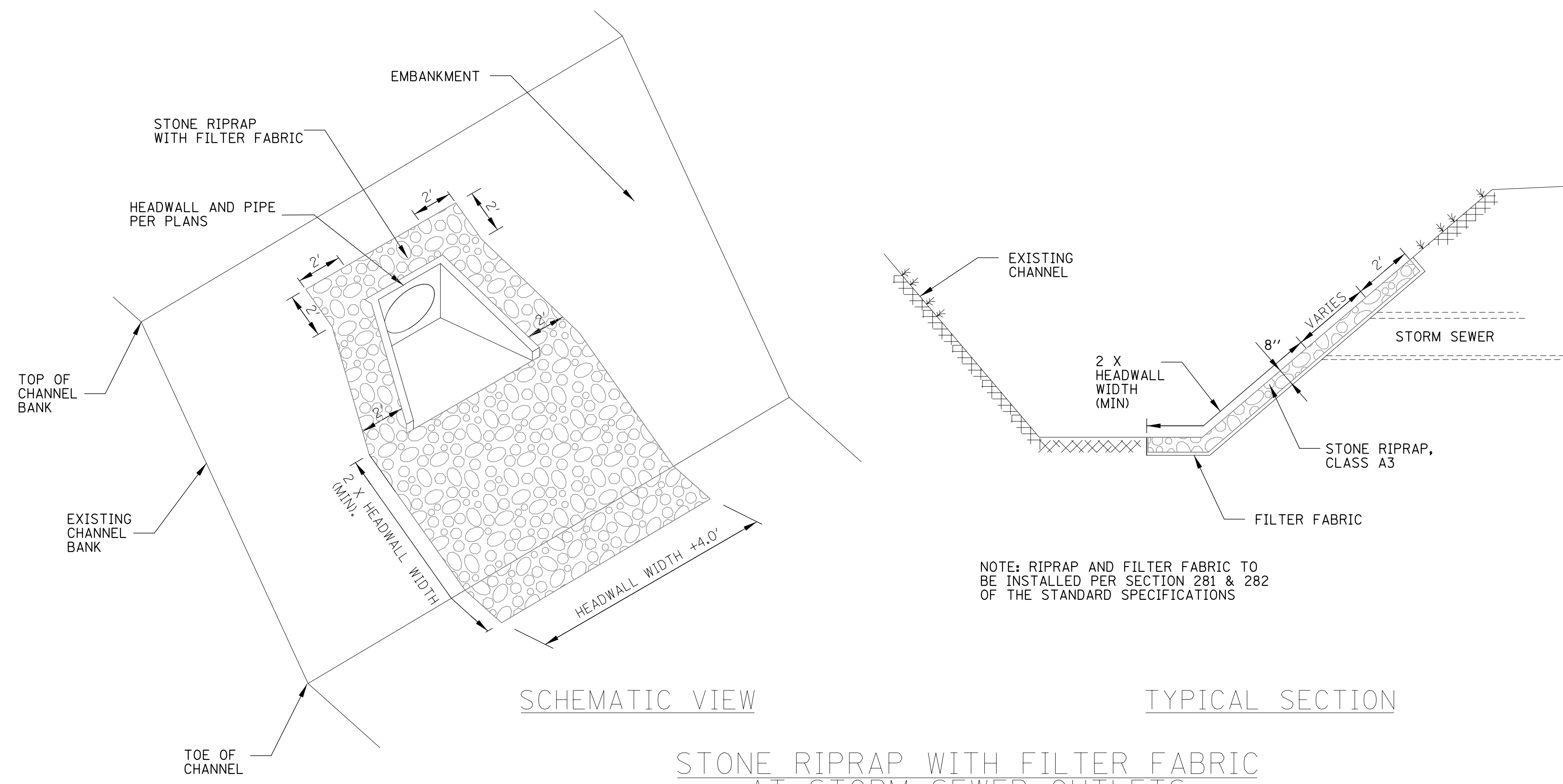
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Construction Details

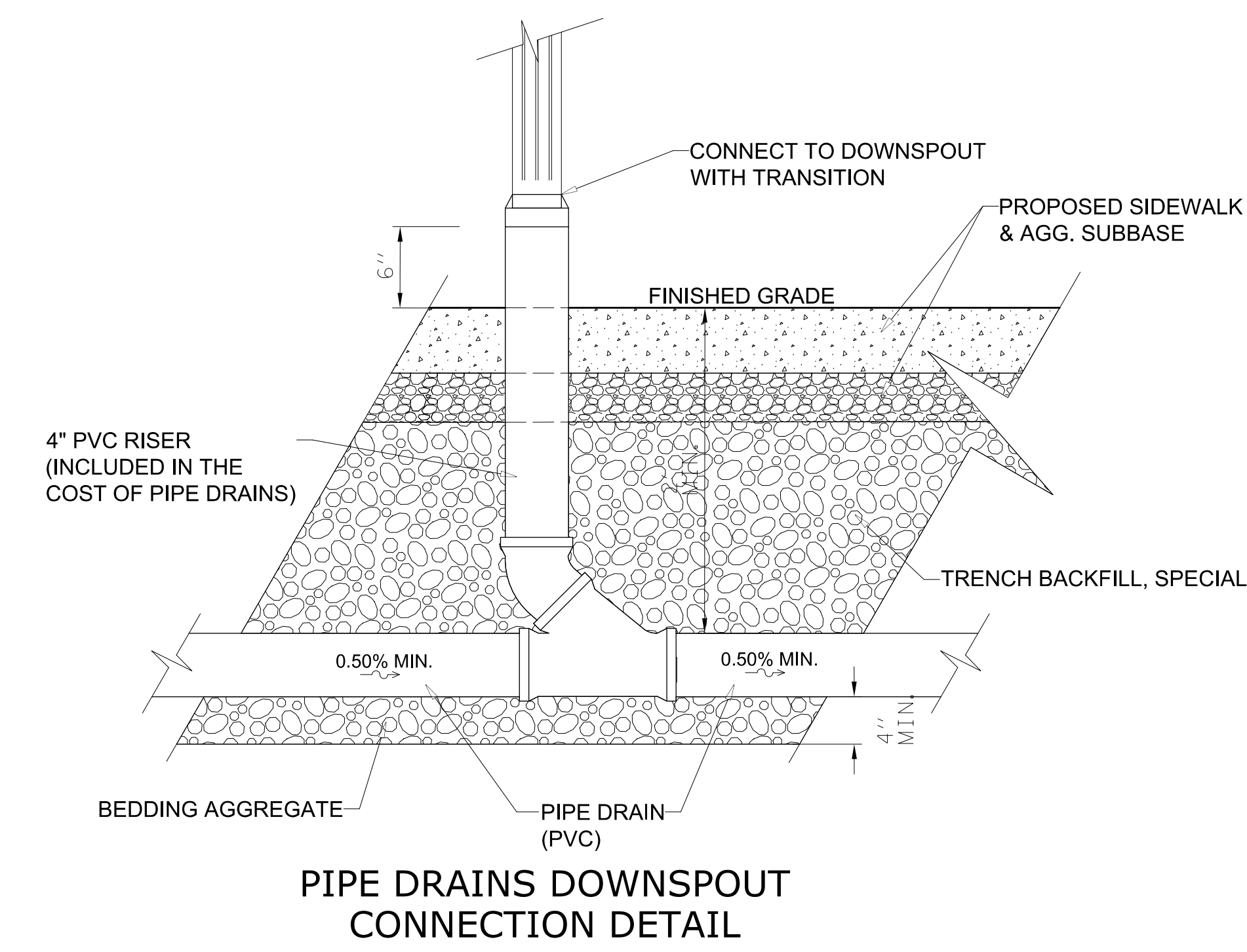
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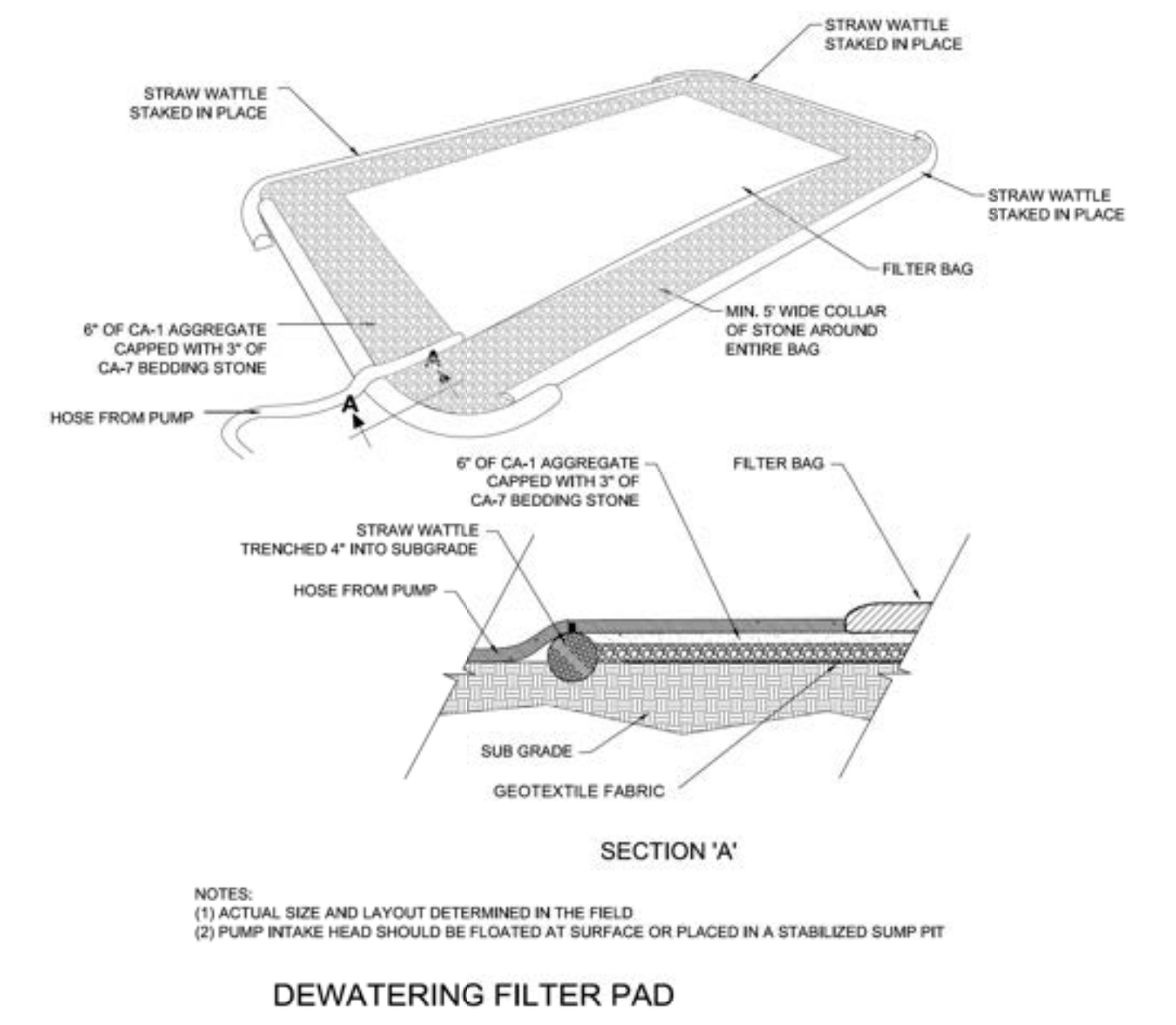
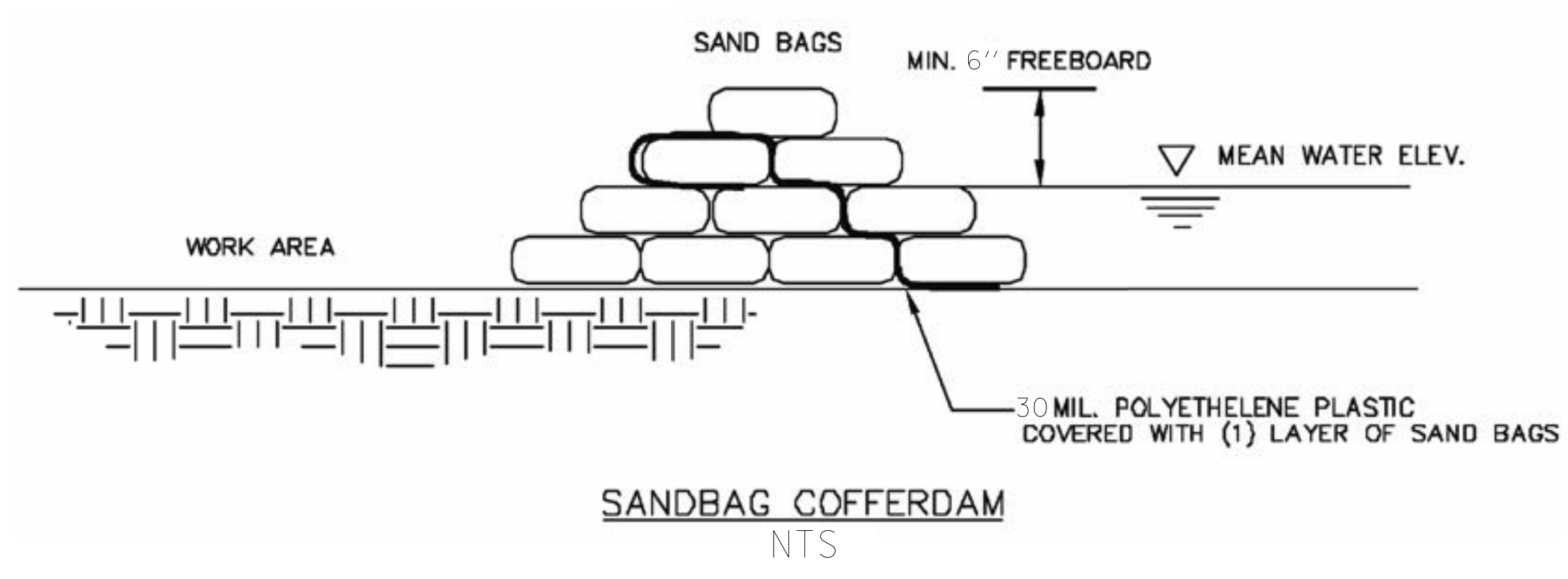
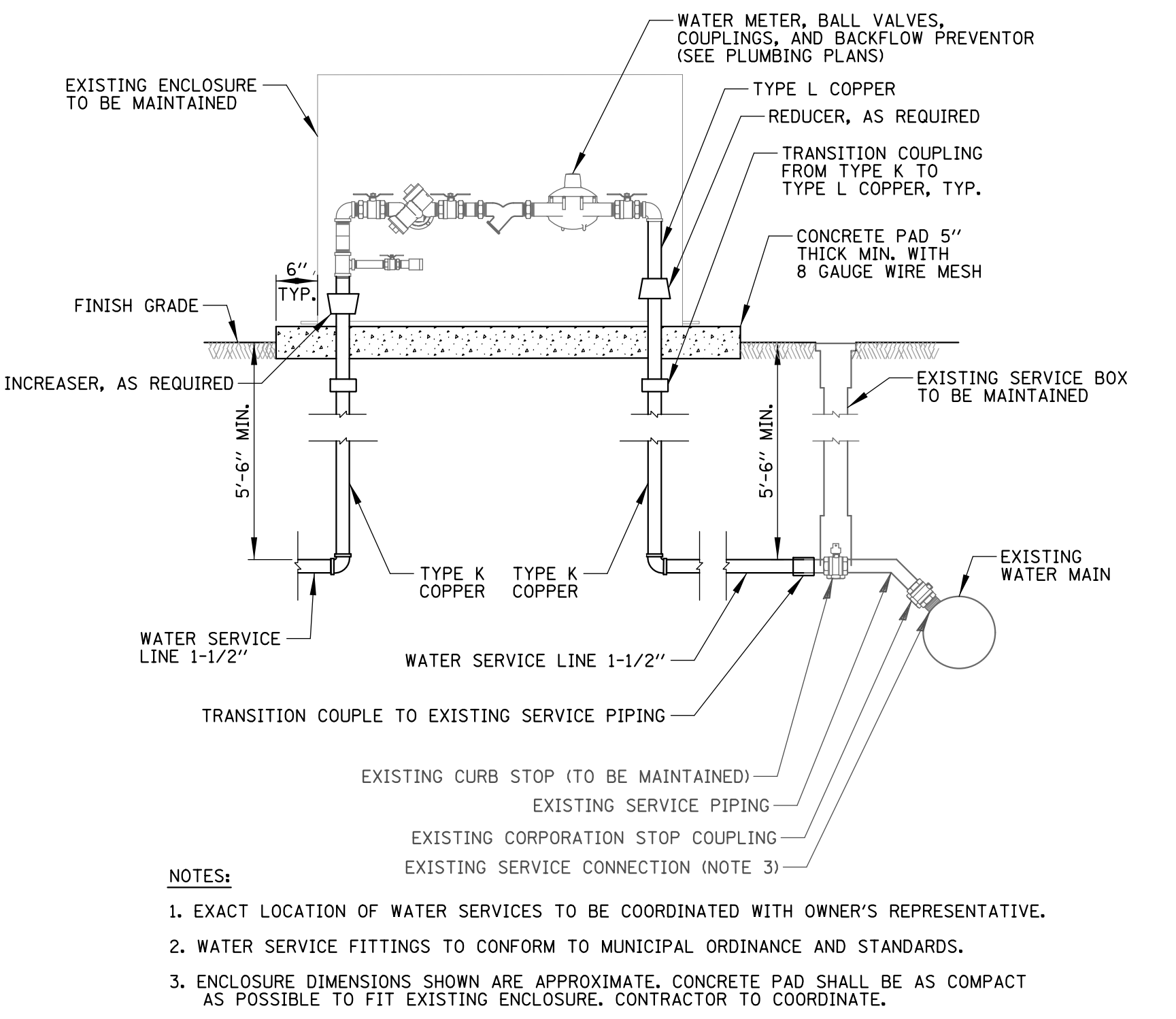
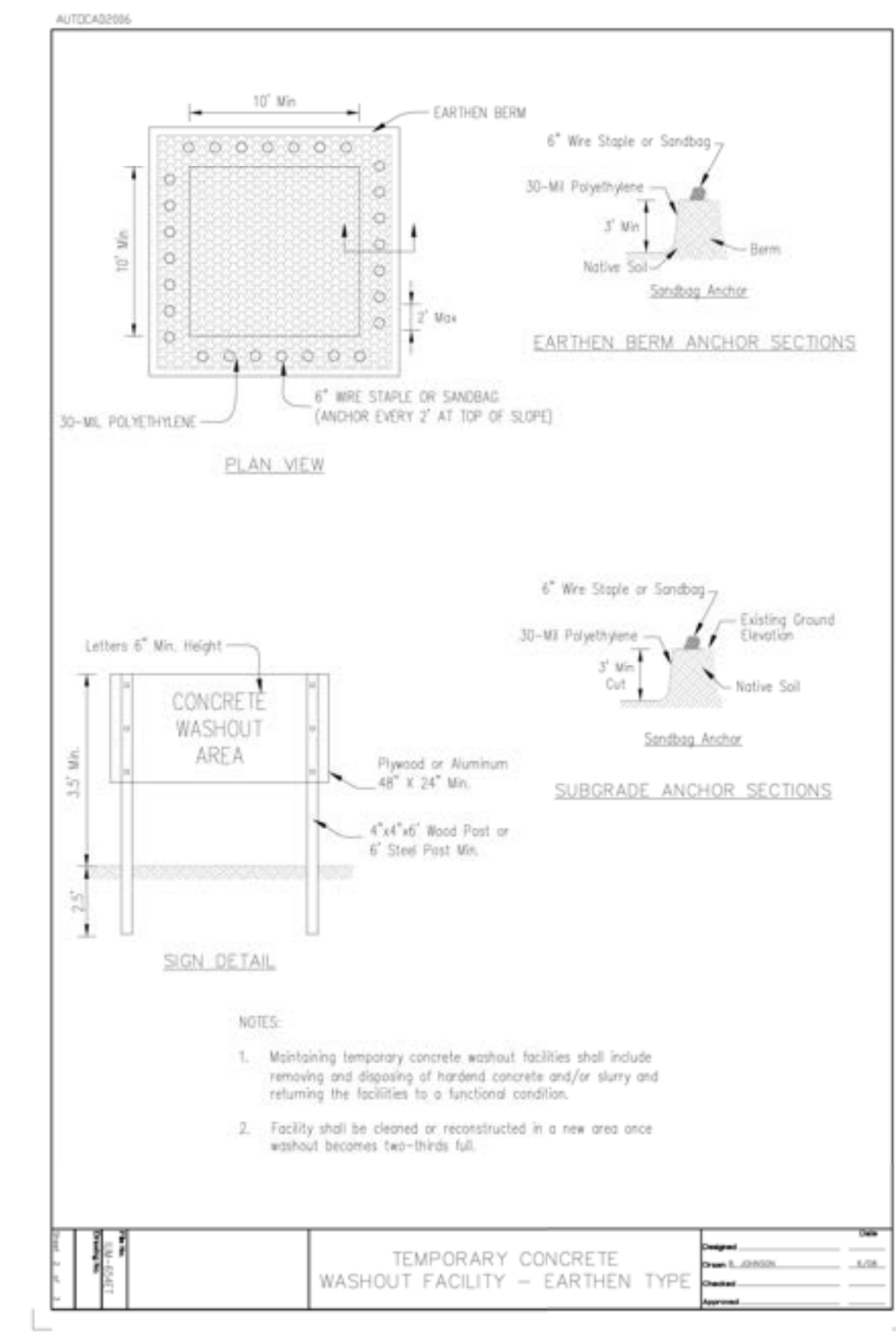
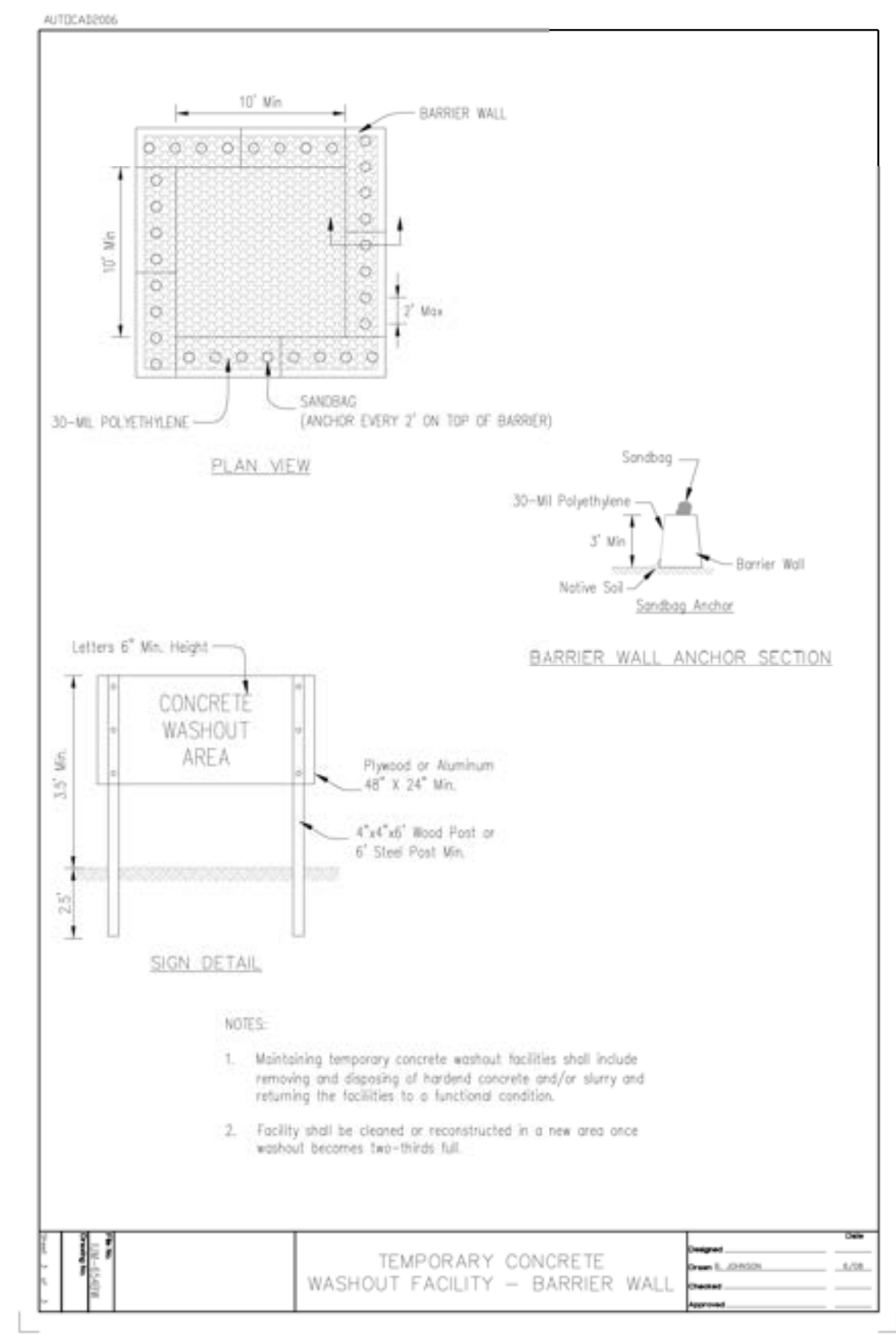
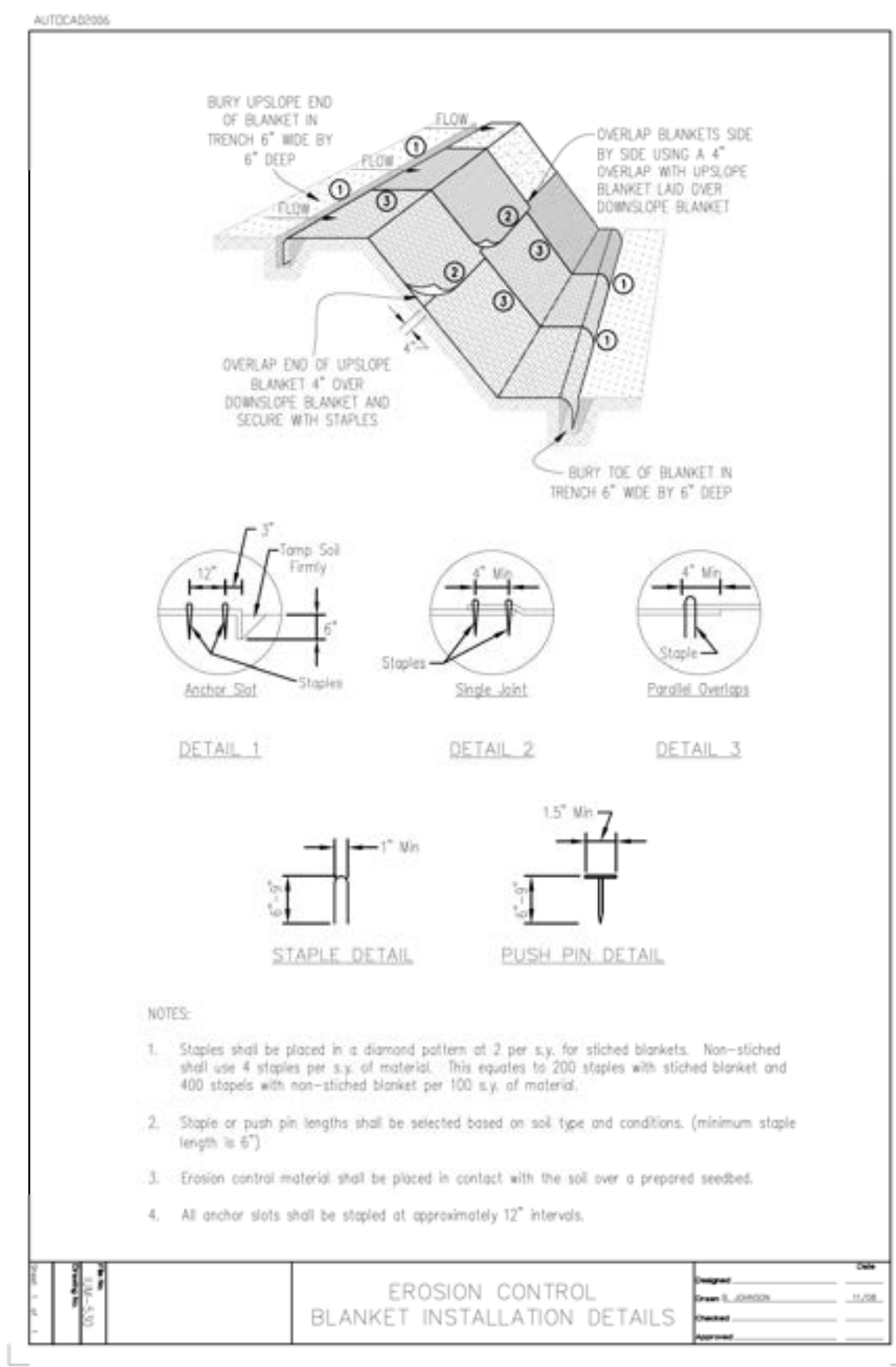
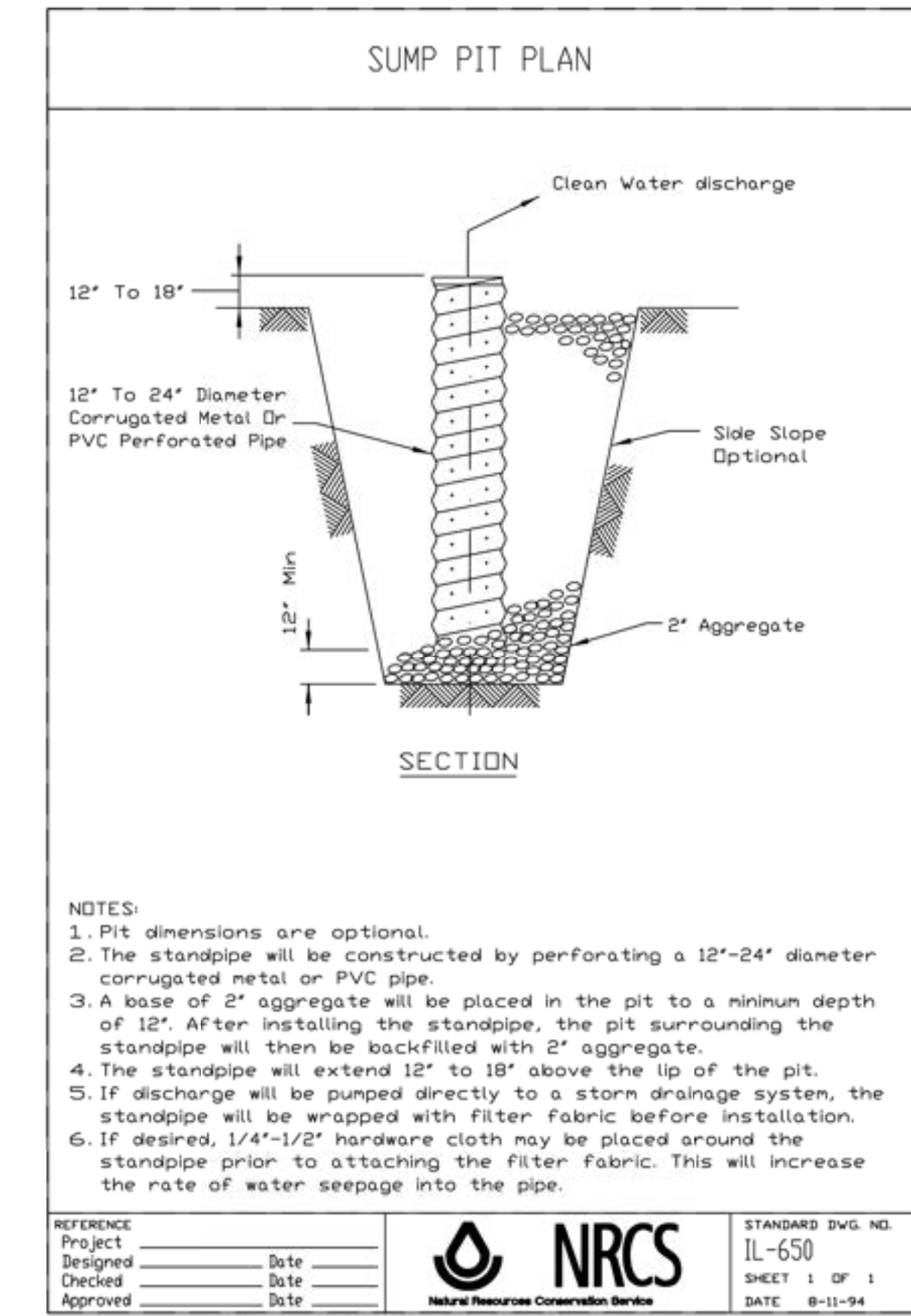
C2.1

No	Date	Issue



GRINDER PUMP
SEE SPECIFICATIONS FOR DETAILS





Issue for Construction
May 7, 2024

REVISIONS		
No	Date	Issue

CHECKED BY LMF
DRAWN BY DJK

SHEET TITLE
Construction Details

SHEET NUMBER

C2.3

PREPARED FOR

**Village of
Algonquin**

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
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SHEET NOTES (X)

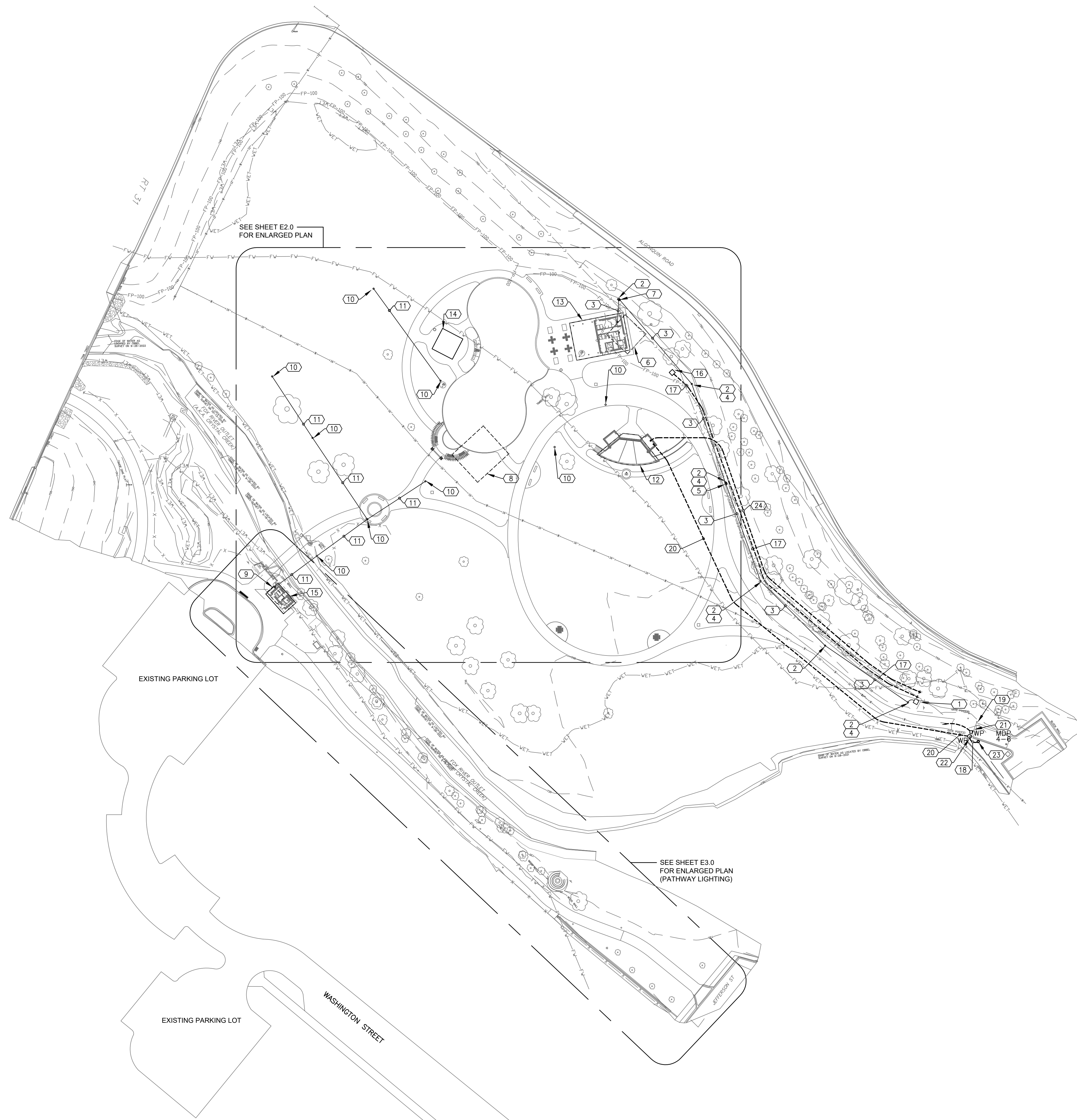
1. EXISTING UTILITY COMPANY PAD MOUNTED TRANSFORMER TO BE REMOVED BY UTILITY COMPANY.
2. EXISTING UTILITY COMPANY POLE TO BE REMOVED BY UTILITY COMPANY.
3. EXISTING UTILITY OVERHEAD ELECTRIC TO BE REMOVED BY UTILITY COMPANY.
4. EXISTING UTILITY POLE LIGHT AND ASSOCIATED WIRING TO BE REMOVED BACK TO SOURCE.
5. EXISTING OVERHEAD ELECTRIC SERVICE DROP, METER, DISCONNECT SWITCH, ETC. TO BE REMOVED COMPLETE AS REQUIRED. FIELD VERIFY EXACT EXTENT OF REMOVAL.
6. EXISTING ONE STORY METAL BUILDING TO BE REMOVED. REMOVE EXISTING BUILDING SERVICE INCLUDING METER, PANEL, FEEDER ETC. COMPLETE AS REQUIRED. FIELD VERIFY EXACT EXTENT OF REMOVAL.
7. EXISTING OVERHEAD ELECTRIC SERVICE DROP, METER, PANEL, FEEDERS, ETC. TO BE REMOVED COMPLETE AS REQUIRED. FIELD VERIFY EXACT EXTENT OF REMOVAL.
8. EXISTING SHELTER TO BE REMOVED. REMOVE EXISTING ELECTRICAL LIGHTING, DEVICES, CONDUIT AND WIRE ETC. COMPLETE AS REQUIRED.
9. EXISTING TOILET BUILDING TO BE REMOVED. REMOVE EXISTING BUILDING PANEL, FEEDER ETC. COMPLETE AS REQUIRED. FIELD VERIFY EXACT EXTENT OF REMOVAL.
10. EXISTING UTILITY POLE, LIGHT AND ASSOCIATED WIRING TO BE REMOVED.
11. EXISTING OVERHEAD ELECTRIC TO BE REMOVED BACK TO SOURCE.
12. PROPOSED BAND SHELL.
13. PROPOSED SHELTER AND TOILETS.
14. PROPOSED GAZEBO.
15. PROPOSED TOILETS.
16. PAD MOUNTED TRANSFORMER BY COMED, E.C. TO PROVIDE CONCRETE PAD AND BARRIER POSTS PER COMED REQUIREMENTS. COORDINATE EXACT LOCATION WITH COMED AND OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. COMED TO EXTEND EXISTING PRIMARY CABLE TO NEW PAD MOUNTED TRANSFORMER LOCATION.
17. PROVIDE 4" CONDUIT FROM PAD MOUNTED TRANSFORMER TO PROPERTY LINE AS DIRECTED BY COMED FOR PRIMARY CABLE. COORDINATE AND VERIFY ALL REQUIREMENTS WITH COMED.
18. FURNISH AND INSTALL ONE 1 1/2" UNDERGROUND PVC CONDUIT RACEWAY FROM GATE CONTROLLER TO CARD READER GOOSE NECK LOCATION AT ENTRANCE GATE FOR SONITROL SYSTEM. VERIFY EXACT STUB UP LOCATION AND GATE CONTROLLER CONNECTION REQUIREMENTS WITH LANDSCAPE ARCHITECT/ OWNER & EQUIPMENT SUPPLIER.
19. PROPOSED ENTRANCE GATE.
20. FURNISH AND INSTALL ONE 1 1/2" UNDERGROUND PVC CONDUIT RACEWAY STUB 6" ABOVE FLOOR WITH PULL ROPE FROM ELECTRICAL/ STORAGE 109 (BANDSHELL) TO WP JUNCTION BOX AT ENTRANCE GATE CONTROLLER FOR SONITROL SYSTEM. VERIFY EXACT STUB UP LOCATION AT BUILDING LOCATION AND GATE CONNECTION REQUIREMENTS WITH LANDSCAPE ARCHITECT/ OWNER & EQUIPMENT SUPPLIER.
21. FURNISH AND INSTALL ENTRANCE GATE CONNECTION COMPLETE AS REQUIRED. VERIFY EXACT ELECTRICAL CONNECTION REQUIREMENTS WITH GATE SUPPLIER PRIOR TO ROUGH-IN. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/OWNER. 1" C. 2#6+1#6 GRD.
22. GATE CONTROLLER.
23. GATE CARD READER GOOSE NECK.
24. FURNISH AND INSTALL ONE 3" CONDUIT STUBBED 6" ABOVE FLOOR WITH PULL ROPE TO PROPERTY LINE FOR DATA/PHONE SERVICE. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY.

GENERAL NOTES

- A. THIS DRAWING DOES NOT PURPORT TO SHOW ALL EXISTING LIGHT FIXTURES, RECEPTACLES, JUNCTION BOXES, SWITCHES, SPEAKERS, TELECOM, ETC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK. CONTRACTOR SHALL ALSO FIELD VERIFY ALL CONDUITS, CABLES, ETC. THAT ARE PASSING THROUGH THIS AREA AND SERVE ADJACENT AREAS THAT ARE REQUIRED TO REMAIN.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW WORK WITH EXISTING CONDITIONS.
- C. CONDUIT ROUTING IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND ADJUST AS REQUIRED.
- D. CONTRACTOR SHALL BE AWARE OF POSSIBLE CONFLICTS BETWEEN NEW AND EXISTING UTILITIES AND COORDINATE AS REQUIRED. PROTECT ALL EXISTING UTILITIES AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BEFORE BEGINNING WORK. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED BY CONTRACTOR TO OWNERS SATISFACTION.
- E. VERIFY ALL LOCATIONS OF LIGHT FIXTURES, POLES WITH LANDSCAPE ARCHITECT/ OWNER PRIOR TO ROUGH-IN.
- F. ALL DAMAGED CONCRETE SIDEWALKS, ASPHALT, STAIRS, PAVERS, ETC., DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR.
- G. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT AND COORDINATING SITE INSPECTIONS THROUGH THE VILLAGE OF ALGONQUIN.
- I. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE VILLAGE OF ALGONQUIN CODE OF ORDINANCES REQUIREMENTS.
- J. LIGHTING AND POLE BASE INSTALLATION SHALL MEET THE VILLAGE OF ALGONQUIN CODE OF ORDINANCES REQUIREMENTS.
- K. SEE BANDSHELL, SHELTER/TOILET AND TOILET BUILDING DRAWINGS ETC. FOR ADDITIONAL WORK REQUIRED BY THE ELECTRICAL CONTRACTOR FOR EACH OF THE BUILDINGS. VERIFY MANUFACTURER, MODEL NUMBER, STYLE, COLOR, ACCESSORIES, OPTIONS, ETC. WITH ARCHITECT & G.C. PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION. COORDINATE LOCATION AND INSTALLATION WITH BUILDING SUPPLIER.

LEGEND

(X) DENOTES SHEET NOTE TAG



Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

CHECKED BY: MZ DRAWN BY: RB

SHEET TITLE
**Electrical
Overall Site Plan**

SCALE IN FEET
1" = 50'
0' 25' 50' 150'

NORTH SHEET NUMBER

E1.0

SHEET NOTES (X)

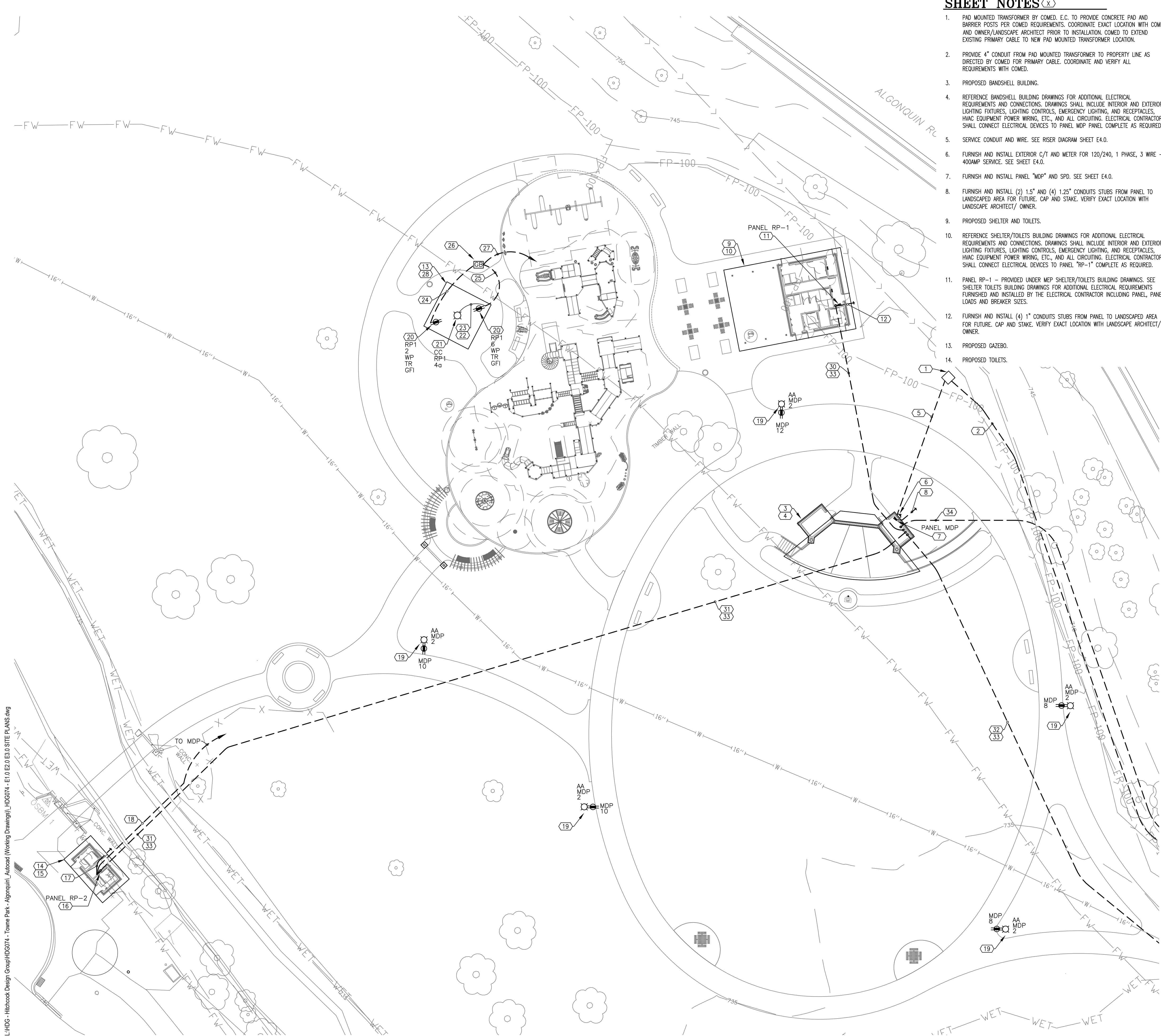
1. PAD MOUNTED TRANSFORMER BY COMED, E.C. TO PROVIDE CONCRETE PAD AND BARRIER POSTS PER COMED REQUIREMENTS. COORDINATE EXACT LOCATION WITH COMED AND OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. COMED TO EXTEND EXISTING PRIMARY CABLE TO NEW PAD MOUNTED TRANSFORMER LOCATION.
2. PROVIDE 4" CONDUIT FROM PAD MOUNTED TRANSFORMER TO PROPERTY LINE AS DIRECTED BY COMED FOR PRIMARY CABLE. COORDINATE AND VERIFY ALL REQUIREMENTS WITH COMED.
3. PROPOSED BANDSHELL BUILDING.
4. REFERENCE BANDSHELL BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS AND CONNECTIONS. DRAWINGS SHALL INCLUDE INTERIOR AND EXTERIOR LIGHTING FIXTURES, LIGHTING CONTROLS, EMERGENCY LIGHTING, AND RECEPTACLES, HVAC EQUIPMENT POWER WIRING, ETC., AND ALL CIRCUITING. ELECTRICAL CONTRACTOR SHALL CONNECT ELECTRICAL DEVICES TO PANEL MDP PANEL COMPLETE AS REQUIRED.
5. SERVICE CONDUIT AND WIRE. SEE RISER DIAGRAM SHEET E4.0.
6. FURNISH AND INSTALL EXTERIOR C/T AND METER FOR 120/240, 1 PHASE, 3 WIRE - 400AMP SERVICE. SEE SHEET E4.0.
7. FURNISH AND INSTALL PANEL "MDP" AND SPD. SEE SHEET E4.0.
8. FURNISH AND INSTALL (2) 1.5" AND (4) 1.25" CONDUITS STUBS FROM PANEL TO LANDSCAPED AREA FOR FUTURE. CAP AND STAKE. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/ OWNER.
9. PROPOSED SHELTER AND TOILETS.
10. REFERENCE SHELTER/TOILETS BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS AND CONNECTIONS. DRAWINGS SHALL INCLUDE INTERIOR AND EXTERIOR LIGHTING FIXTURES, LIGHTING CONTROLS, EMERGENCY LIGHTING, AND RECEPTACLES, HVAC EQUIPMENT POWER WIRING, ETC., AND ALL CIRCUITING. ELECTRICAL CONTRACTOR SHALL CONNECT ELECTRICAL DEVICES TO PANEL "RP-1" COMPLETE AS REQUIRED.
11. PANEL RP-1 - PROVIDED UNDER MEP SHELTER/TOILETS BUILDING DRAWINGS. SEE SHELTER TOILETS BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR INCLUDING PANEL, PANEL LOADS AND BREAKER SIZES.
12. FURNISH AND INSTALL (4) 1" CONDUITS STUBS FROM PANEL TO LANDSCAPED AREA FOR FUTURE. CAP AND STAKE. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/ OWNER.
13. PROPOSED GAZEBO.
14. PROPOSED TOILETS.
15. REFERENCE TOILET BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS AND CONNECTIONS. DRAWINGS SHALL INCLUDE INTERIOR AND EXTERIOR LIGHTING FIXTURES, LIGHTING CONTROLS, EMERGENCY LIGHTING, AND RECEPTACLES, HVAC EQUIPMENT POWER WIRING, ETC., AND ALL CIRCUITING. ELECTRICAL CONTRACTOR SHALL CONNECT ELECTRICAL DEVICES TO PANEL "RP-2" COMPLETE AS REQUIRED.
16. PANEL RP-2 - PROVIDED UNDER MEP TOILET BUILDING DRAWINGS. SEE TOILET BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR INCLUDING PANEL, PANEL LOADS AND BREAKER SIZES.
17. FURNISH AND INSTALL (2) 1" CONDUITS STUBS FROM PANEL TO LANDSCAPED AREA FOR FUTURE. CAP AND STAKE. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/ OWNER.
18. DIRECT BORE FEEDER FOR PANEL "RP-2" UNDER CREEK.
19. FURNISH AND INSTALL PEDESTRIAN LED FIXTURE AND POLE WITH POLE MOUNTED RECEPTACLE WITH IN-USE COVER. FURNISH AND INSTALL CONCRETE BASE. SEE DETAIL SHEET E5.0. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/ OWNER. 1" USE #8 WIRE FOR LIGHTING AND #6 WIRE FOR RECEPTACLE AND #6 GRD., LIGHTS CONTROLLED BY PHOTO CELL CONTROL AT PANEL MDP. (TYPICAL TYPE AA).
20. FURNISH AND INSTALL GFCI RECEPTACLE FLUSH IN COLUMN. FURNISH AND INSTALL HUBBELL TAYMAC #MX4280 SERIES COVER. RECEPTACLE SHALL BE MOUNTED 24" ABOVE FINISHED FLOOR. E.C. TO COORDINATE CONDUIT PLACEMENT IN FOUNDATION TO MATCH LOCATION OF OPENING IN COLUMN BASE PLATE WITH GAZEBO PROVIDER PRIOR TO ROUGH-IN. COORDINATE CUTOUT IN COLUMN AND CONDUIT ROUTING WITH GAZEBO PROVIDER. VERIFY EXACT LOCATION AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT.
21. FURNISH AND INSTALL LIGHT FIXTURE. FURNISH AND INSTALL ALL REQUIRED HARDWARE TO MOUNT FIXTURE TO UNDERSIDE OF SHELTER. SURFACE MOUNT FIXTURE TO SHELTER.
22. CONDUIT ROUTED THRU COLUMN TO LIGHT FIXTURE.
23. 3/4" C-2#10+1#10 GRD.
24. 1" C-2#6+1#6 GRD.
25. 1" C-4#6+1#6 GRD.
26. FURNISH AND INSTALL COMPOSITE IN-GRADE JUNCTION BOX. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN. SEE DETAIL SHEET E5.0.
27. 1.25" C-6#6+1#6 GRD. CONNECT SHELTER LIGHTING AND RECEPTACLES TO PANEL RP1. SHELTER LED FIXTURES CONTROLLED VIA INTEGRAL PHOTO CELL WITH MOTION SENSOR.
28. ELECTRICAL CONTRACTOR SHALL USE THE COLUMN(S)/STRUCTURE FOR THE SHELTER LIGHTING AND RECEPTACLE POWER FEED(S). COORDINATE CONDUIT PLACEMENT WITH ALL TRADES. PROVIDE SEALTIGHT RACEWAY THRU COLUMN UP TO JUNCTION BOX IN STRUCTURE FOR DISTRIBUTION TO LIGHT FIXTURES. COORDINATE OPENINGS IN COLUMN FOR SEAL TIGHT RACEWAY WITH SHELTER MANUFACTURER PRIOR TO INSTALLATION. COORDINATE ALL REQUIRED OPENINGS WITH SHELTER MANUFACTURER PRIOR TO FABRICATION.
29. NOT USED
30. FURNISH AND INSTALL ONE 1 1/2" UNDERGROUND PVC CONDUIT RACEWAY STUB 6" ABOVE FLOOR WITH PULL ROPE FROM ELECTRICAL/ STORAGE 109 (BANDSHELL) TO STORAGE 106 (SHELTER) FOR SONITROL SYSTEM. VERIFY EXACT STUB UP LOCATION AT EACH BUILDING LOCATION WITH LANDSCAPE ARCHITECT/ OWNER & EQUIPMENT SUPPLIER.
31. FURNISH AND INSTALL ONE 1 1/2" UNDERGROUND PVC CONDUIT RACEWAY STUB 6" ABOVE FLOOR WITH PULL ROPE FROM ELECTRICAL/ STORAGE 109 (BANDSHELL) TO CHASE WALL (TOILET) FOR SONITROL SYSTEM. VERIFY EXACT STUB UP LOCATION AT EACH BUILDING LOCATION WITH LANDSCAPE ARCHITECT/ OWNER & EQUIPMENT SUPPLIER.
32. FURNISH AND INSTALL ONE 1 1/2" UNDERGROUND PVC CONDUIT RACEWAY STUB 6" ABOVE FLOOR WITH PULL ROPE FROM ELECTRICAL/ STORAGE 109 (BANDSHELL) TO WP JUNCTION BOX AT ENTRANCE GATE FOR SONITROL SYSTEM. VERIFY EXACT STUB UP LOCATION AT BUILDING LOCATION AND GATE CONNECTION REQUIREMENTS WITH LANDSCAPE ARCHITECT/ OWNER & EQUIPMENT SUPPLIER.
33. REFERENCE TOILET, SHELTER AND BANDSHELL ELECTRICAL PLANS FOR ADDITIONAL SONITROL SYSTEM ELECTRICAL REQUIREMENTS.
34. FURNISH AND INSTALL ONE 3" CONDUIT STUBBED 6" ABOVE FLOOR WITH PULL ROPE TO PROPERTY LINE FOR DATA/PHONE SERVICE. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY.

GENERAL NOTES

- A. THIS DRAWING DOES NOT PURPORT TO SHOW ALL EXISTING LIGHT FIXTURES, RECEPTACLES, JUNCTION BOXES, SWITCHES, SPEAKERS, TELECOM, ETC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK. CONTRACTOR SHALL ALSO FIELD VERIFY ALL CONDUITS, CABLES, ETC. THAT ARE PASSING THROUGH THIS AREA AND SERVE ADJACENT AREAS THAT ARE REQUIRED TO REMAIN.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW WORK WITH EXISTING CONDITIONS.
- C. CONDUIT ROUTING IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES AND COORDINATE AS REQUIRED. PROTECT ALL EXISTING UTILITIES AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BEFORE BEGINNING WORK. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED BY CONTRACTOR TO OWNERS SATISFACTION.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT AND COORDINATING SITE INSPECTIONS THROUGH THE VILLAGE OF ALGONQUIN.
- E. VERIFY ALL LOCATIONS OF LIGHT FIXTURES, POLES WITH LANDSCAPE ARCHITECT/ OWNER PRIOR TO ROUGH-IN.
- F. ALL DAMAGED CONCRETE SIDEWALKS, ASPHALT, STAIRS, PAVERS, ETC., DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR.
- G. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT AND COORDINATING SITE INSPECTIONS THROUGH THE VILLAGE OF ALGONQUIN.
- I. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE VILLAGE OF ALGONQUIN CODE OF ORDINANCES REQUIREMENTS.
- J. LIGHTING AND POLE BASE INSTALLATION SHALL MEET THE VILLAGE OF ALGONQUIN CODE OF ORDINANCES REQUIREMENTS.
- K. SEE BANDSHELL, SHELTER/TOILET AND TOILET BUILDING DRAWINGS ETC. FOR ADDITIONAL WORK REQUIRED BY THE ELECTRICAL CONTRACTOR FOR EACH OF THE BUILDINGS. VERIFY MANUFACTURER, MODEL NUMBER, STYLE, COLOR, ACCESSORIES, OPTIONS, ETC. WITH ARCHITECT & G.C. PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION. COORDINATE LOCATION AND INSTALLATION WITH BUILDING SUPPLIER.
- L. ELECTRICAL CONTRACTOR SHALL PROVIDE SEAL TIGHT RACEWAY FOR ALL GAZEBO LIGHTING AND RECEPTACLES. CONDUIT/ SEAL TIGHT RACEWAY FOR LIGHTING AND RECEPTACLES SHALL BE CONCEALED IN GAZEBO STRUCTURE.
- M. ELECTRICAL CONTRACTOR SHALL COORDINATE ACCESS/CUTOUT LOCATIONS REQUIRED FOR RECEPTACLE, JUNCTION BOXES AND LIGHTING LOCATIONS WITH THE GAZEBO STRUCTURE MANUFACTURER AND LANDSCAPE ARCHITECT.

LEGEND

(X) DENOTES SHEET NOTE TAG



L:\HDG - Hitchcock Design Group\HDG074 - Towne Park - Algonquin_AutoCAD (Working Drawings)_HDG074 - E1.0 E2.0 SITE PLANS.dwg

Issue for Construction
May 7, 2024
REVISIONS


No	Date	Issue

CHECKED BY
MZ


DRAWN BY
RB

SHEET TITLE
Electrical Enlarged Site Plan

SCALE IN FEET
1" = 20'



NORTH



SHEET NUMBER

E2.0



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PREPARED FOR

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Algonquin, IL 60102

PROJECT

Towne Park

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SHEET NOTES (X)

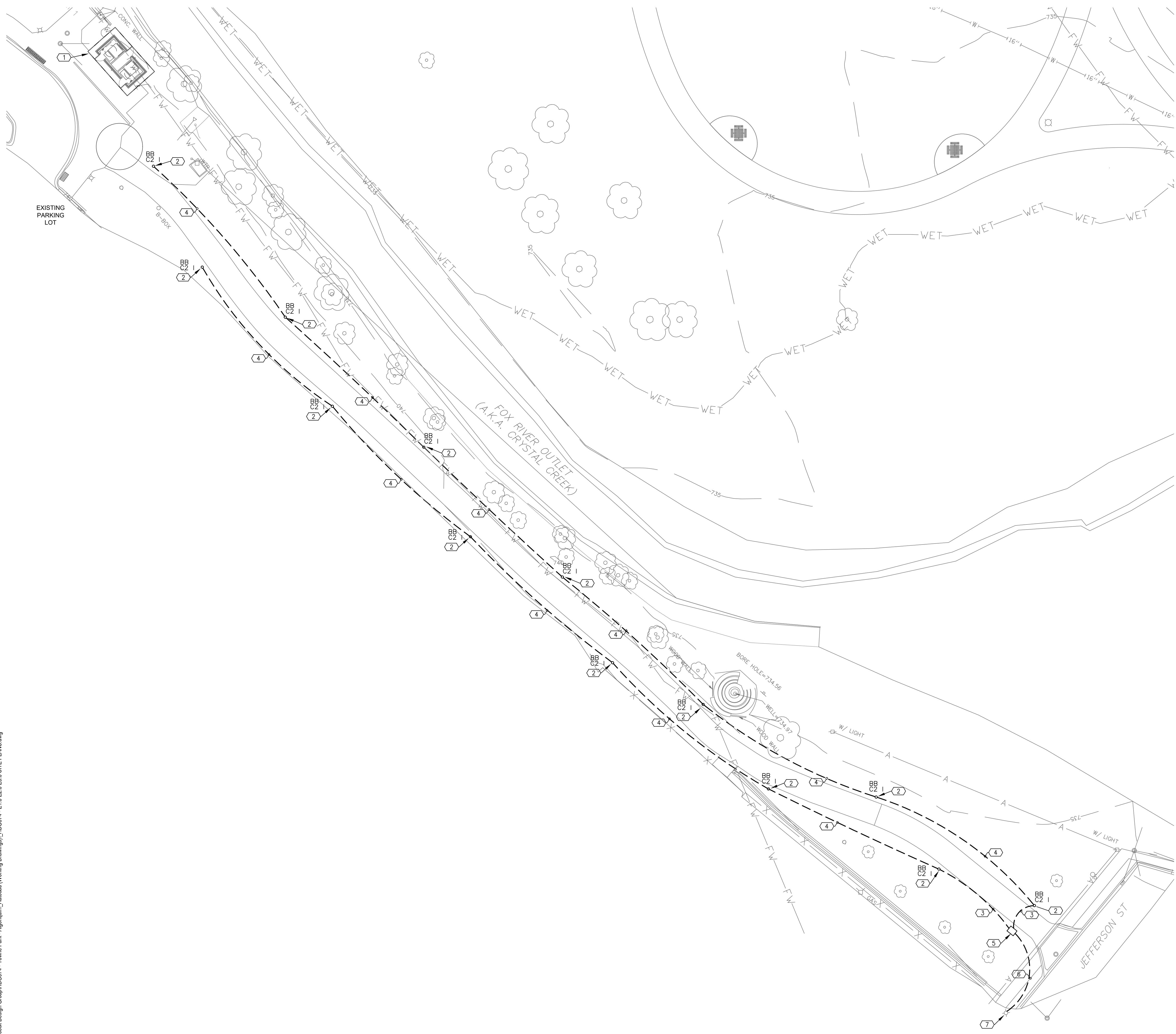
1. PROPOSED TOILETS.
2. FURNISH AND INSTALL LED BOLLARD FIXTURE. FURNISH AND INSTALL CONCRETE BASE. SEE DETAIL SHEET E3.0. VERIFY EXACT LOCATION WITH LANDSCAPE ARCHITECT/OWNER. LIGHTS CONTROLLED BY EXISTING PHOTO CELL AT CONTROLLER CABINET. (TYPICAL TYPE BB)
3. E.C. TO FURNISH AND INSTALL 1" C-2#6+1#6 GRD. E.C. TO MAKE CONNECTIONS AT COMPOSITE IN-GRADE JUNCTION BOX.
4. E.C. TO FURNISH AND INSTALL 1" C-2#6+1#6 GRD.
5. PROPOSED 11"x17" COMPOSITE IN-GRADE JUNCTION BOX TO BE INSTALLED BY OTHERS.
6. 2" HDPE NON-METALLIC CONDUIT AND ELECTRICAL CABLE BY OTHERS.
7. POWER FOR PATHWAY LIGHTING FROM EXISTING ROADWAY LIGHTING POLE. CONNECTION TO BE COMPLETED BY OTHERS.

GENERAL NOTES

- A. THIS DRAWING DOES NOT PURPORT TO SHOW ALL EXISTING LIGHT FIXTURES, RECEPTACLES, JUNCTION BOXES, SWITCHES, SPEAKERS, TELECOM, ETC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WORK. CONTRACTOR SHALL ALSO FIELD VERIFY ALL CONDUITS, CABLES, ETC. THAT ARE PASSING THROUGH THIS AREA AND SERVE ADJACENT AREAS THAT ARE REQUIRED TO REMAIN.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW WORK WITH EXISTING CONDITIONS.
- C. CONDUIT ROUTING IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND ADJUST AS REQUIRED.
- D. CONTRACTOR SHALL BE AWARE OF POSSIBLE CONFLICTS BETWEEN NEW AND EXISTING UTILITIES AND COORDINATE AS REQUIRED. PROTECT ALL EXISTING UTILITIES AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BEFORE BEGINNING WORK. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED BY CONTRACTOR TO OWNERS SATISFACTION.
- E. VERIFY ALL LOCATIONS OF LIGHT FIXTURES, POLES WITH LANDSCAPE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- F. ALL DAMAGED CONCRETE SIDEWALKS, ASPHALT, STAIRS, PAVERS, ETC., DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR.
- G. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT AND COORDINATING SITE INSPECTIONS THROUGH THE VILLAGE OF ALGONQUIN.
- I. ELECTRICAL SERVICE INSTALLATION SHALL MEET THE VILLAGE OF ALGONQUIN CODE OF ORDINANCES REQUIREMENTS.
- J. LIGHTING AND POLE BASE INSTALLATION SHALL MEET THE VILLAGE OF ALGONQUIN CODE OF ORDINANCES REQUIREMENTS.
- K. SEE BANDSHELL, SHELTER/TOILET AND TOILET BUILDING DRAWINGS ETC. FOR ADDITIONAL WORK REQUIRED BY THE ELECTRICAL CONTRACTOR FOR EACH OF THE BUILDINGS. VERIFY MANUFACTURER, MODEL NUMBER, STYLE, COLOR, ACCESSORIES, OPTIONS, ETC. WITH ARCHITECT & G.C. PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION. COORDINATE LOCATION AND INSTALLATION WITH BUILDING SUPPLIER.

LEGEND

(X) DENOTES SHEET NOTE TAG



L:\HDG - Hitchcock Design Group\HDG074 - Towne Park - Algonquin_AutoCAD (Working Drawings)_HDG074 - E1.0 E2.0 E3.0 SITE PLANS.dwg

Issue for Construction

May 7, 2024

REVISIONS

No	Date	Issue

CHECKED BY
MZ

DRAWN BY
RB

SHEET TITLE
**Electrical
Enlarged Site Plan
Pathway Lighting**

SCALE IN FEET
1" = 20'



NORTH SHEET NUMBER



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PREPARED FOR

Village of Algonquin

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

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Architect

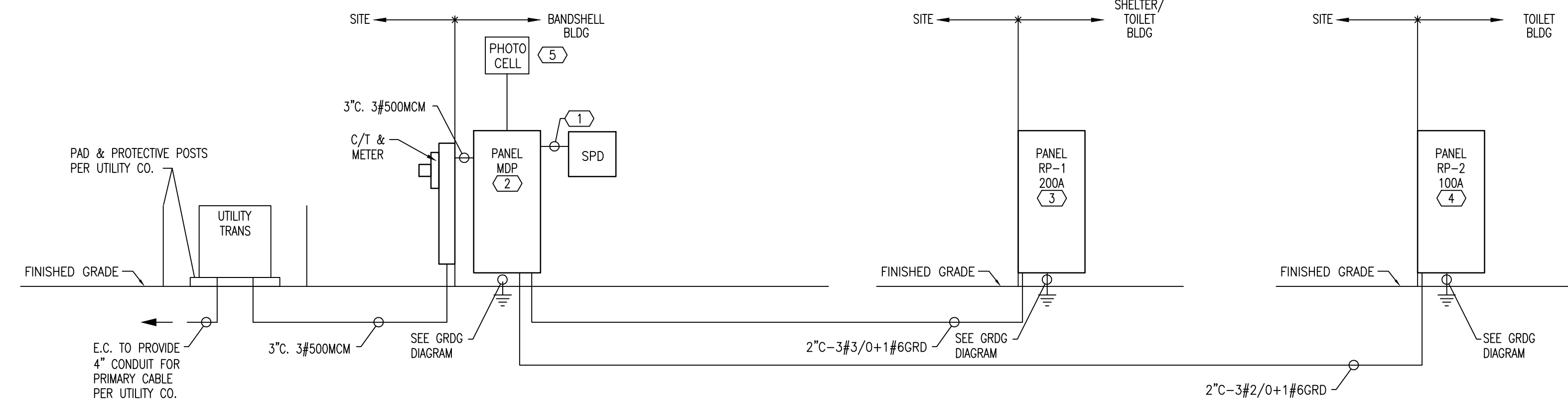
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SHEET NOTES

- FEEDER SIZE PER MANUFACTURERS REQUIREMENTS.
- BANDSHELL CIRCUITS AS NOTED PROVIDED UNDER MEP BANDSHELL BUILDING DRAWINGS. SEE BANDSHELL BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- PANEL RP-1 - PROVIDED UNDER MEP RESTROOM/SHELTER BUILDING DRAWINGS. SEE RESTROOM/SHELTER BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR INCLUDING PANELS, PANEL LOADS AND BREAKER SIZES.
- PANEL RP-2 - PROVIDED UNDER MEP RESTROOM/SHELTER BUILDING DRAWINGS. SEE RESTROOM/SHELTER BUILDING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR INCLUDING PANELS, PANEL LOADS AND BREAKER SIZES.
- LOCATE PHOTO-CELL UNDER ROOF OVERHANG ON WALL. VERIFY EXACT LOCATION IN FIELD.

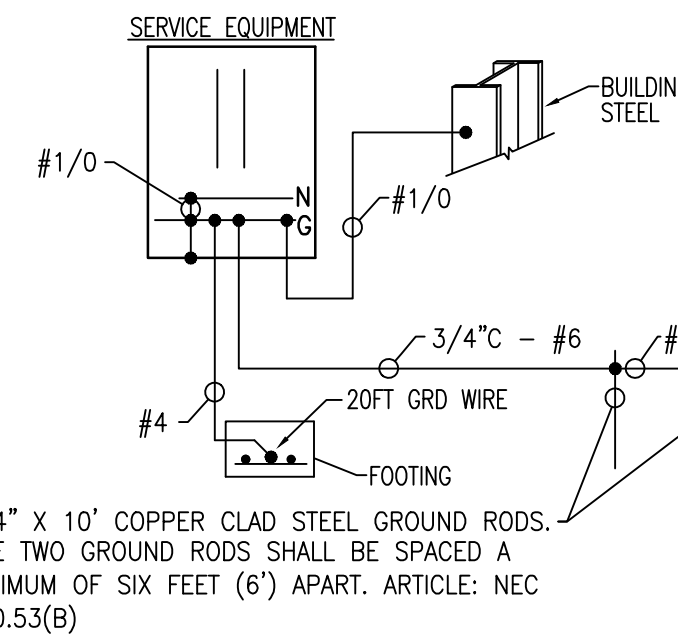
GENERAL NOTE:

- VERIFY INTERRUPTING RATING WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.



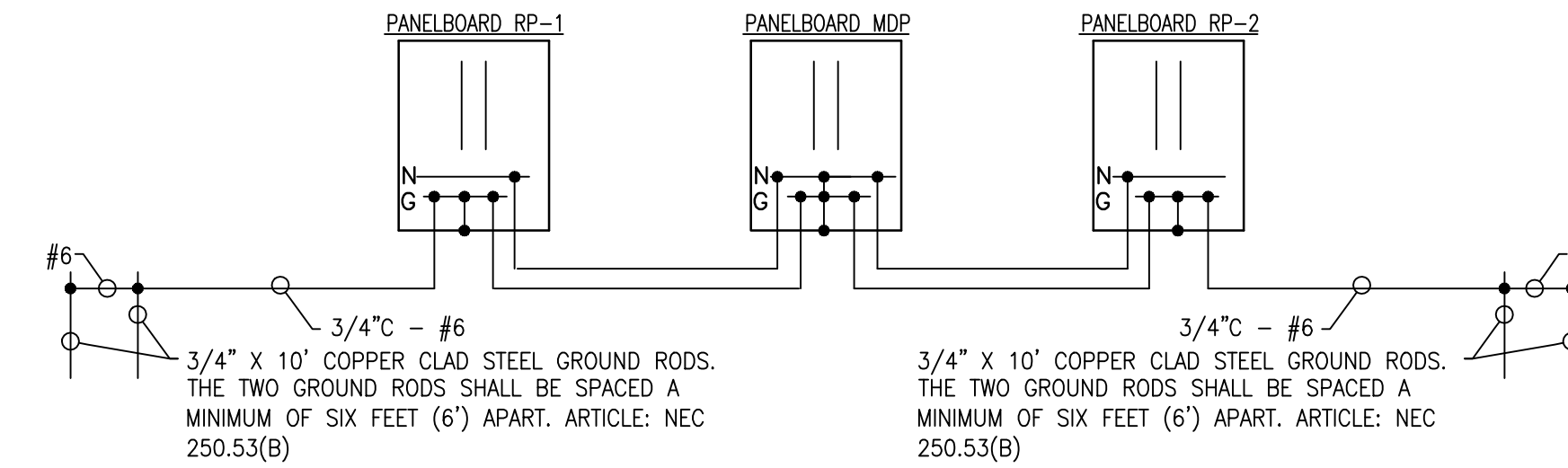
1 | RISER DIAGRAM

SCALE: NONE 120/240V, 1 PHASE, 3W



2 | GROUNDING DIAGRAM - PANEL MDP

SCALE: NONE



3 | GROUNDING DIAGRAM - PANELS RP-1 & RP-2

SCALE: NONE

PANELBOARD MDP			
VOLTAGE: 240/120V, 1 PHASE, 3 WIRE			
MAIN: 400A MCB			
22KAIC FULLY RATED			
MOUNTING: SURFACE			
FEEDER: SEE RISER DIAGRAM			
CKT NO.	LOAD DESCRIPTION	C/B	LOAD VA
			L1 L2
1	PANEL RP-1	200A/2P	15815
3			13344
5	PANEL RP2	100A/2P	6458
7			5112
9	LEFT STAGE RECEPTACLES	20A/1P	720
11	STORAGE 107 RECEPTACLES	20A/1P	900
13	CENTER STAGE RECEPTACLES	20A/1P	1080
15	RIGHT STAGE RECEPTACLES	20A/1P	720
17	ELEC/STOR 109 RECEPTACLES	20A/1P	900
19	INTERIOR BANDSHELL LIGHTING	20A/1P	142
21	EXTERIOR BANDSHELL LIGHTING	20A/1P	300
23	FIRE ALARM CONTROL PANEL	20A/1P	500
25	ELEC WALL HEATER	20A/2P	750
27			750
29	SPARE	20A/1P	-
31	SPARE	20A/1P	-
33	SPARE	20A/1P	-
35	SPARE	20A/1P	-
37	SPARE	20A/1P	-
39	SPARE	20A/1P	-
41	SPARE	20A/1P	-
2	PEDESTRIAN LIGHTING	20A/1P	495
4	ENTRANCE GATE	20A/2P	600
6			600
8	RECEPTACLE PEDESTRIAN POLE	20A/1P	360
10	RECEPTACLE PEDESTRIAN POLE	20A/1P	360
12	RECEPTACLE PEDESTRIAN POLE	20A/1P	180
14	SPARE	20A/1P	-
16	SPARE	20A/1P	-
18	SPARE	20A/1P	-
20	SPARE	20A/1P	-
22	SPARE	20A/1P	-
24	SPARE	20A/1P	-
26	SPARE	20A/1P	-
28	SPARE	20A/1P	-
30	SPARE	20A/1P	-
32	SPARE	20A/1P	-
34	SPARE	20A/1P	-
36	SPARE	20A/1P	-
38	SPARE	20A/1P	-
40	SPARE	20A/1P	-
42	SPARE	20A/1P	-
TOTALS PER PHASE			27478 22808
TOTAL KVA			50.1
MAX AMPS			229

* DENOTES LOAD TYPE PROVIDED UNDER MEP BANDSHELL DRAWINGS.

Issue for Construction
May 7, 2024
REVISIONS

No	Date	Issue

CHECKED BY: MZ DRAWN BY: RB

SHEET TITLE
Electrical Details

SCALE IN FEET

NORTH SHEET NUMBER

E4.0



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PREPARED FOR Village of Algonquin 2200 Hamish Dr. Algonquin, IL 60102

PROJECT Towne Park 100 Jefferson St. Algonquin, IL 60102

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Issue for Construction May 7, 2024 REVISIONS

Table with 3 columns: No, Date, Issue

CHECKED BY MZ DRAWN BY RB

SHEET TITLE Electrical Details

SCALE IN FEET

NORTH SHEET NUMBER E5.0

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Table for 520ILED BARRINGTON SERIES with columns: Model, Overall Height, LED, CCT, Type, Driver, Option Chain Lamp, Option Face, Option Protection, Option Receptacle, Finish.

Specifications section including General, Construction, LED's, Optics, Performance table, and Electronic Driver details.

TYPE "BB" 3 BOLLARD FIXTURE DETAIL. Includes drawing of bollard and notes: BASE TO SET ON UNDISTURBED SOIL, SET ALL FIXTURES TRUE & PLUMB, VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION, COMPACTABLE BACKFILL TO 95%, 3500 PSI 14 DAY STRENGTH CONCRETE, HOLE FOR BASE SHALL BE AUGERED, PLACE CONCRETE SAME DAY AS AUGER, DESIGNS BY STRUCTURAL ENGINEER SHALL BE FOLLOWED.

TYPE "BB" 4 BOLLARD BASE DETAIL. Includes cross-section drawing of bollard base and notes: CONDUITS STUBBED INTO POLE BASE, ANCHOR BOLTS W/2 NUTS EACH - LAYOUT AS REQ'D - USE POLE MFGR TEMPLATE, GROUT AFTER LEVELING, CHAMFER TOP 3/4" & RUB ENTIRE BASE SMOOTH, FIN. PAVING OR GRADE, CONDUIT ENTRANCE - SEE SITE ELECT. PLAN FOR QTY. ETC., POURED CONCRETE, REINFORCED CONC. BASE - 4-#6 BARS @ 7'-6" L & HOOKED 4" @ BOTTOM, 1/4" TIES @ 12" O.C. TIE BOLLARD ANCHOR BOLTS TO REINF., USE SONOTUBE FORM BELOW GRADE, GROUND ROD 3/4"x10'-0"L, VERIFY DIAMETER REQUIRED PRIOR TO INSTALLATION.

TYPE "BB" 4 BOLLARD BASE DETAIL. Includes notes: BASE TO SET ON UNDISTURBED SOIL, SET ALL FIXTURES TRUE & PLUMB, VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION, COMPACTABLE BACKFILL TO 95%, 3000 PSI 28 DAY STRENGTH CONCRETE, HOLE FOR BASE SHALL BE AUGERED, PLACE CONCRETE SAME DAY AS AUGER, DESIGNS BY STRUCTURAL ENGINEER SHALL BE FOLLOWED.

JUNCTION BOX DETAIL. Includes drawing of junction box with lid and notes: LID SHALL BE GASKETED, BOLTED AND HAVE THE FOLLOWING LOGOS 'LIGHTING', LID SHALL BE FLUSH WITH GRADE, 3/8-16 UNC STAINLESS STEEL HEX HEAD BOLT W/ WASHER (2), POLYMER CONCRETE HANDHOLE TYPE QUAZITE PG STYLE OR EQUAL (SIZE AS SHOWN ON PLANS), OPEN BOTTOM, 12" CRUSHED STONE FOR DRAIN, CONDUITS AS SHOWN ON PLANS TO EXTEND 2" ABOVE STONE BASE. NOTES: 1. ALL SPLICES SHALL BE WATERPROOF. SEE SPLICING DETAIL. 2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY. 3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SC17 'SPECIFICATIONS FOR UNDERGROUND ENCLOSURE INTEGRITY', AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTER UNDERGROUND COMMITTEE GUIDE 3.6.

Table with columns: Model, Lamp Type, Finish, Lamp Type, Voltage, Options, Accessories.

ELECTRIC CABLE SPLICE DETAIL. Includes drawing of cable splice and notes: HEAT-SHRINKABLE CAP WITH FACTORY APPLIED WATERPROOF SEALANT, (SIZED TO ACCOMMODATE NUMBER OF CABLES), TRIMMED CABLES, COMPRESSION TYPE COPPER SLEEVE (SIZED FOR ACTUAL NUMBER OF CABLES AND MFG. SUGGESTED CRIMP TOOL USED), SEALANT TAPE OR INSERT (AROUND AND THROUGH CROTCH SPACE), EXPOSED SEALANT, #10 AWG ELECTRIC CABLE TO LUMINAIRE, ELECTRIC BRANCH CABLE (SIZE AS NOTED ON CONTRACT DRAWINGS).

Table with columns: Model, Lamp Type, Finish, Lamp Type, Voltage, Options, Accessories.

TYPE "AA" 2 LIGHT BASE DETAIL. Includes cross-section drawing of light base and notes: POLE, GROUND FIXTURE TO CIRCUIT GROUND CONDUCTOR AND BOND #4 GROUND CONDUCTOR TO ANCHOR BOLTS, REINFORCING STEEL, BUSHINGS & POLE GROUND LUGS POLE BASE COVER, PACK GROUT UNDER BASE TO INSURE CONTACT WITH BASE-PROVIDE WEEP HOLES FINISHED GRADE OR SURFACE, ANCHOR BOLTS, TEMPLATE, SHIMS ETC. FURNISHED WITH POLE, MAINTAIN MINIMUM 3" CONCRETE COVER ON STEEL CIRCUIT OR HOMERUN CONDUIT, RE-BAR CAGE, #6#6 VERTICAL, W/ #3 TIES @ 12" o.c. TIE RE-BAR CAGE TO ANCHOR BOLTS, POURED IN PLACE CONCRETE BASE, VERIFY DIA., 28", 5'-0" MIN., 3/4" x 10'-0" COPPERWELD GROUND ROD, RUB ENTIRE EXPOSED BASE SMOOTH, BOND NO. 4 GROUND CONDUCTOR TO GROUND ROD.

TYPE "AA" 2 LIGHT BASE DETAIL. Includes notes: BASE TO SET ON UNDISTURBED SOIL, SET ALL FIXTURES TRUE & PLUMB, VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION, COMPACTABLE BACKFILL TO 95%, 3500 PSI 14 DAY STRENGTH CONCRETE, HOLE FOR BASE SHALL BE AUGERED, PLACE CONCRETE SAME DAY AS AUGER, DESIGNS BY STRUCTURAL ENGINEER SHALL BE FOLLOWED.

HANDHOLE WIRING DIAGRAM. Includes drawing of handhole wiring and notes: PHASE CONDUCTOR, GROUND CONDUCTOR, CONNECTOR KIT METHOD WITH A 5 AMP FUSE INSIDE A TWO POLE FUSE HOLDER AND INSULATING BOOTS, NO. 10 A.W.G. WIRE, MULTIPLE COMPRESSION FITTINGS (SPLICE), POLE FOUNDATION, WIRE AS SHOWN ON PLANS, CABLES IN DUCT AS SHOWN ON PLANS, POLE GROUND LUG, #6 SOLID GROUND WIRE CONNECTED TO METAL POLE FOUNDATION, 3/4" GALV. HEX BOLT & LOCKWASHER WITH COMPRESSION TERMINAL FOR GROUND WIRE CONNECTION TO METAL POLE FOUNDATION.

Table with columns: Model, Lamp Type, Finish, Lamp Type, Voltage, Options, Accessories.

TYPE "AA" 1 LIGHT FIXTURE DETAIL. Includes drawing of light fixture and notes: 18" DIA. BC, DIAGONAL PATTERN (4) 3/4" X 18" BOLTS, 7 PIN ROTOLock PHOTOCELL RECEPTACLE WITH SHORTING CAP, ACRYLIC ACCORN STAINLESS LIGHTING - OLD TOWN FIXTURE #PTA8505RED-SP-12L30T3-MOL008-A-BK DRIVER COMPARTMENT, LOW PROFILE DUPLEX 2PI RECEPTACLE WITH IN USE COVER COVER TO BE PAINTED TO MATCH POLE FINISH, 6" TO 3 1/2" DIA. CAST ALUMINUM TAPERED FLUTED POLE, POLE WELDED FOR SINGLE UNIT CONSTRUCTION, ACCESS DOOR, 20" DIA. CAST ALUMINUM BASE, 1" FLOOR THICKNESS FOUR ANCHOR BOLTS.

TYPE "AA" 1 LIGHT FIXTURE DETAIL. Includes notes: BASE TO SET ON UNDISTURBED SOIL, SET ALL FIXTURES TRUE & PLUMB, VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION, COMPACTABLE BACKFILL TO 95%, 3500 PSI 14 DAY STRENGTH CONCRETE, HOLE FOR BASE SHALL BE AUGERED, PLACE CONCRETE SAME DAY AS AUGER, DESIGNS BY STRUCTURAL ENGINEER SHALL BE FOLLOWED.

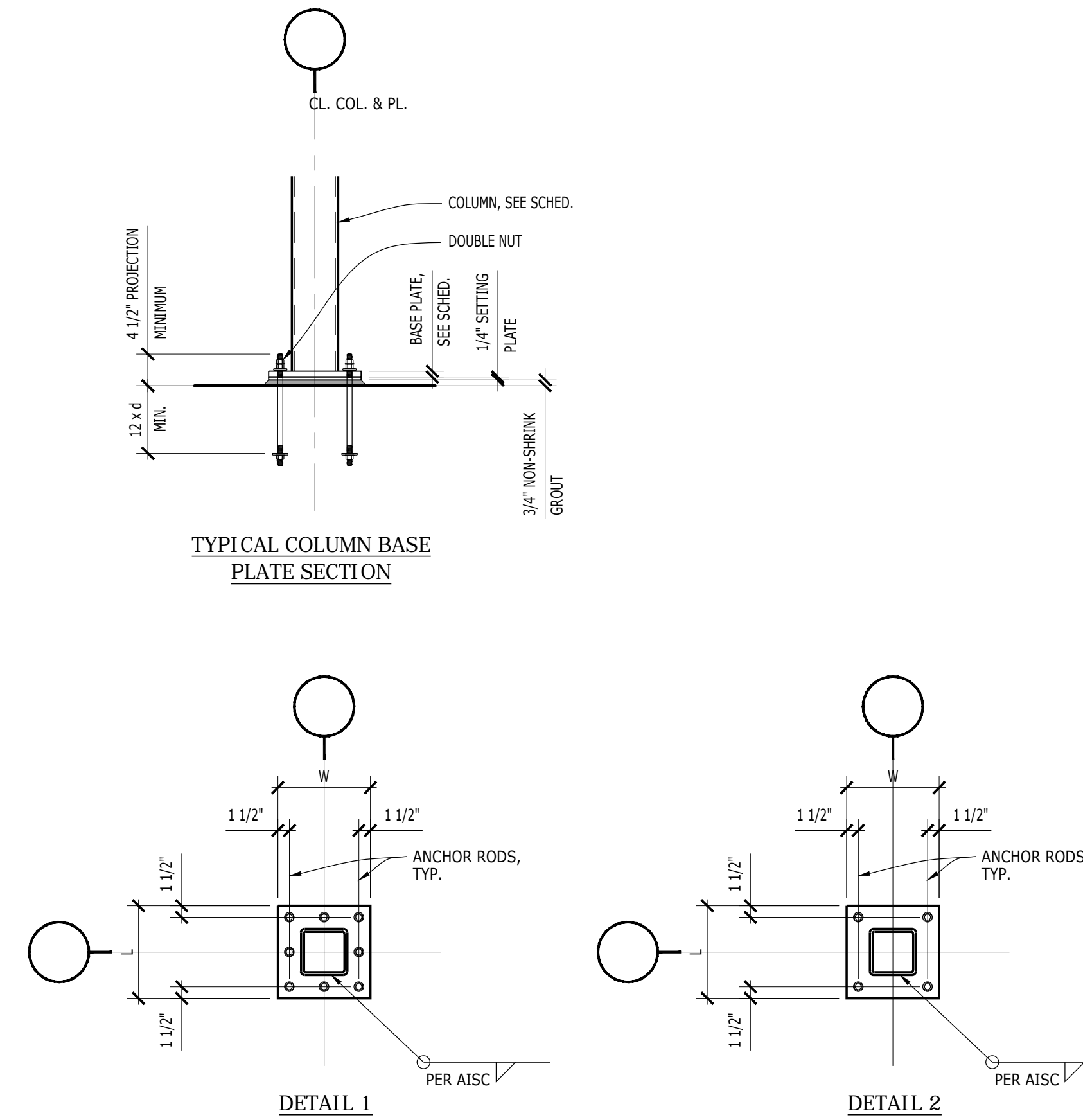
HERCULUX LIGHT FIXTURE DETAILS. Includes product information, specifications, performance table, and drawings for TYPE "CC" 5 LIGHT FIXTURE DETAIL. Notes: HERCULUX H1212 SERIES - DEEP PROFILE HOUSING, PRODUCT FEATURES: Surface mount - wall (H1212DF), ceiling or wall (H1212F); nominal 12" Wx12" Hx7" D; Heavy die cast aluminum housing; UV stabilized, injection molded polycarbonate lens; Stainless steel form features. SPECIFICATIONS: HOUSING: One piece wrought die-cast, low copper aluminum housing. Housing flange interlocks around lens producing maximum moisture deflection and resistance to prying. Housing provided with four standard mounting holes. One 3/8" Ø tapped hole in back of housing. Standard housing is dark bronze T52 polyester powder coat - 5 year pin finish. H1212DF Two 3/4" Ø tapped and plugged holes on top and bottom of housing - see Cross Section Detail. H1212F Two 3/4" Ø tapped and plugged holes on sides of housing - see Cross Section Detail. REFLECTOR: High reflectance painted aluminum. LENS: One piece wrought lens (3/4" standard, high impact, single injection molded polycarbonate). Smooth exterior, prismatic interior. Nominal thickness 0.125". EYELET: High impact resistant, UV stabilized injection molded opaque dark bronze polycarbonate. See Ordering Information for optional finishes to match housing. GASKET: One piece closed cell neoprene gasket with die-cast housing to mounting surface. Reflector insert into housing and sealed to integral ledge with one 1/2" ring closed cell silicone gasket. HARDWARE: Four captive stainless steel form T-20 with center pin fasteners secure reflector/yield to housing. Shoulder fastener design and washer prevent tensile/yield stress due to over torquing. ELECTRICAL: Available in 3500K, 4000K, and 5000K color temperatures, 80 CRI, 120-277VAC or 347VAC, 50/60Hz electrical input with high power factor electronic, constant current driver (0-90 F). Standard 15:10V dimming with 1-100% range, maximum driver output 0.300 A. Optional embedded microcove motion sensor (MS) has factory default settings of 10 minute time out, dims down to 30%. SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, click here. INSTALLATION: Standard four-point mounting required for Phase of Mind Guarantee. PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILLUMINANCE accredited laboratory. For additional photometric data, please go to www.kennel.com. WARRANTY: Limited five (5) year LED warranty. Phase of Mind Guarantee against leakage. LISTINGS: Luminaires is certified to UL Standard by Intertek Testing Laboratory for Wet Location.

Table with columns: Model, Lamp Type, Finish, Lamp Type, Voltage, Options, Accessories.

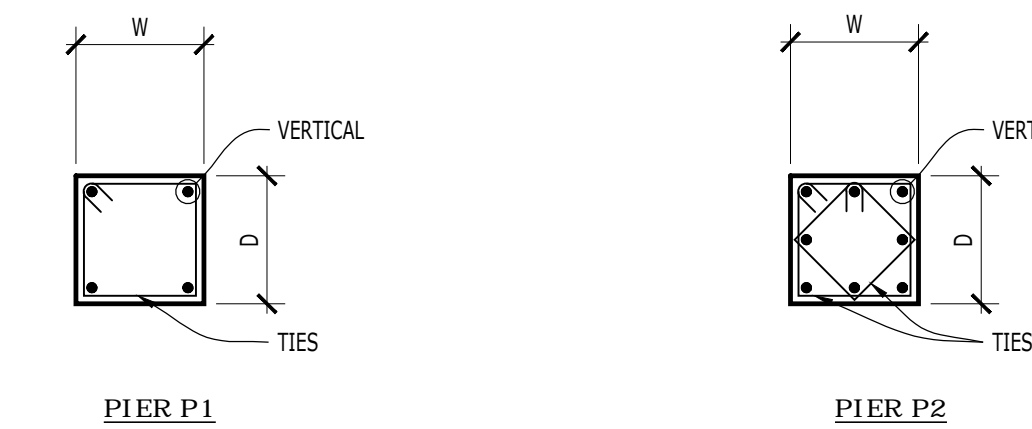
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COLUMN MARK	C1	C2	C3	
CAP PLATE	1-1/2"	1"	3/4"	
BANDSHELL ROOF LEVEL				
SHELTER ROOF LEVEL				
B/BASE PLATE				
BASE PLATE (t x W x L)	PL. 1-3/4"x18"x18"	PL. 3/4"x14"x14"	PL. 3/4"x11"x11"	
ANCHOR RODS	(8)-1"Ø F1554-36	(4)-1"Ø F1554-36	(4)-3/4"Ø F1554-36	
BASE PLATE DETAIL	1	1	2	

1 COLUMNS SCHEDULE
S-011 NTS

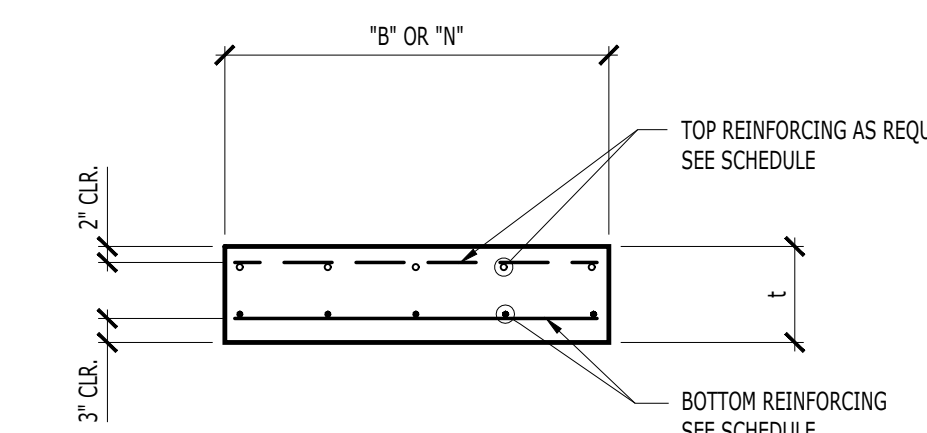


PIER MARK	PIER WIDTH	PIER LENGTH	VERTICAL REINFORCING	REINFORCING TIES	REMARKS
P1	16"	16"	4-#5	#3 @ 12" O.C.	T/ PIER EL.(-)1'-0"
P2	24"	24"	8-#6	#3 @ 12" O.C.	SEE PLAN



2 CONCRETE PIER SCHEDULE
S-011 NTS

FOOTING MARK	FOOTING SIZE (t x B x N)	REINFORCING EACH WAY BOTTOM, U.N.	REMARKS
F4.0	4'-0"x4'-0"x1'-0"	5-#5	
F6.0	6'-0"x6'-0"x1'-2"	7-#6	
F7.0	7'-0"x7'-0"x1'-5"	8-#6	

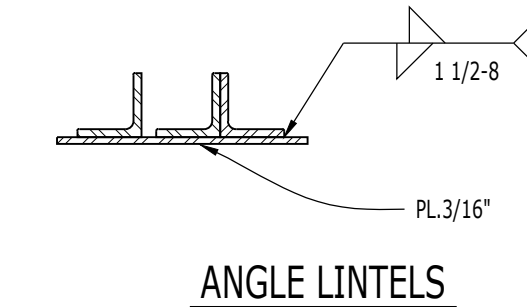
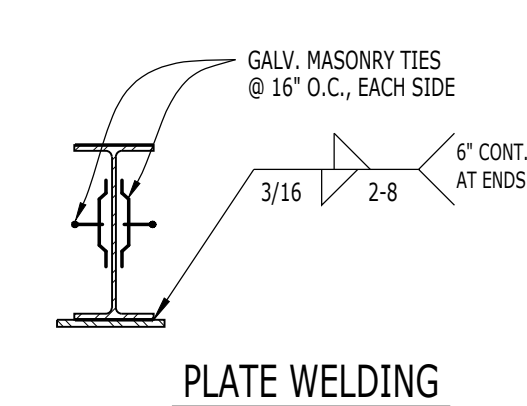


3 FOOTING SCHEDULE
S-011 NTS

LINTEL MARK	WALL TYPE	LINTEL SHAPE	LINTEL SIZE	END BEARING	REMARKS
L1	4" BRICK + 8" CMU		(3) L3 1/2x3 1/2x5/16 + PL. 5/16"	8", EACH END	
L2	6" CMU		6"x16" LINTEL BEAM W/ 2-#5	8", EACH END	
L3	8" CMU		8"x16" LINTEL BEAM W/ 2-#5	8", EACH END	

4 LINTEL SCHEDULE
S-011 NTS

NOTE: PROVIDE LINTELS AS SPECIFIED PER LINTEL SCHEDULE. WHERE LINTELS ARE NOT SPECIFIED, SELECT LINTEL FROM SCHEDULE WHICH IS MOST APPROPRIATE FOR CASE INVOLVED. EXTEND LINTELS PAST BRICK AND CAVITY & BEAR COMPLETELY ON CMU. ALL LINTELS IN EXTERIOR CONSTRUCTION SHALL BE HOT-DIP GALVANIZED



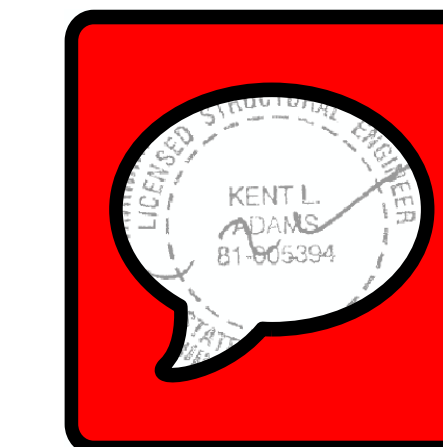
PREPARED FOR
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Algonquin, IL 60102

PROJECT
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100 Jefferson St.
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SHEET TITLE
STRUCTURAL SCHEDULES AND DETAILS

SCALE

SHEET NUMBER
S-011



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Table with 3 columns: No, Date, Issue. Entry: 05/07/24 ISSUE FOR CONSTRUCTION

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SHEET TITLE: FOUNDATION PLANS AND DETAILS

SCALE

SHEET NUMBER

S-111

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DRAWING S-111 GENERAL NOTES:

Table with 2 columns: Symbol and Description. Symbols: C3/P2, F7, (-)X'-X. Descriptions: INDICATES COLUMN MARK / PIER MARK, SEE 1 & 2 / S-011; INDICATES FOOTING MARK, SEE 3 / S-011; INDICATES TOP OF FOOTING ELEVATION BELOW FINISH GRADE, SEE CIVIL SHEETS FOR GRADING PLAN.

DRAWING S-111 LEGEND:

Legend table with 2 columns: Symbol and Description. Symbols: Hatched box, Solid box, SW7. Descriptions: INDICATES TOP OF FOUNDATION WALL TO BE DEPRESSED, SEE APPLICABLE SECTION; INDICATES EXTENT OF SHEAR WALL / BRACED BAY; INDICATES CMU SHEAR WALL, SEE SCHEDULE ON

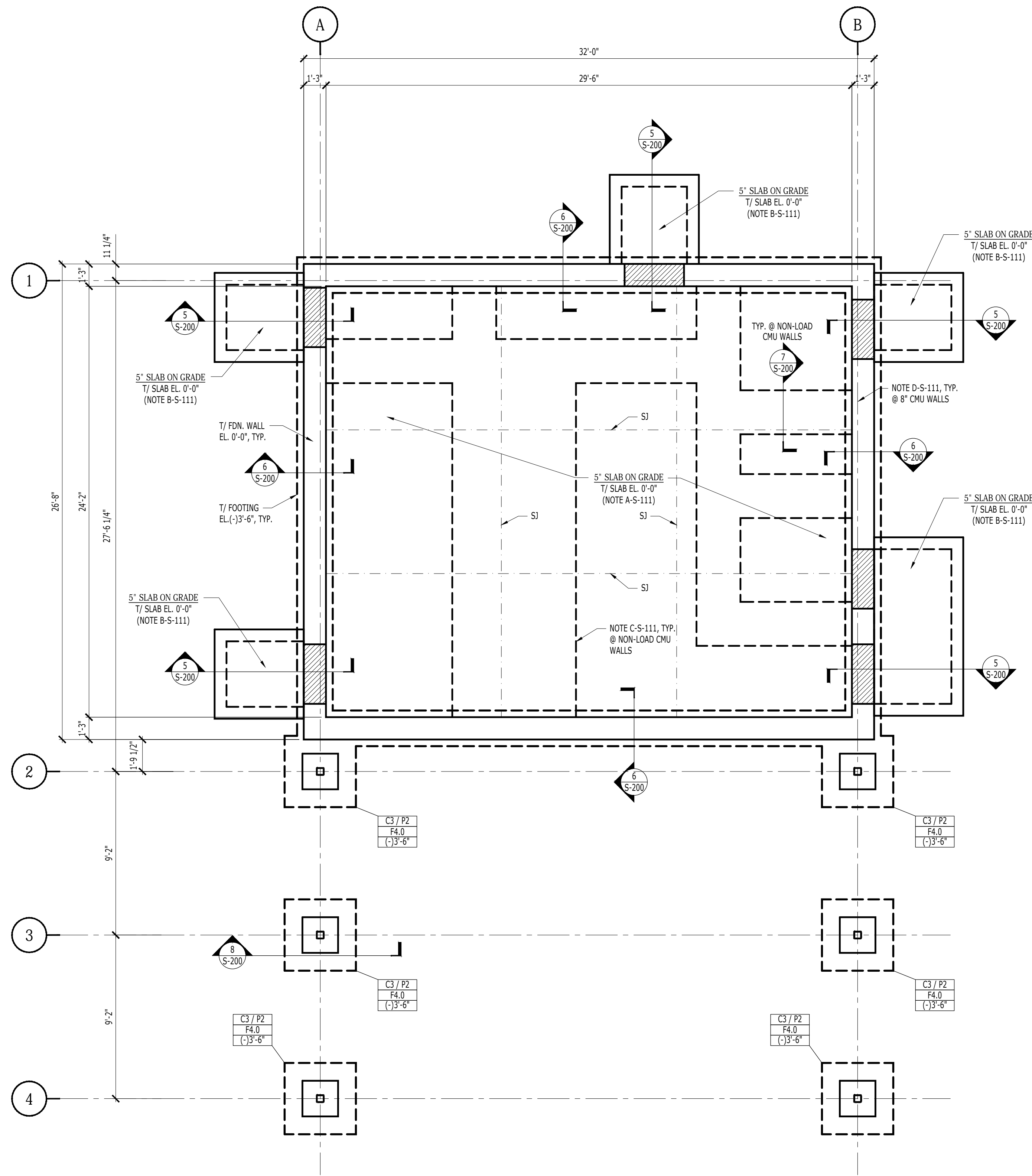
DRAWING S-111 KEYNOTES:

A-S-111: PROVIDE 5" SLAB ON GRADE REINFORCED WITH 6x6-W2.9xW2.9 WELDED WIRE FABRIC LOCATED IN TOP 1/3 OF SLAB DEPTH WITH 3/4" MINIMUM COVER. PLACE SLAB ON VAPOR BARRIER OVER 6" OF COMPACTED GRANULAR FILL. SLOPE SLAB TO FLOOR DRAINS. SEE ARCHITECTURAL AND PLUMBING SHEETS FOR DRAIN LOCATIONS AND SLOPE.

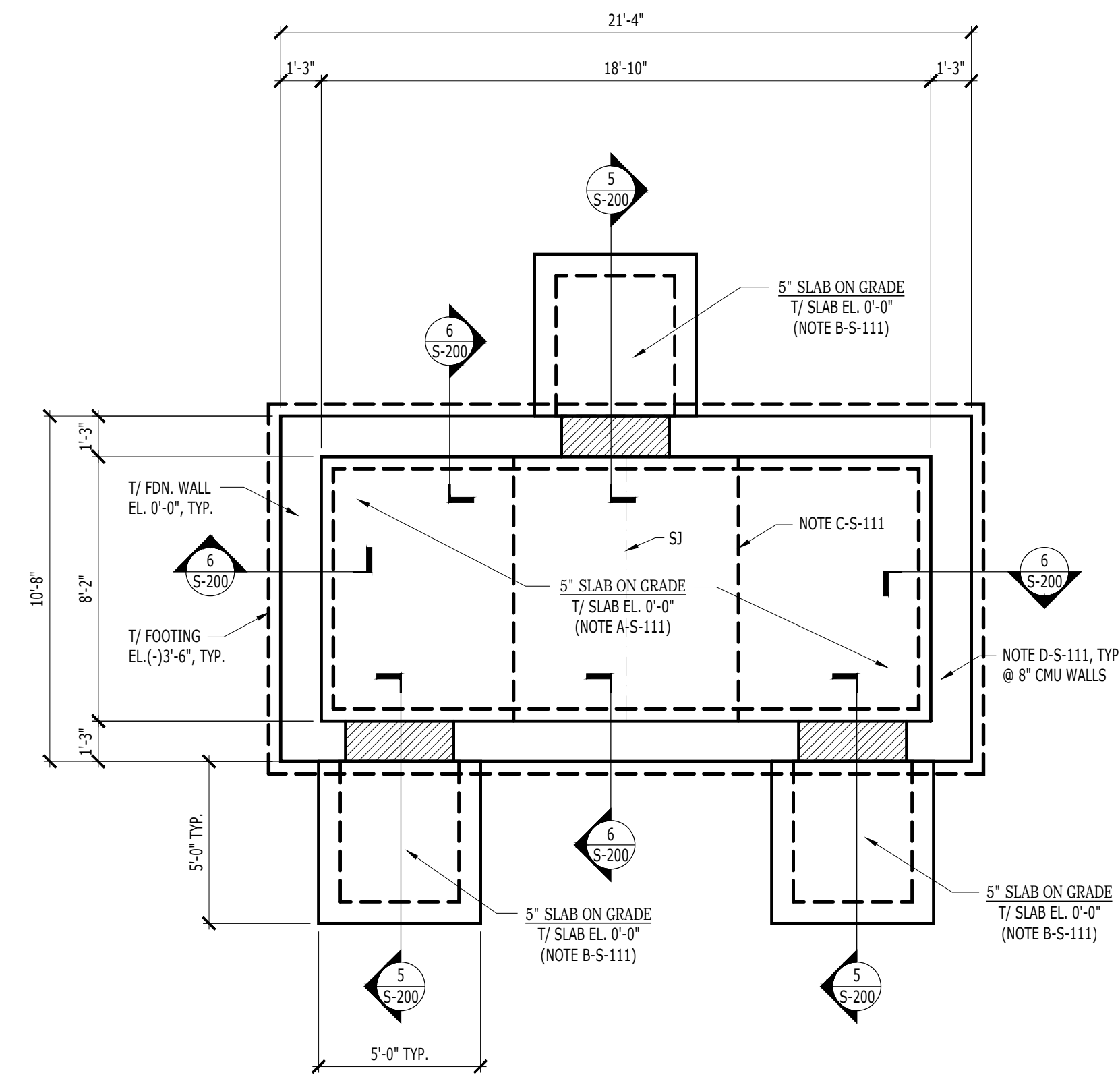
B-S-111: PROVIDE 5" SLAB ON GRADE REINFORCED WITH 6x6-W2.9xW2.9 WELDED WIRE FABRIC LOCATED IN TOP 1/3 OF SLAB DEPTH WITH 3/4" MINIMUM COVER. PLACE SLAB OVER 6" OF COMPACTED GRANULAR FILL. SLOPE SLAB TO DRAIN AWAY FROM BUILDING PER ARCHITECTURAL SHEETS.

C-S-111: PROVIDE 10" THICKENED SLAB UNDER AREA OF NON-LOAD BEARING CMU WALLS, SEE 7 / S-200. REINFORCE WITH 3-#5 BOTTOM BARS. CONTINUE FLOOR REINFORCING THROUGH THICKENED SLAB. COORDINATE WITH ARCHITECTURAL SHEETS FOR EXACT CMU WALL LOCATIONS.

D-S-111: PROVIDE #5 @ 48" O.C. 8" CMU WALL REINFORCING, FULL HEIGHT OF WALL IN GROUDED CELLS. PROVIDE MATCHING DOWELS IN FOUNDATION WALL. PROVIDE ADDITIONAL 2-#5 CMU REINFORCING, FULL HEIGHT OF WALL IN GROUDED CELLS IN CORNERS, ALL EDGES OF OPENINGS, AND EACH SIDE OF CONTROL JOINTS. PROVIDE MATCHING DOWELS FROM FOUNDATION WALL. COORDINATE WITH ARCHITECTURAL SHEETS FOR WALL EDGES AND JOINT LOCATIONS.



FOUNDATION PLAN - SHELTER BUILDING 1/4"=1'-0"



FOUNDATION PLAN - BATHROOM BUILDING 1/4"=1'-0"



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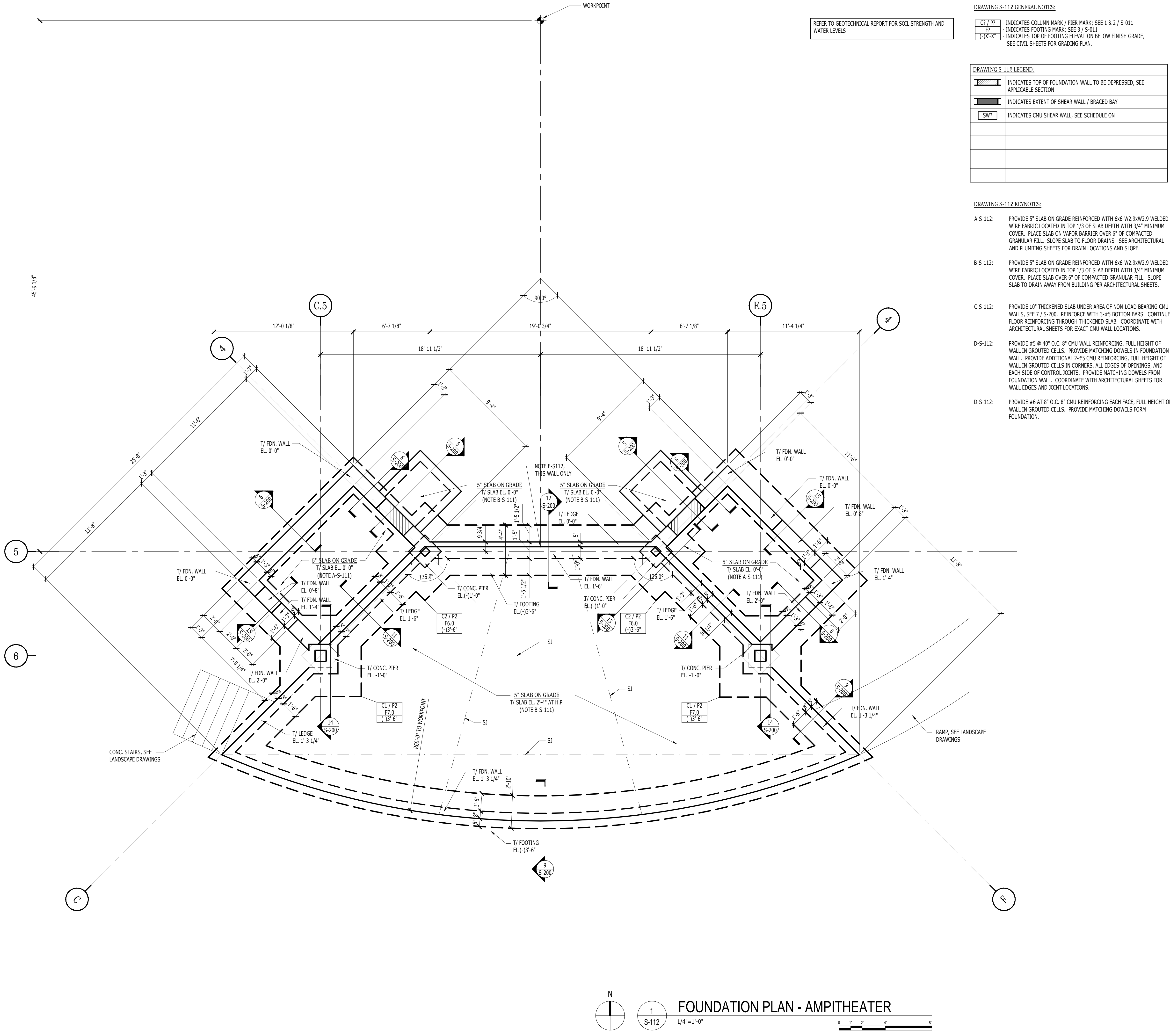
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SHEET TITLE
FOUNDATION PLAN AND DETAILS

SCALE

SHEET NUMBER
S-112



REFER TO GEOTECHNICAL REPORT FOR SOIL STRENGTH AND WATER LEVELS

DRAWING S-112 GENERAL NOTES:

- C2 / P2 - INDICATES COLUMN MARK / PIER MARK; SEE 1 & 2 / S-011
- F7 - INDICATES FOOTING MARK; SEE 3 / S-011
- (-)X'-X" - INDICATES TOP OF FOOTING ELEVATION BELOW FINISH GRADE, SEE CIVIL SHEETS FOR GRADING PLAN.

DRAWING S-112 LEGEND:

[Hatched pattern]	INDICATES TOP OF FOUNDATION WALL TO BE DEPRESSED, SEE APPLICABLE SECTION
[Dashed line]	INDICATES EXTENT OF SHEAR WALL / BRACED BAY
[SW7 symbol]	INDICATES CMU SHEAR WALL, SEE SCHEDULE ON

DRAWING S-112 KEYNOTES:

- A-5-112: PROVIDE 5" SLAB ON GRADE REINFORCED WITH 6#6-W2.9W2.9 WELDED WIRE FABRIC LOCATED IN TOP 1/3 OF SLAB DEPTH WITH 3/4" MINIMUM COVER. PLACE SLAB ON VAPOR BARRIER OVER 6" OF COMPACTED GRANULAR FILL. SLOPE SLAB TO FLOOR DRAINS. SEE ARCHITECTURAL AND PLUMBING SHEETS FOR DRAIN LOCATIONS AND SLOPE.
- B-5-112: PROVIDE 5" SLAB ON GRADE REINFORCED WITH 6#6-W2.9W2.9 WELDED WIRE FABRIC LOCATED IN TOP 1/3 OF SLAB DEPTH WITH 3/4" MINIMUM COVER. PLACE SLAB OVER 6" OF COMPACTED GRANULAR FILL. SLOPE SLAB TO DRAIN AWAY FROM BUILDING PER ARCHITECTURAL SHEETS.
- C-5-112: PROVIDE 10" THICKENED SLAB UNDER AREA OF NON-LOAD BEARING CMU WALLS, SEE 7 / S-200. REINFORCE WITH 3-#5 BOTTOM BARS. CONTINUE FLOOR REINFORCING THROUGH THICKENED SLAB. COORDINATE WITH ARCHITECTURAL SHEETS FOR EXACT CMU WALL LOCATIONS.
- D-5-112: PROVIDE #5 @ 40" O.C. 8" CMU WALL REINFORCING, FULL HEIGHT OF WALL IN GROUDED CELLS. PROVIDE MATCHING DOWELS IN FOUNDATION WALL. PROVIDE ADDITIONAL 2-#5 CMU REINFORCING, FULL HEIGHT OF WALL IN GROUDED CELLS IN CORNERS, ALL EDGES OF OPENINGS, AND EACH SIDE OF CONTROL JOINTS. PROVIDE MATCHING DOWELS FROM FOUNDATION WALL. COORDINATE WITH ARCHITECTURAL SHEETS FOR WALL EDGES AND JOINT LOCATIONS.
- D-5-112: PROVIDE #6 AT 8" O.C. 8" CMU REINFORCING EACH FACE, FULL HEIGHT OF WALL IN GROUDED CELLS. PROVIDE MATCHING DOWELS FORM FOUNDATION.

N
1
S-112 1/4"=1'-0"
FOUNDATION PLAN - AMPITHEATER
0 1 2 4 6



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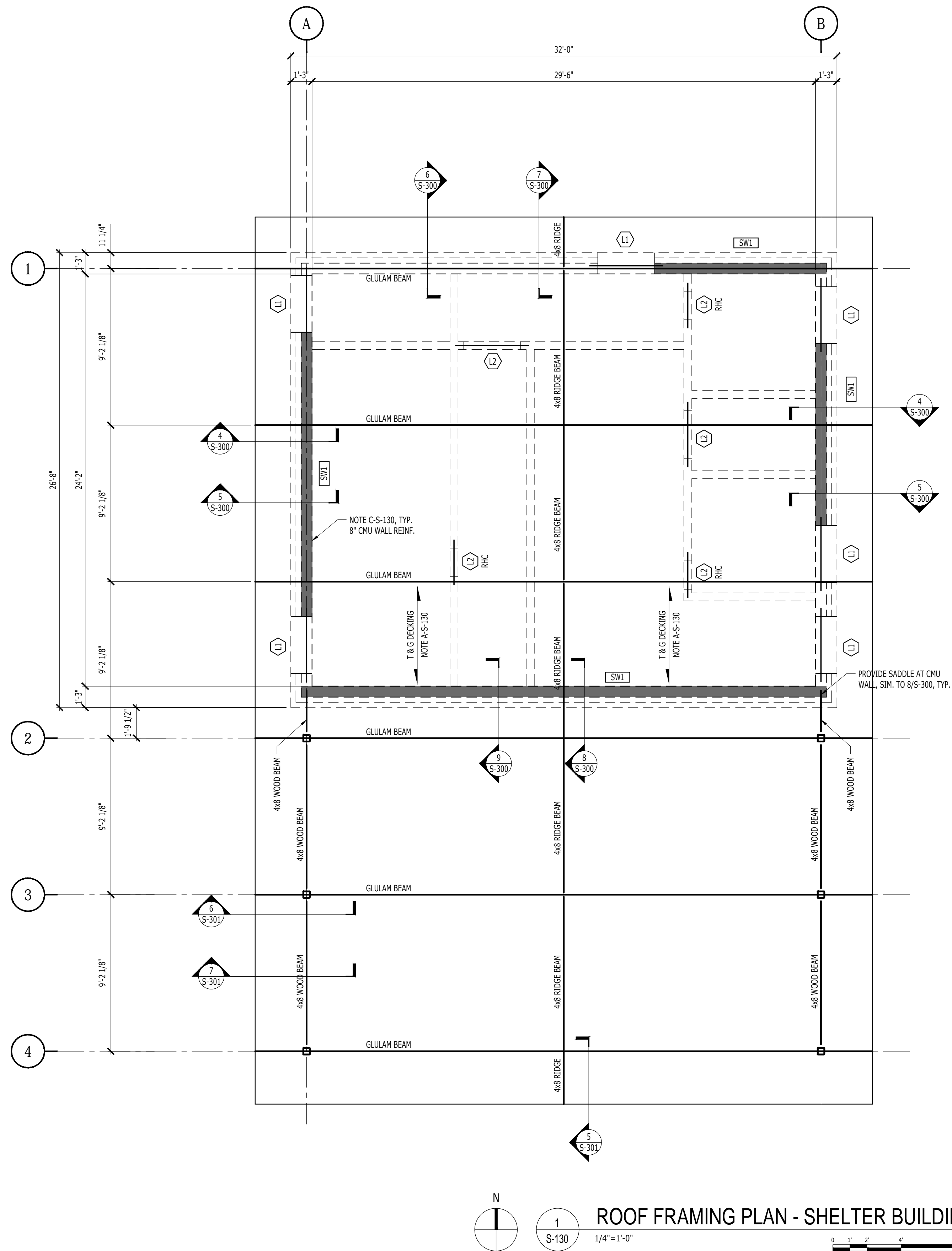
DRAWING S-130 GENERAL NOTES:

DRAWING S-130 LEGEND:

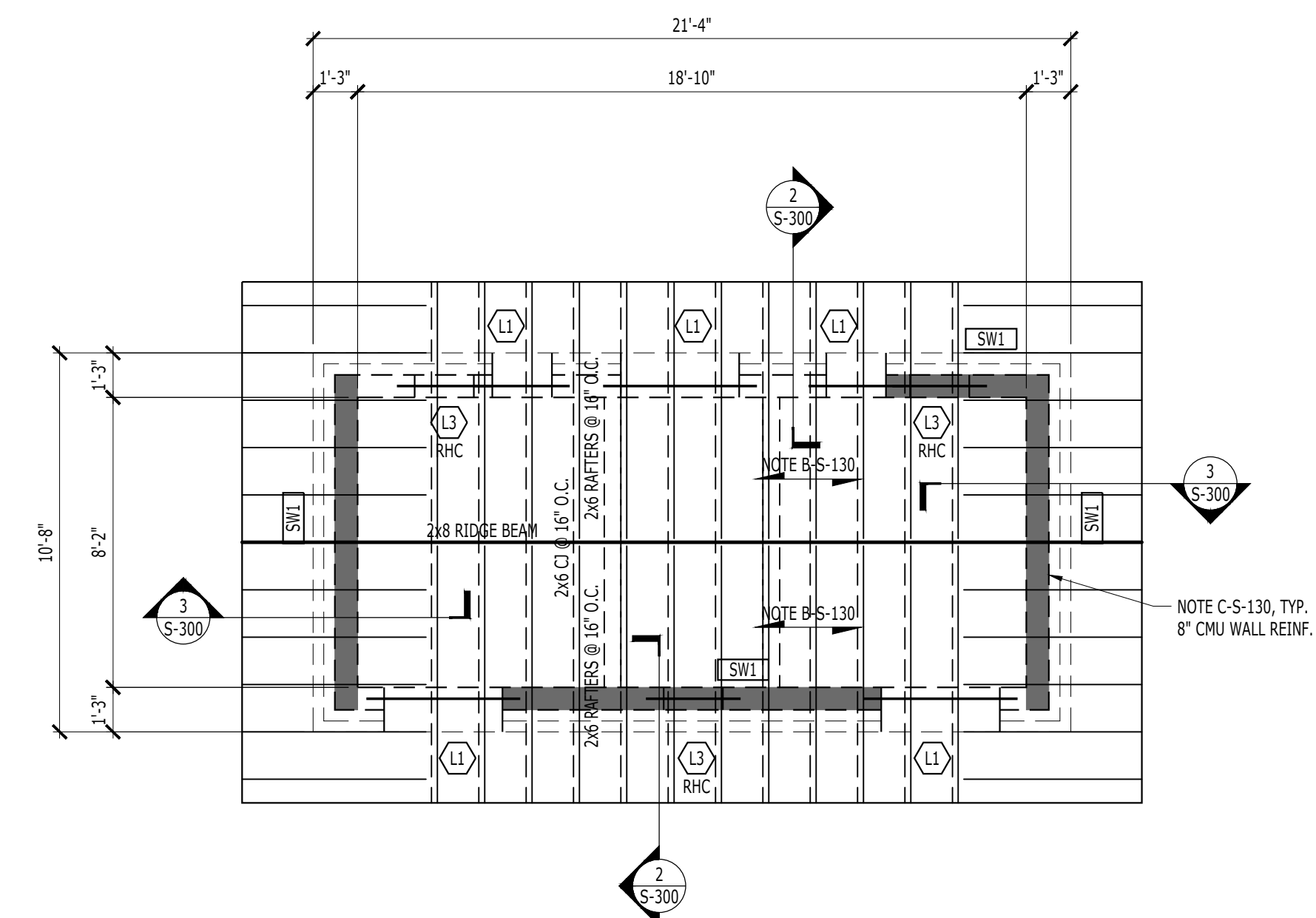
SW7	INDICATES CMU SHEAR WALL, SEE SCHEDULE ON S0.11
[Solid Line]	INDICATES EXTENT OF SHEAR WALL / BRACED BAY
BP7	INDICATES BEARING PLATE MARK, SEE SCHEDULE ON S0.11
LI	INDICATES LINTEL MARK, SEE SCHEDULE ON S0.11
RHC	INDICATES RECESSED HEATER CABINET, SEE MECHANICAL SHEETS FOR SIZE AND LOCATIONS

DRAWING S-130 KEYNOTES:

- A-S-130: PROVIDE 3x6 TONGUE & GROOVED DOUG-FIR SELECT STRUCTURAL DECK LAID 3 SPANS CONTINUOUS IN A RANDOM PATTERN FOR SPANS SHOWN. TOTAL DEFLECTION SHALL NOT EXCEED L/240. PLACE 1/2" EXTERIOR PLYWOOD SHEATHING OVER DECKING. NAIL PLYWOOD TO DECKING WITH 10d NAILS @ 12" O.C.
- B-S-130: PROVIDE 3/4" EXTERIOR APA SPAN RATED PLYWOOD FLOOR SHEATHING. NAIL WITH 8d NAILS @ 6" O.C. AT EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.



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



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

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ROOF FRAMING PLANS AND DETAILS

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S-130

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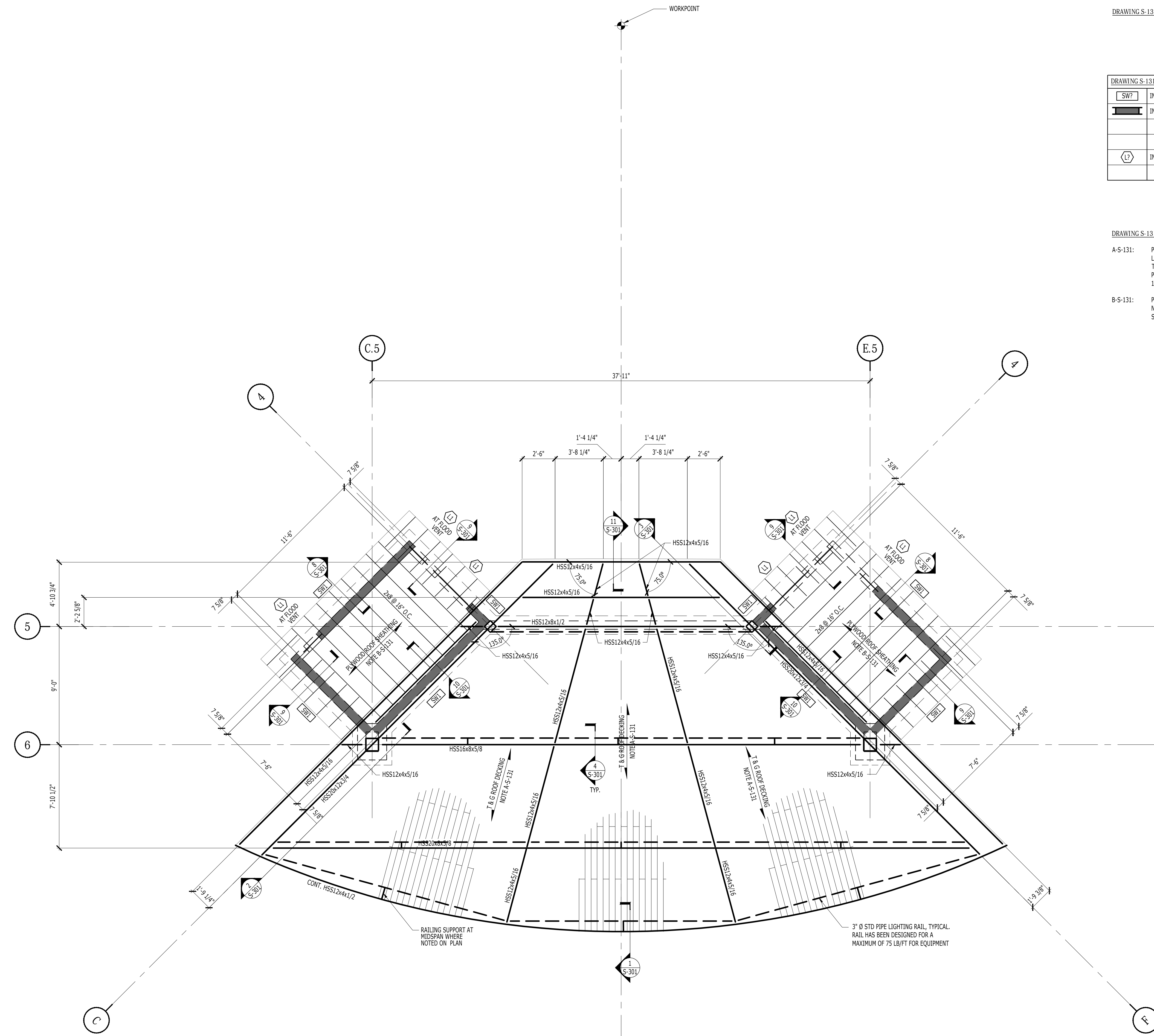
DRAWING S-131 GENERAL NOTES:

DRAWING S-131 LEGEND:

	INDICATES CMU SHEAR WALL, SEE SCHEDULE ON S0.11
	INDICATES EXTENT OF SHEAR WALL / BRACED BAY
	INDICATES LINTEL MARK, SEE SCHEDULE ON S0.11

DRAWING S-131 KEYNOTES:

- A-S-131: PROVIDE 3x6 TONGUE & GROOVED DOUG-FIR SELECT STRUCTURAL DECK LAID 3 SPANS CONTINUOUS IN A RANDOM PATTERN FOR SPANS SHOWN. TOTAL DEFLECTION SHALL NOT EXCEED L/240. PLACE 1/2" EXTERIOR PLYWOOD SHEATHING OVER DECKING. NAIL PLYWOOD TO DECKING WITH 10d NAILS @ 12" O.C.
- B-S-131: PROVIDE 3/4" EXTERIOR APA SPAN RATED PLYWOOD FLOOR SHEATHING. NAIL WITH 8d NAILS @ 6" O.C. AT EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.



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

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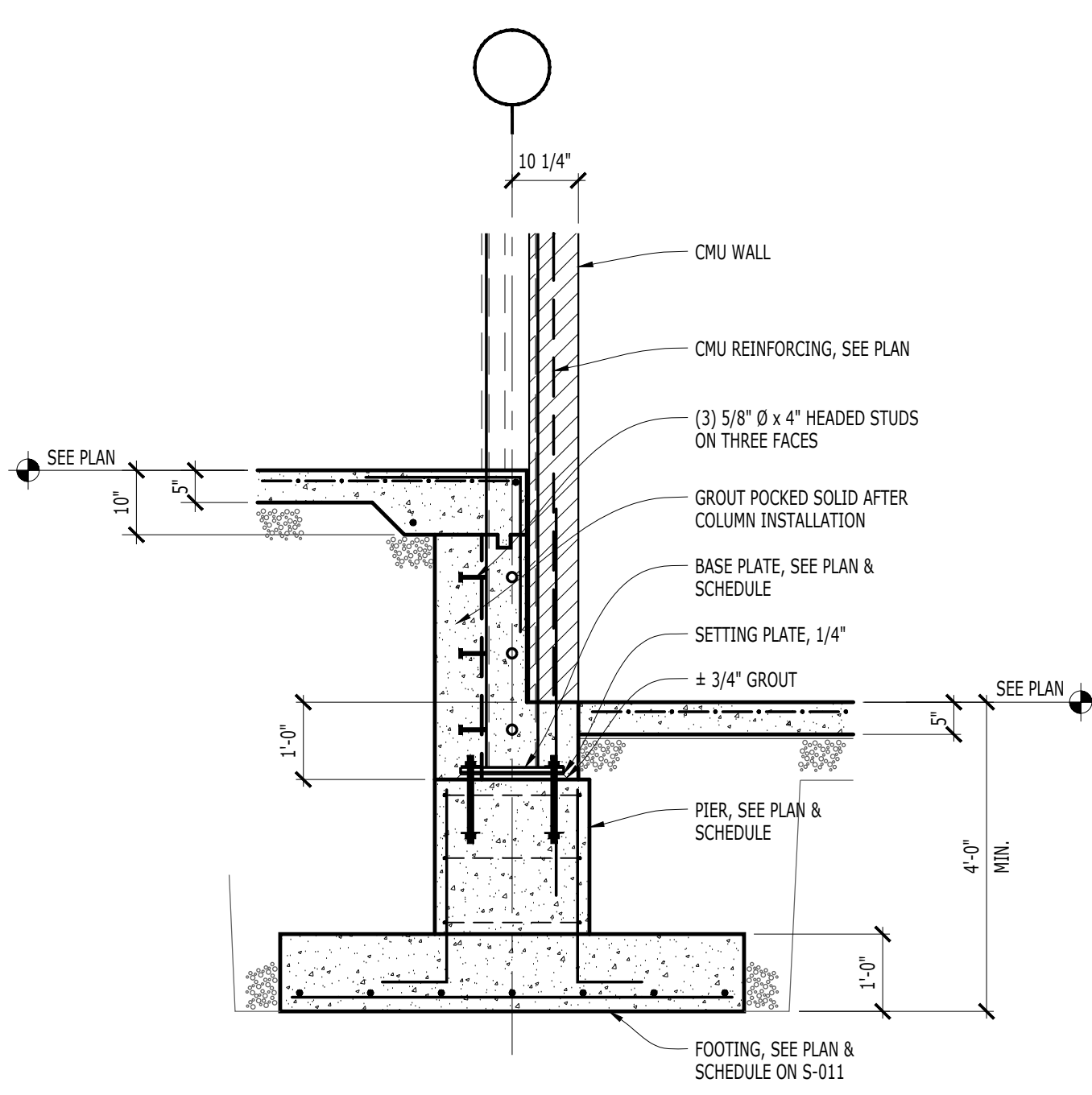
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SHEET TITLE
ROOF FRAMING PLAN AND DETAILS

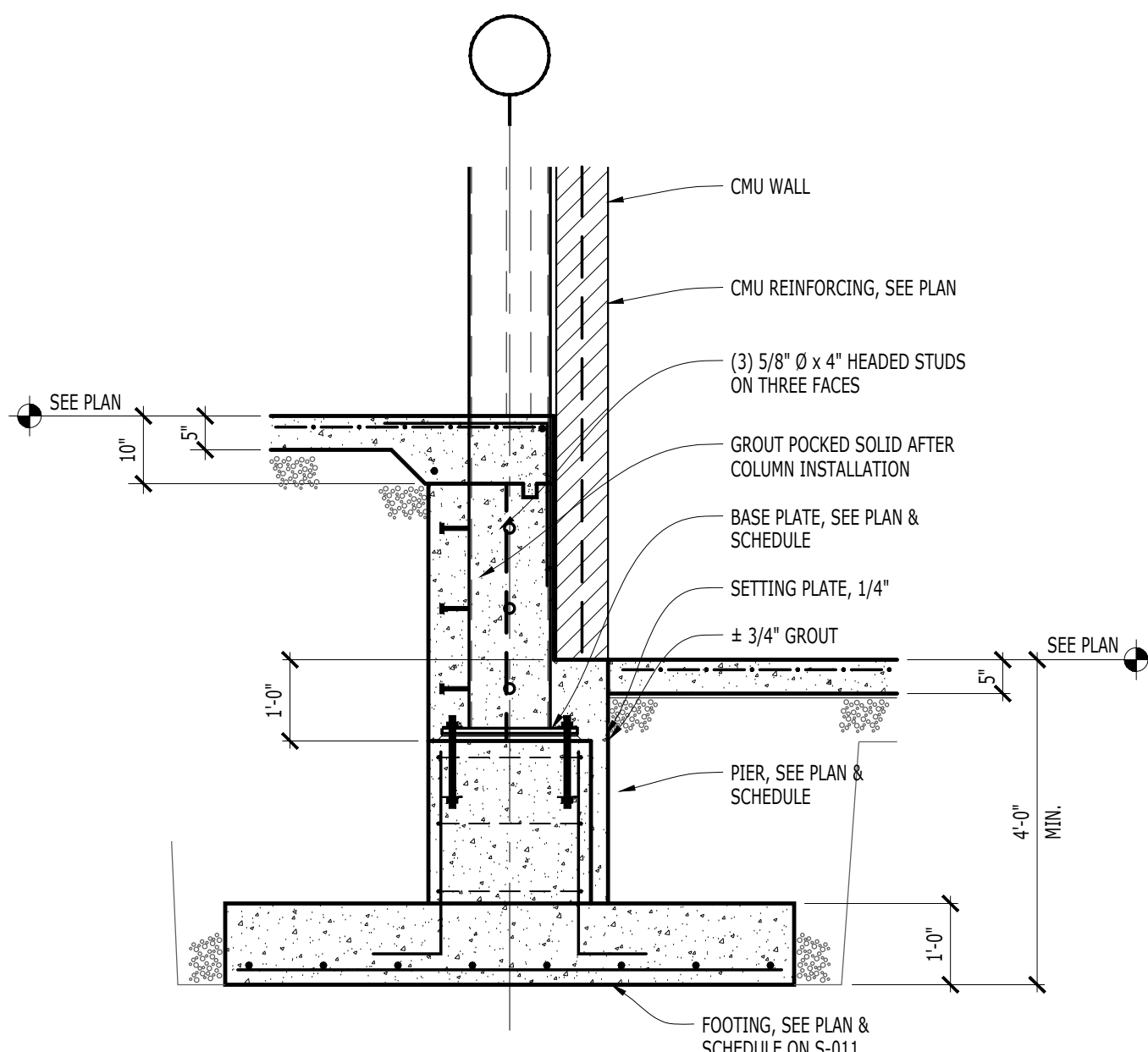
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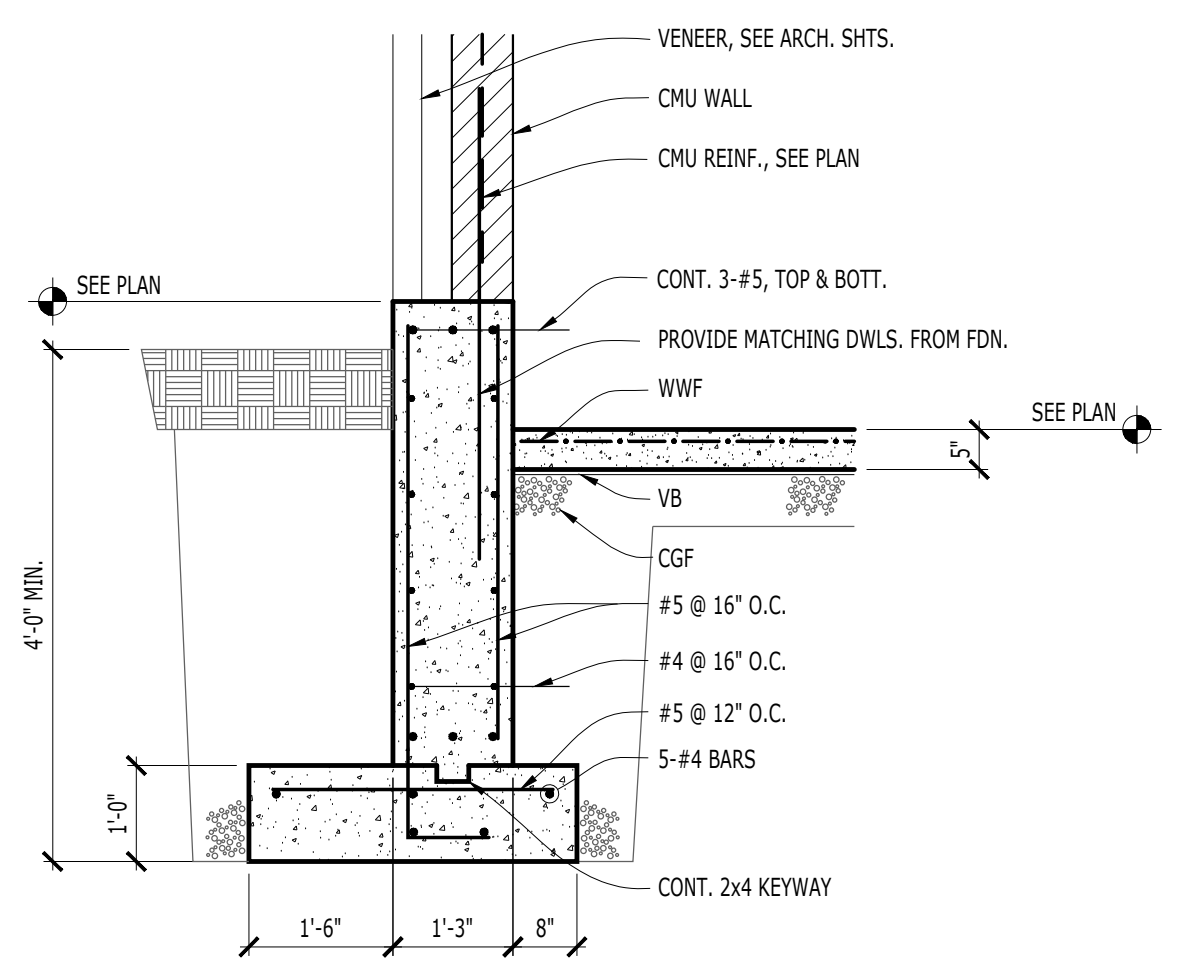
S-131



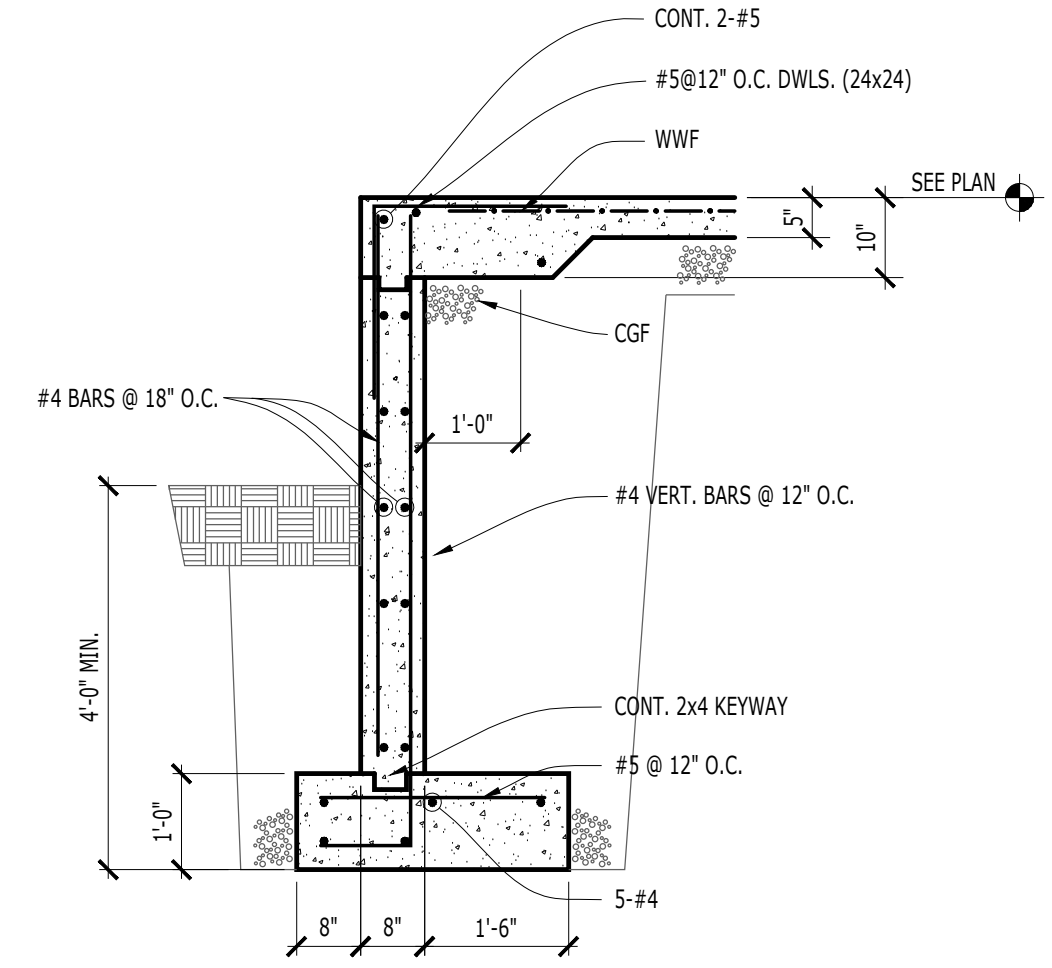
13 COLUMN SECTION
S-200 1/2"=1'-0"



14 COLUMN SECTION
S-200 1/2"=1'-0"

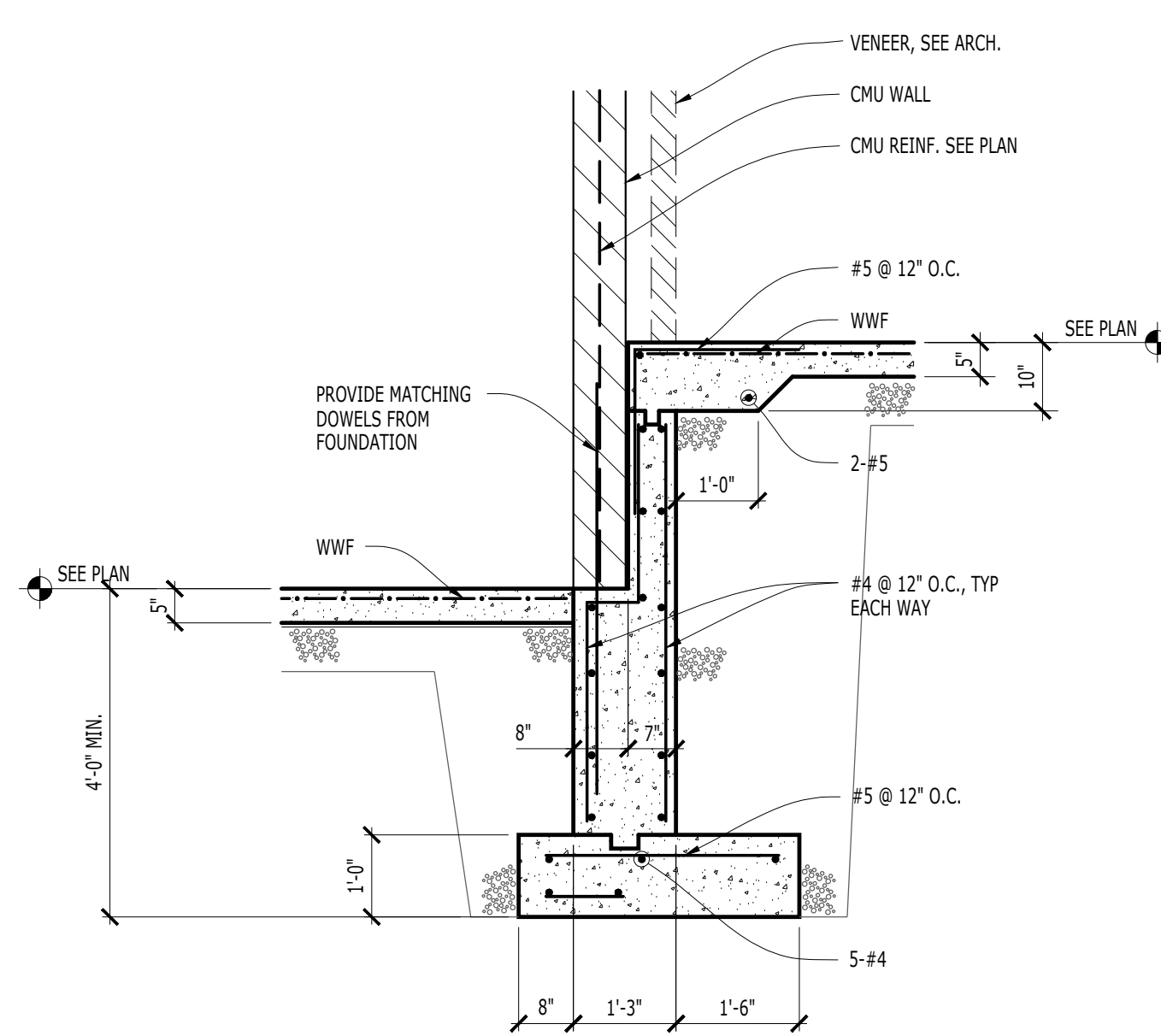


15 WALL SECTION
S-200 1/2"=1'-0"

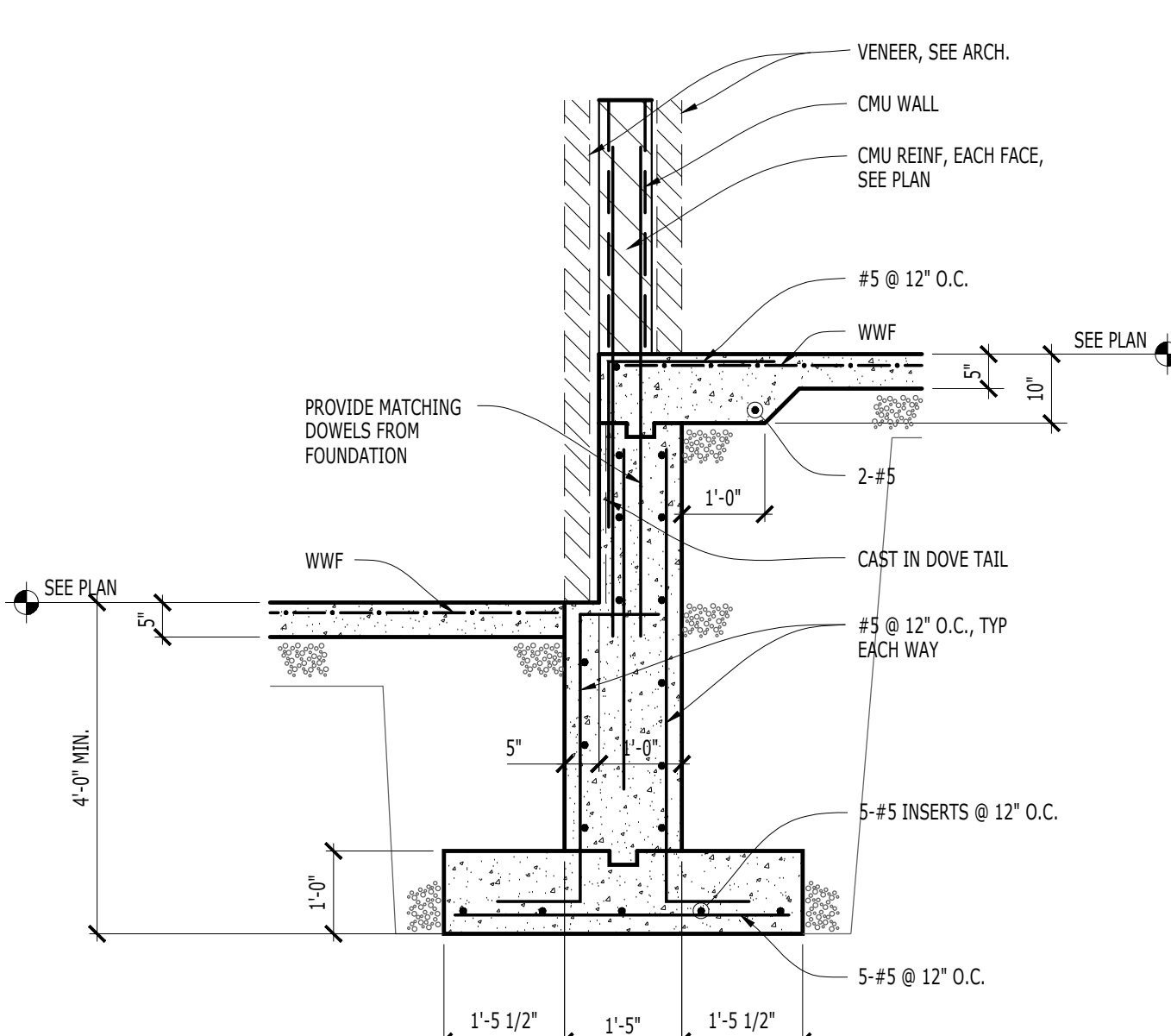


9 WALL SECTION
S-200 1/2"=1'-0"

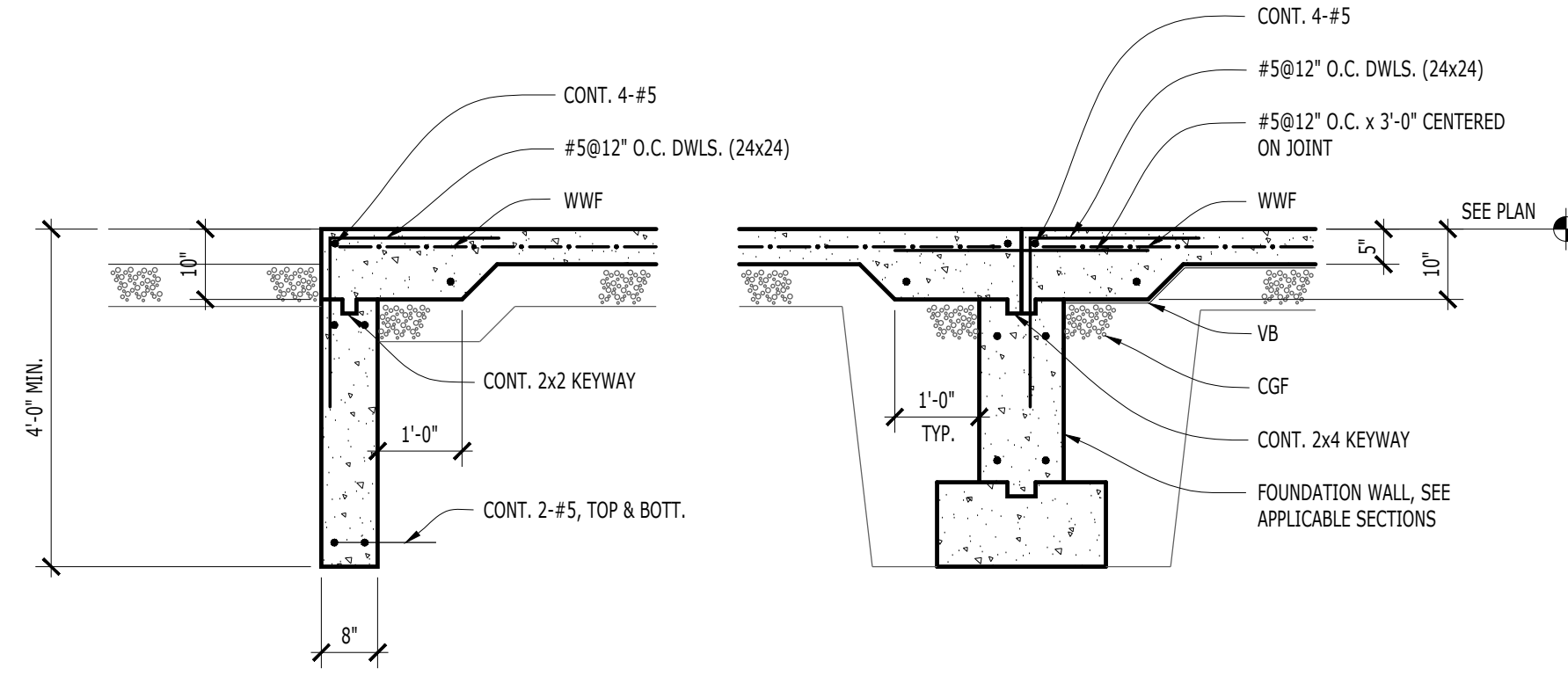
10 WALL SECTION
S-200 1/2"=1'-0"



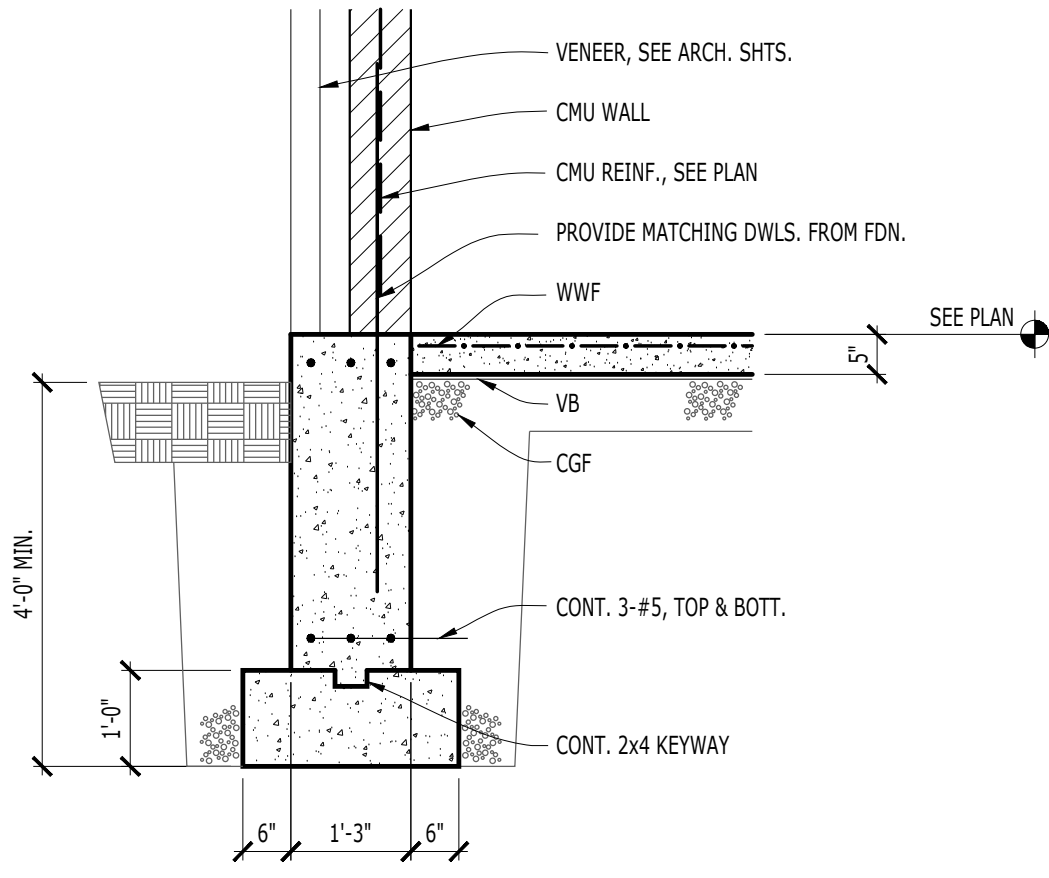
11 WALL SECTION
S-200 1/2"=1'-0"



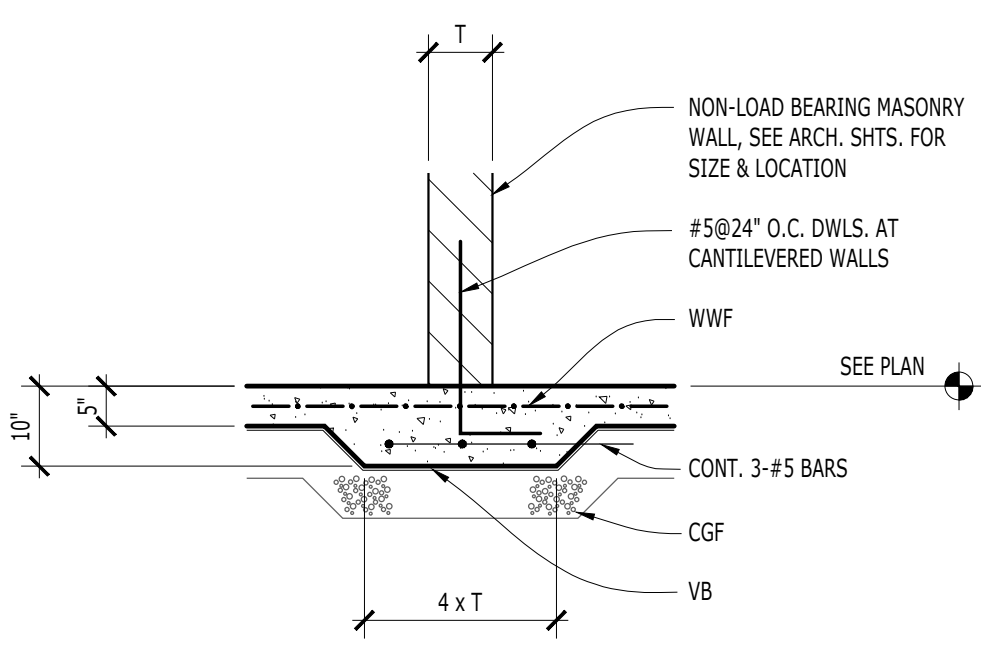
12 WALL SECTION
S-200 1/2"=1'-0"



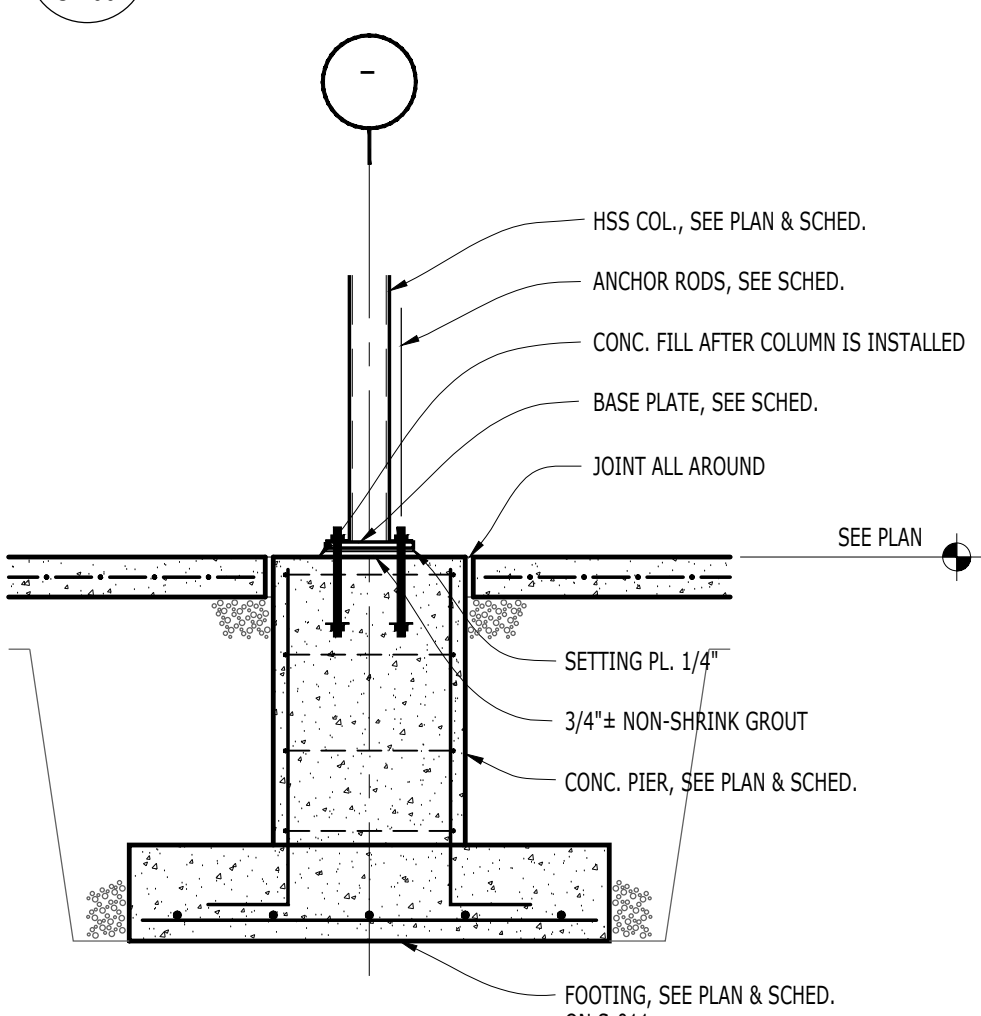
5 STOOP SECTION
S-200 NTS



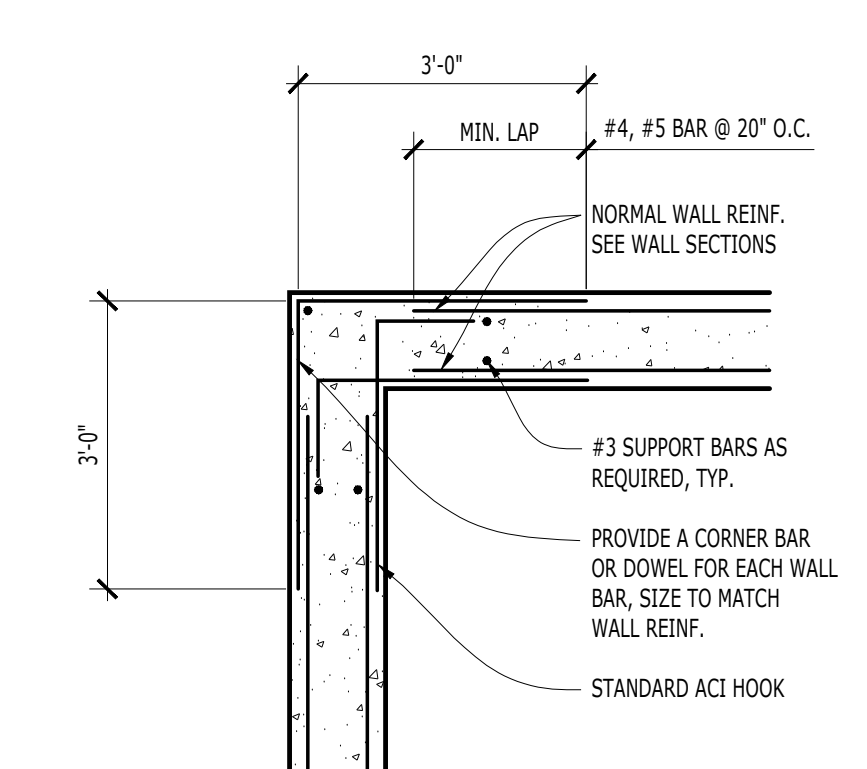
6 WALL SECTION
S-200 1/2"=1'-0"



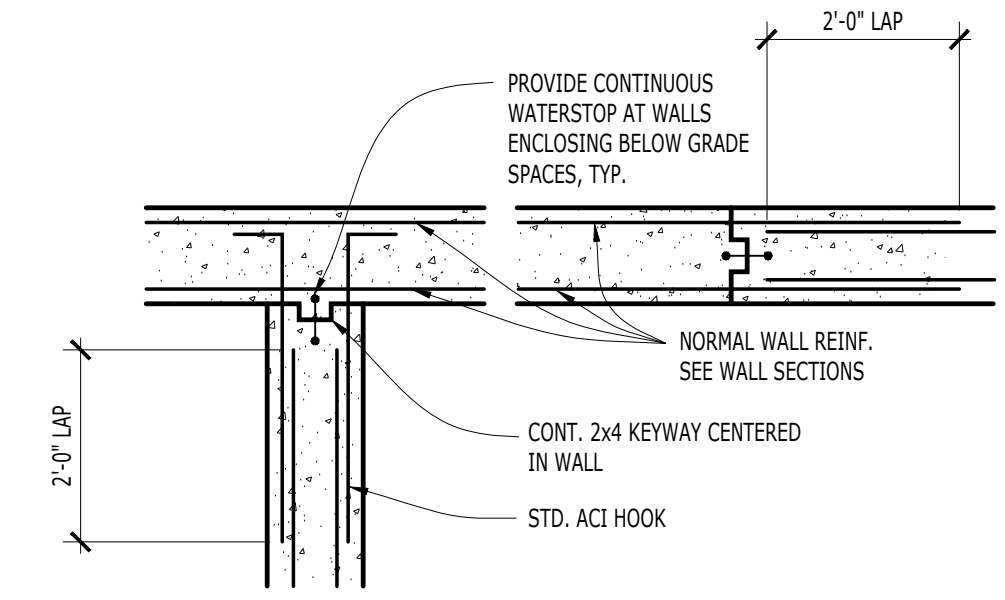
7 THICKENED SLAB SECTION
S-200 NTS



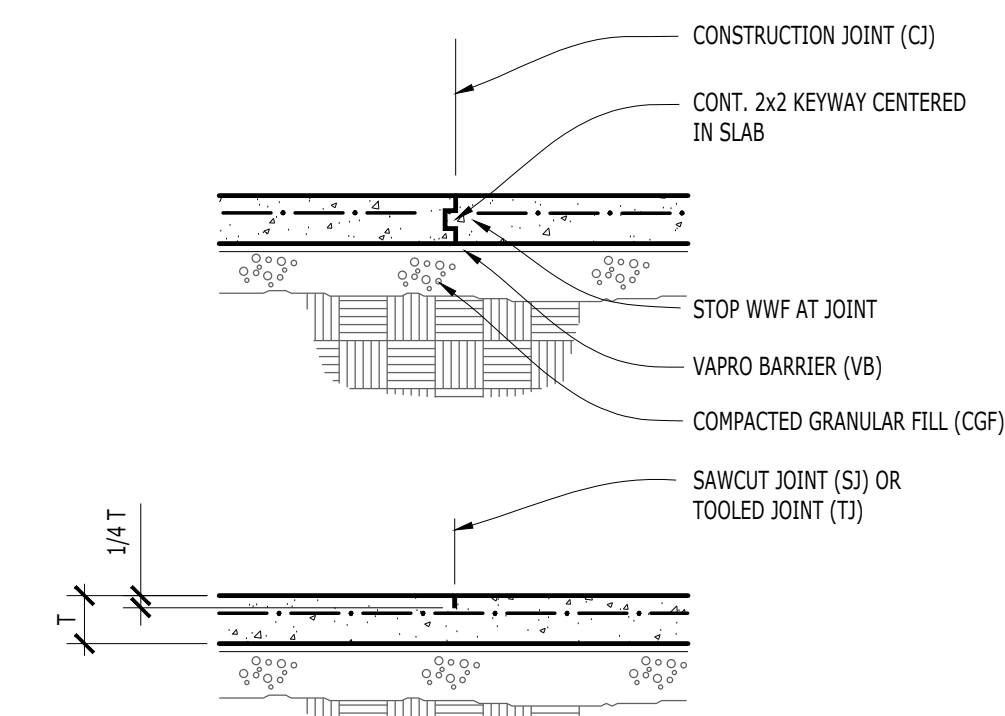
8 COLUMN SECTION
S-200 1/2"=1'-0"



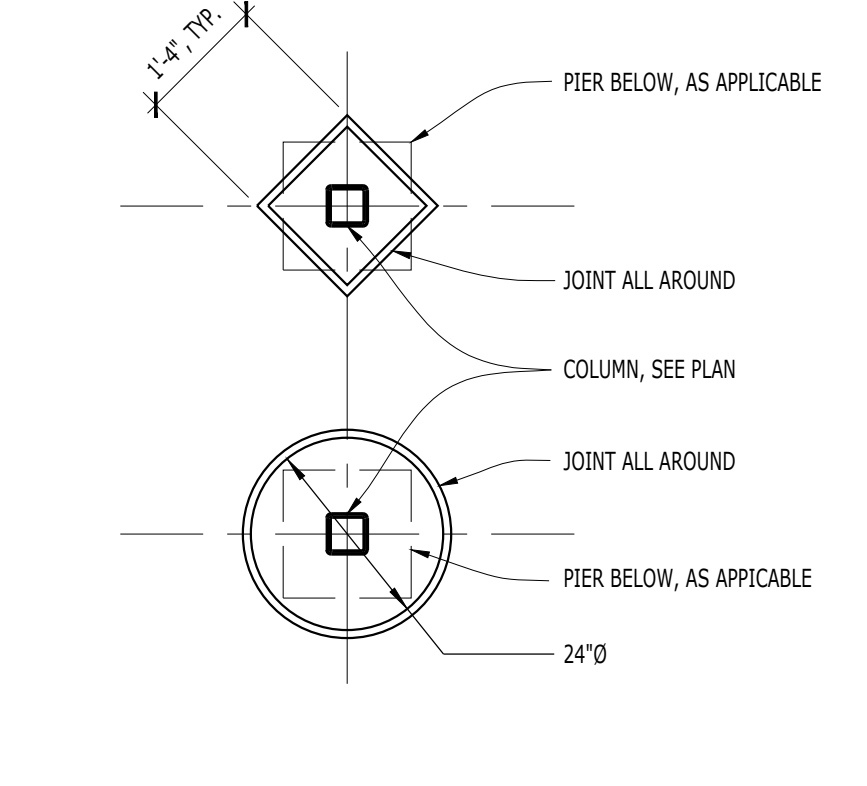
1 TYPICAL WALL CORNER
S-200 NTS



2 TYPICAL WALL JOINTS
S-200 NTS



3 TYPICAL SLAB JOINTS
S-200 NTS



4 TYPICAL ISOLATION JOINTS
S-200 NTS

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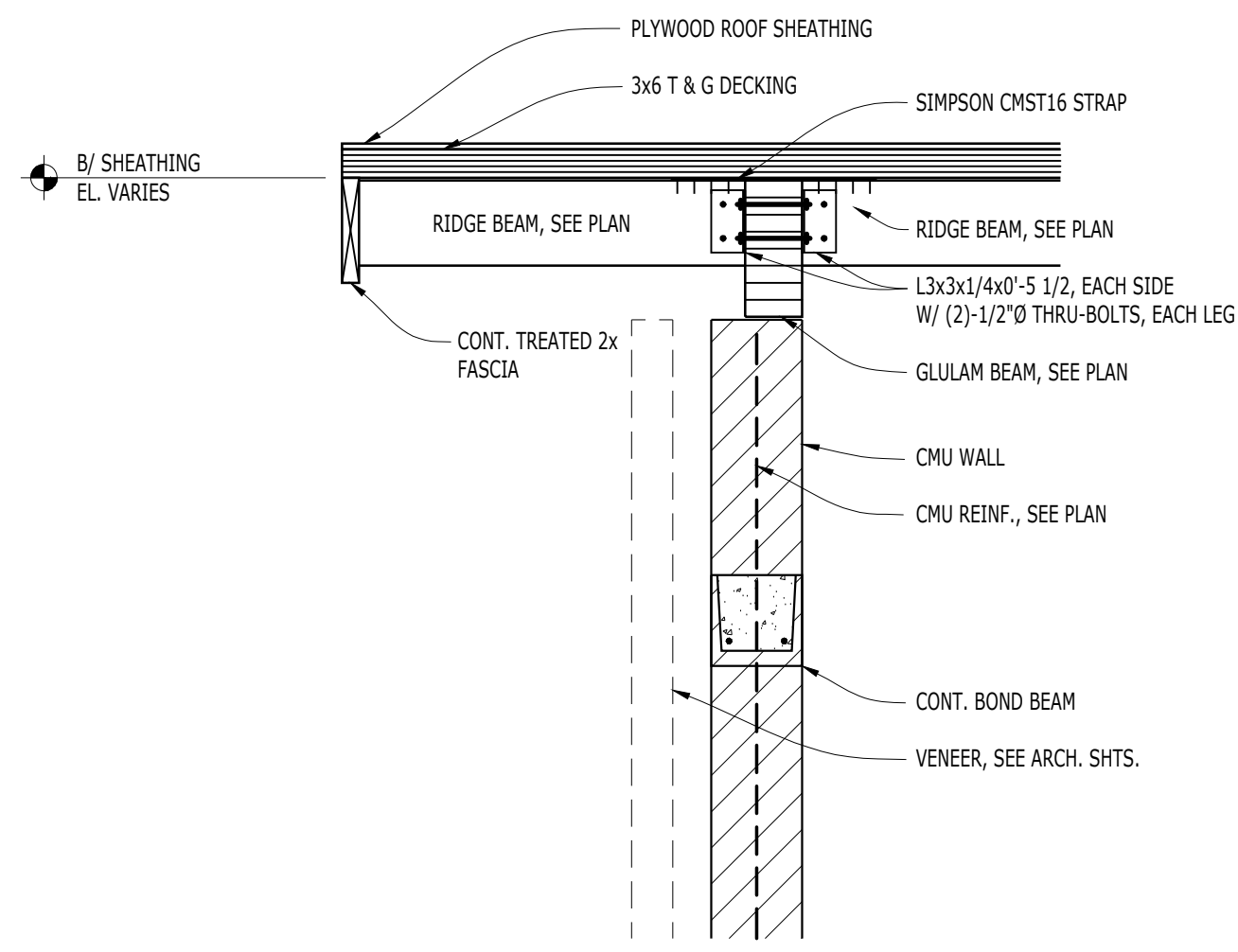
SHEET TITLE
FOUNDATION DETAILS AND SECTIONS

SCALE

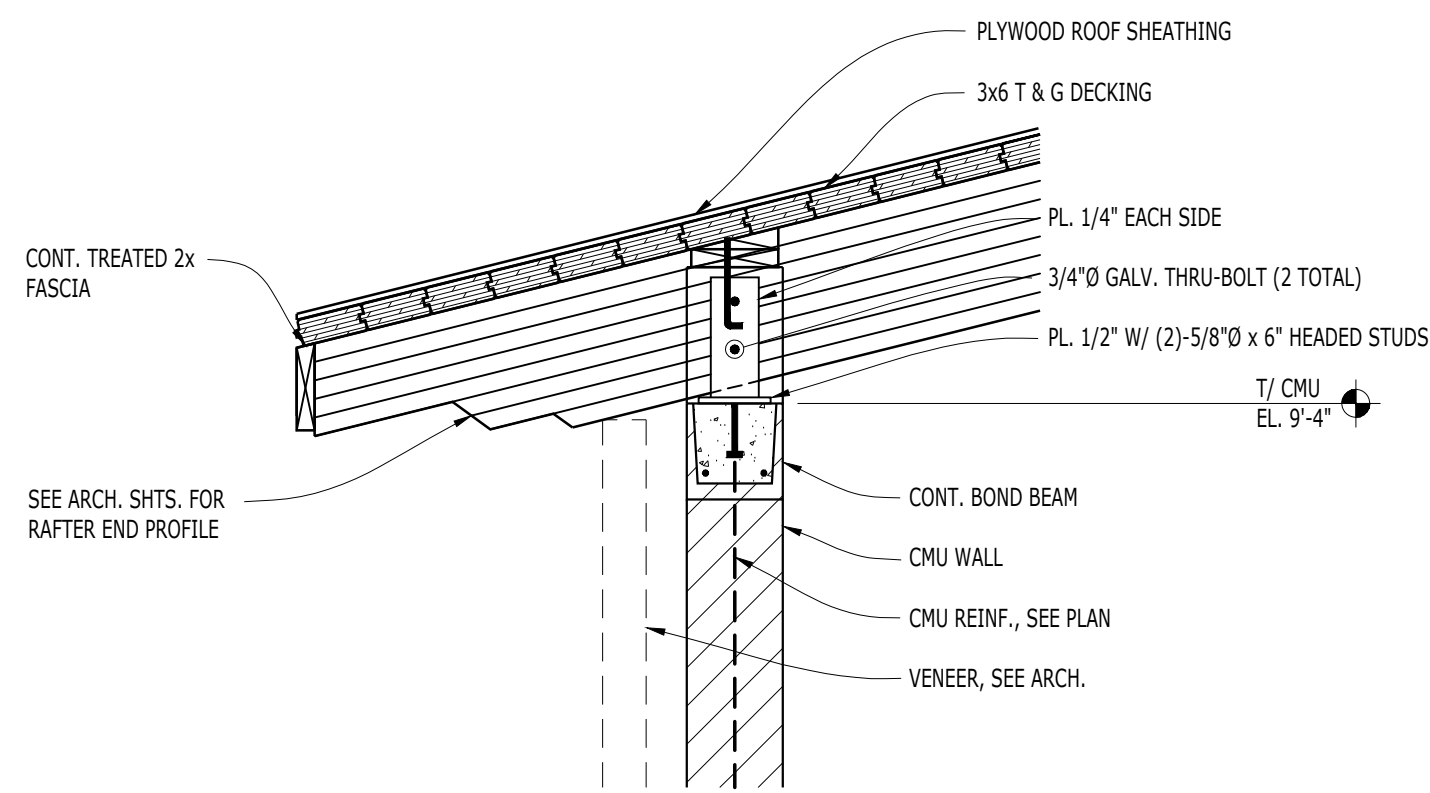
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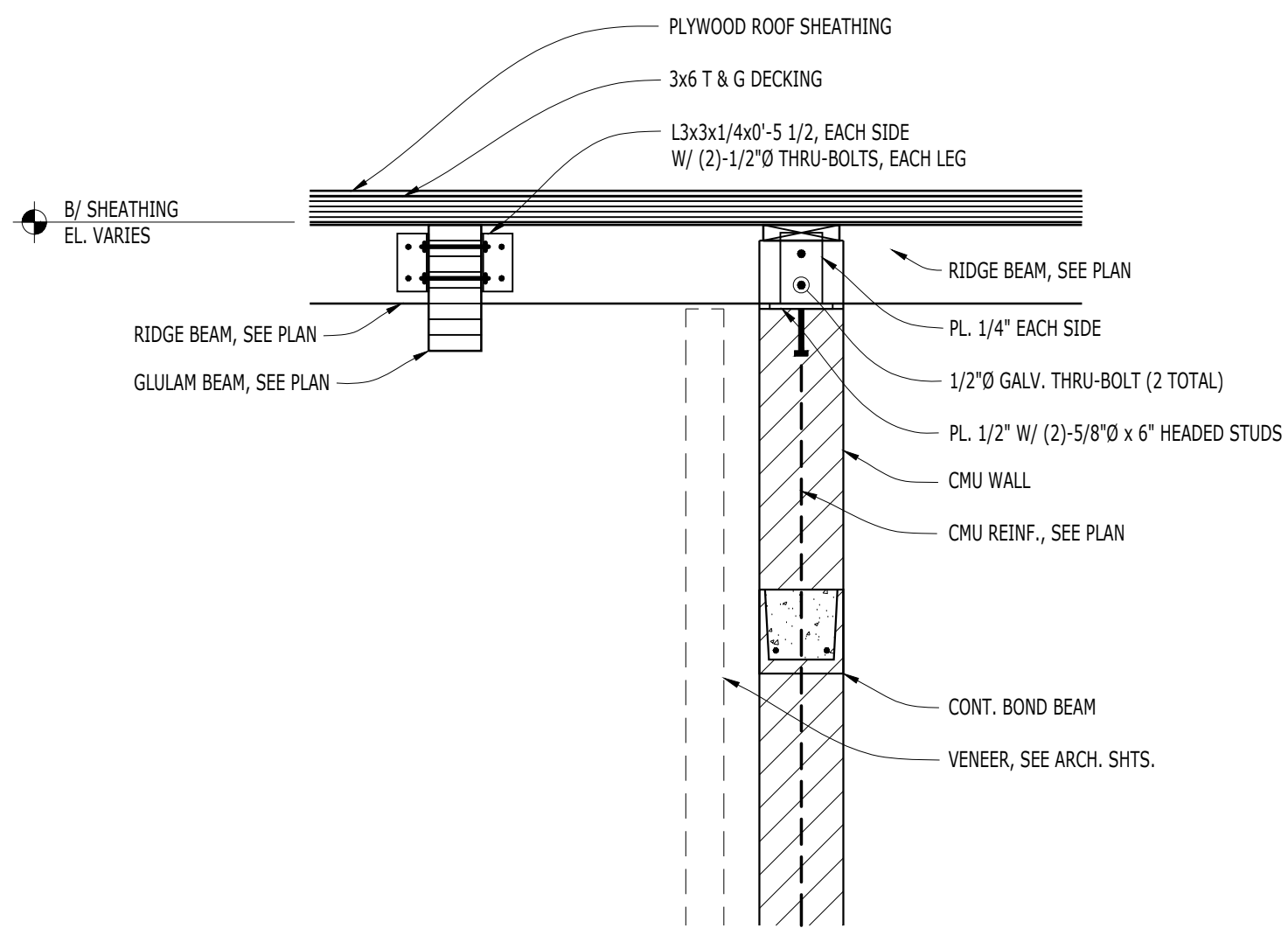
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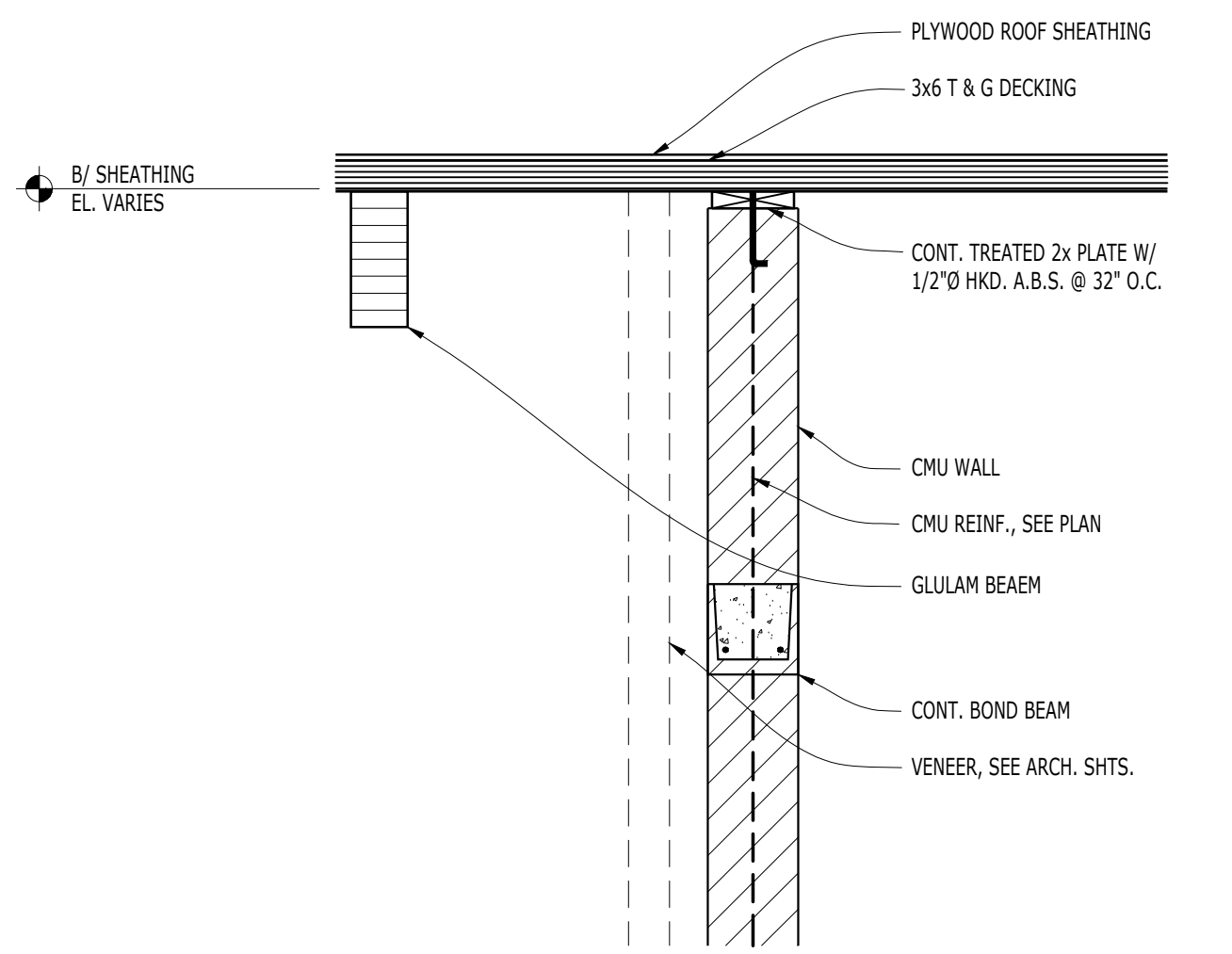
7
S-300
3/4"=1'-0"



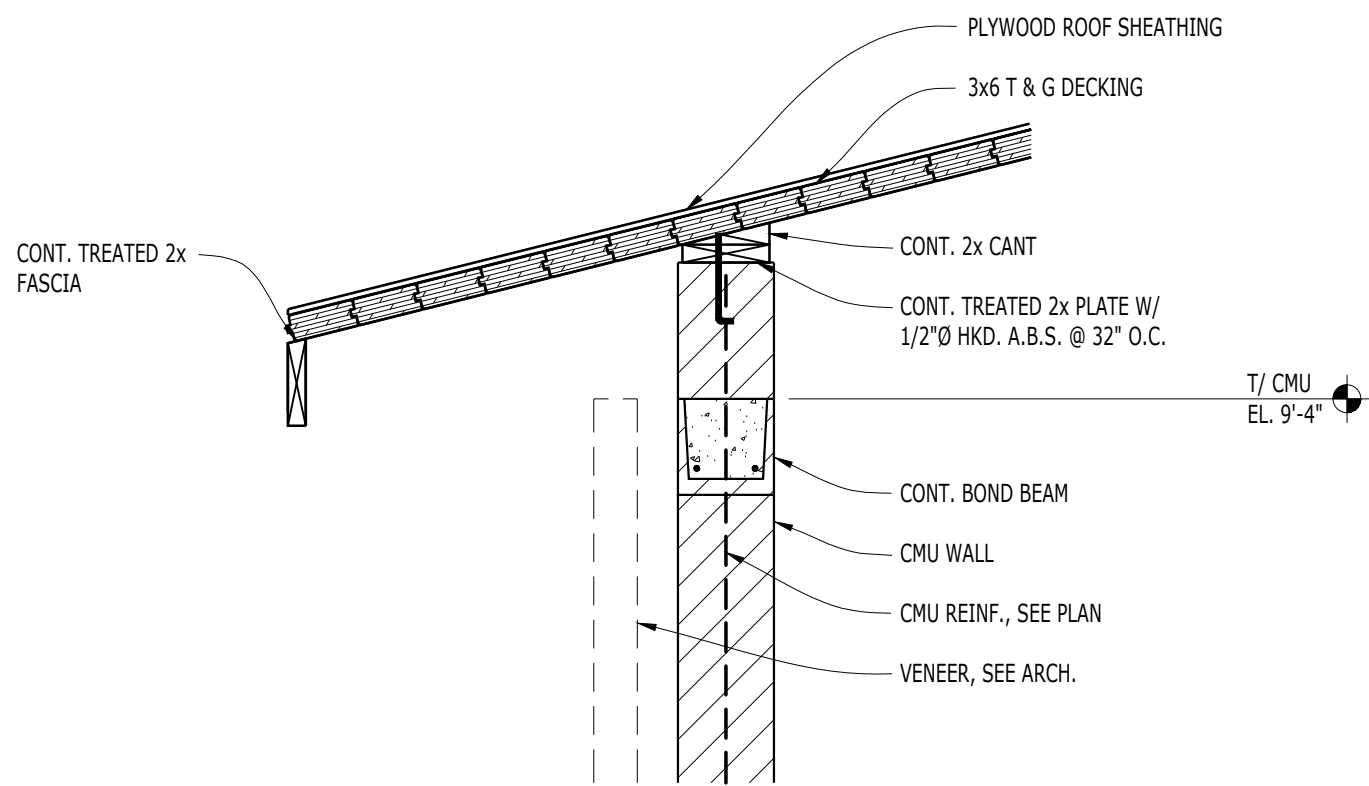
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3/4"=1'-0"



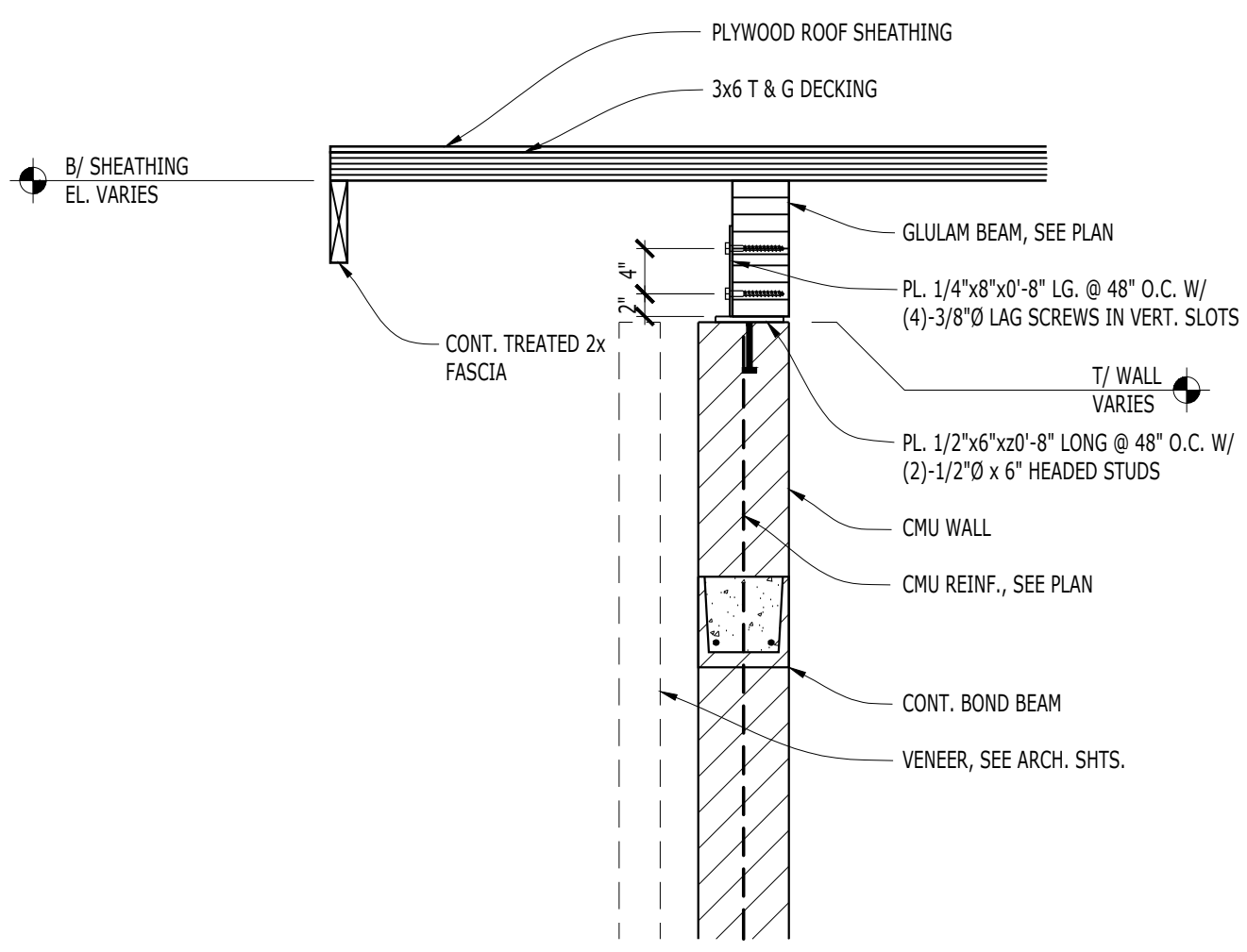
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S-300
3/4"=1'-0"



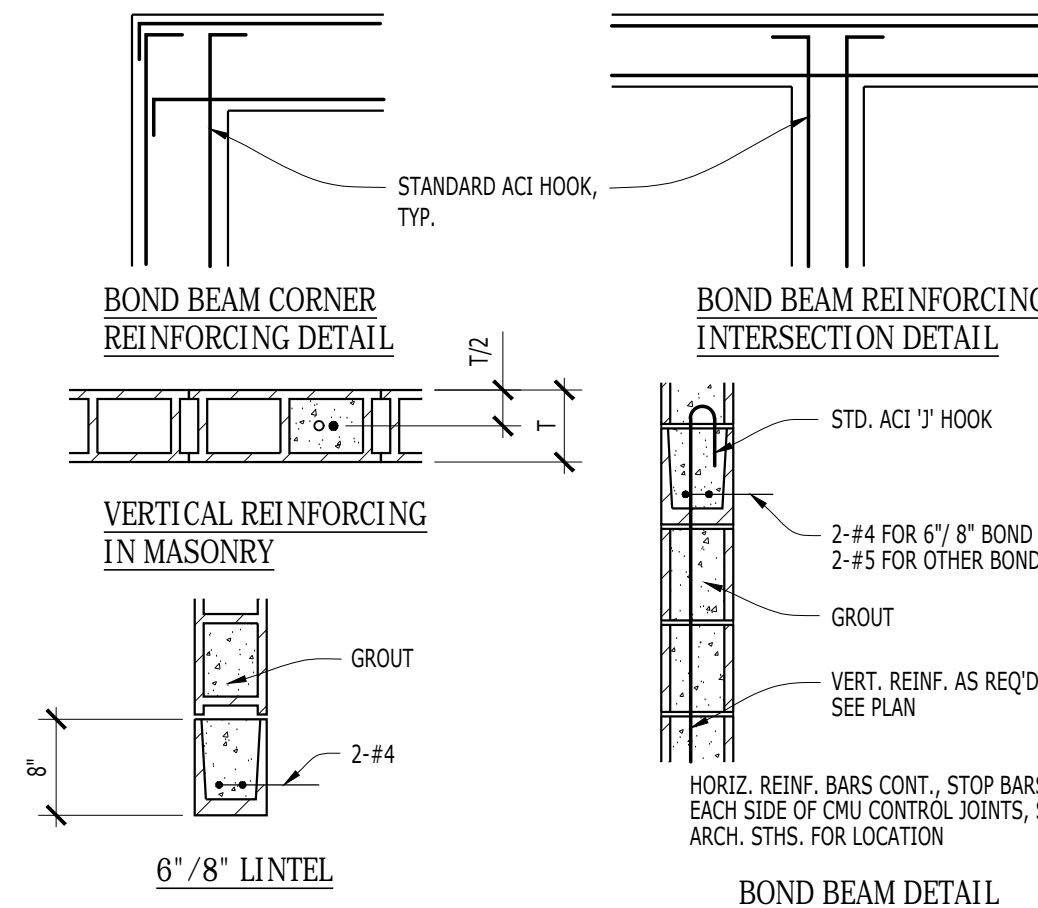
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S-300
3/4"=1'-0"



5
S-300
3/4"=1'-0"



6
S-300
3/4"=1'-0"

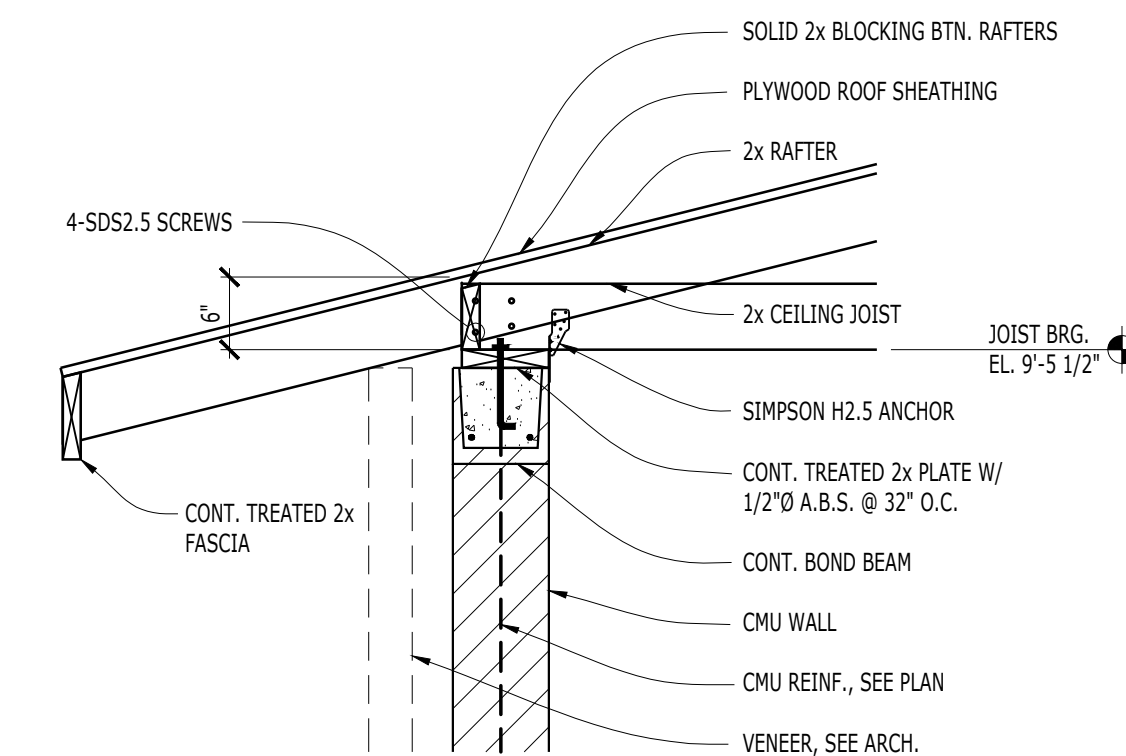


GROUTING NOTES:

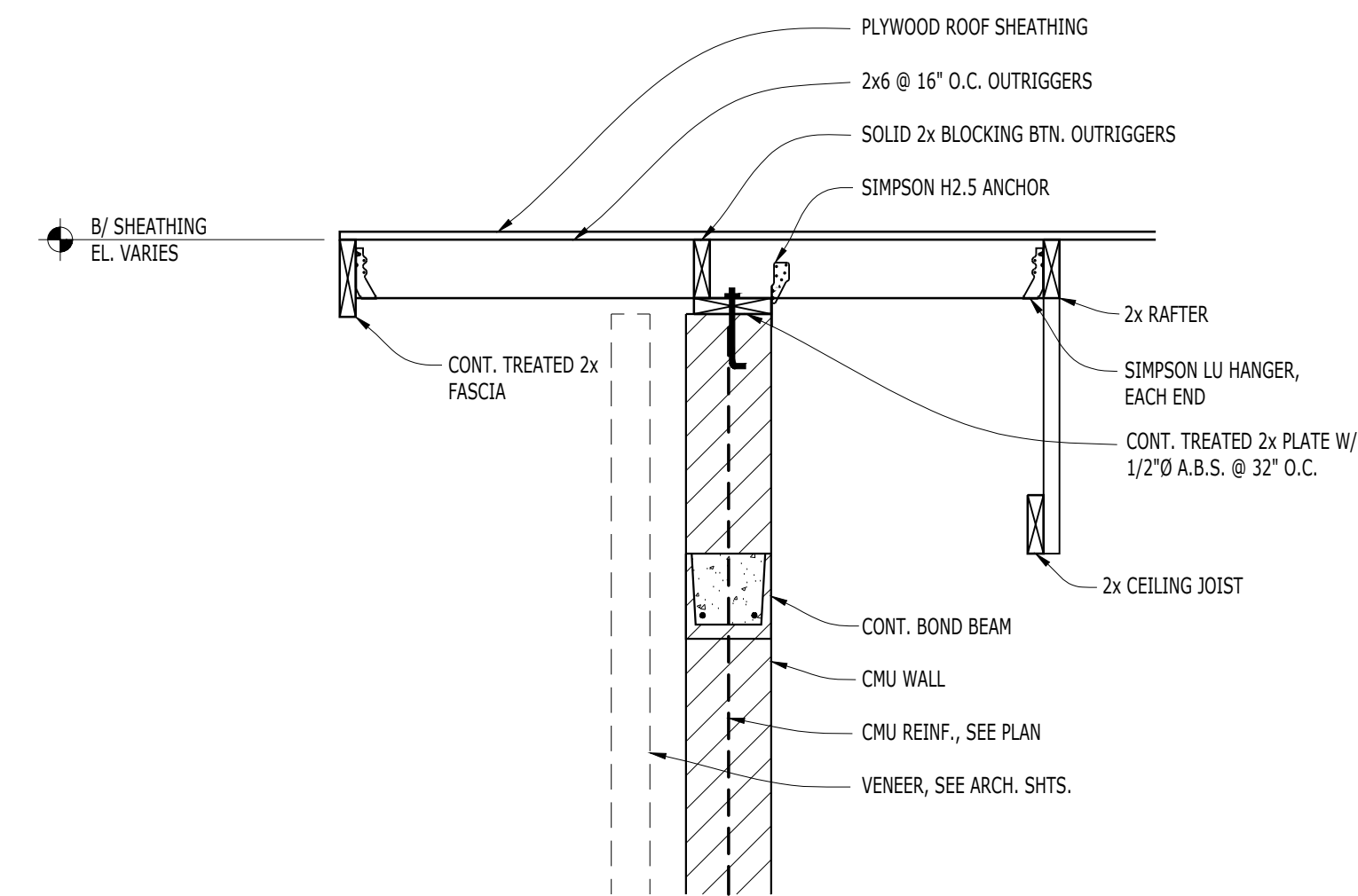
GROUT FOR VERTICAL REINFORCED WALL, BOND BEAM, FILLED BLOCK, ANCHOR BOLTS, ETC. SHALL CONFORM TO THE FOLLOWING PROPORTIONS:
 1) PORTLAND CEMENT - 1 PART BY VOLUME
 2) HYDRATED LIME OR LIME PUTTY - 1/10 PART BY VOLUME
 3) CLEAN SHARP SAND - 2 1/2 TO 3 TIMES THE SUM OF VOLUMES 1) & 2).

- GROUT SHALL BE MACHINE MIXED WITH SUFFICIENT WATER TO PERMIT POURING INTO CAVITY.
 - GROUT SHALL DEVELOP A COMPRESSIVE STRENGTH OF 3000 psi @ 28 DAYS.
 - GROUT SHALL BE PULDED AS NECESSARY TO INSURE COMPLETE BOND. PERMIT SUFFICIENT TIME BETWEEN GROUT LIFTS TO AVOID BLOWOUTS.
 - WIRE REINFORCING SHALL BE IN PLACE TO GROUTING.
 - REFER TO STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

1
S-300
NTS



2
S-300
3/4"=1'-0"



3
S-300
3/4"=1'-0"



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PREPARED FOR

Village of Algonquin

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PROJECT

Towne Park

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SHEET TITLE

**FRAMING
 DETAILS AND
 SECTIONS**

SCALE

SHEET NUMBER

S-300



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No	Date	Issue
05/07/24		ISSUE FOR CONSTRUCTION

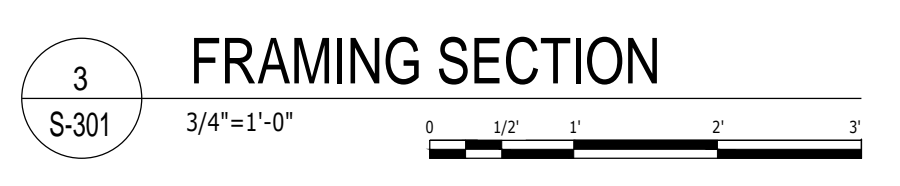
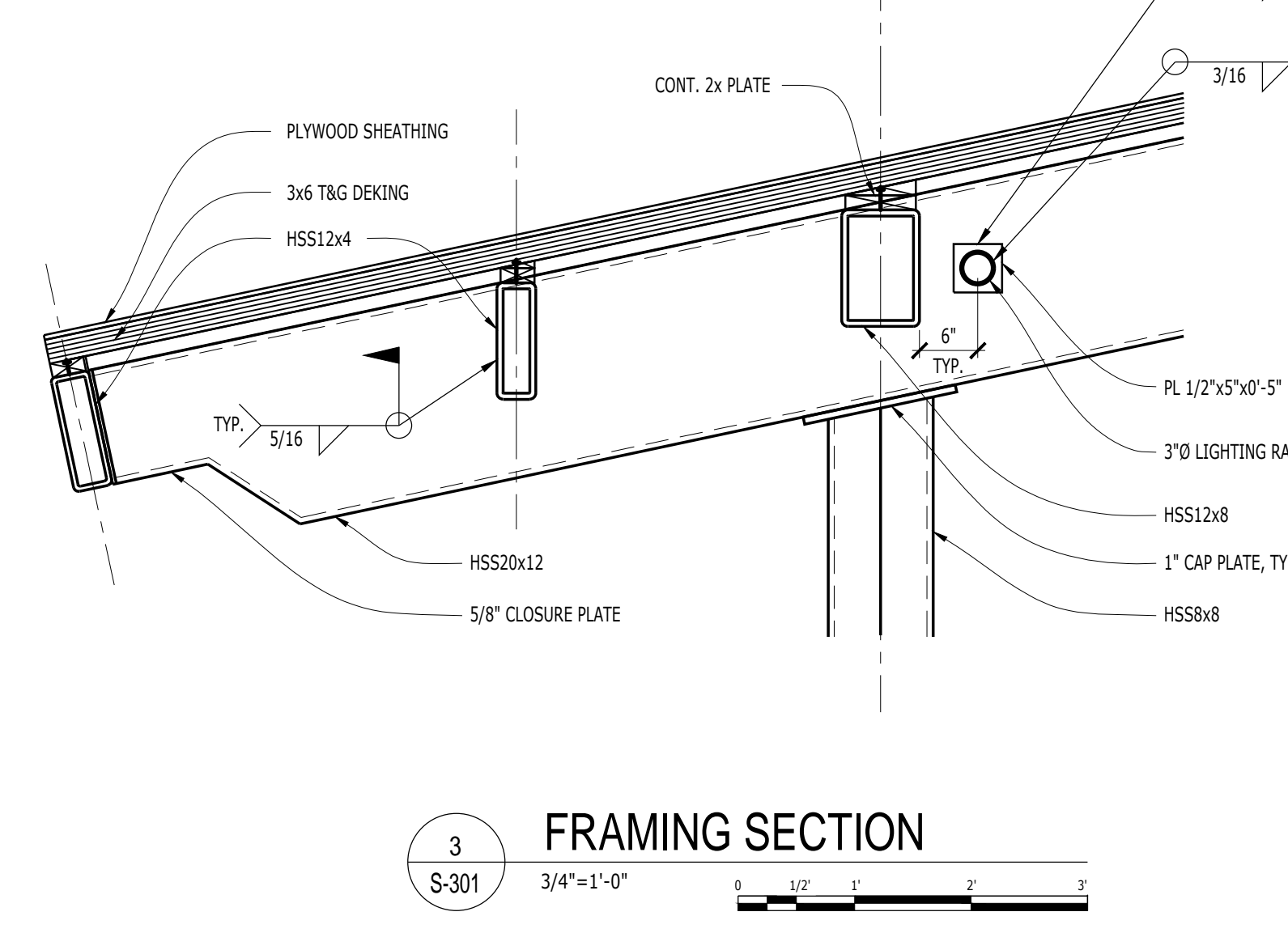
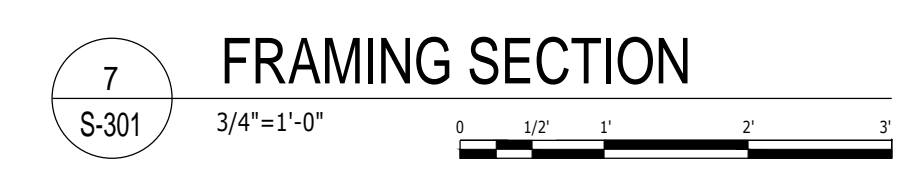
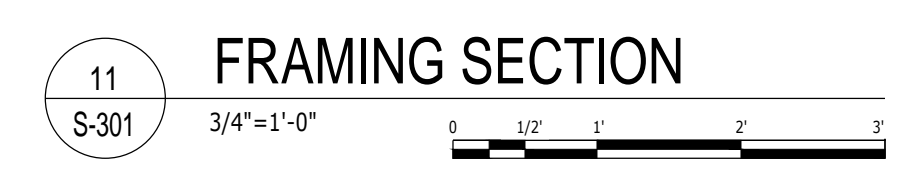
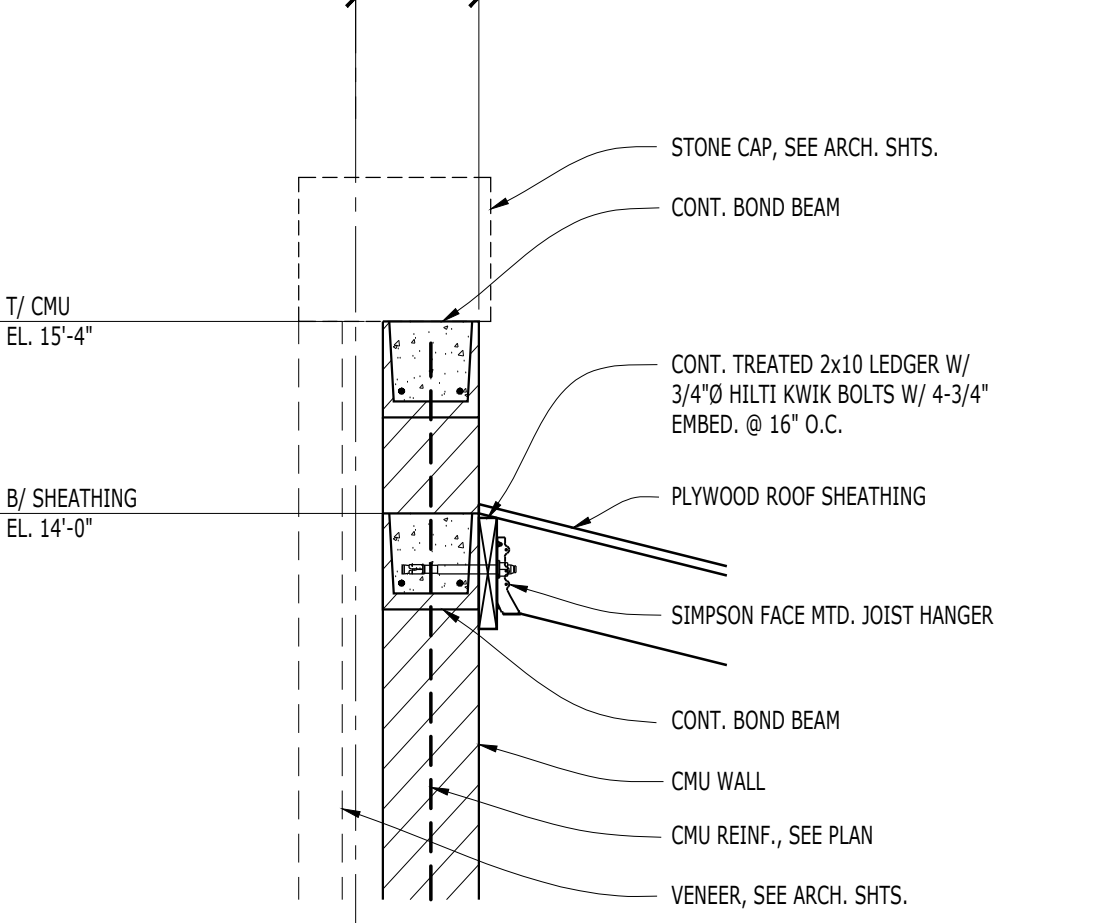
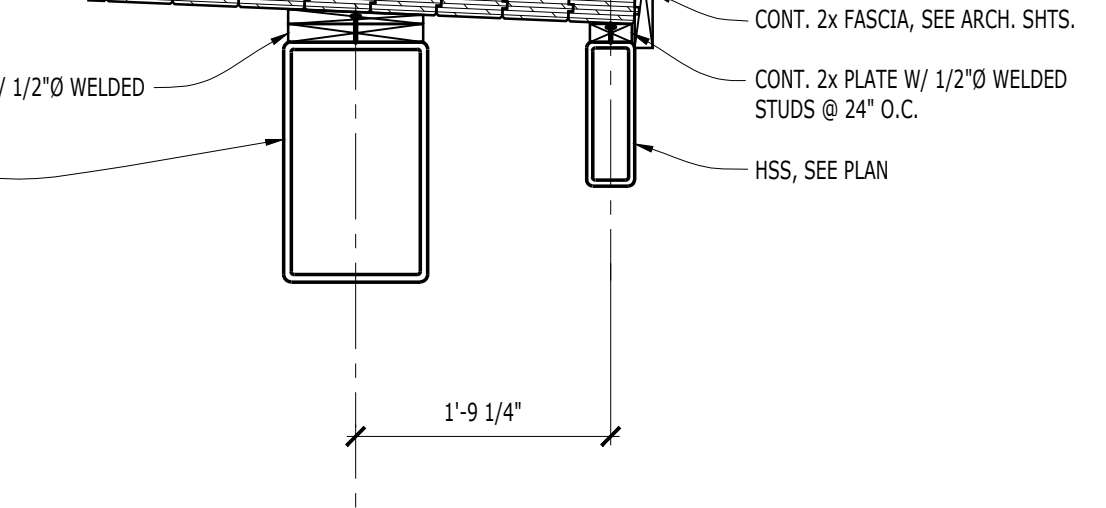
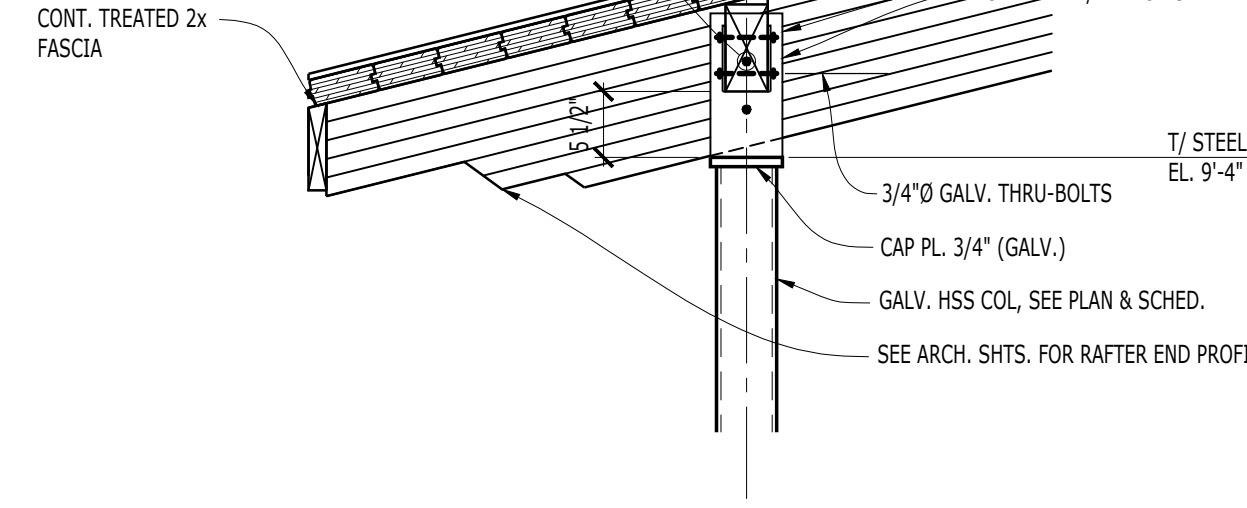
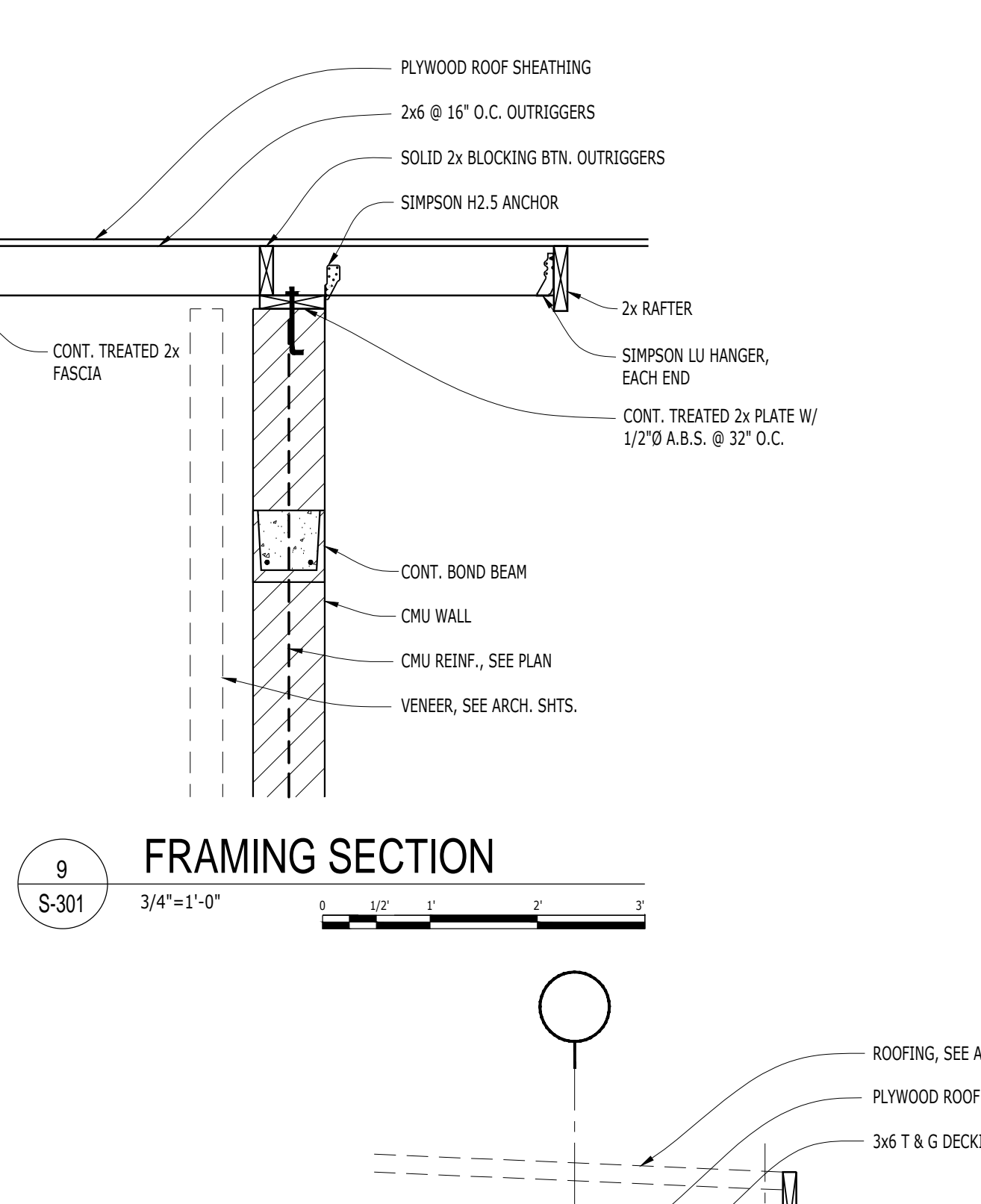
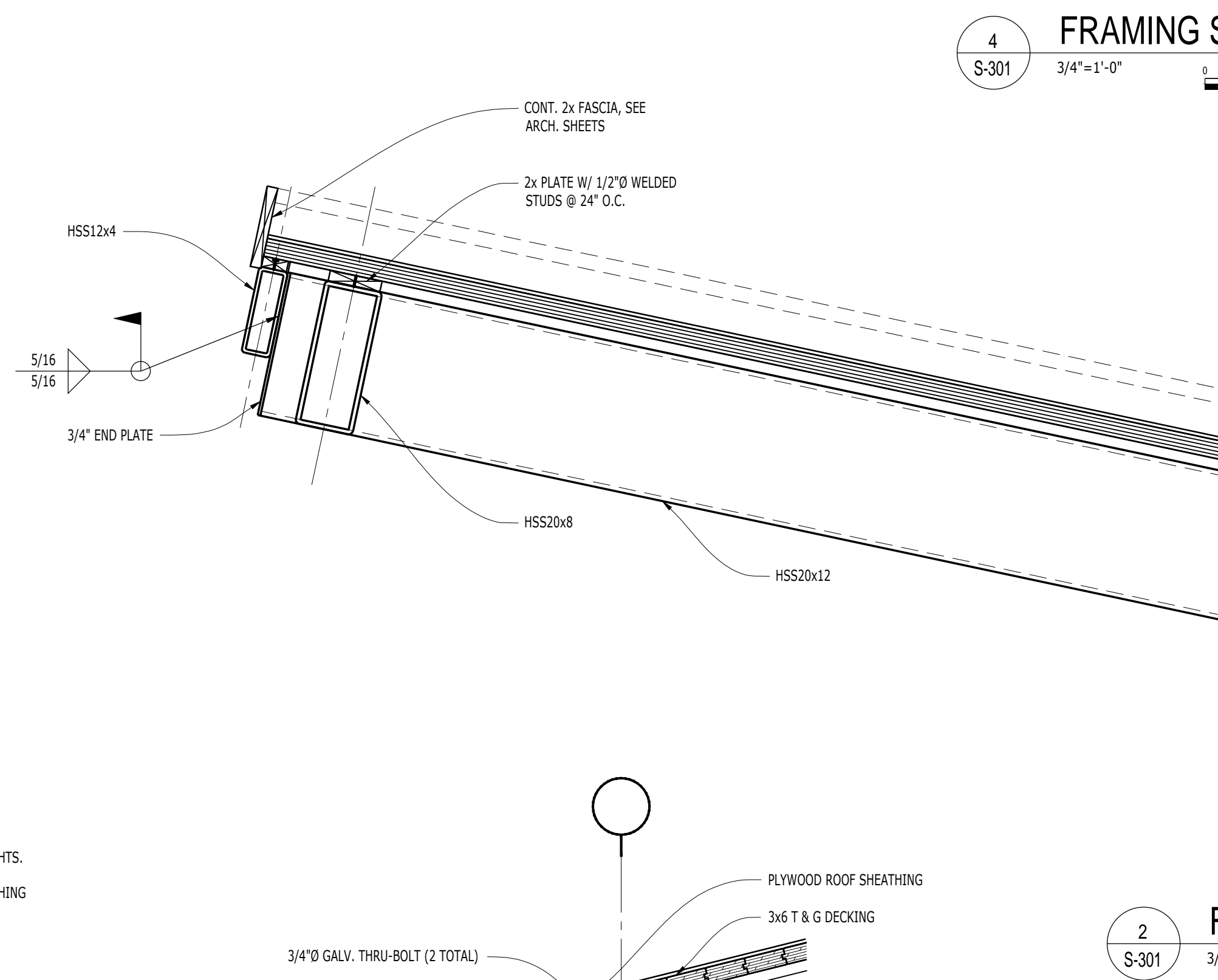
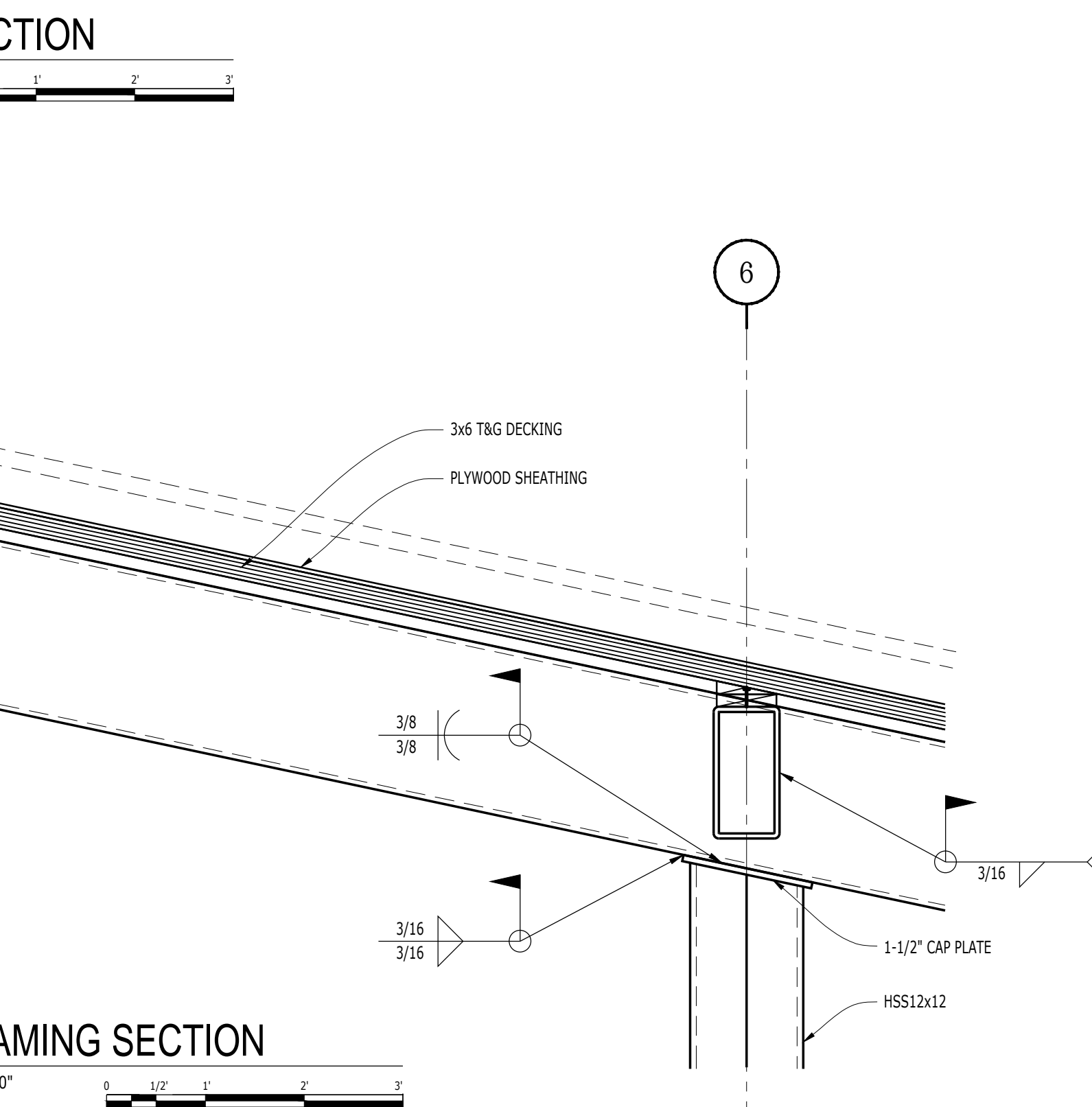
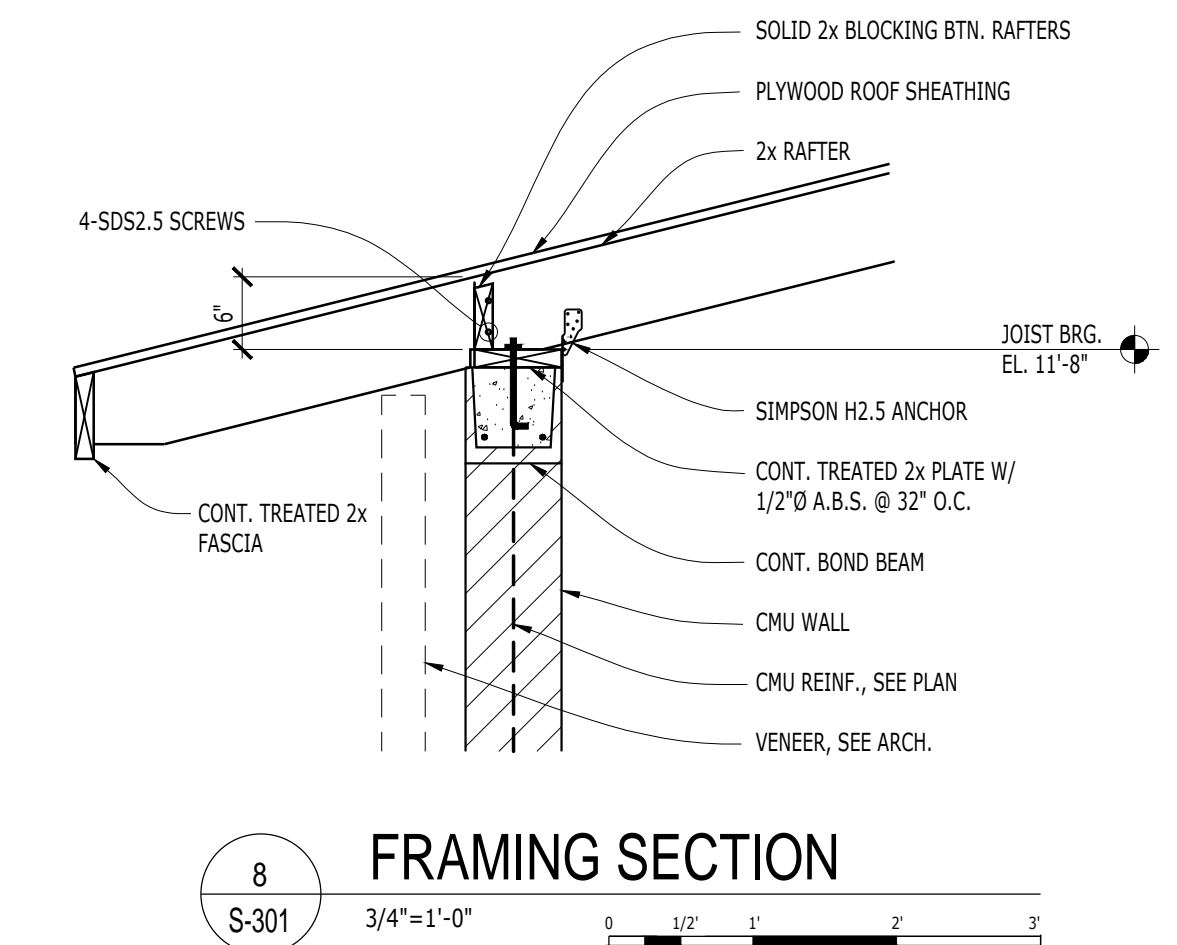
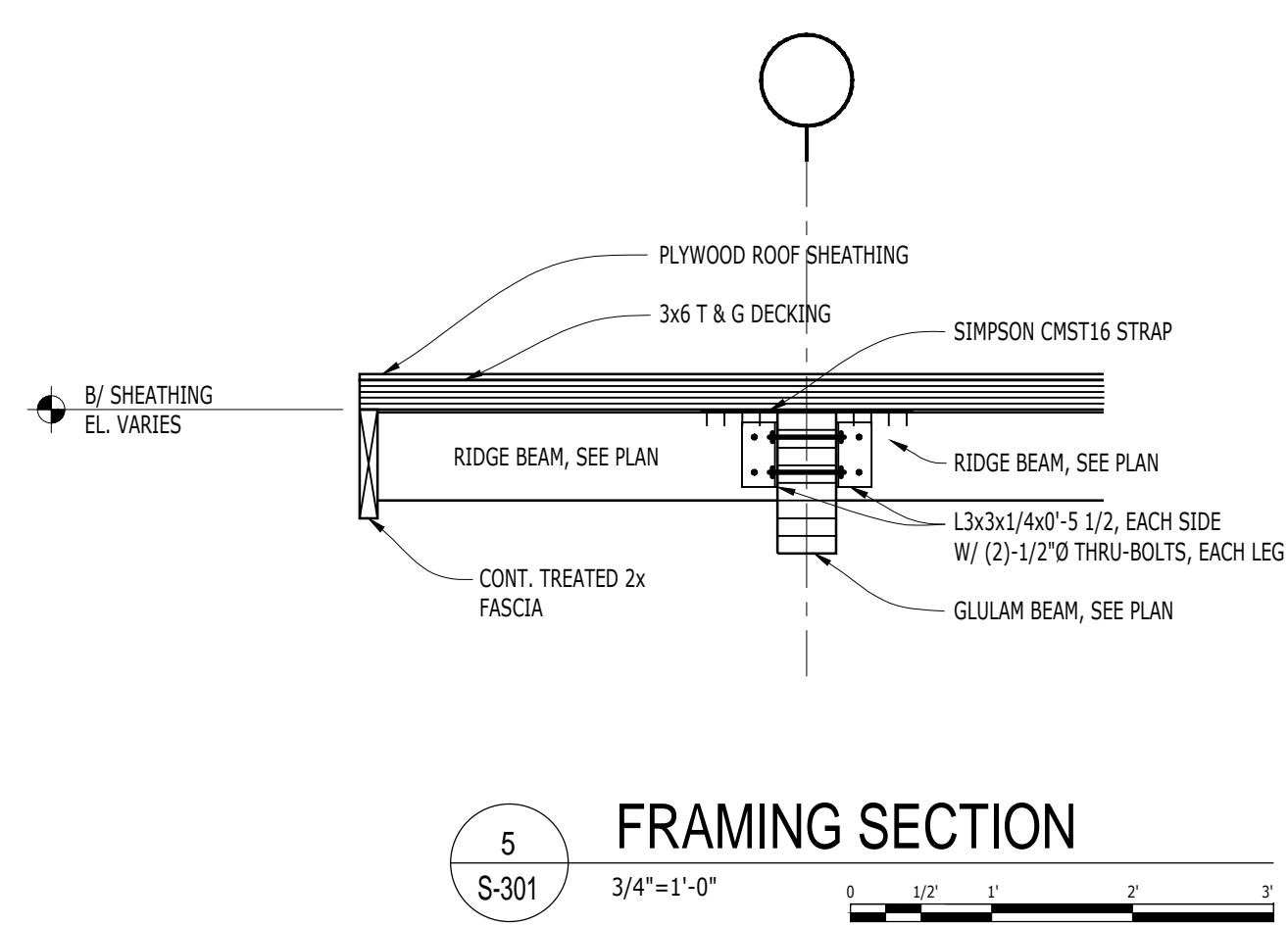
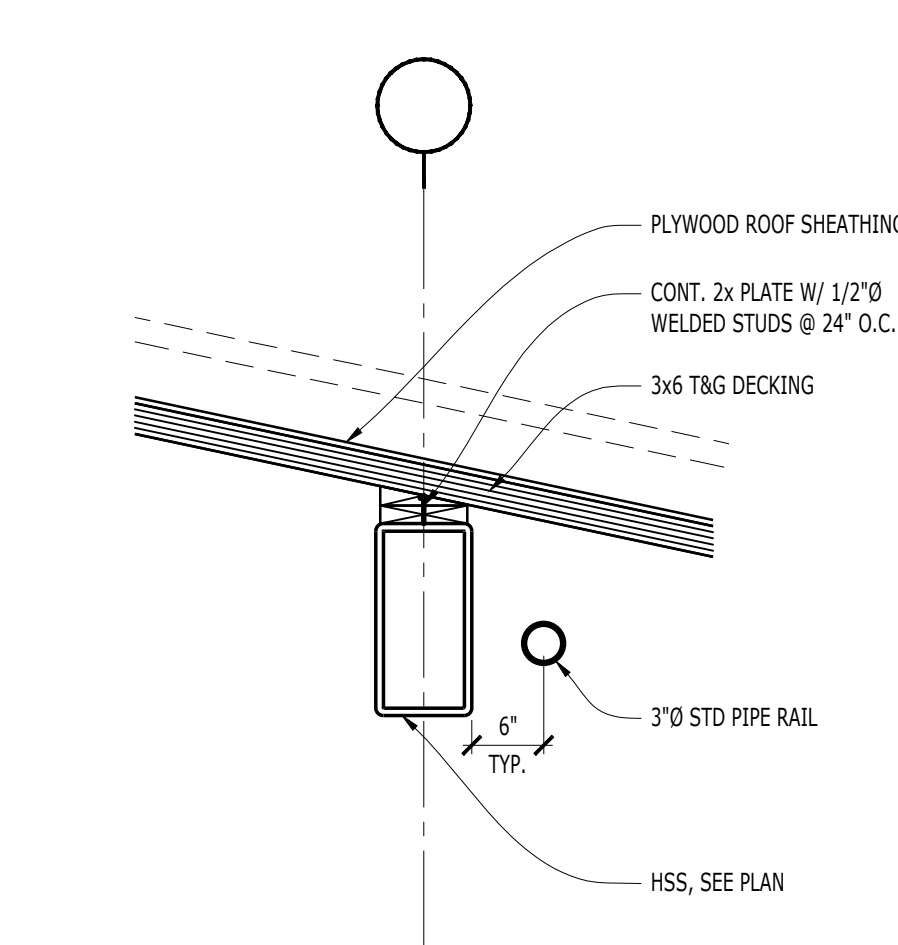
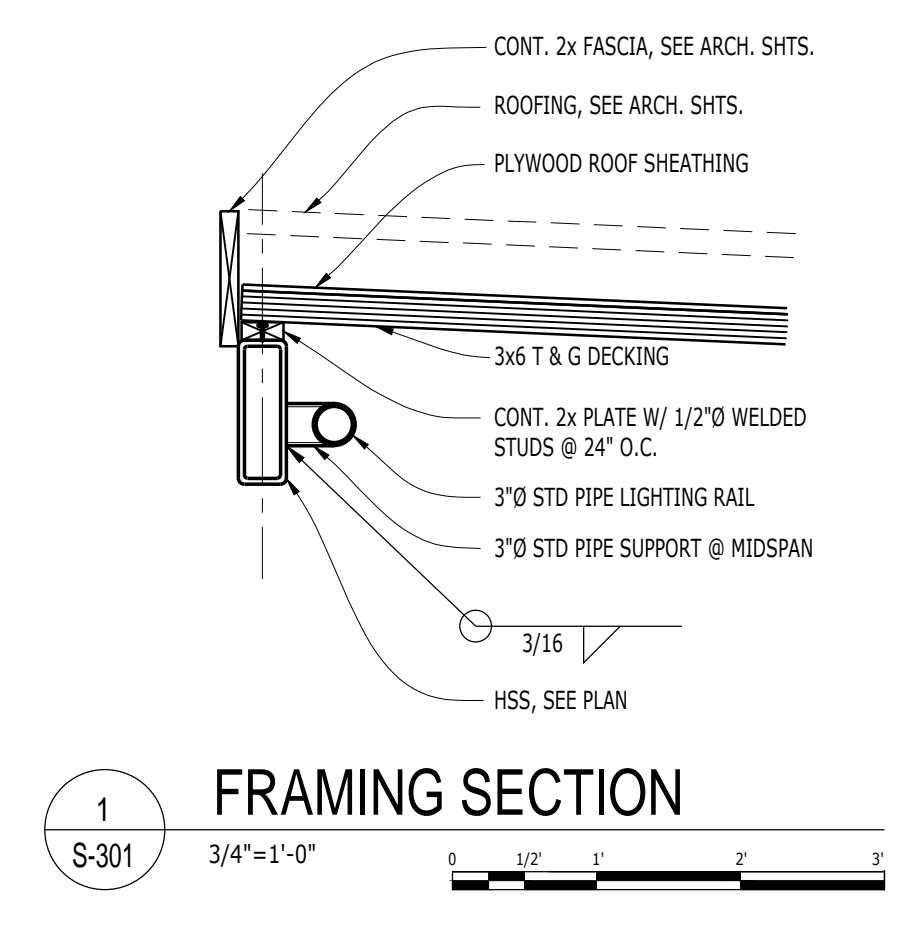
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SHEET TITLE
FRAMING DETAILS AND SECTIONS

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SHEET NUMBER

S-301





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4	05/07/24	ISSUE FOR CONSTRUCTION
3	04/08/24	REVISED
No.	Date	Issue

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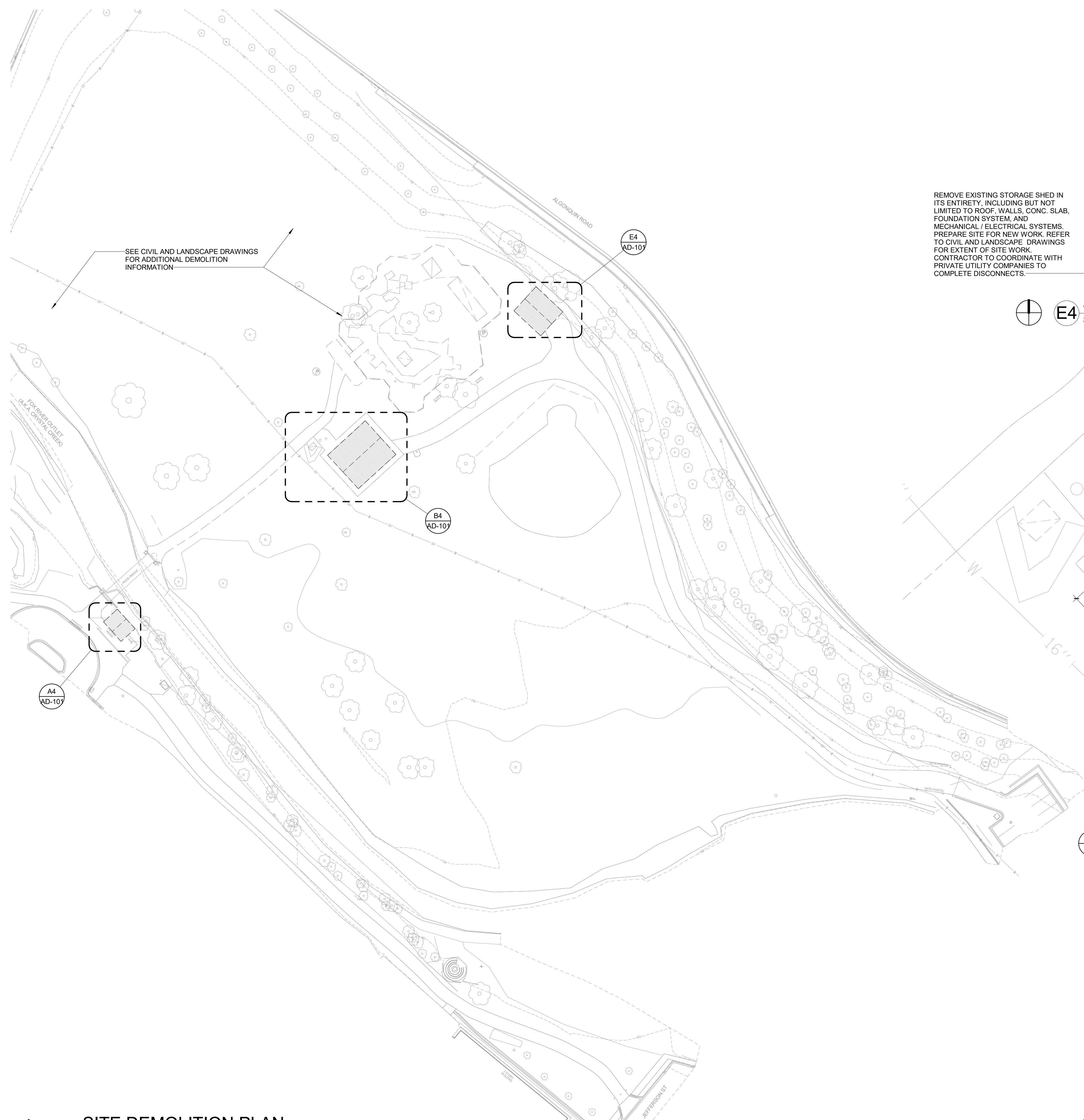
SHEET TITLE
SITE DEMOLITION
PLAN

SCALE

SHEET NUMBER

AD-101

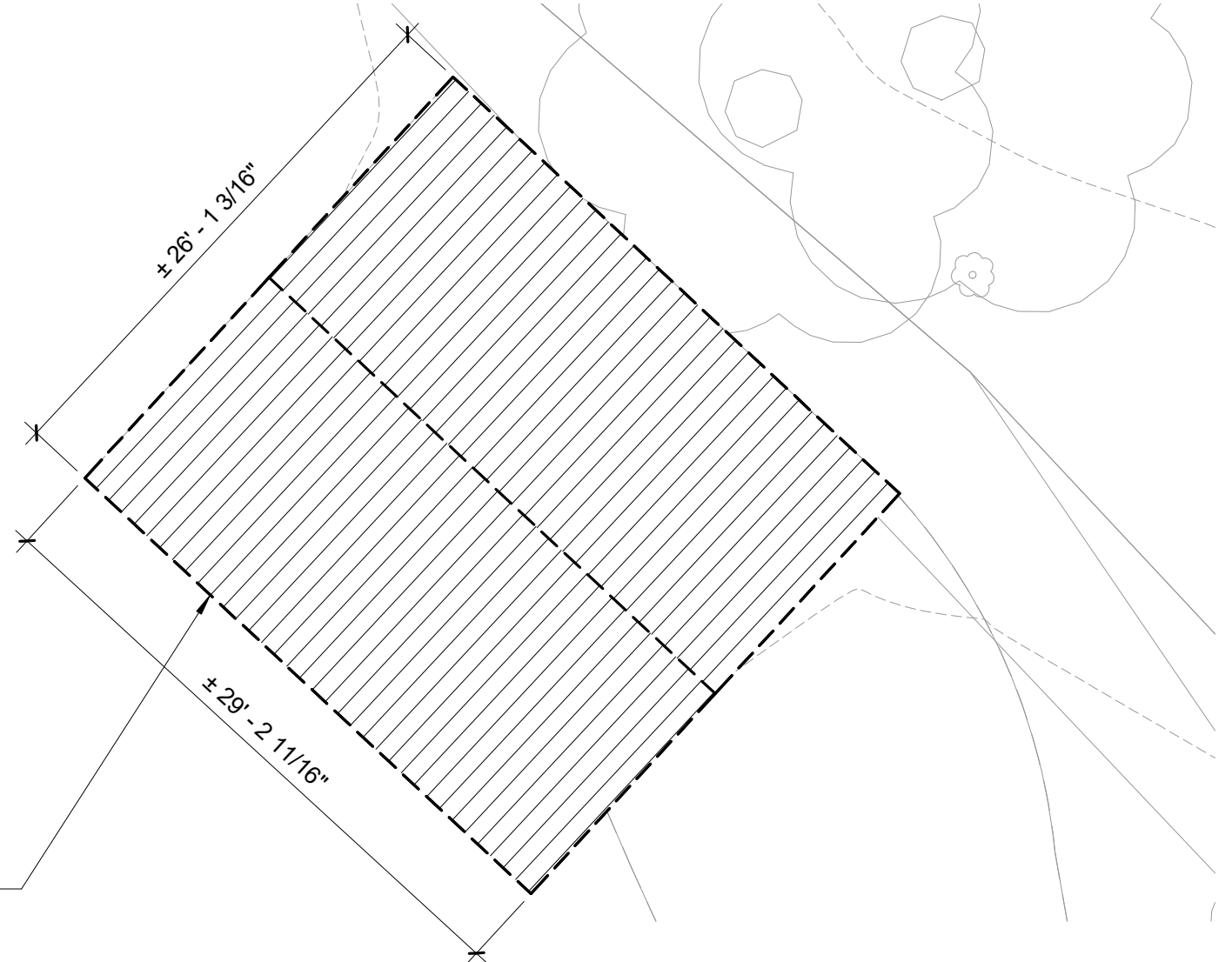
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SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION

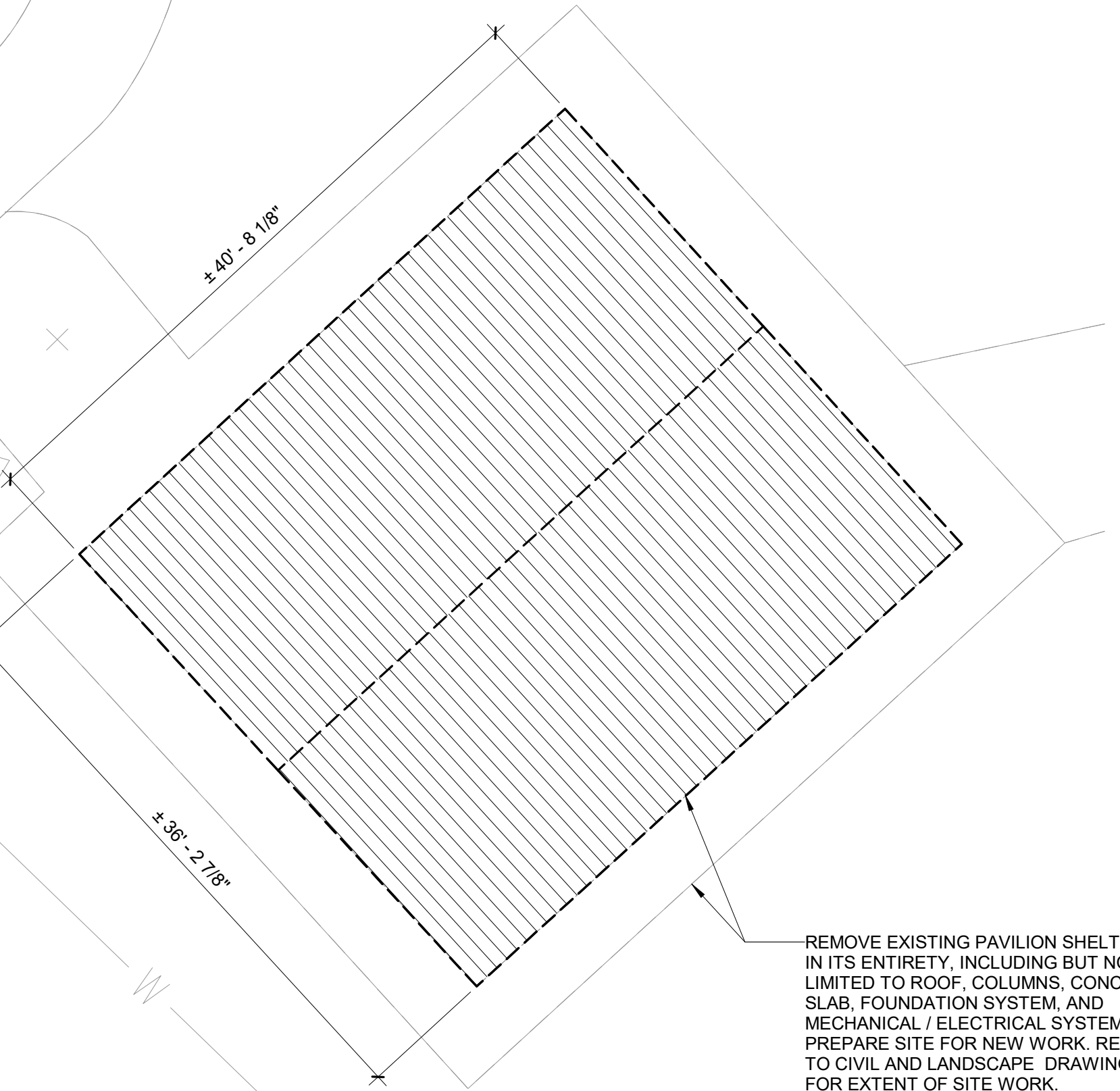
REMOVE EXISTING STORAGE SHED IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ROOF, WALLS, CONC. SLAB, FOUNDATION SYSTEM, AND MECHANICAL / ELECTRICAL SYSTEMS. PREPARE SITE FOR NEW WORK. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK. CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY COMPANIES TO COMPLETE DISCONNECTS.

E4 SITE DEMOLITION PLAN - STORAGE BLDG
Scale: 1/8" = 1'-0"



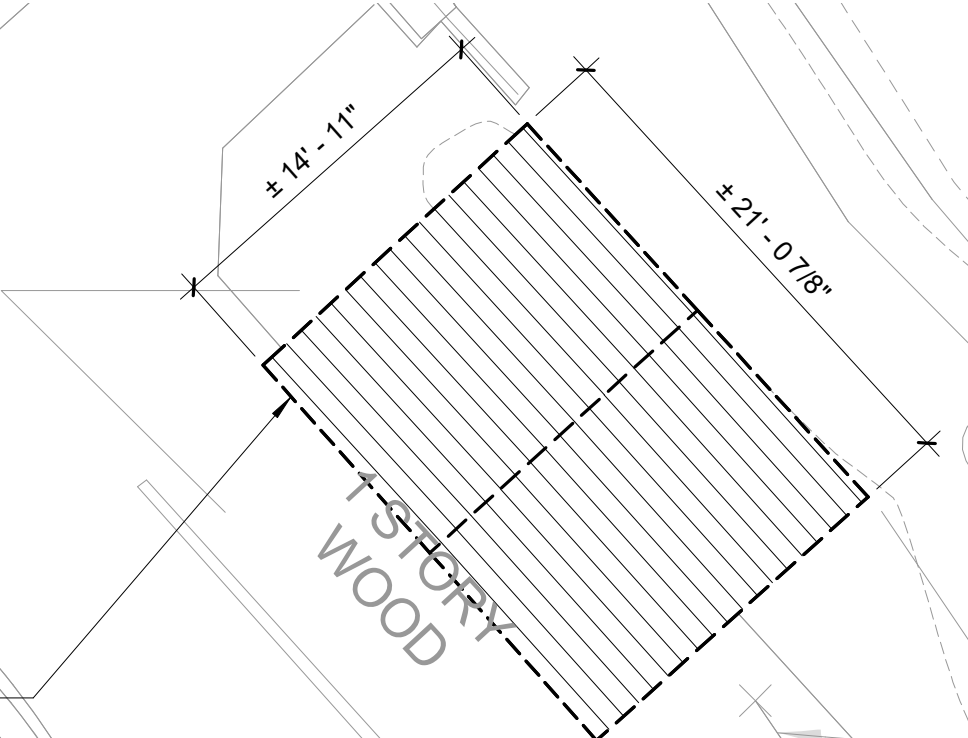
REMOVE EXISTING PAVILLION SHELTER IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ROOF, COLUMNS, CONC. SLAB, FOUNDATION SYSTEM, AND MECHANICAL / ELECTRICAL SYSTEMS. PREPARE SITE FOR NEW WORK. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK. CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY COMPANIES TO COMPLETE DISCONNECTS.

B4 SITE DEMOLITION PLAN - PAVILLION BLDG
Scale: 1/8" = 1'-0"



REMOVE EXISTING RESTROOM BUILDING IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ROOF, WALLS, CONC. SLAB, FOUNDATION SYSTEM, AND MECHANICAL / ELECTRICAL SYSTEMS. PREPARE SITE FOR NEW WORK. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK. CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY COMPANIES TO COMPLETE DISCONNECTS.

A4 SITE DEMOLITION PLAN - RESTROOM BLDG
Scale: 1/8" = 1'-0"



A1 SITE DEMOLITION PLAN
Scale: 1" = 40'-0"

5/30/2024 1:53:29 PM



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1	03/29/24	ADDENDUM #1
No.	Date	Issue

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SHEET TITLE
FIRST FLOOR ANNOTATION & DIMENSION PLAN

SCALE

SHEET NUMBER

A-111

INTERIOR PARTITION LEGEND

METAL STUD

S411-S

WALL MATERIAL IDENTIFIER: S
WALL WIDTH: 411
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 1: S
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 2: S

CMU

M6-Y

WALL MATERIAL IDENTIFIER: M6
WALL WIDTH: 6
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 1: Y
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 2: Y

OTHER MODIFIERS:

A = SPRAY FOAM INSULATION BEHIND METAL STUD
B = PROVIDE WOOD BLOCKING (INDICATE LOCATION)
F = FIRE RATED WALL (COORDINATE WITH CODE COMPLIANCE PLAN FOR RATING AND UL DESIGNATION)
M = PREFINISHED BREAK METAL
O = OMIT SOUND ATTENUATION BLANKET IN WALL
P = PANELING (WOOD VENEER)
R = IMPACT RESISTANT GYPSUM BOARD
T = WALL TILE WITH TILE BACKER BOARD
S = STONE VENEER
V = FIBER CEMENT SIDING
X = STEEL SUPPORT STRUCTURE

WALL MATERIAL IDENTIFIER & WIDTH:

MATERIALS: M = MASONRY S = METAL STUD C = C-H STUD F = FURRING
SHOWS A ROUNDED VALUE FOR THE WIDTH OF THE STRUCTURAL PORTION OF THE WALL.

M2: 2" CMU SOAP (1 5/8" ACTUAL) S1: 1 5/8" METAL STUD C3: 2 1/2" C-H STUD
M4: 4" CMU (3 5/8" ACTUAL) S2: 2 1/2" METAL STUD C4: 4" C-H STUD
M6: 6" CMU (5 5/8" ACTUAL) S3: 3 5/8" METAL STUD
M8: 8" CMU (7 5/8" ACTUAL) S4: 4" METAL STUD P8: 8" PRECAST
S6: 6" METAL STUD P12: 12" PRECAST
S8: 8" METAL STUD

OF GYP. WALL BD. LAYERS ON SIDE 1 & 2: (METAL STUD WALL ONLY)

SHOWS A VALUE FOR THE NUMBER OF LAYERS OF GWB ON EACH SIDE OF THE STUD. A 0 INDICATES ZERO LAYERS OF GWB. WHERE A WALL ONLY HAS GWB ON ONE SIDE, IT IS ALWAYS ON THE EXPOSED SIDE.

WALL HEIGHT IDENTIFIER:

(DASH) = TO STRUCTURE
A = TO BOTTOM OF ROOF TRUSS
B = TO CEILING
C = PARTIAL HEIGHT (SEE PLANS/ELEVATIONS FOR WALL HEIGHT)
C1 = PARTIAL HEIGHT SUPPORT WALL (UNDER RAISED STOREFRONT SYSTEMS)

ANNOTATION PLAN GENERAL NOTES

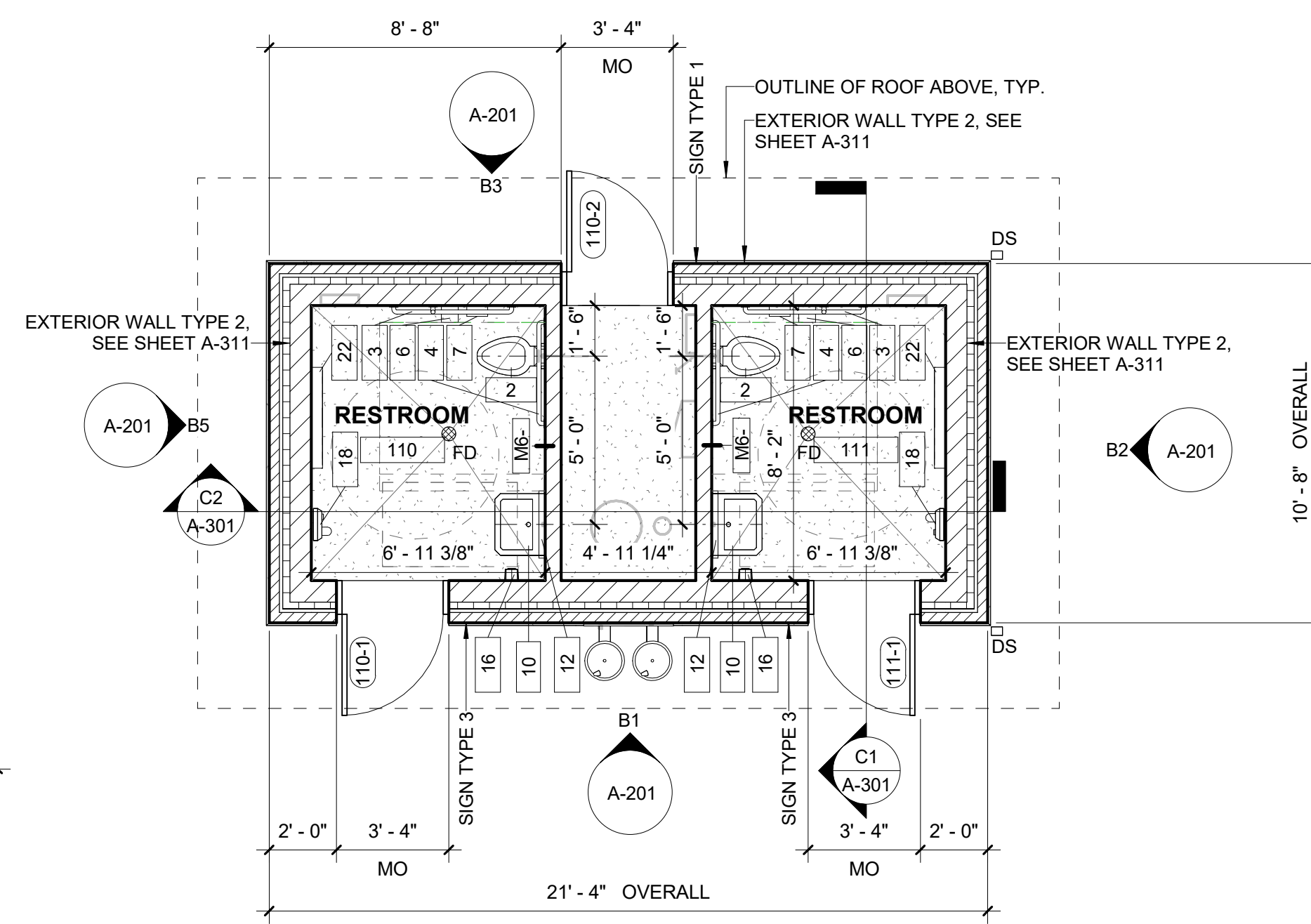
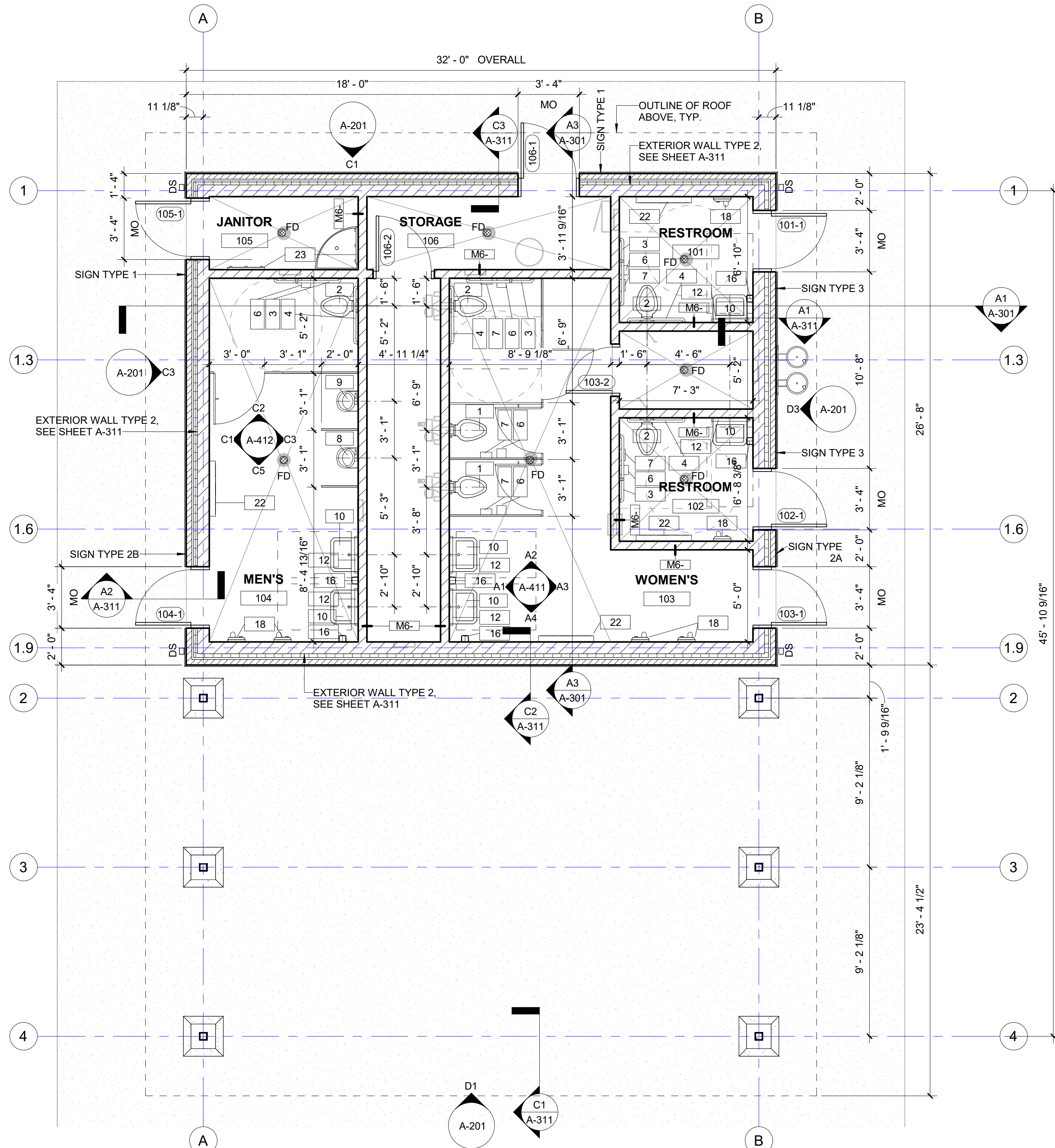
- ANY SITE WORK IS SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK.
- REFER TO STRUCTURAL NOTES FOR ADDITIONAL REINFORCING REQUIREMENTS.
- REFER TO SHEET A-601 FOR TYPICAL DOORS AND FRAMES.
- ANY MEP EQUIPMENT SHOWN IS FOR REFERENCE ONLY. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND PLUMBING WORK.
- INTERIOR FLOOR WHERE FLOOR DRAIN PRESENT, SLOPE FLOOR TO FLOOR DRAIN; MIN: 1/8" / 12" AND MAX: 1/4" / 12". REF PLUMBING DRAWINGS.

DIMENSION PLAN GENERAL NOTES

- INTERIOR DIMENSIONS ARE TO FACE OF METAL STUD OR CMU UNIT AND TO CENTERLINES OF COLUMNS, U.N.O.
- REFER TO CODE PLANS FOR GRAPHIC REPRESENTATION AND U.L. DESIGNS OF RATED WALLS AND SMOKE PARTITIONS.
- EXTEND PARTITIONS TO UNDERSIDE OF STRUCTURE/DECK, U.N.O.
- FINAL WALL PREP REQUIREMENTS ARE BASED ON FINISH SHOWN IN ROOM FINISH SCHEDULE AND WITH THE SPECIFICATIONS.
- BACK-TO-BACK OUTLETS CANNOT OCCUPY SAME STUD CAVITY SPACE. IN ACOUSTICALLY TREATED WALLS, PROVIDE ACOUSTIC PUTTY PADS AROUND OUTLET BOXES.
- SEE PLANS AND DETAIL PLANS FOR CHASE DIMENSIONS.
- REFER TO DETAIL PLANS AND SECTIONS FOR FURTHER DESCRIPTION OF INTERIOR PARTITIONS.

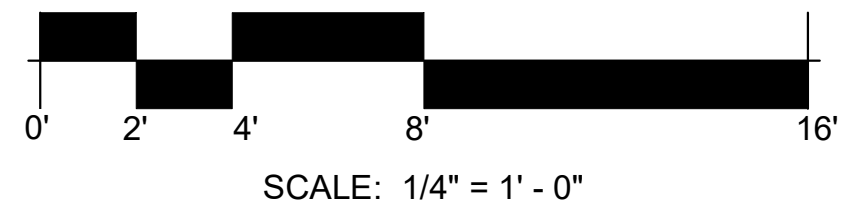
ANNOTATION & DIMENSION PLAN LEGEND

1 — SPECIALTY EQUIPMENT TAG
SEE FIXTURE MOUNTING HEIGHTS ON SHEET A-411



A1 FIRST FLOOR ANNOTATION AND DIMENSION PLAN - SHELTER
Scale: 1/4" = 1'-0"

A3 FIRST FLOOR ANNOTATION AND DIMENSION PLAN - TOILET
Scale: 1/4" = 1'-0"





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SHEET TITLE
FIRST FLOOR ANNOTATION & DIMENSION PLAN

SCALE

SHEET NUMBER

A-112

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ANNOTATION PLAN GENERAL NOTES

- ANY SITE WORK IS SHOWN FOR REFERENCE ONLY. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK.
- REFER TO STRUCTURAL NOTES FOR ADDITIONAL REINFORCING REQUIREMENTS.
- REFER TO SHEET A-601 FOR TYPICAL DOORS AND FRAMES.
- ANY MEP EQUIPMENT SHOWN IS FOR REFERENCE ONLY. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND PLUMBING WORK.
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- SEE PLANS AND DETAIL PLANS FOR CHASE DIMENSIONS.
- REFER TO DETAIL PLANS AND SECTIONS FOR FURTHER DESCRIPTION OF INTERIOR PARTITIONS.

ANNOTATION & DIMENSION PLAN LEGEND

1 - SPECIALTY EQUIPMENT TAG
SEE FIXTURE MOUNTING HEIGHTS ON SHEET A-411

INTERIOR PARTITION LEGEND

METAL STUD **S411-S**

WALL MATERIAL IDENTIFIER
WALL WIDTH
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 1
TAG LEADER
OTHER MODIFIERS
WALL HEIGHT IDENTIFIER
OF LAYERS (GWB, CEMENT BOARD, WOOD) ON SIDE 2

WALL MATERIAL IDENTIFIER & WIDTH:
MATERIALS: M = MASONRY S = METAL STUD C = C-H STUD F = FURRING
SHOWS A ROUNDED VALUE FOR THE WIDTH OF THE STRUCTURAL PORTION OF THE WALL.

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M6: 6" CMU (5 5/8" ACTUAL) S3: 3 5/8" METAL STUD
M8: 8" CMU (7 5/8" ACTUAL) S4: 4" METAL STUD P8: 8" PRECAST
S6: 6" METAL STUD P12: 12" PRECAST
S8: 8" METAL STUD

F1: 7/8" METAL FURRING CHANNEL W/ 5/8" GYP. BD (1 1/2" ACTUAL)
F2: 1 1/2" METAL FURRING CHANNEL W/ 5/8" GYP. BD (2 1/8" ACTUAL)
F3: 2 1/2" METAL STUD W/ 5/8" GYP. BD ONE SIDE (3 1/8" ACTUAL)

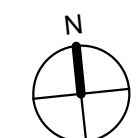
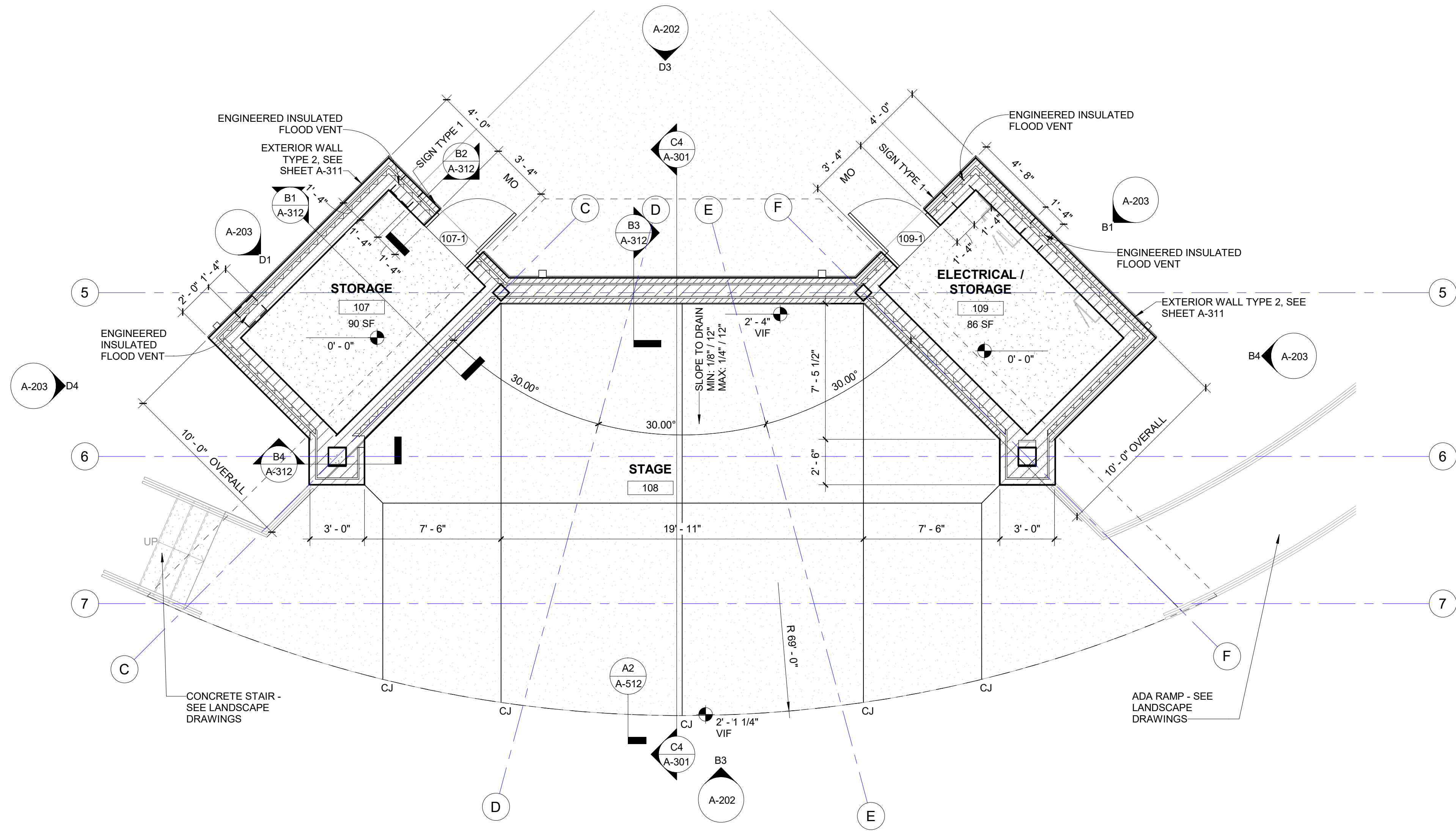
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C = PARTIAL HEIGHT (SEE PLANS/ELEVATIONS FOR WALL HEIGHT)
C1 = PARTIAL HEIGHT SUPPORT WALL (UNDER RAISED STOREFRONT SYSTEMS)

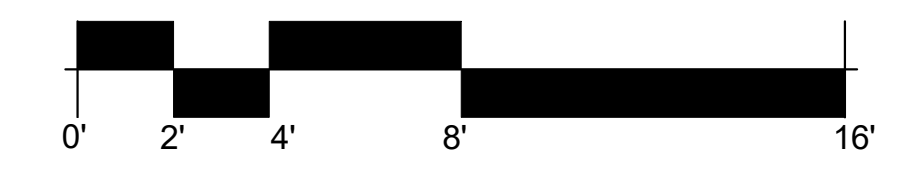
CMU **M6-Y**

WALL MATERIAL IDENTIFIER
WALL WIDTH
TAG LEADER
OTHER MODIFIERS
WALL HEIGHT IDENTIFIER

OTHER MODIFIERS:
A = SPRAY FOAM INSULATION BEHIND METAL STUD
B = PROVIDE WOOD BLOCKING (INDICATE LOCATION)
F = FIRE RATED WALL (COORDINATE WITH CODE COMPLIANCE PLAN FOR RATING AND U.L. DESIGNATION)
M = PREFINISHED BREAK METAL
O = OMIT SOUND ATTENUATION BLANKET IN WALL
P = PANELING (WOOD VENEER)
R = IMPACT RESISTANT GYPSUM BOARD
T = WALL TILE WITH TILE BACKER BOARD
S = STONE VENEER
V = FIBER CEMENT SIDING
X = STEEL SUPPORT STRUCTURE



FIRST FLOOR ANNOTATION AND DIMENSION PLAN - BANDSHELL
Scale: 1/4" = 1'-0"





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SHEET TITLE

FIRST FLOOR CEILING AND FINISH PLANS

SCALE

SHEET NUMBER

A-113

CEILING PLAN GENERAL NOTES

- ELECTRICAL, MECHANICAL, AND TECHNOLOGY FIXTURES AND DEVICES ARE SHOWN FOR REFERENCE AND TO COORDINATE PLACEMENT. REFER TO ENGINEERING DRAWINGS FOR INFORMATION REGARDING TYPE AND OTHER FIXTURE AND DEVICE INFORMATION.
- EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION COMPONENTS (EXCEPT SPRINKLER HEADS) ARE TO BE PAINTED, U.N.O.
- COORDINATE LOCATION OF ACCESS PANELS WITH MECHANICAL/ELECTRICAL CONTRACTORS.
- IN ROOMS WITH EXPOSED CEILINGS, MOUNT LIGHT FIXTURES TO UNDERSIDE OF STRUCTURE. OTHER MEP/FP ITEMS TO MAINTAIN A MINIMUM CLEARANCE OF 9'-0" A.F.F.
- SEE ELECTRICAL LIGHTING PLANS FOR EMERGENCY LIGHT FIXTURE LOCATIONS.
- CONTRACTOR TO COORDINATE CEILING FIXTURE LOCATIONS WITH ABOVE-CEILING WORK TO AVOID CONFLICTS.

FINISH PLAN GENERAL NOTES

- FINISH INDICATES ENTIRE SURFACE, U.N.O.
- FINISH ON SOFFITS INDICATES ENTIRE FACE AND BOTTOM, U.N.O.
- CEILINGS AND SOFFITS TO BE **PNT-1**, U.N.O.
- HOLLOW METAL FRAMES TO BE **PNT-2**.

INTERIOR FINISH LEGEND

ROOM NAME

101 WALL FINISH
PT-X RB-X BASE FINISH
CPT-X FLOOR FINISH

ROOM FINISH TAG

COMMENTS: 22 NOTES (IF APPLICABLE)

XXX ACCENT WALL MATERIAL / COLOR

XXX FLOOR FINISH TRANSITION TAG

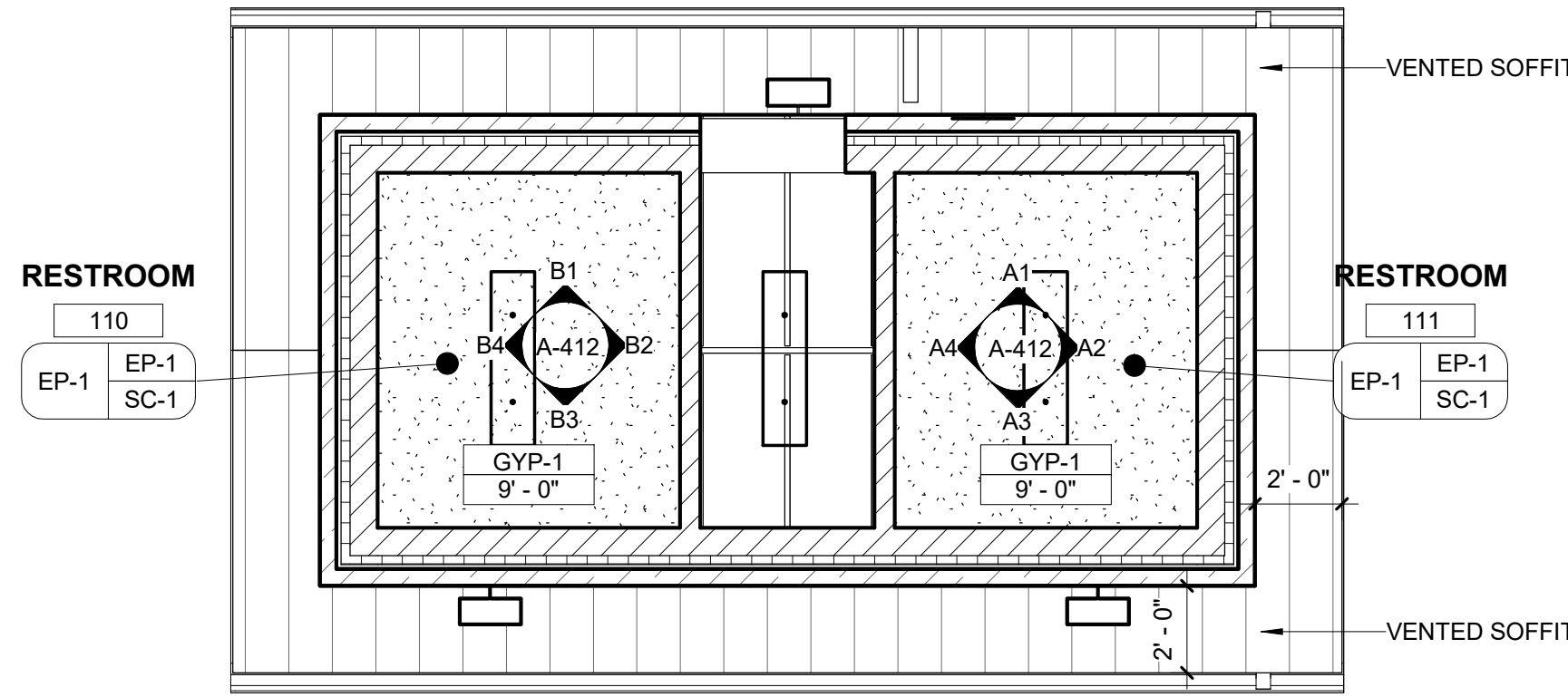
FINISH LIST

FINISH	COMMENTS
CEILING FINISHES	
PAINT (PNT)	
PNT-1	TO BE DETERMINED
PNT-2	TO BE DETERMINED
FLOOR FINISHES	
SEALED CONCRETE (SC)	
SC-1	SEE SPECIFICATIONS
HIGH PERFORMANCE COATING	
HPC-1	TO BE DETERMINED
WALL FINISHES	
EPOXY PAINT (EP)	
EP-1	TO BE DETERMINED

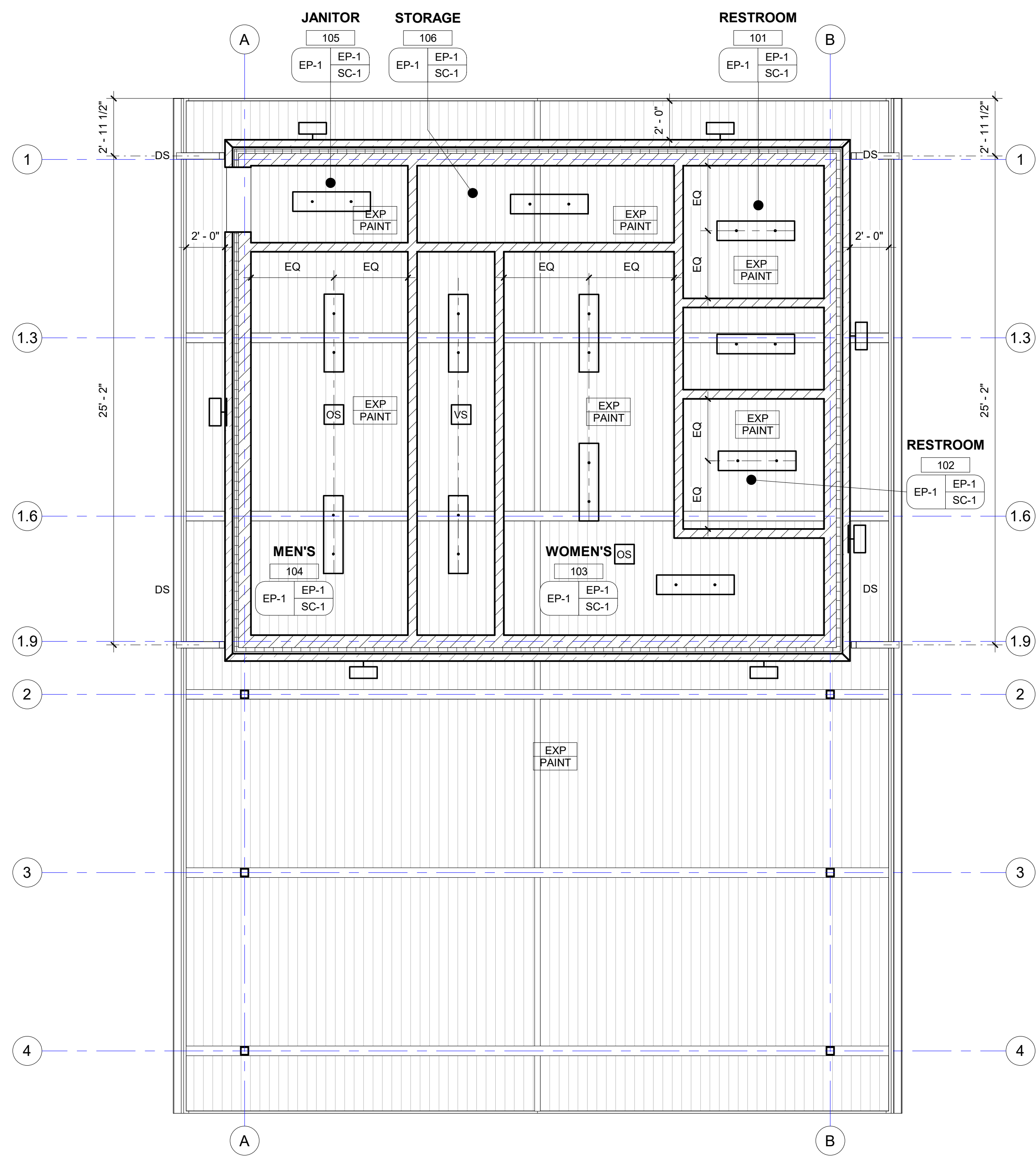
CEILING LEGEND

CEILING TYPE	CEILING HEIGHT	EXIT SIGN	SPEAKER
ACT-X 8'-0"	GYPSUM BOARD CEILING (GYP-1)	(S)	(A)
EXP PAINT	EXPOSED T&G ROOF DECKING (WDD-1)	(A)	(A)
CJ	VENTED METAL SOFFIT	(A)	(A)
EXP PAINT	EXPOSED CEILING (PAINT)	(A)	(A)
CJ	CONTROL JOINT	(A)	(A)
EXP PAINT	CEILING ACCESS PANEL (AP-#) SEE PLAN FOR TYPE	(A)	(A)
EXP PAINT	RECESSED LIGHT FIXTURE	(A)	(A)
EXP PAINT	PENDANT FIXTURE	(A)	(A)
EXP PAINT	SURFACE MOUNTED LIGHT FIXTURE	(A)	(A)
EXP PAINT	STRIP FIXTURE	(A)	(A)
EXP PAINT	RECESSED LIGHT FIXTURE	(A)	(A)
EXP PAINT	EMERGENCY LIGHT	(A)	(A)
EXP PAINT	EXIT SIGN	(A)	(A)
EXP PAINT	SPEAKER	(A)	(A)
EXP PAINT	FIRE ALARM	(A)	(A)
EXP PAINT	HEAT DETECTOR	(A)	(A)
EXP PAINT	SMOKE DETECTOR	(A)	(A)
EXP PAINT	SPRINKLER HEAD	(A)	(A)
EXP PAINT	OCCUPANCY SENSOR	(A)	(A)
EXP PAINT	HORN/STROBE DEVICE	(A)	(A)
EXP PAINT	SPEAKER/STROBE	(A)	(A)
EXP PAINT	STROBE	(A)	(A)
EXP PAINT	SUPPLY DIFFUSER	(A)	(A)
EXP PAINT	RETURN DIFFUSER	(A)	(A)
EXP PAINT	EXHAUST AIR DEVICE	(A)	(A)
EXP PAINT	LINEAR SLOT DIFFUSER	(A)	(A)

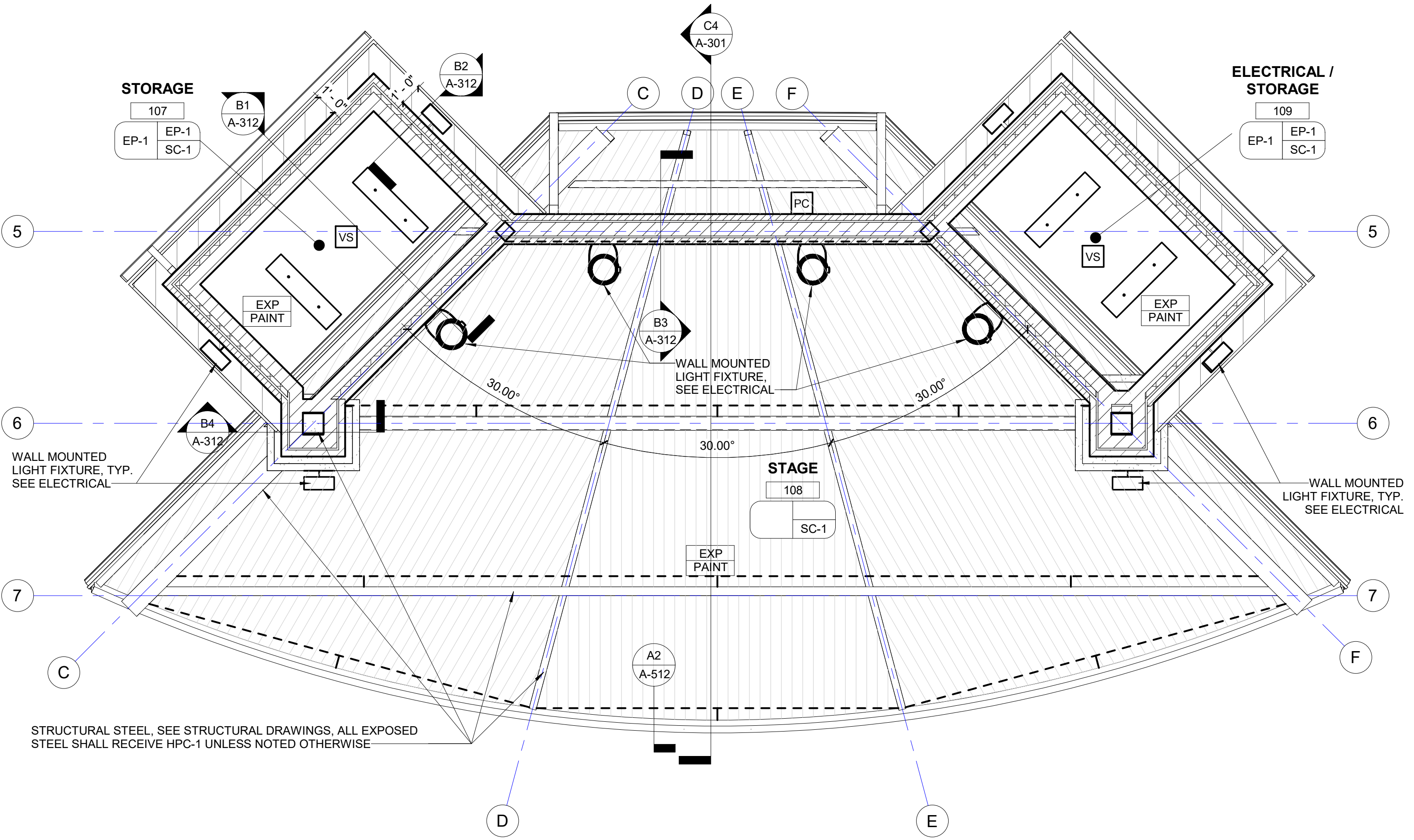
NOTE: FOR MEP/FP DEVICES, REFER TO MEP/FP DRAWINGS.



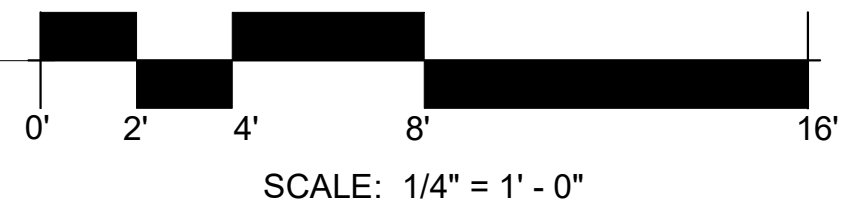
D1 FIRST FLOOR REFLECTED CEILING PLAN - TOILET
Scale: 1/4" = 1'-0"



A1 FIRST FLOOR REFLECTED CEILING PLAN - SHELTER
Scale: 1/4" = 1'-0"



A3 FIRST FLOOR REFLECTED CEILING PLAN - BANDSHELL
Scale: 1/4" = 1'-0"





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No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
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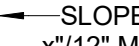
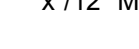


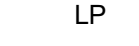


SHEET TITLE
ROOF PLANS

SCALE

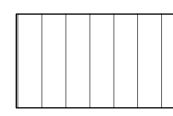

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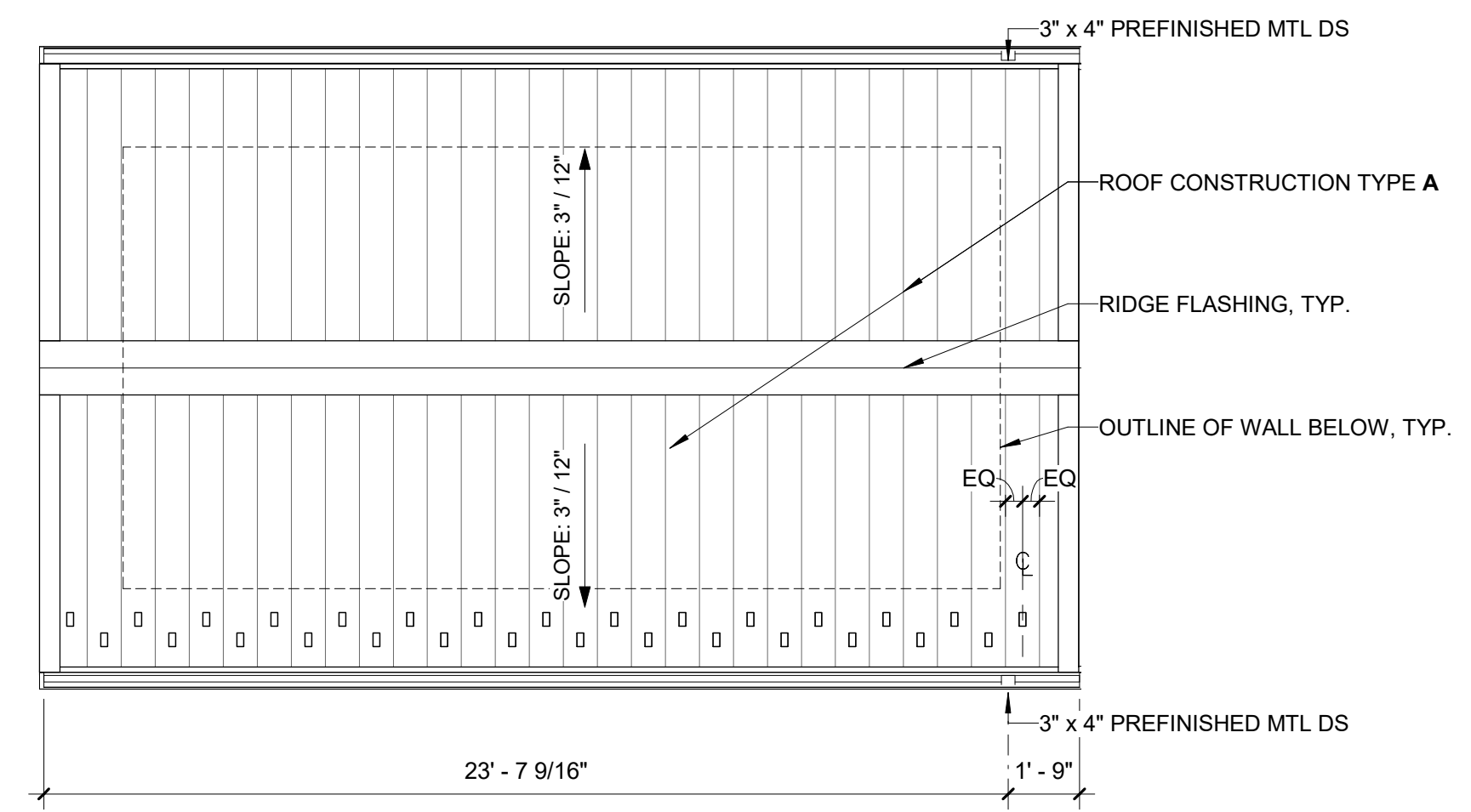
A-130

ROOF PLAN LEGEND

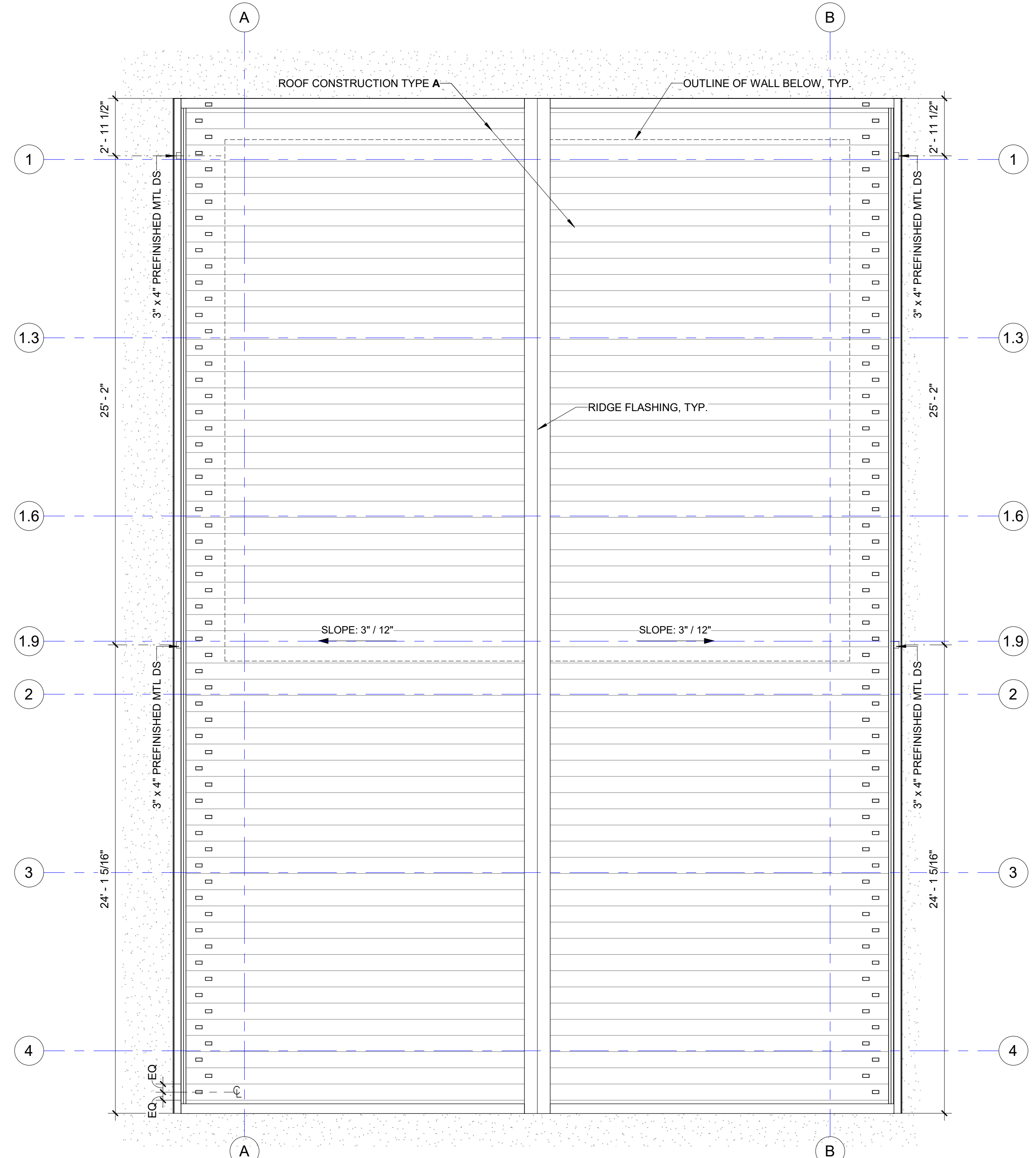
	EXPANSION JOINT - SEE DRAWINGS FOR SIZE
	ROOF SLOPE DIRECTION
	x/12" MIN.
	VENT THROUGH ROOF, REFER TO MECHANICAL DWG'S
	SNOW GUARD BRACKETS
	HIGH POINT
	LOW POINT
	DOWNSPOUT

ROOF CONSTRUCTION TYPE

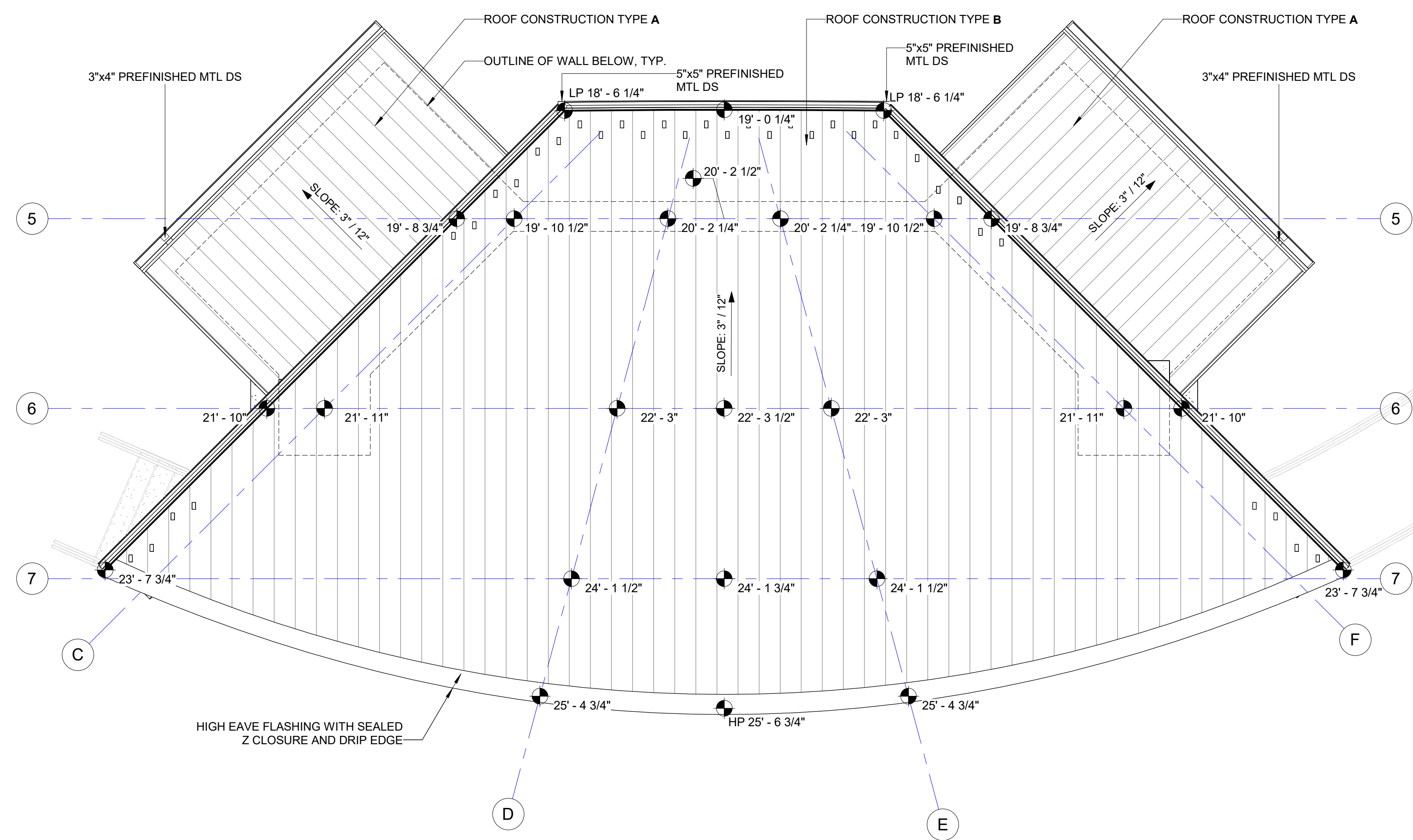
	ROOF CONSTRUCTION TYPE A - STANDING SEAM METAL ROOF - ICE AND WATER SHIELD - 5" MINIMUM INSULATION (MIN R-30) - VAPOR BARRIER - 1/2" EXTERIOR PLYWOOD SHEATHING - WD T&G DECK (REFER TO STRUCTURAL DRAWINGS)
	ROOF CONSTRUCTION TYPE B - STANDING SEAM METAL ROOF - ICE AND WATER SHIELD - 1/2" EXTERIOR PLYWOOD SHEATHING - WD T&G DECK (REFER TO STRUCTURAL DRAWINGS)



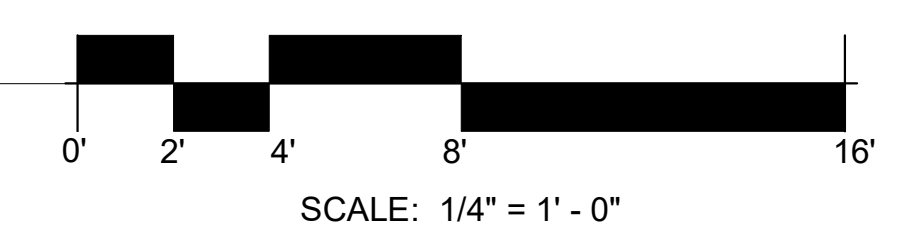
D1 ROOF PLAN - TOILET
Scale: 1/4" = 1'-0"



A1 ROOF PLAN - SHELTER
Scale: 1/4" = 1'-0"



A3 ROOF PLAN - BANDSHELL
Scale: 1/4" = 1'-0"



PREPARED FOR

Village of Algonquin

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

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ISSUED FOR CONSTRUCTION
REVISIONS

No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
1	03/29/24	ADDENDUM #1
No.	Date	Issue

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DRAWN BY JNF

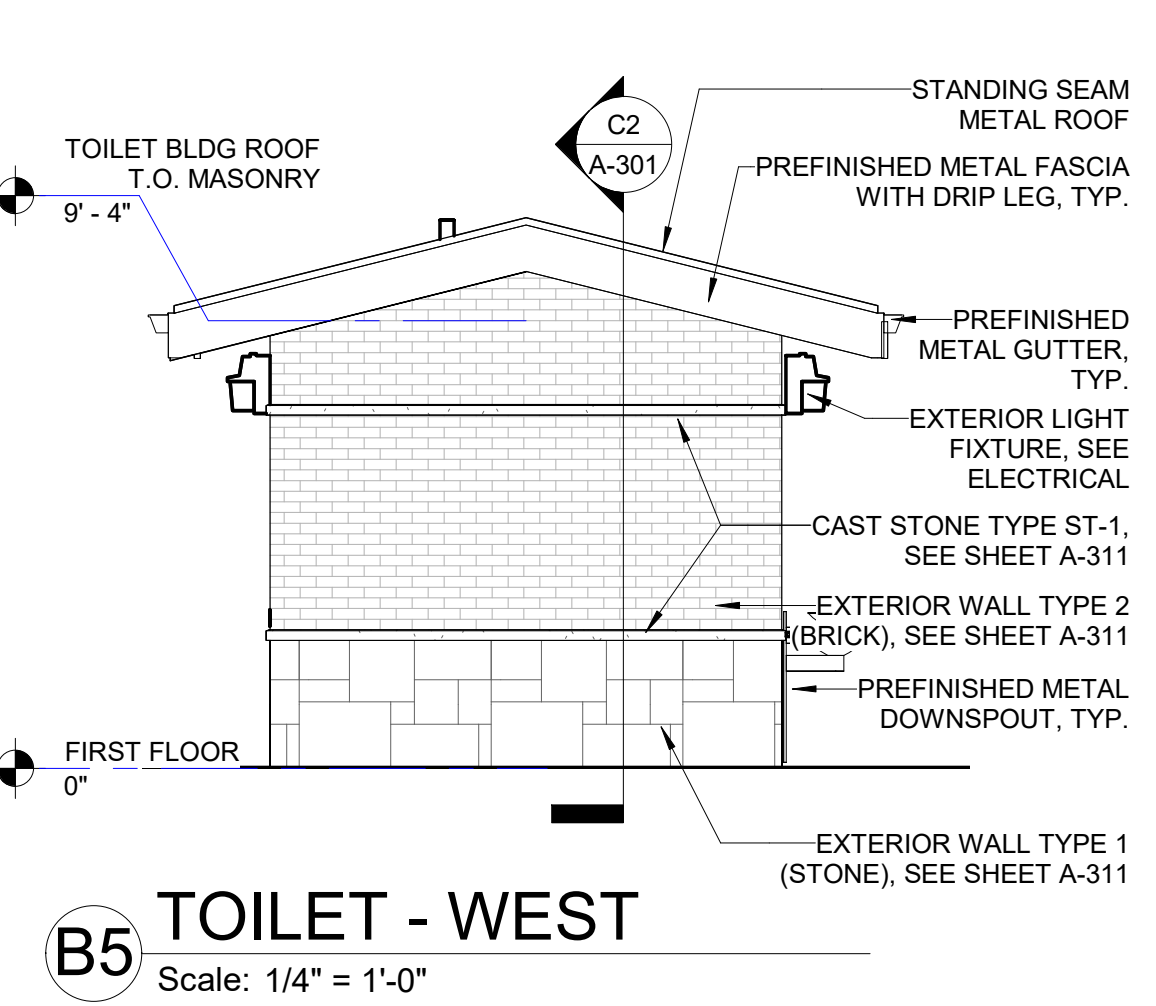
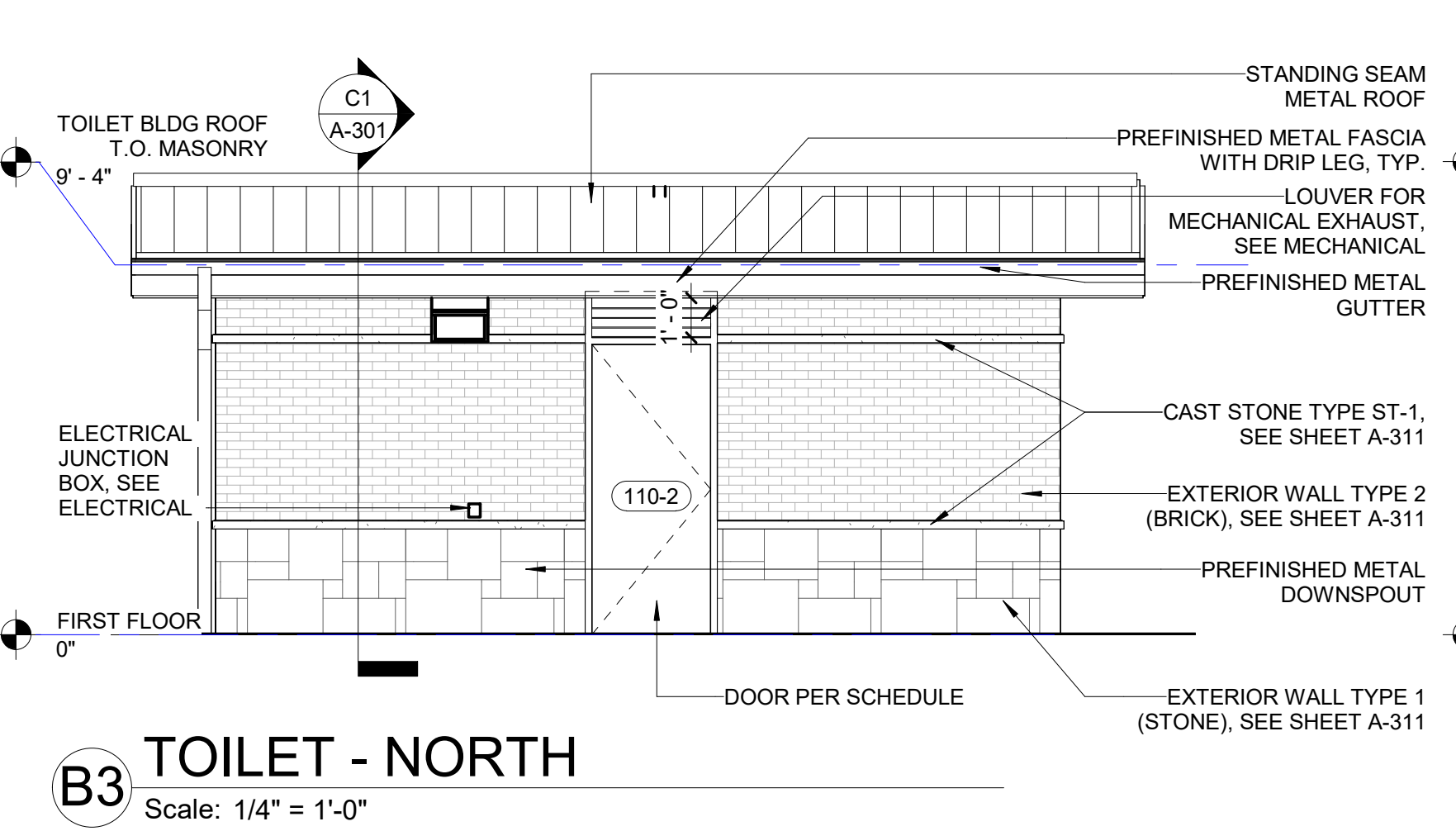
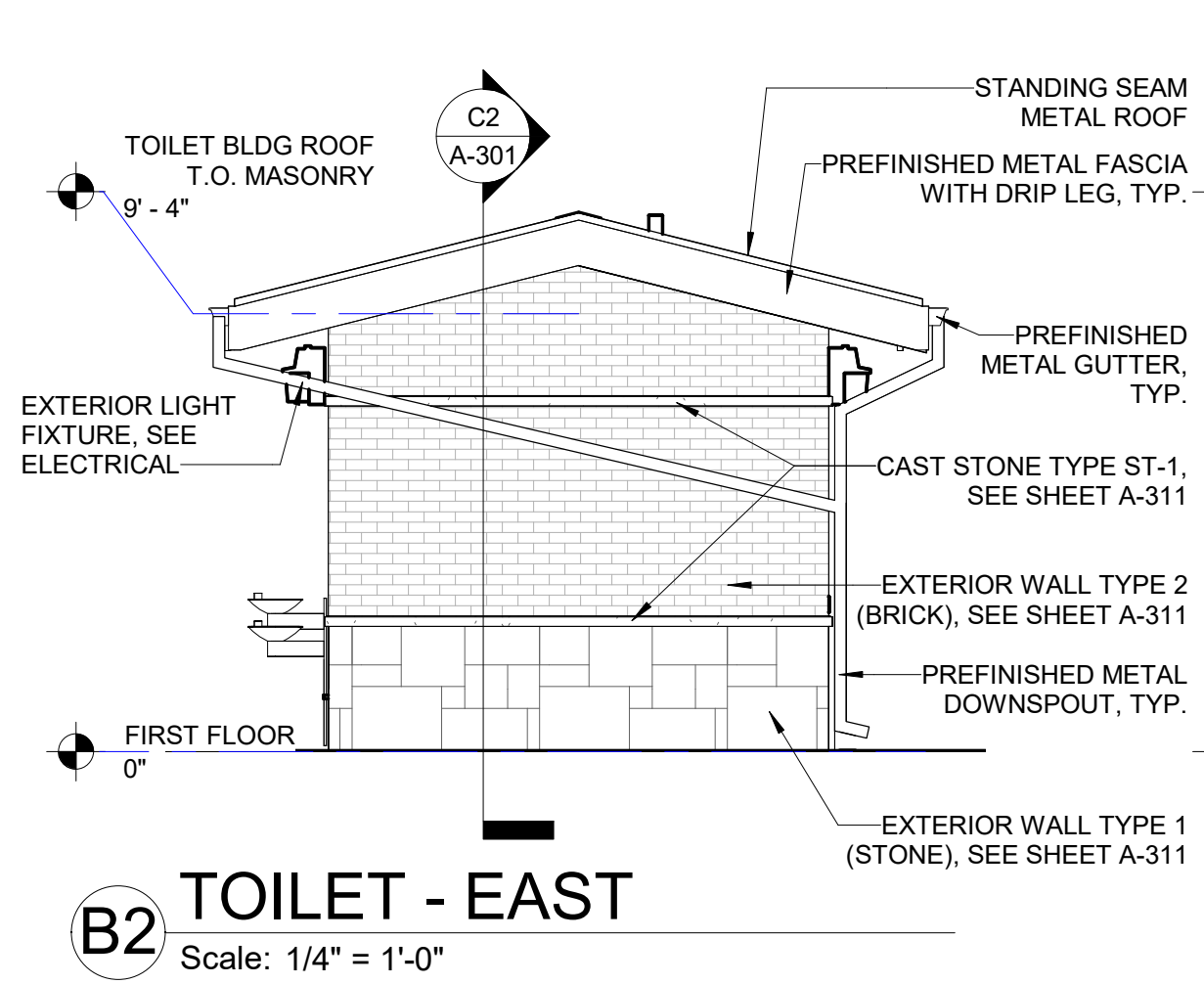
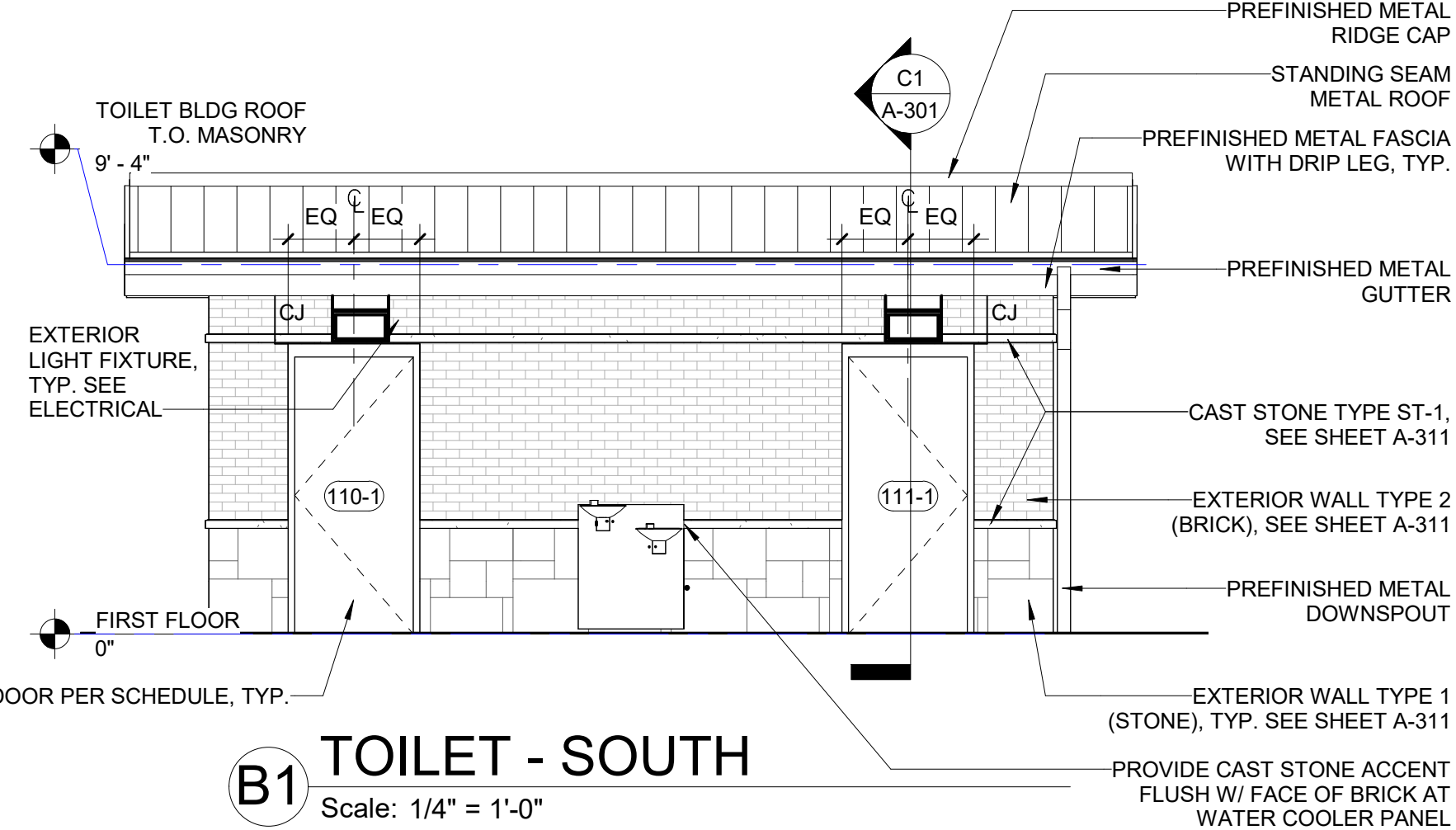
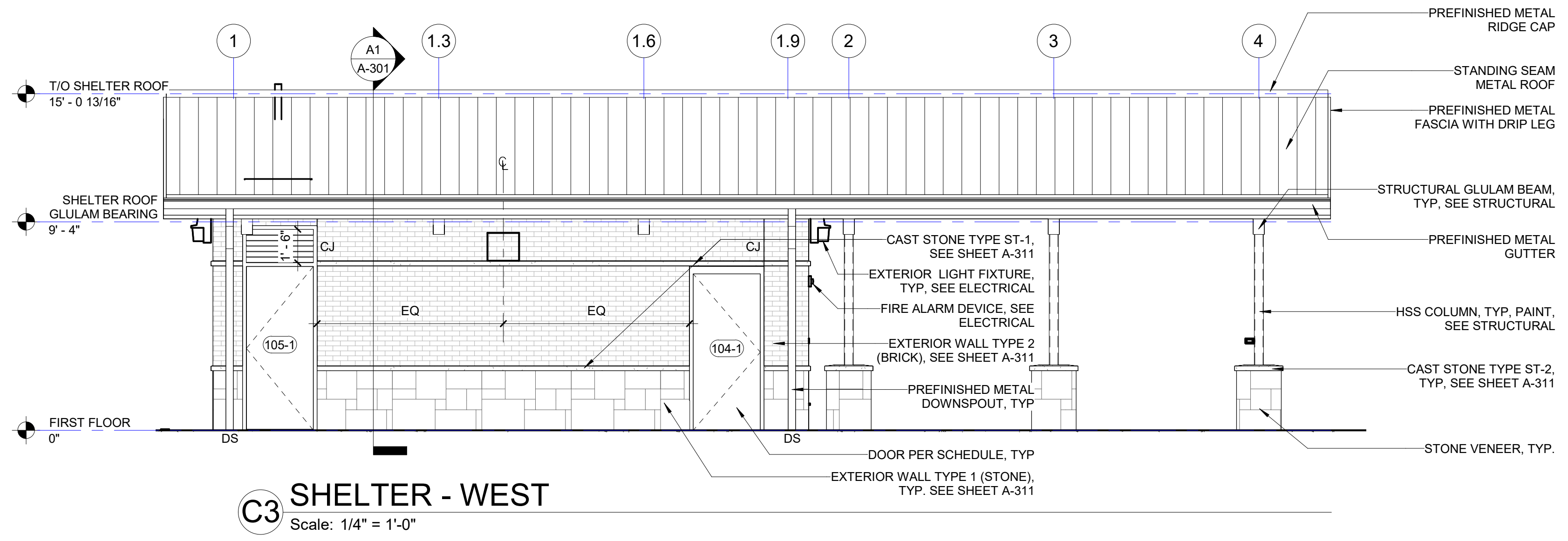
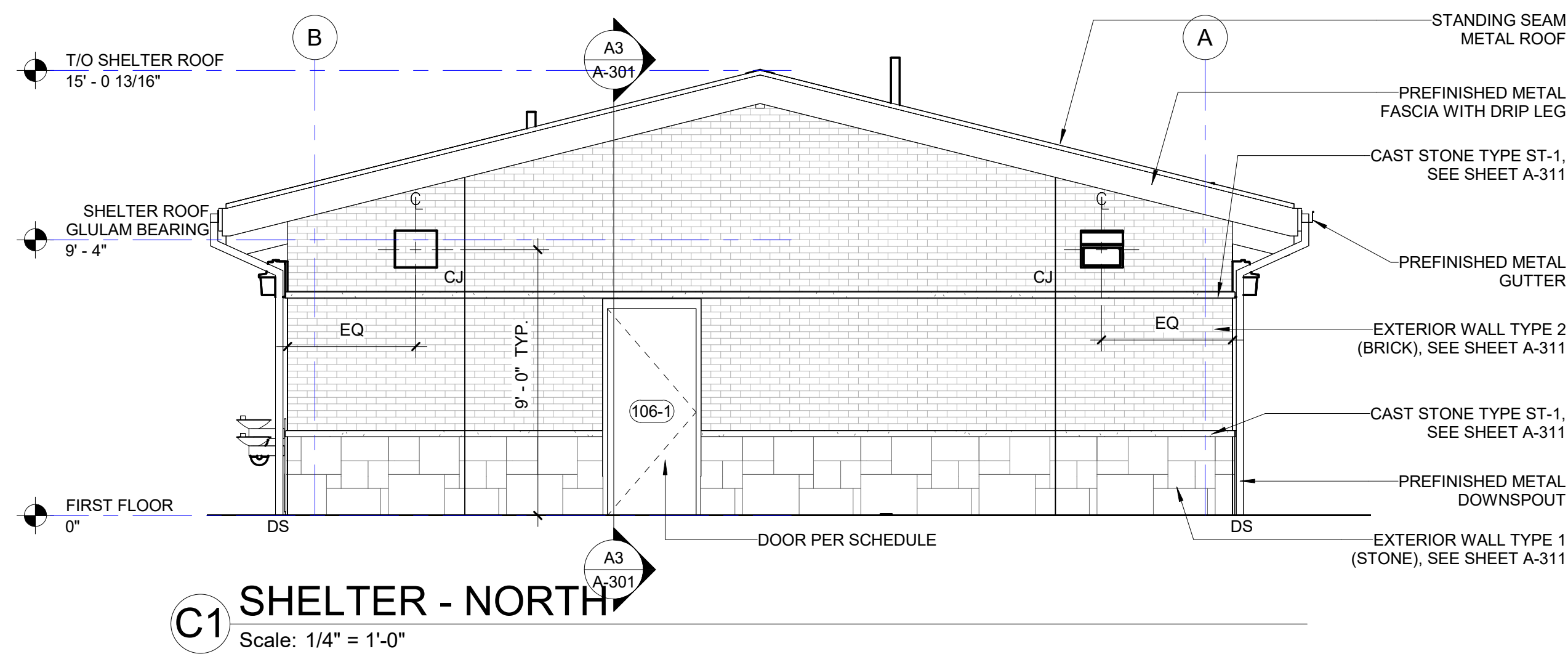
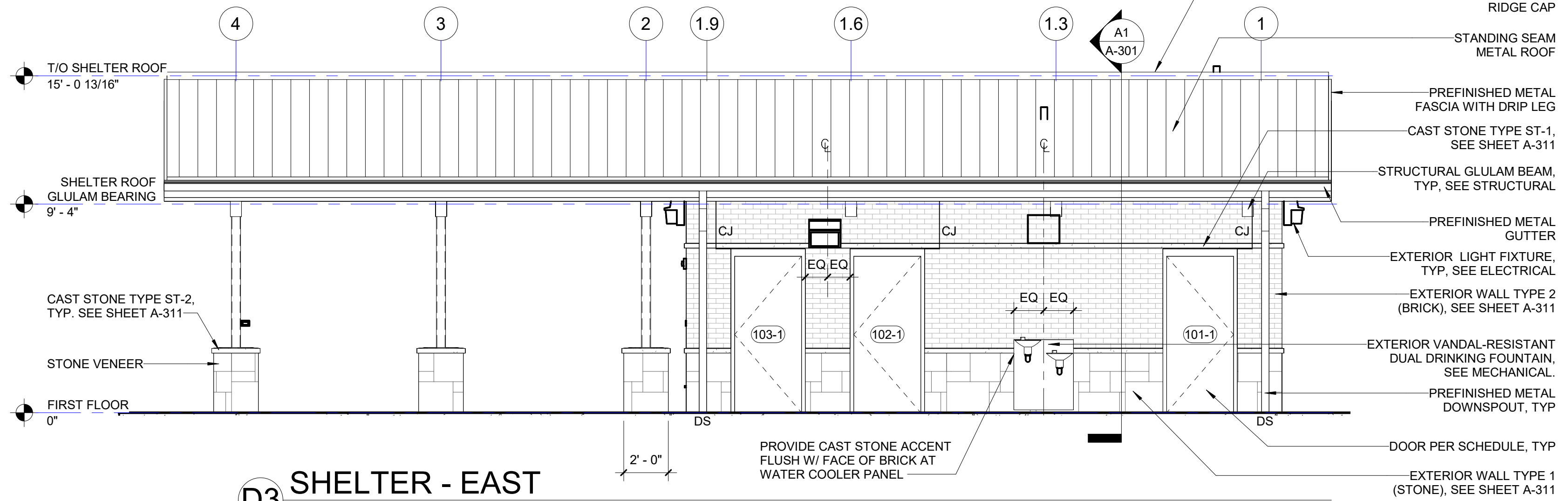
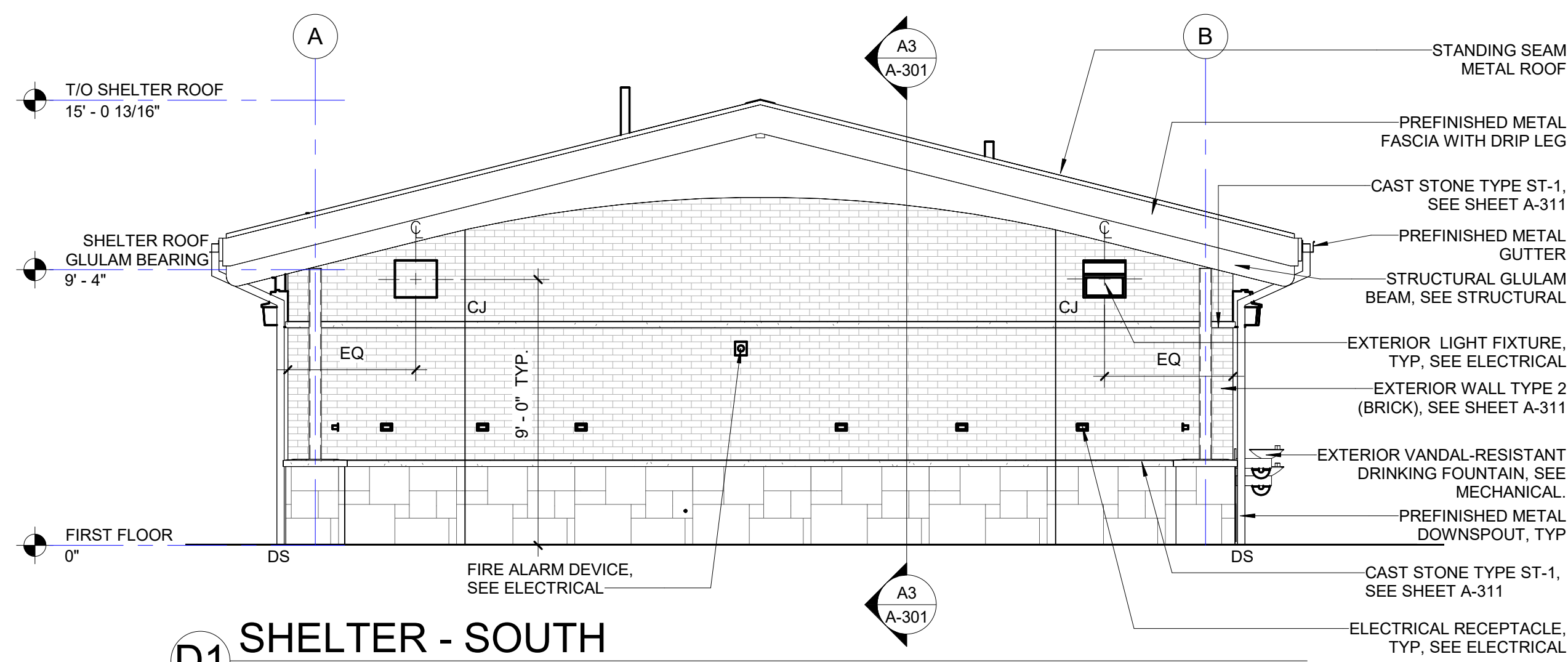
SHEET TITLE

EXTERIOR ELEVATIONS

SCALE

SHEET NUMBER

A-201



EXTERIOR ELEVATION LEGEND	
	STONE WALL
	BRICK WALL
	CMU WALL
	STANDING SEAM METAL ROOF

NOTES:
SEE SHEET A-311 FOR EXTERIOR WALL TYPES
PROVIDE SMOOTH STONE BEHIND ALL BUILDING SYSTEM DEVICES MOUNTED ON STONE INCLUDING BUT NOT LIMITED TO SWITCHES, ELECTRICAL OUTLETS, DATA PORTS, FIRE ALARM DEVICES, WALL MOUNTED LIGHT FIXTURES, ETC.

PREPARED FOR

Village of Algonquin

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

100 Jefferson St.
Algonquin, IL 60102

CONSULTANTS

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REVISIONS

No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
2	04/04/24	ADDENDUM #2
No.	Date	Issue

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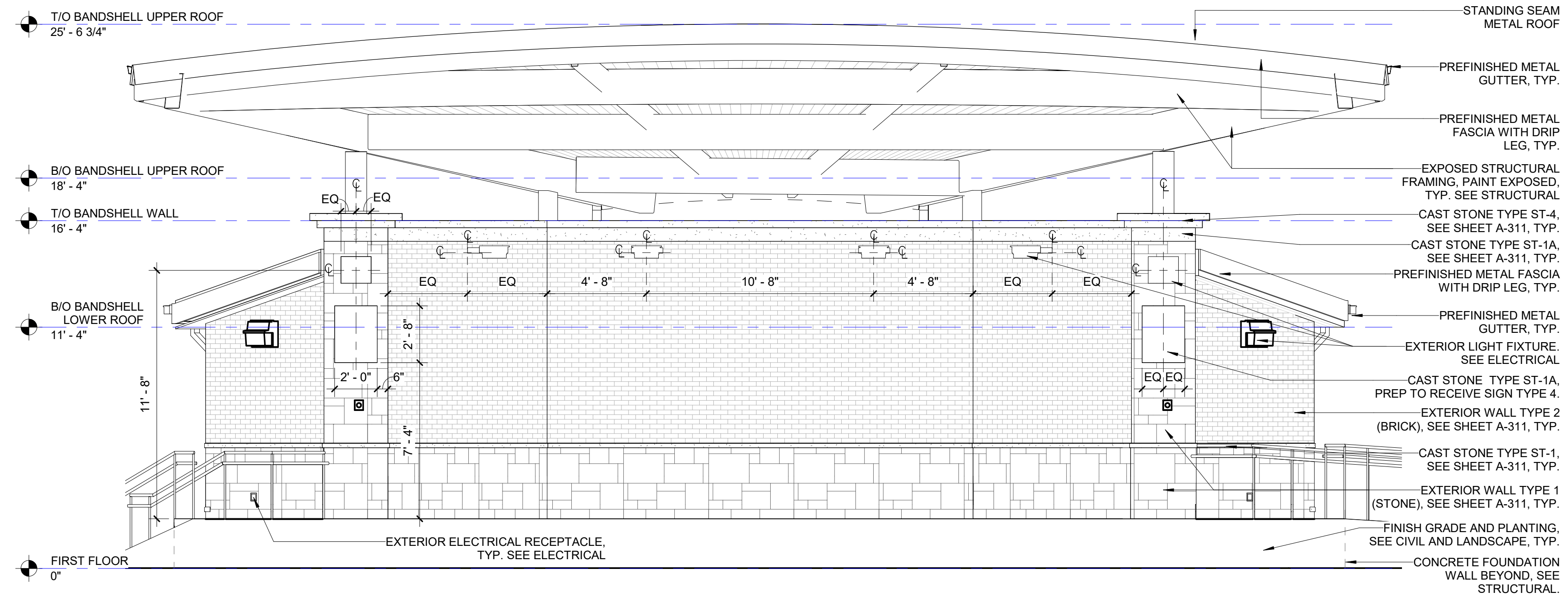
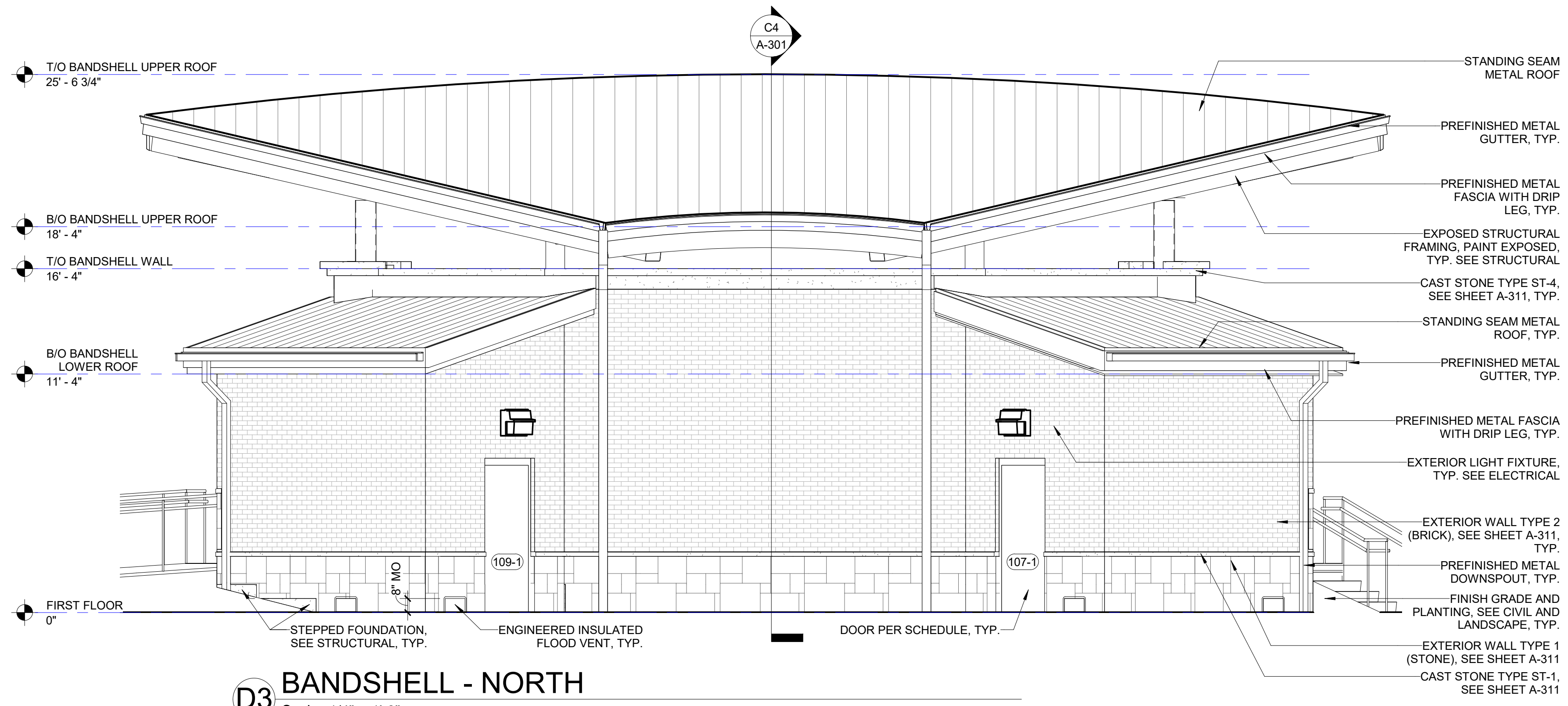
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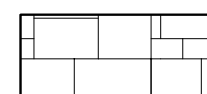
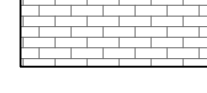
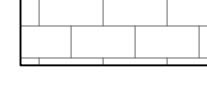
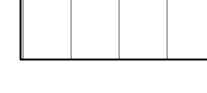
EXTERIOR ELEVATIONS

SCALE

SHEET NUMBER

A-202



EXTERIOR ELEVATION LEGEND	
	STONE WALL
	BRICK WALL
	CMU WALL
	STANDING SEAM METAL ROOF
NOTES: SEE SHEET A-311 FOR EXTERIOR WALL TYPES PROVIDE SMOOTH STONE BEHIND ALL BUILDING SYSTEM DEVICES MOUNTED ON STONE INCLUDING BUT NOT LIMITED TO SWITCHES, ELECTRICAL OUTLETS, DATA PORTS, FIRE ALARM DEVICES, WALL MOUNTED LIGHT FIXTURES, ETC.	



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REVISIONS

No.	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
2	04/04/24	ADDENDUM #2
No.	Date	Issue

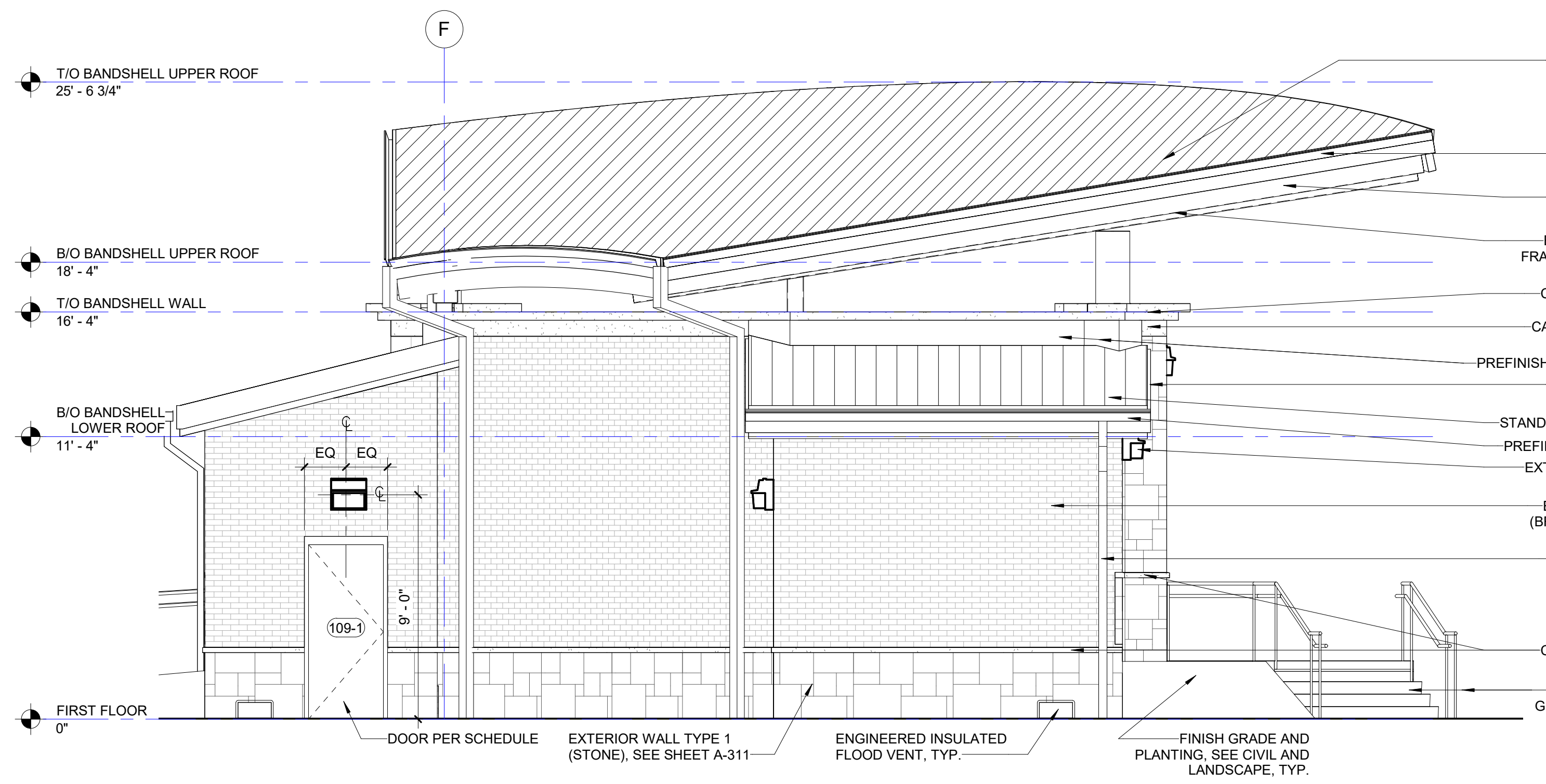
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SHEET TITLE
EXTERIOR ELEVATIONS

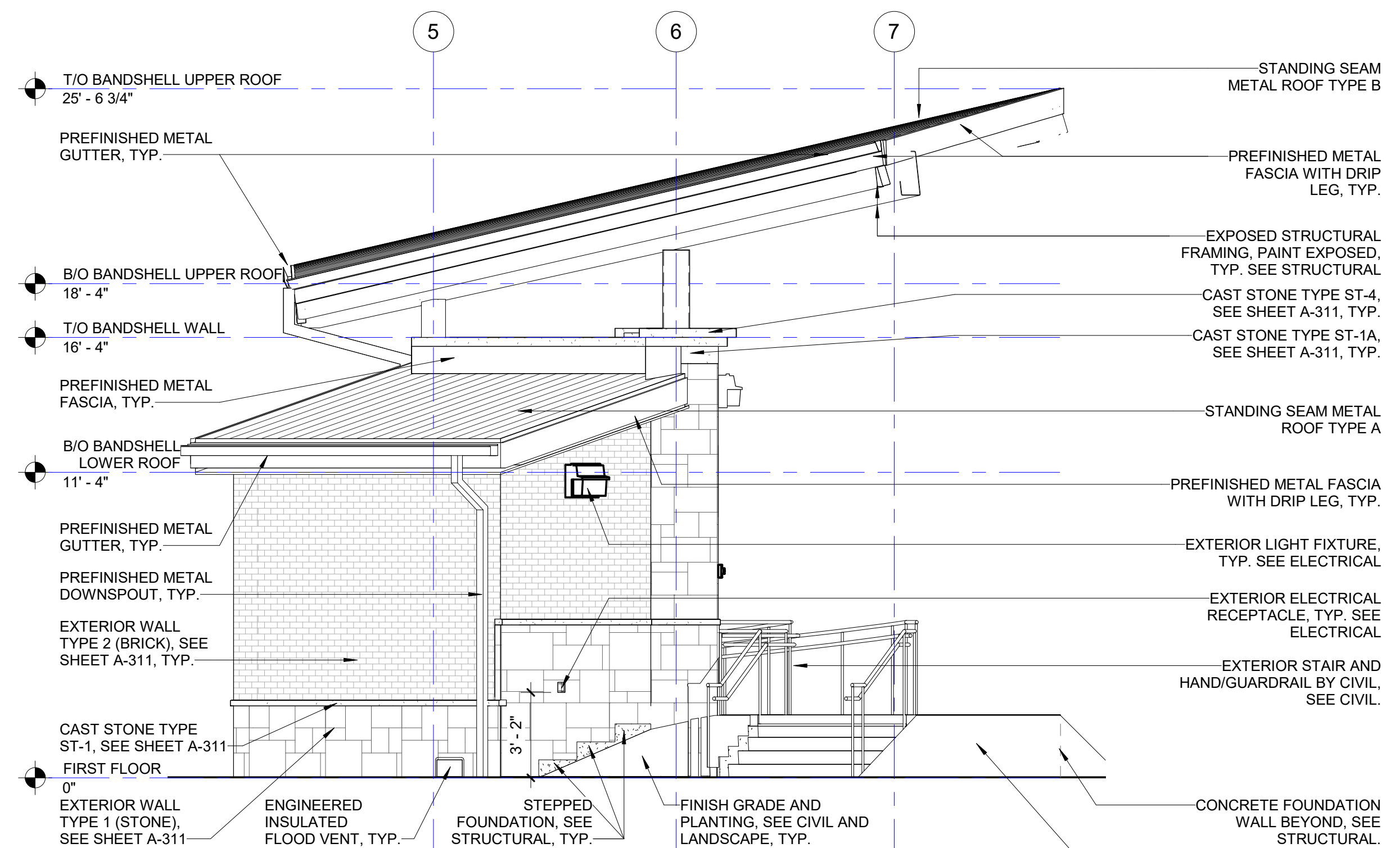
SCALE

SHEET NUMBER

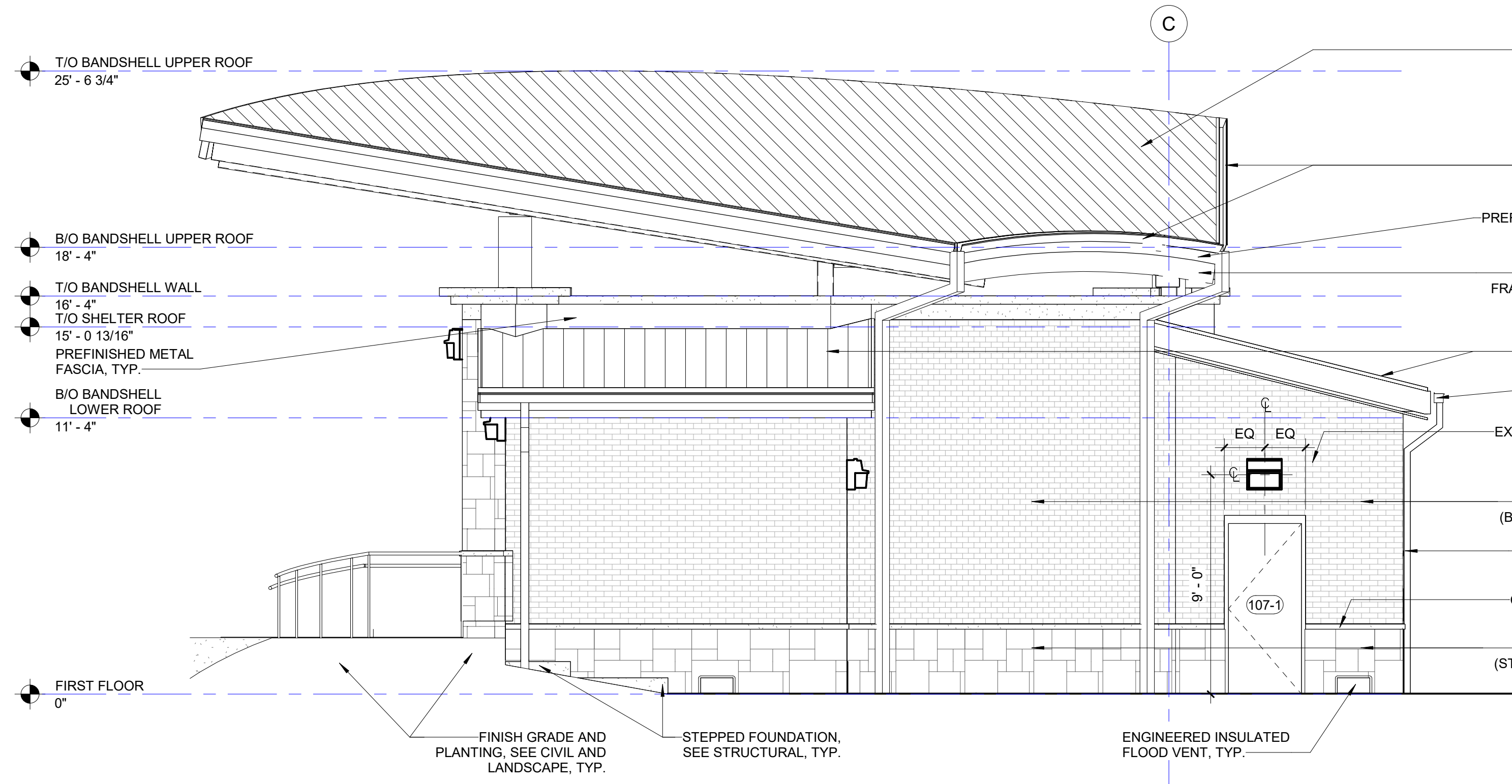
A-203



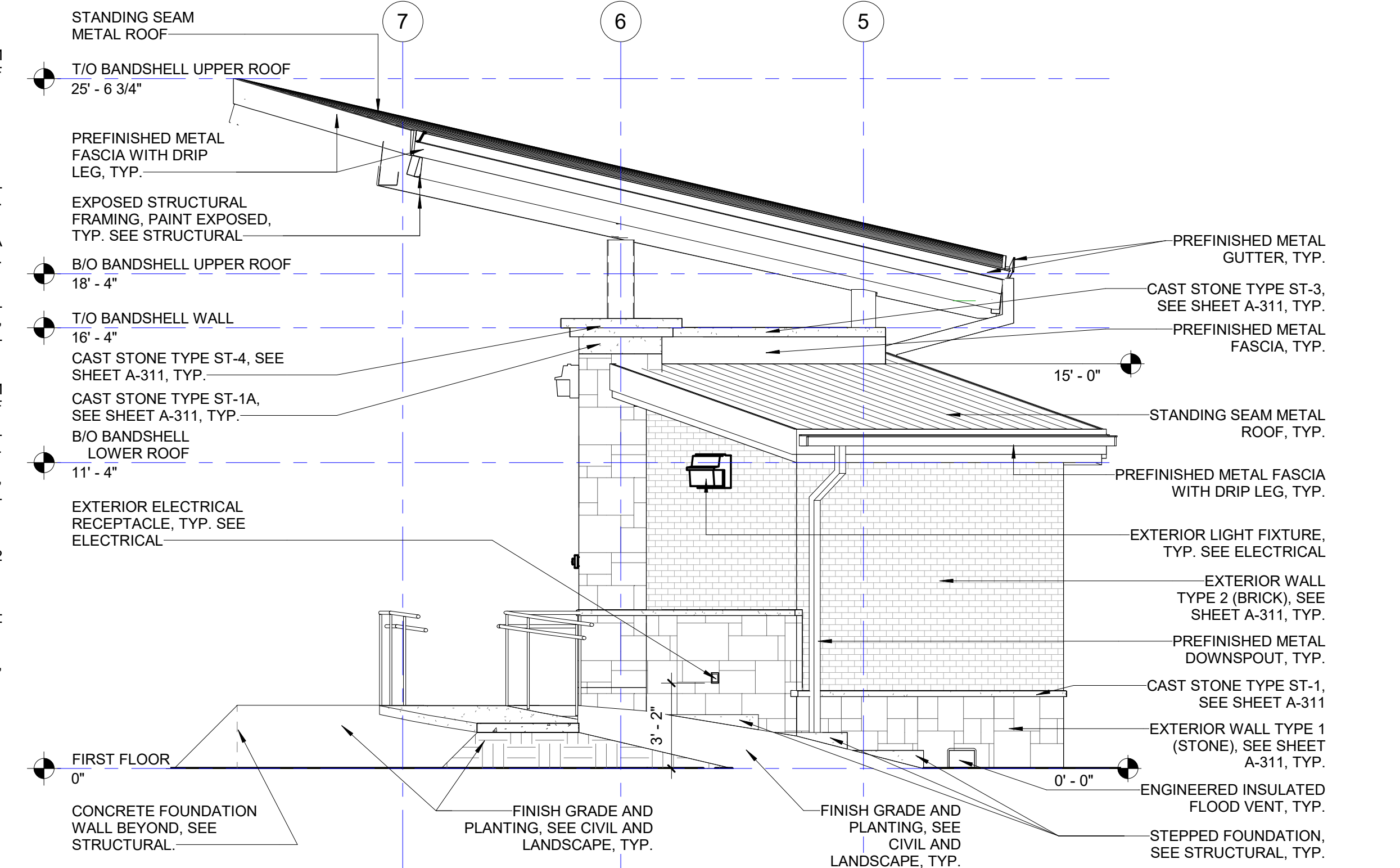
D1 BANDSHELL - NORTHWEST
Scale: 1/4" = 1'-0"







D4 BANDSHELL - WEST
Scale: 1/4" = 1'-0"



B1 BANDSHELL - NORTHEAST
Scale: 1/4" = 1'-0"



B4 BANDSHELL - EAST
Scale: 1/4" = 1'-0"

EXTERIOR ELEVATION LEGEND	
	STONE WALL
	BRICK WALL
	CMU WALL
	STANDING SEAM METAL ROOF

NOTES:
SEE SHEET A-311 FOR EXTERIOR WALL TYPES
PROVIDE SMOOTH STONE BEHIND ALL BUILDING SYSTEM DEVICES MOUNTED ON STONE INCLUDING BUT NOT LIMITED TO SWITCHES, ELECTRICAL OUTLETS, DATA PORTS, FIRE ALARM DEVICES, WALL MOUNTED LIGHT FIXTURES, ETC.



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CONSTRUCTION
REVISIONS

No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
No.	Date	Issue

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JK

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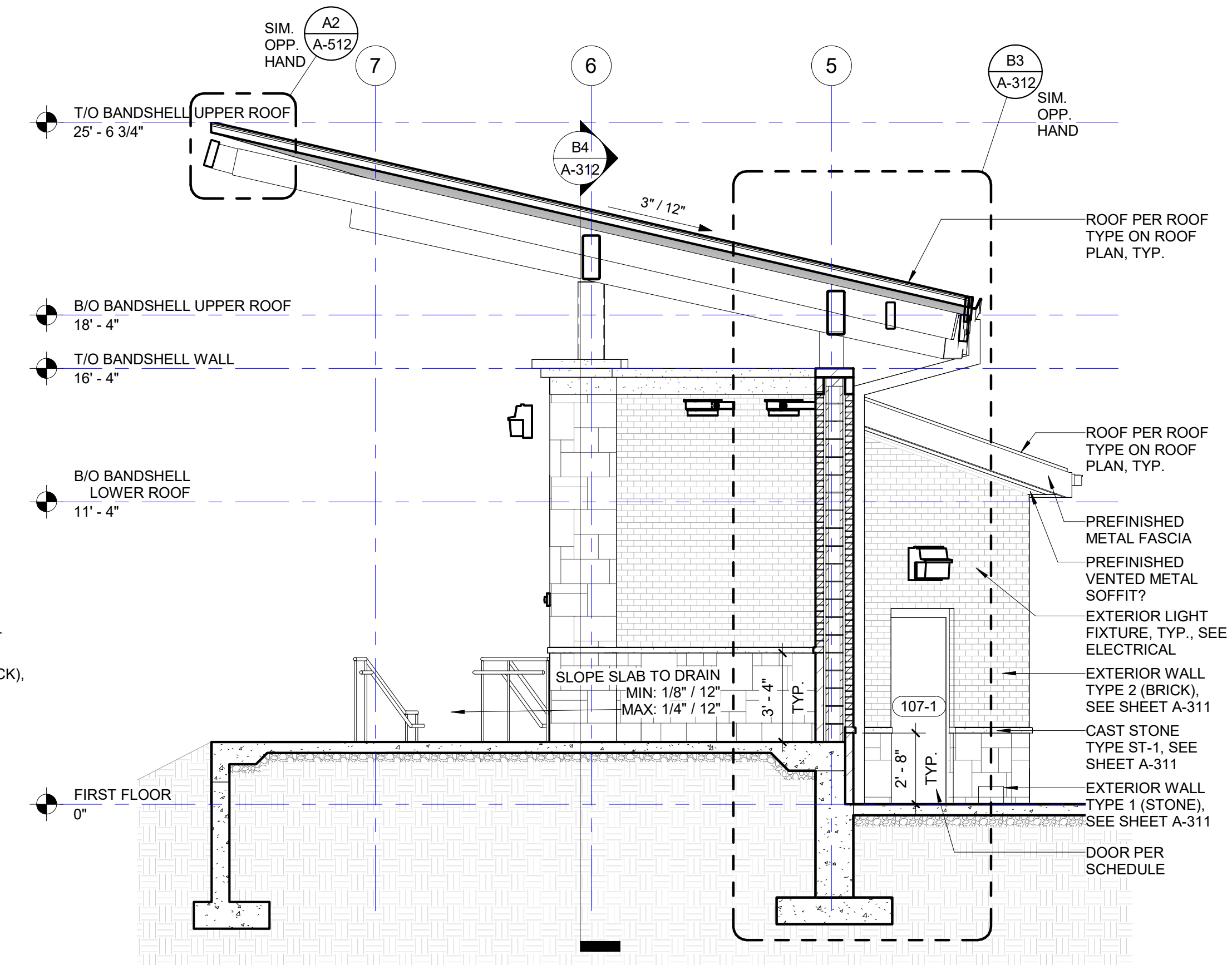
SHEET TITLE
**BUILDING
SECTIONS**

SCALE

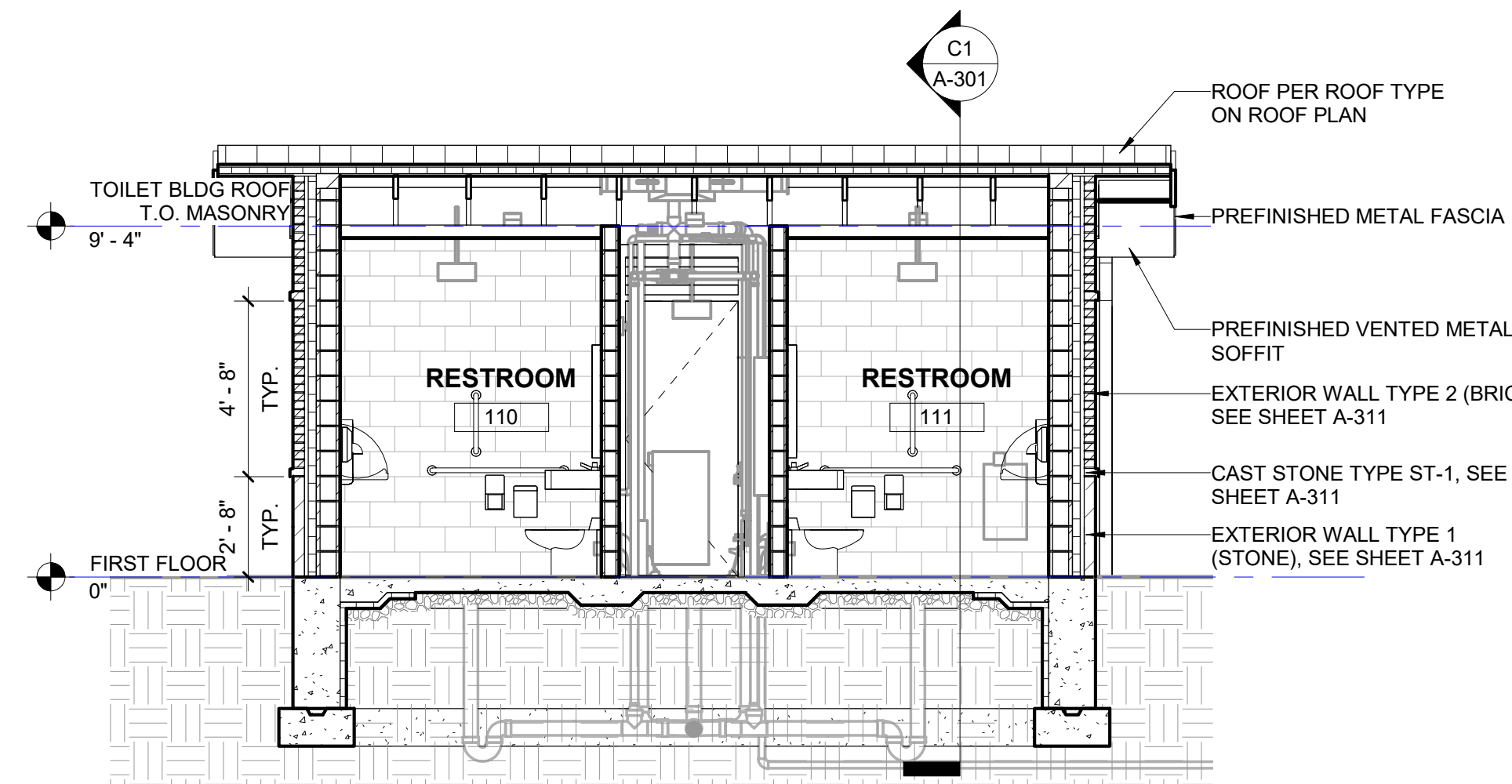
SHEET NUMBER

A-301

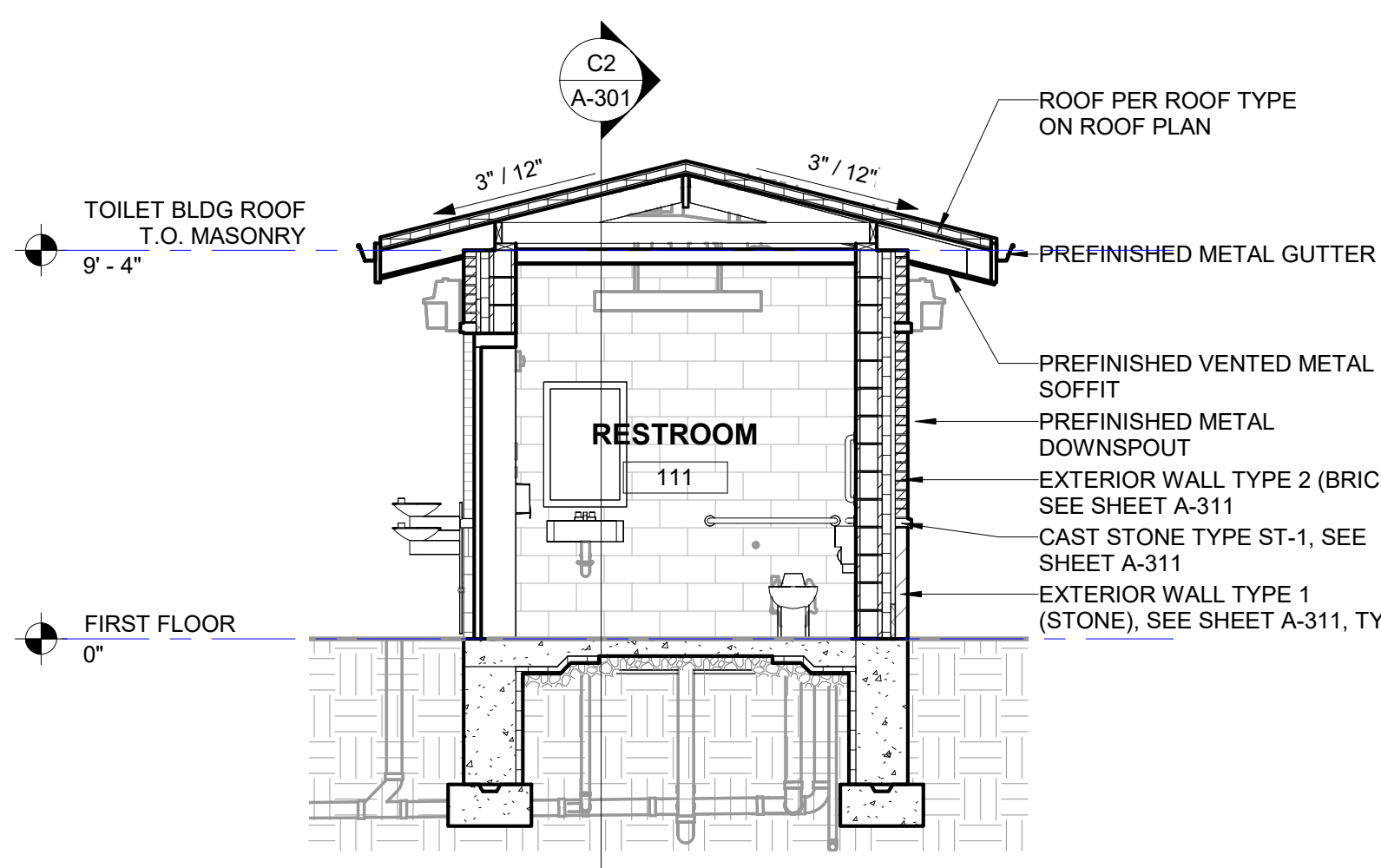
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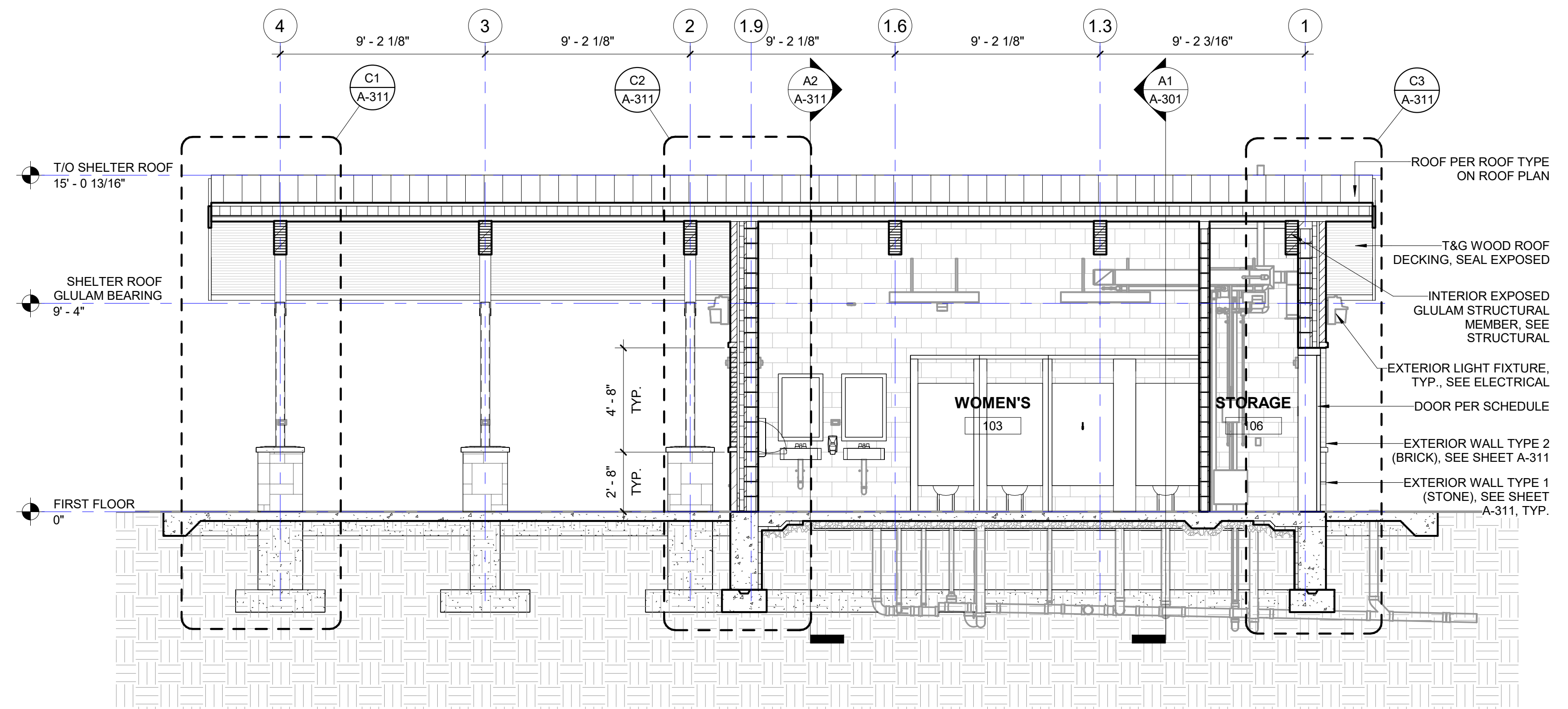
C4 BAND SHELL BLDG
Scale: 1/4" = 1'-0"



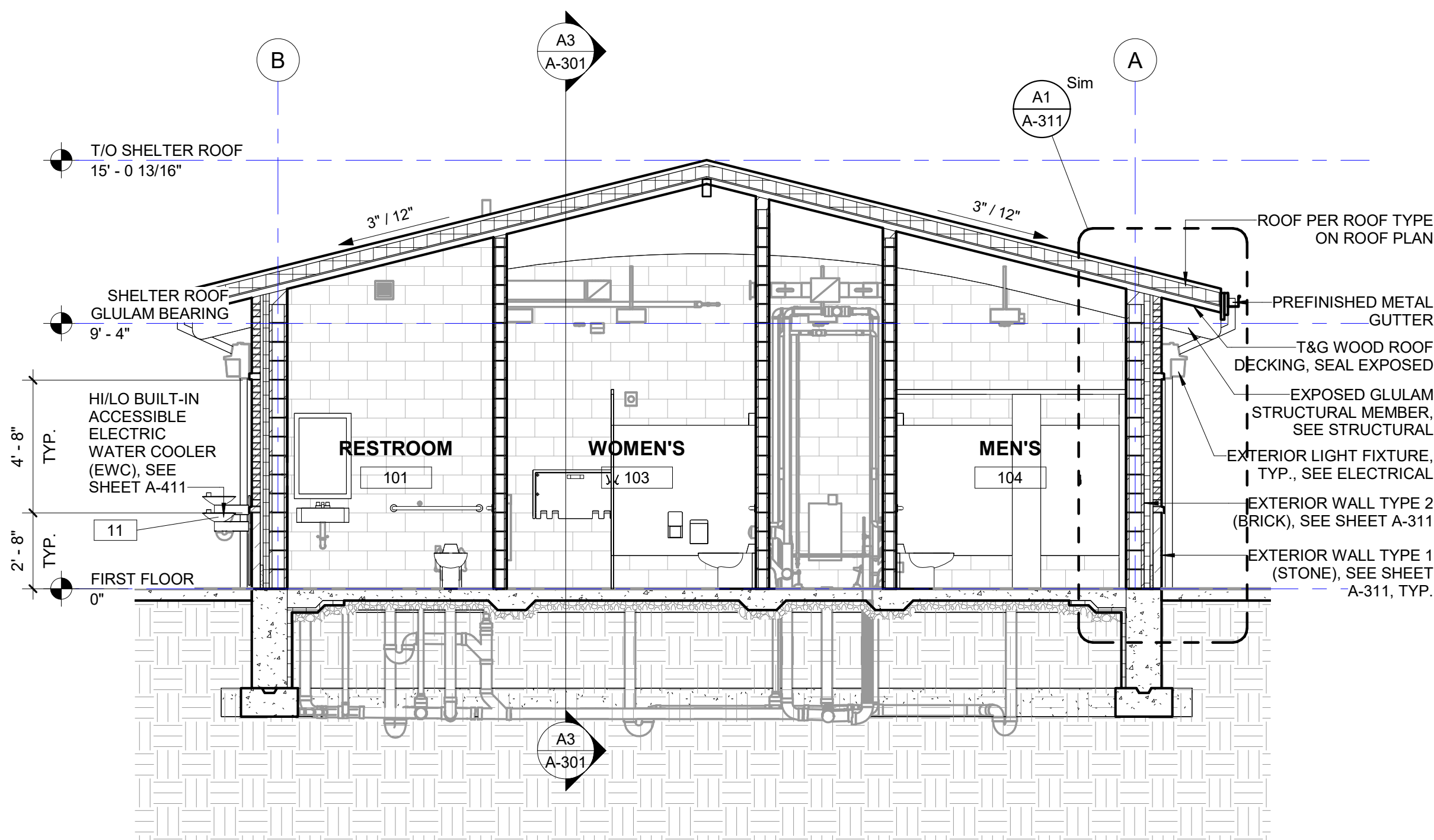
C2 TOILETS BLDG SECTION - NW/SE
Scale: 1/4" = 1'-0"



C1 TOILETS BLDG SECTION - SW/NE
Scale: 1/4" = 1'-0"



A3 SHELTER BLDG SECTION - W/E
Scale: 1/4" = 1'-0"



A1 SHELTER BLDG SECTION - N/S
Scale: 1/4" = 1'-0"



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REVISIONS

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No.	Date	Issue

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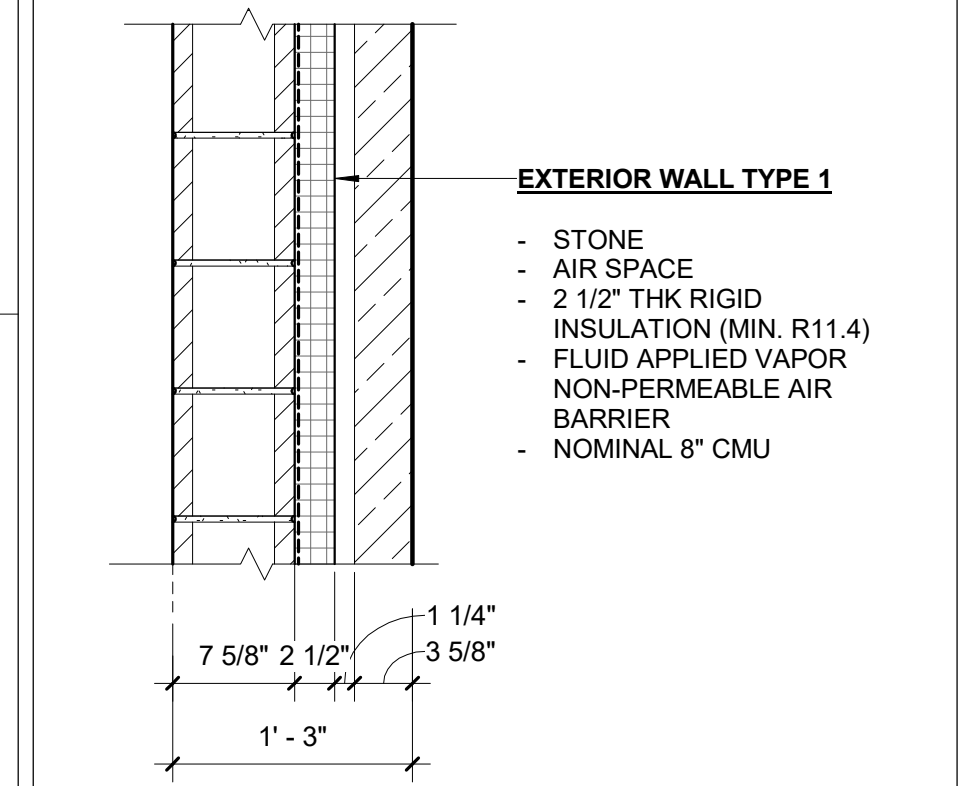
SHEET TITLE
WALL SECTIONS

SCALE

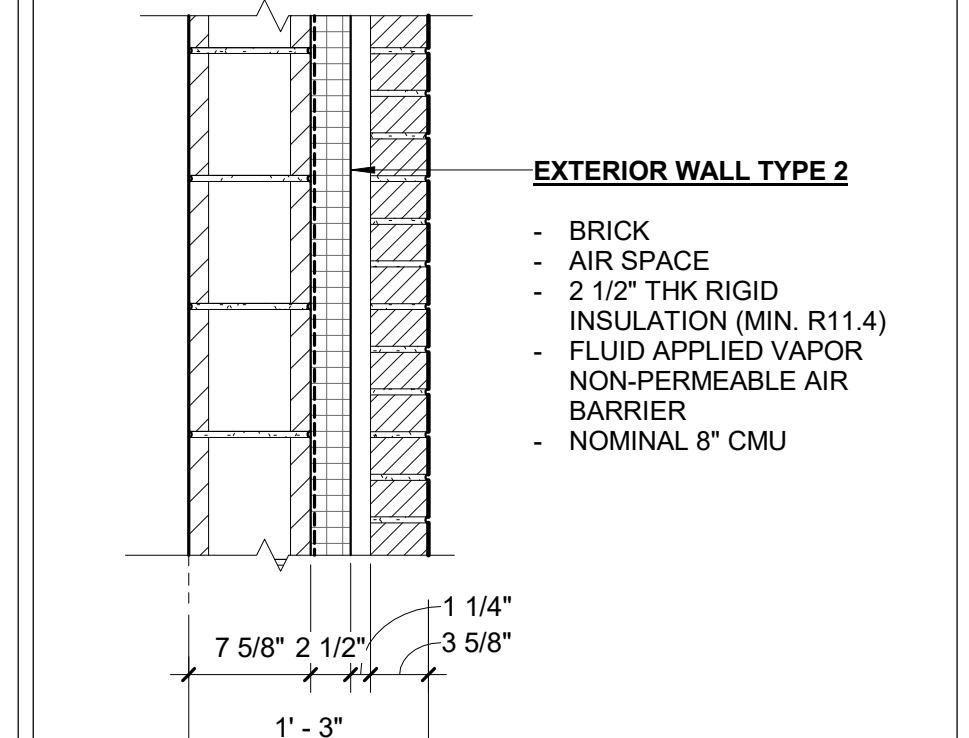
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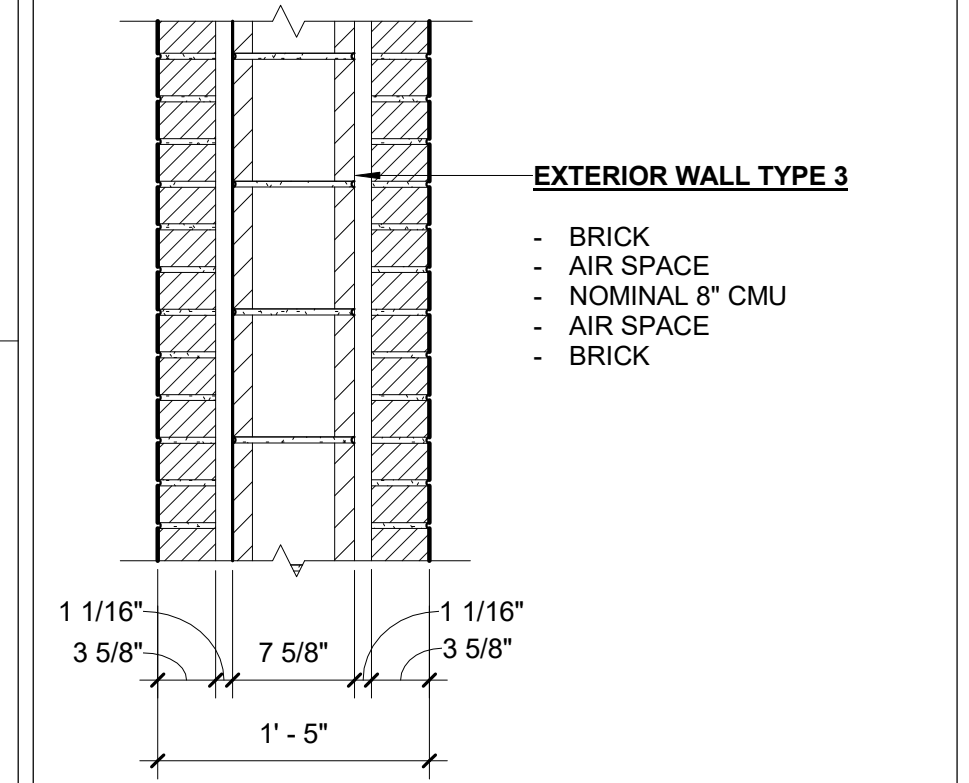
NOTES REGARDING WALL SECTIONS
These Wall Sections are diagrammatic in nature, intended primarily to show vertical relationships of building elements to one another. Some required elements such as flashing, trim pieces, material transitions, roof slopes and other elements may not be shown for clarity. All Trade Contractors are to provide and install all materials and elements shown within the referenced details and indicated in the Project Manual, regardless of whether such materials and elements are shown in these Wall Sections.



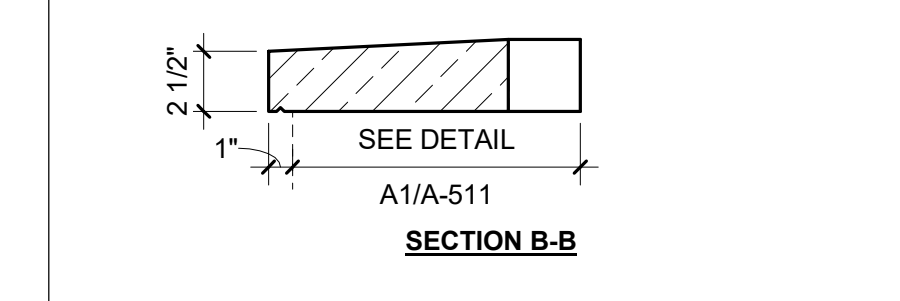
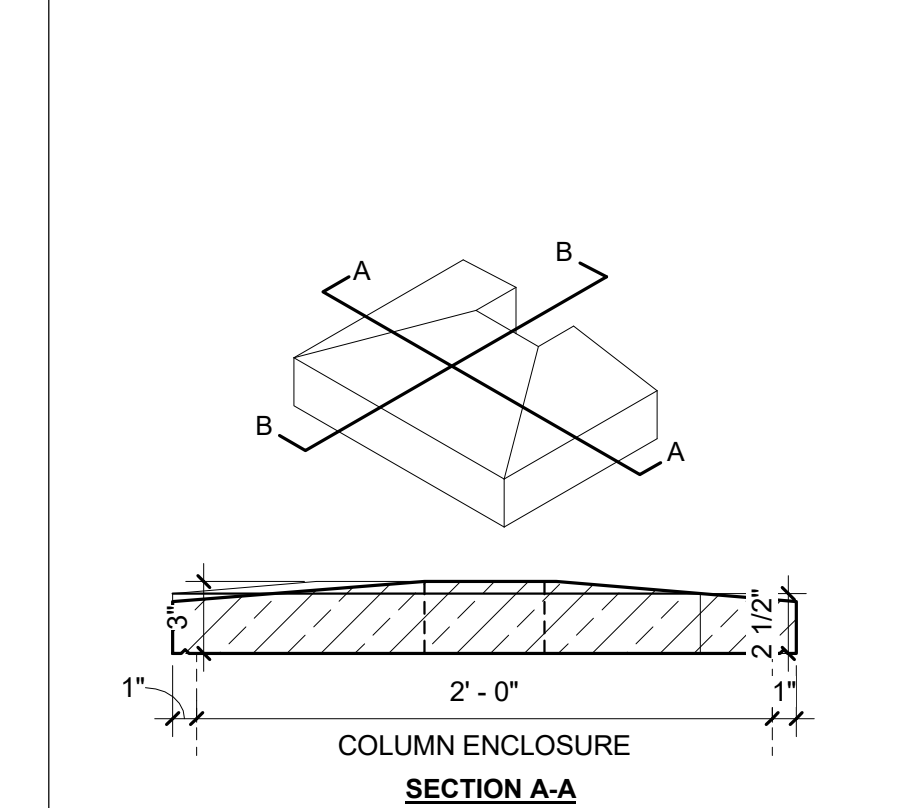
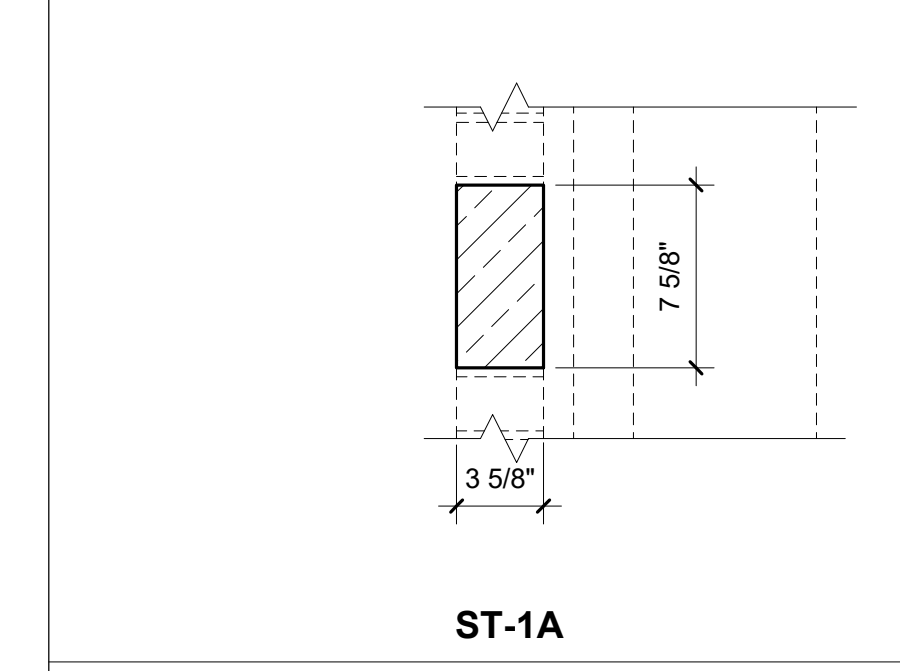
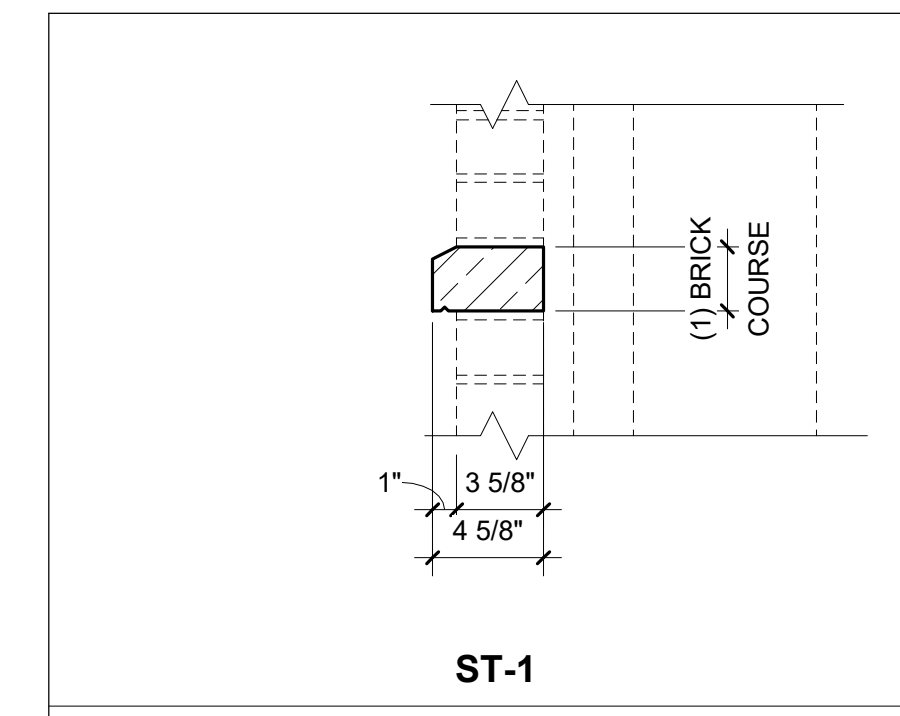
EXTERIOR WALL TYPE 1
STONE
ON NOM. 8" CMU WALL



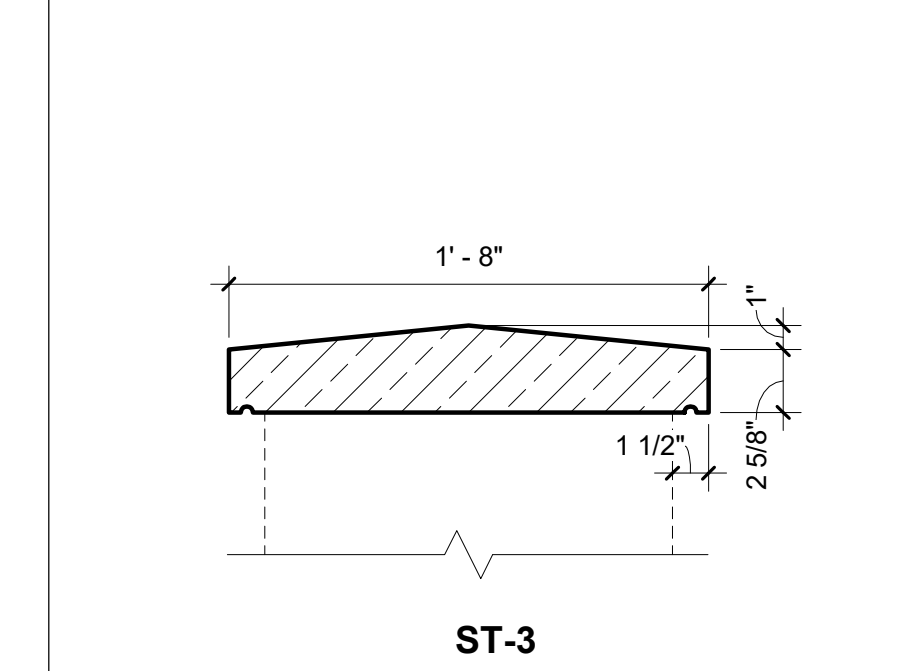
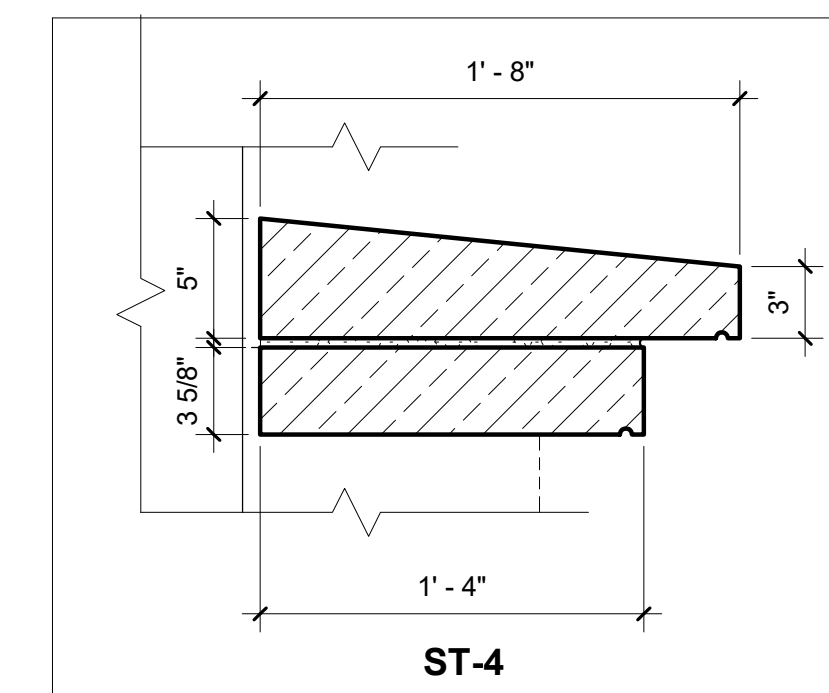
EXTERIOR WALL TYPE 2
BRICK
ON NOM. 8" CMU WALL



EXTERIOR WALL TYPE 3
BRICK
ON NOM. 8" CMU WALL

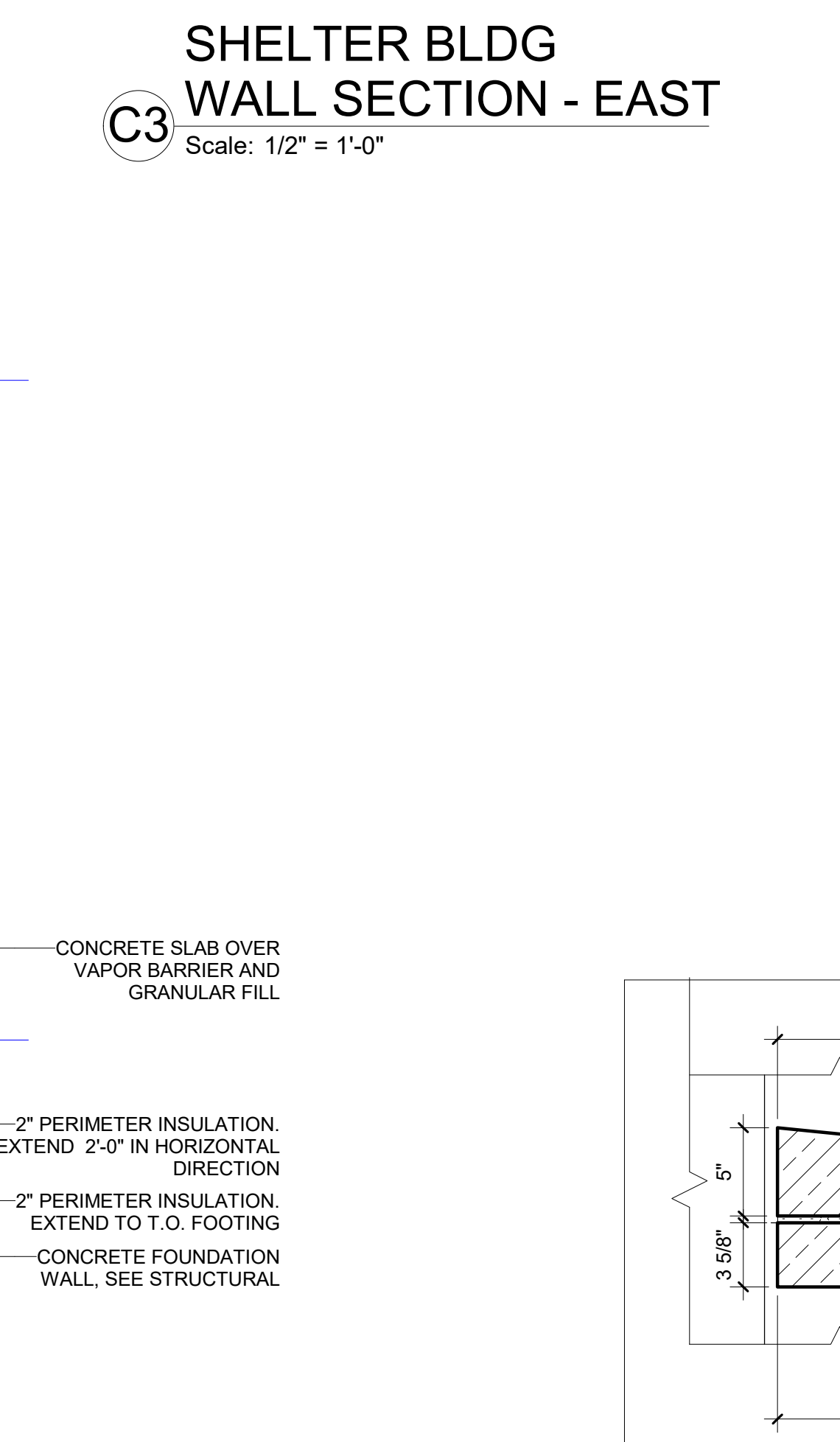
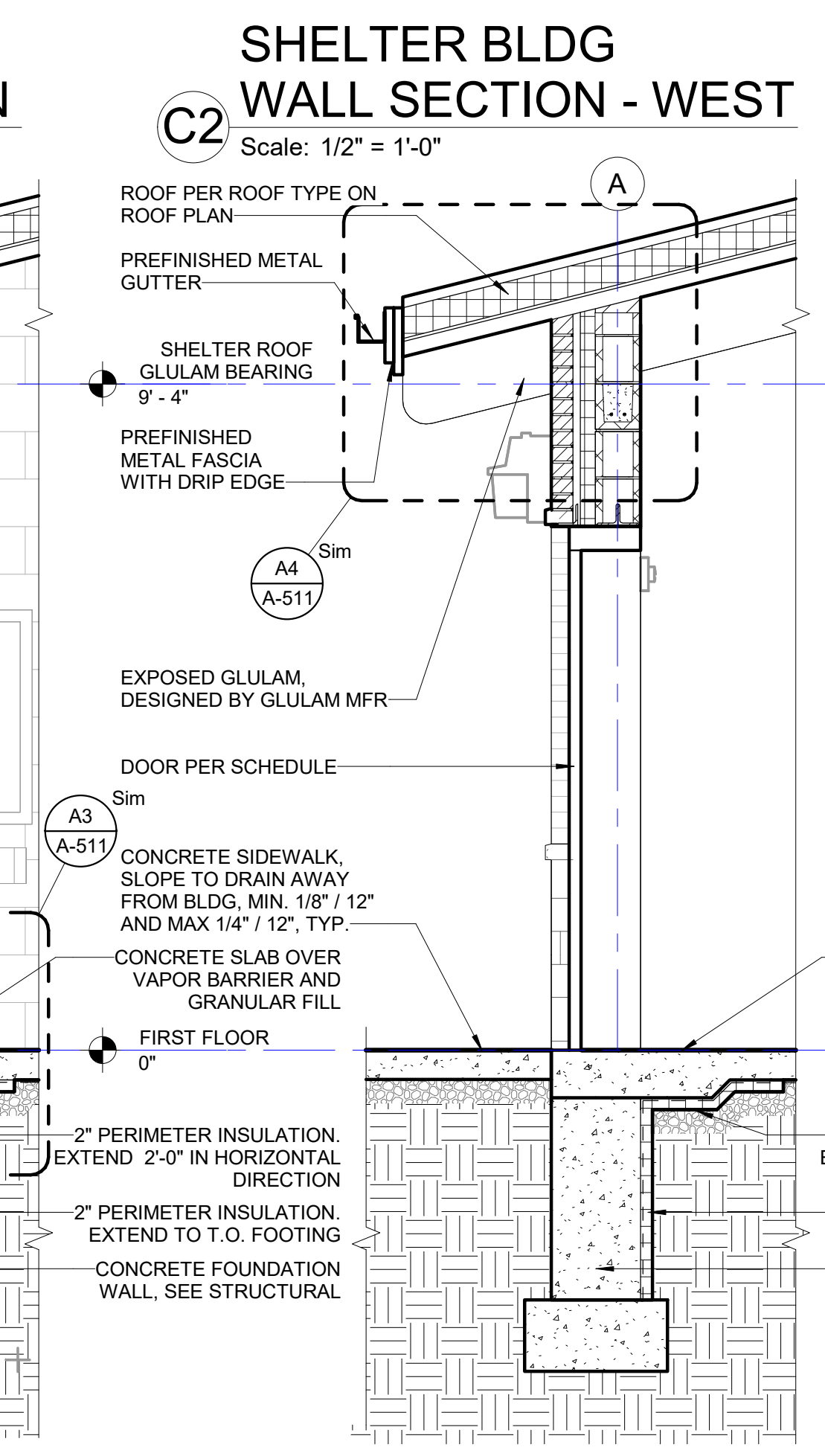
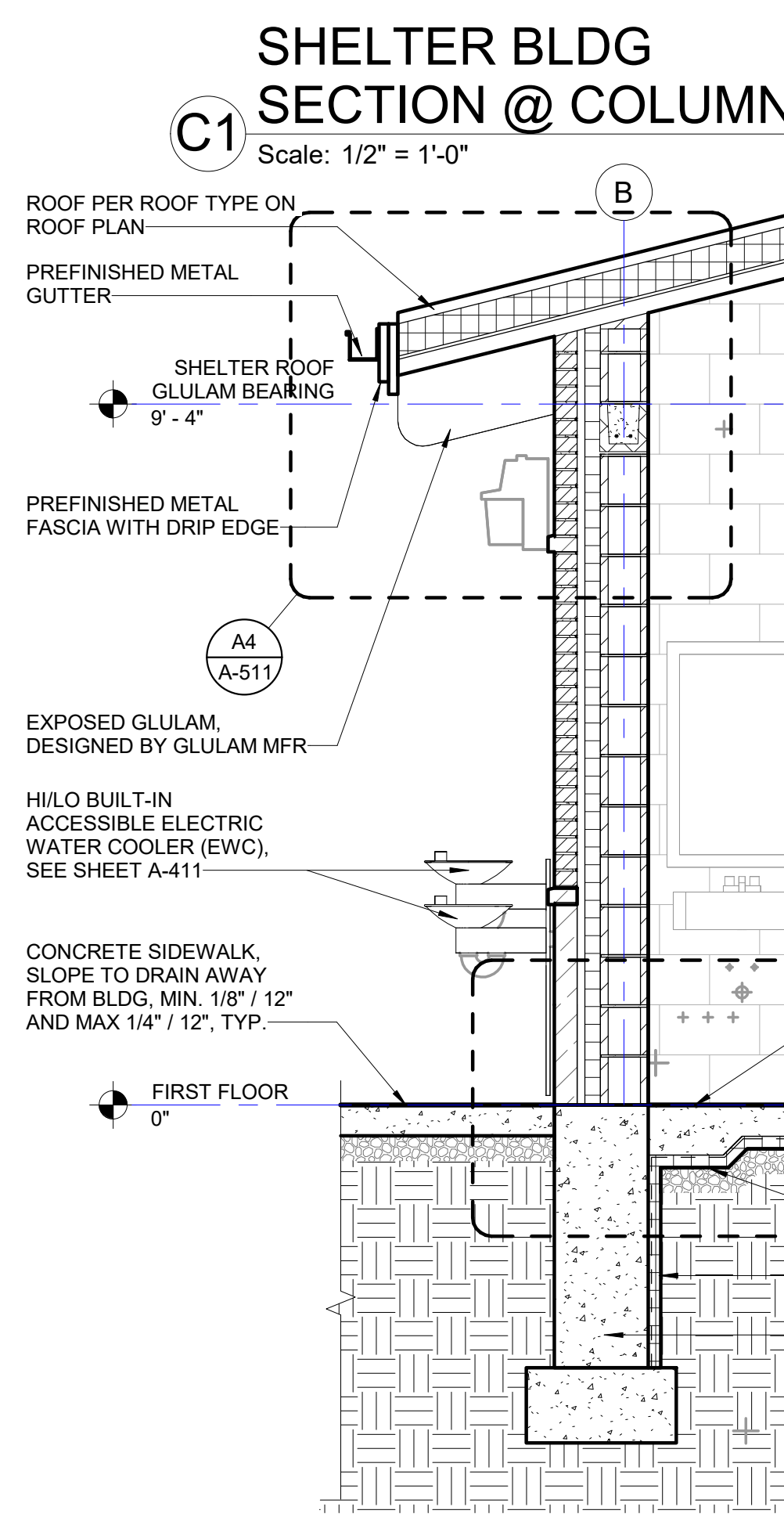
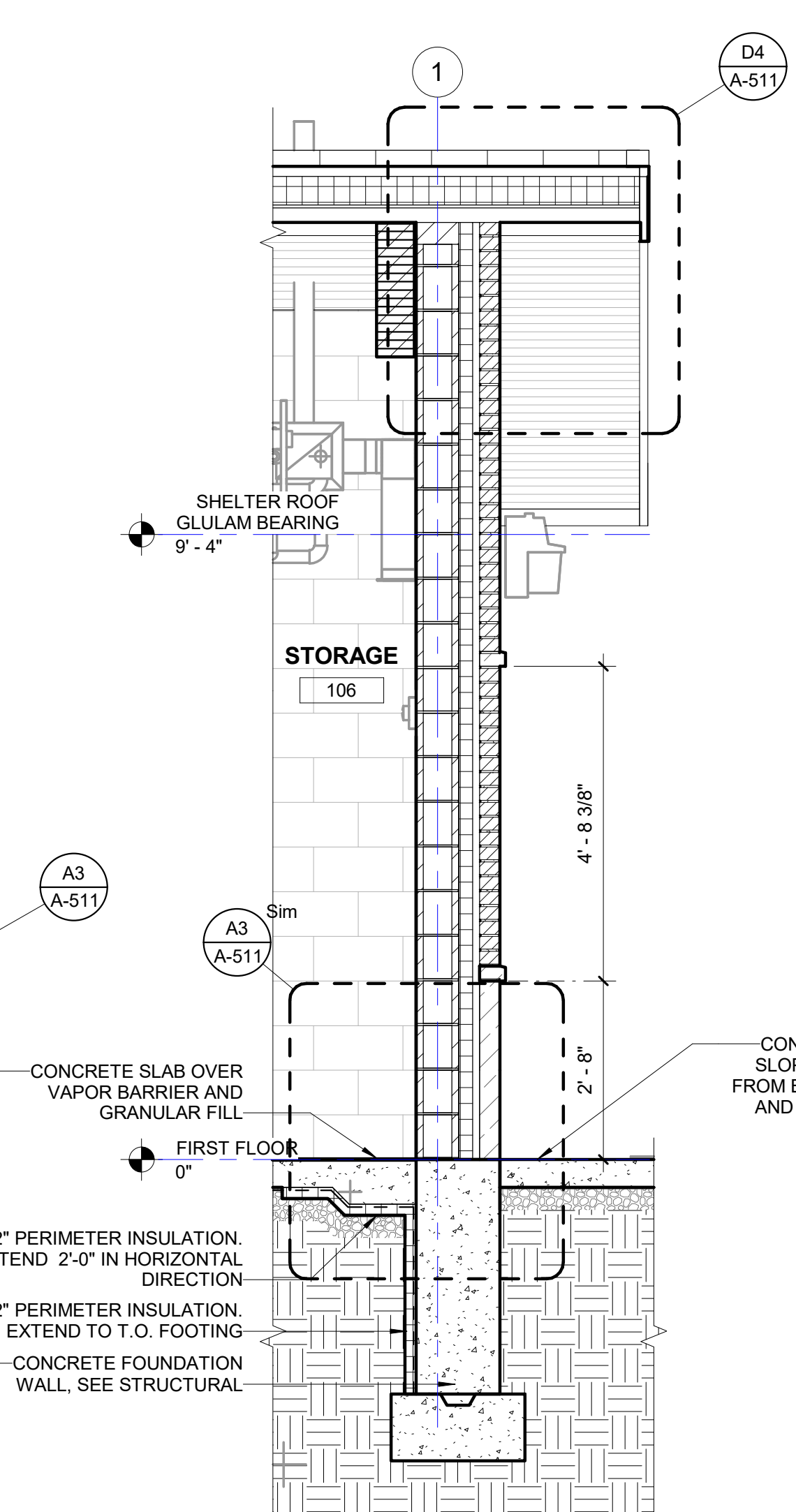
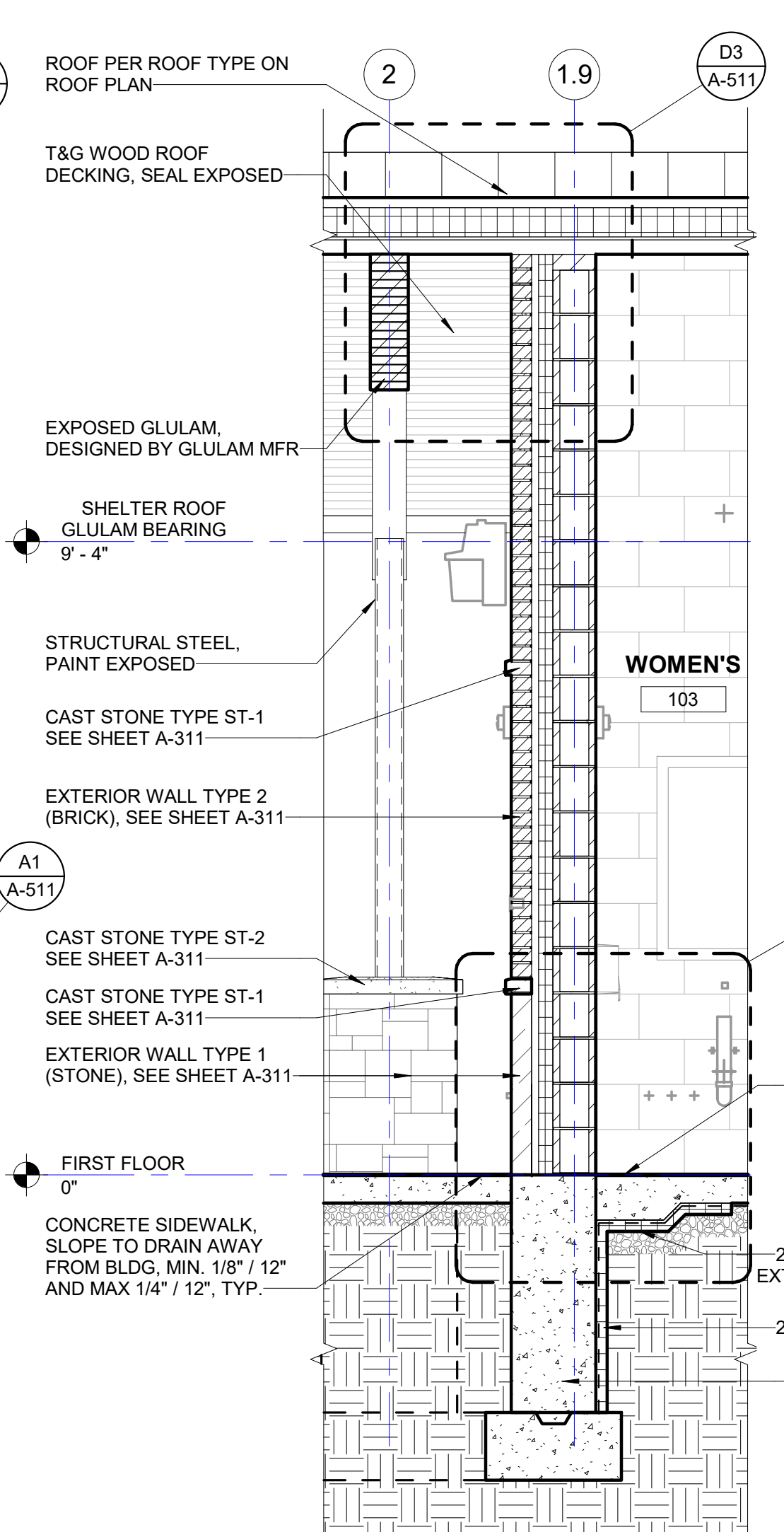
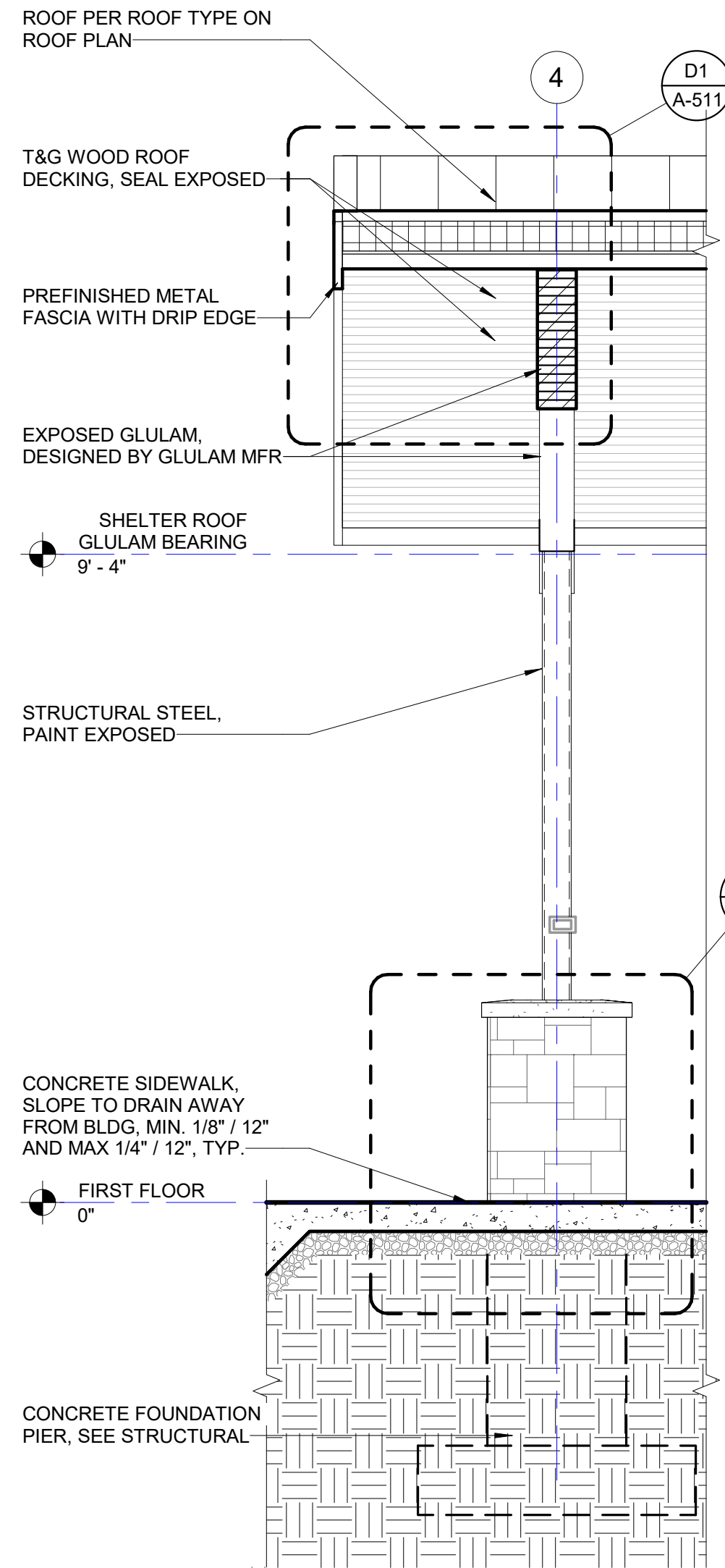


ST-2



A4 CAST STONE TYPES
Scale: 1 1/2" = 1'-0"

A5 EXTERIOR WALL TYPES
Scale: 1" = 1'-0"





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REVISIONS

No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
2	04/04/24	ADDENDUM #2
No.	Date	Issue

CHECKED BY: JK
DRAWN BY: JNF

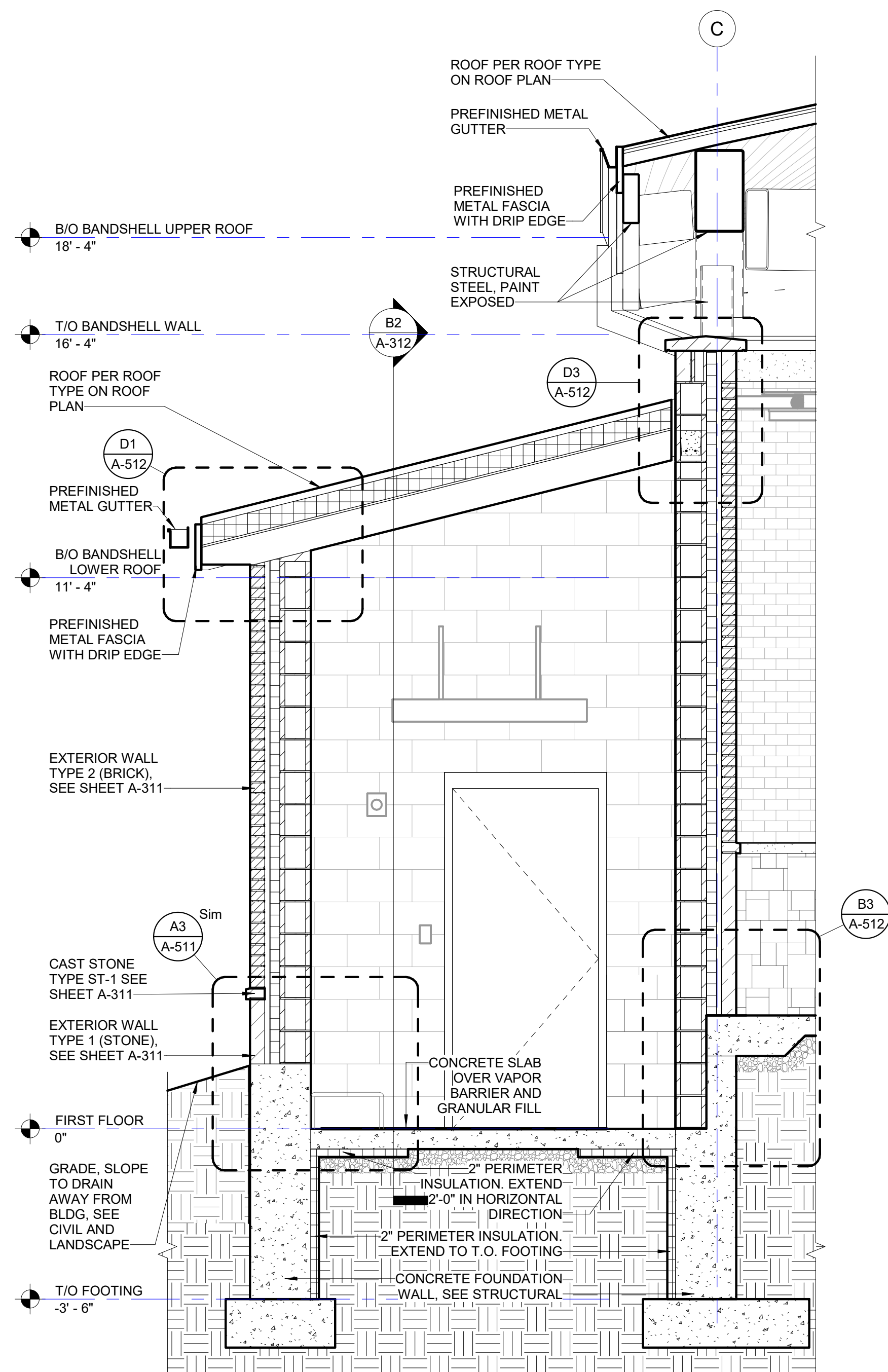
SHEET TITLE
WALL SECTIONS

SCALE

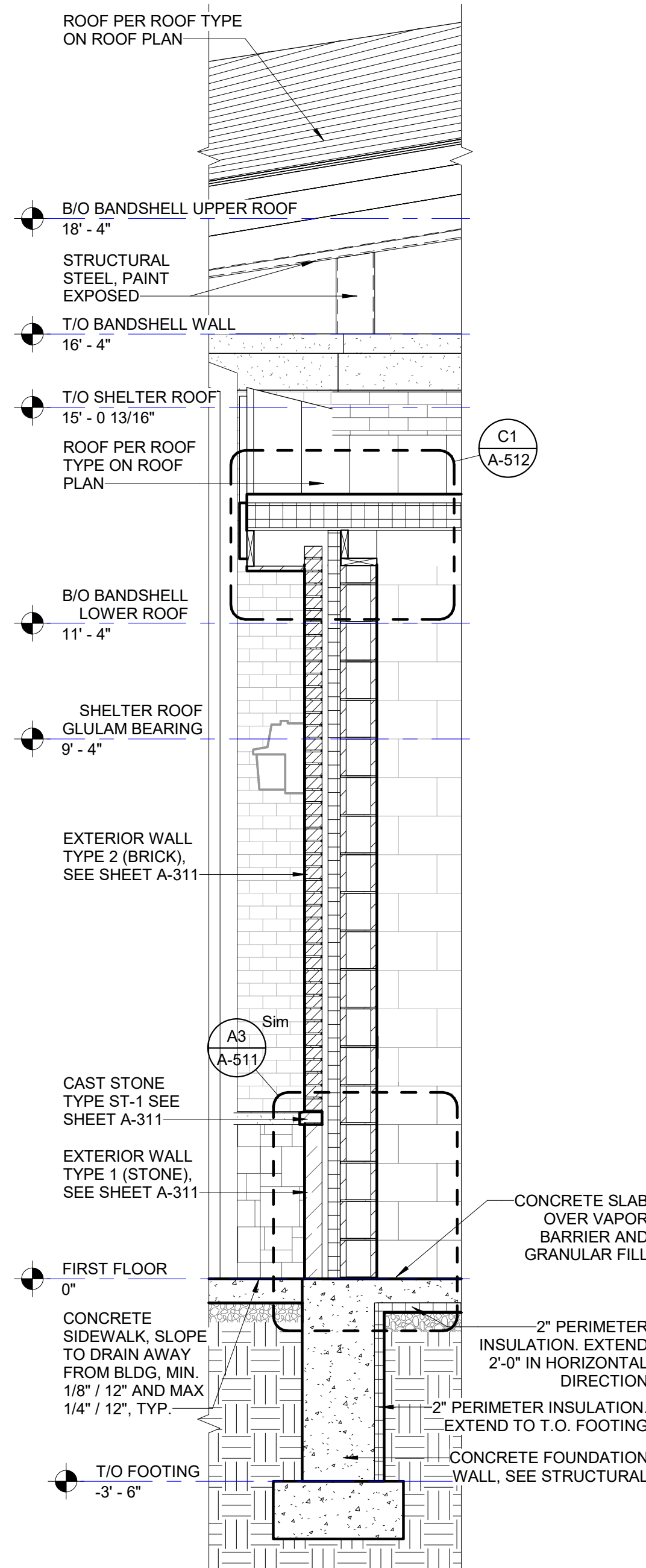
SHEET NUMBER

A-312

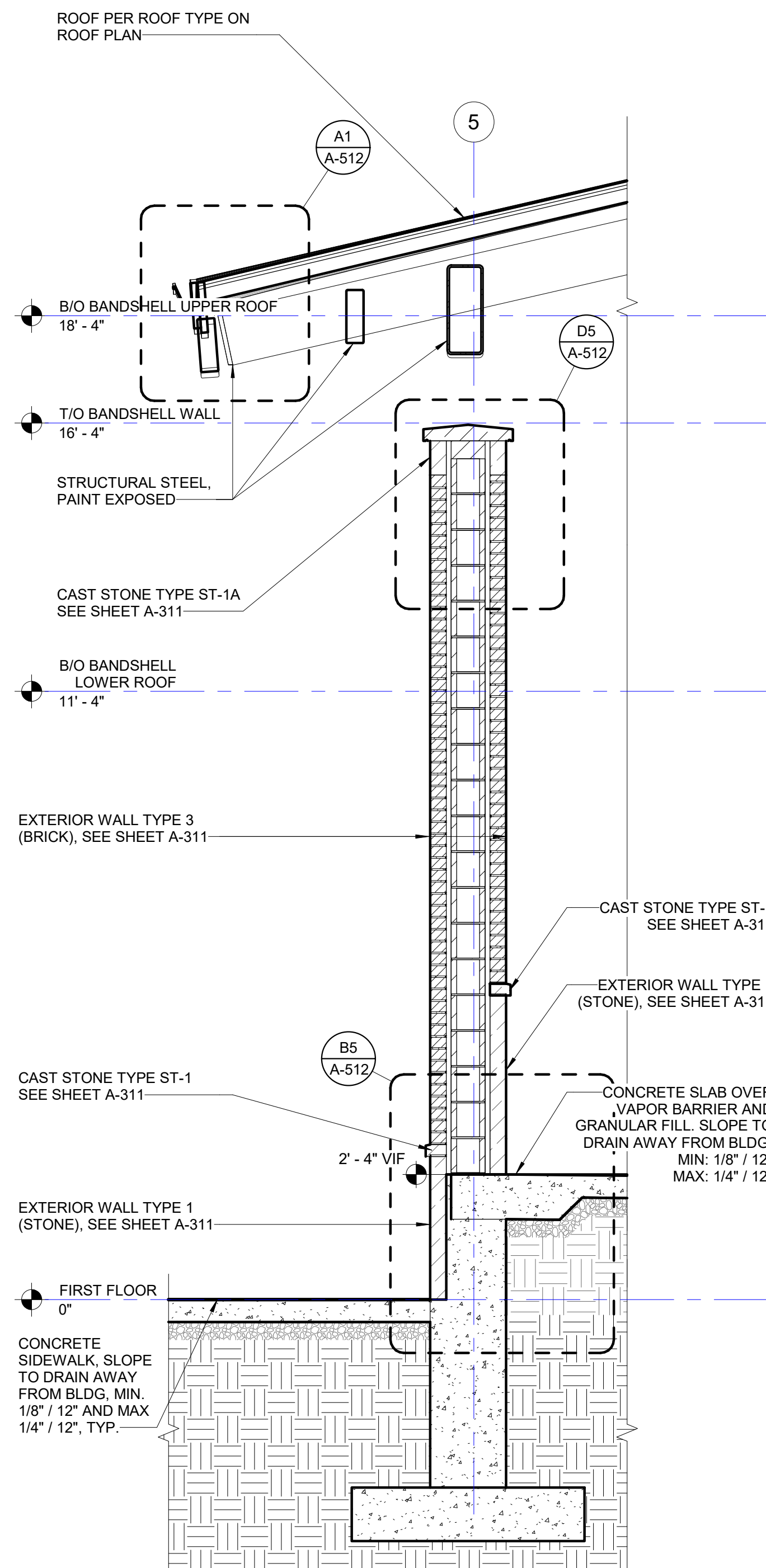
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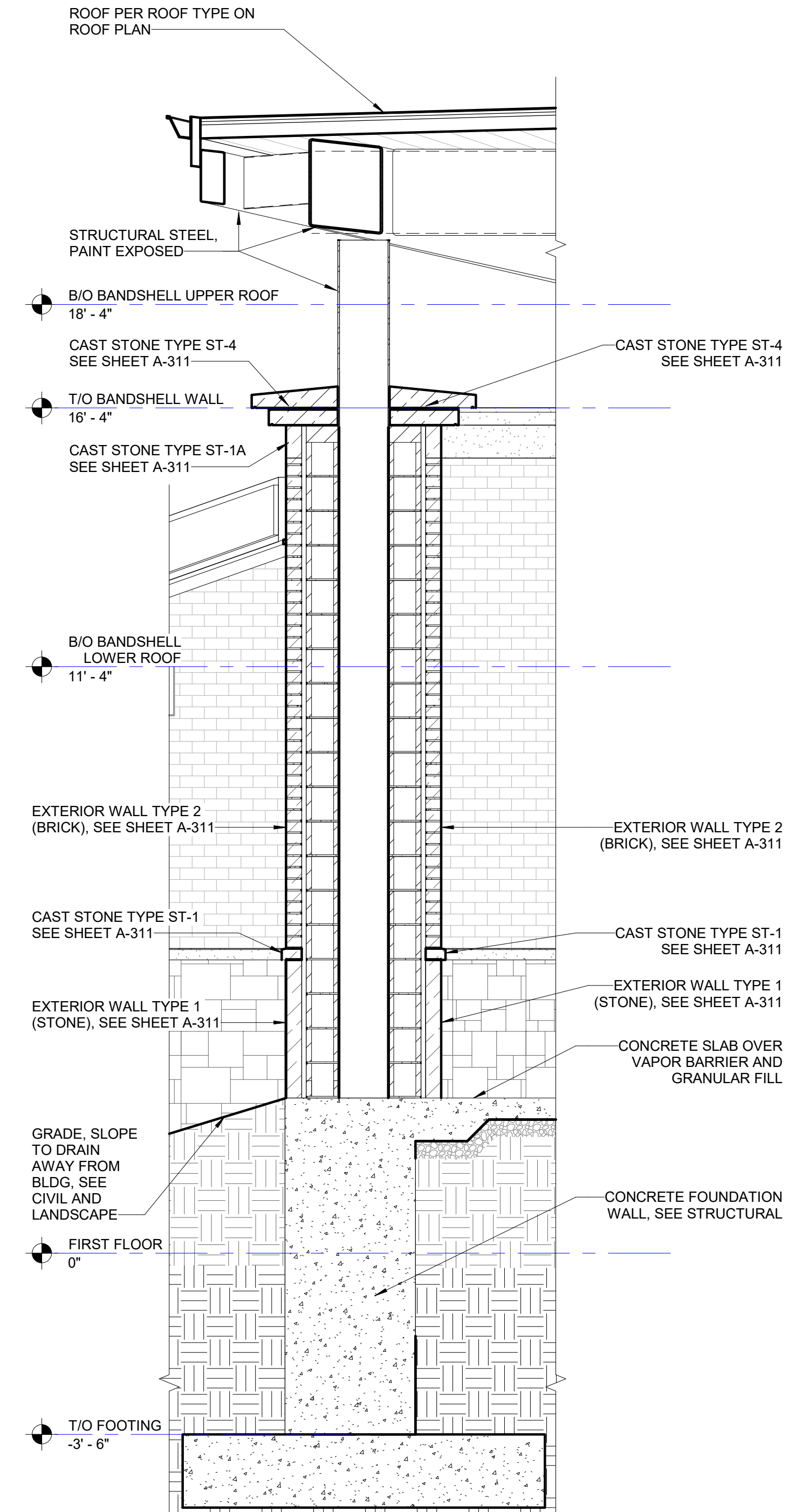
B1 BANDSHELL WALL SECTIONS @ STOR.
Scale: 1/2" = 1'-0"



B2 BANDSHELL WALL SECTION - NORTH STOR.
Scale: 1/2" = 1'-0"



B3 BANDSHELL WALL SECTION - NORTH
Scale: 1/2" = 1'-0"



B4 BANDSHELL WALL SECTION @ COLUMN
Scale: 1/2" = 1'-0"



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REVISIONS

No.	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
No.	Date	Issue

CHECKED BY: JK
DRAWN BY: JNF

SHEET TITLE

INTERIOR ELEVATIONS

SCALE

SHEET NUMBER

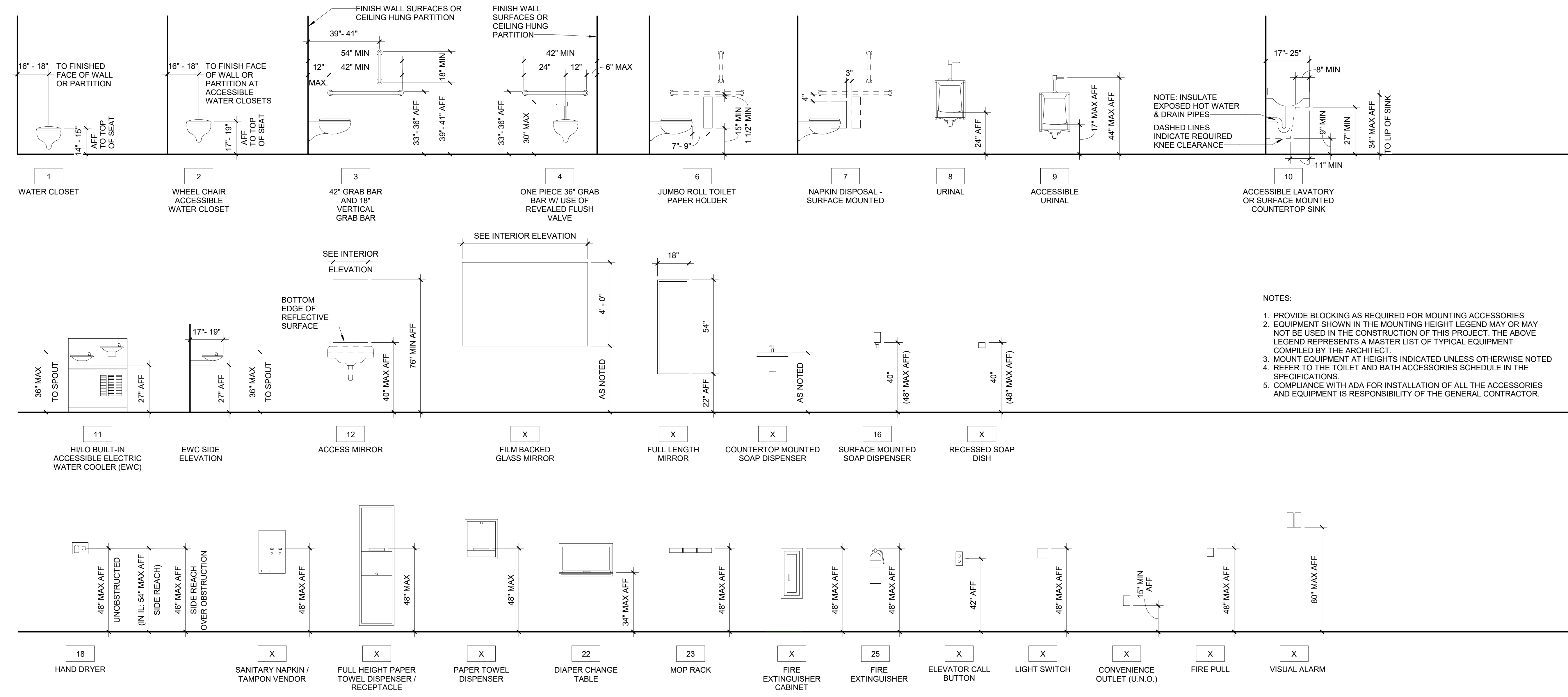
A-411

INTERIOR ELEVATIONS GENERAL NOTE

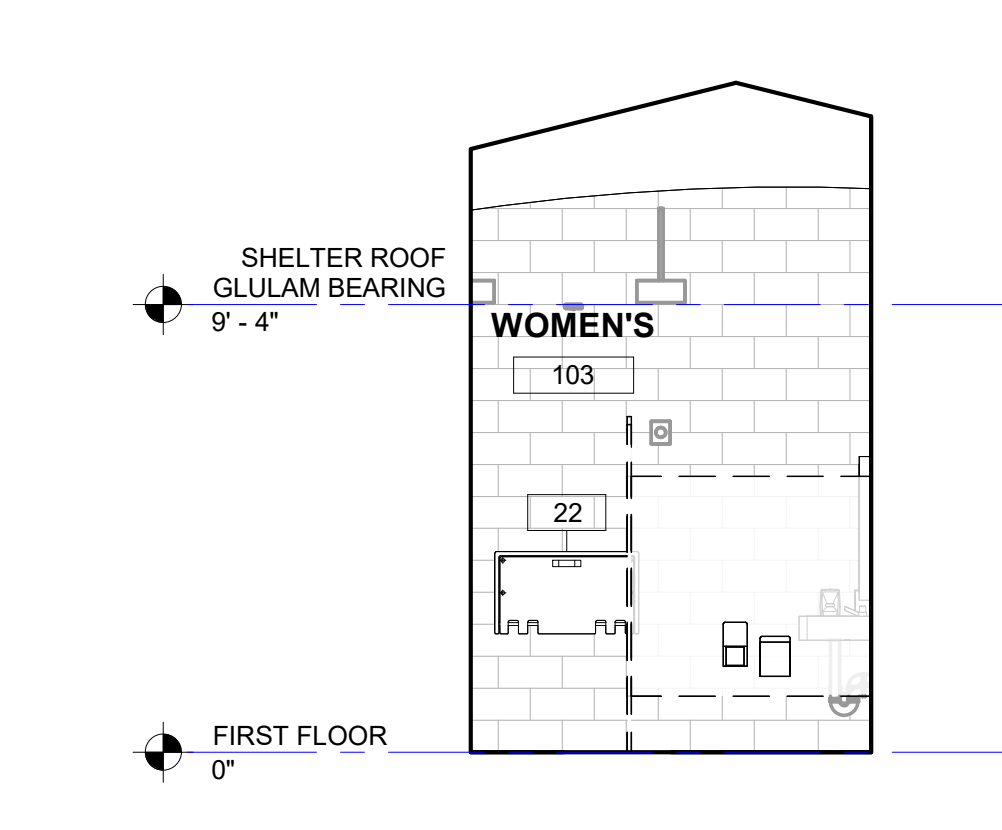
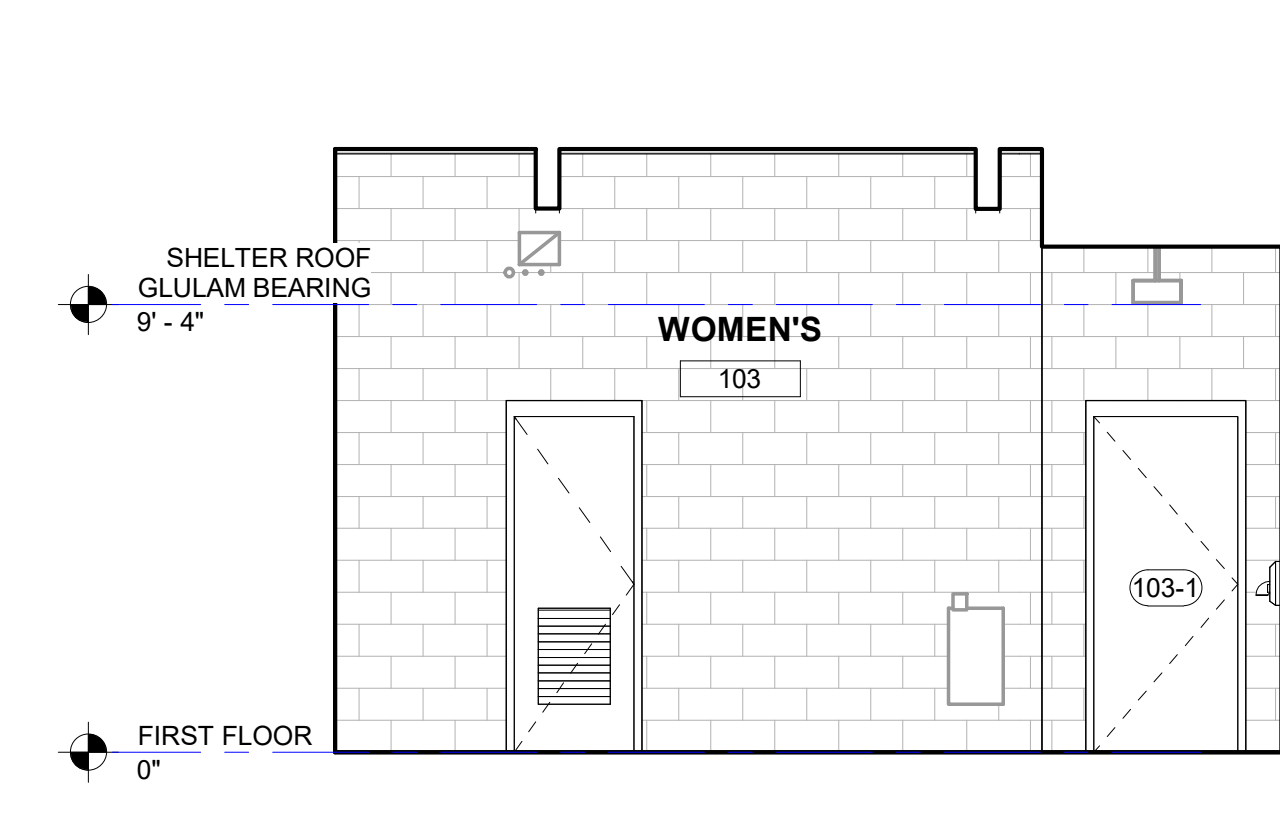
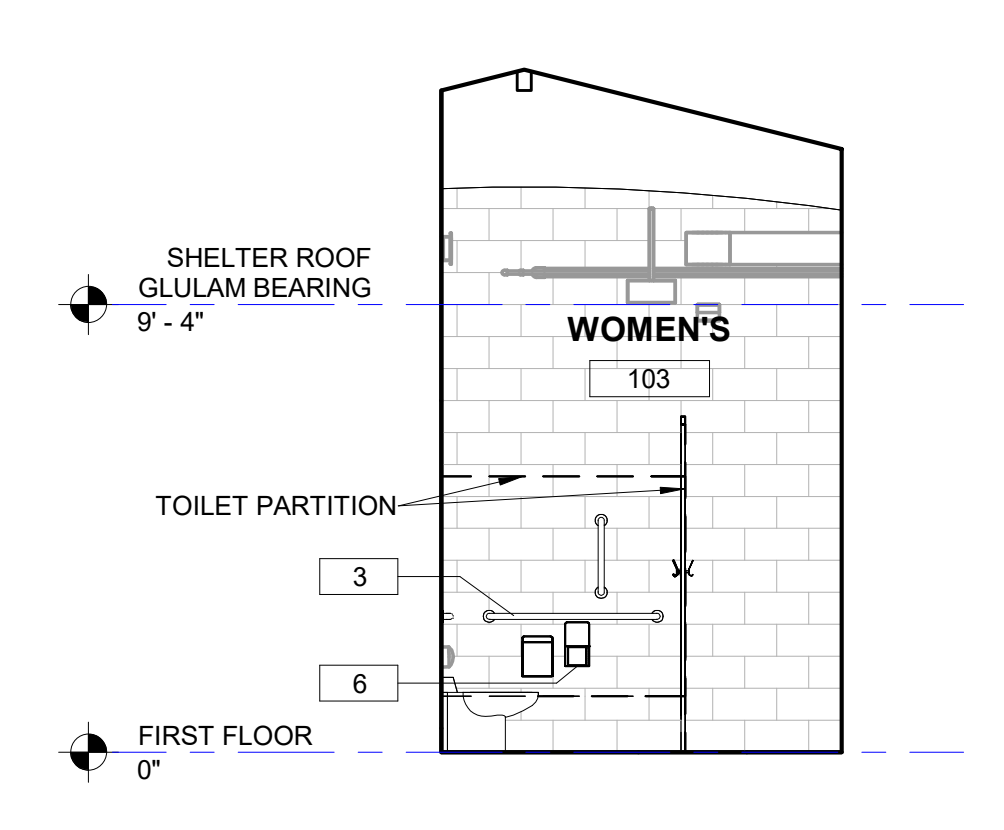
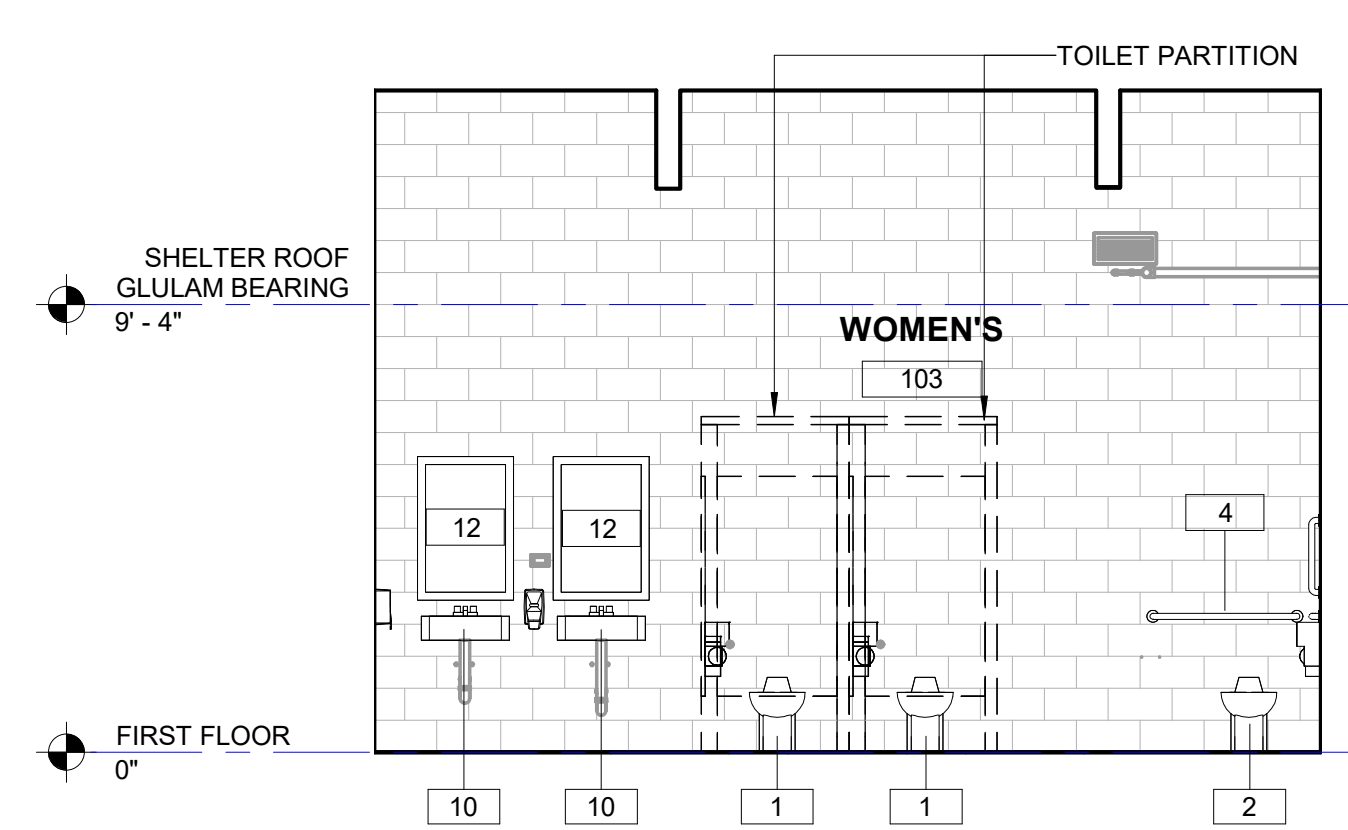
- SEE SHEET A-411 FOR FIXTURE TAG AND MOUNTING HEIGHTS.
- SEE SHEET A-113 FOR FINISH TYPES AND SCHEDULES.
- SEE SHEET A-111 FOR INTERIOR WALL TYPES AND HEIGHT.

LEGEND

1 SPECIALTY EQUIPMENT TAG
SEE FIXTURE MOUNTING HEIGHTS ON SHEET A-411



B1 FIXTURE MOUNTING HEIGHTS
Scale: 3/8" = 1'-0"



INTERIOR ELEVATIONS GENERAL NOTE

- SEE SHEET A-411 FOR FIXTURE TAG AND MOUNTING HEIGHTS.
- SEE SHEET A-113 FOR FINISH TYPES AND SCHEDULES.
- SEE SHEET A-111 FOR INTERIOR WALL TYPES AND HEIGHT.

LEGEND

1 SPECIALTY EQUIPMENT TAG
SEE FIXTURE MOUNTING HEIGHTS ON SHEET A-411



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No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION

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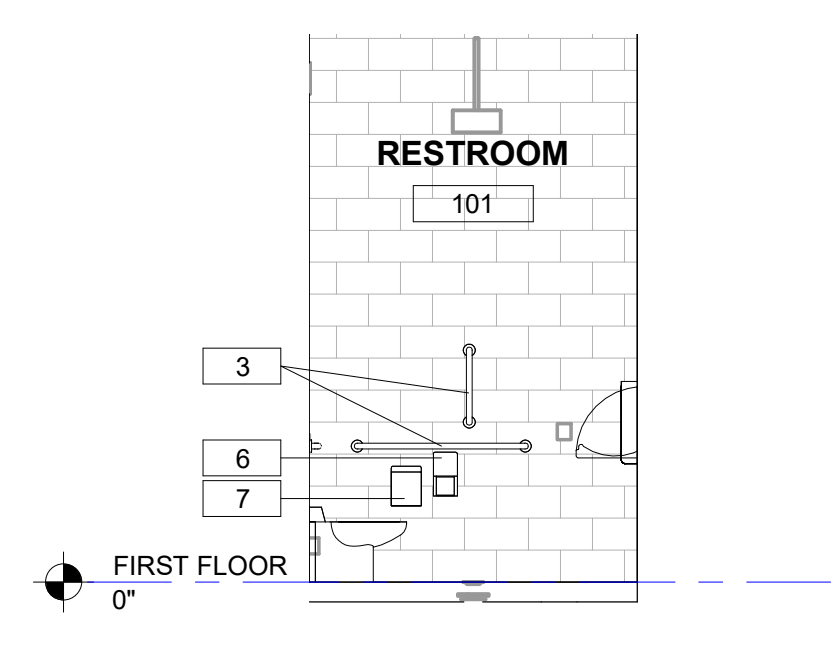
SHEET TITLE
INTERIOR ELEVATIONS

SCALE

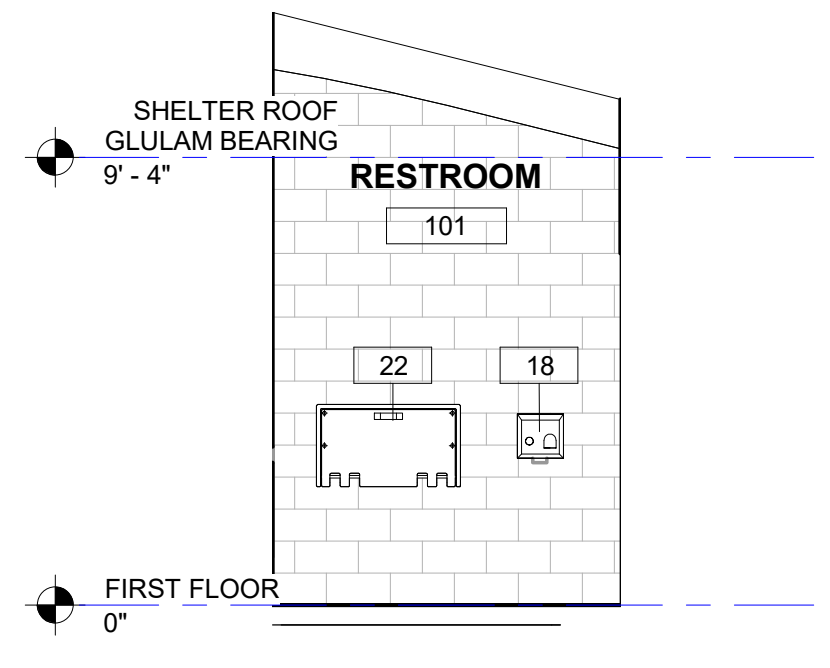
SHEET NUMBER

A-412

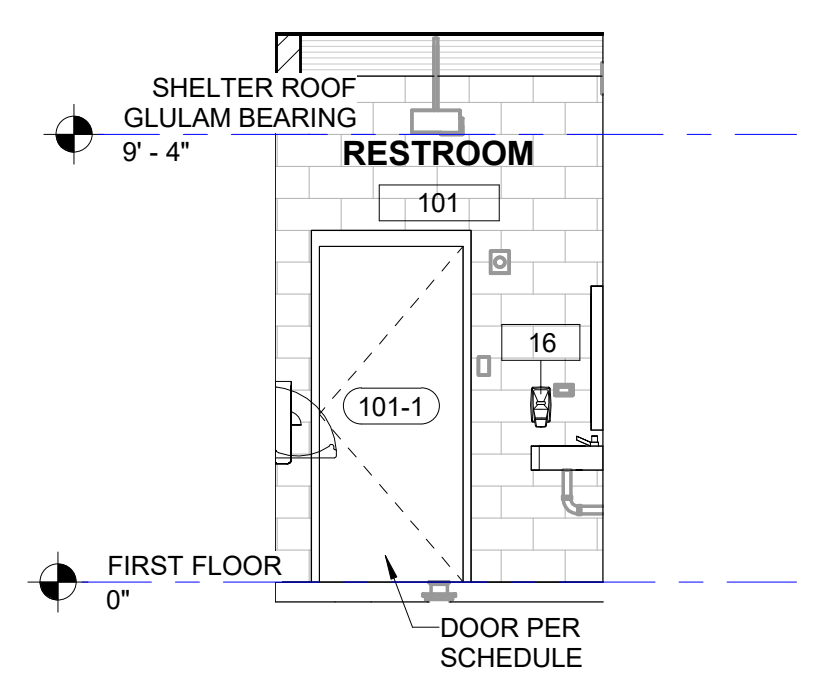
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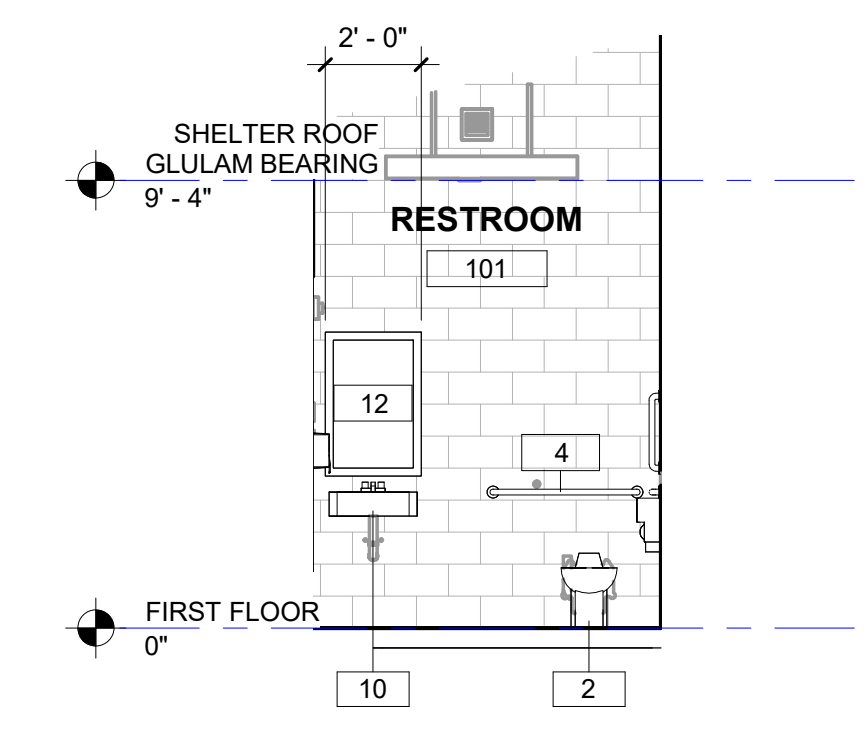
E1 101 RESTROOM - NORTH
Scale: 1/4" = 1'-0"



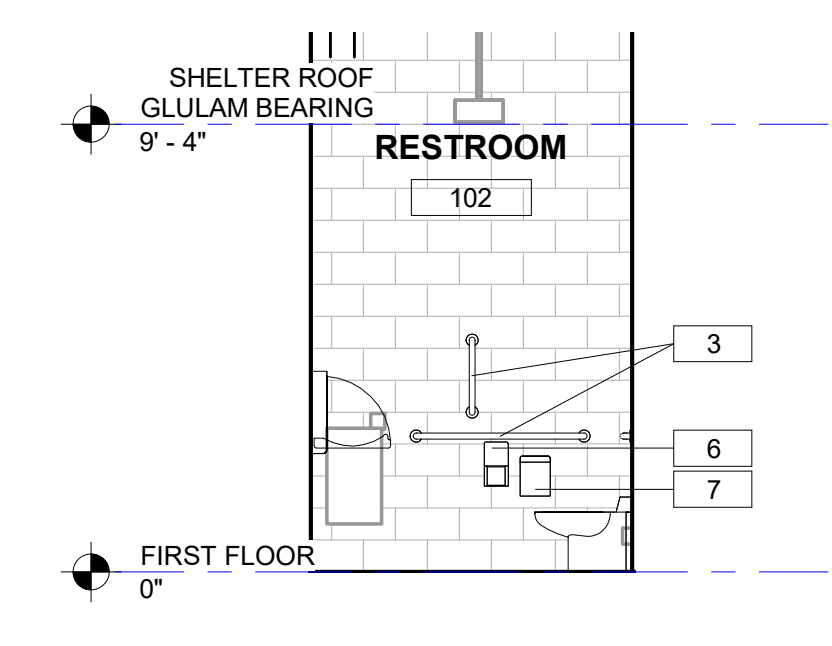
E2 101 RESTROOM - EAST
Scale: 1/4" = 1'-0"



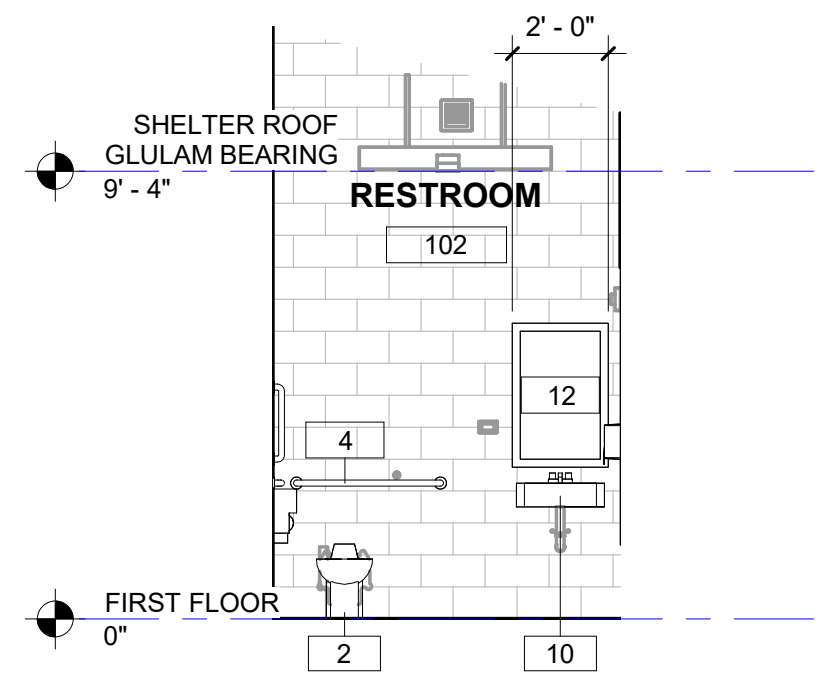
E3 101 RESTROOM - SOUTH
Scale: 1/4" = 1'-0"



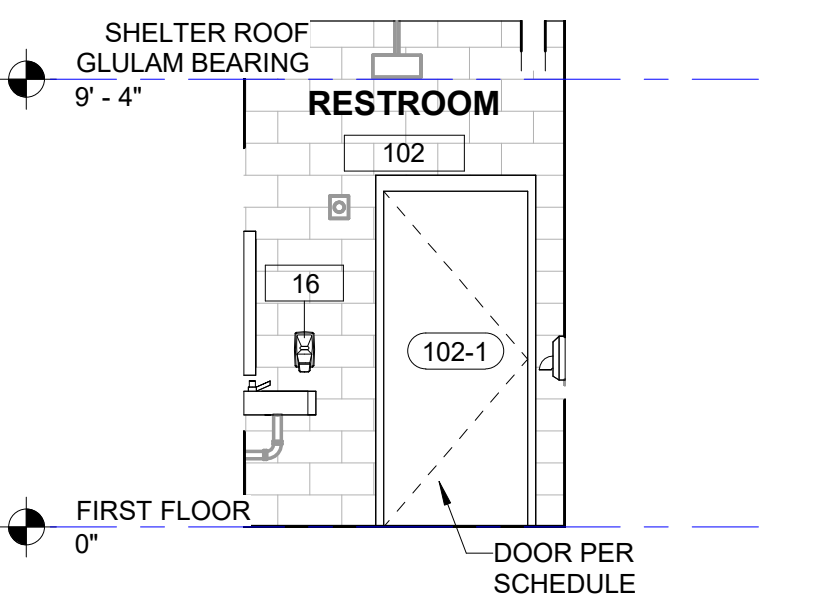
E4 101 RESTROOM - WEST
Scale: 1/4" = 1'-0"



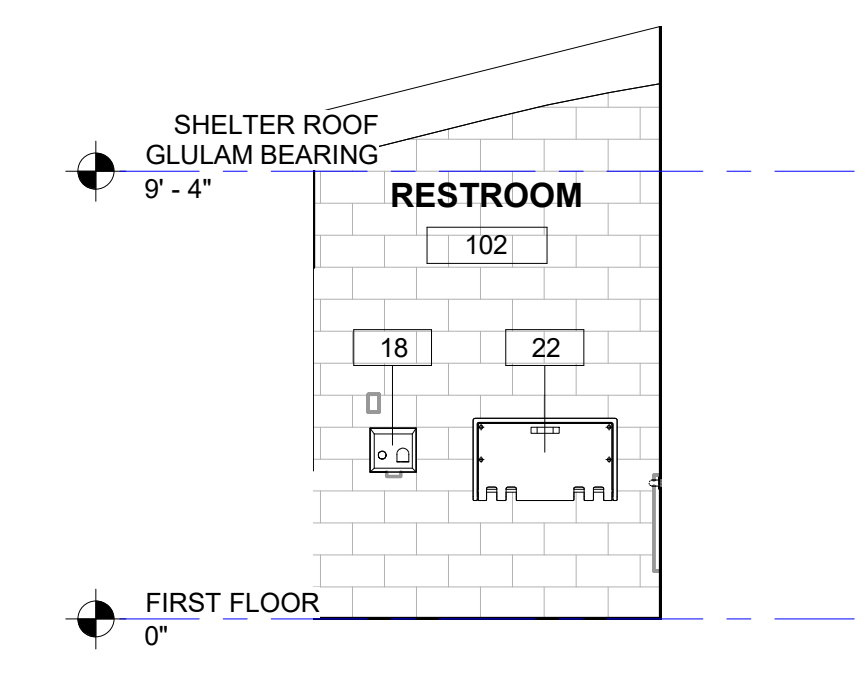
D1 102 RESTROOM - NORTH
Scale: 1/4" = 1'-0"



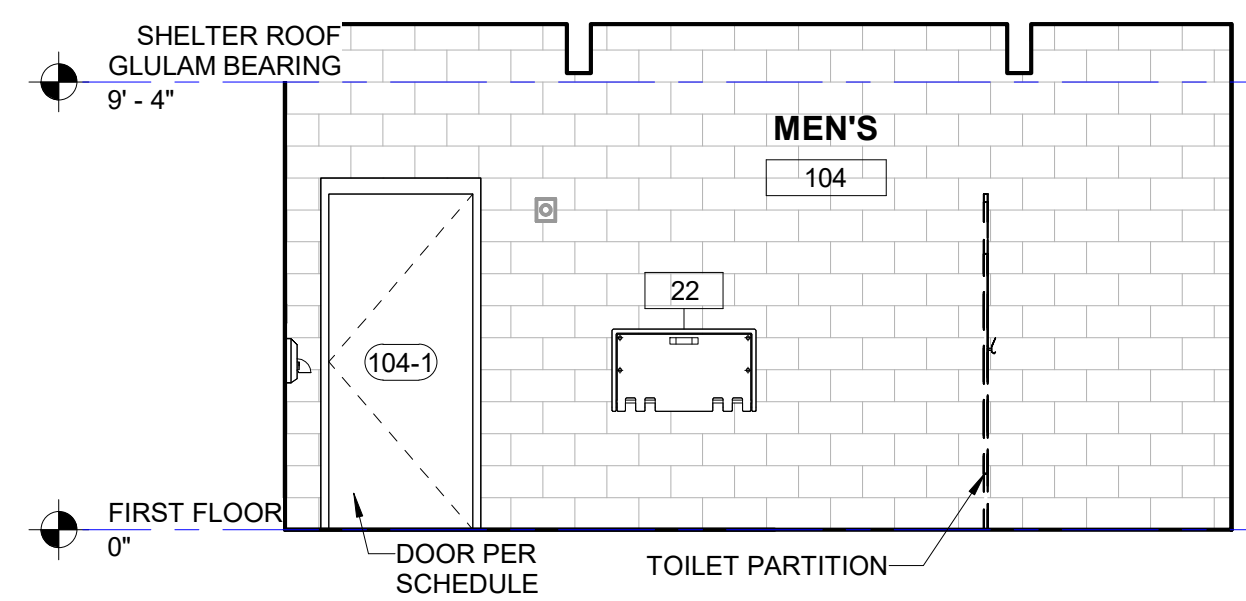
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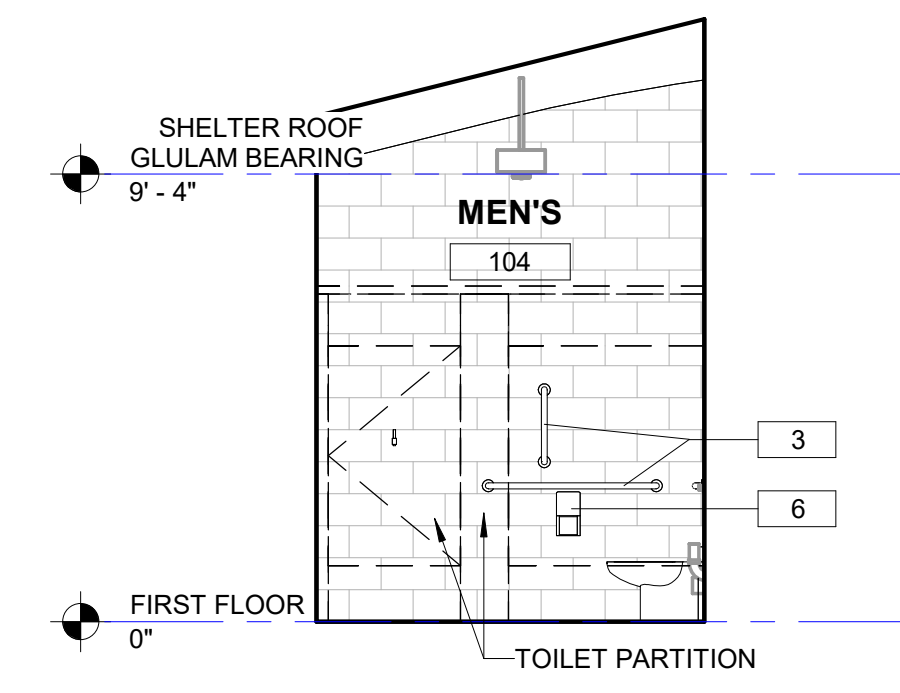
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Scale: 1/4" = 1'-0"



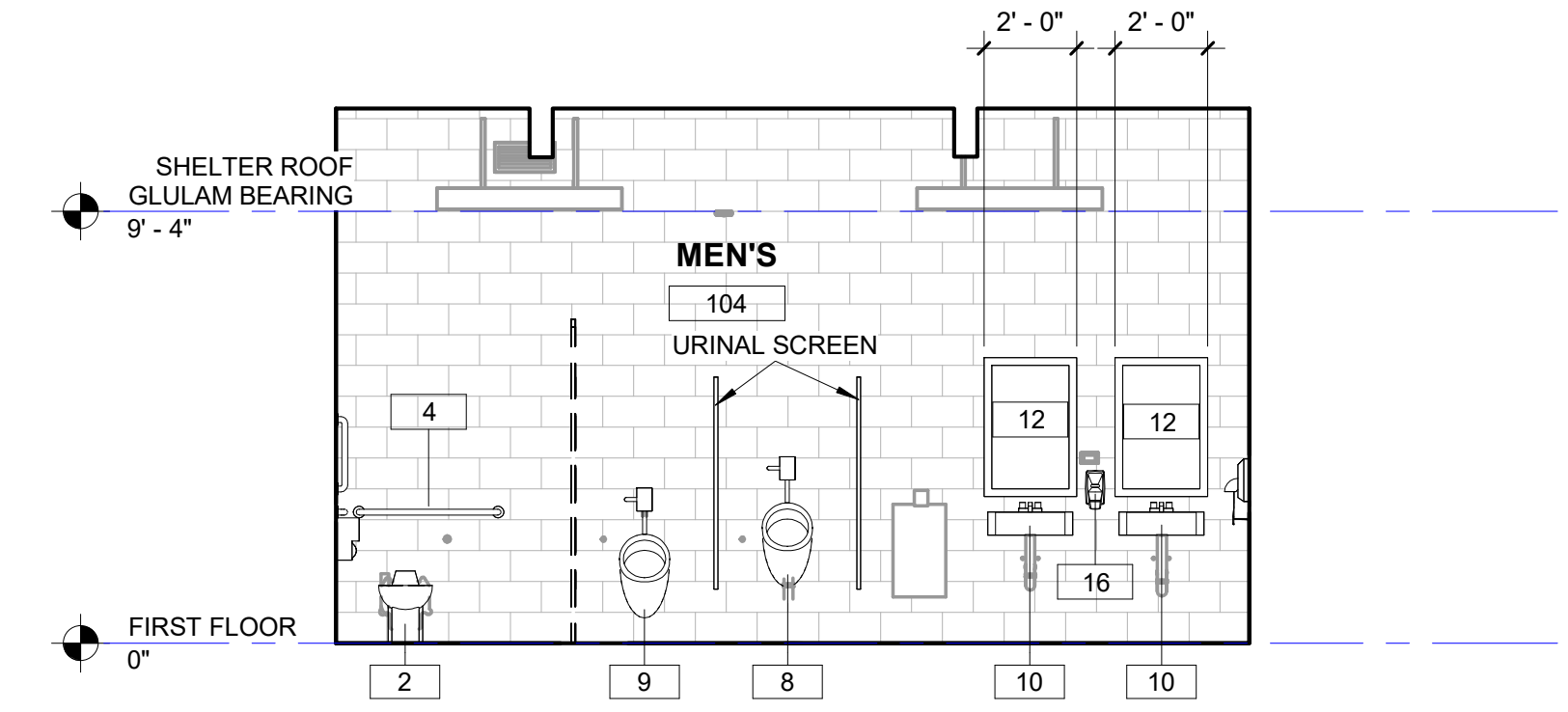
D4 102 RESTROOM - WEST
Scale: 1/4" = 1'-0"



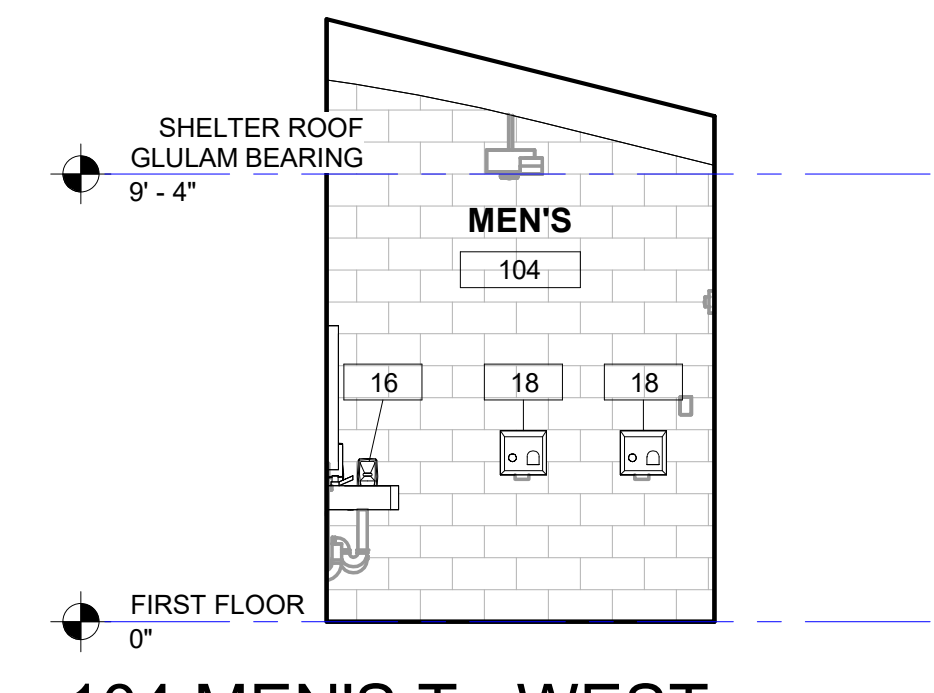
C1 104 MEN'S T - NORTH
Scale: 1/4" = 1'-0"



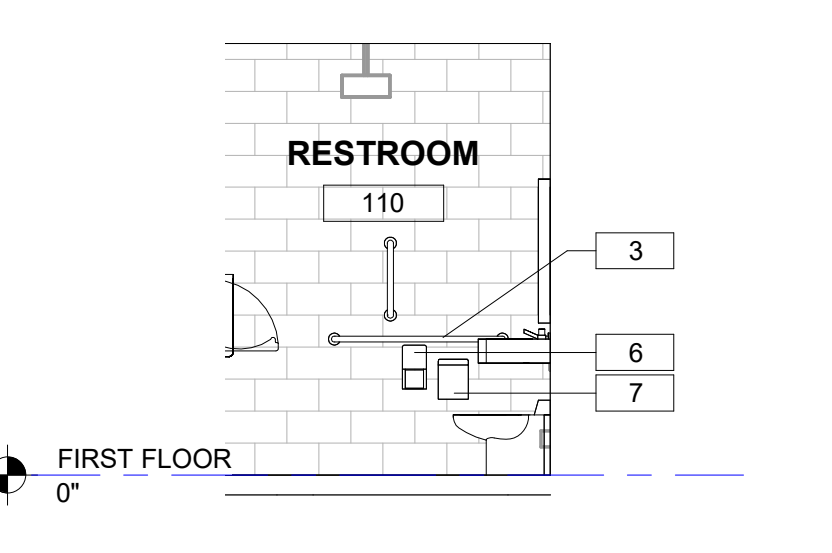
C2 104 MEN'S T - EAST
Scale: 1/4" = 1'-0"



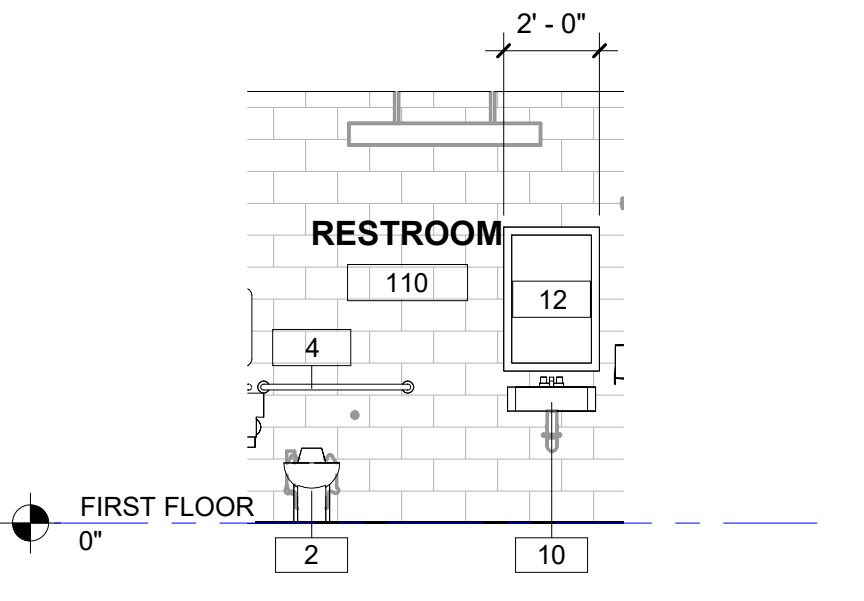
C3 104 MEN'S T - SOUTH
Scale: 1/4" = 1'-0"



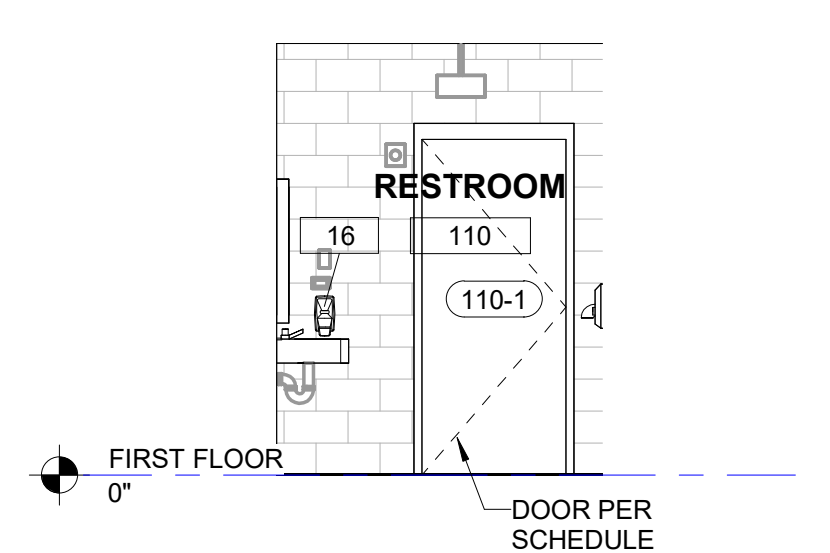
C5 104 MEN'S T - WEST
Scale: 1/4" = 1'-0"



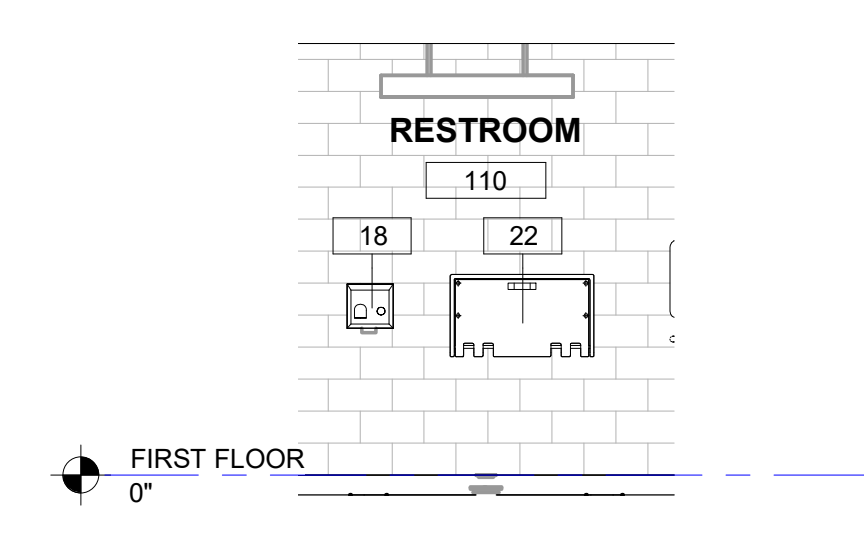
B1 110 RESTROOM - NE
Scale: 1/4" = 1'-0"



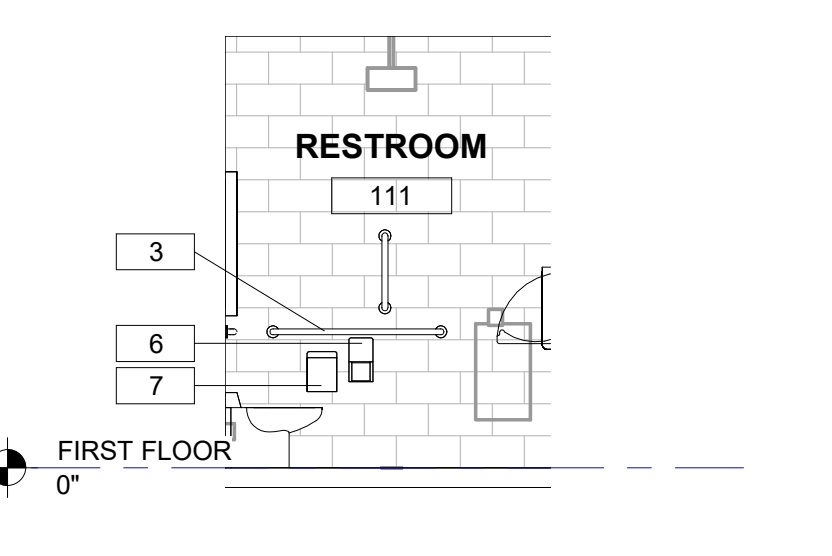
B2 110 RESTROOM - SE
Scale: 1/4" = 1'-0"



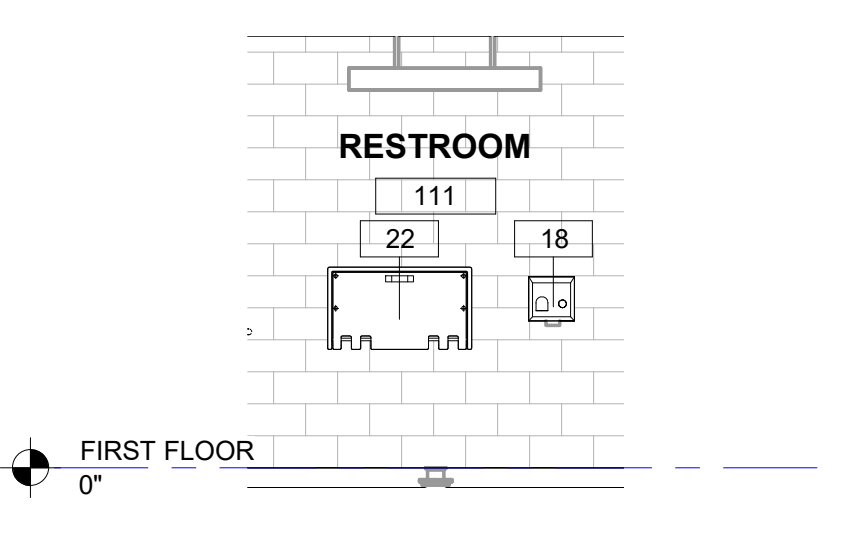
B3 110 RESTROOM - SW
Scale: 1/4" = 1'-0"



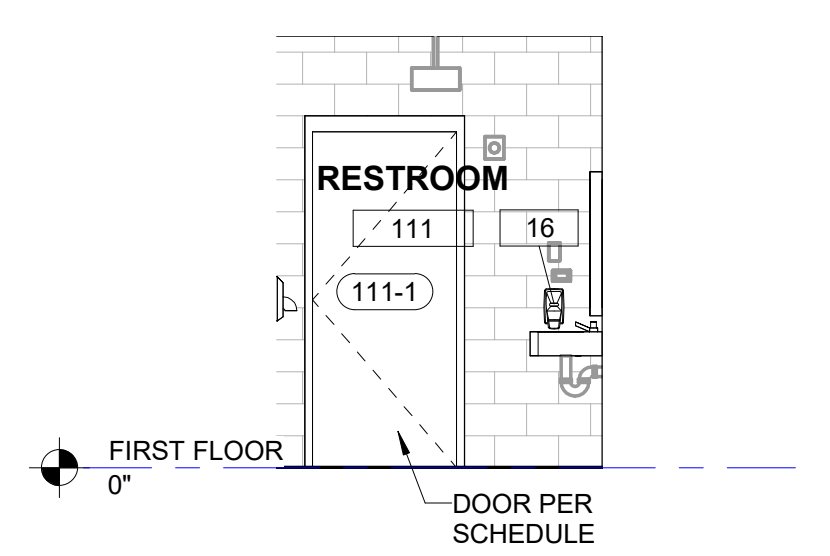
B4 110 RESTROOM - NW
Scale: 1/4" = 1'-0"



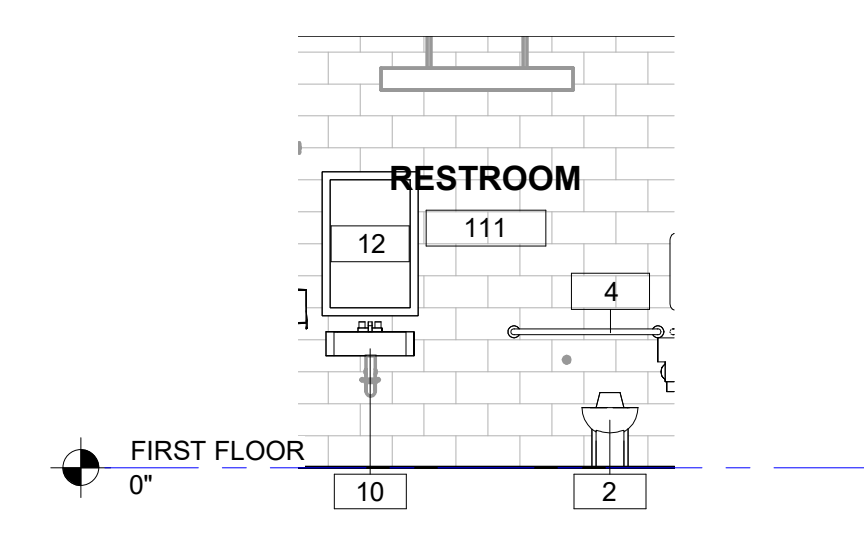
A1 111 RESTROOM - NE
Scale: 1/4" = 1'-0"



A2 111 RESTROOM - SE
Scale: 1/4" = 1'-0"



A3 111 RESTROOM - SW
Scale: 1/4" = 1'-0"



A4 111 RESTROOM - NW
Scale: 1/4" = 1'-0"

5/30/2024 1:53:27 PM



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No	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION

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SHEET TITLE

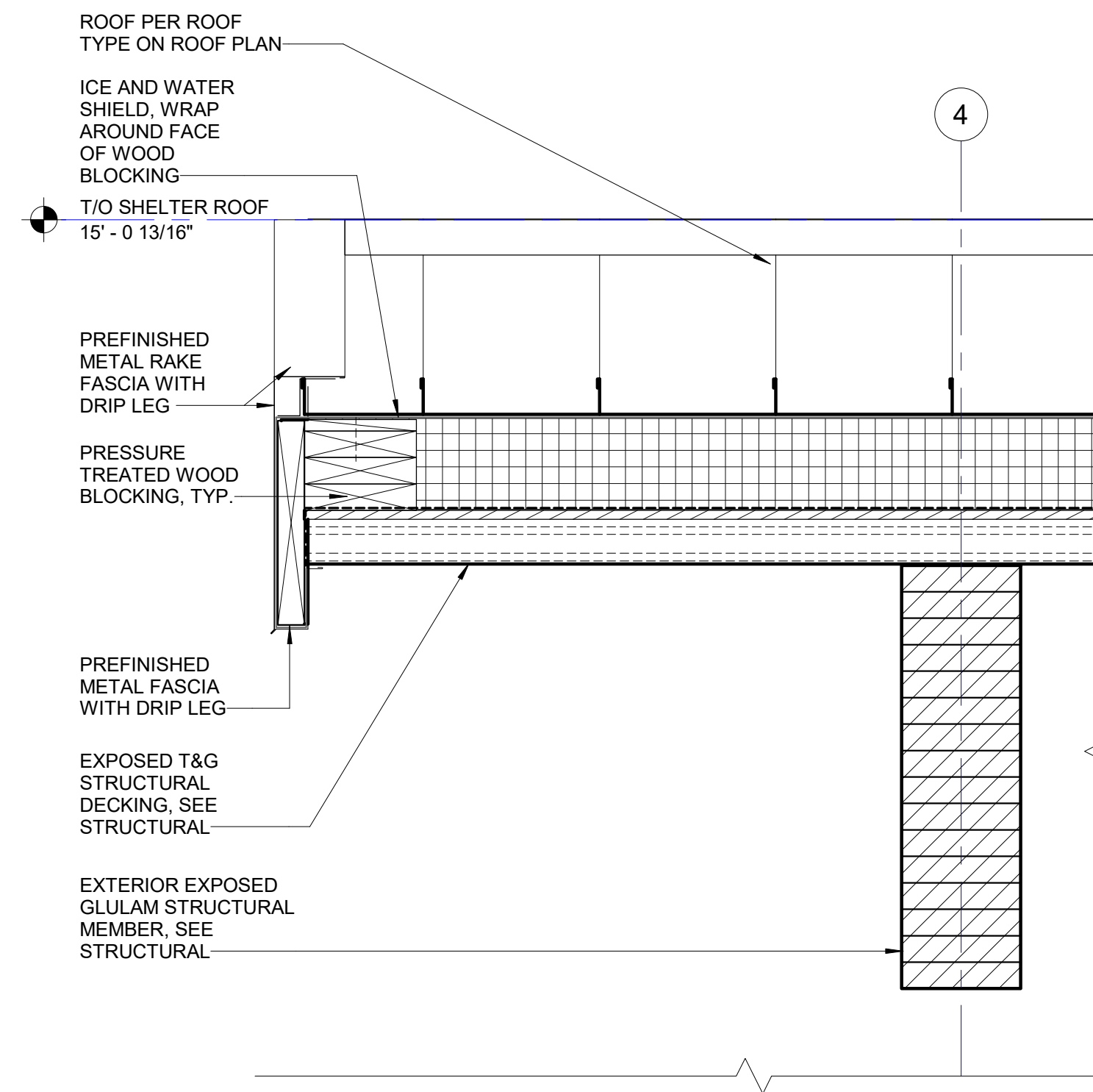
EXTERIOR SECTION DETAILS

SCALE

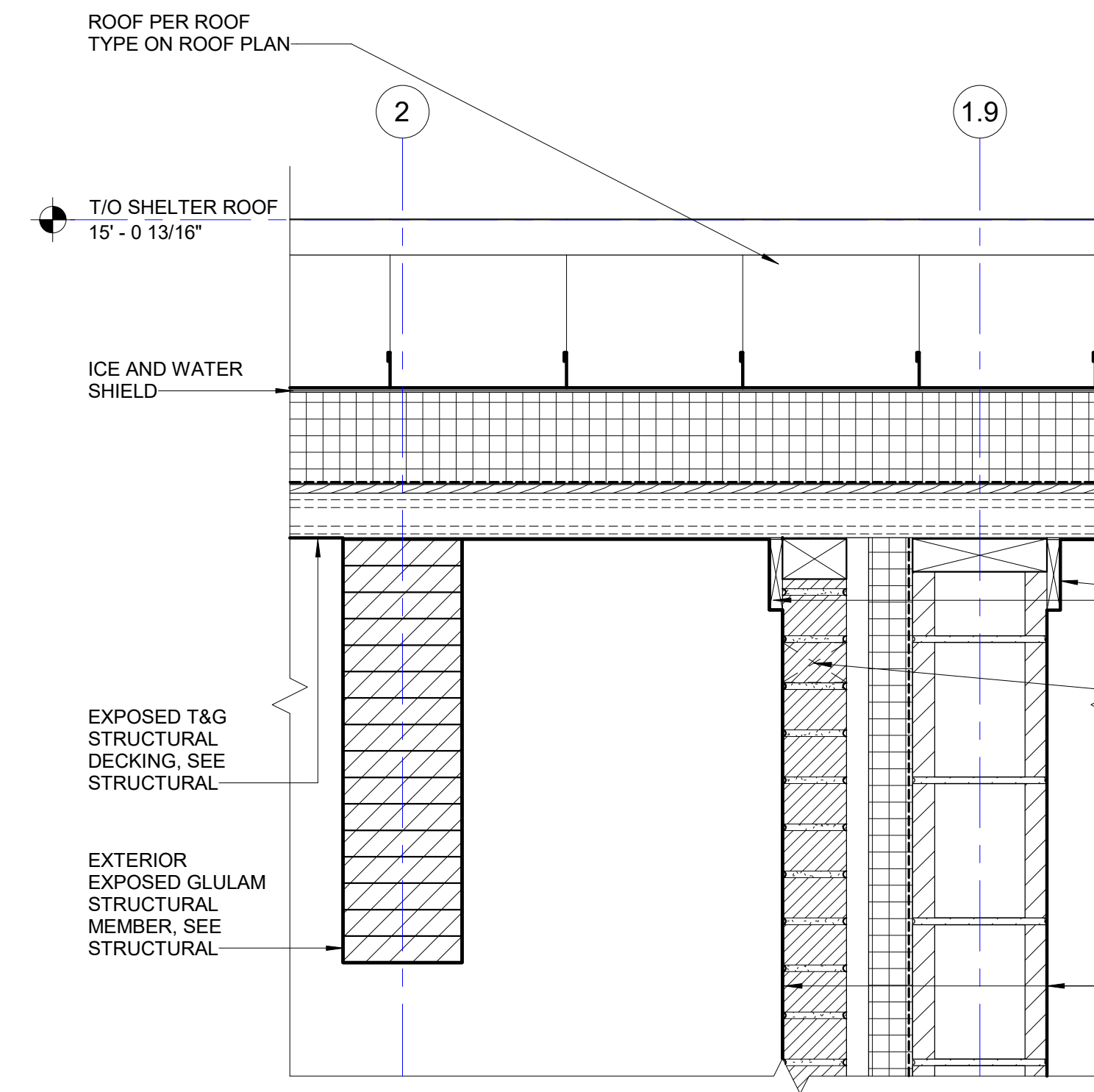
SHEET NUMBER

A-511

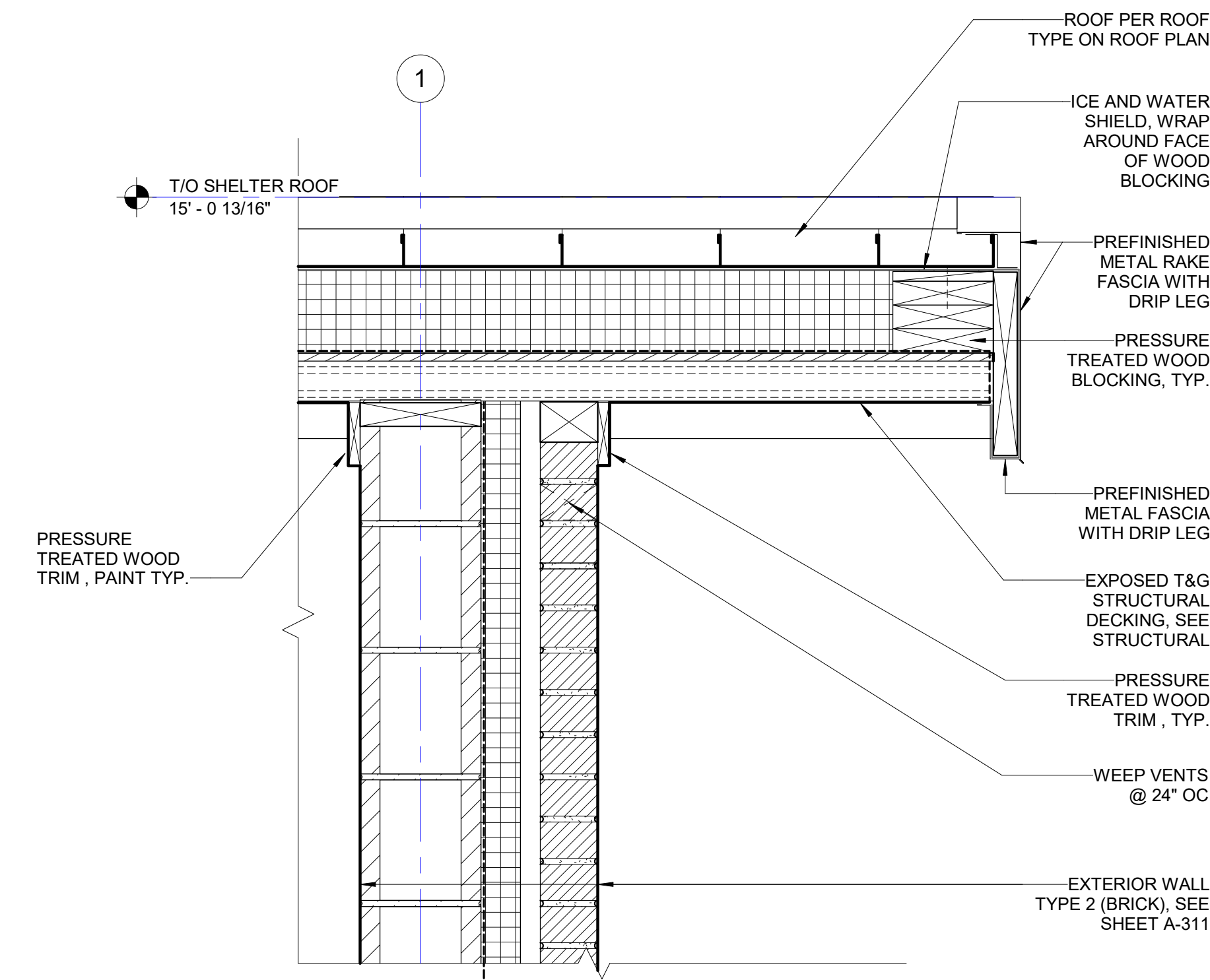
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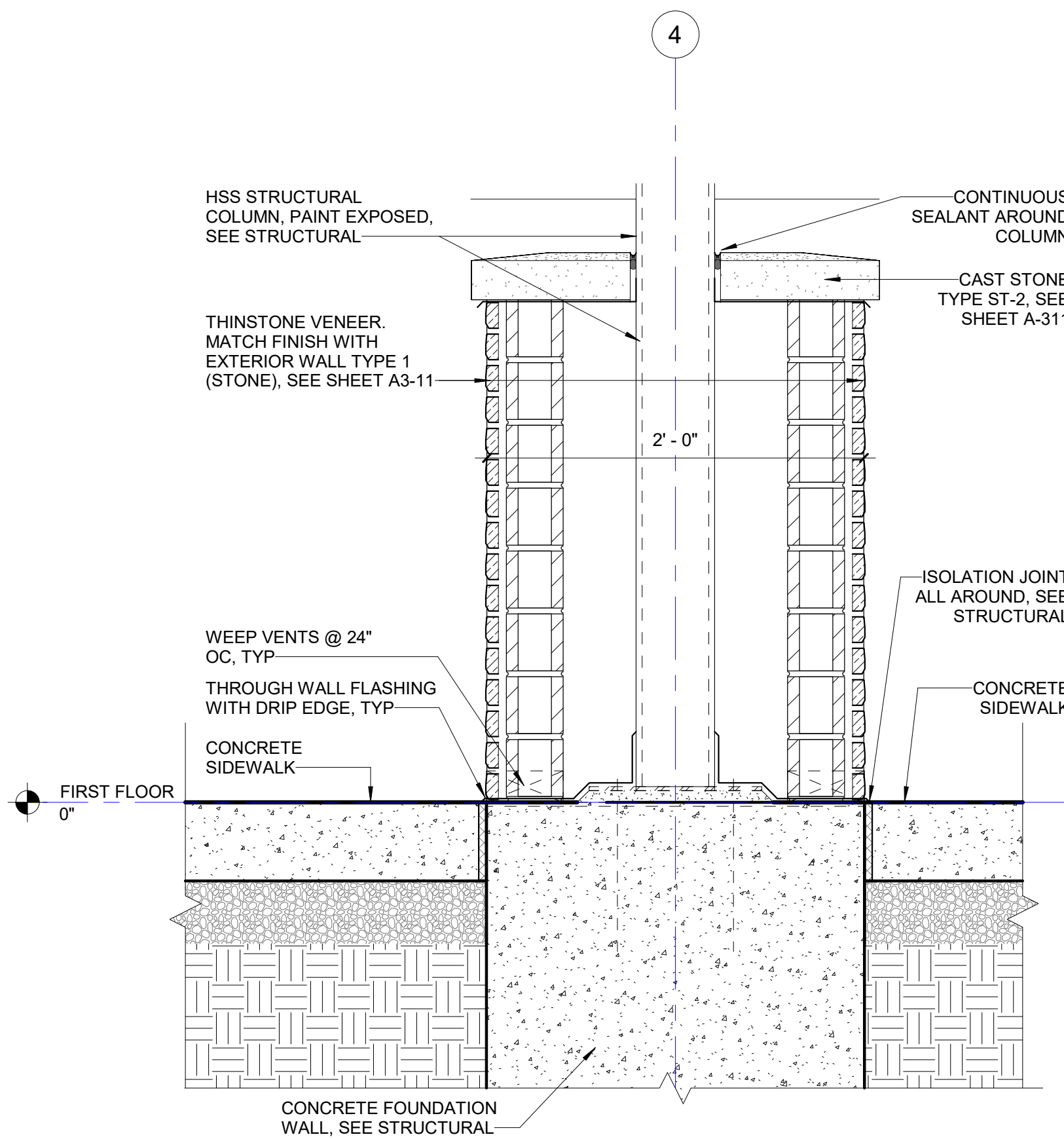
D1 SHELTER BLDG SECTION DETAIL - EXTERIOR WEST @ ROOF RAKE
Scale: 1 1/2" = 1'-0"



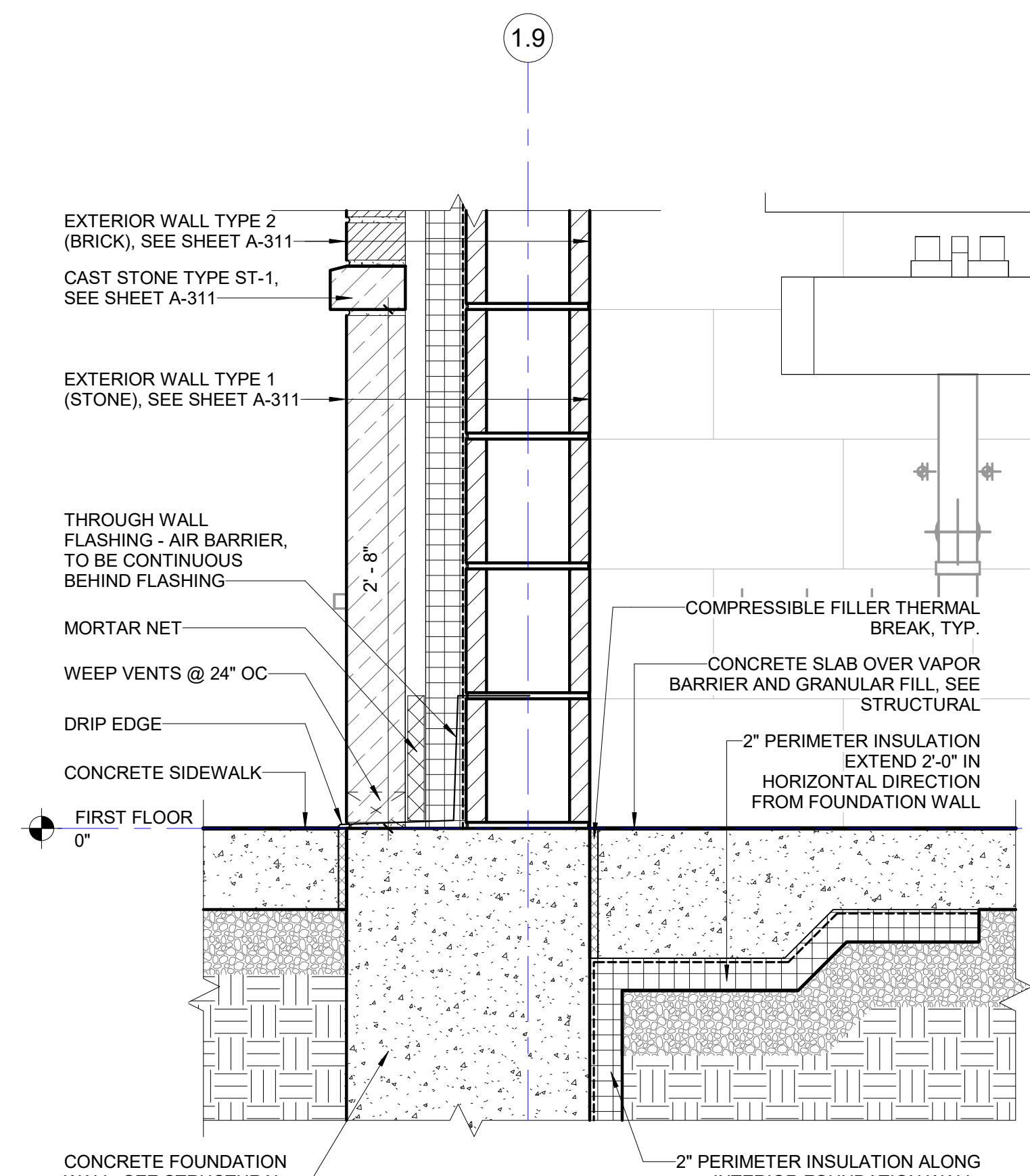
D3 SHELTER BLDG SECTION DETAIL - EXTERIOR WEST WALL @ ROOF
Scale: 1 1/2" = 1'-0"



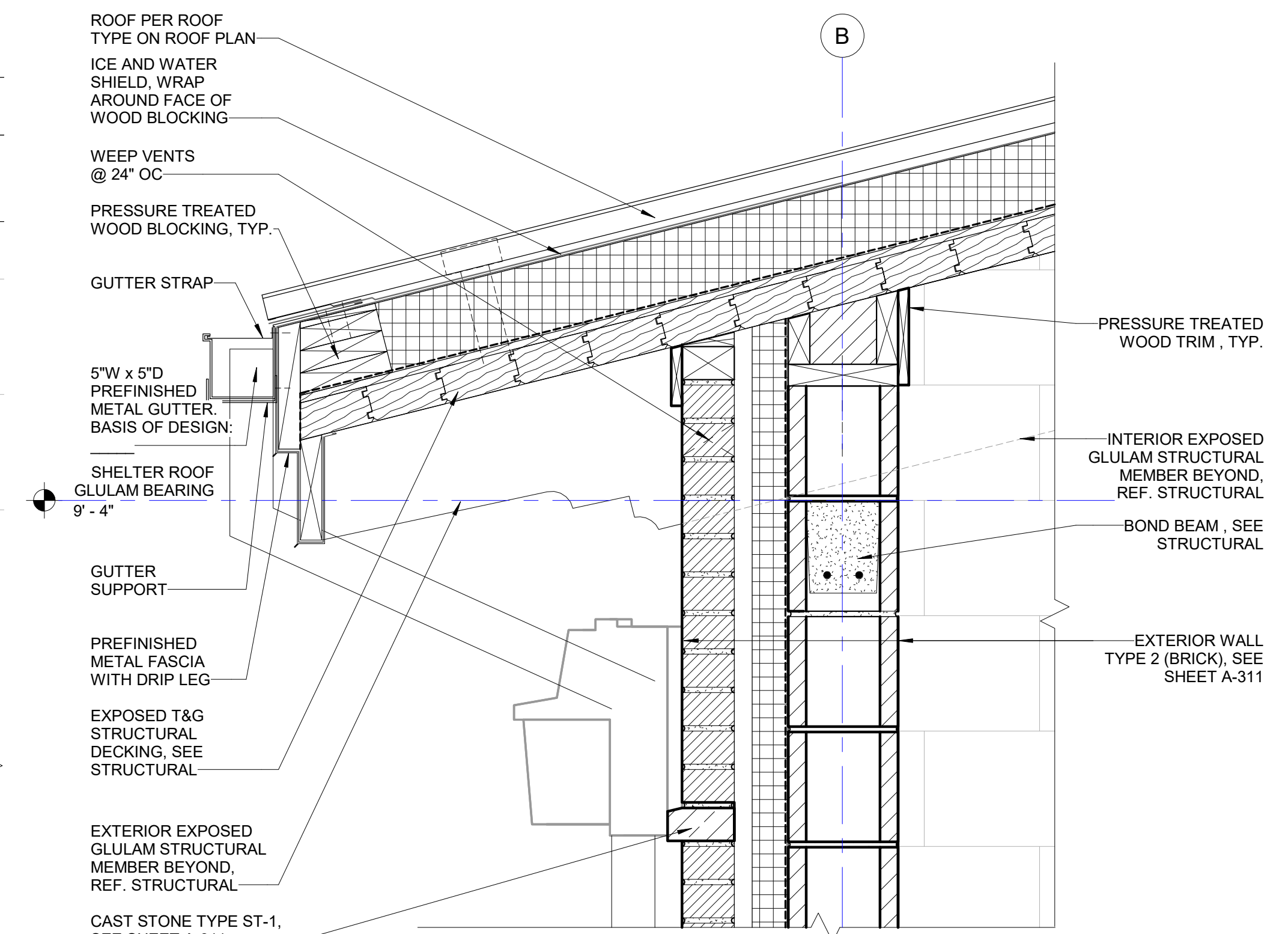
D4 SHELTER BLDG SECTION DETAIL - EXTERIOR EAST WALL @ ROOF RAKE
Scale: 1 1/2" = 1'-0"



A1 SHELTER BLDG - EXT COLUMN @ FOUNDATION
Scale: 1 1/2" = 1'-0"



A3 SHELTER BLDG - EXTERIOR WALL @ FOUNDATION
Scale: 1 1/2" = 1'-0"



A4 SHELTER BLDG SECTION DETAIL - EXTERIOR NORTH WALL @ ROOF EAVE
Scale: 1 1/2" = 1'-0"



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No.	Date	Issue
4	05/07/24	ISSUE FOR CONSTRUCTION
2	04/04/24	ADDENDUM #2
No.	Date	Issue

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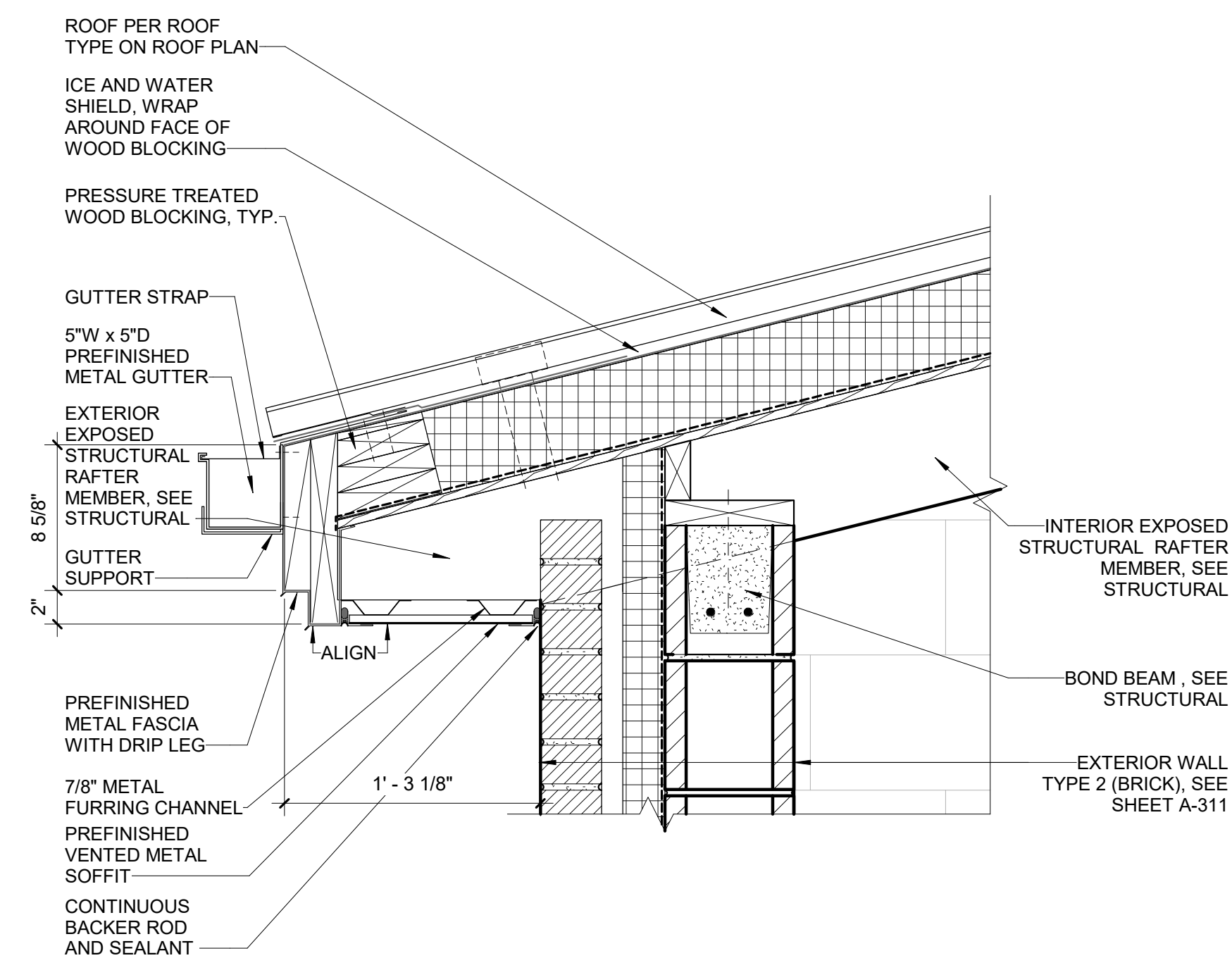
SHEET TITLE
EXTERIOR SECTION DETAILS

SCALE

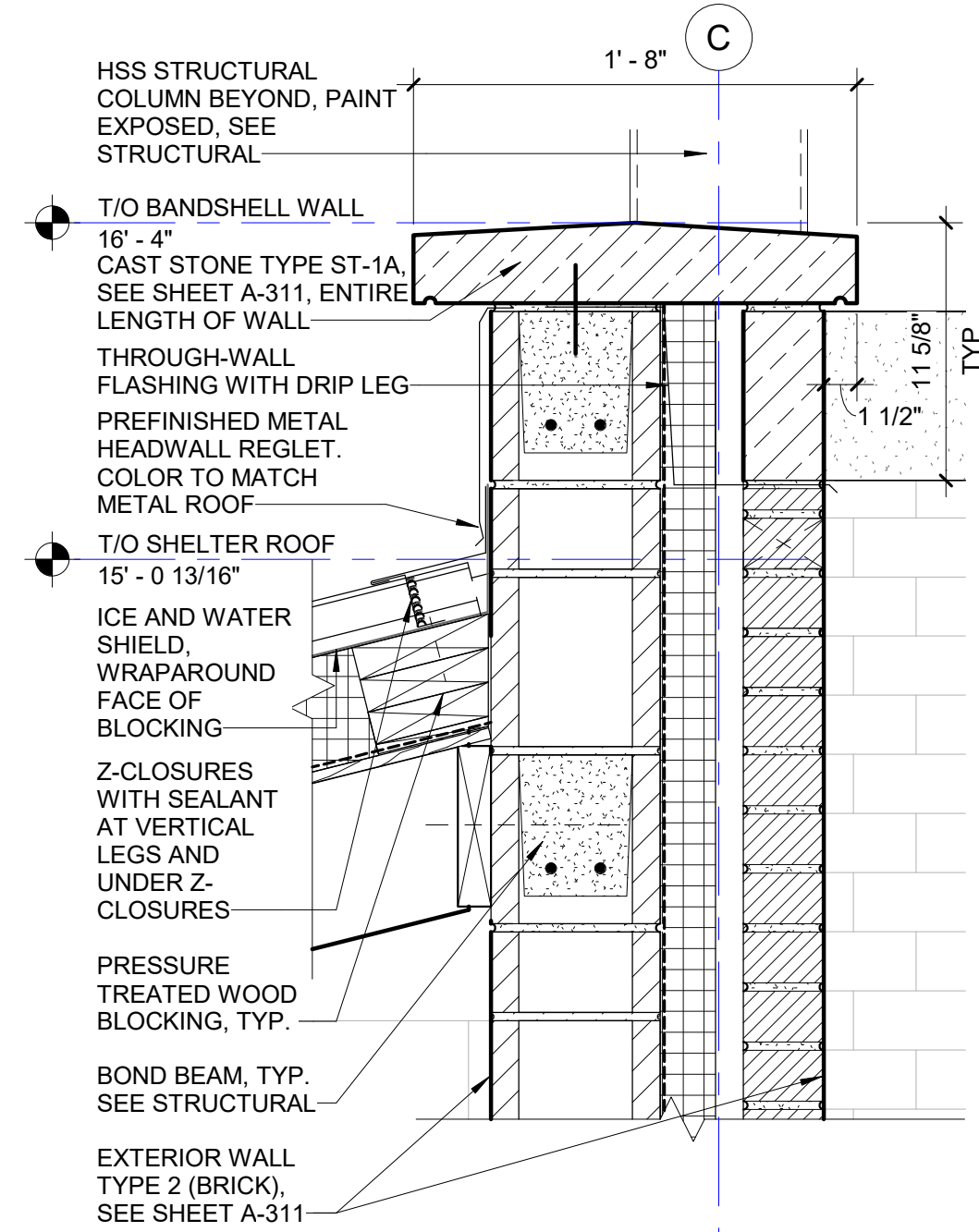
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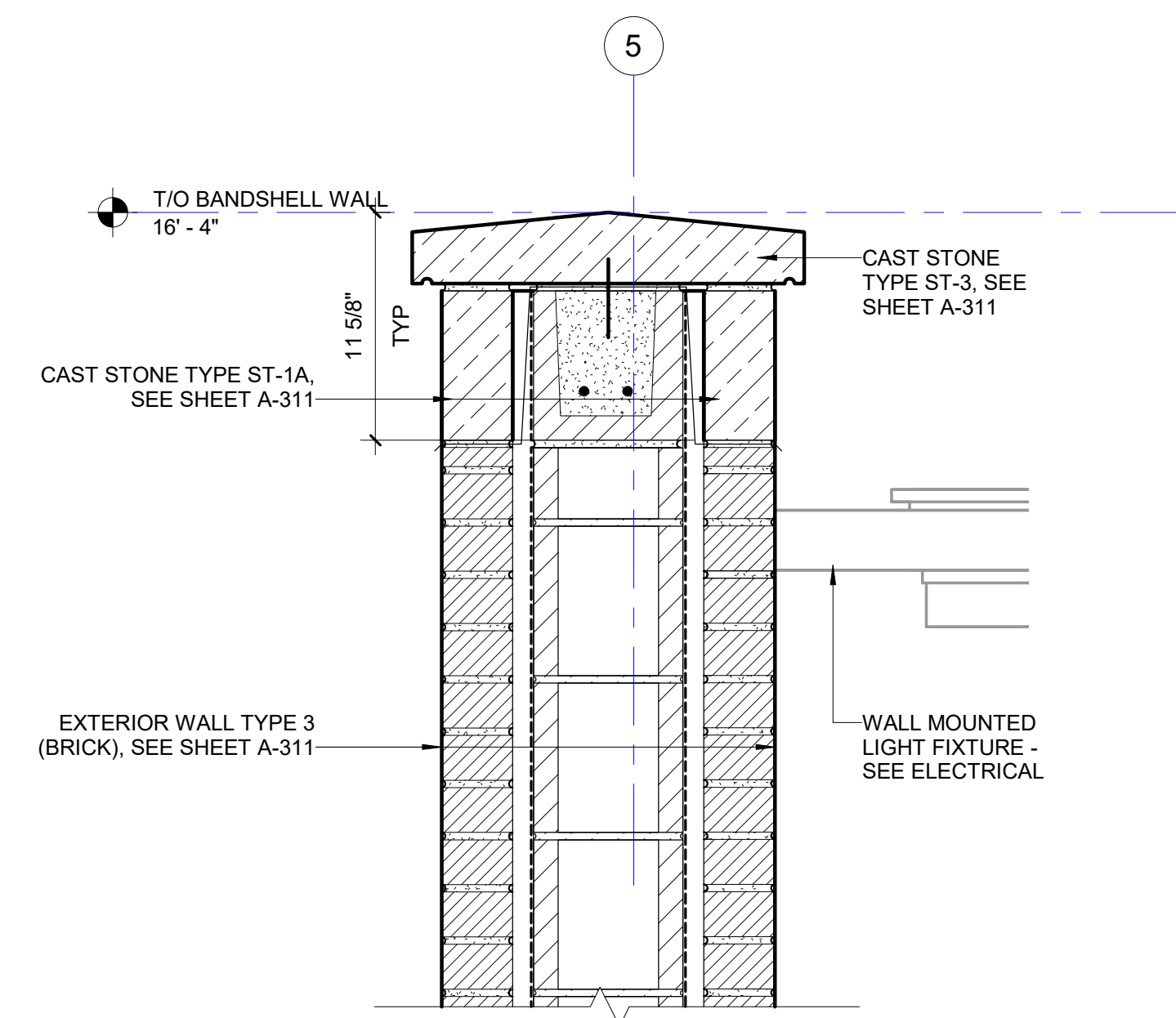
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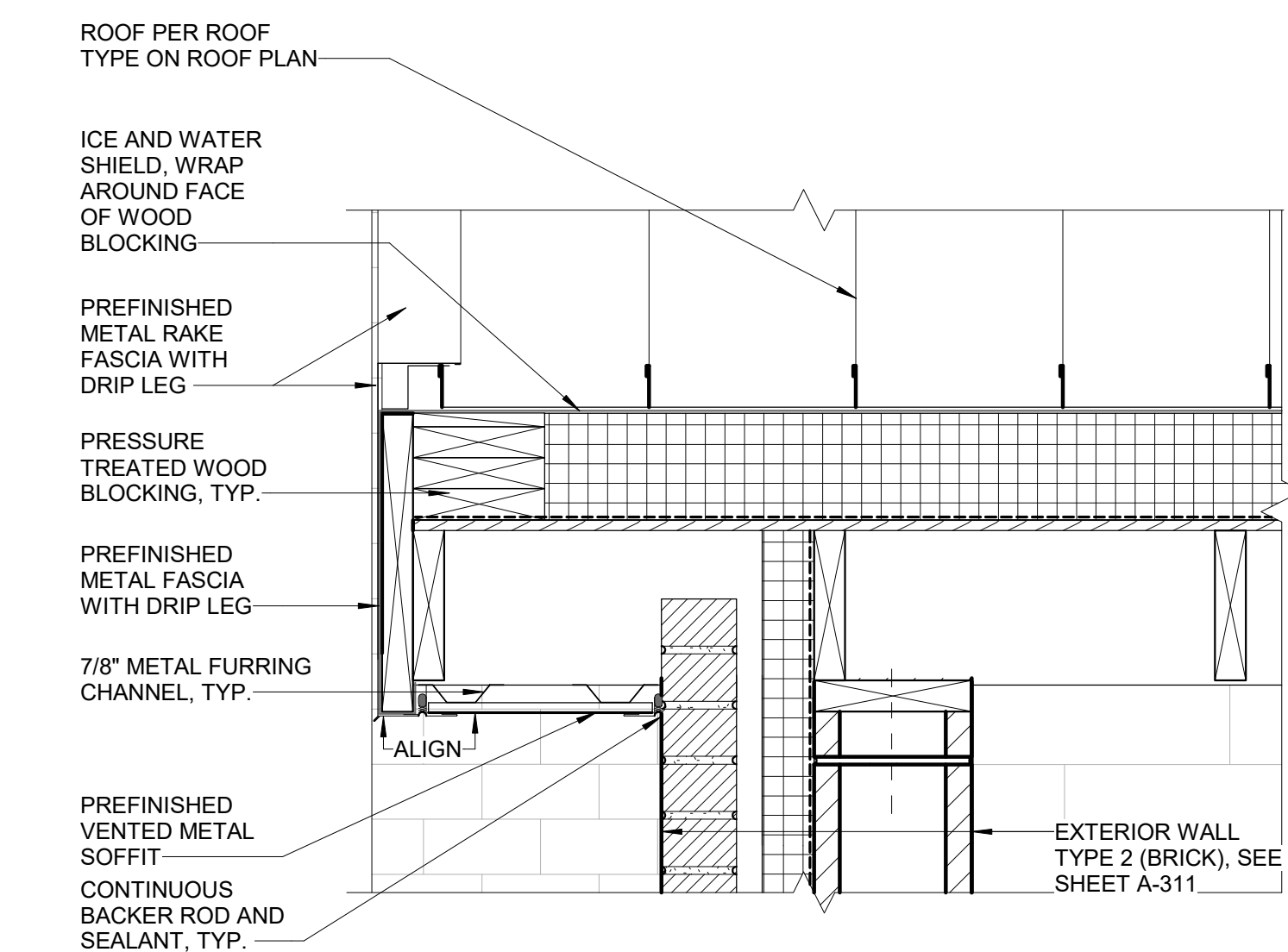
D1 BANDSHELL BLDG SECTION DETAIL - EXTERIOR WALL @ LOWER ROOF EAVE
Scale: 1 1/2" = 1'-0"



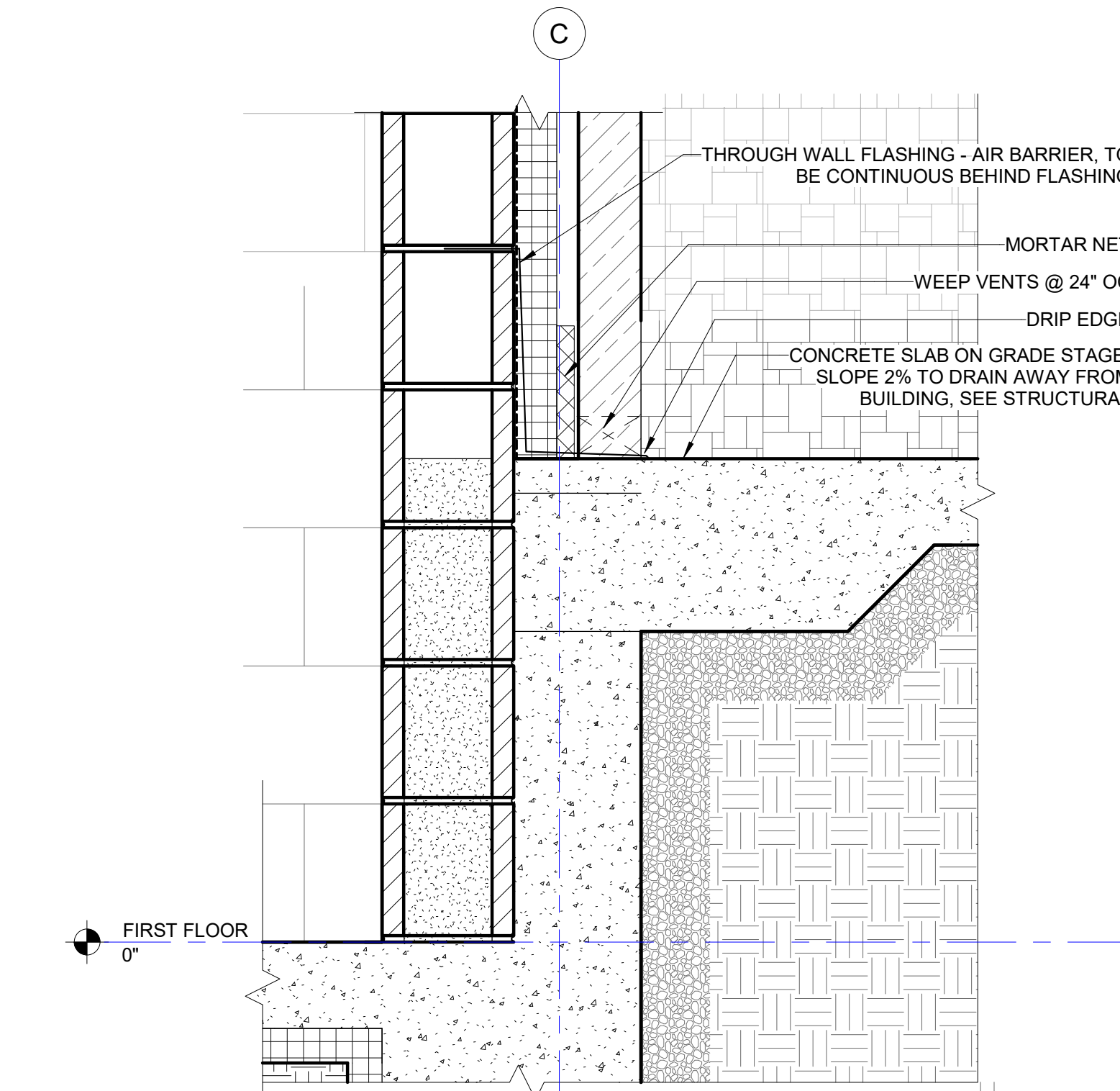
D3 BANDSHELL BLDG SECTION DETAIL - EXTERIOR WALL @ ROOF ENDWALL
Scale: 1 1/2" = 1'-0"



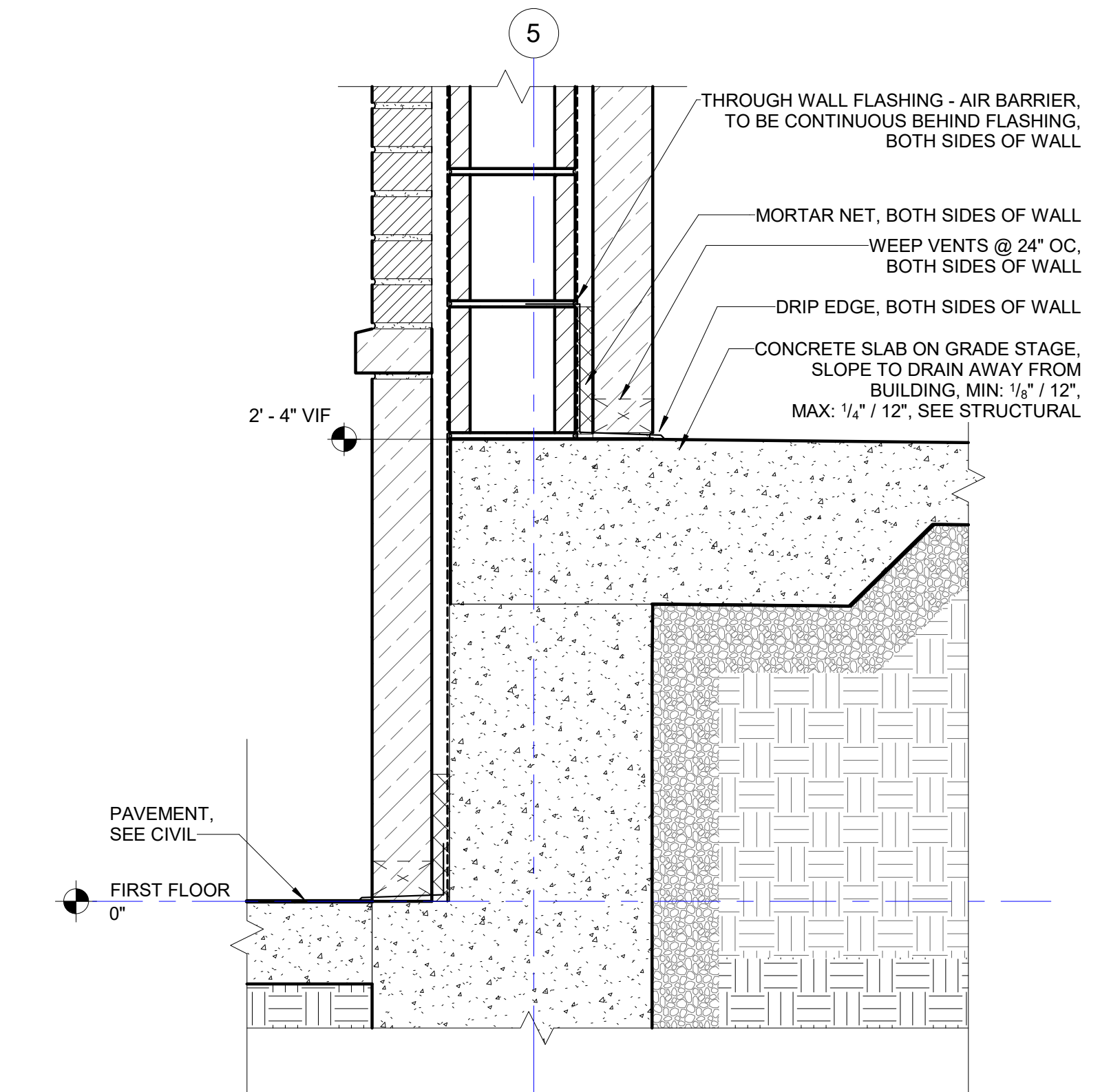
D5 BANDSHELL BLDG SECTION DETAIL - EXTERIOR WALL @ COPING
Scale: 1 1/2" = 1'-0"



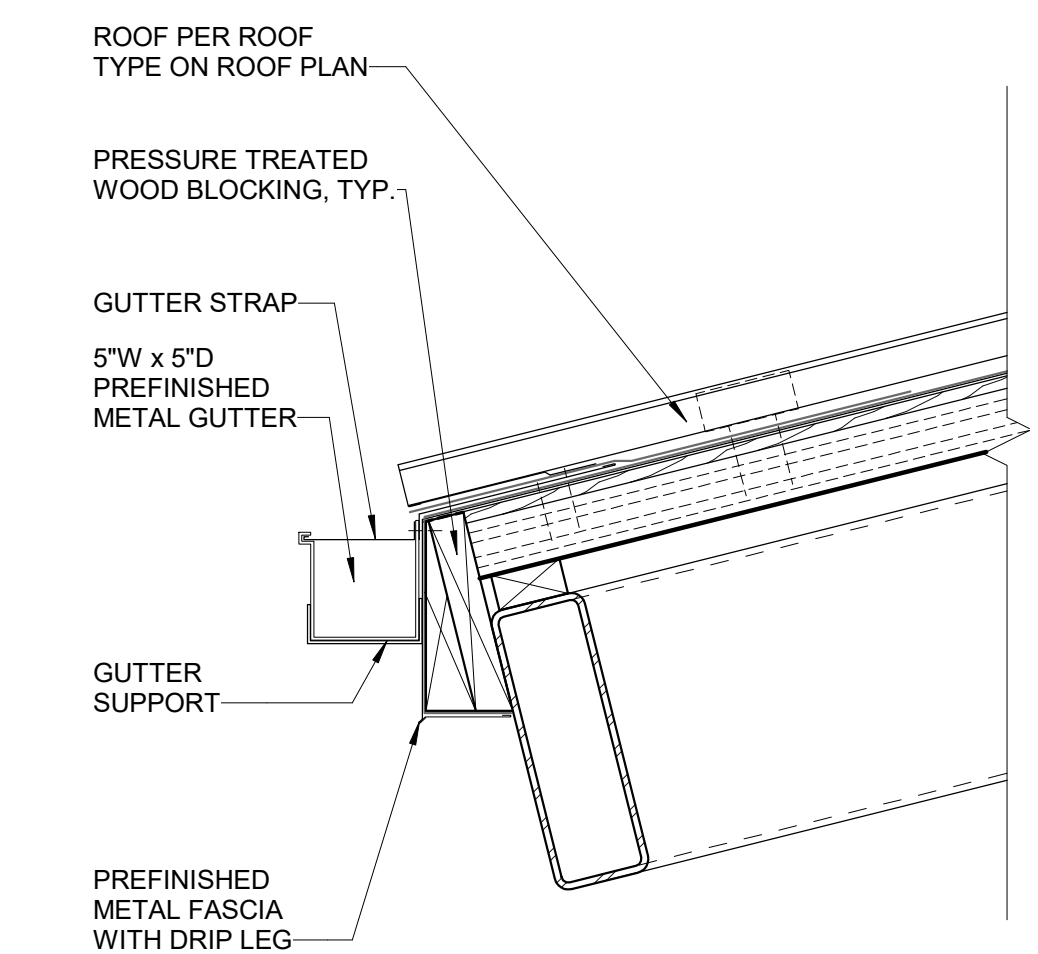
C1 BANDSHELL BLDG SECTION DETAIL - EXTERIOR WALL @ LOWER ROOF RAKE
Scale: 1 1/2" = 1'-0"



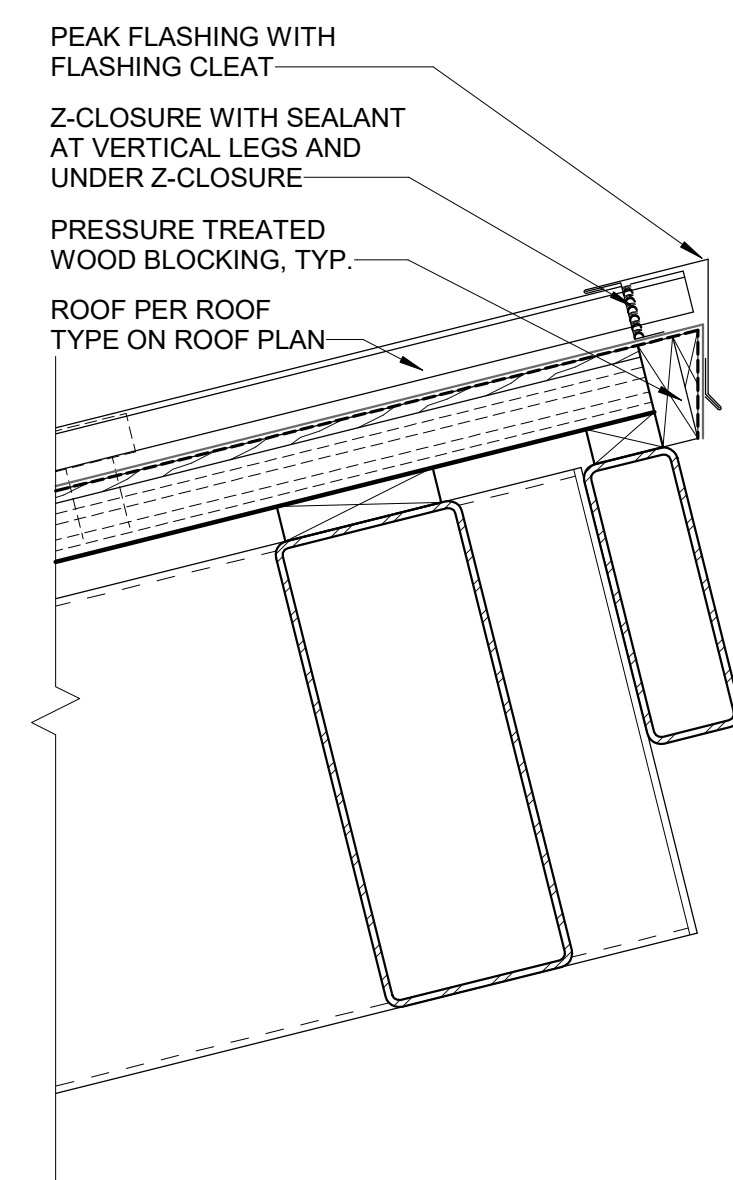
B3 BANDSHELL BLDG SECTION DETAIL - EXTERIOR SOUTHEAST WALL @ FOUNDATION
Scale: 1 1/2" = 1'-0"



B5 BANDSHELL BLDG SECTION DETAIL - EXTERIOR NORTH WALL @ FOUNDATION
Scale: 1 1/2" = 1'-0"



A1 BANDSHELL BLDG SECTION DETAIL - EXTERIOR UPPER ROOF @ LOWER EAVE
Scale: 1 1/2" = 1'-0"



A2 BANDSHELL BLDG SECTION DETAIL - EXTERIOR UPPER ROOF @ HIGHER EAVE
Scale: 1 1/2" = 1'-0"

PREPARED FOR

**Village of
Algonquin**

2200 Hamish Dr.
Algonquin, IL 60102

PROJECT

Towne Park

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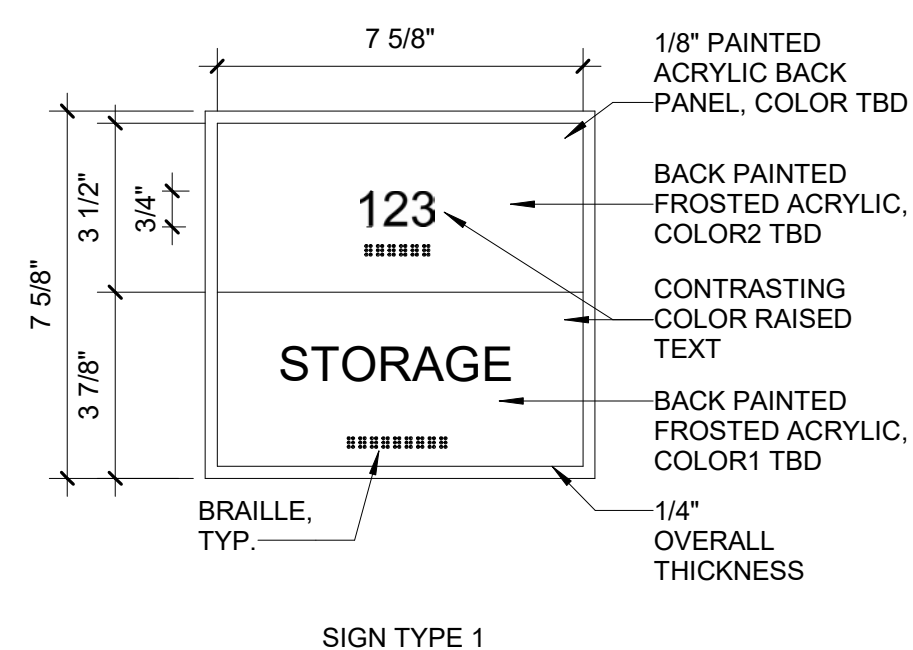
SHEET TITLE
SIGNAGE DETAILS

SCALE

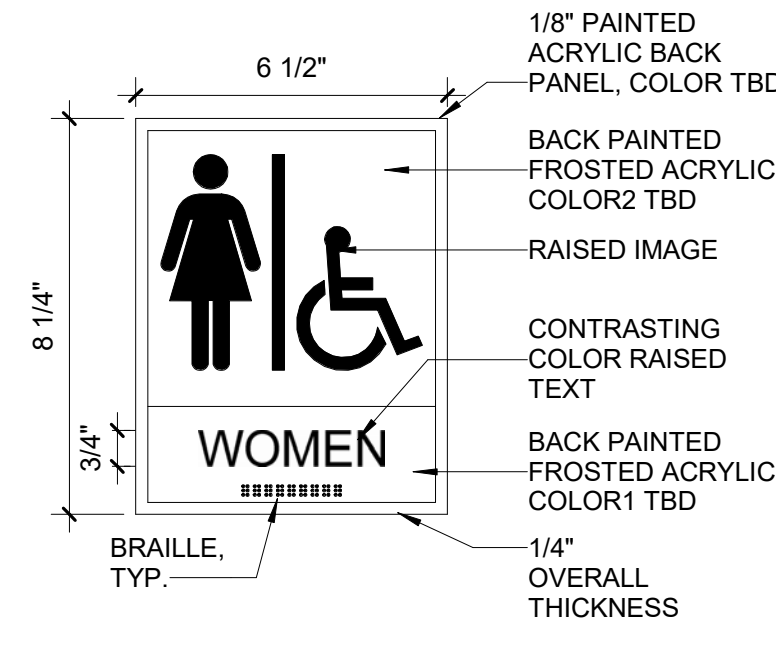
SHEET NUMBER

A-521

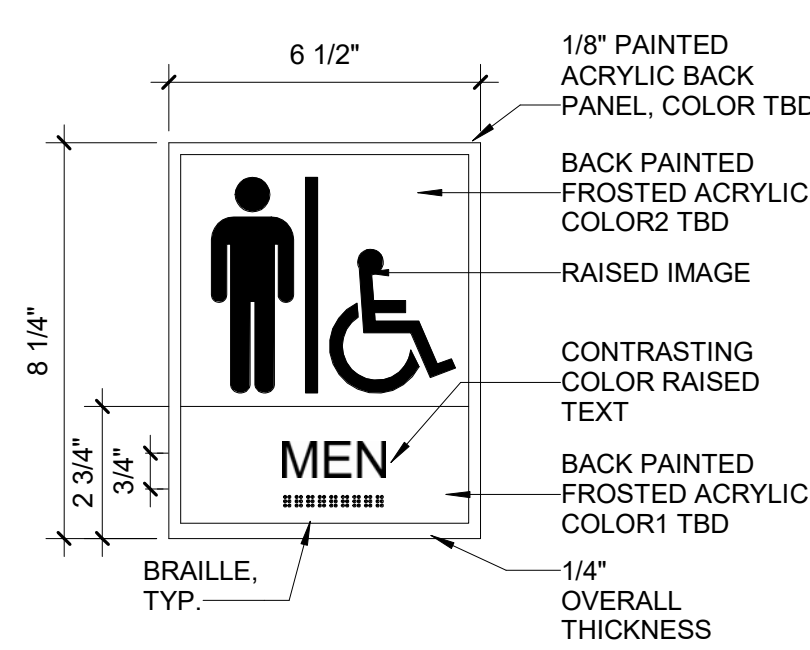
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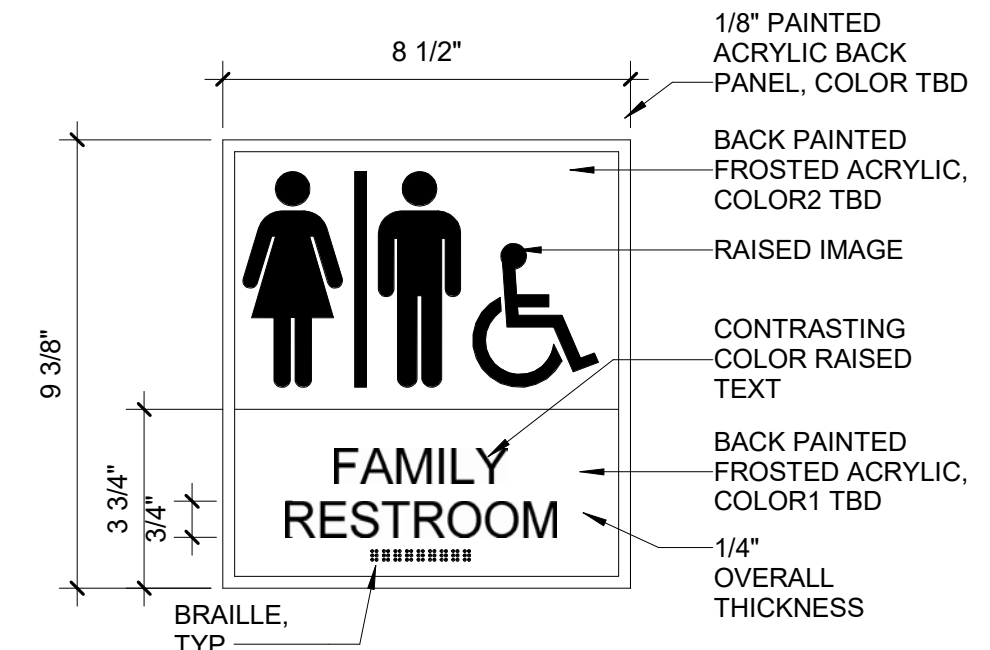
SIGN TYPE 1



SIGN TYPE 2A



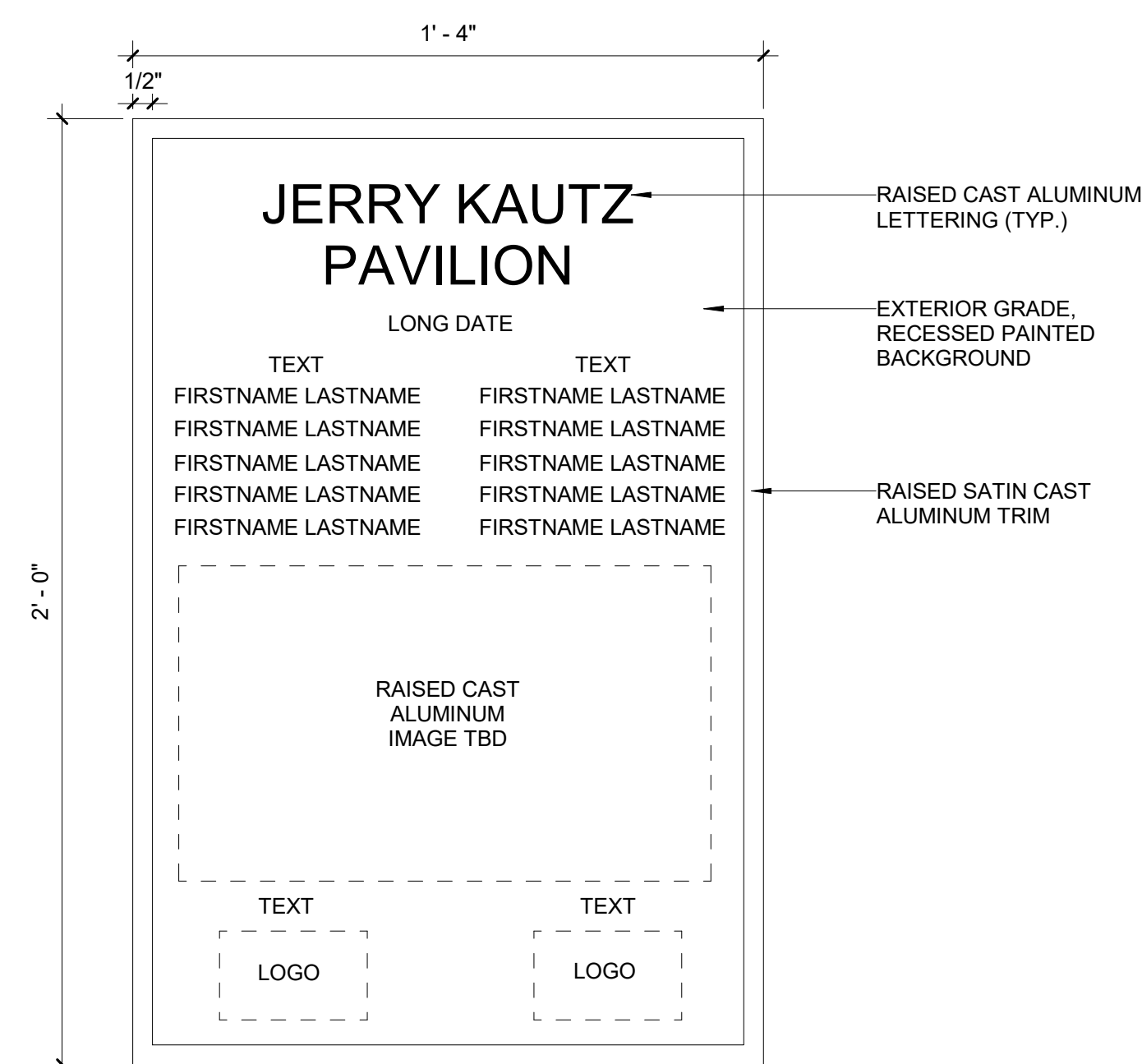
SIGN TYPE 2B



SIGN TYPE 3

NOTES:

- ALL INTERIOR AND EXTERIOR STORAGE, ELECTRICAL, MECHANICAL, CUSTODIAL, HOUSEKEEPING AND IT ROOMS OR CLOSETS SHALL BE LABELED AS SUCH ON THE EXTERIOR OF THE DOORS.
- THE OUTSIDE DOOR TO THE FIRE ALARM CONTROL PANEL ROOM MUST READ "FACP" ON THE EXTERIOR SIDE OF THE DOOR. LETTERING SHALL BE 4" MINIMUM IN SIZE AND OF CONTRASTING COLOR TO THE DOOR.



SIGN TYPE 4
(DEDICATION PLAQUE)

A3 SIGNAGE TYPES
Scale: 3" = 1'-0"



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3	04/08/24	REVISED
No.	Date	Issue

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SHEET TITLE

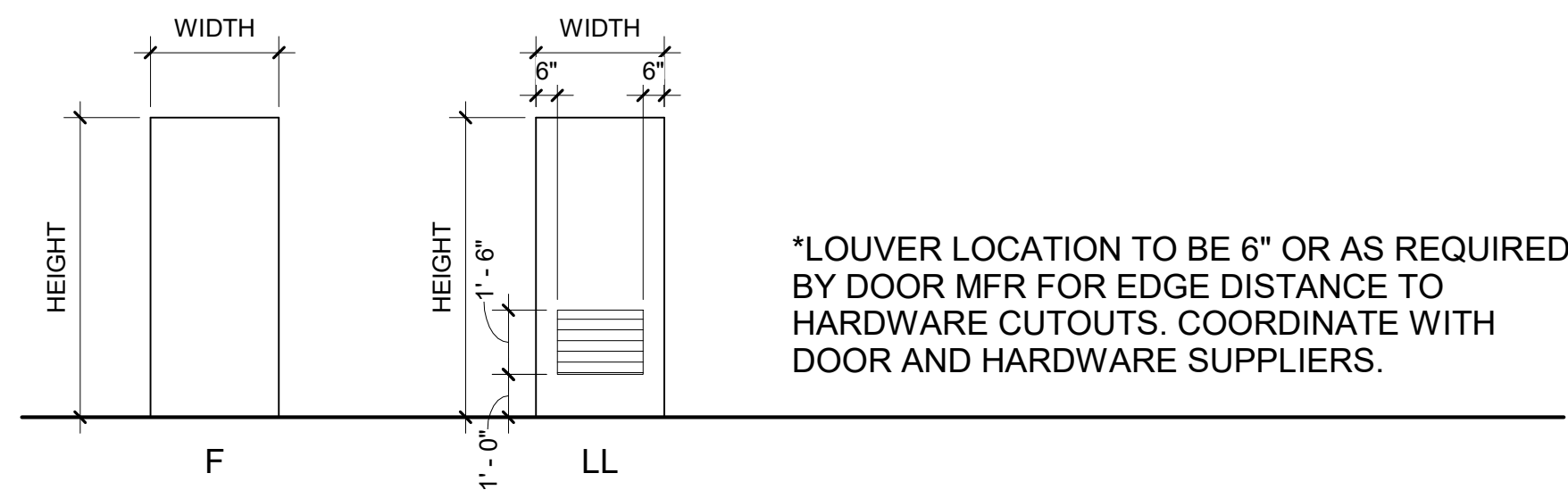
DOOR SCHEDULES, ELEVATIONS & PLAN DETAILS

SCALE

SHEET NUMBER

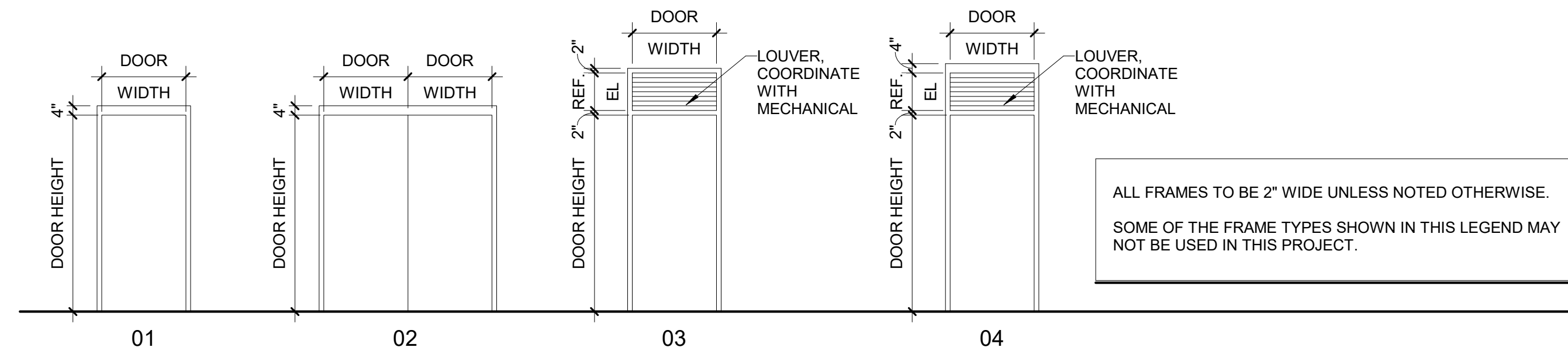
A-601

DOOR NUMBER	LEAF QTY	DOOR SCHEDULE														
		DOOR				FRAME		DETAILS			FIRE LABEL	HARDWARE	REMARKS	DOOR NUMBER		
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	TYPE	MATERIAL	HEAD	JAMB					SILL	
101-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			1.0		101-1
102-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			1.0		102-1
103-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			2.0		103-1
103-2	1	2'-6"	7'-0"	1 3/4"	LL	HM	01	HM	B2/A-601	A2/A-601	--			4.0		103-2
104-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			2.0		104-1
105-1	1	3'-0"	7'-4"	1 3/4"	F	HM	04	HM	B3/A-601	A1/A-601	A3/A-601			3.0		105-1
106-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			3.0		106-1
106-2	1	3'-0"	7'-0"	1 3/4"	LL	HM	01	HM	B2/A-601	A2/A-601	--			5.0		106-2
107-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			3.0		107-1
109-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			3.0		109-1
110-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			1.0		110-1
110-2	1	3'-0"	7'-4"	1 3/4"	F	HM	03	HM	B3/A-601	A1/A-601	A3/A-601			3.0		110-2
111-1	1	3'-0"	7'-0"	1 3/4"	F	HM	01	HM	B1/A-601	A1/A-601	A3/A-601			1.0		111-1



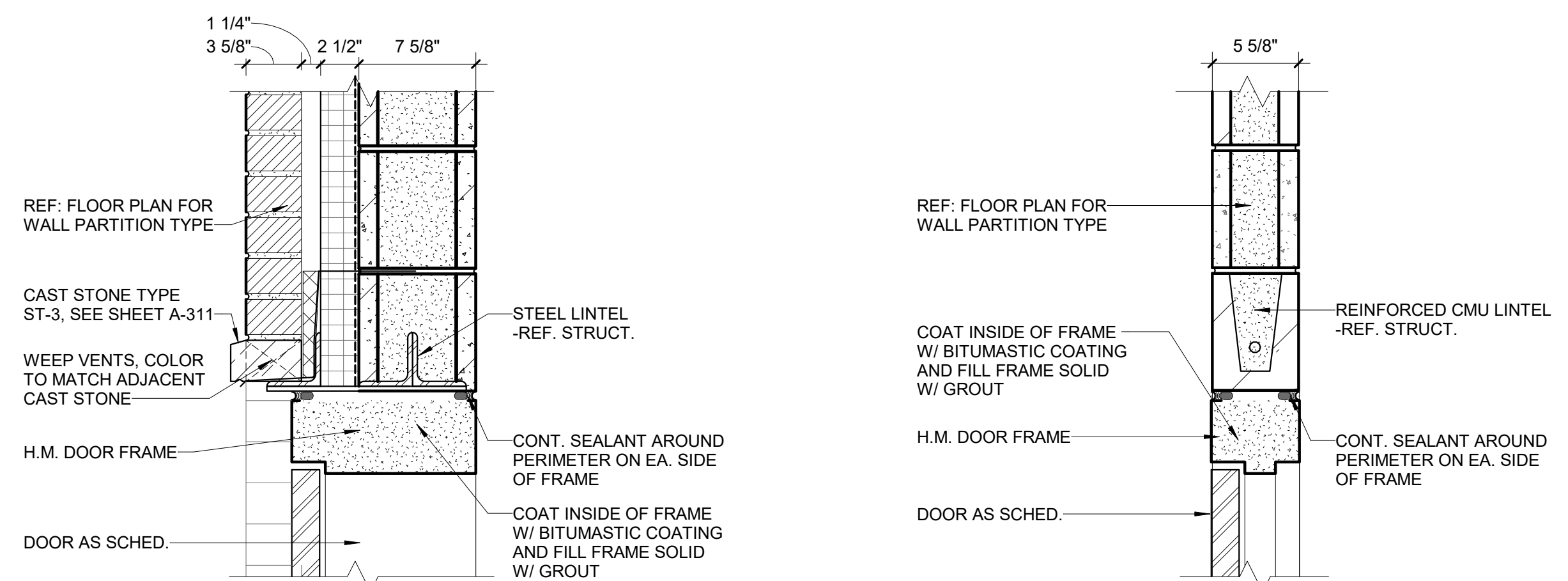
E1 DOOR PANEL TYPES

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



D1 DOOR FRAME TYPES

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



B1 EXT MASONRY DOOR HEAD

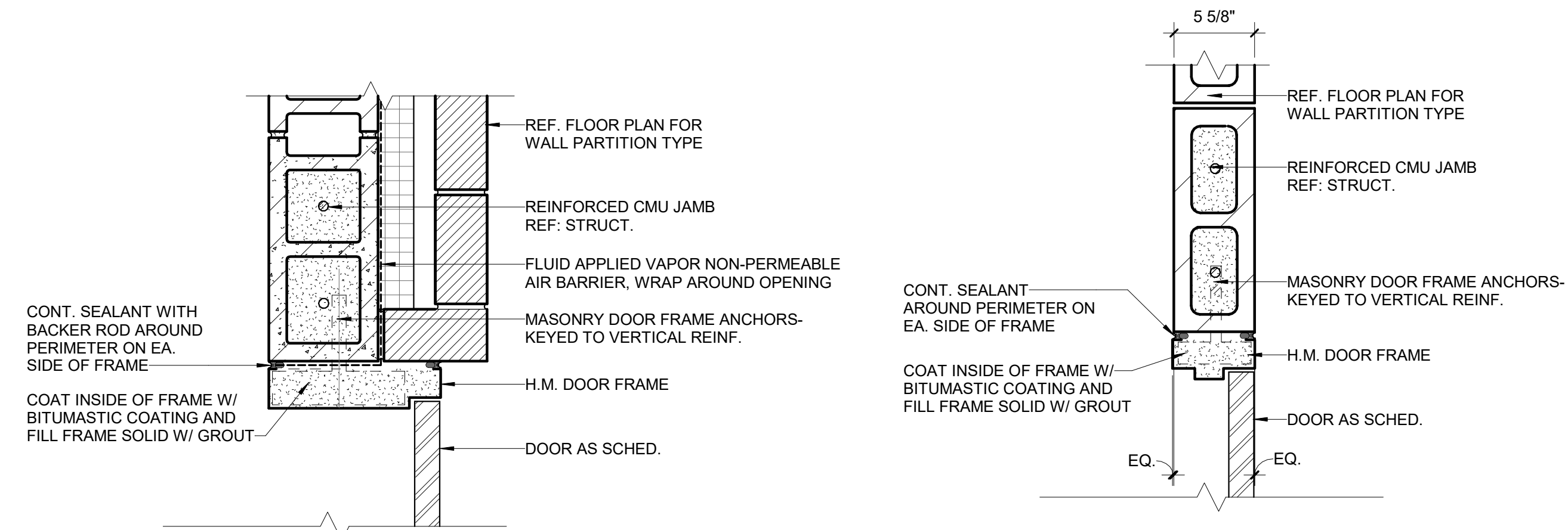
Scale: 1 1/2" = 1'-0"

B2 INT MASONRY DOOR HEAD

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

B3 EXT MASONRY DOOR HEAD W/ LOUVER

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



A1 EXT MASONRY DOOR JAMB

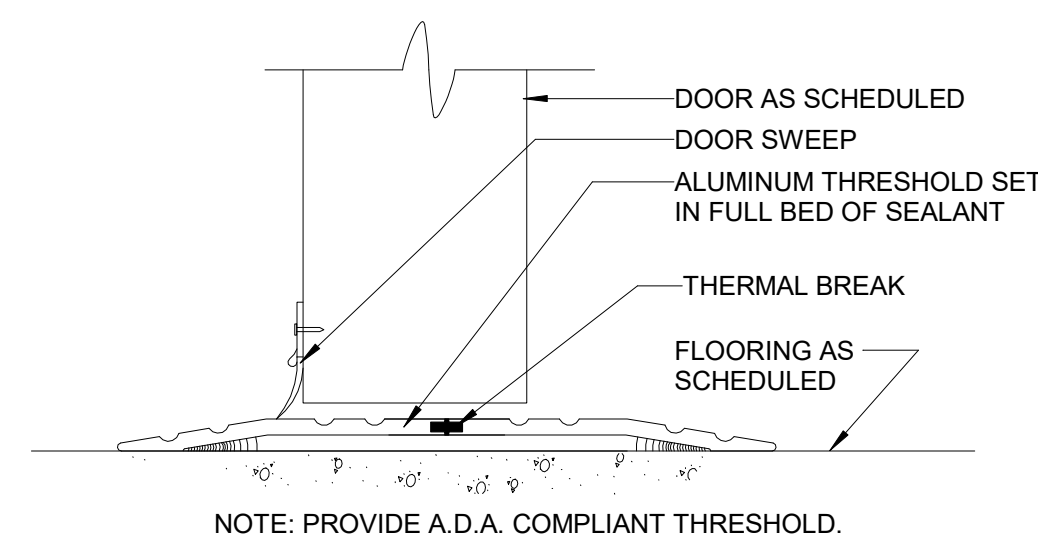
Scale: 1 1/2" = 1'-0"

A2 INT MASONRY DOOR JAMB

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

A3 EXT DOOR SILL

Scale: N.T.S.



PLUMBING FLOOR DRAIN ELEVATION NOTES

EACH FLOOR DRAIN SHOWN IN THE PLUMBING DRAWINGS TO BE AT THE FOLLOWING ELEVATION.

- SHELTER**
1. RESTROOM 101 (-1/2')
 2. RESTROOM 102 (-1/2')
 3. CHASE BETWEEN 102/103 (-7/16')
 4. WOMEN'S 103 (-1/2')
 5. MEN'S 104 (-1/2')
 6. JANITOR 105 (-7/16')
 7. STORAGE 106 (-7/16')
- TOILET**
1. RESTROOM 110 (-1/2')
 2. RESTROOM 111 (-1/2')

GENERAL PLUMBING NEW WORK SHEET NOTES

- THE SPACES WILL NOT BE HEATED DURING COLD WINTER MONTHS. PITCH WATER PIPE TO DRAIN TO DRAIN DOWN VALVES; ADD ADDITIONAL VALVES AS NECESSARY.
- THE SANITARY PIPE FOR ALL PLUMBING FIXTURES SHALL DROP TO A MINIMUM OF 4-FT BELOW GRADE IN ALL INSTANCES.
- THE FLOOR DRAINS P-TRAP SHALL DROP TO A MINIMUM OF 4-FT BELOW GRADE IN ALL INSTANCES.
- THE MOP BASIN P-TRAP SHALL DROP TO A MINIMUM OF 4-FT BELOW GRADE.
- THE INCOMING WATER SERVICE PIPING SHALL BE A MINIMUM OF 4-FT BELOW GRADE.

KEYED PLUMBING NEW WORK SHEET NOTES

- ROUTE FROM METER AND RPZ BACKFLOW PREVENTER (RPZ-1) UNDER PLASTIC ROCK (SIMILAR TO EXISTING); CONFIGURE AND INSTALL TO BE FULLY WINTERIZED. BACKFLOW FURNISHED AND INSTALLED BY PC (COORDINATE WITH SC); METER FURNISHED BY VILLAGE WATER DEPT. AND INSTALLED BY PC (COORDINATE WITH VILLAGE WATER DEPT.)
- 2" INCOMING WATER SERVICE PIPE BY SC; TRANSITION TO PC AT 1-FT ABOVE FLOOR. CONTRACTOR TO INSTALL PIPING TO NOT BE A TRIPPING HAZARD.
- STACKED METER AND RPZ BACKFLOW PREVENTER INDOORS; CONFIGURE AND INSTALL TO BE FULLY WINTERIZED.



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SHEET TITLE

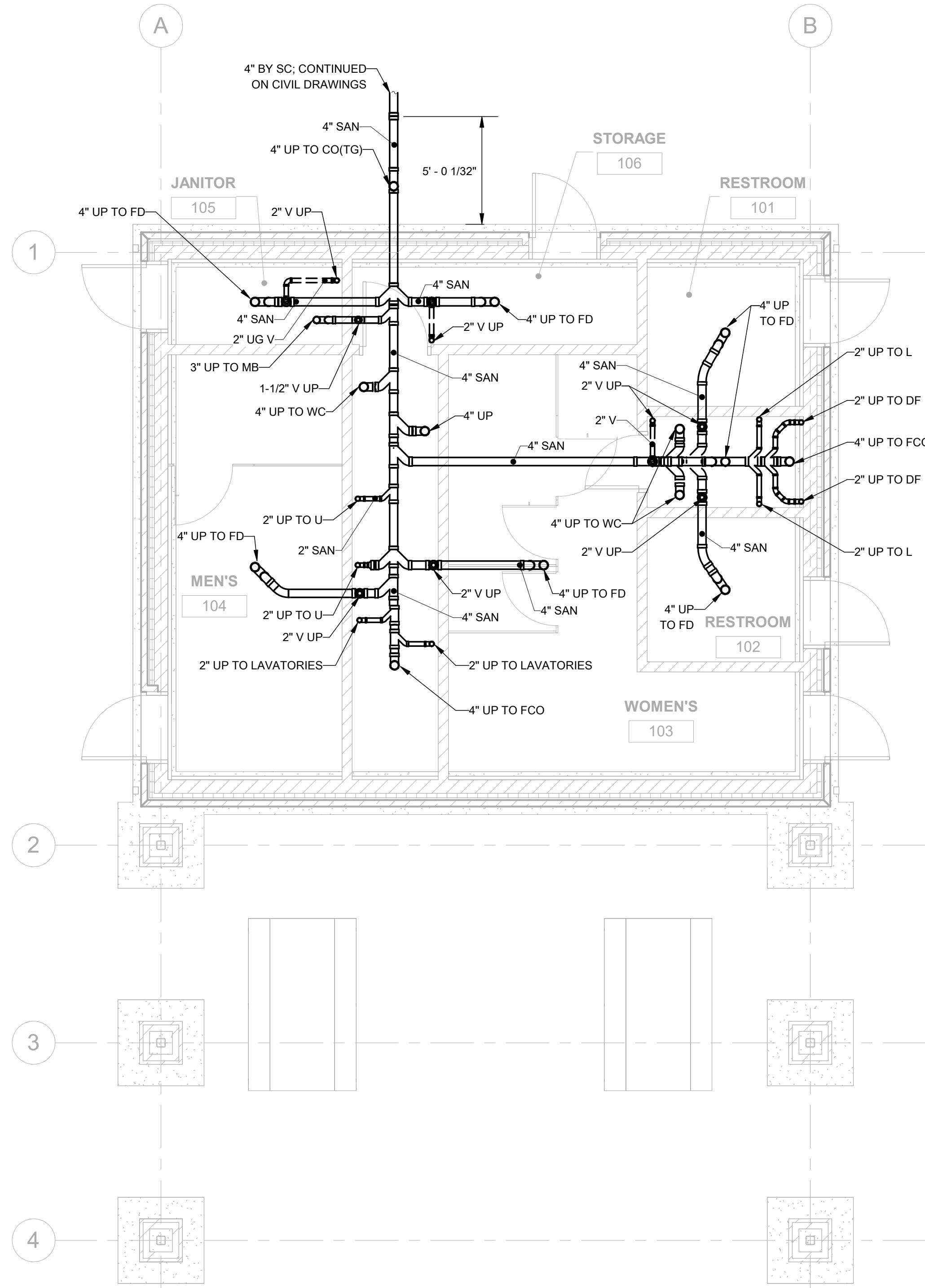
PLUMBING NEW WORK PLAN - UNDERGROUND

SCALE

SHEET NUMBER

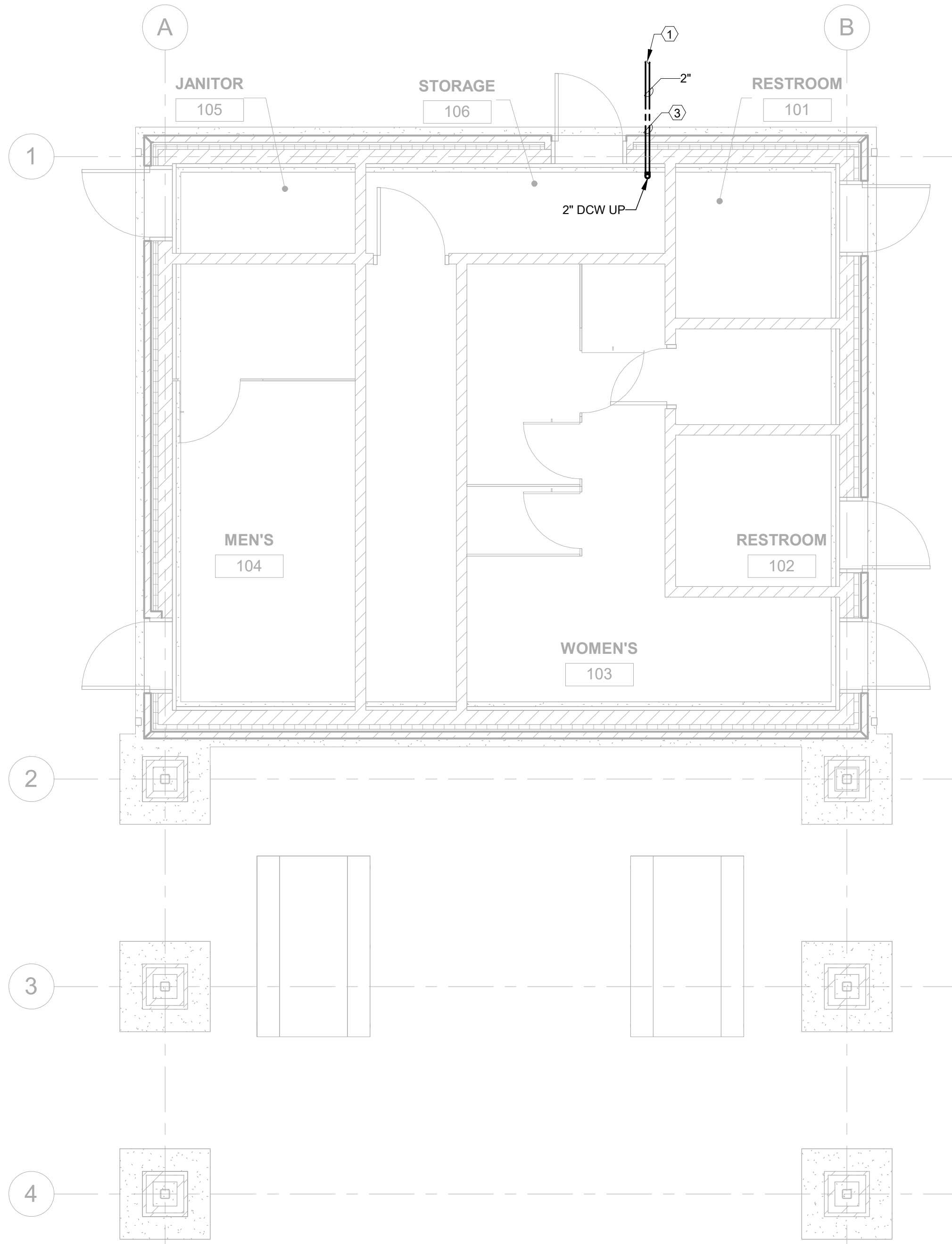
P-100

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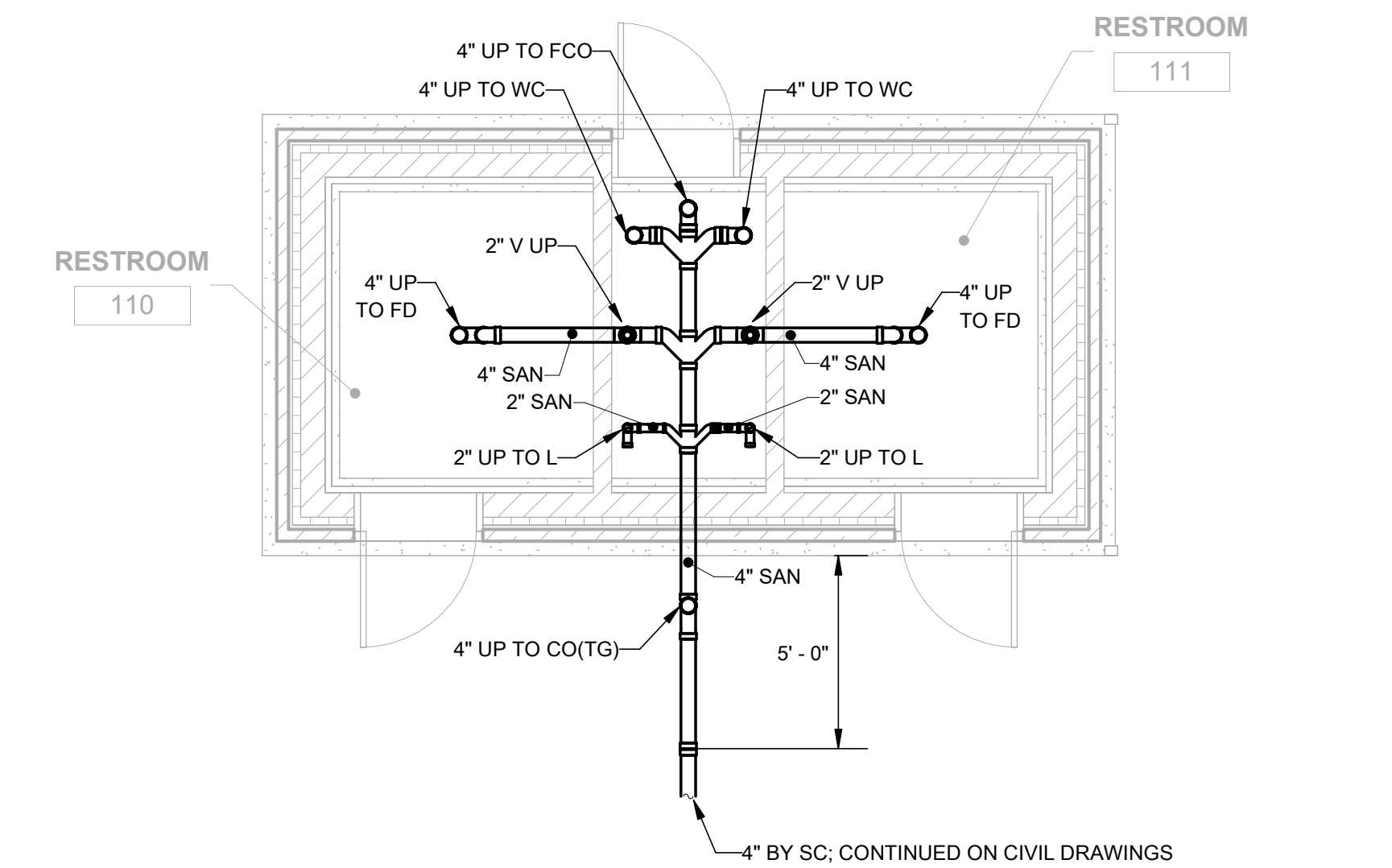
PLUMBING WASTE/VENT NEW WORK PLAN - SHELTER - UNDERGROUND

A1 SCALE: 1/4" = 1'-0"



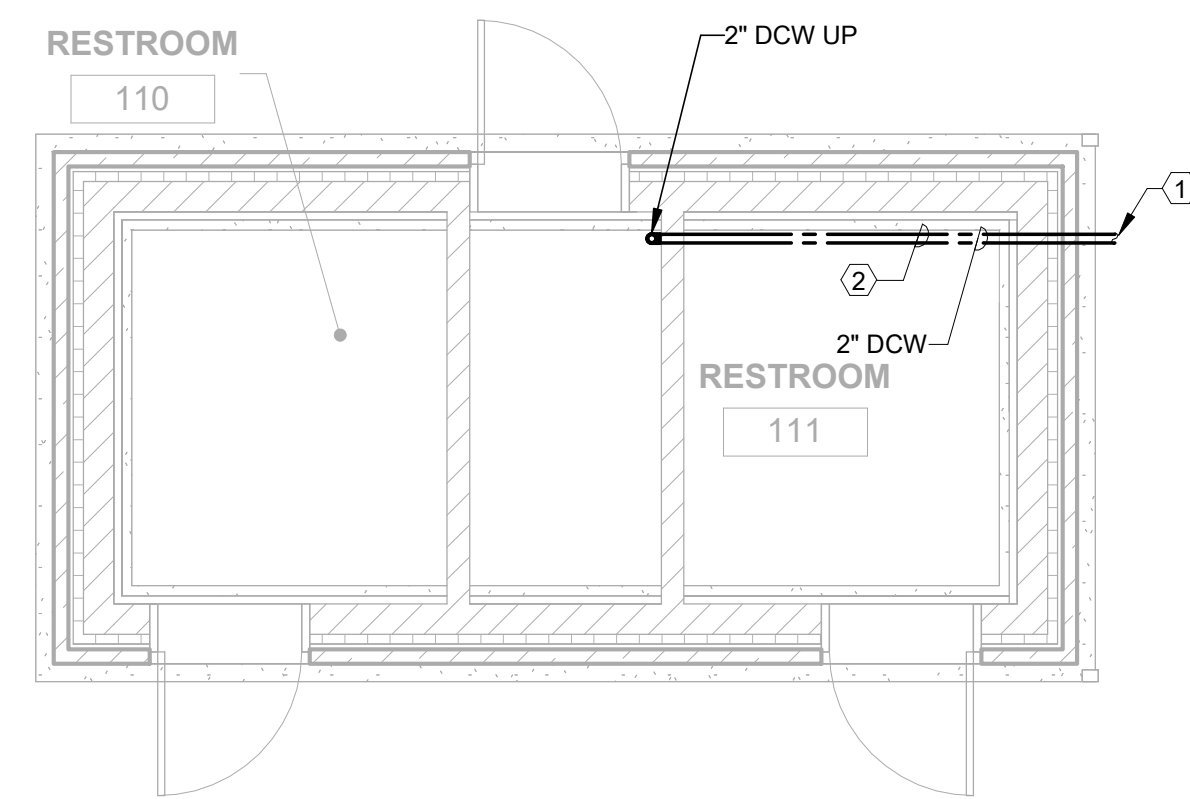
PLUMBING DOMESTIC WATER NEW WORK PLAN - SHELTER - UNDERGROUND

A2 SCALE: 1/4" = 1'-0"



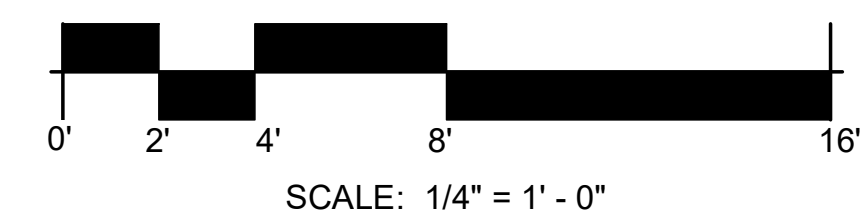
PLUMBING WASTE/VENT NEW WORK PLAN - TOILET - UNDERGROUND

D1 SCALE: 1/4" = 1'-0"



PLUMBING DOMESTIC WATER NEW WORK PLAN - TOILET - UNDERGROUND

D2 SCALE: 1/4" = 1'-0"





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PLUMBING NEW WORK PLAN - FIRST FLOOR

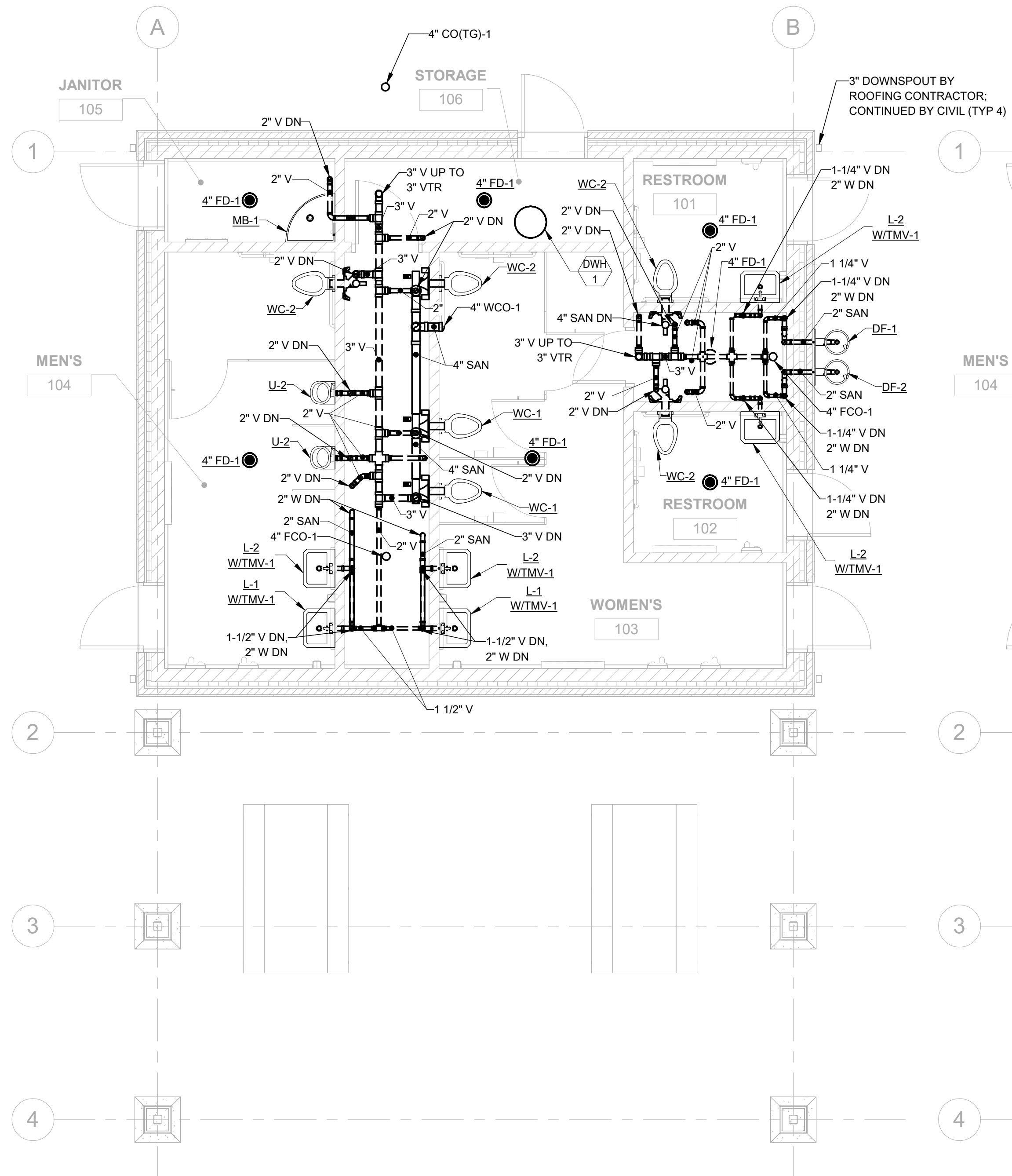
SCALE

SHEET NUMBER

P-101

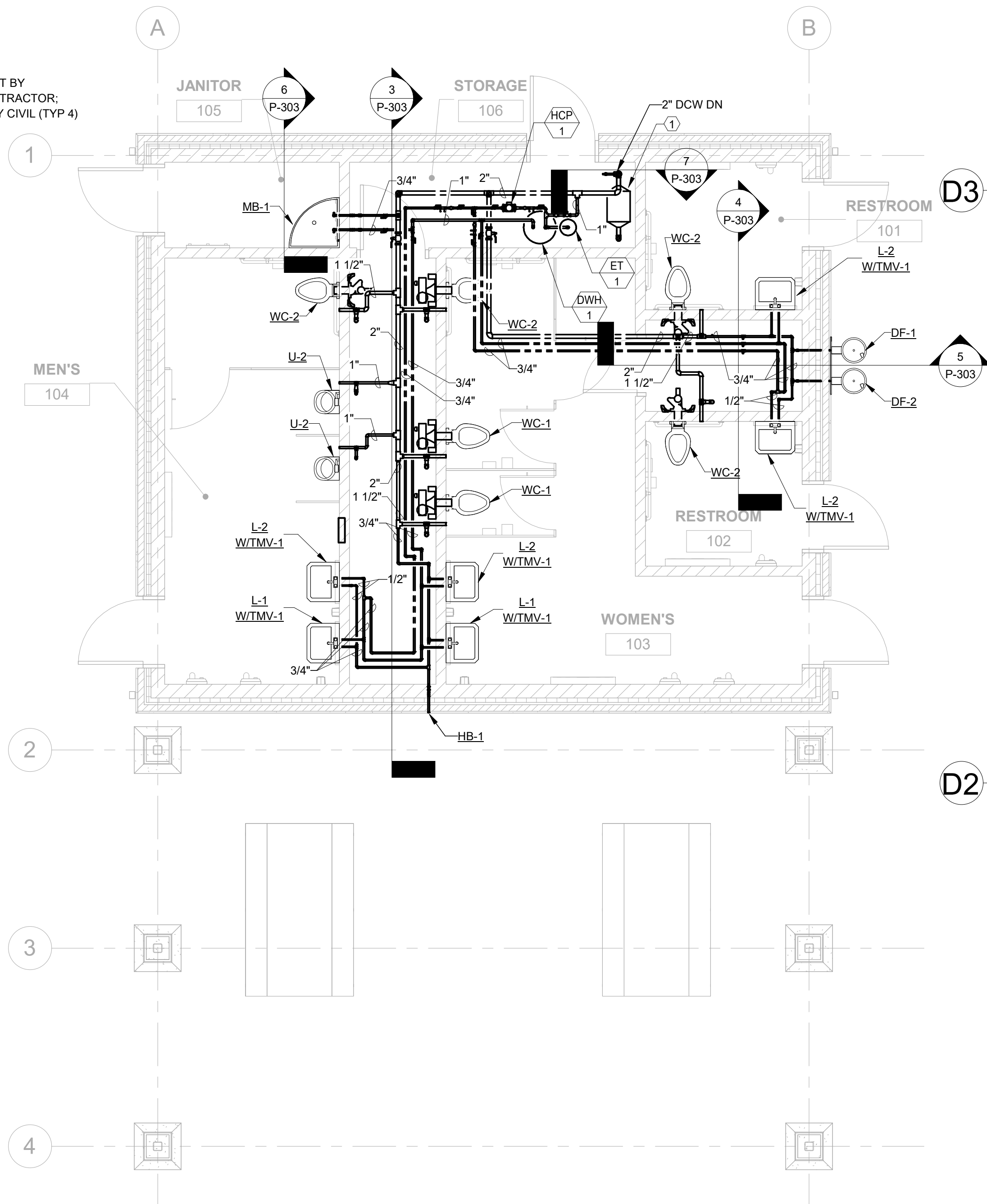
KEYED PLUMBING NEW WORK SHEET NOTES

1. STACKED METER AND RPZ BACKFLOW PREVENTER (RPZ-1) INDOORS. CONFIGURE AND INSTALL TO BE FULLY WINTERIZED. BACKFLOW FURNISHED AND INSTALLED BY PC. METER FURNISHED BY VILLAGE WATER DEPT. AND INSTALLED BY PC (COORDINATE WITH VILLAGE WATER DEPT.)



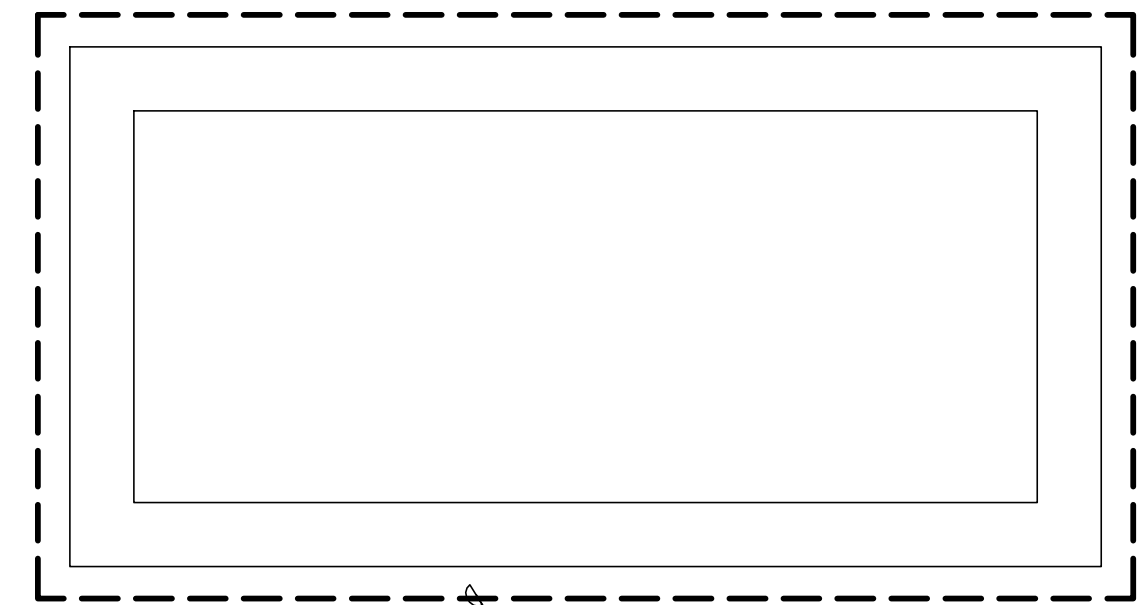
PLUMBING WASTE/VENT NEW WORK PLAN - SHELTER

A2 SCALE: 1/4" = 1'-0"



PLUMBING DOMESTIC WATER NEW WORK PLAN - SHELTER

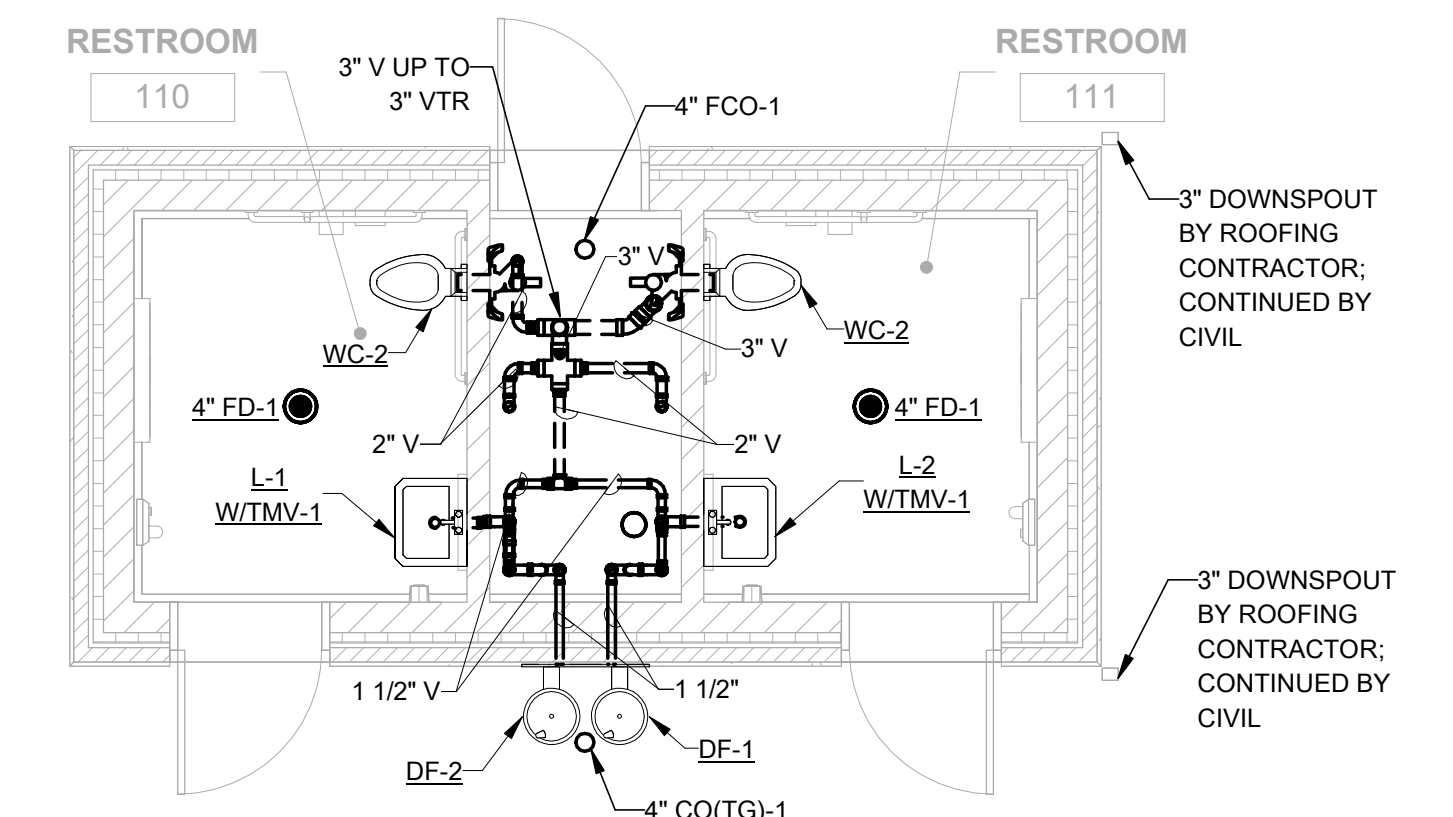
A1 SCALE: 1/4" = 1'-0"



DEMOLISH EXISTING TOILET ROOM SANITARY, WASTE, VENT, AND WATER PIPING; PREPARE FOR NEW CONSTRUCTION.

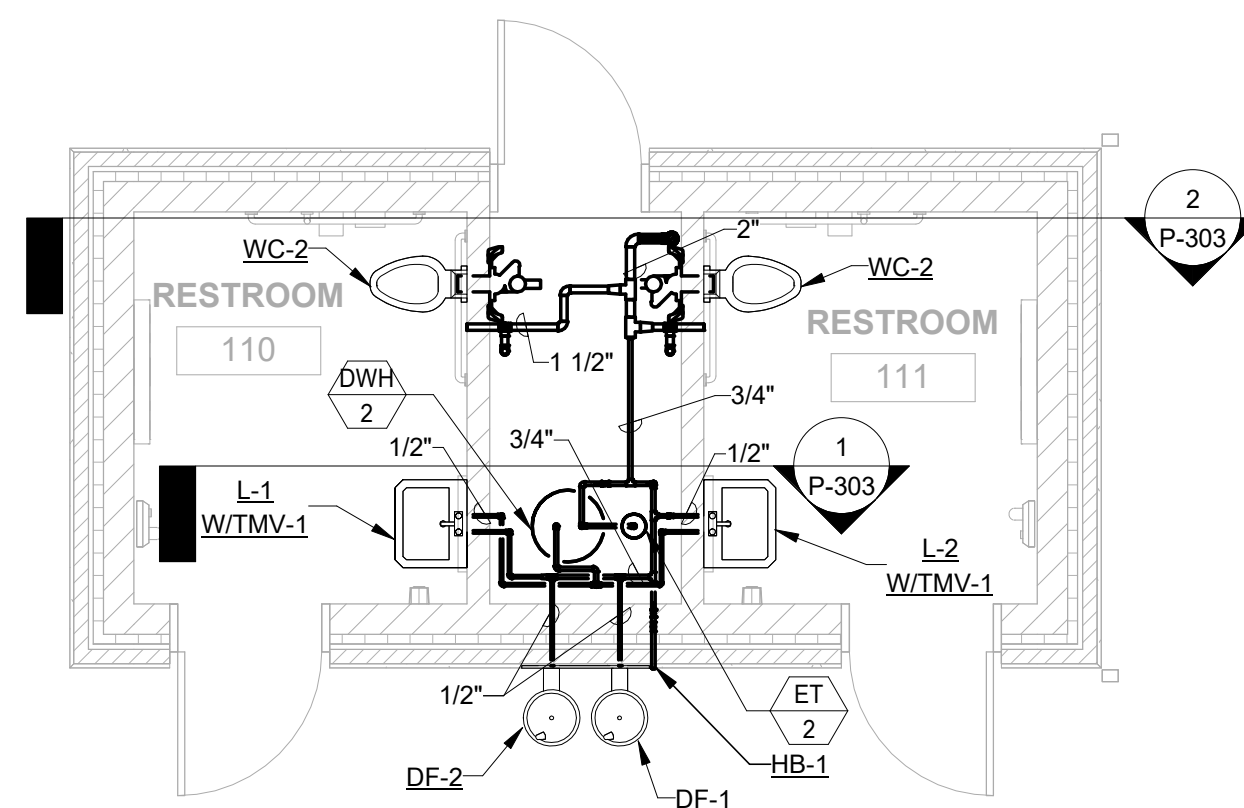
PLUMBING DEMOLITION PLAN - TOILET

D3 SCALE: 1/4" = 1'-0"



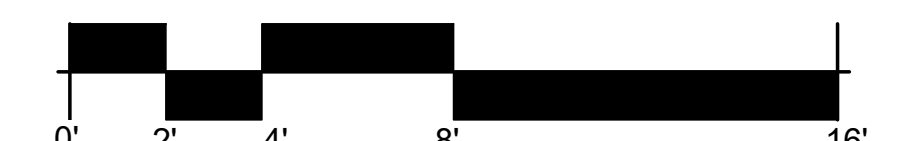
PLUMBING WASTE/VENT NEW WORK PLAN - TOILET

D2 SCALE: 1/4" = 1'-0"

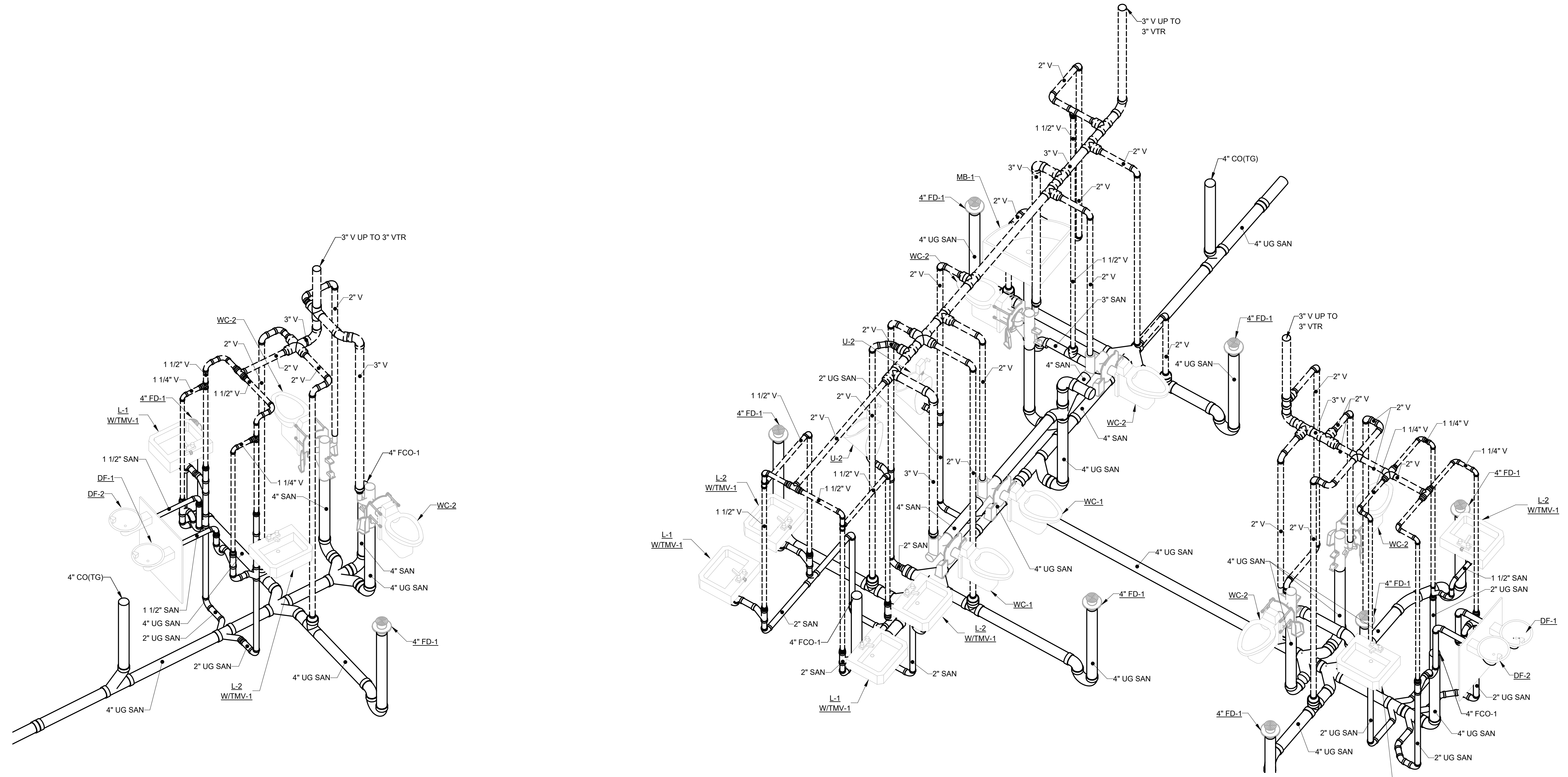


PLUMBING DOMESTIC WATER NEW WORK PLAN - TOILET

D1 SCALE: 1/4" = 1'-0"



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



1 PLUMBING WASTE/VENT NEW WORK ISOMETRIC - TOILET
SCALE: NOT TO SCALE

2 PLUMBING WASTE/VENT NEW WORK ISOMETRIC - SHELTER
SCALE: NOT TO SCALE

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SHEET TITLE

**PLUMBING
SCHEMATICS**

SCALE

SHEET NUMBER

P-201



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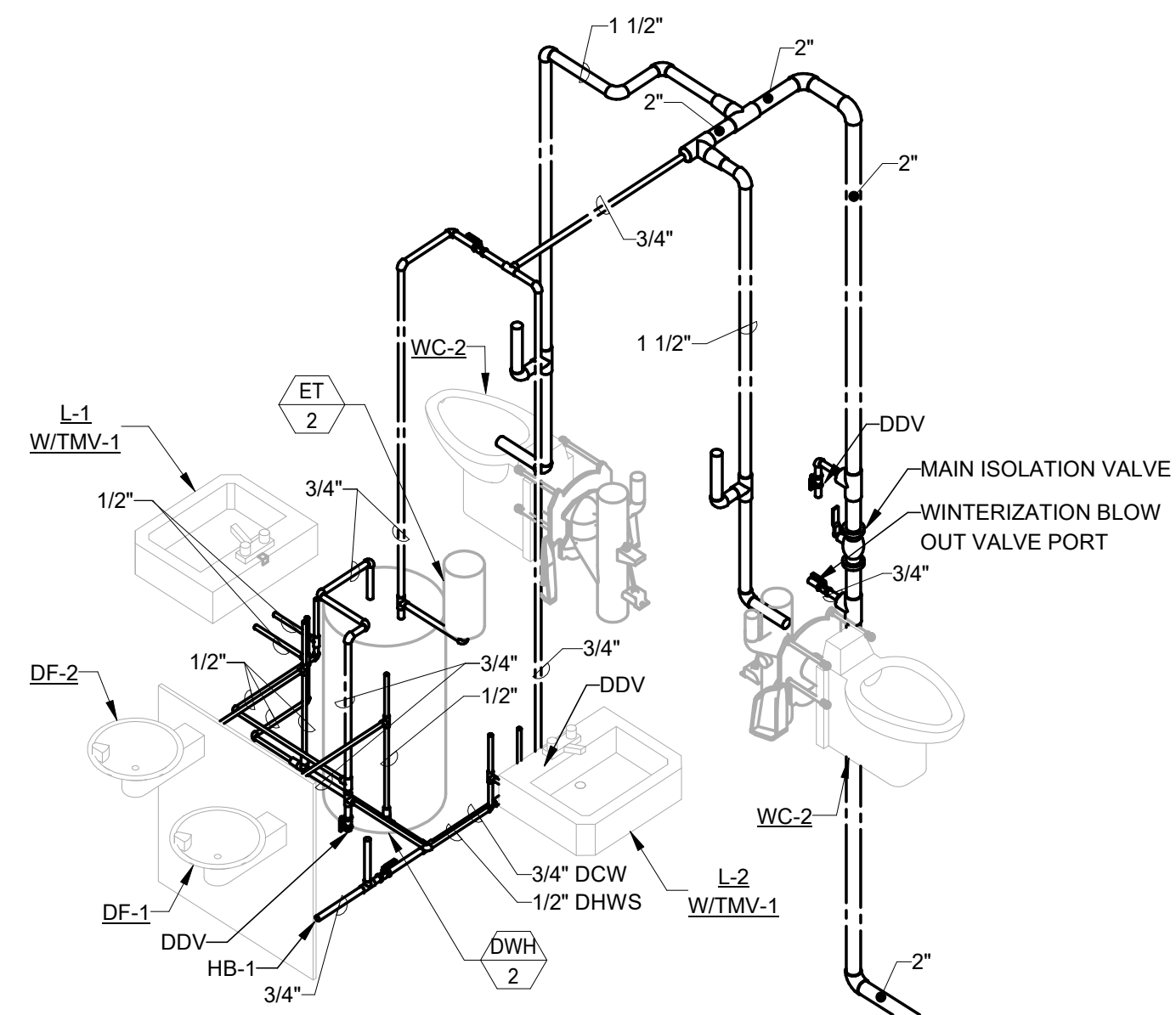
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**PLUMBING
SCHEMATICS**

SCALE

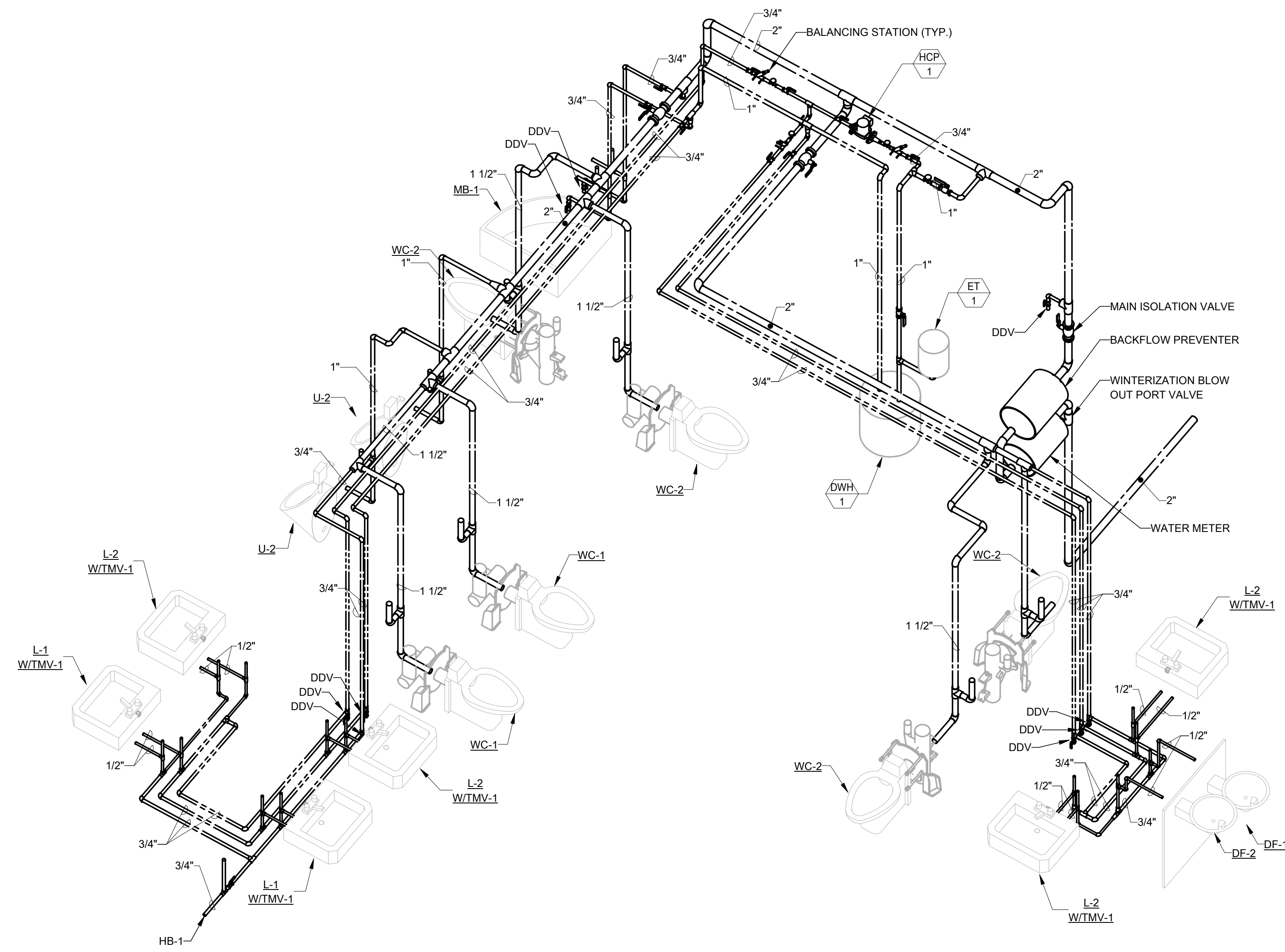
SHEET NUMBER

P-202



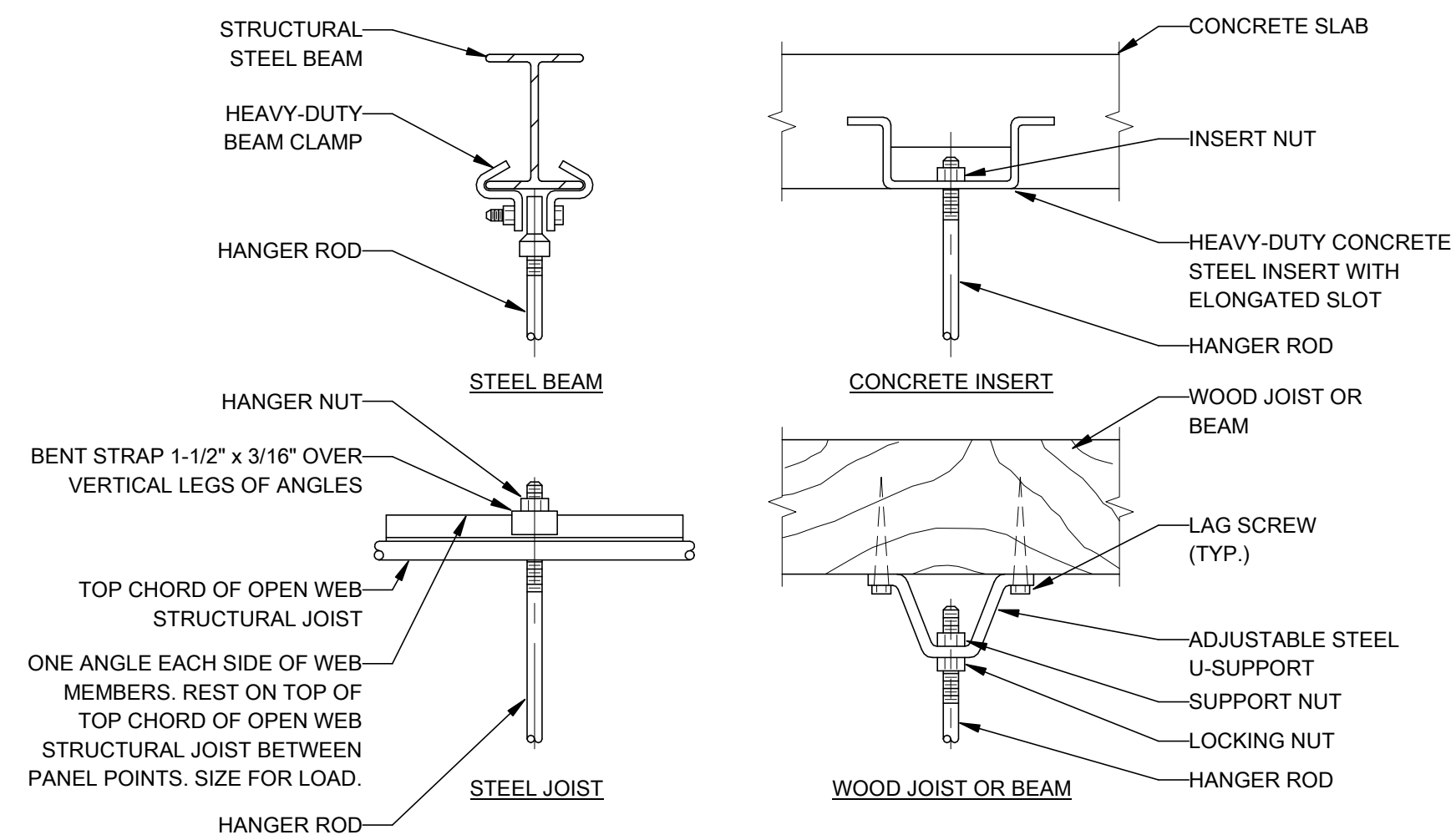
**PLUMBING DOMESTIC WATER NEW WORK ISOMETRIC -
TOILET**

1 SCALE: NOT TO SCALE



**PLUMBING DOMESTIC WATER NEW WORK ISOMETRIC -
SHELTER**

2 SCALE: NOT TO SCALE



PIPE HANGERS AND SUPPORTS (HORIZONTAL STEEL AND COPPER PIPING)		
NOMINAL PIPE SIZE	DISTANCE BETWEEN SUPPORTS	HANGER ROD DIAMETERS
1/2"	6'	3/8"
3/4" TO 1-1/2"	6'	1/2"
2" TO 2-1/2"	10'	1/2"
3" AND 4"	12'	5/8"
6" TO 12"	14'	7/8"

NOTES:

PLACE HANGER WITHIN 1 FOOT OF EACH HORIZONTAL ELBOW. SUPPORT HORIZONTAL SOLID WASTE AND STORM PIPE NEAR EACH HUB, WITH 5 FEET MAXIMUM SPACING BETWEEN HANGERS.

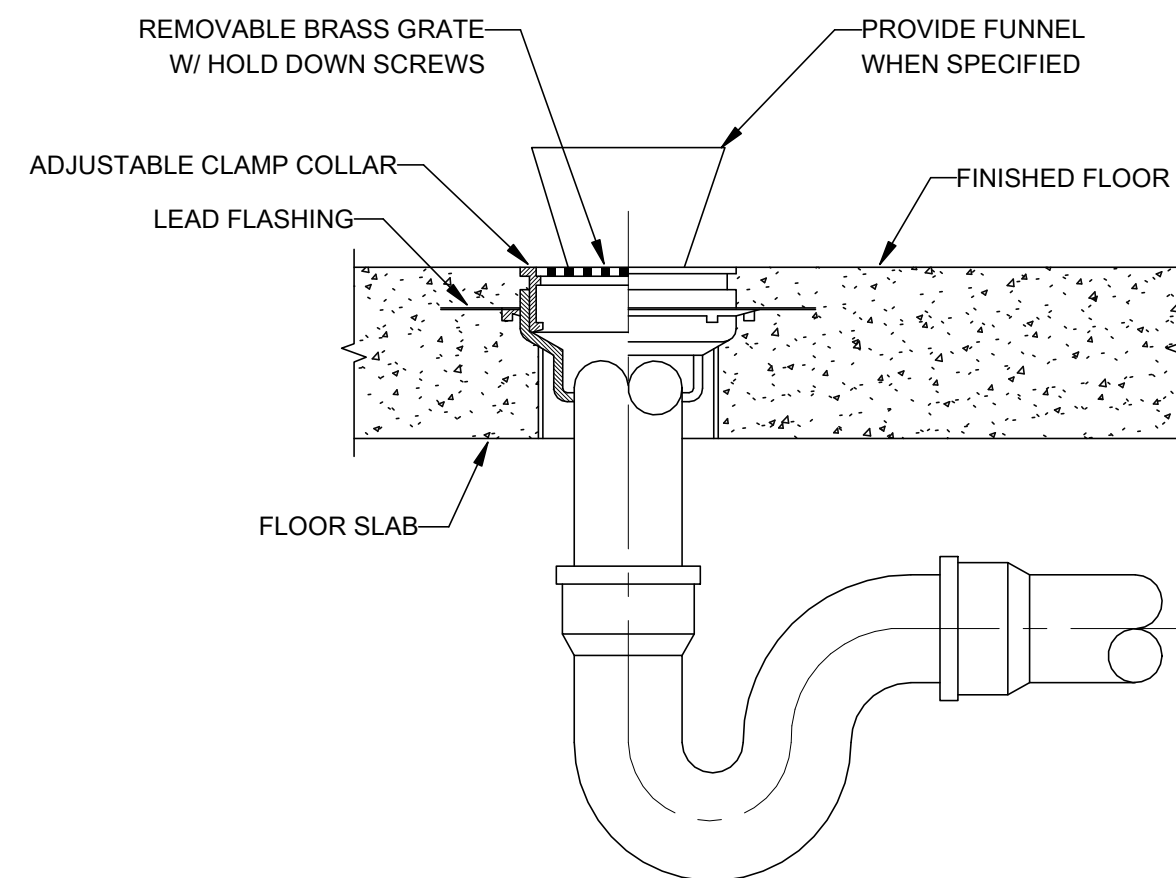
VERTICAL PIPING:

- SUPPORT VERTICAL WATER PIPING AT EVERY FLOOR.
- SUPPORT VERTICAL SOIL PIPE AT EACH FLOOR AT HUB.

WHERE SEVERAL PIPES CAN BE INSTALLED IN PARALLEL AND AT SAME ELEVATION PROVIDE MULTIPLE OR TRAPEZE HANGERS. WHERE PRACTICAL, SUPPORT RISER PIPING INDEPENDENTLY OF CONNECTED HORIZONTAL PIPING.

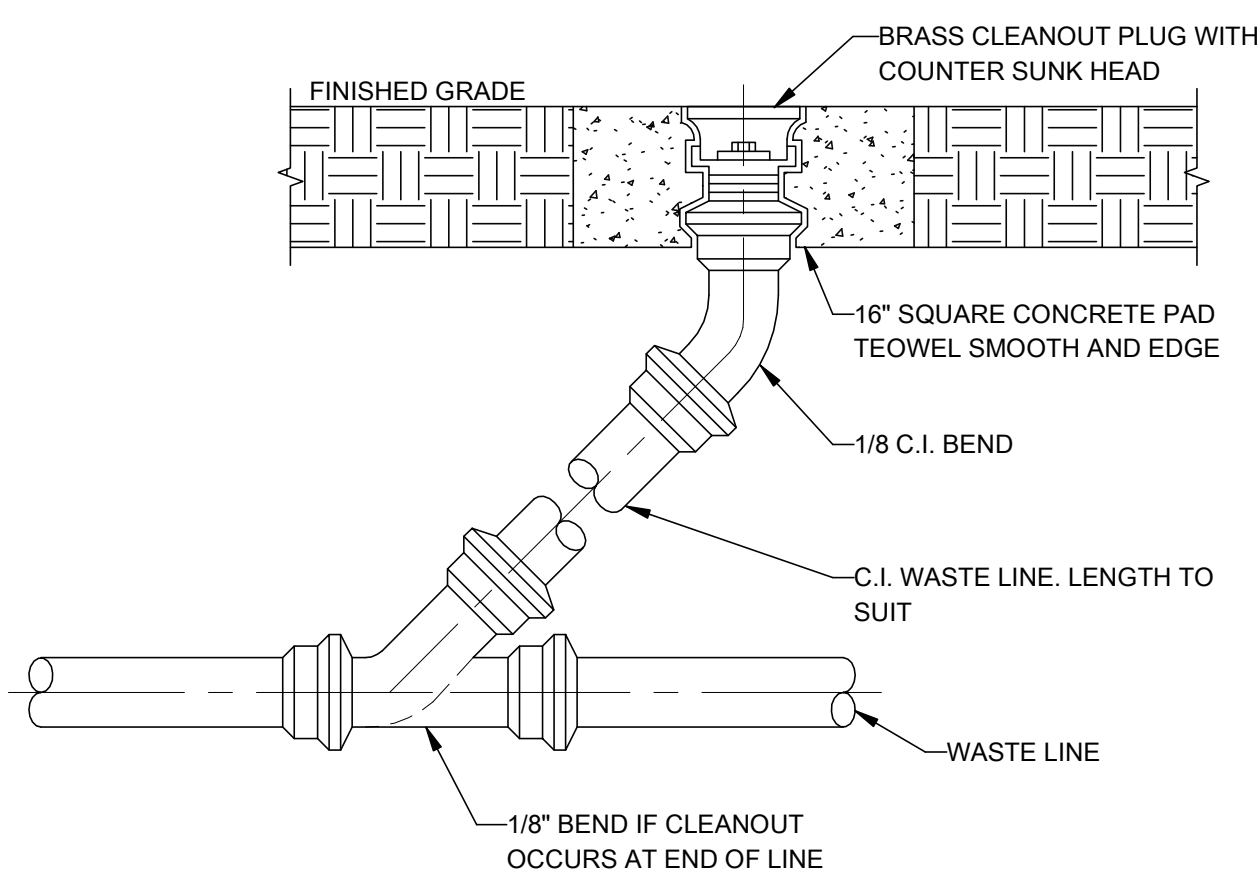
1 PIPE HANGER DETAIL

SCALE: NOT TO SCALE



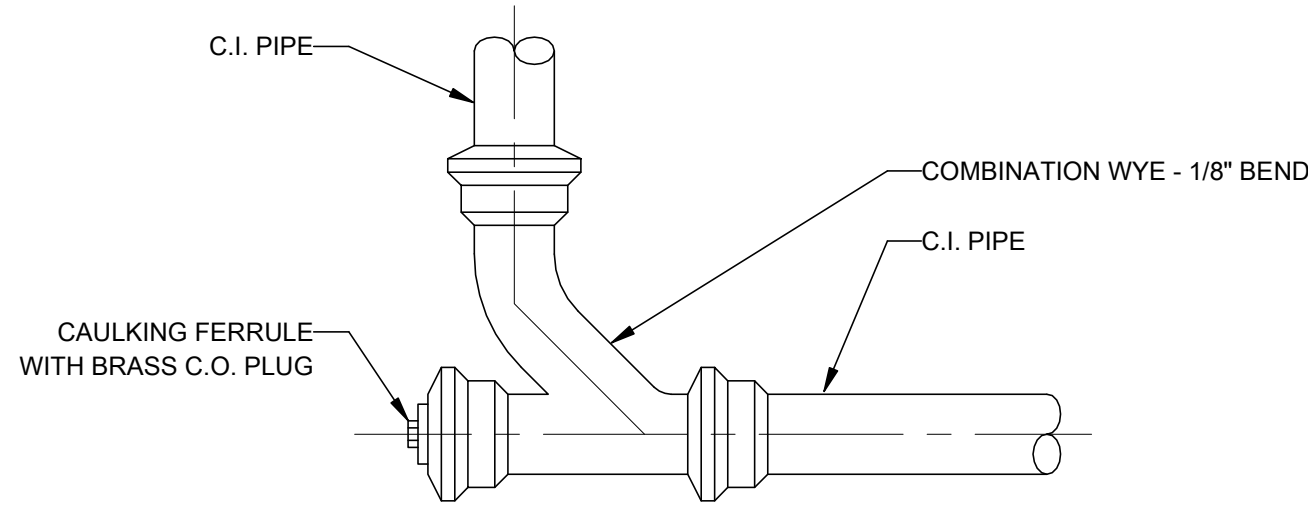
7 FLOOR DRAIN DETAIL

SCALE: NOT TO SCALE



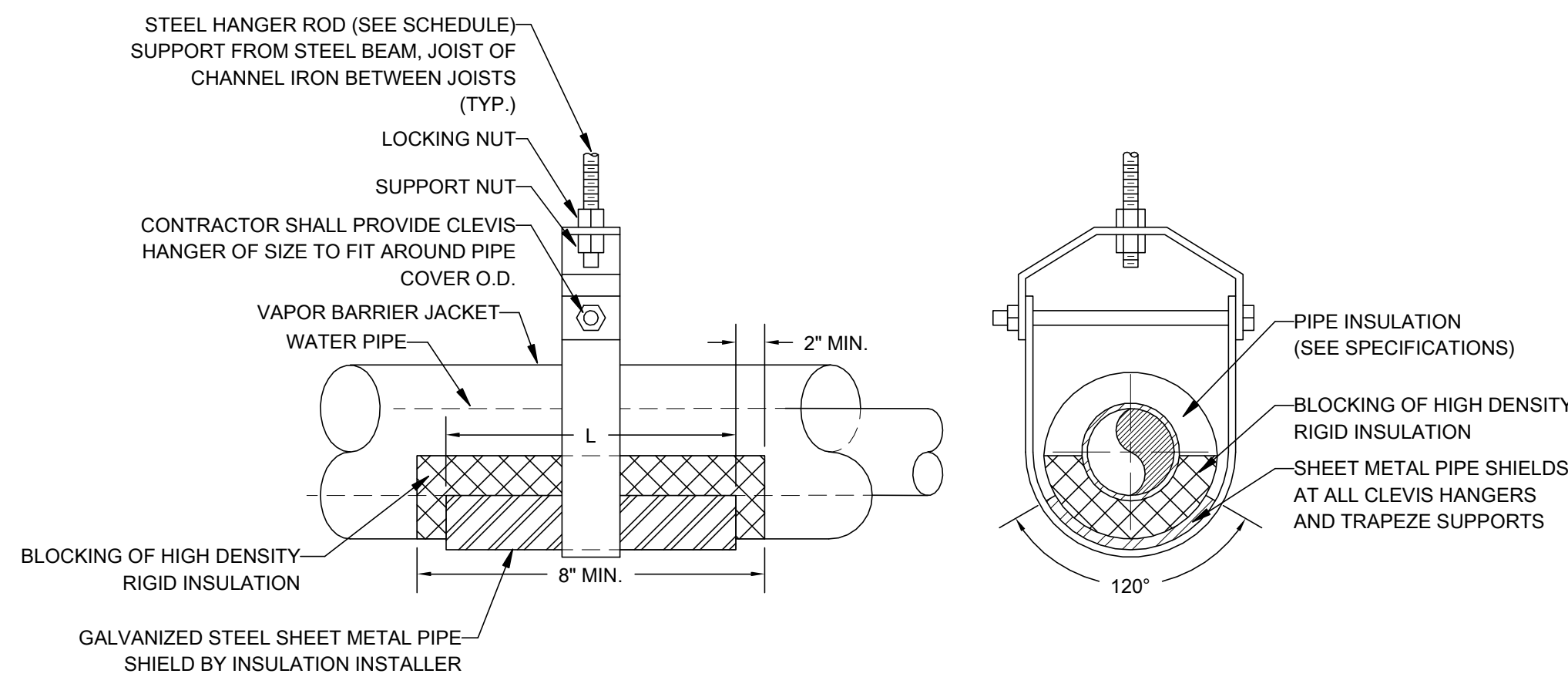
9 CLEANOUT TO GRADE DETAIL

SCALE: NOT TO SCALE

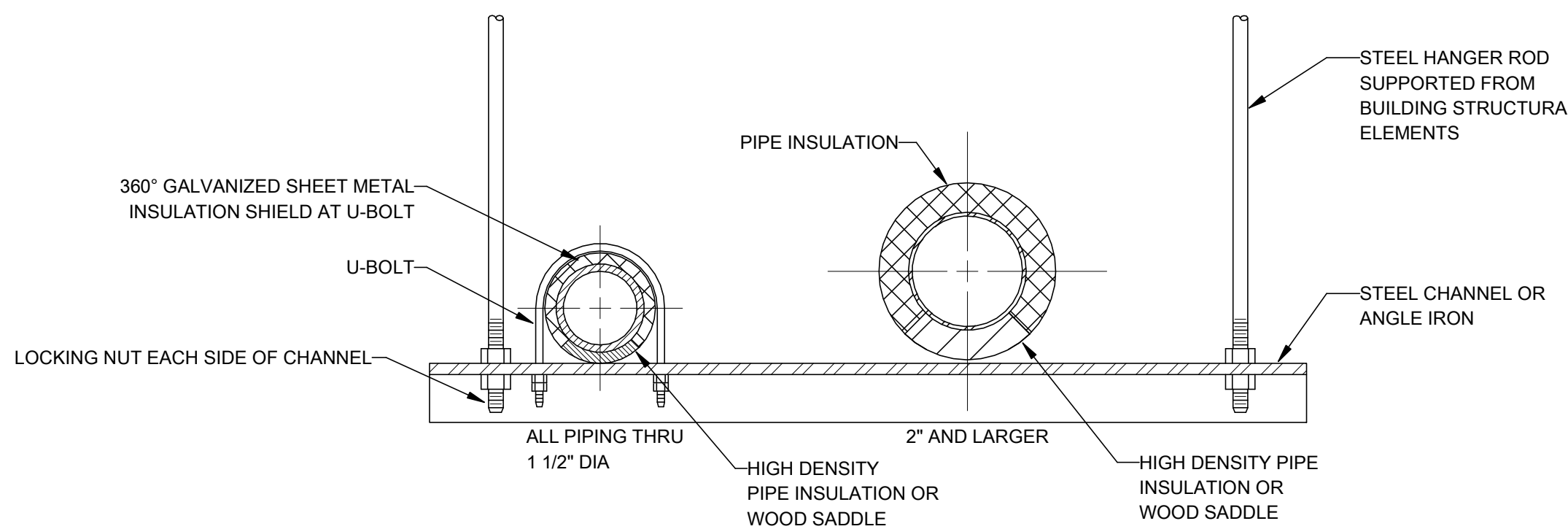


6 EXPOSED CLEANOUT DETAIL

SCALE: NOT TO SCALE



PIPE INSULATION SHIELD SCHEDULE		
PIPE SIZE	LENGTH	GAUGE
UP TO 3/4"	8"	20 GA.
1"-2"	12"	18 GA.
2 1/2"-4"	12"	16 GA.
5" & 6"	18"	16 GA.
8" & UP	24"	14 GA.



PIPE HANGERS AND SUPPORTS (HORIZONTAL STEEL AND COPPER PIPING)		
NOMINAL PIPE SIZE	DISTANCE BETWEEN SUPPORTS	HANGER ROD DIAMETERS
1/2"	6'	3/8"
3/4" TO 1-1/2"	6'	1/2"
2" TO 2-1/2"	10'	1/2"
3" AND 4"	12'	5/8"
6" TO 12"	14'	7/8"

NOTES:

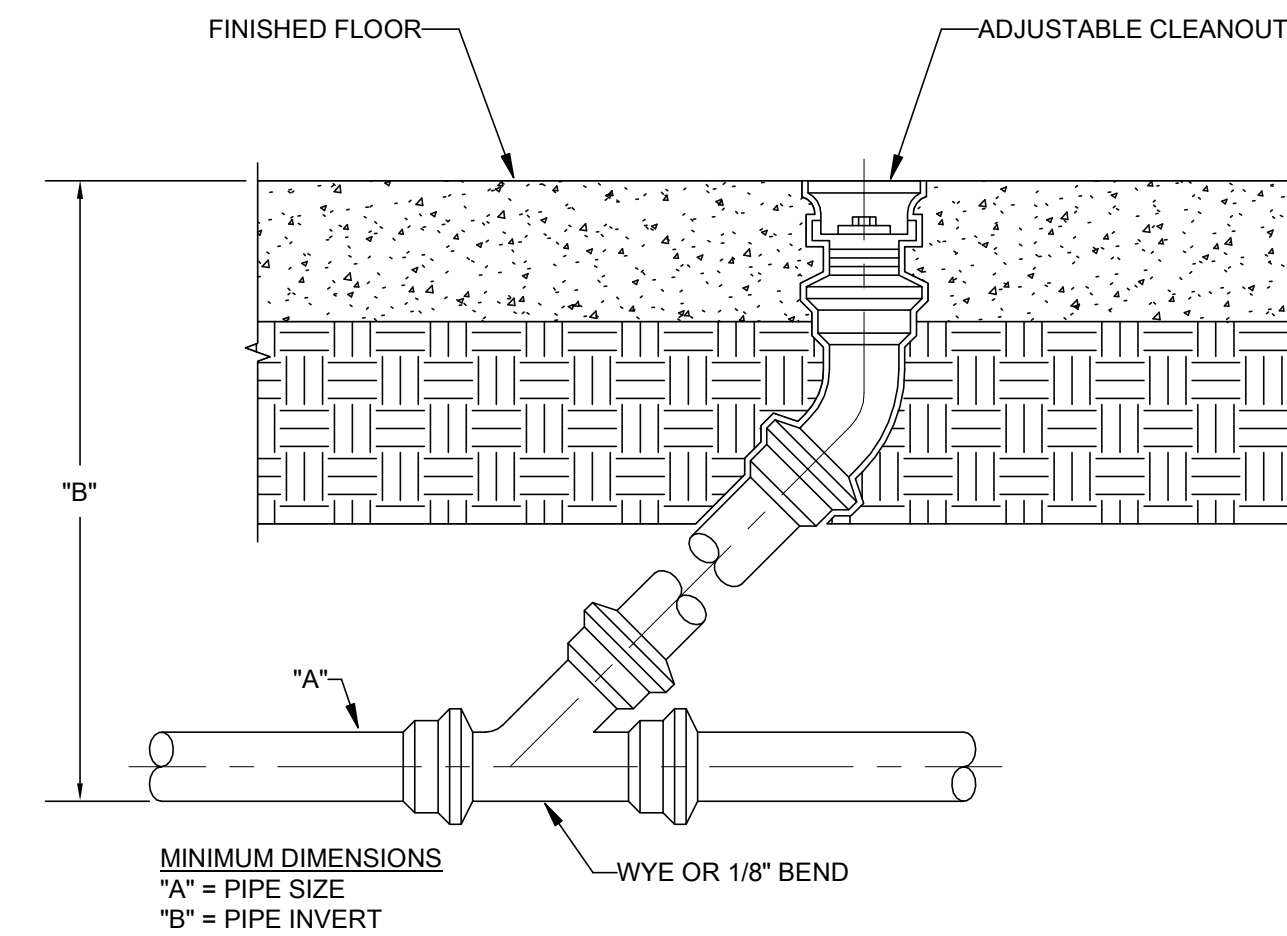
PLACE HANGER WITHIN 1 FOOT OF EACH HORIZONTAL ELBOW. SUPPORT HORIZONTAL SOLID WASTE AND STORM PIPE NEAR EACH HUB, WITH 5 FEET MAXIMUM SPACING BETWEEN HANGERS.

VERTICAL PIPING:

- SUPPORT VERTICAL WATER PIPING AT EVERY FLOOR.
- SUPPORT VERTICAL SOIL PIPE AT EACH FLOOR AT HUB.
- WHERE SEVERAL PIPES CAN BE INSTALLED IN PARALLEL AND AT SAME ELEVATION PROVIDE MULTIPLE OR TRAPEZE HANGERS.
- WHERE PRACTICAL, SUPPORT RISER PIPING INDEPENDENTLY OF CONNECTED HORIZONTAL PIPING.

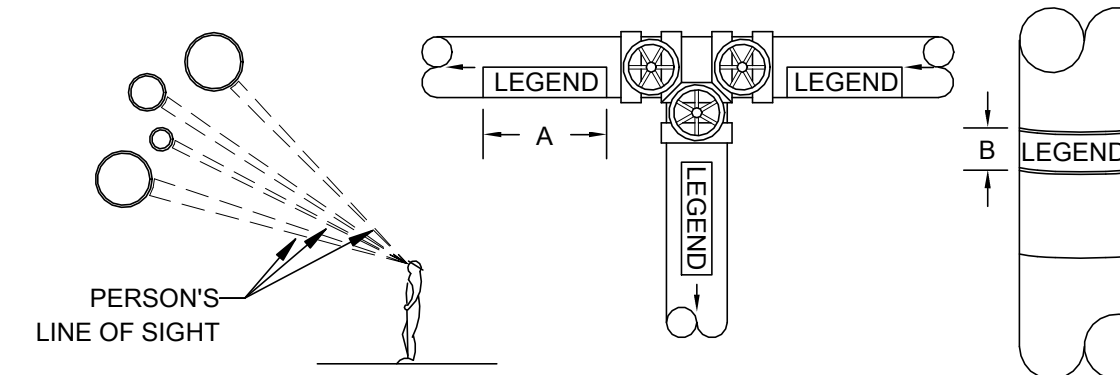
4 PIPE HANGER DETAIL (WATER AND WASTE)

SCALE: NOT TO SCALE



3 CLEANOUT TO FINISHED FLOOR DETAIL

SCALE: NOT TO SCALE



NOTES:

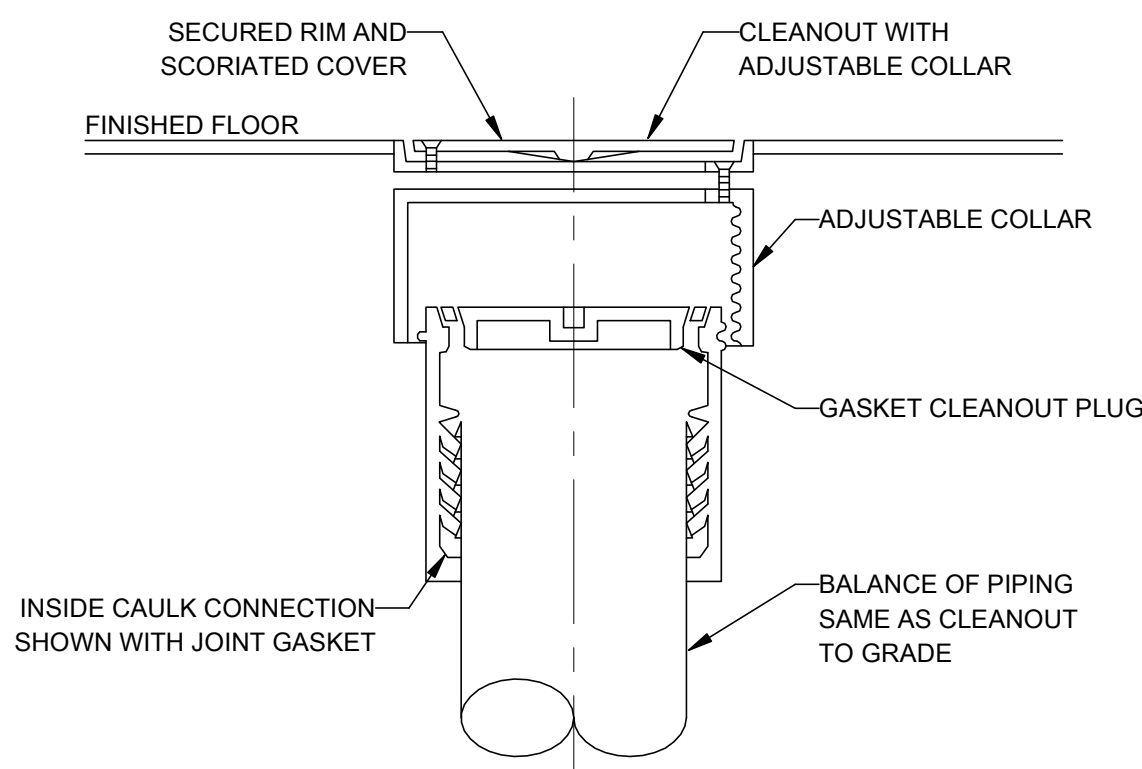
- IDENTIFICATION MARKERS ARE TO BE PLACED ON ALL COVERED AND UNCOVERED PIPES AT 50'-0" INTERVALS, ADJACENT TO ALL VALVES OR BRANCHES, AND LOCATED AT BOTH SIDES OF A WALL/FLOOR PENETRATION. ARROWS OF SAME COLOR SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING THE DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS		
OUTSIDE DIAMETER OF PIPE OF COVERING	LENGTH OF COLOR FIELD "A"	SIZE OF LETTERS "B"
3/4" TO 1-1/4"	8"	1/2"
1-1/2" TO 2"	8"	3/4"
2-1/2" TO 6"	12"	1-1/4"
8" TO 10"	24"	2-1/2"
OVER 10"	32"	3-1/2"

PLAN TAG	SERVICE	IDENTIFICATION MARKER
SAN	SANITARY	WHITE LETTERING ON GREEN BACKGROUND
V	VENT	WHITE LETTERING ON GREEN BACKGROUND
ST	STORM	WHITE LETTERING ON GREEN BACKGROUND
NP	NON-POTABLE COLD WATER	BLACK LETTERING ON YELLOW BACKGROUND
???	RAINWATER HARVESTED WATER	WHITE LETTERING ON PURPLE BACKGROUND
CW	DOMESTIC COLD WATER	WHITE LETTERING ON GREEN BACKGROUND
HW	DOMESTIC HOT WATER	BLACK LETTERING ON YELLOW BACKGROUND
HWR	DOMESTIC HOT WATER RETURN	BLACK LETTERING ON YELLOW BACKGROUND

2 PIPE IDENTIFICATION DETAIL

SCALE: NOT TO SCALE



8 FLOOR CLEANOUT DETAIL

SCALE: NOT TO SCALE



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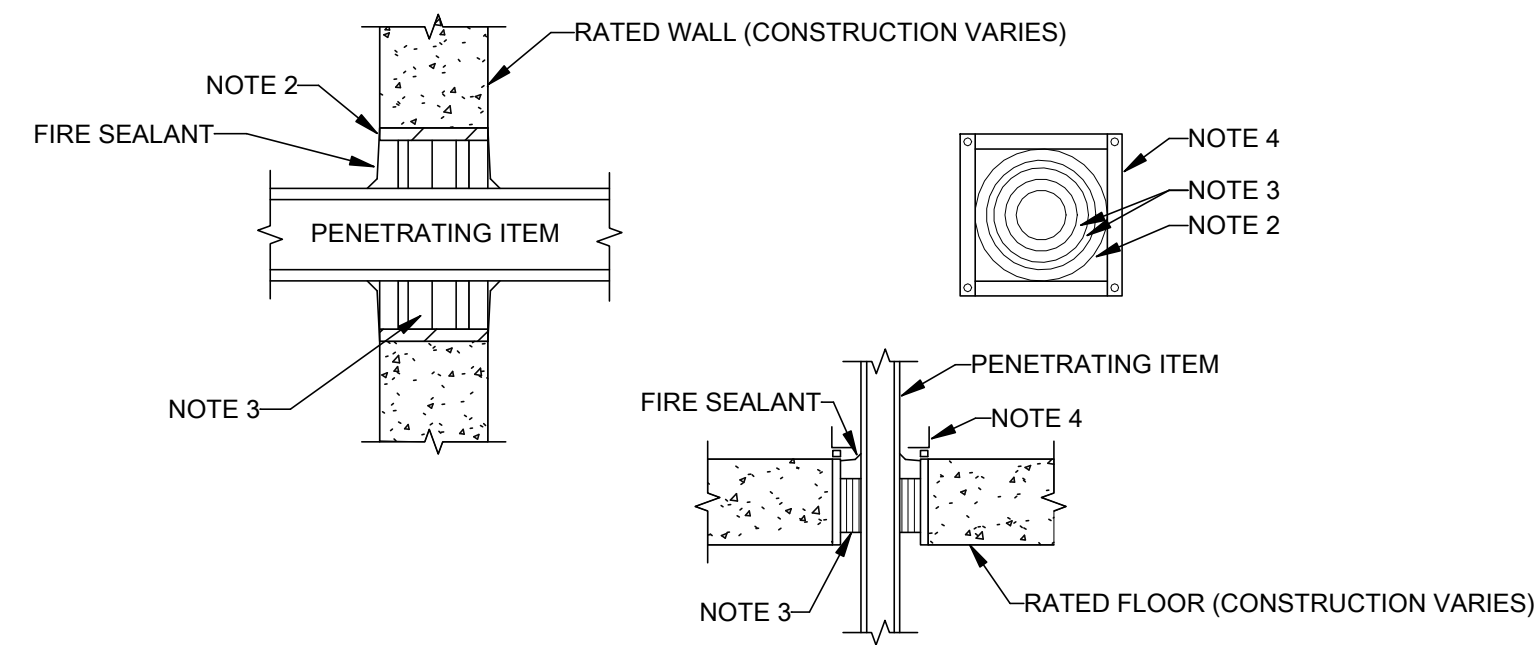
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SHEET TITLE
PLUMBING DETAILS

SCALE

SHEET NUMBER

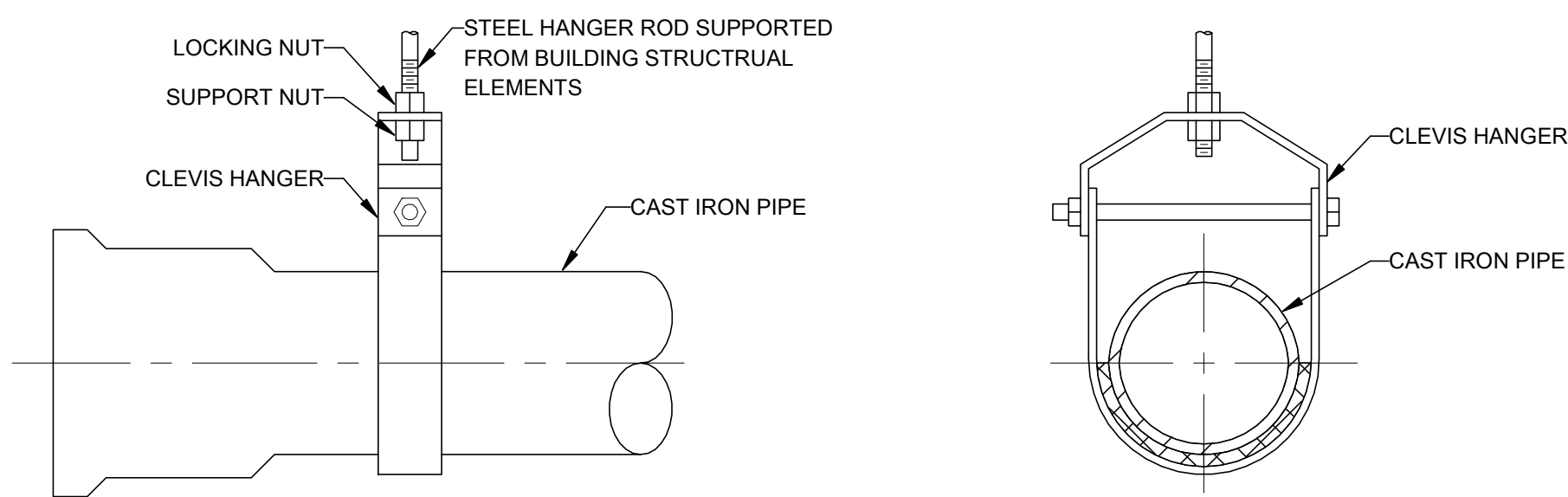
P-301



NOTES:

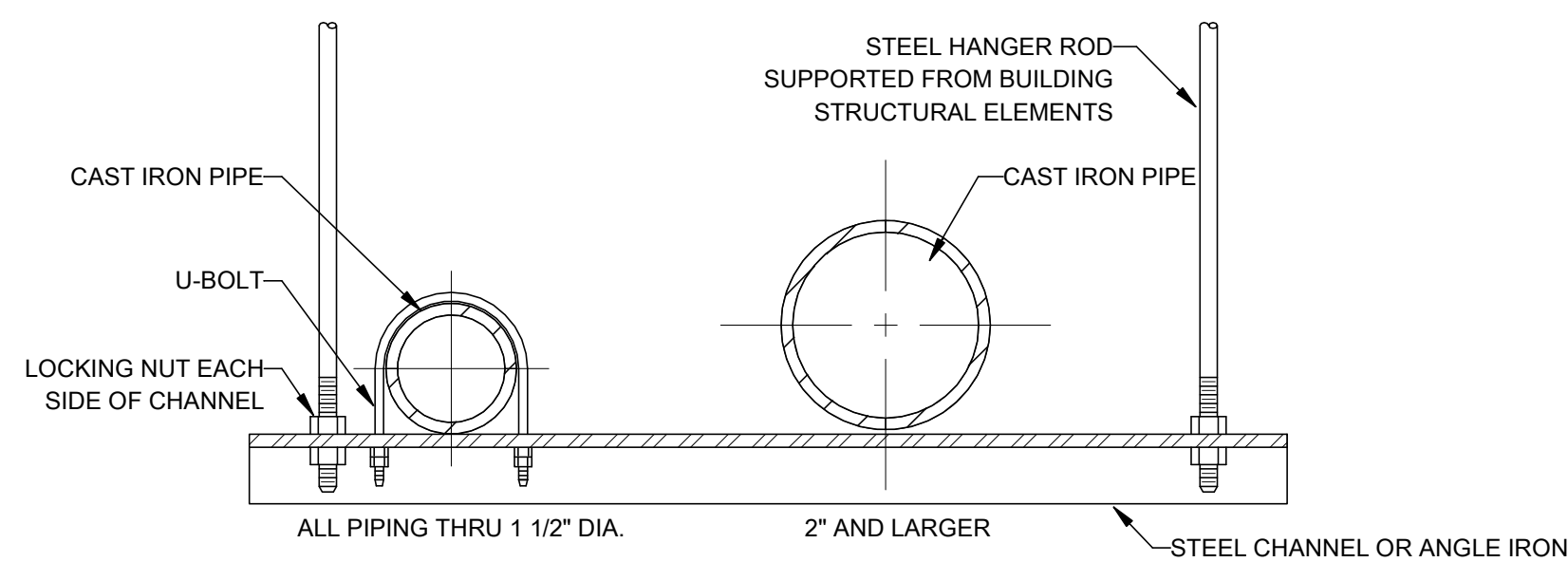
- THIS DETAIL APPLIES TO ALL ITEMS PENETRATING WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATING AND TO ALLOW LONGITUDINAL MOVEMENT.
- SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL. EACH CONTRACTOR FURNISHES SLEEVE. COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. THE GENERAL CONTRACTOR (GC) SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRESTOP SYSTEM.
- INSTALL BACKING MATERIAL SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRESTOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRESTOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
- WATER-TIGHT WELDED 1"x1" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME. BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME.
- RESULTANT ASSEMBLY TO MAINTAIN APPLICABLE UL RATING.

1 PIPE PENETRATION DETAIL
SCALE: NOT TO SCALE



NOTES:

- CONFER WITH ARCHITECT AND REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON ACCEPTABLE METHODS AND LOCATIONS FOR HANGER SUPPORTS.



PIPE HANGERS AND SUPPORTS (HORIZONTAL STEEL AND COPPER PIPING)		
NOMINAL PIPE SIZE	DISTANCE BETWEEN SUPPORTS	HANGER ROD DIAMETERS
1/2"	6'	3/8"
3/4" TO 1-1/2"	6'	1/2"
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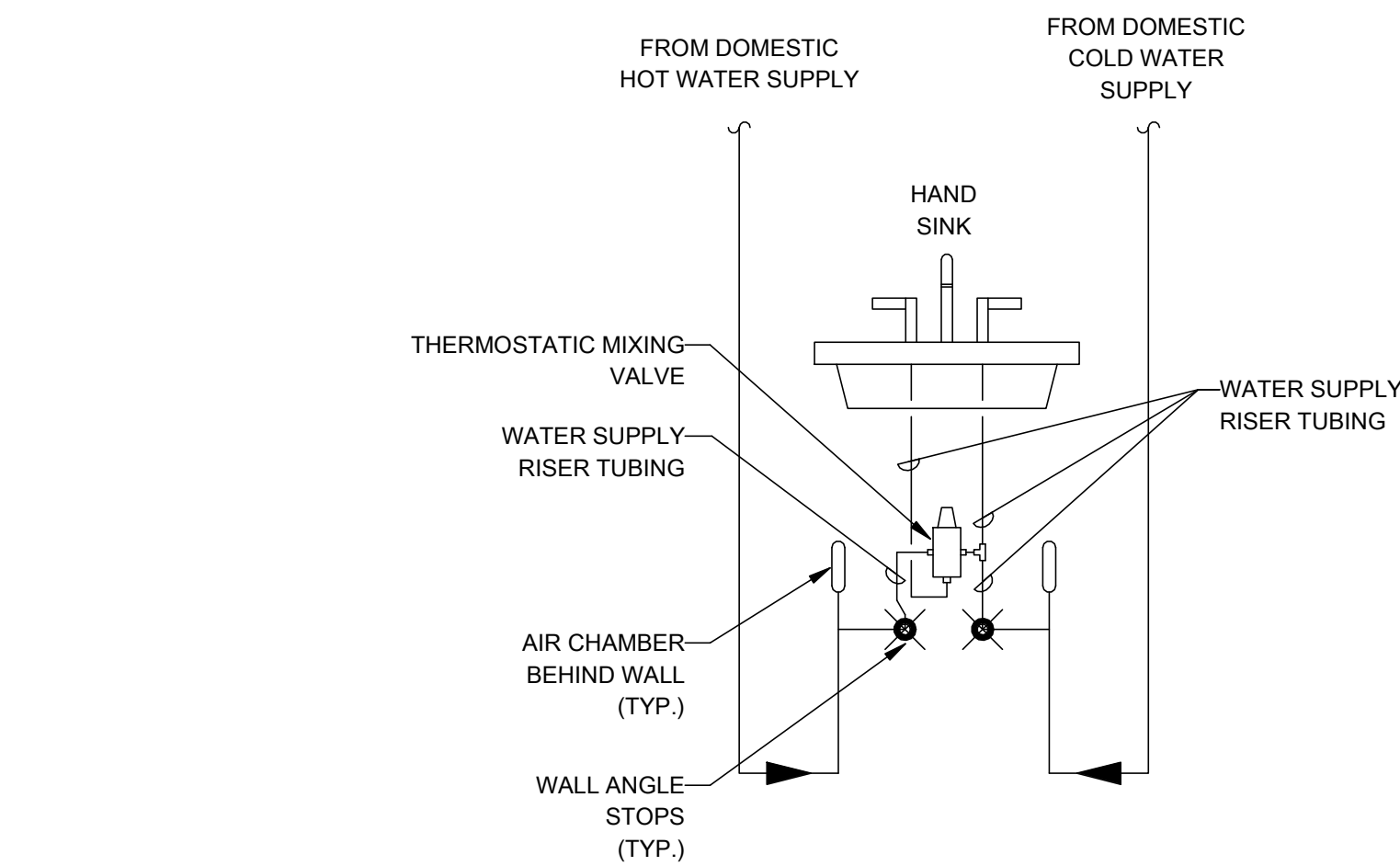
PLACE HANGER WITHIN 1 FOOT OF EACH HORIZONTAL ELBOW. SUPPORT HORIZONTAL SOLID WASTE AND STORM PIPE NEAR EACH HUB, WITH 5 FEET MAXIMUM SPACING BETWEEN HANGERS.

VERTICAL PIPING:

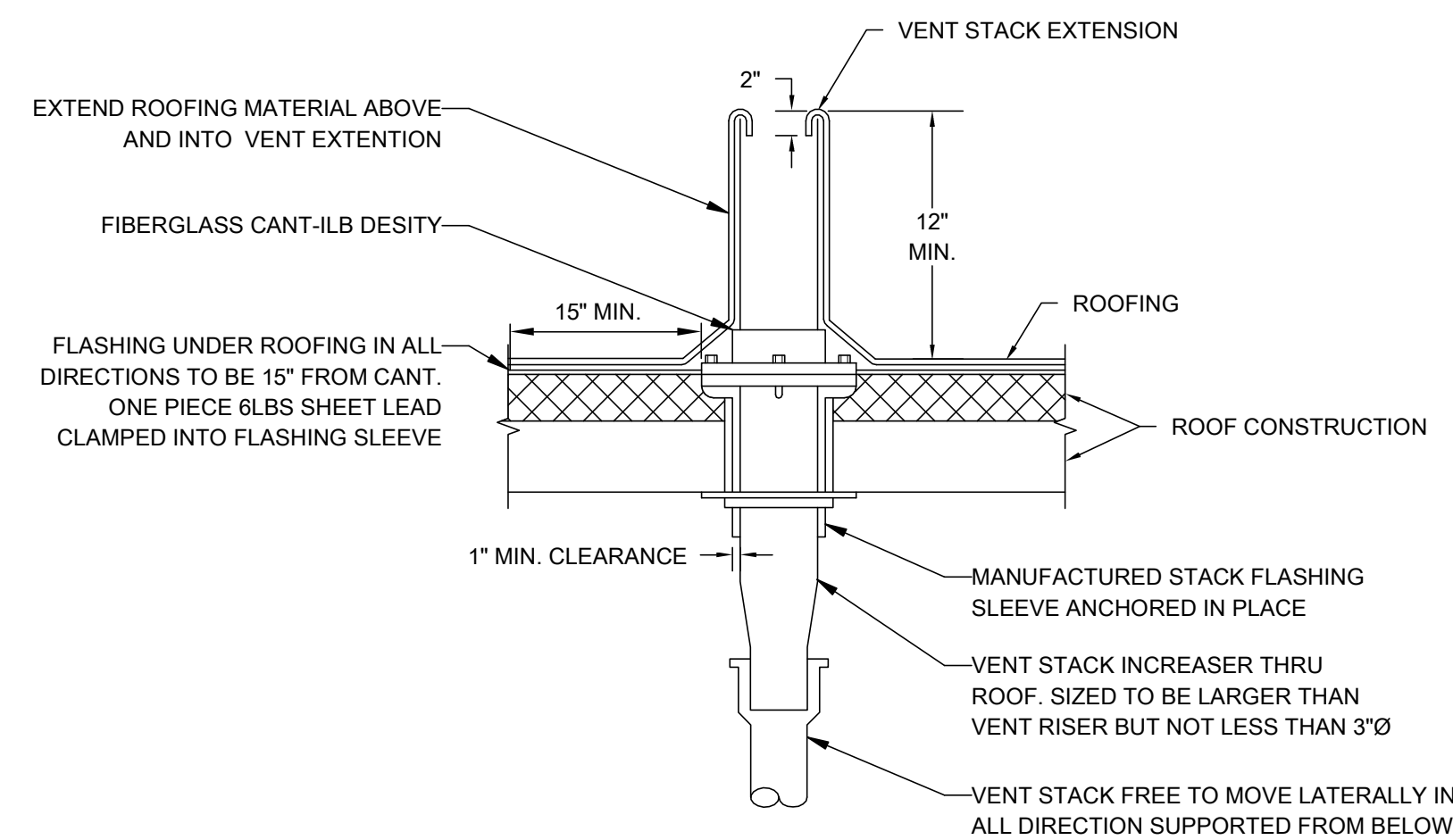
- SUPPORT VERTICAL WATER PIPING AT EVERY FLOOR.
- SUPPORT VERTICAL SOIL PIPE AT EACH FLOOR AT HUB.

WHERE SEVERAL PIPES CAN BE INSTALLED IN PARALLEL AND AT SAME ELEVATION, PROVIDE MULTIPLE OR TRAPEZE HANGERS. WHERE PRACTICAL, SUPPORT RISER PIPING INDEPENDENTLY OF CONNECTED HORIZONTAL PIPING.

2 PIPE HANGER DETAIL (DRAINAGE AND VENT)
SCALE: NOT TO SCALE



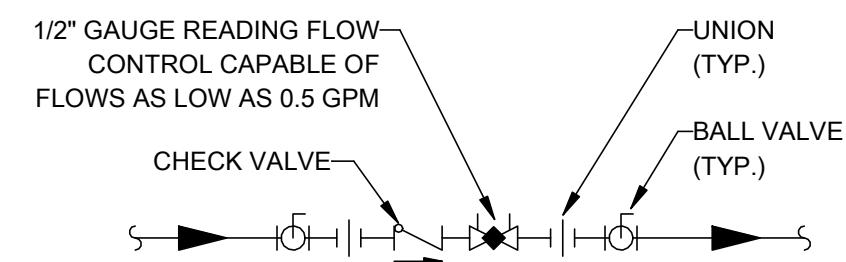
3 THERMOSTATIC MIXING VALVE DETAIL
SCALE: NOT TO SCALE



NOTES:

- VENT STACK OUTLET TO BE 10 FT. (MIN.) FROM ANY WALL OR STRUCTURE OR 3 FT. ABOVE STRUCTURE.

4 VENT THRU ROOF DETAIL
SCALE: NOT TO SCALE



NOTES:

- CONTRACTOR SHALL BALANCE THE ENTIRE HOT WATER RETURN SYSTEM SO THAT SIMILAR HOT WATER DELIVERY TIMES ARE ACHIEVED FOR EACH HOT WATER RISER IN THE BUILDING. BALANCING IS COMPLETE WHEN THE DELIVERY TIME TO GET HOT WATER IS EQUAL FOR THE FARTHEST RUN AS WELL AS THE SHORTEST RUN OF PIPE.

5 DOMESTIC HOT WATER RETURN BALANCING STATION
SCALE: NOT TO SCALE



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SHEET TITLE
PLUMBING DETAILS

SCALE

SHEET NUMBER

P-302



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No	Date	Issue
05/07/24		ISSUE FOR CONSTRUCTION
03/08/24		REVISED
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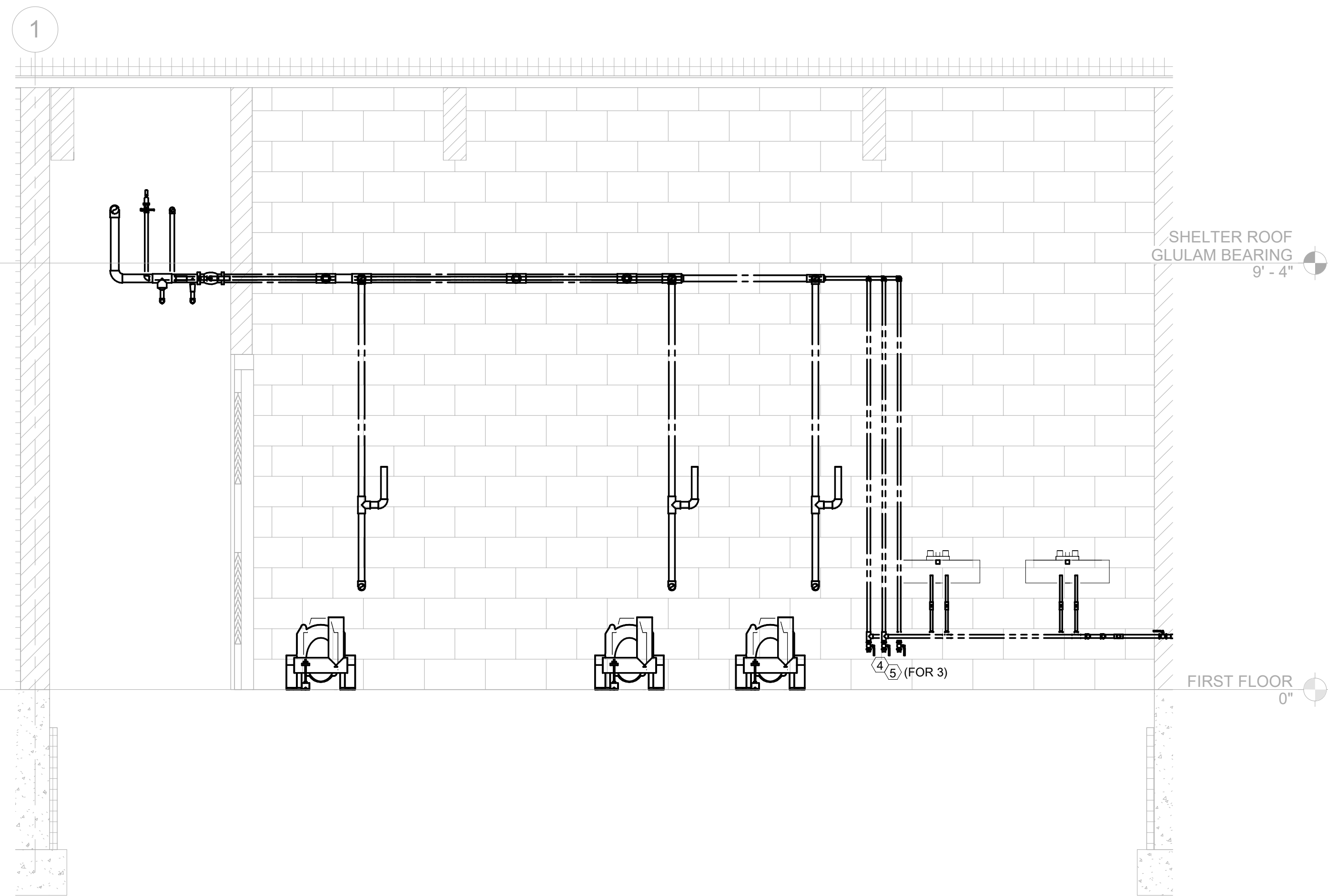
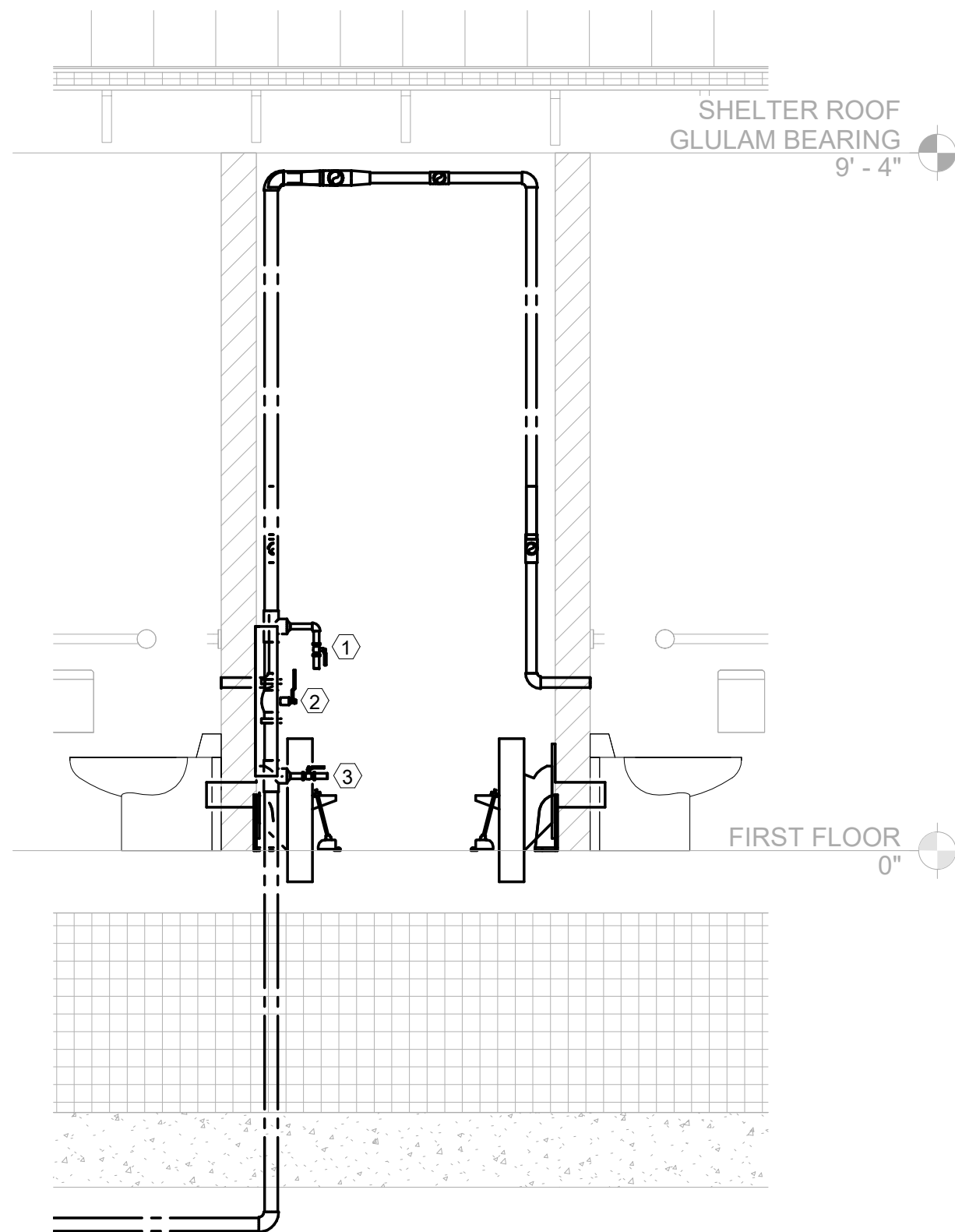
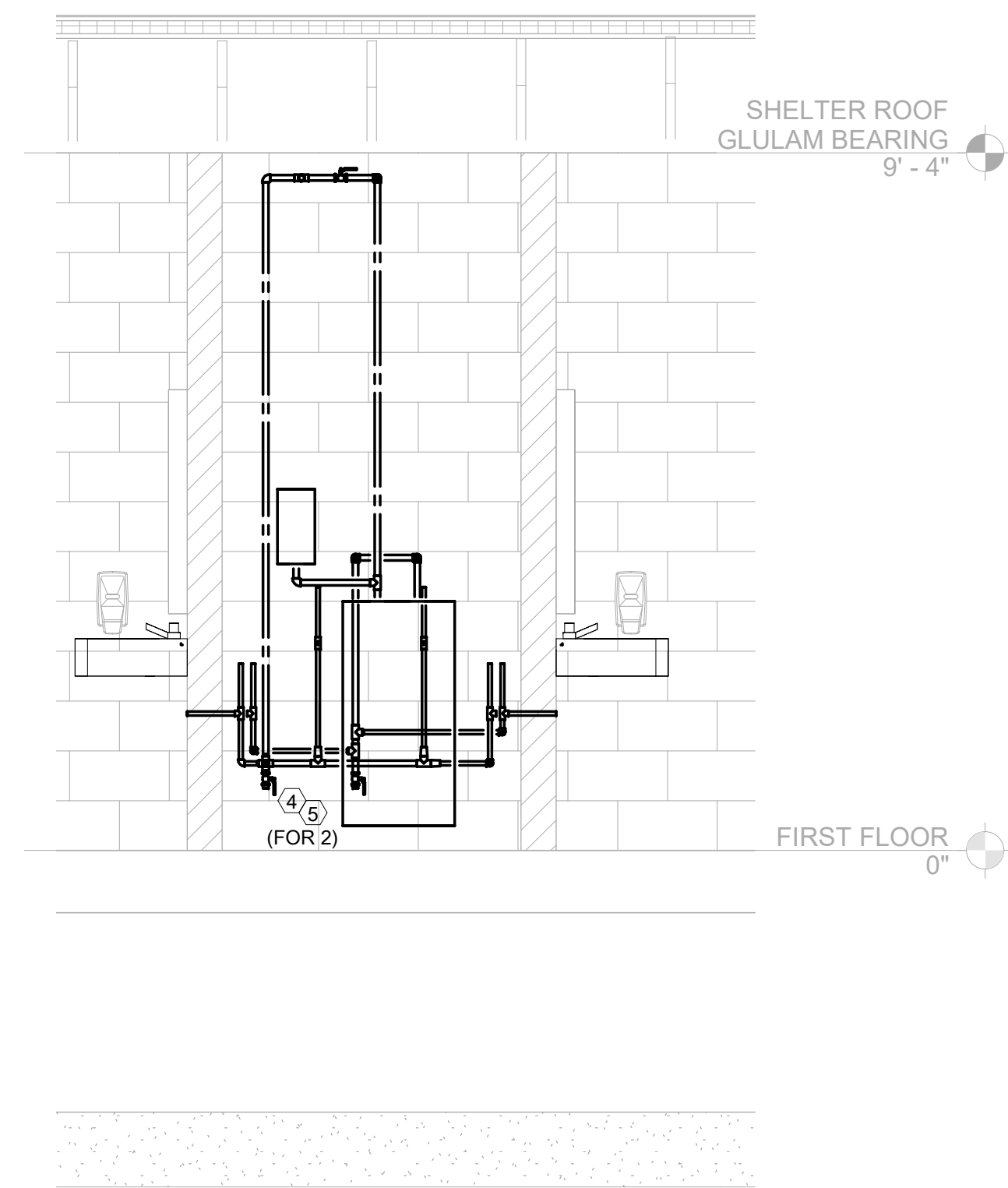
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SHEET TITLE
PLUMBING DETAILS

SCALE

SHEET NUMBER

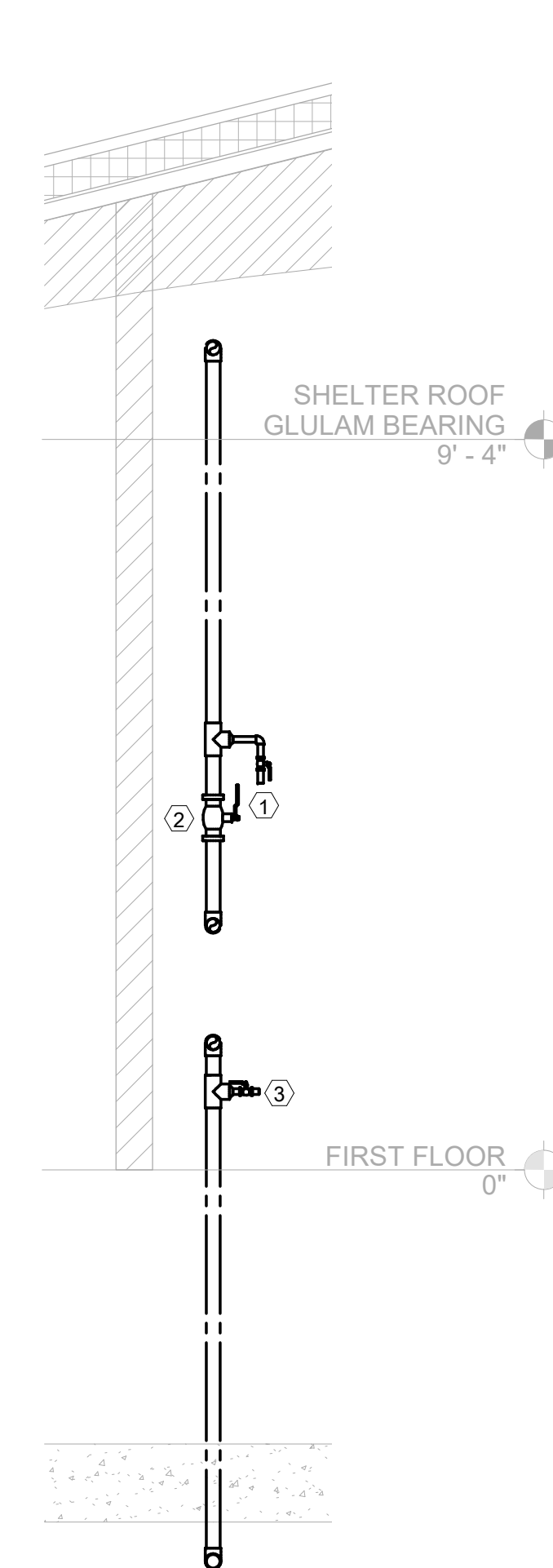
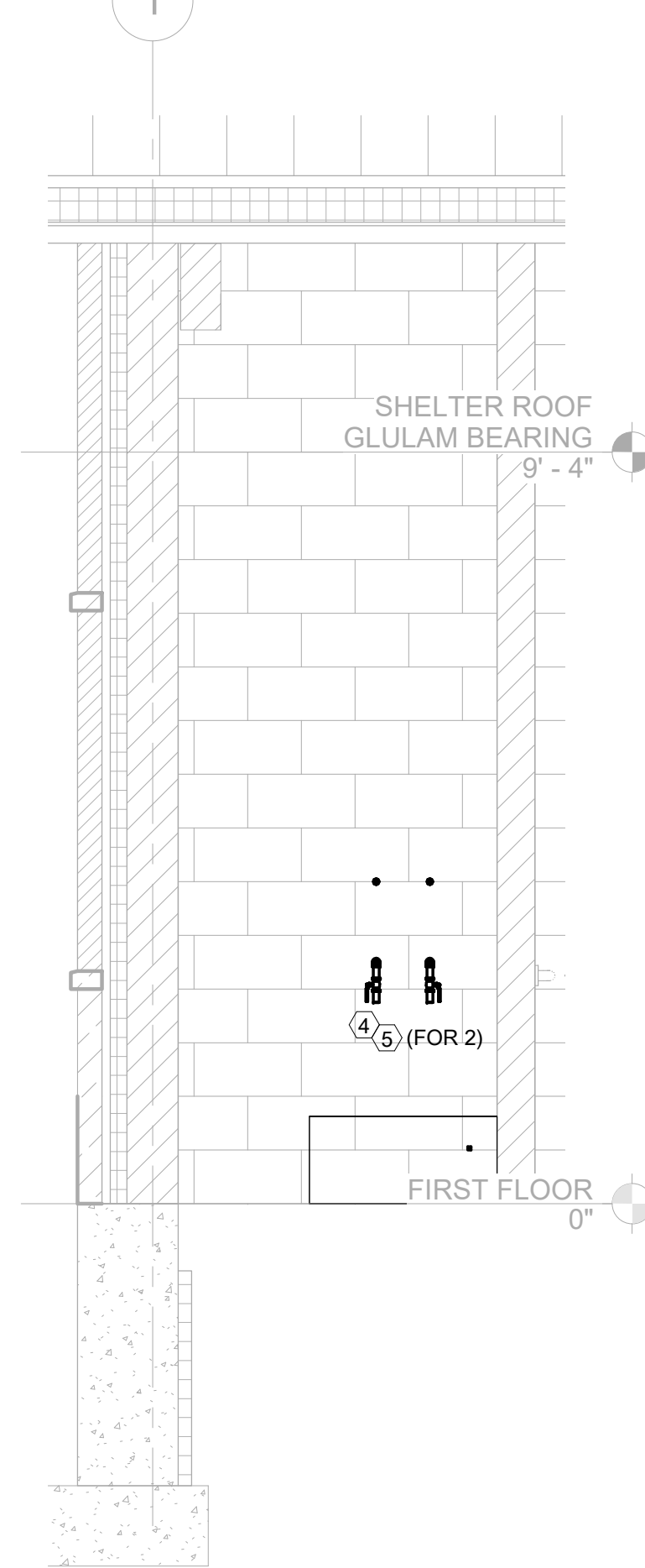
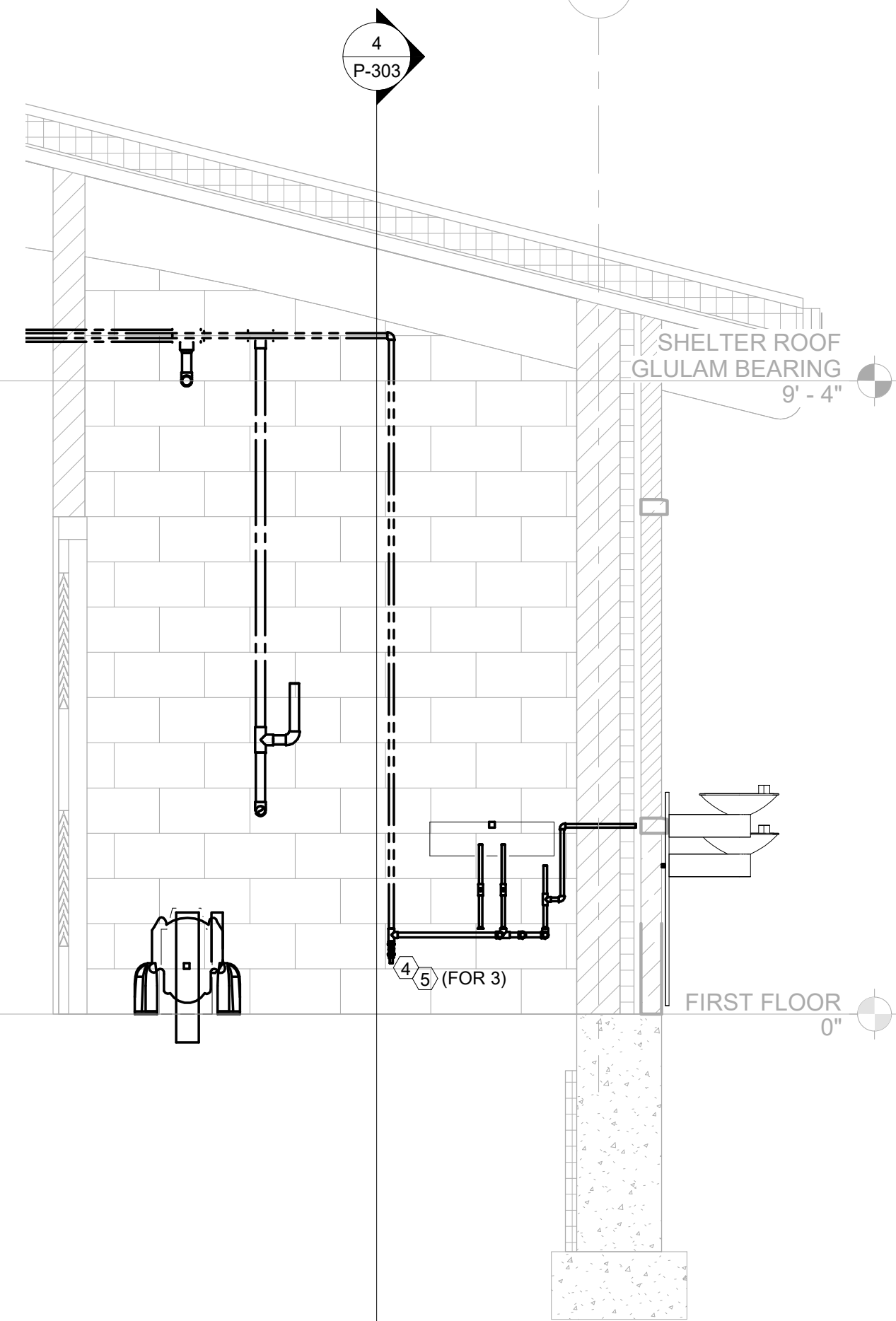
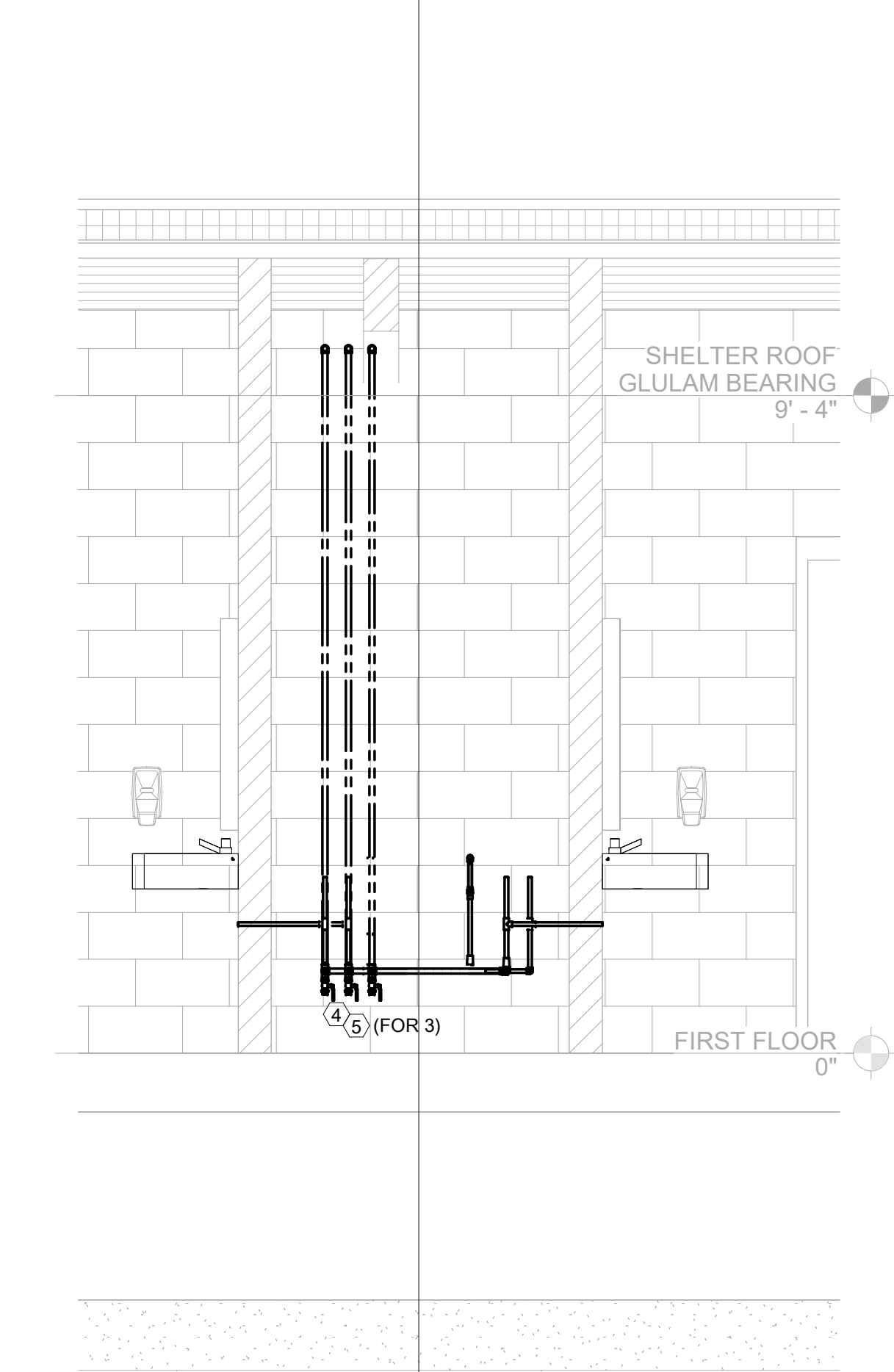
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1 RESTROOM 110/111 - WATER HEATER
SCALE: NOT TO SCALE

2 RESTROOM 110/111 - WATER CLOSETS
SCALE: NOT TO SCALE

3 STORAGE 106 - WATER CLOSETS
SCALE: NOT TO SCALE



KEYED PLUMBING NEW WORK SHEET NOTES

- WATER SERVICE MAIN DRAIN DOWN VALVE SO THE BUILDING CAN BE DRAINED DOWN TO WINTERIZE THE BUILDING PIPING SYSTEMS. ALL DRAIN DOWN VALVE SHALL BE PROVIDED WITH A THREADED CAP AT THE PIPE OUTLET AFTER THE VALVE.
- WATER SERVICE ISOLATION VALVE.
- AIR COMPRESSOR PURGE PORT WITH BALL VALVE FOR BLOWING OUT THE INCOMING UNDERGROUND WATER SERVICE WHICH CANNOT BE DRAINED DOWN TO WINTERIZE THE BUILDING PIPING SYSTEMS AND ITS INCOMING WATER SERVICE.
- AUXILIARY DRAIN DOWN VALVE SO THE BUILDING CAN BE DRAINED DOWN TO WINTERIZE THE BUILDING PIPING SYSTEMS. EACH LOW POINT IN THE WATER PIPING SYSTEM SHALL BE PROVIDED WITH NECESSARY DRAIN DOWN VALVES. ALL DRAIN DOWN VALVE SHALL BE PROVIDED WITH A THREADED CAP AT THE PIPE OUTLET AFTER THE VALVE.
- IF ADDITIONAL LOW POINTS ARE INSTALLED IN THE PIPING SYSTEM ADDITIONAL DRAIN DOWN VALVES WILL BE REQUIRED TO BE INSTALLED BY THE PLUMBING CONTRACTOR AT NO COST TO THE OWNER.

GENERAL PLUMBING NEW WORK SHEET NOTES

A. THIS SHEET IS SHOWING THE DRAIN DOWN VALVE INFORMATION; SEE OTHER SHEETS FOR ADDITIONAL INFORMATION.

4 RESTROOM 101/102 - LAVATORY
SCALE: NOT TO SCALE

5 STORAGE ROOM - WOMEN'S 103
SCALE: NOT TO SCALE

6 JANITOR 105
SCALE: NOT TO SCALE

7 STORAGE 106 - WATER SERVICE
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REVISIONS		
No.	Date	Issue
	05/07/24	ISSUE FOR CONSTRUCTION
	03/08/24	REVISED
No.	Date	Issue

CHECKED BY RSM DRAWN BY CF

SHEET TITLE
PLUMBING SPECIFICATIONS

SCALE

SHEET NUMBER
P-502

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IX. SUPPORTS, EXPANSION AND SLEEVES

A. SUPPORTS

- PROVIDE THE NECESSARY HANGERS AND ACCESSORIES FOR THE PROPER SUPPORT OF PIPING, EQUIPMENT, ETC.
- ALL NEW HORIZONTAL PIPING SHALL BE SUPPORTED BY STEEL CLEVIS OR TRAPEZE HANGERS OR BRACKETS AT SUFFICIENT INTERVALS TO MAINTAIN A STRAIGHT LINE, BUT NOT TO EXCEED 10 FEET SPACING ON CENTERS OF HANGERS IN ANY CASE, WITH A SEPARATE HANGER FOR EACH BRANCH. HANGERS SHALL BE LOCATED TO AVOID UNDUE STRESS ON JOINTS. SUPPORT ALL HUB AND NO HUB PIPING WITHIN 18" OF BOTH SIDES OF EACH JOINT.
- SPRING TYPE HANGERS SHALL BE INSTALLED ON THE FIRST 20 FEET OF HORIZONTAL PIPING ON BOTH SIDES OF ROTATING EQUIPMENT.
- WHERE INSULATED PIPE IS SUPPORTED, PROVIDE SADDLES, BLOCKS OR OTHER METHOD APPROVED BY ENGINEER TO PROTECT INSULATION FROM BEING CRUSHED.
- PIPE SUPPORT SHALL NOT BE FROM DUCTWORK, CONDUIT, OR OTHER PIPING BUT FROM THE PERMANENT BUILDING STRUCTURE.
- HANGER RODS SHALL BE FULL-DIAMETER STEEL WITH THREADED ENDS FOR FIELD CUTTING AND THREAD EXTENDING AS REQUIRED.
- HANGER RODS SHALL NOT BE BENT OR ALTERED IN ANY MANNER AND SHALL BE INSTALLED PLUMB AND TRUE. THE ROD SUPPORTING THE HANGER SHALL BE NO LONGER THAN 1/2" BELOW THE LOWER NUT.
- PROVIDE ROLLER SUPPORTS TO ALLOW FOR PIPE MOVEMENT WHEREVER THE LENGTH OF PIPE AND/OR THE EXPANSION OF THE PIPE REQUIRE. FIXED PIPE SUPPORTS THAT DO NOT ALLOW FOR THE NATURAL MOVEMENT OF PIPING DUE TO EXPANSION ARE NOT ALLOWED UNLESS OTHERWISE NOTED.
- VERTICAL PIPE RISERS SHALL BE ANCHORED AND EXPANSION COMPENSATION MEANS SHALL BE PROVIDED PER THE DRAWINGS. ALL VERTICAL PIPE RISERS SHALL BE SUPPORTED AT EACH FLOOR BY 1-1/2" X 1/4" BAR CLAMPS ATTACHED TO PIPES AND RESTING ON THE FLOOR CONSTRUCTION.

B. PIPE EXPANSION

- CONTRACTOR TO ACCOUNT FOR THERMAL PIPE EXPANSION AND CONTRACTION TO PREVENT ADVERSE EFFECTS TO PIPING SYSTEM AND BUILDING. THIS INCLUDES ALL CLEARANCES, ANCHORING, GUIDES, PIPE MOVEMENT, ETC.
- EFFORT HAS BEEN MADE WITHIN THE CONTRACT DOCUMENTS TO ACCOUNT FOR THERMAL EXPANSION AND CONTRACTION BASED ON THE ENGINEER'S LAYOUT OF THE PIPING SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE FINAL LOCATIONS, QUANTITIES & DESIGN OF ALL ANCHORS, GUIDES, SUPPORTS, EXPANSION DEVICES, ETC.
- DESIGN & PRODUCT SUBMITTALS - THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER FOR ALL ANCHORS, GUIDES, SUPPORTS, EXPANSION DEVICES, ETC. THESE SUBMITTALS SHALL OUTLINE QUANTITIES, LOCATIONS, ETC THAT REFLECT FIELD CONDITIONS AND CONTRACTOR'S FINAL LAYOUT OF PIPING EQUIPMENT.

C. PIPE SLEEVES

- PROVIDE ALL PIPE OPENINGS THROUGH WALLS, PARTITIONS, SLABS, ETC. WITH SLEEVES HAVING AN INTERNAL DIAMETER AT LEAST 1" LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE AND INSULATION. SET SLEEVES IN PLACE BEFORE POURING CONCRETE.
- PROVIDE ESCUTCHEONS FITTING OVER THE SLEEVES ON BOTH SIDES OF THE PENETRATION FOR ALL PIPES EXPOSED TO VIEW PASSING THROUGH WALLS, FLOORS, CEILINGS, PARTITIONS, ETC.

E. LABELING

- UN-INSULATED PIPING: CLEAN PIPE WHICH COULD IMPAIR BOND AS REQUIRED TO ADHERE STENCIL TYPE MARKERS SPRAY PAINTED WITH EXTERIOR GLOSS ACRYLIC ENAMEL. UTILIZE LARGEST SIZE POSSIBLE GIVEN THE PIPE OUTSIDE DIAMETER.
- INSULATED STORM PIPING: STENCIL TYPE MARKERS WILL NOT BE PERMITTED. ONLY FACTORY MANUFACTURED MARKERS AS FOLLOWS WILL BE ACCEPTABLE:
 - FOR INDOOR USE, UTILIZE ADHESIVE PIPE MARKERS - LARGEST SIZE POSSIBLE GIVEN THE PIPE OR INSULATION OUTER DIAMETER, WITH BOTH ENDS SECURED WITH ARROW TAPE OF MATCHING SIZE AND COLOR SCHEME.
- IDENTIFICATION MARKERS SHALL BE PLACED ON ALL EXPOSED AND CONCEALED PIPES AT 20'-0" INTERVALS. AT ALL VALVES AND BRANCHES, AND ON BOTH SIDES OF WALLS WHERE PIPES PASS THROUGH. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.
- COORDINATE COLOR SCHEME WITH EXISTING PIPING AND SUBMIT TO ENGINEER PRIOR TO ORDERING.

F. VALVES

- VALVES SHALL BE INSTALLED AS A MEANS OF ISOLATION FOR EACH PIECE OF EQUIPMENT.
- INSTALL ALL VALVES WITH STEMS IN EITHER AN UPRIGHT (PREFERRED) OR HORIZONTAL POSITION. OPEN VALVE HANDLE POSITION SHALL BE IN THE DIRECTION OF FLOW.
- ISOLATION VALVES SHALL BE MSS SP-61, RATED FOR ZERO LEAKAGE.
- BALL VALVES (2-1/2" NPS AND SMALLER)
 - MSS SP-110
 - 2 PIECE BRASS BODY 600# WOG RATED, FULL PORT
 - FORGED BRASS BALL
 - PTFE SEAT AND PACKING
 - LEVER HANDLE
 - THREADED ENDS
 - ACCEPTABLE MANUFACTURERS:
 - APOLLO, LEGEND, MILWAUKEE, NIBCO
- BUTTERFLY VALVES (3" NPS AND LARGER)
 - MSS SP-67
 - LUG TYPE WITH CAST IRON OR DUCTILE IRON BODY
 - STAINLESS STEEL SHAFT
 - PTFE SEAT/SEALS
 - TEN POSITION LEVER HANDLE
 - FLANGED ENDS
 - ACCEPTABLE MANUFACTURERS:
 - APOLLO, NIBCO, MILWAUKEE

VIII. TESTING AND CLEANING

A. TESTING

- PRIOR TO ANY TESTING, ALL NEW WATER PIPING SYSTEMS SHALL BE FLUSHED USING WATER. LOW POINT DRAINS SHALL BE OPENED AND THE SYSTEMS PROVED TO BE DRAINABLE.
- SUBJECT ALL CLOSED SYSTEMS OPERATING UNDER PRESSURE TO HYDROSTATIC PRESSURE TESTS THAT IS NOT LESS THAN 80 PSIG AND 1.5 TIMES THE SYSTEM'S WORKING PRESSURE FOR A MINIMUM OF 1 HOUR OR AS SPECIFICALLY INDICATED. TEST PRESSURE SHALL NOT EXCEED MAXIMUM PRESSURE RATING FOR ANY VESSEL, PUMP, VALVE, OR OTHER COMPONENT IN SYSTEM UNDER TEST.
- ALL OPEN SYSTEMS, SEWERS, ETC., SHALL BE TESTED WITH WATER AT A MINIMUM OF TEN (10) FOOT OF HEAD; THE WATER LEVEL SHALL BE MAINTAINED IN THE PORTION BEING TESTED FOR AT LEAST 15 MINUTES.
- ALL PIPING SYSTEMS SHALL BE TESTED. IF LEAKS OCCUR, THE PIPE OR FITTING SHALL BE REMOVED AND REPLACED AND THE SYSTEM RETESTED.
- SUBMIT REPORTS WITHIN 48 HOURS OF TEST DATES TO ENGINEER INDICATING TEST DATE, STARTING AND ENDING TEST PRESSURES OR WATER LEVELS, AND DURATION, AS WELL AS CERTIFICATION OF SUCCESSFUL TEST.
- PIPING SHALL NOT BE CONCEALED, BACKFILLED, INSULATED, OR SIMILAR UNTIL PRESSURE TESTING IS COMPLETE AND REVIEWED.

B. CLEANING

- AFTER SUCCESSFUL TESTING OF THE PIPING SYSTEMS, FLUSH AND DRAIN AT A MINIMUM OF 3 FEET PER SECOND NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED USING CLEAN POTABLE WATER UNTIL NO DIRTY WATER APPEARS AT THE OUTLET.
- AFTER FLUSHING, USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION. IF PROCEDURES ARE NOT PRESCRIBED BY THE AUTHORITY, USE PROCEDURES IN ANSII/AWWA STANDARD C651 AND/OR ANSII/AWWA STANDARD C652.
- IF WATER IS NOT CHLORINATED, DISINFECTION OF PIPING SHALL BE PER THE AUTHORITY HAVING JURISDICTION.

9. WATER HAMMER ARRESTORS

- MAINTENANCE FREE PISTON STYLE
 - NPT SOLID HEX BRASS ADAPTOR CONNECTION.
 - PDI LISTED - PDI WH201.
 - ASSE 1010 APPROVED.
 - FACTORY PRE-CHARGED WITH AIR AND PERMANENTLY SEALED.
 - COPPER BODY, POLYPROPYLENE PISTON, EPDM O-RING.
 - PROVIDE ACCESS FOR FUTURE REPLACEMENT.
- INSTALL AIR VENTS AT HIGH POINTS IN ALL PIPING AND AS REQUIRED FOR SYSTEM VENTING.
 - INSTALL DRAIN VALVES AT LOW POINTS IN PIPING AND AS REQUIRED FOR SYSTEM DRAINAGE. DRAINS SHALL NOT BE LESS THAN 3/4".
 - RELIEF VALVES SHALL BE OF ASME CODE CONSTRUCTION AND MEET OR EXCEED LOCAL CODES AND ORDINANCES.
 - INSTALL UNIONS IN PIPING ADJACENT TO EACH PIECE OF EQUIPMENT HAVING A 4-INCH OR SMALLER PIPE CONNECTION.
 - INSTALL FLANGES IN PIPING ADJACENT TO EACH PIECE OF EQUIPMENT HAVING A 5-INCH OR LARGER PIPE CONNECTION.
 - INSTALL DI-ELECTRIC FITTINGS TO CONNECT PIPING MATERIALS OF DISSIMILAR METALS.

G. PIPE LABELING

- STENCIL TYPE MARKERS WILL NOT BE PERMITTED. ONLY FACTORY MANUFACTURED MARKERS AS FOLLOWS WILL BE ACCEPTABLE:
 - FOR INDOOR USE, UTILIZE ADHESIVE PIPE MARKERS - LARGEST SIZE POSSIBLE GIVEN THE PIPE OR INSULATION OUTER DIAMETER, WITH BOTH ENDS SECURED WITH ARROW TAPE OF MATCHING SIZE AND COLOR SCHEME.
 - FOR OUTDOOR USE, UTILIZE "STRAP AROUND" TYPE SECURED WITH HEAVY DUTY ZIP TIES.
- IDENTIFICATION MARKERS SHALL BE PLACED ON ALL EXPOSED AND CONCEALED PIPES AT 20'-0" INTERVALS, AT ALL VALVES AND BRANCHES, AND ON BOTH SIDES OF WALLS WHERE PIPES PASS THROUGH. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.
- COORDINATE COLOR SCHEME WITH EXISTING PIPING AND SUBMIT TO ENGINEER PRIOR TO ORDERING.

H. VALVE IDENTIFICATION

- FURNISH AND INSTALL TAGS FOR ALL NEW VALVES.
- VALVE TAGS SHALL HAVE UNIQUE NUMBERS AND SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO ORDERING.
- VALVE TAGS SHALL BE BRASS MATERIAL AND SHALL BE FASTENED WITH A STURDY CHAIN.
- VALVE TAG NUMBERS SHALL BE INDICATED ON THE AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL INCLUDE VALVE SCHEDULE TO BE DISPLAYED WITHIN THE BUILDING.

VII. PIPING - WASTE, VENT, AND STORM

A. GENERAL

- COMPLY WITH PROVISIONS OF CAST IRON SOIL PIPE INSTITUTE (CISPI) HANDBOOK, COPPER DEVELOPMENT ASSOCIATION'S "COPPER TUBE HANDBOOK", AND AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM).
- SYSTEM COMPONENTS WHICH REQUIRE OBSERVATION, OPERATION, OR MAINTENANCE, SUCH AS VALVES, CLEANOUTS, DRAINS, EQUIPMENT, CONTROLS, UNIONS, ETC., SHALL BE READILY ACCESSIBLE. THEY SHALL NOT BE CONCEALED IN CHASES OR ABOVE CEILINGS WITHOUT PROVISION FOR ACCESS.
- INSTALL PIPING WITH SLOPE TO ALLOW FOR PROPER FUNCTIONALITY. PIPING SHALL BE INSTALLED WITH THE MINIMUM FOLLOWING SLOPES OR AS DICTATED ON THE DRAWINGS:
 - SANITARY, WASTE, AND VENT PIPING
 - 3" AND SMALLER: 1/4" PER FOOT
 - 4" AND LARGER: 1/8" PER FOOT
- INSTALL INTERIOR AND EXTERIOR PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED, EXCEPT WHERE INDICATED OR APPROVED PRIOR TO INSTALLATION. RUN PIPING IN WALL CHASES, PIPE SHAFTS, HUNG CEILINGS, RECESSES, ETC. AS APPLICABLE. DO NOT RUN SERVICE PIPING IN FLOOR SLAB UNLESS SPECIFICALLY NOTED ON DRAWINGS. PIPING SHALL NOT BE COVERED OR CLOSED UNTIL TESTING IS COMPLETED.
- PROVIDE WASTE AND STORM CLEANOUTS AT THE BASE OF RISERS, ENDS OF HORIZONTAL MAINS, CHANGES IN DIRECTION, CODE SPECIFIED INTERVALS OR AS SPECIFIED IN DOCUMENTS. INTENT IS TO ALLOW ALL WASTE AND STORM PIPING TO BE RODDED AFTER INSTALLATION.
- FOR VENTS PENETRATING ROOFS, PROVIDE 24 INCH SQUARE FLASHING AND TURN VENT FLASHING DOWN INTO VENT PIPE.
- INSTALL PIPING TO ALLOW APPLICATION OF INSULATION PLUS 1-INCH CLEARANCE AROUND INSULATION.
- ALL CAST IRON PIPE AND FITTINGS SHALL BE MANUFACTURED IN USA BY A MEMBER OF CISPI.

B. UNDERGROUND PIPING

- ALL PIPE SIZES: HUB-AND-SPIGOT, CAST-IRON SOIL PIPE AND FITTINGS, SERVICE CLASS ASTM A 74 WITH COMPRESSION JOINTS AND ASTM C 564 RUBBER GASKETS.
- FORCE MAINS:
 - FOR 4 INCH AND SMALLER: ALL PIPING SHALL BE TYPE 'L' HARD COPPER PIPING WITH 95/5 SOLDER JOINT FITTINGS.
 - FOR 5" AND LARGER: TYPE 'L' HARD COPPER PIPING WITH 95/5 SOLDER JOINT FITTINGS OR DUCTILE-IRON PIPE WITH PUSH-ON-JOINT DUCTILE-IRON FITTINGS, GASKETS, AND GASKETED JOINTS.

C. ABOVE GROUND PIPING

- 2-1/2" INCH AND SMALLER: ALL PIPING SHALL BE TYPE 'M' HARD COPPER PIPING WITH SOLDER JOINT DRAINAGE FITTINGS.
- 3" AND LARGER: HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS, SERVICE CLASS ASTM A 888 OR CISPI 301 WITH NO-HUB COUPLINGS ASTM C 1277 OR CISPI 310, STAINLESS-STEEL CORRUGATED SHIELD WITH STAINLESS-STEEL BANDS AND TIGHTENING DEVICES; AND ASTM C 564, RUBBER SLEEVE WITH INTEGRAL, CENTER PIPE STOP; INSTALL WITH THRUST RESTRAINTS FOLLOWING CISPI RECOMMENDATIONS.
- FORCE MAINS:
 - FOR 4 INCH AND SMALLER: ALL PIPING SHALL BE TYPE 'L' HARD COPPER PIPING WITH 95/5 SOLDER JOINT FITTINGS.
 - FOR 5" AND LARGER: TYPE 'L' HARD COPPER PIPING WITH 95/5 SOLDER JOINT FITTINGS OR SCHEDULE 40 STEEL PIPING WITH THREADED JOINT FITTINGS

I. GENERAL NOTES

- A. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN CONFORMANCE WITH ALL GOVERNING NATIONAL, STATE, AND LOCAL CODES HAVING JURISDICTION.
- B. CONTRACTOR SHALL REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS, AS WELL AS ALL SPECIFICATIONS AND INSTRUCTIONS TO BIDDERS. THIS CONTRACTOR SHALL VISIT THE SITE AND MAKE A DETAILED INSPECTION OF THE SPECIFIED WORK TO DEVELOP KNOWLEDGE OF ALL CONDITIONS PERTINENT TO THE COMPLETION OF HIS WORK. THIS CONTRACTOR SHALL FULLY COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHER TRADES AND/OR CONTRACTORS, AND SHALL MAKE SUCH FIELD ADJUSTMENTS AS ARE REQUIRED TO ACCOMMODATE FIELD CONDITIONS.
- C. IT IS THE INTENT OF THESE DOCUMENTS THAT THE CONTRACTOR PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, AND TOOLS FOR THE COMPLETE INSTALLATION OF ALL WORK SHOWN ON THE PLANS AND/OR DESCRIBED HEREIN, INCLUDING ALL DEVICES, CONTROLS, AND APPURTENANCES REQUIRED TO SET THE NEW SYSTEMS INTO OPERATION, UNLESS OTHERWISE NOTED.
- D. CONTRACTOR SHALL VERIFY ALL MOUNTING, ARRANGEMENTS, HEIGHTS, AND LOCATIONS PRIOR TO ROUGH-IN. ANY MENTION OF A SPECIFIC MOUNTING ARRANGEMENT, WEIGHT, OR LOCATION SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO VERIFY SPECIFIC REQUIREMENTS AND BASE HIS WORK ON THEM. THE SAME CARE SHALL BE TAKEN WITH RESPECT TO INFORMATION FURNISHED BY THIS CONTRACTOR TO HIS SUBCONTRACTORS OR TO OTHER CONTRACTORS EMPLOYED BY THE OWNER ON THIS PROJECT.
- E. CONTRACTOR SHALL ESTABLISH SAFE WORKING PROCEDURES FOR THE PROTECTION OF THE WORKMEN IN ALL PHASES OF WORK AND SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY LAWS, INCLUDING THE REQUIREMENTS OF OSHA. HE SHALL ALSO PROVIDE ALL NECESSARY SIGNS, LIGHTS, AND BARRICADES REQUIRED FOR THE SAFETY OF ALL OTHER PERSONS WHO MIGHT COME IN CONTACT WITH THE CONSTRUCTION BEING PERFORMED UNDER THIS CONTRACT.
- F. ALL PUBLIC AND PRIVATE PROPERTY DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONSTRUCTION BY THIS CONTRACTOR AND TO THE SATISFACTION OF THE OWNER AND AUTHORITIES HAVING JURISDICTION.
- G. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH THE BUILDING OWNER'S REPRESENTATIVE REGARDING WORKSITE ACCESS, BUILDING RULES, AND REGULATIONS, INCLUDING WORKING HOURS, REFUSE DISPOSAL, DUMPSTER LOCATION, SECURITY, PARKING, AND ANY OTHER ITEMS DEEMED TO BE OF MUTUAL INTEREST.
- H. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO STORE AND PROTECT FROM DAMAGE ALL EQUIPMENT AND MATERIALS IN A MANNER THAT WILL MAINTAIN AN ORDERLY, CLEAN APPEARANCE. DAMAGED EQUIPMENT AND MATERIAL IS SUBJECT TO REJECTION BY THE OWNER'S REPRESENTATIVE.
- I. PROVIDE ALL HOLES, SLEEVES, CUTTING, PATCHING, AND SEALING FOR INSTALLATION OF THIS WORK. SEALING SHALL CONFORM TO THE FIRE RATING OF ALL BUILDING ASSEMBLIES. ALL EXTERIOR PENETRATIONS SHALL BE MADE WEATHER TIGHT.
- J. CONTRACTOR SHALL BE PROPERLY LICENSED, BONDED, AND INSURED AND CAPABLE OF PERFORMING QUALITY WORKMANSHIP ON THIS PROJECT.
- K. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND SAFETY.
- L. MAINTAIN ALL MANUFACTURER RECOMMENDED AND CODE REQUIRED CLEARANCES.
- M. CONTRACTOR SHALL PROVIDE TRAINING TO THE OPERATING STAFF FOR NEW SYSTEMS AND EQUIPMENT.

II. SUBMITTALS

- A. CONTRACTOR SHALL SUBMIT TO THE ENGINEER MANUFACTURERS' SUBMITTALS FOR ALL EQUIPMENT AND ACCESSORIES. CONTRACTOR SHALL PROCEED WITH PROCUREMENT ONLY AFTER RECEIVING SUBMITTALS MARKED REVIEWED.
- B. CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN ELECTRONIC FILE OF ALL EQUIPMENT INFORMATION. INCLUDE OPERATIONAL AND MAINTENANCE INSTRUCTIONS, PARTS LISTS, SUBMITTALS, AND DESCRIPTIVE LITERATURE.

III. MATERIALS AND EQUIPMENT

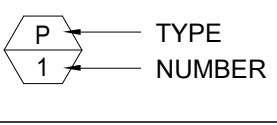
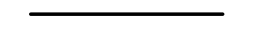

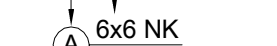
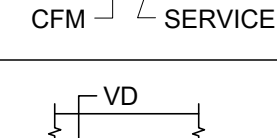
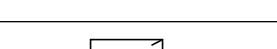
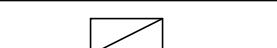

- A. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE NEW.
- B. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS.
- C. CONTRACTOR IS REQUIRED TO REVIEW ALL DRAWINGS. MATERIALS AND EQUIPMENT SHOWN ON THE SCHEDULES AND DETAILS SHALL BE INCLUDED IN BASE BID.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING THE PURCHASE, DELIVERY, RECEIVING, UNLOADING, UNCRATING, STORING, SETTING IN PLACE, AND PROTECTING OF ALL NEW EQUIPMENT FURNISHED BY THE CONTRACTOR AND SHALL SECURE SUCH EQUIPMENT FROM DAMAGE UNTIL TIME OF FINAL ACCEPTANCE BY THE OWNER.

IV. DUCTWORK

- A. GENERAL
 - 1. IN GENERAL, THE COMPLETE SHEET METAL DUCTWORK SYSTEMS FURNISHED UNDER THIS CONTRACT, SHALL BE CONSTRUCTED AND INSTALLED IN STRICT CONFORMANCE WITH THE STANDARDS AS SET FORTH IN THE "DUCT MANUAL AND SHEET METAL CONSTRUCTION FOR VENTILATING AND AIR-CONDITIONING SYSTEMS" AS PUBLISHED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA).
 - 2. ELBOWS SHALL BE CONSTRUCTED WITH THE INSIDE RADIUS NOT LESS THEN 1/2 THE DUCT WIDTH IN THE SAME PLANE. WHERE STANDARD RADIUS ELBOWS CANNOT BE INSTALLED DUE TO SPACE CONSTRAINTS, SQUARE ELBOWS WITH DOUBLE THICKNESS TURNING VANES MAY BE INSTALLED WHERE APPROVED BY ENGINEER. CROSS-BRAKE OR BEAD SURFACES WIDER THAN 18" FOR RIGIDITY.
 - 3. TRANSFORM DUCT SIZES GRADUALLY, NOT EXCEEDING 15 DEGREES DIVERGENCE AND 30 DEGREES CONVERGENCE.
 - 4. ALL DUCT SIZES SHOWN ON PLANS SHALL BE INSIDE CLEAR DIMENSIONS.
 - 5. UPON COMPLETION OF THE INSTALLATION OF DUCTWORK CLEAN ENTIRE SYSTEM OF DEBRIS.
 - 6. PROTECT DUCTWORK FROM THE ELEMENTS AND FOREIGN MATERIAL AND COMPLY WITH INTERMEDIATE DUCT CLEANLINESS LEVEL IN ACCORDANCE WITH SMACNA'S "DUCT CLEANLINESS FOR NEW CONSTRUCTION GUIDELINES"
 - 7. THIS CONTRACTOR SHALL INSTALL FLEXIBLE DUCT CONNECTIONS BETWEEN EACH PIECE OF EQUIPMENT HAVING A FAN, AND ITS SUPPLY, RETURN, AND EXHAUST DUCTWORK. CONNECTIONS WHEN COMPLETED SHALL BE AIRTIGHT, AND SHALL BE INSTALLED IN AN APPROVED MANNER. FLEXIBLE CONNECTIONS SHALL BE NEOPRENE MATERIAL, TO INSURE AGAINST TRANSMISSION OF VIBRATION FROM THE FAN TO THE DUCTWORK.
- B. DUCTWORK MATERIAL
 - 1. NON-COMBUSTIBLE OR CONFORMING TO REQUIREMENTS FOR CLASS 1 AIR DUCT MATERIALS OR UL 181.
 - 2. STEEL DUCTS SHALL MEET ASTM A653 / A653M, GALVANIZED COATING DESIGNATION G90, AND MILL PHOSPHATIZED FINISHES FOR SURFACES EXPOSED TO VIEW.
 - 3. REINFORCEMENT PLATES AND SHAPES: ASTM A36 / A36M, STEEL PLATES, SHAPES, AND BARS; BLACK AND GALVANIZED.
 - 4. TIE RODS: GALVANIZED STEEL, 1/4" MINIMUM DIAMETER FOR LENGTHS 36" OR LESS; 3/8" MINIMUM DIAMETER FOR LENGTHS LONGER THAN 36".
 - 5. SHEET METAL MATERIALS AND SUPPORTS SHALL COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" FOR APPLICABLE MATERIALS, MATERIAL THICKNESSES, AND DUCT CONSTRUCTION METHODS BASED ON APPLICABLE PRESSURE CLASSES. SHEET METAL MATERIALS SHALL BE FREE OF PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS, AND OTHER IMPERFECTIONS.
- C. DUCTWORK SUPPORTS AND CONNECTIONS
 - 1. COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS" FOR HANGERS AND SUPPORTS AND HANGER SPACING.
 - 2. INSTALL HANGERS AND SUPPORTS WITHIN 24" OF EACH ELBOW AND WITHIN 48" OF EACH BRANCH INTERSECTION.
 - 3. HANGERS EXPOSED TO VIEW SHALL BE THREADED ROD AND ANGLE OR CHANNEL SUPPORTS.
 - 4. INSTALL UPPER ATTACHMENTS TO STRUCTURES. SELECT AND SIZE WITH PULL OUT, TENSION, AND SHEAR CAPACITIES APPROPRIATE FOR SUPPORTED LOADS AND BUILDING MATERIALS WHERE USED.
 - 5. HANGER RODS FOR NON-CORROSIVE ENVIRONMENTS SHALL BE CADMIUM PLATED STEEL RODS AND NUTS.
 - 6. STEEL CABLES FOR GALVANIZED STEEL DUCTS SHALL BE GALVANIZED STEEL COMPLYING WITH ASTM A603.
 - 7. STEEL CABLE END CONNECTIONS SHALL BE CADMIUM PLATED STEEL ASSEMBLIES WITH BRACKETS, SWIVEL, AND BOLTS DESIGNED FOR DUCT HANGER SERVICE; WITH AN AUTOMATIC LOCKING AND CLAMPING DEVICE.
- D. DUCTWORK ACCESSORIES
 - 1. EACH SHEET METAL DUCT TEE AND BRANCH TAKE OFF FITTING SHALL BE EQUIPPED WITH A LOCKING TYPE MANUAL VOLUME DAMPER SUITABLE FOR PROPER BALANCING. EACH SUPPLY, RETURN AND EXHAUST AIR REGISTER, DIFFUSER, TROFFER, GRILLE, ETC. SHALL BE DIRECTLY SERVED BY DUCTWORK WHICH INCLUDES A LOCKING TYPE MANUAL VOLUME DAMPER SUITABLE FOR PROPER BALANCING. MANUAL VOLUME DAMPER SHALL BE "RUSKIN" OR APPROVED EQUIVALENT WITH MINIMUM 20 GAUGE GALVANIZED STEEL BLADES AND FRAME AND SYNTHETIC BEARINGS.
 - 2. PROVIDE CANVAS TYPE FLEXIBLE AIR DUCTS FOR CONNECTIONS BETWEEN BRANCH LOW PRESSURE DUCTWORK AND DIFFUSERS, GRILLES, AND REGISTERS. INSTALL WITH A GALVANIZED STEEL STRAP, CADMIUM PLATED, AND FASTENED WITH A SLOTTED BOLT.

V. SYSTEM START-UP, TESTING, ADJUSTING AND BALANCING (TAB)

- A. UPON SUBSTANTIAL COMPLETION OF SYSTEMS INSTALLATION, AND PRIOR TO ACCEPTANCE BY THE ENGINEER AND OWNER, THIS CONTRACTOR SHALL SUBCONTRACT A TAB CONTRACTOR WHO'S TECHNICIANS ARE NEBB OR AABC CERTIFIED. TAB SUBCONTRACTOR SHALL NOT BE AFFILIATED WITH THE CONTRACTOR.
- B. TEST PROCEDURES SHALL BE PER LATEST EDITIONS OF NEBB, AABC, OR TESTING, ADJUSTING, AND BALANCING CHAPTER OF ASHRAE APPLICATIONS HANDBOOK.
- C. PRIOR TO ALL TAB PROCEDURES PROCEEDING, SYSTEMS INSTALLATION, STARTUP, AND OPERATION SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PER THE MINIMUM REQUIREMENTS OF NEBB, AABC, OR ASHRAE. IF DEFICIENCIES ARE FOUND WHICH PREVENT PROPER TAB PROCEDURES AND REPEATABLE RESULTS, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESULTING COSTS.
- D. THE , ENGINEER SHALL BE NOTIFIED WHEN TAB SCOPE WILL BEGIN ON SITE, AUTHORIZED REPRESENTATIVE OF THE OWNER MAY BE IN ATTENDANCE IF DEEMED NECESSARY.
- E. THIS CONTRACTOR TO ASSIST THE TAB CONTRACTOR AS REQUIRED TO ENSURE REPEATABLE RESULTS. THIS CONTRACTOR SHALL PROVIDE THE TAB CONTRACTOR WITH ALL REQUIRED DOCUMENTATION TO SUPPORT TAB SCOPE.
- F. TAB CONTRACTOR SCOPE SHALL INCLUDE ALL NEW SYSTEMS AND EQUIPMENT .
- G. TAB CONTRACTOR SCOPE SHALL INCLUDE EXISTING SYSTEMS AS IDENTIFIED IN THE DOCUMENTS OR AS REQUIRED FOR A FULLY FUNCTIONAL AND FULLY BALANCED SYSTEM.
- I. TAB CONTRACTOR SHALL PROVIDE REPORT IN ACCORDANCE WITH UTILIZED STANDARD ALONG WITH AN EXECUTIVE SUMMARY STATING THE EXTENT OF SYSTEM COMPLIANCE, SYSTEM DEFICIENCIES, AND RECOMMENDED CHANGES. THIS REPORT SHALL BE SUBMITTED WITHIN THIRTY (30) DAYS OF COMPLETION OF THIS SCOPE OF WORK.

MECHANICAL SYMBOLS	
GENERAL	
	TYPE NUMBER
	EQUIPMENT TAG
DUCTWORK	
	NEW DUCTWORK
	DIRECTION OF AIRFLOW
	GRILLE/REGISTER/DIFFUSER TAG
	MANUAL VOLUME (OR BALANCING) DAMPER
	RECTANGULAR EXHAUST/RETURN DUCTWORK DOWN
	RECTANGULAR EXHAUST/RETURN DUCTWORK UP

MECHANICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
CFM	CUBIC FEET PER MINUTE
-E	EXHAUST
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EAT	ENTERING AIR TEMPERATURE
EBB	ELECTRIC BASEBOARD
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FC	FLEXIBLE CONNECTOR (OR CONNECTION)
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FS	FEET PER MINUTE
FS	FILL SYSTEM
HP	HORSEPOWER
LAT	LEAVING AIR TEMPERATURE
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MOCp	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR OPERATED DAMPER
NIC	NOT IN CONTRACT
NK	NECK
NTS	NOT TO SCALE
PC	PLUMBING CONTRACTOR
SP	STATIC PRESSURE
SS	STAINLESS STEEL
SST	SATURATED SUCTION TEMPERATURE
T	THERMOSTAT
-T	TRANSFER
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TSP	TOTAL STATIC PRESSURE
VD	VOLUME DAMPER
WC	WATER COLUMN
WL	WALL LOUVER



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**MECHANICAL
SYMBOLS, NOTES,
AND ABBREVIATIONS**

SCALE

SHEET NUMBER

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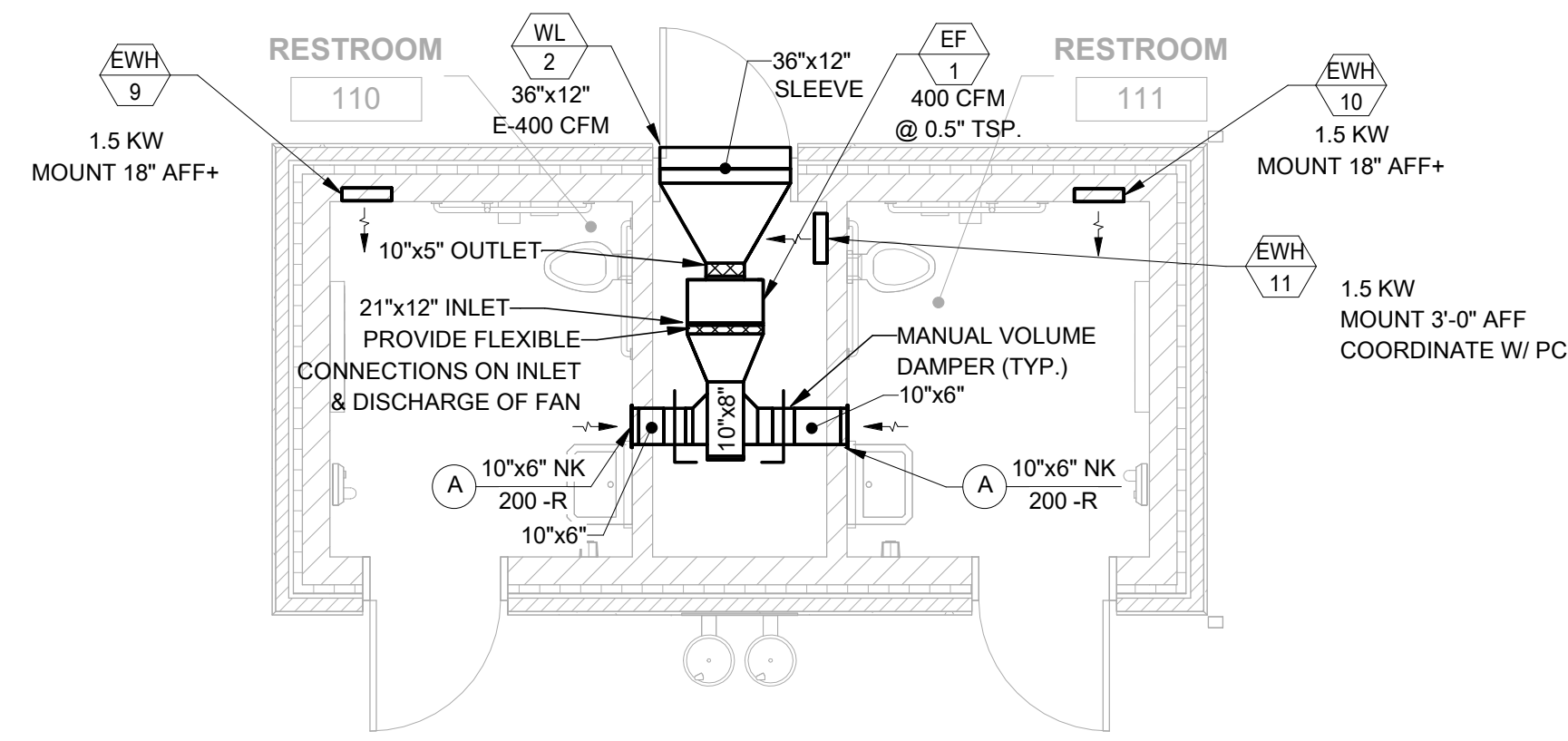
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MECHANICAL NEW WORK PLAN

SCALE

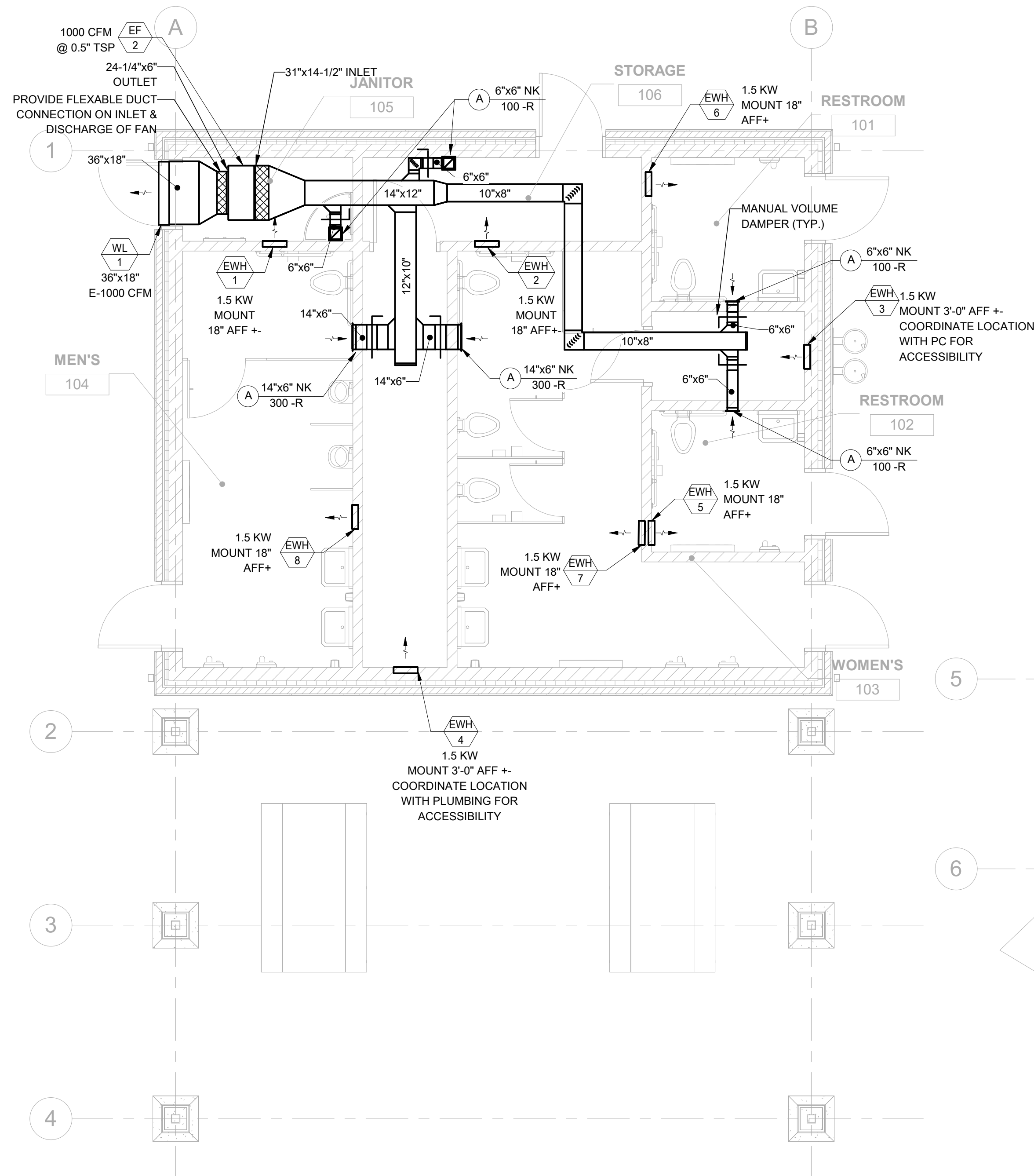
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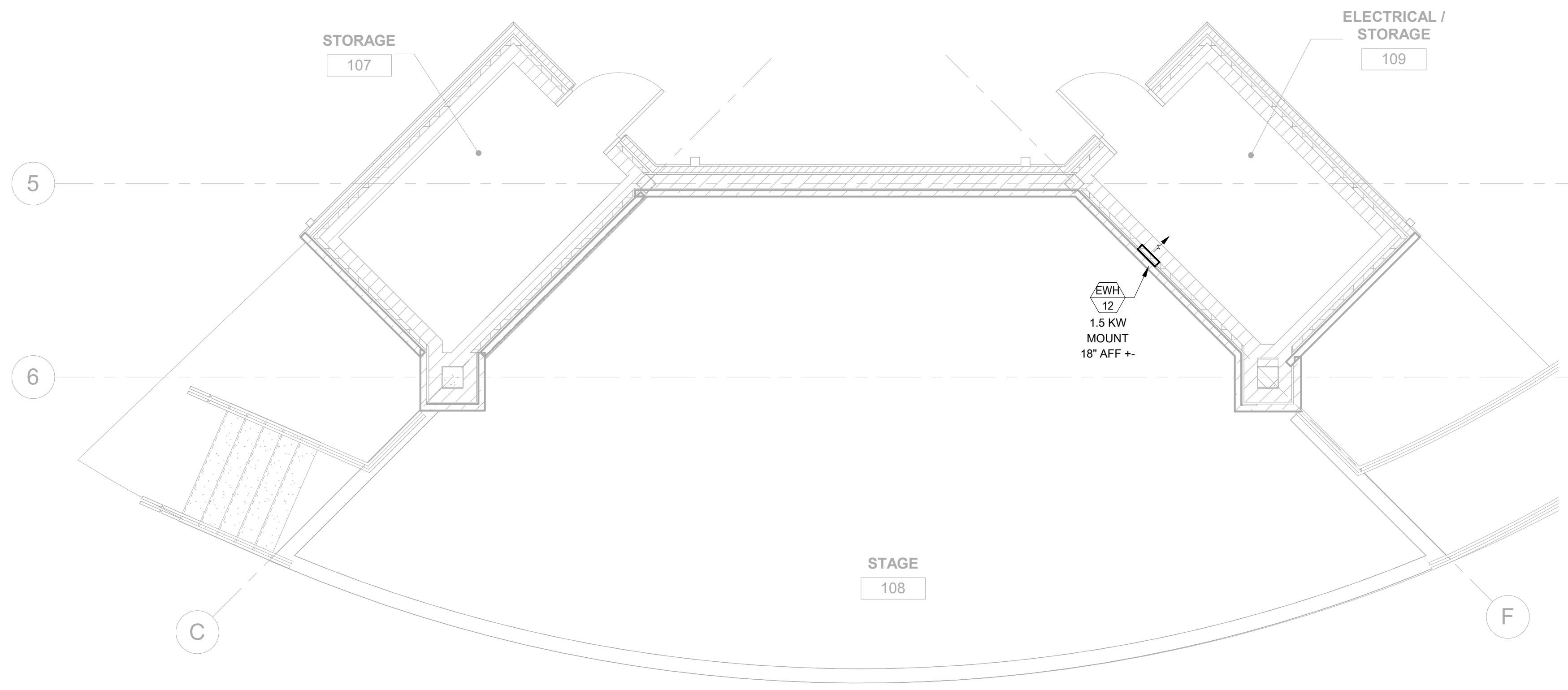
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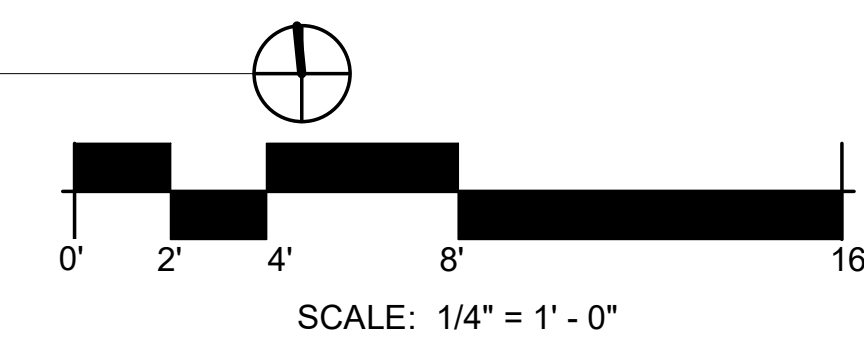
D1 MECHANICAL NEW WORK PLAN - TOILET
SCALE: 1/4" = 1'-0"



A1 MECHANICAL NEW WORK PLAN - SHELTER
SCALE: 1/4" = 1'-0"



A3 MECHANICAL NEW WORK PLAN - BANDSHELL
SCALE: 1/4" = 1'-0"





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MECHANICAL DETAILS AND SCHEDULES

SCALE

SHEET NUMBER

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ELECTRIC WALL HEATER SCHEDULE (EWH) - ALGONQUIN TOWNE PARK

EQUIP. TAG	GENERAL INFORMATION										PERFORMANCE			ELECTRICAL			NOTES
	ABB.	NO.	AREA SERVED	MFR	MODEL	TYPE	MOUNTING HEIGHT	DIMENSIONS (INCHES)			ELECT.			VOLTS	HZ	PHASE	
								L	W	H	WATTS	AMPS	CAPACITY (KW)				
EWH 1			SHELTER BUILDING JANITOR 105	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	5 - 1.5	240	60	1	SEE BELOW
EWH 2			SHELTER BUILDING JANITOR 105	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 3			SHELTER BUILDING WET WALL	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 4			SHELTER BUILDING WET WALL	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 5			SHELTER BUILDING RESTROOM 102	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 6			SHELTER BUILDING RESTROOM 101	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 7			SHELTER BUILDING WOMENS 103	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 8			SHELTER BUILDING MENS 104	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 9			RESTROOM 110	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 10			RESTROOM 111	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 11			RESTROOM WET WALL	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW
EWH 12			STAGE BUILDING ELECTRICAL ROOM	KING ELECTRIC	LPWV2415	RECESSED	REFER TO PLANS	13.68	4	23.81	500-750-1000-1500	2.1-6.3	1.25 - 1.5	240	60	1	SEE BELOW

NOTES:

- GRILLE TO BE WHITE
- FACTORY INSTALLED TAMPERPROOF THERMOSTAT
- CIRCUIT BREAKER / DISCONNECT 20 AMP
- RECESSED WALL CAN
- THERMAL OVERLOAD/FAN DELAY SWITCH
- ULUS APPROVAL
- 3/16" PLATE STEEL GRILLE
- FAN / HEAT/ OFF SWITCH
- 5 YEAR WARRANTY

EXHAUST FAN SCHEDULE (EF) - ALGONQUIN TOWNE PARK

EQUIP. TAG	ABB.	NO.	AREA SERVED	LOCATION	MFR	SERIES	MODEL	TYPE	ARRANGEMENT	DRIVE	SHUTTER SIZE (IN.)	PERFORMANCE				MOTOR				NOTES	
												CFM	SP (IN. WC)	SONE	BHP	RPM	HP	VOLTS	HZ		PHASE
EF 1			TOILET BUILDING	WET WALL	LOREN COOK	GEMINI	GNVF-700	INLINE BLOWER	CEILING MOUNTED	DIRECT	DISCHARGE BACKDRAFT DAMPER	400	0.5	4	67 WATTS	1314	4.4 AMPS	115	60	1	SEE BELOW
EF 2			SHELTER BUILDING JANITOR 105	WET WALL	LOREN COOK	GEMINI	GNVF-900	INLINE BLOWER	CEILING MOUNTED	DIRECT	DISCHARGE BACKDRAFT DAMPER	1,000	0.5	3.5	164 WATTS	1038	6.6 AMPS	115	60	1	SEE BELOW

NOTES:

- FAN MOUNTED SPEED CONTROL (ECM MOTOR)
- NEMA 3 WEATHERPROOF DISCONNECT SWITCH
- ON / OFF CONTROL TIME CLOCK PROVIDED AND INSTALLED BY EC
- SPRING VIBRATION ISOLATORS

WALL LOUVERS (WL) - ALGONQUIN TOWNE PARK

EQUIP. TAG	ABB.	NO.	SERVICE	BUILDING SERVED	LOCATION	MFR	MODEL	FRAME TYPE	DEPTH (IN)	WIDTH (IN)	HEIGHT (IN)	PERFORMANCE				NOTES
												AIRFLOW (CFM)	FREE AREA (SF)	FACE VELOCITY (FPM)	MAX APD (IN.WC.)	
WL 1			EXHAUST AIR	SHELTER	JANITOR 105	RUSKIN	ELF81S30	CHANNEL	4"	36	18	1,000	1.95	512.82	0.03	SEE BELOW
WL 2			EXHAUST AIR	TOILET	WET WALL	RUSKIN	ELF81S30	CHANNEL	4"	36	12	400	1.15	347.82	0.03	SEE BELOW

NOTES:

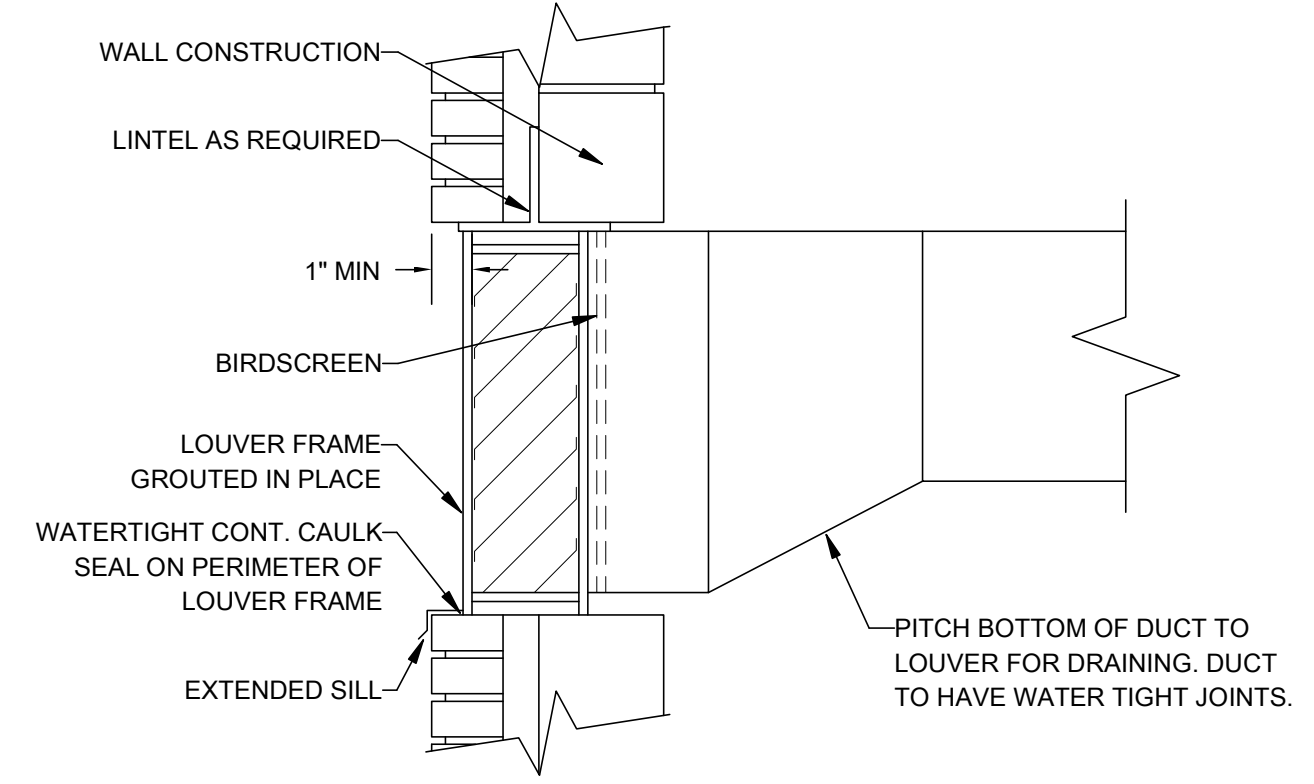
- ALUMINUM BIRDSCREEN.
- STANDARD COLOR SELECTED BY ARCHITECT.
- NON-DRAINABLE BLADES
- LOUVER TO HAVE A MINIMUM OF 53% FREE AREA

GRILLES, REGISTERS, AND DIFFUSERS (GRD) - ALGONQUIN TOWNE PARK

EQUIP. TAG	MFR	MODEL	TYPE	SERVICE	MATERIAL	MOUNTING	SIZE	MAX. NC	NOTES
A	TITUS	350FL	LOUVERED EXHAUST GRILLE	EXHAUST	ALUMINUM	WALL / SURFACE	REFER TO PLANS	30	SEE BELOW

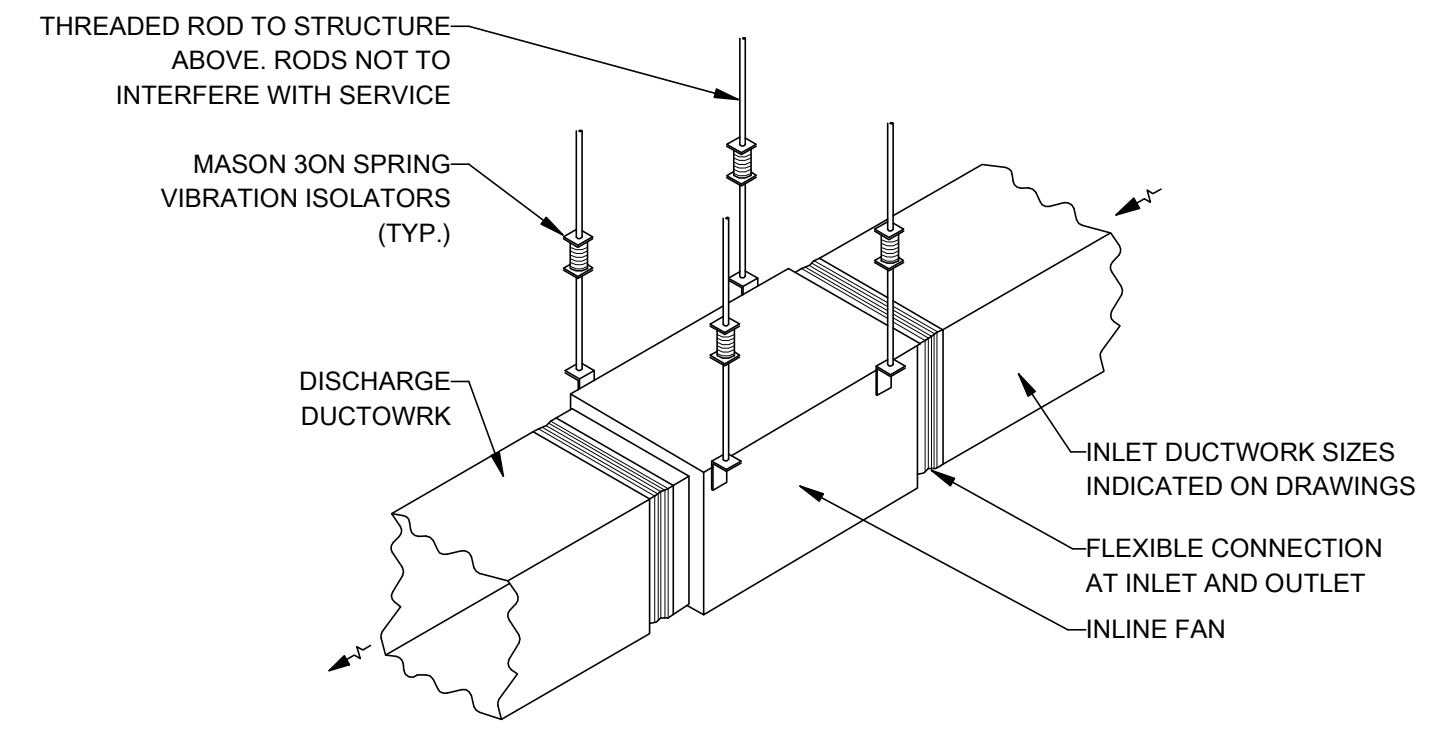
NOTES:

- COLOR AND FINISH SHALL BE APPLIANCE WHITE
- SURFACE MOUNTED FLANGED FRAME WITH SCREW FASTENING.
- 3/4" BLADE SPACING, 35 DEGREE DEFLECTION.



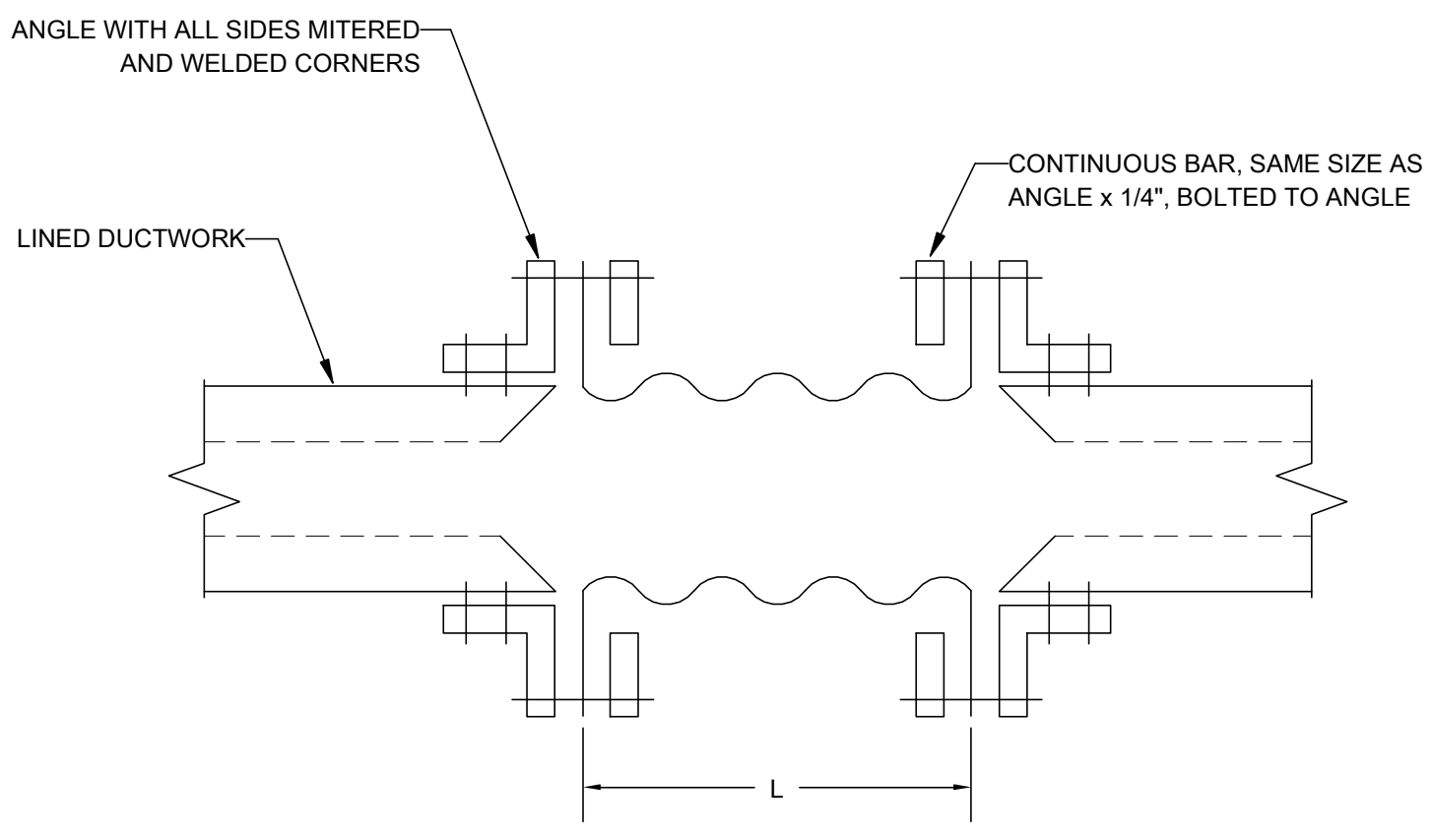
1 DUCT CONNECTION TO WALL LOUVER

SCALE: NOT TO SCALE



2 INLINE EXHAUST FAN DETAIL (SQUARE)

SCALE: NOT TO SCALE



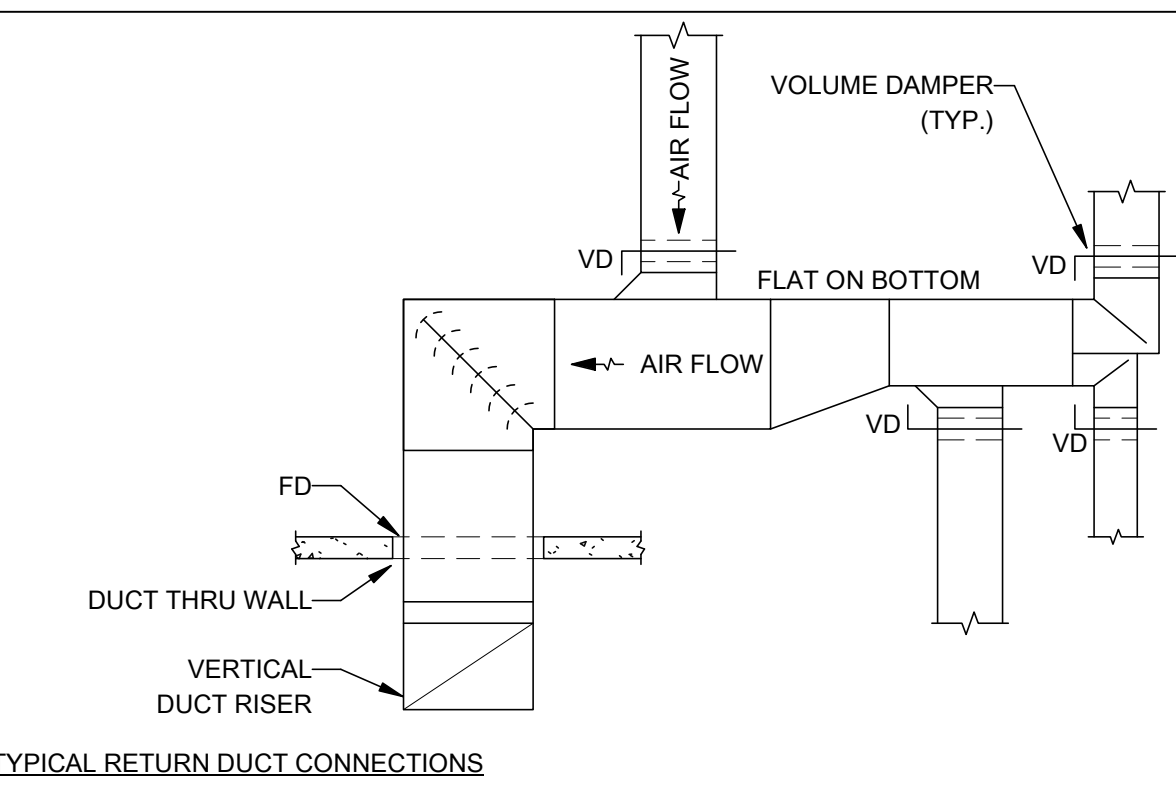
INSTALLATION REQUIREMENTS		
S.P. OF FAN	MIN. SLACK	MIN. "L"
UP TO 2"	1-1/4"	4"

NOTES:

- PROVIDE FLEXIBLE CONNECTION TO ISOLATE ALL DUCTS FROM ALL FANS AND FAN ENCLOSURES TO PREVENT TRANSMISSION OF VIBRATION THROUGH DUCTWORK AND STRUCTURE.

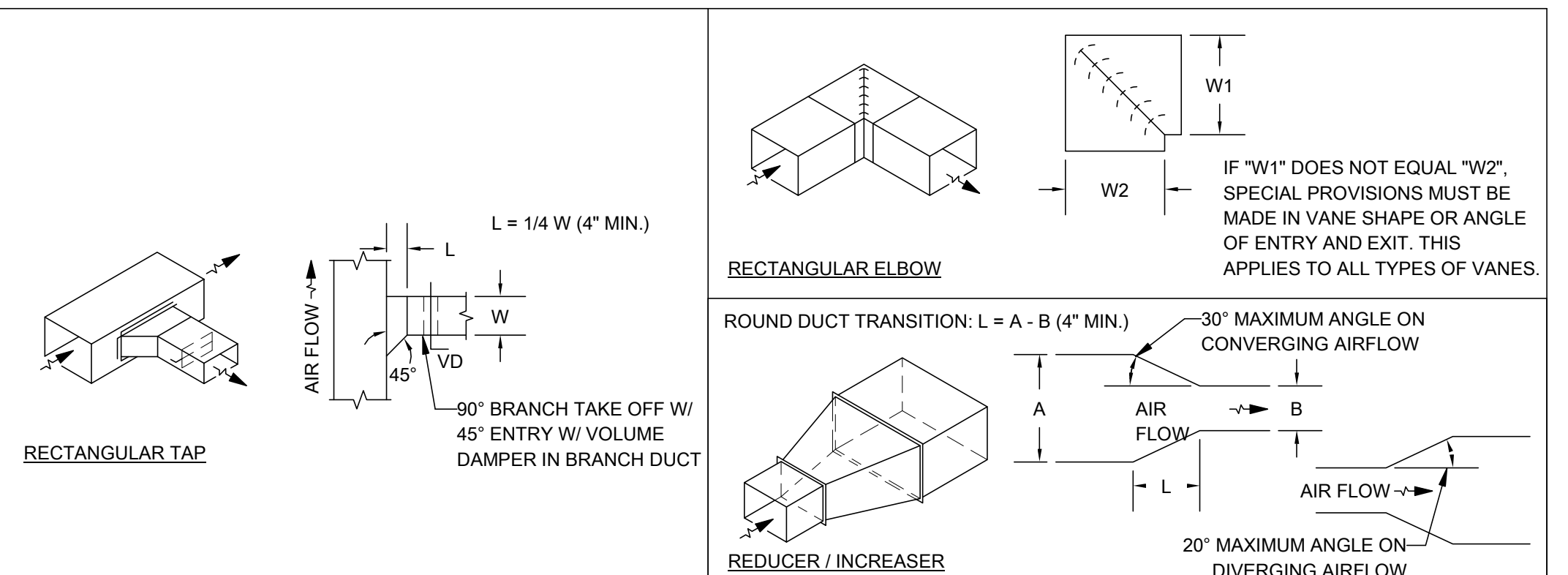
3 FLEXIBLE CONNECTION

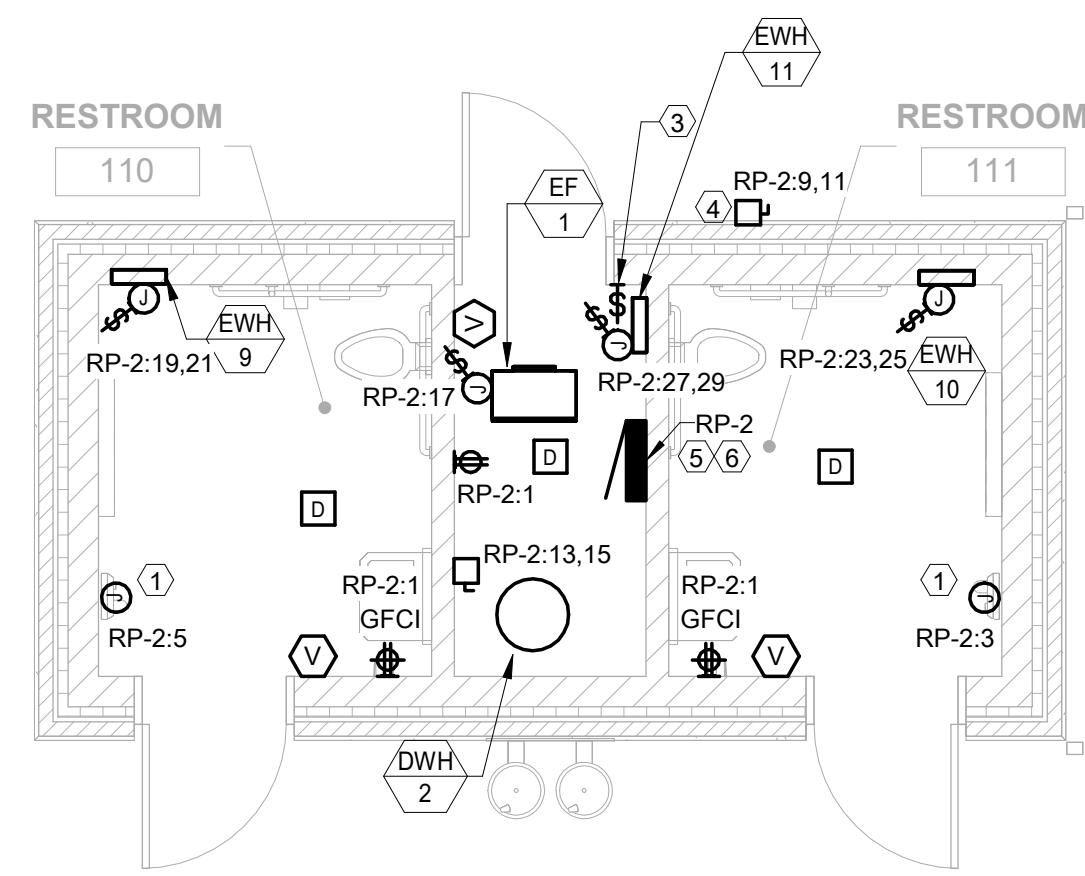
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4 TYPICAL DUCT CONSTRUCTION DETAILS

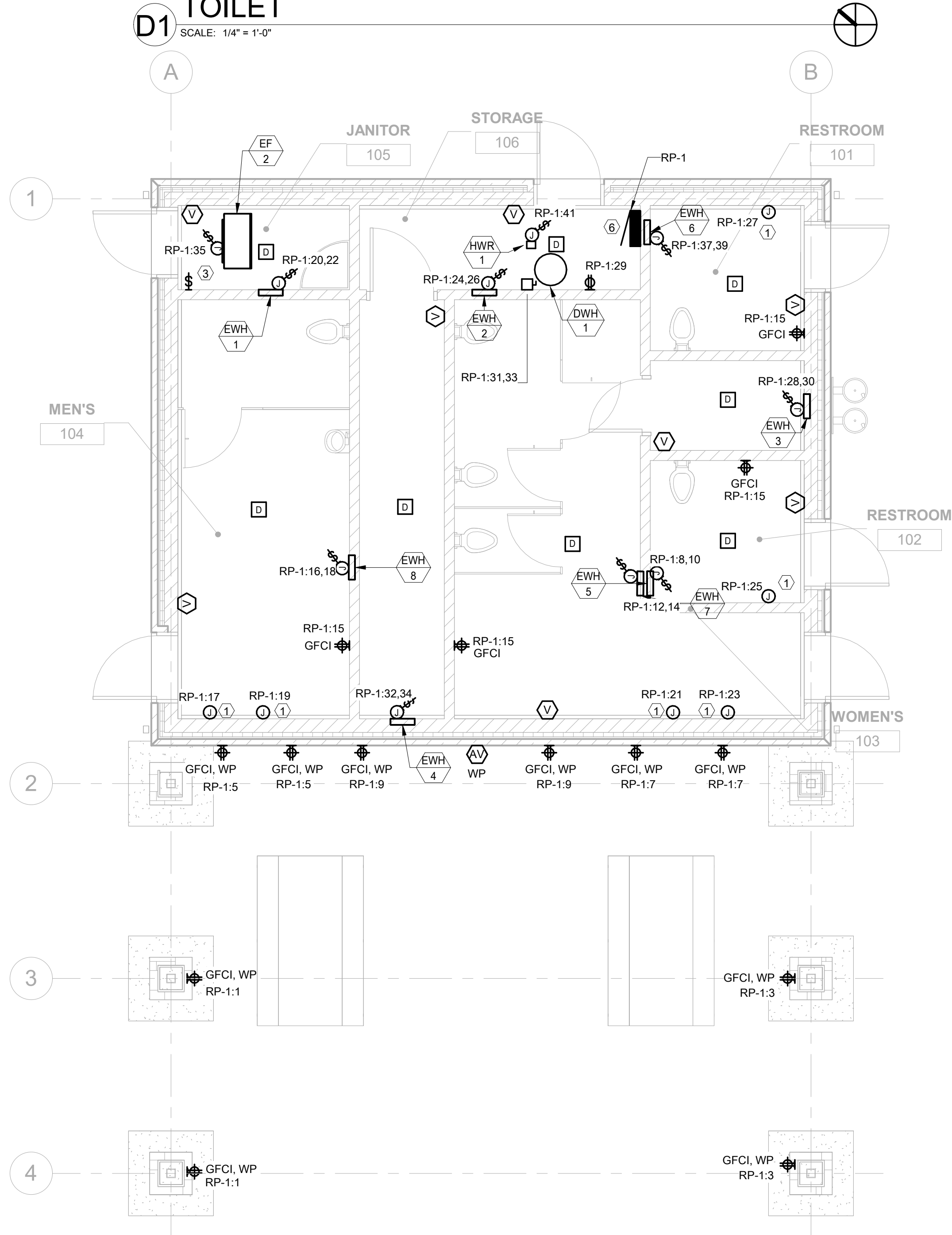
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ELECTRICAL POWER NEW WORK PLAN - TOILET

D1 SCALE: 1/4" = 1'-0"



ELECTRICAL POWER NEW WORK PLAN - SHELTER

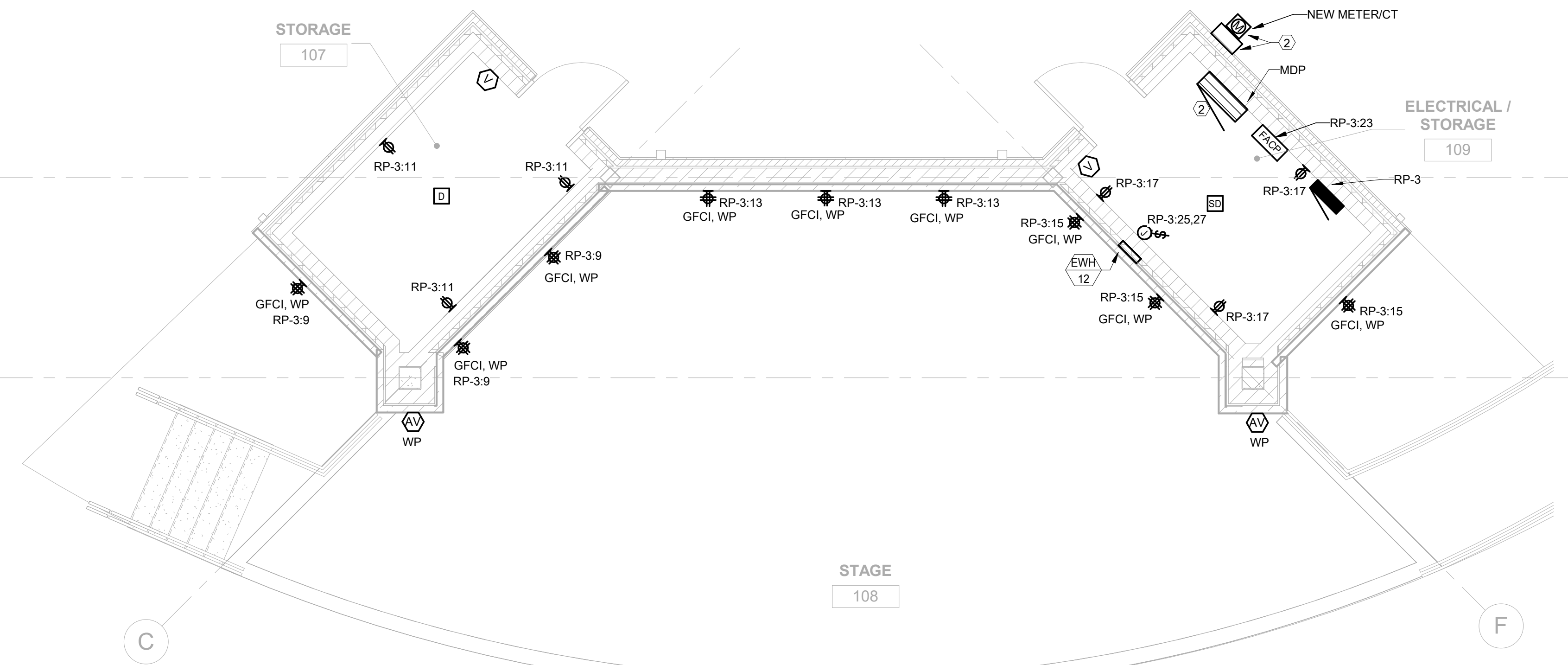
A1 SCALE: 1/4" = 1'-0"

GENERAL ELECTRICAL NEW WORK SHEET NOTES

- A. ALL ELECTRICAL OUTLETS IN BANDSHELL STORAGE ROOMS SHALL BE MOUNTED AT MIN 38" AFF. FINAL LOCATIONS TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.

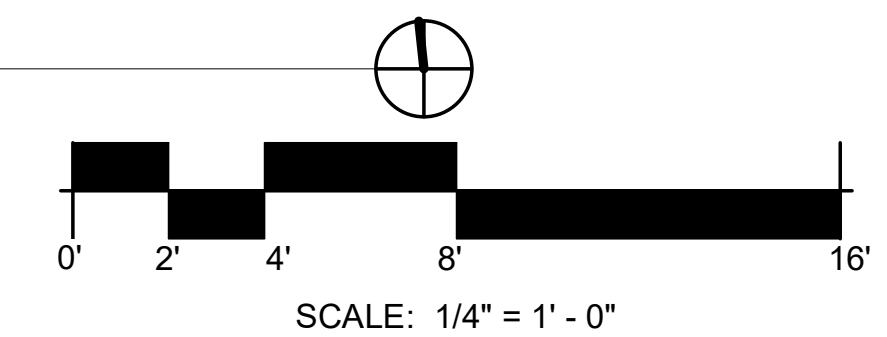
KEYED ELECTRICAL NEW WORK SHEET NOTES

1. PROVIDE 120V HARDWIRED POWER FOR WALL MOUNTED HAND DRYER. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.
2. EQUIPMENT NOTED FOR REFERENCE ONLY AND PART OF THE SITE PLAN SCOPE OF WORK. REFER TO SERIES 'E1' FOR SITE PLAN SCOPE OF WORK AND INFORMATION ON EQUIPMENT.
3. TIMELOCK FOR EXHAUST FAN. REFERENCE EQUIPMENT SCHEDULE FOR INFORMATION.
4. FURNISH AND INSTALL 30A/2P, NEMA 3R, NON-FUSED DISCONNECT FOR SANITARY PUMP. COORDINATE ALL REQUIREMENTS FOR PUMP WITH OWNER PRIOR TO INSTALLATION.
5. FURNISH AND INSTALL UNISTRUT AS REQUIRED TO RUN PLUMBING PIPING BEHIND ELECTRICAL PANELBOARD. CONTRACTOR TO NOT RUN PIPING ABOVE THE PANEL AND TO MAINTAIN 3 FOOT CLEARANCE IN FRONT OF ELECTRICAL PANEL.
6. FURNISH AND INSTALL 3/4" BY 10' LONG GROUND ROD FOR NEW ELECTRICAL PANEL. BOND GROUND ROD WITH #6 GROUND WIRE TO PANELBOARD.



ELECTRICAL POWER NEW WORK PLAN - BANDSHELL

A3 SCALE: 1/4" = 1'-0"



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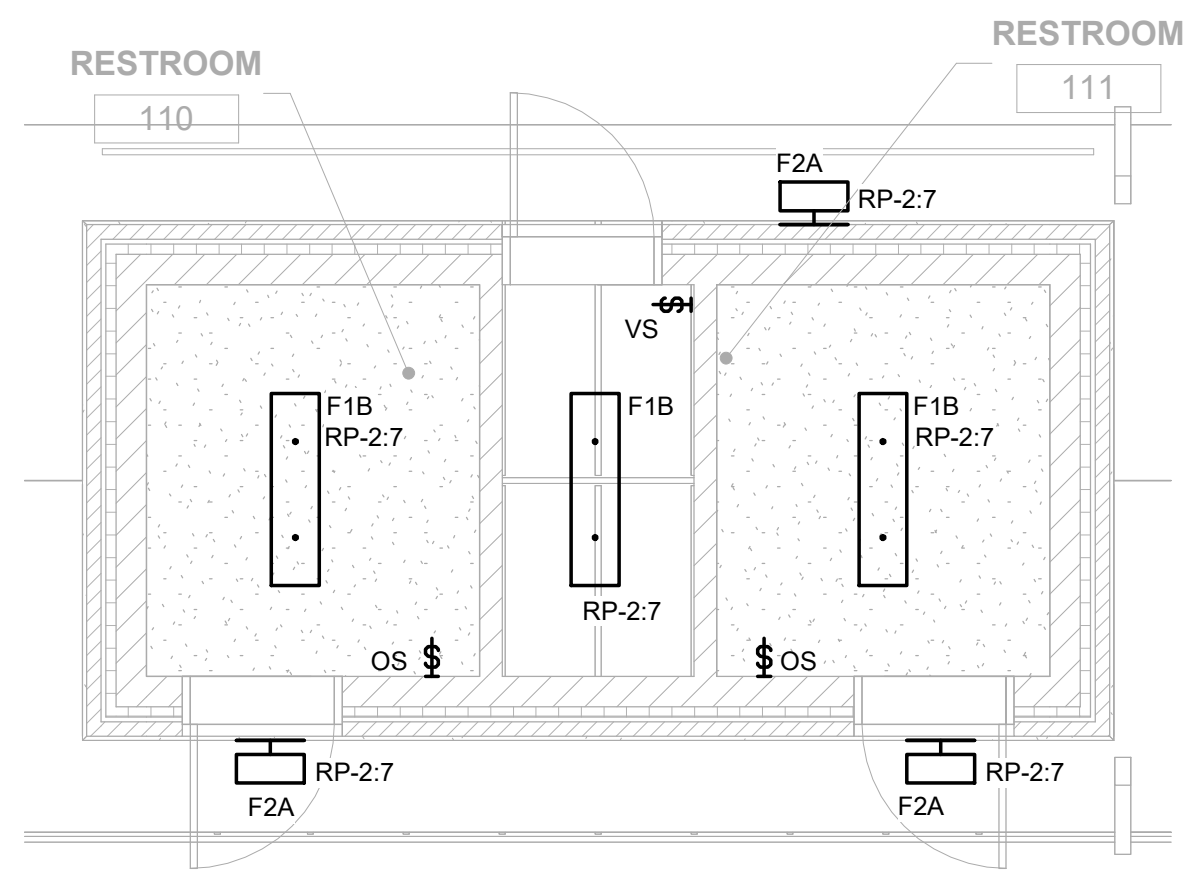
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ELECTRICAL POWER NEW WORK PLAN

SCALE

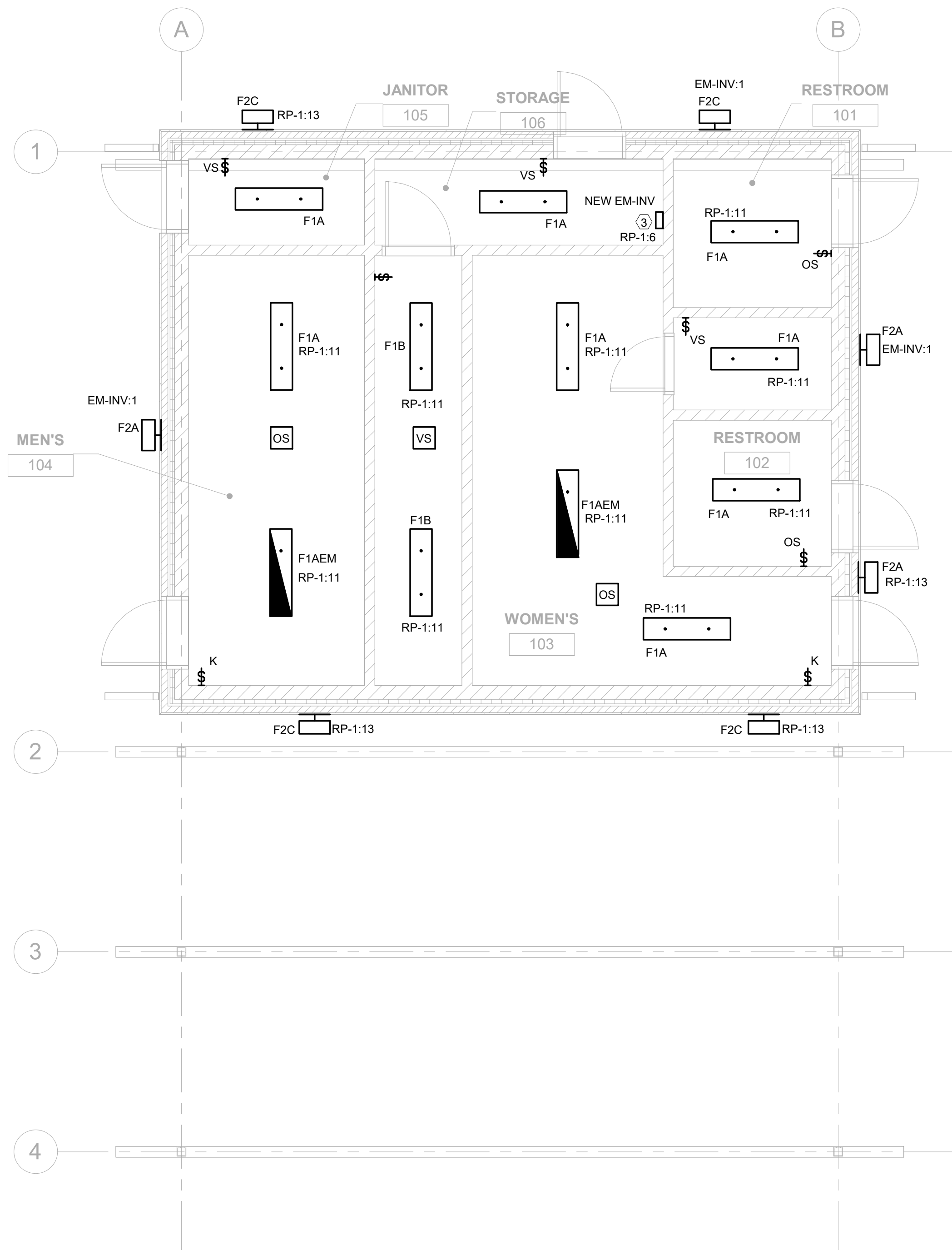
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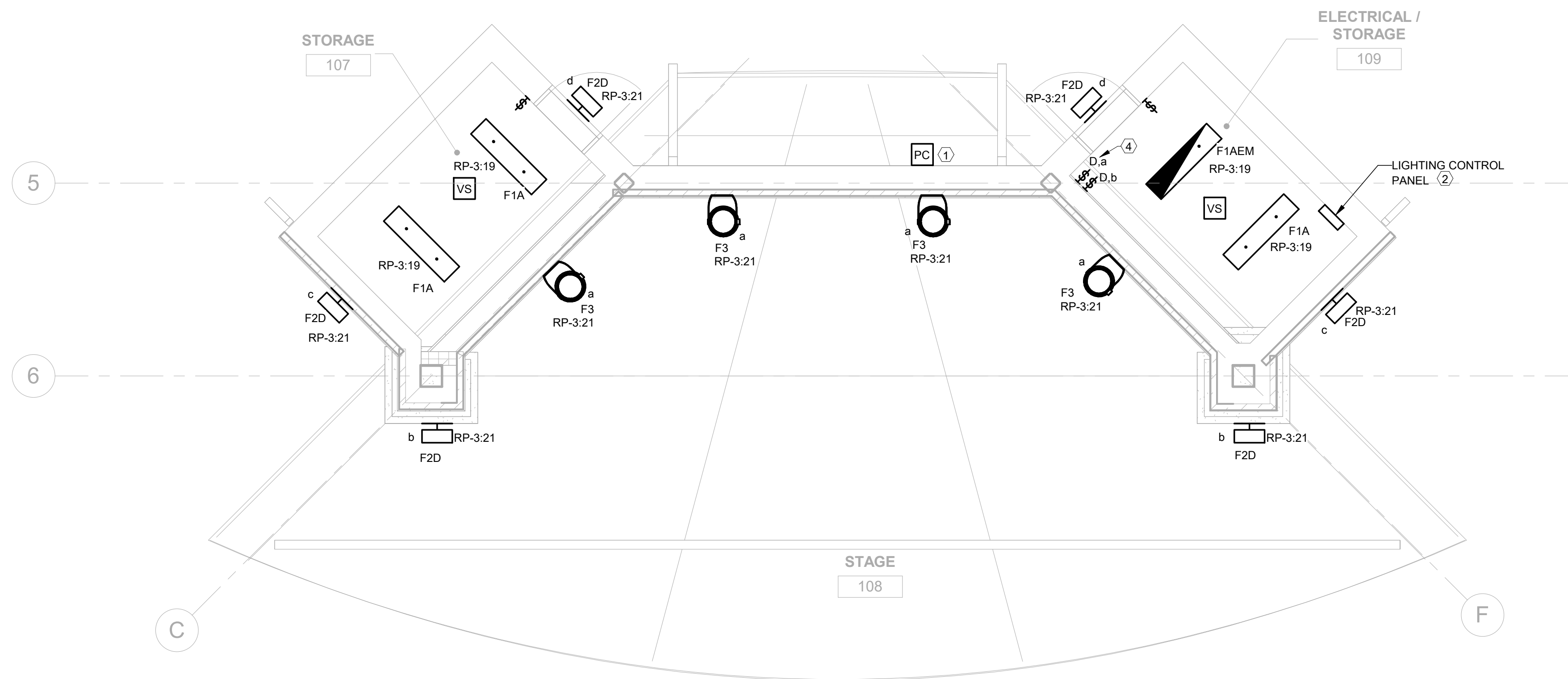


D1 ELECTRICAL LIGHTING NEW WORK PLAN - TOILET
SCALE: 1/4" = 1'-0"

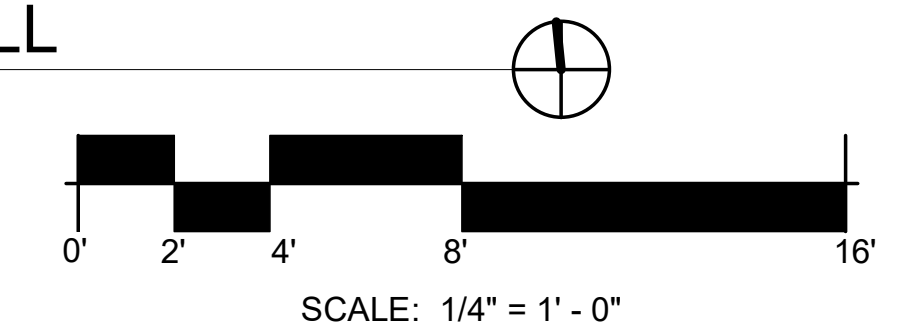


A1 ELECTRICAL LIGHTING NEW WORK PLAN - SHELTER
SCALE: 1/4" = 1'-0"

- ### KEYED ELECTRICAL NEW WORK SHEET NOTES
- FURNISH AND INSTALL NEW PHOTOCELL FOR CONTROL OF SITE WALKWAY LIGHTING. REFER TO LIGHTING CONTROL DETAILS FOR PHOTOCELL INFORMATION. REFER TO SITE LIGHTING PLANS FOR ADDITIONAL INFORMATION ON SITE LIGHTING FIXTURES.
 - FURNISH AND INSTALL LIGHTING CONTROL PANEL FOR TIMECLOCK AND EXTERIOR CONTROLS OF LIGHTING INTERIOR AND EXTERIOR LIGHTING FIXTURES. REFER TO LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS FOR ADDITIONAL INFORMATION.
 - FURNISH AND INSTALL NEW LIGHTING INVERTER, TYPE SI-125 BY ASSURANCE EMERGENCY LIGHTING. INVERTER TO BE CIRCUITED TO PANEL INDICATED AND TO SUPPORT OUTDOOR FIXTURES AS NOTED WITH "EM-INV".
 - FURNISH AND INSTALL TOUCHSCREEN FOR CONTROL OF OUTDOOR RGBW FIXTURES IN ZONE 'a'. REFERENCE LIGHTING CONTROL DETAIL AND SCHEDULE FOR ADDITIONAL INFORMATION.



A3 ELECTRICAL LIGHTING NEW WORK PLAN - BANDSHELL
SCALE: 1/4" = 1'-0"



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SHEET TITLE
ELECTRICAL LIGHTING NEW WORK PLAN

SCALE

SHEET NUMBER

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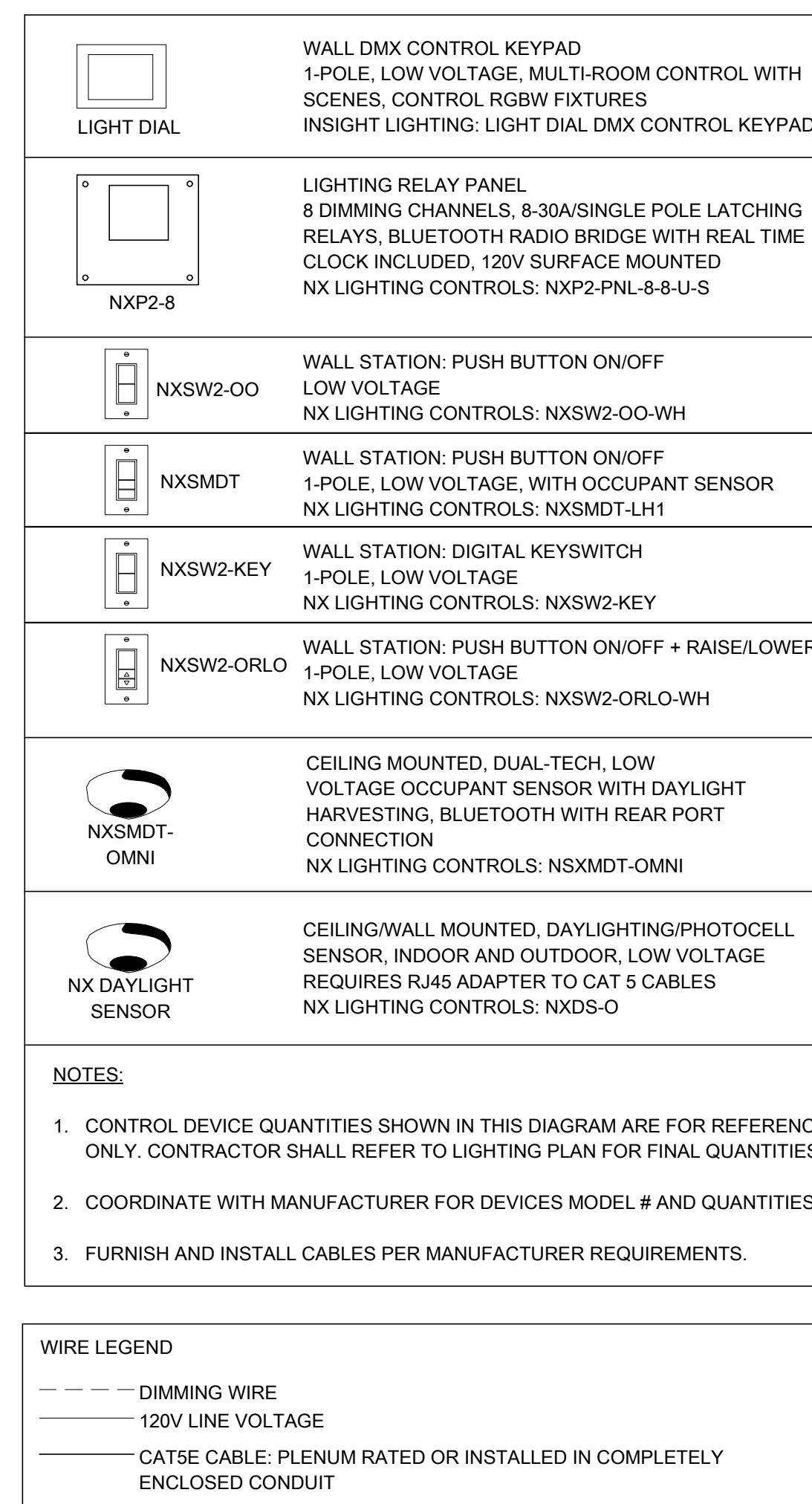
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ELECTRICAL DETAILS

SCALE

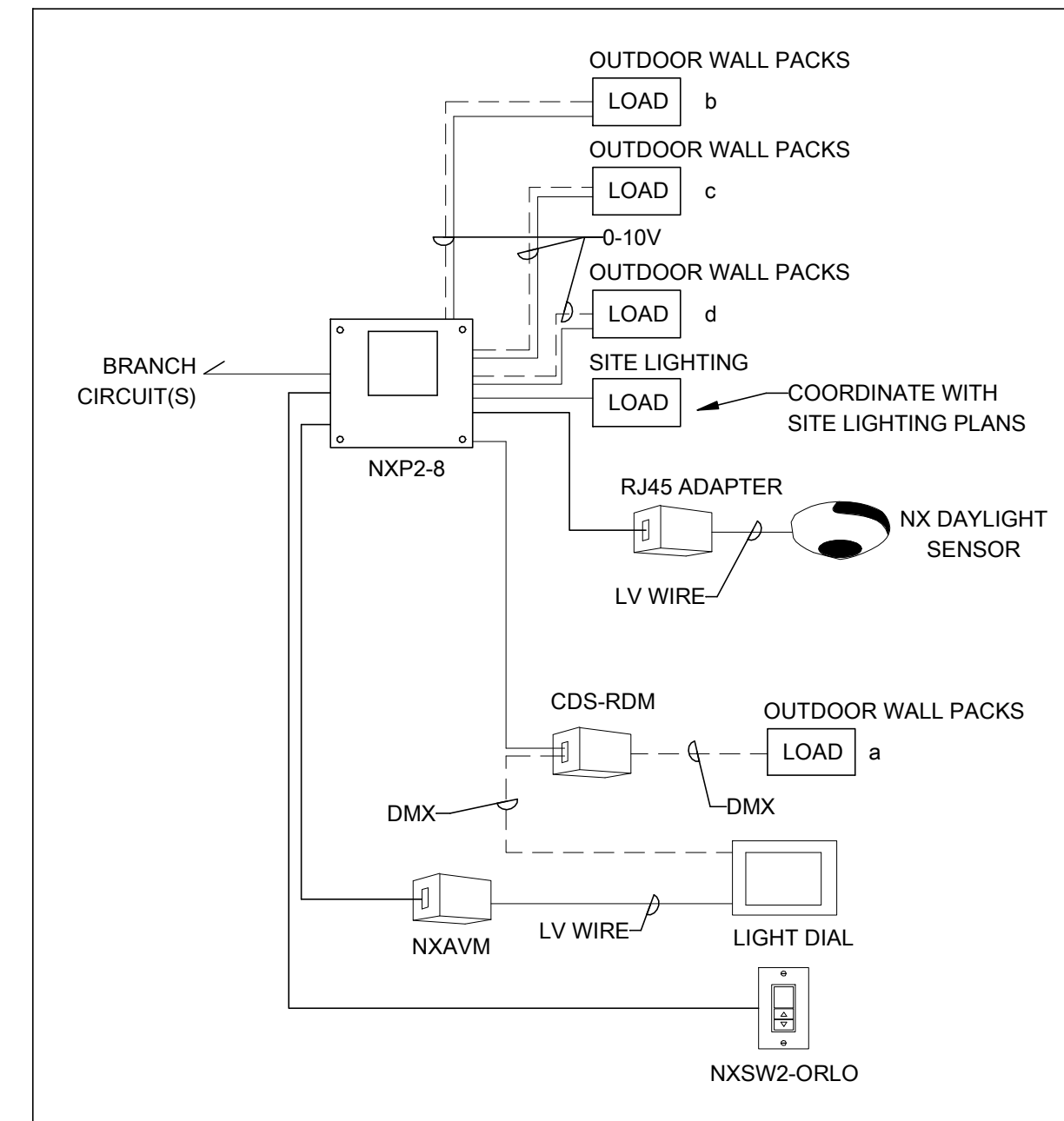
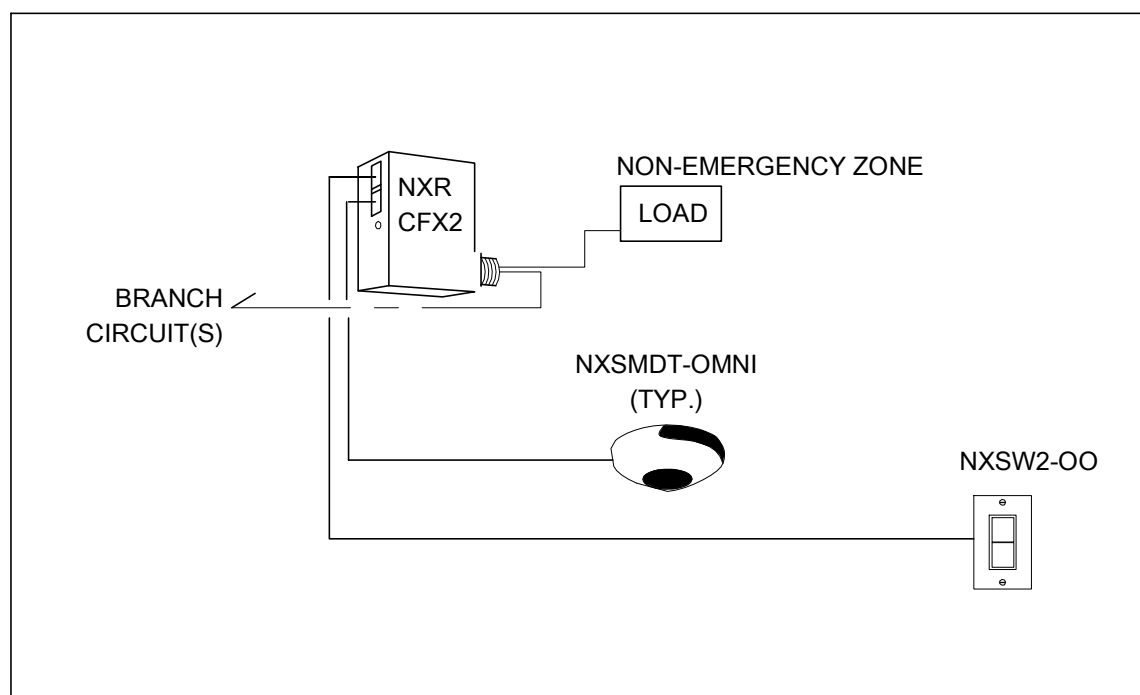
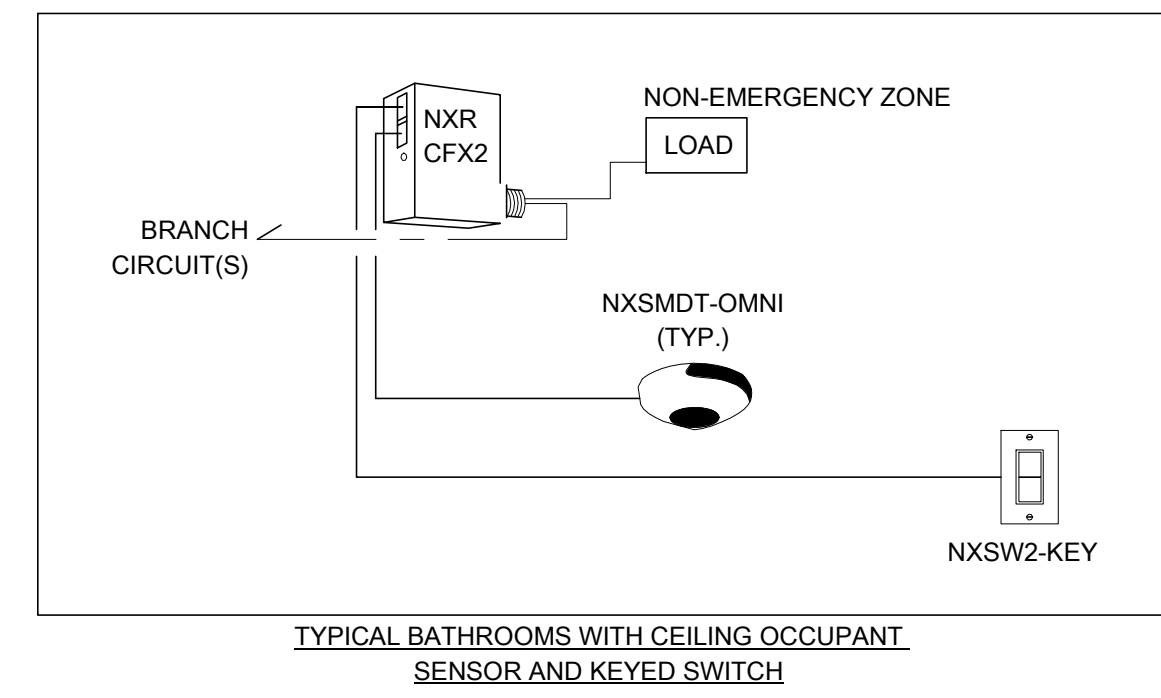
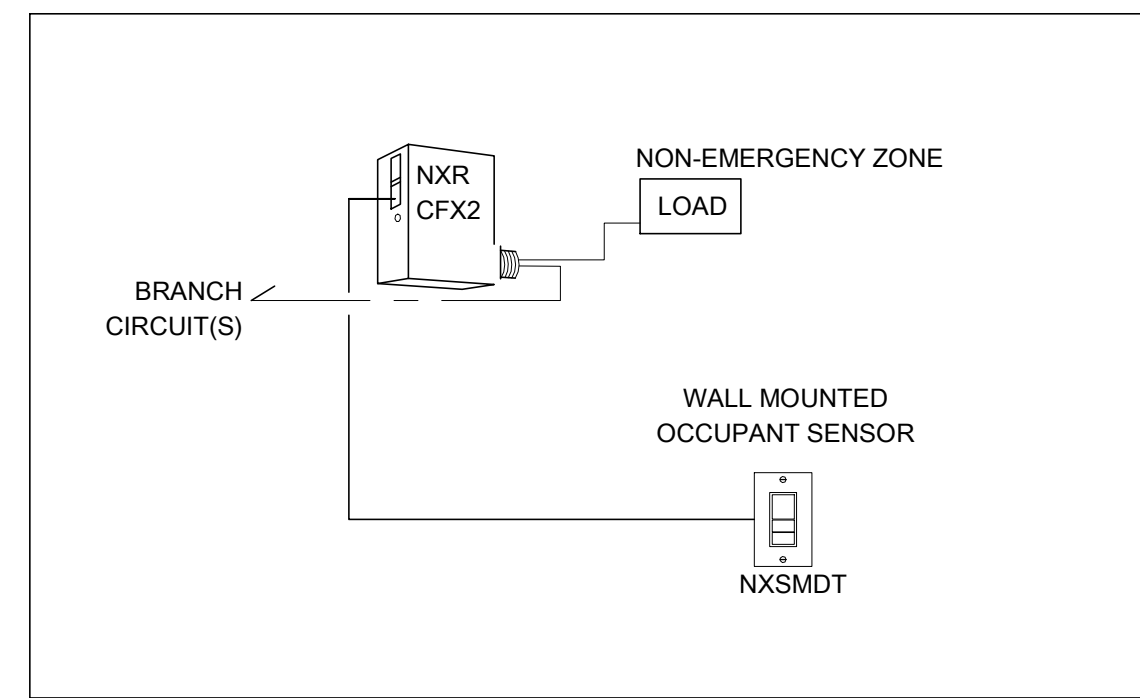
SHEET NUMBER

E-402



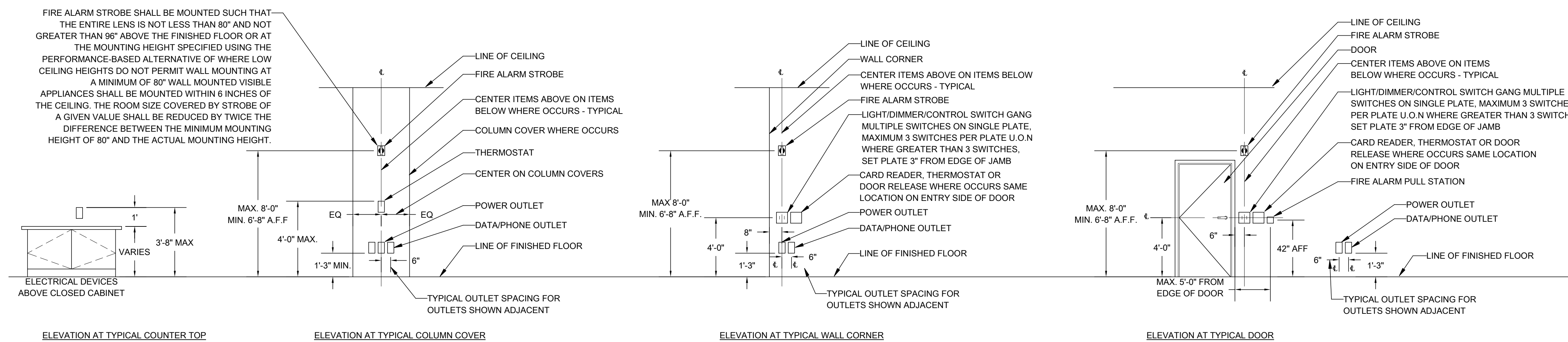
LIGHTING CONTROL GENERAL NOTES:

- OCCUPANT SENSOR, DAYLIGHT SENSOR, AND SWITCH QUANTITIES: PROVIDE QUANTITIES OF NOTED DEVICES AS SHOWN ON FLOOR PLANS, BUT NO LESS THAN ONE OF EACH DEVICE INDICATED ON THE WIRING DIAGRAMS. LIGHTING CONTROLS VENDOR MUST PROVIDE ALL ADDITIONAL APPARATUS AND DEVICES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM AS NOTED ON THIS SHEET, ON THE DRAWING SET, AND AS REQUIRED IN THE PROJECT SPECIFICATION BOOK.
- LIGHTING VENDOR TO CONFIRM QUANTITIES AND TYPE OF RELAY POWER PACKS REQUIRED MEET PROJECT SPECIFICATIONS AND DESIGN DRAWINGS. ALL LAYOUTS SHOW MINIMUM NUMBER OF DEVICES AND MUST BE EXPANDED TO APPLY TO EACH SPACE WITHIN PROJECT.



1 LIGHTING CONTROLS - NX DETAIL

SCALE: NOT TO SCALE



NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR ADA ROOM HEIGHT REQUIREMENTS
- NOT ALL ABOVE DEVICES AND DIMENSIONS MAY BE USED OR APPEAR IN THE DESIGN DRAWINGS.
- ALL ABOVE HEIGHT DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION AND ARCHITECT

2 ELECTRICAL AND FIRE ALARM MOUNTING HEIGHT DETAIL

SCALE: NOT TO SCALE

- M. FINAL CONNECTIONS TO MOVABLE DEVICES, OR DEVICES THAT MAY TRANSMIT VIBRATION SHALL BE MADE THROUGH FLEXIBLE METALLIC CONDUIT OR LIQUID-TIGHT FLEXIBLE CONDUIT. (MOTORS, TRANSFORMERS, DUCT MOUNTED DEVICES, ETC.)
- N. ENDS OF ALL METALLIC CONDUITS SHALL BE EQUIPPED WITH INSULATED GROUNDING BUSHINGS FOR DEDICATED CONDUITS SERVING GROUNDING CONDUCTORS. ALL METALLIC CONDUIT SERVING FEEDERS AND BRANCH CIRCUITS SHALL BE EQUIPPED WITH INSULATED ANTI-SHORT FITTINGS AT ENDS. ENDS OF ALL CONDUITS SHALL BE TEMPORARILY CAPPED PRIOR TO INSTALLATION AND DURING CONSTRUCTION TO EXCLUDE FOREIGN MATERIAL. UPON THE COMPLETION OF CONSTRUCTION THE OPEN END OF CONDUITS OR SLEEVES SHALL BE SEALED WATERTIGHT.
- O. EACH LIGHT, RECEPTACLE OR OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OR NOT LESS THAN NO. 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCK NUTS AND BUSHINGS. ALL UNUSED BOX KNOCKOUTS MUST BE LEFT SEALED. THERE MUST BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS, AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
- P. WHERE FLOOR FITTINGS REQUIRE PENETRATION OF THE FLOOR SLAB, THERE SHALL BE A STANDARD DEVICE LISTED BY UL FOR THE PURPOSE AND HAVE A UL FIRE RATING EQUAL TO THE FLOOR RATING. ALL CORE SIZES AND LOCATIONS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL AND SUBMISSION TO STRUCTURAL ENGINEER PRIOR TO CORING. THE ELECTRICAL CONTRACTOR MUST PROVIDE FLOOR X-RAY SERVICES TO DETECT AND AVOID EXISTING EMBEDDED SYSTEMS PRIOR TO CORING.
- Q. ALL CONDUIT RUNS SHALL BE INSTALLED ABOVE AND OVER TOP OF ALL NEW DUCTWORK, PIPING, CONDUITS, PULL BOXES, ETC. WITH PROVISION FOR ALL NECESSARY ACCESSIBLE PULL BOXES. CONDUIT MAY NOT EXCEED CODE ALLOWED NUMBER OF BENDS.
- R. CONDUIT RUNS OR PULL BOXES SHALL NOT BLOCK OR PREVENT FULL ACCESS OR OPERATION OF HVAC EQUIPMENT, ACCESS DOORS, PIPING VALVES, JUNCTION BOXES, MAIN RETURN AIR DUCTS, PULL BOXES, CLEAN OUTS, ETC.
- S. FLEXIBLE METAL CONDUIT SHALL NOT BE LONGER THAN 6'0" LONG.

XV. WIRE AND WIRING METHOD

- A. ALL CONDUCTORS SHALL BE COPPER IN SIZES AS SHOWN OR REQUIRED BY LOADS SERVED. ALL CABLE SHALL BE 600VOLT INSULATION RATED AT 75 DEGREES C. WITH TERMINATIONS AND LOADS SERVED RATED AT 75 DEGREES C. INDOOR DRY LOCATIONS SHALL BE TYPE "THHN" AND WET LOCATIONS (EXPOSED, BELOW THE SLAB, AND BELOW GRADE) SHALL BE TYPE "XHHW".
- B. A SEPARATE NEUTRAL CONDUCTOR AND GREEN GROUND WIRE SHALL BE INSTALLED FOR EACH FEEDER AND BRANCH CIRCUIT.
- C. EACH BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL WIRE. A SHARED NEUTRAL IS NOT ALLOWED.
- D. MINIMUM SIZE CONDUCTOR SHALL BE #12 EXCEPT FOR CONTROL, FIRE ALARM AND SIGNAL CABLES. CONDUCTORS AND ASSOCIATED RACEWAYS SHALL BE INCREASED FOR VOLTAGE DROP COMPENSATION AS CALCULATED ACCORDING TO ELECTRICAL CODE REQUIREMENTS.
- E. THE E.C. SHALL FURNISH AND INSTALL LUG KITS TO MATCH THE CABLE SIZES AS SHOWN ON THE DRAWINGS. TYPICAL FOR ALL ELECTRICAL AND MECHANICAL EQUIPMENT. ANY AND ALL REQUIRED LUG KITS SHALL BE INCLUDED IN THE BASE BID. CABLE SIZE REDUCING PINS SHALL NOT BE AN ACCEPTABLE ALTERNATIVE TO LUG KITS.
- F. REMOVE ALL UNUSED AND ABANDONED WIRING, INCLUDING LOW VOLTAGE, COMPLETELY BACK TO SOURCE.
- G. ALL COMMUNICATION CABLING INSTALLED IN PLENUM AIR SPACES SHALL BE IN CONDUIT, WITHOUT ANY EXCEPTIONS.
- H. ALL PLENUM AIR SPACES AREA SHALL BE IN CONDUIT WITH PLENUM RATED BOX.
- I. E.C SHALL PROVIDE ALL FEEDER & BRANCH CIRCUITS SIZED BASED ON VOLTAGE DROP REQUIRED PER LOCAL CODE.
- J. CONDUCTOR SPLICING
 - 1. SPLICING WIRES SHALL BE DONE ONLY IN ACCESSIBLE OUTLET JUNCTION OR PULL BOXES.
 - 2. SPLICES SHALL BE MADE STRICTLY IN ACCORDANCE WITH THE INSTRUCTIONS OF THE CABLE MANUFACTURER USING THE METHODS AND MATERIALS RECOMMENDED BY HIM.
 - 3. FOR #10 AND #12 WIRE SPLICES SHALL BE MADE WITH SCOTCH-LOK CONNECTORS.
 - 4. WIRE #6 AND LARGER SHALL BE CONNECTED WITH BURNDY OR EQUAL SOLDERLESS MECHANICAL LUG AND PAINTED WITH INSULATING VARNISH.
 - 5. ALL CONNECTIONS SHALL BE PROPERLY TAPED WITH SCOTCH ELECTRICAL TAPE #22, #33 OR APPROVED EQUAL.
 - 6. ALL GROUND SPLICES AND GROUND CONNECTIONS TO DEVICES WITHIN METALLIC BOXES SHALL BE BONDED TO BOX USING APPROPRIATELY SIZED PIGTAIL CONNECTIONS OR OTHER UL APPROVED BONDING METHOD.

XVI. GROUNDING AND BONDING

- A. EQUIPMENT GROUNDING CONDUCTORS SHALL BE UL 83 INSULATED STRANDED COPPER, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. INSULATION COLOR SHALL BE CONTINUOUS GREEN FOR ALL EQUIPMENT GROUNDING CONDUCTORS. BONDING CONDUCTORS SHALL BE ASTM B8 BARE STRANDED COPPER, EXCEPT THAT SIZES NO. 10 AWG AND SMALLER SHALL BE ASTM B1 SOLID BARE COPPER WIRE. CONDUCTOR SIZES SHALL NOT BE LESS THAN WHAT IS SHOWN ON THE DRAWINGS AND NOT LESS THAN REQUIRED BY THE NEC, WHICHEVER IS GREATER. A GROUND CONDUCTOR SHALL BE INSTALLED IN EVERY RACEWAY AND BONDED TO ALL BOXES AND ENCLOSURES EXCEPT FOR THE SERVICE LATERALS. THE GROUND CONDUCTOR SHALL BE BONDED IN EVERY ENCLOSURE.
- B. FURNISH AND INSTALL PIGTAILED AND BOND THE JUNCTION BOX, WHEREVER CIRCUIT CONDUCTORS ARE SPLICED IN A JUNCTION BOX.
- C. FURNISH AND INSTALL THE BONDING OF THE WATER PIPE SYSTEM AT THE WATER HEATER. THE WATER HEATER SHALL BE JUMPERED BETWEEN THE COLD AND HOT WATER PIPES WITH A JUMPER SIZED ACCORDING TO NEC TABLE 250.66, PER NEC 250.104(A)(1); PER NEC 250.104(B). SEE ALSO NEC 250.53(D)(1).

XVIII. DISCONNECT SWITCHES

- A. ALL FUSED (FD) AND NON-FUSED (NF) DISCONNECTS SHALL BE SQUARE D COMPANY OR APPROVED EQUAL. 3-POLE HEAVY DUTY TYPE ONLY. ALL UNITS INSTALLED OUTDOORS SHALL BE RATED WEATHERPROOF NEMA 3R. MANUFACTURERS: SCHNEIDER SQUARE D, EATON, GENERAL ELECTRIC, SIEMENS, OR APPROVED EQUAL.

XX. PANELBOARDS

- A. PROVIDE PANELBOARDS WITH ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, MARKED FOR INTENDED LOCATION AND APPLICATION AND THAT COMPLY WITH NEMA PB 1.
- B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PANELBOARDS BY:
 - 1. SQUARE D
 - 2. SIEMENS
 - 3. GENERAL ELECTRIC
 - 4. EATON
 - 5. APPROVED EQUAL

- C. SURFACE MOUNTED (AS SHOWN IN PLAN), DEAD-FRONT CABINETS RATED FOR ENVIRONMENTAL CONDITIONS AT INSTALLED LOCATION.
- D. PANELBOARD TRIM AND FRONT COVER SHALL BE HINGED DOOR-IN-DOOR SYLE.
- E. INDOOR DRY AND CLEAN LOCATIONS: NEMA 250, TYPE 1). PROVIDE GALVANIZED STEEL CABINETS TO HOUSE PANELBOARDS FLUSH AND SURFACE-MOUNTED, DEAD-FRONT CABINETS.
- F. FACTORY FINISHED WITH MANUFACTURER'S STANDARD TWO-COAT, BAKED-ON FINISH.
- G. PROVIDE DIRECTORY CARD WITH TRANSPARENT COVER PERMANENTLY MOUNT ON INSIDE OF DOORS.
- H. PHASE, NEUTRAL, AND GROUND BUSES AND BARS SHALL BE TINNED COPPER MATERIAL AND BUS SHALL BE FULLY RATED THE ENTIRE LENGTH OF ENCLOSURE. PROVIDE FULL-SIZED NEUTRAL WITH FULL-CAPACITY BONDING STRAP FOR SERVICE ENTRANCE APPLICATIONS. MAIN AND NEUTRAL LUGS SHALL BE MECHANICAL TYPE, WITH A LUG ON THE NEUTRAL BAR FOR EACH POLE IN THE PANELBOARD AND WITH A LUG ON THE GROUND BAR FOR EACH POLE IN THE PANELBOARD.
- I. PANELBOARDS SHALL BE STANDARD MANUFACTURED PRODUCTS. ALL COMPONENTS WITHIN ONE ASSEMBLY SHALL BE OF THE SAME MANUFACTURER. ALL PANELBOARDS SHALL BE DEAD FRONT TYPE. ALL PANELBOARDS SHALL BE COMPLETELY FACTORY ASSEMBLED WITH MOLDED CASE CIRCUIT BREAKERS AND ARRANGED SO THAT IT WILL BE POSSIBLE TO SUBSTITUTE A 2-POLE BREAKER FOR TWO SINGLE POLE BREAKERS, AND A 3-POLE BREAKER FOR THREE SINGLE POLE BREAKERS, WHEN TRIP IS 30 AMPS OR LESS AND FRAME SIZE IS 100 AMPERES OR LESS, WITHOUT HAVING TO DRILL AND TAP THE MAIN BUS BARS AT BUS STRAPS. CIRCUIT BREAKERS SHALL BE BOLT-ON CONNECTED TO THE PANELBOARD, MINIMUM INTERRUPTING CAPACITY SHALL BE 14,000 AIC FOR 277/480 VOLT CIRCUIT BREAKERS AND 10,000 AIC FOR 120/208 VOLT CIRCUIT BREAKERS. PLUG-IN CIRCUIT BREAKERS ARE NOT APPROVED.
- J. PANELBOARD FAULT WITHSTAND RATING SHALL BE INCREASED BY THE ELECTRICAL CONTRACTOR AS A RESULT OF SHORT-CIRCUIT STUDY RESULTS AT NO ADDITIONAL COST TO PROJECT.
- K. ALL NEW CIRCUIT BREAKERS FOR THE EXISTING PANELBOARDS SHALL BE COMPATIBLE WITH THE EXISTING EQUIPMENT. AIC RATINGS SHALL MATCH THE ORIGINAL EQUIPMENT AIC RATINGS.
- L. CIRCUIT BREAKERS SERVING HAND DRYERS AND WATER COOLERS SHALL BE GFCI TYPE, WHERE APPLICABLE.
- M. PROVIDE A TYPEWRITTEN DIRECTORY OF ALL CIRCUITS IN THE PANELBOARD.

XXII. WIRING DEVICES

- A. LIST OF APPROVED MANUFACTURERS SHALL BE THE FOLLOWING OR AS OTHERWISE NOTED ON DESIGN DRAWINGS:
 - 1. POWER DEVICES:
 - a. LEVITON
 - b. HUBBELL
 - c. LEGRAND
 - 2. LIGHTING DEVICES:
 - a. AS NOTED ON DRAWINGS
- B. TAMPER RESISTANT, GFCI, ARC-FAULT, WEATHER RESISTANT, USB, AND OTHER SPECIALTY TYPE RECEPTACLES SHALL BE PROVIDED WHERE REQUIRED BY CODE AND THE CONSTRUCTION DOCUMENTS.
- C. DUPLEX RECEPTACLES SHALL BE SINGLE PHASE, 20 AMPERE, 120 VOLTS, 2-POLE, 3-WIRE, AND CONFORM TO STANDARD NEMA WD 1 HEAVY DUTY TYPE. THE UNGROUNDED POLE OF EACH RECEPTACLE SHALL BE PROVIDED WITH A SEPARATE TERMINAL. ALL OUTDOOR RECEPTACLES SHALL HAVE METALLIC LOCKABLE WHILE IN USE COVERS. COLOR SHALL BE SELECTED BY ARCHITECT.
- D. GROUND FAULT INTERRUPTER DUPLEX RECEPTACLES SHALL BE AN INTEGRAL UNIT SUITABLE FOR MOUNTING IN A STANDARD OUTLET BOX. GROUND FAULT INTERRUPTERS SHALL BE PREMIUM GRADE AND CONSIST OF A DIFFERENTIAL CURRENT TRANSFORMER, SOLID STATE SENSING CIRCUITRY AND A CIRCUIT INTERRUPTER SWITCH. IT SHALL BE RATED FOR OPERATION ON A 60 HZ, 120 VOLT, 20-AMPERE BRANCH CIRCUIT. DEVICES SHALL MEET UL 943.
- E. TOGGLE SWITCHES SHALL BE SINGLE UNIT TOGGLE, BUTT CONTACT, QUIET AC TYPE, HEAVY_DUTY GENERAL-PURPOSE USE WITH AN INTEGRAL SELF GROUNDING MOUNTING STRAP, LISTED BY UNDERWRITERS LABORATORIES, INC., AND MEET THE REQUIREMENTS OF NEMA WD 1, HEAVY_DUTY AND UL 20 RATED FOR 20 AMPERES AT 120-277 VOLTS AC.
- F. WIRING DEVICES SHALL BE PROVIDED AS FOLLOWS OR EQUAL, UNLESS NOTED OTHERWISE:
 - 1. DUPLEX RECEPTACLE - LEVITON # BR20.
 - 2. GFCI RECEPTACLE - LEVITON # N7599-HG
 - 3. SINGLE POLE SWITCH - LEVITON # 1221.
 - 4. ALL OUTDOOR RECEPTACLES SHALL HAVE IN-USE COVERS AS MANUFACTURED BY TAYMAC OR APPROVED EQUAL.
- G. WALL PLATES FOR SWITCHES AND RECEPTACLES SHALL BE TYPE 302 BRUSHED STAINLESS STEEL IN PUBLIC AREAS AND GALVANIZED STEEL IN MAINTENANCE AREAS. ALL DEVICES MOUNTED EXPOSED TO WEATHER SHALL BE MOUNTED IN CAST ALUMINUM ENCLOSURES THAT ARE NEMA RATED 3R OR 4. WIRE DEVICES MANUFACTURERS LEVITON, HUBBELL OR APPROVED EQUAL.
- H. REFER TO ARCHITECTURAL AND THEATER DRAWINGS FOR ELECTRICAL WIRING DEVICE MOUNTING AND ELEVATION FINAL INFORMATION.
- I. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ENGINEER/OWNER FOR EXACT LOCATION OF LIGHT SWITCHES. STANDARD MOUNTING LOCATION SHALL BE ON DOOR LOCK STILE SIDE, MOUNTED AT A CONSISTENT HEIGHT FROM FLOOR, AND MOUNTED A CONSISTENT DISTANCE FROM DOOR JAMB.

XXIII. LIGHTING FIXTURES

- A. LIGHT FIXTURES SHALL BE PROVIDED AS SPECIFIED ON DRAWINGS. ALL FIXTURES SHALL BE MOUNTED IN PLACE, PROPERLY WIRED, TESTED AND LEFT READY FOR OPERATION BY THE ELECTRICAL CONTRACTOR.
- B. HANGING DEVICES, BRACKETS, ENCLOSURES AND OTHER ACCESSORIES SHALL BE PROVIDED FOR A COMPLETE INSTALLATION AND SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
- C. LIGHT FIXTURES SHALL BE AIRCRAFT CABLE OR ROD SUPPORTED FROM THE STRUCTURE.
- D. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 3/8 INCH MINIMUM.
- E. THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE BEFORE ORDERING LIGHTING FIXTURES WITH ARCHITECTURAL DETAILS TO CONFIRM PROPER MOUNTING.
- F. FOR EXACT LOCATION OF LIGHTING FIXTURES REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS. WHERE CONFLICTS EXIST BETWEEN ARCHITECTURAL AND ELECTRICAL DRAWINGS, COORDINATE WITH ARCHITECT IN FIELD PRIOR TO ROUGH-IN.

XXIV. FIRE ALARM SYSTEM

- A. ELECTRICAL CONTRACTOR TO HIRE A LICENSED FIRE ALARM CONTRACTOR TO DESIGN AND INSTALL ALL FIRE ALARM DEVICES IN ACCORDANCE WITH THE LOCAL FIRE CODE AND NFPA 72 AS REQUIRED. THIS LICENSED INDIVIDUAL SHALL BE CERTIFIED BY THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY (NICET). THE FIRE ALARM SYSTEM SHALL COMPLY WITH REQUIREMENTS FOR THE OCCUPANCY AND BUILDING TYPE AS STATED ON THE ARCHITECTURAL DRAWINGS.
- B. THE FIRE ALARM CONTACTOR / DESIGNER SHALL SUBMIT PLANS TO THE LOCAL FIRE DEPARTMENT AND THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PERFORMING ANY FIRE ALARM SYSTEM WORK. UPON COMPLETION OF THE INSTALLATION, A LICENSED INDIVIDUAL WITH SPECIFIC AUTHORITY GIVEN BY LOCAL.
- C. FIRE DEPARTMENT SHALL PERFORM AN ON-SITE INSPECTION AND CERTIFY IN WRITING THAT THE INSTALLATION MEETS THE STANDARDS PROVIDED BY LAW AND IS IN COMPLIANCE WITH THE PLANS OF THE LICENSED FIRE ALARM PLANNING SUPERINTENDENT.
- D. PROVIDE NOTIFICATION APPLIANCE CONTROL PANEL (NAC) AS REQUIRED FOR NEW FIRE ALARM NOTIFICATION DEVICES. FURNISH AND INSTALL NEW FIRE ALARM CABLE TO CONNECT TO NEW FACP. FURNISH AND INSTALL A 120V 20A DEDICATED POWER CONNECTION FROM THE NEAREST PANELBOARD. PROVIDE A SMOKE DETECTOR ABOVE THE NAC PANEL.
- E. ALL NEW INITIATION DEVICES SHALL BE ADDRESSABLE TYPE ONLY.
- F. EACH DEVICE SHALL BE PROGRAMMED WITH DEDICATED ADDRESS.
- G. ALL VISUAL DEVICES SHALL BE SYNCHRONIZED.
- H. ALL FIRE ALARM DEVICES AND BOXES SHALL BE RED IN COLOR.
- I. IF LOCAL CODE ALLOWED THEN INSTALL ALL FIRE ALARM CABLE IN FREE AIR ABOVE THE ACCESSIBLE CEILING. OTHERWISE, COMPLETE CONDUIT SYSTEM SHALL BE INSTALLED
- J. FURNISH AND INSTALL NEW NOTIFICATION APPLIANCE CIRCUIT PANEL WITH BATTERY BACKUP AS REQUIRED
- K. FURNISH AND INSTALL 120V DEDICATED POWER TO NOTIFICATION APPLIANCE CIRCUIT PANEL, AMPLIFIER PANEL, FACP, AND FAAP FROM THE NEAREST EMERGENCY PANELBOARD.



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ISSUED FOR BID

REVISIONS

No	Date	Issue
	05/07/24	ISSUE FOR CONSTRUCTION
	03/08/24	REVISED
No.	Date	Issue

CHECKED BY BT DRAWN BY MR

SHEET TITLE

ELECTRICAL SPECIFICATIONS

SCALE

SHEET NUMBER

E-502