

**PARKS, RECREATION,
& NATURAL
RESOURCES
COMMITTEE**

Thursday, June 18, 2020

6:30 PM

McFarland Municipal Center
Community Room

AGENDA

You are invited to this meeting through a Zoom webinar. The Public is strongly encouraged to watch and participate in these meetings remotely through either the webinar or telephone options listed below.

PLEASE CLICK THE LINK BELOW TO JOIN THE ZOOM WEBINAR:

<https://us02web.zoom.us/j/84850405871>

Or by Telephone:

+1 (312) 626-6799

Webinar ID: 848 5040 5871

1. CALL TO ORDER, ROLL CALL.
2. PUBLIC APPEARANCES.
3. APPROVAL OF MINUTES.
 - a. Discussion and action regarding the minutes from the meeting of the Parks, Recreation, & Natural Resources Committee held on May 28, 2020.
4. BUSINESS.
 - a. Discussion and recommendation to the Village Board on a site plan application by the McFarland Soccer Club for the addition of a fundraising brick patio around the existing outdoor patio at the soccer building located at William McFarland Park.
 - b. Update and discussion regarding Parks Master Planning at William McFarland Park and the future Community Park.
 - c. Update and discussion regarding the planning project to develop a special needs park.
 - d. Discussion and update regarding the bid openings for the construction of park facilities at the Dog Park (new shelter) and McDaniel Park (concession addition/bathroom renovation, open air shelter).
 - e. Discussion and action to set final schedule for bid opening and award of contract for park facility projects.

- f. Discussion and action to make a recommendation to the Village Board regarding the creation of a Vegetation Management Use Policy as Chapter 3 of the Park System Policy Manual
 - g. Presentation of the Parks Superintendent monthly report
5. SCHEDULE NEXT MEETING DATE.
- a. Thursday July 23, 2020 at 6:30 p.m.
6. ADJOURNMENT.

This meeting notice constitutes an official meeting of the above referenced group and was posted in accordance with all applicable laws related to Open Meetings Law. It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals. For additional information or to request this service, contact the McFarland Municipal Center at (608) 838-3153 or cassandra.suettinger@mcfarland.wi.us.

Parks, Recreation, and Natural Resources Committee

Meeting Minutes (DRAFT)

May 28, 2020

1. CALL TO ORDER, ROLL CALL. Meeting was called to order at 6:30 p.m. via Zoom by Village Trustee and Chair Carolyn Clow. Roll call: Clow, Clair Utter, John Feldner, Sarah Kuba, David Wilson, Darrell Waldera, Katharine Pease, Andy Jakubowski. Absent: Rick Ruecking, Chuck Rolfsmeyer.

Staff present: Matt Schuenke, Village Administrator; Jim Hessling, Public Works Director; Sayer Larson, Parks Superintendent; and Phil McDade, Public Works staff.

2. PUBLIC APPEARANCES. None.

3. APPROVAL OF MINUTES.

a. Discussion and action regarding the minutes from the meeting held on April 16, 2020. Felder motioned, Pease seconded, to approve the minutes of the April 16, 2020 meeting. Motion passed 7-0-1 with Clow abstaining.

4. BUSINESS

a. Presentation and discussion regarding adding a bird spotting scope to the observation deck within Lewis Park. Shawn Miller of the McFarland Bird Festival presented a proposal on behalf of the festival to add a bird spotting scope to the observation deck of Lewis Park. The scope would be a permanent addition to the deck and would allow for enhanced viewing of waterfowl across Lower Mud Lake. Lower Mud Lake is a birding “hot spot” particularly in the winter because it maintains open water due to the current of the Yahara River, according to Miller. The scope’s estimated cost is \$7,700, and the Bird Festival would be willing to offset part of that with a \$500 donation, Miller said. Schuenke said the village annually budgets money for park enhancements, and that fund could be tapped for the project. Larson said some modifications to the observation deck would likely be needed to accommodate the viewing scope. The committee did not take action on the agenda item.

b. Presentation and discussion regarding planning for pickleball court improvement project. The committee discussed a proposed six-court pickleball court project, located at Lewis Park at the existing site of the park’s seasonal hockey rink. The committee discussed whether the proposed courts would be better suited for Lewis Park or Siggelkow Road Park. Discussion focused on the number of courts for the project and whether restrooms and parking should be included as part of the project. The committee also discussed phasing in improvements such as restrooms and parking if the project was located at Siggelkow Road Park. The estimated timeline for the project would be to construct it in the spring of 2021. The committee did not take action on the agenda item.

c. Discussion and action to make a recommendation to the Village Board regarding the creation of a Vegetation Management Use Policy as Chapter 34 of the Park System Policy Manual. The committee discussed the use of pesticides and fertilizers in village parks, in particular sections of the Vegetation Management Use Policy that describe the tolerance for weeds in various parks. Clow said the proposed policy described what the village is currently doing in practice, not necessarily what village residents may want it to be. Felder said certain parts of parks such as Lewis Park and William McFarland Park likely

need different applications of treatment due to their recreational use in some parts of the park. The committee did not take action on the agenda item.

d. Presentation of the Parks Superintendent monthly report. Larson presented information regarding a hazardous tree that was removed on South Court, playground closures due to coronavirus restrictions, and the village dog park expansion project.

5. SCHEDULE NEXT MEETING DATE.

a. Thursday, June 18, 2020 at 6:30 p.m. (one week early)

6. ADJOURNMENT Utter moved, Feldner seconded, to adjourn the meeting. Motion passed 8-0-0. Meeting adjourned at 8:51 p.m.



PLAN COMMISSION SUMMARY SHEET

MEETING DATE: Thursday, June 18, 2020

SECTION: Business

DEPARTMENT: Community Development

CONTACT: Andrew Bremer, Comm & Eco Dev Director, Sayer Larson, Parks Superintendent

AGENDA ITEM: Discussion and recommendation to the Village Board on a site plan application by the McFarland Soccer Club for the addition of a fundraising brick patio around the existing outdoor patio at the soccer building located at William McFarland Park.

PREVIOUS ACTION:

March 19, 2018, approval of a site plan for the existing shelter and patio.

The Plan Commission is scheduled to address the site plan at its meeting on June 15, 2020.

ISSUE SUMMARY:

The McFarland Soccer Club is requesting approval of a site plan to place fundraising bricks around the patio of soccer building at McFarland Park. The Club had originally intended to place bricks under the outdoor patio portion of the facility. The builder advised against using the bricks in this area due to complications with pouring the concrete slab. The builder advised placing the bricks around the patio; however, that was not part of the prior site plan approval. The paver area would be approximately 740 square feet and would be built in phases through donations. The proposed location does not appear to impact the site grades that were approved as part of the 2018 site plan approval for the existing building and concrete pad and aligns with the existing concrete walkway around the facility. Because this project involves Village owned property, final approval of the site plan by the Village Board is recommended for this site plan application.

The Shelter was created to allow for use by the Soccer Club to assist/improve their operations, and also increase amenities within the park for use by the public (i.e. - rentals). The Parks, Recreation, and Natural Resources Committee's role is to evaluate the request against those main principles and ensure there is no conflict with how the facility was intended to be used.

FINANCIAL/BUDGET IMPACT:

None. The cost of the project will be born by the club through fundraising.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:



BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommend consideration by the Committee of the site plan approved conditioned upon approval for the same from the Plan Commission.

Please also note the following items of concern that could also be considered as conditions for approval:

- Maintenance - The Club should conduct various maintenance activities for the patio. This is different than the Village's responsibility for the shelter. This would include keeping weed free, repairing damaged bricks, cleaning, or otherwise bricks that are out of place.
- Construction - They should be set using polymeric sand to help control weed growth and use a solidier course pattern with non-engraved bricks around the border. Easier to replace a standard brick if damaged by mowing equipment than an engraved brick.
- Restoration - Club will be responsible for restoration once complete.
- Grading - Site should be graded to soften topography and flatten out the site as much as possible. This will improve access onto and off the patio as well as maintenance around it.

ATTACHMENTS:

1. 4802 Marsh Road McFarland Soccer Club Site Plan_05.15.2020

**Village of McFarland
Community Development Department**

Plan Commission Application – 2020

~Application must be completed in full~

Applicant - Owner	McFarland Soccer Club	Applicant's Agent	
		Name	Andy Witt
Address	PO Box 73, McFarland	Address	4618 Bellingrath St.
Email	McFarlandSoccerPresident@gmail.com	Email	McFarlandTournamentDirector@gmail.com
Phone #	608-616-2312	Phone #	608-512-8767
Fax #	—	Fax #	—

Parcel No(s). _____ **Type of Proposal – Please check boxes below that apply**

Requires Public Hearing (Class One)	FEES	Requires Public Hearing (Class Two)	FEES	Public Hearing Not required	FEES
☐ Preliminary Plat	\$500+AF	☐ Conditional Use	\$370+F	☐ Annexation	At cost
☐ Preliminary Plat (reapplication)	\$500+BF	☐ Rezoning (map)	\$405+	☐ Dev. Agreement Including Addendums	\$400 F
☐ Certified Survey Map	\$300+FG	☐ Zoning Amendment (text)	\$405 +F	☐ Final Plat	\$500 +CF
☐ Condominium	\$300+EF	☐ Variance-Board of Zoning Appeals	\$380+F	☐ Final Plat (reapplication)	\$400 +DF
☐ Comprehensive Plan Amendment	\$500+F			☐ Site/Design Review	\$400 + F

+ = Plus publication and notification charges

A = Plus \$50.00 per lot

B = Any preliminary plat which has previously been reviewed/ revised within the last 36 months

C = Plus \$50.00 for each lot within the final plat

D = Any final plat which has been previously reviewed or/ revised within the last 36 months

E = Plus \$40.00 for each unit shown

F = Plus actual legal, engineering and financial consulting costs incurred by the Village

G = Plus \$25.00 per lot for two or more lots.

Escrow Deposits
(covers costs for outside consultants;
e.g., engineers, attorneys, etc.)

☐ R-E, R-3 & PD (up to 50 acres)	\$5,000
☐ R-E, R-3 & PD (greater than 50 acres)	\$10,000
☐ Commercial Site/Design Review (5,000 sq. ft. or more)	\$2,000
☐ All Plats including condominiums	\$5,000

Nature of the development proposal: Must provide address of proposed development, legal description, current zoning and description of proposal. (Attach additional paper if needed)

on separate document

What action is the applicant requesting of the Plan Commission?

on separate document

Has this specific proposal been previously discussed or acted upon by the Plan Commission?

☐ YES ☒ NO (If "yes" state the nature and the date(s) of the previous application.)

PLEASE READ AND SIGN AT THE BOTTOM ON THE REVERSE SIDE

Schedule: The Village of McFarland Plan Commission conducts meetings on the third Monday of each month at 7:00 p.m. at the McFarland Municipal Center in the Community Room. To ensure adequate time for staff review, and publication of legal notices; all potential agenda item materials -are required to be submitted per the schedule listed below. **Six (6) Copies** of all materials, **one (1) copy must be 8 ½ x 11, five (5) copies to be 11 x 17 and one (1) electronic copy** (only *one* copy of application, *completed in full*, is necessary) shall be submitted to the Community Development Department (608-838-3154), with fees paid by ***NOON of the deadline day**, according to the following schedule:

Village of McFarland Plan Commission 2020 Schedule

*Submittal Deadline Noon on:	For Scheduled 2020 Meeting date of:
December 12 (2019) -----	January Tuesday Jan. 21

January 7-----	February 17
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February 11-----	March 16
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March 10-----	April 20
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April 7-----	May 18
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May 12-----	June 15
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June 9-----	July 20
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July 7-----	August 17
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August 11-----	September 21
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September 8-----	October 19
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October 6-----	November 16
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November 3-----	December 21 (Pending)
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December 8-----	(Pending) Tuesday, Jan. 19, 2021
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*** Submittal deadline: No exceptions are given for above deadlines**

- I understand failure to provide required materials/information/fees by the submittal deadline can result in this application being withdrawn for consideration by the Plan Commission. Materials submitted for review after the submittal deadline date, or incomplete submittals, will be held over until the next scheduled meeting.
- I understand any fees not paid for (i.e. legal notices, mailings, etc.) will require any permits to be withheld until all payments are made in full. In addition, all application fees are non-refundable.

X Andrew N. Webb
Signature of Applicant/Agent

5/15/20
Date

Nature of the development proposal:

McFarland SC is requesting that our “fundraising bricks” be allowed to be placed at William McFarland Park, right next to the outdoor patio area at the soccer building. These bricks were in our original plan (the Village has possession of these plans already) and they were initially scheduled to be placed under the awning of the outdoor patio area. However, our builder (Jeff Davis of Davis Steel) could not place these bricks in the originally demarcated area as it would have made the pouring of the concrete slabs a more complicated issue. It was his belief that we could place these fundraising bricks around the edge of the patio (seen in the new plan submitted for your review) as that would make the pouring of the concrete simpler, plus it would allow us to gradually add to the fundraising brick area over the years with the ultimate goal of wringing the awning covered patio area with these fundraising bricks.

What is the applicant requesting of the Plan Commission:

To allow us to place our fundraising bricks at the complex. Honestly, we do not care the exact location where they are placed at William McFarland Park as long as they are allowed to be placed. It was our understanding that our builder had taken care of these altered arrangements to the bricks when the soccer building was being completed in 2018, but that obviously was not the case.

These fundraising bricks were purchased by members of our club back in 2018 and we need to get these placed sooner rather than later to fulfill our commitment to our club members. In addition, at a time like this where we are not allowed to play soccer (gather registration fees) we need to build club revenue in order to meet our expenses, such as our payments for our loan on the building.

Thank you for your time. Please let us know if you need additional information from the Soccer Club.

Best,

Andy Witt
Camps and Fundraising Director
McFarland SC



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Thursday, June 18, 2020

SECTION: Business

DEPARTMENT: Administration

CONTACT:

AGENDA ITEM: Update and discussion regarding Parks Master Planning at William McFarland Park and the future Community Park.

PREVIOUS ACTION:

ISSUE SUMMARY:

Enclosed within your packet is a proposal from Parkitecture which goes over the various activities to complete to develop a Master Plan for William McFarland Park and our new Community Park. The Consultant will be present to again introduce the project and go over their first impressions and general challenges.

Additionally, we should discuss options available to us to gather public input. Typically, the traditional method for this is to hold an Open House and interact with the public in person. In the current environment that is not going to work and even if we waited several months, it might not bring people out as we might have experienced prior to the outbreak.

We would like to pursue a live event presentation that can support question and answer. This may be done through Facebook live or Zoom, but meant to get the base information out there for the public to react to but also give them an outlet to ask questions. This event would be recorded and allow people to replay later at their leisure. We would also like to align watching the event with conducting a survey to build that input to help guide in the process. This would provide for two different mechanisms of communications that we will attempt to accomplish within a single format. Staff and the Consultant will work on bringing this together, but would like to discuss this as a format to address the public input component.

The last component of public input is to directly engage key stakeholders within the parks. These are the different user groups and gather their feedback directly regarding what their future plans are and better understand how they use these areas.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:



ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

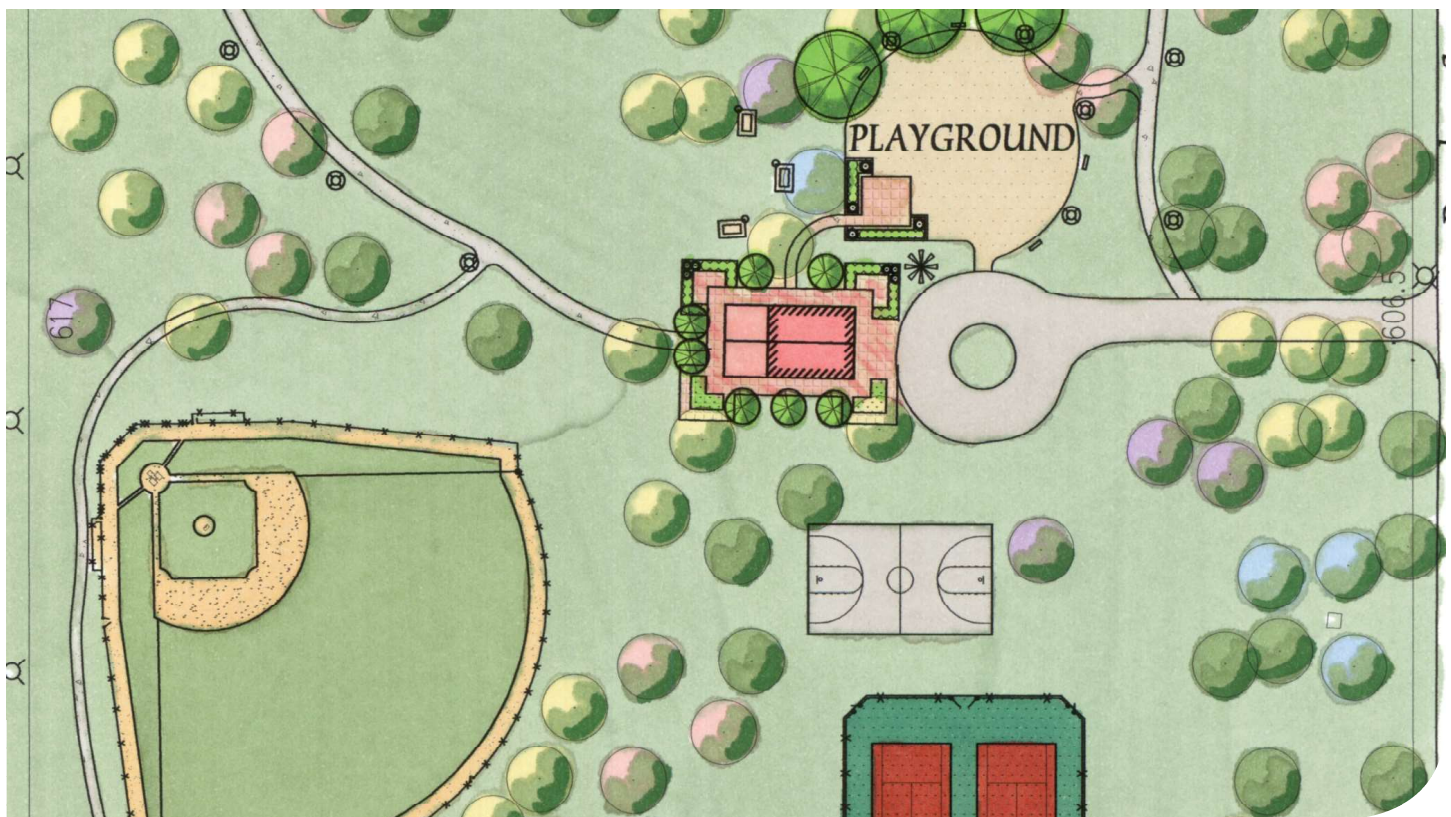
ATTACHMENTS:

1. Exhibit A - Proposal
2. 20_0612 mtg materials

VILLAGE OF MCFARLAND COMMUNITY PARK + WILLIAM MCFARLAND PARK MASTER PLANNING SERVICES

PROPOSAL

SUBMITTED BY
PARKITECTURE + PLANNING, LLC
MADISON, WI
FEBRUARY 27, 2020



February 27, 2020

McFarland Department of Public Works
Attn: McFarland Park Master Plan RFP
5915 Milwaukee Street, PO Box 110
McFarland, WI 53558

Dear Matt and members of the selection committee,

Thank you for the opportunity to provide this proposal for planning assistance in the development of Master Plans for two parks within the Village. These efforts will develop both a big picture vision for each property as well as a detailed road map for the implementation phases to follow. The new 28 acre Community Park parcel will fulfill a long term goal for the Village by offering a destination facility with a variety of recreational uses. The re-imagination of William McFarland Park will formalize the existing programming and improve the function and flow of the space. We have the benefit of recent prior work in the Village park system and am familiar with both of these sites.

We are a strong believer in creating attainable goals and finding small successes with the communities in which our design team engages. With constant and consistent outreach and messaging of our process, we create public buy-in and consensus in the outcomes. In the 16 years of successful park planning projects in Wisconsin and more than 20 years in my Midwest career, I have experience working with many communities on park projects large and small. The lessons learned from the 100 plus Master Plans I have facilitated will offer McFarland a proven process, excellent track record, and the confidence that the community will grow with vibrant new recreational open spaces.

While Parkitecture + Planning has only recently been launched as a business, our two principal owners have been inseparable design partners for more than 10 years. Our blend of Landscape Architecture and Civil Engineering theories gives us a creative and grounded approach towards our design solutions. We look forward to the opportunity to share our perspectives with you and the residents of McFarland.

Thank you very much for your continued confidence in our team.

Sincerely,



Blake Theisen, PLA, ASLA
Principal

Parkitecture + Planning
901 Deming Way, Suite 102
Madison, WI 53717

E blake@parkitecture.org
P 608.886.6808

SERVICES + ASSISTANCE



- | Landscape Architecture
- | Park and Open Space Master Planning
- | Aquatic Facility Analysis and Design
- | Athletic Facility Design
- | Recreational Waterfront Visioning
- | Public/Private Campground Design
- | Custom Theme Playscapes
- | Civil Engineering
- | Stormwater Management
- | Site Design
- | Construction Documentation
- | Construction Administration
- | Land-Use Planning
- | Public Outreach

Established in 2020, Parkitecture + Planning is a fresh start with familiar faces.

Principals Blake Theisen (Landscape Architect) and Katie MacDonald (Civil Engineer) formed the company to follow their passion, by focusing on park, open space, and aquatic based projects.

Born from the oldest Landscape Architecture firm in Wisconsin, our primary focus is on creating vibrant site design opportunities for our clients and community members.

Our approach toward park and open space design focuses on how social interaction can be stimulated through thoughtful layout and creative use of materials. We work to blend the lines of natural and built environments to enhance the user experience.



Parkitecture + Planning
901 Deming Way, #102
Madison, WI 53717
608.886.6808

www.parkitecture.org

**We are Landscape Architects.
We are Engineers.
Above all, we are
*Parkitects.***

SERVICES + ASSISTANCE



Preliminary	Interior Design
Design Solutions	Cost Estimating
Conceptual Estimates	Cost Estimating
Programming	Existing Facility Analyses
Feasibility Studies	3D Renderings
Architectural Design	Sustainable Design
Construction Documents	Project Management
Mechanical Engineering	Construction Management
Electrical Engineering	Competitive Bidding
Structural Engineering	Project Scheduling

HISTORY AND EXPERIENCE

Iconica's roots began with the founding of a small architectural firm. A dozen years later, we added construction services. Both aspects of the business were successful, but it wasn't until we focused on inextricably combining the two that we found an entirely better way of doing business. Today Iconica has a diverse and expert staff including architects, interior designers, engineers (mechanical, electrical, plumbing and structural), estimators and construction personnel. We focus on making projects easy for our clients and we take the uncertainty out of commercial construction by guaranteeing results.

Adding it up, we have over 500 projects and 9 million square feet designed and built since 1994. Everybody claims they have the right way. Few deliver. Who are we to make such claims? Put us to the test. See if we won't sit down and listen to your concerns, demonstrate our expertise, and hold ourselves accountable

We will, because we don't work any other way.



CONTACTING ICONICA

Headquarters:
901 Deming Way
Madison, WI 53717
608.664.3500

www.iconicacreates.com



The Sauk Prairie Recreation Commission and the Friends of Sauk Prairie Parks and Recreation retained the Parkitecture + Planning and Iconica team to finish the Master Plan effort and create design development drawings for a new 67 acre community park. Through an extensive community outreach and public funding campaign, resident input was infused into the final vision to establish recreation elements for patrons of all ages and abilities.

Services: Master Planning, Schematic Design, Cost Estimation, Construction Management
Year: 2020-present (since 2018 under prior employment)

Contact: John Lehan, Director of Recreation
 Sauk Prairie School District
sprec@saukprairieschools.org
 608.643.0520



The Village of DeForest and Parkitecture + Planning continue collaboration on the development of the long range master plan for Firemans Park, the central community park and heart of the Village. Currently, Parkitecture is assisting with implementation of the second phase of project development and schematic design for the third and final phase. Once complete, the team will have worked with the Village from initial concept through full construction over a period of five years.

Services: Master Planning, Construction Documents, Cost Estimation, Construction Management

Year: 2020-present (since 2017 under prior employment)

Contact: Kelli Bialkowski, Dir. of Community Services
Village of DeForest
bialkowskik@vi.deforest.wi.us
608.846.6751



Drone photo taken during construction



The Parkitecture + Planning staff worked with the City of Neenah (under prior employment) to develop a comprehensive park master plan and subsequent construction documents for 3 phases of implementation. The park renovation evaluated recreational priorities and left only the original community building intact. Design concepts were largely driven by resident input and the planning team analysis of service gaps in the city-wide open space and recreational offerings.

Services: Master Planning, Construction Documents, Cost Estimation, Construction Management

Year: 2020-present (since 2016 under prior employment)

Contact: Mike Kading Director of Parks and Recreation
City of Neenah
mkading@ci.neenah.wi.us
920.886.6062

Park Master Plans Completed in Wisconsin Since 2006

(some during prior employment)

Clarkson Dock Waterfront Park, Ashland, WI
Kreher Park, Ashland, WI
Ochsner Park Zoo Master Plan, Baraboo, WI
Otter Exhibit, and Lynx Exhibit, Baraboo, WI
Turtle Creek, Turtle Island Play Area, Beloit, WI
Bushnell Park, Burlington, WI
Devor Park, Burlington, WI
Riverside Park, Burlington, WI
Whemhoff Jucker Park, Burlington, WI
Buckholtz Park, Clintonville, WI
Thaden Park, Cottage Grove, WI
Governor Thompson State Park, Crivitz, WI
Conservancy Commons Park, DeForest, WI
Fireman's Park, DeForest, WI
Iver Munson Park, DeForest, WI
West Riverside, Eau Claire, WI
Frazier Point, Lakeside Park, Fond du Lac, WI
Anunson Park, Fox Crossing, WI
Roche a Cri State Park, Friendship, WI
Firemans' Park, Germantown, WI
Manitowoc Road Park, Village of Harrison, WI
Village Square, Village of Howard, WI
Conservancy Park, Johnson Creek, WI
Horizon Park, Kenosha, WI
Kennedy Park, Kenosha, WI
Pennoyer Park, Kenosha, WI
Poerio Nature Center, Kenosha, WI
Shagbark Park, Kenosha, WI
Simmons Island Park, Kenosha, WI
Strawberry Park, Kenosha, WI
Sunrise Park, Kenosha, WI
Petzke Park, Kenosha, WI
Straight Lake State Park, Luck, WI
Central Park, Madison, WI
Beach Park, Maple Bluff, WI
Firemans Park, Maple Bluff, WI
Firemens Park, Marshall, WI
Braehm Park, Marshfield, WI
Hefko Park & Aquatic Center, Marshfield, WI
Lewis Park Aquatics Study, McFarland, WI
Valley Drive Park, McFarland, WI
Jefferson Park Master Plan, Menasha, WI
Aero Park, Menomonee Falls, WI
School Park, Menomonee Falls, WI
Village Park, Menomonee Falls, WI
Library Park, Mercer, WI
Lemke Park, Mequon, WI
River Barn Park, Mequon, WI
Rotary Park, Mequon, WI
Firemans Park, Middleton, WI
Lakeview Park, Middleton, WI
MRD Park, Middleton, WI
Penni Klein Park (Quisling Park), Middleton, WI
Pheasant Branch Conservancy, Middleton, WI
Sam Jacobson Park, Middleton, WI
Taylor Park, Middleton, WI
Town Square, Middleton, WI
Calvin Moody Park, Milwaukee, WI
Clovernook Park, Milwaukee, WI
Johnsons Park, Milwaukee, WI
Ohio Park, Milwaukee, WI
Southlawn Park, Milwaukee, WI
Ahuska Park, Monona, WI
Bridge Road Park, Monona, WI
Stonebridge Park, Monona, WI
Winnequah Park, Monona, WI
Woodland Park, Monona, WI
Shattuck Park, Neenah, WI
Washington Park, Neenah, WI
Ingram Park, Pleasant Prairie, WI
Neighborhood Commons Park, Pleasant Prairie, WI
Village Square Park, Pleasant Prairie, WI
MacKenzie Wildlife Center, Poynette, WI
Community Athletic Park, Sauk City, WI
Animal Recreation Facility (ARF), Shawano, WI
Franklin Park, Shawano, WI
Memorial Park, Shawano, WI
Smalley Park, Shawano, WI
Wanick Choute Park, Sherwood, WI
Totogatic Park, Spooner, WI
Reserve Park, Sun Prairie, WI
Wetmore Park, Sun Prairie, WI
Village Park, Thiensville, WI
Community Park, Trempealeau, WI
Maunesha Park, Waterloo, WI
Buchner Park, Waukesha, WI
Cardinal Ridge Park, Waukesha, WI
Hillcrest Park, Waukesha, WI
Meadowview Park, Waukesha, WI
Mindiola Park, Waukesha, WI
Missile Park, Waukesha, WI
Klentz Park, West Allis, WI
Liberty Heights Park, West Allis, WI
Reservoir Park, West Allis, WI
Roosevelt Park, West Allis, WI
Veteran's Park, West Allis, WI
Patrons Park, West Bend, WI
Cravath Lake Park, Whitewater, WI
Village Green Park, Wind Point, WI

TEAM ETHOS AND APPROACH

The **mission** of Parkitecture + Planning is to engage with stakeholders and create vibrant, creative, inviting, and inclusive public open spaces in our communities. We view the public landscape as a canvas for creativity, collaboration, and opportunity for growth and learning for residents of all ages and abilities. Our firm works with groups large and small to understand the community context, project goals, and work through sustainable design solutions.

DESIGN APPROACH

We base our approach to Park Master Planning on three pillars: **Engagement, Visioning, and Action.**

Engagement - From day one, we **listen**. Anyone can hear, but to listen ensures that all perspectives are taken into consideration. Often the emotions and reactions are as valuable as the content. Our project engagement with clients includes not only the day-to-day decision makers, but the special interest groups and stakeholders, elected officials, and facility maintenance staff. This process includes outreach through various methods, whether it be a traditional town hall meeting, online discussion forums, social media outreach, or pop up events during community-based activities. It is vital for all of these voices to have an audience and present each angle for consideration. A truly sustainable facility will satisfy the learning and recreational objectives for the end user, while streamlining maintenance requirements for those responsible for the daily and long term care. The feedback gathered during this initial phase establishes our design program and helps us understand, **What is your Why.**

Visioning - We believe in **collaboration and consensus** building. Through interactive design charrettes and precedent imagery reviews, we can develop and define the end goal or design direction. Early schematics should be loose and flexible, giving stakeholders opportunity to think big and outside of the box. Visual stimulation with prior project imagery helps to push imagination and inspire new ideas for each project we touch. We push you to embrace the iterative process and work through the design evolution with us. **Never settle for status quo.**

Action - Our plans are **designed for implementation**. From more than twenty years of experience with park and open space planning, we understand the challenges communities face with budgets, staffing, programming, and maintenance. Our team establishes realistic design solutions and sets forth attainable phasing strategies when necessary. We also know how to leverage funding. Our staff have an excellent track record in securing grants, developing fundraising tools, and forging public/private partnerships to further the budget allocations. **Let's make this happen.**

During the initial phase of these two projects, we will facilitate a public outreach program to determine the wants and needs for the new site, and the redevelopment goals of William McFarland Park. Since this is a well used site already, it will be very important to understand the current use demands and how new amenities can dovetail with these activities. Engaging these user groups in stakeholder interviews should yield opportunities for improvement and possible overlap in operational and maintenance tasks. A physical site assessment will be conducted to understand the environmental and structural challenges for the sites as well as identify any possible hidden opportunities. The importance of both of these sites calls for further public outreach, and we propose to attend two community events to set up a "casual conversation table" to gather input. We find that by immersing ourselves into an activity in which patrons are already comfortable, we can extract more meaningful responses and off the cuff reactions to conceptual ideas. These events often yield better results than hosting a traditional town hall style meeting.



Our interaction with Village staff and the steering committee will continue with an interactive design charrette style meeting. This forum gives all participants a sense of ownership in the process and outcome. We will produce 2-3 concepts for each site for review and discussion with the project team. In order to make educated decisions on design preference, these concepts will be accompanied by an opinion of probable construction costs. Our group is partnered with Iconica, a local design build contractor who has a long resume of similar projects including six large scale park projects with us currently. Their in-house cost estimators provide our team with accurate and up to date construction cost forecasting.

Our collaborative process continues with refinement of the preliminary concepts into a draft Master Plan graphic and narrative report. This document will outline the research, public process, design evolution, outcomes, and projected construction costs. We feel strongly that the Master Plan should also evaluate the long term operations and maintenance costs of developing a new facility. As part of our process, we will work with your maintenance staff to assemble a month by month, season by season estimate of man hours required for upkeep of the new facility. This tool can be very useful when seeking to secure funding for the plan recommendations.

SCOPE OUTLINE (for both projects)

Task 1 - Engagement

- Facilitate kick-off Meeting with Village staff and design team.
- Conduct 2-3 initial public outreach events. This could include attendance at a special event or hosting a dedicated workshop meeting.
- Hold a day long stakeholder interview meeting with selected participants. Times will be scheduled in 1 hour increments.
- Collaborate with Village maintenance staff on current operational strategies and challenges. Discuss perceived opportunities and concerns for new sites.

Task 2 - Visioning

- Facilitate design charrette meeting with Village staff, Park Board Members, and other selected parties. This exercise will confirm the program statement and develop schematic concepts.
- Assemble 2-3 conceptual options for each park to include layout, creation of unique identity, amenity suggestions, conceptual grading and landscape patterns.
- Compile opinion of probable construction costs.
- Present initial concepts to Village staff and Park Board.

Task 3 - Action

- Facilitate 1 public presentation to unveil the concepts and collect feedback on final design direction.
- Refine initial concepts into a one preferred concept option.
- Produce color rendering and assemble character images for identified amenities and park features.
- Update opinion of probable construction cost to reflect the preferred concept plan elements.
- Attend Park Board Meeting to review the preferred conceptual plan and associated costs.
- Develop summary narrative report, action plan with funding strategies, maintenance projection, final plan graphics, and presentation materials. These materials may be used as a springboard for project awareness and a fundraising campaign.

Outcomes and Deliverables

- Meeting minutes from each review meeting.
- Written summary of all public engagement activity.
- 11x17 Conceptual Plans for each park for each design iteration.
- Opinion of Probable Construction Costs in itemized table format.
- PDF and 10 Bound copies of final Report.



The **Parkitecture + Planning** core team is small and flexible. We choose to operate this way and work on the projects that are important to us and the communities in which they occur. The principal owners believe that open space reflects the soul of a community and deserves as much attention as any of the other core infrastructure in a municipal budget. We have dedicated our careers to this cause, because we are **Parkitects**.

As need arises, we supplement our internal team with trusted partners from all disciplines. For this effort, we will be including the construction cost estimators from **Iconica**.



Blake Theisen, PLA, ASLA

Blake is a steward of open space and draws on his background in environmental science and spatial design to influence his solutions. He is an accomplished public process facilitator, and has presented at State, Regional, and National Conferences. Blake has received numerous design awards for project work and continues to find ways to innovate new solutions to common design challenges. His passion for park and aquatic based recreational projects is unparalleled in Wisconsin.

Registered: WI, IL, IN, IA, MN, MI, AZ, TX, NE, CO

Certified: CLARB, CPO

Member: WPRA, WIASLA, ISA



Katie MacDonald, PE

Katie exhibits her expertise in park and public open spaces and focuses on contextual site grading, integration of green infrastructure, and creative material re-use in her site design approach.

With an extensive resume in aquatic recreation facilities, she has become one of the leading experts in Wisconsin and the upper Midwest in pool and splashpad design.

Registered: WI, IL, IA, MN, CO, WY

Certified: CPO

Member: WPRA, NASECA



Brian Colby, LEED AP

As Director of Pre-construction for Iconica, Brian's responsibilities include conceptual estimating, detailed estimating, plan review, savings opportunity identification, bidding assistance, and contractor communications.

He works directly with the design team and project owners to ensure that cost information is accurate based on the most current plans, local market conditions, and potential phasing strategies. His attention to detail, technical expertise, and experience make him an asset to any project.

Registered: LEED

Certified: AGC BIM Management

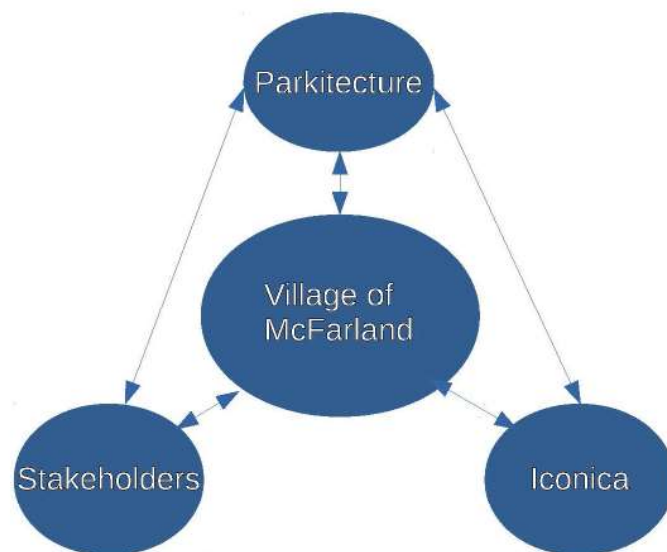
TEAM ORGANIZATION

We are collaborative in nature and run our projects the same way. Parkitecture and Iconica share an office and are in constant contact and communication with each other. In addition to weekly project coordination meetings, we share time together on a daily basis. Should you need to discuss an urgent matter with the team and can't get ahold of the Project Manager, the other team members are quick at hand and you should feel free to contact them directly. This team has worked together for more than 10 years on similar projects.

Blake Theisen will serve as your Project Manager and primary point of contact for the design team. He will also serve as lead for public engagement process.

Katie MacDonald will provide site assessment, planning assistance and design/operations clash analysis.

Brian Colby will provide quality control review and cost estimation services.



LABOR HOURS

Our projected hours are summarized by task and staff member in the following tables.

Community Park

TASK	Theisen	MacDonald	Colby
Engagement	27	14	0
Visioning	30	40	8
Action	44	15	12
TOTAL	111	71	20

William McFarland Park

TASK	Theisen	MacDonald	Colby
Engagement	34	12	0
Visioning	35	32	8
Action	37	15	12
TOTAL	106	59	20

PROJECTED SCHEDULE

We anticipate a 4-5 month process to complete the planning efforts for both parks. Our strategy will include joint meetings and outreach sessions to reduce our administration and meeting preparation time. The initial public outreach should be conducted prior to the termination of the school year to capture the largest available population of residents.

TASK	TIME FRAME
Kick-off Meeting	May 1, 2020
Site Assessments	May, 2020
Initial Public Outreach	Mid May, 2020
Conceptual Design	June, 2020
Cost Estimation	July, 2020
Village Review Meeting	July, 2020
Refinement of Concepts	July-August, 2020
Public Feedback	August, 2020
Final Master Plan	September, 2020
Final Presentation of Plan	September, 2020



COST PROPOSAL

The Parkitecture team suggests a lump sum fee including expenses for the above described scope as follows:

Community Park - \$22,930

William McFarland Park - \$20,975

This fee structure reflects a cost savings by holding joint meetings for project review, public feedback, and final adoption. Please do not hesitate to contact us with any further questions on our team capabilities, scope, or passion for the park and recreation industry. Additional services shall be billed at an hourly rate of \$115/hour.

"Working with Blake and the Parkitecture team has been one of the best decisions we have made for our park project. Their organization, detail, thoughtfulness, planning and experience has helped make our planning team prepared for the road ahead."

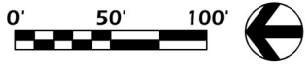
**John Lehan – Director of Community Recreation,
Sauk Prairie Rec Commission**

"Blakes practice of listening, asking thought provoking questions, and then implementing the desires of the community is second to none."

**Matt Hendricks – Director of Parks, City of
Shawano**



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 PARKITECTURE + PLANNING 901 Deming Way, Suite 102 Madison, WI 53717 608.886.6808	
WILLIAM MCFARLAND PARK MASTER PLAN MCFARLAND, WI	
EXISTING CONDITIONS	
Project Name:	
Revisions:	
Project #:	20.022
Issued For:	Review
Date:	6/18/2020
Sheet Number	EX-1

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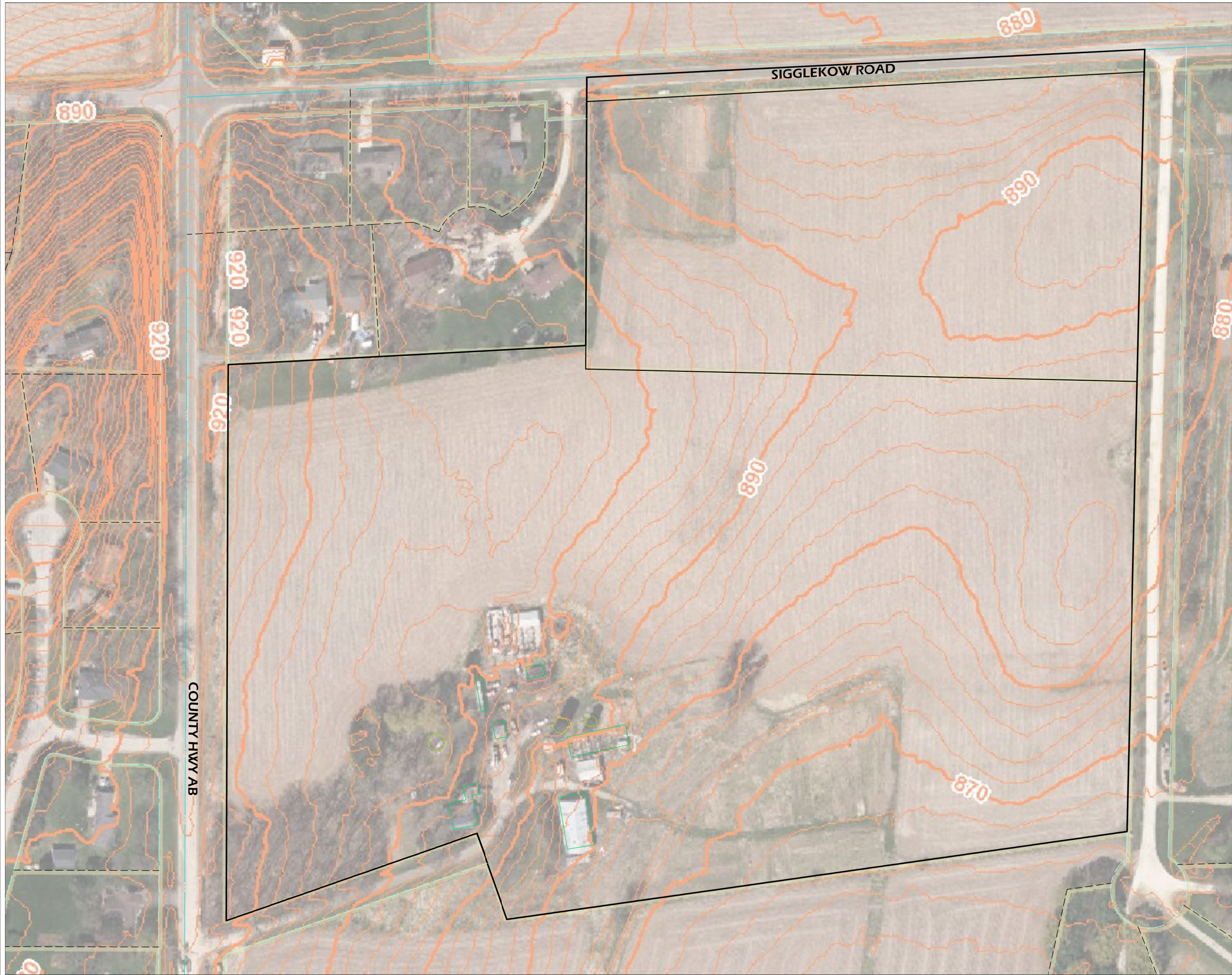
Project Name:
**WILLIAM MCFARLAND PARK
MASTER PLAN
MCFARLAND, WI**

Sheet Title:
EXISTING CONDITIONS - IMAGES

Revisions:	

Project #: Issued For: Date:	20.022 Review 6/18/2020
Sheet Number EX-2	

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COMMUNITY PARK MASTER PLAN MCFARLAND, WI		EXISTING CONDITIONS
Project Name:		
Revisions:		Sheet Title:
Project #: 20.022 Issued For: Review Date: 6/18/2020		
Sheet Number		
EX-1		



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Revisions:

Project #: 20.022
Issued For: Review
Date: 6/18/2020

Sheet Number

EX-2



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Thursday, June 18, 2020

SECTION: Business

DEPARTMENT: Administration

CONTACT:

AGENDA ITEM: Update and discussion regarding the planning project to develop a special needs park.

PREVIOUS ACTION:

ISSUE SUMMARY:

Included within your packet is the proposal from Learning Landscapes Design that has been contracted to provide planning services for the development of a new special needs park within our system. They have been meeting with Staff and a few individuals from within the Community who have experience in this area to help provide feedback on plan development. Thus far the initial work has been to inventory our current parks, talk about different types of visions for the park, and evaluate possible sites for this park development. Thus far it has been identified that Cedar Ridge, new Community Park, and Highland Oaks would be evaluated for these improvements. Cedar Ridge is a large neighborhood park with dated equipment where a park of this design could fit well within a densely populated area. The new Community Park is starting from scratch and as such the improvements needed to support such a park might be able to share with other amenities to be created at that location. Highland Oaks is a possibility to create a denser park development, again in a heavily populated residential area. They setup nicely to give us a small, medium, and large option as we continue the process to study what is desired for this environment.

This is presented as an update on their progress thus far and see if there are any initial questions as the project continues to progress.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:



BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. Exhibit A - Proposal
2. 20.06.02_McFarland_COREteamMtgNotes
3. LLD_CoreTeamMtg_McFarland_sm



Design Services for Village of McFarland Special Needs Park Proposal for Landscape Architectural Services

Prepared By:
Learning Landscapes Design LLC
Portland OR and Milwaukee WI
503.347.4523
2/28/20



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facilitate double sided printing.

Jim Hessling - Director
McFarland Department of Public Works
5915 Milwaukee Street, PO Box 110
McFarland, WI 53558

Jim Hessling and McFarland Village -

Thank you for the opportunity to provide you with this proposal for landscape architectural services. Learning Landscape Design LLC provides innovative site design for nature playgrounds, parks and childhood environments. Our team has eighteen years of experience with play and learning projects from community involvement, through conceptual development, construction documents, and construction management. We have brought in *Let Kids Play!* accessibility consultants to assist us on this project. We work with Mara often and appreciate her unique view and expertise in universally accessible design. This proposal is based on your RFP as well as our experience on similar projects.

We are passionate about creating spaces where all children can play and learn together. While ADA addresses mostly physical mobility issues, Universal design meets people where they are in their cognitive, sensory, social and physical development. A number of years ago Mara of *Let Kids Play!* gave our team one piece of paper that forever changed how we look at accessible play. It showed four families with varying abilities through the group. She asked us to consider how these families could use the space. This simple shift to considering people instead of guidelines and rules changed everything. We have conducted multiple interviews with parents of differently-abled children to truly understand their needs and desires. We have sat in focus groups fighting back tears as parents described their children's experiences. It is amazing how small shifts in design and approach can completely change how families experience the space. Our design experience is coupled with an extensive understanding of safety, maintenance, and construction of children's spaces. Our company is built on our ability to listen and we excel at crafting a process and design that fits your community's unique needs and project conditions.

You should work with Learning Landscapes Design because:

1- We **specialize in landscapes for play**. We spend all of our time working to better our understanding of this project type. Kids interact with spaces in a very different way than adults. They think and learn differently and we specialize in finding ways to let kids connect with their environment and their community.

2 - Over time we have **developed strategies to address the unique safety, access, and construction challenges** that often accompany custom and universally inclusive play areas.

3 - Our designs are maintainable and practical. Maintaining an alternative play area can be daunting. We are the only design firm that offers an **extensive management plan and set of safety inspection documents** tailored to our designs.

4 - Our approach involves your team and your whole community to create **community and staff buy-in** and support. We enjoy our work and have fun engaging the community for input. **We listen**, respond, and plan for on time, on budget and highly successful results.

Kerry White will be your project manager and Michelle Mathis the principal and contract authority. We are a small firm and all staff members touch every project. If you see it in our resume our key personnel has supported, designed, and steered the project over the finish line. You will find our resumes in the following information. This proposal outlines the tasks that are proposed to assist you in creating a vision for your universally inclusive playground. These tasks are arranged to create a design everyone can get behind and develop a plan for moving forward. We have successfully used this project approach on similar projects. We are willing to adjust, move, and add tasks to suit your vision of the process. Consider this a starting point and an outline of our abilities and strengths.

Sincerely,



Michelle Mathis RLA
Principal, Learning Landscapes Design
503-347-4523
michelle@learninglandscapesdesign.com



Learning Landscapes Design LLC

A design firm specialized in creating inspiring spaces for learning and play

Learning Landscapes is a design and sustainability firm specializing in creating inspiring spaces for engaged learning and play. We have seen the drastic change in children's lives in the last few generations. Youth are disconnected from each other and increasingly 'plugged in'. Our children are experiencing higher rates of obesity, disability, and behavioral disorders. Our firm aims to create spaces for our forward thinking clients where all children, regardless of ability, can connect to one other and nature while engaging in meaningful play experiences that excite them. Our fast paced culture is trickling down to our children who are over scheduled, nervous, stressed and constantly compared and evaluated. Free play is an equalizer. It resets cognitive functioning, offers opportunity to strengthen and test our physical abilities, and it provides deeply effective opportunities for brain development.

The standard playground equipment is no longer meeting the needs of today's children. Learning Landscapes Design rises to the challenge and responds with relevant designs including; natural playgrounds, universally accessible play areas, hands-on interpretive spaces, learning gardens, and sensory gardens. Coupled with landscape architecture our staff have rich backgrounds including; education, playground safety, parks operation, sustainable design, permaculture, child development, and parenting.

Our Clients

Our clients are public parks agencies, schools, early childhood providers, and operators of other family destinations such as zoos and museum. Our client list includes large and small organizations as well as large and small projects. Please refer to the following relevant projects for more specific project information.

Proven Track Record

We help our clients through every stage of the design process from concept design and public involvement, through detailed design and permitting through to construction administration. We achieve relevant and successful projects by listening and observing then responding with a design that fits the site, the client and community needs and those of the unique end user. To optimize opportunities for wise use of resources, we use a sustainable lens on every project. We pride ourselves in delivering projects on time and on budget.

Financial Statement

Our company is financially stable and has operated successfully for 7 years. We have no outstanding loans and financial projections look good for continued success and stability. We can provide a Profit and Loss statement if requested.

4

Year Established: 2012

Office Locations:

Portland, Oregon
Milwaukee, Wisconsin

Services:

Landscape Architecture
Concept Design
Public Involvement
Designing with students,
Design Detailing
Construction Documents
Permitting
Bidding
Construction Administration,
Safety Review
Staff Training

Specialty:

Natural playgrounds
Universally accessible play
Designing with kids
Maintenance guidelines for
natural play areas

Awards

- Oregon ASLA 2019 Honor Award
Preparing the Next Generation:
Design Curriculum
- 2019 Pop Up Place Competition
Winners: Design Week Portland
from the Portland Department of
Transportation



Oxbow Regional Park 'Oxbow Adventure'

Metro - Gresham, OR

Relevant Project Experience

The Sandy River draws swimmers, rafters, kayakers and drift boats carrying anglers as it weaves through Oxbow Regional Park. Twelve miles of trails invite visitors to explore an old growth forest with ravines carved by volcanic and glacial flows. Many of these treasures and stories are being missed by young visitors whose families came to the day use areas and don't explore the nature trails surrounding them. The Oxbow Adventure Concept is a plan to engage young people of all abilities with the natural wonders and the history of the floods and quickly buried old growth forests in the park through play and exploration. Two nature play installations, accessible trails, base camp kiosks, signage and a kids information booklets offer the support needed for brave adventurers to leave the play area and explore the park.

Fifty climbing logs emerge from the sand next to a series of water tables. Park programs use the area to tell about a flood that happened on site and buried the forest with 40' of sand. The buried forest is still under the play area! Elevated water play, climbing for any ability, access to raised loose parts tables, an open sided accessible drift boat and simple machines sand play ensure everyone can engage no matter their ability or interest.

Through community meetings with families experiencing disability, we targeted the experiences and features these families needed to feel safe and included in play. Visitors can play in the camp kitchen, test out the tent fort structures and build shelters from natural materials. The vision is that young visitors leave with a little more excitement and knowledge of the natural world around them. Young people must learn to love a place, before they can effectively learn facts about it. With this groundwork they can become stewards of our wild places. Metro aims to inspire tomorrow's steward through play at Oxbow Adventure.

Construction Cost - \$450,000

Date of Completion – 2019

Services Provided – Landscape Architectural Design, Master Plan and Concept Design, Cost Estimating, Public Involvement, Construction Documents.



Water play at many levels opens up access to more people.



5 Elevated tables open up opportunities for loose parts engagement.



The Sandy River is a magnet to anglers from far and wide. With careful fabrication and modifications everyone can join in the imaginative play.

Montclair Community Discovery Playscape

Montclair, NJ

Relevant Project Experience

Montclair Pre-K is the heart of a vibrant, diverse, and inclusive community. With a strong focus on a play-based curriculum a discovery playscape was the approach that fit the schools playground renovation dreams. This preschool focused site is a public park on evenings and weekends, expanding the communities recreation options. The design is organized around a loop path with mature trees and six themed play zones. Each zone offer fully accessible play experiences that exercise the mind, body and imagination. Only one zone focuses on physical play and climbing. With 5 other zones to explore, every child can find something that matches their interest and ability. During the design phase the preschool students offered ideas and built models to show how they enjoy playing. The playscape was built from their ideas and the types of play they were drawn to with a healthy balance of realistic maintenance needs and safety mixed in.



The Edible Garden - Where classroom exploration moves outside to edible plants.

Exploration Yard - A loose parts building zone for free play.

The Discovery Garden - With sensory planting and imaginative play.

Performance Grove - Where a stage and instruments offer performance & musical play.

Artist Nook - An outdoor art studio with a variety of art materials and mediums.

Adventure Playscape - A climbing, swinging, and spinning zone that feeds the vestibular system and large motor play needs.



Construction Cost - \$450,000

Date of Completion - 2019

Services Provided - Landscape Architectural Concept Design, Accessibility Consulting, Community Workshop, Cost Estimating, Construction Documents, and Construction Assistance



Legacy Grove Park Adventure Play Area

Winchester, KY

Relevant Project Experience

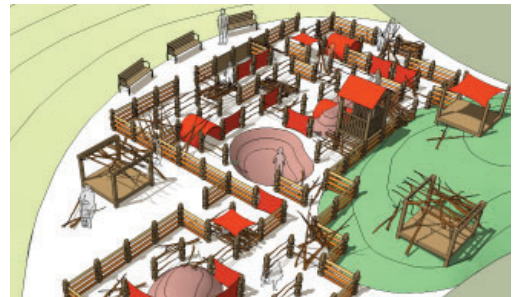
The Greater Clark Foundation strives to make Clark County, Kentucky, one of the best places in the country to live, work and play. Their redevelopment of this hospital site centered around a 2 acre playscape and adventure area. Learning Landscapes Design started the design process with a series of STEM (Science Technology, Engineering and Math) based classroom workshops with local youth and a hands-on community workshop. The design grew out of the ideas generated by the youth. The elements were organized in an effort to meld the two local bio-regions Appalachia and Bluegrass together through play. The goal was to offer active and creative play. Activities include; an exploration creek, boulder and log climbing, custom dulcimer climber, swinging, spinning and a loose parts building area. The exploration creek is a recirculating water feature that mimics a local creek and offers chances to get your feet wet, dig and explore. The loose parts building maze is a section of the park with posts on a regular grid over undulating hills. Park visitors can use loose fabrics, sticks and other elements to build maze and fort elements. This part of the park is designed to be creative and dynamic. It allows for free play and will be different every time the child visits. In a society where screen time and scheduled activities are the norm, Legacy Grove offers a chance for families to escape the hectic day to day and relax while connecting to nature and neighbors. The project is universally accessible, nature based, and the central feature for this new community park.

Construction Cost - \$1,500,000 for the playground, \$2,500,000 for the park

Date of Completion – Winter 2018

Services Provided – Student STEM series of classes, Community Workshop, Concept Plan, Costing, Design Development, Construction Documents, Services During Construction, Safety and Maintenance Approach Document.

Percent Completed by LLD - 85% Learning Landscape was the lead consultant.



References

The following reference can give you a good idea of the Learning Landscapes Design Team's skills and expertise. Two Reference letters have been included for your use as needed pages 23-24.

Rod Wojtanik, Metro: Parks and Nature Planning Manager

503-797-1846 Rod.Wojtanik@oregonmetro.gov

LLD and Lets Play recently finish the Oxbow Regional Park project with Rod Wojtanik. This design included 2 fully accessible nature play areas at this Portland Metro area park. Rod can speak to our overall character, conceptual design, project management, community involvement, quality and buildable construction documents, and construction support.

Ken Warner Parks and Recreation Director: City of West Linn OR

503-742-6049 kworchester@westlinnoregon.gov

In the last few years LLD has worked on 3 play area projects for Ken (White Oak Savannah, Sunset Park, Sahallie Park). He can speak to our overall character, conceptual design, site selection, community involvement, construction documents, and construction support.

Amy Dorr Executive Director : Montclair Community PreK

973-509-4500 Ext. 13 amy.dorr@montclairprek.org

Amy is the director of the Montclair Community PreK. Her vision was to create a facility that functioned for her preschool and served the entire community off hours. The resulting space is focused on young children and is accessible. She can speak to Kerry's project management skills as well as the firms work from concept through construction.



Spinning equipment with a supported back helps include users with lower core strength. Rocking and spinning equipment stimulates the vestibular system.



A variety of sensory experiences add interest for everyone and shift the play focus away from physical abilities.

8 Pathways with a variety of textures and even small bumps let users participate at their own level.

TECHNICAL PROPOSAL

PROJECT UNDERSTANDING & APPROACH

Project Understanding

The Village of McFarland understands that access to play should be a universal right for all children. The addition of a single inclusive element in a playground adds interest, but leaves some users without a sense of togetherness that is so important in building community. Universally accessible playgrounds are playgrounds that offer broad-spectrum solutions that produce environments that are usable and effective for everyone. This is inherently different than accessible, inclusive, and ADA compliant spaces. Learning Landscapes strives to create spaces for people of all ages and abilities to play, interact, and learn. We put children and their families at the center of the community and build amenities that attract them and meet their play and learning needs at any level. We will start and end the design with “Community togetherness through play.”

Like many communities the Village of McFarland and the surrounding communities offer some accessible recreation opportunities peppered within their current system. Depending on installation, maintenance and design these amenities can vary in their effectiveness. Many parents and care givers are frustrated when a website states ‘inclusive play’. Parents of differently-abled children are used to speaking up and advocating for their children. They do so tirelessly. It is our duty to truly listen. Our team will respond with designs that are truly universally accessible. By designing spaces that are comprehensive and create whole experiences with lots of options. Our designs are dynamic and engaging. We meet each child where they are and provide opportunities for them to grow.

Design Approach for Main Project Issues

Universally Accessible Play Area Knowledge and Depth of Understanding

The Americans with Disabilities Act (ADA) aims to make sure that people with disabilities have the same rights and opportunities as everyone else. We understand that ability is a spectrum and people land at each point along the spectrum. It is hard to define national design solutions that work for everyone. ADA design solutions focus mostly on physical access for people with mobility and vision issues.

We have found these to be greatly lacking in addressing the daily issues of families experiencing disability. Learning Landscapes Design has conducted numerous interviews and sat at tables with groups of accessibility advocates and parents. Through conversations and many design alternatives we have developed a deeper understanding of what families need to support community togetherness. Some are big, expensive changes and some are small, thoughtful details. Below are examples of the range of solutions and features we will review and evaluate.

Lila is 12, she is the oldest of 3 children in her family. Her severe cerebral palsy has left her wheelchair bound and mostly blind. She loves speed and feeling the wind on her face. Her parents find it frustrating when a playground is posted as accessible but has only one component that may or may not be a fit for Lila. They wish slides had a longer run out at the end so they had time to move from the top to meet Lila at the bottom of the slide in order to support her transition out of the slide. She can see changes in light and dark so placement of vegetation for shade and tunnels (solid or vegetative) add interest to her experience, which can tend to be more upward facing.



If we address a range of play abilities we often get a range of play ages too!



Carson's leg braces rarely slow him down! But, bridge slats with gaps or pinch points can.

Carson's mom finds lots of support in other families experiencing disability. Her playground goals are for play and building community. Carson is a very active 4 year old with spina bifida. His mobility has been supported by a wheelchair, walker, and leg braces. Lately he does not use any support devices! His low sensory input in his legs makes him tend to 'beat them up' or test them by jumping from high points and looking for lower extremity sensory input. For Carson, having a high jump point with surfacing that exceeds the minimum 'impact attenuation' need protects him as he challenges himself.

Vivian has sensory processing disorder. She is oversensitive to things in her environment. She loves to play with other kids and is very creative. Her parents find ways to support her experience including ear protection to minimize the noise of play and full boots to reduce irritating foot sensations. Playgrounds that work well for Vivian have quiet corners where she can have parallel play with peers. A controlled amount of sensory input helps her increase her range of abilities. She does not want wet feet, but she loves to pump the water pump for her friends in the sand pit.

Universal accessibility does not come in one size, shape, or solution. It is about people and meeting their needs for access, joy in play and togetherness. We will help you address your community's needs with effective and specific design solutions. This happens from concept design and location of elements through to construction detailing. Mara Kaplan will provide a second set of expert eyes on the accessible components of the design at location selection and concept stage of the project. Good design begins with a conversation and carefully listening to your community.

Experience Working with the Community - Public Involvement

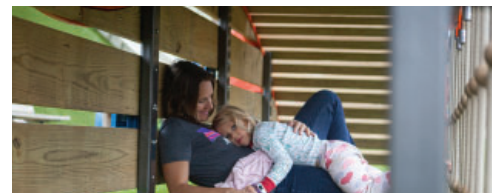
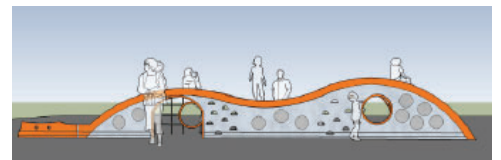
The more we design play spaces the more important we think it is to involve the community in the design. Kids understand the feeling of a place, they have unique ideas and make the design truly reflect the community. We like workshops where people of all ages and abilities can review ideas and photos and can give hands-on design ideas. Model building stations offer young people a chance to express their unique ideas while getting sensory and play opportunities. We will have stations for more quantitative feedback and conversations. This helps solidify the findings from what we see and hear in the play activity.

Our team has proven ability to appeal to a wide audience and incorporate public comment into plan. Through intimate conversations with various community members, we can develop unique solutions and approaches. Anyone can pick out accessible playground equipment in a catalog. Our solutions are unique and reflect the community they serve.

For example, a Kentucky community voiced their frustration with large play structures and ramping systems. They felt ramps were hard to negotiate and serving only one wheelchair user at a time. Those that could not transfer out of their wheelchair and slide often had little to do once they reached the top. They felt elevated platforms were too small and children in mobility devices were 'in the way' once they reached the top. Our design solutions included a series of low features where play could happen under, next to, and around the main feature. Children in mobility devices were never very far away from peers. This custom dulcimer instrument spoke to the local bluegrass culture and had places for quiet retreat and musical sensory investigation as well as physical play. (see progressive design imagery to the right)



Vivian enjoys side by side sensory play with support elements.



The design progression of the dulcimer climber. It creates spaces for wheel chairs and walkers to be underneath as well as quite spaces and sensory play. The blue bells above have wood mallets for sound play.

Experience working with Public Agencies

Public agencies make up our biggest client sector. We understand you have a responsibility to your community to provide services at a reasonable cost and to be able to maintain those services over the lifetime of the improvement. Understanding the level of service of surrounding parks and play areas will help us frame and support the need. Public agencies typically have an approval process with liability and permitting check points. We use National ASTM standards on all playgrounds and have certified playground safety inspector (CPSI) registered staff. Public bidding is something we help many of our client navigate. With custom components, a clear set of construction documents (CD) becomes your agreement with the contractor about what they are getting paid to build. Learning Landscapes Design compiles complete CD sets that meet permitting requirements and are buildable by local contractors. We have very few issues in construction that stem from unclear drawings or specification requirements.

Experience Meeting Project Schedules and Budgets

Schedules and budgets are the framework in which design and development work happens. Our entire team is highly dedicated to meeting your schedule needs. We have yet to miss a deadline. We also know that schedules change and adjust when effected by outside forces. Our team can be flexible if your needs change. Budgets for equipment are pretty straight forward, but on custom playscape features costing can be tricky. We have constructed features in many ways and can help you decide which approach fits your budget. We have an extensive library of bidding and estimating costs that we can apply to your materials and elements. Our billing rates are at or below the average for experts in our field. We work efficiently in order to make the most of your project funding.

Method For Completing The Scope of Work

Our method for approaching your work is three fold.

- Understand What is Existing and What is Needed -This will be a combination of our *Existing Level of Service Site Inventory* (task 1.2), program discussion with your core team (task 1.3) and community listening session (task 2.2).

- Careful Site Evaluation to Identify Opportunities - What each site offers will greatly effect the possibilities both of the spatial organization and the approach to inclusivity and play. We will look closely at three sites and provide site diagrams that show the opportunities and character of three different approaches to inclusive design (task 2.1).

- Thoughtful Design So Intent is Carried Through - Learning Landscapes Design is skilled at taking the program, site and play feedback and layering it into one concept design that is buildable and maintains the intent shared by the community. While many universally accessible details are developed later in the design phase, organization of space and intent plays out in the concept level designs (task 3.1)

Here is a quick example how this may play out. The inventory shows that there are some ADA play components but no universally accessible sensory play features within a 20 mile radius on one side of the village. Staff and community members review the *site evaluations and design approaches* and agree that a sensory trail design option located in the 'play defect area' meets many of their needs. Learning Landscapes Design creates a concept plan from these conversation that considers each families experiences from leaving their car, through a loop trail with a variety of play stations, using support facilities and opportunities for building community.



This accessible loop trail with play activities and events address parents frustration with a lack of access to nature. The path was carefully set in the forest so visitors can reach out and touch plants.



Scope of Work

Task One: Project Start Up

Task 1.1 Project Start Up Meeting - Phone Call

We will talk over your vision and goals for the project. We can look over this proposal, scope, and how the project will be structured. Finally a discussion about our initial site visit and meeting would help us prepare for the coming tasks. This will include the organization of the core team meeting and how best to get feedback from your team. We will review any other existing documents about the sites, foundation, and relevant community issues that you can supply.

We need from you: Signed contract and any background information.

We will deliver: Meeting notes and meeting outline

Task 1.2 Background Review and Level Of Service Inventory

We will review existing site documents including, but not limited to, Parks and Open Space Plans, Comprehensive Plans, Strategic Plans, and Annual Budget as applicable in order to get a comprehensive understanding of your community and it's playground needs.

Level of Service Inventory: We will complete some in-person and some digital reviews of existing playgrounds in your community and in the surrounding area. This will allow us to identify any play or accessibility gaps and opportunities. We will review websites for site attractions and web description content 'value' and will follow up with site visits for the most inclusive sites.

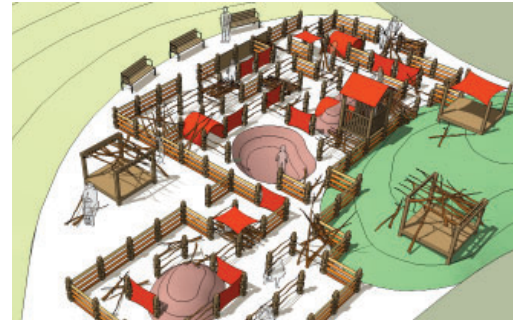
Our Level of Service Inventory will review or consider:

- Type of play (Physical, Sensory, Imaginative, etc.)
- Amount and quantity of accessible play components
- Graduated levels of challenges (is the equipment provided meeting a varying level of different skill levels)
- Surfacing
- Age range served
- Character of the design or space
- ADA support services (accessible pathways, rest rooms, drinking fountains, parking spaces, wayfinding, fencing, etc.)

We will deliver: Level of Service Inventory diagram at the core team meeting. The diagram will show locations of select parks in the surrounding area and their existing universally inclusive and ADA play and site amenities based on the considerations listed above.

Task 1.3 Initial Site Visits and Core Team Meeting - In Person Visit

An initial visit will help familiarize us with your team, your goals and your sites. We propose that this first visit is a core team meeting and extensive site investigation visit.



12 Nest swings offer supported group swinging for everyone!

Site Tours and Observation: We will take time getting familiar with your park system and the sites you would like to consider for the play area. We will look at elements such as views, vegetation, drainage, slope, and lines of access. This will give us a better idea of the spaces and possibilities.

Core Team Kick-off Meeting: We would meet with your core team and discuss the project. This may include; village planning/public works staff, facilities staff (CPSI staff member if possible) and other stakeholders. We can narrow down the appropriate topics together. They may include;

- Introduction to Learning Landscapes and how we work.
- The basics behind Inclusive Design (Input from Mara Kaplan @ Let Kids Play!)
- Common accessible design features with lots of imagery
- Project examples
- A discussion of the spectrums of play and the scope of the project
- Then we will discuss the design in depth. What are the goals of the project? What are the key site elements? What are the site opportunities or constraints? What materials are regionally available and make sense to use on the project? What is the correct balance of off the shelf vs. custom equipment?
- Through discussion of these topics the group will develop a preliminary program, design themes, and initial design parameters.

We need from you: Organize the meeting and gather stakeholders.

We will deliver: Meeting notes including; program preferences and site observation list.

Task Two: Site Evaluations and Design Approach Options

Task 2.1 Evaluation of Three Locations

Once we have met with your team we will evaluate three of the sites, that we narrowed down as a team, and develop a design approach option for each site. These design approach options will be presented in the form of a bubble diagram. Site Evaluation and Design Approach Options will consider site characteristics such as:

- Grading
- Existing vegetation
- Location in the community
- Existing rest rooms, parking, and other accessible amenities
- Ecological value
- Phasing opportunities for future development and layering of needs

We need from you: Pertinent surveys with topography, architectural and existing/future landscape plans

We will deliver: (1) bubble diagram with a unique list of program elements for each site, for a total of (3) different site evaluations and design approach options.



Our public meetings go beyond sticker voting on pictures and include sensory and creative opportunities.



Task 2.2 Meeting to Review Site Evaluations - Digital Meeting

The three site evaluations and design approaches will be presented and discussed with your core team. We can talk over specifics of the options. At this point we can identify any changes that need to be made in development of the final graphics and we can talk over how the options effect resources and construction approach. Together we will:

- Decide if the options meet the site characteristics.
- Discuss the variation in options and the character of the resulting spaces.

We will deliver: Meeting notes and any changes before the public meeting.

Task 2.3 Community Listening Session Open House- In Person Meeting

Learning Landscapes Design excels at community involvement. We focus on meeting the community where they are and providing a fun and engaging process. We believe it is critical to connect with the community and the target audience through the design process. We will help lead a hands-on community workshop with multiple interactive stations for engaging in conversations about what will be best for the park including model building and sensory stations. We will work with City staff to make reasonable accommodations for community members with varying abilities to participate. This may include additional staff to assist in describing and reading elements. Room organization with lots of open space for maneuvering and basic services provided.

We need from you: Gather materials that are too large for us to bring (sticks, log slices, sand, etc.). Don't worry we will give you a list and lots of time to prepare.

We will deliver: Images for sharing and voting, play elements and supplies for the workshop. Lots of excitement and energy. Notes from the public meeting.



Task 2.4 Community On-Line Surveys

We know families lead busy lives and evening meetings interfere with dinner and home work. Weekends are often full with prior commitments. Families with children experiencing disability can often find in person meetings exponentially more challenging. We like to offer families a chance to offer ideas and comments online. We will develop a short online questionnaire to gather feedback.

We need from you: Gather the names and contact information of members and organizations in your community that want to participate or would be beneficial in participating in the survey. Distribute the survey link via email or on your municipal website.

We will deliver: An online survey with a short list of questions to gather public input.

We will collect and analyze survey results.



While maintaining a natural feel, this play creek offers three points of flush access including places to hold your hand in rushing water.

Task Three: Concept Designs

Task 3.1 Develop Draft Concept Plan and Design Imagery

After the above project start up we will have chosen a site and will have a good sense of what the design will include and how the elements might be structured. We will prepare a schematic site plan identifying the locations, sizes, and relationships of elements. This includes horizontal and vertical geometries, preliminary playground design and parking area layout (if needed). This will translate the vision into a buildable concept that fits the site characteristics. These site plans will be roughly 1" = 10'. Accompanying the plans will be imagery that describes the character of the different features and areas.

- 1- The concept plan will be based on direction from the park district but will also consider liability and safety. We can help identify the major concerns for any play areas so they meet the **ASTM** (American Standards of Testing and Measurement) and **CPSC** (Consumer Product Safety Commission) guidelines.



- 2- **Long term maintenance** will also be considered in the design. We have 18 years of experience designing play, park, and school environments and can help identify areas that will require more maintenance as well as develop design approaches that will reduce maintenance input.
- 3- The design will consider **Universal Accessibility** and account for users with a wide range of abilities. We utilize some of the ways 'Let Kids Play!' thinks about universal accessibility including; access, having some level of play that challenges everybody, making sure the most exciting element is accessible to all and providing clear online information for visitors to self evaluate if the park is right for them and prepare for their visit.
- 4- We will develop a spreadsheet with quantities and elements in the design. We will provide estimated costs for any features, surfaces, and playground equipment. We have extensive experience estimating costs of equipment, surfacing, and accompanying elements.

We will deliver: Schematic plan, preliminary costing, accompanying imagery board, perspectives and imagery of all equipment for one site.

Task 3.2 Draft Concept Review Meeting - In Person Visit

The plan will be presented and discussed with your core team of stakeholders. We can talk over specifics of the design. We can discuss each element and the overall organization of play zones. We will check in to confirm that we are meeting the project's program and accessibility goals.

We need from you: Provide a single set of comments

**** Any large scale changes that are made after this point will be considered an additional revision to the plan. These revisions will be billed hourly in addition to the total of this proposal.**



This is an example of how log climbing was provided at a park for a variety of abilities. Low steppers for young users and those that need less challenge. You can see the bottom of the transfer handle (grey) in the photo. Mid height logs that are a variety of heights and tall pieces with lots of room to jump. At Oxbow Regional Park the sand is 40" deep and offers a wonderful existing impact surface for a climbing area. But, we know sand is not accessible for people with many mobility issues. In order to balance budget and meet a wide variety of play needs a sand surface was used under the more challenging features and a compatible artificial turf surfacing was used under the features designed for use by people with reduced mobility.

Task 3.3 Final Concept Plan and Costs

Our team will develop a final universally accessible play area concept plan for the project. This plan will incorporate any feedback received to this point. The plan will be a color rendering at roughly 1" = 10' scale. This plan will be appropriate for sharing the site vision and marketing. It will include photos or graphics to appropriately convey the experience and design ideas. The ability to construct from this plan, based on the detail, will be limited. But, the plan will have imagery to show character and will clearly label all elements.

Accompanying the final plan will be an estimate of probable costs. It will list the quantities of each material and cost assumptions. These costs can vary based on which contractor eventually installs the project, detailed design and construction approach.

We will deliver: Final concept plan, estimate of probable costs

Task 3.4 Community Concept Presentation

We will return to present the final concept plan to the community. This will be more of a presentation style meeting where current design thinking and direction are shared. The community will have a chance to give their feedback and opinions of how well the design meets their needs.

We will deliver: Final concept plan, estimate of probable costs

Task 3.5 Preparation of Final Report

We will prepare a final plan document that contains the level of service investigation, implementation schedule, detailed conceptual drawings, narrative description of recommended improvements, visual examples depicting recommendations, estimates of probable costs, and associated narrative in order to present a complete document. The final report will reference and integrate the directions and findings from the community workshop and online survey as well as the park and open space plan, comprehensive plan, and village strategic plan.

We will deliver: Final Report in PDF format

Task 3.6 Present Final Plan and Report

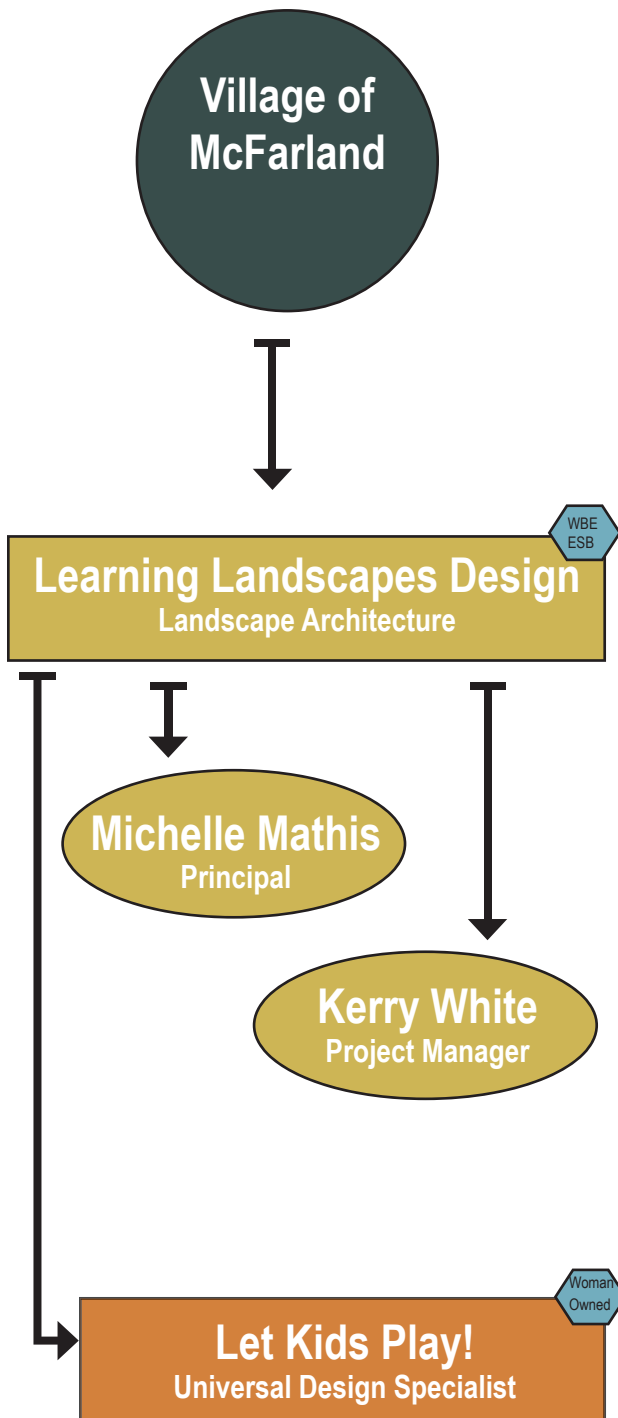
We will present the final report to the Parks Committee and Village Board. Our team will talk the group through the process that was completed to get to the recommended design from level of service to concept design and costing.

We will deliver: Final report presentation in PPT format.

Estimated Labor Hours

TASK				Learning Landscapes			
				Role:	ADA Review	Principal	Proj Mgr.
				Hourly Rate:	(\$200/hr)	(\$120/hr)	(\$80/hr)
							Proj Staff
							(\$75/hr)
1.0		Project Start Up			7	7	42
	1.1	Task 1.1	Project Start Up Meeting - Phone Call			1	2
	1.2	Task 1.2	Background Review & Level of Service Inventory			4	24
	1.3	Task 1.3	Initial Site Visits and Core Team Meeting - In Person Visit			2	16
2.0		Site Evaluation and Design Approach Options			4	6	37
	2.1	Task 2.1	Evaluation of Three Locations		4	4	28
	2.2	Task 2.2	Meeting to Review Site Evaluations - Digital Meeting				2
	2.3	Task 2.3	Community Listening Session Open House - In Person Meeting				5
	2.4	Task 2.4	Community Online Surveys			2	2
3.0		Concept Designs			5	12	72
	3.1	Task 3.1	Develop Draft Concept Plan and Design Imagery		3	4	20
	3.2	Task 3.2	Draft Concept Review Meeting - In Person Meeting				5
	3.3	Task 3.3	Final Concept Plan and Costs		2	4	8
	3.4	Task 3.4	Community Concept Presentation				5
	3.5	Task 3.5	Preparation of Final Report			4	20
	3.6	Task 3.6	Present Final Plan and Report				14
Individual Totals (hours)					16	25	151
							66

Proposed Team Organization



Our team has proven experience and the ability to provide all the required services for project success

Learning Landscapes is a team of landscape architects, educators, and certified playground safety inspectors. We specialize in play in all its forms. We will lead the design team and be your main contact. We excel at exciting and engaging public involvement. Our firm works across the US and has completed successful projects that are on time and on budget with a wide variety of public agencies.

As principal in charge Michelle Mathis will be in charge of contracts and invoicing as well as quality control and design review.

Kerry White is a skilled project manager and will be your daily point of contact and lead designer.

Other LLD production staff will be brought in as needed. We are a small firm and everyone in the firm will be closely involved in the project.

Mara Kaplan of 'Let Kids Play!' is a national renowned universal play specialist. We work with her often to look over designs with an accessibility lens and help select the best accessible play equipment. We enjoy working with her because she is practical, creative, and understands the issue from a parent's perspective. Mara will look over the drawings at each submittal. She has a thorough and thoughtful checklist she will apply to the drawings to maximize play for all.

Learning Landscapes Design LLC

Michelle Mathis
Principal



Michelle Mathis is a landscape architect with over seventeen years of experience managing and designing spaces that connect young people through play. After 5 days of biking through the mosaic of children's outdoor spaces in Berlin her path was ever changed. She started Learning Landscapes to work on projects that reach out to diverse communities in a tactile and play based way. She has a Master's Degree in Education with a focus on whole systems design for education, which she couples with her strong design sense to create spaces that are engaging and intrinsically support learning. Her most impressive skill may be her ability to truly listen and respond to client needs. As the leader of a small renowned design firm, she plays a part in every project the firm completes.

Professional Licenses and Affiliations

- Licensed Landscape Architect
- Certified Playground Safety Inspector - National Parks and Recreation Association
- Masters in Education - Focus on Sustainable Design for Education
- Founder and Member of Oregon Natural Play Initiative - Part of the Oregon Recreation and Parks Association
- Steering Committee Member - National Wildlife Federation's National Guidelines for Play and Learning
- Completed the Permaculture Design Certificate

Education

- Master's Degree in Education: Leadership for Ecology Culture and Learning, from Portland State University, Portland OR
- Bachelor of Science Degree in Landscape Architecture from The Ohio State University, Columbus OH
- Studied Studio Art at Indiana University, Bloomington IN

Awards

- Oregon 2014 ASLA Honor Award Westmoreland Park Design
- P3 Award Winner, Environmental Protection Agency Competition focusing on People, Prosperity and the Planet, 2005-2006 and 2006-2008
- Ohio State Presidents Salute to Excellence, 2002
- Landscape Architecture Faculty Award, 2000

Relevant Project Experience

- Oxbow Regional Park Accessible Adventure Playscape, Sandy, OR
- Montclair Community Pre-K and Preschool Park, Montclair NJ
- Cleveland Zoo Discovery Ridge Play Area, Cleveland Ohio
- Lake Olathe Natural Play Area
- Gilbert Children's Museum - Inventors Yard, Salem OR
- Legacy Grove Accessible Adventure Play Area - Winchester KY
- Champoege State Park Play Area, St. Paul OR
- Fry Family Park Watershed Playscape Canton OH
- Willow Creek Community Playscape Timball TX
- White Oak Savanna Playground, West Lynn OR
- Touchmark Community Inter-generational Play Area
- Wild Rock Nature Meadow Playscape, Albemarle County, VA
- Gateway Park Play Area, Portland OR
- Mountainside Community Play Acre, Truckee CA



Learning Landscapes Design LLC

Kerry White

Project Manager/ Landscape Architect



Kerry White is a landscape architect with eleven years of experience designing a wide range of projects throughout Oregon and Idaho. She has managed small and large scale projects from concept to construction documentation and implementation. She has years of experience designing, detailing, and coordinating eco-roofs, stormwater facilities, on-structure sites in the urban environment, and playscapes. Her focus is on urban design, playground design, and site planning projects that promote education and encourage a healthy lifestyle.

Kerry grew up in central Illinois and Wisconsin. Her interest in nature play design evolved from her own childhood environment, where she was surrounded by nature from a very young age. She has a Bachelor of Landscape Architecture from the University of Wisconsin - Madison, where she found her true passion for play-scape design while volunteering in playground construction and early education design workshops.

Kerry has been highly involved in the design community through her past volunteer work as an ACE Mentor. She enjoys exploring the outdoors, running, biking, swimming, and educating her children about the importance of our connection with nature - through play and exposure to the outdoors.

Professional Licenses Past Work Experiences

- American Society of Landscape Architects (2004-Present)
- Licensed Landscape Architect (OR and ID)
- Certified Playground Safety Inspector

Education

- Bachelor of Landscape Architecture, University of Wisconsin - Madison

Community Involvement and Interests

- ACE Mentor, Team Captain (2014- 2017)
- Grant High School Career Day Presenter (2015)
- Guest lecturer to the Art Institute of Portland's Green Design Program (2014-2016)
- U of O A&AA Career Symposium and Portfolio Review (2012-2016)

Relevant Project Experience

- Oxbow Regional Park Accessible Adventure Playscape, Sandy, OR
- Montclair Community Pre-K and Preschool Park, Montclair NJ
- Cleveland Zoo Discovery Ridge Play Area, Cleveland Ohio
- Lake Olathe Natural Play Area
- Gilbert Children's Museum - Inventors Yard, Salem OR
- Legacy Grove Accessible Adventure Play Area - Winchester KY
- White Oak Savanna Playground, West Lynn OR
- Willow Creek Community Playscape - Timball TX
- Sierra Expeditionary School Elementary and Middle School Playscape - Truckee, CA
- Oregon Episcopal School Elementary Playscape and STEM design course
- Touchmark Community Intergenerational Play Area - Boise, ID
- Pacific Crest Community School Site Master Plan
- ESD 113 Sound to Harbor Early Learning Programs Pre-school Accessible Playscapes - Rainier and Elma, WA Sites



Let Kids Play!

Mara Kaplan MBA
Inclusive Play Specialist



Let Kids Play (LKP): LKP is a consulting business started by Mara Kaplan. The business focuses on working with non-profit organizations, community groups, landscape architects, parks & recreation departments and corporations to increase the amount of inclusive recreation available. Let Kids Play is also the editor of accessibleplayground.net the website and home for everything about accessible playgrounds.

Education

- Indiana University B.S., Elementary Education and minor in Gifted Education 1980-1985
- Boston University MBA with a concentration in Non Profit Management: 1988-1990

Center for Creative Play (CFCP): CFCP was founded in 1995 by Mara Kaplan and four other parents who are raising children with disabilities. CFCP was an inclusive playspace located in Pittsburgh where children with and without disabilities could come and play together. Mara was the organization's only Executive Director. She grew the organization from one staff person with a \$100,000 budget to one with 18 staff and a \$1m budget. She also grew the number of visitors from 1,000 per year to 45,000 per year.

Within 5 years, the organization outgrew its original 5,000 sq. foot building and purchased a building to create a 15,000 sq. ft. playspace. At this point, Mara took the organization from one with just local impact to one with national impact, by replicating CFCP in other locations, leading training sessions across the country and helping children's museums improve their universal design. In 2007, CFCP impacted 1,000,000 children across the country by providing improved play environments for them.

Professional and Community Service

HeadStartBodyStart, Reviewer for HSBS preferred provider program 2010
Leadership Pittsburgh, Class XIV, 1998
Temple Sinai, Inclusion Task Force, Chair 2015-Current

Awards

WDEQ's Forty under Forty, 2002
Shore/Whitehill Award for Contributions to improve the lives of persons with special needs, 2002
Exemplar Congregation Union of Reform Judaism 2017

Recent Similar Projects

Client: Learning Landscapes Designs, Portland, OR
• Participated on team to design an inclusive, nature playground at **Oxbow Park, a project of Metro Parks, Oregon**

- Participate on team to design an inclusive, nature playground at **Legacy Grove Park sponsored by the Greater Clark Foundation in Kentucky**
- Participated on team to design an inclusive, nature playground at **Mountclair Community PreK Park, Mountclair, NJ**
- Provided training to teams
- Led session to gather community feedback
- Review design at each stage of projects

Client: PlayPower, Huntersville, NC

- Editor of the **Inclusive Play Design Guide**
- Manages the inclusive play program for three brands: **Playworld, Miracle Recreation, and Little Tikes Commercial**

Client: Greenworks, Portland, OR

- Participated on the team to design an inclusive playground in **Couch Park, a project of the Portland Parks and Recreation**

Client: Larkin's Place, Champaign, IL

- Provided initial training on universal design and on collecting community input for **Larkin's Place**
- Wrote Business Plan which resulted in \$1m lead grant



Schedule

The following is our proposed schedule, however we are flexible and can make adjustment to meet your needs. A more formal schedule will be prepared upon project award.

Contracting	April
Background Review & Level of Service Inventory	April - May
Initial Site Visit & Core Team Meeting	May
Evaluation of Three Locations	May - June
Meeting to Review Site Evaluations	June
Community Listening Sessions Open House	June
Community Online Survey	June
Develop Draft Concept Plan & Design Imagery	June - July
Draft Concept Review Meeting	July
Final Concept Plan and Cost	July - August
Community Concept Presentation	August
Preparation of Final Report	August
Present Final Plan and Report	September

Cost Proposal

Lump Sum Fee Proposal

\$27,005

This total lump sum fee of twenty seven thousand five dollars is a lump sum fee. It will be billed monthly as the project progresses.

Additional Fees

Hourly price to complete any additional items not identified in the above Scope of Work.

\$200/hr Universal Design Specialist

\$120/hr Principal

\$95/hr Project Manager

\$75/hr Staff Designer

Assumptions

1. Client responsibilities have been included in phases to clarify client role. It is assumed the client can complete these tasks.
2. There will be no large project changes late in the design, for example extents of the area being designed or program changes. The site program is reviewed and approved in task 2.2 during concept design review and any changes after are an additional service.
3. Client can provide concise and timely feedback at the points identified.
4. Client agrees to promptly notify contractor if Client's schedule or budget changes. Client acknowledges that significant changes to the project construction schedule or budget, or to the project's scope may require additional services of contractor. Fees for additional work, beyond the scope of work as outlined in this agreement, will be invoiced on a time and materials basis based on a billing rate of \$120 - 75\$/hr. We will notify you before performing additional services.
5. Learning Landscapes will not be responsible for parking lot layout, site fine grading, sidewalk paving in the right-of-way, underground utilities including drainage features, design of stormwater treatment structures and calculations. Excluded services are not a part of Learning Landscapes Design LLC's services and are the responsibility of others. Excluded services include, but are not limited to, the following: Arborist report, subsurface conditions; soil issues (including suitability for plant material, soil content, level of compaction); lot line location; drainage; utilities' location; security; lighting; and engineering.
6. Learning Landscapes shall render its services as expeditiously as is consistent with professional skill and care.
7. The Client acknowledges and agrees that proper project maintenance and inspection will be required after the project is complete. Without adequate maintenance and care on the part of the Owner, portions of the landscape may never function in the manner intended, or safety and risk opportunities may arise resulting in a design that does not achieve the original intent expressed by the designer to the Client. Inadequate maintenance may result in damage to property or persons. Learning Landscapes Design LLC cannot be responsible for conditions or events that result from inadequate or improper maintenance.



600 NE Grand Ave.
Portland, OR 97232-2736
oregonmetro.gov

August 8, 2019

To whom it may concern:

It is my pleasure to share my experience of working with Michelle Mathis and Learning Landscapes. I have had the pleasure of working with Michelle a number of times over the past ten years. We have worked together on a wide array of projects ranging from play areas to large scale nature parks. I have found Michelle to be very customer serviced oriented delivering a quality product to her client. She is creative, thoughtful, and skilled at managing complex projects, engaging with project stakeholders, and community members in an effort to realize her client's project goals.

I would draw attention to two projects specifically. The first being Oxbow Regional Park play area. Metro hired Michelle to develop concepts for two inclusive nature play areas. Michelle worked with our park rangers and naturalists to develop a concepts for playground designs were then vetted with community stakeholders. These creative solutions were then submitted for a Land & Water Conservation Fund grant. Metro was fortunate enough to be awarded the grant; with the committee ranking our application #1 in the state. This was in no small part to the goals and concepts we were trying to deliver. Michelle then helped us develop schematic designs, construction documents and ultimately provide construction oversight. This project was opened to critical acclaim from kids throughout the region. Michelle has tremendous experience and is an incredible resource and partner at every step. She is communicative, responsive and mindful of long term management and operational challenges.

The Graham Oaks Nature Park Project was a complex project with multiple stakeholders and design objectives. Michelle, working for GreenWorks at the time, provided schematic design, construction documents, and construction administration for this \$2.2 million, 205-acre regional park in Wilsonville, Oregon. Michelle demonstrated a strong understanding of the goals of our agency and our desire to provide a meaningful nearby nature connection for the local community and adjacent school. Her design took into account the desire for a timeless design and aesthetic while also providing a positive visitor experience for the user of the nature park and the regional trail that bisected the site. Michelle's design and attention to detail provides a quality experience, universal access to nature, recreational and environmental learning opportunities for local community and adjacent neighborhoods and schools, and the meaningful integration of environmental art and interpretation.

Please don't hesitate to contact me if you have any questions about my experience working with Michelle.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rod Wojtanik".

Rod Wojtanik, RLA
Parks and Nature Planning Manager
Metro
600 NE Grand Avenue, Portland, OR 97232
(503) 797-1846 | rod.wojtanik@oregonmetro.gov



January 24, 2020

To Whom It May Concern,

On behalf of the City of Olathe Parks & Recreation Department, I am pleased to recommend the professional design services of Learning Landscapes Design, LLC (LLD). Michelle Mathis and the team at LLD created a unique and memorable destination nature playground for the City of Olathe that opened in late summer 2019 and has been well received by the community.

Initially, LLD led a nature-based community engagement and educational session that included over 100 local children and their families to gather information on what the community desired. The feedback received was successfully incorporated into the conceptual design for the playground. During the design process, the City of Olathe challenged LLD to use existing natural materials from the larger park construction project, and they stepped up to the task with enthusiasm. The design team chose trees for the playground from those that had to be removed due to road construction. Stone that was already on site was also used for playground construction. In addition, LLD was remarkably conscientious of existing site conditions and provided an excellent planting plan that was easy to install and maintain going forward.

As with any construction project, the Lake Olathe Nature Playground project had its share of surprises encountered along the way. Even from afar, the team from LLD continually offered practical solutions to keep the project moving forward. With excellent cost estimating, thorough and accurate construction documents, and cooperative construction support throughout, the project was completed on time and within budget.

As design consultant for the Lake Olathe Nature Playground project, LLD performed quality work that resulted in a destination playground the citizens of Olathe can be proud of and enjoy for years to come. I would not hesitate to hire Learning Landscapes Design again in the future, and highly recommend them for your playground design and construction project.

Sincerely,

Lisa Donnelly
Park Project Planner
City of Olathe Parks & Recreation

Village of McFarland Special Needs Parks
Core Team Meeting Notes

PURPOSE: Village of McFarland Special Needs Park – Core Team Mtg Notes

DATE: 6/2/20

TO: Matt Schuenke, Jim Hessling, Sayer Larson, Andrew Bremer, Heidi Wisniewski, Melissa Wiswell, and Rachel Jones

Meeting: 6/2/20 - Core Team Meeting

Attendees: Kerry White, Matt Schuenke, Jim Hessling, Sayer Larson, Andrew Bremer, Heidi Wisniewski, Melissa Wiswell, and Rachel Jones

Meeting Notes:

1. Kerry gave a presentation with the following meeting agenda:
 - Introduction to ADA and Inclusive Playgrounds
 - Inclusive Design Approach
 - Review Playground Inventory (Inventory spreadsheet was distributed to the core team prior to the meeting)
 - Examples of Inclusive Playgrounds
 - Types of Play
 - Overview of safety and maintenance issues
 - How should McFarland's inclusive play areas look and feel?
 - Identify three potential development sites.
2. One of the Core team members asked if there was a budget associated with the project. Sayer responded that there is no budget associated with the playground at this time.
3. Types of Play: It was discussed that the other parks in McFarland and other inclusive parks in the Madison area focus primarily on physical type play. This park should focus on the types of play that are not provided elsewhere. It should be sensory rich with less of an emphasis on physical play. The physical play items that are incorporated should include items that focus on movement and should be unique to this park.
4. Play elements should provide multiple challenge levels for safe risk taking.
5. Other examples of inclusive playgrounds that were mentioned in the meetings are:
 - Kayla's playground in Franklin, WI
 - Kenosha dream park in Kenosha, WI
6. The core team agreed that the new special needs park should be a standalone park.
7. Accessibility Goals: Everything should be inclusive and accessible.
8. Materials: The group agreed that a blend of natural and equipment would be good. Heidi mentioned it would be nice to have some natural elements like boulders for kids to experience climbing on them in a playground with safety surfacing and without having to travel out to a natural area.



9. The core team would like to see water incorporated but not sand. They have sand in other parks. It is messy, it travels, there are concerns about sand clogging the rubber surfacing, and it is a maintenance intensive element.
10. Surfacing: They are open to artificial turf and pour-in-place rubber. They would like whatever surface is easiest for maintenance.
11. This playground is not to be designed as a destination playground. It is to be designed to meet the needs of the McFarland community first, however it is understood that it might become a destination playground.
12. The Village of McFarland understands that there is a general need for parking and restrooms in their parks. It is not out of the question to add restrooms and parking to the design. The Village's goal is to do this project right.
13. Village of McFarland Themes: Lakes, Nature, Fire, and Community
14. Potential Development Sites: The core team decided to move forward to task 2.1 with the following sites: Cedar Ridge Park, Community Park, and Highlands Oak Park.
15. Next Steps:
 - Kerry to send out the presentation and the playground inventory spreadsheet to the team.
 - Learning Landscapes Design to proceed with task 2.1 and schedule a meeting to review site evaluations (task 2.2) in late June/early July.
 - The team to meet again in the next couple weeks to discuss methods and format of community involvement (task 2.3 & 2.4). Kerry to coordinate a meeting date/time.

END NOTES





Village of McFarland

*Special Needs Park
Planning Services*



OUR SPECIALIZED FOCUS

- Nature Playscape Design in Public Spaces
- Inclusive Play
- Outdoor Spaces for Learning
- Loose Parts in Play
- Multi-Generational Exploration Spaces



Intent of the Meeting

1. Introduction to ADA and Inclusive Playgrounds
2. Inclusive Design Approach
3. Review Playground Inventory
4. Examples of Inclusive Playgrounds
5. Types of Play
6. Overview of safety and maintenance issues
7. How should McFarland's inclusive play areas look and feel?
8. Identify three potential development sites

ADA vs. Inclusive Playground

ADA - Americans with Disabilities Act (ADA) design solutions focus mostly on physical access for people with mobility and vision issues.

Inclusive Playground – An inclusive playground addresses the needs of all people including those who have autism, intellectual disabilities, hearing impairments, cerebral palsy, spina bifida, and other disabilities. It also addresses the needs of typical children. An inclusive playground accommodates everyone and challenges them at their own developmental level.

Inclusive Design Approach



Inclusive Design Approach

PLAY FOR ALL



Inclusive Design Approach

Graduated Levels of Challenge



Inclusive Design Approach

Supporting Children with Autism

- Perimeter Containment
- Orientation Path
- Quiet Retreat Areas



Village of McFarland



Learning Landscapes Design LLC

Inclusive Design Approach

Sensory

- Tactile
- Sand and Water
- Auditory
- Swinging
- Spinning



Inclusive Design Approach

Social Play



Solitary



On-Looker



Parallel



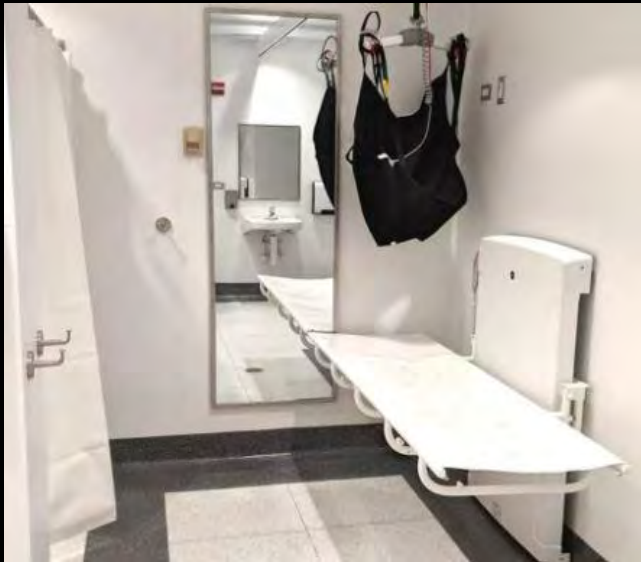
Associative



Cooperative

Inclusive Design Approach

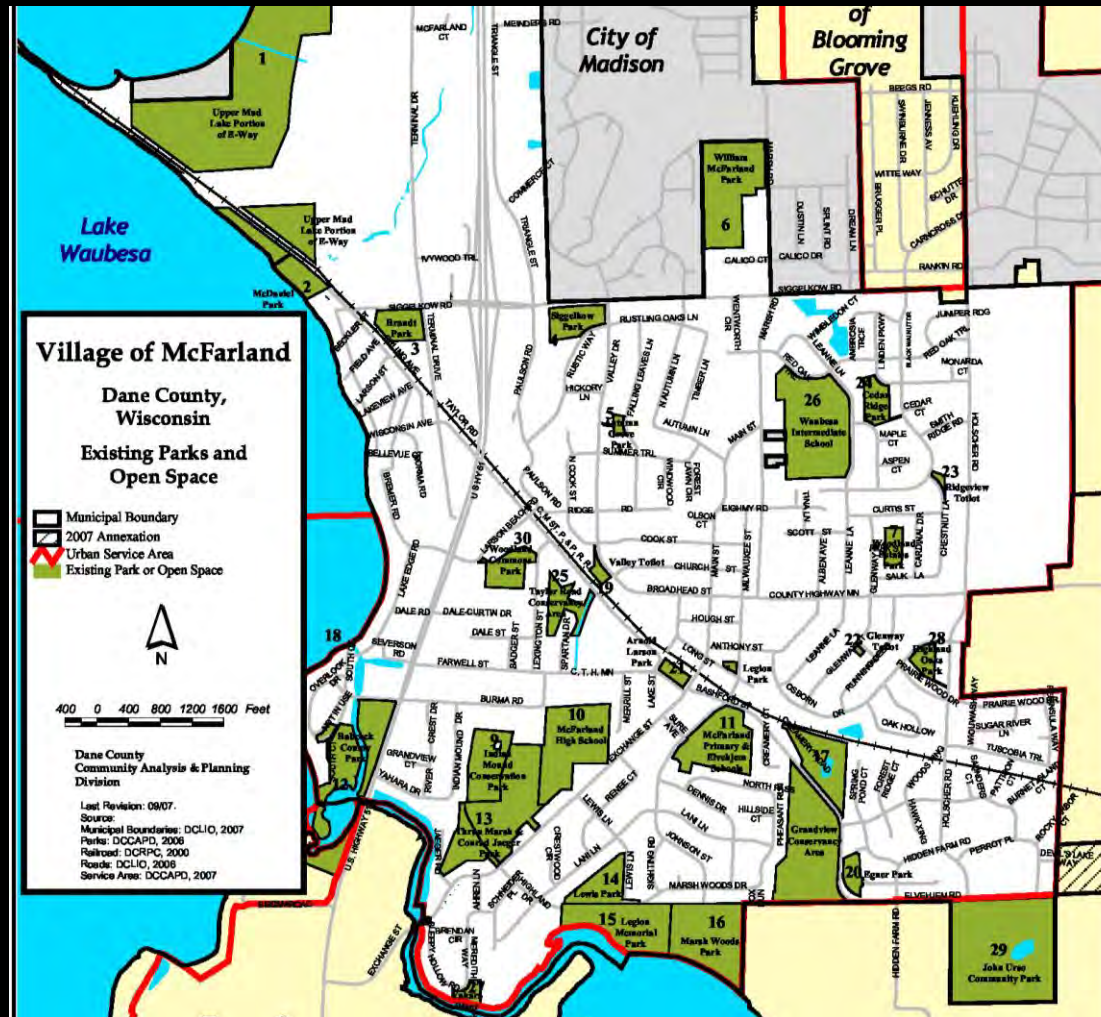
Support Facilities



Village of McFarland

Learning Landscapes Design LLC

Village of McFarland Playground Inventory



Village of McFarland Playground Inventory

Village of McFarland Parks

Park	Playground Description	Access to the Playground			Site Support Features			Playground Components			Type of Play	How to Improve the Site
		Accessible Parking	Accessible route to playground	Inclusive Play Surfacing	Accessible Restroom	Accessible Furnishings	Fenced Play Area	Types of Ground Level Components	Access by Transfer or Ramp	Best Inclusive Features	Variety of play types offered	
Autumn Grove Park	One play structure with multiple climbing options, tunnel, bridge, and slides. Additional components include a bending balancing beam, four swings (two belt swings and two bucket swings) and sand digging area.	● Street Parking	● No Path	● Wood Chips	● No Restroom Facility	● (2) Benches with backs located within chips area	● No	● (3) Sand diggers, swings, balancing beam (none accessible)	(1) Transfer Station, access to entire structure	Sand digging area, Access Ramp	Majority physical play with sensory play in the sand digging area and musical panel.	Provide a paved path to the playground ramp and sand digging area from the road. Add an accessible sand digger. Add an accessible swing in a new location along an accessible path.
Brandt Park	One play structure with multiple climbing options and slides and sand digging area.	● Street Parking	● Path is paved but not accessible	● Wood Chips	● Yes	● None	● Fenced along two of the four sides	● (4) music panel, stools, steering wheel, and sand diggers (none accessible)	(1) Transfer Station, access to one slide	Sand digging area, Access Ramp	Majority physical play with sensory play in the sand digging area and musical panel.	Providing a fully accessible pathway to the playground is going to be difficult with the existing grading. Instead focus on providing a wider range of play by adding a spinner and more imaginative play elements.
Cedar Ridge Park	One small play structures with bridge, overhead bars, and a double slide. Additional components include a spring rocker, four swings (two belt swings and two bucket swings), a net climbing wall, overhead rings, and sand digging area	● Street Parking	● No Path, however the play area is very close to the existing path and would be a minor modification.	● Wood Chips	● No Restroom Facility	● (1) Bench with backs located within grass	● No, Private residential fences on one side	● (2) Spring rocker and sand diggers (none accessible)	(1) Transfer Station, access to double slide	Sand digging area	Mostly physical play with sensory play in the sand digging area	This playground is a good candidate for complete replacement. If replacement is not an option, consider adding a short access path to the playground. There is a lot of underutilized play space, add accessible ground level components like spinners, balancing bar, and steppers
Discovery Garden Park	One rope climbing structure with slide. Additional components include a camp themed climbing area with log steppers and a grass play mound	● Parking Lot	● Yes	● Pour-in-Place Rubber	● Yes, access to restrooms in library during business hours	● (5) Benches with backs and armrest on accessible route ● (2) non-ADA picnic tables on a non-accessible route	● No	● (5) Log climber, log steppers, climbing tent, lowest hammock of rope climber, grassy play hill (all accessible)	(0) No transfer stations or ramps	Surfacing, Grassy Play Hill, Camp Theme Climbing Area, Rope Climber Hammock	Physical Play and Imaginative Play	This is a great play space! A couple minor improvements include adding a couple musical instruments for sensory play and providing at least one ADA picnic table with paved access.
Egner Park	Two playground structures. The larger structure has hex cube climbers with slide, stepping pads, and overhead bars. The smaller structure has three short slides, a climbing net, and overhead bars. Additional components include, seesaw, standup spinner, and 5 swings (two belt swings, one ada swing, one double-occupancy swing, and one bucket swing)	● Street Parking	● No Path	● Wood Chips	● No Restroom Facility	● None	● No	● (5) Seesaw, stepping pads, stand up spinner, accessible swing, bottom hex cubes (none accessible)	Larger Structure: (0) Transfer Stations, Smaller Structure: (1) Transfer Station	Spring SeeSaw, ADA swing,	All Physical Play	● This playground could be a great accessible play space with a few key improvements. Add an accessible path to the play area from the main pathway. Consider a pour-in-place rubber path to the ground level components. Replace the stairs on the smaller structure with an accessible ramp. To increase access to the park, parking stalls could be added along Creamery Rd. Provide accessible picnic tables under the overhang and accessible benches with backs throughout.

Playground Inventory – Autumn Grove Park



- Paved path to the playground and sand area.
- Add an accessible digger.
- Add an accessible swing with inclusive play surfacing along an accessible route.
- Add inclusive surfacing to transfer station and nearest slide.

Playground Inventory – Brandt Park



- Steep grading makes access difficult.
- Focus on providing a wider range of play by adding a spinner for motion and imaginative elements.

Playground Inventory – Cedar Ridge Park



- Good candidate for complete replacement.
- If replacement is not an option, new components could be placed in the under-utilized play area.

Playground Inventory – Discovery Garden



- Great variety play of in this park for all ages.
- Add musical instruments for sensory play.
- Add ADA picnic table on accessible route.

Playground Inventory – Egner Park



- This park could be a great accessible playground with a few key improvements.
- Provide accessible surfacing to ground level components.
- Modify smaller structure to include a ramp.
- Add accessible site furnishings and parking.

Playground Inventory – Highland Oaks Park



- Expand play area to include an accessible swing and spinner with accessible surfacing.
- Add some musical instruments on the concrete.
- Provide accessible path to picnic area.

Playground Inventory – Lewis Park



- Accessible surfacing to the transfer platform and nearest slide.
- Access path to the playground.
- Move sand area closer to the path with an accessible digger.
- Replace one of the swing with a group swing with accessible surfacing and access path.

Playground Inventory – McDaniel Park



- Replace rubber mulch with accessible surfacing.
- Add an accessible swing.
- Include some imaginative elements like a playhouse or cozy space.

Playground Inventory – Ridgeview Totlot



- Focus on providing a wider range of play by adding musical instruments for sensory play and a playhouse or cozy space for imaginative play.
- Add steppers and balancing in the open play space.

Playground Inventory – Valley Greenway Totlot



- Accessible path to the playground.
- Add musical instruments and a sand digging area for sensory play.

Playground Inventory – William McFarland Park



- This playground is a good candidate for replacement.
- If replacement is not an option add musical instruments and an accessible digger for sensory play.

Playground Inventory – Woodland Estates Park



- Expand playground to include a nest swing and spinner with accessible play surfacing.
- Add a sand digging area with accessible diggers along an accessible route.

Example Inclusive Playgrounds – Brittingham Park, Madison



Example Inclusive Playgrounds – Elver Park, Madison



Example Inclusive Playgrounds – Elvehjem Elementary School, McFarland



Gaps in existing playgrounds

- Loose Parts or Constructive Play
- Planting (Sensory Play, Imaginative Play, Educational)
- Natural Elements (Logs & Boulders)
- Non-prescribed elements
- Water play

Others Example Inclusive Playgrounds –



Others Example Inclusive Playgrounds –



Others Example Inclusive Playgrounds –



How should your playground look and feel?

1. What are your accessibility goals?
2. What percentage of play should be physical?
3. What types of materials? (equipment/log/boulders/mix)
4. What types of play are you most interested in incorporating?
5. How do you feel about sand?
6. How do you feel about introducing water?

What types of play should we incorporate?



Physical



Quiet Reflection



Imaginative



Loose Parts



Sensory



Water and Sand

Playscape Themes : Physical Play - Movement



Playscape Themes : Physical Play – Sliding



Playscape Themes : Physical Play – Climbing & Balancing



Playscape Themes : Physical Play – Climbing & Balancing



Playscape Themes : Imaginative



Village of McFarland



Learning Landscapes Design LLC

Playscape Themes : Imaginative



Playscape Themes : Imaginative



Playscape Themes : Quiet Reflection and Observation



Playscape Themes : Quiet Reflection and Observation



Playscape Themes : Quiet Reflection and Observation



Playscape Themes : *Sensory - Music*



Playscape Themes : *Sensory - Art*



Playscape Themes : *Sensory - Sand*



Playscape Themes : *Sensory - Sand & Water*



Playscape Themes : *Sensory - Mud Kitchen*



Playscape Themes : *Sensory - Garden*



Playscape Themes : Loose Parts - Building



What types of play should we incorporate?



Physical



Quiet Reflection



Imaginative



Loose Parts



Sensory

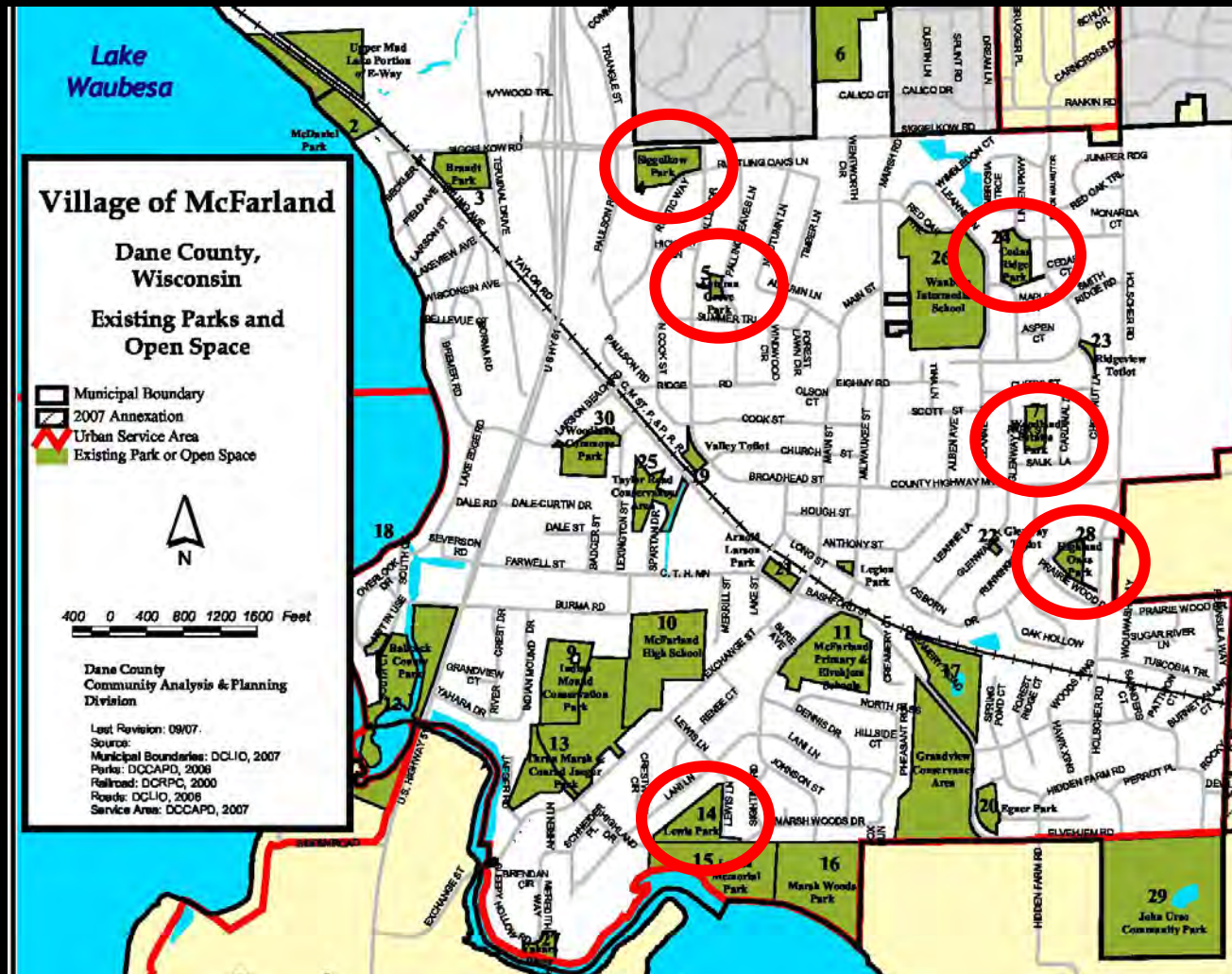


Water and Sand

How should your playground look and feel?

1. What are your accessibility goals?
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Village of McFarland Potential Development Sites



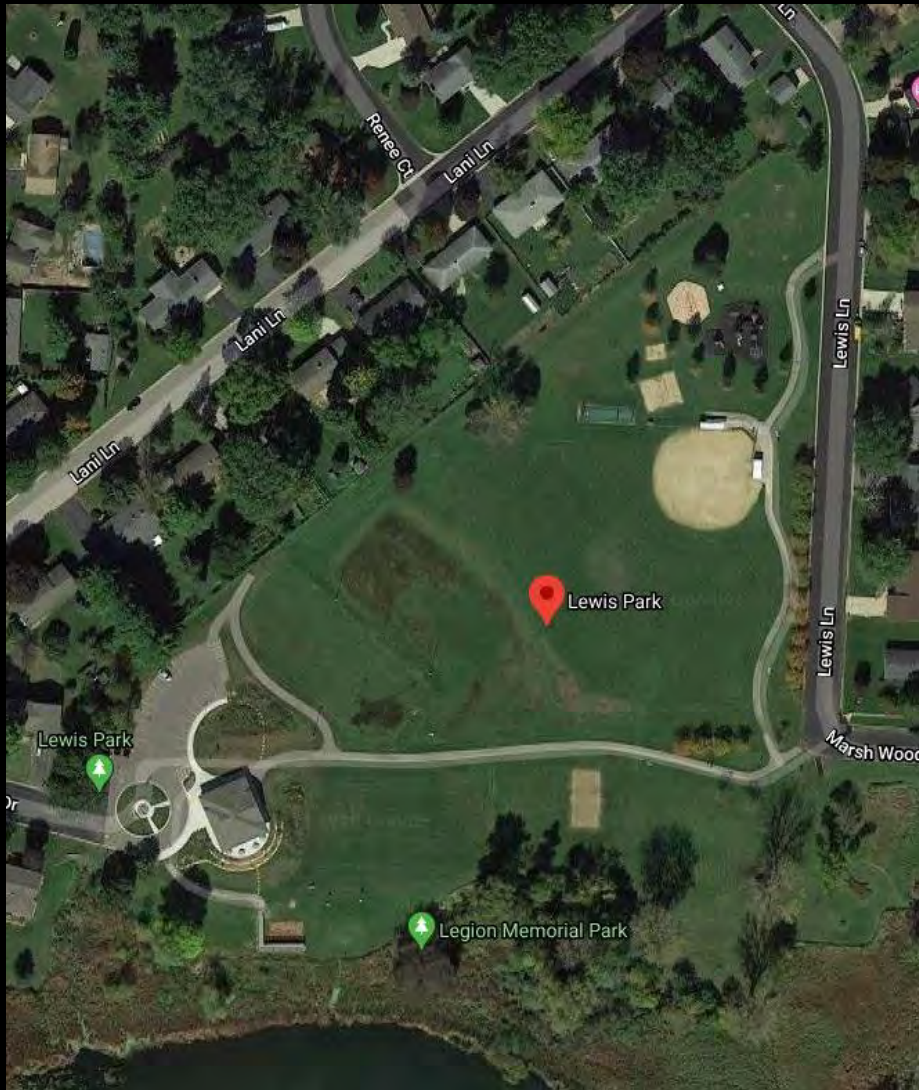
Potential Development Sites: Cedar Ridge Park



Potential Development Sites: Highlands Oak Park



Potential Development Sites: Lewis Park



Potential Development Sites: Siggelkow Park



Potential Development Sites: Autumn Grove



Potential Development Sites: Woodland Estates Park





Village of McFarland

*Special Needs Park
Planning Services*





VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Thursday, June 18, 2020

SECTION: Business

DEPARTMENT: Administration

CONTACT:

AGENDA ITEM: Discussion and update regarding the bid openings for the construction of park facilities at the Dog Park (new shelter) and McDaniel Park (concession addition/bathroom renovation, open air shelter).

PREVIOUS ACTION:

ISSUE SUMMARY:

Enclosed are the final design plans for the reference park facility projects. The projects are currently being advertised for bids with bids due on June 30th. The initial due date was June 16th to align with this meeting but contractors were requesting additional time to put together more responsive bids. Granting this time typically allows for better pricing as it allows the general contractors to line up more options for competitive pricing within their subcontractors.

This is an update that the project is out for bid, and with the next item we will take action to finalize the schedule.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. 3491 McFarland Park Projects - Issued to Bid

McFarland Park Facility Projects

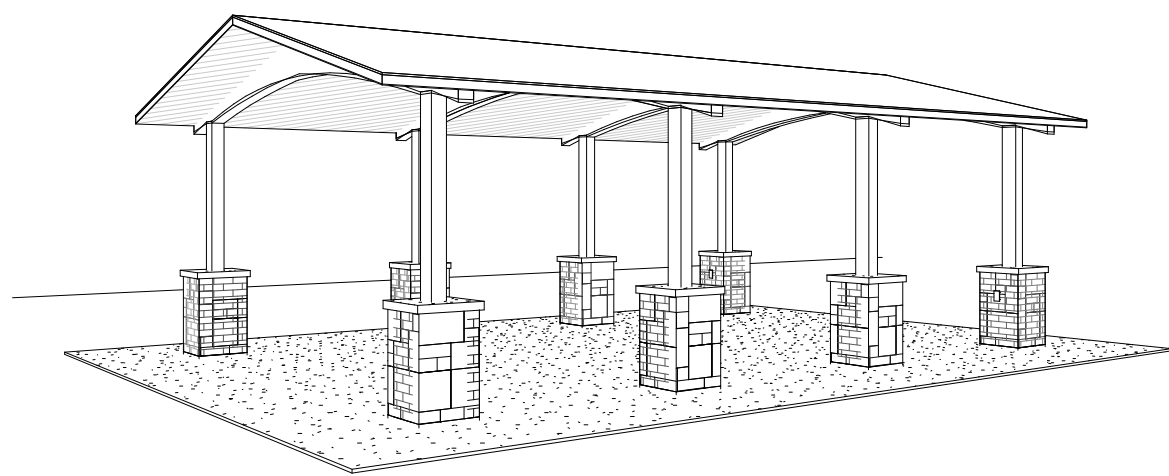
Village of McFarland
McFarland, WI

Construction Documents June 5, 2020



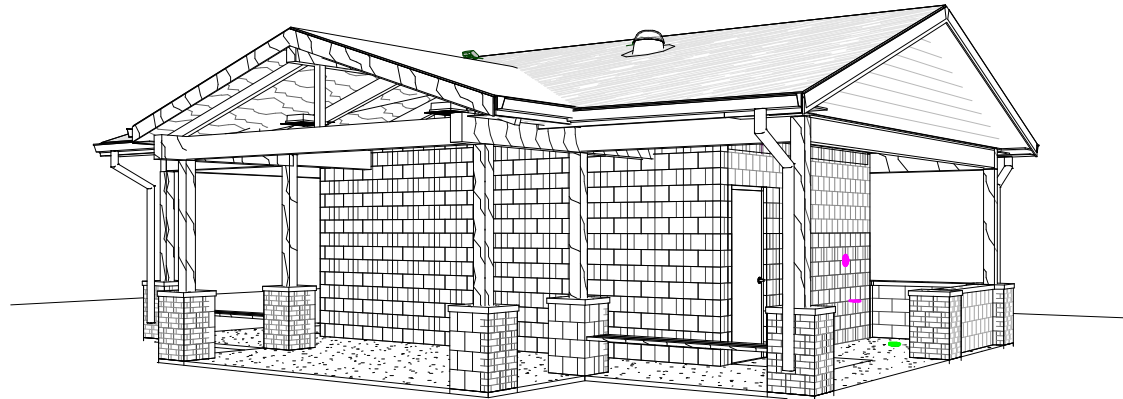
Pavilion Addition

Scale:



Open Air Park Shelter

Scale:



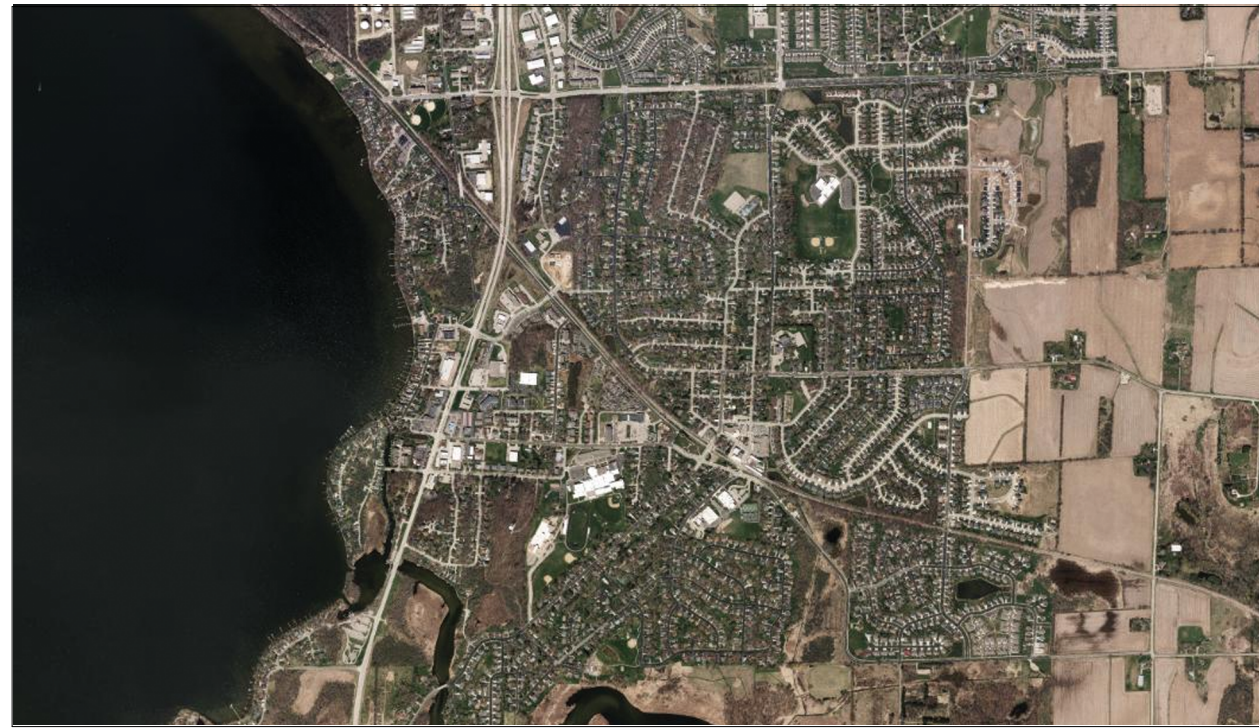
Toilet/Dog Wash Shelter

Scale:

Pavilion Addition and Open Air Park Shelter
McDaniel Park
4806 McDaniel Lane
McFarland, WI

Toilet/Dog Wash Shelter
6300 Elvehjem Road
McFarland, WI

CONCEPTUAL RENDERING - NOT FOR CONSTRUCTION



REGIONAL MAP



LOCAL MAP

Consultants

Civil/Landscape

Town & Country Engineering, Inc.
2912 Marketplace Drive, Suite 103
Madison, WI 53719
Phone: (608) 273-3350

Structural

Ambrose Engineering, Inc.
W66 N215 Commerce Ct., Suite #100
Cedarburg, WI 53012
Phone: (262) 377-7602

HVAC

Fredericksen Engineering
12308 Corporate Parkway, Suite 400
Mequon, WI 53092
Phone: (262) 243-9090

Plumbing

Muermann Engineering, a Division of MSA
W227 N16867 Tillie Lake Court, Suite 202
Jackson, WI 53037
Phone: (262) 677-4588

Electrical

Muermann Engineering, a Division of MSA
W227 N16867 Tillie Lake Court, Suite 202
Jackson, WI 53037
Phone: (262) 677-4588

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C1.1	Standard Construction Details - Erosion Control
C1.2	Dog Park Site & Utility Layout Plan
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A2.3	Toilet/Dog Wash Shelter Sections & Details
A2.4	Details
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P2.0C	Pavilion Addition Isometric - Sanitary DMV
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ELECTRICAL	
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E1.1B	Open Shelter Plans
E1.1C	Pavilion Addition Plans



Office Locations

Davenport

220 Emerson Place, Suite 301
Davenport, Iowa 52801
T: 563.326.6050

Milwaukee

829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Moline

1465 41st Street, Suite 10
Moline, Illinois 61260
T: 563.526.6050

Sheboygan

1227A North 8th Street
PO Box 955
Sheboygan, Wisconsin 53082
T: 920.459.4200

www.brayarch.com

Project Title:

McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:

DATE DESCRIPTION

Project Number:

3491

Issued For:

Construction Documents

Issued to Bid 06/05/2020

Sheet Title:

Cover Sheet

Sheet Number:

G0.0

Overall Toilet/Dog Wash Shelter Plan
Scale: 1/8" = 1'-0"

Overall Open Park Shelter Plan
Scale: 1/8" = 1'-0"

Overall Pavilion Addition Plan
Scale: 1/8" = 1'-0"

Office Locations:

Davenport
220 Emerson Place, Suite 301
Davenport, Iowa 52801

Milwaukee
829 S. 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Sheboygan
1227A North 8th Street
PO Box 955
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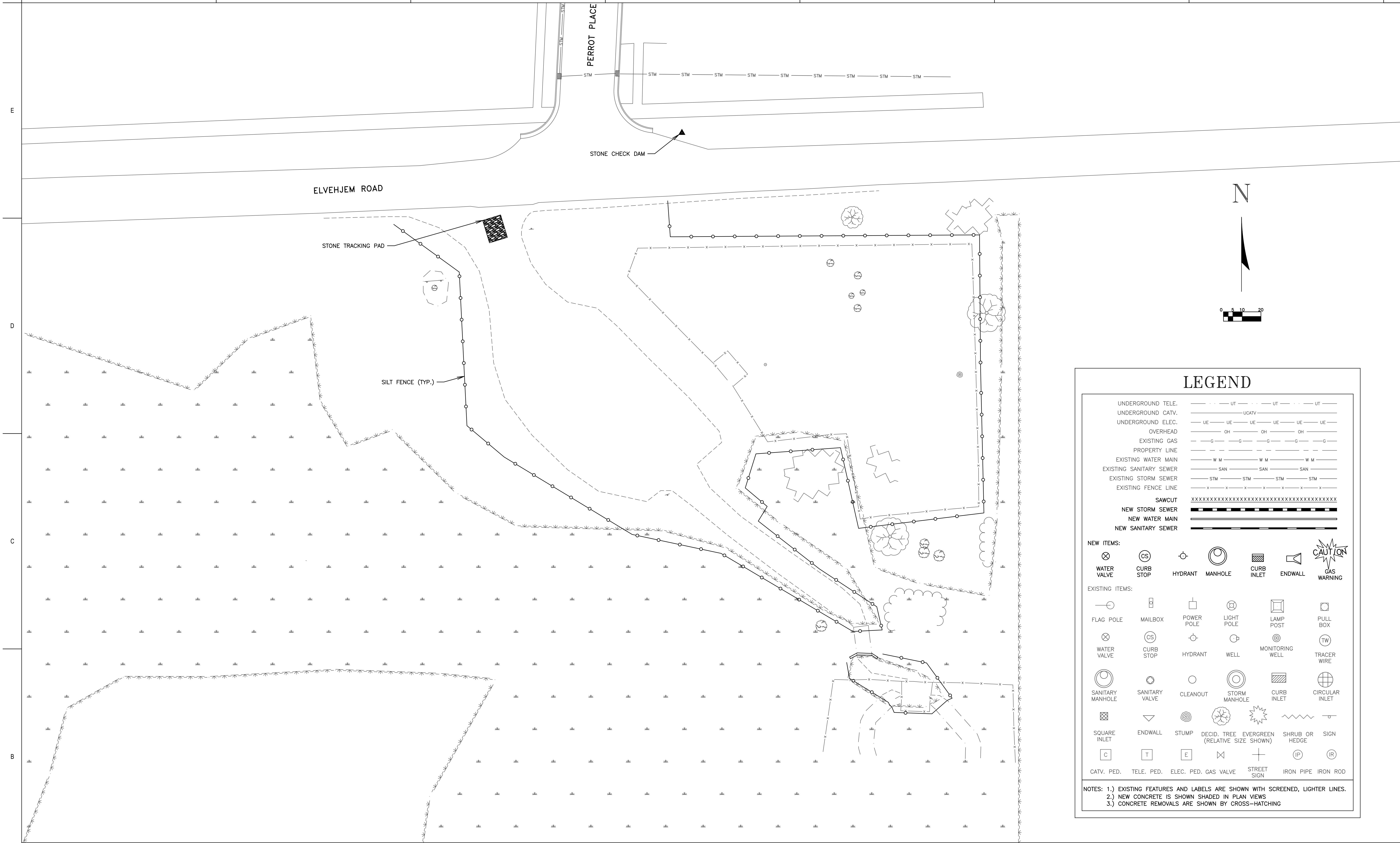
Sheet Title:

Overall Code Plans

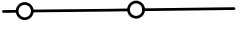
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EROSION CONTROL NOTES:

- CONSTRUCT A STONE CHECK DAM IN GUTTER LINE AT ALL LOCATIONS MARKED WITH "▲"
- SURFACE FLOW DIRECTION IS INDICATED WITH 
- SILT FENCE INSTALLATION IS INDICATED WITH 
- POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
- INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).

- STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- NOTIFY THE OWNER IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.
- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES TO EITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP #1063.
- CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION #1004.
- INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.

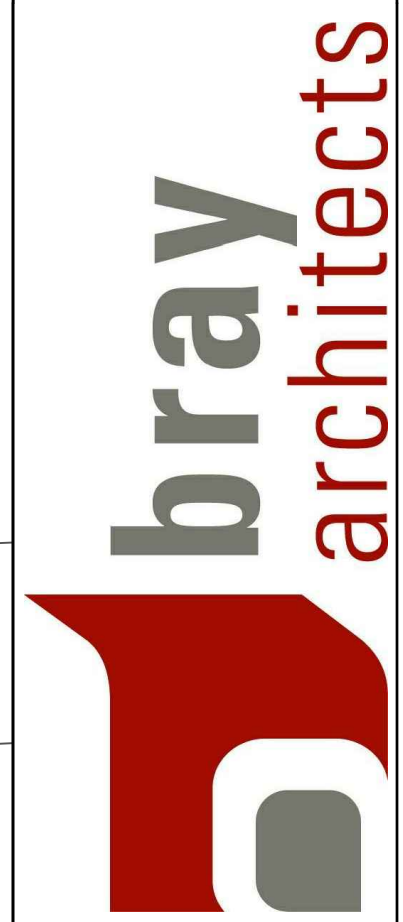
- INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE OWNER. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.), OR AS DIRECTED BY THE OWNER.

LEGEND

UNDERGROUND TELE.	UT	UT	UT
UNDERGROUND CATV.	UCATV		
UNDERGROUND ELEC.	UE	UE	UE
OVERHEAD	OH	OH	OH
EXISTING GAS	G	G	G
PROPERTY LINE			
EXISTING WATER MAIN	W M	W M	W M
EXISTING SANITARY SEWER	SAN	SAN	SAN
EXISTING STORM SEWER	STM	STM	STM
EXISTING FENCE LINE	X	X	X
SAWCUT	XXXXXXXXXXXXXXXXXXXXXXXXXXXX		
NEW STORM SEWER			
NEW WATER MAIN			
NEW SANITARY SEWER			

NEW ITEMS:						
WATER VALVE	CURB STOP	HYDRANT	MANHOLE	CURB INLET	ENDWALL	GAS WARNING
EXISTING ITEMS:						
FLAG POLE	MAILBOX	POWER POLE	LIGHT POLE	LAMP POST	PULL BOX	
WATER VALVE	CURB STOP	HYDRANT	WELL	MONITORING WELL	TRACER WIRE	
SANITARY MANHOLE	SANITARY VALVE	CLEANOUT	STORM MANHOLE	CURB INLET	CIRCULAR INLET	
SQUARE INLET	ENDWALL	STUMP	DECID. TREE (RELATIVE SIZE SHOWN)	EVERGREEN	SHRUB OR HEDGE	SIGN
CATV. PED.	TELE. PED.	ELEC. PED.	GAS VALVE	STREET SIGN	IRON PIPE	IRON ROD

NOTES: 1.) EXISTING FEATURES AND LABELS ARE SHOWN WITH SCREENED, LIGHTER LINES.
2.) NEW CONCRETE IS SHOWN SHADED IN PLAN VIEWS.
3.) CONCRETE REMOVALS ARE SHOWN BY CROSS-HATCHING



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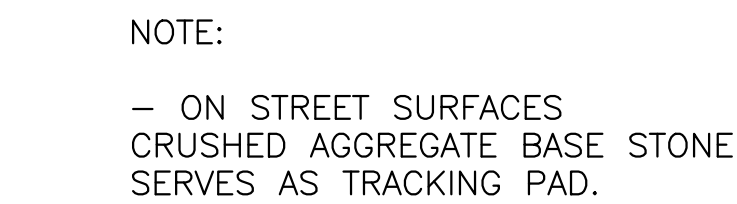
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Sheet Title:
Erosion Control Plan & Notes

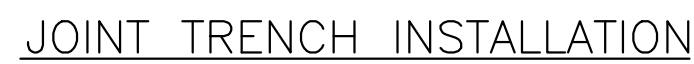
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- NOTES:
1. CONSTRUCT LATERALS IN CONFORMANCE WITH CHAPTER SPS 382 OF THE WISCONSIN ADMINISTRATIVE CODE.
 2. LATERAL SLOPE SHALL BE $\frac{1}{4}$ " PER FOOT WHERE SUFFICIENT COVER EXISTS.
 3. CONTRACTOR SHALL VERIFY SIZE, DEPTH, AND LOCATION OF EXISTING LATERALS.
 4. WHERE LATERALS ARE NOT IMMEDIATELY CONNECTED TO BUILDING SEWERS THE ENDS OF THE LATERALS SHALL BE MARKED BY POSITIONING 4"x4" BOARDS VERTICALLY FROM THE ENDS OF THE LATERALS TO AT LEAST 2' ABOVE THE GROUND SURFACE.
 5. THE LOCATION OF ALL SEWER LATERALS CROSSING UNDER THE CURB & GUTTER SHALL BE MARKED BY STAMPING AN "S" IN THE TOP OF THE CURB OVER THE LOCATION OF THE SEWER LATERAL.



WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

FRAMED INLET PROTECTION SHALL BE COMPLIANT WITH ALL
ASTM STANDARD D8057-17 REQUIREMENTS, INCLUDING:

- A. BYPASS OVERFLOW THAT MEETS OR EXCEEDS INLET
DESIGN FLOW
- B. FRAME AND BAG STRONG ENOUGH TO HANDLE FULL
SEDIMENT LOAD.



INSTALLATION NOTES:

NO PART OF INLET PROTECTION SHALL BE PROJECTING ABOVE THE
GRATE.

FOR COMBINATION INLETS, PROTECTION SHALL CAPTURE RUNOFF ENTERING BOTH GRATE AND CURB OPENING.

A DUAL FABRIC FILTER BAG, WITH NON-WOVEN BOTTOM AND WOVEN TOP SHALL BE USED.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



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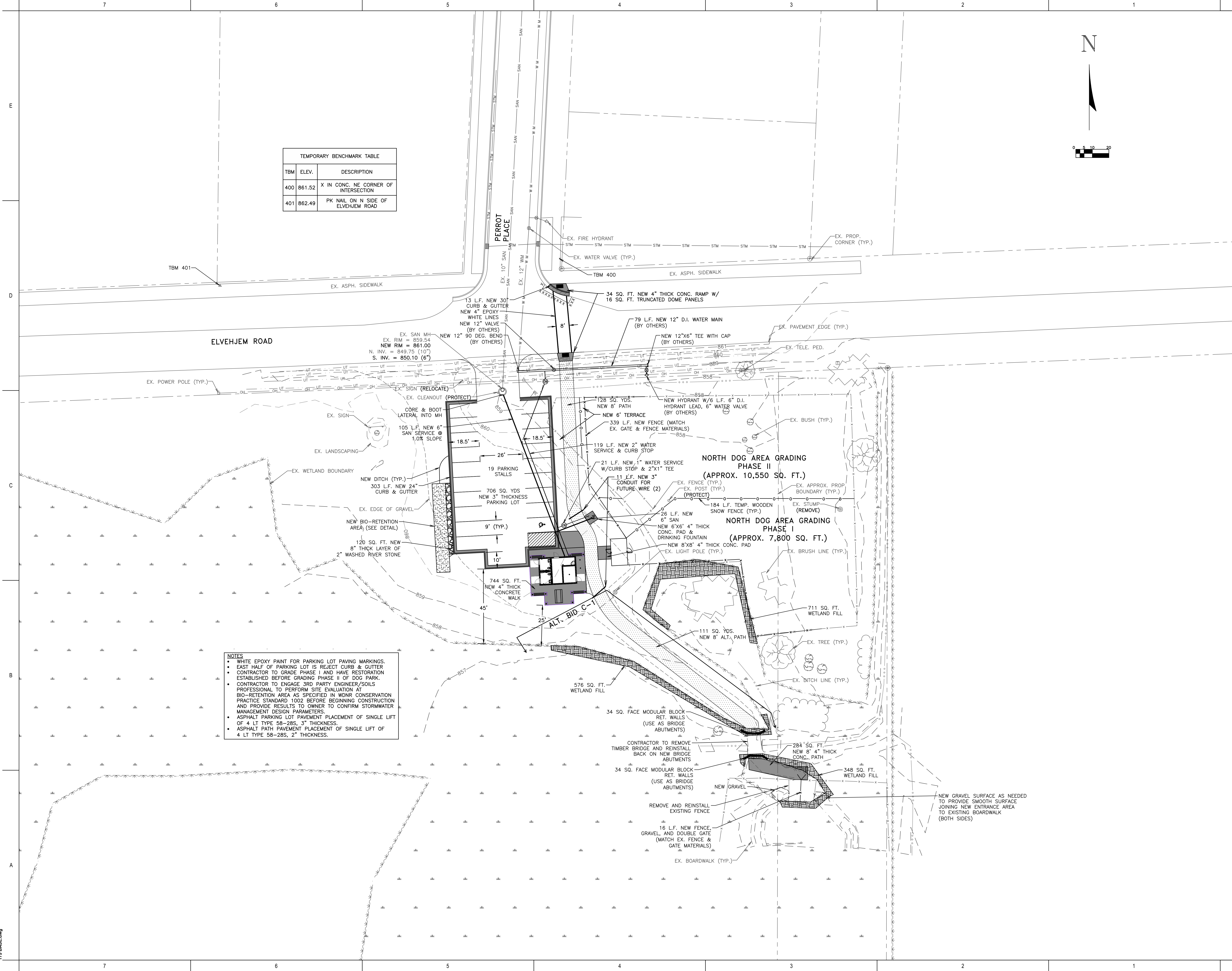
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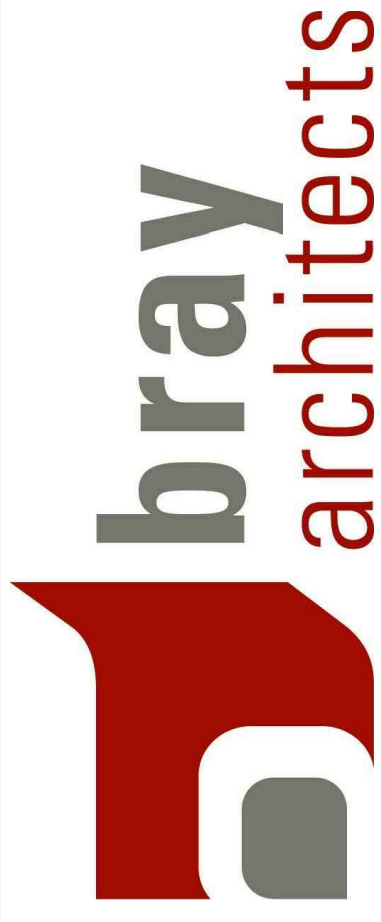
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Details -
Corrosion Control**

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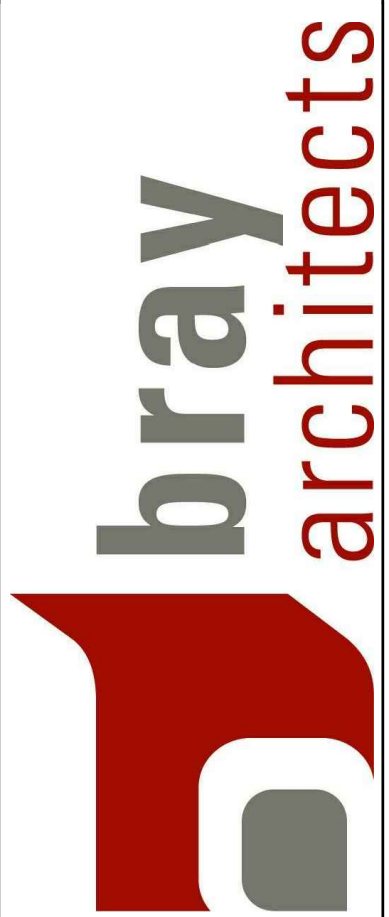
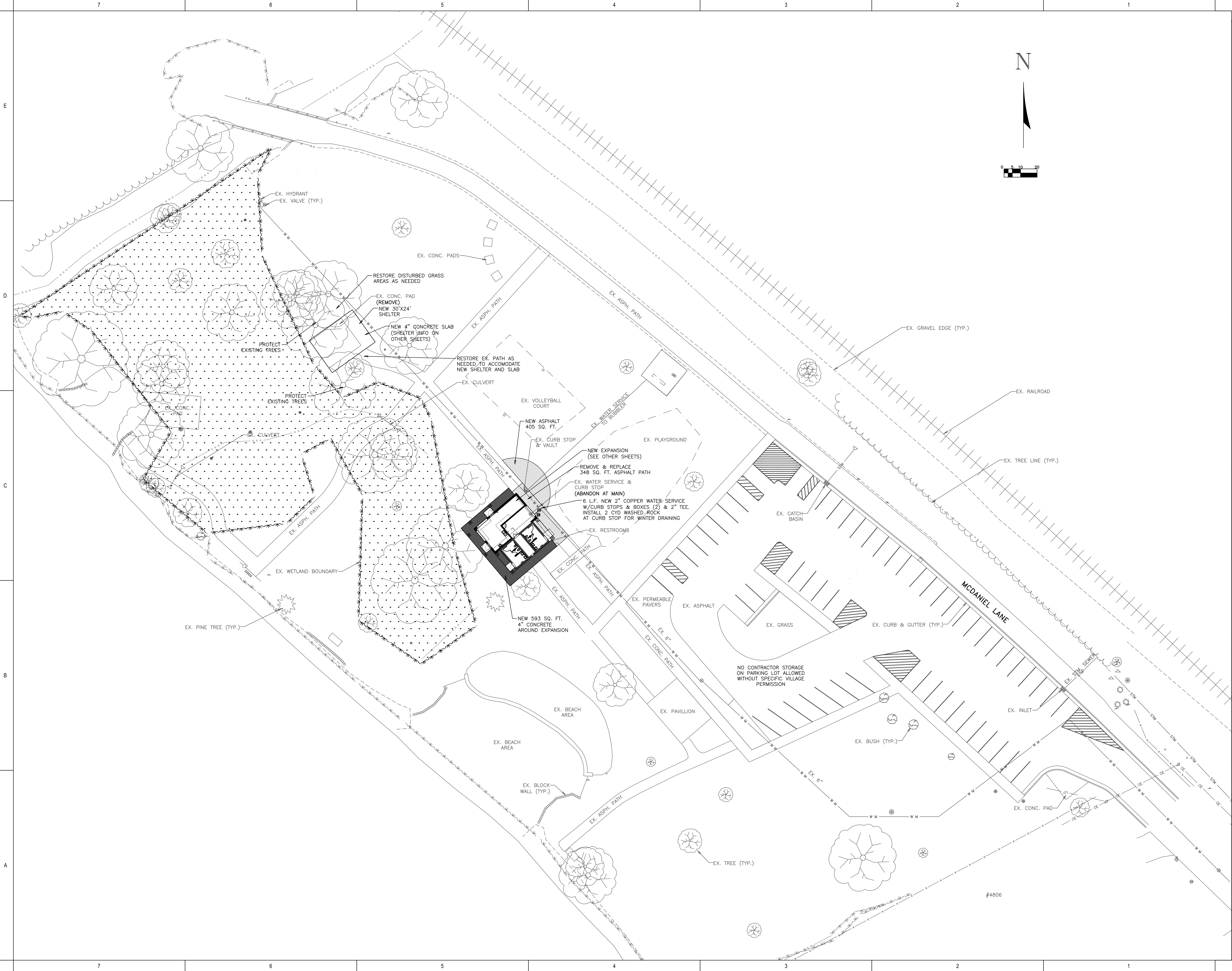
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Sheet Title:
**Dog Park
Site & Utility
Layout Plan**

Sheet Number:
C1.2



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J:\085\McFarland\MC775-485 2020 Dog Park Parking Lot and Restroom
SiteDrawings\MCDANIEL PARK.dwg



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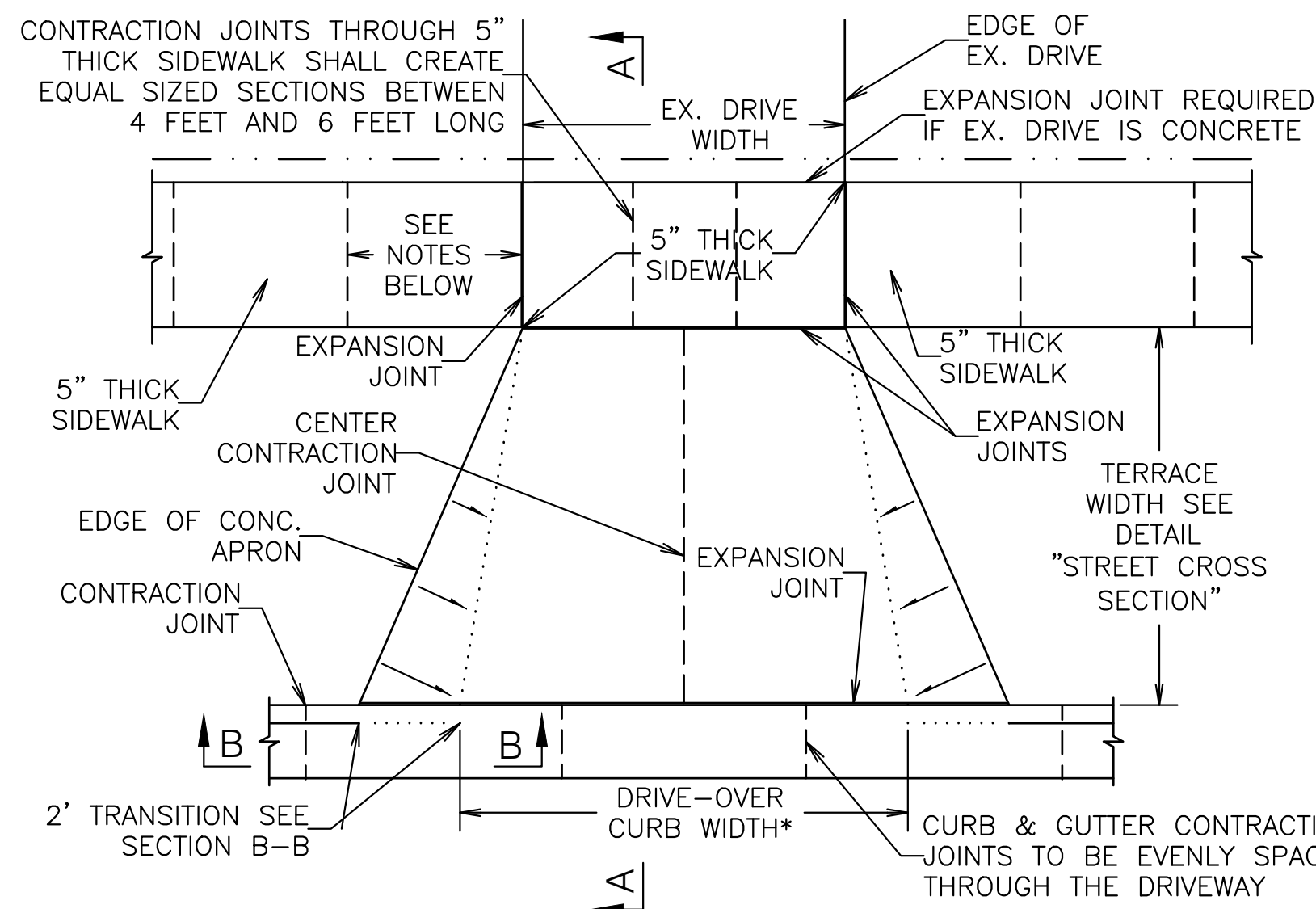
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Sheet Title:
**McDaniel Park
Site Layout Plan**

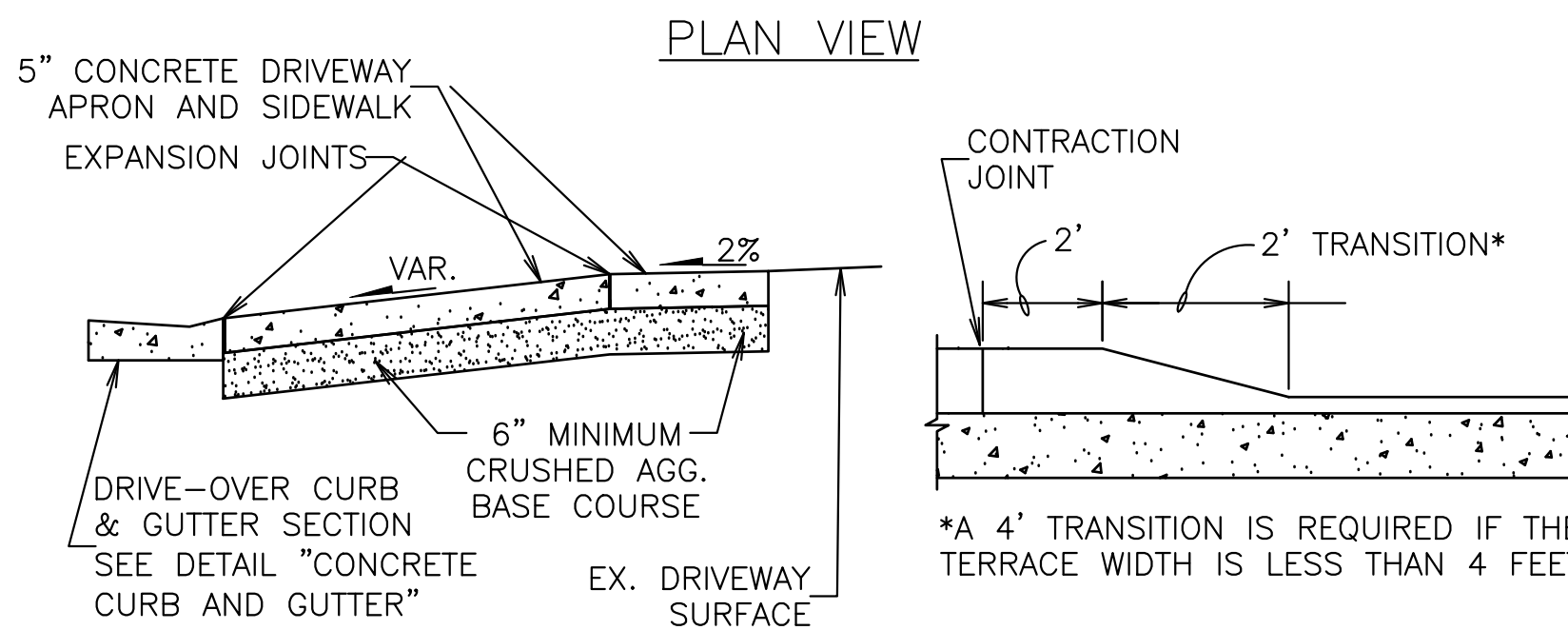
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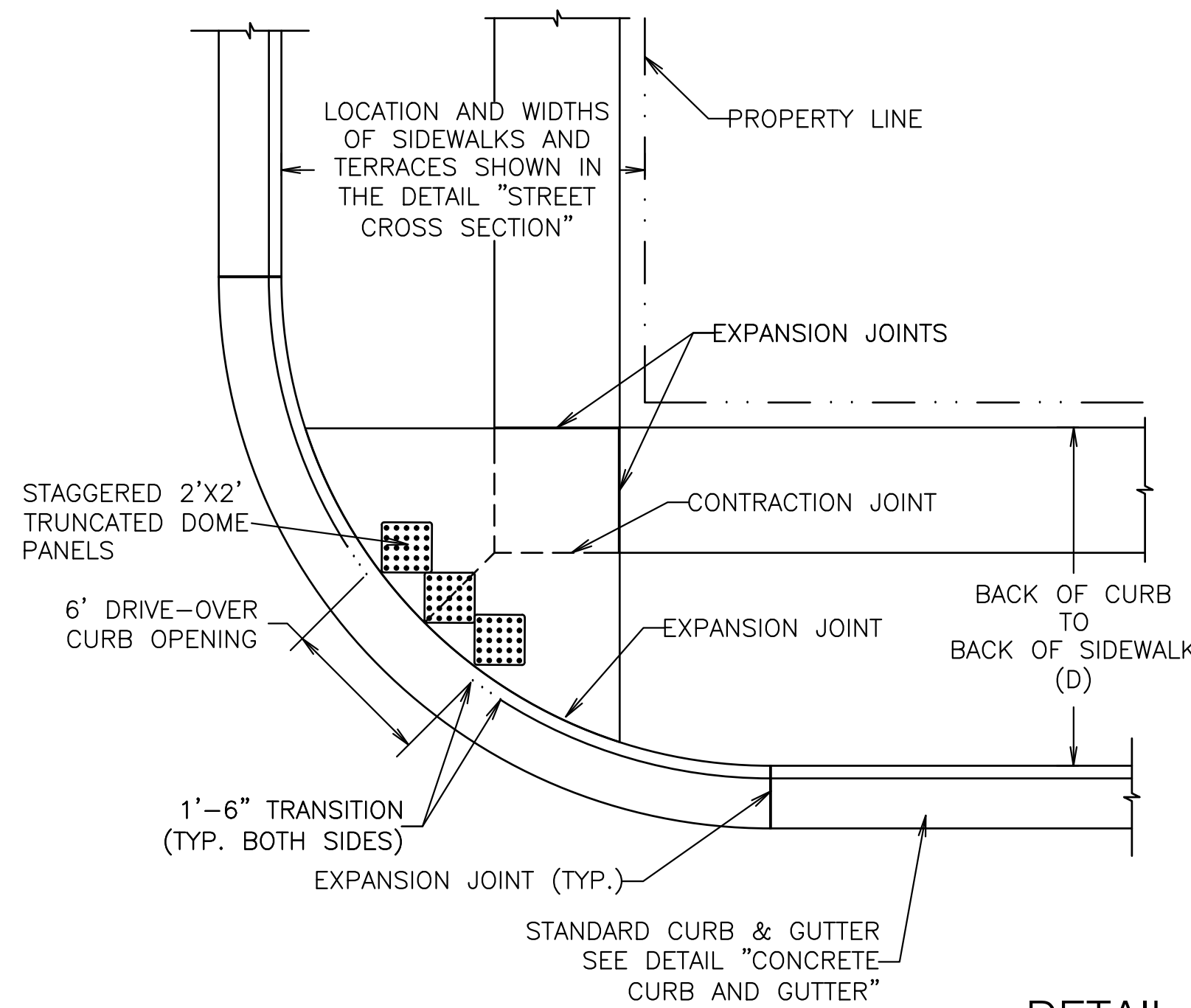


NOTES: - 5" THICK WALK WIDTH SHALL BE EQUAL TO THE EX. DRIVE WIDTH OR A MINIMUM OF 12' CENTERED ON THE EX. DRIVE. THE DRIVE-OVER CURB WIDTH SHALL BE EQUAL TO THE 5" THICK WALK WIDTH PLUS 2', CENTERED ON THE EX. DRIVE.
- CONTRACTION JOINTS IN 5" THICK SIDEWALKS SHALL BE PLACED EVERY 5'. EXPANSION JOINTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 96 FEET.



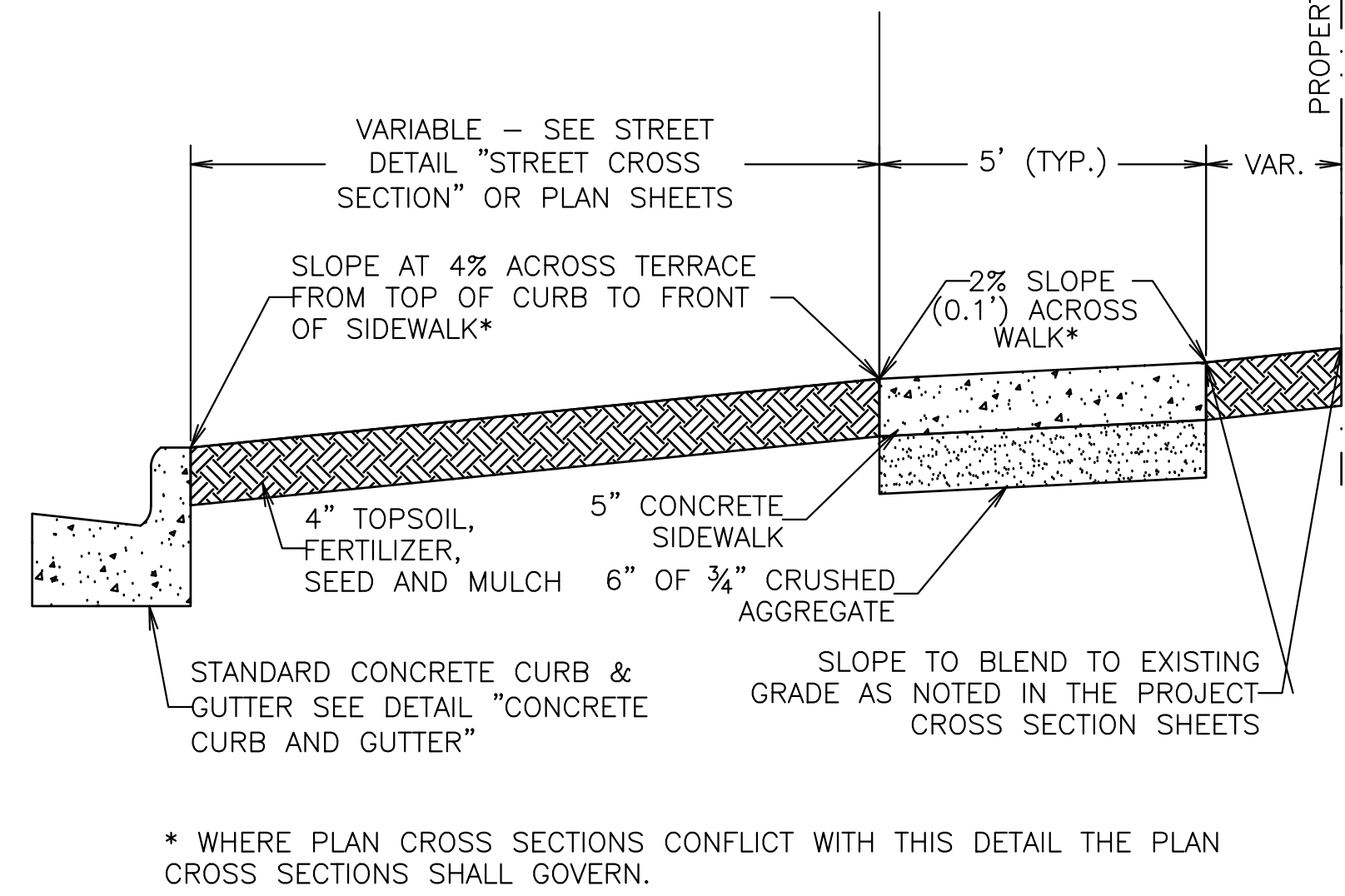
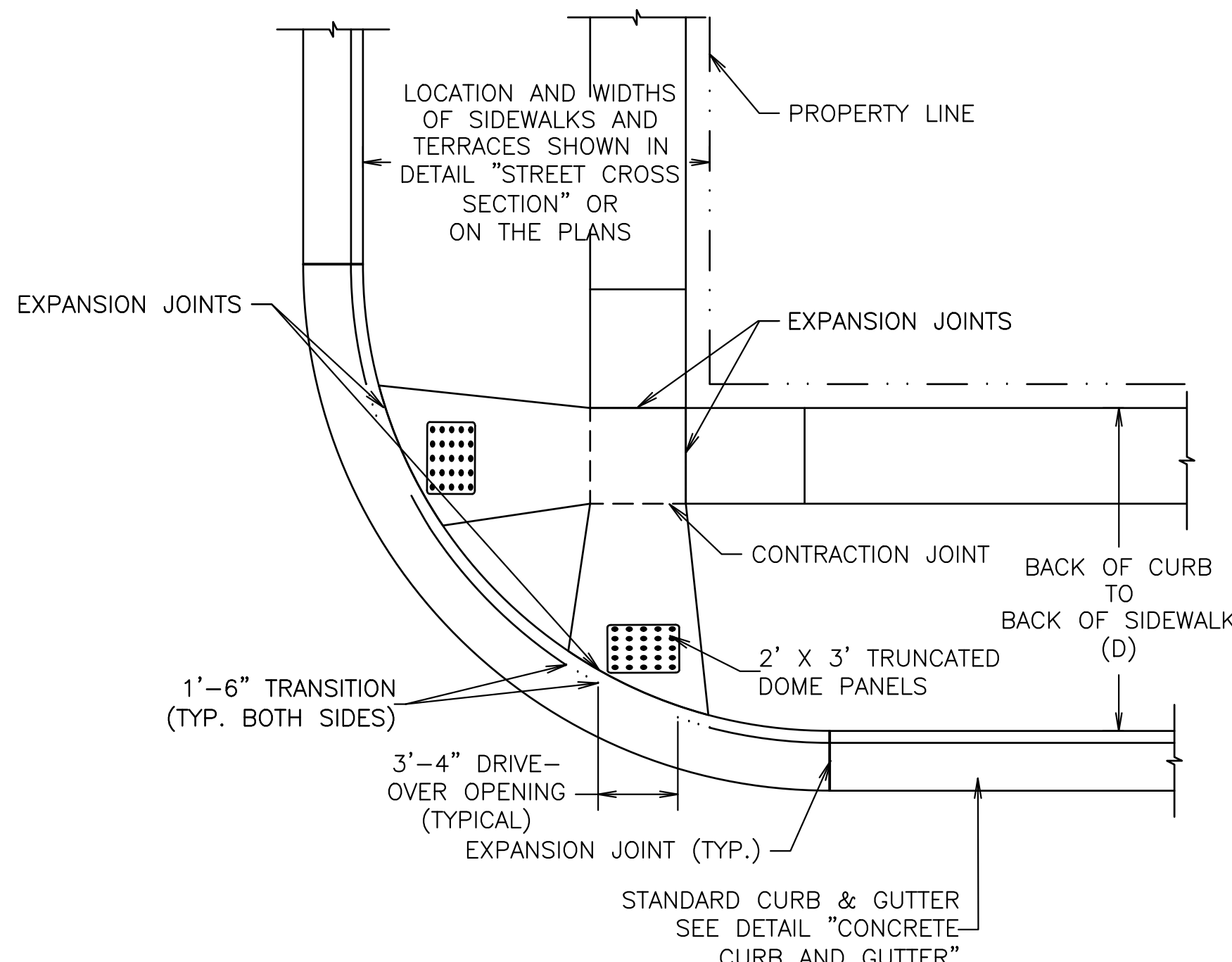
DETAIL
DRIVEWAY

TYPE 1 CURB RAMP
- FOR USE WHEN THE DISTANCE FROM THE BACK OF THE CURB TO THE BACK OF THE SIDEWALK (D) IS LESS THAN 12 FEET.

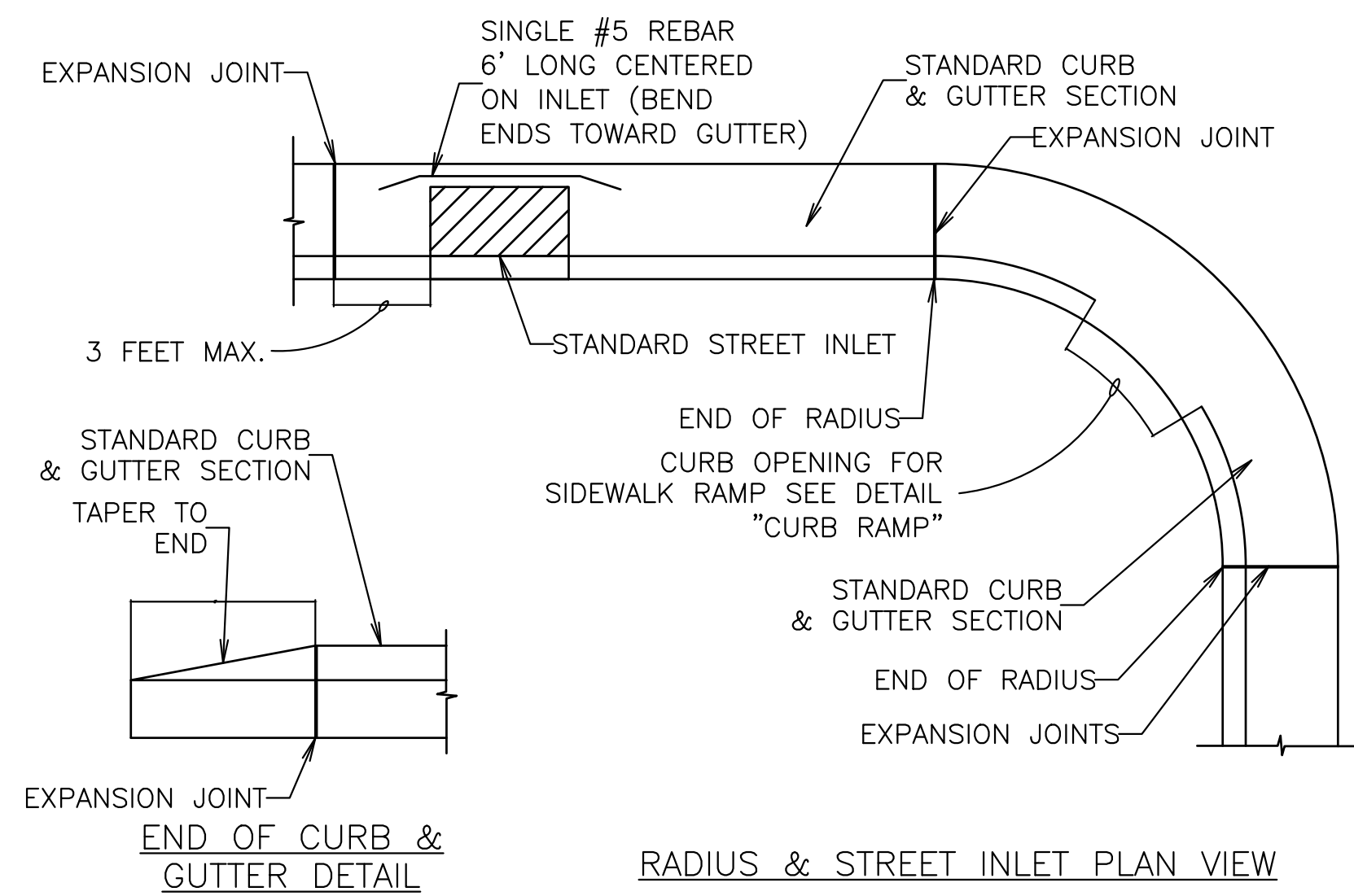
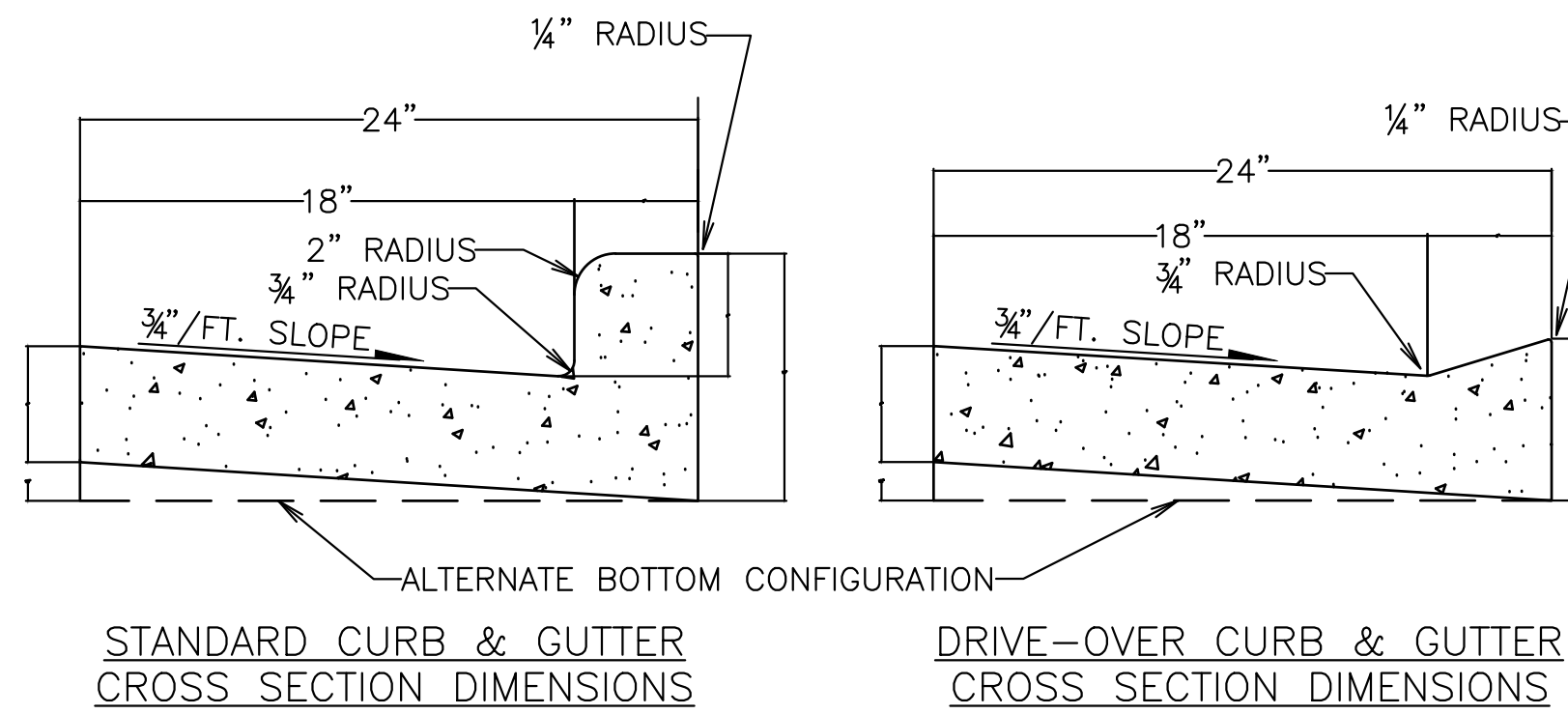


DETAIL
CURB RAMP

TYPE 2 CURB RAMP
- FOR USE WHEN THE DISTANCE FROM THE BACK OF THE CURB TO THE BACK OF THE SIDEWALK (D) IS GREATER THAN OR EQUAL TO 12 FEET.



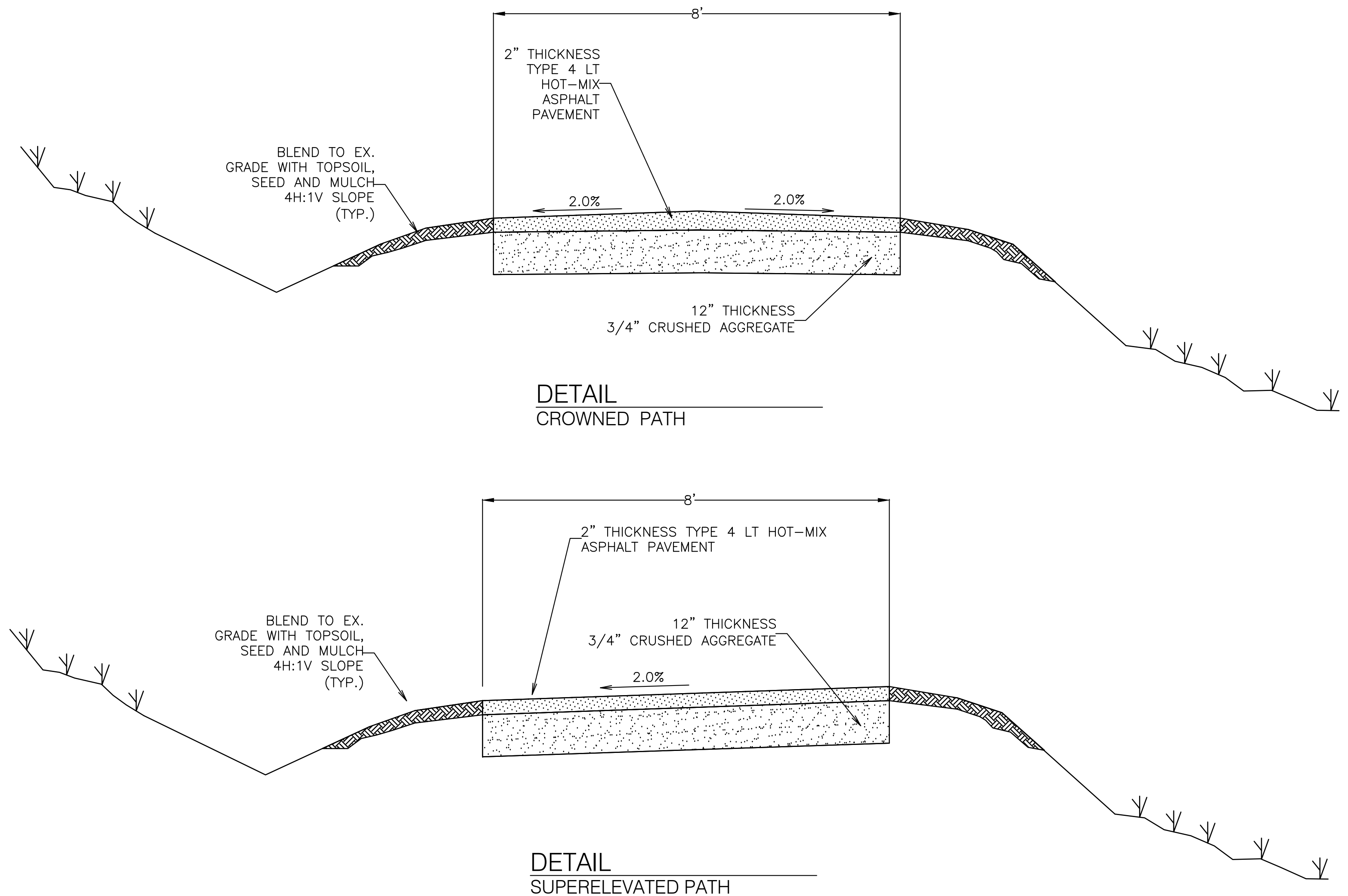
DETAIL
SIDEWALK - TERRACE SECTION



RADIUS & STREET INLET PLAN VIEW

NOTES:
1.) CONTRACTION JOINTS SHALL BE PLACED EVERY 6 TO 12 FEET AND AT LOCATIONS SHOWN IN THE CURB RAMP AND DRIVEWAY DETAILS.
2.) EXPANSION JOINTS SHALL BE PLACED AT EVERY END OF RADIUS, 3 FEET ON ONE SIDE OF EACH STREET INLET AND AT INTERVALS NOT TO EXCEED 300 FEET.

DETAIL
CONCRETE CURB AND GUTTER



DETAIL
CROWNED PATH

DETAIL
SUPERELEVATED PATH

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Sheet Title:
Standard Construction Details - Street Improvements

Sheet Number:

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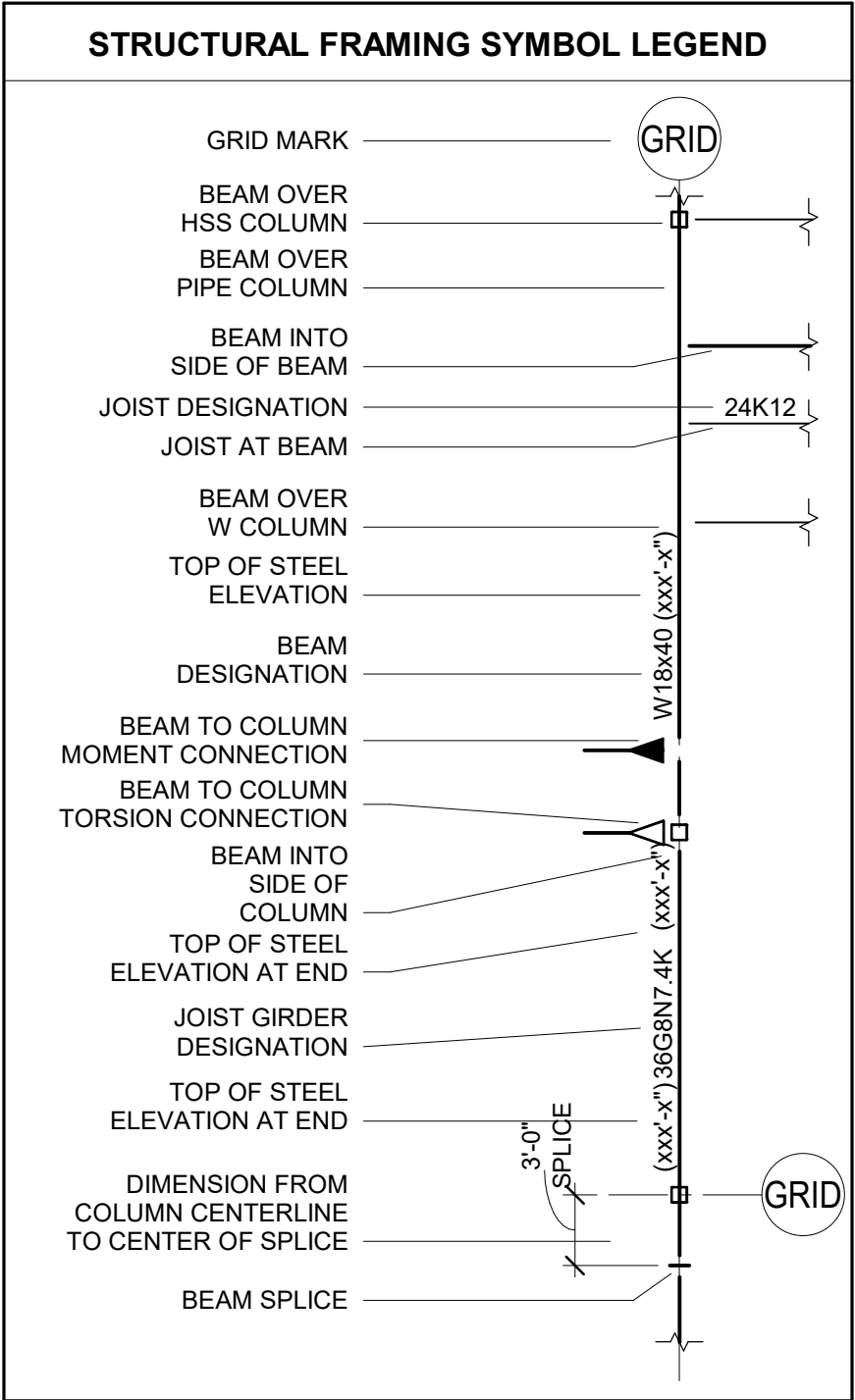
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STEEL LINTEL SCHEDULE				
MARK	TYPE	SIZE	PLATE	GUSSETS
L-01	A	W8x10	PL1/4x7	-----
L-02	B	W8x10	PL5/16x11	1/4" @ 32" o/c
L-03	B	W8x18	PL5/16x11	1/4" @ 32" o/c

SEE SHEET S5.1 FOR TYP LINTEL SECTIONS AND DETAILS



WOOD TRUSS FRAMING NOTES

- RD-01: 5/8" PLYWOOD ROOF SHEATHING
- RD-02: 3" NOMINAL WOOD DECK SIMPLE SPAN LAYUP
- TB xxx'-x" INDICATES TRUSS BEARING ELEVATIONS
- FRAME ALL HVAC ROOF OPENINGS w/ 2x4
- TRUSSES SHALL BE DESIGNED FOR THE LOADS INDICATED IN GENERAL NOTE 1.1.3 AND ANY ADDITIONAL LOADS, INCLUDING DRIFTING SNOW LOADS, SHOWN ON THIS PLAN.
- TEMPORARY TRUSS BRACING: SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO RESIST WIND AND ERECTION LOADS, UNTIL PERMANENT BRACING IS INSTALLED.
- TEMPORARY BRACING: SHALL BE SELECTED BY OTHERS BUT SHALL NOT BE LESS THAN 2x4 @ 6'-0" OC AT TOP CHORDS, 8'-0" OC AT BOTTOM CHORDS AND 20'-0" OC AT WEB MEMBERS.
- IN ADDITION TO ROOF SHEATHING AND OTHER PERMANENT BRACING AS INDICATED ON DRAWINGS, PROVIDE HORIZONTAL/DIAGONAL WEB MEMBER BRACING AS SPECIFIED BY THE TRUSS DESIGNER.
- TRUSSES SUPPORTING PIGGYBACK TRUSSES OR OTHER OVER FRAMING SHALL HAVE THE TOP CHORDS BRACED WITH 2x4 @ 24" o/c UNO. PROVIDE ADDITIONAL TOP CHORD BRACING AS SPECIFIED BY THE TRUSS DESIGNER, CONNECT BRACING TO THE ROOF SHEATHING OR END WALLS.
- ROOF TRUSS DESIGN LOADS
TOP CHORD DL 15 PSF
BOTTOM CHORD DL 10 PSF
BALANCED SNOW LOAD 25.2 PSF
UNBALANCED SNOW LOAD

EXISTING CONDITIONS NOTE

- ALL EXISTING CONDITIONS TO BE FIELD MEASURED AND FIELD VERIFIED PRIOR TO FABRICATION OR CONSTRUCTION. IN CASE OF DISCREPANCY BETWEEN PLANS & FIELD CONDITIONS NOTIFY ARCHITECT. DO NOT PROCEED UNTIL THE CONDITIONS ARE RESOLVED.
- SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION INFORMATION NOT SHOWN ON THIS DRAWING.
- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON THIS DRAWING.
- CONTRACTORS ARE RESPONSIBLE FOR CORRECT AND COMPLETE USE OF INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS. IN CASE OF MISSING INFORMATION OR DISCREPANCY NOTIFY ARCHITECT OR ENGINEER. DO NOT PROCEED UNTIL THE CONDITIONS ARE RESOLVED.

WOOD POST SCHEDULE			
MARK	SIZE	POST BASE	ANCHORS
WP-01	6x6 DF-L NO 1	CBSQ66 - SDS2	---

COLUMN SCHEDULE			
MARK	SIZE	BASE PLATE	ANCHOR BOLTS
C-01	HSS7x5x1/4	PL3/4x11x0'-11"	(4) 3/4"

PROVIDE 1/4" SETTING PLATE SAME SIZE AS BASE PLATE.
ANCHOR BOLT EMBEDMENT: 12 x (BOLT DIAMETER).
PROVIDE PLATE WASHER PL3/8x3x0'-3" w/ NUT TOP & BOT, TACK WELD NUTS TO BOLT.

MASONRY PIER SCHEDULE			
MARK	SIZE	VERT REINF	TIES
MP-01	8"x12"	(2) #5	#3 @ 8" OC
MP-02	8"x16"	(2) #5	#3 @ 8" OC
MP-03	8"x22"	(2) #5	#3 @ 8" OC

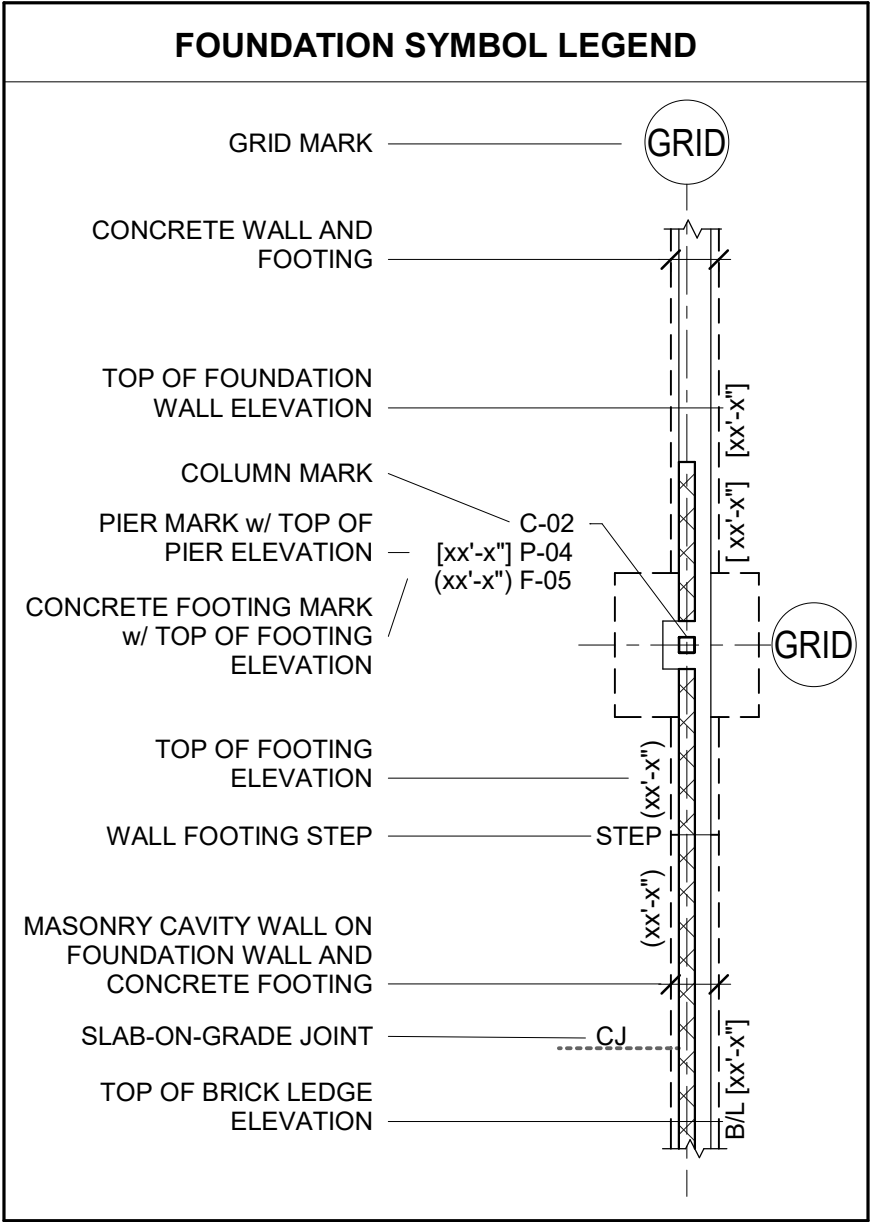
PROVIDE DOWELS INTO FOUNDATION WALL OR FOOTING SAME SIZE AND QUANTITY AS PIER VERTICALS.

CONCRETE PIER SCHEDULE			
MARK	SIZE	VERT REINF	TIES
CP-01	20"x20"	(4) #7	#3 @ 12" OC

PROVIDE DOWELS INTO FOOTING SAME SIZE AND QUANTITY AS PIER VERTICALS.

FOOTING SCHEDULE			REINFORCING EACH WAY
MARK	SIZE		
F-01	3'-0"x3'-0"x12"		(4) #5

SOIL CAPACITY = 2000 PSF (ASSUMED).



SLAB ON GRADE NOTES

- FINISHED FLOOR - EL 100'-0" (unless noted otherwise)
FIN FLR IS FOR REFERENCE ONLY - SEE CIVIL DWGS FOR DATUM INFORMATION
- SEE ARCHITECTURAL DRAWINGS FOR UNDER SLAB INSULATION REQUIREMENTS
- SEE DETAILS 17/S5.0 AND 2/S5.0 FOR TYPICAL CONCRETE FOUNDATION WALL DETAILS.
- STOOP SLABS
5" SLAB W/ #3 @ 12" OC EACH WAY

MASONRY WALL NOTES

- ALL MASONRY TO BE LAID IN RUNNING BOND PATTERN (unless noted otherwise)
- SEE PLANS & DETAILS FOR REINFORCING OF MASONRY WALLS

CONCRETE FOUNDATION NOTES

- FINISHED FLOOR - EL 100'-0" (unless noted otherwise)
- TOP OF FOOTINGS
INTERIOR - EL 99'-4" (unless noted otherwise)
EXTERIOR - EL 96'-0" (unless noted otherwise)
- (xx'-x") INDICATES TOP OF FOOTING ELEVATIONS.
- (xx'-x") INDICATES TOP OF FOUNDATION WALL/PIER ELEVATIONS
TOW - EL 100'-0" (unless noted otherwise)
TOP - EL 99'-4" (unless noted otherwise)
- WALL FOOTINGS
EXTERIOR - 2'-0" x 10" NO REINF (unless noted otherwise)
STOOPS - 1'-4" x 8" NO REINF (unless noted otherwise)
- PROVIDE (2) #4 TOP BARS IN INTERIOR WALL FOOTINGS AT ALL OPENINGS 6'-0" OR GREATER.
- BL (xx'-x") INDICATES BRICK LEDGE ELEVATION
BRICK LEDGE - EL 99'-4" (unless noted otherwise)
- CONCRETE FOUNDATION WALL REINFORCING
(2) #5 CONT TOP AND BOTTOM (unless noted otherwise)
- SEE ARCH PLANS FOR LOCATION OF NON-BEARING WALLS.
- COORDINATE ALL FLOOR DRAINS AND PITCHED SLABS WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
- SEE DETAIL 1/S5.0 AND 2/S5.0 FOR TYPICAL CONCRETE FOUNDATION WALL DETAILS.
- SEE DETAIL 3/S5.0 FOR TYPICAL PIPE PENETRATIONS THROUGH FOUNDATIONS.

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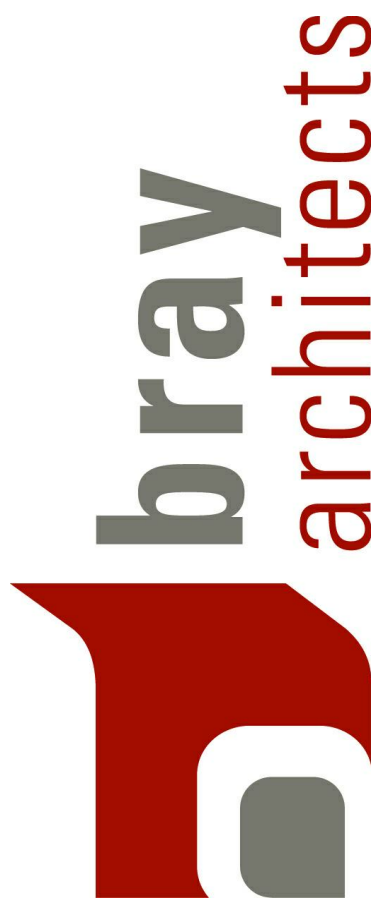
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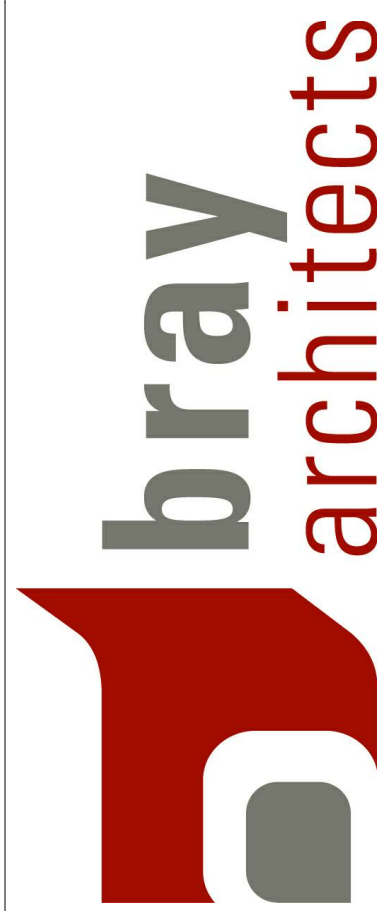
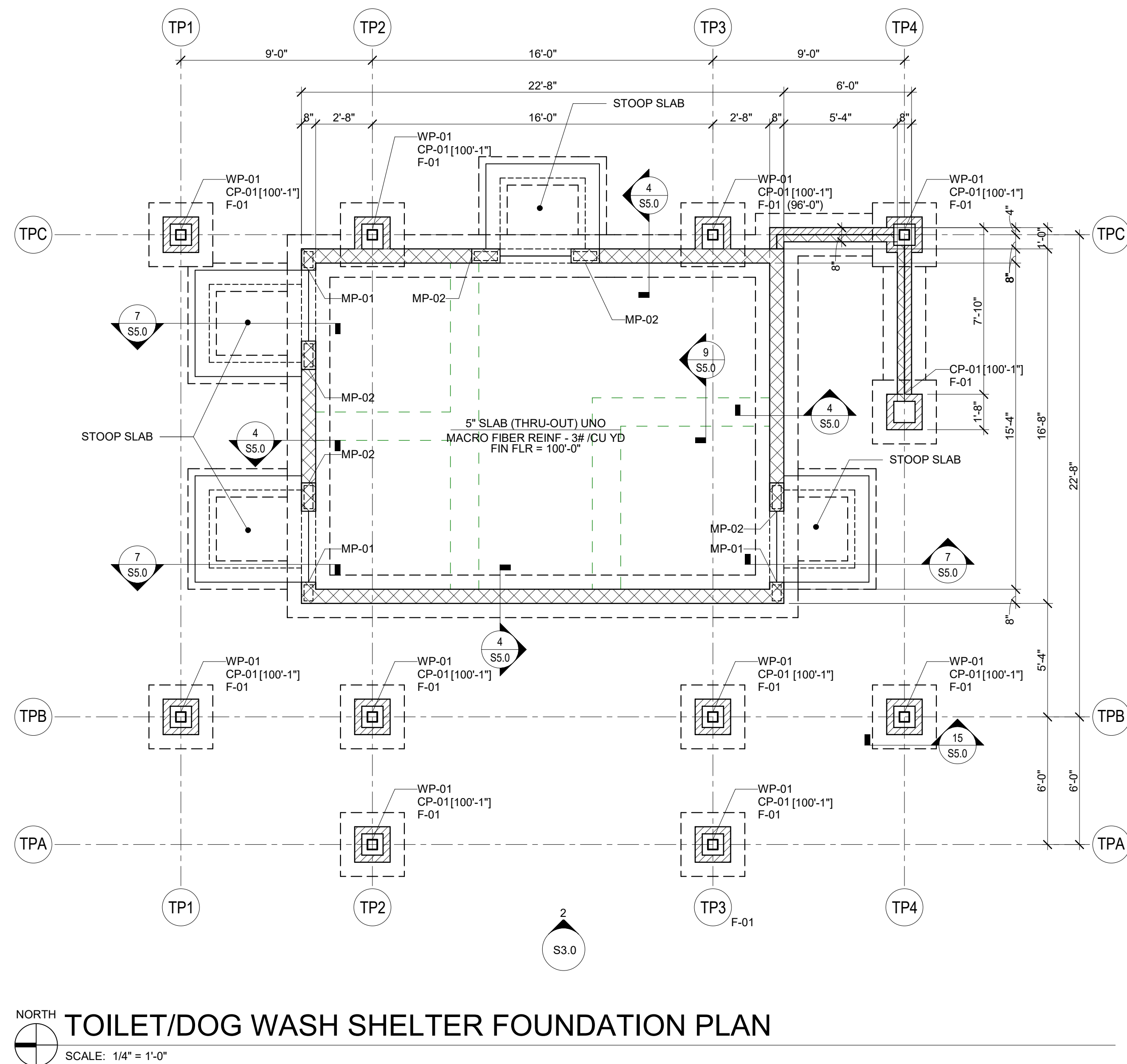
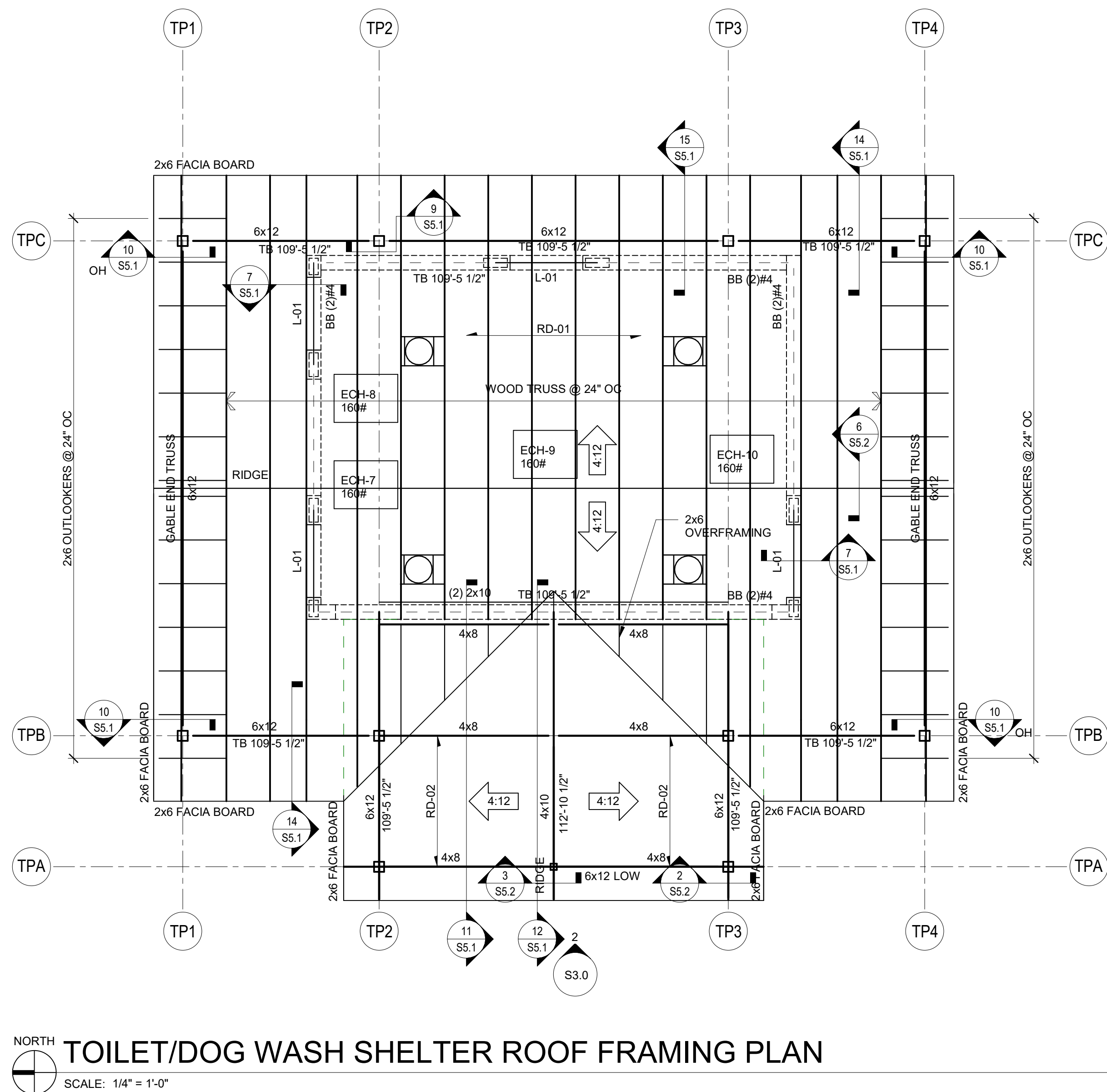
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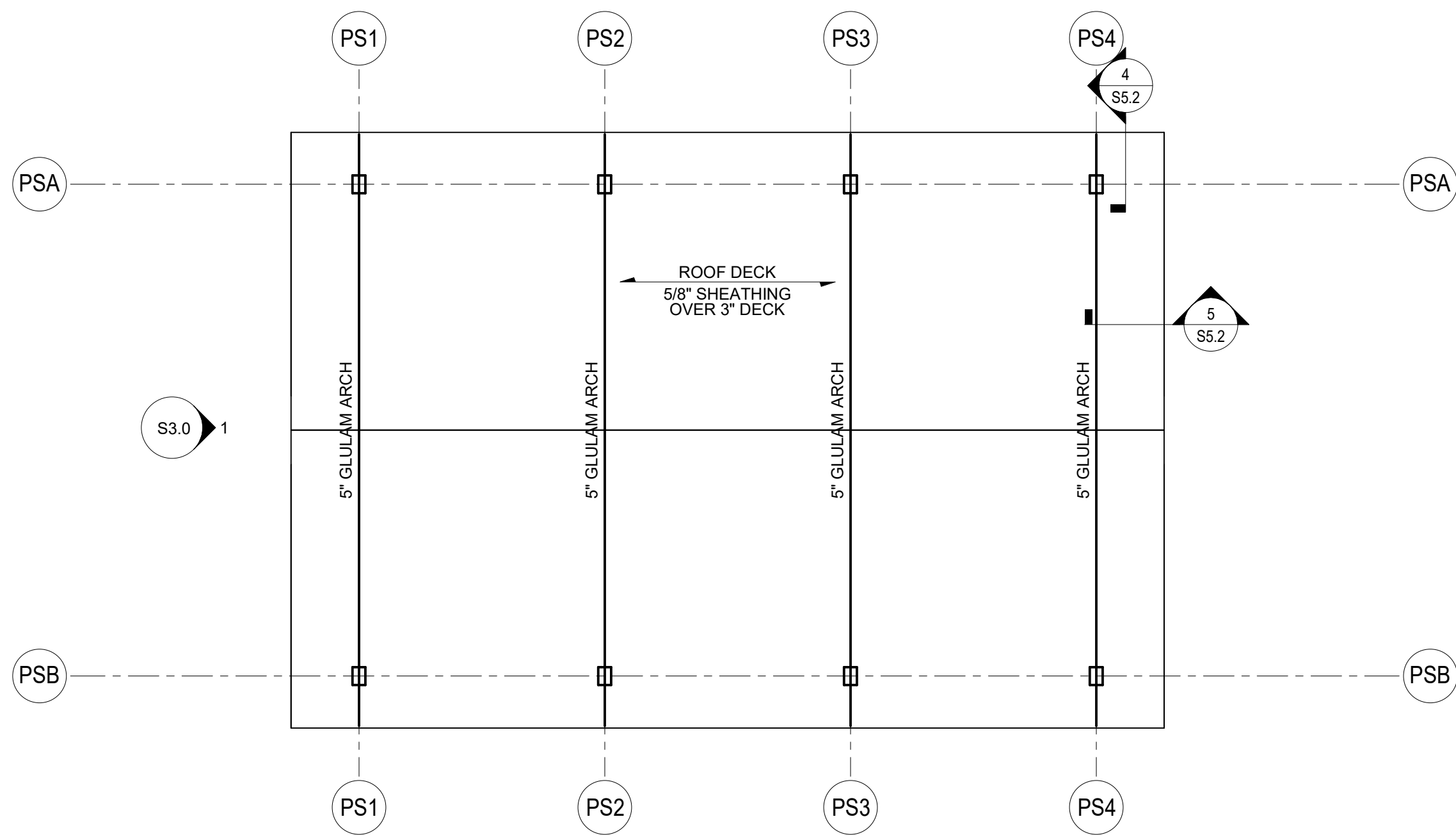
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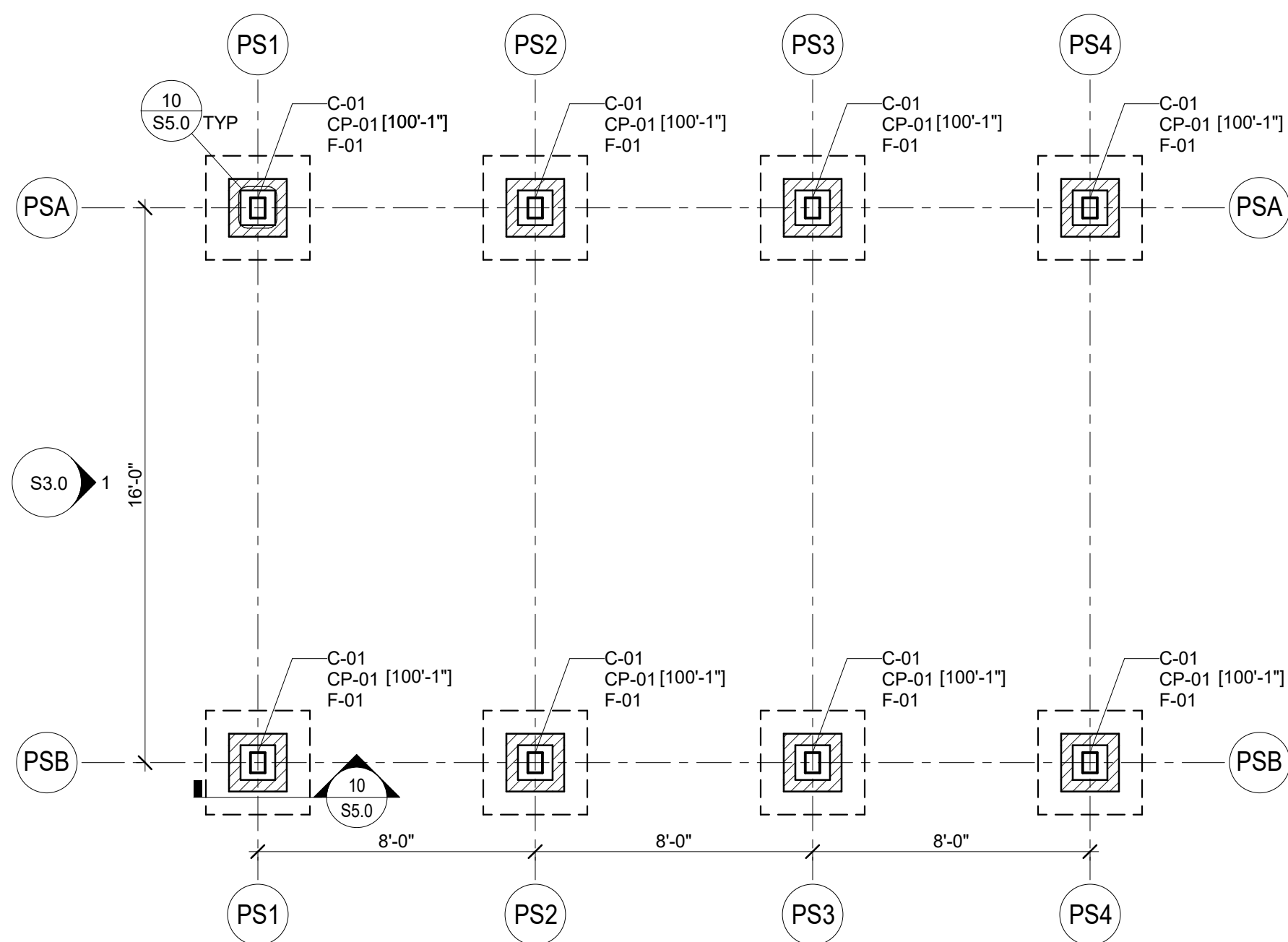
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NORTH
SCALE: 1/4" = 1'-0"

OPEN SHELTER ROOF FRAMING PLAN



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

OPEN SHELTER FOUNDATION PLAN



Project Title:
McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:		
DATE	DESCRIPTION	

Project Number:
3491

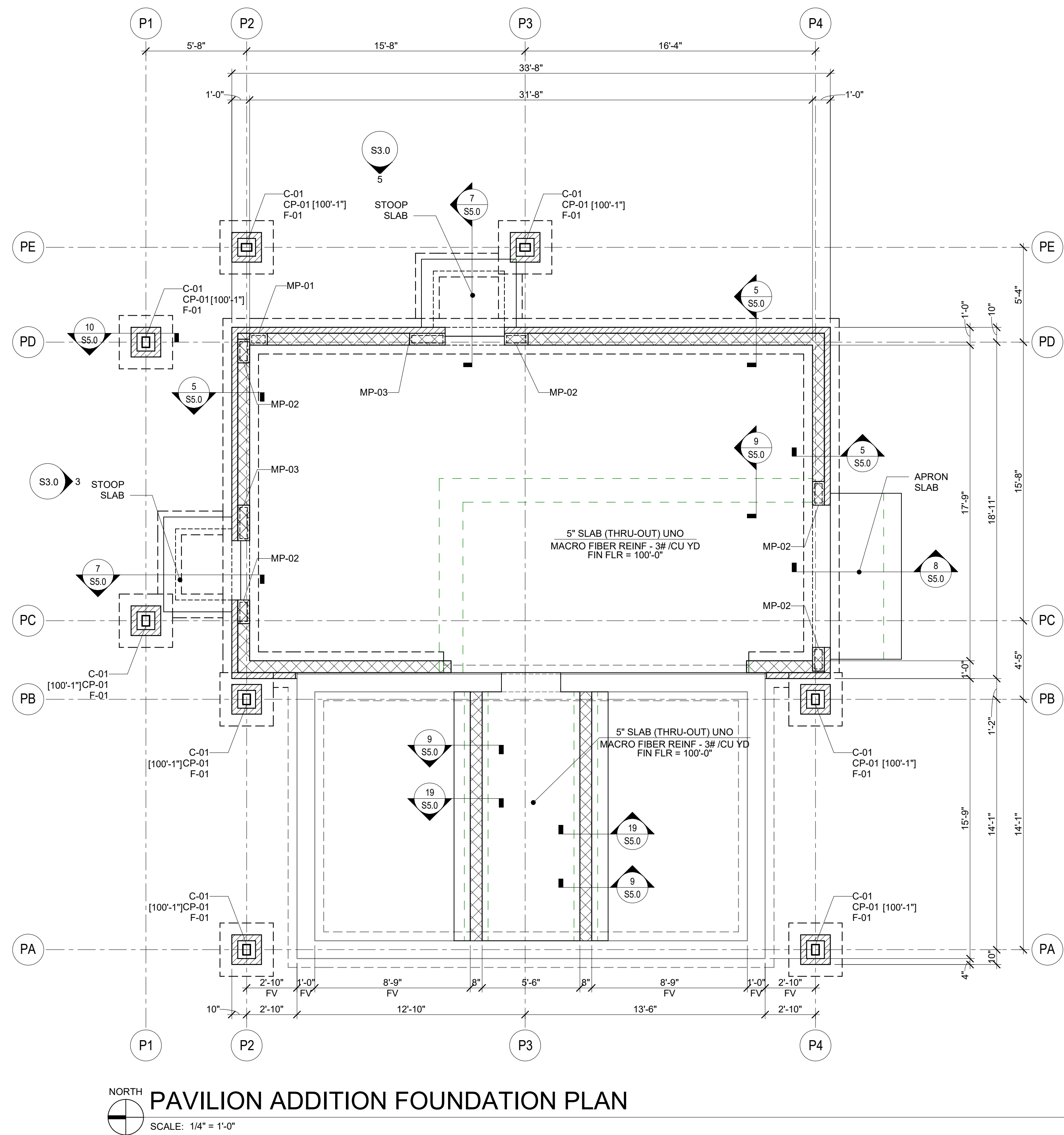
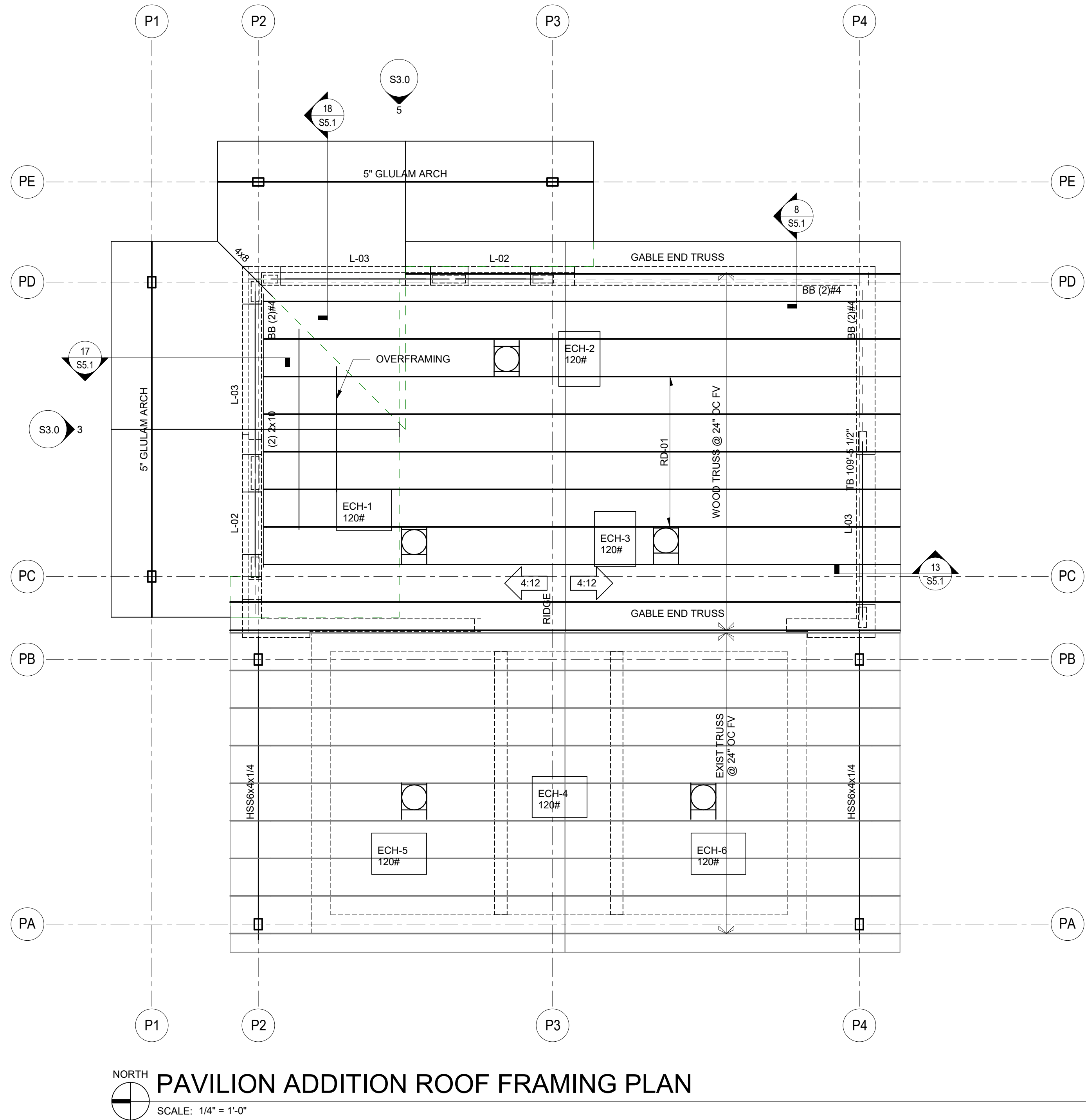
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Sheet Title:
OPEN SHELTER FOUNDATION AND ROOF FRAMING PLANS

Sheet Number:

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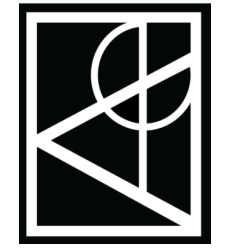
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PAVILION ADDITION
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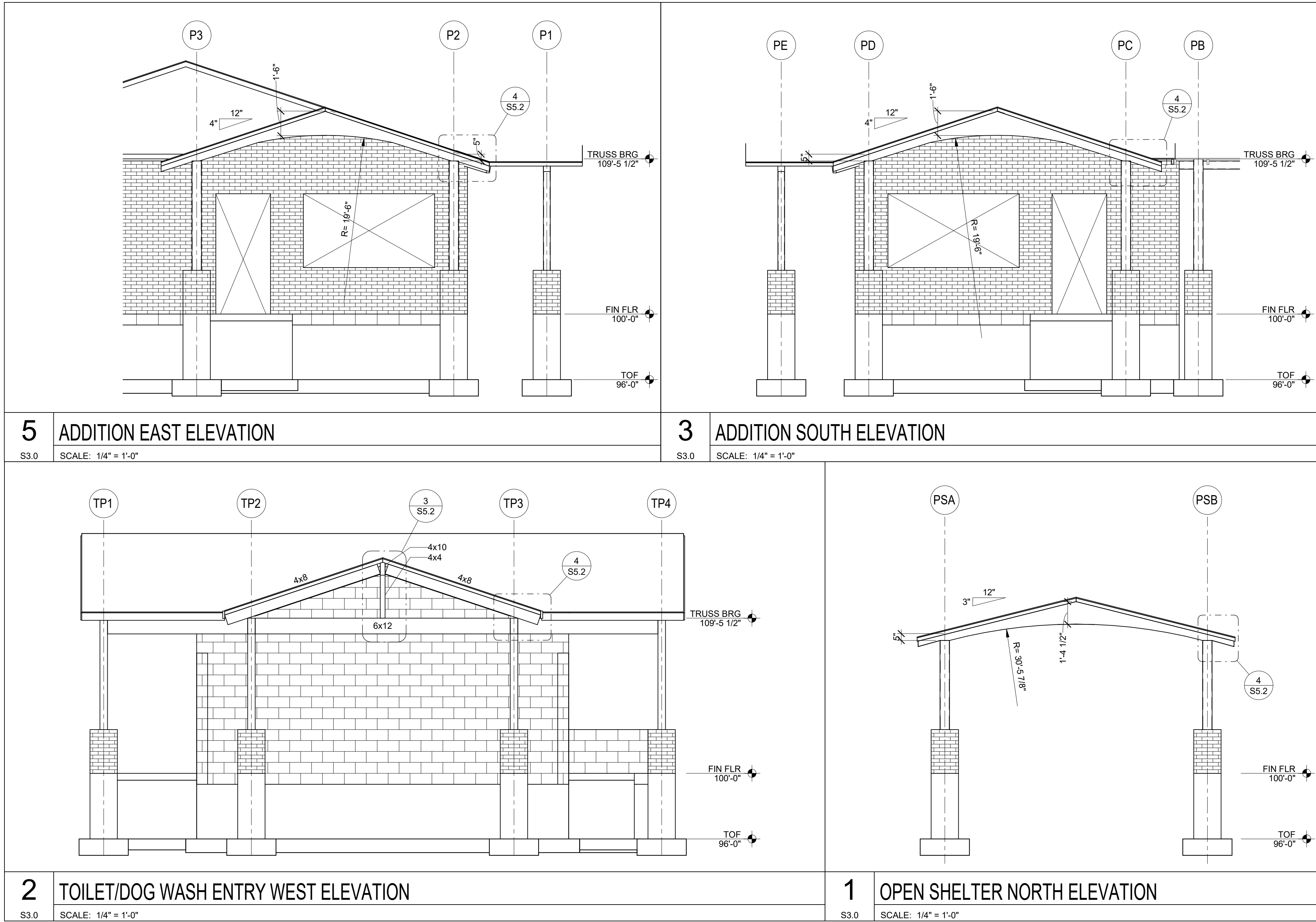
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1



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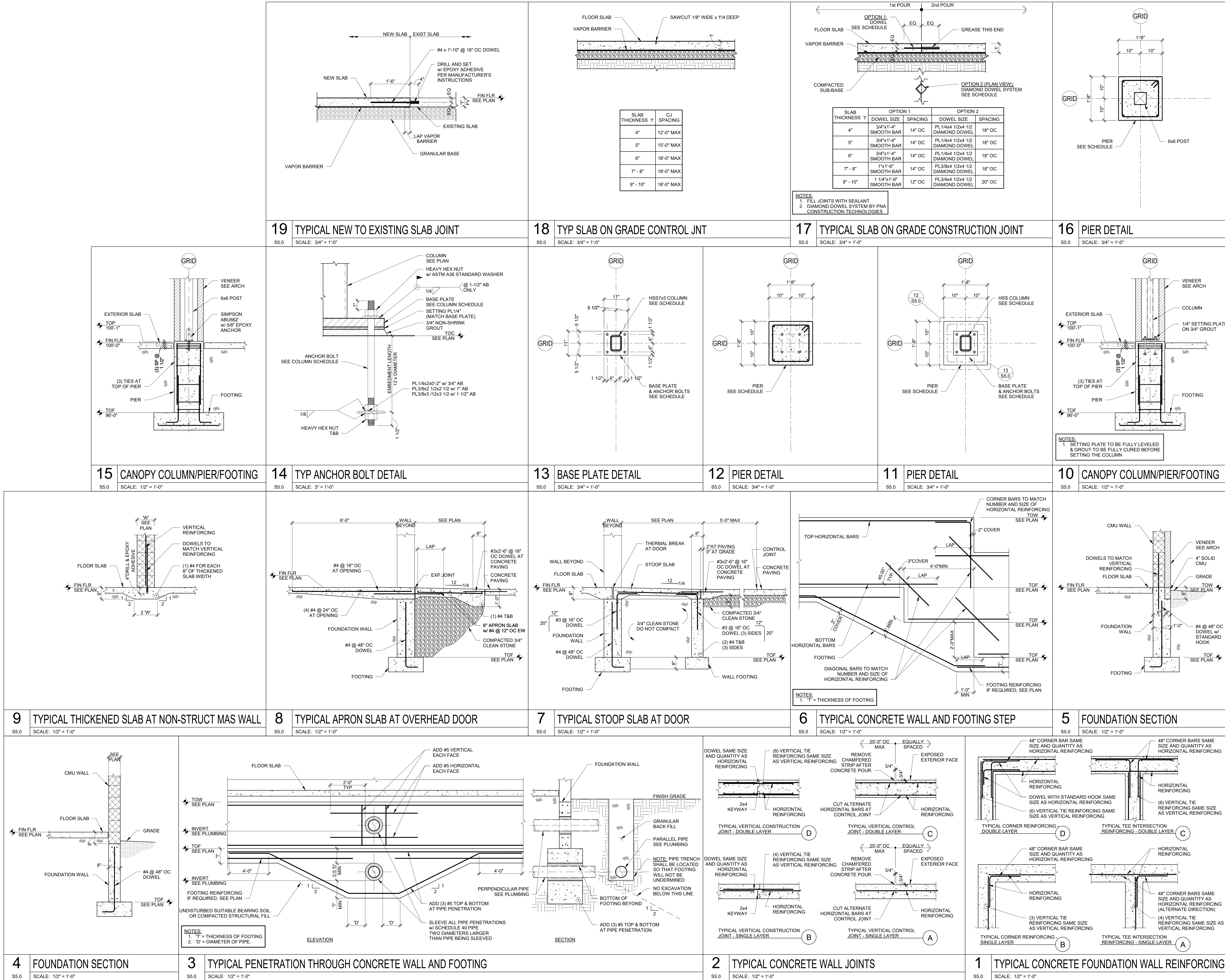
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FRAMING ELEVATIONS

Sheet Number:

S3.0

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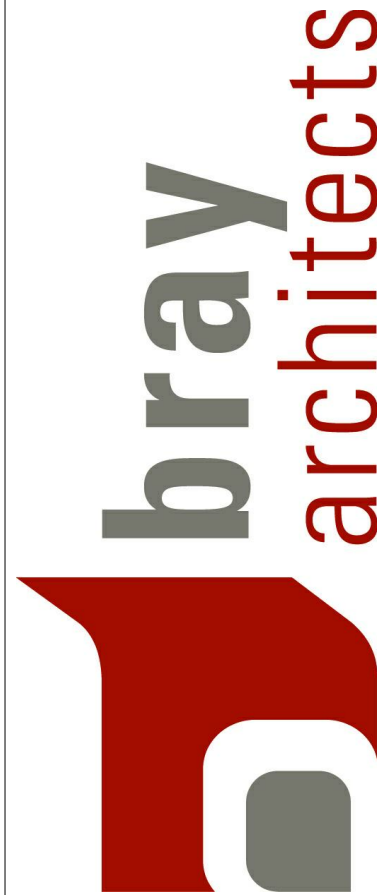
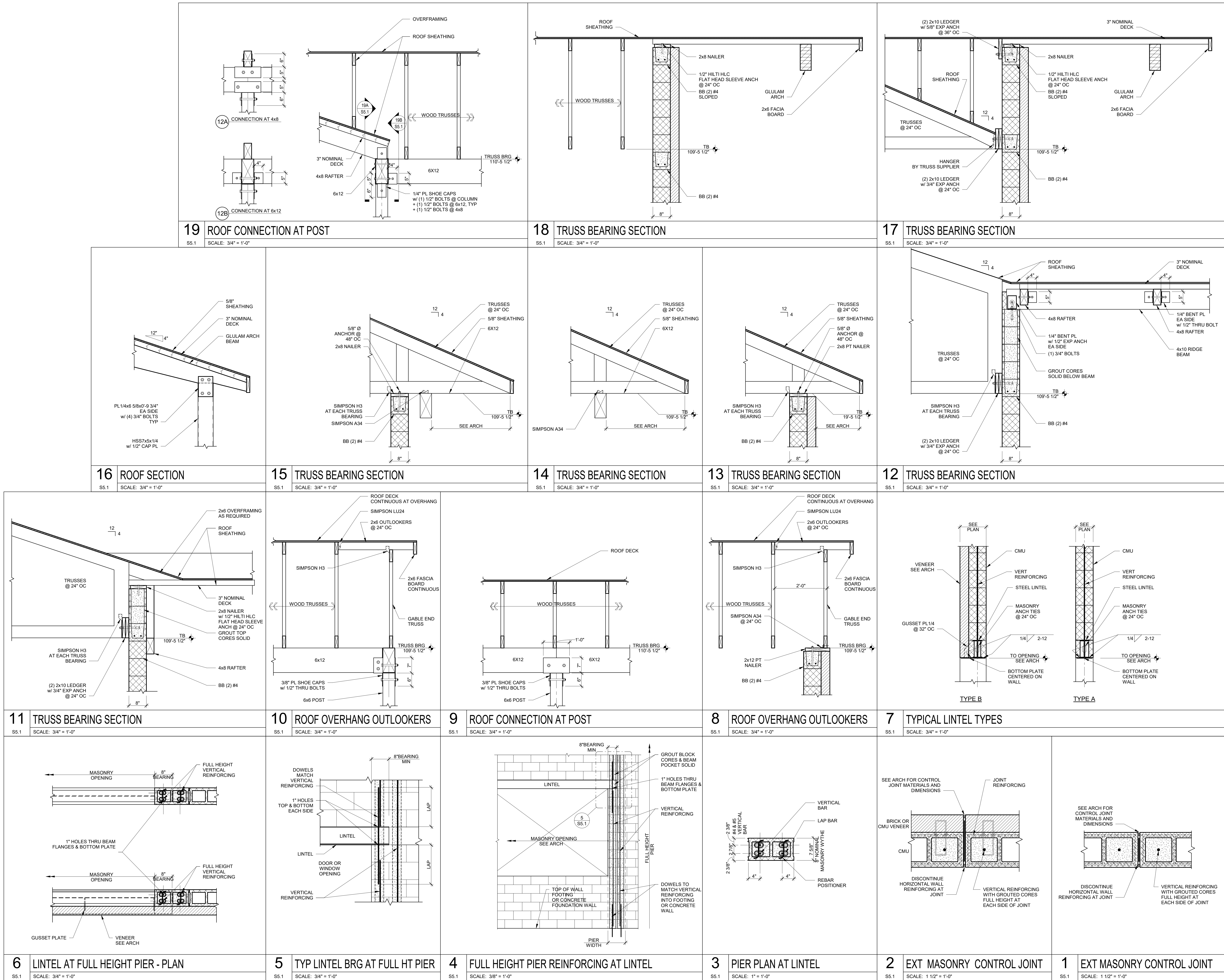
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SECTIONS AND DETAILS

Sheet Number:

S5.0

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AE PROJECT# 020137



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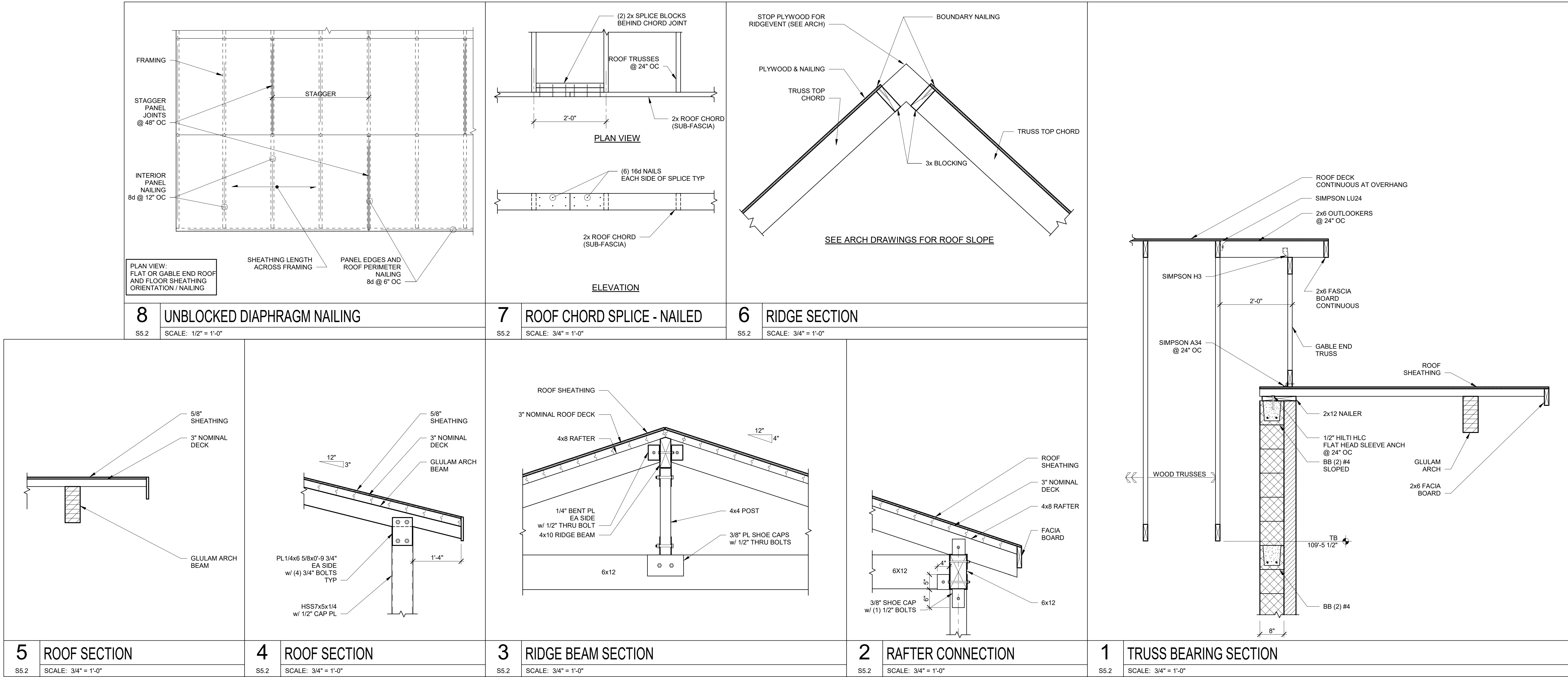
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Sheet Title:
SECTIONS AND DETAILS

Sheet Number:
S5.1

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Project Title:
**McFarland Park Facility Projects
Village of McFarland
McFarland, WI**

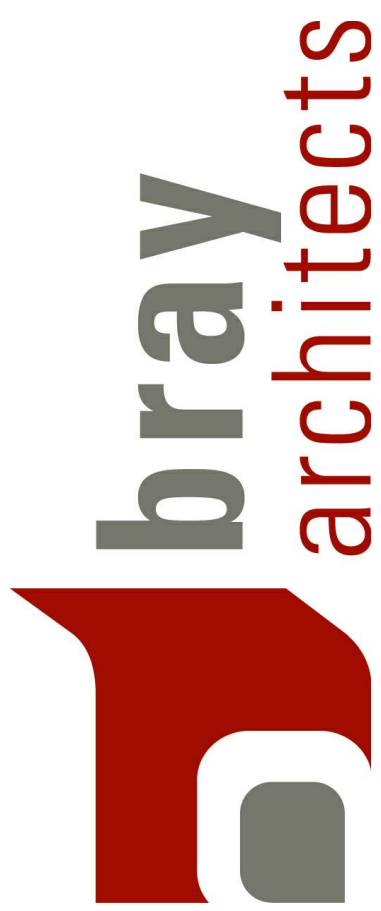
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SECTIONS AND DETAILS

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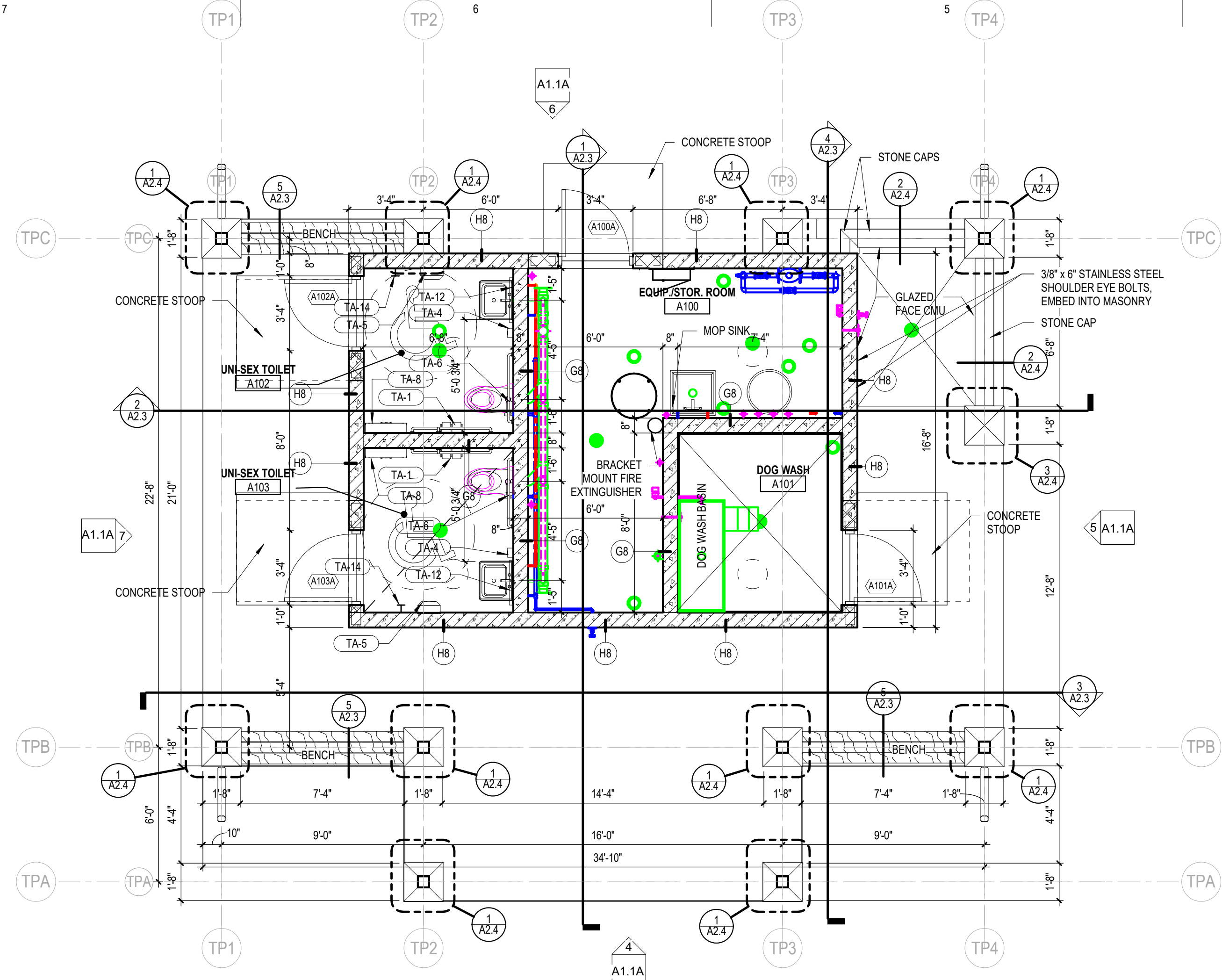
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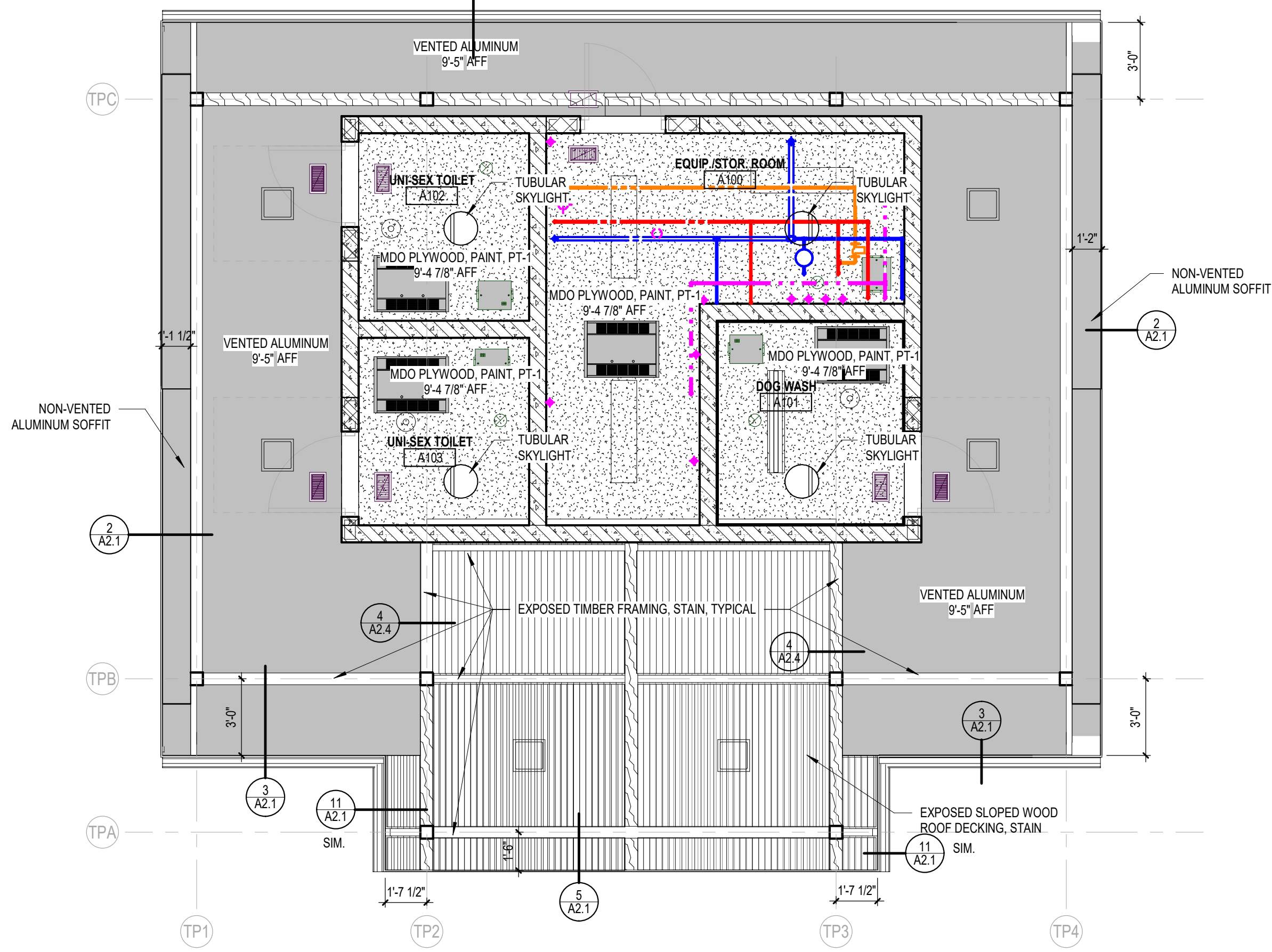
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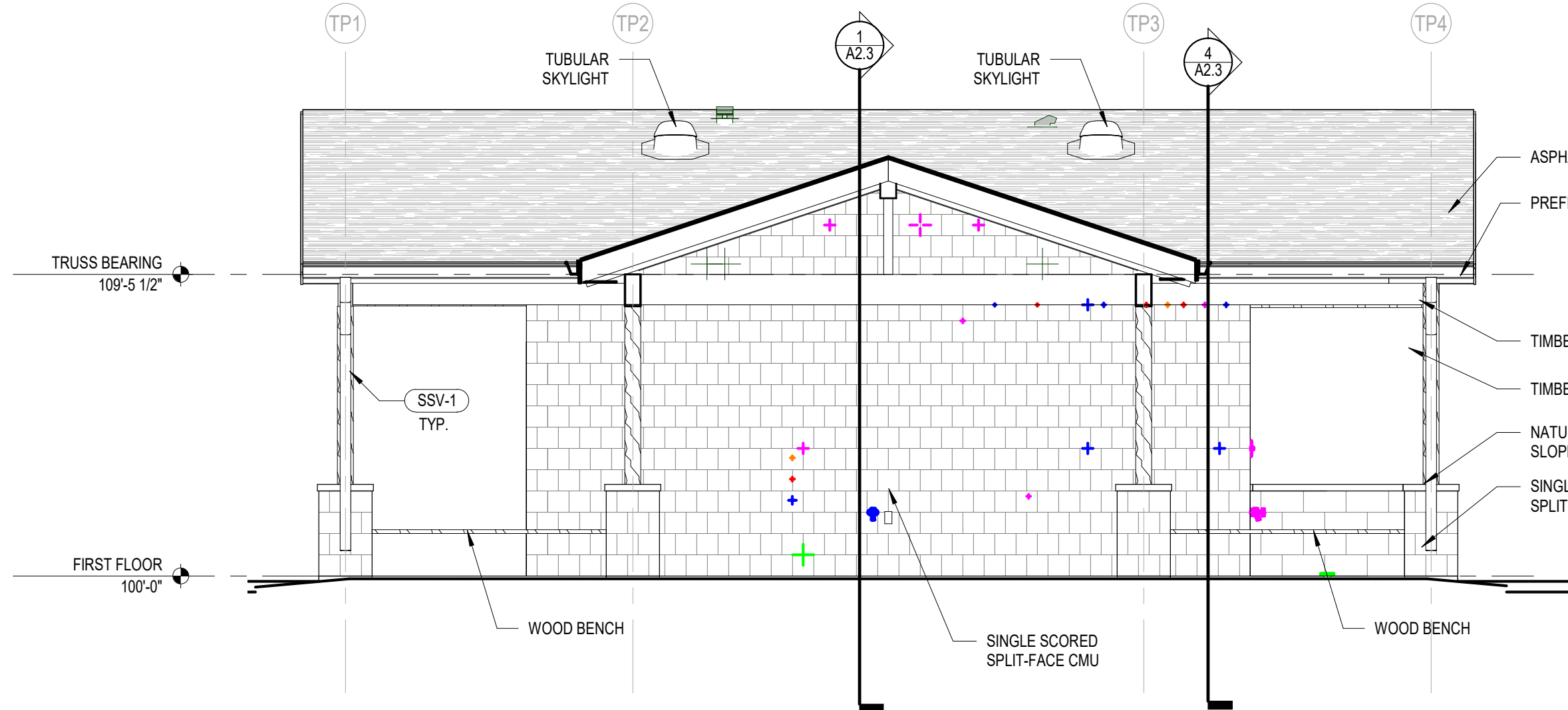
1 Toilet/Pet Wash Shelter Floor Plan

A1.1A Scale: 1/4" = 1'-0"



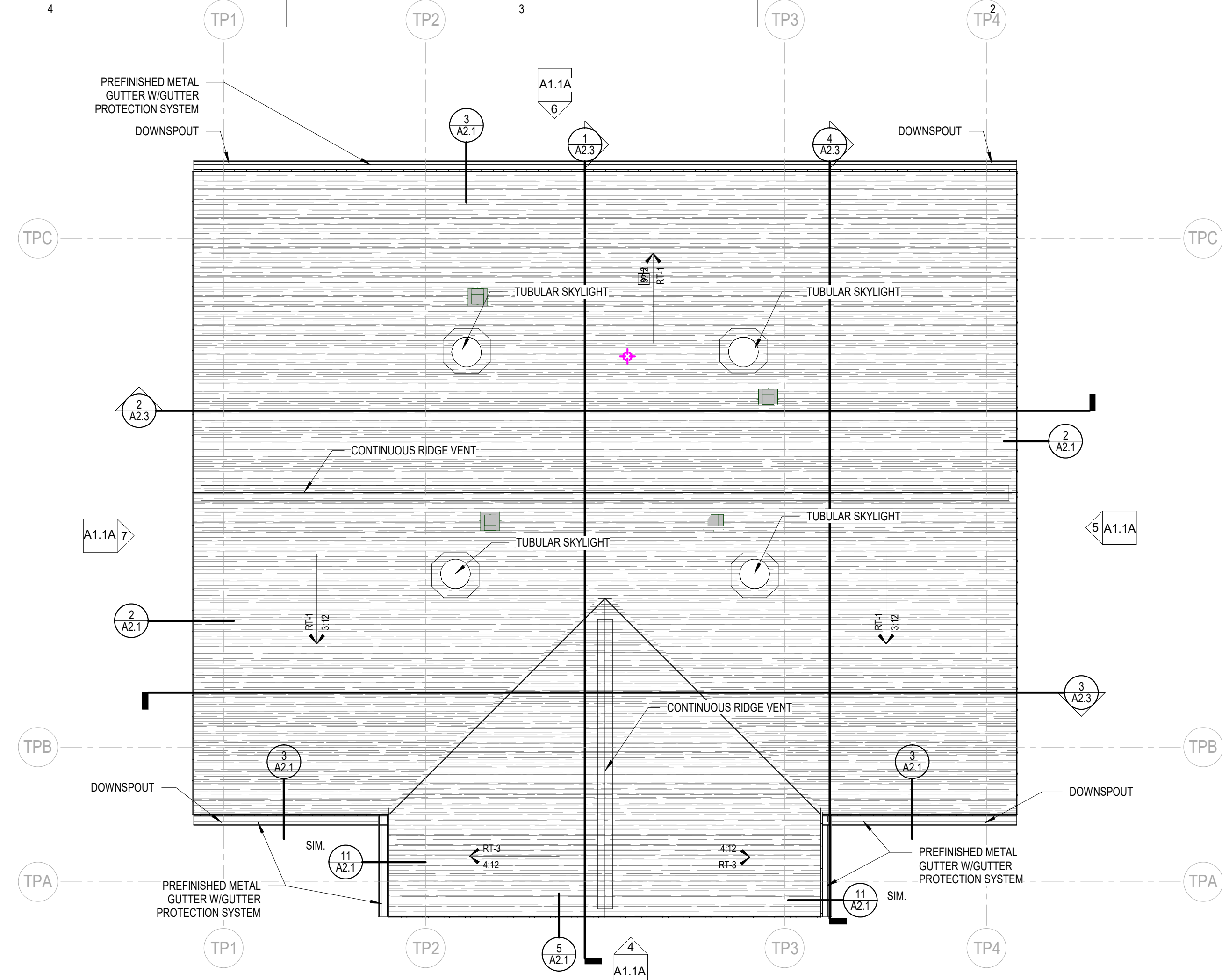
3 Reflected Ceiling Plan Toilet/Pet Wash Shelter

A1.1A Scale: 1/4" = 1'-0"



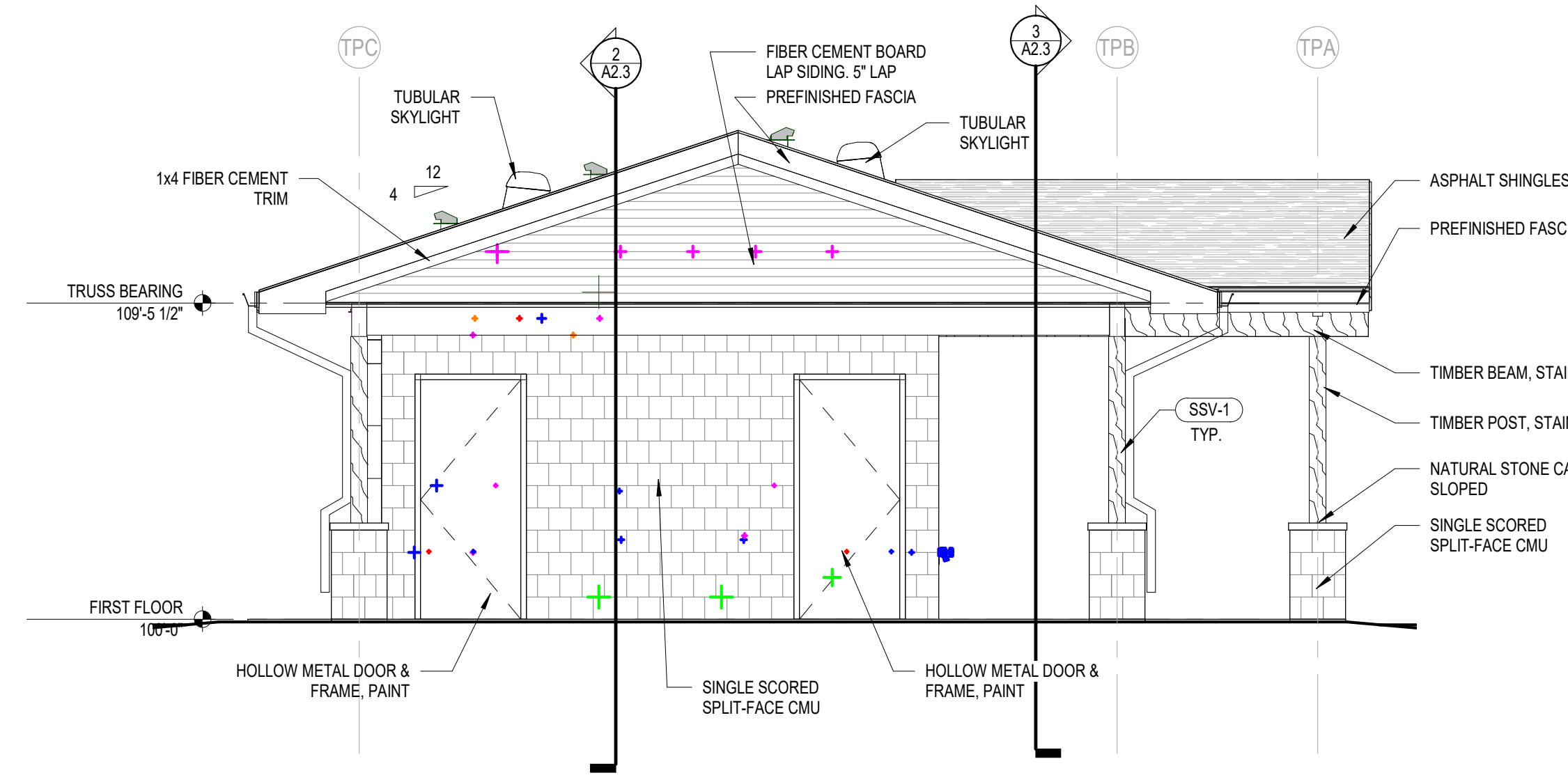
4 Toilet/Pet Wash Shelter Front Elevation

A1.1A Scale: 1/4" = 1'-0"



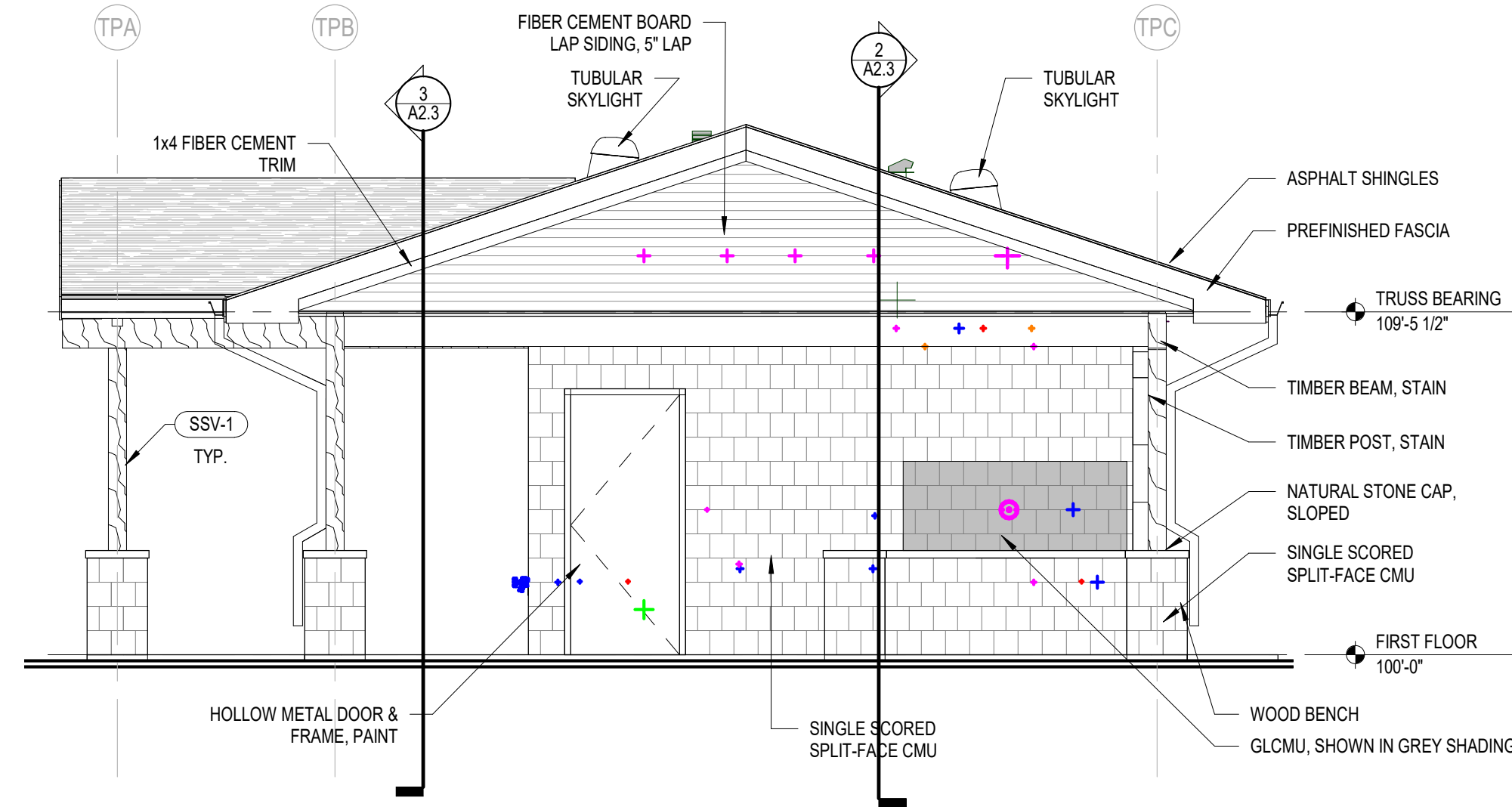
2 Toilet/Pet Wash Shelter Roof Plan

A1.1A Scale: 1/4" = 1'-0"



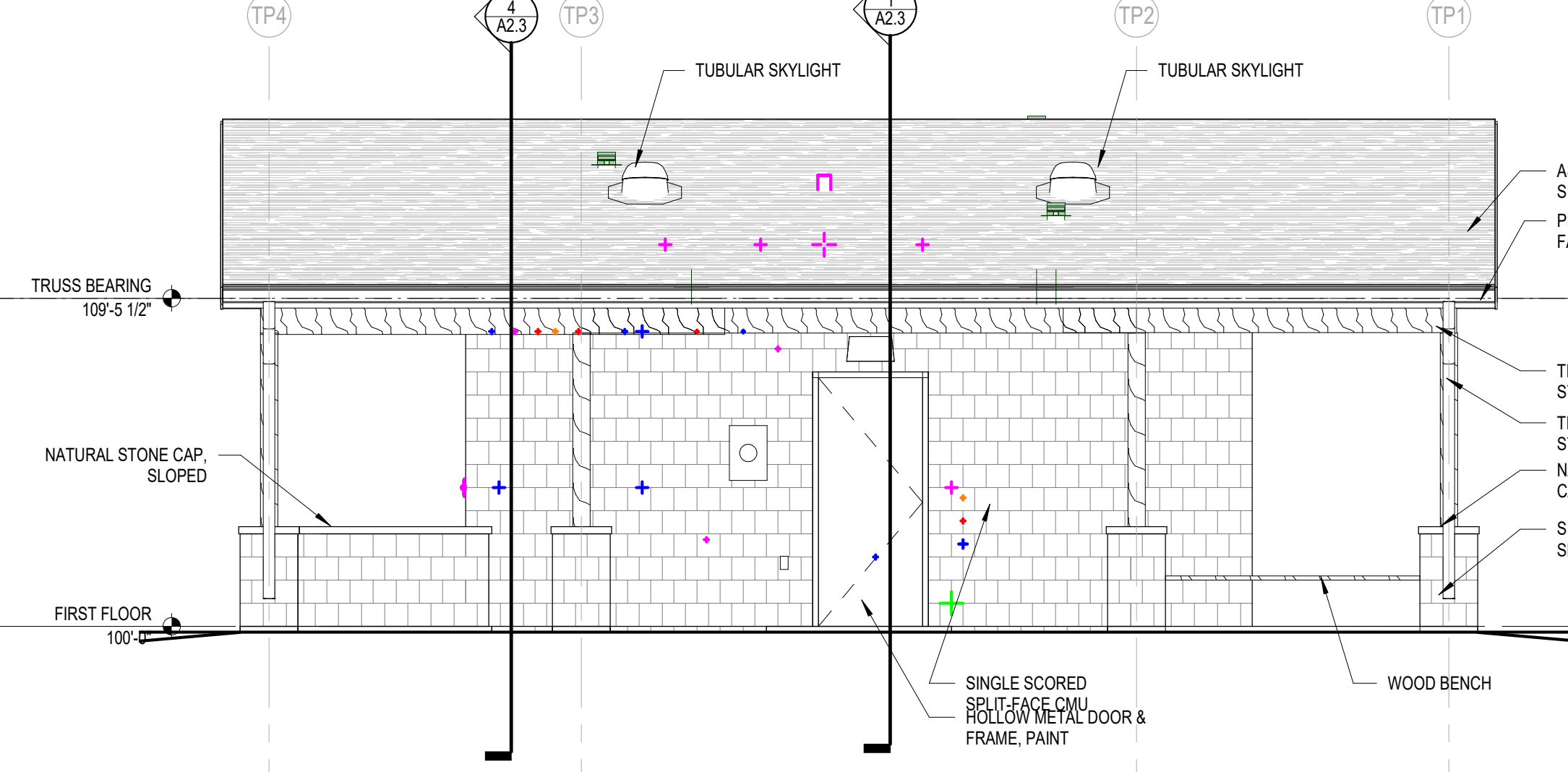
7 Toilet/Pet Wash Shelter Side Elevation B

A1.1A Scale: 1/4" = 1'-0"



5 Toilet/Pet Wash Shelter Side Elevation A

A1.1A Scale: 1/4" = 1'-0"



6 Toilet/Pet Wash Shelter Rear Elevation

A1.1A Scale: 1/4" = 1'-0"

KEYNOTE LEGEND

SSV-1	WOOD STAIN - SEE INTERIOR FINISH LEGEND
TA-1	TOILET PAPER DISPENSER - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
TA-4	LIQUID SOAP DISPENSER - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
TA-5	ELECTRIC HAND DRYER - FURNISHED BY ELEC. CONTRACTOR, INSTALLED BY ELEC. CONTRACTOR
TA-6	42" x 36" 18"V GRAB BAR SET - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-8	BABY CHANGING STATION - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-12	MIRROR - SEE INTERIOR ELEVATION FOR SIZE - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-14	ROBE HOOK - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR

GENERAL NOTES

- DO NOT SCALE FROM DRAWINGS.
- EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
- REFER TO SHEET G0.2 FOR WALL TYPES.
- REFER TO SHEET G0.2 FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEET FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
- REFER TO SHEET A9.0 FOR FLOOR TRANSITION DETAILS.
- REFER TO SHEET A9.0 FOR TYPICAL FLOOR/BASE CONDITIONS.
- CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
- HOUSEKEEPING PADS BY GENERAL CONTRACTOR. SEE PLUMBING DRAWINGS FOR LOCATIONS.
- PITCH ALL CONCRETE STOOPS AND APRONS 1/4" PER FOOT AWAY FROM BUILDING.
- SLOPE ALL INTERIOR FLOOR SLABS TO DRAINS, MINIMUM 1/4" PER FOOT.

ROOF PLAN LEGEND & NOTES

ROOF TYPE 1 (RT-1):	- ASPHALT SHINGLES - SYNTHETIC UNDERLAYMENT 5/8" PLYWOOD SHEATHING
ROOF TYPE 2 (RT-2):	- ASPHALT SHINGLES - SYNTHETIC UNDERLAYMENT - EXISTING PLYWOOD SHEATHING
ROOF TYPE 3 (RT-3):	- ASPHALT SHINGLES - SYNTHETIC UNDERLAYMENT 5/8" PLYWOOD SHEATHING 2X6 T&G WOOD DECKING 4:12 SLOPE
ROOF TYPE 4 (RT-4):	- ASPHALT SHINGLES - SYNTHETIC UNDERLAYMENT 5/8" PLYWOOD SHEATHING 2X6 T&G WOOD DECKING 3:12 SLOPE

- NOT ALL ROOF PENETRATIONS ARE SHOWN. ROOFING CONTRACTOR TO VERIFY PENETRATIONS WITH ALL BUILDING TRADES.
- SEE PLUMBING AND HVAC DRAWINGS FOR SIZES, QUANTITIES, LOCATIONS AND TYPES OF ROOF PENETRATIONS.

GENERAL CEILING PLAN NOTES

	MOO PLYWOOD CEILING
	EXISTING GYP. BOARD CEILING

- ALL CEILINGS AND SOFFITS TO BE PAINTED PT-1 UNLESS NOTED OTHERWISE. WHERE A PAINT COLOR IS INDICATED, PAINT THE BOTTOM AND FACE OF THE SOFFIT THE COLOR INDICATED.
- COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES, HVAC EQUIPMENT, ETC. CONSULT WITH ARCHITECT REGARDING ANY DISCREPANCIES.
- SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CEILING MOUNTED DEVICE SYMBOL LEGEND.

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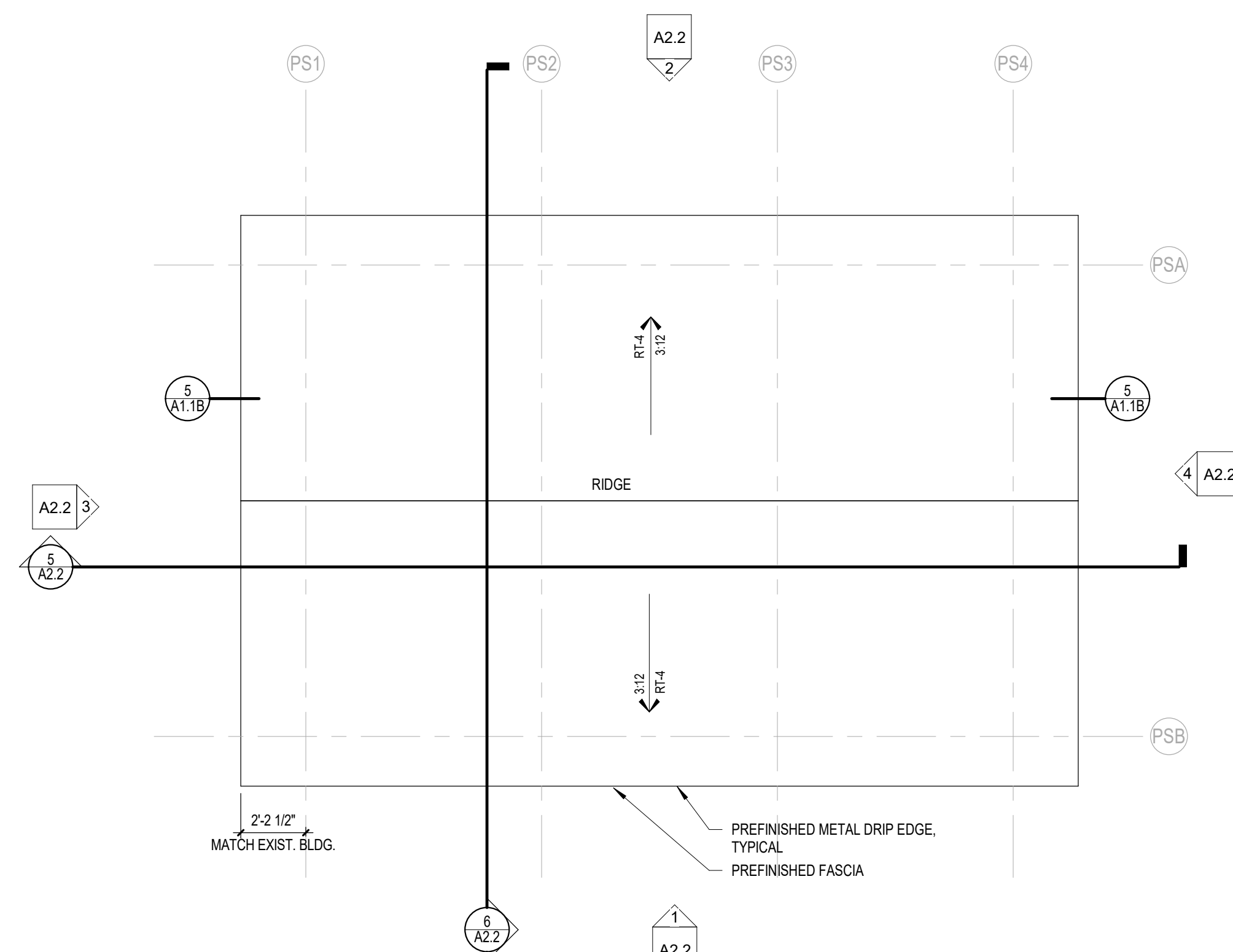
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Sheet Title:

Toilet/Dog Wash Shelter Plans & Elevations

Sheet Number:

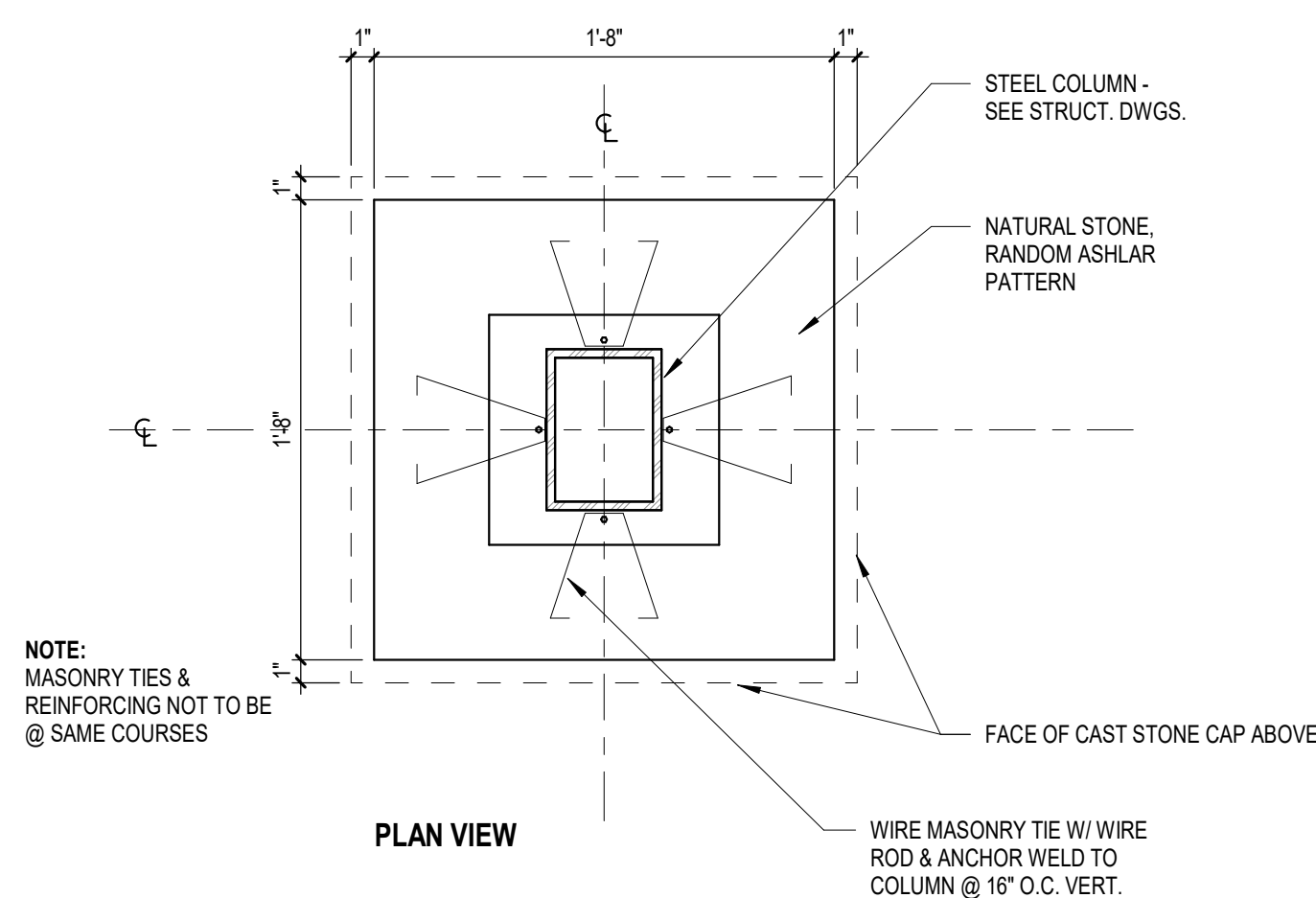
A1.1A



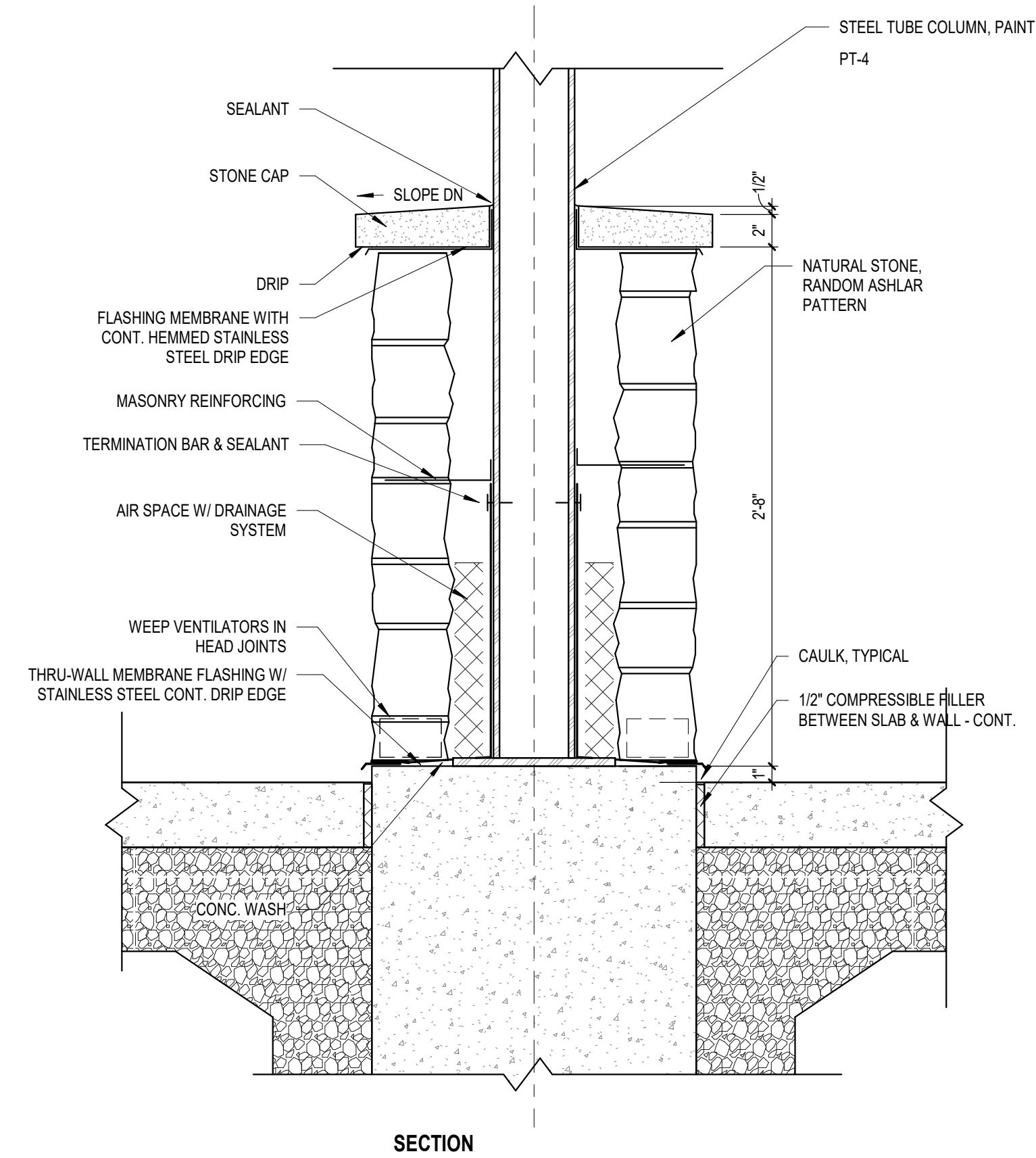
2 Open Shelter Roof Plan
A1.1B Scale: 1/4" = 1'-0"

1. NOT ALL ROOF PENETRATIONS ARE SHOWN. ROOFING CONTRACTOR TO VERIFY PENETRATIONS WITH ALL BUILDING TRADES.
2. SEE PLUMBING AND HVAC DRAWINGS FOR SIZES, QUANTITIES, LOCATIONS AND TYPES OF ROOF PENETRATIONS.

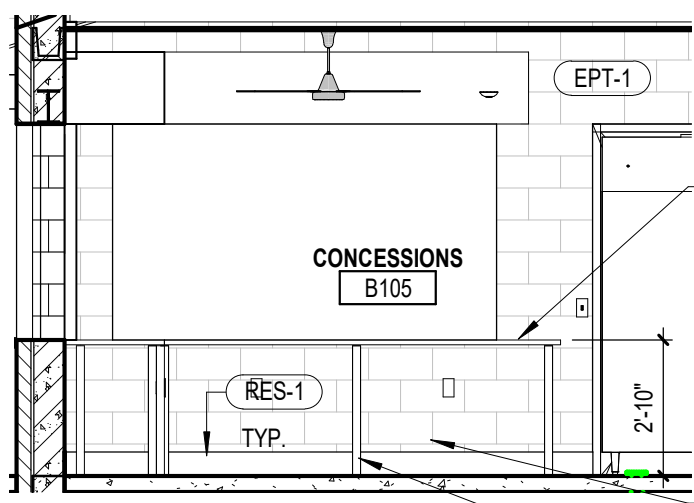
1. DO NOT SCALE FROM DRAWINGS.
2. EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT REVIEW OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
3. REFER TO SHEET G02.0 FOR WALL TYPES.
4. REFER TO SHEET G02 FOR FLOOR MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEET FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
5. REFER TO SHEET A9.0 FOR FLOOR TRANSITION DETAILS.
6. REFER TO SHEET A9.0 FOR TYPICAL FLOORBASE CONDITIONS.
7. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
8. HOUSEKEEPING PADS BY GENERAL CONTRACTOR. SEE PLUMBING DRAWINGS FOR LOCATIONS.
9. PITCH ALL CONCRETE STOOPS AND APRONS 1" PER FOOT AWAY FROM BUILDING.
10. SLOPE ALL INTERIOR FLOOR SLABS TO DRAINS, MINIMUM 1/4" PER FOOT.



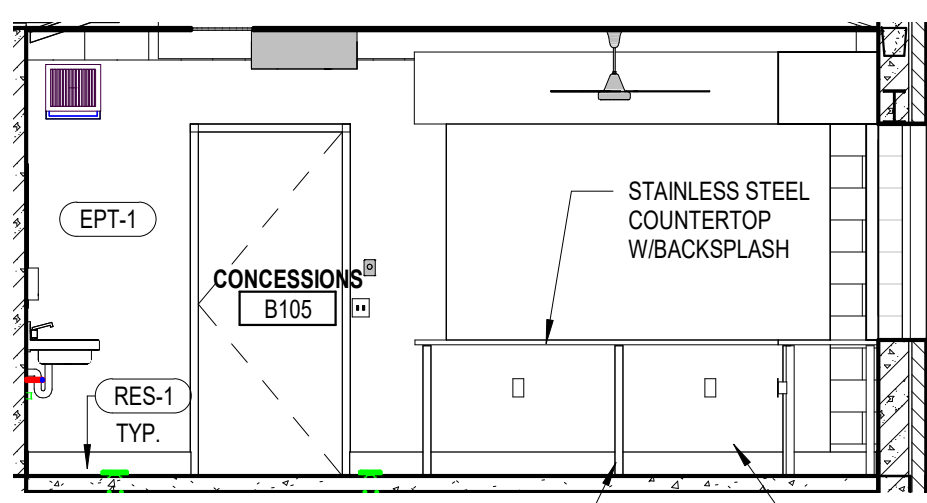
PLAN VIEW



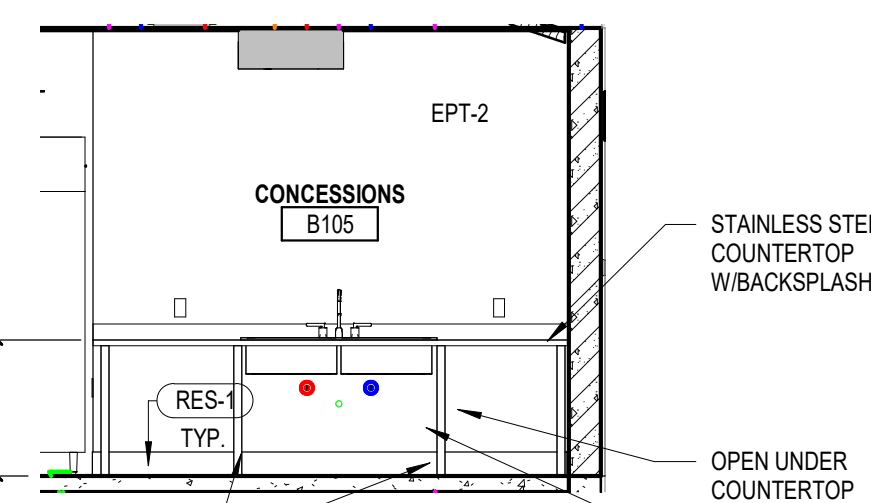
4 Stone Pier Detail



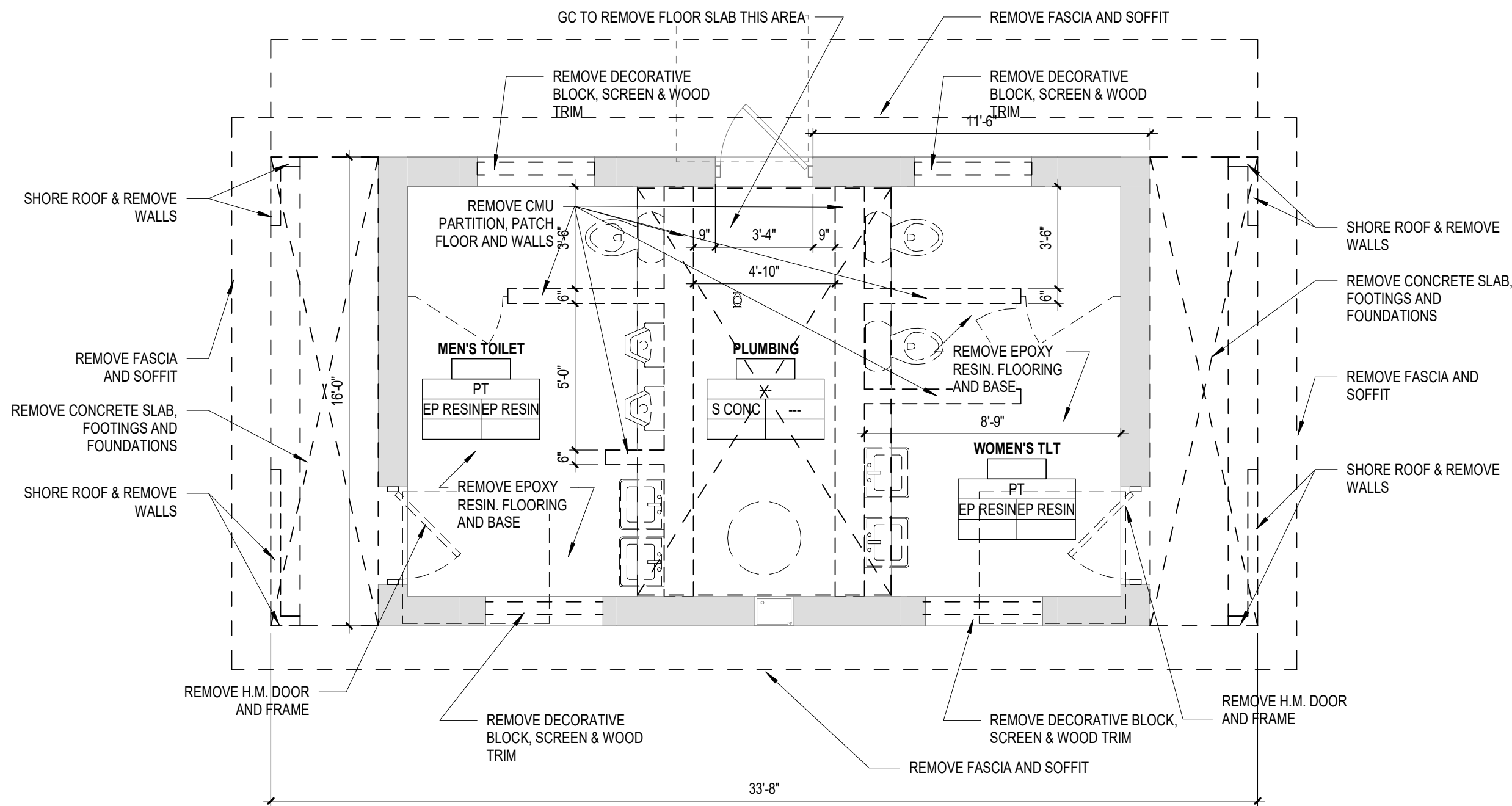
5 B105 - Concessions A
A1.1C Scale: 1/4" = 1'-0"



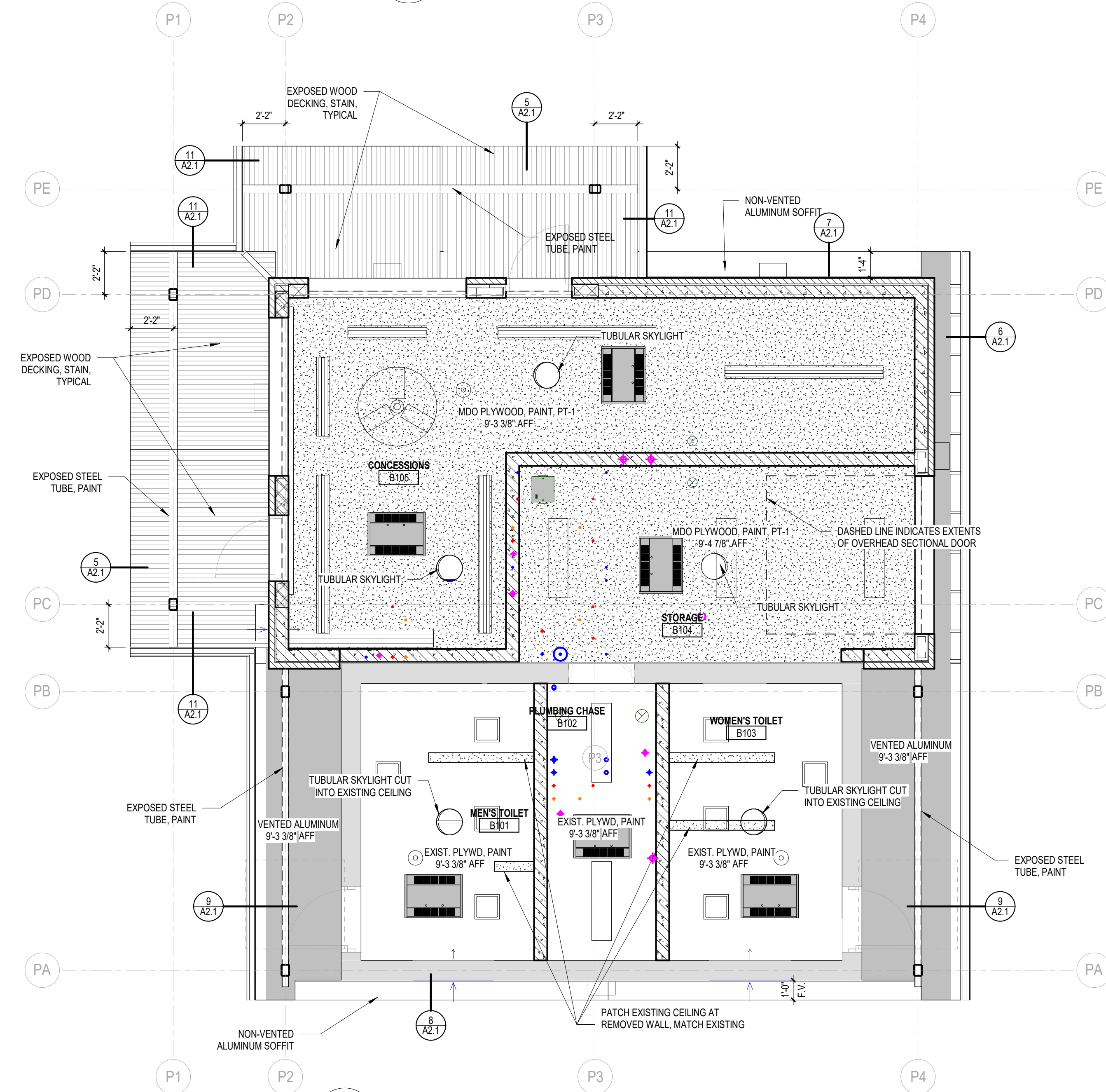
6 B105 - Concessions B
A1.1C Scale: 1/4" = 1'-0"



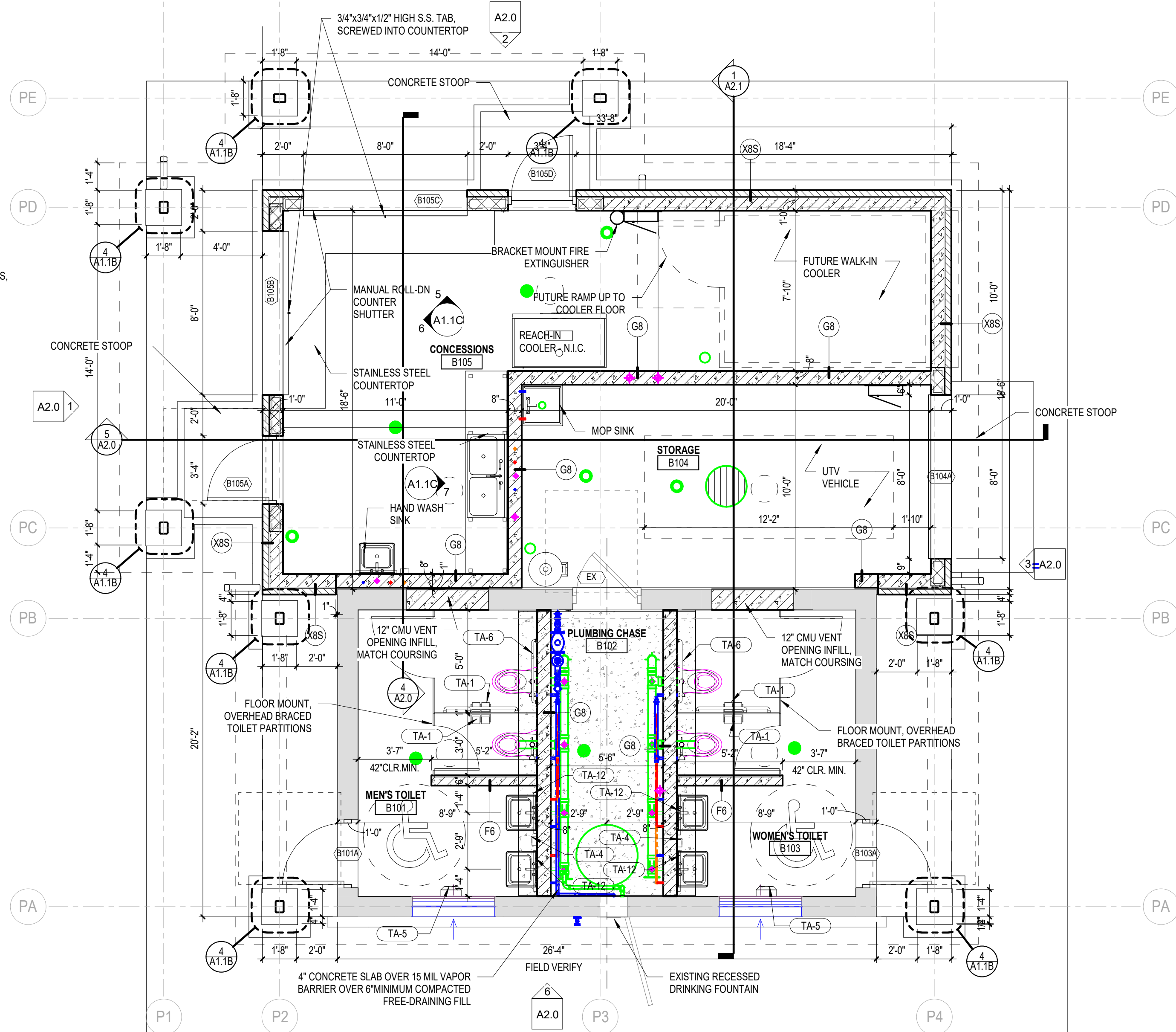
7 B105 - Concessions C
A1.1C Scale: 1/4" = 1'-0"



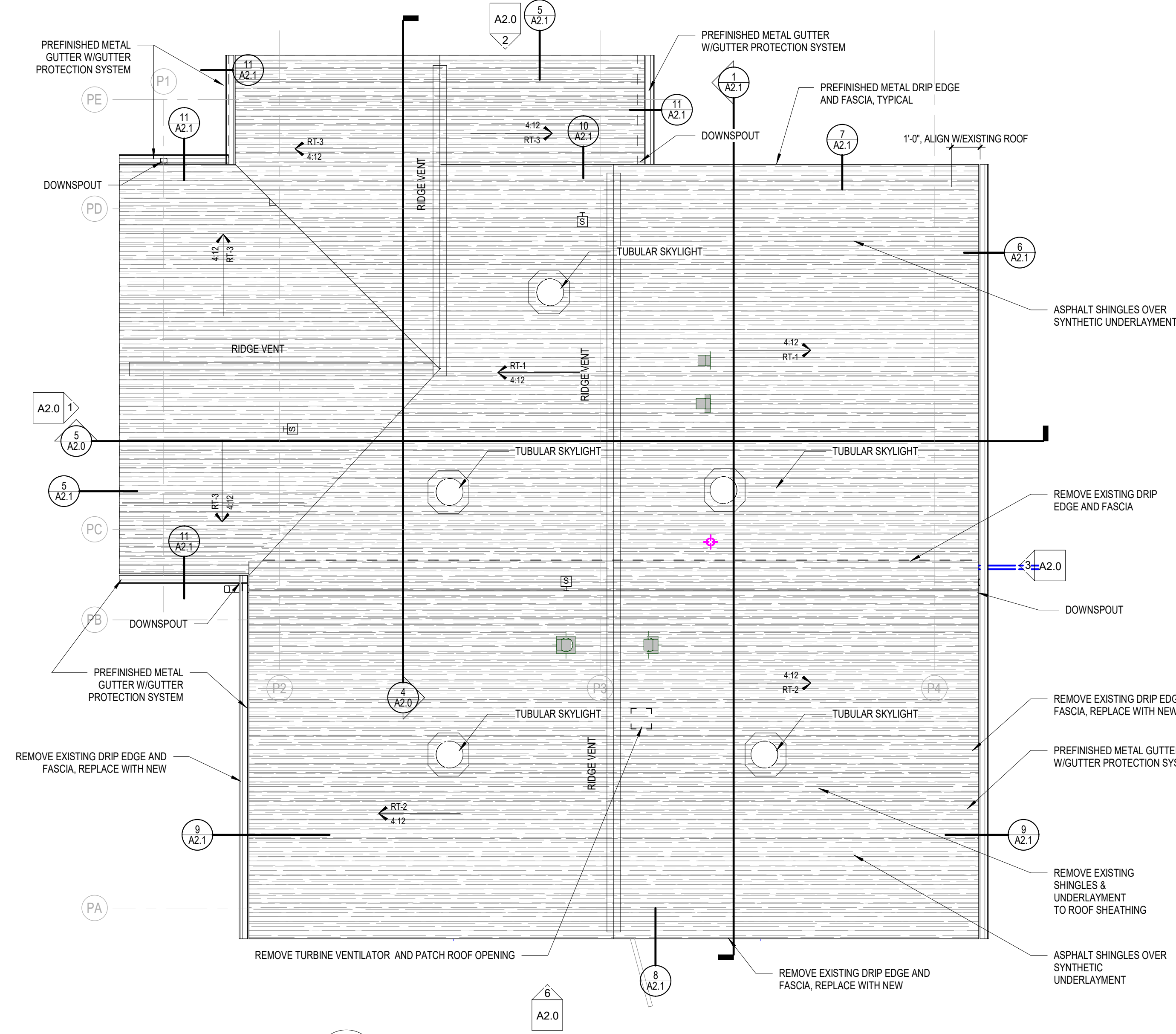
1 Pavilion Addition Demolition Plan
A1.1C Scale: 1/4" = 1'-0"



3 Reflected Ceiling Plan Pavilion Addition
A1.1C Scale: 1/4" = 1'-0"



2 Pavilion Addition Floor Plan
A1.1C Scale: 1/4" = 1'-0"



4 Pavilion Addition Roof Plan
A1.1C Scale: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

EXISTING ROOM TAG LEGEND:

EXISTING ROOM NAME	EXISTING WALL FINISHES	EXISTING WALL BASE TYPE	EXISTING CEILING HEIGHT
EX. RM #			

- OWNER IS RESPONSIBLE FOR REMOVAL OF ALL LOOSE FURNISHINGS PRIOR TO GENERAL DEMOLITION. ALL ITEMS INCLUDING DOORS, DOOR HARDWARE, CEILING TILES CONSIDERED SALVAGEABLE SHALL ALSO BE REMOVED BY THE OWNER PRIOR TO GENERAL DEMOLITION.
- REMOVE ALL APPLIED FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. SEE ROOM FINISH SCHEDULE FOR FINISHES.
- EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
- UNLESS NOTED OTHERWISE, PATCH ALL FLOORS, BASE, WALLS AND CEILINGS AT EXPOSED AREAS AFFECTED BY DEMOLITION REGARDLESS OF TRADE DOING THE DEMOLITION WORK. PATCH TO MATCH ADJACENT EXISTING CONSTRUCTION WHERE SPECIFIC INFORMATION IS NOT NOTED OR SCHEDULED. REFER TO ROOM FINISH SCHEDULE.
- DISPOSE OF ALL BUILDING MATERIAL IN LAWFUL MANNER.
- SEE FLOOR PLANS, ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION INFORMATION WHICH MAY NOT BE INDICATED ON DEMOLITION PLANS AND TO COORDINATE EXTENT OF DEMOLITION REQUIRED.
- SEE PROJECT MANUAL AND PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ANY REQUIRED DEMOLITION OF PLUMBING, HVAC AND ELECTRICAL EQUIPMENT/MATERIALS PERFORMED BY THOSE TRADES.

KEYNOTE LEGEND

EPT-1	EPoxy PAINT
RES-1	RESINOUS FLOOR
TA-1	TOILET PAPER DISPENSER - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
TA-4	LIQUID SOAP DISPENSER - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
TA-5	ELECTRIC HAND DRYER - FURNISHED BY ELEC. CONTRACTOR, INSTALLED BY ELEC. CONTRACTOR
TA-6	42" 36" 18V GRAB BAR SET - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-12	MIRROR - SEE INTERIOR ELEVATION FOR SIZE - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR

GENERAL CEILING PLAN NOTES

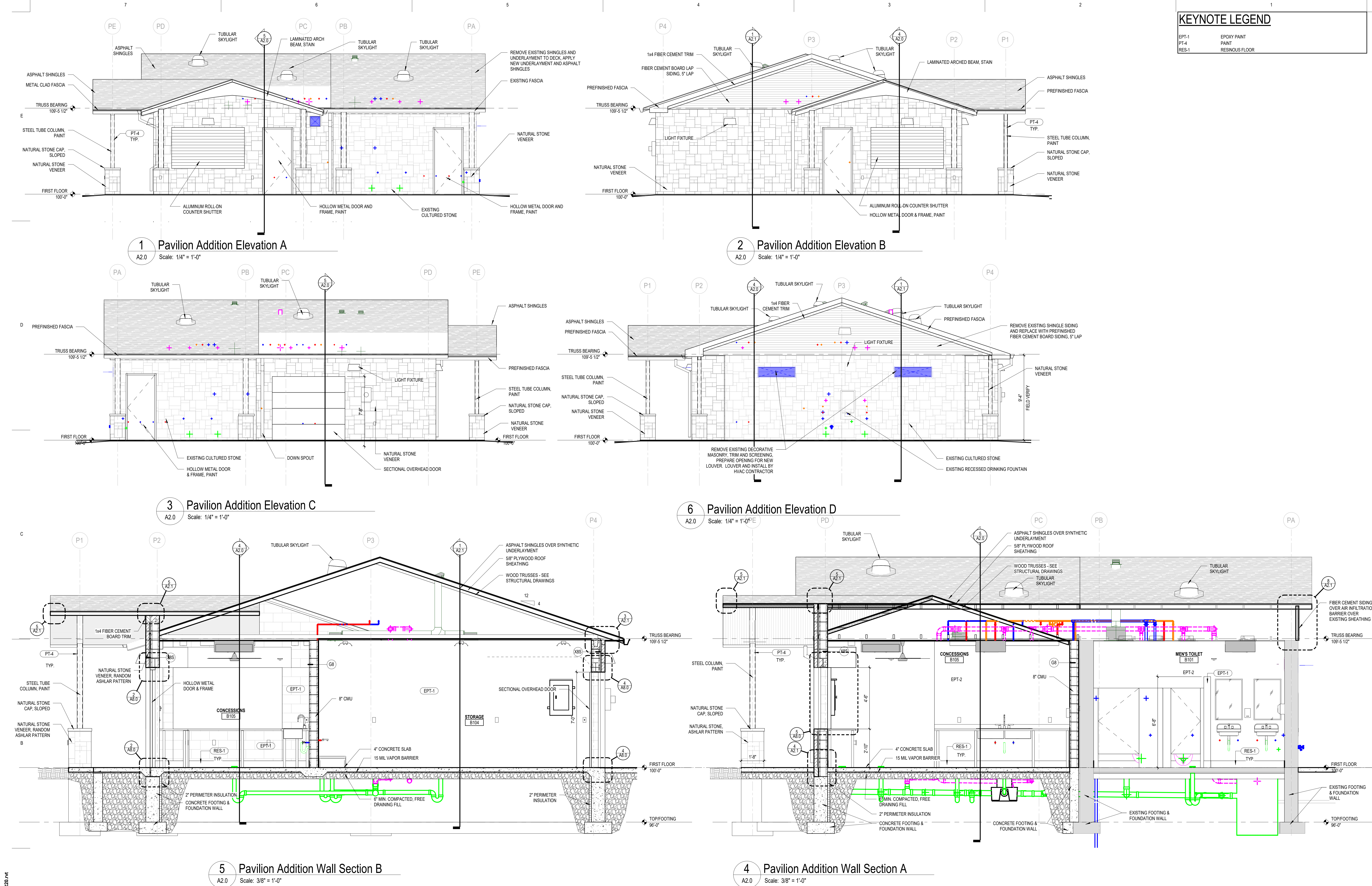
MDO PLW WOOD CEILING	EXISTING GYP. BOARD CEILING
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- ALL CEILINGS AND SOFFITS TO BE PAINTED PT-1 UNLESS NOTED OTHERWISE. WHERE A PAINT COLOR IS INDICATED, PAINT THE BOTTOM AND FACE OF THE SOFFIT THE COLOR INDICATED.
- COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL THE EXACT LOCATIONS OF CEILING FIXTURES, HV EQUIPMENT, ETC. CONSULT WITH ARCHITECT REGARDING ANY DISCREPANCIES.
- SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CEILING MOUNTED DEVICE SYMBOL LEGEND.

ROOF PLAN LEGEND & NOTES

ROOF TYPE 1 (RT-1):	• ASPHALT SHINGLES • SYNTHETIC UNDERLAYMENT • 5/8" PLYWOOD SHEATHING
ROOF TYPE 2 (RT-2):	• ASPHALT SHINGLES • SYNTHETIC UNDERLAYMENT • EXISTING PLYWOOD SHEATHING
ROOF TYPE 3 (RT-3):	• ASPHALT SHINGLES • SYNTHETIC UNDERLAYMENT • 5/8" PLYWOOD SHEATHING • 2X6 T&G WOOD DECKING • 4:12 SLOPE
ROOF TYPE 4 (RT-4):	• ASPHALT SHINGLES • SYNTHETIC UNDERLAYMENT • 5/8" PLYWOOD SHEATHING • 2X6 T&G WOOD DECKING • 3:12 SLOPE

- NOT ALL ROOF PENETRATIONS ARE SHOWN. ROOFING CONTRACTOR TO VERIFY PENETRATIONS WITH ALL BUILDING TRADES.
- SEE PLUMBING AND HVAC DRAWINGS FOR SIZES, QUANTITIES, LOCATIONS AND TYPES OF ROOF PENETRATIONS.



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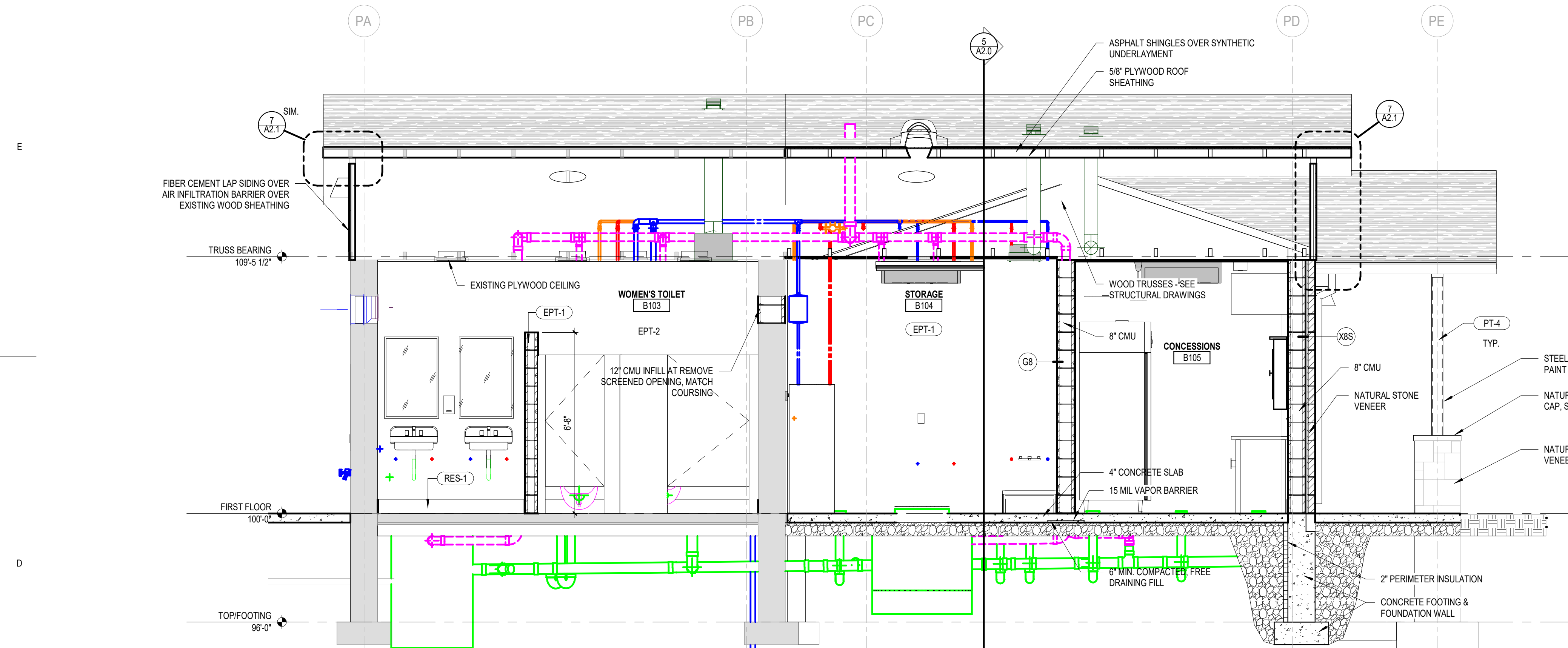
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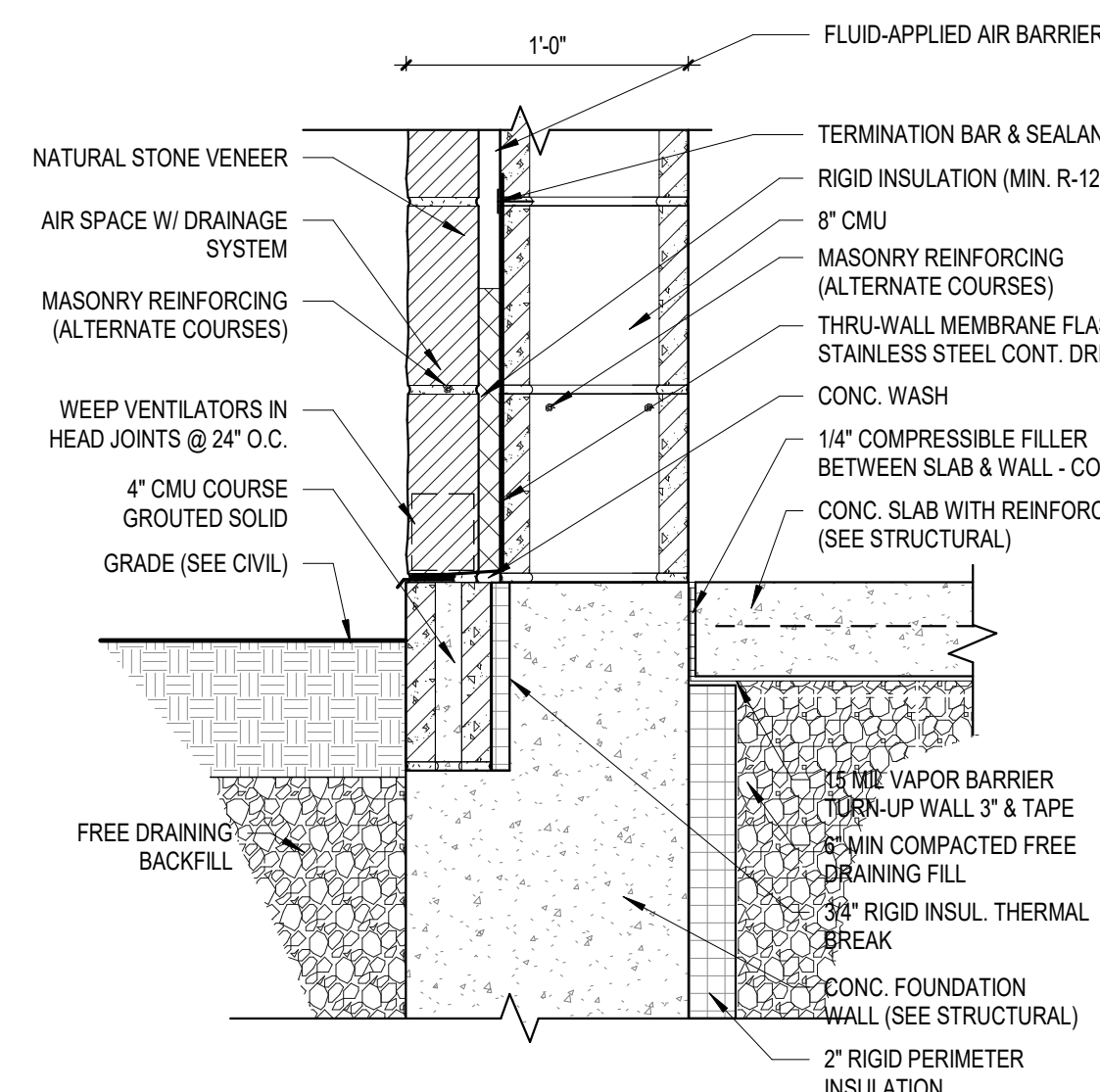
Pavilion Addition
Elevations and
Sections

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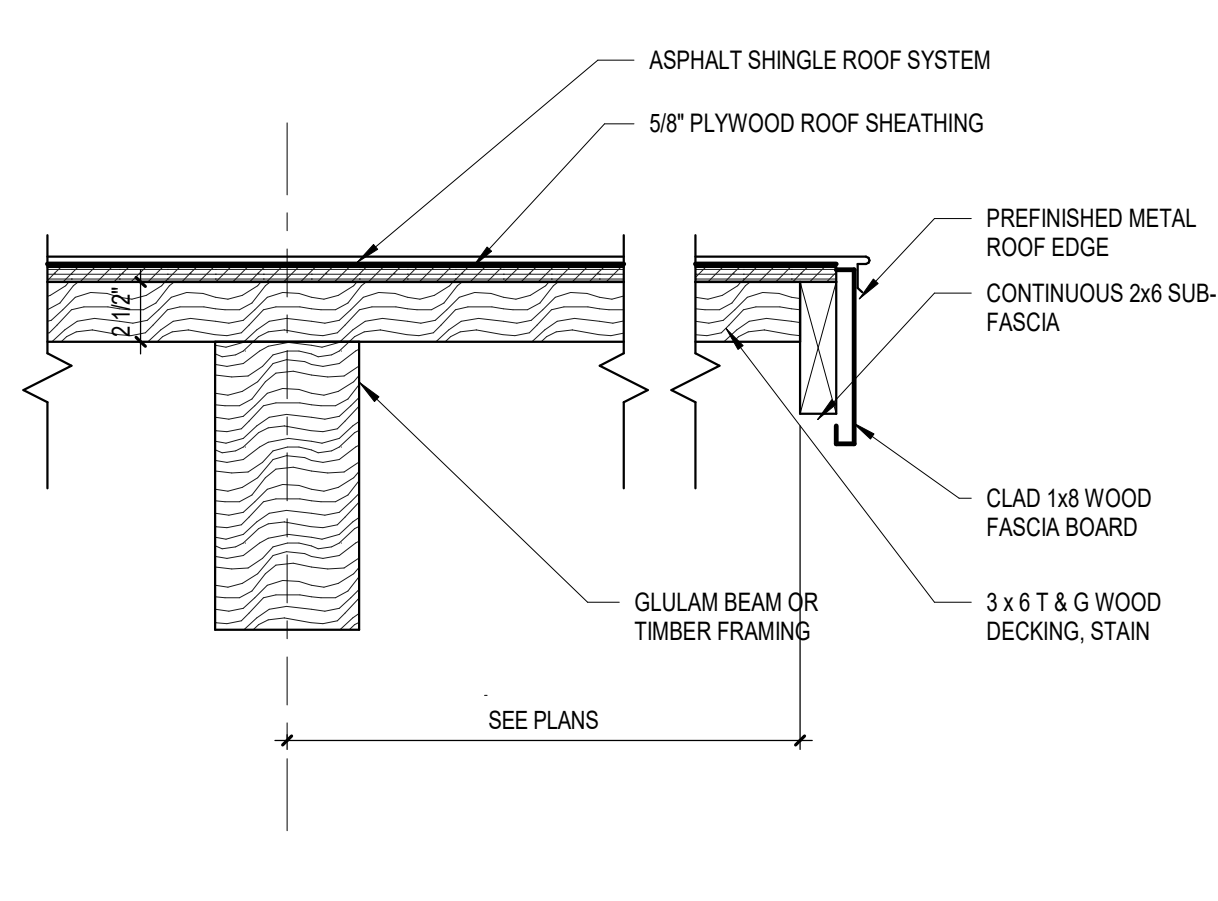
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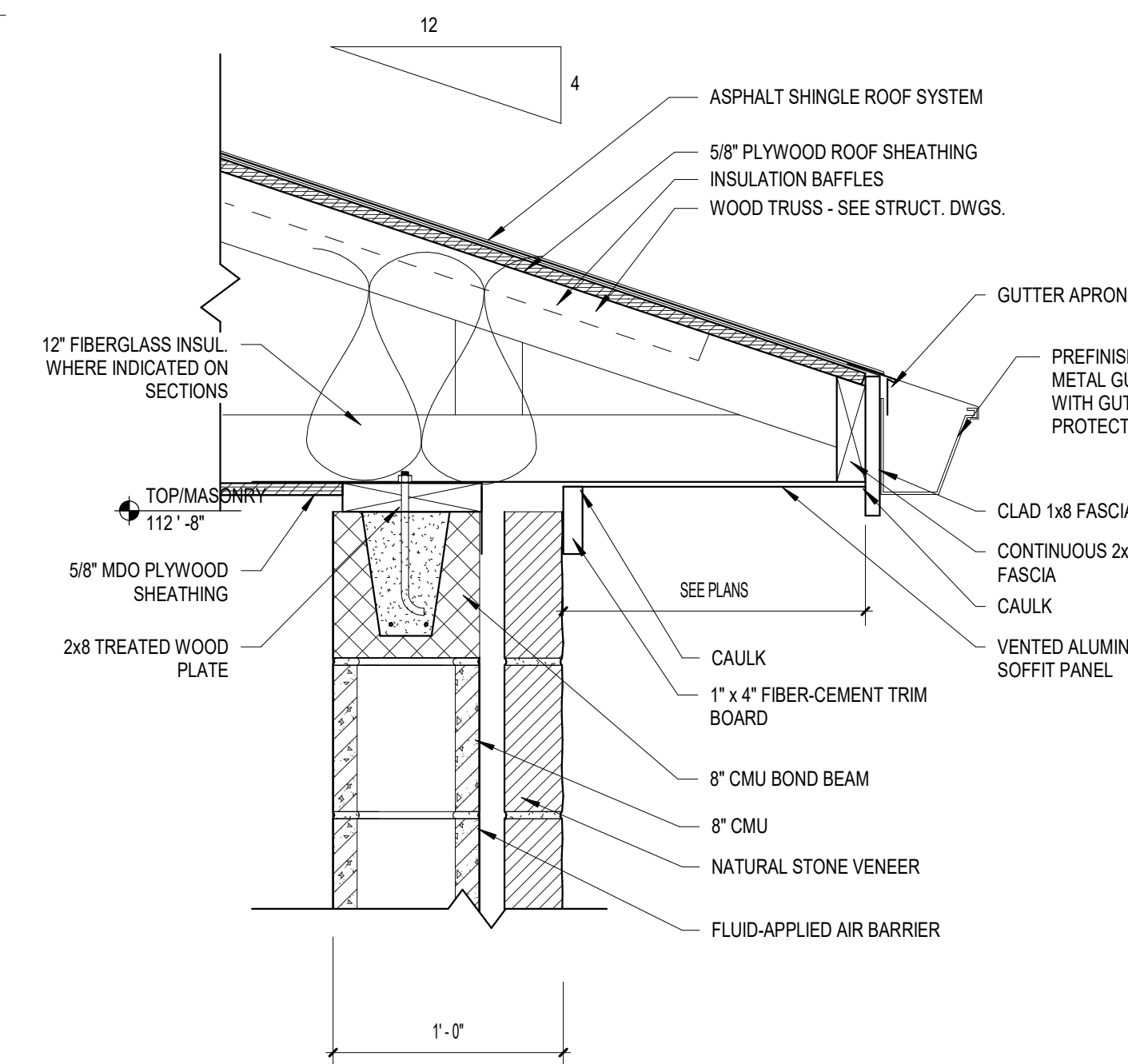
1 Pavilion Addition Wall Section C
A2.1 Scale: 3/8" = 1'-0"



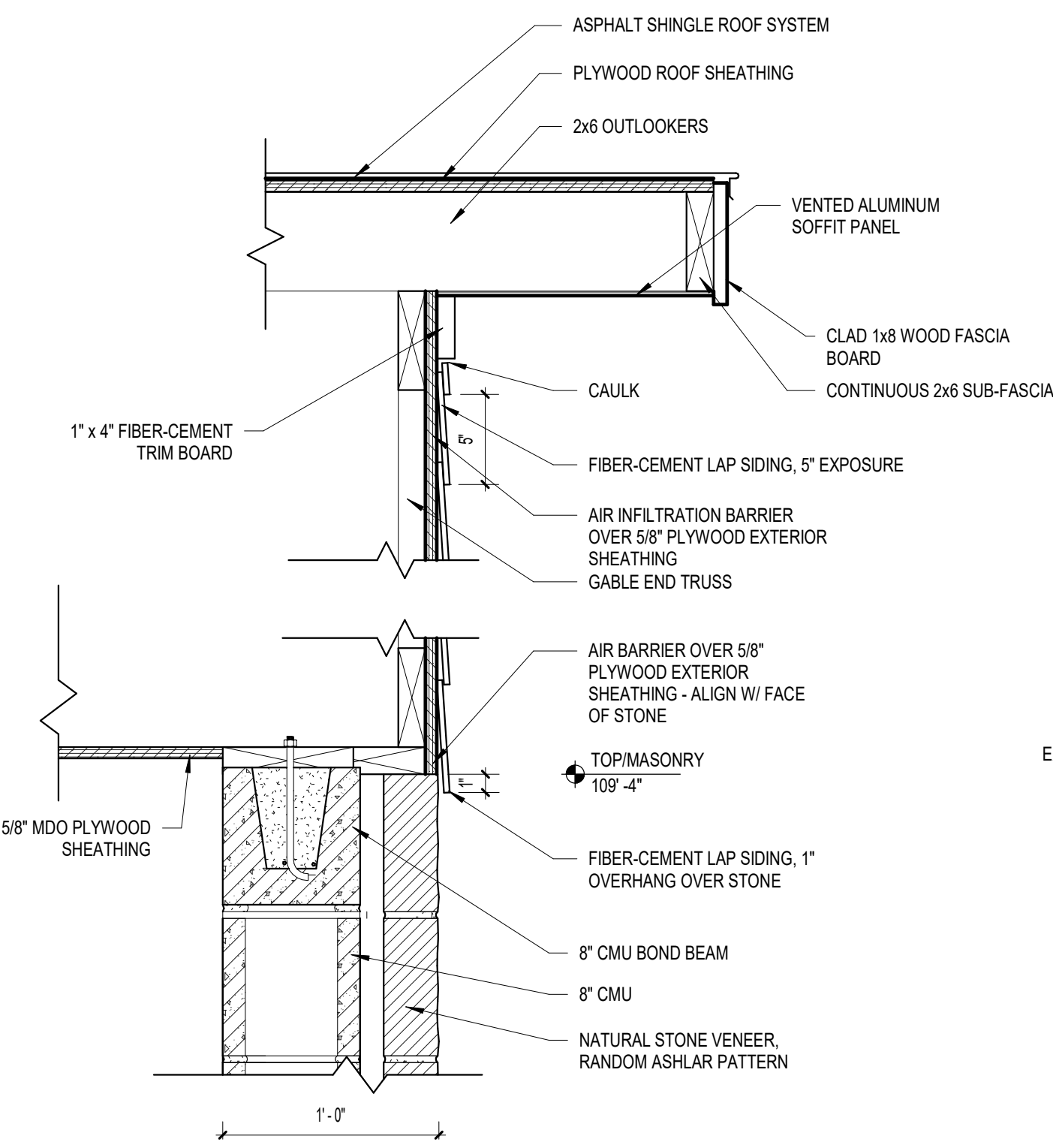
4 Floor to Exterior Wall
A2.1 Scale: 1 1/2" = 1'-0"



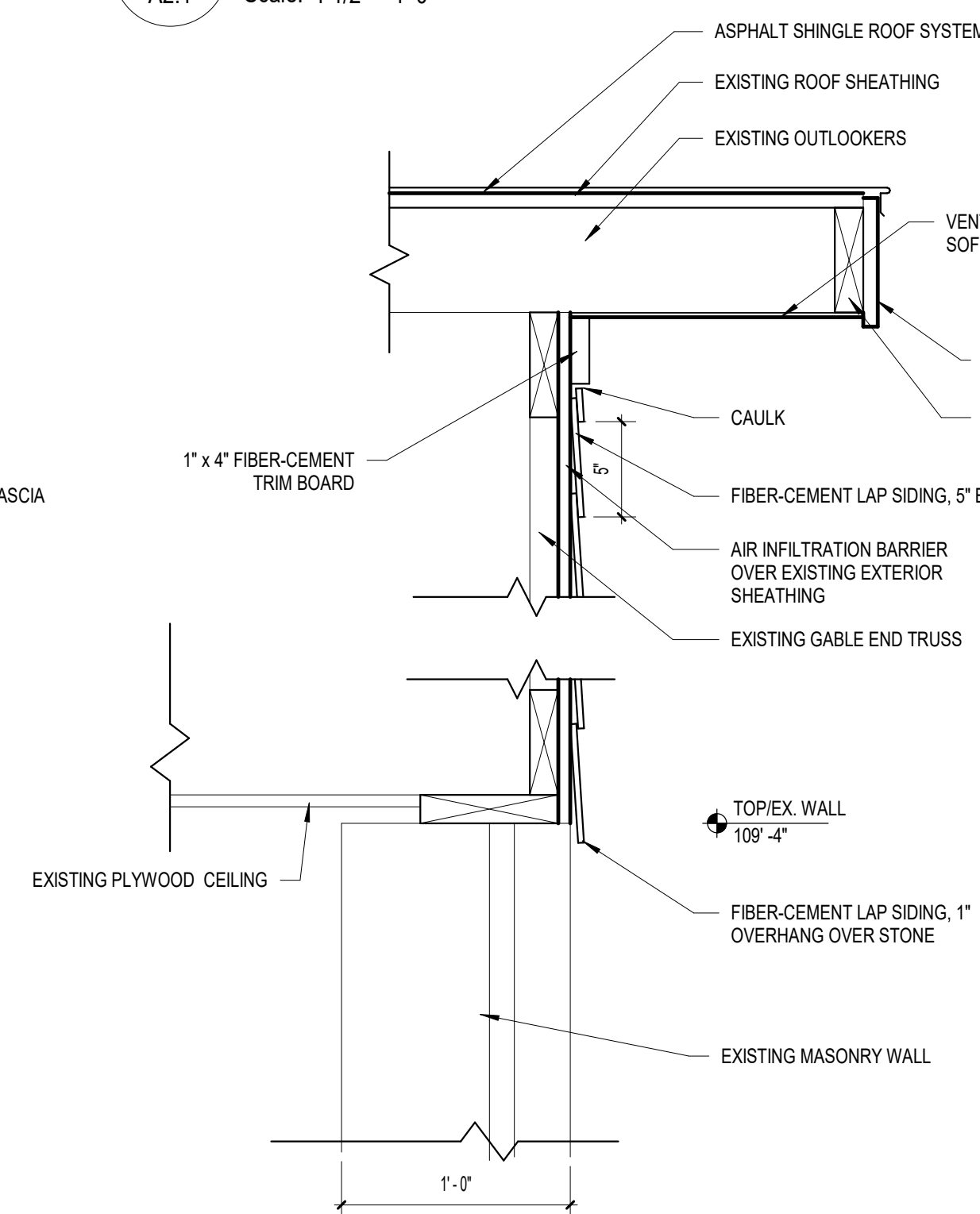
5 Gable End at Exposed Deck
A2.1 Scale: 1 1/2" = 1'-0"



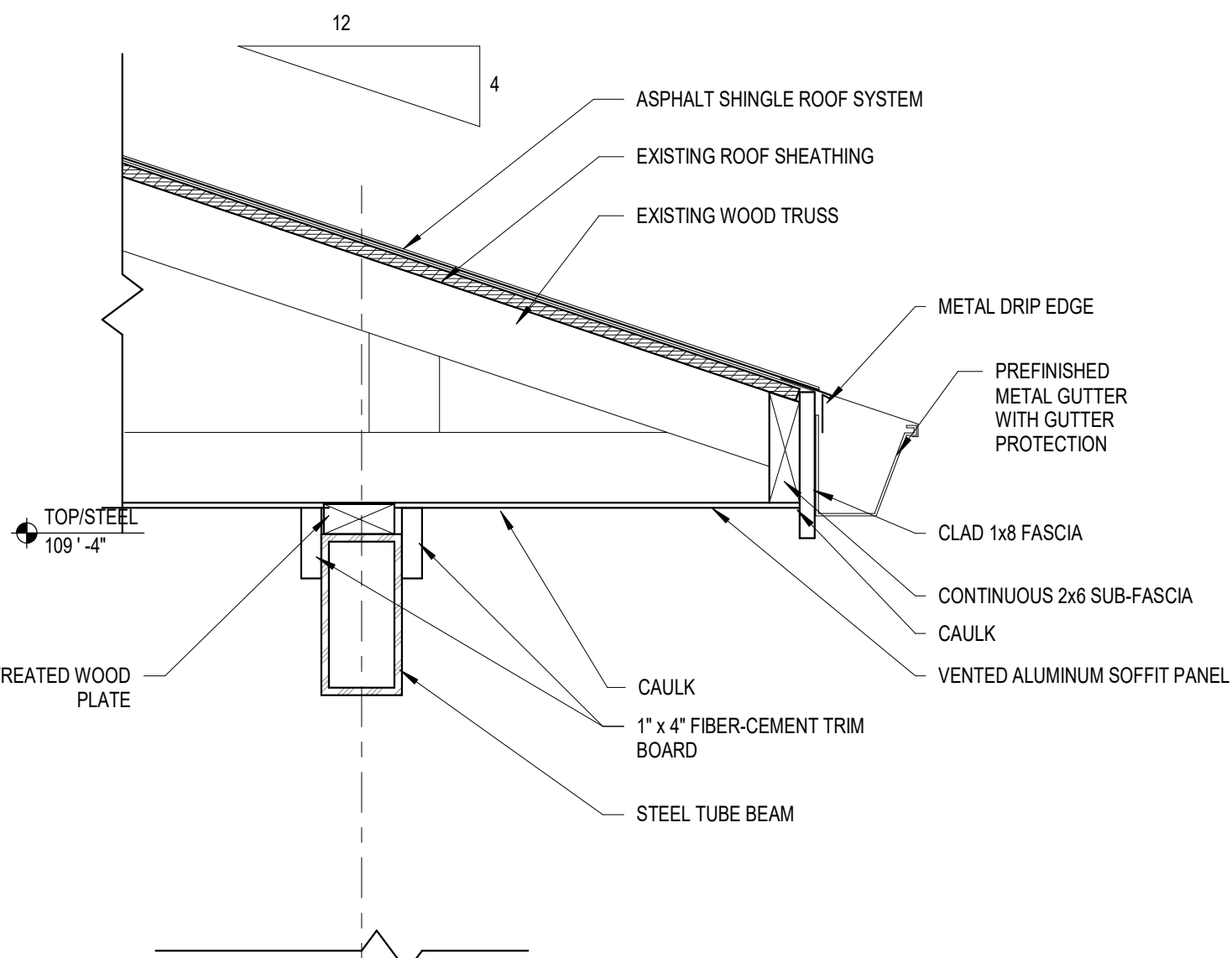
6 Soffit Overhang @ CMU/Stone
A2.1 Scale: 1 1/2" = 1'-0"



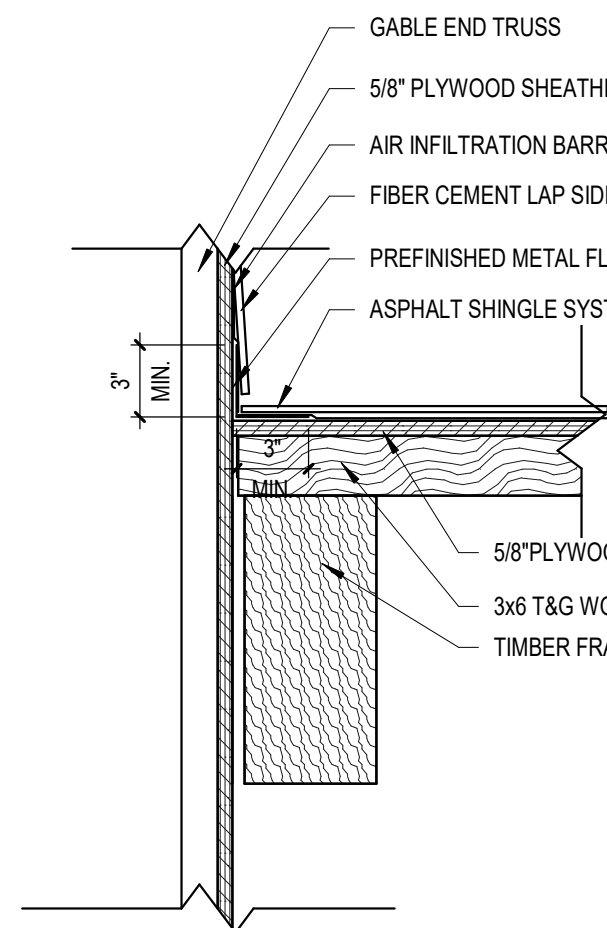
7 Gable End Overhang @ CMU/Stone
A2.1 Scale: 1 1/2" = 1'-0"



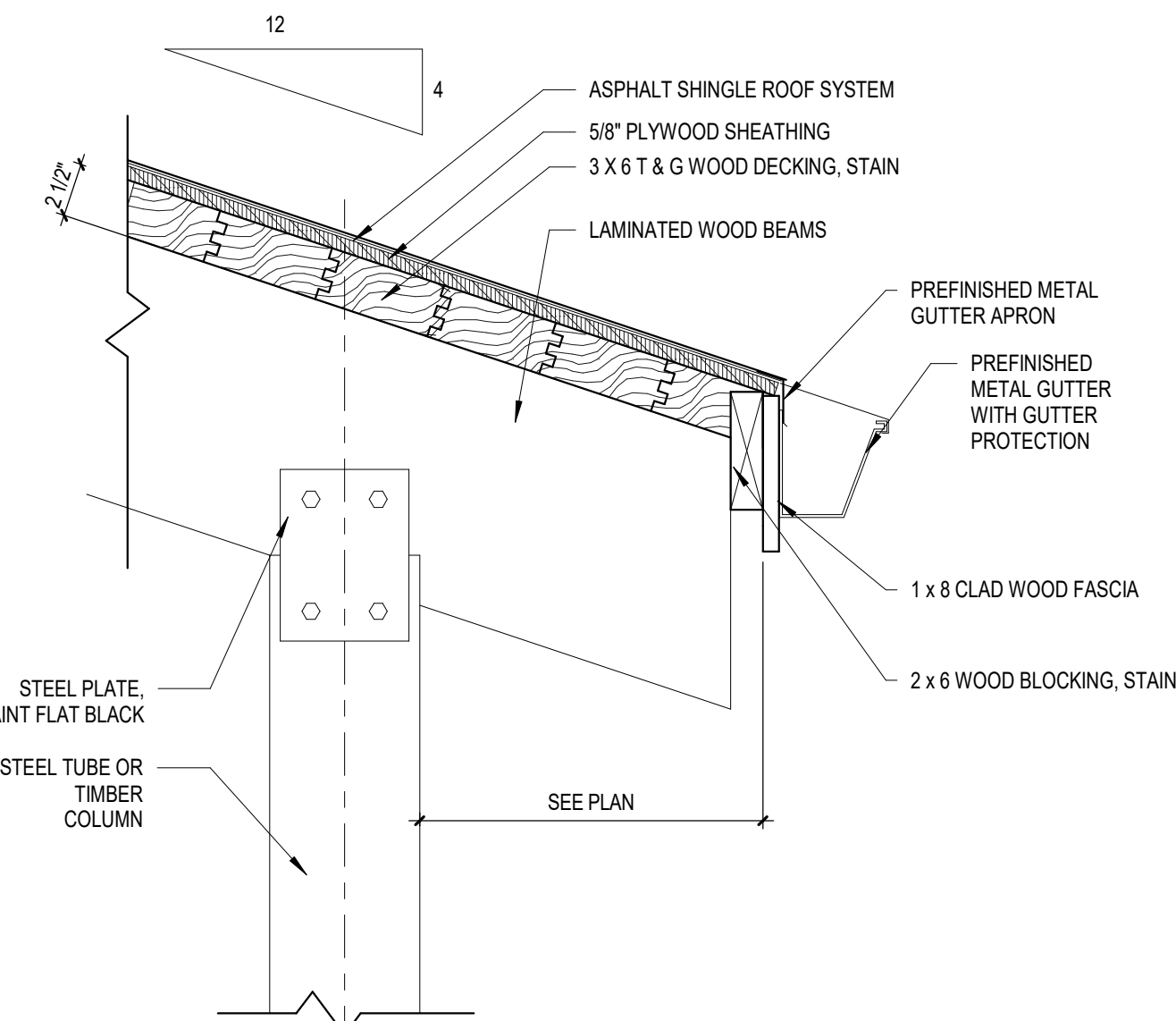
8 Gable End Overhang @ Existing Wall
A2.1 Scale: 1 1/2" = 1'-0"



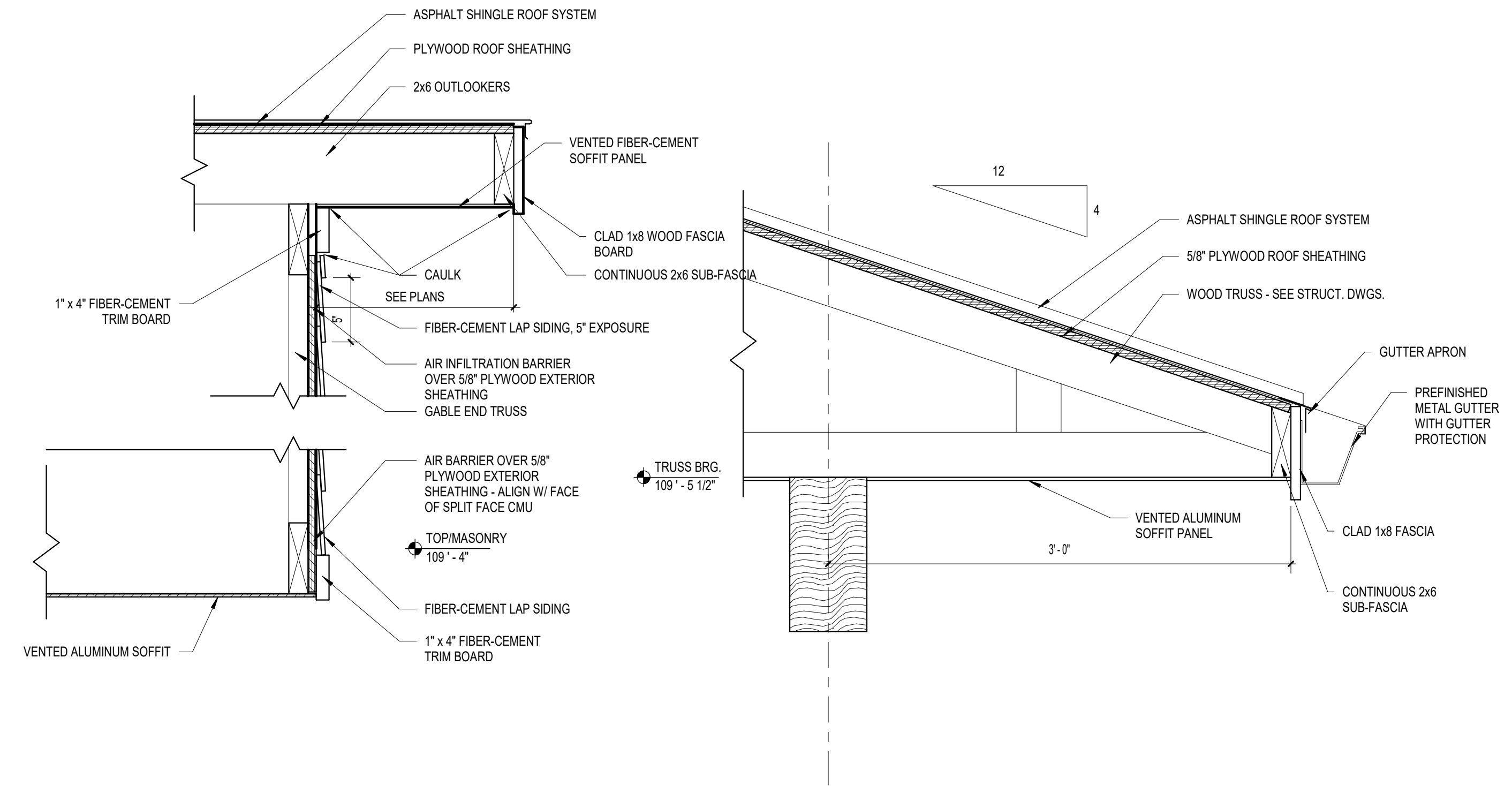
9 Soffit Overhang @ Existing Wall
A2.1 Scale: 1 1/2" = 1'-0"



10 Roof to Wall Details
A2.1 Scale: 1 1/2" = 1'-0"



11 Exposed Roof Decking Overhang Detail
A2.1 Scale: 1 1/2" = 1'-0"



2 Gable End Overhang
A2.1 Scale: 1 1/2" = 1'-0"

3 Soffit Overhang
A2.1 Scale: 1 1/2" = 1'-0"

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Project Title:

McFarland Park Facility Projects
Village of McFarland
McFarland, WI

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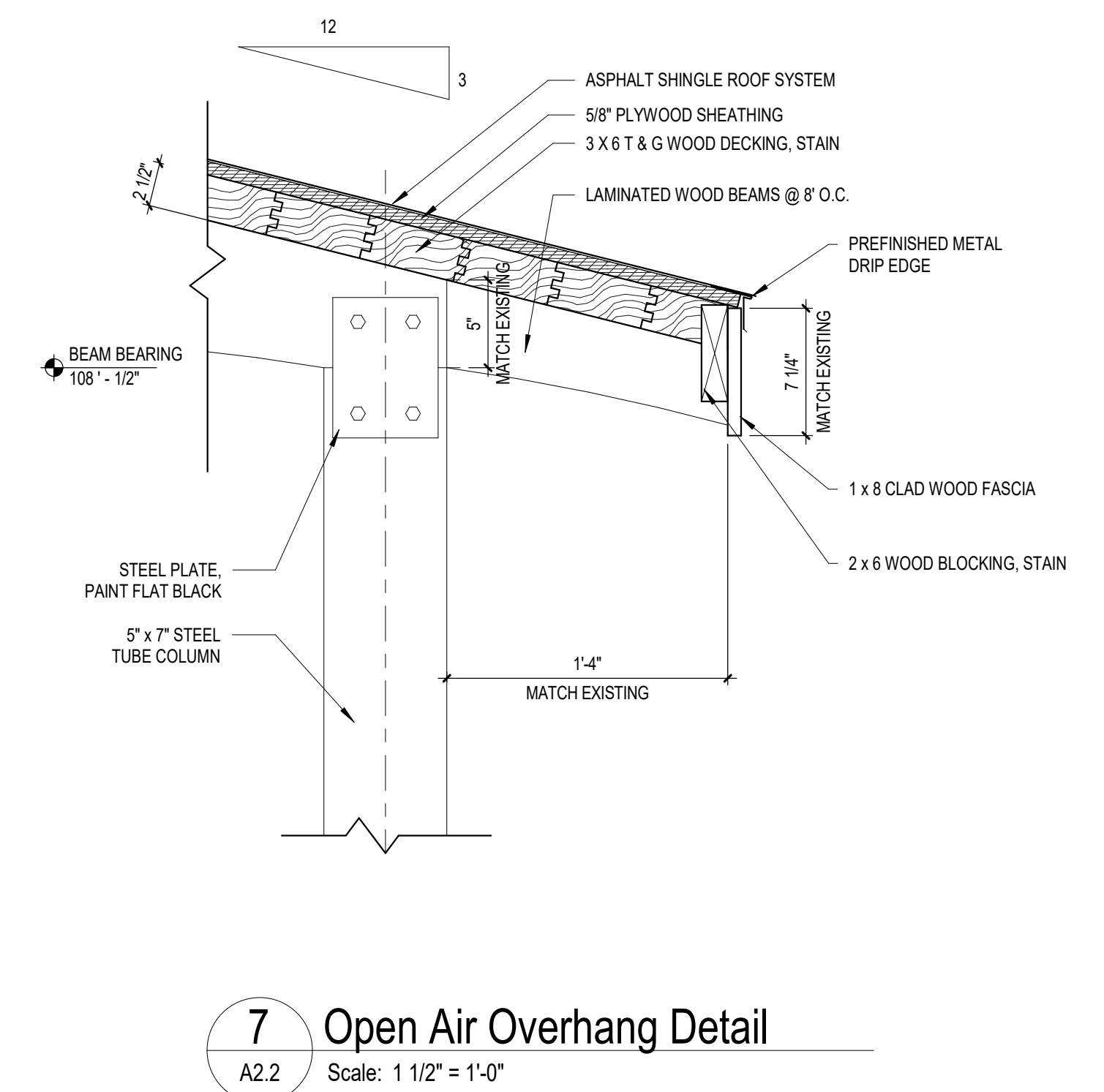
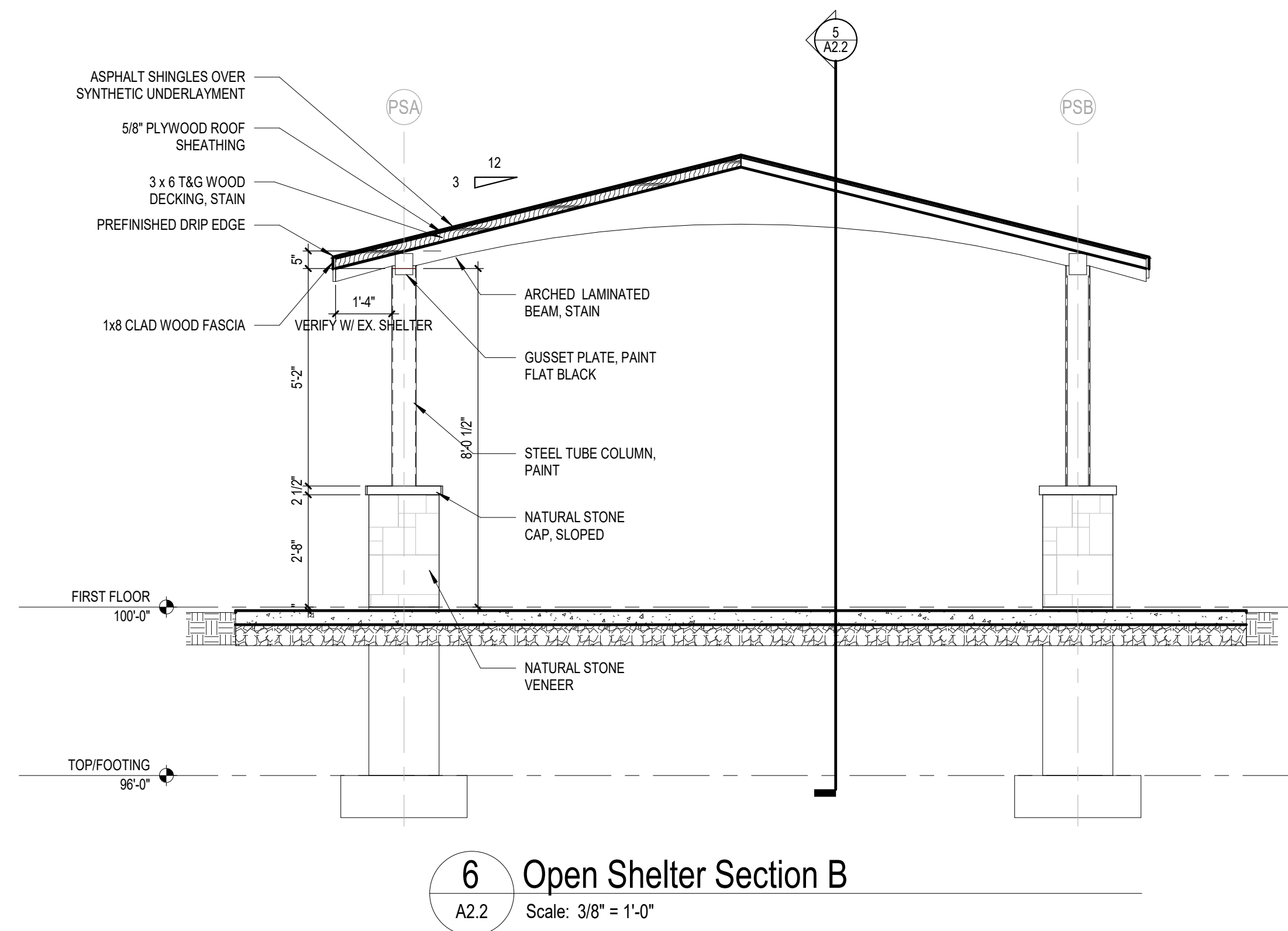
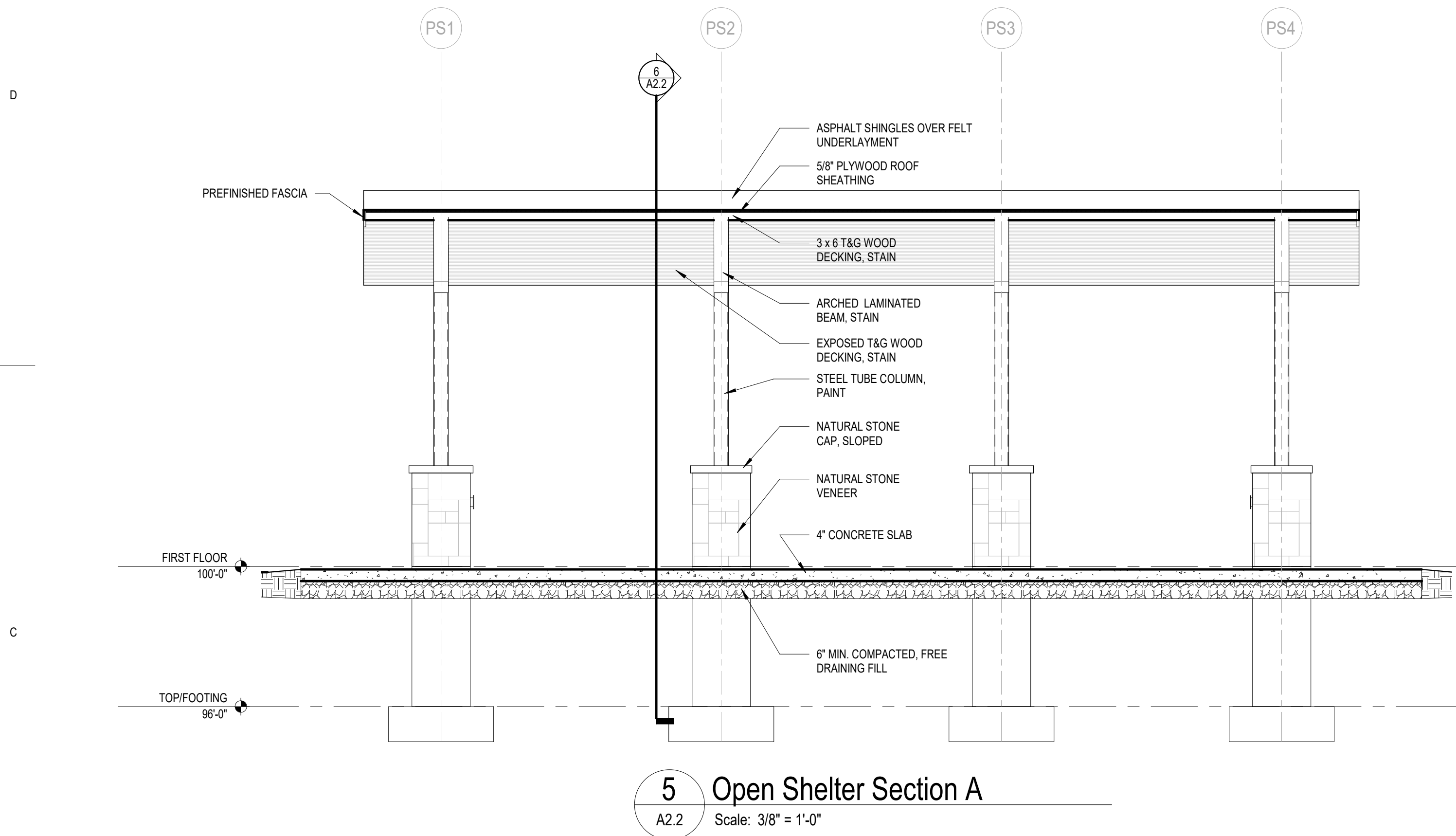
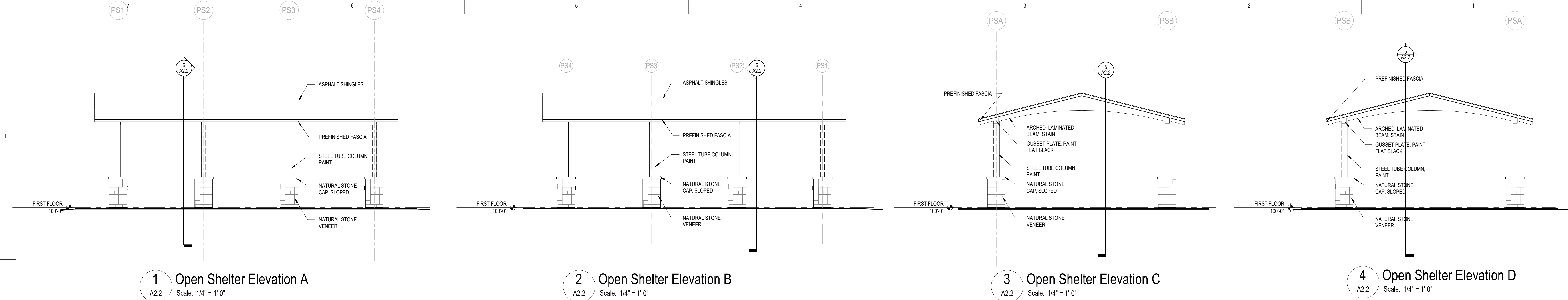
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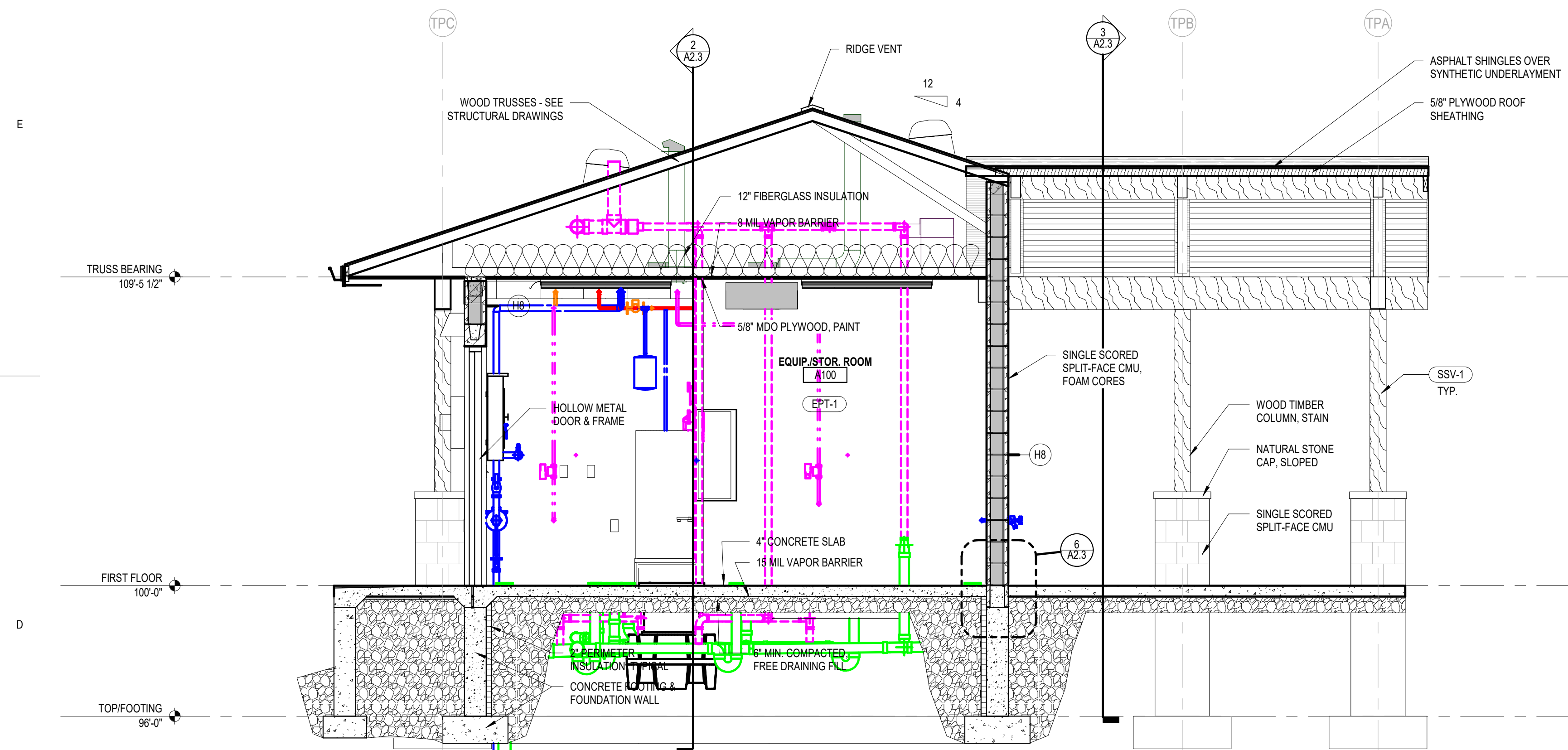
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Pavilion Wall
Sections & Details

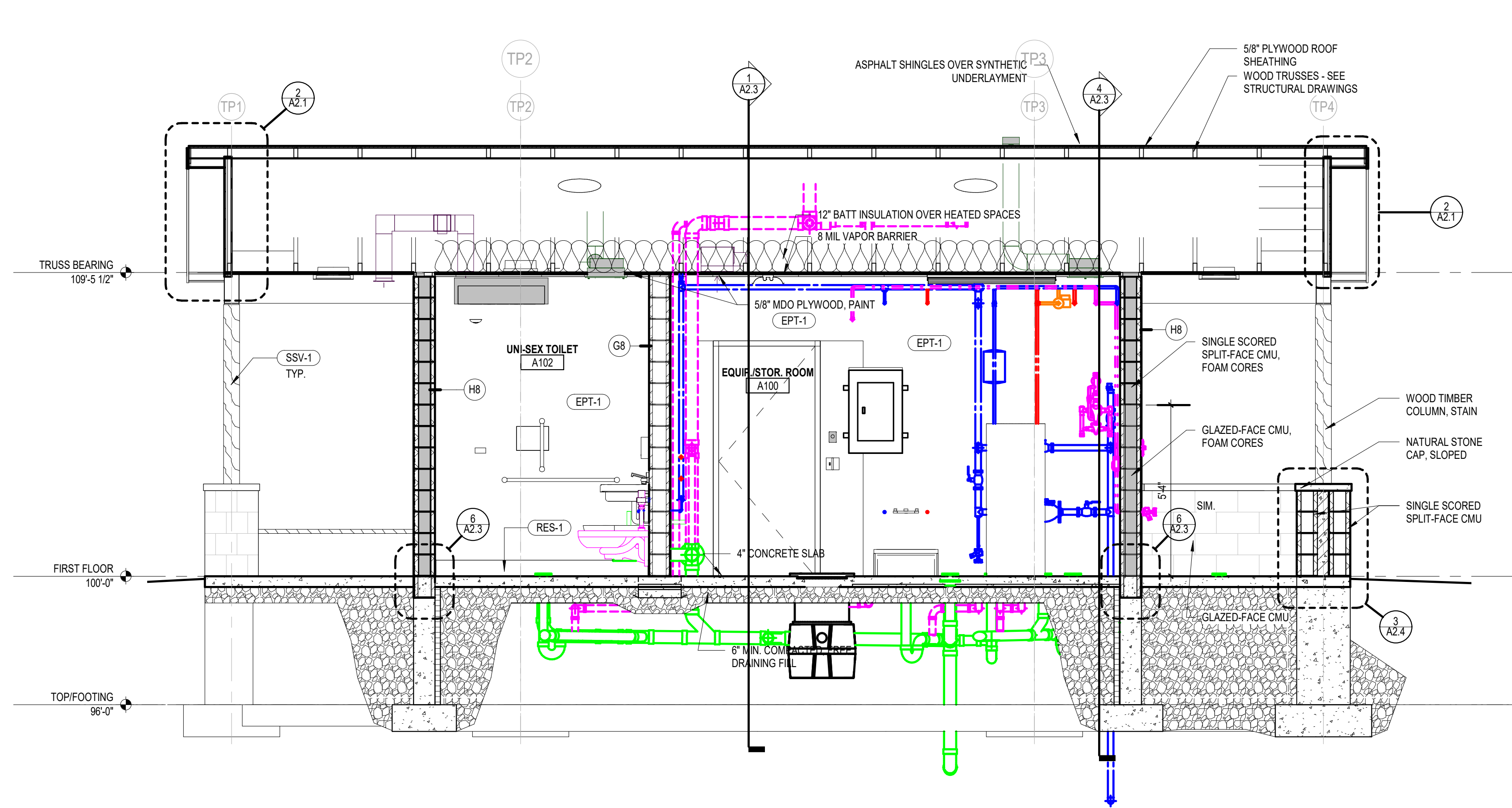
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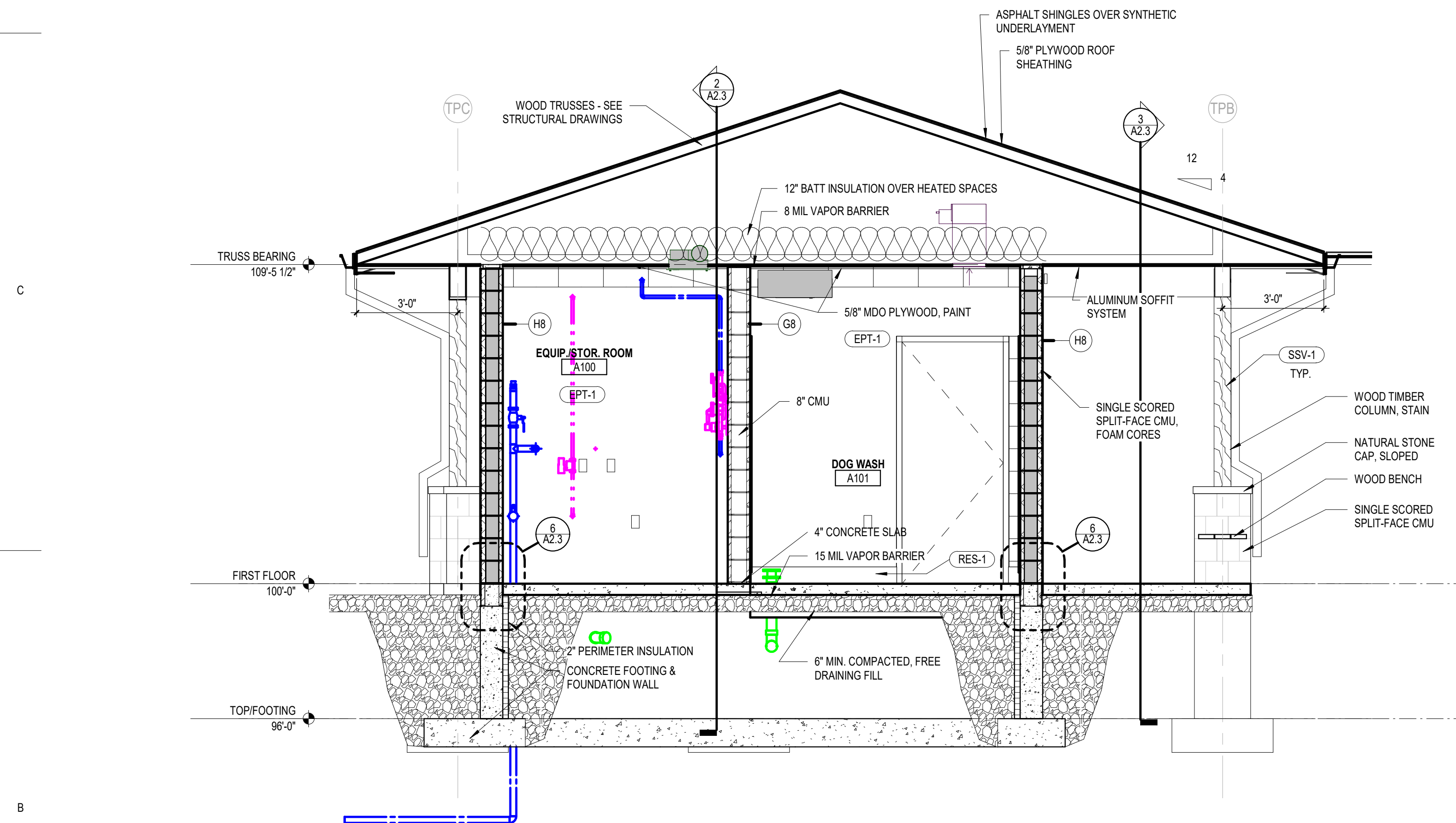




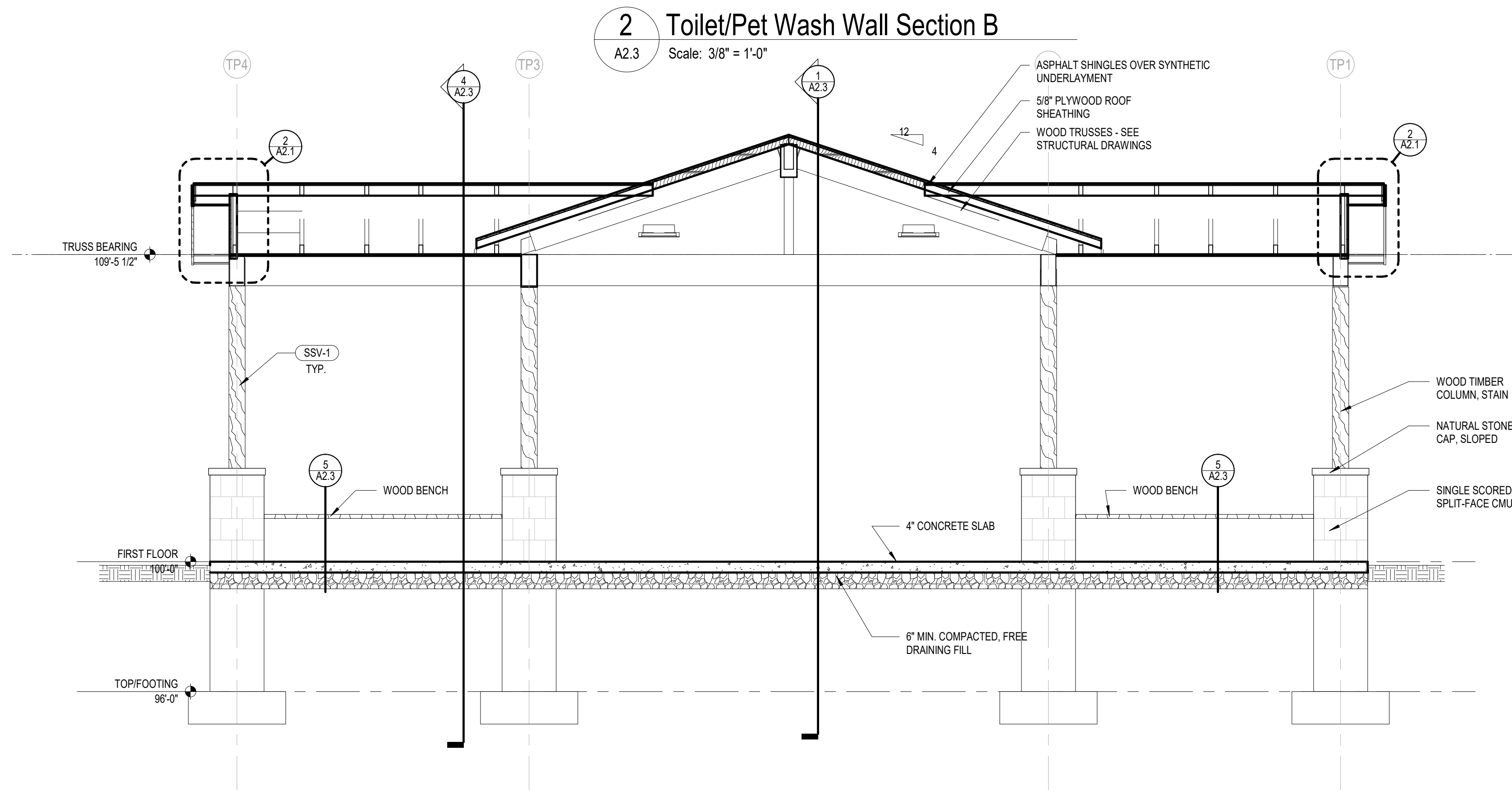
1 Toilet/Pet Wash Wall Section A
A2.3 Scale: 3/8\"/>



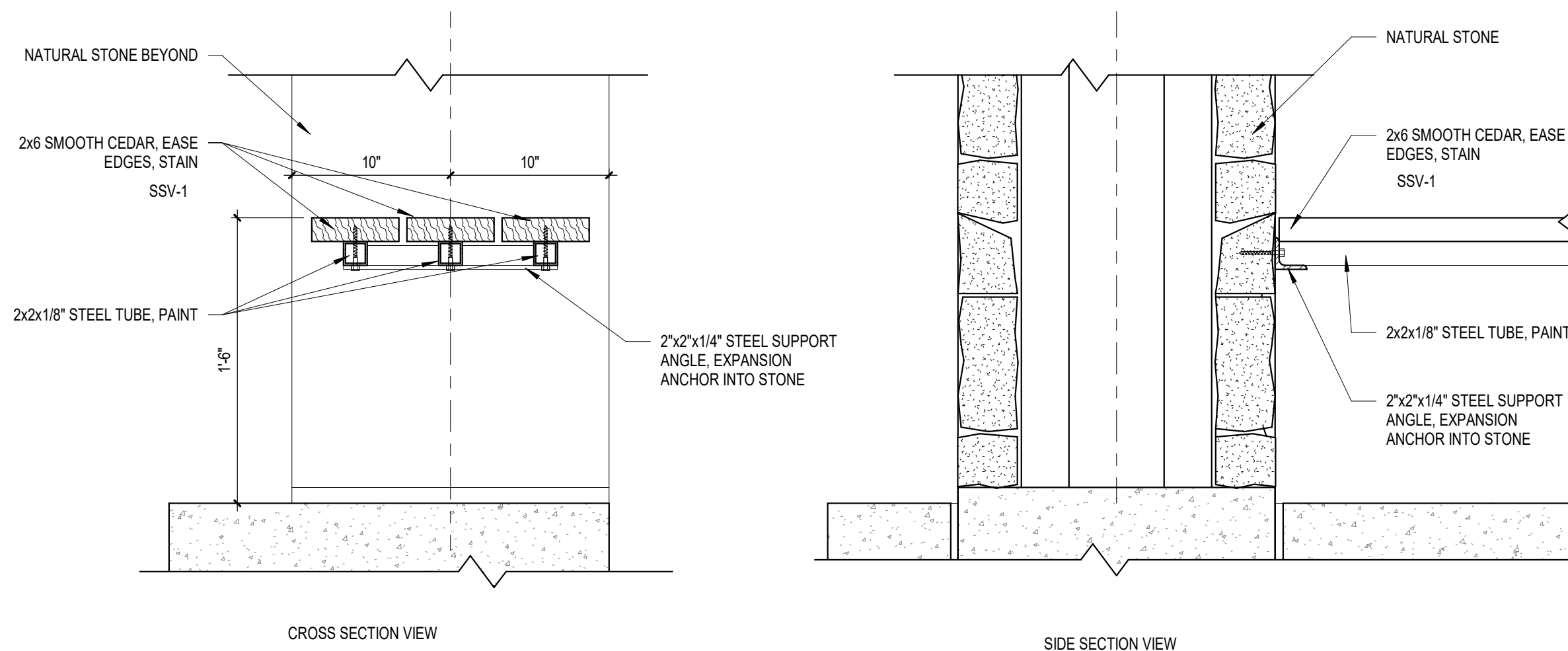
2 Toilet/Pet Wash Wall Section B
A2.3 Scale: 3/8\"/>



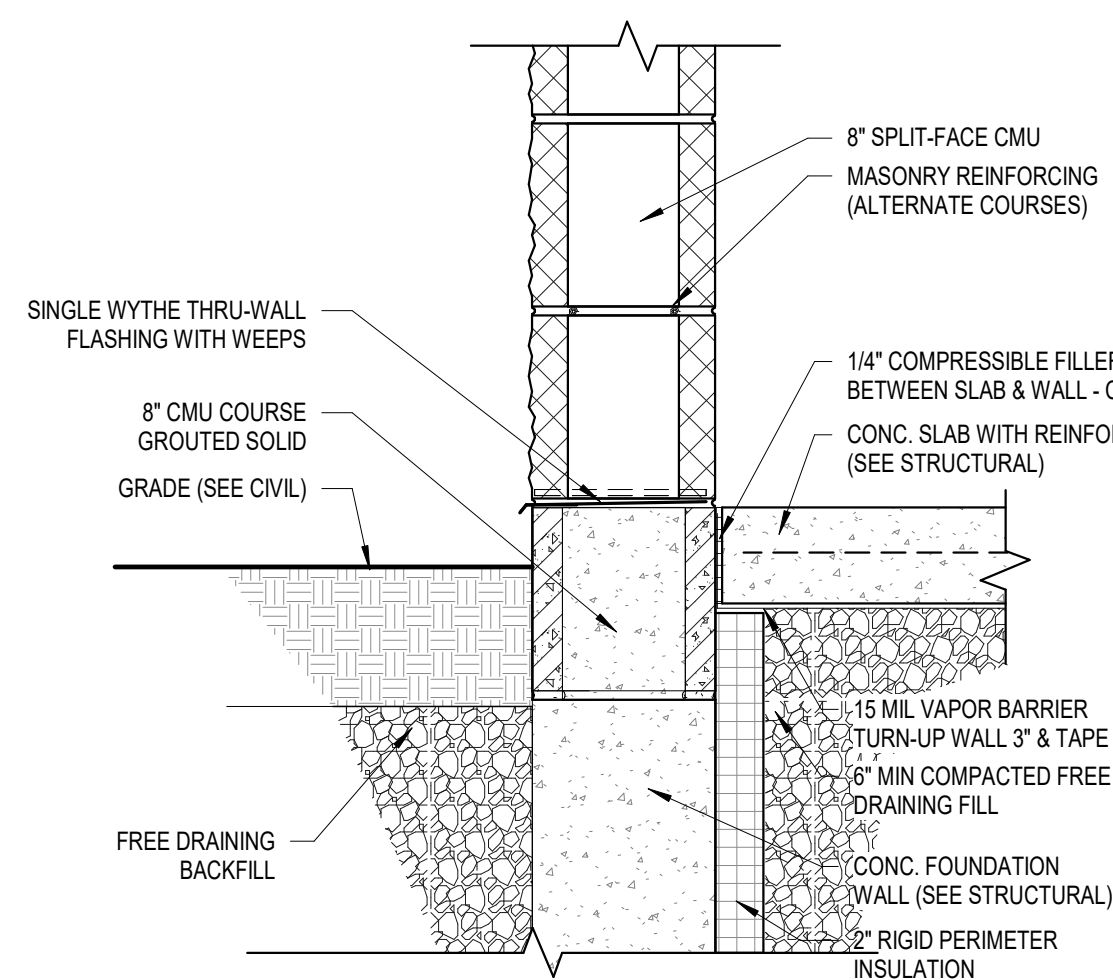
4 Toilet/Pet Wash Wall Section D
A2.3 Scale: 3/8\"/>



3 Toilet/Pet Wash Wall Section C
A2.3 Scale: 3/8\"/>



5 Bench Detail
A2.3 Scale: 1 1/2\"/>



6 Floor to Single Wythe Exterior Wall
A2.3 Scale: 1 1/2\"/>

KEYNOTE LEGEND

EPT-1 EPOXY PAINT
RES-1 RESINOUS FLOOR
SSV-1 WOOD STAIN - SEE INTERIOR FINISH LEGEND

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Village of McFarland
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Sheet Title:

Toilet/Dog Wash Shelter Sections & Details

Sheet Number:

A2.3

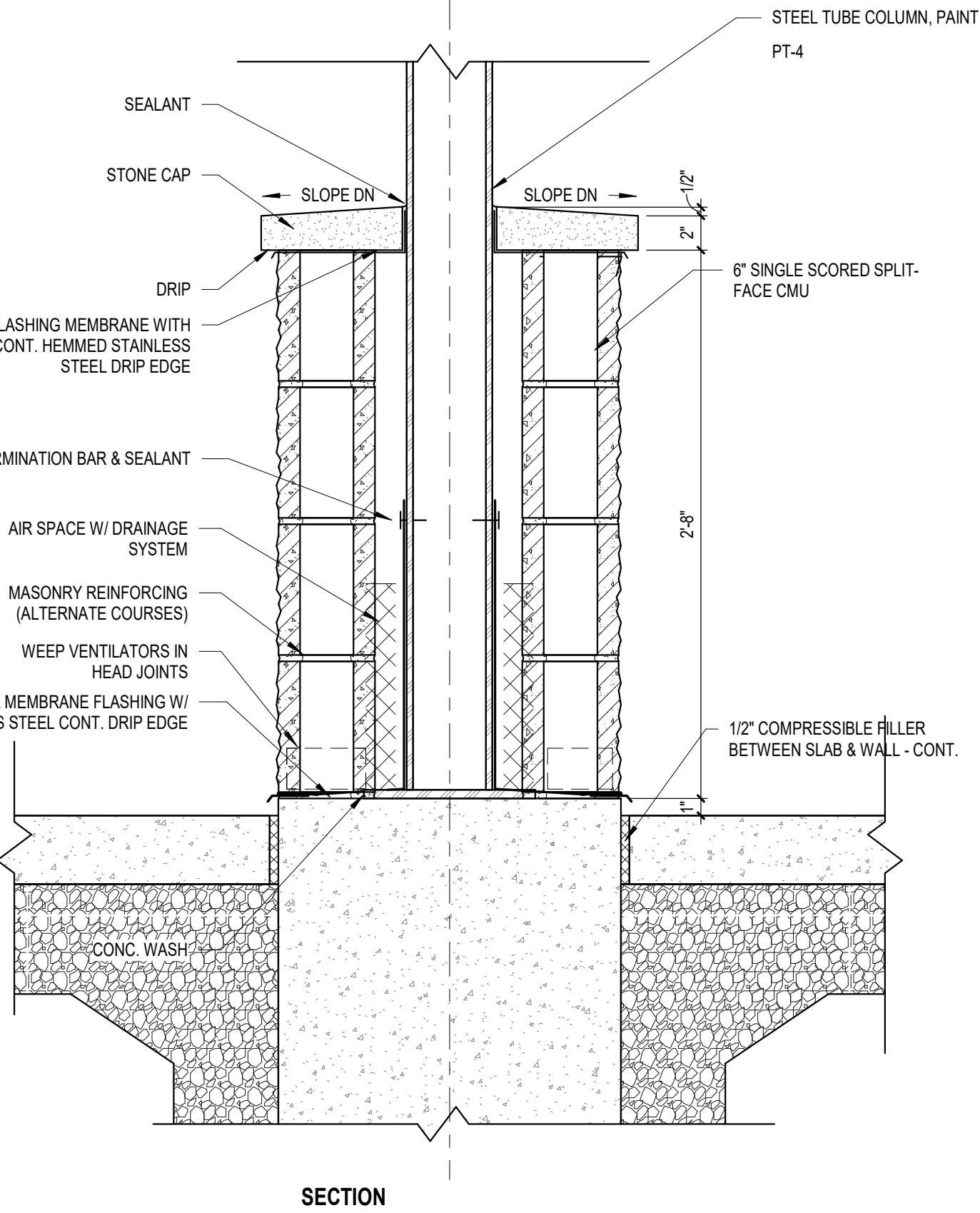
A

B

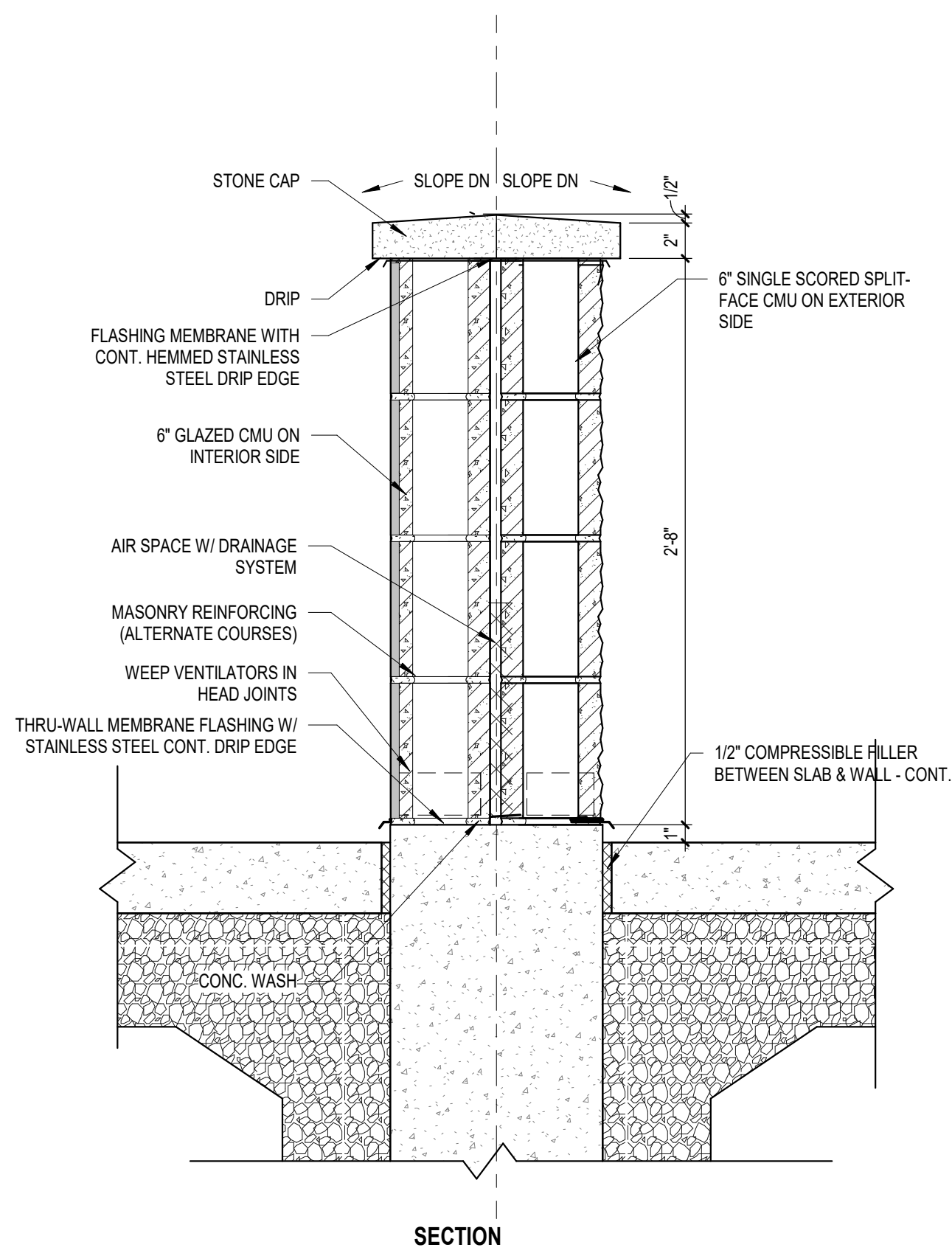
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D

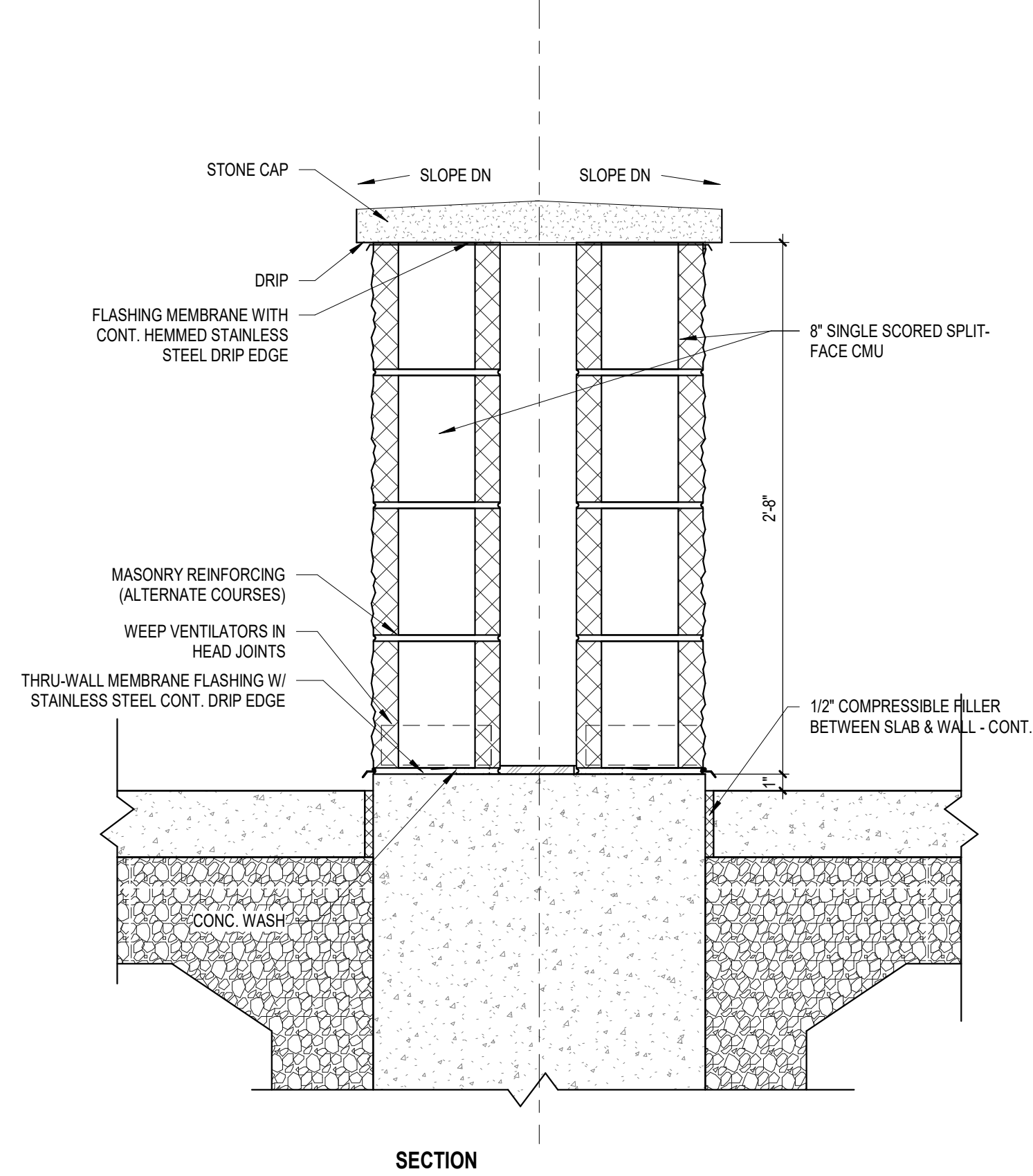
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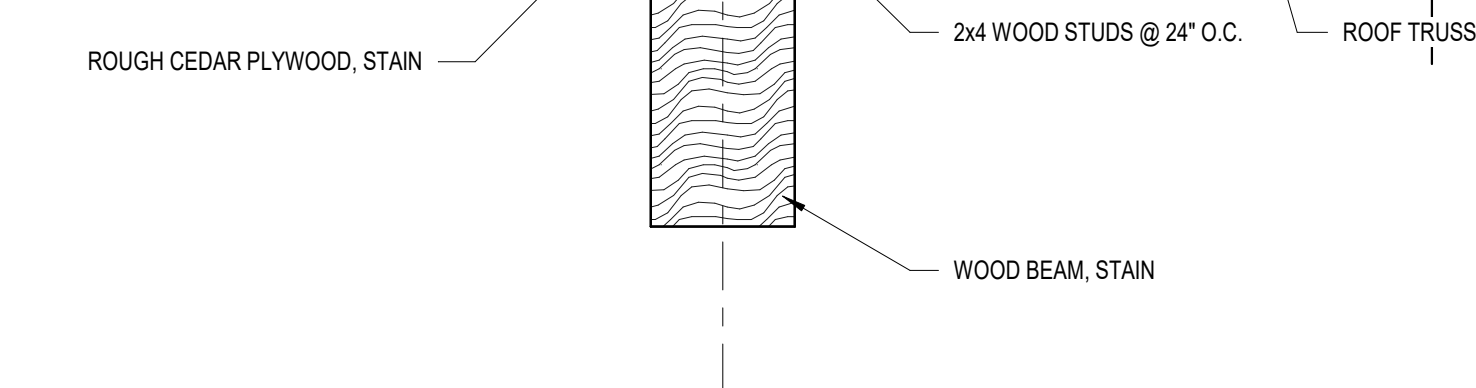
1 Rockface CMU/Column Pier Detail
A2.4 Scale: 1 1/2" = 1'-0"



2 CMU Knee Wall Detail
A2.4 Scale: 1 1/2" = 1'-0"



3 Rockface CMU Pier Detail
A2.4 Scale: 1 1/2" = 1'-0"



4 Sloped Roof to Soffit
A2.4 Scale: 1 1/2" = 1'-0"

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McFarland Park Facility Projects
Village of McFarland
McFarland, WI

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Sheet Title:

Details

Sheet Number:

A2.4

Office Locations:

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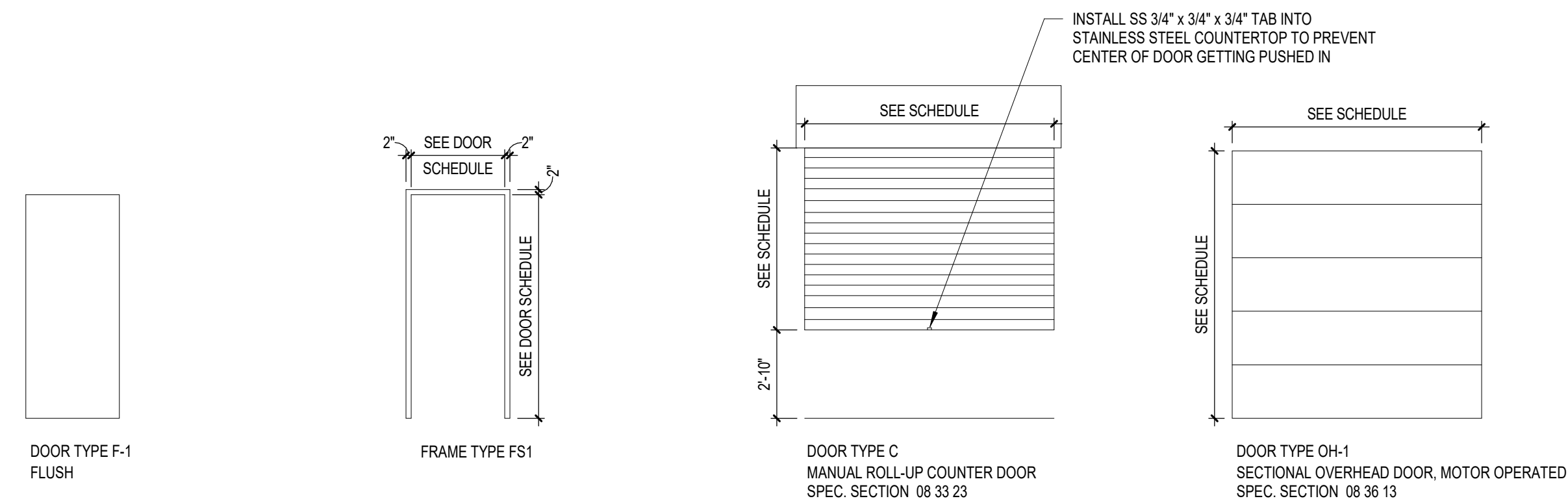
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Milwaukee, Wisconsin 53204
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Sheboygan
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Sheboygan, Wisconsin 53082
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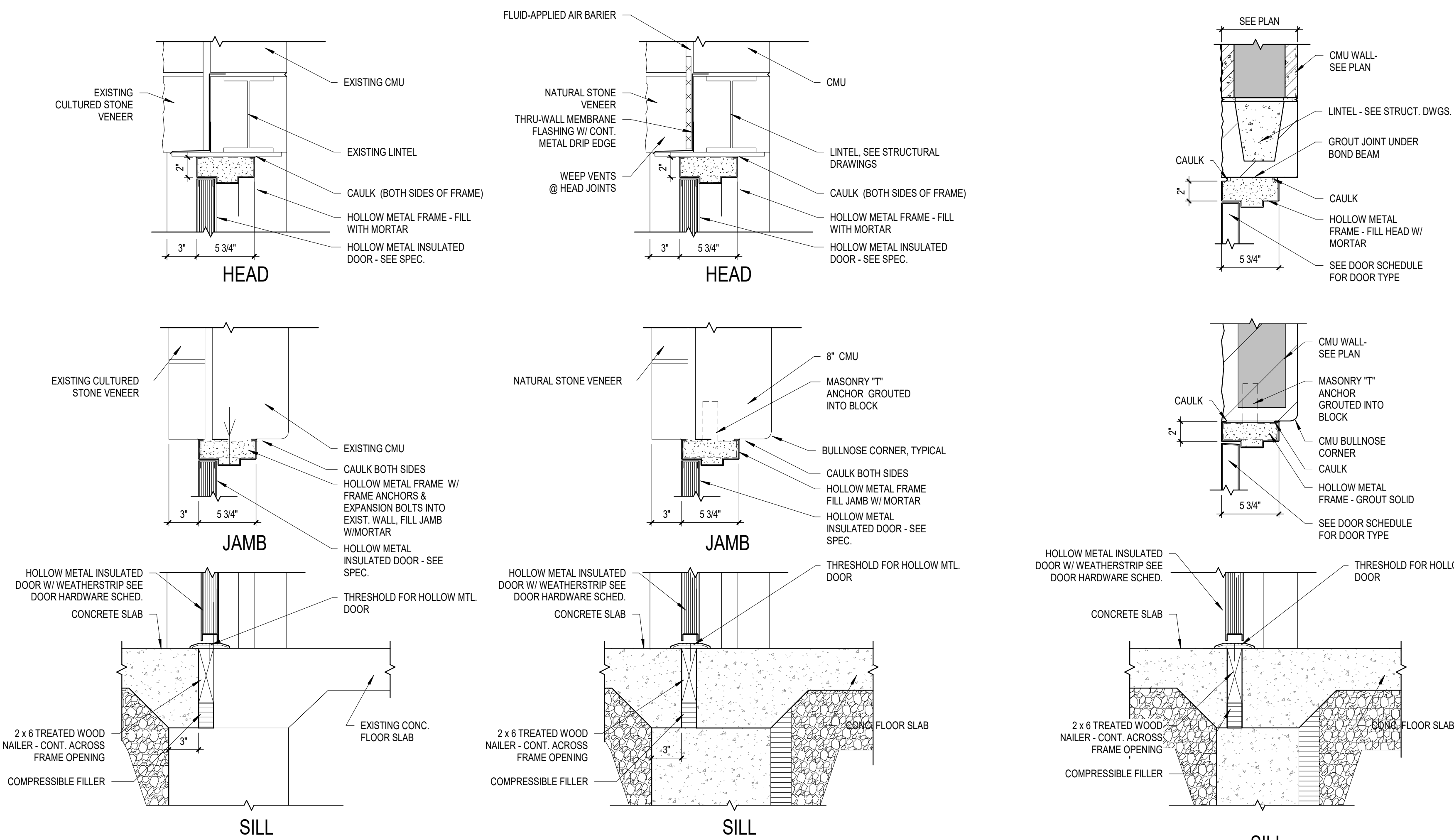
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Door and Frame Types

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



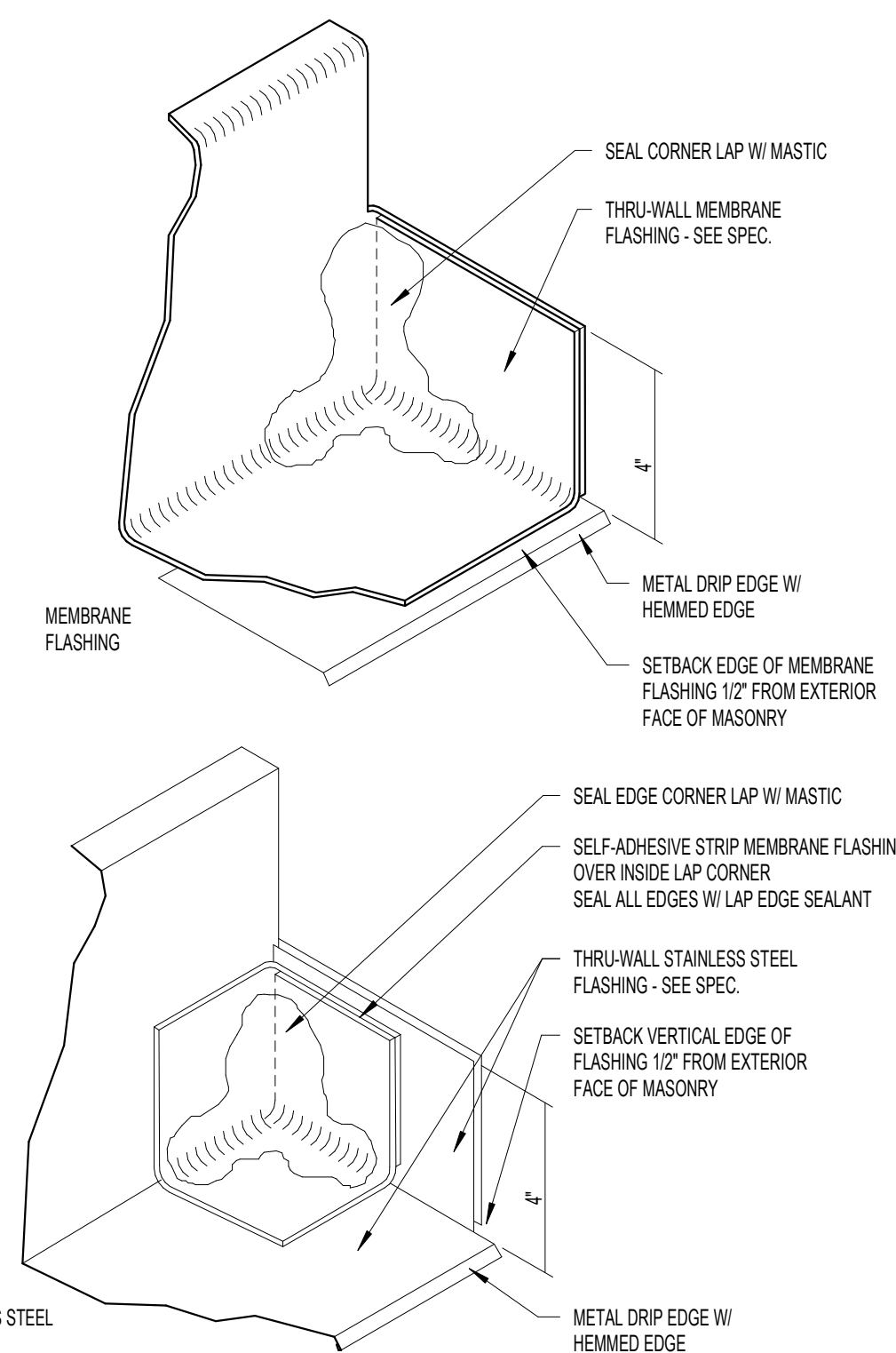
MARK	DOOR				FRAME		DETAILS			RATING	HARDWARE GROUP	COMMENTS
	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	FINISH	HEAD	JAMB	SILL			
A100A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	3/A8.0	3/A8.0	3/A8.0	---	1	ELECTRIC STRIKE, CARD READER (BY OTHERS)
A101A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	3/A8.0	3/A8.0	3/A8.0	---	2	ELECTRIC STRIKE, CARD READER (BY OTHERS)
A102A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	3/A8.0	3/A8.0	3/A8.0	---	2	ELECTRIC STRIKE
A103A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	3/A8.0	3/A8.0	3/A8.0	---	2	ELECTRIC STRIKE
B101A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	1/A8.0	1/A8.0	1/A8.0	---	2	ELECTRIC STRIKE
B103A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	1/A8.0	1/A8.0	1/A8.0	---	2	ELECTRIC STRIKE
B104A	8'-0"	7'-0"	OH-1	STEEL/PREFIN.	---	---	4/A8.0	4/A8.0	4/A8.0	---	---	MOTOR OPERATED
B105A	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	2/A8.0	2/A8.0	2/A8.0	---	1	ELECTRIC STRIKE, CARD READER (BY OTHERS)
B105B	8'-0"	4'-6"	C	ALUM	---	---	5/A8.0	6/A8.0	5/A8.0	---	---	MANUAL LIFT
B105C	8'-0"	4'-6"	C	ALUM	---	---	5/A8.0	6/A8.0	5/A8.0	---	---	MANUAL LIFT
B105D	3'-0"	7'-2"	F-1	HM/PT	FS-1	PT	2/A8.0	2/A8.0	2/A8.0	---	1	ELECTRIC STRIKE



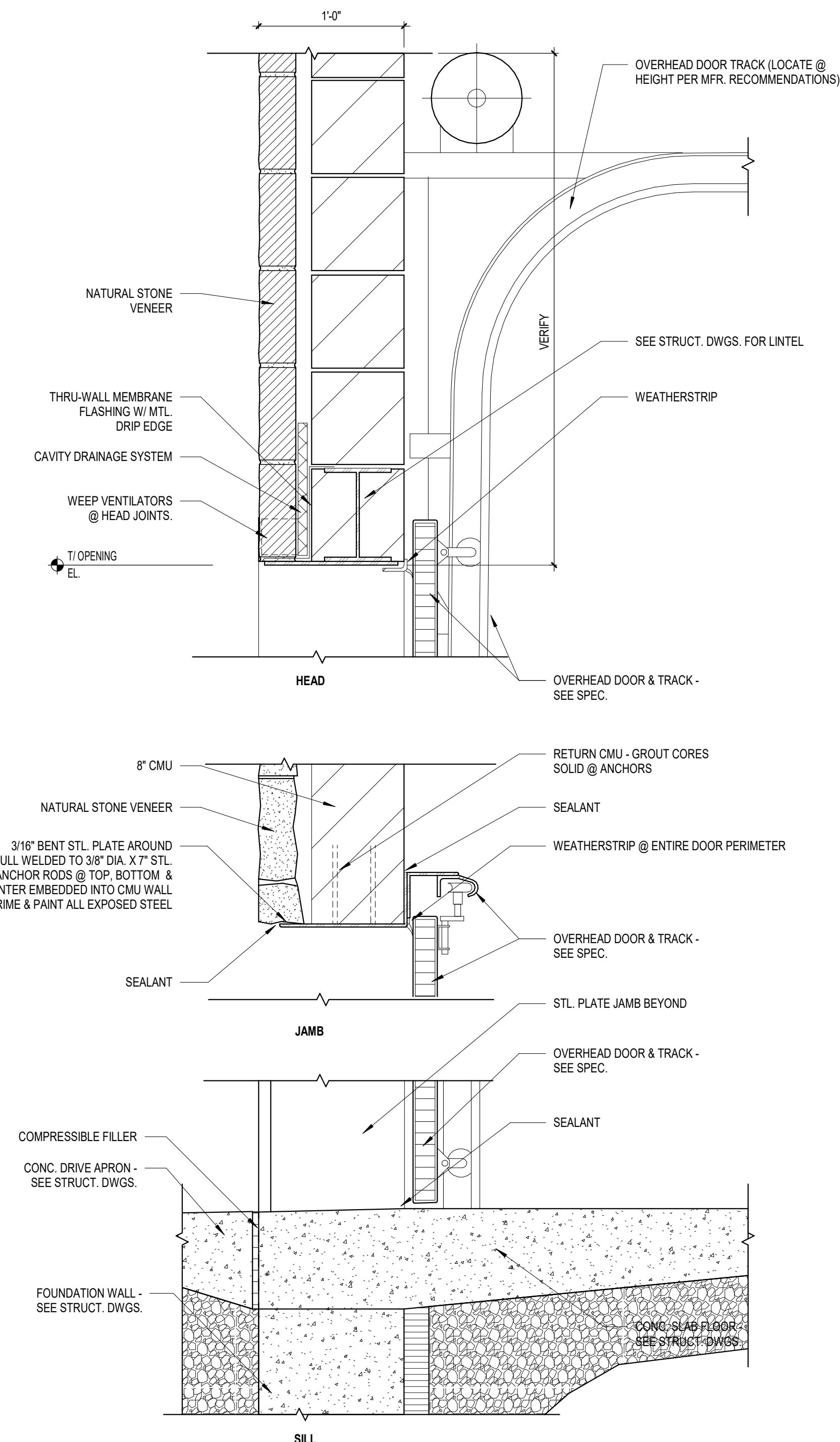
1 HM Door Head/Jamb/Sill @ Existing CMU/Stone
A8.0 Scale: 1 1/2" = 1'-0"

2 Head, Jamb & Sill @ Stone/CMU
A8.0 Scale: 1 1/2" = 1'-0"

3 Head, Jamb & Sill @ Rock-Face CMU
A8.0 Scale: 1 1/2" = 1'-0"

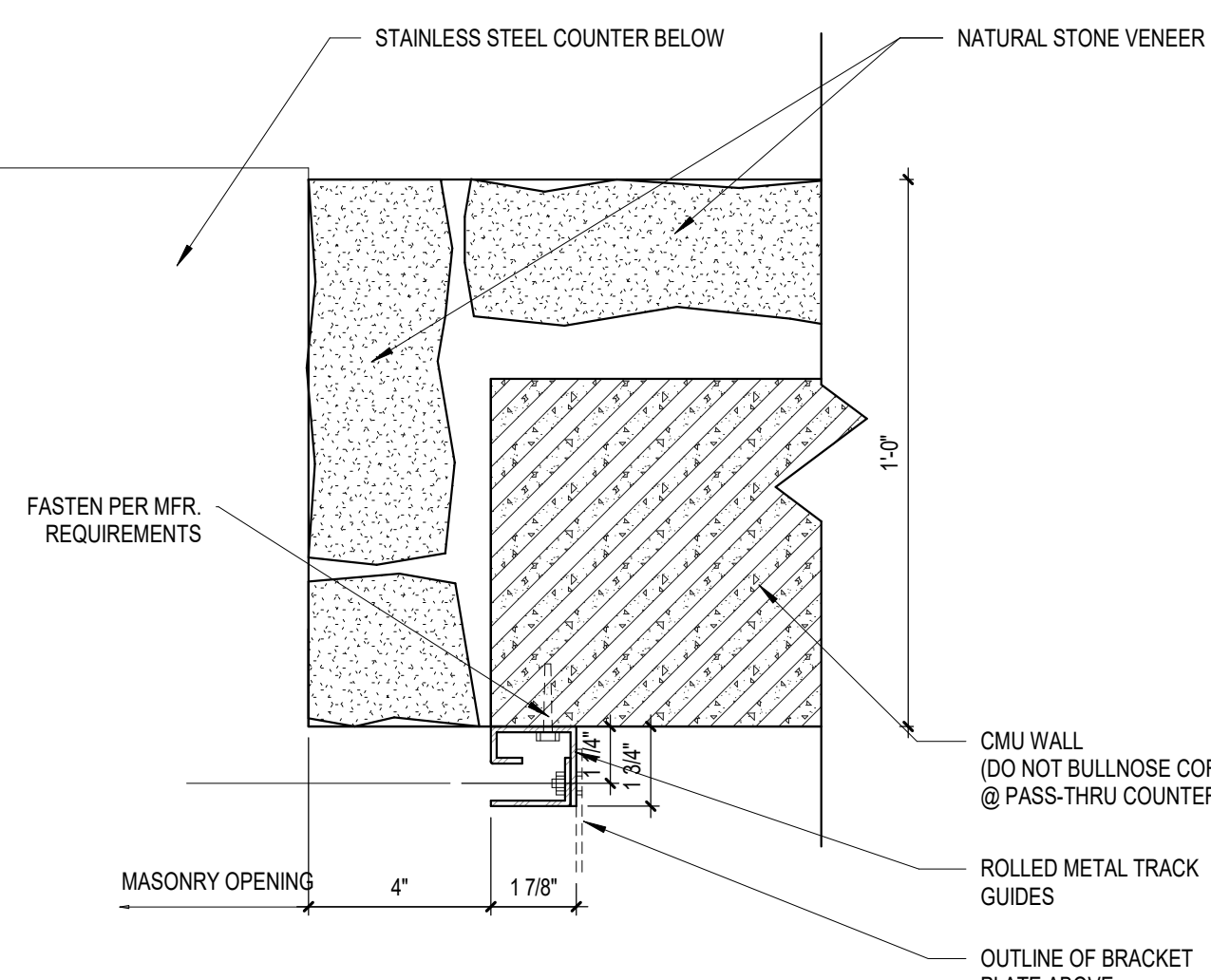


8 Thru-wall Flashing End Dam
A8.0 Scale: 3" = 1'-0"

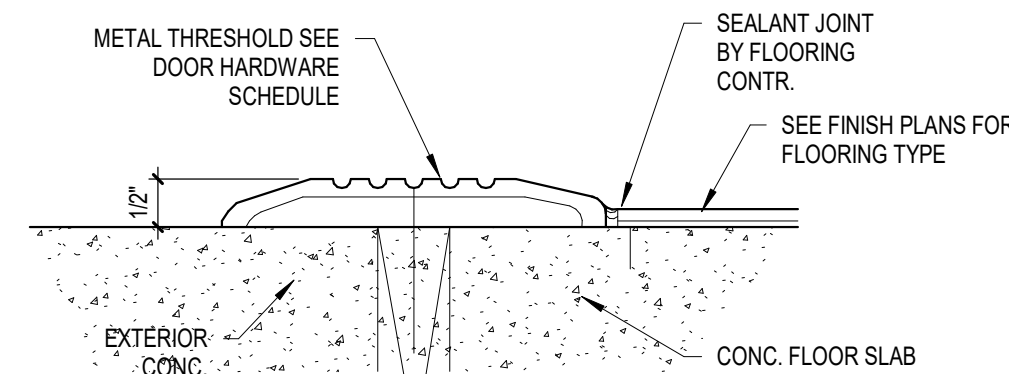


4 Overhead Door Head/Jamb/Sill
A8.0 Scale: 1 1/2" = 1'-0"

5 Roll-up Counter Door
A8.0 Scale: 1 1/2" = 1'-0"



6 Roll-up Door Track Jamb
A8.0 Scale: 3" = 1'-0"



7 Exterior Threshold Conditions
A8.0 Scale: 6" = 1'-0"

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Sheet Title:

Door Schedule,
Door & Frame
Types, Details

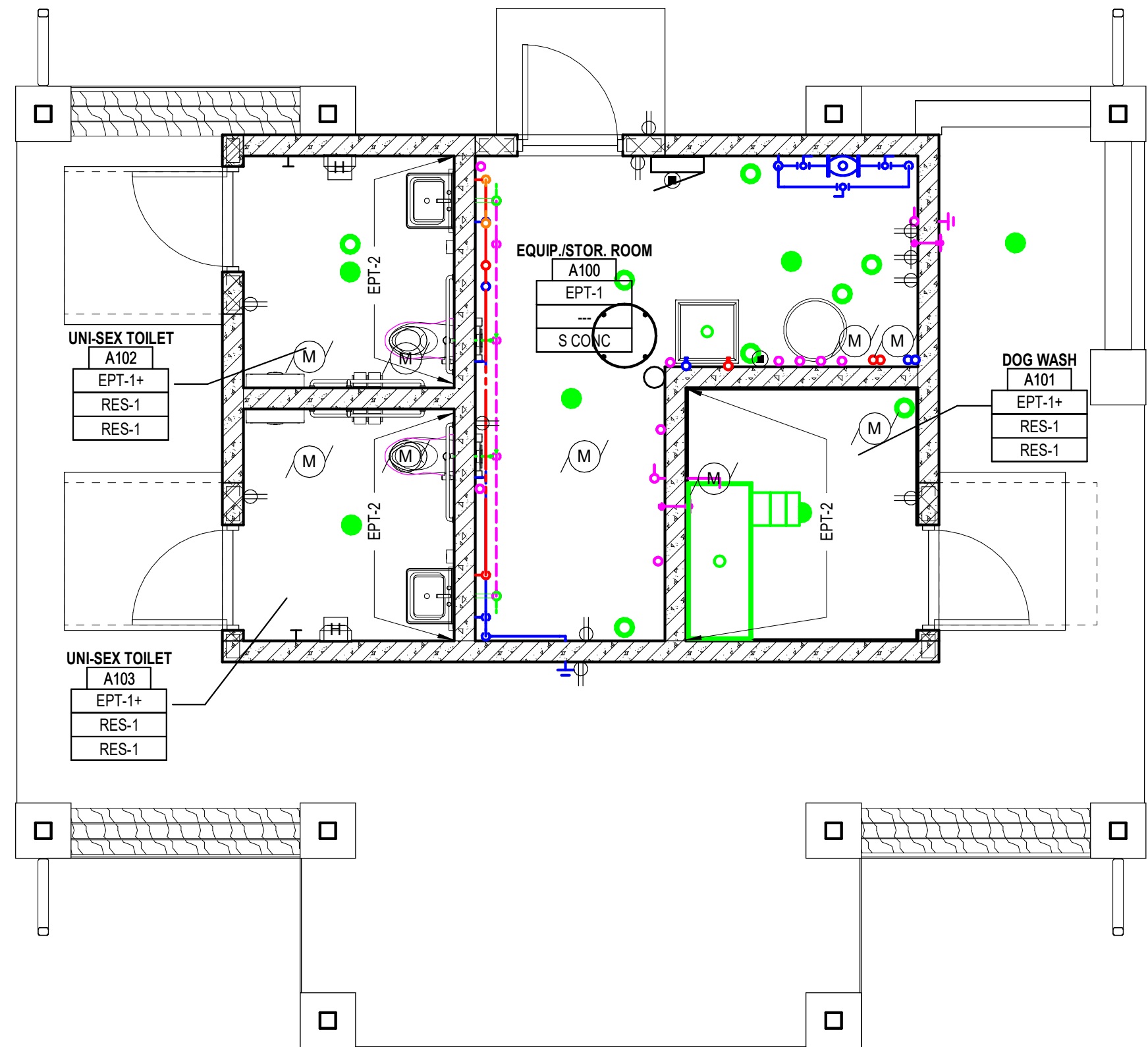
Sheet Number:

A8.0

INTERIOR FINISH LEGEND					
TAG	MATERIAL (GENERIC TYPE)	MATERIAL MANUFACTURER	MATERIAL SPECIFICATION	MATERIAL SIZE	MATERIAL NOTES
EPT-1	EPOXY PAINT		TO MATCH PT-1; SHERWIN WILLIAMS SW7050 USEFUL GRAY		
EPT-2	EPOXY PAINT		TO MATCH PT-3; SHERWIN WILLIAMS SW 9135 WHIRLPOOL		
PT-1	PAINT (FIELD)	SHERWIN WILLIAMS	SW7050 USEFUL GRAY		
PT-2	PAINT (DOOR FRAMES)	SHERWIN WILLIAMS	SW6223 STILL WATER		
PT-3	PAINT (ACCENT)	SHERWIN WILLIAMS	SW9135 WHIRLPOOL		
PT-4	PAINT (EXT. METAL STRUCTURES)	SHERWIN WILLIAMS	SW2803 ROOKWOOD TERRA COTTA		
RES-1	RESINOUS FLOORING (EPOXY)	STONHARD	STONTEC - SMOKY MOUNTAINS; SMALLFLAKES		USED FOR WALLBASE. 6"H.
SC-1	SEALED CONCRETE				
SSV-1	WOOD STAIN	SHERWIN WILLIAMS	SW 3511 CEDAR BARK		
TP-1	TOILET PARTITION	ACCURATE PARTITIONS	COLOR: CHARCOAL 9237 FINISH: PEBBLE GRAINED		

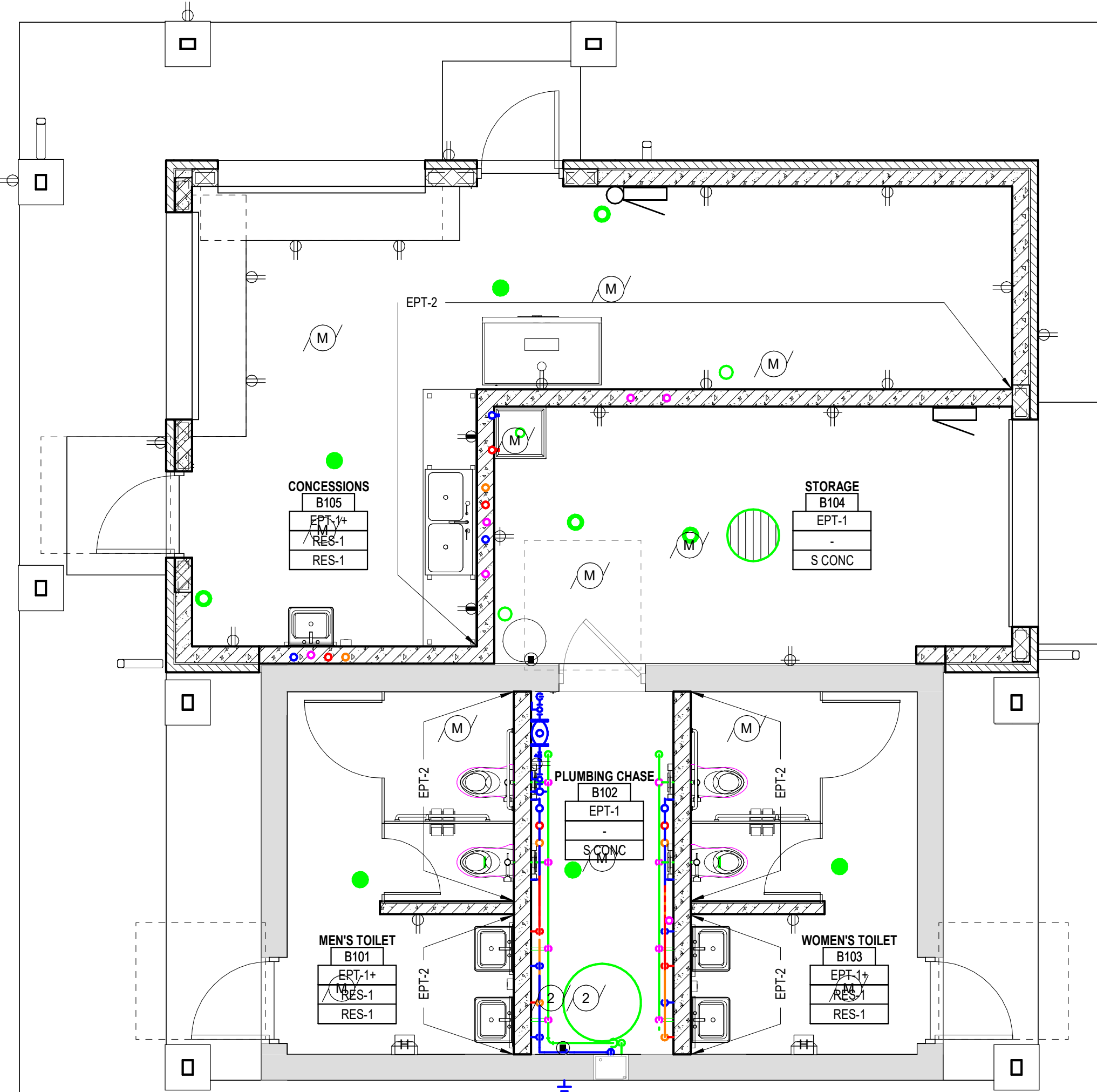
PROJECT KEYNOTE LEGEND

EPT-1	EPOXY PAINT
FRP-1	FIBER REINFORCED PANEL
PT-1	PAINT
RES-1	RESINOUS FLOOR
SSV-1	WOOD STAIN - SEE INTERIOR FINISH LEGEND
TA-1	TOILET PAPER DISPENSER - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
TA-4	LIQUID SOAP DISPENSER - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
TA-5	ELECTRIC HAND DRYER - FURNISHED BY ELEC. CONTRACTOR, INSTALLED BY ELEC. CONTRACTOR
TA-6	42", 36", 18"V GRAB BAR SET - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-8	BABY CHANGING STATION - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-12	MIRROR - SEE INTERIOR ELEVATION FOR SIZE - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR
TA-14	ROBE HOOK - FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR



1 Toilet/Dog Wash Shelter Finish Plan

A9.0 Scale: 1/4" = 1'-0"



2 Pavilion Addition Finish Plan

A9.0 Scale: 1/4" = 1'-0"

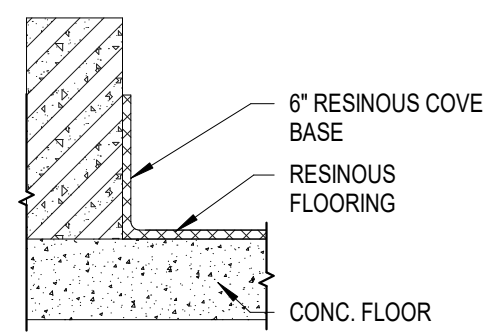
GENERAL FINISH NOTES

FINISH PLAN LEGEND

ROOM NUMBER	ROOM NAME
101	WF
WB	WB
FF	FF

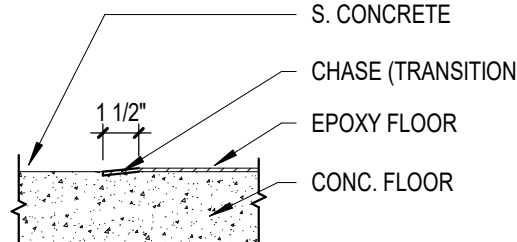
FINISH PLAN GENERAL NOTES:

- INTERIOR FINISHES AS DEFINED BY THE 2015 INTERNATIONAL BUILDING CODE - ARE TO BE IN ACCORDANCE WITH THE CODE REQUIREMENTS SET FORTH IN CHAPTER 8 OF THE 2015 IBC AS WELL AS ALL OTHER STATE/LOCAL CODE REQUIREMENTS.
- FOLLOW MANUFACTURER'S WRITTEN INSTALLATION GUIDELINES FOR ALL FINISHES/MATERIALS.
- REFERENCE FINISH PLANS, ELEVATIONS AND REFLECTED CEILING PLAN FOR LOCATIONS OF ALL MATERIALS.
- FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
- PROVIDE TRANSITION STRIPS AT CHANGES IN FLOORING.
- SEE DETAILS AND INTERIOR FINISH LEGEND FOR FLOORING TRANSITION TYPES.
- MECHANICAL GRILLES AND DIFFUSERS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNLESS NOTED OTHERWISE.
- FIELD PAINT IN ANY SPACE IS NOTED IN ROOM TAG. ACCENT PAINT AND ANY ADDITIONAL FINISHES ARE NOTED ON THE FINISH PLAN.
- *MULTIPLE FLOOR FINISH INDICATES MULTIPLE FLOORING MATERIALS. SEE FINISH PLANS FOR FLOORING TYPES.



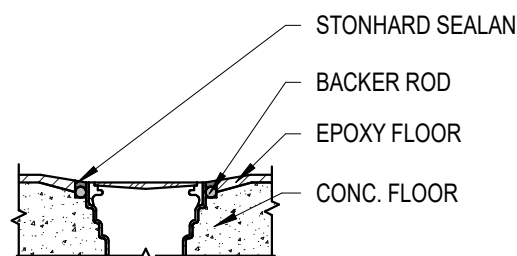
3 Typical Floor to Base Condition

A9.0 Scale: 1 1/2" = 1'-0"



4 Typical Floor Transition

A9.0 Scale: 1 1/2" = 1'-0"



5 Drain Isolation Detail

A9.0 Scale: 1 1/2" = 1'-0"



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Sheet Title:

Finish Plans,
Interior Finish
Legend, General
Notes and
Details

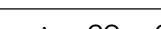
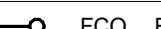
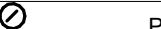
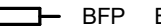
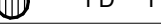
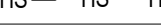
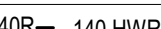
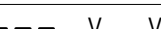
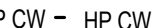
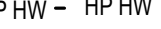
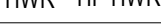
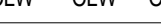
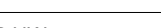
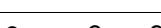
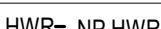
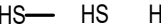
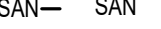
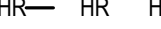
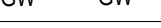
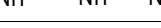
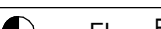
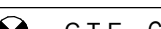
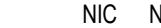
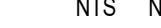
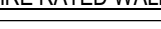
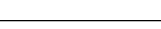
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LEGEND

NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS.

SYM. ABBR.	IDENTIFICATION	SYM. ABBR.	IDENTIFICATION
PIPING ACCESSORIES			
	CO CLEAN OUT		UNION
	WCO WALL CLEAN OUT		THERMOMETER
	FCO FLOOR CLEAN OUT (FLUSH)		PRESSURE GAUGE
	BFP BACKFLOW PREVENTER		HB HOSE BIBB
	PRV PRESSURE REDUCING VALVE		RD / OF ROOF DRAIN / OVERFLOW DRAIN
	SHUTOFF VALVE		DSN DOWN SPOUT NOZZLE
	BALANCE VALVE		FD FLOOR DRAIN
	CHECK VALVE		HD HUB DRAIN
	WHA WATER HAMMER ARRESTOR		SD SITE DRAIN
	TEST CONNECTION	(X) FIXTURE UNIT	
	PIPING CAP		
PIPING			
	CW COLD HARD WATER PIPING		P PROCESS DRAIN PIPING
	CWS COLD SOFT WATER PIPING		LS LOW STRENGTH PROCESS DRAIN PIPING
	HW HOT WATER PIPING		HS HIGH STRENGTH PROCESS DRAIN PIPING
	HWR HOT WATER RETURN PIPING		ST STORM / CONDUCTOR PIPING
	140S 140 HWS 140\" data-bbox="85 260 105 265"/>		ST STORM / CONDUCTOR PIPING - OVERFLOW
	140R 140 HWR 140\" data-bbox="85 270 105 275"/>		V VENT PIPING
	HP CW HP CW\" data-bbox="85 280 105 285"/>		AW ACD WASTE PIPING
	HP HW HP HW\" data-bbox="85 290 105 295"/>		AV ACD VENT PIPING
	HP HWR HP HWR\" data-bbox="85 300 105 305"/>		CLW CLEARWATER WASTE PIPING
	NP NON-POTABLE WATER PIPING		CLV CLEARWATER VENT PIPING
	NP HW NP HW\" data-bbox="85 320 105 325"/>		G GAS PIPING - NATURAL
	NP HWR NP HWR\" data-bbox="85 330 105 335"/>		A AIR PIPING - COMPRESSED
	TW TEMPERED WATER PIPING		HS HYDRAULIC SUPPLY PIPING
	SAN SANITARY DRAIN PIPING		HR HYDRAULIC RETURN PIPING
	GW GREASE WASTE PIPING		NT NITROGEN PIPING
	ST STORM DRAIN PIPING		CO2 CARBON DIOXIDE PIPING
MISCELLANEOUS			
	EL ELEVATION		C.T.E. CONNECT TO EXISTING
	SECTION NUMBER		CALL OUT OR DETAIL NUMBER
	SHEET NUMBER		SHEET NUMBER
ABBREVIATIONS			
		NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NTS	NOT TO SCALE
AFG	ABOVE FINISHED GRADE	OC	ON CENTER
BFF	BELOW FINISHED FLOOR	RI	ROUGH IN
EC	ELECTRICAL CONTRACTOR	BJ	BETWEEN JOISTS
FPC	FIRE PROTECTION CONTRACTOR	TJ	THRU JOISTS
GC	GENERAL CONTRACTOR / CONSTRUCTION MANAGER	TTS	TIGHT TO STRUCTURE
PC	PLUMBING CONTRACTOR	TYP	TYPICAL
MC	MECHANICAL CONTRACTOR	VTR	VENT THRU ROOF
IE	INVERT ELEVATION	WP	WEATHER PROOF
FIRE RATED WALLS			
	FIRE - 1 HOUR		FIRE - 3 HOUR
	FIRE - 2 HOUR		FIRE - 4 HOUR

DOMESTIC WATER CALCULATIONS - MCDANIEL PARK

WATER PRESSURE INFORMATION				
1	STATIC PRESSURE AT WATER MAIN	87 PSIG		
2	RESIDUAL PRESSURE AT WATER MAIN	20 PSIG		
3	RESIDUAL FLOW AT WATER MAIN	1300 GPM		
4	FIXTURE UNITS	35.25 W.S.F.U.		
5	PREDOMINATE FLUSH TYPE: TANK OR VALVE	VALVE		
6	EXISTING FLOW	0 GPM		
7	ADDITIONAL FLOW	0 GPM		
8	TOTAL DESIGN FLOW	43.0 GPM		
9	RESIDUAL PRESSURE AT DESIGN FLOW DEMAND	86.9 PSIG		
10	SAFETY FACTOR	5.00 PSIG		
11	PRESSURE AVAILABLE AT WATER MAIN AT DESIGN FLOW	81.88 PSIG		
WATER SERVICE SIZING				
12	ELEVATION OF FLOW TEST HYDRANT	98.00 FEET		
13	ELEVATION OF WATER METER	102.00 FEET		
14	ELEVATION DIFFERENCE OF FLOW TEST HYDRANT AND WATER METER	4.00 FEET		
15	WATER SERVICE MATERIAL TYPE	COPPER		
16	TOTAL DEVELOPED LENGTH FROM WATER MAIN TO WATER METER	10 FEET		
17	WATER SERVICE SIZE	2.00 INCHES		
AVAILABLE WATER PRESSURE				
18	UNIFORM PRESSURE LOSS BETWEEN WATER MAIN AND WATER METER	1.71 PSIG/100'		
19	TOTAL PRESSURE LOSS BETWEEN WATER MAIN AND WATER METER	0.17 PSIG		
20	ELEVATION PRESSURE LOSS BETWEEN WATER MAIN AND WATER METER	1.7 PSIG		
21	WATER METER SIZE	1.50 INCHES		
22	PRESSURE LOSS DUE TO WATER METER	3.80 PSIG		
23	PRESSURE LOSS DUE TO WATER TREATMENT EQUIPMENT	0.00 PSIG		
24	AVAILABLE PRESSURE AFTER WATER METER / TREATMENT EQUIPMENT	76.17 PSIG		
25	PRESSURE LOSS DUE TO PRESSURE REDUCING VALVE	7.00 PSIG		PRESSURE REDUCING VALVE IS REQUIRED
26	PRESSURE REDUCING VALVE OUTLET SETTING	65.00 PSIG		
27	PRESSURE DROP THRU PRESSURE REDUCING VALVE	7.00 PSIG		
28	PRESSURE BOOSTER PUMP OUTLET SETTING	0.00 PSIG		
29	PRESSURE INCREASE DUE TO PRESSURE BOOSTER	0.00 PSIG		
30	AVAILABLE WATER PRESSURE FOR DISTRIBUTION - START POINT	69.17 PSIG		
WATER DISTRIBUTION SIZING - COLD WATER				
A	AVAILABLE WATER PRESSURE FOR DISTRIBUTION - START POINT	69.17 PSIG	PIPE SIZE	COPPER
B	CONTROLLING FIXTURE TAG	WC-1	INCHES	Flush tank
C	CONTROLLING FIXTURE ROOM NAME	WOMENS		valve
D	CONTROLLING FIXTURE ROOM NUMBER	B103	1/2	5.0 NP
E	CONTROLLING FIXTURE REQUIRED PRESSURE	25.00 PSIG	3/4	16.5 4.0
F	ELEVATION DIFFERENCE OF CONTROLLING FIXTURE AND WATER METER	2.00 FEET	1	31.0 6.5
G	PRESSURE LOSS DUE TO WATER TREATMENT EQUIPMENT	0.00 PSIG	1 1/4	58.0 15.0
H	PRESSURE LOSS DUE TO THERMOSTATIC MIXING VALVE	0.00 PSIG	1 1/2	107.0 37.0
I	PRESSURE AVAILABLE FOR PIPING PRESSURE DROP	43.30 PSIG	2	260.0 136.0
J	DEVELOPED LENGTH START POINT TO CONTROLLING FIXTURE	20 FEET	2 1/2	469.0 356.0
K	EQUIVALENT LENGTH START POINT TO CONTROLLING FIXTURE	30 FEET	3	752.0 698.0
L	PRESSURE AVAILABLE FOR UNIFORM LOSS	144.35 PSIG/100'	4	1792.0 1792.0
WATER DISTRIBUTION SIZING - HOT WATER				
M	AVAILABLE WATER PRESSURE FOR DISTRIBUTION - START POINT	69.17 PSIG	PIPE SIZE	COPPER
N	CONTROLLING FIXTURE TAG	S-2	INCHES	Flush tank
O	CONTROLLING FIXTURE ROOM NAME	CONCESSIONS		
P	CONTROLLING FIXTURE ROOM NUMBER	B105	1/2	3.1
Q	CONTROLLING FIXTURE REQUIRED PRESSURE	8.00 PSIG	3/4	10.3
R	ELEVATION DIFFERENCE OF CONTROLLING FIXTURE AND WATER METER	0.00 FEET	1	19.4
S	PRESSURE LOSS DUE TO TREATMENT EQUIPMENT	0.00 PSIG	1 1/4	36.3
T	PRESSURE LOSS DUE TO THERMOSTATIC MIXING VALVE	0.00 PSIG	1 1/2	66.9
U	PRESSURE AVAILABLE FOR PIPING PRESSURE DROP	61.17 PSIG	2	162.5
V	DEVELOPED LENGTH START POINT TO CONTROLLING FIXTURE	45 FEET	2 1/2	293.1
W	EQUIVALENT LENGTH START POINT TO CONTROLLING FIXTURE	68 FEET	3	470.0
X	PRESSURE AVAILABLE FOR UNIFORM LOSS	90.63 PSIG/100'	4	1120.0
WATER PIPE MATERIAL				
Y	PIPE MAINS AND BRANCHES			COPPER
Z	PIPE SUPPLY TO EACH FIXTURE			COPPER

GREASE INTERCEPTOR CALCULATIONS - INTERIOR

SINK(S)	COMPARTMENT						
	NUMBER OF BOWLS	LENGTH (INCHES)	WIDTH (INCH)	DEPTH (INCHES)	VOLUME (CU. IN.)	VOLUME (GALLONS)	VOLUME x 0.75 (GPM)
TWO COMPARTMENT	2	22	16	6.5	4,576	20	15
TOTAL REQUIRED FLOW RATE (GPM)							15

SANITARY EJECTOR - 1 CALCULATIONS

SIZE INFORMATION	
NUMBER OF PUMPS	2 PUMP(S)
PUMP FLOW DISCHARGE	40.0 GPM
Basin Diameter	36 INCHES
INLET INFORMATION	
DRAIN FLOW	57.5 D.F.U.
WATER CLOSETS - THREE OR MORE	YES
WATER FLOW	35.25 W.S.F.U.
PREDOMINATE FLUSH TYPE: TANK OR VALVE	VALVE
ADDITIONAL FLOW	0 GPM
TOTAL FLOW	43 GPM
MINIMUM ZONE LEVEL HEIGHTS	
MINIMUM PUMP RUN TIME	20 SECONDS
MINIMUM DRAW DOWN HOLDING CAPACITY	13.3 GPM
MINIMUM SUMP HOLDING CAPACITY PER INCH	4.40 INCHES
MINIMUM ZONE LEVEL HEIGHTS	
INLET PIPE INVERT ELEVATION BELOW FINISH FLOOR	24.00 INCHES
RESERVE	3.41 INCHES
DRAW DOWN	3.03 INCHES
PERMILINARY PUMP COVER	4.00 INCHES
PERMILINARY BASIN HEIGHT	39 INCHES
STANDARD MANUFACTURED SIZE HEIGHT DIFFERENCE	9.00 INCHES
FINAL PUMP COVER	13.00 INCHES
FINAL BASIN HEIGHT	48 INCHES

DETAIL REFERENCE CODE

A = 48 INCHES
B = 36.00 INCHES
C = 13.00 INCHES
D = 3.03 INCHES
E = 3.03 INCHES
F = 1.52 INCHES
G = 3.41 INCHES
H = 24.00 INCHES

DOMESTIC WATER CALCULATIONS - MCFARLAND DOG PARK

WATER PRESSURE INFORMATION			
1	STATIC PRESSURE AT WATER MAIN	80 PSIG	
2	RESIDUAL PRESSURE AT WATER MAIN	20 PSIG	
3	RESIDUAL FLOW AT WATER MAIN	6000 GPM	
4	FIXTURE UNITS	24 W.S.F.U.	
5	PREDOMINATE FLUSH TYPE: TANK OR VALVE	VALVE	
6	EXISTING FLOW	0 GPM	
7	ADDITIONAL FLOW	0 GPM	
8	TOTAL DESIGN FLOW	37.00 GPM	
9	RESIDUAL PRESSURE AT DESIGN FLOW DEMAND	80.0 PSIG	
10	SAFETY FACTOR	5.00 PSIG	
11	PRESSURE AVAILABLE AT WATER MAIN AT DESIGN FLOW	75.00 PSIG	
WATER SERVICE SIZING			
12	ELEVATION OF FLOW TEST HYDRANT	863.00 FEET	
13	ELEVATION OF WATER METER	863.00 FEET	
14	ELEVATION DIFFERENCE OF FLOW TEST HYDRANT AND WATER METER	0.00 FEET	
15	WATER SERVICE MATERIAL TYPE	COPPER	
16	TOTAL DEVELOPED LENGTH FROM WATER MAIN TO WATER METER	200 FEET	
17	WATER SERVICE SIZE	2.00 INCHES	
AVAILABLE WATER PRESSURE			
18	UNIFORM PRESSURE LOSS BETWEEN WATER MAIN AND WATER METER	1.29 PSIG/100'	
19	TOTAL PRESSURE LOSS BETWEEN WATER MAIN AND WATER METER	2.58 PSIG	
20	ELEVATION PRESSURE LOSS BETWEEN WATER MAIN AND WATER METER	0.0 PSIG	
21	WATER METER SIZE	1.50 INCHES	
22	PRESSURE LOSS DUE TO WATER METER	2.90 PSIG	
23	PRESSURE LOSS DUE TO WATER TREATMENT EQUIPMENT	0.00 PSIG	
24	AVAILABLE PRESSURE AFTER WATER METER / TREATMENT EQUIPMENT	69.51 PSIG	
25	PRESSURE LOSS DUE TO PRESSURE REDUCING VALVE	0.00 PSIG	
26	PRESSURE REDUCING VALVE OUTLET SETTING	0.00 PSIG	
27	PRESSURE DROP THRU PRESSURE REDUCING VALVE	0.00 PSIG	
28	PRESSURE BOOSTER PUMP OUTLET SETTING	0.00 PSIG	
29	PRESSURE INCREASE DUE TO PRESSURE BOOSTER	0.00 PSIG	
30	AVAILABLE WATER PRESSURE FOR DISTRIBUTION - START POINT	69.51 PSIG	
WATER DISTRIBUTION SIZING - COLD WATER			
A	AVAILABLE WATER PRESSURE FOR DISTRIBUTION - START POINT	69.51 PSIG	
B	CONTROLLING FIXTURE TAG	WC-1	
C	CONTROLLING FIXTURE ROOM NAME	TOILET	
D	CONTROLLING FIXTURE ROOM NUMBER	103	
E	CONTROLLING FIXTURE REQUIRED PRESSURE	25.00 PSIG	
F	ELEVATION DIFFERENCE OF CONTROLLING FIXTURE AND WATER METER	2.00 FEET	
G	PRESSURE LOSS DUE TO WATER TREATMENT EQUIPMENT	0.00 PSIG	
H	PRESSURE LOSS DUE TO THERMOSTATIC MIXING VALVE	0.00 PSIG	
I	PRESSURE AVAILABLE FOR PIPING PRESSURE DROP	43.64 PSIG	
J	DEVELOPED LENGTH START POINT TO CONTROLLING FIXTURE	30 FEET	
K	EQUIVALENT LENGTH START POINT TO CONTROLLING FIXTURE	45 FEET	
L	PRESSURE AVAILABLE FOR UNIFORM LOSS	96.99 PSIG/100'	
WATER DISTRIBUTION SIZING - HOT WATER			
M	AVAILABLE WATER PRESSURE FOR DISTRIBUTION - START POINT	69.51 PSIG	
N	CONTROLLING FIXTURE TAG	DW-1	
O	CONTROLLING FIXTURE ROOM NAME	DOG WASH	
P	CONTROLLING FIXTURE ROOM NUMBER	A101	
Q	CONTROLLING FIXTURE REQUIRED PRESSURE	8.00 PSIG	
R	ELEVATION DIFFERENCE OF CONTROLLING FIXTURE AND WATER METER	3.00 FEET	
S	PRESSURE LOSS DUE TO TREATMENT EQUIPMENT	0.00 PSIG	
T	PRESSURE LOSS DUE TO THERMOSTATIC MIXING VALVE	1.00 PSIG	
U	PRESSURE AVAILABLE FOR PIPING PRESSURE DROP	59.21 PSIG	
V	DEVELOPED LENGTH START POINT TO CONTROLLING FIXTURE	40 FEET	
W	EQUIVALENT LENGTH START POINT TO CONTROLLING FIXTURE	60 FEET	
X	PRESSURE AVAILABLE FOR UNIFORM LOSS	98.68 PSIG/100'	
WATER PIPE MATERIAL			
Y	PIPE MAINS AND BRANCHES	COPPER	
Z	PIPE SUPPLY TO EACH FIXTURE	COPPER	

GENERAL INSTALLATION NOTES

- SEE PLUMBING SPECIFICATIONS FOR MORE INFORMATION.
- PLUMBING INSTALLATION SHALL BE INSTALLED PER WISCONSIN UNIFORM PLUMBING CODE AND PER LOCAL PLUMBING CODE FOR ITEMS NOT NOTED.
- FIELD VERIFY UNDERGROUND PIPING LOCATION, DEPTH AND SIZE AT POINT OF CONNECTION AND THAT NEW PIPE ROUTE IS CLEAR OF UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO INSTALLATION OF ANY UNDERGROUND PIPING. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL PIPING IS TO BE CONCEALED. IF BUILDING CONSTRUCTION DOES NOT PERMIT CONCEALING PIPING, LOCATIONS AND ROUTING ARE TO BE APPROVED BY ARCHITECT/OWNER PRIOR TO INSTALLATION.
- ROUTE ALL PIPING IN COORDINATION WITH OTHER TRADES.
- FLOOR AND WALL CLEANOUT LOCATIONS NOT PERMITTED TO BE MOVED WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
- SEE ARCHITECTURAL SHEETS FOR ADA RELATED INSTALLATION DETAILS.
- SEE STRUCTURAL FOOTING, TRUSS AND JOIST ELEVATIONS AND DETAILS.
- SEE MECHANICAL PLANS FOR AREAS THAT ARE USED AS A RETURN AIR PLENUM. PROVIDE PLENUM RATED PIPE OR PIPE WRAP AS PER PROJECT'S PLUMBING SPECIFICATIONS.
- SEE MECHANICAL PLANS AND HVAC CONTRACTOR FOR FINAL LOCATION OF HVAC EQUIPMENT IN MECHANICAL / BOILER ROOMS TO COORDINATE FINAL LOCATIONS OF FLOOR / HUB / SITE DRAINS PRIOR TO INSTALLATION.
- SEE PLUMBING ISOMETRICS SHEETS FOR PIPE SIZE AND LOAD INFORMATION NOT SHOWN ON FLOOR PLANS.
- SLOPE ALL SANITARY AND STORM PIPING 3" AND LARGER AT 1/8"FT UNLESS NOTED OTHERWISE.
- SLOPE ALL SANITARY AND STORM PIPING 2" AND SMALLER AT 1/4"FT UNLESS NOTED OTHERWISE.
- SLOPE ALL SANITARY GREASE WASTE PIPING AT 1/4"FT UNLESS NOTED OTHERWISE.
- INSTALL CLEANOUTS AT STACKS WHICH PENETRATE THE LOWEST FLOOR LEVEL 30" A.F.F. UNLESS NOTED OTHERWISE.
- INSTALL BALL VALVES TO ISOLATE HOT AND COLD WATER BRANCH PIPING FROM HOT AND COLD WATER MAINS FOR EACH PLUMBING FIXTURES OR ROOMS WITH MULTIPLE PLUMBING FIXTURES.
- INSTALL EXTERIOR HOSE BIBBS AT 18" A.F.F. UNLESS NOTED OTHERWISE.
- INSTALL INTERIOR HOSE BIBBS AT 36" A.F.F. UNLESS NOTED OTHERWISE.
- INSTALL DOWN SPOUT NOZZLES AT 18" A.F.F. UNLESS NOTED OTHERWISE.

GENERAL DEMOLITION NOTES

- SEE PLUMBING SPECIFICATIONS FOR MORE INFORMATION.
- ALL PIPING AND FIXTURES SHOWN HEAVY DASHED ARE TO BE DEMOLISHED.
- ALL PIPING AND FIXTURES SHOWN LIGHTER ARE EXISTING TO REMAIN.
- COORDINATE DEMOLITION OF EXISTING PIPING TO BE REMOVED WITH GENERAL CONTRACTOR.
- SOME EXISTING PLANS OF UNDERGROUND PIPING EXIST. PIPING SHOWN WITHOUT EXISTINGS PLANS ARE THE ENGINEER'S ESTIMATION OF ROUTING. FIELD VERIFY LOCATIONS OF EXISTING PIPE MAINS. REUSE ANY PIPING OF SUFFICIENT SIZE IN GOOD CONDITION. REROUTE AS REQUIRED PER FIELD CONDITIONS.
- FIELD VERIFY LOCATIONS OF EXISTING PIPE MAINS. REUSE ANY PIPING OF SUFFICIENT SIZE IN GOOD CONDITION. REROUTE AS REQUIRED PER FIELD CONDITIONS.
- WHERE EXISTING PIPING IS SHOWN TO BE REMOVED, CAP BRANCH PIPE IF NOT BEING USED FOR NEW CONSTRUCTION.

DESIGN PROFESSIONAL

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SHEET INDEX - PLUMBING

SHEET NUMBER	SHEET NAME
P0.0	LEGEND AND GENERAL NOTES
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P1.1C	PAVILION ADDITION PLANS
P2.0A	TOILET / DOG WASH SHELTER ISOMETRIC - SANITARY DWV
P2.0C	PAVILION ADDITION ISOMETRIC - SANITARY DWV
P2.1A	TOILET / DOG WASH SHELTER ISOMETRIC - DOMESTIC WATER
P2.1C	PAVILION ADDITION ISOMETRIC - DOMESTIC WATER
P3.0	DETAILS
P4.0	SCHEDULES
P4.1	SCHEDULES

Project Title:

McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:

DATE DESCRIPTION

Project Number:

3491

Issued For:

Construction Documents

Issued to Bid 06/05/2020

Sheet Title:

LEGEND AND GENERAL NOTES

Sheet Number:

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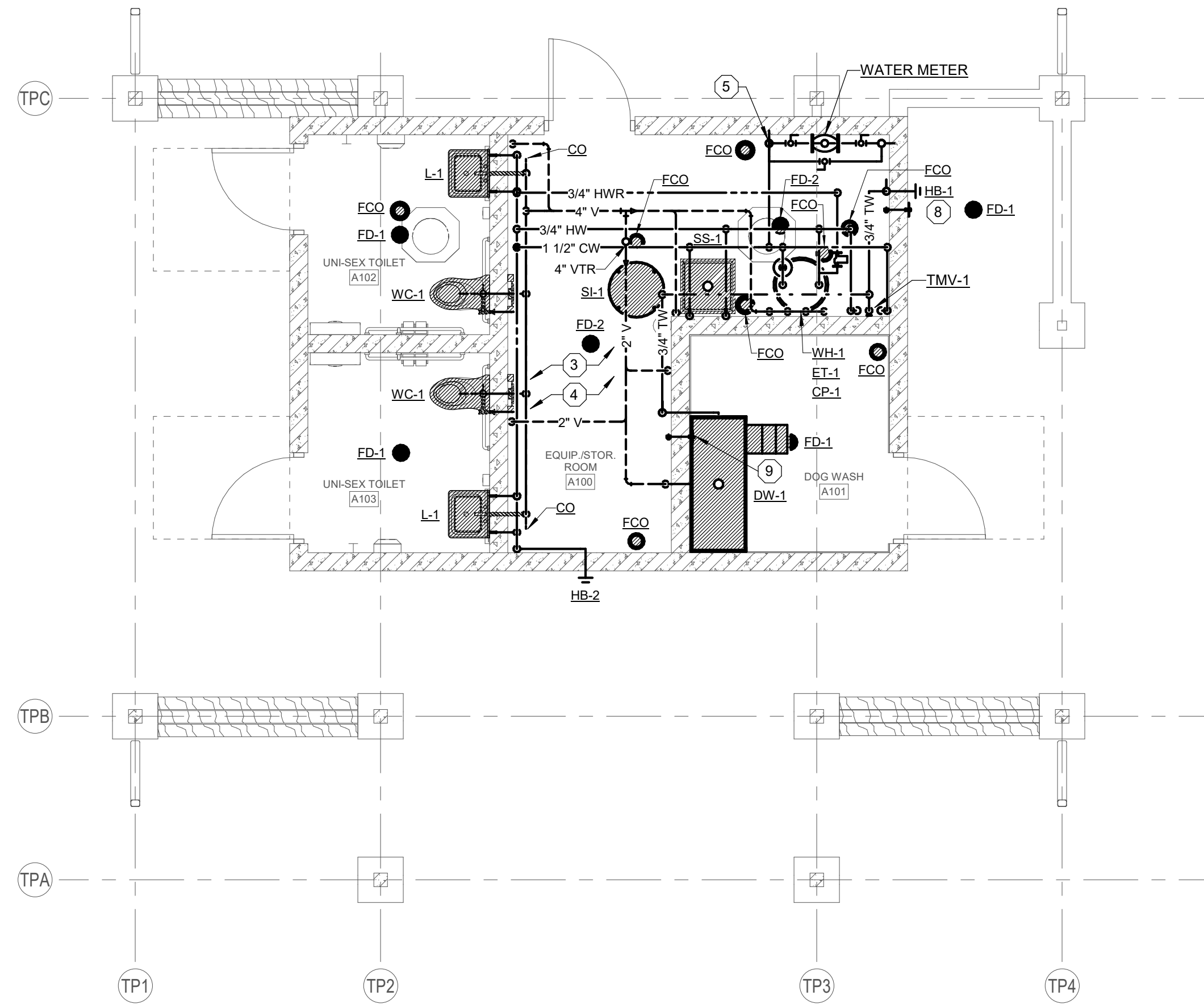
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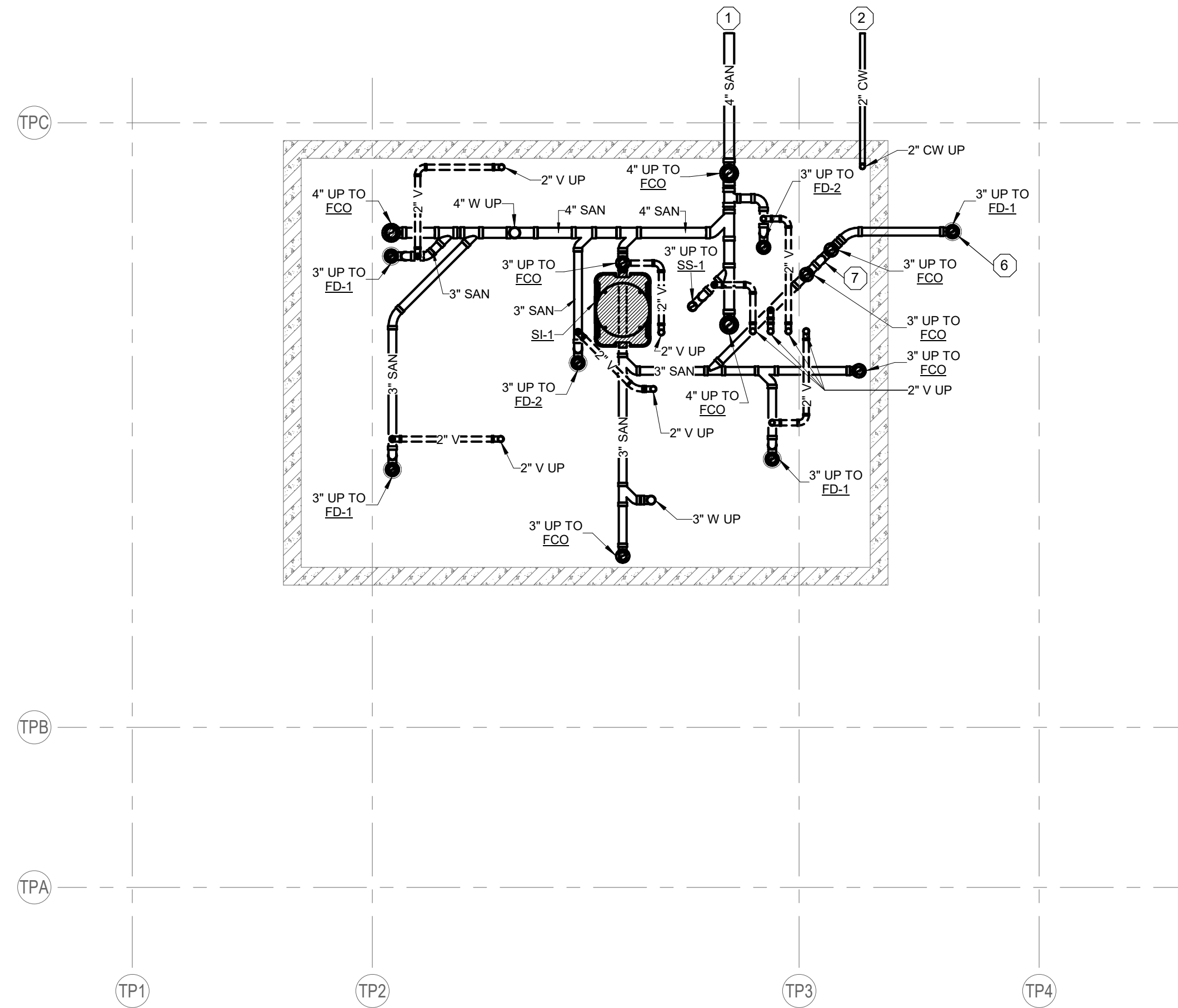
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1
P1.1A
TOILET / PET WASH SHELTER FLOOR PLAN
Scale: 1/4" = 1'-0"



2
P1.1A
TOILET / PET WASH SHELTER FOUNDATION PLAN
Scale: 1/4" = 1'-0"

- ### INSTALLATION NOTES
- NOT ALL KEYNOTES APPEAR ON THIS SHEET
1. TERMINATE SANITARY DRAIN PIPING 5 FEET OUTSIDE OF BUILDING FOR EXTENSION TO SANITARY SEWER BY SITE UTILITY CONTRACTOR. FIELD VERIFY INVERT ELEVATIONS OF UNDERGROUND DRAIN PIPING WITH SEWER PIPING PRIOR TO ANY INSTALLATION. PROVIDE A MINIMUM OF 5.5 FEET OF GROUND COVER OVER SANITARY DRAIN PIPING. SEE CIVIL SHEETS FOR MORE INFORMATION.
 2. TERMINATE WATER SERVICE PIPING 5 FEET OUTSIDE OF BUILDING FOR EXTENSION TO WATER SERVICE LATERAL BY SITE UTILITY CONTRACTOR. FIELD VERIFY INVERT ELEVATIONS TO ANY INSTALLATION. PROVIDE A MINIMUM OF 6.5 FEET OF GROUND COVER OVER WATER SERVICE PIPING. SEE CIVIL SHEETS FOR MORE INFORMATION.
 3. ROUTE WATER PIPING EXPOSED TIGHT TO INTERIOR SIDE OF THE WALL. PROVIDE U-STRUT CHANNEL AS REQUIRED.
 4. ROUTE WATER PIPING EXPOSED TIGHT TO INTERIOR SIDE OF THE CEILING. PROVIDE U-STRUT CHANNEL AS REQUIRED.
 5. PROVIDE DRAIN DOWN VALVE AT THE LOWEST POINT OF THE WATER PIPING. ALL WATER PIPING SHALL BE INSTALLED WITH 1/8" SLOPE TO ALLOW FOR WINTERIZATION DRAINING TO THE LOWEST POINT OF THE SYSTEM.
 6. OUTDOOR FLOOR DRAIN SHALL HAVE TRAP LOCATED INSIDE BUILDING FOR FREEZE PROTECTION.
 7. LOCATION OF INDOOR TRAP WITH FLOOR CLEANOUTS. SEE ISOMETRIC DRAWING FOR MORE DETAIL.
 8. OUTDOOR PET WASH STATION TO HAVE 42" HEIGHT WALL MOUNTED PUSH BUTTON TO CONTROL INDOOR SOLENOID VALVE LOCATED IN TEMPERED WATER LINE BEHIND WALL IN SPACE A100. CONNECT HOSE AND WASHING WAND TO HOSE BIBB AND COIL HOSE/WAND ON WALL MOUNTED HOOK. ADJUST VALVE CONTROLLER TO TIME LIMIT DESIRED BY OWNER. SET HOSE BIBB TO OPEN POSITION SUCH THAT WATER FLOW IS CONTROLLED BY PUSH BUTTON FOR SOLENOID VALVE.
 9. INDOOR DOG WASH STATION WITH PRE-MANUFACTURED STAINLESS STEEL TUB PER SCHEDULE. MOUNT PUSH BUTTON ON TUB NEAR UPPER RIGHT CORNER TO CONTROL SOLENOID VALVE LOCATED IN TEMPERED WATER LINE BEHIND WALL IN SPACE A100. CONNECT HOSE AND SPRAYER HEAD TO PROVIDED SPOUT MOUNTED ON RIGHT SIDE OF TUB. AND CONNECT SINGLE TEMPERED WATER CONNECTION TO PLUMBING CONNECTION. CAP OFF OPEN PLUMBING CONNECTION ON FIXTURE AND FIX SUPPLY VALVES IN OPEN POSITION SUCH THAT WATER FLOW IS CONTROLLED BY PUSH BUTTON FOR SOLENOID VALVE.



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Project Title:

**McFarland Park Facility Projects
Village of McFarland
McFarland, WI**

REVISIONS:

DATE	DESCRIPTION
------	-------------

Project Number:

3491

Issued For:

Construction Documents

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Sheet Title:

**TOILET / DOG
WASH SHELTER
PLANS**

Sheet Number:

P1.1A

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3 PAVILION ADDITION DEMOLITION PLAN
P1.1C Scale: 1/4" = 1'-0"

DEMOLITION NOTES

NOT ALL KEYNOTES APPEAR ON THIS SHEET

1. REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES/EQUIPMENT. REMOVE ALL EXISTING PIPING TO MINIMUM 36" BELOW FINISHED FLOOR AND PLUGCAP REMAINING PIPE. COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR TO PATCH SURFACES TO ALLOW PROPER FINISH TO NEW BATHROOM SURFACES.
2. EXISTING WATER METER AND 1-1/2" CW SERVICE INSIDE A PIT TO BE REMOVED BACK TO WATER MAIN TO ALLOW FOR INSTALLATION OF NEW 2" SERVICE. COORDINATE WITH GENERAL CONTRACTOR AND SITE CIVIL FOR NEW CONNECTION OF 2" SERVICE.
3. REMOVE AND DISPOSE OF ALL EXISTING PLUMBING FIXTURES/EQUIPMENT/PIPING LOCATED IN THIS SPACE TO A MINIMUM OF 36" BELOW FINISHED FLOOR AND PLUGCAP REMAINING PIPE.
4. REMOVE AND DISPOSE OF EXISTING SANITARY EJECTOR PUMP AND PIT. EXISTING 2" PUMP DISCHARGE PIPE TO REMAIN AND BE REUSED. TEMPORARILY CAP AND ALLOW FOR RECONNECTION OF REMAINING PIPE. BACK FILL WITH GRAVEL AS REQUIRED TO INSTALL NEW SEWAGE EJECTOR PIT PER NEW PLANS. COORDINATE WITH GENERAL CONTRACTOR FOR SAW CUTTING OF FLOOR TO ALLOW FOR COMPLETE REMOVAL OF ALL REMOVED EQUIPMENT AND PIPING.
5. EXISTING DRINKING FOUNTAIN TO REMAIN.

INSTALLATION NOTES

NOT ALL KEYNOTES APPEAR ON THIS SHEET

1. EXISTING 2" PRESSURIZED SANITARY SEWER. FIELD VERIFY INVERT ELEVATIONS OF UNDERGROUND DRAIN PIPING WITH SEWER PIPING PRIOR TO ANY INSTALLATION. PROVIDE CAMERA INSPECTION AND CLEANING OF EXISTING DRAIN. NOTIFY ENGINEER OF ANY IRREGULARITIES THAT WILL PREVENT THE NORMAL OPERATIONS OF THE SYSTEM. SEE CIVIL SHEETS FOR MORE INFORMATION.
2. TERMINATE NEW 2" WATER SERVICE PIPING TO 5 FEET OUTSIDE OF BUILDING FOR EXTENSION TO WATER SERVICE LATERAL BY SITE UTILITY CONTRACTOR. FIELD VERIFY INVERT ELEVATIONS TO ANY INSTALLATION. PROVIDE A MINIMUM OF 6.5 FEET OF GROUND COVER OVER WATER SERVICE PIPING. COORDINATE CONNECTION TO NEW SERVICE WITH SITE UTILITY CONTRACTOR TO ALLOW FOR WINTERIZATION OF BUILDING. SEE CIVIL SHEETS FOR MORE INFORMATION.
3. ROUTE WATER PIPING EXPOSED TIGHT TO INTERIOR SIDE OF THE WALL. PROVIDE U-STRUT CHANNEL AS REQUIRED.
4. ROUTE WATER PIPING EXPOSED TIGHT TO INTERIOR SIDE OF THE CEILING. PROVIDE U-STRUT CHANNEL AS REQUIRED.
5. PROVIDE DRAIN DOWN VALVE AT THE LOWEST POINT OF THE WATER PIPING. ALL WATER PIPING SHALL BE INSTALLED WITH 1/8" SLOPE TO ALLOW FOR WINTERIZATION DRAINING TO THE LOWEST POINT OF THE SYSTEM.
6. PROVIDE COMBINATION DRAIN AND VENT INSTALLATION PER SPS 382.31(17)(b). PROVIDE FLOOR CLEANOUTS AS REQUIRED FOR PROPER INSTALLATION.
7. PROVIDE NEW DOMESTIC COLD WATER PIPING AND SANITARY DRAIN, WASTE AND VENT PIPING TO EXISTING PLUMBING FIXTURE. MOUNT NEW PIPING TIGHT TO WALL OF ROOM B102.



Office Locations:

Davenport
220 Emerson Place, Suite 301
Davenport, Iowa 52801

Milwaukee
829 S. 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Sheboygan
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PO Box 955
Sheboygan, Wisconsin 53082
T: 920.459.4200

www.brayarch.com

Project Title:

**McFarland Park Facility Projects
Village of McFarland
McFarland, WI**

REVISIONS:

DATE	DESCRIPTION
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Project Number:

3491

Issued For:

Construction Documents

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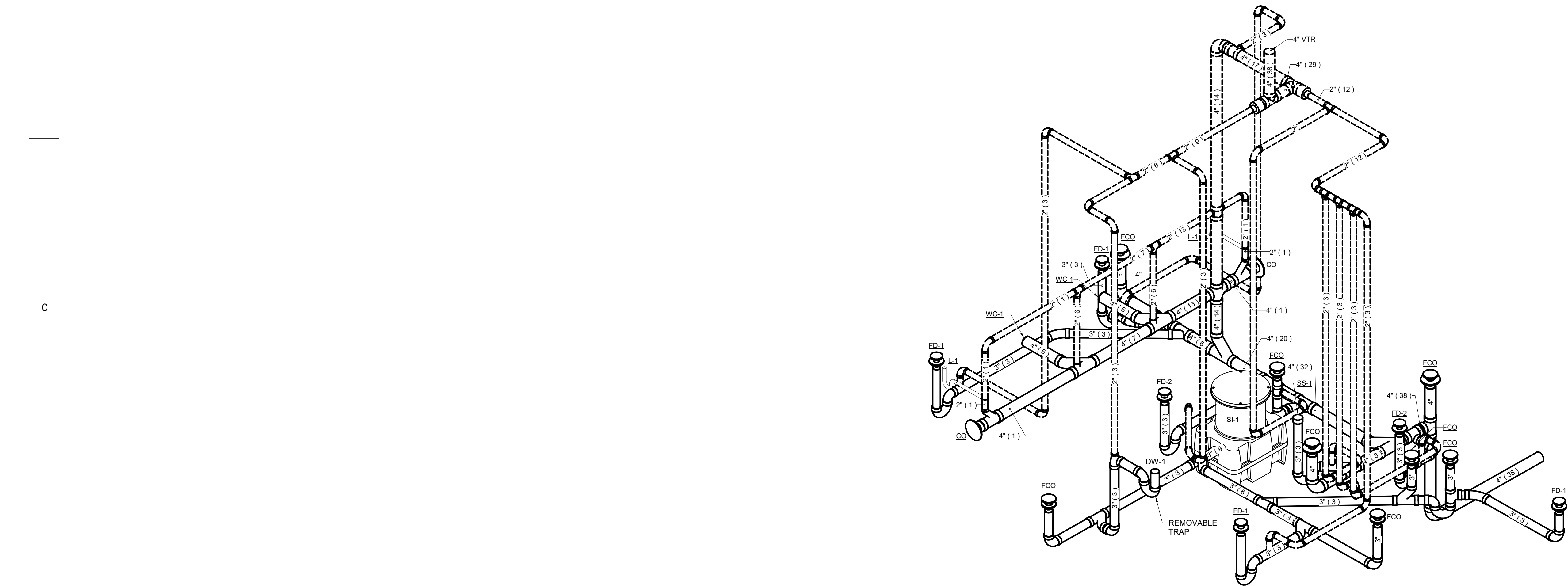
Sheet Title:
**PAVILION
ADDITION PLANS**

Sheet Number:

P1.1C

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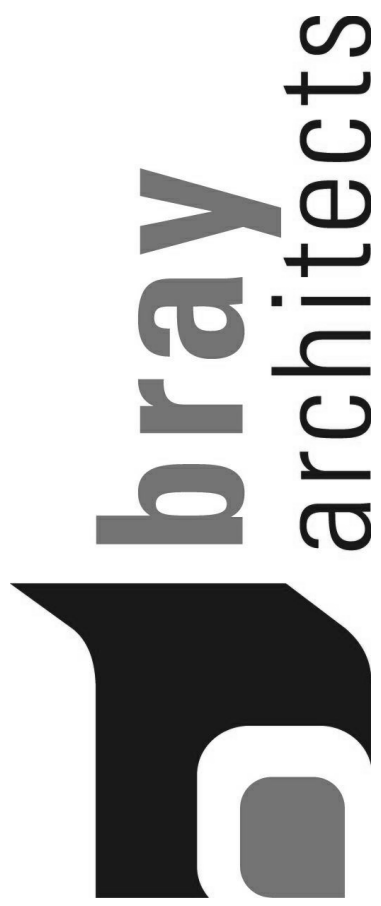
TOILET / PET WASH SHELTER SANITARY DWV ISOMETRICS
NTS

SANITARY ISOMETRIC NOTES

SEE FOUNDATION / FLOOR PLANS AND PLUMBING FIXTURE UNIT
TABLE ON SHEET P20.0 FOR DRAIN WASTE BRANCH PIPE SIZE TO
FIXTURE.

ALL VENT PIPING SERVING INDIVIDUAL WATER CLOSETS WITH
CARRIERS SHALL BE 2" UNLESS OTHERWISE NOTED.

ALL VENT PIPING SERVING INDIVIDUAL FIXTURES, OTHER THAN
WATER CLOSETS WITH CARRIERS, SHALL BE 1 1/2" UNLESS
OTHERWISE NOTED.



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Project Title:

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Documents**

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Sheet Title:

**TOILET / DOG
WASH SHELTER
ISOMETRIC -
SANITARY DWV**

Sheet Number:

P2.0A

A
B
C
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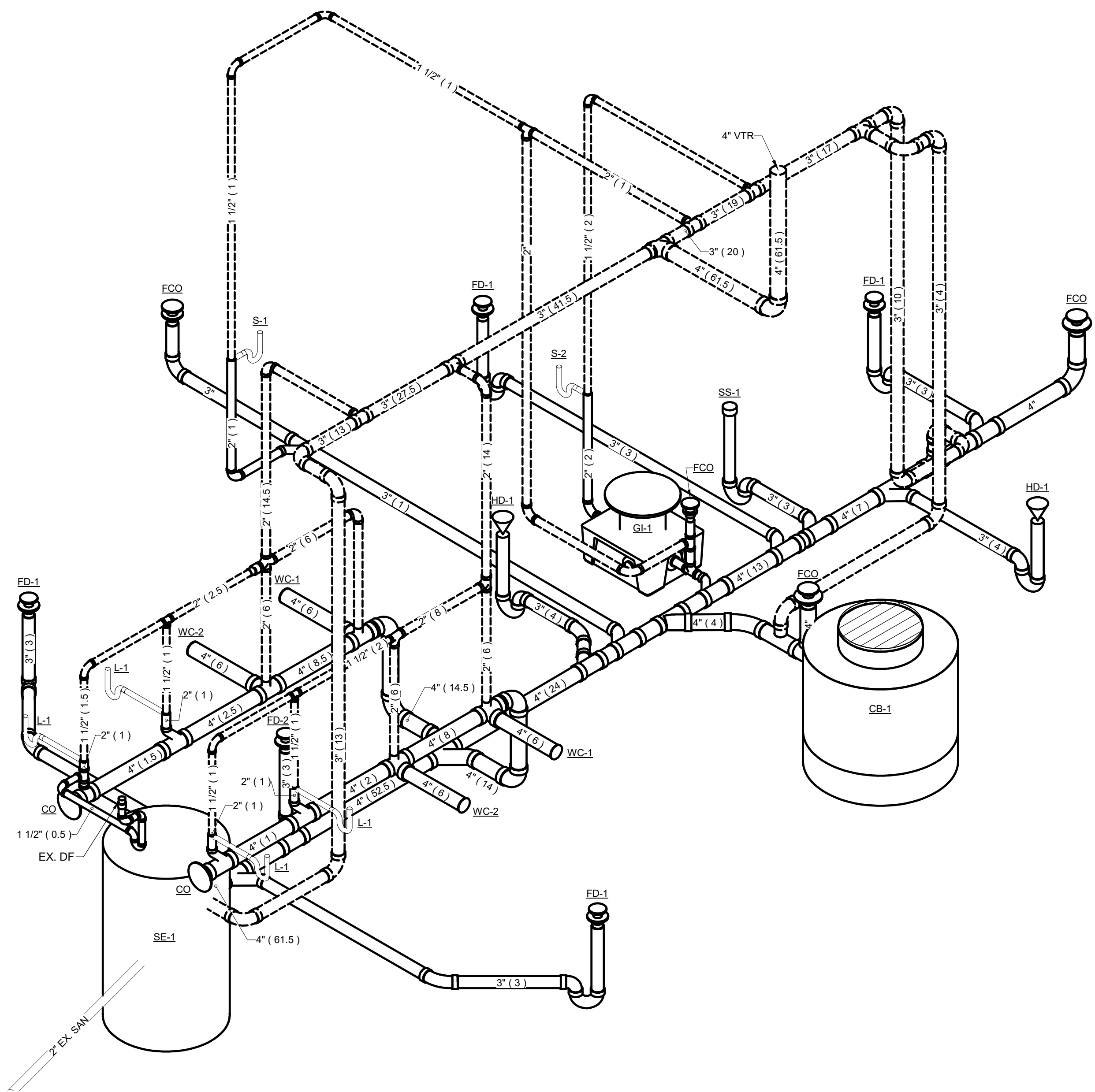
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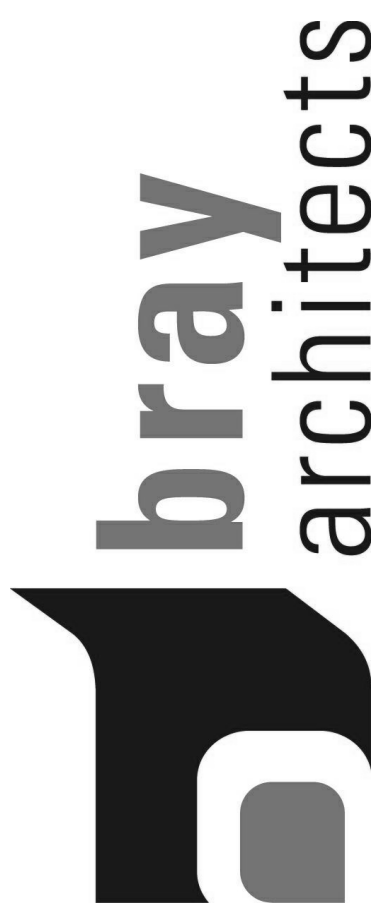


PAVILION ADDITION SANITARY DWV ISOMETRICS
NTS

SANITARY ISOMETRIC NOTES
SEE FOUNDATION / FLOOR PLANS AND PLUMBING FIXTURE UNIT
TABLE ON SHEET P20.0 FOR DRAIN/WASTE BRANCH PIPE SIZE TO
FIXTURE.

ALL VENT PIPING SERVING INDIVIDUAL WATER CLOSETS WITH
CARRIERS SHALL BE 2" UNLESS OTHERWISE NOTED.

ALL VENT PIPING SERVING INDIVIDUAL FIXTURES, OTHER THAN
WATER CLOSETS WITH CARRIERS, SHALL BE 1 1/2" UNLESS
OTHERWISE NOTED.



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**McFarland Park Facility Projects
Village of McFarland
McFarland, WI**

REVISIONS:		
DATE	DESCRIPTION	

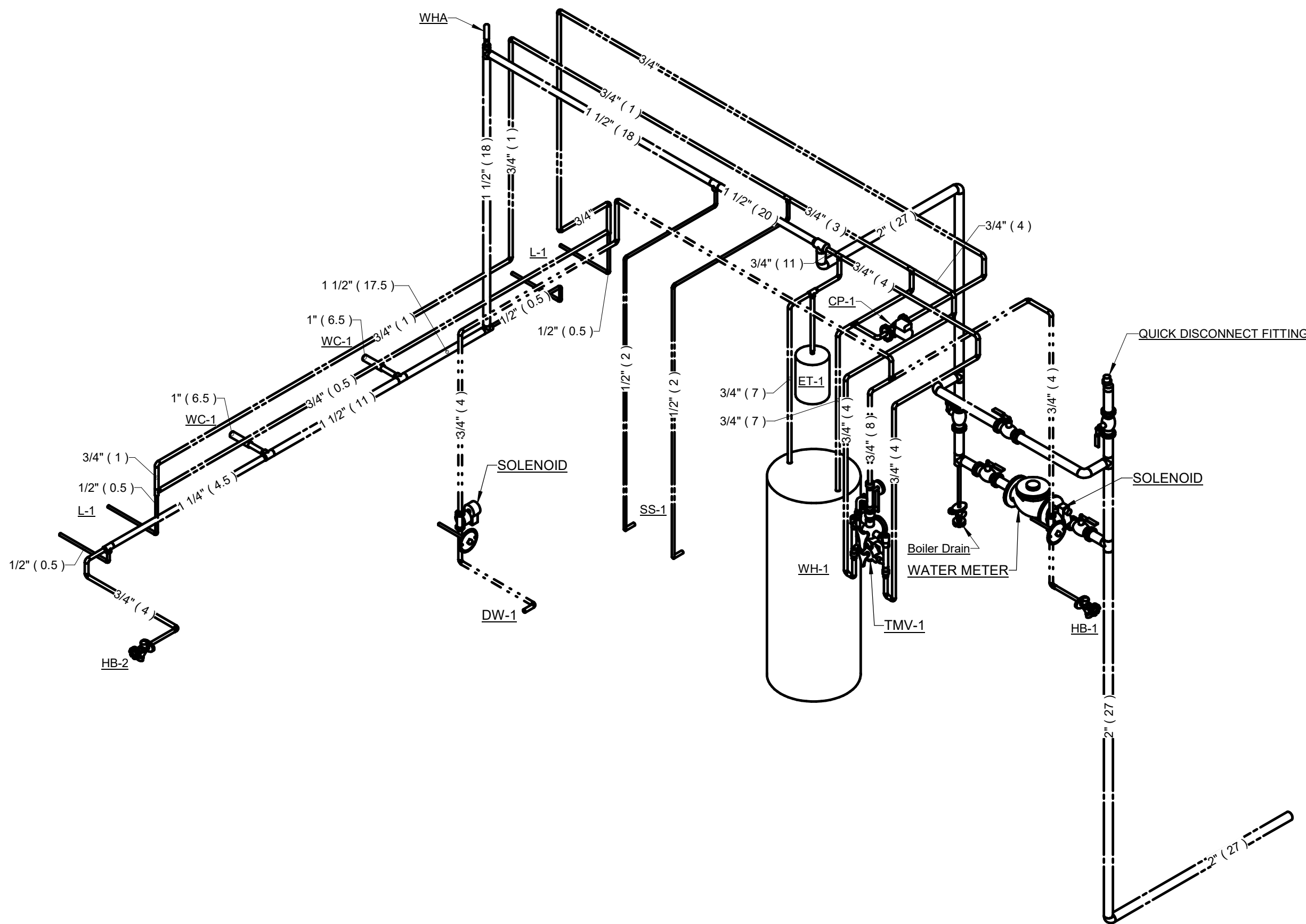
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Construction Documents
Issued to Bid 06/05/2020

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ADDITION
ISOMETRIC -
SANITARY DWV**

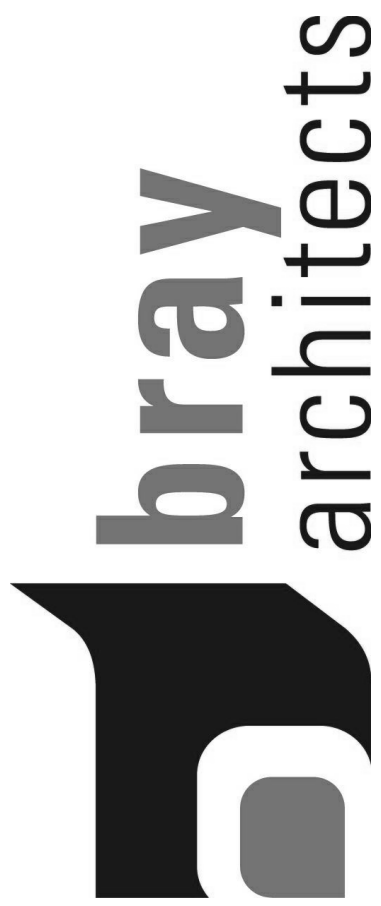
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TOILET / PET WASH SHELTER DOMESTIC WATER ISOMETRICS
NTS

WATER ISOMETRIC NOTES
SEE FOUNDATION / FLOOR PLANS AND PLUMBING FIXTURE UNIT
TABLE ON SHEET P0.0 FOR WATER BRANCH PIPE SIZE TO FIXTURE.
PROVIDE WATER HAMMER ARRESTORS ON ALL INDIVIDUAL FLUSH
VALVES OR BANK OF FLUSH VALVES.



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Sheboygan, Wisconsin 53082
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Project Title:
McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:		
DATE	DESCRIPTION	

Project Number:
3491

Issued For:
Construction Documents
Issued to Bid 06/05/2020

Sheet Title:
TOILET / DOG WASH SHELTER ISOMETRIC - DOMESTIC WATER

Sheet Number:
P2.1A

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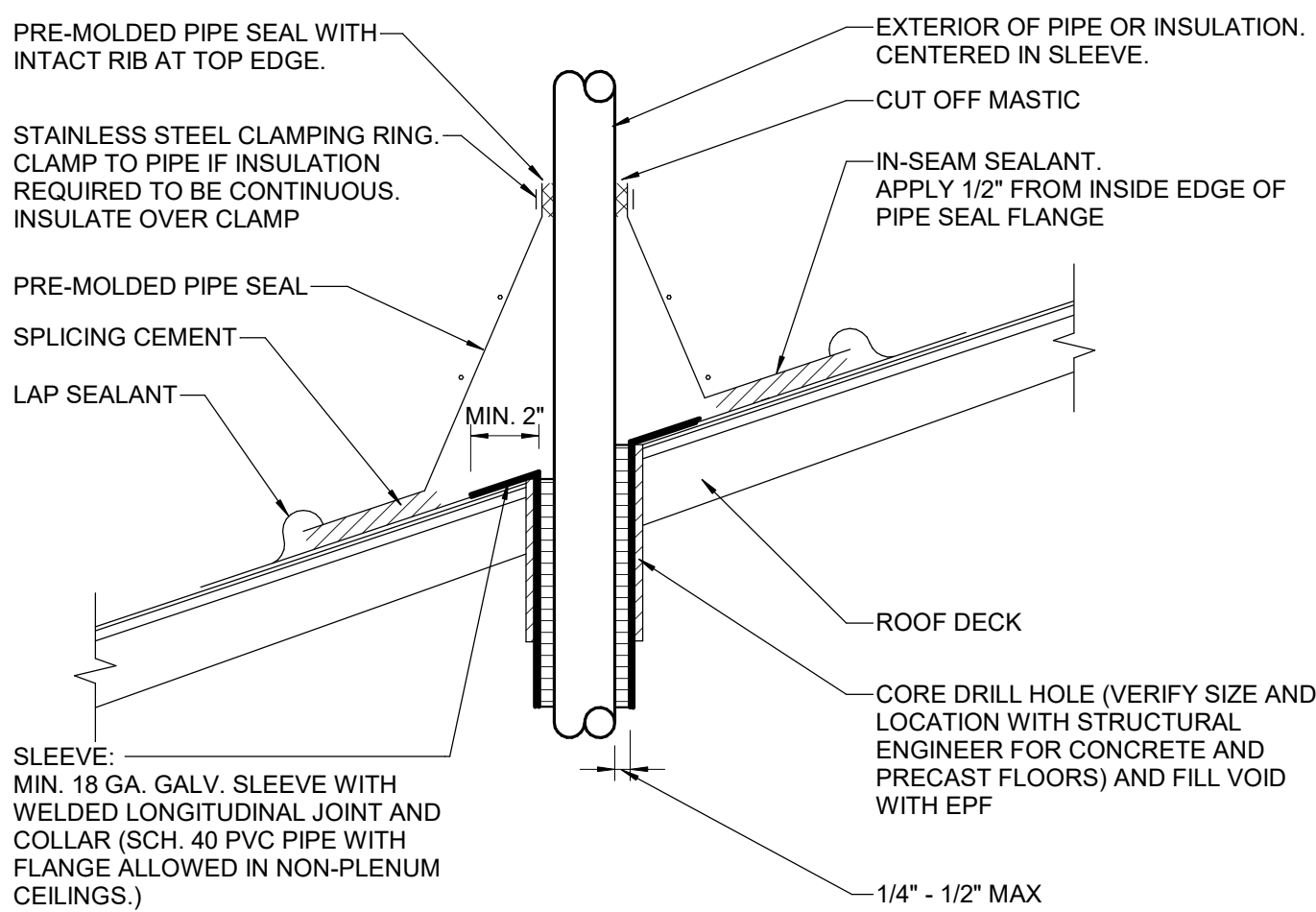
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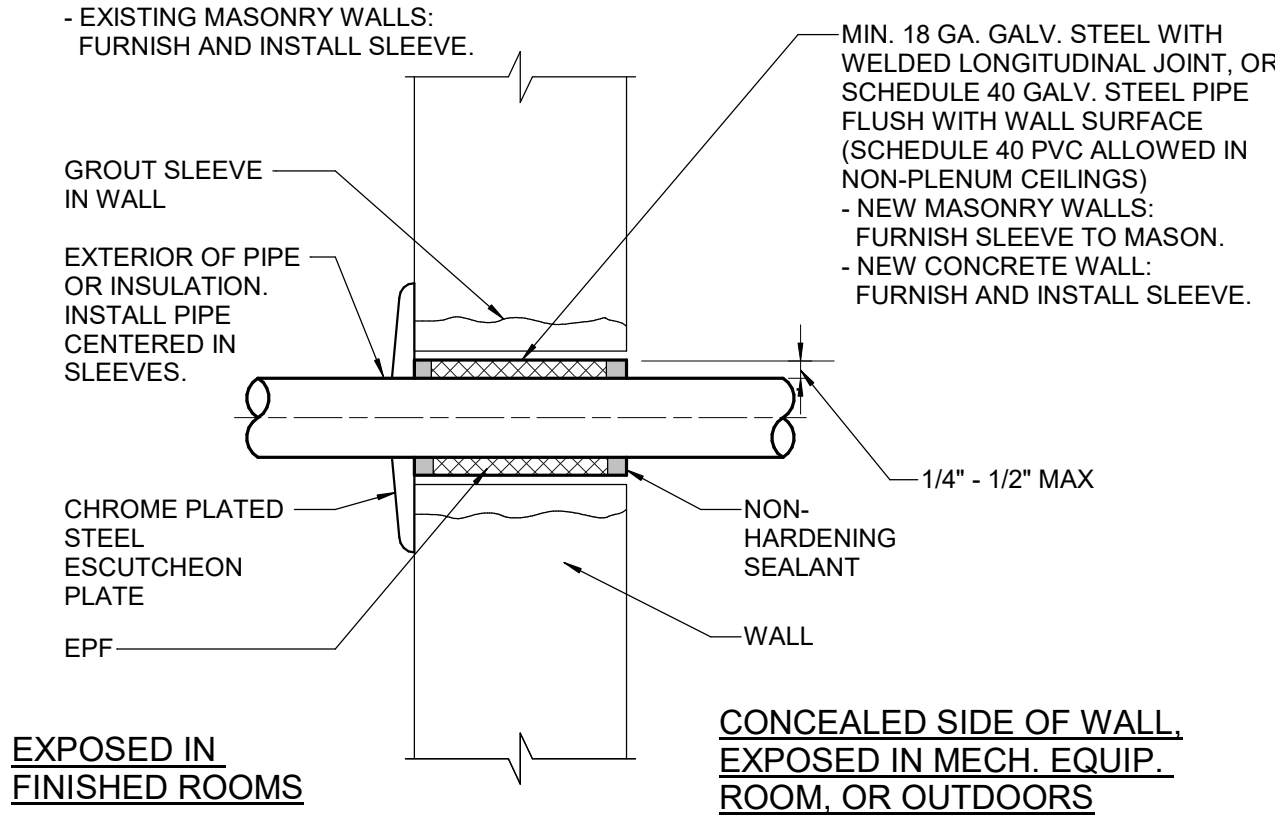
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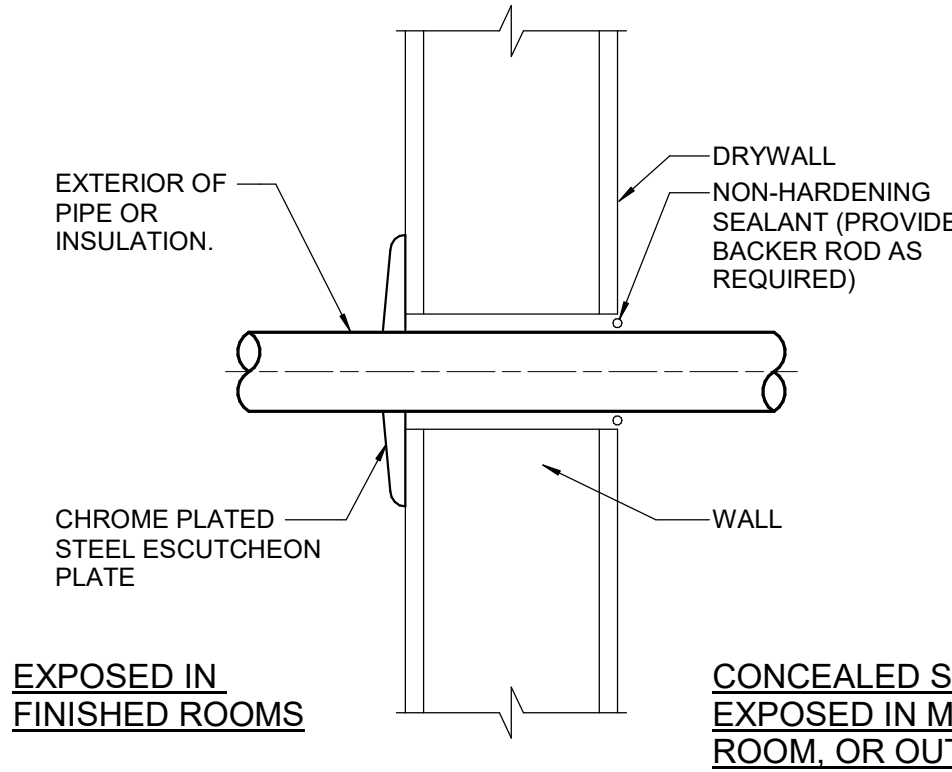
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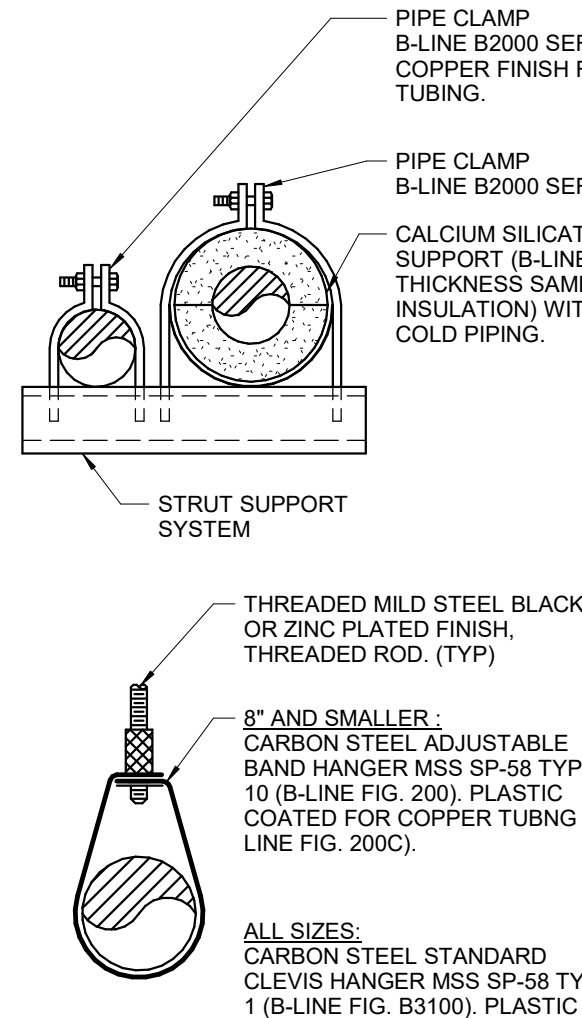
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P3.0
PIPE PENETRATION DETAILS
SCALE: NTS



3
P3.0
PIPE PENETRATION THRU MASONRY OR CONCRETE WALL
SCALE: NTS



4
P3.0
PIPE PENETRATION THRU STUD WALL
SCALE: NTS



5
P3.0
PIPE HANGER, SUPPORT AND INSULATION DETAILS
SCALE: NTS

MAX. SPACING BETWEEN PIPE SUPPORTS AND MIN. HANGER ROD SIZES											
PIPE SIZE	STEEL			COPPER			PVC			CAST IRON	
	WATER	GAS	MIN. ROD	WATER	GAS	MIN. ROD	WATER	GAS	MIN. ROD	WATER	GAS
1/2"	7'	8'	3/8"	6'	6'	3/8"	4'	3'	3/8"	5'	3/8"
3/4"	7'	8'	3/8"	6'	6'	3/8"	4'	3'	3/8"	5'	3/8"
1"	7'	8'	3/8"	6'	6'	3/8"	4'	3'	3/8"	5'	3/8"
1 1/4"	7'	8'	3/8"	6'	6'	3/8"	4'	3'	3/8"	5'	3/8"
1 1/2"	8'	9'	3/8"	7'	7'	3/8"	4'	3'	3/8"	5'	3/8"
2"	10'	12'	3/8"	8'	8'	3/8"	4'	3'	3/8"	5'	3/8"
2 1/2"	11'	12'	3/8"	9'	12'	3/8"	4'	3'	3/8"	5'	3/8"
3"	12'	12'	3/8"	10'	12'	3/8"	4'	3'	3/8"	5'	3/8"
4"	12'	12'	3/8"	12'	12'	3/8"	4'	3'	3/8"	5'	3/8"
6"	12'	12'	3/8"	12'	12'	3/8"	4'	3'	3/8"	5'	3/8"
8"	12'	12'	1/2"	-	-	-	4'	3'	-	5'	3/8"
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84"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
96"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
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120"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
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2064"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
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2376"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2400"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2424"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2448"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2472"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2496"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2520"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2544"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2568"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2592"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2616"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2640"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2664"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2688"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2712"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2736"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2760"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2784"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2808"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2832"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2856"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2880"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2904"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2928"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2952"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
2976"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
3000"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
3024"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
3048"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/8"
3072"	12'	12'	3/4"	-	-	-	4'	3'	-	5'	3/

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CIRCULATING PUMP SCHEDULE (CP)													
TAG	MANUFACTURER	MODEL	LOCATION	APPLICATION	FLUID TEMP F	GPM	HEAD (FT)	RPM	MOTOR H.P.	VOLTS / PHASE	FULL AMPS.	TYPE	NOTES
1	B&G	NBF-25	A100	DOMESTIC HOT WATER	125	3	10	2950	125 WATT	115/1	1.10	IN-LINE	(1)(2)
2	B&G	NBF-25	B104	DOMESTIC HOT WATER	125	3	10	2950	125 WATT	115/1	1.10	IN-LINE	(1)(2)

- ACCEPTABLE MANUFACTURERS: B & G, GRUNDFOS, ARMSTRONG, TACO.
- SEE MOTOR SPECIFICATIONS FOR MOTOR REQUIREMENTS.
- LEAD FREE BRONZE BODY.
- (1) PROVIDE INLINE AQUASTAT TO SHUT OFF PUMP AT A 10 DELTA T TEMPURTURE DROP OF SUPPLY OUTLET TEMPURTURE.
- (2) PROVIDE BALANCING VALVE UP STREAM OF PUMP TO CONTROL PUMP FLOW.

CLEANOUT SCHEDULE									
TAG	MANUFACTURER	MODEL	TYPE	APPLICATION	OUTLET SIZES	BODY MATERIAL	ACCESS COVER SIZE	ACCESS COVER MATERIAL	NOTES
CO	-	-	-	ABV. CLGS & EXPOSED PIPE	2" - 6"	PVC	-	-	(1)
FCO	ZURN	Z14008	FLOOR	PEDESTRIAN TRAFFIC AREAS	2" - 6"	CAST IRON	7" DIA	NICKLE BRONZE	(1)

- ACCEPTABLE MANUFACTURERS: J.R. SMITH, WATTS, ZURN.
- RECESSED TAPER THREAD PLUG WITH SLOTTED RECESS.
- (1) PROVIDE THREADED FEMALE ADAPTER WITH INTERNAL PLUG. ADAPTER MATERIAL SHALL MATCH PIPE MATERIAL TO WHICH CO IS BEING CONNECTED.

DOG WASH TUB SCHEDULE (DW)											
TAG	ADA	MANUFACTURER	MODEL	SIZE L x W x D	DRAIN TYPE	ENTRY SYSTEM	CONSTRUCTION	TRIM	TRAY	FINISH	NOTES
1	-	ELITE PET WASH STA.	PW7301	60" x 24.5" x 58"	GRID	SS NON-SLIP STAIR	(1)	(2)	SS	GRAY	(3)

- (1) FULLY WELDED 18 GAGE STAINLESS STEEL TUB, TRI-LOCK RESTRAINT SYSTEM
- (2) PROVIDE INCLUDED PLUMBING KIT INCLUDING SPRAY HEAD W/ HOLD DOWN LEVER, HEAVY DUTY COILED HOSE, DRAIN/HAIR TRAP, SS SPRAY HEAD HOLDER, RAISED HDPE FLOOR GRATE.
- (3) PROVIDE BRADLEY TOUCHTIME ELECTRONIC CONTROL (SHOWER APPLICATION), PIEZO SWITCH (TTPB), SOLENOID VALVE (SLOW CLOSING ANTI-HAMMER), AND POWER ADAPTER.

TAG	MANUFACTURER	MODEL	TYPE	APPLICATION	OUTLET SIZES	BODY MATERIAL	STRAINER TOP SIZE	STRAINER TOP MATERIAL	RIM HGT. A.F.F.	NOTES
FD-1	ZURN	Z415-B	FLOOR	PEDESTRIAN TRAFFIC AREAS	2" - 4"	CAST IRON	7" DIA	NICKLE BRONZE	-1/2"	(1)(2)
FD-2	ZURN	Z507	FLOOR	MECH. RM. JANITOR CLT.	2" - 4"	CAST IRON	7" DIA	CAST IRON	-1/2"	(1)(2)
HD-1	ZURN	Z328	RECEPTOR	INDIRECT WASTE	2" - 4"	CAST IRON	4" DIA	NICKLE BRONZE	3 3/4"	-
CB-1	NEENAH	R-2540	FLOOR	VEHICLE TRAFFIC AREAS	4" - 12"	CAST IRON	24"	CAST IRON	1"	(3)

- ACCEPTABLE MANUFACTURERS: J.R. SMITH, WATTS, ZURN.
- (1) PROVIDE FLASHING CLAMP FOR FLOORS WITH BUILDING STRUCTURE BELOW. SEE ARCHITECTURAL PLANS FOR LOCATIONS.
- (2) PROVIDE TRAPSEAL - RECTORSEAL SURE SEAL
- (3) SEE DETAIL FOR MORE INFORMATION TO DETERMINE SIZE, MATERIAL AND OTHER BASIN REQUIREMENTS.

TAG	MANUFACTURER	MODEL	LOCATION	TYPE	SIZE DIA	VOLTS / PHASE	ELEMENT NO. / WATTS	REC. (1) GPH	TANK SIZE GAL.	MAX. PSIG	T&P PSIG	LINING TYPE	TANK TEMP DEG. F	NOTES
1	BRADFORD WHITE	LE140L3-3	A100	TANK	22"	240/1	2/2500	11	40	300	150	GLASS	120	(1)
2	BRADFORD WHITE	LE140L3-3	B104	TANK	22"	240/1	2/2500	11	40	300	150	GLASS	120	(1)

- ACCEPTABLE MANUFACTURERS: A.O. SMITH, BRADFORD WHITE, HTP, LOCHINVAR.
- (1) ELEMENTS WIRED FOR NON-SIMULTANEOUS OPERATION.

TAG	MANUFACTURER	MODEL	MOUNTING	TANK TYPE	CONN. SIZE	TANK CAPACITY GALLONS	ACCEPT. CAPACITY GALLONS	PRECHARGE PSIG	WORKING PSIG	DIA. INCHES	HEIGHT INCHES	WEIGHT POUNDS	NOTES
1	AMTROL	ST-5C	PIPE	DIAPHRAGM	3/4"	2.1	1.0	(1)	150	10	10	14	(1)

- ACCEPTABLE MANUFACTURERS: FLEXCON, AMTROL, WESSELS.
- (1) SET TO STATIC PRESSURE AT STREET OR SYSTEM IF HIGHER. SEE WATER CALCULATION FOR MORE INFORMATION.

TAG	MANUFACTURER	MODEL	LOCATION	SIZE	FLOW RATE (GPM)	GREASE CAPACITY (LBS.)	SOLIDS CAPACITY (GALLONS)	LIQUID CAPACITY (GALLONS)	INLET & OUTLET SIZE	NOTES
1	SCHIER	GB-3	B104	37" x 28" x 21"	15	272.7	19	40	4"	-

- ACCEPTABLE MANUFACTURERS: J.R. SMITH, SCHIER, WATTS, ZURN.
- FULLY RECESSED INTERCEPTORS TOPS FLUSH WITH FLOOR, PROVIDE EXTENSIONS AS REQUIRED AND ANCHOR FLANGE.
- HIGH DENSITY POLYETHYLENE BODY.

TAG	MANUFACTURER	MODEL	LOCATION	FREEZE PROOF	BACKFLOW PREVENTER	WALL FLANGE	CONTROL	WATER SUPPLY	NOTES
1	WOODFORD	67	EXTERIOR	YES	INTEGRAL ASSE 1052	YES	LOOSE KEY	TEMPERED	(1)(2)
2	WOODFORD	67	EXTERIOR	YES	INTEGRAL ASSE 1052	YES	LOOSE KEY	COLD WATER	(1)(2)

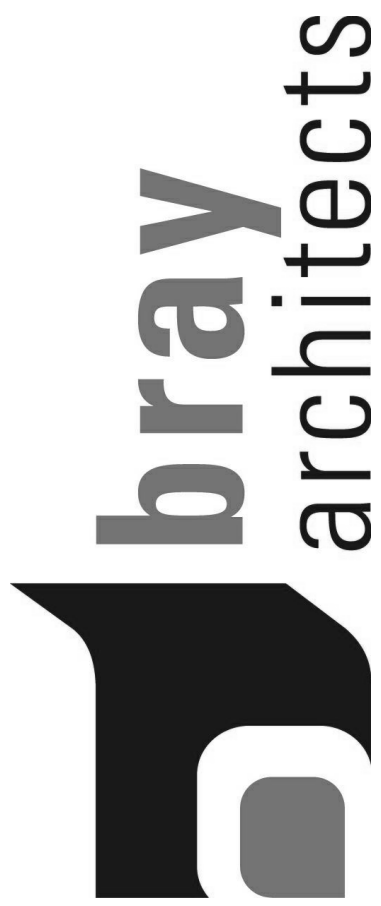
- ACCEPTABLE MANUFACTURERS: CHICAGO, WATTS, WOODFORD, ZURN.
- (1) PROVIDE BRADLEY TOUCHTIME ELECTRONIC CONTROL (SHOWER APPLICATION), PIEZO SWITCH (TTPB), SOLENOID VALVE (SLOW CLOSING ANTI-HAMMER), AND POWER ADAPTER.
- (2) PROVIDE PET WAND PRO PPR-252, 8FT HOSE, HOSE ADAPTER, WALL HOOK, MAKE HOSE CONNECTIONS VANDAL RESISTANT.

LAVATORY SCHEDULE (L)																				
TAG	ADA (1)	MANUFACTURER	MODEL	MOUNTING	BASIN				CARRIER	MANUFACTURER	MODEL	FAUCET				OPERATION TYPE	FINISH	TEMP. DEG. F	SUPPLY STOP TYPE	NOTES
					SIZE L x W x D	DRAIN TYPE	NO. OF HOLES	CENTER OF HOLES				SPOUT REACH	SPOUT HEIGHT	GPM FLOW RATE						
1	YES	KOHLER	K-2005	WALL	21-1/4" x 18-1/8" x 7-1/4"	GRID	3	4"	YES	SLOAN	EAF150BATISMCPLMRIFCT	5-9/16"	6-7/8"	0.5	SENSOR	CHROME	105	KEY	(1)(2)	

- ACCEPTABLE MANUFACTURERS:
 - BASIN: AMERICAN STANDARD, KOHLER, SLOAN.
 - FAUCETS: CHICAGO, SLOAN, T&S BRASS.
 - STOPS AND SUPPLIES: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.
 - DRAINS AND TRAPS: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.
 - CARRIERS AND SUPPORTS: ANCON, JOSAM, SMITH, WADE, ZURN.
- VITREOUS CHINA LAVS, 1-1/4" 17 GAUGE "P" TRAP WITH CLEANOUT PLUG, BUSHING ON END OF OUTLET TUBE, WALL FLANGE.
- ALL WETTED PARTS SHALL BE LEAD FREE COMPLIANT.
- WALL MOUNT LAVTORY WITH BACKSPASH.
- FAUCETS WITH VANDAL RESISTANT AERATOR.
- (1) PROVIDE OFFSET GRID DRAIN WITH TRUEBRO TRAP & SUPPLY GUARD FOR ADA ACCESSIBLE LAVATORY. SEE ARCHITECTURAL PLANS FOR LOCATIONS.
- (2) BATTERY POWERED. ABOVE DECK INTERGRATED SIDE MIXING VALVE.

TAG	MANUFACTURER	MODEL	LOCATION	GPM	SIZE	VALVE PSIG LOSS	OUTLET PSIG SETTING	OPERATING TEMP.	MAX. PSIG	MAX. TEMP.	TYPE	APPLICATION	ASSE	NOTES
1	ZURN	500XL	B102	43.0	1-1/2"	7	(2)	70	140	300	DIRECT	WATER DISTRIBUTION	1003	(1)(3)(4)

- ACCEPTABLE MANUFACTURERS: APOLLO, WATTS, ZURN/WILKINS.
- (1) LEAD FREE BODY.
- (2) SEE PROJECT'S WATER CALCULATIONS.
- (3) PROVIDE WYE STRAINER.
- (4) PROVIDE PRESAGE GAUGE.



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Project Title:

McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:

DATE DESCRIPTION

Project Number:

3491

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SANITARY EJECTOR SCHEDULE (SE)															
TAG	LOCATION	BASIN			COVER			PUMP							NOTES
		MANUFACTURER	MATERIAL TYPE	SIZE	MANUFACTURER	MODEL	TYPE	MANUFACTURER	MODEL	MATERIAL TYPE	TYPE	QTY.	GPM EACH	TOTAL HEAD	
1	B102	TOPP	FIBERGLASS	(1)	TOPP	STEEL	STEEL (2)	LIBERTY	LSGX200 (230V/1PH)	CAST IRON	GRINDER	2	39	50	2 (3)(4)(5)

- ACCEPTABLE MANUFACTURERS:
-BASIN: TOPP INDUSTRIES, AK INDUSTRIES, WEIL.
-COVER: TOPP INDUSTRIES, AK INDUSTRIES, WEIL.
-PUMP: LIBERTY, ZOELLER, WEIL, LITTLE GIANT.
- PROVIDE "LIBERTY" BCV SERIES COMBINATION BALL/CHECK VALVE FOR PUMP DISCHARGE.
(1) SEE DETAIL FOR BASIN SIZE AND CONTROL LEVEL DIMENSIONS.
(2) PROVIDE DUPLEX COVER WITH INSPECTION PLATE, COVER PLATE, DISCHARGE/VENT FLANGES AND CORD GROMMETS.
(3) PROVIDE DUPLEX CONTROLLER, CONTROL FLOAT SWITCHES, ALARM LIGHT
(4) PROVIDE PUMP SLIDE RAILS.
(5) SEE DETAIL FOR BASIN SIZE AND CONTROL LEVEL DIMENSIONS AND SPECIFICATION FOR MORE INFORMATION.

SERVICE SINK SCHEDULE (SS)												
TAG	MOUNTING	BASIN						FAUCET				
		MANUFACTURER	MODEL	MATERIAL TYPE	SIZE L/H x W x D	SHAPE	RIM GUARD	MANUFACTURER	MODEL	BACKFLOW PREVENTER	GPM	NOTES
1	FLOOR	MUSTEE	63M	DURASTONE	24" x 24" x 10"	SQUARE	(1)	CHICAGO	305-RCP		5	(3)

- ACCEPTABLE MANUFACTURERS:
-BASIN: FIAT, MUSTEE, STERN WILLIAMS.
-FAUCET: CHICAGO, T&S BRASS, ZURN.
(1) BUMPER GUARDS ON EXPOSED RIMS.
(2) VACUUM BREAKERS SHALL COMPLY WITH ASSE 1011.
(3) PROVIDE STAINLESS STEEL 3 MOP HOLDER HANGER, HEAVY DUTY 5/8" DIAMETER REINFORCED RUBBER HOSE, AND STAINLESS STEEL HOSE BRACKET.

SINK SCHEDULE (S)																		
TAG	ADA (1)	MANUFACTURER	MODEL	NO. OF COMP.	BASIN			DRAIN TYPE	MANUFACTURER	MODEL	FAUCET				HANDLE	FINISH	SUPPLY STOP TYPE	NOTES
					MOUNTING	SIZE L x W x D					FAUCET QTY.	SPOUT REACH	SPOUT HEIGHT	GPM				
1	YES	JUST	A-544-912	1	WALL-MOUNT	16" x 15" x 6"		BASKET	CHICAGO	631-ABCP	1	3-1/2"	5-7/8"	2.2	WRIST BL.	CHROME	KEY	(1)
2	YES	JUST	DL-ADA-2249-A-GR	2	TOP-MOUNT	49" x 22" x 6-1/2"		BASKET	CHICAGO	1100-GN8AE35-317AB	1	8"	8"	1.5	WRIST BL.	CHROME	KEY	(1)

- ACCEPTABLE MANUFACTURERS:
-BASIN: ADVANCE TABCO, JUST, ELKAY.
-FAUCETS: CHICAGO, T&S BRASS, ZURN.
-STOPS AND SUPPLIES: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.
-DRAINS AND TRAPS: BRASSCRAFT, DEARBORN, KEENEY, MCGUIRE.
- MATERIAL: 18 GAUGE 304 STAINLESS STEEL SINK, ANGLE SUPPLIES WITH STOPS WITH BRASS STEMS.
- PROVIDE EACH COMPARTMENT WITH STAINLESS STEEL BASKET TYPE STRAINER, STAINLESS STEEL TAILPIECE, AND 1-1/2" 17 GAUGE "P" TRAP W/ CLEANOUT.
- VERIFY SINK CUTOUT SIZE WILL FIT IN COUNTERTOP WITH CABINET SHOP DRAWINGS PRIOR TO ORDERING.
(1) PROVIDE OFFSET GRID DRAIN WITH TRUEBRO TRAP & SUPPLY GUARD FOR ADA ACCESSIBLE SINK. SEE ARCHITECTURAL PLANS FOR LOCATIONS.

SOLID INTERCEPTOR SCHEDULE (SI)										
TAG	MANUFACTURER	MODEL	LOCATION	TYPE	SIZE	GPM	SOLIDS CAPACITY (GALS)	LIQUID CAPACITY (GALS)	INLET & OUTLET SIZE	NOTES
1	STRIEM	AA-M	A100		33" x 25" x 25"	50	6	7-Feb	3"	(1)

- ACCEPTABLE MANUFACTURERS: STRIEM, SPEARS, ZURN.
- HIGH DENSITY POLYETHYLENE BODY.
(1) HIGH DENSITY POLYETHYLENE BODY WITH 304 STAINLESS STEEL SCREEN REMOVABLE SEDIMENT BUCKET.

THERMOSTATIC MIXING VALVE SCHEDULE (TMV)													
TAG	MANUFACTURER	MODEL	APPLICATION	INLETS	OUTLET	MAX. FLOW GPM	MAX LOSS PSIG	MIN. FLOW GPM	MIN. LOSS PSIG	TEMP. RANGE DEG. F	TEMP. SETTING DEG. F	NOTE	
1	LEONARD	TM-2020B-LF-DT	MASTER	2"	2"	226	50	1	5	120-150	110	(1)	

- ACCEPTABLE MANUFACTURERS: ZURN, SYMMONS, WATTS, LEONARD.
- LEAD FREE BODY, REMOVABLE CARTRIDGE WITH STRAINER, STAINLESS STEEL SPRING, EPDM O-RINGS AND SOLID WAX THERMOSTAT ASSEMBLY.
- P.C. SHALL FIELD ADJUST TMV TO TEMPERATURE SETTING INDICATED IN SCHEDULE.
(1) HOT WATER DISTRIBUTION SYSTEM THERMOSTATIC MIXING VALVE SHALL COMPLY WITH ASSE 1017, 1069 AND 1070.

WATER CLOSET SCHEDULE (WC)																		
TAG	ADA (1)	BOWL				TANK				FLUSH VALVE				MIN. PRESS. PSIG	SEAT		NOTES	
		MANUFACTURER	MODEL	MOUNTING	RIM HT. A.F.F.	CARRIER	TYPE	GAL. PER FLUSH	SUPPLY STOP TYPE	MANUFACTURER	MODEL	GAL. PER FLUSH	OPERATION TYPE		MANUFACTURER	MODEL		
1	YES	KOHLER	K-4325	WALL	17"	YES	-	-	-	SLOAN	G2-8111	1.6	SENSOR	25	BEMIS	1655SSCT	(2)	
2	-	KOHLER	K-4325	WALL	15"	YES	-	-	-	SLOAN	G2-8111	1.6	SENSOR	25	BEMIS	1655SSCT	(2)	

- ACCEPTABLE MANUFACTURERS:
-BOWL: AMERICAN STANDARD, KOHLER, SLOAN.
-FLUSH VALVE: DELANY, KOHLER, SLOAN, ZURN.
-SEAT: BEMIS, CHURCH.
-CARRIER AND SUPPORT: J.R. SMITH, WADE, ZURN.
- VITEROUS CHINA, WATER SAVING, MINIMUM 2 - 1/8" GLAZED TRAPWAY, SIPHON JET ELONGATED BOWL WITH WHITE SOLID PLASTIC OPEN FRONT SEAT WITH SELF-SUSTAINING CHECK HINGE.
- CONTROLS FOR ADA ACCESSIBLE FIXTURES SHALL BE ON THE OPEN SIDE.
(1) SEE ARCHITECTURAL PLANS FOR LOCATIONS.
(2) BATTERY POWERED.

Project Title:

McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:

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UNIT NO.	SERVICE	NOM. WIDTH (IN.)	NOM. HEIGHT (IN.)	CFM	MAX FREE AREA VELOCITY (FPM)	MANUF. MODEL
L-1	CE-1	12	12	100	1,000	RUSKIN ELF6375DX
L-2	CE-3	48	12	250	1,000	RUSKIN ELF6375DX
L-3	CE-4	48	12	250	1,000	RUSKIN ELF6375DX

UNIT NO.	SERVICE	CFM OF STD. AIR	FAN DIA	MOTOR WATTS	SOLID STATE SPEED CONTROLLER	BLADE HEIGHT A.F.F.	MANUF. MODEL
DS-1	CONCESSIONS B105	21,000	4' - 0"	86 W	YES	8' - 0"	LEADING EDGE 4820-1

UNIT NO.	SERVICE	NECK SIZE	ROUND CONN. SIZE	VOLUME DAMPER LOCATION	TRANSFER DUCT SIZE	AIR PATTERN	MANUF. MODEL
TG-1	SIDEWALL TRANSFER GRILLE	12x6	-	-	-	45°	PRICE 530
TG-2	SIDEWALL TRANSFER GRILLE	12x10	-	-	-	45°	PRICE 530
TG-3	SIDEWALL TRANSFER GRILLE	48x10	-	-	-	45°	PRICE 530

UNIT NO.	SERVICE	TYPE	CAP. KW		CFM		AMPS	RECESS	MANUF. MODEL
			HI	LOW	HI	LOW			
ECH-1	CONCESSIONS B105	C	5 W	3 W	250	200	22 A	0' - 0"	QMARK CU935
ECH-2	CONCESSIONS B105	C	5 W	3 W	250	200	22 A	0' - 0"	QMARK CU935
ECH-3	STORAGE B104	C	3 W	2 W	250	200	13 A	0' - 0"	QMARK CU935
ECH-4	PLUMBING CHASE B102	C	3 W	2 W	250	200	13 A	0' - 0"	QMARK CU935
ECH-5	MEN'S TOILET B101	C	7 W	5 W	250	200	30 A	0' - 0"	QMARK CU935
ECH-6	WOMEN'S TOILET B103	C	7 W	5 W	250	200	30 A	0' - 0"	QMARK CU935
ECH-7	UNI-SEX TOILET A103	C	7 W	5 W	250	200	30 A	0' - 0"	QMARK CU935
ECH-8	UNI-SEX TOILET A102	C	7 W	5 W	250	200	30 A	0' - 0"	QMARK CU935
ECH-9	STORAGE A100	C	7 W	5 W	250	200	30 A	0' - 0"	QMARK CU935
ECH-10	PET WASH A101	C	7 W	5 W	250	200	30 A	0' - 0"	QMARK CU935

UNIT NO.	SERVICE	CFM OF STD. AIR	TYPE	MAX. SONES	EXT. S.P. IN IN. WATER	MOTOR WATTS	MOTOR RPM	SOLID STATE SPEED CONTROLLER	MANUF. MODEL
CE-1	CONCESSIONS B105	100	CLG.	4	0.5	60 W	1100	YES	COOK GC-186
CE-2	STORAGE B104	100	CLG.	4	0.5	60 W	1100	YES	COOK GC-186
CE-3	MEN'S TOILET B101	250	CLG.	4	0.5	95 W	1600	YES	COOK GC-520
CE-4	WOMEN'S TOILET B103	250	CLG.	4	0.5	95 W	1600	YES	COOK GC-520
CE-5	UNI-SEX TOILET A103	150	CLG.	4	0.33	70 W	1100	YES	COOK GC-186
CE-6	UNI-SEX TOILET A102	150	CLG.	4	0.33	70 W	1100	YES	COOK GC-186
CE-7	STORAGE A100	150	CLG.	4	0.33	70 W	1100	YES	COOK GC-186
CE-8	PET WASH A101	150	CLG.	4	0.33	70 W	1100	YES	COOK GC-186

DESCRIPTI ON	MCA	MOCP	MOTOR HP	VOLTAGE	PHASE	KW	STARTER FURNISHED BY	STARTER INSTALLED BY	STARTER LOCATION	STARTER TYPE	REMARKS
CE-1				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	
CE-2				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	
CE-3				120	1	0.1	HVAC	EC	NEAR UNIT	SP. SW.	
CE-4				120	1	0.1	HVAC	EC	NEAR UNIT	SP. SW.	
CE-5				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	
CE-6				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	
CE-7				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	
CE-8				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	
DS-1				120	1	0.09	HVAC	EC	NEAR UNIT	SP. SW.	
ECH-1				240	1	5	HVAC	HVAC	PRE-WIRED	-	
ECH-2				240	1	5	HVAC	HVAC	PRE-WIRED	-	
ECH-3				240	1	3	HVAC	HVAC	PRE-WIRED	-	
ECH-4				240	1	3	HVAC	HVAC	PRE-WIRED	-	
ECH-5				240	1	7	HVAC	HVAC	PRE-WIRED	-	
ECH-6				240	1	7	HVAC	HVAC	PRE-WIRED	-	
ECH-7				240	1	7	HVAC	HVAC	PRE-WIRED	-	
ECH-8				240	1	7	HVAC	HVAC	PRE-WIRED	-	
ECH-9				240	1	7	HVAC	HVAC	PRE-WIRED	-	
ECH-10				240	1	7	HVAC	HVAC	PRE-WIRED	-	

MOTOR STARTERS

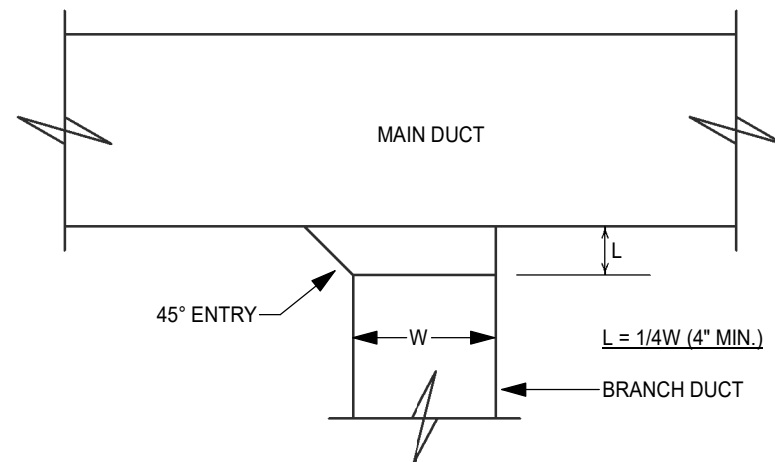
CEILING EXHAUST FANS

ELECTRIC CABINET HEATERS

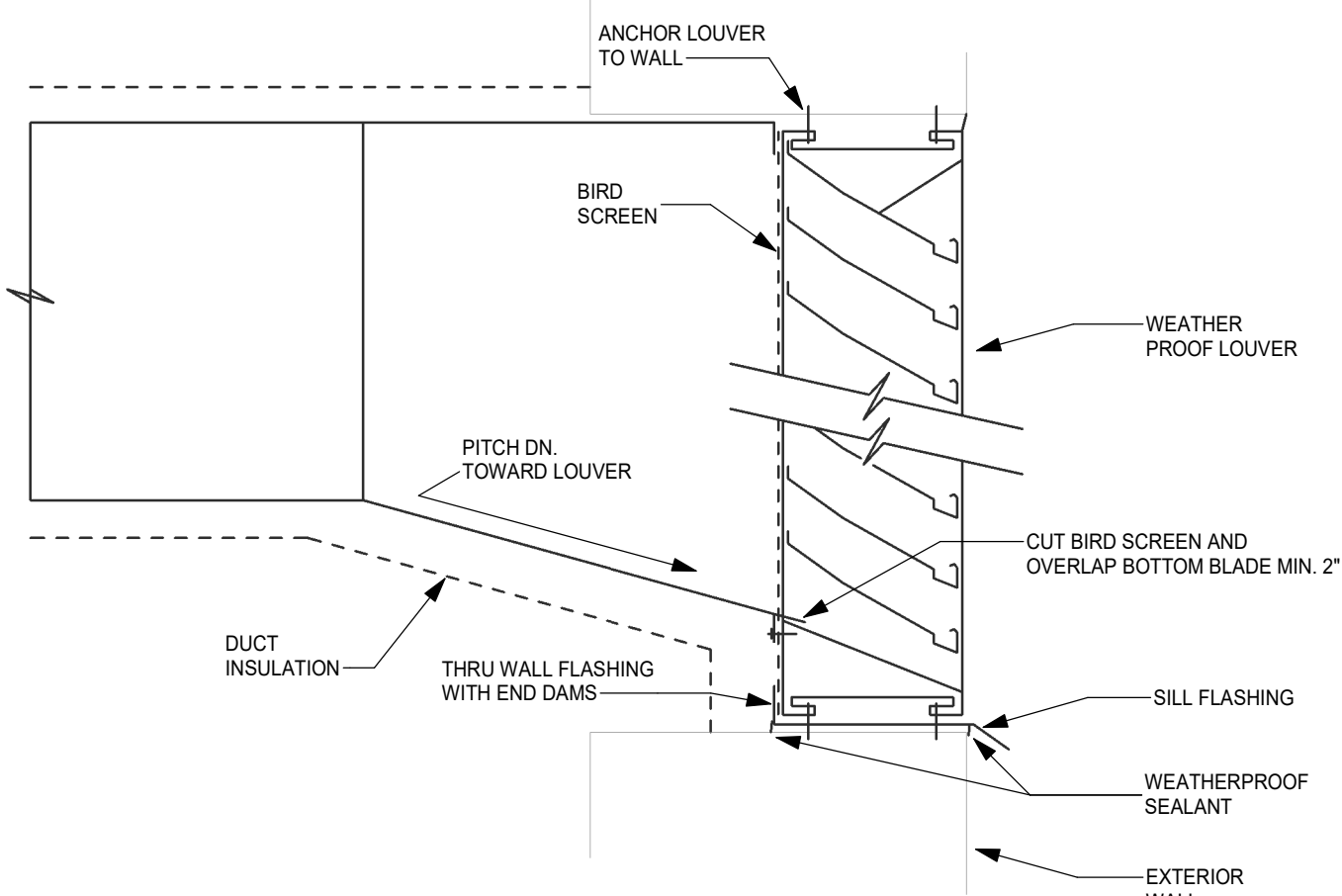
GRILLES AND DIFFUSERS

DESTRATIFICATION FANS

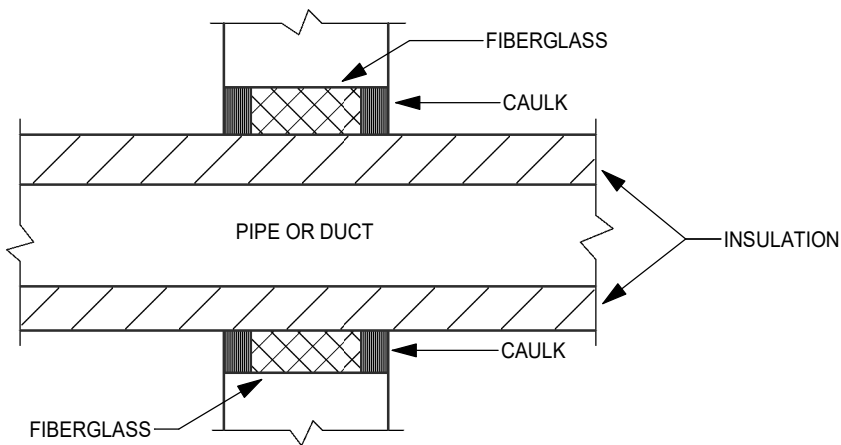
WEATHERPROOF LOUVERS



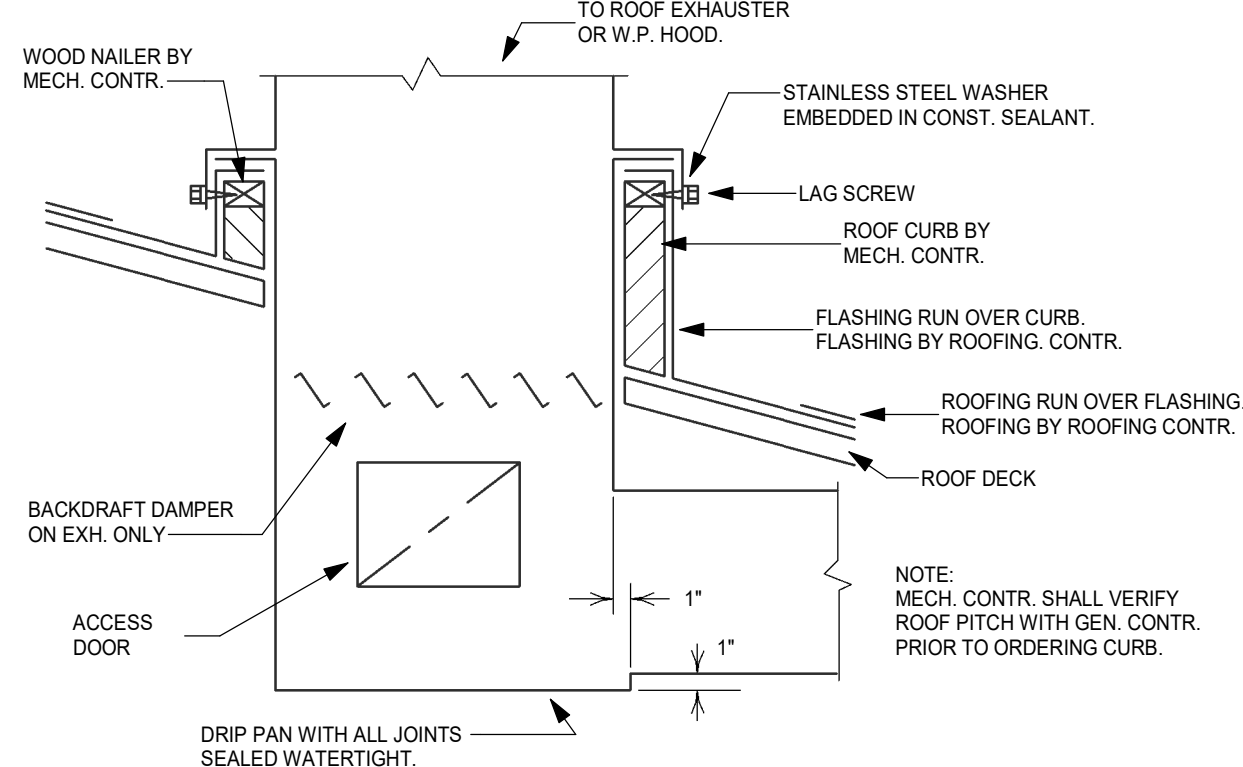
TYPICAL BRANCH CONN.



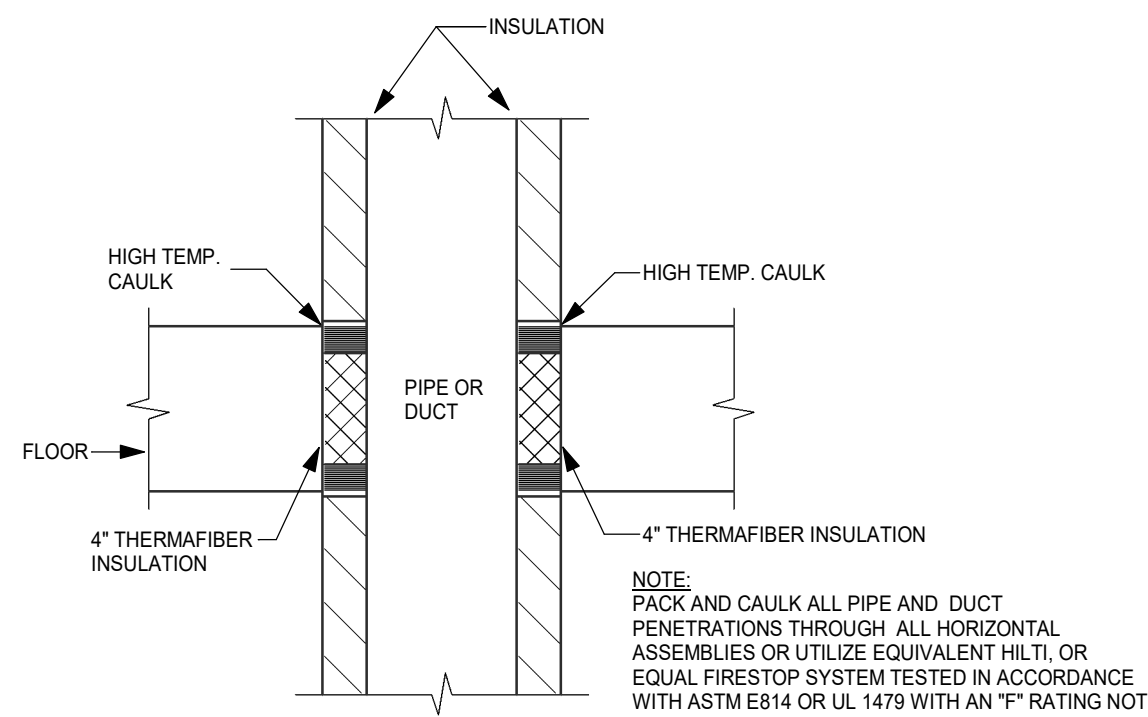
WEATHERPROOF LOUVER



PACK AND CAULK (NON-RATED WALLS)



CONDENSATE DRIP PAN



PACK AND CAULK IN HORIZONTAL ASSEMBLY

GENERAL NOTES:

- THE MECHANICAL CONTRACTOR IS REQUIRED TO VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK AND HE SHALL BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN THE PREPARATION OF HIS BID. LACK OF INFORMATION ON EXISTING CONDITIONS SHALL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.
- ROUTE ALL NEW PIPING AND DUCTWORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING PIPING, CONDUIT, STRUCTURE, LIGHTING, ETC. PROVIDE ALL OFFSETS, ELBOWS, ETC. AS REQUIRED TO CONNECT BETWEEN POINTS INDICATED.
- MECHANICAL CONTRACTOR SHALL VERIFY EXISTING CURRENT CHARACTERISTICS AT JOB SITE PRIOR TO ORDERING EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT OUTLET AND GRILLE LOCATIONS WITH THE FINAL LIGHTING LAYOUT.
- ELECTRICAL, STRUCTURAL, PLUMBING, ETC. REQUIREMENTS FOR THE EQUIPMENT MANUFACTURER LISTED ON THE SCHEDULE IS REFLECTED ON THE DOCUMENTS OF OTHER TRADES. ANY MODIFICATIONS NECESSARY TO ACCOMMODATE A MANUFACTURER OTHER THAN THAT LISTED IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE CONSTRUCTION PHASING WITH THE GENERAL CONTRACTOR AND OWNER. PROVIDE ALL TEMPORARY PIPING, DUCTWORK, VENTILATION, CONTROLS, ETC. AS REQUIRED TO ACCOMMODATE CONSTRUCTION PHASES.
- THE WORK SHOWN ON THESE CONSTRUCTION DRAWINGS IS TO BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS INCLUDED IN DIVISIONS 23 AND 25 OF THE COMPLETE CONTRACT DOCUMENTS.

SYMBOLS

	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
	AUTOMATIC DAMPER WITH ACCESSIBLE DUCT ACCESS DOOR
	ACOUSTICAL INSULATION LINING ON INSIDE OF DUCT. LISTED DIMENSION IS CLEAR INSIDE DIMENSION.
	TURNING VANES
	BRANCH TAKE-OFF
	LOW PRESSURE FLEX. DUCT FITTING WITH MANUAL VOLUME DAMPER
	REMOTE MOUNTED SWITCH

SHEET INDEX		
	FEL JOB No.	20-018
H1.1	SCHEDULES AND DETAILS	
H2.1	HVAC FLOOR PLANS	

Sheet Number:

H1.1

Sheet Title:
SCHEDULES AND DETAILS

Issued to Bid 06/05/2020

Construction Documents

Issued For:

3491

Project Number:

REVISIONS:
DATE DESCRIPTION

Project Title:

McFarland Park Facility Projects
Village of McFarland
McFarland, WI

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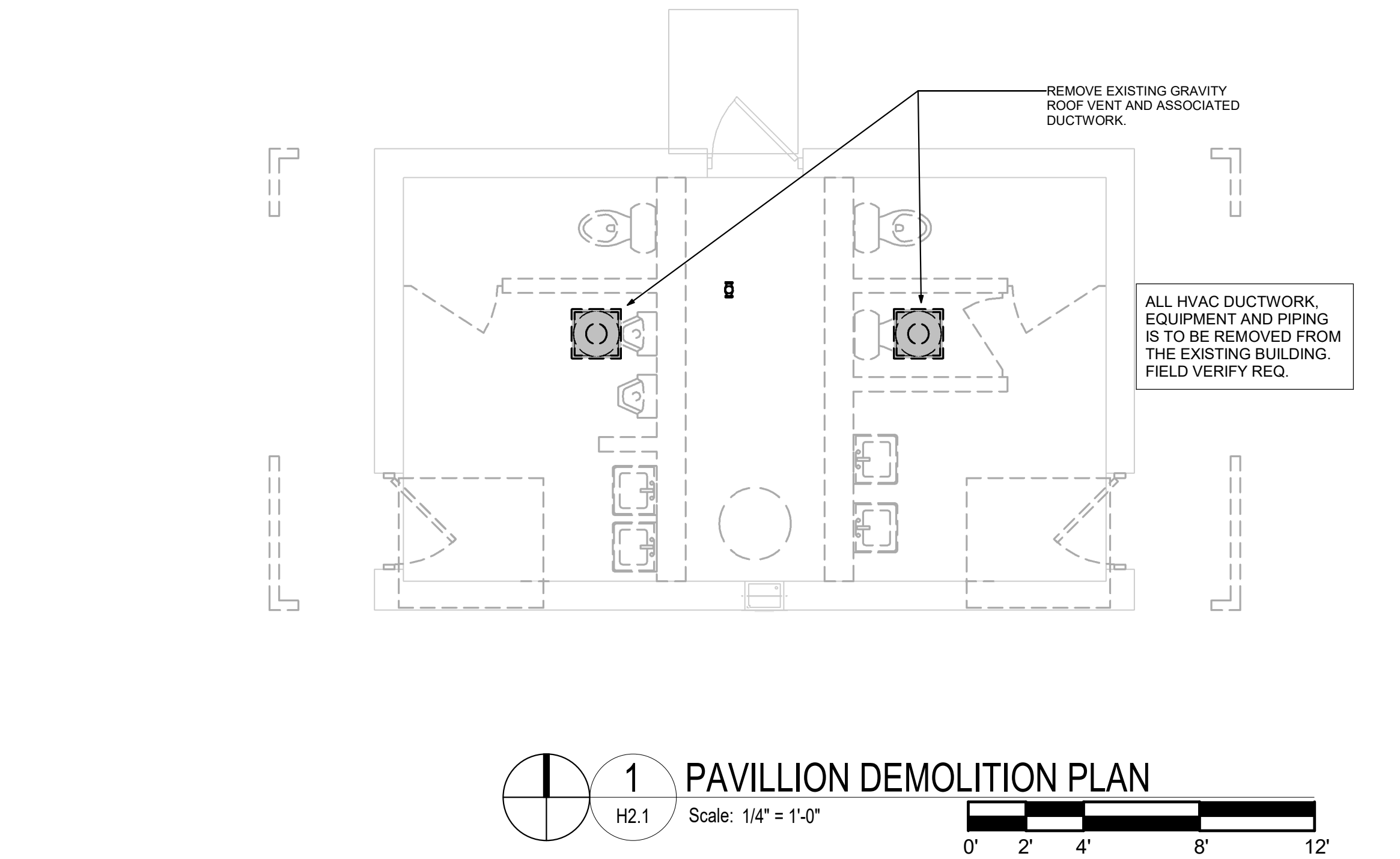
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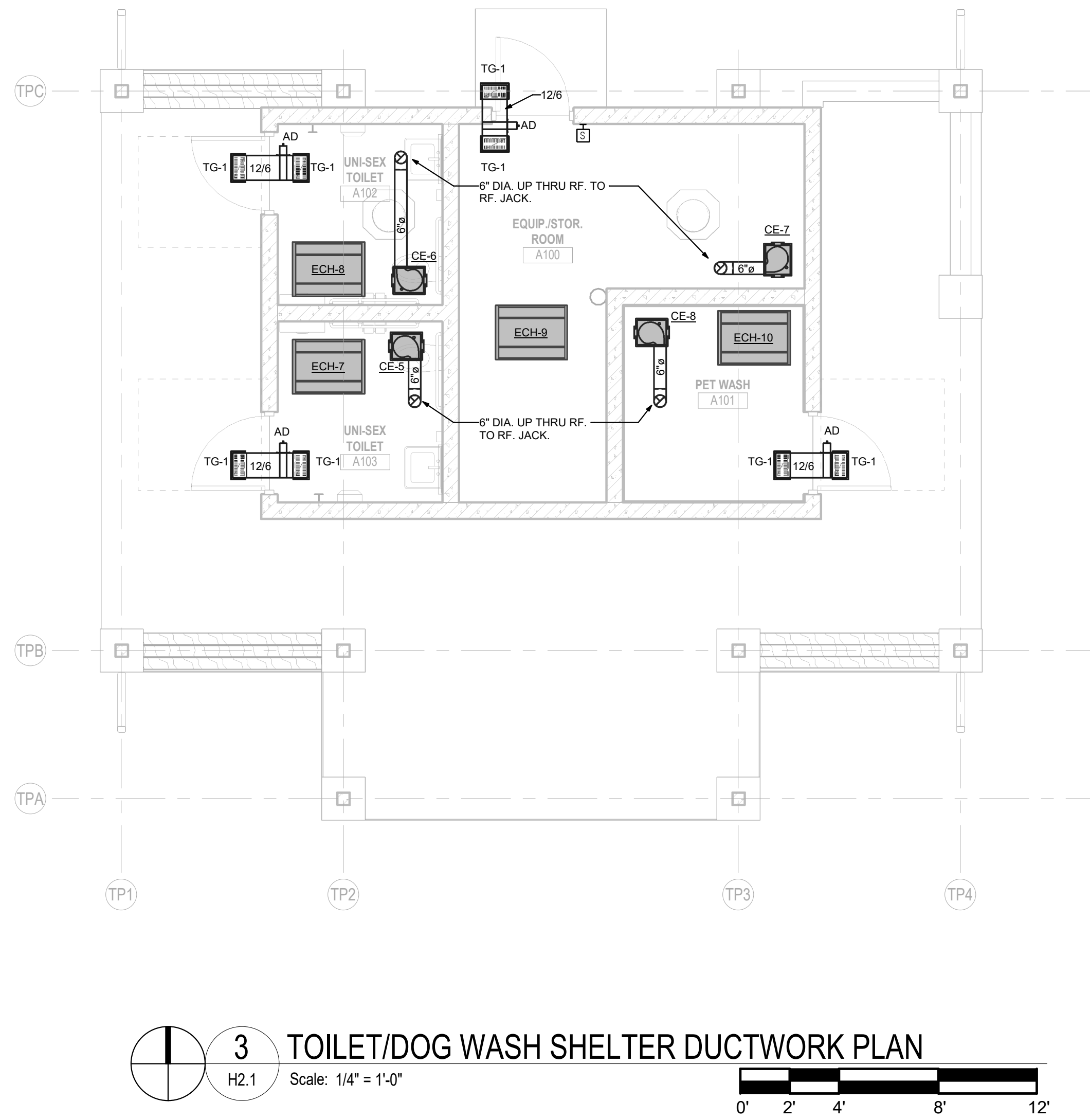
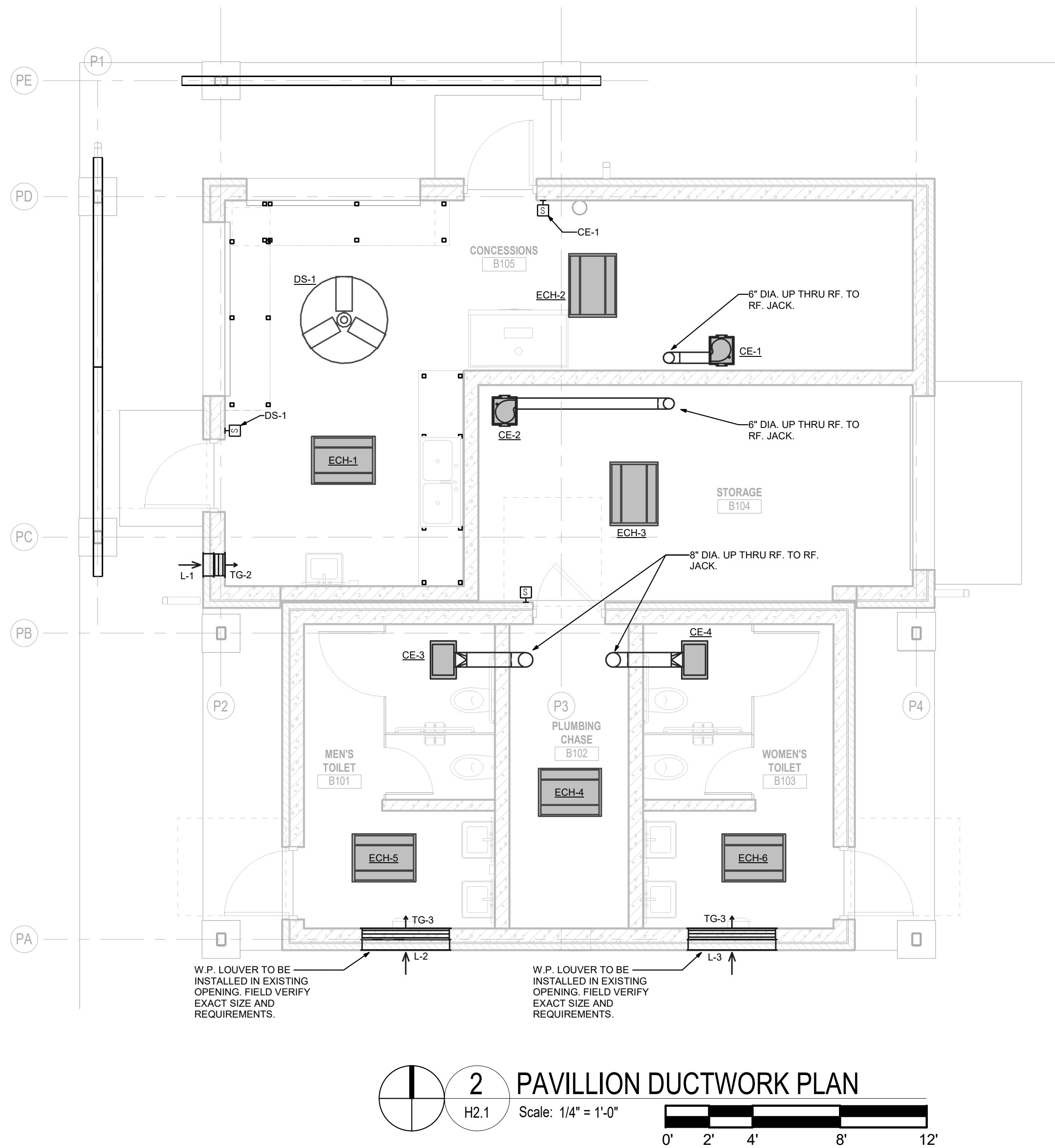
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bray
architects

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DEMOLITION SYMBOL	DESCRIPTION
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.



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Construction
Documents

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Sheet Title:

HVAC FLOOR
PLANS

Sheet Number:

H2.1

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MCFARLAND PARKS FIXTURE SCHEDULE						
TYPE	DESCRIPTION	LAMP TYPE	VOLT	WATTS	MANUFACTURER	CATALOG NUMBER
G1	1'X1' LED RECESSED FLANGED TROFFER - 3000 LUMENS - VANDAL RESISTANT - WET LOCATION - WHITE STAINLESS STEEL HOUSING	4000K LED	120	30	KURTZON	VL-F-3-1X1-MED-840-UNV-6/2-WHT-AH
G2	1'X1' LED RECESSED FLANGED TROFFER - 4400 LUMENS - VANDAL RESISTANT - WET LOCATION - WHITE STAINLESS STEEL HOUSING	4000K LED	120	45	KURTZON	VL-F-3-1X1-HI-840-UNV-6/2-WHT-AH
G3	1'X4' LED RECESSED FLANGED TROFFER - 6400 LUMENS - VANDAL RESISTANT - WET LOCATION - WHITE STAINLESS STEEL HOUSING	4000K LED	120	68	KURTZON	VL-R-3-1X4-840-UNV-2/6-WHT-AH
H1	SIZE 2 LED WEDGE WALL PACK - WIDE THROW - 3000 LUMENS	4000K LED	120	23	LITHONIA	WDGE2LED-P3-40K-80CRI-VW-MVOLT-SRM
M1	4' LOW PROFILE LED WRAPAROUND - 4000 LUMENS	4000K LED	120	35	LITHONIA	BLWP4-40L-SDSM-GZ10-LP840-PAF
M2	8' LOW PROFILE LED WRAPAROUND - 8000 LUMENS	4000K LED	120	63	LITHONIA	BLWP8-80L-SDSM-GZ10-LP840-PAF
O1	10" SQUARE SURFACE LED CANOPY - 3500 LUMENS	4000K LED	120	27	LITHONIA	CMYLED-P0-40K-MVOLT
S1	4' LED LENSED STRIP - 3000 LUMENS	4000K LED	120	20.3	LITHONIA	CLX-L48-3000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-WH
Y3	LED AREA FIXTURE - TYPE 3 WIDE - 11,000 LUMENS - B-LEVEL MOTION SENSOR - INTEGRAL PHOTOCELL - EXTERNAL GLARE SHIELD	4000K LED	240	71	LITHONIA	RSX2LED-P1-40K-R3-MVOLT-SPA-PIRHH-EGS
LP1	15'-0" STRAIGHT SQUARE STEEL 4" POLE - SINGLE	-	-	-	LITHONIA	SSS-15-4C-DM19AS-IC
GENERAL NOTES: 1. SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS. 2. ALTERNATE FIXTURES ARE NOT ALLOWED. 3. ALL INTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 80+. ALL EXTERIOR LED FIXTURES TO HAVE A MINIMUM CRI OF 70+. 4. MOUNT FIXTURES AT HEIGHT INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.						
PLAN NOTES: 1. ARCHITECT TO SELECT STANDARD COLOR AND FINISH.						

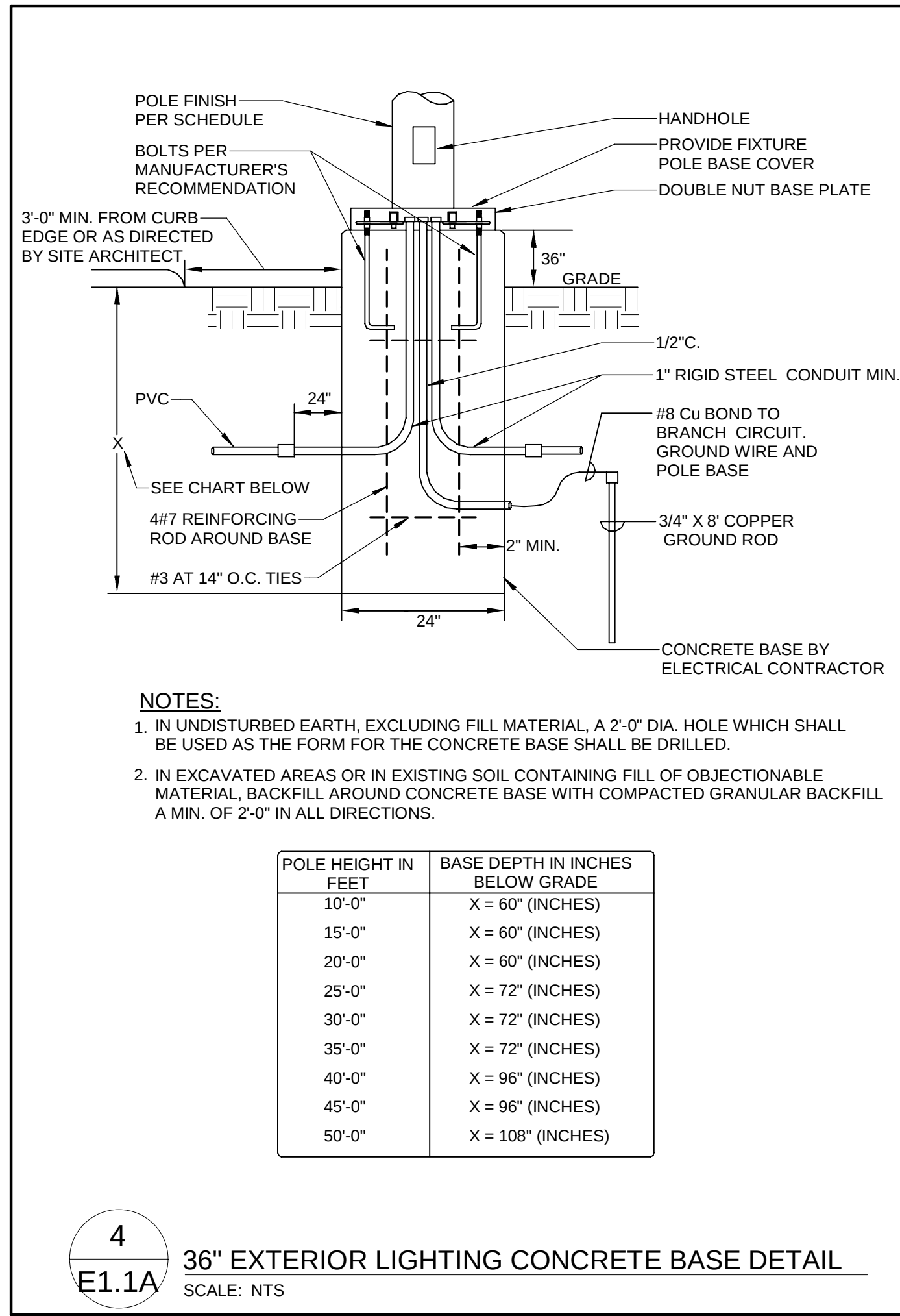
GENERAL NOTES:

- INSTALL PULL CORD IN ALL EMPTY CONDUITS.
- PROVIDE CONCRETE BASE ROUGH-IN FOR LP1 POLES PER DETAIL E1.1A.
- UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
- E.C. IS RESPONSIBLE FOR ALL WORK REQUIRED TO BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES.
- E.C. TO INDICATE EXACT ROUTING OF ALL UNDERGROUND CONDUITS ON RECORD DRAWING.
- VISIT THE PREMISES AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF BID. LACK OF INFORMATION ON EXISTING CONDITIONS WILL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.
- (---) INDICATES APPROXIMATE UNDERGROUND ROUTING OF CONDUITS AND FEEDERS.
- ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
- IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL E1.1B.
- PROVIDE EXTERIOR RECEPTACLES PER DETAIL E1.1B.
- ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL E1.1B.
- ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
- ALL KEYLESS ENTRY EQUIPMENT AND WIRING FURNISHED AND INSTALLED BY OTHERS. E.C. TO PROVIDE ALL REQUIRED RACEWAYS, BOXES, AND 120V WIRING. COORDINATE WORK WITH SYSTEM VENDOR AND OWNER. SEE DETAIL E1.1C.
- ALL VIDEO SURVEILLANCE EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. E.C. TO PROVIDE ALL REQUIRED RACEWAYS AND 120V WIRING. COORDINATE WORK WITH SYSTEM VENDOR AND OWNER. SEE DETAIL E1.1C.

PLAN NOTES:

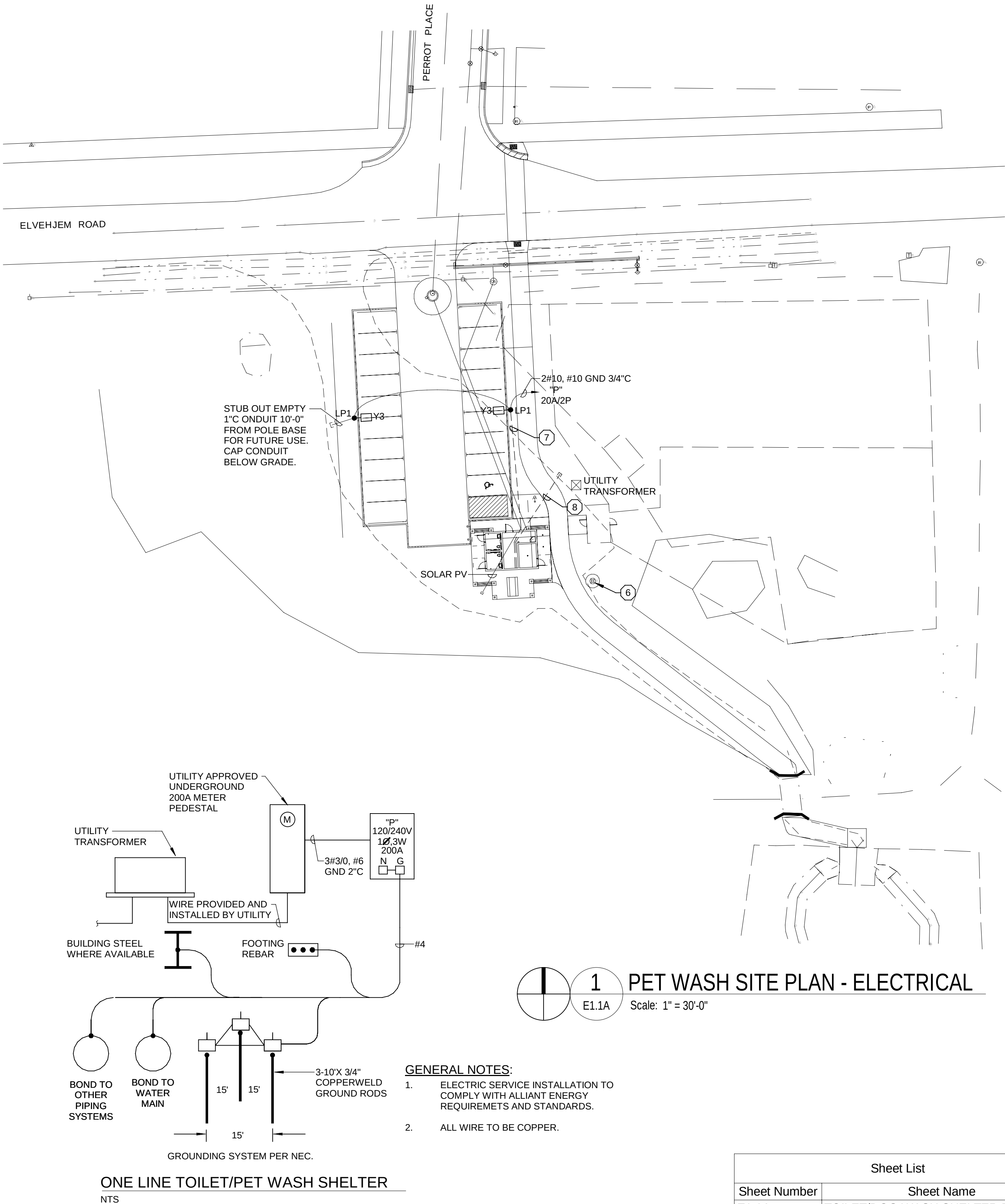
- CONTROL EXTERIOR LIGHTING BUILDING THROUGH PHOTOCELL. MOUNT PHOTOCELL TO FLUSH WEATHERPROOF BOX IN SOFFIT WITH STAINLESS STEEL WEATHERPROOF PLATE. AIM PHOTOCELL NORTH.
- CONCEAL ALL CONDUIT ABOVE CANOPY CEILING.
- WIRE CIRCULATION PUMP THROUGH IN-LINE AQUASTAT.
- RECEPTACLE BOX TO BE FLUSH MOUNTED IN MASONRY. COORDINATE INSTALLATION WITH MASON TO ALLOW FLIP COVER TO OPERATE PROPERLY.
- STUB 1-1/2" PVC CONDUIT FROM PANEL TO BELOW GRADE BEYOND BUILDING FOR FUTURE SOLAR PV.
- REMOVE EXISTING WOOD POLE, STREET LIGHT FIXTURE, AND WIRING.
- PROVIDE EMPTY 3/4" CONDUIT STUB FROM INSIDE POLE BADE TO BELOW GRADE AND UP INTO EQUIPMENT STORAGE ROOM FOR INTERNET ANTENNA. COORDINATE INSTALLATION WITH OWNER.
- PROVIDE EMPTY 2" CONDUIT FROM EQUIPMENT STORAGE ROOM TO BELOW GRADE FOR TELECOMMUNICATIONS SERVICE ENTRANCE BY OTHERS.
- ALL CONDUIT AND BOXES THIS ROOM TO BE CONCEALED INSIDE WALLS AND ABOVE FINISHED CEILING.

3 TOILET/PET WASH SHELTER - POWER
E1.1A Scale: 1/4" = 1'-0"



4 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL
E1.1A SCALE: NTS

2 TOILET/PET WASH SHELTER - LIGHTING
E1.1A Scale: 1/4" = 1'-0"



Project Title:
McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:		
DATE	DESCRIPTION	

Project Number:
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Sheet Title:
TOILET/DOG WASH SHELTER PLANS

Sheet Number:

E1.1A



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ELECTRICAL SYMBOLS AND ABBREVIATIONS

THIS IS A COMPREHENSIVE SYMBOL AND ABBREVIATION LIST.
NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS.

S	SINGLE POLE SWITCH, 3=3 WAY, 4=4 WAY, P=PILOT, R=RELAY, K=KEYED, I=ILLUMINATED, D=DIMMER M=MOTION SENSOR SWITCH, SENSOR SWITCH
	DUPLEX RECEPTACLE C=CEILING MOUNTED
	DUPLEX RECEPTACLE MOUNTED AT 42° TO CENTER
	POWER RECEPTACLE 240V 30=30AMP 60=60AMP R = 50A RANGE OUTLET D = 30A DRYER OUTLET
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	DOUBLE DUPLEX RECEPTACLE (RECEPTACLES MOUNTED SIDE BY SIDE)
	BLANK OUTLET FOR FUTURE DEVICES 4" BOX, SINGLE GANG RING, BLANKPLATE, 1" C. STUBBED INTO ACCESSIBLE CEILING
	BLANK OUTLET MTD @ 42° FOR FUTURE DEVICES 4" BOX, SINGLE GANG RING, BLANKPLATE, 1" C. STUBBED INTO ACCESSIBLE CEILING
	EQUIPMENT CONNECTION
	J-BOX
	HEAVY DUTY DISCONNECT F=FUSIBLE PROOF FURNISHED BY E.C.
	NON-COMBINATION STARTER
	COMBINATION STARTER
	MANUAL STARTER
	NEW SURFACE MOUNTED PANEL. SEE PLANS.
	NEW FLUSH MOUNTED PANEL. SEE PLANS.
	EXISTING SURFACE MOUNTED PANEL. SEE PLANS.
	EXISTING FLUSH MOUNTED PANEL. SEE PLANS.
	-TYPE
	-EQUIPMENT LOCATION
	-DESIGNATION
	-REFERS TO DETAIL
	-SHEET NO. WHERE DETAIL IS LOCATED
	REFERS TO NOTE NUMBER
	DOOR CONTACT SWITCH
	ELECTRIC STRIKE.
	CARD READER.

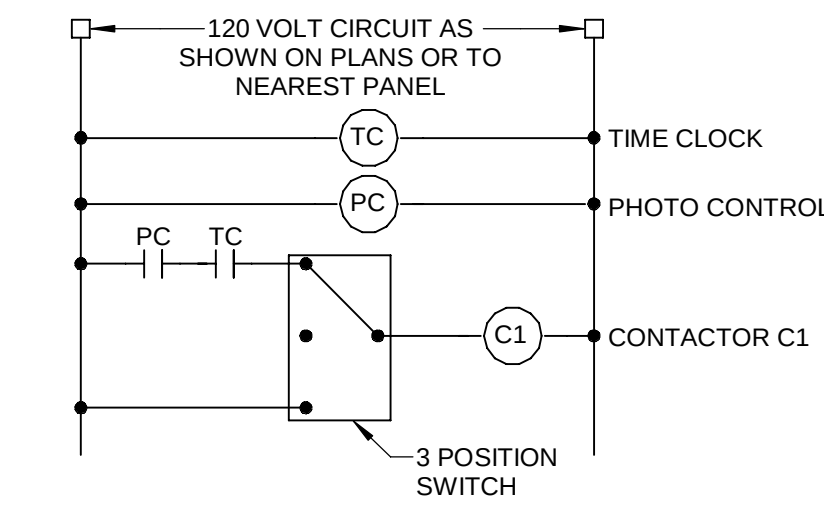
	CEILING MOUNTED FLUSH OR SURFACE
	WALL MOUNTED, FLUSH OR SURFACE
	FLUORESCENT FIXTURE
	EMERGENCY LIGHT
	RECESSED EMERGENCY LIGHT
	EXIT LIGHT - ONE FACE
	EXIT LIGHT - TWO FACE
	DUAL TECHNOLOGY OCCUPANCY SENSOR LIGHTING
	ULTRASONIC OCCUPANCY SENSOR LIGHTING
	PHOTOCELL
	MOTOR OUTLET TERMINAL, ON ROOF MOUNTED UNITS PROVIDE WEATHER PROOF DISCONNECTS. X = HORSE POWER OR MOTOR NUMBER IF SCHEDULE IS PROVIDED.
	CIRCUIT HOMERUN TO 20A/1P BREAKER UNLESS SHOWN OTHERWISE ON DRAWINGS.
	INDICATES CONNECTED TO SAME CIRCUIT BUT CONTROLLED SEPARATELY
	COND. STUB THROUGH WALL BUSHED EACH END
	ELECTRIC HAND DRYER. SEE SPECIFICATIONS
	SECURITY CAMERA

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
C	CONDUIT
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
EBB	ELECTRICAL BASE BOARD
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
ELEV	ELEVATION
EM	EMERGENCY
EQ	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWB	ELECTRIC WALL HEATER
FBO	FURNISHED BY OTHERS
GUH	GAS UNIT HEATER
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IG	ISOLATED GROUND
INC	INCANDESCENT
JB	JUNCTION BOX
MTD	MOUNTED
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OHD	OVERHEAD DOOR
OC	ON CENTER
PC	PHOTOCELL
REF	REFRIGERATOR
RTU	ROOF TOP UNIT
SPD	SURGE PROTECTED DEVICE
SS	STAINLESS STEEL
UH	UNIT HEATER
VFD	VARIABLE FREQUENCY DRIVE
WE	WALL EXHAUST
WH	WATER HEATER
WP	WEATHER PROOF

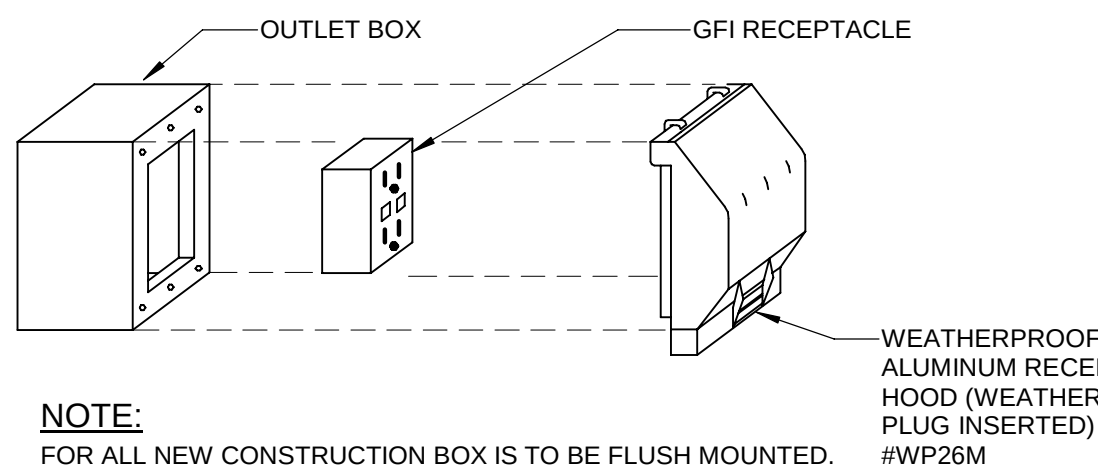
OCCUPANCY SENSOR SCHEDULE

SYMBOL	DESCRIPTION	SENSOR/SWITCH
	DUAL TECHNOLOGY OCCUPANCY SENSOR	CM-PDT-9-R-LT



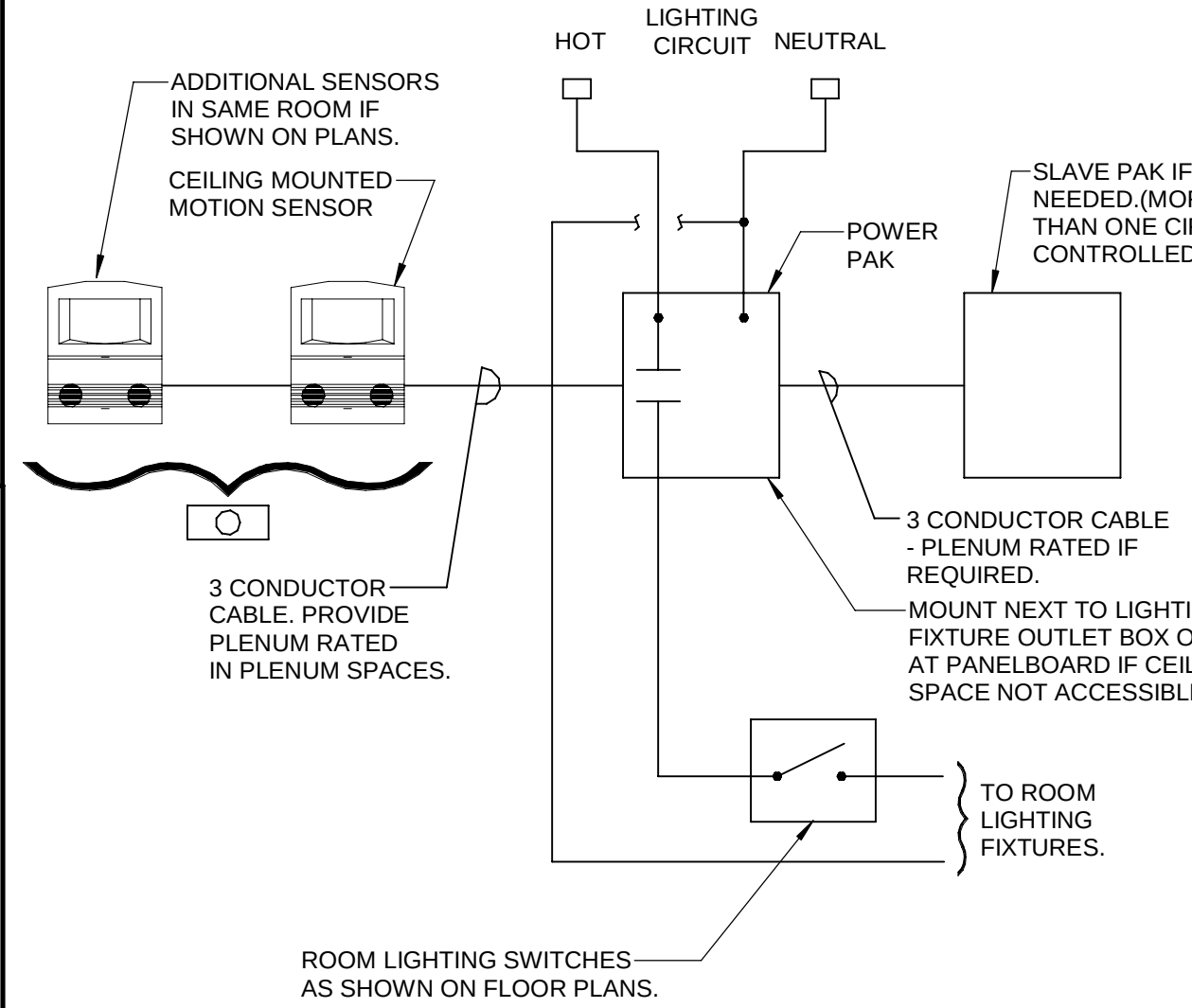
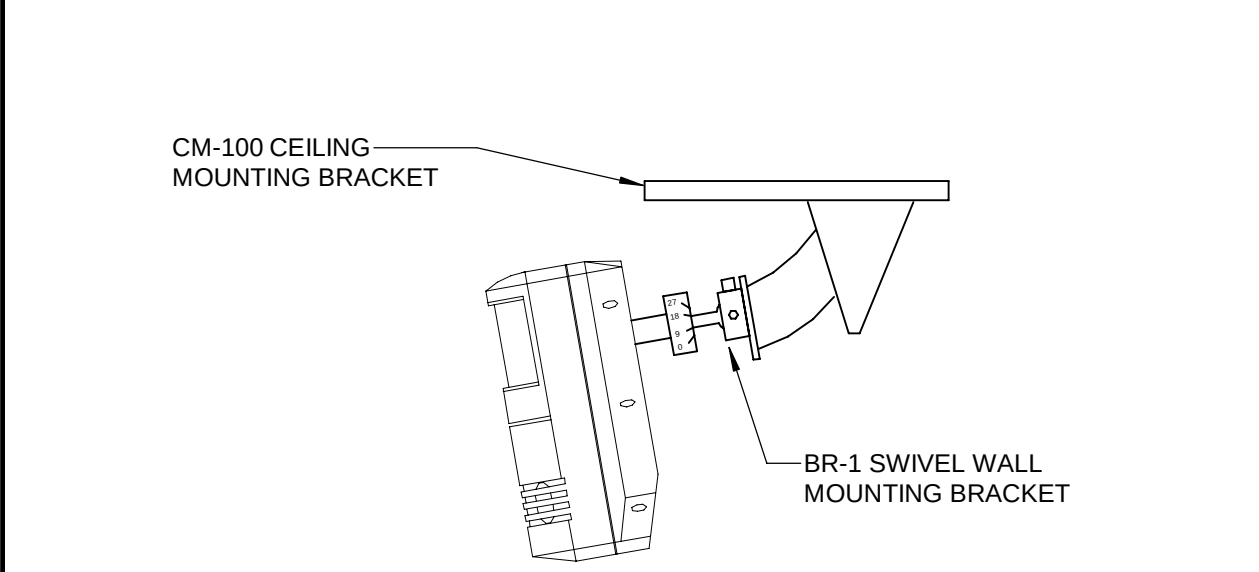
COMPONENTS:	
TIMECLOCK:	INTERMATIC ET6215C SEVEN DAY ASTRONOMIC TIMECLOCK
PHOTOCONTROL:	INTERMATIC-K4221 MOUNT WHERE SHOWN ON FLOOR PLANS, OR IF NOT SHOWN, ON NORTH SIDE OF BUILDING.
CONTACTORS:	"SQUARE D" 8803-L040-V02 MINIMUM CONFIGURATION, PROVIDE ADDITIONAL CONTACTOR POLES IF REQUIRED.
3-POSITION SWITCHES:	CENTER OFF TYPE, HEAVY DUTY TOGGLE SWITCH. PROVIDE ENGRAVED LABEL FOR EACH SWITCH "AUTO-OFF-ON". ALSO LABEL FUNCTION.

7
E1.1B EXTERIOR LIGHTING CONTROLS
SCALE: NTS

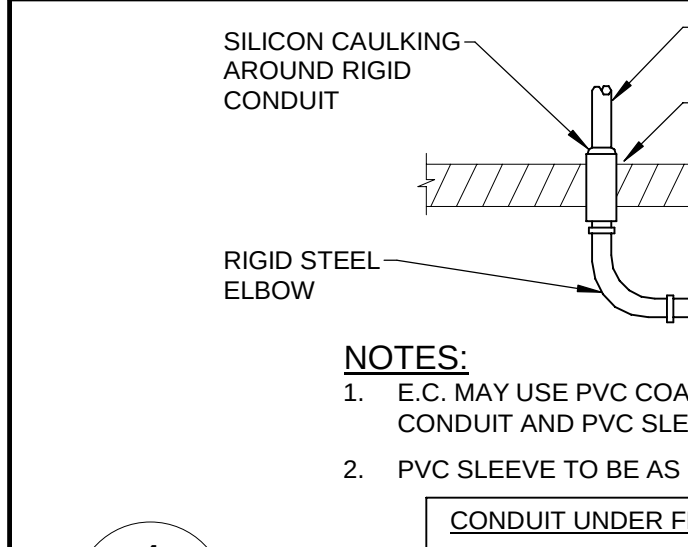
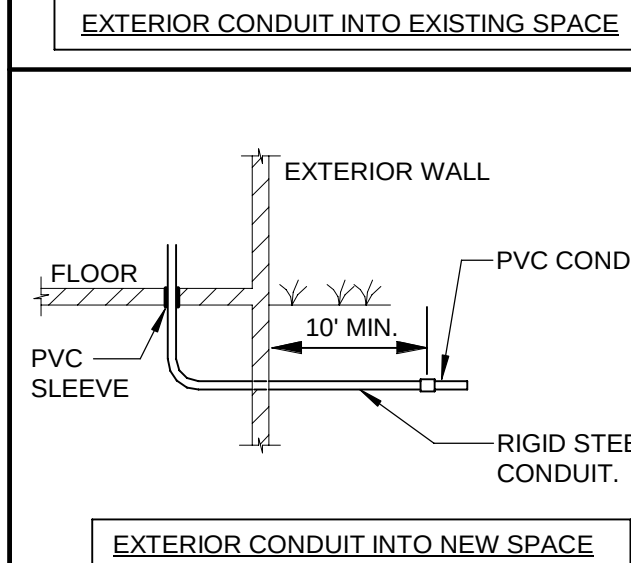
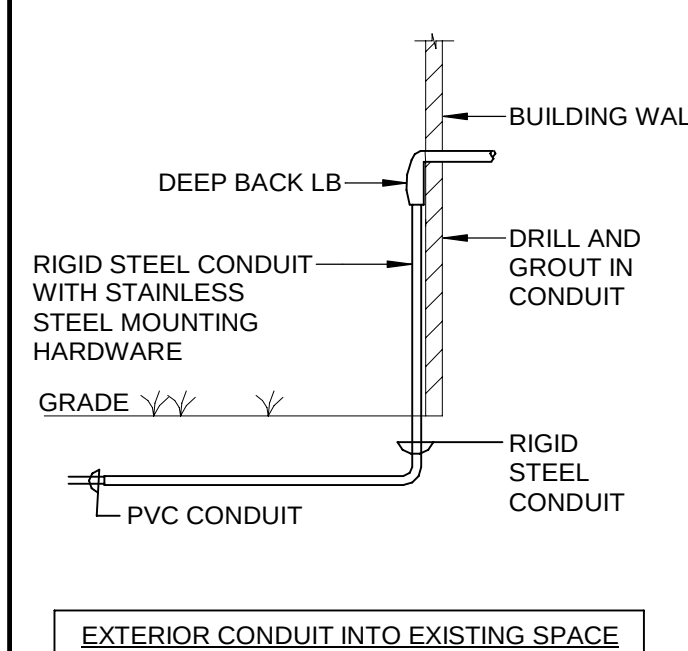


NOTE:
FOR ALL NEW CONSTRUCTION BOX IS TO BE FLUSH MOUNTED.
OUTLET BOX:
FLUSH: 3 1/2" DEEP 1-GANG MASONRY BOX SURFACE: F.S. BOX

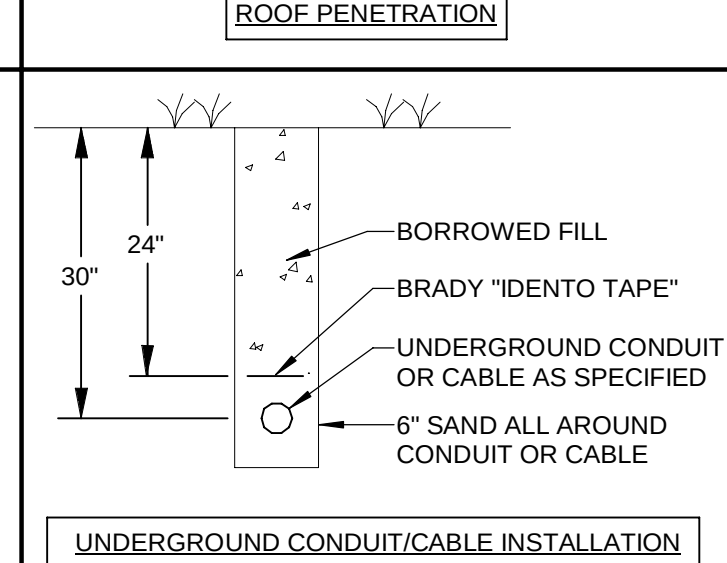
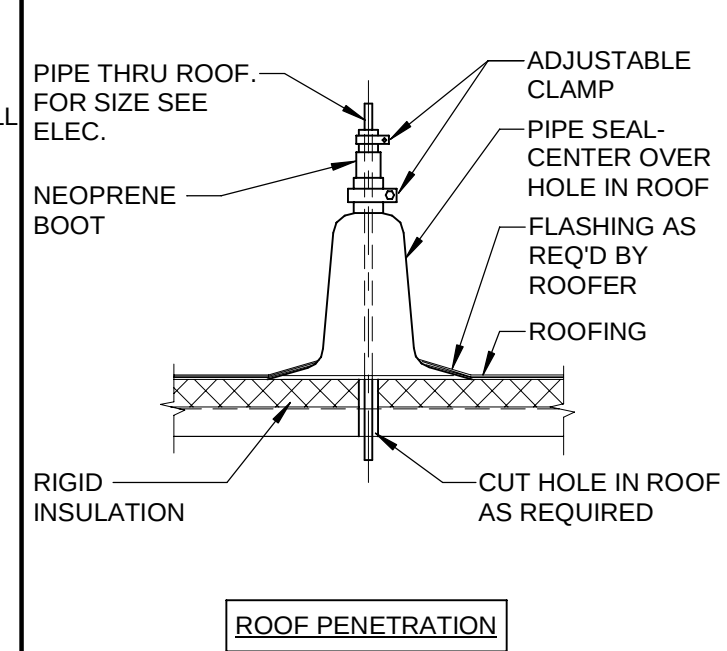
6
E1.1B GFI/WP RECEPTACLE MOUNTING DETAIL
SCALE: NTS



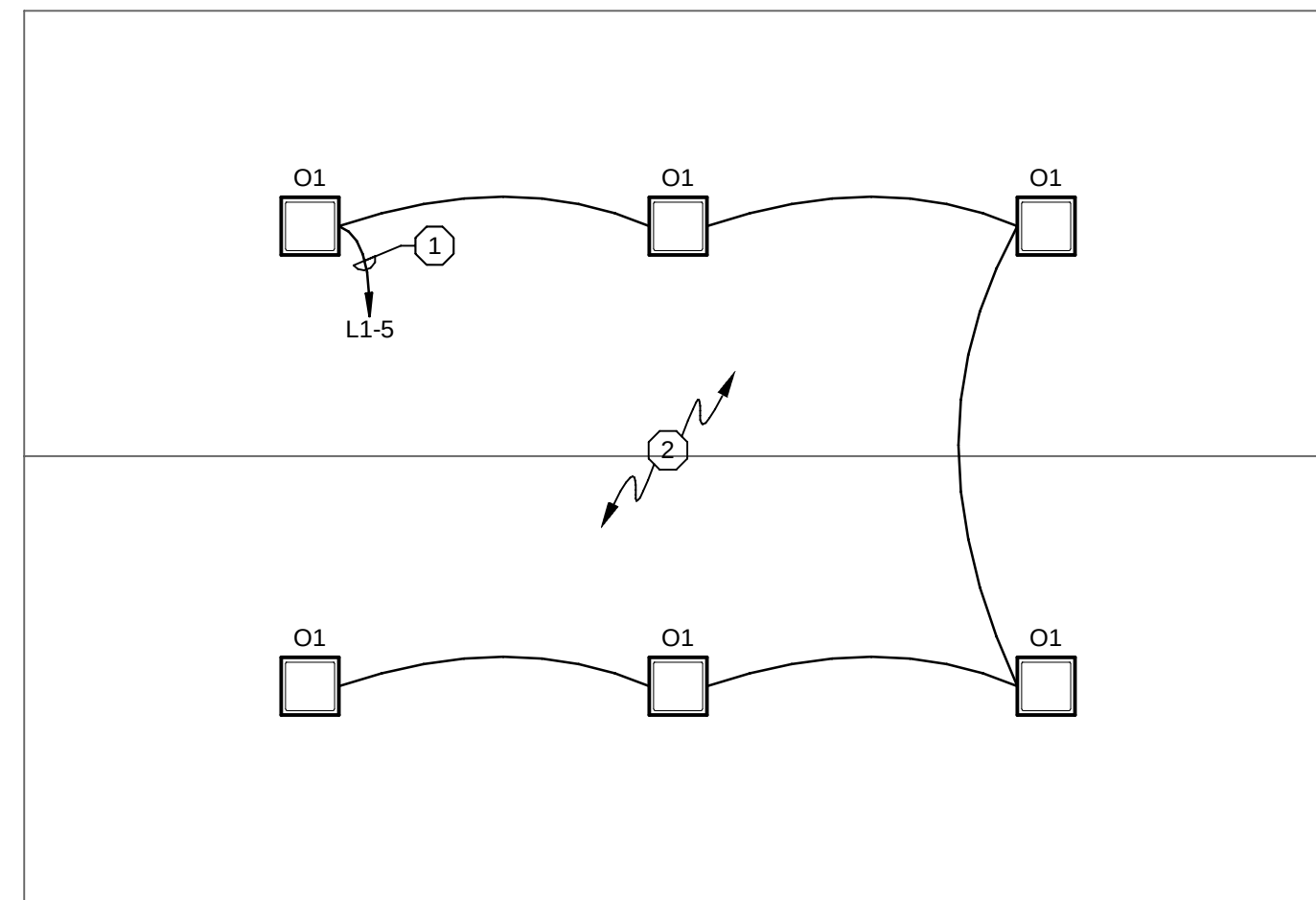
5
E1.1B MOTION SENSOR LIGHTING CONTROL
SCALE: NTS



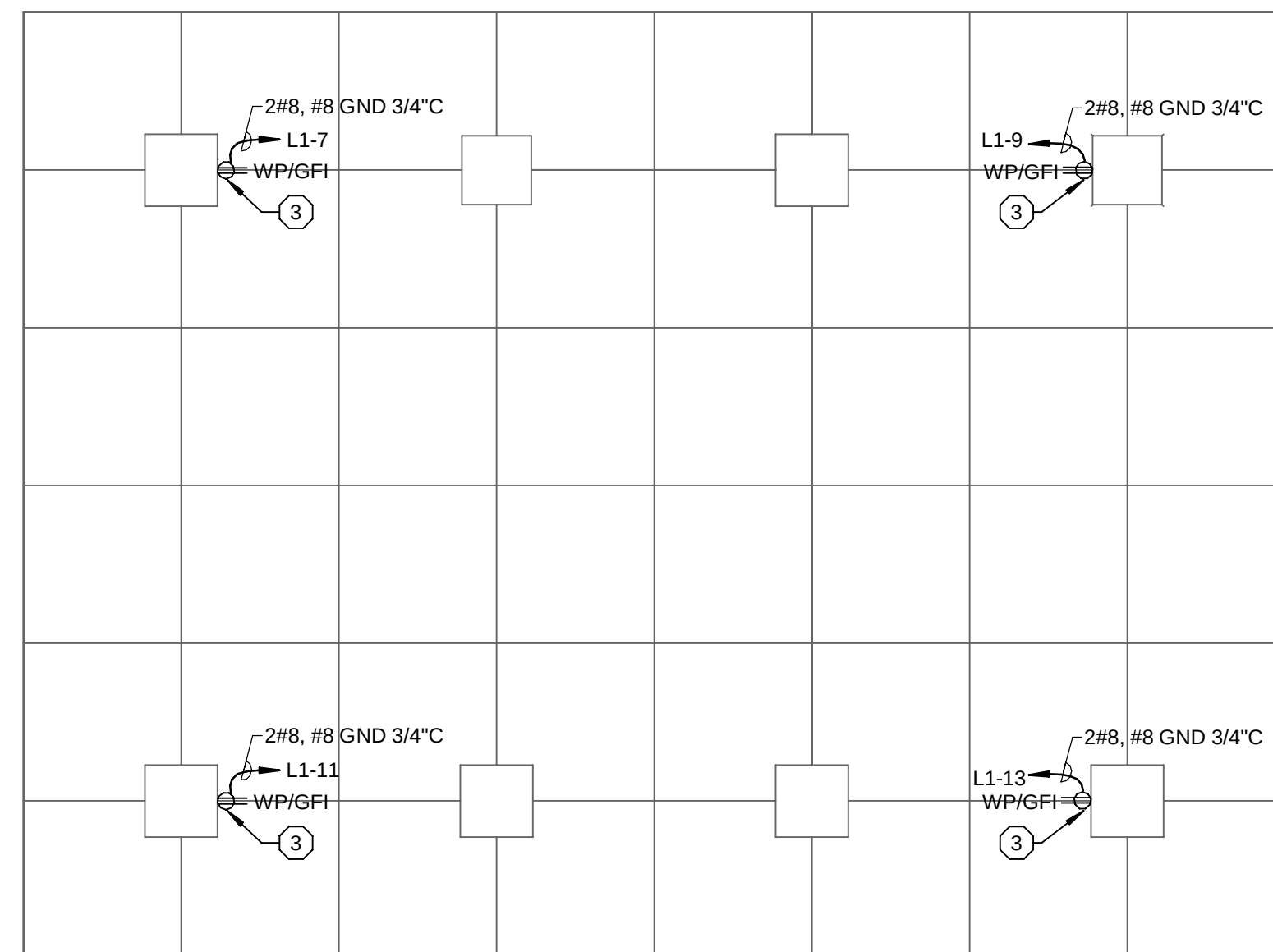
4
E1.1B CONDUIT DETAILS
SCALE: NTS



NOTES:
1. E.C. MAY USE PVC COATED RIGID STEEL CONDUIT IN LIEU OF RIGID CONDUIT AND PVC SLEEVE.
2. PVC SLEEVE TO BE AS SNUG AS POSSIBLE ON RIGID CONDUIT.



1
E1.1B PARK SHELTER - LIGHTING
Scale: 1/4" = 1'-0"



2
E1.1B PARK SHELTER - POWER
Scale: 1/4" = 1'-0"

GENERAL NOTES:

- ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
- IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL **5** **E1.1B**.
- PROVIDE EXTERIOR RECEPTACLES PER DETAIL **6** **E1.1B**.
- ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL **4** **E1.1B**.
- ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
- (---) INDICATES APPROXIMATE UNDERGROUND ROUTING OF CONDUITS AND FEEDERS.

PLAN NOTES:

- CONTROL THIS CIRCUIT THROUGH CONTACTOR C1 PHOTOCALL-ON, TIMECLOCK-OFF, SEE DETAIL **7** **E1.1B**.
- CONCEAL ALL CONDUIT ABOVE CANOPY CEILING.
- ALL CONDUITS TO BE CONCEALED IN MASONRY COLUMN TO RECEPTACLES. CONDUIT TO BE ROUTED BELOW CONCRETE SLAB INTO BOTTOM OF MASONRY COLUMN. RECEPTACLE BOX TO BE FLUSH MOUNTED IN MASONRY. COORDINATE INSTALLATION WITH MASON TO ALLOW FLIP COVER TO OPERATE PROPERLY.
- PROVIDE EMPTY 2" CONDUIT FROM STORAGE ROOM TO BELOW GRADE FOR TELECOMMUNICATIONS SERVICE ENTRANCE BY OTHERS.

3
E1.1B PARK SHELTER SITE PLAN - ELECTRICAL
Scale: 1" = 30'-0"

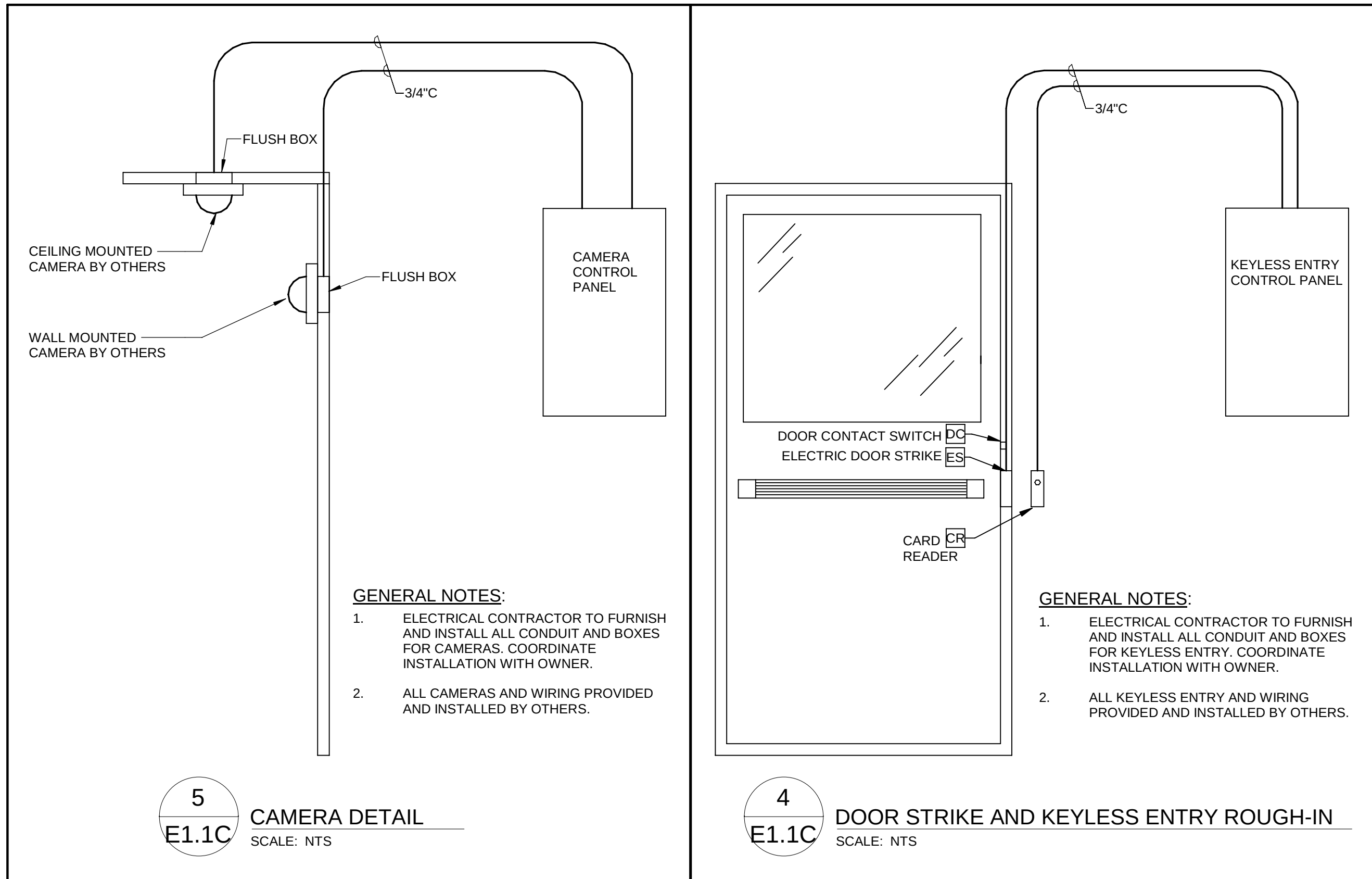
A

B

C

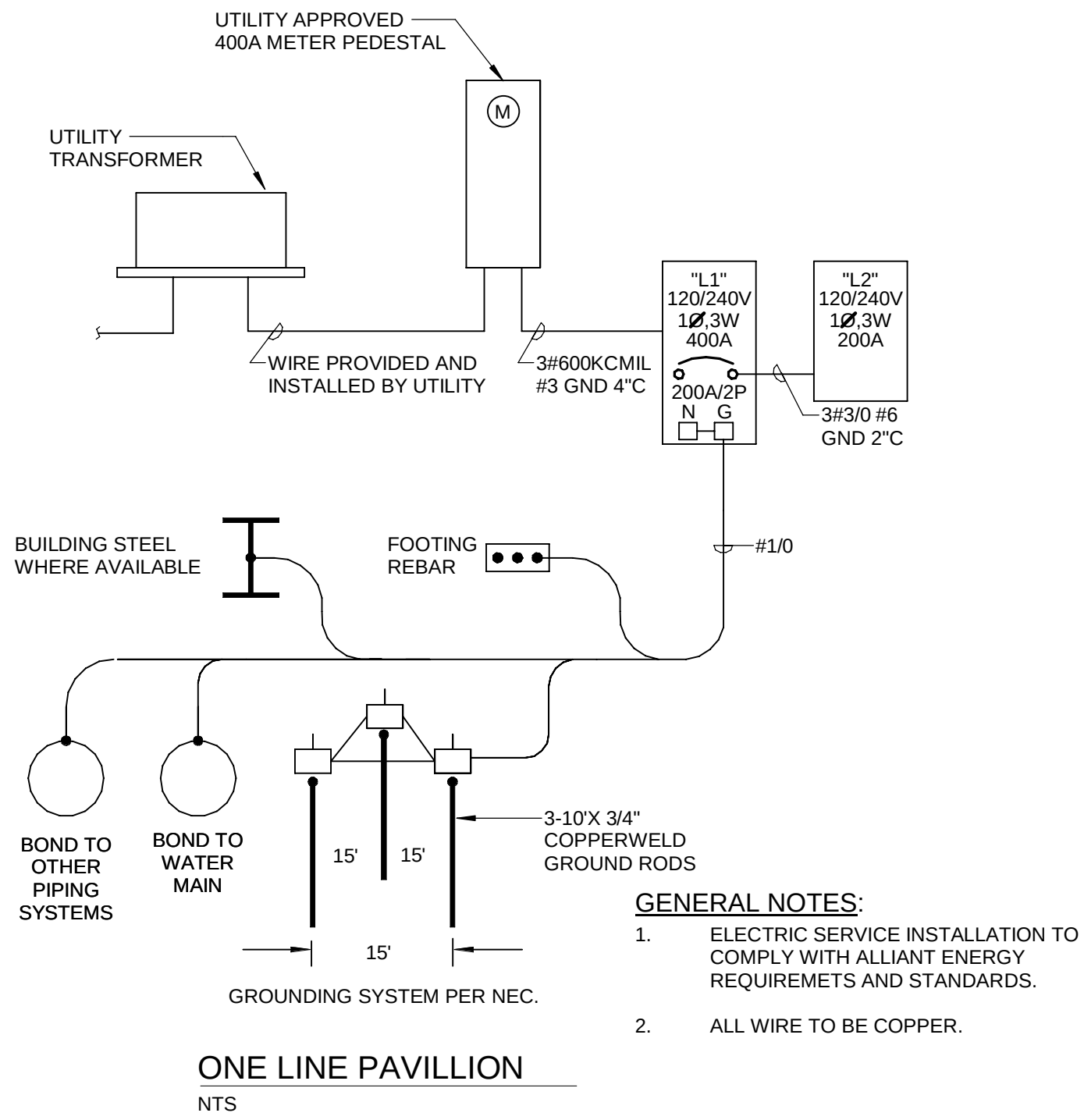
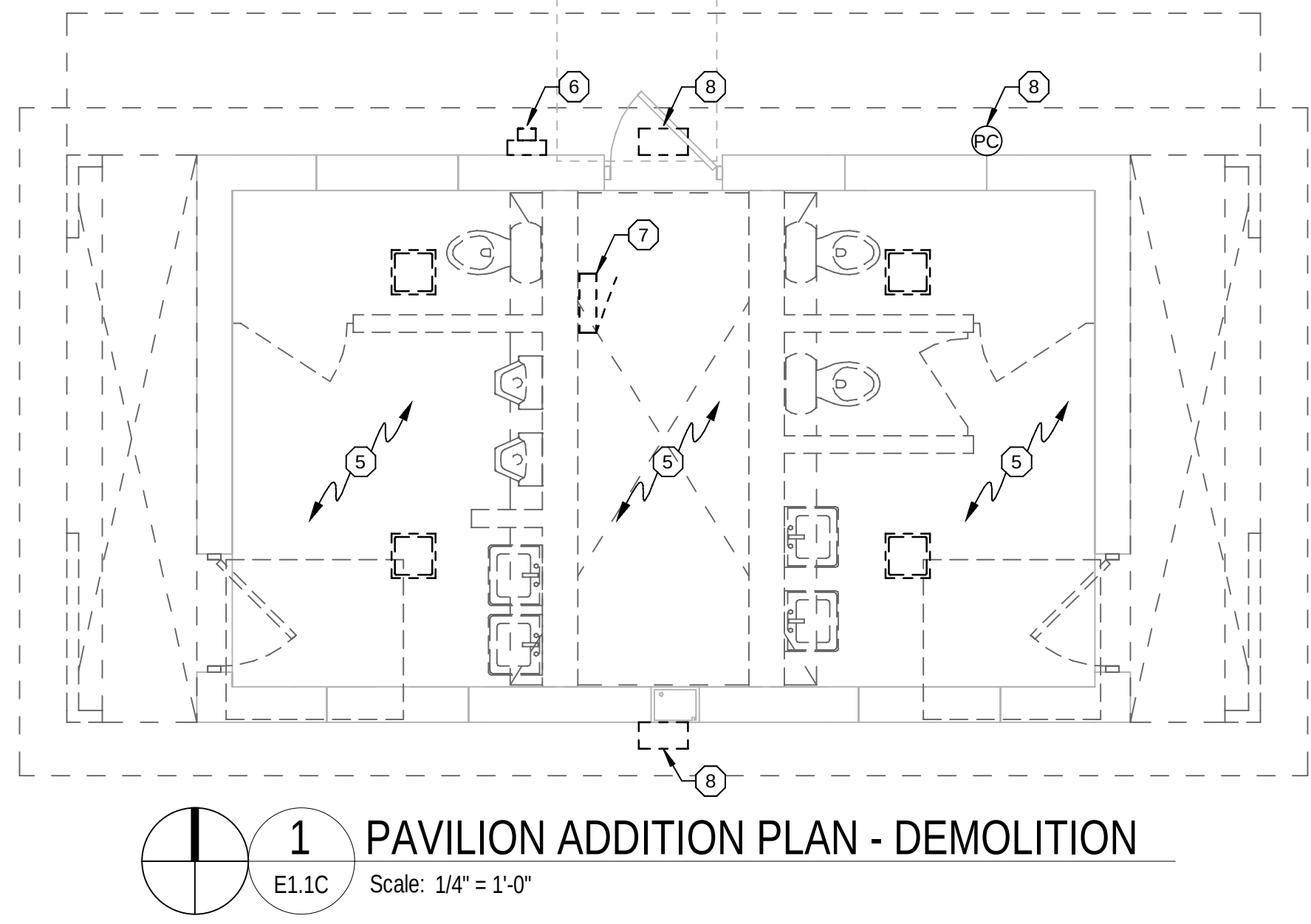
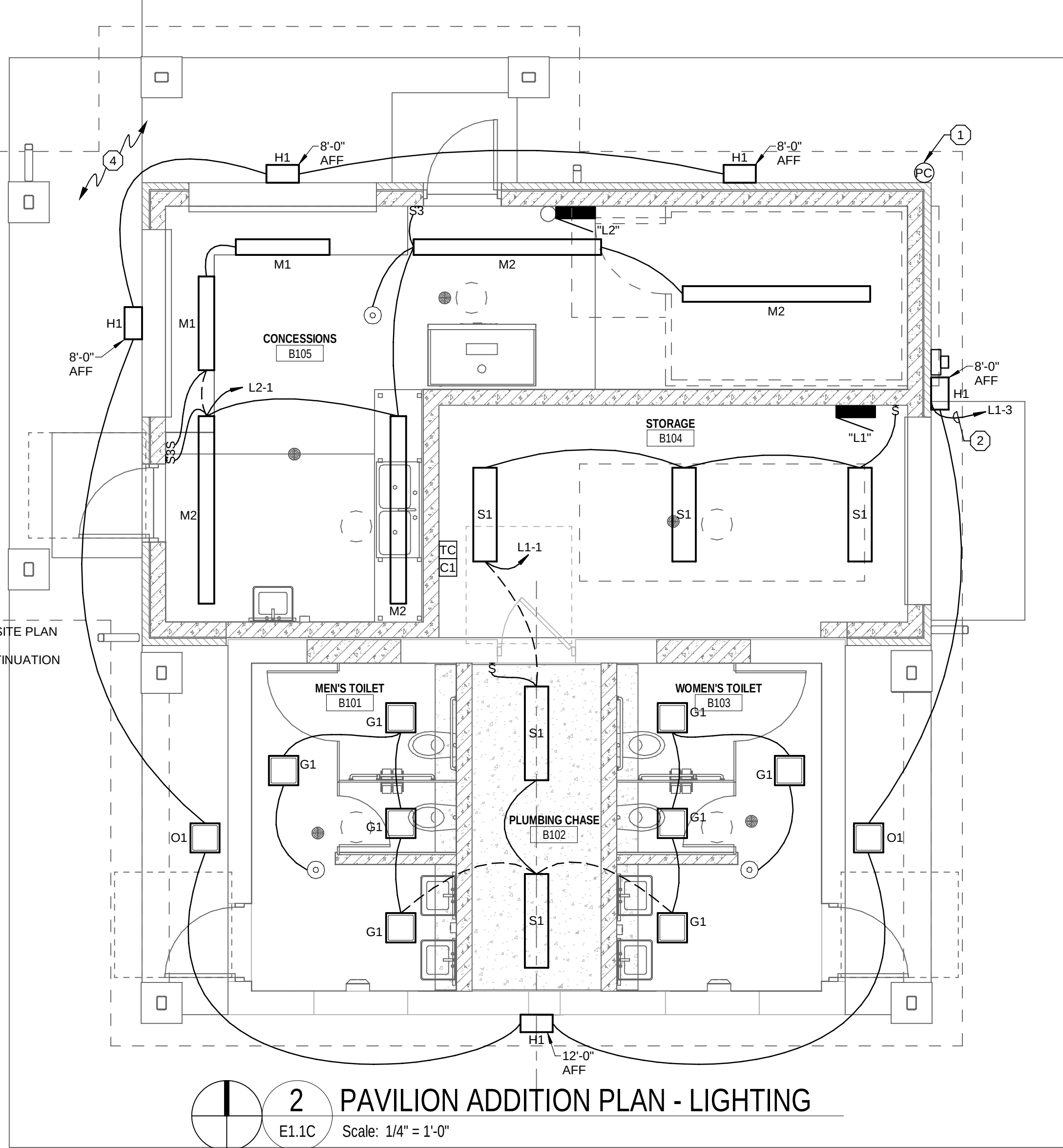
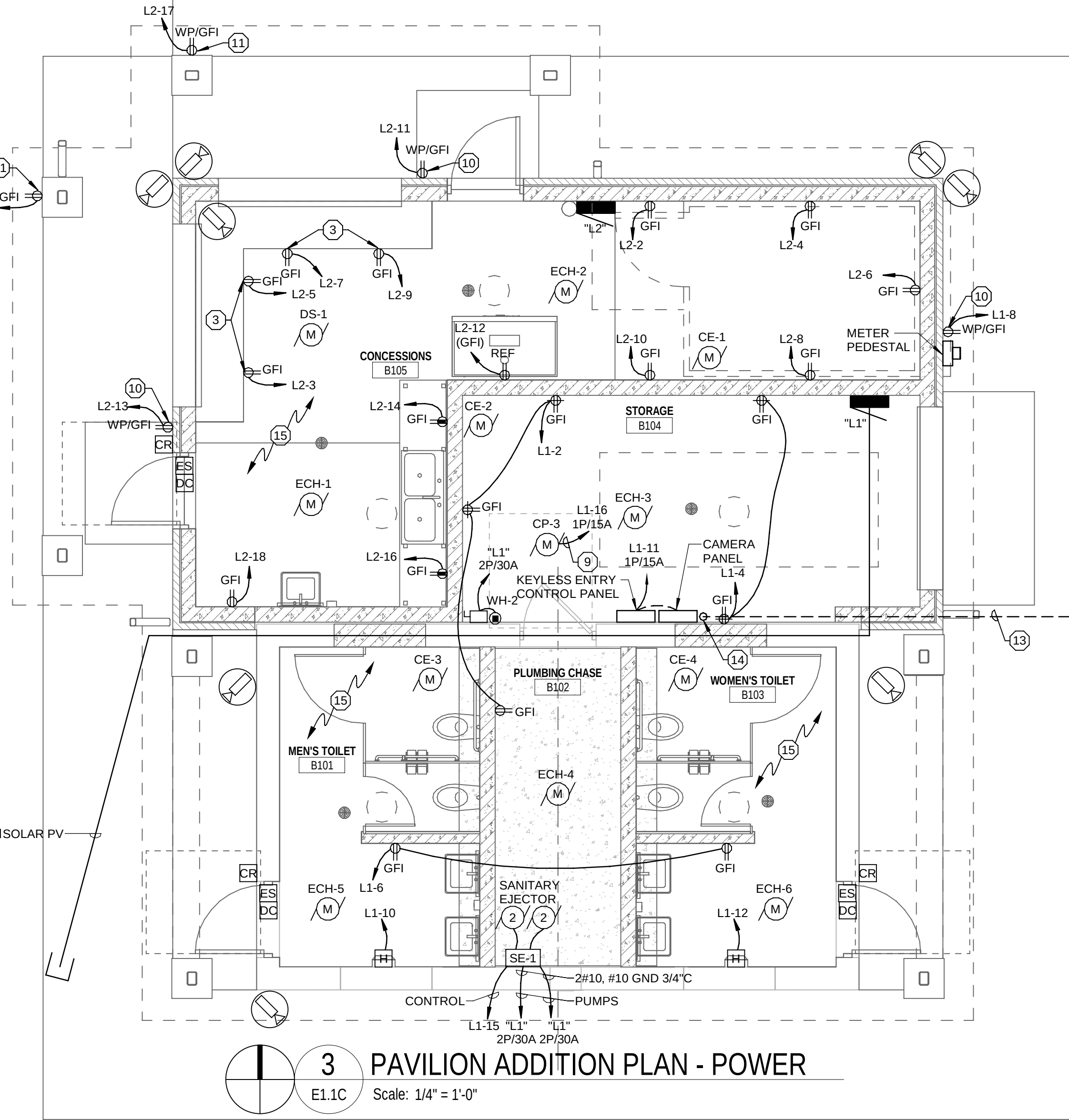
D

E



PANEL SCHEDULE: "L1"			VOLTAGE: 120/240V 1P.3W
TYPE: SQUARE D NO			BUS AMPACITY: 400A
MOUNT: SURFACE			MAIN CIRCUIT BKR: 400A
ISOLATED GROUND BUS: NO			SUB-FEED LUGS: NO
GROUND BUS: YES			AMPS AIC: 22 KAIC
WITH THE FOLLOWING BREAKERS:			
QUANTITY	POLE	AMPS	LOAD SERVED
1	2	200	PANEL "L2"
2	2	40	ECH-5, ECH-6
2	2	30	SANITARY EJECTOR PUMPS
3	2	20	ECH-3, ECH-4, WH-2
22	1	20	GENERAL USE & SPARES
2	1	15	CP-2, CAMERA & KEYLESS ENTRY PANEL
14	1	-	SPACE
NOTE: 54 CKT PANEL.			

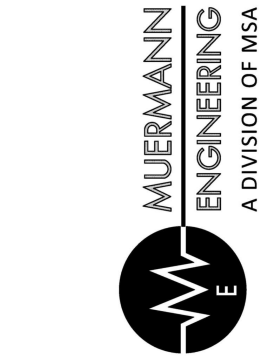
PANEL SCHEDULE: "L2"			VOLTAGE: 120/240V 1P.3W		
TYPE: SQUARE D NO			BUS AMPACITY: 200A		
MOUNT: SURFACE			MAIN CIRCUIT BKR: NONE		
ISOLATED GROUND BUS: NO			SUB-FEED LUGS: NO		
GROUND BUS: YES			AMPS AIC: 22 KAIC		
WITH THE FOLLOWING BREAKERS:					
QUANTITY	POLE	AMPS	LOAD SERVED		
2	2	30	ECH-1, ECH-2		
1	1	20 GFI	REFRIGERATOR		
22	1	20	GENERAL USE & SPARES		
15	1	-	SPACE		
NOTE: 42 CKT PANEL.					



MOTOR STARTER SCHEDULE																
HVAC EQUIPMENT DESCRIPTION	ELECTRICAL DATA					STARTER			CIRCUIT							NOTE
	MCA	MOCP	HP	VOLTAGE	PHASE	KW	FURNISHED BY	INSTALLED BY	LOCATION	TYPE	PANEL	CKT NO.	CIRCUIT BREAKER AMPS	POLE	NO.	SIZE
CE-1				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	L2	20	20	1	2	#12
CE-2				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	L1	14	20	1	2	#12
CE-3				120	1	0.1	HVAC	EC	NEAR UNIT	SP. SW.	L1	14	20	1	2	#12
CE-4				120	1	0.1	HVAC	EC	NEAR UNIT	SP. SW.	L1	14	20	1	2	#12
CE-5				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	P	5	20	1	2	#12
CE-6				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	P	5	20	1	2	#12
CE-7				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	P	5	20	1	2	#12
CE-8				120	1	0.07	HVAC	EC	NEAR UNIT	SP. SW.	P	5	20	1	2	#12
DS-1				120	1	0.09	HVAC	EC	NEAR UNIT	SP. SW.	L2	20	20	1	2	#12
ECH-1				240	1	5	HVAC	HVAC	PRE-WIRED	-	L2	-	30	2	2	#10
ECH-2				240	1	5	HVAC	HVAC	PRE-WIRED	-	L2	-	30	2	2	#10
ECH-3				240	1	3	HVAC	HVAC	PRE-WIRED	-	L1	-	20	2	2	#12
ECH-4				240	1	3	HVAC	HVAC	PRE-WIRED	-	L1	-	20	2	2	#12
ECH-5				240	1	7	HVAC	HVAC	PRE-WIRED	-	L1	-	40	2	2	#8
ECH-6				240	1	7	HVAC	HVAC	PRE-WIRED	-	L1	-	40	2	2	#8
ECH-7				240	1	7	HVAC	HVAC	PRE-WIRED	-	P	-	40	2	2	#8
ECH-8				240	1	7	HVAC	HVAC	PRE-WIRED	-	P	-	40	2	2	#8
ECH-9				240	1	7	HVAC	HVAC	PRE-WIRED	-	P	-	40	2	2	#8
ECH-10				240	1	7	HVAC	HVAC	PRE-WIRED	-	P	-	40	2	2	#8
GENERAL NOTES:																
1. DISCONNECTS FOR HVAC EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO INSTALL PER MECHANICAL CONTRACTORS REQUIREMENTS.																
2. ALL WIRE TO HVAC EQUIPMENT TO BE COPPER ONLY.																

GENERAL NOTES:

- ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
- IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL **E1.1B**.
- PROVIDE EXTERIOR RECEPTACLES PER DETAIL **E1.1B**.
- ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL **E1.1B**.
- ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
- ALL KEYLESS ENTRY EQUIPMENT AND WIRING FURNISHED AND INSTALLED BY OTHERS. E.C. TO PROVIDE ALL REQUIRED RACEWAYS, BOXES, AND 120V WIRING. COORDINATE WORK WITH SYSTEM VENDOR AND OWNER. SEE DETAIL **E1.1C**.
- ALL VIDEO SURVEILLANCE EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. E.C. TO PROVIDE ALL REQUIRED RACEWAYS, CAT6 DATA CABLE, AND 120V WIRING. COORDINATE WORK WITH SYSTEM VENDOR AND OWNER. SEE DETAIL **E1.1C**.



Project Title:
McFarland Park Facility Projects
Village of McFarland
McFarland, WI

REVISIONS:
DATE DESCRIPTION

Project Number:
3491

Issued For:
Construction Documents
Issued to Bid 06/05/2020

Sheet Title:
PAVILION ADDITION PLANS

Sheet Number:

E1.1C



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VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Thursday, June 18, 2020

SECTION: Business

DEPARTMENT: Administration

CONTACT:

AGENDA ITEM: Discussion and action to set final schedule for bid opening and award of contract for park facility projects.

PREVIOUS ACTION:

ISSUE SUMMARY:

With the schedule being adjusted, we are proposing setting the final schedule to make a decision as follows:

- June 11th - Addendum #1 issued to Contractors regarding schedule change.
- June 23rd - Bidders Proof of Responsibility due from Contractors.
- June 26th - Bid Due Date
- July 13th - Village Board contract award

The final determination we would need to make is whether or not we want the Committee to meet to make its recommendation as part of a special meeting.

- If the Committee is agreeable to allowing the project to go to the Village Board if its within the budget parameters, then this action could suffice as your recommendation. For example, the bids are opened and the low bidder is under budget, then we would bring the low bidder to the board for contract award since that is really our only option.
- If the the bids were not within budget parameters then we could schedule a special meeting to consider what our recommendation might be. This would need to be scheduled between June 26th and July 13th.

If we are to have a special meeting, the following dates are suggested (all times would be at 6:30 pm):

- July 2nd
- July 8th



- July 9th

We can discuss what the Committee prefers as part of deciding the final schedule.

FINANCIAL/BUDGET IMPACT:

Dog Park Shelter Facility

The 2020 Budget for improvements within Urso/Schuetz Park allocated a total of \$1,000,000. However, fund availability is a little higher since some of the work did not get completed in 2019 that was expected to begin and finish in 2020 when the budget was adopted. The sources of that allocation are \$500,000 borrowed money within the Capital Projects Fund, \$250,000 in reserves within the Capital Projects Fund (borrowed money from 2019 for this purpose), and \$250,000 from the Parks Fund (i.e. - impact fees). The total borrowing in 2019 for disc golf, dog park work, and woodland clearing was \$350,000 and funds were not expended for these purposes until Jan-Feb 2020. So the total available allocation is closer to \$1.1 million for this work in 2020.

The budgets for the following projects are presented as follows:

- Disc Golf - \$246,000 (APPROVED, UNDER CONSTRUCTION)
- Woodland Clearing - \$38,240 (APPROVED, COMPLETE)
- Dog Park Expansion - \$38,278 (APPROVED, UNDER CONSTRUCTION)
- Total - \$322,518

Out of the \$1,100,000 available for this work there remains \$777,482 within this line item in 2020 to support this Facility's construction.

Concession Addition/Bathroom Renovation

The 2020 Budget for this project was set at \$165,000 to be split by the Capital Projects Fund and Parks Fund equally. With the addition of the bathroom remodel and some other improvements related to the project through the design process, the funding allocation is recommended to increase to \$265,000 for the project. The borrowing will be increased accordingly and we would continue to maintain the same split from the Parks Fund.

Open Air Shelter

The 2020 Budget for this project was set at \$35,000 to be split by the Capital Projects Fund and Parks Fund equally. It appears on track for that expense as the design is being prepared.

Total funds for all projects include \$1,077,482 to complete this work.

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:



BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended to take action to set schedule based on the parameters identified.

ATTACHMENTS:

None



VILLAGE BOARD SUMMARY SHEET

MEETING DATE: Thursday, June 18, 2020

SECTION: Business

DEPARTMENT: Administration

CONTACT:

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the creation of a Vegetation Management Use Policy as Chapter 3 of the Park System Policy Manual

PREVIOUS ACTION:

ISSUE SUMMARY:

Enclosed is an updated Turf Management Policy as Chapter 3 within our Park System Policy Manual. This incorporates the changes from the last meeting (shown in blue) and a few other changes from the Superintendent (shown in red).

The main change from the last meeting was shifting terminology from weed pressure to density. The thought process behind doing this is that it will be easier to explain and works better for data collection. A new section on turf management in general is added to help provide some flexibility and demonstrate other areas of maintenance that are possible other than just chemical application.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. Chapter 3 - Vegetation Management Policy 06112020 sl

CHAPTER 3 Vegetation Management Use Policy

SECTION 3.01 Purpose

It is the purpose of this policy to guide the vegetation management procedures and use of pesticides and fertilizers in Village parks and other properties maintained by the Department of Public Works (“Public Works”).

SECTION 3.02 Policy

It is the policy of Public Works to responsibly manage the vegetation for all Village properties. Village Staff shall use Integrated Pest Management (“IPM”) techniques to manage vegetation on all properties maintained by Public Works. Utilizing IPM techniques will minimize or eliminate the use of pesticides and fertilizers whenever feasible to promote good environmental stewardship.

SECTION 3.03 Definitions and Terms

- (a) **Applicator.** A person using pesticides on properties maintained by Public Works. An applicator can be Public Works Staff, hired contractor, or a volunteer. Hired contractors shall be certified and licensed to apply pesticides in Wisconsin by the Department of Agriculture, Trade and Consumer Protection (WDATCP). All Public Works Staff and volunteers shall be State certified or working under the direct supervision of a State certified applicator.

- (b) **Categories.**
 - (1) **Category “A” Areas.** Parks, recreation facilities and other Village properties that will have a 15% or less weed density. These areas include athletic fields due to player safety and parks and facilities that receive high public use or visibility. These areas are maintained with a pesticide application, fertilizer, and finish mower.

 - (2) **Category “B” Areas.** Parks, recreation facilities and other Village properties that will have a 16 - 30% weed density. These are general use areas where turf quality and appearance is important but not critical. These areas are maintained with a pesticide application, fertilizer, and finish mower.

 - (3) **Category “C” Areas.** Natural or native areas that will have a higher tolerance for weeds. These areas include natural areas such as ditch lines and roadsides. These areas also include native habitats such as prairies, woodlands and wetlands. These areas are maintained with rough cut mowers, prescribed burning, pesticide application and ecological restoration. Pesticide application is targeted towards invasive and non-native species within these areas.

- (4) **Category “Z” Areas.** Pesticide free areas within parks or whole parks. In an effort to minimize pesticide exposure, the Village will prohibit the use of pesticides within play structure borders and designated parks entirely as pesticide free. Although these areas are pesticide free, Public Works Staff will utilize pesticide alternative IPM techniques to alleviate weed issues.
- (c) **Fertilizer.** A chemical or natural substance added to soil or land to increase fertility.
- (d) **Hard Surface Areas.** Sidewalks/walkways, parking lots, trails, basketball courts, etc. in parks, recreation facilities and other Village properties.
- (e) **Integrated Pest Management (IPM).** This program is a sustainable, science-based, decision-making process that combines biological, cultural, physical and chemical tools to identify, manage and reduce risk from pests and pest management tools and strategies in a way that minimizes overall economic, health and environmental risks. IPM provides effective, all-encompassing strategies for managing pests in all arenas, including all forms of agricultural production, military landscapes, public health settings, schools, public buildings, wildlife management, residential facilities and communities, as well as public lands including natural, wilderness and aquatic areas. (National Road Map for IPM – 2018)
- (f) **IPM Coordinator.** Public Works Staff member responsible for developing and implementing the Village’s IPM program. The IPM coordinator shall be State certified under the Department of Agricultural, Trade and Consumer Protection’s (“WDATCP”) Pesticide Applicator Certification Program.
- (g) **Pest.** Any organism (microbes, plants or animals) that poses economic, health, aesthetic or environmental risk. Pests are context-specific, so an organism that is a pest in one environment may be benign or beneficial in others. (National Road Map for IPM – 2018)
- (h) **Pesticide.** Any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest (epa.gov). The term pesticide includes, but is not limited to the following: herbicide, insecticide, fungicide, rodenticide and animal repellent.
- (i) **Rinsate.** A diluted mixture of pesticide or pesticides with water, solvents, oils or other substances produced from cleaning application equipment and container rinsing.
- (j) **Weed Density.** Percent coverage of weeds of an application area.

SECTION 3.04 Integrated Pest Management (“IPM”) Practices

- (a) Pest management strategies may include education, maintenance, biological and mechanical controls, and pre-approved, site-appropriate pesticides.

- (b) An IPM decision at a park, recreation facility or other Village property shall consist of the following steps:
 - (1) Identify pest species.
 - (2) Estimate pest populations and compare to established action thresholds.
 - (3) Select the appropriate management tactics based on current on-site information.
 - (4) Assess effectiveness of pest management.
 - (5) Keep appropriate records.

SECTION 3.05 Category Classification

- (a) **Category A (15% of less weed density).** This includes the following parks and other Village properties:
 - (1) Arnold Larson Park
 - (2) Brandt Park – Softball Fields
 - (3) Lewis Park – Baseball Field
 - (4) Municipal Center
 - (5) Public Works Center
 - (6) William McFarland Park
- (b) **Category B (16 – 30% weed density).** This includes the following parks and other Village properties:
 - (1) Autumn Grove Park
 - (2) Brandt Park – General Open Spaces
 - (3) Cedar Ridge Park
 - (4) Egner Park
 - (5) Highland Oaks Park
 - (6) Lewis Park – General Open Space
 - (7) Legion Memorial Park
 - (8) McDaniel Park
 - (9) Orchard Hill Park
 - (10) Road Rights of Way and Road Median Strips
 - (11) Siggelkow Road Park
 - (12) Woodland Estates Park

- (c) **Category C** . This includes the following parks and other Village properties:
- (1) Conservancy Areas – Grandview, Taylor Road, Thurn Marsh, and Yahara River.
 - (2) Indian Mound Conservation Park
 - (3) Jaeger Park
 - (4) Lift Stations – All
 - (5) Marsh Woods Park
 - (6) Street End Lake Access – Beckler Street, Bellevue Court, Field Avenue, Lakeview Avenue, Larson Street, South Court Street, and Wisconsin Avenue.
 - (7) Wells #2 and #3
 - (8) Woodland Commons Conservancy Park
- (d) **Category Z (herbicide free)**. This includes the following parks and other Village properties:
- (1) All playground and sandbox structures
 - (2) Discovery Garden Park
 - (3) E.D. Locke Public Library
 - (4) John Urso Park (Dog Park)
 - (5) Lot(s) – Glenway Street, Long Street, and Terminal Drive.
 - (6) Ridgeview Totlot Park
 - (7) Valley Totlot Park
 - (8) Well #1

SECTION 3.06 Guidelines for Pesticide Use

- (a) Pesticides may be considered if non-toxic methods of pest control have shown to be ineffective; and the pest will cause unacceptable health or safety hazards, or an unacceptable decrease in the intended use of the property. When a pesticide must be used in order to meet the pest management objectives, the least-hazardous material, adequate for the application, will be chosen.

- (b) The IPM Coordinator and Applicators should stay informed of current best practices and consult with pesticide experts. A regular review and evaluation of current and alternative pest control methods shall occur annually.
- (c) Any use of a pesticide under EPA Special Review is prohibited.

SECTION 3.07 Practices and Procedures

(a) Pesticide Use Notification.

- (1) A standard notification plan that provides, at a minimum, readily visible posting for a period of 24 hours prior to a pesticide application (when possible) and a minimum of 48 hours following the application. These time intervals may be decreased or extended based on health or safety concerns and product label requirements.
- (2) It shall be the responsibility of the IPM Coordinator, or their designee, to inform the public of all pesticide treatment dates utilizing the Village website, Village run social media and an email sent to effected user groups a minimum of 24 hours prior to application. If a treatment is forced to be rescheduled, an updated notification must be posted and resent.
- (3) On-site pesticide use notification must include information consistent with the WDATCP requirements for commercial applications with:
 - (i) Pesticide common chemical or brand name.
 - (ii) Date and time of application.
 - (iii) Post-application or reentry precautions.
 - (iv) Date and time of reentry.
 - (v) Contact information.
 - (vi) Application site.

(b) Pesticide Application.

- (1) The controlled use of pesticides shall be applied using the following practices and procedures:
 - (i) The Applicator will follow application rates, methods of application, application guidelines and wear all personal protective equipment required by the product label and Safety Data Sheet (“SDS”).

- (ii) Spot application will be utilized as opposed to broadcast application whenever feasible.
- (iii) Caution will be used when applying pesticides along waterways, playgrounds, close proximity to storm drains, etc. and applied according to the product label or manufactures recommended setback or buffer zones.

(c) **Fertilizer Application.**

- (1) The controlled use of fertilizers to improve the growth of plants shall be applied using the following practices:
 - (i) The Applicator will follow application rates, methods of application, application guidelines and wear all personal protective equipment required by the product label and SDS.
 - (ii) Fertilizers may be used when establishing or re-establishing new turf areas.
 - (iii) The amount of fertilizer applied to Village properties will be determined by soil testing results, technical standards provided by Wisconsin DNR Turf Nutrient Management (1100) and the product label.
 - (iv) Fertilizers will be swept off or removed from hard surfaces.
 - (v) Fertilizers will not be applied within the required setback or buffer zone of any waterway or water conveyance system as indicated by product label.
 - (vi) If a fertilizer has restricted re-entry interval per label instructions, utilize the posting requirements for pesticide applications.

(d) **Turf Management.**

- (1) The use of IPM techniques to manage turf fields for aesthetics and user safety using the following practices:
 - (i) It shall be the goal of the Village to maintain healthy turf by means of aeration, thatching and organic fertilization.
 - (ii) An objective assessment, completed by the IPM coordinator, will gather data to estimate percent coverage of weeds of an application site. Data will be collected at random locations in the application site by means of quadrat frame sampling.
 - (iii) When a pesticide application is required to control the weed population for player safety or usability of turf areas the least hazardous material, adequate for the application, will be chosen.
 - (iv) Another assessment will be completed after the application to determine effectiveness of the application.

(e) **Record Keeping and Reporting.**

- (1) The IPM Coordinator will maintain records of all pest control applications and assessment data collection for at least seven (7) years. Information regarding pest management activities will be made available to the public at the Public Works Center. Requests to be notified of pesticide applications may also be made to this office, requests must be renewed annually. The Village is not responsible for undeliverable notifications.
- (2) The IPM Coordinator will create a yearend summary of pest management activities. The summary will be provided to the Parks, Recreation, and Natural Resources Committee.

(f) **Pesticide Disposal and Minimization.**

- (1) Applicators should create an application plan to determine the immediate needs of pesticide required. Only the amounts of the immediate plans should be purchased, stored, and prepared.
- (2) Rinsate should be reduced by using water-efficient measures to clean equipment and pesticide containers and utilize rinsate in future pesticide applications following the pesticide label.
- (3) Pesticides and rinsate that cannot be used must be disposed of according to local, state, and federal regulations.

(g) **Spill Prevention and Response.**

- (1) Precautions must be taken to prevent spills and be prepared for spill cleanup. Mixing, loading, emptying and rinsing must be done on an impervious surface. Spill absorbents shall be readily available in sufficient supply.
- (2) Applicators are responsible for immediate cleanup of any pesticide spills. All spills must be reported to the IPM Coordinator once the spill has been reasonably contained. In the case of large spills that may have an adverse impact on human health and/or the environmental, the spill must be reported to the Wisconsin Department of Natural Resources 24-hour Spill Emergency Helpline (1-800-943-0003).

(h) **Contractors.**

- (1) If Public Works finds it best to utilize a private contractor for a pesticide application, the contracts for these services will require the contractor to comply with this policy. All contracted Applicators will be provided a copy of this policy and a pre-spray meeting will be conducted to review the policies and procedures of this document.

- (2) The contractor will supply the IPM Coordinator with the following for each pesticide applied:
 - (i) Advanced notification of pesticide application to provide advanced notification.
 - (ii) Date, purpose, location, amount of pesticide solution used, and amount of active ingredient for each application.
 - (iii) Copies of product labeling and material safety data sheets for each pesticide applied.
 - (iv) Documentation of applicator certification and licensing for type of application.
- (3) The IPM Coordinator will monitor the application and assess effectiveness of application.
- (4) If a contractor is found to be out of compliance with this policy, this non-compliance will be considered grounds for terminating any existing contract the Village has with the contractor and the contractor will not be allowed to enter into a contract with the Village for one (1) year after the date the non-compliance was determined.
 - (i) A list of non-compliant contractors will be kept by the IPM Coordinator.
 - (ii) If the non-compliance is also in violation of product labeling, State or Federal laws, or any other reportable violation, the DPW staff member will be required to report the violation to the Wisconsin Department of Agricultural, Trade and Consumer Protection.

Adopted: June 22, 2020

Revised: None.

PARKS, RECREATION & NATURAL RESOURCES COMMITTEE

June 18, 2020

Parks Superintendent Report - June 2020

The following is information concerning events and activities of the Parks Department for the previous month. This information is provided in brief to provide an overview of the highlights.

Maintenance Operations

Trimming operations have ceased until we get back to full staff. Parks maintenance has taken priority. We have been able to catch up with turf mowing thanks to our new bagging system.

Tree Removals

We were contacted by 6113 South Court for removal of a large hazardous tree. The property was surveyed and ended up being the homeowner's responsibility.

Volunteering Parks

We have had a couple individuals doing invasive species management at Marsh Woods Park. Currently have individuals reaching out to do some garlic mustard pulling at various natural areas.

Currently working with local Boy Scout to renew the trail system created from Marsh Woods Park to Indian Mounds Conservation Park

Dog Park Expansion – Woodland Clearing Project

We are looking to move on this project with summer on the horizon. As we progress into summer the area will dry out to limit damage by equipment.

McFarland Black Lives Matter Gathering

The event took place at Arnold Laron Park on June 3, 2020 from 7:30 to 8:30. We prepped the park for the event by mowing and trimming, providing additional refuse bins and supplying extra tables for the organizers. The event was run very well and organized. Approximate numbers of attendees exceeded 200.

Facility Update

In Phase 1 of Forward Dane, open air shelters received two picnic tables. Enclosed shelters, restrooms, basketball courts and playgrounds remained closed as of 6/11. Madison Dane County Public Health will be evaluating data on 6/12. An update will be given at the PRNR meeting.

Meetings/Trainings/Seminars

Attending virtual WPRA and other local parks meetings to stay updated on the COVID-19 pandemic as it relates to parks and facilities.