



COTTAGE GROVE CITY COUNCIL

November 1, 2023

12800 RAVINE PARKWAY SOUTH
COTTAGE GROVE, MINNESOTA 55016
COUNCIL CHAMBER- 7:00 PM

- 1 Call to Order
- 2 Pledge of Allegiance
- 3 Roll Call
- 4 Open Forum
- 5 Adoption of Agenda
- 6 Presentations
 - A Mayor for the Day
Staff Recommendation: Appoint Mia Nemshick as acting Mayor for the day on November 1, 2023.
 - B Cottage Grove Holiday Events
Staff Recommendation: Receive the presentation outlining the upcoming holiday events within the community.
- 7 Consent Agenda
 - A Regular Meeting Minutes - October 4, 2023
Staff Recommendation: Approve the October 4, 2023, Regular Meeting Minutes.
 - B Special Meeting Minutes - October 18, 2023
Staff Recommendation: Approve the October 18, 2023, Special Meeting Minutes.
 - C Regular Meeting Minutes - October 18, 2023
Staff Recommendation: Approve the October 18, 2023, Regular Meeting Minutes.
 - D Advisory Committee on Historic Preservation Minutes
Staff Recommendation: Accept and place on file the minutes of the Advisory Committee on Historic Preservation from March 14, 2023; April 11, 2023; and August 8, 2023.
 - E Planning Commission Minutes - July 24, 2023
Staff Recommendation: Accept and place on file the minutes of the July 24, 2023, Planning Commission meeting.
 - F Approval of Rental Licenses
Staff Recommendation: Approve the issuance of rental licenses to the properties in the attached table.
 - G Accept Donations for 3rd Quarter 2023
Staff Recommendation: Adopt Resolution 2023-137, accepting donations received in the 3rd Quarter 2023
 - H Sale of Surplus Property
Staff Recommendation: Authorize Public Works to advertise and sell surplus property on Municibid.

- I F150 Lease Agreement with MN Department of Administration
Staff Recommendation: Approve the lease agreement for the F150 with MN Department of Administration-Fleet Services for 5 years, 85,000 miles at an estimated rate of \$10,216.44 per year.
- J Glacial Valley Park Building - Change Order #1
Staff Recommendation: Approve Glacial Valley Park change order #1 in the amount of \$42,434.61.
- K Marathon Community Investment Grant Acceptance
Staff Recommendation: Accept and approve the Marathon Community Investment Grant in the amount of \$5,000.00.
- L Boundary Adjustment – 7560 Harkness Avenue & 7675 Hardwood Avenue
Staff Recommendation: Adopt Resolution 2023-138 approving the boundary adjustment between 7560 Harkness Avenue South and 7675 Hardwood Avenue South.
- M Washington County CIP 2024-2028 Response Letter
Staff Recommendation: Receive the Washington County Draft 2024-2028 Capital Improvements Plan response letter.
- 8 Approve Disbursements
 - A Approve Disbursements
- 9 Public Hearings
- 10 Bid Awards
- 11 Regular Agenda
- 12 Council Comments and Requests
- 13 Workshops - Open to Public
 - A Fire Chief Candidate Interviews - St. Croix Room
*Staff Recommendation: Conduct the Fire Chief Candidate Interviews - **This Agenda item will be conducted in the St. Croix Room.***
- 14 Workshops - Closed to Public
- 15 Adjournment



City Council Action Request

6.A.

Meeting Date	11/1/2023		
Department	Administration		
Agenda Category	Action Item		
Title	Mayor for the Day		
Staff Recommendation	Appoint Mia Nemshick as acting Mayor for the day on November 1, 2023.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Mia Nemshick - Mayor for a Day essay</td></tr></table>	1.	Mia Nemshick - Mayor for a Day essay
1.	Mia Nemshick - Mayor for a Day essay		

Hello everyone!

My name is Mia Nemshick, and I'm a 4th grader at Grey Cloud Elementary School. I'm here to share my dream with you - A dream of being ~~the~~ Mayor of Cottage Grove, Minnesota, for a day! Now, you may be wondering why a 4th grader like me aspires to be Mayor, and I'll tell you why.

Cottage Grove is not just a place, it's our home, a community we cherish. I care deeply about our town and everyone in it, which is why I want the opportunity to be Mayor for the day. As Mayor, I would be your voice, ensuring that every idea and concern, no matter how big or small, is heard and acted upon.

But there's more to this dream, you see, I was recently elected to our school's student council, and that ignited a spark within me to learn about politics and how we can make a positive impact on our community. Being mayor for a day would be a unique opportunity to explore the world of local government, to meet with experienced leaders, and to understand how they make decisions that shape our town's future.

I'm passionate about preserving our environment, and as mayor, I'd lead initiatives like planting more trees, organizing clean-up events, and making Cottage Grove greener and cleaner. Imagine our town becoming a shining example of environmental stewardship!

And so with that, I promise to
be a responsible and compassionate Mayor.
With your support, we can make
~~the~~ Cottage Grove a place
where dreams come true. Thank you
for believing in me and this dream to make
a difference in our town! Regard,

Ma Nenshikg



City Council Action Request

6.B.

Meeting Date	11/1/2023
Department	Administration
Agenda Category	Action Item
Title	Cottage Grove Holiday Events
Staff Recommendation	Receive the presentation outlining the upcoming holiday events within the community.
Budget Implication	N/A
Attachments	None



City Council Action Request

7.A.

Meeting Date 11/1/2023

Department Administration

Agenda Category Action Item

Title Regular Meeting Minutes - October 4, 2023

Staff Recommendation Approve the October 4, 2023, Regular Meeting Minutes.

Budget Implication N/A

Attachments

1.	2023-10-04 City Council Meeting
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MINUTES

COTTAGE GROVE CITY COUNCIL

**COUNCIL CHAMBER
12800 RAVINE PARKWAY SOUTH**

October 4, 2023

REGULAR MEETING - 7:00 P.M COUNCIL CHAMBER

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on October 4, 2023, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey - Here; Council Member Dennis - Here; Council Member Khambata - Here; Council Member Olsen - Here; Council Member Thiede - Here.

Also present: Jennifer Levitt, City Administrator; Amanda Johnson, Assistant City Attorney-LeVander, Gillen & Miller, PA; Tammy Anderson, City Clerk; Ryan Burfeind, Public Works Director; Gretchen Carlson, Economic Development Director; Pete Koerner, Public Safety Director; Brenda Malinowski, Finance Director; Emily Schmitz, Community Development Director.

4. OPEN FORUM

Mayor Bailey opened the Open Forum. As no one wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Council Member Dennis made a motion to approve the agenda; second by Council Member Thiede. Motion carried: 5-0.

6. PRESENTATIONS

- A. Proclamation Honoring Hispanic Heritage Month
Staff Recommendation: Proclaim September 15 through October 15, 2023 Hispanic Heritage Month.

Mayor Bailey asked Council Member Olsen to read aloud the proclamation.

Council Member Olsen stated it was his honor and privilege to read this proclamation, after which Pete Koerner, Public Safety Director, will step to the podium, along with Rigo Aguirre, the National Latino Police Officers Association (NLPOA) representative in Cottage Grove. Council Member Olsen then read aloud the Hispanic Heritage Month Proclamation.

Motion by Council Member Olsen to proclaim September 15 through October 15, 2023 Hispanic Heritage Month; second by Council Member Khambata. Motion carried: 5-0.

- B. Recognition of Rio Aguirre - National Latino Police Officers Association's 2023 Lifetime Award
Staff Recommendation: Recognize Commander Rigo Aguirre's accomplishment of the NLPOA Lifetime Award.

Director Koerner and Officer Rio Aguirre stepped to the podium, and Mayor Bailey asked the Council Members to join him in front of the dais.

Director Koerner stated as we prepared the proclamation for this Council Meeting, one person really resonated with him, whom we will recognize tonight, St. Paul Police Commander Rigo Aguirre. Rigo was recently presented with the National Latino Police Officers' Association 2023 Lifetime Award at the National Conference in Orlando, Florida. Director Koerner spoke about Rigo: In his 20 years in law enforcement, Commander Aguirre has had numerous assignments, which Director Koerner detailed. He's held several positions with the NLPOA; he's currently the president of the Minnesota Chapter and is also on their Executive Board of Directors. The lifetime award is presented to someone who has shown great commitment to the mission and goals of the NLPOA and to the organization; Rigo has achieved that and more, as he's given thousands of volunteer hours of his personal time, and consistently gives his energy to the improvement of the organization. He supports, promotes, and contributes to the growth and success of the Minnesota Latino community.

Director Koerner stated some people might wonder why he's recognizing a St. Paul Police Commander; he has many professional praises, but he wanted to honor Rigo tonight because he's a family man who resides in Cottage Grove. He moved from St. Paul to Cottage Grove in 2004, and that says a lot about our community; there are many officers who want to live here because it's a safe community. Rigo has also become a good friend to many of us here at the Cottage Grove Police Department.

Director Koerner noted Rigo came to the Washington County Chiefs of Police Association and invited agencies to get involved in the NLPOA; so, he joined the association and it's been nothing but a pleasure to be a member of the NLPOA. Since joining, he and Community Engagement Officer Schoen attended some of their events; Director Koerner appreciated that Cottage Grove was recognized as one of the

departments that help contribute. A Woodbury member hosted their business meeting at the HERO Center, so, members from all over the metro saw the HERO Center and did some tours. Our Lions Club recently made a donation for a scholarship, so we're slowly bringing different organizations together. Last week, Rigo and Carlos were at our HERO Center Open House, had a table there, and were engaging with residents. Director Koerner stated as the Chief, it makes him proud that so many East Metro police officers choose to live in Cottage Grove and raise their families here; they know we're a great, safe community, and that says a lot. We'll be presenting Rigo Aguirre with an Outstanding Citizen Achievement Award; prior to doing that, he invited Rigo to say a few words.

Commander Aguirre thanked Director Koerner and the Council Members for this great honor. He appreciated the award of recognition, not only for himself but for the association. The NLPOA has been around for over 50 years nationally, 20 years here in Minnesota, and it's all about the partnership. Building this partnership with Cottage Grove has given us so much; being able to bring Cottage Grove into the NLPOA, to go to all these events, and be showcased on a national level is the key to these partnerships. He looks at Cottage Grove as a great place to live, many officers do, as this is a very safe place to live. You may have more officers living in Cottage Grove than anywhere else, including members of his family who are in law enforcement. Cottage Grove has somewhere around 4-to-5% Latino population, but that doesn't give the whole picture; you know how fast Cottage Grove is growing, you know all the development that's taking place, so if you look around, we've probably doubled the Latino population. That's also the community that we have to reach out to, not just what's on paper, what the census says, but also everybody who's coming through Cottage Grove, who uses Cottage Grove for business and pleasure. This is a great partnership. He appreciates being here, and he hopes we're going to continue to partner up with Director Koerner, the Police Department, and with the City to do bigger and greater things. He can't say enough about Cottage Grove and again said thank you for this great honor. Everyone applauded.

Mayor Bailey read aloud the Outstanding Citizen Achievement Award, which was signed by Public Safety Director Pete Koerner, but stated he, the Council Members, and the City staff are proud to have him residing here in Cottage Grove. Mayor Bailey stated they're very appreciative of all the work he's done and the support within the community as well as the City of St. Paul. He thanked Rigo Aguirre for his service, and presented him with the award. Everyone applauded, photos were taken, and the Council Members congratulated Rigo.

Mayor Bailey thanked Director Koerner for recognizing this opportunity and creating and promoting diversity in our community, City staff, and our Public Safety Department. As noted earlier, the demographics of our community are changing and changing for the better. He again thanked Rigo Aguirre for making Cottage Grove his home.

C. Fire Prevention Week Proclamation and Fire Department Open House Overview

Staff Recommendation: Proclaim the week of October 8 to 14, 2023, as Fire Prevention Week and receive a brief presentation about the Fire Department Open House.

Director Koerner stated we have a Fire Department open house every year, and it will be on Thursday, October 12, from 5:00 p.m. to 8:00 p.m. at the Central Fire Station. There will be demonstrations on kitchen safety by Steve Zaccard and Mike Dandl, kids will be able to operate the nozzle, and the ladder truck will be there. There will also be EMS demonstrations including CPR and Stop the Bleed. You also get to check out all of our fire trucks, which is especially exciting for kids. There will be more information on social media about this event.

Mayor Bailey asked Council Member Dennis to read the Fire Prevention Week Proclamation.

Council Member Dennis stated it's his privilege to do so, and read aloud the proclamation; the Fire Prevention Week theme is "Cooking Safety Starts with You, Pay Attention to Fire Prevention," effectively serves to remind us to stay alert and use caution when cooking to reduce the risk of kitchen fires.

Motion by Council Member Dennis to proclaim the week of October 8 to 14, 2023, as Fire Prevention Week; second by Council Member Thiede. Motion carried: 5-0.

7. CONSENT AGENDA

- A. Approve the September 6, 2023 City Council Special Meeting Minutes.
- B. Approve the September 6, 2023 City Council Regular Meeting Minutes.
- C. Approve the Off-Sale Liquor application for Bill's Liquor, LLC, located at 7155 Jorgensen Lane South, #150, Cottage Grove, Minnesota.
- D. Approve the Tobacco application for Bill's Liquor, LLC, located at 7155 Jorgensen Lane South, #150, Cottage Grove, Minnesota.
- E. Approve the Joint Powers Agreement with Washington County for elections administration.
- F. Approve the issuance of rental licenses to the properties listed in the attached table.
- G. Authorize the Fire Department to apply to the Firehouse Subs Public Safety Foundation for a grant up to \$35,000.00.
- H. Approve the appointment of Brad Petersen to the position of Deputy Director of Public Safety - Police Captain, effective January 1, 2024.
- I. Approve the Community Project Funding Grant Agreement B-22-CP-MN-0496 with the Department of Housing and Urban Development for the Shoppes at Cottage View Project.
- J. Adopt Resolution 2023-129 supporting the City's Minnesota Highway Freight Program application for the County Road 19A/100th Street Realignment Project.

- K. Authorize Resolution 2023-119 supporting the acquisition of a 50-acre portion of the Gustafson property by the Minnesota Department of Natural Resources and inclusion in the Grey Cloud Dunes Scientific and Natural Area.
- L. Adopt Resolution 2023-127 approving the final payment for the Hamlet Park Phase 3 Project to Miller Excavating, Inc. in the amount of \$81,769.11.
- M. Adopt Resolution 2023-128 approving the final payment for the 2023 Mill and Overlay Project to Bituminous Roadways, Inc. in the amount of \$27,322.28.

Council Member Dennis asked that we pull Items C and D, Liquor License for Bill's Liquor and Tobacco License for Bill's Liquor, for a separate vote. He will be abstaining from that vote as he had a connection with that property, so will recuse himself.

Council Member Olsen wished to pull Item H, Appointment of Brad Petersen to Deputy Director of Public Safety-Police Captain, for further comment and/or discussion.

Council Member Olsen stated he pulled this item to congratulate Brad on this tremendous opportunity. He's known Brad for many years and has watched him move from a patrol officer into a sergeant position and now into a captain position. It's truly been a pleasure. Brad is intensely focused on ensuring that the City of Cottage Grove Public Safety Department is the very best Public Safety Department in the State of Minnesota and, frankly, in the country. He has been instrumental with training in our department for many years. He does a tremendous job of leading the initiative of analyzing Use of Force in the City, and making sure that we are consistently reviewing all of those policies and procedures so Use of Force is something that is exceptionally rare in Cottage Grove. It was a very difficult decision for Director Koerner to make, as he had some unbelievably qualified applicants, who went through a rigorous process to become finalists, and he knows it left Director Koerner with several sleepless nights before making his decision. Director Koerner made a good decision, though he doesn't think he could have made a bad decision with the candidates from which he had to choose. He has every confidence that Brad will do a great job. He encouraged his colleagues to approve Item H, to appoint Brad Petersen to Deputy Director of Public Safety-Police Captain.

Motion by Council Member Thiede to approve the Consent Agenda without Items C and D; second by Council Member Olsen. Motion carried: 5-0.

Motion by Council Member Khambata to approve Items C and D; second by Council Member Thiede. Motion carried: 4-0 (Council Member Dennis recused himself).

8. APPROVE DISBURSEMENTS

- A. Approve payments for the period of 9-14-2023 through 9-27-2023 in the amount of \$2,037,722.93.

Motion by Council Member Dennis to approve disbursements; second by Council Member Olsen. Motion carried: 5-0.

9. PUBLIC HEARINGS - None.

10. BID AWARDS - None.

11. REGULAR AGENDA

- A. Declare Vacancy - Council Member Dennis
Staff Recommendation: Adopt Resolution 2023-130 accepting Council Member Dennis' resignation and declaring a vacancy. Approve the appointment process outlined in the memo.

Council Member Dennis read aloud his resignation letter, and noted the letter was addressed to the Honorable Mayor Myron Bailey:

"It has been my honor to serve the residents and investors of the City of Cottage Grove since January, 2015. I am extremely proud of the accomplishments made by our City Council, staff team, and those community members who have volunteered their time to make Cottage Grove a better place. I also carry tremendous appreciation toward the dignified way our Council has approached our call to service and the outstanding results we have achieved on behalf of the entire community. As you are aware, the past year has brought many changes for me; as a result, I have chosen to pursue aspirations that are more closely aligned with my current and future goals, personally and professionally. And while I ultimately arrived at the decision to resign from my position on the City Council, it has been extremely difficult because of my consideration and dedication to a place that's been my home for over 34 years. I will always care very deeply for our people but stand confident in knowing that we made an indelible difference. I am very proud of our entire work, but especially the following accomplishments, both team and personal:

- Solving a decades old blight in structuring a deal to bring a new grocery store and fill the old, vacant Home Depot store;*
- Accomplishing the all-time records for economic development success that has allowed us to grow the community in a way that brought tremendous value to the taxpayers;*
- Performing a relentless and dedicated approach towards a safe and clean water supply;*
- Achieving a AAA stable bond rating through exceptional fiscal management and planning;*
- Lastly, on this particular sheet, is in the entirety of my years of service, I have never missed a Council Meeting at this dais.*

Please accept my sincere thanks for your partnership and friendship over the years, it's always been my honor to serve as your Mayor Pro Tem, and as Vice President of our Economic Development Authority. I hereby resign all position and appointments at the conclusion of this meeting, October 4th, 2023. With kindness, regards, and gratitude in knowing that we moved our goals very far."

Mayor Bailey stated since Council Member Dennis is resigning, what is before us, Council, is to accept his resignation and declare a vacancy; starting tomorrow, staff will be sending out information to the public, taking in applications for those who would like to be appointed by the Council. We've done this once before, with Council Member Khambata, so this will be a similar process with timeframes that will be forthwith in the information.

Motion by Council Member Thiede to Adopt Resolution 2023-130 accepting Council Member Dennis' resignation and declaring a vacancy, approve the appointment process outlined in the memo; second by Council Member Khambata. Motion carried: 5-0.

12. COUNCIL COMMENTS AND REQUESTS

Mayor Bailey stated once it's his turn to make comments, he will ask all of the Council Members to join him in front of the dais. There are some guests in the audience who want to speak, and things that we want to share with Council Member Dennis on his final night here with us as a City Council Member.

Council Member Khambata told Council Member Dennis that he's been a mentor to him, and he really is a little heartbroken that you're not going to be sitting next to me.

Council Member Thiede mentioned as this is now October, Halloween is coming up and we've got the Monster Bash parade. So, he wants to get everybody excited about getting out there and putting on some costumes, walking in the parade; that will start on Saturday, October 28, at 10:00 a.m., at East Point Douglas Road between Applebee's and the School Administration Center on East Point Douglas Road. He encouraged people to be there or be scared.

Council Member Thiede also wished Council Member Dennis good luck.

Council Member Olsen stated obviously having to vote in the affirmative on 11A, to declare that vacancy, was a reluctant vote but a necessary vote. He knows that Council Member Dennis took this decision extremely seriously and pondered for quite a long time, and obviously, we all wish him very well. On a personal note, he simply wants to say that it has been an honor and a privilege to be able to serve with Council Member Dennis; it all started with a conversation between Mayor Bailey and Council Member Dennis and me at Caribou Coffee when he said, hey, I'm thinking I might want to do this, and he never looked back. He's an admirer of Council Member Dennis' work ethic and his passion and dedication to fulfilling the obligations of the role of Council Member.

It's something that he thinks we all take extremely seriously, and he knows that Council Member Dennis holds that responsibility in the highest regard, and stepping aside is a very difficult decision for you. As a constituent, somebody that Council Member Dennis represents, he's very grateful for what he's done for our community and for being a good listener and somebody that has definitely put their heart and soul into the position of Council Member. He thinks that's the only way you can do it well, at least that's been his experience. As a colleague, he remembers when we talked about if this was something that he wanted to do, as the Council was going through a challenging time then; we were not a united Council. Having you come aboard and provide us with that opportunity to heal some of those wounds and move forward in a very cohesive and comprehensive way made our community better. It made our Council better. You've always been somebody who has looked out for the team and defended the community with every ounce of energy that you have, and he's grateful for that as a colleague. As somebody who worked with you on the Beyond the Yellow Ribbon team for many years, your contributions, especially with the organization of the Memorial Day event, taking what former Council Member Jen Peterson had brought forth, you expanded upon that and made it even better, year after year after year. That's something that this community appreciates, it's something that he personally appreciates, and he knows our Beyond the Yellow Ribbon team appreciates; when we had to do it without you this last year, it was not easy, so, we'll try to maintain some semblance of the legacy that you built with that and we'll give it our best. He's grateful for all that you did with that. Last, but certainly not least, just as a friend, you've been somebody who has always had an open ear. When I have one of my crazy days that seem to happen more often as I get older, when I really need to bounce some things off of somebody, and get some perspective that I may not have, regardless of what the issue may be, I could always stop down to the shop and sit and visit or make a phone call. I'd benefit from good, sound, solid advice. I hope to continue to be able to do that, even though we won't be colleagues on the City Council; please don't change your phone number, that's all he's saying. Without getting overly emotional, just thank you for everything you've done, and thank you on behalf of the community for everything you've done. Change is a constant in life, and this Council will move forward from you and from me and from everybody else who's sitting up here at some point in time. All we hope is that we've left a legacy that people can be proud of and that they can build upon. He looks back at people like Rod Hale and all of the former Council Members who came before us, Conway Olson, and we stand on their shoulders. Now, it will be somebody else's opportunity to stand on yours; the good news is it's a pretty stable pair of shoulders, so, he thinks it will work out okay for all of us. Thanks again.

Council Member Dennis commented thank you, brother.

Mayor Bailey stated if it weren't for this being Council Member Dennis' final night, he could almost say ditto to Council Member Olsen's comments. He and Steve have talked about this many, many times; when he first got elected onto the Council, he thought we were down at Applebee's, and Council Member Dennis asked how far can we take this; Mayor Bailey replied as far as we want to go, and we have taken this City to absolute new heights, never seen before within Cottage Grove. He talked about things that

maybe the public doesn't really realize; it's funny because as a collective Council, everybody has different opinions on things, and we don't always agree. But when it comes to the end, we all are respectful to one another, and when he goes out and talks to other mayors and other council members in other cities, that's unheard of out there, that we have a respectful and respected Council. Council Members here respect each other, even when we may not always agree. The other part, too, is how we all kind of join together to support things; there are moments in life where you remember things vividly, you remember where you were and what you did, but he remembers us standing inside your liquor store with most of the lights off. What we were doing is we were building a wreath where the Council pooled our money together to build a wreath to have at the Holiday Train. Each of us put money in towards the wreath, and we each brought things to add to the wreath that represented Cottage Grove. That was one of those moments where you could just tell the teamwork; that's what makes certain things that we do so special because we do it because we love this community. Whether you're moving away from our community, you'll still call Cottage Grove home; it will still be a place for you, and you know you can always come back, too, you know that. Your son, who is in the audience tonight, is still here in Cottage Grove, so there's obviously going to be that opportunity for you to do that. Or it's the Fill the Boot Campaigns, doing fundraising events, not because you had to, bagging groceries, stepping in when there was a need for the Memorial Day event. Everybody loves the Memorial Day event that we have here, and there was a need for somebody to step up, and you stepped up, and you said I'm going to take this and we're going to run with it. So, he also appreciates the fact that you always, multiple times, if there was dissenting opinions maybe with certain people out in the public, you always tried to navigate that and tried to figure out how we can maybe in some way, shape, or form help them along the way. Maybe it isn't going to be exactly everything they want, but we try as best as we can or to at least explain to them the reason behind it. So, you will be missed big time. I will miss our after Council dinners and trading off steaks and things like that, as I love ribeye steaks. Steve has gotten me into rare; it started out at medium well, and I'm now at a rare, and I like rare, so, that's pretty cool.

Mayor Bailey asked the Council Members to join him in front of the dais. He asked Washington County Commissioner Karla Bigham if she wished to join them, and she did.

Commissioner Bigham presented Council Member Dennis with a Commissioner's Service Award from a grateful County for his nine years of service on the Cottage Grove City Council. We wish you luck, happiness in your future ventures, and thank you for friendship, which doesn't go away, and all the good memories, hard work, and dedication that you've done for this community. Thank you.

Council Member Dennis told Commissioner Bigham you and I have walked a lot of miles together, and thanked her.

Mayor Bailey stated Council Member Olsen is holding a plaque that we're presenting to Council Member Steve Dennis in appreciation for his dedicated service to the City of Cottage Grove from the City, but obviously, it's from all of the citizens in Cottage Grove,

the Council, and the staff. Again, on behalf of all of us, we do appreciate everything that you've done for this community. We obviously wish you great success in your future endeavors. Like we already said, you can come back anytime. Council Member Olsen presented Council Member Dennis with the plaque and congratulated him.

Mayor Bailey stated we're doing a proclamation to call Wednesday, October 4, 2023, as Steve Dennis Day in the City of Cottage Grove. He read aloud the proclamation, noting all of Council Member Dennis' multiple achievements during his tenure with the City. Everyone applauded and he was congratulated.

Council Member Dennis stated wow, when he thinks back on time, he's been trying to prepare himself mentally because people don't want to see an old cop cry. He wanted this to be a celebration, not a day of sadness, but a celebration of accomplishments and amazing things that we were able to do and achieve as a group of people that had a call to service and were dedicated to wanting to make a difference. He's been very, very proud to be part of the group, aligned here with everybody. He came at this from a position of gratitude. He was grateful for living in an amazing community where he had a home, my family lived here, I had a business for 20 years, my kids graduated from Park High School with a fantastic education. He was able to live an amazing life, and he wanted to take things that I learned about life and about business and be able to give back. And he was inspired by people like yourself and Justin and Karla and Dan Schoen and a number of other people who I saw were dedicated to wanting to make great things happen here, and I saw that actual work, and I saw the differences and changes that were occurring in the community. There was a time when it was difficult, when you guys advocated for this building we're in now, and there were certain people in the community that had a differing opinion; we can be respectful of that, but it turns out it was the right thing to do, it moved the community forward. It took courage to do that. You guys did that, and so, as a local business owner and a person who lived here and paid a lot of property tax between the two, I had a vested interest in wanting to bring some things I thought could make a difference. And so I worked on a plan and I had Katie Sieben reach out to me and got me connected with Karla, and talked with Dan and you guys, and we just decided to get behind it and make the push. And that's what really, that initial dedication, which is what allowed us to be able to accomplish these things. These things don't belong to me, they belong to everybody up here. So, it's a position of gratitude, and I'm more and more grateful. I always say the most successful person in the room should be the most gracious; that's me tonight.

So, you can't do this stuff by yourself, it takes a lot of people, a lot of friends. Start with family, Kathy, Greg, my son, who is here tonight; the first time he ever attended a Council Meeting, my last one, which is kind of cool. And all the friends and people that I knew through my business over the years, and people who volunteered on campaigns and came out and worked, and my gosh, three times elected. And to be able to get that much support out of the community is amazing; so, I appreciate everyone who got behind and did that.

I want to talk a little bit, very, very quickly about some of the accomplishments that were important to us. We've highlighted economic development; we own every single

sales record ever set in the City of Cottage Grove for any measured period of time for economic development success. What are those three areas? Residential, industrial, commercial and retail. We own all of that; that took a tremendous amount of work. We had to remake the wheel here, change some things, and put together a team of dedicated people that were built for speed in sales so were ready to come in and make things happen along with the support of the Council. You and I went to Vegas every year; we promoted this City, got it to a point where we were no longer oh, you're Cottage Grove, Oregon or Cottage Grove, Wisconsin, or whatever? No, Cottage Grove, Minnesota; everybody knew that, and those connections are what resulted in a lot of the opportunity that came our way, which is absolutely fantastic. I'm proud of the AAA bond rating; this is going to save the community millions and millions of dollars over the course of time by virtue of our financing costs to do projects that are necessary to protect the integrity of our assets. This is huge, a city of our size usually doesn't get that, and this came through a lot of dedication and a lot of great financial standard and good work. I want to mention very quickly that we provided as a Council tremendous support for Public Safety, Police, Fire, and EMS. Having a world class operation here, thank you, Pete, and everybody on the team; fastest response times, dedicated service, taking care of our end users, keeping our people safe. This has been absolutely incredible, and I'm so happy to have played a small role in doing that. As a Council, we funded the tools and the processes that allowed this to happen by virtue of the money that the community provided, and it has been fantastic.

I want to mention that as I look at things, I remember a quote from Don Shelby years ago, his final radio broadcast, and he says, "The thing people remember most about you is the last thing you did." Okay, so this is my last thing, right here, and it's a great message and it's a message of my hope for the community and positive reinforcement for things that will keep Cottage Grove moving forward. We have some of the most incredible staff. I've provided Jennifer with a little card, I don't know if she opened it yet, but inside of that I talk about the amazing people. This team could go and be measured against any team, any place; bottom line, fantastic. The people of the community have no idea how fortunate they are to have these dedicated public servants working on their behalf, it is world class. I hope that in my absence you guys will do everything possible to keep this team of people together as long as you can, and continue to source additional great people that can supplement what we do here and make things be even better.

One thing that we did this year is we created a Financial Management Plan; my recommendation is we stick to that plan. It's a 10-year plan, let's keep that thing moving forward, okay? Because that provides stability and success financially for the community. Do that, and it'll serve everybody really well. Also, continue to follow great financial principles; we've worked very, very hard to be stewards of the taxpayer money each and every day, to make hard decisions but to do what was best in the interest of the community long term.

I also want to ask the community for their support; normally, our mayor would never talk about an election up here, but seeing as I've now resigned, I'm going to talk about it, next year's election. There are three individuals who are going to be running for reelection here on this team, and I really ask the community for those who know me,

have known me over the years, and trust me, keep this group of folks intact: Myron Bailey, Justin Olsen, and Tony Khambata. These guys are absolutely fantastic, and they will do everything to make sure that our community stays moving in the best possible way. One of my absolute favorite quotes, and I'm going to end with this, some of you probably heard me say this one before: "Quality has no fear of time, and whether it be in the past, present, or future, the things that we do matter; and when we do things the right way, they never come back in a bad way." So, my ask and my support is for courage; if you ever want to reach out, I'm not going to change my phone number, okay? I'll be here as a sounding board, I'll come back to visit from time to time, but keep doing what we do because this is what makes this community the special place that it really is. So, I want to thank everybody here for that, but again, it doesn't belong to me, it's shared by everybody in this room. I'm deeply honored to have had a chance to be part of this here. So, thank you.

Everyone applauded, and photos were taken.

Mayor Bailey stated after the Council Meeting is completed, Council, staff, and some guests who have joined us will be having a little gathering at the River Oaks Golf & Event Center to commemorate and celebrate, as Council Member Dennis said, the years of success in having him part of our amazing team.

13. WORKSHOPS - OPEN TO PUBLIC - None.

14. WORKSHOPS - CLOSED TO PUBLIC - None.

15. ADJOURNMENT

Motion by Council Member Dennis, second by Council Member Thiede, to adjourn the meeting at 7:55 p.m. Motion carried: 5-0.

Mayor Bailey stated Council Member Dennis you are hereby relieved; Council Member Dennis replied, Mayor, I stand relieved.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk.



City Council Action Request

7.B.

Meeting Date	11/1/2023		
Department	Administration		
Agenda Category	Action Item		
Title	Special Meeting Minutes - October 18, 2023		
Staff Recommendation	Approve the October 18, 2023, Special Meeting Minutes.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>2023-10-18 City Council Special Meeting</td></tr></table>	1.	2023-10-18 City Council Special Meeting
1.	2023-10-18 City Council Special Meeting		

In accordance with the requirements of Minnesota Statute Section 13D.02, Council Member Khambata will appear remotely via interactive technology from the following public location: Hilton Garden Inn Conference Room, 101 East Hiawatha Drive, Wisconsin Dells, Wisconsin, 53965

MINUTES
COTTAGE GROVE CITY COUNCIL
COUNCIL CHAMBERS
12800 RAVINE PARKWAY SOUTH

October 18, 2023

SPECIAL MEETING - 6:00 P.M.
TRAINING ROOM

1. CALL TO ORDER

Mayor Bailey called the Special Meeting to order at 6:00 p.m.

2. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey-Here; Council Member Khambata-(Present after Roll Call taken); Council Member Thiede-Here; Council Member Olsen-Here.

3. REGULAR AGENDA

- A. Workshop - Development Project by Roers
Staff Recommendation: Provide feedback and direction related to the proposed project, proposed building height, and requested TIF assistance by Roers Companies.

Mayor Bailey stated this workshop meeting tonight is a development project by Roers. He asked those present for this meeting to introduce themselves, which they did: Council Member Justin Olsen; Mayor Myron Bailey; Council Member Dave Thiede; Monique Garza, Board Member, Cottage Grove Area Chamber of Commerce; Jennifer Levitt, City Administrator; Gretchen Larsen, Economic Development Director; Schane Rudlang, Ehlers; Ryan Burfeind, Public Works Director; Tammy Anderson, City Clerk; Peter Koerner, Public Safety Director; Brenda Malinowski, Finance Director; Tony Khambata, City Council Member; Emily Schmitz, Community Development Director; Mike Mroska, Senior Planner; Travis Fauchald, Senior Development Associate, Roers Cos.; Pete Costanzo, Kaas Wilson Architects; Logan Schmidt, Developer, Roers Cos.; Sam Trebesch, Principal Engineer, Roers Cos.

Mayor Bailey welcomed all of the guests, stated he appreciated them spending time with us to go through this project.

Mr. Costanzo stated he's been working with Roers for the past couple months on their Concept Plan for 6850 East Point Douglas Road. We thought it was a good time to bring this forward and ask Council to review it and discuss some options. He stated Travis and the Roers team would speak now.

Travis stated Roers Cos. is a multifamily developer based in Minnesota. We're very excited about the project and appreciate the opportunity to be here. We will introduce the project and talk through the next steps in conjunction with our PowerPoint presentation. Roers Cos. has been in business for ten years and done a number of projects, initially in North Dakota and other regions; over the last ten years, they've grown considerably to 200 employees. We've attributed our growth to being a full service real estate development company: We build our projects with general contractors in Minnesota, Florida, and Texas; once the projects are up and running, we have a property management company to manage them. We have done a lot of work in the Twin Cities and surrounding suburbs, including Woodbury and Oakdale, some are under construction in Rosemount and West St. Paul; so, we have a lot of experience in multifamily project types. We also do Mixed Use with some retail, but predominantly focus on multifamily residential communities, including senior 55+, affordable workforce, and market rates. We like to be in the room to seek feedback from the city in which we're working. We want to be a good partner with the City, so want to propose a quality project that will benefit the residents, our neighbors.

Tonight we want to seek some feedback on a 144-unit workforce housing project on East Point Douglas Road, with some units restricted at or below Washington County's AMI (Area Median Income). The regular units will be unrestricted, but hope to have the flexibility to have them below market-rate rents. With the affordable housing, we are going to have a TIF request, which we can discuss later. We're really excited about the project, as off Highway 61 it will have a lot of visibility, it will stand out. We'll make sure its exterior fits with the City's requirements as we work on the site plans, and will make sure it's a focal point for the community. A similar workforce project we've done is Axle Apartments in Fridley, and its a really strong asset for Roers; its very similar to this proposed Cottage Grove project, with really nice amenities, and will look and feel like a market-rate project. This project will have exterior balconies, and interiors will have quartz or granite countertops and stainless steel appliances.

Travis stated we're here because we understand there's a need for affordable housing, it's one of the City's goals, and we know Cottage Grove is a growing suburb, so it's very attractive from a development perspective. We think this project will meet many of the goals the City has set forth in its Comprehensive Plan, including land use goals and current Zoning Districts. There are some site constraints that will force us to kind of deviate from some of the design and performance standards; the topography, stormwater, and gas lines are the main ones. We're going to do whatever we can to kind of fit the City's zoning codes.

We're excited to provide affordable housing wherever we can; we originally looked at this one as being 100% affordable, but with the time it takes to get tax-exempt bonds, the interest rates, and variable construction pricing, in order to make this project work we are providing some higher workforce level rent. We're happy to propose a variety of

different income levels and a housing project that will be right next door to bus and other public transportation. He knows some other groups have looked at doing a project here, but we're confident with our design team we can get the project done, and it will look awesome. In addition to the housing and land use goals, the amenities of this project will include a trail system that we're going to install, as well as private open space.

Travis stated as he mentioned earlier, given the gas pipeline, the topography, the underground stormwater ridge build, the amount of soil that needs to be extracted from the site, and the interest rate environment we're in, we're going to need to request funds from TIF to get the affordable housing units built. TIF is unwilling to do market-rate projects, which we understand. With the affordable housing needs here, that's what we want to provide. So, if TIF is available, we'd love to provide those units.

Tonight, we're seeking some Council feedback on the project and the design. Right now, we're in a position to submit for preliminary plat and site plan approval as soon as later this week, if there's no feedback or design requests, aside from the ones we discussed earlier. Travis stated he'll open it up to questions about us and the project.

Mayor Bailey thanked Travis for sharing the information. He stated he had some questions, as did the other Council Members.

Mayor Bailey noted Travis had mentioned the West St. Paul project; he asked which project is theirs in West St. Paul. Travis replied that project is called Savor Apartments, which is another workforce community. It is built and has been leasing, it's a Mixed Use project with some retail.

Mayor Bailey stated when reading through the packet, it sounded like from staff's perspective, Roers is comfortable with the trail connection and Camel's Hump. It sounds like you're also working with the different class of materials. Travis brought up a great point, which is very important to us: It will be the first thing people are going to see coming into Cottage Grove versus the other two projects there. So, of course we want it to look great.

Mayor Bailey asked Director Koerner if Public Safety is comfortable with the height of this building. Director Koerner replied Fire Chief Rick Redenius is good with it, so there are no public safety concerns.

Mayor Bailey stated that as it is built, some of it will be more into the hill, so asked if the end that's towards Highway 61 is going to be the taller portion of that building.

Travis replied that's correct; the north side will be built into the hill with an underground garage, but the south-facing elevation towards the highway will be a little bit higher.

Mayor Bailey stated that's kind of like how The Legends are, and stated he likes what he sees. He told Travis he's correct, we've had a number of people come in to try to figure out a project for that area; so, if you've found the right piece to fit the puzzle down there, in his opinion, he thinks it's a great addition to that area.

Council Member Olsen stated obviously when we do any kind of affordable housing project, there are several financial elements that need to come together to make that work. He heard Travis mention TIF; he assumes he's also explored all of the various tax breaks and other opportunities that might present themselves to you financially. He

asked as you think about TIF for this project, do you have an idea of length of time that you're looking for with a TIF District. He asked if they'd talked about that at all.

Travis replied yes, they've been working with Mike and with Ehlers on an initial underwriting. He thinks right now, we're sitting at 15 years of TIF, based on the current other numbers.

Council Member Olsen asked if that was accurate.

Schane replied where we're at right now is 10-to-15 years, with underwriting, we're at 10 years. There should be a memo that was provided to the Council outlining that. The costs are still fluctuating, so we are open to continued conversations, but right now, we're looking at 10 years.

Council Member Olsen stated he asked because those TIF Districts tend to fluctuate based on how you massage the numbers, and we're talking about some exterior façade things that need to be addressed, etc. The trap that he would not want to fall into is making it too long of a TIF District; we've done that before, and it's certainly something you can do, but it doesn't mean you should. He just wants to be careful about that.

Council Member Olsen stated he's sure Director Burfeind has been involved with the stormwater situation here; we're looking at underground stormwater for this. He asked if we had to do it that way or was there just no other option. Council Member Olsen stated he knows we've got some stormwater ponding in the area for the other facilities.

Director Burfeind stated there's a pond that's on the cul-de-sac and that actually takes like East Point Douglas Road, and there's a pond actually uphill because there's a ravine that comes down, but it is obviously a very tight site with that gas pipeline. So, he thinks that takes care of all the constraints they were discussing.

Council Member Olsen stated that just sounds more expensive to him, so that's why he was asking the question; Director Burfeind confirmed it is more expensive. Council Member Olsen stated if we do that and some other things, if we're concerned about expense, he just wants to know that we explored all of that.

Council Member Olsen asked if they had talked to the neighbors or if have had conversations with some of the other facilities that are in the neighborhood about what you're planning. He knows the others in that area are pretty proud of their area, they really like it, and he's certain that there will be some people who probably would be resistant to any sort of change. He asked if any kind of outreach had been done.

Travis replied there has not been yet, but over the course of seeking site plan approval and requesting any variances, we would certainly have a neighborhood meeting; they would mail all the neighbors within a certain number of feet from the parcel.

Council Member Olsen spoke about the annual Night to Unite, previously National Night Out, and we do noon outs where we go to the retirement communities. When we go there, we get peppered with questions about their little piece of the pie and future developments and their effect on traffic; they're very sensitive to that, so he encouraged them to please do their best to make friends with them.

Planner Mrosia stated something we've discussed with the applicant is holding onsite meetings at both The Legends and White Pine on separate days.

Mayor Bailey stated he doesn't think anybody down there is against anything, but they just want to know what we're going to do down there, want to be in the loop. If you

have advance meetings to share information with them, he thinks they'll gain some actual cheerleaders for their project.

Council Member Olsen stated it looks like a nice project. If we can make the necessary adjustments on façade, he thinks it will be a real nice addition to the area. Mayor Bailey stated he agreed.

Council Member Thiede told Director Burfeind he had concerns about the traffic, as he understands it will be one way in and one way out. Director Burfeind stated yes, in terms of East Point Douglas Road, it's south, and there are no issues with that. It's just a two-lane road, but traffic could be a lot lower than what a lot of our two-lane roads are that go through other neighborhoods, so, there are no issues there. We'll obviously continue to watch the intersections on Hardwood; he's doing a warrant analysis for Hardwood Court, and further down the road would be Harkness. Council Member Olsen stated it's getting busier with Pizza Ranch, and everyone agreed. Director Burfeind stated we'll continue to watch those. We're doing the preliminary design for the signal at Hardwood Court; we'll have to continue to talk about that because it doesn't meet warrants yet, but we want to be ready, as that's in the CIP so we're good on the preliminary designs for that.

Council Member Thiede stated otherwise it looks fine to him. He asked how many stories it was going to be. Travis replied it will be six stories on the highway side; up the hill, it's five stories, there are going to be two levels buried underground on that side.

Council Member Thiede stated it's always good to kind of see how it fits with the other buildings that are there, how it will look with White Pine, in terms of the height. Sometime it might be nice to see how it will look if you drop White Pine in there and see how it will look with the elevation, etc.

Administrator Levitt asked Travis if they had included that information in their presentation; she knows that's in the staff report. Travis replied that they're not in the presentation, but they are in the staff report. He could pull those up for some perspective if that would be helpful. Mayor Bailey stated we could do that later; his assumption is that some of those floors, because of how far up White Pine is, will be fairly close just because of how far down Roers is going to have to go in on the other side.

Administrator Levitt stated they also spent some quality time on a shadow analysis of how it would face the adjacent properties, and that information was in the packet.

Council Member Olsen asked if they had any concern about the trees or tree mitigation or anything like that. Administrator Levitt replied when Frank Frattalone developed this site, a lot of that had already taken place and been mitigated. Council Member Olsen stated it's actually a very beautiful area. That's another thing that the retirement communities really like is that it's almost got its own sort of personality, it's sort of peaceful and green.

Travis stated one thing we didn't talk about through the proposal is we want to try to preserve a lot of trees. That's one thing that Director Zac Dockter brought up during our earlier discussion of the trails was to make sure there's some tree preservation.

Council Member Olsen asked if they'd already done the tree inventory; Travis stated he believed the City had already done the inventory, which was confirmed. As mentioned, we're pushing the building a little further north, so we're impacting some trees, but the bulk of the hill will remain.

Council Member Khambata thanked everyone from the Roers group for putting in the time that they have for this project. He knows that building affordable housing has become increasingly difficult with an increasing number of hoops that need to be jumped through or navigated to get it done. With that, he's curious if they have or would consider Section 42 for additional funding. As you had stated, the time it takes to do that can be problematic, but he knows that 50% of AMI is nice, but that's still \$51,000 a year that somebody's making if they're at 50% of AMI. So, on the Council side, he would really like to see some more 30% AMI. He's looking for insight from Roers, having kind of done a feasibility study on the area, what would it take to get some 30% AMI housing incorporated into this project or is it just not feasible.

Travis stated we originally looked at doing a Section 42, 4% bond yield, and ultimately what drove us to prohibit from an affordable project to a workforce project was feasibility; ultimately, it was not financially feasible to get a project across the finish line with the 30% units with 50% a fair market unit. If we were to provide more 30% units here, it would come at a much larger TIF request, depending on how many units were proposed. We can certainly take a look at it and run the numbers and see if it might be feasible.

Council Member Khambata stated he knows there's a lot banking on that question, so he wasn't anticipating that you'd have a quick response. He was just curious as we continue to try and promote affordable housing in the community, we like to promote that we have shovel-ready projects. He's curious to learn more what a 30% AMI project looks like or what a shovel-ready opportunity looks like for a company like Roers to want to move forward. So, in the future, when those opportunities present themselves, we can maybe kind of bring those pieces together.

Council Member Khambata asked other than on this project, with regard to the 50% AMI, is that something that would stay at 50% AMI for perpetuity, or are you seeking that just for the life of the TIF. What's your long-term goal with the property and with those rental rates.

Travis replied those restrictions would run with the housing TIF District, so, it would be for the 26 years of the TIF District that that restriction would be implemented. So, that's what our plan would be. At that point, 30 years from now, we could reevaluate and see if it still made sense to do that, but that's what it would run with.

Council Member Khambata asked if you say that you want to keep the other units below market rate, do you have any projected rental rates for studio, one bedroom, two bedroom, and three bedroom options.

Travis replied, off the top of his head, a studio would run around \$1,200 per unit, a one bedroom would be \$1,300 to \$1,400 per unit, a two bedroom would be \$1,700 to \$1,800, and a three bedroom would be around \$2,000 to \$2,200. We intend to be \$100-\$200 below what Grove80 might be charging on a new market-rate community. Travis asked Schane to share those numbers. Schane stated for the market-rate units, they're

currently at \$2.17 a square foot for rent, prorated, for all of the units; so, that puts the studio at \$1,425, a one bedroom at \$1,575, a one bedroom-den at \$1,800, a two bedroom at \$2,015, and a three bedroom at \$2,615.

Council Member Olsen stated that's really close to Grove80. Mayor Bailey added Grove80 said that's the market rate.

Council Member Khambata stated his initial impression of the project is he thinks it's a thoughtful use of that parcel. To Council Member Olsen's earlier question regarding the neighbors, he thinks that's an important aspect. Every time Council Member Khambata is in that area, the residents want to know what's next. He feels having neighborhood meetings with the surrounding communities would serve you well in getting useful feedback. So, when you bring this back to us for further approval, we can kind of tweak that and have everything ironed out before we get too deep into it and then have to try to sell it; that's been our experience with other projects that have come forward. The neighborhood meetings tend to bear some fruit for the developer in terms of finding out how to make the new addition fit well into the community.

Mayor Bailey asked what's your timeframe, when are you looking to get into the ground.

Travis replied we would be looking to hopefully submit very shortly, we may pause to submit site plan approval and preliminary plat to receive neighborhood feedback, but ultimately we will be submitting for those approvals in the next month or two. We would then begin working on architecture drawings in the meantime, and those can certainly be modified and changed depending on the feedback that's received. We would be seeking to submit our construction drawings in Q1 of 2024, to ultimately work alongside tending up our bank, raising money, and facilitating our equity investment so we'd ultimately be closing on the financing. He'd say our reasonable timeline to have a shovel in the ground would be late Q2 2024 if all things go well, barring anything that's out of our control.

Mayor Bailey stated that we know weather can play a big part in that, too.

Council Member Olsen stated speaking of financing, as Council Member Khambata suggested, maybe just run us some numbers with respect to the 30% AMI vs. 50% AMI. Obviously, the first thing that popped into his mind was that's a longer TIF District, and he understands that, but he still thinks there's value in running those numbers. He'd be really curious to see what that would look like in real terms, relative to the length of the TIF District and whatever other financing nuances need to be put in place. Information is power, and we certainly appreciate that you're coming to us with a project like this. If there is a way to make that happen that's amenable to all involved, that could be a big win. So, if you don't mind just doing a little bit of number crunching, he knows he'd sure appreciate it, and he assumes Council Member Khambata and the rest of the Council would. Our friends at Ehlers probably already did it, they're that good; Schane stated it's close, but not quite.

Mayor Bailey stated once you get to the point where you're going to have conversations with the two neighboring facilities, White Pine and The Legends, come up with your terminology of what to use for workforce housing; that's because sometimes people

have this thought in mind that there's going to be, with all due respect, hoodlums and crime, etc., which is not accurate. You're also dealing with older clientele there, so, he wants them to be aware of that when you hold those neighborhood meetings. Mayor Bailey stated he might also plan to attend those, just because he knows a lot of people who live there, and he wants them to understand that this looks like a really good project. People look at the word workforce, and some people call it Section 8 housing or low-income housing. There are all these terms out there, which change over time, so he doesn't know what the newest term is these days, but he'd like to try to soften that comment.

Council Member Olsen told Roers they will ask you about security, and they'll also definitely ask you about parking.

Travis replied that sounds great, we're working on other affordable projects, so, we're very comfortable with that conversation.

Mayor Bailey stated when you talk to the residents in that area, they definitely have their opinions, which is fine.

Travis stated that's why we think it will be a good idea to hold the neighborhood meetings at those specific sites; we can work with the property owners of White Pine and The Legends to determine a good time to do that.

Mayor Bailey asked staff if there was anything else that we need to discuss, and they indicated no, there wasn't.

Mayor Bailey asked Council Member Khambata if he had anything else he wanted to add. Council Member Khambata thanked Roers for their time and the effort that they put into this. He likes the overall scope of the project, and he echoes what Council Member Olsen said; if there's a way to make 30% AMI obtainable, he thinks it's a conversation worth having.

Mayor Bailey told Roers that we'll look forward to seeing them all again sometime in the near future.

Travis stated he appreciated the Council's time, and he'll be back.

Mayor Bailey confirmed with Travis that they got what they needed from the Council, and he replied yes, they certainly did. Council Member Olsen and Mayor Bailey also thanked Roers for their presentation.

4. ADJOURNMENT

Mayor Bailey adjourned the meeting at 6:38 p.m.

Minutes were transcribed by Judy Graf, reviewed by Tamara Anderson, City Clerk.



City Council Action Request

7.C.

Meeting Date	11/1/2023		
Department	Administration		
Agenda Category	Action Item		
Title	Regular Meeting Minutes - October 18, 2023		
Staff Recommendation	Approve the October 18, 2023, Regular Meeting Minutes.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>2023-10-18 City Council Meeting</td></tr></table>	1.	2023-10-18 City Council Meeting
1.	2023-10-18 City Council Meeting		

MINUTES

COTTAGE GROVE CITY COUNCIL

October 18, 2023

**COUNCIL CHAMBER
12800 RAVINE PARKWAY SOUTH**

REGULAR MEETING - 7:00 P.M COUNCIL CHAMBER

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on October 18, 2023, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m. He noted in accordance with the requirements of Minnesota Statute Section 13D.02, Council Member Tony Khambata will appear remotely via interactive technology from the following public location: Hilton Garden Inn Conference Room, 101 East Hiawatha Drive, Wisconsin Dells, Wisconsin, 53965.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey - Here; Council Member Khambata - Here; Council Member Olsen - Here; Council Member Thiede - Here.

Also present: Jennifer Levitt, City Administrator; Amanda Johnson, Assistant City Attorney-LeVander, Gillen & Miller, PA; Tammy Anderson, City Clerk; Ryan Burfeind, Public Works Director; Gretchen Larson, Economic Development Director/Acting Communications Director; Zac Dockter, Parks and Rec Director; Joe Fischbach, HR Manager; Pete Koerner, Public Safety Director; Brenda Malinowski, Finance Director; Amanda Meyer, City Engineer; Mike Mroska, Senior Planner; Emily Schmitz, Community Development Director.

4. OPEN FORUM

Mayor Bailey opened the Open Forum. He stated Robert Ebennga, 6999 East Point Douglas Road, had signed up to speak. Mayor Bailey asked him to step to the podium, and noted Mr.Ebennga had some concerns about sidewalks.

Robert stated he brought in a photo of what he's talking about on his tablet so Council could see what he was talking about so there's no misconception about what he's doing, because it's pretty serious and we have to fix it. He handed his tablet to Director Burfeind, who showed the photo to the Council. He stated he lives at 6999 East Point Douglas Road, in the Dominion's property, and there's a sidewalk that runs on the opposite side of the road from Dominion property. It's a City property, and it's a sidewalk that the City should be maintaining, not left like it is. This has been this way for over a year now, with that hole in the sidewalk. He guesses what the City is looking for is one big lawsuit by not fixing it, and it costs maybe \$20 to send a man out there to put something in it. There's no excuse for that hole to be there for over a year when you have nothing but senior citizens walking in that area 24 hours a day, 7 days a week, with cats and dogs. When they run, you don't know where they're going to run to, and you're going to have somebody fall in that hole, and you better have deep pockets because you will need them. Thank you, I wish you could get that done in the next 48 hours before somebody does get hurt.

Mayor Bailey stated Council Member Thiede had a question for Robert.

Council Member Thiede asked Robert if he had actually brought this photo to anybody in the City to let them know. Robert said he has brought it to nobody at the City, he's just bringing it to your attention now.

Mayor Bailey told Robert that we have his information. Once we get feedback from our Public Works teams on what they're going to do about this or why it's there, what they'll do is provide their feedback to you and directly to the Council so you'll know what's going on.

Robert said have Tammy email me, he thought she had his email address over there. Mayor Bailey stated absolutely.

Council Member Olsen and Mayor Bailey both thanked Robert for letting us know, to which Robert replied thank you.

As no one else wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Council Member Thiede made a motion to approve the agenda; second by Council Member Olsen. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye.

Motion carried: 4-0.

6. PRESENTATIONS

- A. Washington County Food Scrap Program
Staff Recommendation: Receive the Washington County Food Scrap Program Presentation.

Mayor Bailey stated Washington County Commissioner Karla Bigham is here to start the introductions of guests from Washington County, who are here tonight.

Commissioner Bigham thanked Council the opportunity to speak here tonight. For the last few months, we've been in a pilot phase of a specific area of our community, Newport, North St. Paul, and Maplewood. She's here to announce that every resident in Cottage Grove and the other three communities can now participate in this amazing program. She gave a shout out to the staff, who have been out all summer and fall at various events, including Fire Department open houses, booyas, and they're still not done; they still have more events to attend to just talk about this program and get citizen feedback. She thinks that's really made a lot of difference. We've been promoting this on social media, so she encouraged residents to also check that out. She has staff here, as well as some starter kits, the cost is under \$5. For Cottage Grove, Newport, North St. Paul, Maplewood, and Washington County residents, the starter kits will be available in Newport.

Commissioner Bigham turned the presentation over to Anna Lee Garletz, who is here to talk about the details and give some feedback about the website.

Anna stated she is with Ramsey-Washington Recycling and Energy and is the supervisor of this Food Scraps pickup program. As Commissioner Bigham mentioned, she'll run through a little bit about how the program works, how easy it is to sign up, and if there are any Cottage Grove residents in the audience here, we have some trial kits available at the back of the program. We'd love it if they grabbed one of these, took it home, and gave it a try so that you could sign up for the program.

Once you determine what size bag you would like, you can go online to order your free supply of food scrap bags. You collect your food scraps in the bag and believe it or not, you put these in the trash. They're thicker than regular compost bags, you fill them up, tie a knot, and put it in your trash or your dumpster for collection. From there, it gets hauled away and it gets sorted out at the facility.

Now that it's fully rolled out in Cottage Grove, we did a pilot in the four communities, and we thank Cottage Grove for letting us do the pilot, as you were kind of a guinea pig as we were learning about the program and how it works. We piloted it with a total of a little over 2,000 people, they were given the opportunity to participate in the pilot program, and we were able to gather a lot of information. There are lots of moving parts for the program, we learned about customer service, worked with haulers, worked on ordering and delivery. We developed a website and worked with staff and vendors. From that, we were able to identify education; we were able to do a lot of testing and a lot of learning. All households should have received a postcard, and they'll soon start seeing geo-targeted ads letting them know that they're eligible for the program and can sign up. We've also attended community events, and if City Council Members know of any other future events, we'd love to attend those. If you think there's a good opportunity, please let us know.

There are a lot of resources that we have available if there are any questions that people have, we have a phone number that people can call, which is on the website, and information is available in five different languages. We have videos, instructions, and different notifications that people can opt into. Right now, as of September 29, 2023, we have just under 5% of the eligible population in these communities signed up.

We're excited to see more participants rolling in each day. Food scraps make up about 20% of the waste that goes into the trash; so, by participating in the program, we're keeping that amount out of the trash. She knows Council has a busy agenda tonight, so she'll stand for any questions if there are any.

Mayor Bailey thanked Anna for being here tonight and Commissioner Bigham for kind of spearheading this for our neighborhood communities in this part of Washington County. He had the opportunity a couple months ago to take a tour of the Newport facility to see how that technology works, the machine that picks these bags out of the trash was unbelievable to him, the artificial intelligence was pretty amazing. He definitely encourages everyone to sign up and help reduce the amount of product that goes into our landfills, as the ultimate goal here is better composting of this kind of product. He spoke with Commissioner Bigham about what that means from a future standpoint if we can get more and more people to do this, so he thinks that's great.

Council Member Khambata stated he's just happy to see that this has taken off. He remembers the first time Commissioner Bigham came here to discuss this project with us, and he's glad to see it's getting rolled out on a larger scale.

Council Member Thiede stated we have the Monster Bash parade coming up on October 28, and if you go to the Strawberry Fest site, you can get signed up if you want to walk down the street and have people hand out trial kits, you can let him know.

Anna stated we can talk about that; maybe Commissioner Bigham wants to do that. Mayor Bailey stated he knows Commissioner Bigham is going to be there.

Mayor Bailey thanked Anna again for coming here to share this information with us. He asked if somewhere down the road she can work with our staff to come here to give us an update to let us know how successful this is so that we can continue to push this out into the community for the betterment of everyone.

Anna stated she would appreciate that opportunity; she'd love to get the word out about how many people are using it, if there are any tips and tricks that we're learning along the way, and just share the successes of the program with people. She thanked the Council for their time.

7. CONSENT AGENDA

- A. Approve the September 20, 2023 City Council Special Meeting Minutes.
- B. Approve the September 20, 2023 City Council Regular Meeting Minutes.
- C. Approve the issuance of rental licenses to the properties in the attached table.
- D. Approve the Mayor's Commission Appointments, as follows: Mayor Pro Tem & Economic Development Authority - Tony Khambata, Investment Committee - Dave Thiede, and Cottage Grove Convention and Visitors Bureau Chair - Justin Olsen.

- E. Appoint Council Member Olsen as Chairman of the CVB. Appoint Erik Olson and Sarah Grecula to fill the two vacant positions on the CVB Board.
- F. Approve two additional Sergeant positions for the 2024 budget.
- G. Authorize Public Safety to trade in surplus equipment to Guardian Fleet Safety.
- H. Adopt Resolution 2023-134 authorizing the use of seven of the City's SAC credits for Dunkin'/Baskin Robbins that will be located at 7584 80th Street South.
- I. Adopt Resolution 2023-134 approving the plans and specifications and establishing a November 21, 2023 bid date for the Utilities and Engineering Division Building Project.
- J. Glacial Valley Park-Approve Change Order #2, thereby increasing the contract amount by \$52,244.50 for a total contract amount of \$2,595,136.44.

Council Member Olsen wished to pull Item E, Appointments to the Convention and Visitors Bureau, and Mayor Bailey pulled Item D, Commission Appointments, for further comment and/or discussion.

Council Member Olsen stated as we're currently one Council Member down at the moment, as everybody is keenly aware Council Member Steve Dennis provided his resignation at our last meeting. Of course, as sad as we are to see Steve move on, we certainly have to continue doing business. Part of that is ensuring that we have a full roster on each of our various City Commissions; that includes the Convention and Visitors Bureau, which is a relatively new entity. Council Member Dennis was the Chair of the Convention and Visitors Bureau, and I have been the Vice Chair since its inception. Mayor Bailey has been kind enough to offer to have me as the Chair, so, I will graciously accept that opportunity.

Council Member Olsen also took a moment to congratulate two new appointees to the Convention and Visitors Bureau: One is Erik Olson, and Council Member Olsen knows Erik and his wife, Jenny, very well as Jenny serves on our Public Services Commission. They are both tremendous people, and Erik will be a great addition to the Convention and Visitors Bureau Board. The second appointee is Sarah Grecula. He welcomed Sarah and Erik to the Board, and he looks forward to having both of them at our next meeting.

Mayor Bailey stated with Council Member Dennis no longer on the Council, there were three positions available, one that Council Member Olsen just mentioned, on which we're doing temporary appointments. What will end up happening in December is he will reset appointments for Council Members; he's assuming by then we'll have another Council Member appointed. Just so the public is aware, his recommendation is the Mayor Pro Tem and the Economic Development Authority person will be Council Member Khambata, the Investment Committee will be Council Member Thiede, and as mentioned earlier, the Cottage Grove Convention and Visitors Bureau Chair will be

Council Member Olsen. He wanted to advise the public of those appointments through the end of the year.

Motion by Council Member Olsen to approve the Consent Agenda; second by Council Member Thiede. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye.
Motion carried: 4-0.

8. APPROVE DISBURSEMENTS

- A. Approve payments for the period of 9-28-2023 through 10-12-2023 in the amount of \$2,319,129.40.

Motion by Council Member Olsen to approve disbursements; second by Council Member Thiede. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye.
Motion carried: 4-0.

9. PUBLIC HEARINGS

- A. 2023 Pavement Management Assessment Hearing
Staff Recommendation: 1) Conduct the Public Hearing for the 2023 Pavement Management Project. 2) Adopt Resolution 2023-131, Adopting the Assessment Roll for the 2023 Pavement Management Project.

Director Burfeind stated for tonight's public hearing he'll first run through the work that we did, look at some outcomes and final photos, and those final costs and assessments. We always like to show our Pavement Management history map, which dates back to 1995; this neighborhood was actually the 1996 Pavement Management Project, which we talked about when the project was ordered last winter. It's a long process that we do to keep our roads in good condition. Part of that with our policy is assessments to the property owners within the project area.

He displayed a map of the 2023 Pavement Management Area; all the roads in blue are the streets that were rehabilitated this year with a full new pavement replacement, spot curb replacement, and spot utility repairs. The neighborhood itself has been around for quite some time, longer than the pavements and utilities; so, they're actually a lot older than our average neighborhood, so utility costs were a little bit higher than usual, which was anticipated just based on the age of the neighborhood.

Director Burfeind displayed some before and after photos; in the before photos, there was lots of patching and lots of issues around the manhole covers. You can see some of the thin overlays that Public Works staff had done many years ago to kind of hold that road together. Also, there is a lot of alligator cracking, so, you'll see some on 80th Street, the frontage road, and Homestead Avenue, as well as the after photo of that finished new pavement. On Hemingway Avenue and Hyde Court those are very similar

with very poor road condition going into the project, and then there's the new asphalt with spot curb repairs upon completion.

Funding Breakdown: Our total project cost ended up being just over \$3.4 million. There are four utility funds that pay for part of that; all of those utilities are assessable, so, a portion of those utility costs are in the assessment. The remainder is picked up by the utility funds. The General Levy picks up a good portion of the project, just over \$1.5 million. The total assessments, if they are adopted tonight, are \$1,326,125.36.

Director Burfeind displayed a map of all of the Assessable Properties. Everything in green are all the single family residential properties, which total 308. There are a few park properties, and the City pays that portion of the road that's adjacent to a park property; that's no different than a private property owner would. There's also a church at 8300 Hyde Avenue.

Assessment Information: 308 Assessable Residential Buildable Lot Equivalent (RBLE) units; an RBLE is one single family unit. Based on the estimates when we ordered the project on the feasibility report, the calculation for the assessment was just under \$5,000. We did multiple Special Benefit Appraisals on a wide variety of those single-family units, and they ranged from \$5,800 to \$7,100, so they supported the proposed assessment. We do the Special Benefit Appraisal because we do not want to assess more than that amount. With those project costs coming in lower, which is a good thing, the actual assessment proposed is \$4,234.50; so, that's about \$730 lower than what was proposed last winter. Over 15 years, the average annual payment if it were to go to the taxes and be assessed is just under \$400.

As mentioned, there was one assessable religious institution, and the estimated assessment, based on the feasibility report, was \$43,733.08. We did the recalculation based on the final project cost, which dropped it to \$37,291.57. The Special Benefit Appraisal only supported \$21,900, which was also stated at the public hearing last winter, so that caps the assessment. We do not assess more than the Special Benefit Appraisal, so their assessment amount is proposed at \$21,900.

Assessment Terms: If the terms are adopted tonight, if they're paid within the first 30 days, which would be November 17, 2023, there is no interest charged. Otherwise, it does go onto the taxes payable over 15 years. The interest rate is 1.5% above the bond rate; so, we're looking at an interest rate of 5%. Partial payment is allowed in that first 30 days, with a minimum of \$500. Deferral is available for a few things: Disability, military, and those 65 years of age or older. Proof is needed for deferral, and interest still accrues during the deferral period. If residents have specific questions on those, Director Burfeind stated he and our Finance Department can work with them.

Assessment Objection: Director Burfeind noted we received one Assessment Objection letter on October 10, 2023, from Hope Community Church, 8300 Hyde Avenue. We received that letter ahead of this meeting, which follows the requirements of the State Statute. If the assessments are ordered tonight, they would have to perfect that appeal; there are a few more steps they'd have to do with the District Court and with the City

Clerk, and we can discuss those events if that moves forward. He just wanted to make note that we received that objection letter.

Mayor Bailey asked Council if they had any questions for Director Burfeind at this time, before he opens the public hearing.

Council Member Olsen thanked Director Burfeind for his presentation and the information. He knows you and I and the Mayor actually spent some time in this neighborhood, along with our Streets Supervisor, Gary Orloff, looking at the condition of the road and trying to gauge what we needed to do and when we needed to do it, as we had some neighbors who reached out. He's been in the neighborhood recently and it is a night and day difference, it's unbelievable, and that work was needed in a big way. He said Director Burfeind mentioned some of the infrastructure relative to utilities; obviously, that neighborhood is a little bit older, it has been through a couple of these now, in the 1990s and now today. He asked Director Burfeind to give a little insight as to what exactly, from a utilities perspective, a neighborhood like this presents that is a little bit more challenging, based on the age. Obviously, when the roads are dug up, it's a lot easier to get to various utilities, but he asked Director Burfeind to help people understand what the improvements really are.

Director Burfeind stated before any project, we do a lot of utility investigations; we're doing televising of all the pipes in the ground, we look at all the watermain, the valve bolts to see if they're in good condition, we recondition the hydrants, and we look at all the structures. So, based on all of that, we come up with a scope of work to include in the project; like you said, now is the time to do it. There were no wholesale utility replacements needed, which is good, because that's extremely costly if you have to replace all the watermain or all the sanitary sewer. What we found and what we'd expect is just more cracked pipes, so we have to do what's called a short liner; so, it's a more cost effective way to do it where we actually line the pipe and you don't replace the entire structure. With the manholes and such, we're making sure all the lids and the castings are at all the right location height and they're not leaking; you see them sucking all the road into it with all the patching going on, so we do a lot of additional mudding in the structure and rehabbing all the concrete and then some lining of the catch basins as well. The trouble is when they start to break down, they pull the road in and all the material right into it; so, that's what we're fixing. With that, we also recondition all the hydrants and we also did a bunch of streetlight work.

Council Member Olsen stated he knows that in the past few years, we've changed our approach to pavement management to some degree where in addition to doing these sorts of projects, at about a 15-year lifespan or so, we do what's called a Mill and Overlay on these projects to help them last longer. Director Burfeind has previously talked about that with the Council, but he asked him to briefly remind people of what the new process looks like because it will definitely help extend the life of this road. That means that anybody paying an assessment is going to get a lot more bang for their buck because they don't pay anything for that Mill and Overlay. He asked Director Burfeind to briefly walk us through that.

Director Burfeind stated in the past, it was sealcoating applications, which worked really well, but as pavements change, MnDOT makes changes to it, and some of those become less effective. So, that's where we're seeing this pavement management right now, at around 27 years, this one was right on 27 years; some of them have a bit more of a range, 22-to-30 years, in that neighborhood. Our goal with the Mill and Overlay is at that 15-to-16 year mark, we're going to do that Mill and Overlay with those funds that we have to replace that top 1.5 inches of the asphalt. We will also do that thin overlay method, like we've talked about, that's done inhouse by our staff with no assessment, hopefully around 30 years of life. That will then push these roads out for an actual full replacement project closer to 40 years, which is our goal. We're just starting that now, and then we'll see how we can meet those goals. So far, it's worked well; the Mill and Overlays have been a great process, and they're just very cost efficient. We don't do a lot of other work, we just take that pavement off, put the new stuff down, and we're in and out in about two weeks.

Council Member Olsen stated unlike a project of this nature, there's no assessment for that, there's no cost to the resident in the neighborhood for that; Director Burfeind stated that's correct.

Council Member Olsen stated he likes having Director Burfeind talk about that because the major benefit is our roads are going to last longer. You'll pay your assessment today, and in the past you might be paying again in 27-to-30 years, if we were lucky. Now, we're looking at a 40-year lifespan, so that's pretty fantastic.

Council Member Olsen stated finally, this is a legal process; assessments are a legal process, we're bound by State Statute as it relates to this. You mentioned that there are some opportunities for people to have deferrals, so, he appreciates Director Burfeind bringing that up because those options exist for a reason. We want people to know that they're there. Every time we do one of these, there are always a few who are eligible for that deferral, and we want to make sure they have the correct information. He thanked Director Burfeind.

Mayor Bailey opened the public hearing. If anybody wants to speak on this item or maybe object to the assessments, they are welcome to do so at this time.

As no one spoke on this topic, Mayor Bailey closed the public hearing.

Motion by Council Member Olsen to Adopt Resolution 2023-131, Adopting the Assessment Roll for the 2023 Pavement Management Project; second by Council Member Khambata. Mayor Bailey asked if there was any further discussion.

Council Member Olsen asked Mr. Dale **Shank** if he approved, if we were okay, as Council Member Olsen knew this was his area. He asked him if he was happy, if it looked better. Council Member Olsen stated he was a great former teacher of his.

Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye. Motion carried: 4-0.

B. Tall Weeds Assessment Hearing

Staff Recommendation: 1) Hold the Public Hearing. 2) Adopt Resolution 2023-132, Adopting service charges for the removal of noxious weeds and plants from private property.

Brenda Malinowski, Finance Director, stated tonight you'll be holding a public hearing for the removal of noxious weeds and plants from private property; that is in accordance with our City Code. Specifically, it is unlawful to allow or permit any growth of weeds, grass, brush, or other rank vegetation to a height greater than eight inches.

In 2023, our City Code Enforcement Officer issued 36 letters to property owners for violations of that Code. The owners were given five days to abate that condition, or else the letter stated that the City would come in, abate the condition, and invoice the property for that amount. In five instances, the City had to hire a contractor to mow the lawn, and then we invoiced those properties for the cost of that lawnmowing and the administrative fee. On four occasions on those invoices, they did not pay the City; so, City Council at your meeting on September 20, 2023, declared costs and we sent assessment notices to those property owners. One property since that time has paid, so we removed that from the roll this evening. Council should hold the public hearing and consider the assessment.

If you do adopt the assessment, if it's not paid in the next 30 days, it will be certified to their property taxes next year. She noted of the three that are on the roll this evening, we received payment this week on one of them; so, they will already be paying in the 30 days, and so they will not be certified to the property taxes.

Mayor Bailey opened the public hearing. As no one wished to speak on this topic, Mayor Bailey closed the public hearing.

Motion by Council Member Thiede to Adopt Resolution 2023-132, Adopting service charges for the removal of noxious weeds and plants from private property; second by Council Member Olsen. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye.

Motion carried: 4-0.

C. Street Reconstruction and Overlay Plan Public Hearing

Staff Recommendation: 1) Conduct the Public Hearing for the Street Reconstruction and Overlay Plan. 2) Adopt Resolution 2023-133 Adopting a Street Reconstruction and Overlay Plan and approving the issuance of General Obligation Street Reconstruction Bonds.

Director Malinowski stated earlier this year we did the 10-year Financial Management Plan (FMP). The things that it incorporated were our operating budget, staffing, equipment replacement, pavement management programs, so the assessment hearing we had this evening, and another portion was Street Reconstruction Projects. Those are projects such as East Point Douglas Road and 80th Street, so we incorporated the debt payments for those projects that needed to be done for streets into our FMP. So, now we have the opportunity to do a Street Reconstruction Overlay Plan based on our FMP.

Since this is the first time that the City has followed this process, Ehlers assisted us in preparation of the plan; Keith Dahl from Ehlers is here to review it with you and take any questions. Mayor Bailey welcomed Keith Dahl.

Mr. Dahl stated before Council tonight is the Street Reconstruction and Overlay Plan, more commonly referred to as an SROP. It lays out the revenues and expenses for the projects that we have identified in that plan over a five-year horizon; so, we're looking from 2024 to 2028. This hasn't been the traditional approach that the City has taken on street reconstruction projects; typically, you use the assessment process with the improvement bonds, but this is another option if you're not able to achieve that 20% of project costs being assessed against benefitting property owners.

With an SROP, you are able to assess, but if that assessment amount is under that 20%, that's when this approach comes in handy. Now, it is subject to a 30-day reverse referendum; that means after we hold the public hearing and take comments, if the City Clerk receives a petition from signatures of 5% of the voters from the last general election, this item would go for a referendum vote. With that, just looking at what the revenues and the expenses are and going off of what was in the FMP and the CIP, we added some inflation to account for time, anticipating that costs may rise over this five-year horizon. We also accounted for some contingency.

On the amount that we would potentially issue for bonds, this is a not to exceed amount; so, the amount that you end up issuing for these various years could be less. It does not require or commit the City Council to issuing bonds of that size, it's just a maximum amount. We also incorporated the cost of issuance, capitalized interest, and underwriter discount in that size. So, that's just a high level general overview of the SROP. He will turn it back over to the Mayor for any questions that he or the Council may have.

Mayor Bailey stated the general public may not know that we've actually been discussing this program in our workshop sessions, so it's different for Cottage Grove than what we've done in the past. In his opinion, it's a great planning tool to foresee needs, budget wise, going into the future.

As there were no questions from the Council, Mayor Bailey opened the public hearing. He stated anybody who wants to speak on this item is now welcome to do so. As nobody wished to speak on this topic, Mayor Bailey closed the public hearing.

Motion by Council Member Olsen to Adopt Resolution 2023-133 Adopting a Street Reconstruction and Overlay Plan and approving the issuance of General Obligation Street Reconstruction Bonds; second by Council Member Khambata. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye. Motion carried: 4-0.

10. BID AWARDS - None.

11. REGULAR AGENDA

- A. Cannabis and Tobacco Use on Public Property & Public Places
Staff Recommendation: Discuss the ordinances and, if acceptable, move each ordinance separately for approval. 1) Motion to approve an Ordinance Amending Cottage Grove City Code by Enacting Title 5, Chapter 1, Section 6, Prohibiting Cannabis Use on Public Property and in Public Places. 2) Motion to approve an Ordinance Amending Cottage Grove City Code by Amending Title 7, Chapter 3, Section 4, Prohibiting Smoking and Vaping Tobacco Products in Public Parks. 3) Motion to approve an Ordinance Amending Cottage Grove City Code by Enacting Title 5, Chapter 1, Section 7, Underage Possession and Use of Cannabis Products.

Kori Land, City Attorney, stated we're dealing with the legislation that was bestowed upon us in May. In July, we talked about a moratorium, public use of cannabis in public places. In August, Council adopted a moratorium, but you didn't want to take action on a public place ordinance at that time prohibiting the use of cannabis in public places; instead, you wanted to hear some feedback from other commissions, to hear what the residents think about things that you are making policy level decisions about. In September, we held a Joint Commission meeting with the Parks Commission and the Public Service Commission to talk about these three cannabis-related topics. Tobacco is not a cannabis topic, but it was sort of an outflow from the discussion.

At that September 11 meeting, we had a pretty good turnout from both of those commissions. In general, more than a majority supported all three ordinances: The first one is prohibiting smoking and vaping of cannabis in public places; the second is they felt like tobacco use, smoking and vaping, should be treated the same because it's a public health issue; third, the Statute does not provide a penalty for underage use of cannabis, and they overwhelmingly supported that there should be a penalty. So, we'll go through each of those ordinances, which have been prepared separately; they are three different sections of the Code, but she felt like Council really needed to discuss them and approve them as separate ordinances instead of packaging them in one.

As you know, the State law indicates that the use of cannabis is restricted to certain places, it is only allowed in: 1) A private home, inside or outside your yard, your curtilage, which is considered areas that the general public could cross, such as your driveway or your sidewalk to get to your front door; 2) Private property with permission of the owner; or 3) Any business that has an on-site consumption license, which there are none because that can only be issued from the Office of Cannabis Management, and that will not be operational until 2025. However, there are the two caveats in the yes, they can smoke or vape in these three locations, but it must be outside the presence of a minor and it cannot violate the Clean Indoor Air Act. Again, there's no penalty in the Statute, so that's what we are discussing. The legislation does state the City can provide a penalty and prohibit public places, but the penalty can be no more than a petty misdemeanor.

So, the way we've defined public places in this ordinance is that it is property generally open to or accessible by the public, and it includes public property. Public property is defined as it is owned by the City; so, that can be real property, buildings,

parking lots, Rights-of-Way, trails, and sidewalks. So, smoking and vaping of cannabis of the adult use version of cannabis would be prohibited in public places, any place generally accessible to the public, as well as on public property.

We recommend adopting an ordinance prohibiting smoking or vaping of cannabis on public property and in public places; the violation would be a petty misdemeanor, and the fine would be \$100. This would be what we call a payable ticket, so if someone were to receive a citation for this, they can pay it and it does not show up on any kind of a criminal history; it's like getting a parking ticket. Failure to pay it is where you get into trouble, but a petty misdemeanor is not intended to have any kind of criminal consequences.

You wanted the Parks Commission and the Public Services Commission to weigh on whether or not we should prohibit tobacco smoking and vaping in our public parks; even though it hasn't been an issue, it's a public health issue, just as smoking and vaping of cannabis is a public health issue. The Joint Committee meeting recommended adopting an ordinance prohibiting the smoking and vaping of tobacco in public parks; so, it's not as broad as the smoking and vaping of cannabis, it's restricted to just public parks, but they felt that River Oaks was sort of a separate kind of park. It's not really a park because you have to pay to play; so, that's more of a venue than it is a park. The violation would be the same, however, as the cannabis smoking and vaping; it would be a petty misdemeanor, and the fine would be \$100.

As far as underage use, it is illegal for anyone under the age of 21 to use any form of cannabis, whether it's a 0.3% or less or 0.3% or more, it is illegal, but again, the legislature decided not to punish the children and so there's no penalty if they violate. So, we are recommending adopting an ordinance prohibiting underage possession and use of cannabis products, so it's anyone under the age of 21; the penalty should mirror the State law on Underage Consumption of Alcohol, as both are intoxicating substances, and violations would be a misdemeanor but the fine would be \$100. Anyone under age 18 is going to qualify for a diversion program; anyone between 18 and 21, it's like getting an Underage Consumption ticket when you're in college, so that's the penalty, it would be a misdemeanor.

We are recommending you discuss all three ordinances and recommending approval, but discuss and approve them separately.

Mayor Bailey asked if Council had any questions for Attorney Land.

Council Member Khambata stated when researching these ordinances, he's sure she compared them against other municipalities and other case law. He asked if there's any reason to think that by adopting these ordinances, they may be challenged by an individual for their constitutionality or overreach.

Attorney Land replied given its similarity to a prohibition on tobacco use in a park, and she's not aware of any challenges to those ordinances under a public health, safety, welfare sort of justification, she feels like that's a pretty solid ground. Prohibiting use of cannabis in public places is specifically authorized in the legislation; it says cities can, and it is prohibited in public places. Please don't misunderstand, it is not allowed in public places today, but there's no penalty. So, unless you say it out loud in your

ordinance, we mean it's not allowed and here's how you will be punished, there's no way to enforce it. So, that is absolutely 100% solid.

Council Member Olsen thanked Attorney Land for taking the time to bring this forward. He was fortunate enough, as was Council Member Khambata, to be part of the Joint Commission Meeting, and he can state from being part of that meeting that there was overwhelming support for each of these items. He really thanked our commissioners, as we have advisory commissions to the City Council for a reason; they exist for a reason, which is we want to have as many citizen voices of varying backgrounds, experiences, points of view to come online whenever we're dealing with challenging situations like this. Their job is to advise the City Council, their job is to tell us we've looked at this, this is what we think, this is what we recommend that you do; ultimately, it's our decision, we're the ones who have to make the call, but it's always helpful to have input from as many people as we had in that commission meeting, and it was very well attended. There were a lot of great questions, a lot of great dialogue; he complimented all of the commission members and the various staff liaisons who were in the building for that meeting. He thought the outcome of that was pretty solid, so he's certainly in support of all of these recommendations, based on the fact that this is also what the commissions brought forth to us. He wants to really give them the credit they deserve for helping us with this, because this was a heavy lift.

Council Member Thiede stated just to be clear, this covers any type of cannabis, no matter what form its in.

Attorney Land stated it is smoking and vaping of cannabis; so, if somebody's eating a gummy bear, we're not going to go up and try to test the gummy bear to see if it was just purchased at the local candy store or the CBD shop. It's just smoking and vaping.

Motion by Council Member Olsen to Approve an Ordinance Amending Cottage Grove City Code by Enacting Title 5, Chapter 1, Section 6, Prohibiting Cannabis Use on Public Property and in Public Places; second by Council Member Thiede. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye. Motion carried: 4-0.

Motion by Council Member Thiede to approve an Ordinance Amending Cottage Grove City Code by Amending Title 7, Chapter 3, Section 4, Prohibiting Smoking and Vaping Tobacco Products in Public Parks; second by Council Member Khambata. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye. Motion carried: 4-0

Motion by Council Member Olsen to approve an Ordinance Amending Cottage Grove City Code by Enacting Title 5, Chapter 1, Section 7, Underage Possession and Use of Cannabis Products; second by Council Member Thiede. Clerk Anderson called the roll: Council Member Khambata-Aye, Council Member Thiede-Aye, Council Member Olsen-Aye, Mayor Bailey-Aye. Motion carried: 4-0.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Khambata stated in light of the new appointments to our various volunteer commissions, he thought it was noteworthy to just give credit and give thanks to our volunteer citizens of Cottage Grove, who for no compensation, other than their goodwill, donate their time and input to our volunteer commissions. It is an essential part of what we do in shaping our ordinance and making this City run as smoothly as it does. So, thank you to all of our volunteers.

Council Member Thiede stated he mentioned it a little earlier, but Saturday, October 28, is the Monster Bash parade, which starts at the starts at the School District Service Center, 7362 East Point Douglas Road, near Applebee's, at 10:00 a.m., and ends at the District Program Center, 8400 East Point Douglas Road. It's a fun parade, and if you go to cottagegrovestrawberryfest.com and click on the Monster Bash parade application, it will show the parade route and applications to be in the Monster Bash parade are due by Friday, October 20. Council Member Thiede stated he's pretty lucky because he doesn't even have to wear a costume and he's scary.

Council Member Olsen stated Council Member Thiede is always a tough act to follow.

Council Member Olsen took a moment to congratulate the Park High School boys soccer team, who are in the State Tournament; they are Section Champions, they won the other night, and he knows that we're all going to get behind them as a community here in Cottage Grove. It's always fun when we have one of our teams in the State Tournament. It's a real honor for our community to have teams that represent us in the State Tournament. He again congratulated the Park High School boys soccer team; he hopes that at one of the future Council Meetings we can congratulate them on a State Championship, we would love that.

Council Member Olsen stated you might notice that he's wearing a shirt that says Beyond the Yellow Ribbon, and he did that on purpose. As a member of our Beyond the Yellow Ribbon team here in Cottage Grove, one of the things that we do is we support families who may be challenged with different situations related to their participation as members of our Armed Forces. One of the most difficult is when we have National Guard soldiers who get deployed, and that deployment call can come at any time. With the conflict that is currently taking place in Israel and the Gaza Strip and the Palestinian held territory, a number of National Guard soldiers from across the country have been called into active duty. Right now, the number is over 2,000, and in the State of Minnesota we have a couple of different armories who are going to be deployed because they are going to be there to support some of the aircraft carriers and other military personnel who are already there in that region. He just wanted to take a minute to ask everybody to please give some thought to the fact that we're approaching the holiday season, and there are going to be a lot of families out there who may have mom or dad or both or aunt, uncle, son, daughter who aren't going to be around this holiday season because of this situation. They don't really have control over when those

deployments happen. So, we're here as part of the Beyond the Yellow Ribbon team to help support those families. If there is anybody in need that you know of, or anybody who is in need who is watching this at home, he would ask that you please reach out to our Beyond the Yellow Ribbon team. You can contact Council Member Olsen directly, just Google his name to find his email address and phone number. He is not the Justin Olsen who is an Olympic snowboarder, just so you know; he clarified he's the other guy, but he's willing to have that conversation with you, and we want to help those families have a great holiday season. So, please lean on us if there's a need.

Mayor Bailey stated interestingly enough, we're actually getting into the holiday season as Council Member Olsen just mentioned, and there are all kinds of events coming up. During our first meeting in November, he told staff that maybe we want to have a review of all the upcoming holiday events between the end of November into December. There are a couple, though, before our next Council Meeting; one is the Monster Bash parade, which is a great event here in Cottage Grove. The other one is on October 25, at the Ice Arena, is the Halloween Skating Spooktacular. It's \$10 per skater, and if you need to rent skates, you can do that there, and that cost is \$5. You can go to the City website to check that out. The other event is Pumpkin Chuck. Mayor Bailey stated he missed it last year, but heard it was pretty amazing; it is free and it's at Peter Thompson Park on November 2, between 3:30 and 5:30 p.m. He encouraged anyone who likes to chuck a pumpkin to absolutely come out to Peter Thompson Park and enjoy those festivities.

Mayor Bailey stated because we're getting into November, another item he wants to mention is down at River Oaks they'll be having an event that they've not had for a couple of years, the Friendsgiving. All of the Council Members have previously taken part in this, it's an opportunity to meet with friends and family for a family-style meal. It will be held on November 10. If you want to learn more information, check out the City website or River Oaks' website. We have a large group of two tables because once you've experienced this at River Oaks and the great food prepared by our chefs, and our staff members there, you'll want to go back. It's absolutely amazing. He can't recall the cost of that meal, but it's very much worth it. It's a great event in which to participate.

Mayor Bailey stated we also have additional events for the Hometown Holiday celebration at the end of November. We recently learned that the Holiday Train will be back in Cottage Grove on Sunday, December 10, at approximately 5:00 p.m. They're excited to be back in Cottage Grove, and they'll be celebrating 40 years.

Council Member Olsen asked if they will again be doing the collection of paper goods, etc. for the Holiday Train; Mayor Bailey stated that will take place prior to that date, and that's why he wants to make sure that we catch all those things and share the other events with the public.

13. WORKSHOPS - OPEN TO PUBLIC - None.

14. WORKSHOPS - CLOSED TO PUBLIC - License Revocation Hearing

- A. Motion to close the meeting pursuant to Minnesota Statute Section 13D.05, Subd. 2(a)(2), to consider the tobacco license revocations of Cottage Grove Tobacco, LLC and Cottage Grove 4G LLC, doing business as Smoke Leaf, which will involve the discussion of active investigative data as defined in Minnesota Statute Section 13.82, Subd. 7.

Mayor Bailey stated this hearing is closed to the public. Once the discussions have taken place between the Council, staff, and the representatives, we will then open the meeting in the Training Room so that the public can hear what decision has been made. Council will also adjourn this meeting from the Training Room after that hearing.

15. ADJOURNMENT

Motion by Council Member Olsen, second by Council Member Thiede, to adjourn the meeting at 9:34 p.m. Motion carried: 4-0.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk



City Council Action Request

7.D.

Meeting Date	11/1/2023						
Department	Community Development						
Agenda Category	Action Item						
Title	Advisory Committee on Historic Preservation Minutes						
Staff Recommendation	Accept and place on file the minutes of the Advisory Committee on Historic Preservation from March 14, 2023; April 11, 2023; and August 8, 2023.						
Budget Implication	N/A						
Attachments	<table><tr><td>1.</td><td>ACHP Meeting Minutes 2023-03-14</td></tr><tr><td>2.</td><td>ACHP Meeting Minutes 2023-04-11</td></tr><tr><td>3.</td><td>ACHP Meeting Minutes 2023-08-08</td></tr></table>	1.	ACHP Meeting Minutes 2023-03-14	2.	ACHP Meeting Minutes 2023-04-11	3.	ACHP Meeting Minutes 2023-08-08
1.	ACHP Meeting Minutes 2023-03-14						
2.	ACHP Meeting Minutes 2023-04-11						
3.	ACHP Meeting Minutes 2023-08-08						



MINUTES
CITY OF COTTAGE GROVE
ADVISORY COMMITTEE ON HISTORIC PRESERVATION
March 14, 2023

Pursuant to due call and notice thereof, a meeting of the Advisory Committee on Historic Preservation was duly held at the Cottage Grove City Hall, 12800 Ravine Parkway South, Cottage Grove, Minnesota, on the 14th day of March, 2023.

CALL TO ORDER

Chair Herb Reckinger called the meeting to order at 7:01 p.m.

ROLL CALL

MEMBERS PRESENT: Herb Reckinger, Corinne Marz, Tony Brinkman, Linda Johnston

MEMBERS ABSENT: Jacob Grundauser, Joseph Gall, Marie Sumstine

OTHERS PRESENT: Councilmember Dave Thiede, Mike Mrosla, Senior Planner, Conner Jakes, Associate Planner; Lisa Hartfield, Citizen.

APPROVAL OF THE AGENDA

Motion made by Marz to approve the Agenda with no changes. Johnston seconded. The motion passed unanimously (4-0).

OPEN FORUM

No one spoke.

ACTION ITEMS

Committee Terms

Mrosla stated the newly adopted City Code has changed term length for committees and total number of members on the committee to seven members from the previous eight members. He then proceeded to inform the committee members on their term length and remaining time available to serve on the committee. Councilmember Thiede spoke about inclusion and inviting others to attend the meetings and participate even if there is not room on the committee as a committee member.

No additional action was taken.

Review 2023 Meeting Schedule Discussion

Mroska summarized the memo and opened for discussion on the meeting start time. Johnston stated she wouldn't mind an earlier start time of 5pm and it would help staff not be required to stay late for the meeting. Reckinger and Marz agreed. Brinkman stated a 5pm start time would be difficult due to personal life and proposed a 6pm meeting start time. Councilmember Thiede agreed that a 6pm start time would be a good option as he would be able to attend as well.

Johnston made a motion to approve a 6pm start time for future ACHP meetings. Marz seconded. The motion was approved unanimously (4-0).

William Crockett Fields at Hamlet Park Plaque Ceremony Discussion

Mroska summarized the memo and opened for discussion for a date and time of the commemoration of the Crockett Plaque. Reckinger stated that Crockett's sister Gail is open to either April 15 or April 22, but would prefer April 22. Reckinger showed the committee a wall hanging that will be presented to Gail at the commemoration. The committee came to a consensus that April 22 would be the date for the meeting. Johnston suggested a 10am start time for the commemoration so that Gail and others could drive around the City after the event is over, all agreed. Reckinger asked whether the name will still be Crockett Fields, staff stated they will follow-up with Parks Director Dockter to confirm. April 22 at 10 am was agreed to as the date and time for the William Crockett Commemoration Event. No further action was taken on this item.

Preservationist of the Year Discussion

Mroska summarized the memo and opened for discussion on whether to allow residents to nominate potential recipients for Historic Preservationist of the Year. Reckinger asked who would select the nominee, staff responded that the ACHP would still select the recipient but residents would be able to nominate potential recipients. Reckinger asked if a small write-up could be inserted in the Cottage Grove Reports mailing, staff stated they will contact the Administration Department to verify whether the mailing dates will coordinate correctly for an insert. Brinkman asked how the process was previously completed, staff responded that the ACHP previously nominated and selected the recipient. Staff showed the previous recipients of the award. All committee members agreed to allow nominations from the residents via the City's website. No further action was taken on this item.

Historical Display Discussion

Jakes summarized the memo and opened for discussion on possible display case ideas and options. Johnston responded that the display case could focus on schools and the case could rotate between different themes every 6 months. Johnston further recommended the idea of having an "old to current" section within the display case that would highlight a buildings first use up to current day. Thiede presented the idea of a digital element to the display case with voice recordings of stories of what is presented within the display case. Mroska stated staff is currently working on a potential interactive map that would be on the City website and have a voice recorded element to it. Brinkman asked if staff has photos or where items would be assembled from. Staff responded that they would go through City files to determine what items are already available and possibly contact New History, the City's consultant for History, for additional items and files. The committee then suggested having a portion of the display be static which would contain a timeline of Cottage Grove from beginning to current, and part of the display rotating every 6 months. The rotational portion would have a specific focus around the themes of schools,

evolution of Highway 61, railroads, barns, and airplanes. Staff stated they would research within the City files to find what documentation could be used for the display and would report at the next meeting. No further action was taken on this item.

DISCUSSION ITEMS

Aurilla Furber Discussion

Jakes summarized the memo and opened for discussion/suggestions on research locations. Reckinger suggested giving the poetry written by Ms. Furber to the County. Brinkman asked staff if they have access to ancestry.com which may contain additional information, staff responded they do not have access. Marz stated she will access her ancestry.com account and send any information that is found. Johnston stated the County Historical Society should have property records for all of the past which will help determine where she may have lived. Brinkman suggested to utilize findagrave.com which may also contain additional information for siblings. No further action was taken on this item.

PROJECT UPDATES

Century Homes Program

Staff stated they are currently researching implementing a potential Century Homes Program. The program would allow a property owner with a century old home to enroll in the program and purchase a plaque that would be displayed on the property. Reckinger stated the County had a Century Homes Display at some time and could be a resource.

Historical Context Study

Staff stated they are currently working with New History on the potential to develop a Historical Context study. Brinkman asked what is contained within this document, staff responded that it is yet to be determined based on what documents have previously been created. Johnston stated it would be beneficial to focus on current history from 1975+ as many people are still alive and can give oral history. Thiede stated a small event could be held at River Oaks or a senior living location within the City to invite people to share what they know relating to historic events and people. The conversations could be recorded and documented for future use. No further action was taken on this item.

Cedarhurst

Staff stated there are no updates relating to the site. No further action was taken on this item.

10301 Grey Cloud Trail South

Staff stated the previous developer has decided not to continue with the project and there are no further updates. No further action was taken on this item.

Dodge Nature Center Remodel

Staff stated a small addition is being constructed on site that would allow for additional learning opportunities and educational classes to be held on site. No further discussion was taken on this item.

APPROVAL OF MINUTES

HISTORIC INQUIRIES, ARTICLES, AND RESEARCH INFORMATION

There were none.

COUNCIL LIASON COMMENTS

Thiede stated a group with the University of Minnesota is conducting their capstone project on the area of Old Cottage Grove. Staff explained the project and the intent of the project. Additional information on open house time and location will be presented to the Committee.

COMMITTEE COMMENTS

There were none.

STAFF COMMENTS

There were none.

ADJOURNMENT

Reckinger made a motion to adjourn the meeting. Marz seconded. The motion passed unanimously, and the meeting was adjourned at 8:29 p.m.



MINUTES
CITY OF COTTAGE GROVE
ADVISORY COMMITTEE ON HISTORIC PRESERVATION
April 11, 2023

Pursuant to due call and notice thereof, a meeting of the Advisory Committee on Historic Preservation was duly held at the Cottage Grove City Hall, 12800 Ravine Parkway South, Cottage Grove, Minnesota, on the 11th day of April, 2023.

CALL TO ORDER

Chair Herb Reckinger called the meeting to order at 6:03 p.m.

ROLL CALL

MEMBERS PRESENT: Herb Reckinger, Corinne Marz, Tony Brinkman, Linda Johnston, Joseph Gall, Jacob Grundhauser, Marie Sumstine

MEMBERS ABSENT:

OTHERS PRESENT: Councilmember Dave Thiede, David Olson, Parks & Recreation Commission, Mike Mrosla, Senior Planner, Conner Jakes, Associate Planner

APPROVAL OF THE AGENDA

Motion made by Gall to approve the Agenda with no changes. Brinkman seconded. The motion passed unanimously (7-0).

OPEN FORUM

Chair Reckinger discussed details relating to the William Crockett Plaque Ceremony. Discussion included ensuring the grounds were clean, USA Flag was raised, and invitations to members throughout the community.

ACTION ITEMS

Historic Preservation Month 2023 Proclamation

Mrosla summarized the memo and opened for discussion. Consensus among the committee was support for the proclamation and that it was correct.

No additional action was taken.

Preservationist of the Year Selection

Mroska summarized the memo and opened for discussion of the preservationist of the year selection. One nominee was submitted from the online submittal portal, which was Frances “Frankie” Ratzlaff. Discussion on other potential recipients of the award included Jack Germon for his property and structure maintenance, Orrin Thompson for suburban expansion, and the Sherwin Williams property for its maintenance and general upkeep. Committee member Brinkman asked for additional information on Frankie Ratzlaff in regard to why she was nominated. Staff and Chair Reckinger responded by stating she was on the ACHP for the maximum term length at the time which was 10 years (2003-2013), very involved in historical outreach throughout Washington County, and involved in various items such as the ACHP playing cards and cookbooks. There was additional discussion on whether there could be multiple recipients, staff responded only one recipient can receive the award.

Johnston made a motion to nominate Frances “Frankie” Ratzlaff as the 2023 Preservationist of the Year. Gall seconded. The motion was approved unanimously (7-0).

Historical Context Study Era

Mroska summarized the memo and opened for discussion on the context study era. Johnston asked whether Panorama City is designated on the City’s historical nomination list. Sumstine asked whether the original police station is designated on the City’s historical nomination list. Staff stated they would further research whether each is currently designated on the City’s historical nomination list. Context study’s were discussed in detail and what the desired outcome would be. Coffee over history events were discussed where staff would hold an open house for members of the community to discuss memories about specific events of the past and to share stories, with the intent of documenting oral history. Jakes provided an in depth summary of what a context study is and the potential future phases that could occur after the study is complete. Sumstine inquired as to who would conduct the study, staff responded the City currently has a contract with New History who they have been in contact with. Councilmember Thiede inquired to whether staff has contacted any organizations for grants, staff responded they have been in contact with the Minnesota Historical Society for grant funding. Chair Reckinger stated the 1945-1990 era would be a good era to study and could potentially include the lock and dam which created many rivers by Grey Cloud. Councilmember Thiede discussed utilizing the firehouse on Lamar as a local museum to display various historical items. Brinkman recommended including 3M and Chemolite in 1948.

Grundhauser made a motion to approve the proposed historical context study era of 1945 to 1990 and to move forward with grant applications to the Minnesota Historical Society. Gall seconded. The motion was approved unanimously (7-0).

DISCUSSION ITEMS

Historical Display Case

Jakes reminded the Commission of staff’s work on the historical display case to be located outside of the Training Room in City Hall, and that research has begun on schools of the present and past throughout the community. Staff had a few schools they wanted the Commission’s input and knowledge on, which included Grove Elementary School and Nessel School. Chair Reckinger recommended utilizing the Washington County Historical Society’s website as there is a webpage containing information on various schools of the past within Washington County. The Commission

discussed the Cottage Grove School which was nicknamed the Mackintosh School after the farmers that dedicated the land for the school. No further action was taken on this item.

PROJECT UPDATES

William Crockett Plaque Ceremony

Mroska reminded the Commission of the William Crockett Plaque Ceremony to be held at 10am on April 22, 2023 at Hamlet Park.

APPROVAL OF MINUTES

Approval of the March 14, 2023 meeting and April 11, 2023 meeting will occur at the June 13, 2023 meeting.

HISTORIC INQUIRIES, ARTICLES, AND RESEARCH INFORMATION

There were none.

COUNCIL LIASON COMMENTS

There were none.

COMMITTEE COMMENTS

Sumstine inquired how to preserve the old school building off of Point Douglas Road and Kimbro Avenue, and if it would be possible to tour. Sumstine additionally inquired as to the current status of the foundation at the Furber house.

STAFF COMMENTS

There were none.

ADJOURNMENT

Gall made a motion to adjourn the meeting. Marz seconded. The motion passed unanimously, and the meeting was adjourned at 7:45 p.m.



MINUTES
CITY OF COTTAGE GROVE
ADVISORY COMMITTEE ON HISTORIC PRESERVATION
August 8, 2023

Pursuant to due call and notice thereof, a meeting of the Advisory Committee on Historic Preservation was duly held at the Cottage Grove City Hall, 12800 Ravine Parkway South, Cottage Grove, Minnesota, on the 8th day of August, 2023.

CALL TO ORDER

Staff Liaison Mroska called the meeting to order at 6:15 p.m.

ROLL CALL

MEMBERS PRESENT: Corinne Marz, Tony Brinkman, Linda Johnston, Jacob Grundhauser, Marie Sumstine

MEMBERS ABSENT: Herb Reckinger, Joseph Gall

OTHERS PRESENT: Councilmember Dave Thiede; David Olson, Parks & Recreation Commission; Mike Mroska, Senior Planner; Conner Jakes, Associate Planner; Cindy Yff, Resident; Kathy DeMarre, Resident

APPROVAL OF THE AGENDA

Motion made by Grundhauser to approve the Agenda with no changes. Johnston seconded. The motion passed 5-0.

OPEN FORUM

No one spoke.

ACTION ITEMS

There were none.

DISCUSSION ITEMS

There were none.

PROJECT UPDATES

William Crockett Plaque Ceremony

Jakes summarized the William Crockett Plaque Ceremony that occurred on April 22, 2023 at Hamlet Park. He explained the ceremony consisted of a brief history of Mr. Crockett's life followed by the reveal of the plaque and a presentation of items to the Crockett Family. Following the presentation of items, Crockett's sister, Gail Crockett Stanghelle, said a few words to those gathered. There was a great turnout of both residents and non-residents to honor Mr. Crockett and to support the Crockett Family.

Crockett Fields at Hamlet Park Entrance Sign

Jakes informed the Committee that the City recently installed the entrance sign at Hamlet Park which honors William Crockett and provides the name of the ball fields at Hamlet Park. He stated the sign reads, "Welcome to Crockett Fields at Hamlet Park" and that the sign contains various images that relate to Crockett's life. Among those images are the POW/MIA flag logo, William Crockett rubbing/etching, a fighter jet, and Mr. Crockett's life dates.

Historical Display Case

Jakes provided an update of the historical display case progress staff has made. He stated staff is working with the Washington County Historical Society to compile information on schools of the past, and staff is also working with ISD 833 to compile information on schools of the present. He also stated at the next meeting staff will present the compiled information for the Committee to review, including both photos and text.

APPROVAL OF MINUTES

Brinkman made a comment that his last name was spelt incorrectly in both the March 14, 2023 and April 11, 2023 meeting minutes. Motion made by Grundhauser to approve the March 14, 2023 and April 11, 2023 meeting minutes pursuant to the change stated by Brinkman. Brinkman seconded. The motion passed 5-0.

HISTORIC INQUIRIES, ARTICLES, AND RESEARCH INFORMATION

Old People's Home & Cemetery

Mroska stated staff was contacted by a resident, Cindy Yff, inquiring about information relating to the Old People's Home & Cemetery located in Cottage Grove. He explained that staff met with Cindy on April 27, 2023, but could only find limited information and history on the cemetery specifically. Therefore, staff and Cindy wanted to ask the Committee for any additional information/ideas on where to research the cemetery with the intent of better documenting the site's history.

Cindy spoke to the Committee summarizing her findings and ideas, photos were shared with the Committee. David Olson, Parks & Recreation Commission Liaison, stated he visited the site and spoke with other residents in order to gather information relating to the site. The Committee discussed knowledge of the site further. Sumstine stated the Southern Washington County Historical Society meets on the second Saturday of each month in St. Paul Park and would be a good place to also request information relating to the site.

COUNCIL LIASON COMMENTS

There were none.

COMMITTEE COMMENTS

Grundhauser inquired as to whether there are any updates relating to the Cedarhurst property. Staff stated there is no update.

Grundhauser inquired as to whether there are any updates relating to the historic Furber Barn and homestead. Staff stated there was a recent planning case that went to Council.

Brinkman inquired as to whether there are any updates relating to the Mississippi Landing project. Staff stated the City now owns land adjacent to the river and that the DNR is looking to purchase additional acres.

STAFF COMMENTS

There were none.

ADJOURNMENT

Grundhauser made a motion to adjourn the meeting. Marz seconded. The motion passed unanimously, and the meeting was adjourned.



City Council Action Request

7.E.

Meeting Date	11/1/2023		
Department	Community Development		
Agenda Category	Action Item		
Title	Planning Commission Minutes - July 24, 2023		
Staff Recommendation	Accept and place on file the minutes of the July 24, 2023, Planning Commission meeting.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Planning Commission Minutes 2023-07-24</td></tr></table>	1.	Planning Commission Minutes 2023-07-24
1.	Planning Commission Minutes 2023-07-24		

**City of Cottage Grove
Planning Commission
July 24, 2023**

The Regular Meeting of the Planning Commission was held at Cottage Grove City Hall, 12800 Ravine Parkway South, Cottage Grove, Minnesota, on Monday, July 24, 2023, in the Council Chamber and telecast on Local Government Cable Channel 16.

Call to Order

Chair Frazier called the Planning Commission meeting to order at 7:00 p.m.

Roll Call

Members Present: Ken Brittain, Jessica Fisher, Evan Frazier, Eric Knable, Derek Rasmussen, Emily Stephens

Members Absent: None

Staff Present: Emily Schmitz, Community Development Director; Mike Mroska, Senior Planner; Conner Jakes, Associate Planner; Amanda Meyer, City Engineer; Riley Rooney, Associate Planner; Tony Khambata, City Council Liaison

Approval of Agenda

Fisher made a motion to approve the agenda. Rasmussen seconded. The motion was approved unanimously (6-to-0 vote).

Open Forum

Frazier opened the Open Forum and asked if anyone wished to address the Planning Commission on any non-agenda item. No one spoke. Frazier closed the Open Forum.

Chair's Explanation of the Public Hearing Process

Frazier explained the purpose of the Planning Commission, which serves in an advisory capacity to the City Council, and that the City Council makes all final decisions. In addition, he explained the process of conducting a public hearing and requested that any person wishing to speak should go to the microphone and state their full name and address for the public record.

Public Hearings and Applications

6.1 Zoning Definition Text Amendment – Case TA2023-014

The City of Cottage Grove has applied for a text amendment to remove bees, honey, chickens, ducks, and eggs from the Agricultural Use definition in City Code Title 11-1-3.

Jakes summarized the staff report and recommended approval.

Brittain asked if staff felt there was any need to maintain a certain something in Agricultural with respect to chickens and eggs regarding if they exceed a certain number; so, if somebody wanted to do agriculture, is the new ordinance going to handle agricultural and residential uses. Jakes replied the previously adopted chicken ordinance addresses both residential and agricultural. Also, note we have a section in the Zoning Code for Farming Operations in both Agricultural and Residential Districts that would also cover both of those areas. Brittain asked if there wouldn't be a conflict in that, that you needed to change the other ones. Jakes replied that's correct. It's just the cleanup here to remove chickens, ducks, and eggs.

Fisher asked if there is an ordinance already written to talk about bees. Jakes replied yes, there is an ordinance currently being written by the City Attorney that will be before the Council at the August 16 Council Meeting.

Knable asked if this grandfathered in any current beekeepers in the City, or how does that work if you already have bees on your property. Jakes replied to our knowledge, there is currently no beekeeping within the City; however, that would be addressed as we move forward and enact this. He would imagine that we would work through that process at that point and look into whether it is legal nonconforming, etc. and work through that with the City Attorney as well.

Stephens asked if this is going to be more restrictive or more allowing of bees and beekeeping. Jakes replied the current intent is to allow them in in Residential and Agricultural Districts. There is proposed to be constraints on the number of colonies, which dictates the number of bees you can have. There are also limits on certain residential Zoning Districts; so, it would just be single-family lots, R-1 through R-4, and then there would be limits on where they are allowed. There would be additional setbacks on the colony location as well. Stephens asked if the Commission is only approving it to be removed because of where it is going. Jakes replied yes, the proposed ordinance in full would be placed in Title 5, which is under the authority of the City Council, so they would be the acting body on that. The Planning Commission's purview is within Title 11, which is where the current definition is, so the Text Amendment before you tonight deletes bees from that, since the Planning Commission has recommendation authority within Title 9, so we would be removing the definition from there and moving that to Title 5.

Fisher asked what the catalyst was for the bee editing here. It seems kind of like a random thing to be looking at. Jakes replied that maybe a month or so ago, there was interest expressed from the public at one of the Council meetings, so Council directed staff to conduct further research on whether it is plausible for bees to be within residential areas, agricultural, etc. Staff has been conducting research on that and working with the City Attorney on a proposed ordinance that will be before Council.

Frazier clarified with Jakes, so everyone here and those watching at home will understand, that right now, the Zoning ordinance prevents anybody from keeping bees in residential areas. Jakes replied that's partially correct; it would be any property over five acres in a residential area. Frazier asked by removing this, City Council will then be able to pass an ordinance that they can regulate who can keep them, but will kind of give greater access to people in the City to keep bees if they have less than five acres. Jakes replied that is correct. He also noted there would a permit/licensing process that would be issued through the City Clerk's office, similar to the chicken and duck process.

Frazier opened the public hearing. No one spoke. Frazier closed the public hearing.

Frazier commented he will be interested to see what the ordinance looks like because he knows his wife is one of these people who would like to keep bees, and she was always very upset that we could not do that. So, we will see how it pans out.

Stephens made a motion to approve the zoning definition Text Amendment. Knable seconded. Motion passed unanimously (6-to-0 vote).

6.2 Water Resource Chapter Comp Plan Amendment – CP2023-015

The City of Cottage Grove has applied for a text and map amendment to the Wastewater Management section of Chapter 7 in the 2040 Comprehensive Plan. The amendment includes the most recent calculations of future wastewater flow into the Metropolitan Council's South Washington County Interceptor and a map update showing additional sewer connections to the interceptor within the city.

Mroska summarized the staff report and recommended approval.

Rasmussen asked looking at the two maps, he sees the new connection points that they were asking for and if what is in green is the future sanitary sewer. Mroska replied that is correct; those are the future sanitary pipelines.

Frazier opened the public hearing. No one spoke. Frazier closed the public hearing.

Fisher made a motion to approve the Comprehensive Plan amendment to the Water Resource Chapter. Rasmussen seconded. Motion passed unanimously (6-to-0 vote).

Approval of Planning Commission Minutes of June 26, 2023

Knable made a motion to approve the minutes of the June 26, 2023, Planning Commission meeting. Rasmussen seconded. Motion passed unanimously (6-to-0 vote).

Reports

8.1 Recap of July 2023 City Council Meetings

Schmitz welcomed Riley Rooney to our Community Development team; she was here with us last summer as our Planning Intern. There was some adjustment in staffing to open an Associate Planner position, and Rooney was interested in coming back to be a part of our team.

Schmitz provided a summary of actions taken at the July 19, 2023 City Council meeting.

Khambata thanked the Planning Commission for all of their hard work. It is always nice to have an easy meeting, especially after some of the longer meetings we have recently had. The Council appreciates all of your hard work; we know that this is time and effort out of your day.

8.2 Response to Planning Commission Inquiries

None.

8.3 Planning Commission Requests

None.

Adjournment

Rasmussen made a motion to adjourn the meeting. Brittain seconded. Motion passed unanimously (6-to-0 vote). The meeting was adjourned at 7:17 p.m.



City Council Action Request

7.F.

Meeting Date	11/1/2023				
Department	Community Development				
Agenda Category	Action Item				
Title	Approval of Rental Licenses				
Staff Recommendation	Approve the issuance of rental licenses to the properties in the attached table.				
Budget Implication	N/A				
Attachments	<table><tr><td>1.</td><td>Rental License Approval CC Memo</td></tr><tr><td>2.</td><td>Rental License Approvals Table</td></tr></table>	1.	Rental License Approval CC Memo	2.	Rental License Approvals Table
1.	Rental License Approval CC Memo				
2.	Rental License Approvals Table				

TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Samantha Drewry, Code Enforcement Officer

DATE: October 26, 2023

RE: Rental License Approvals

Background/Discussion

Rental licenses are required for nonowner-occupied residential properties (City Code Title 9-13, Property Maintenance, and Title 9-14, Rental Licensing) and are issued on a biennial basis. The licensing process includes submittal of the rental license application, payment of \$180, and public criminal history report. Rental inspections are conducted on all rental properties as part of the licensing process. Once all information has been submitted and the inspection satisfactorily completed, the Council must approve the license prior to it being issued.

The properties listed in the attached table have completed the licensing process and are ready to have their licenses issued following Council approval.

Recommendation

Approve the issuance of rental licenses to the properties in the attached table.

2023 RENTAL LICENSES
CITY COUNCIL APPROVAL - NOVEMBER 1, 2023

RENTAL LICENSE NUMBER	PROPERTY STREET #	PROPERTY STREET NAME	PROPERTY OWNER
RENT-001878	8605	IVYWOOD AVENUE SOUTH	Sayler, Amanda
RENT-001902	7863	HEMINGWAY AVENUE SOUTH	Washington County CDA
RENT-001903	6102	IDETTE AVENUE SOUTH	Garcia, David
RENT-001900	8430	GOODVIEW AVENUE SOUTH	Gruenewald, Melissa



City Council Action Request

7.G.

Meeting Date	11/1/2023		
Department	Finance		
Agenda Category	Resolution		
Title	Accept Donations for 3rd Quarter 2023		
Staff Recommendation	Adopt Resolution 2023-137, accepting donations received in the 3rd Quarter 2023		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>2023-137 Resolution 3rd Quarter 2023 Donations</td></tr></table>	1.	2023-137 Resolution 3rd Quarter 2023 Donations
1.	2023-137 Resolution 3rd Quarter 2023 Donations		

CITY OF COTTAGE GROVE, MINNESOTA
CITY COUNCIL
RESOLUTION 2023-137
RESOLUTION ACCEPTING DONATIONS RECEIVED IN THE 3rd QUARTER
2023

WHEREAS, the businesses and individuals listed below have made donations to the City of Cottage Grove between July 1, 2023 and September 30, 2023;

Received From	Purpose	Amount
Paul & Allie Schumacher	EMS	\$500
Cottage Grove Hockey Associations	2 nd Half of Glacial Valley Rink Boards	\$22,500
Teddy's Heart Foundation	AED at Glacial Valley Park	\$5,912
Pheasants Forever, Cottage Grove Chapter	Archery	\$2,000

And WHEREAS, the City of Cottage Grove, on behalf of the EMS, Parks and Recreation Departments, gratefully accepts these donations and recommends that they be used for the proposes intended by the donors.

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, that the donations received in the third quarter of the 2023 fiscal year, listed in this resolution, and totaling \$30,912 be accepted on behalf of the city operations that they were designated to support, with the sincere thanks of the City Council.

Passed this 1st day of November 2023.

Myron Bailey, Mayor

Attest:

Tamara Anderson, City Clerk



City Council Action Request

7.H.

Meeting Date	11/1/2023		
Department	Public Works		
Agenda Category	Action Item		
Title	Sale of Surplus Property		
Staff Recommendation	Authorize Public Works to advertise and sell surplus property on Municibid.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Memo - Cranky Ape 2023 lift</td></tr></table>	1.	Memo - Cranky Ape 2023 lift
1.	Memo - Cranky Ape 2023 lift		



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Adam Moshier, Facilities and Fleet Maintenance Manager

Date: 10/23/2023

RE: Sale of Surplus Property

Introduction

Staff is requesting a Mohawk drive-on hoist be sold. The vehicle hoist is from the mechanic shop at Public Works. This was replaced by a new hoist as part of the 2023 budget.

Unit Number	Equipment	Asset Number
NA	Mohawk FL25 drive-on lift	3282

Requested Action

Authorize Public Works to advertise and sell surplus property on Municibid.



City Council Action Request

7.I.

Meeting Date 11/1/2023

Department Public Works

Agenda Category Action Item

Title F150 Lease Agreement with MN Department of Administration

Staff Recommendation Approve the lease agreement for the F150 with MN Department of Administration-Fleet Services for 5 years, 85,000 miles at an estimated rate of \$10,216.44 per year.

Budget Implication The equipment replacement fund will have a positive balance on leasing this truck compared to purchasing it outright. The estimated lease payment is \$10,216.44 per year for five years or \$51,082.20 total.

Attachments

1.	Lease of Pickup
2.	FY24 New Requisition for Leased Vehicle
3.	Lease Payment Estimate_COTTAGEGROVE_W1L
4.	City of Cottage Grove Amortization ESTIMATE
5.	24_FD_W1L_6.5ft_bed_COTTAGEGROVE_ADAM_REV4



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Adam Moshier, Fleet and Facilities Manager
Ryan Burfeind, Public Works Director
Brenda Malinowski, Finance Director

Date: 10/26/2023

RE: F150 Lease Agreement with MN Department of Administration-Fleet Services

Introduction

In the 2023 budget, there was \$55,000 to purchase a pickup truck for streets. Due to the increased costs of purchasing other pickups, staff is recommending leasing an F150 through the state program.

The addition of this vehicle was justified in the 2023 budget process and was included in the Financial Management Plan and 2023 budget.

Background

Staff is recommending a lease with the MN Department of Administration-Fleet Services. This is a program Hennepin and Stearns County, as well as many other cities and counties are participating in. The term of the lease would be 5 years, 85,000 miles with an estimated monthly lease rate of \$851.37. The current estimated interest rate is 4.5 percent and is not final until the State receives the truck sometime next year. There will be an option to extend the lease at the end of the term at a reduced rate depending on depreciation.

This lease amount includes the truck, regular maintenance and repair costs due to normal wear and tear, and depreciation. Any abuse or neglect would be the City's responsibility as well as insurance and fuel. City staff will be able to complete all maintenance on the vehicle which would be reimbursed by the State. An annual rate adjustment (increase or decrease) may be assessed to reflect projected operating expenses effective July 1st of each year.

Budget Implication

The equipment replacement fund will have a positive balance leasing this truck compared to purchasing it outright. The estimated lease payment is \$10,216.44 per year for five years or \$51,082.20 total.

Recommendation

The City Council approve the lease agreement for the F150 with MN Department of Administration-Fleet Services for 5 years, 85,000 miles at an estimated rate of \$10,216.44 per year.

FY23 Requisition for Leased Vehicle

Minnesota Statutes 16C.137, subdivision 1, directs public agencies to implement purchasing practices that can be used to positively impact the environment. Executive Order 19-27 directs State agencies to take steps that include reducing greenhouse gas emissions and a reduction in petroleum consumption by state vehicles.

The Department of Administration, Fleet Services is committed to this effort by working with State Agencies to replace fleet vehicles with “Greener” vehicles throughout the State fleet. We recommend that State Agencies choose a vehicle with the Green Fleet Choice logo  whenever possible. Through these fuel efficiencies, state government will have a substantial impact on the environment and economic efficiency.

Organization / Agency: City of Cottage Grove

M5 Dept. #:

Fleet Administrator

Name: Adam Moshier

Phone Number: 651-458-2844

Address: 8635 West Point Douglas Road South

City: Cottage Grove

State: MN

Zip: 55016

Email: amoshier@cottagegrovemn.gov

Type of Vehicle Order: ☒ New/ Additional ☐ Replacement *Vehicle # Being Replaced*

Vehicle Requested: Other (FSS Approved):

Justification for Greenhouse Score below 7 (requires commissioner approval):

Primary Use: ☐ Group Home ☐ ADA ☐ Law Enforcement ☐ Emergency Services ☐ Investigative ☐ Inspections
☐ Secure Client Transportation ☐ Campus Patrol ☐ Facility/Grounds ☐ Seasonal ☐ Heavy Duty Usage ☐ Passenger Use
☐ Required per Statute ☐ Management/Administrative ☐ K-9 ☒ Other: Public Works

Required Passenger Vehicle Information: Average Number of Passengers Transported Daily: ☒ 1-2 ☐ 3-5 ☐ 6 or more

Special Equipment or Options Request *(There may be an additional cost if not included on contract i.e. color choice*, power seat, accessibility ramps, security partitions, tow and plow packages, etc.):*

***Color choices are NOT guaranteed**

License Plates:

☒ City/County Tax Exempt

☐ State Government

☐ Unmarked *

*** Unmarked per M.S. 168.012 Subdivision 1c through 1k (include letter, on agency letterhead, for the use of the unmarked plate)**

Vehicle Decals:

☐ “Fleet Services”

☐ Provided by Customer
(prior to delivery)

☐ No decals (include justification)

☒ Customer Installing
(after delivery)

FY23 Requisition for Leased Vehicle (con't)

Lease Term: 5 years / 85,000 miles (max)	Estimated Annual Mileage: 10,000
Driver Information	
☒ Various Drivers ☐ Driver Name (if assigned):	
Address:	Phone Number:
City :	State: Zip:
Email:	
Vehicle Overnight Parking Location: Driver's Home	
Address: 8635 West Point Douglas Road South	
City : Cottage Grove	
State: MN	Zip: 55016
Additional Billing Information (Optional): Invoice/Program/Order #:	
Unit Level 1:	Unit Level 2: Unit Level 3:
<i>Customer agrees vehicle lease rates will begin at the time vehicle is picked up <u>or</u> 10 days from receipt of notification the new vehicle is ready for pickup, whichever comes first.</i>	
Signature of Fleet Administrator: _____ Date: _____	
Signature of Authorized Signer: _____ Date: _____	
Signature of Agency Commissioner: _____ Date: _____	
<i>(Commissioner signature required for vehicles not meeting the Green Fleet Choice.)</i>	

FLEET SERVICES USE ONLY:

Unit #:	PO #:	☐ ML Draw ☐ 5100 Fund	☐ Political Sub ☐ No Transit Tax	☐ No Telematics ☐ No Fuel Card
Tech Spec:	ML Term:	Class 5:	Profile:	
Request #:	Plate #:	PM Code:	Pick Up Date/ Mileage:	

Chargeback/Capital Adjustment	Vendor:	Quote #:	PO #
Upfit Description:			
Alternate Description:			

Vehicle Payment Estimate - Long Term Lease

Department of Administration, Fleet Services agrees to furnish a vehicle for official government business according to the terms and conditions set forth in this document. Fleet Services is responsible for providing and maintaining vehicles that meet current legal requirements for safe vehicle operation.

VEHICLE LEASE RATES LISTED BELOW MAY CHANGE DUE TO CURRENT INTEREST RATES AT THE TIME THE VEHICLE IS RECEIVED

Agency: City of Cottage Grove
Vehicle Year, Make, Model: 2024 Ford F-150 (W1L) XL 4WD SuperCrew 6.5' Box
Replacing (Fleet Unit or Agency Owned): NEW
Estimated Vehicle Capital Cost: \$51,568.31
Lease Term: 5 Years
Maximum Miles (Not to Exceed): 85,000
Estimated Monthly Lease Rate: \$851.37

Terms:

- An annual rate adjustment (increase/decrease) may be assessed to reflect projected operating expenses effective July 1 of each year.
- Pay Fleet Services for over lease mileage allowance charge.
- Pay Fleet Services invoices within 30 days after receipt.

Additional Terms:

- Customer is responsible for safe and lawful operation of the assigned vehicle.
- Customer will comply with Statute 16B.55 and procedures governing the use of state vehicles.
- Customer may not modify the assigned equipment in such a way that it is unsafe or unlawful to operate.
- Customer must not disable or remove any manufacturer installed safety equipment.
- Fleet Services must approve any significant modification to the assigned equipment prior to the modification.
 - Modifications that jeopardize safe equipment operation will not be approved.
 - Any modification done to the vehicle must be removed prior to turn in.
 - Damage repair from modifications may be charged to the customer.
- Items removed from the vehicle (seats, tailgate, etc.) must be reinstalled or returned with the vehicle.
 - Fleet Services may charge the customer for any missing items either for replacement cost or anticipated loss on sale.
- Early Lease Termination. The vehicle may be returned to Fleet Services prior to the end of the agreed term if the customer notifies Fleet Services in writing one complete billing period prior to turn in.
 - Customer will be assessed a \$500 early termination fee.
 - Customer will continue to pay the current lease rate until the vehicle is reassigned or sold. FSS will make every effort to re-assign or sell vehicle as expeditiously as possible.
- Cost of repairs due to misuse, abuse, neglect of the vehicle/equipment, or smoking in the vehicle is the responsibility of the customer.
- Vehicles turned in with unreported body damage will be assessed up to the \$500 insurance deductible.
- Political Subdivision is required to provide their own insurance coverage.
- Political Subdivision agrees to indemnify, hold harmless and defend with the approval of the Minnesota Attorney General, the State of Minnesota, Department of Administration, Fleet Services for all claims, liabilities and damages as a result of Political Subdivision's use of the leased vehicle(s) under this lease.

Cleanliness and Care:

It is important that Fleet Services vehicles present a clean and positive image to the public.

- Customer is responsible to keep the vehicle clean and presentable.
- Use car wash facilities that are run in conjunction with fuel stations when possible. Take advantage of savings with fuel fill.
- Customer is responsible for interior upkeep and cleaning.
- **SMOKING IS NOT ALLOWED IN ANY VEHICLE LEASED FROM FLEET SERVICES**

Final lease rates and lease term will be reflected on the official Vehicle Assignment – Long Term Lease agreement document.

Customer Authorized Signature: _____ Date: _____

eff. 9/8/2022

City of Cottage Grove Estimate

Month	Date	Pmt	Fixed Rates		Adjusts Annually			Vehicle Balance
			Depreciation	Interest	Maintenance	Administration	Insurance	
								36,098.00
1	TBD	851.36	601.63	109.90	47.42	57.83	34.58	35,496.37
2		851.36	601.63	109.90	47.42	57.83	34.58	34,894.74
3		851.36	601.63	109.90	47.42	57.83	34.58	34,293.11
4		851.36	601.63	109.90	47.42	57.83	34.58	33,691.48
5		851.36	601.63	109.90	47.42	57.83	34.58	33,089.85
6		851.36	601.63	109.90	47.42	57.83	34.58	32,488.22
7		851.36	601.63	109.90	47.42	57.83	34.58	31,886.59
8		851.36	601.63	109.90	47.42	57.83	34.58	31,284.96
9		851.36	601.63	109.90	47.42	57.83	34.58	30,683.33
10		851.36	601.63	109.90	47.42	57.83	34.58	30,081.70
11		851.36	601.63	109.90	47.42	57.83	34.58	29,480.07
12		851.36	601.63	109.90	47.42	57.83	34.58	28,878.44
13		851.36	601.63	109.90	47.42	57.83	34.58	28,276.81
14		851.36	601.63	109.90	47.42	57.83	34.58	27,675.18
15		851.36	601.63	109.90	47.42	57.83	34.58	27,073.55
16		851.36	601.63	109.90	47.42	57.83	34.58	26,471.92
17		851.36	601.63	109.90	47.42	57.83	34.58	25,870.29
18		851.36	601.63	109.90	47.42	57.83	34.58	25,268.66
19		851.36	601.63	109.90	47.42	57.83	34.58	24,667.03
20		851.36	601.63	109.90	47.42	57.83	34.58	24,065.40
21		851.36	601.63	109.90	47.42	57.83	34.58	23,463.77
22		851.36	601.63	109.90	47.42	57.83	34.58	22,862.14
23		851.36	601.63	109.90	47.42	57.83	34.58	22,260.51
24		851.36	601.63	109.90	47.42	57.83	34.58	21,658.88
25		851.36	601.63	109.90	47.42	57.83	34.58	21,057.25
26		851.36	601.63	109.90	47.42	57.83	34.58	20,455.62
27		851.36	601.63	109.90	47.42	57.83	34.58	19,853.99
28		851.36	601.63	109.90	47.42	57.83	34.58	19,252.36
29		851.36	601.63	109.90	47.42	57.83	34.58	18,650.73
30		851.36	601.63	109.90	47.42	57.83	34.58	18,049.10
31		851.36	601.63	109.90	47.42	57.83	34.58	17,447.47

32	851.36	601.63	109.90	47.42	57.83	34.58	16,845.84
33	851.36	601.63	109.90	47.42	57.83	34.58	16,244.21
34	851.36	601.63	109.90	47.42	57.83	34.58	15,642.58
35	851.36	601.63	109.90	47.42	57.83	34.58	15,040.95
36	851.36	601.63	109.90	47.42	57.83	34.58	14,439.32
37	851.36	601.63	109.90	47.42	57.83	34.58	13,837.69
38	851.36	601.63	109.90	47.42	57.83	34.58	13,236.06
39	851.36	601.63	109.90	47.42	57.83	34.58	12,634.43
40	851.36	601.63	109.90	47.42	57.83	34.58	12,032.80
41	851.36	601.63	109.90	47.42	57.83	34.58	11,431.17
42	851.36	601.63	109.90	47.42	57.83	34.58	10,829.54
43	851.36	601.63	109.90	47.42	57.83	34.58	10,227.91
44	851.36	601.63	109.90	47.42	57.83	34.58	9,626.28
45	851.36	601.63	109.90	47.42	57.83	34.58	9,024.65
46	851.36	601.63	109.90	47.42	57.83	34.58	8,423.02
47	851.36	601.63	109.90	47.42	57.83	34.58	7,821.39
48	851.36	601.63	109.90	47.42	57.83	34.58	7,219.76
49	851.36	601.63	109.90	47.42	57.83	34.58	6,618.13
50	851.36	601.63	109.90	47.42	57.83	34.58	6,016.50
51	851.36	601.63	109.90	47.42	57.83	34.58	5,414.87
52	851.36	601.63	109.90	47.42	57.83	34.58	4,813.24
53	851.36	601.63	109.90	47.42	57.83	34.58	4,211.61
54	851.36	601.63	109.90	47.42	57.83	34.58	3,609.98
55	851.36	601.63	109.90	47.42	57.83	34.58	3,008.35
56	851.36	601.63	109.90	47.42	57.83	34.58	2,406.72
57	851.36	601.63	109.90	47.42	57.83	34.58	1,805.09
58	851.36	601.63	109.90	47.42	57.83	34.58	1,203.46
59	851.36	601.63	109.90	47.42	57.83	34.58	601.83
60	851.36	601.63	109.90	47.42	57.83	34.58	0.20

2024 Ford F-150 (W1L) XL 4WD SuperCrew 6.5' Box

CITY OF COTTAGEGROVE

ADAM MOSHIER

Contract : T-642

STATE ID : FTM16

CONTRACT VENDOR

MIDWAY FORD

2777 SNELLING AVE N

ROSEVILLE MN 55113

VENDORNNO. : 0000193445

CONTRACT NO. : 169665

CODE	DESCRIPTION	PRICE
W1L	2024 Ford F-150 (W1L) XL 4WD SuperCrew 6.5' Box	\$43,264.31
101A	Equipment Group 101A Standard	\$0.00
153	Front License Plate Bracket	\$0.00
41H	Engine Block Heater	\$82.00
44G	Transmission: Electronic 10-Speed Automatic	\$0.00
53T	Tow/Haul Package	\$715.00
64C	Wheels: 17" Silver Steel	\$0.00
85H	Back-Up Alarm System	\$200.00
91P	8-Way Power Driver's Seat w/Power Lumbar	\$319.00
924	Rear Window Fixed Privacy Glass w/Defroster	\$91.00
942	Daytime Running Lamps	\$41.00
96W	Tough Bed Spray-In Bedliner	\$542.00
998	Engine: 3.5L V6 EcoBoos	\$264.00
C09	Priced DORA	\$0.00
CS	Black w/Medium Dark Slate, Cloth 40/20/40 Front Seat	\$0.00
JS	Iconic Silver Metallic	\$0.00
T7C	Tires: LT265/70R17C BSW A/T	\$269.00
XL9	Electronic Locking w/3.55 Axle Ratio	INC.
FIMAC	Front & Rear Molded Splash Guards	\$186.00
	SUB TOTAL	\$45,973.31
	TRANSIT TAX	\$20.00
	SUB TOTAL	\$45,993.31
	UPFIT (Lsited Below)	\$5,575.00
	Total Build Out Price	\$51,568.31
	Total Lease Price	\$ 51,082.20 \$10,216.44 per year

ASPEN EQUIPMENT

QUOTE: EQT001203_v1

DATED 08/10/2023

UPFIT

56" LO-SIDE - ALUMINUM, CLEAR FINISH	\$1,668.00
5T904 2.5 lb. Fire Extinguisher - Class ABC Dry Chemical	\$70.00
4T307 2.5 lb. Fire Extinguisher Bracket	\$102.00
Mount strobe pair, route wire to switch, tie-up and guard	\$639.00
Wire Strokes Hot	\$160.00
Wire Strokes w/ High or Low intensity option	\$535.00
Whelen 15" Low Profile LINEAR Amber Strobe Bar, Permanent	\$1,230.00
Back Rack Toolbox Style Cab Protector (See App'l Guide for details)	\$724.00
Utility Light Bracket, Fits Driver or Pass-side, 16"x7" Rectangular	\$292.00
Toolbox Brackets	\$155.00
SUB TOTAL	\$5,575.00



City Council Action Request

7.J.

Meeting Date	11/1/2023										
Department	Parks and Recreation										
Agenda Category	Action Item										
Title	Glacial Valley Park Building - Change Order #1										
Staff Recommendation	Approve Glacial Valley Park change order #1 in the amount of \$42,434.61.										
Budget Implication	Including this change order, the project would be carrying approximately \$215,000 in budgeted contingency with the project nearing substantial completion.										
Attachments	<table><tr><td>1.</td><td>1-Memo - Change Order #1</td></tr><tr><td>2.</td><td>2-CGGV Vinco CO #1</td></tr><tr><td>3.</td><td>3-CGGV Vinco CO #2</td></tr><tr><td>4.</td><td>4-CGGV Ebert CO #1</td></tr><tr><td>5.</td><td>5-Cottage Grove Glacial Valley Park Building -CO1 Additional Readers</td></tr></table>	1.	1-Memo - Change Order #1	2.	2-CGGV Vinco CO #1	3.	3-CGGV Vinco CO #2	4.	4-CGGV Ebert CO #1	5.	5-Cottage Grove Glacial Valley Park Building -CO1 Additional Readers
1.	1-Memo - Change Order #1										
2.	2-CGGV Vinco CO #1										
3.	3-CGGV Vinco CO #2										
4.	4-CGGV Ebert CO #1										
5.	5-Cottage Grove Glacial Valley Park Building -CO1 Additional Readers										



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Zac Dockter, Parks and Recreation Director

CC:

Date: October 18, 2023

Subject: Glacial Valley Park Building – Change Order #1

Introduction/Background

Glacial Valley Park Building construction continues to progress within the original project schedule and budget. Multiple design changes have been made during construction resulting in the need for a change order request. Change order #1 is detailed as follows:

Trade: Electric
Contractor: Vinco
Cost: \$18,836.80
Description: Updated access card reader/security rough-in locations as requested by owner
Added wiring and mounting of City-provided (donated) AED/SaveStation unit
Modifications to HVAC systems resulting from conversion from geothermal (credit from that conversion applied to HVAC trade)

Trade: Electric
Contractor: Vinco
Cost: \$1,756.81
Description: Additional electric required for condensate pump

Trade: Carpentry
Contractor: Ebert
Cost: (\$170.00) credit
Description: Reduced blocking at roof as result of HVAC conversion

Trade: Technology
Contractor: LVI
Cost: \$22,011
Description: City IT staff requested the addition of 8 additional card readers at doors

All change orders have been reviewed and approved by the Architect, Construction Manager and staff team. With the inclusion of this change order, the project would be carrying approximately \$215,000 in budgeted contingency with the project nearing substantial completion.

Staff Recommendation

Approve Glacial Valley Park change order #1 in the amount of \$42,434.61.



KRAUS-ANDERSON®
Construction Company

501 South Eighth Street
Minneapolis MN 55404

Contract Change Order

Project: 2210103-02 Cottage Grove Glacial Valley Park
12800 Ravine Parkway South
Cottage Grove, MN 55016

Contract #: 2210103-WS 26-A
Contract Change Order #: 1
Change Order Date: 10/2/23

To Contractor : Vinco, Inc.
18955 Forest Boulevard North, P.O. Box 907
Forest Lake, MN 55025

THE CONTRACT IS CHANGED AS FOLLOWS:

PCO	Item	Description	Amount
1	1	Electrical per Wold PR #01.	\$6,155.32
12	2	Electrical per Wold PR #05.	\$2,293.64
13	2	Electrical per Wold PR #06.	\$10,387.84

Total **\$18,836.80**

The original Contract Sum was	\$361,125.00
The net change by previously authorized Change Orders was	\$0.00
The Contract Sum prior to this Change Order was	\$361,125.00
The Contract Sum will be increased by this Change Order	\$18,836.80
The new Contract Sum will be	\$379,961.80

NOT VALID UNTIL SIGNED BY THE OWNER, CONSTRUCTION MANAGER, ARCHITECT AND CONTRACTOR

Kraus-Anderson Construction Company

CONSTRUCTION MANAGER *(Firm name)*

501 South Eighth Street
Minneapolis MN 55404

ADDRESS

BY *(Signature)*

Dan Kjellberg

(Typed name)

DATE:

Vinco, Inc.

CONTRACTOR *(Firm name)*

18955 Forest Boulevard North, P.O. Box 907
Forest Lake, MN 55025

ADDRESS

BY *(Signature)*

(Typed name)

DATE:

Wold Architects & Engineers

ARCHITECT *(Firm name)*

332 Minnesota Street - Suite W2000
Saint Paul, MN 55101

ADDRESS

BY *(Signature)*

Jacob Wollensak

(Typed name)

DATE:

City Of Cottage Grove

OWNER *(Firm name)*

8635 W. Point Douglas Rd
Cottage Grove, MN 55016

ADDRESS

BY *(Signature)*

Jennifer Levitt

(Typed name)

DATE:



Change Order Request

Project: 2210103-02
Cottage Grove Glacial Valley Park
12800 Ravine Parkway South
Cottage Grove, MN 55016

To: Owner City Of Cottage Grove
8635 W. Point Douglas Rd
Cottage Grove, MN 55016

COR # 1.00

Date: 5/2/2023

From: Kraus-Anderson Construction Company
501 South Eighth Street
Minneapolis, MN 55404

KA Cost Check: Cost appears in line with scope of work.

PCO # 1 - Wold PR #01 - Electrical Clarifications

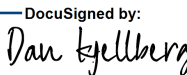
Item #	Description	Vendor	Amount
1	Electrical per Wold PR #01.	Vinco, Inc.	\$6,155.32
Total For Change Order			\$6,155.32

Approved By: City Of Cottage Grove

Signed: 
8A511E9BB97048B...

Date: 7/24/2023 | 9:07 AM CD

Submitted By: Kraus-Anderson Construction Company

Signed: 
F4D5F6D752524E2...

Date: 7/20/2023 | 6:54 AM CD

Accepted By: Wold Architects & Engineers

Signed: 
E462463603DC4EF...

Date: 7/21/2023 | 2:15 PM CD

CITY OF COTTAGE GROVE - GLACIAL VALLEY PARK BUILDING

Vinco, Inc.
PO BOX 907
Forest Lake, MN 55025
Project Manager: Matt Rivera

Date : 4/11/23

PCO #: 1
PR/SI # 1

COST SUMMARY				
Description	Cost	Notes/Attachments		
Labor Total	\$ 3,906.40	(Auto Fill from Sub-Total Below)		
Materials and Equipment Total	\$ 1,581.52	(Auto Fill from Sub-Total Below)		
Tax on Materials and Equipment Only	\$ 118.61	<<< Provide Sales/Use Tax Total		
Self Performed Subtotal	\$ 5,487.92			
10% Overhead and Profit	\$ 548.79	(10% is the max fee allowed on CO's)		
Self Performed Total	\$ 6,036.71			
Subcontractors	\$ -	Auto Fill from Sub-Total Below		
5% Overhead and Profit on Subs	\$ -	(5% is the max allowed on subcontractors)		
Subcontractor Total	\$ -			
TOTAL COST OF CHANGE	\$ 6,155.32			
Signature: Matthew Rivera				
Contractor acknowledges no other Costs associated with this PCO.				
PROVIDE DETAIL BREAKDOWN BELOW:				
Labor By Task	Qty	Unit	Unit Cost	Total Cost
Extending LV raceway into above ACT ceiling	22.55		\$ 120.00	\$ 2,706.00
Install Pull Strings in LV raceway	4.5		\$ 120.00	\$ 540.00
Install (2) additional receptacles	2		\$ 120.00	\$ 240.00
Install stub out for fiber	3.5		\$ 120.00	\$ 420.00
Sub-Total				\$ 3,906.00
Materials and Equipment By Task	Qty	Unit	Unit Cost	Total Cost
EMT Conduit for raceway				\$ 777.00
Pull string for LV				\$ 382.25
Fiber raceway				\$ 422.27
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Sub-Total				\$ 1,581.52
Sub-Contractor Proposals	Description of Work	Total Cost		
		\$ -		
		\$ -		
		\$ -		
		\$ -		
Sub-Total	(Attach Sub-Contractor Proposals)	\$ -		

DocuSign Envelope ID: 2F0940C4-02AF-4ECA-A509-DDCC4DBF5F81							
			C	D	E	F	G
1	Item #	Item Name	Quantity	Price 1	U	Ext Price 1	Labor Hours
2	Label Set: Combined, Combined, Combined, Combined, Combined					<u>\$1,581.52</u>	<u>32.55</u>
3	CCode: Branch Rough					<u>\$777.00</u>	<u>22.55</u>
4	1,507	1/2 EMT CONDUIT	49.78	\$74.29	C	\$36.98	
5	1,508	3/4 EMT CONDUIT	500.00	\$116.36	C	\$581.80	
6	1,676	1/2 EMT CONN S/S	4.98	\$27.40	C	\$1.36	
7	1,677	3/4 EMT CONN S/S	75.31	\$44.60	C	\$33.58	
8	1,748	1/2 EMT COUP S/S	4.98	\$36.37	C	\$1.81	
9	1,749	3/4 EMT COUP S/S	75.31	\$54.85	C	\$41.30	
10	7,599	3/8-1/2 COND HGR W/BOLT	9.96	\$43.49	C	\$4.33	
11	7,600	3/4 STL COND HGR W/BOLT	150.61	\$50.35	C	\$75.83	
12	5,508	1/4-20 X 3/8 RH MACH SCREW	160.57	\$2.82	C	\$4.53	
13	7,575	1/4-20 APP BEAM CLAMP	160.57	\$167.50	C	\$268.95	
14	CCode: Trim Devices/Plates					<u>\$108.76</u>	<u>2.00</u>
15	24,734	DPLX 5-20R GFCI IV EXTRA HD	2.00	\$51.36	E	\$102.72	
16	26,348	GROUND SCREW/#12 PIGTAIL	2.00	\$302.14	C	\$6.04	
17	CCode: Drill, Cutting/Core					<u>\$0.00</u>	<u>1.50</u>
18	27,460	2X8 CORE-DRILL CONCRETE W/LAYOUT	1.00	\$0.00	X	\$0.00	1.26
19	CCode: Underground/Civil Work					<u>\$0.00</u>	<u>0.00</u>
20	CCode: Branch Wire					<u>\$422.27</u>	<u>3.35</u>
21	31	12 THHN CU STRANDED	60.00	\$142.03	M	\$22.27	
22	10,120	90LB 1350' NYLON FISH LINE	1.00	\$400.00	E	\$400.00	
23	10,143	INSTALL PULL LINE WITH CONDUIT	820.90	\$0.00	E	\$0.00	
24						<u>\$1,581.52</u>	<u>32.55</u>



KRAUS-ANDERSON®
Construction Company

**501 South Eighth Street
Minneapolis, MN 55404**

Request For Proposal

Project:	2210103-02 Cottage Grove Glacial Valley Park 12800 Ravine Parkway South Cottage Grove, MN 55016	PCO #:	1
		Date:	03/20/2023

To: Matt Harder, Kraus-Anderson Construction Company
Zac Docter, City Of Cottage Grove
Matthew Rivera, Vinco, Inc.
Jacob Wollensak, Wold Architects & Engineers
Michael Stephens, Wold Architects & Engineers
Allison Timmins, Wold Architects & Engineers

Please provide a cost breakdown in accordance with the Contract Documents and a Summary for the Change described herein and on the attachments (if any) listed. All responses are required within seven (7) days.

This is not an authorization to proceed with the work described herein unless and until approved by the Owner. On approval, this change will be included in a Change Order, which will provide the formal Contract Change.

DESCRIPTION OF PROPOSAL:

Please provide a cost estimate per the attached Wold Architects and Engineers PR #01 dated March 19, 2023 regarding electrical clarifications.

Attachments: Wold PR #1 dated 3/19/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____



PROPOSAL REQUEST

City of Cottage Grove	Glacial Valley Park Building
Kraus-Anderson	Attn: Dan Kjellberg/Rachel Struckman
501 South Eighth Street	
Minneapolis, MN 55404	
612.332.7281	
dan.kjellberg@krausanderson.com / rachel.struckman@krausanderson.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change. COST EXPECTATIONS: ☐ DEDUCT ☐ NO COST ☐ ADD	PR: 01
	Comm: 222064
	Const. Pkg: [Status]

Distribution:

- ☐ Adam Moshier, CG
- ☐ Zac Dockter, CG
- ☒ Dustin Phillips, KA
- ☒ Jake Wollensak, Wold
- ☒ Tom Clark, Wold
- ☒ Michael Stephens, Wold
- ☒ Allison Timmins, Wold
- ☐ Pat Jansen, Wold
- ☐ Angel Gonzalez, Wold
- ☒ Sean McNamara, Wold
- ☒ Derek Peterson, Wold
- ☐ Linda Peters, BKBM
- ☐ Drew Luebke, BKBM
- ☐ Jay Pomeroy, BMI
- ☐ Jeff Toutant, BMI

Item	Description
1	Electrical Clarifications
1.1	See revised sheet E1.00 for updated locations of card access devices/head end equipment, patch panel, and security head end equipment by Owner.

Attachments: E1.00

Issued By: Jake Wollensak

Date: 03/19/23

Wold Architects and Engineers
 332 Minnesota Street, Suite W2000
 Saint Paul, MN 55101
 woldae.com | 651 227 7773

PLANNERS
ARCHITECTS
ENGINEERS



Change Order Request

Project:
2210103-02
Cottage Grove Glacial Valley Park
12800 Ravine Parkway South
Cottage Grove, MN 55016

COR # 5.00

Date: 9/18/2023

To: Owner
City Of Cottage Grove
8635 W. Point Douglas Rd
Cottage Grove, MN 55016

From: Kraus-Anderson Construction Company
501 South Eighth Street
Minneapolis, MN 55404

PCO # 12 - Wold PR #05 - AED Station

Item #	Description	Vendor	Amount
1	No cost change per Wold PR #05.	Ebert Construction	\$0.00
2	Electrical per Wold PR #05.	Vinco, Inc.	\$2,293.64
Total For Change Order			\$2,293.64

Approved By: City Of Cottage Grove

Signed:
8A511E9BB97048B...

Date: 9/26/2023 | 8:31 AM CD

Submitted By: Kraus-Anderson Construction Company

Signed:
F4D5F6D752524E2...

Date: 9/25/2023 | 6:59 AM CD

Accepted By: Wold Architects & Engineers

Signed:
E462463605DC4EF...

Date: 9/25/2023 | 12:40 PM CD

CITY OF COTTAGE GROVE - GLACIAL VALLEY PARK BUILDING

Vinco, Inc.
PO BOX 907
Forest Lake, MN 55025
Project Manager: Matt Rivera

Date : 7/14/23

PCO #: 12
PR/SI # 5

COST SUMMARY					
Description	Cost	Notes/Attachments			
Labor Total	\$ 1,858.95	(Auto Fill from Sub-Total Below)			
Materials and Equipment Total	\$ 211.92	(Auto Fill from Sub-Total Below)			
Tax on Materials and Equipment Only	\$ 15.68	<<< Provide Sales/Use Tax Total			
Self Performed Subtotal	\$ 2,070.87				
10% Overhead and Profit	\$ 207.09	(10% is the max fee allowed on CO's)			
Self Performed Total	\$ 2,277.96				
Subcontractors	\$ -	Auto Fill from Sub-Total Below			
5% Overhead and Profit on Subs	\$ -	(5% is the max allowed on subcontractors)			
Subcontractor Total	\$ -				
TOTAL COST OF CHANGE	\$ 2,293.64				
Signature: Matthew Rivera					
Contractor acknowledges no other Costs associated with this PCO.					
PROVIDE DETAIL BREAKDOWN BELOW:					
Labor By Task		Qty	Unit	Unit Cost	Total Cost
Additional raceway, wire, terminations to AED station		13.77	HR	\$ 135.00	\$ 1,858.95
					\$ -
					\$ -
					\$ -
Sub-Total					\$ 1,858.95
Materials and Equipment By Task		Qty	Unit	Unit Cost	Total Cost
Additional raceway, wire, misc material for AED					\$ 211.92
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total					\$ 211.92
Sub-Contractor Proposals		Description of Work			Total Cost
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total					\$ -

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	Item #	Item Name	Quantity	Material	Labor
1					
2	Label Set: Combined, Combined, Combined, Combined, Combi			<u>\$211.92</u>	<u>13.77</u>
3	31	12 THHN CU STRANDED	389.93	\$55.38	1.95
4	1,507	1/2 EMT CONDUIT	123.79	\$91.97	3.08
5	1,676	1/2 EMT CONN S/S	12.38	\$3.39	0.62
6	1,748	1/2 EMT COUP S/S	12.38	\$4.50	0.47
7	5,508	1/4-20 X 3/8 RH MACH SCREW	24.76	\$0.70	0.00
8	7,575	1/4-20 APP BEAM CLAMP	24.76	\$41.47	4.66
9	7,599	3/8-1/2 COND HGR W/BOLT	24.76	\$10.77	2.74
10	24,732	DPLX 5-20R COMMERCIAL	1.00	\$3.74	0.25
11				<u>\$211.92</u>	<u>13.77</u>



KRAUS-ANDERSON®
Construction Company

**501 South Eighth Street
Minneapolis, MN 55404**

Request For Proposal

Project:	2210103- Cottage Grove Glacial Valley Park 9900 Ravine Parkway South Cottage Grove, MN 55016	PCO #:	12
		Date:	07/13/2023

To: Matt Harder, Kraus-Anderson Construction Company
Zac Dockter, City Of Cottage Grove
Chris Keller, Steenberg-Watrud Construction, LLC
Matthew Rivera, Vinco Inc.
Jacob Wollensak, Wold Architects & Engineers
Michael Stephens, Wold Architects & Engineers
Allison Timmins, Wold Architects & Engineers
Jake Stolquist, Ebert Construction

Please provide a cost breakdown in accordance with the Contract Documents and a Summary for the Change described herein and on the attachments (if any) listed. All responses are required within seven (7) days.

This is not an authorization to proceed with the work described herein unless and until approved by the Owner. On approval, this change will be included in a Change Order, which will provide the formal Contract Change.

DESCRIPTION OF PROPOSAL:

Please provide a cost estimate per the attached Wold Architects and Engineers PR #05 dated July 12, 2023 regarding AED station.

Attachments: Wold PR #5 dated 7/12/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____



PROPOSAL REQUEST

City of Cottage Grove	Glacial Valley Park Building
Kraus-Anderson	Attn: Dan Kjellberg/Rachel Struckman
501 South Eighth Street	
Minneapolis, MN 55404	
612.332.7281	
dan.kjellberg@krausanderson.com / rachel.struckman@krausanderson.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change. COST EXPECTATIONS: ☐ DEDUCT ☐ NO COST ☒ ADD	PR: 05
	Comm: 222064
	Const. Pkg: [Status]

Distribution:

- ☐ Adam Moshier, CG
- ☐ Zac Dockter, CG
- ☒ Dustin Phillips, KA
- ☒ Jake Wollensak, Wold
- ☐ Tom Clark, Wold
- ☐ Michael Stephens, Wold
- ☐ Allison Timmins, Wold
- ☐ Pat Jansen, Wold
- ☐ Angel Gonzalez, Wold
- ☒ Sean McNamara, Wold
- ☒ Derek Peterson, Wold
- ☐ Linda Peters, BKBM
- ☐ Drew Luebke, BKBM
- ☐ Jay Pomeroy, BMI
- ☐ Jeff Toutant, BMI

Item	Description
5	AED Station
5.1	Refer to revised sheet E1.00 for modifications to the power and systems plan to accommodate a new wall-mounted AED station.

Attachments: E1.00

Issued By: Michael Stephens

Date: 07/12/2023

Wold Architects and Engineers
 332 Minnesota Street, Suite W2000
 Saint Paul, MN 55101
 woldae.com | 651 227 7773

PLANNERS
ARCHITECTS
ENGINEERS

MN

GLACIAL VALLEY
PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE
GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

Wold

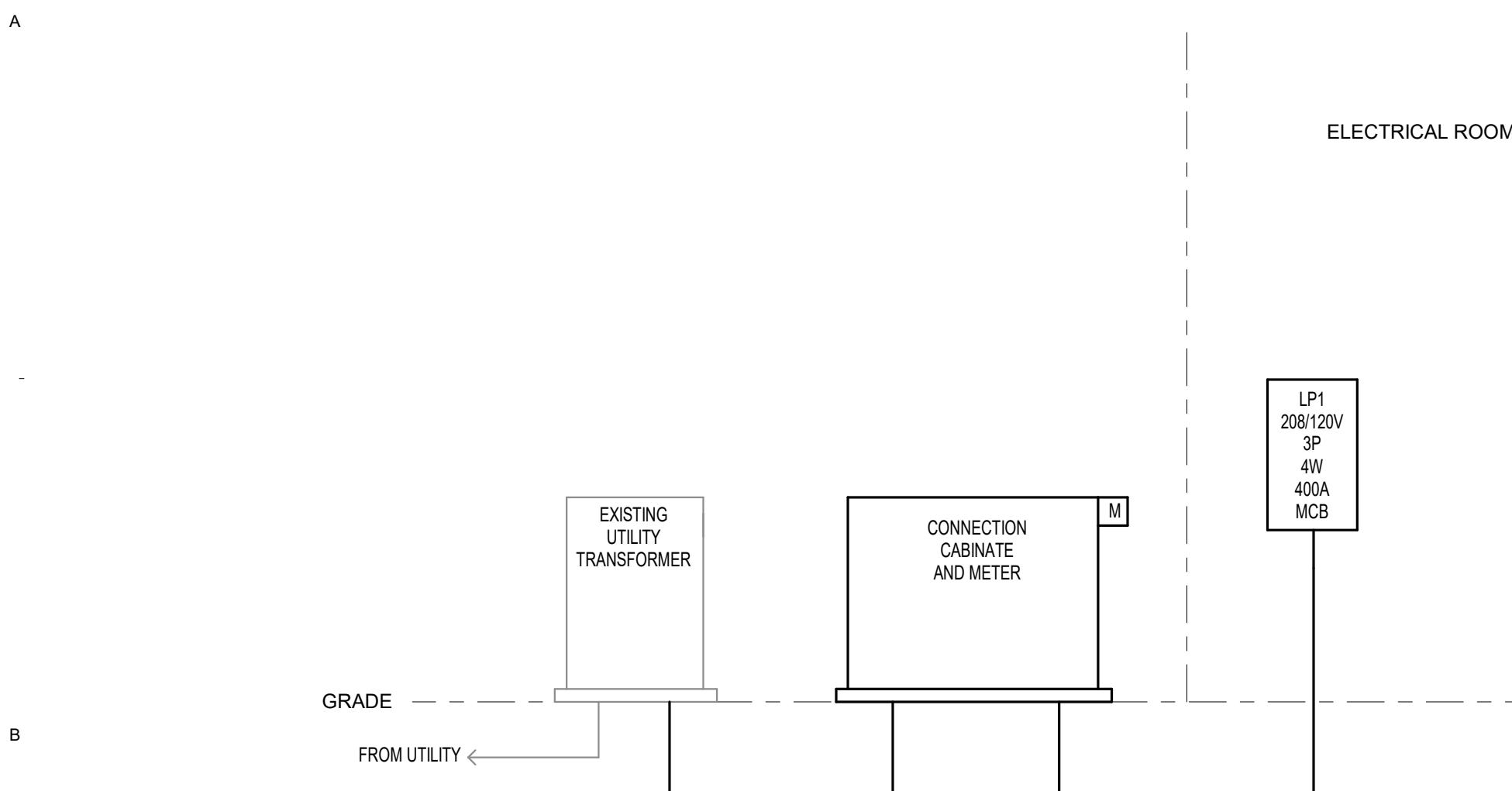
WOLD ARCHITECTS
AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

LIGHTING /
POWER &
SYSTEMS PLANS

Scale: As indicated

E1.00



B1 RISER DIAGRAM
N.T.S.

RISER NOTE:

- PANELBOARD SHALL BE SQUARED NQ OR APPROVED EQUAL.

FLOOR BOX (FB) SCHEDULE			
TYPE	DESCRIPTION	FACEPLATE	COVER
FB2	3-GANG, 4 POWER, 2 DATA, RECESSED DUAL SERVICE FLOORBOX CAST IRON, ROUND WIREMOLD RESOURCE RFMBE SERIES OR APPROVED EQUAL	(2) DUPLICATION FACEPLATE FOR POWER WIREMOLD RFMBE OR APPROVED EQUAL (1) STYLELINE FACEPLATES FOR SIGNAL WIREMOLD RFMBE OR APPROVED EQUAL	FLUSH, FLANGED LID BRUSHED ALUMINUM FINISH SUITABLE FOR TILE CARPET INSTALLATION WIREMOLD CTS OR APPROVED EQUAL PROVIDE SILICON BEAD AROUND OUTER EDGE OF COVER TO SEAL FROM MOISTURE

LIGHTING CONTROLS SCHEDULE						
MARK	INTENDED LOCATIONS OF USE	WALL SWITCH #LEGS	CCC SENSOR LOCATION	MANUAL (AUTO)	DIMMING	DAY LIGHT
A	MULTIPURPOSE/CLASSROOM	2	CEILING	MANUAL	X	
B	KITCHENETTE	1	CEILING	MANUAL		
C	STORAGE	1	WALL	MANUAL		
D	RESTROOMS	NONE	CEILING	AUTO		
E	PARKS STORAGE	1	NONE	MANUAL		
F	LOBBY/VEST	NONE	NONE	AUTO		
G	ELECTRICAL/MECHANICAL ROOMS	1	NONE	MANUAL		

GENERAL NOTES:
A. SCHEMES ARE SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLANS.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

3 PHASE FEEDER SCHEDULE (COPPER)			
FEEDER 3W (NO NEUTRAL)		FEEDER 4W (WITH NEUTRAL)	
ID	(AMPS)	CONDUIT-PHASE-GROUND	CONDUIT-PHASE-GROUND
20A	(1) 12°C, 3#12-1#12G	(1) 12°C, 4#12-1#12G	
30A	(1) 34°C, 3#10-1#10G	(1) 34°C, 4#10-1#10G	
40A	(1) 34°C, 3#8-1#8G	(1) 34°C, 4#8-1#8G	
50A	(1) 1°C, 3#6-1#6G	(1) 1°C, 4#6-1#6G	
60A	(1) 125°C, 3#4-1#4G	(1) 125°C, 4#4-1#4G	
80A	(1) 125°C, 3#3-1#3G	(1) 125°C, 4#3-1#3G	
100A	(1) 15°C, 3#1-1#1G	(1) 15°C, 4#1-1#1G	
125A	(1) 15°C, 3#1-1#1G	(1) 15°C, 4#1-1#1G	
150A	(1) 15°C, 3#10-1#10G	(1) 15°C, 4#10-1#10G	
175A	(1) 15°C, 3#20-1#20G	(1) 2°C, 4#20-1#20G	
200A	(1) 2°C, 3#30-1#30G	(1) 2°C, 4#30-1#30G	
225A	(1) 2°C, 3#40-1#40G	(1) 25°C, 4#40-1#40G	
250A	(1) 2°C, 3#250-1#250G	(1) 25°C, 4#250-1#250G	
300A	(1) 25°C, 3#350-1#350G	(1) 3°C, 4#350-1#350G	
400A	(2) 2°C, 3#30-1#30G	(2) 2°C, 4#30-1#30G	
500A	(2) 2°C, 3#250-1#250G	(2) 25°C, 4#250-1#250G	
600A	(2) 25°C, 3#350-1#350G	(2) 3°C, 4#350-1#350G	
800A	(2) 25°C, 3#300-1#300G	(2) 25°C, 4#300-1#300G	
1000A	(3) 3°C, 3#400-1#400G	(3) 3°C, 4#400-1#400G	
1200A	(4) 3°C, 3#350-1#350G	(4) 3°C, 4#350-1#350G	
1600A	(5) 3°C, 3#400-1#400G	(5) 3°C, 4#400-1#400G	
2000A	(6) 3°C, 3#400-1#250G	(6) 3°C, 4#400-1#250G	
2500A	(7) 3°C, 3#500-1#350G	(7) 3°C, 4#500-1#350G	
3000A	(8) 3°C, 3#500-1#400G	(8) 3.5°C, 4#500-1#400G	

GENERAL NOTES:
A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.
B. CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15 OF THE NEC FOR COPPER CONDUCTOR AT 90 DEG C FOR 100A AND BELOW. AMPACITIES ARE BASED ON 75 DEG C FOR 125A AND ABOVE.
C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DURATION FACTORS REQUIRED BY CODE AND/OR ARE OVERSIZED FOR VOLTAGE DROP.
D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.
E. CONDUIT ABOVE GRADE OUTDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.
F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.

PANELBOARD: LP1															
LOCATION: ELECTRICAL 109							VOLTAGE: 208Y/120 V, 3 ø 4 W.								
MOUNTING: SURFACE							A.F.C. SEE SHORT CIRCUIT STUDY								
MAINS TYPE:							SPECIAL:								
MAINS AMPS: 400A															
BUS AMPS:															
FED FROM:															
#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT		
1		PARKS STORAGE 108	RCPT	20 A	1	0.9	0.7			1	15 A	MTR	EF-1	2	
3		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.7		1	15 A	MTR	EF-2	4	
5		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.7	1	15 A	MTR	EF-3	6	
7		KITCHENETTE 107A	RCPT	20 A	1	0.2	0.2			1	15 A	MTR	WH-1	8	
9		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.1	1	15 A	MTR	B-1	10	
11		ELEC 109/CLASS 107	RCPT	20 A	1			0.7	0.5	1	15 A	MTR	CUH-1	12	
13		CLASSROOM 107	MTR	...	20 A	1	1.1	0.5		1	15 A	MTR	CUH-2	14	
15		LOBBY 101/N&S VEST	RCPT	20 A	1			1.1	0.7	1	15 A	MTR	UH-1	16	
17		RESTROOMS/MECH 105	RCPT	20 A	1			0.7	13.6	3	200 A	MTR	GHP-1	18	
19		KITCHENETTE 111	RCPT	20 A	1	0.2	13.6			--	--	--	--	20	
21		KITCHENETTE 111	RCPT	20 A	1		0.2	13.6		--	--	--	--	22	
23		KITCHENETTE 111	RCPT	20 A	1			0.2	0.8	3	30 A	MTR	FC-1	24	
25		KITCHENETTE 111	RCPT	20 A	1	0.2	0.8			--	--	--	--	26	
27		KITCHENETTE 111	RCPT	20 A	1			0.2	0.8	--	--	--	--	28	
29		KITCHENETTE 111	RCPT	20 A	1			0.2	0.9	1	15 A	MTR	FC-2	30	
31		MULTI 110/STOR 112	MTR	...	20 A	1	1.3	0.6		3	30 A	MTR	FC-3	32	
33		EXTERIOR	RCPT	20 A	1			0.2	0.6	--	--	--	--	34	
35		EXTERIOR	RCPT	20 A	1			0.2	0.6	--	--	--	--	36	
37		EXTERIOR	RCPT	20 A	1	0.2	0.8			3	30 A	MTR	FC-4	38	
39		STORAGE 108/ ELEC 109	LTG	20 A	1			0.4	0.8	--	--	--	--	40	
41		TOILET/KITCH 107A	LTG	20 A	1			0.3	0.8	--	--	--	--	42	
43		MECHANICAL 105	LTG	20 A	1	0.2	1.3			1	20 A	Other...	MULTIPURPOSE 110	44	
45		N. VEST/N. EXTERIOR	LTG	20 A	1		0.2	3.7		3	60 A	MTR	P-4	46	
47		S. VEST/S. EXTERIOR	LTG	20 A	1			0.2	3.7	--	--	--	--	48	
49		CLASSROOM 107	LTG	20 A	1	1.7	3.7			--	--	--	--	50	
51		KITCH/STORM/MULTI...	LTG	20 A	1		0.5	1.2		1	15 A	MTR	P-6	52	
53		MULTIPURPOSE 110	LTG	20 A	1			1.7	1.2	1	15 A	MTR	P-7	54	
55		LOBBY 101	LTG	20 A	1	1.8	1.2			1	15 A	MTR	P-8	56	
57	--	P-1	MTR	30 A	3			2.0	0.5		1	15 A	MTR	P-9	58
59	--	--	--	--	--			2.0	0.3	3	30 A	MTR	P-10	60	
61	--	--	--	--	--	2.0	0.3			--	--	--	--	62	
63	--	P-2	MTR	30 A	3			2.0	0.3	--	--	--	--	64	
65	--	--	--	--	--			2.0	0.0	1	20 A	--	MONUMENT LIGHTS	66	
67	--	--	--	--	--	2.0	0.1			1	20 A	MTR	CONDENSATE PUMP	68	
69	--	P-3	MTR	60 A	3			3.7	0.0	1	20 A	Other	AED	70	
71	--	--	--	--	--			3.7	0.0	1	20 A	--	SPARE	72	
73	--	--	--	--	--	3.7	0.0			1	20 A	--	SPARE	74	
75	--	P-5	MTR	15 A	1			1.2	0.0	1	20 A	--	SPARE	76	
77	--	FLOORBOX 107	RCPT	20 A	1			0.0	0.0	1	20 A	--	SPARE	78	
79	--	FLOORBOX 110	RCPT	20 A	1	0.0	0.0			1	20 A	--	SPARE	80	
81	--	MULTIPURPOSE 110	Other	20 A	1			0.0	0.0	1	20 A	--	SPARE	82	
83	--	STORAGE 112	Other...	20 A	1			0.4	0.0	1	20 A	--	SPARE	84	
TOTAL LOAD:					39 kVA					35 kVA					
TOTAL AMPS:					324 A					290 A					
PANEL TOTALS															
LOAD CLASSIFICATION		CONNECTED		DEMAND		ESTIMATED									
LTG		7062 VA		125.00%		8828 VA									
MTR		92407 VA		111.01%		102584 VA									
Other		0 VA		0.00%		0 VA									
RCPT		9900 VA		100.00%		9900 VA									

CITY OF COTTAGE GROVE - GLACIAL VALLEY PARK BUILDING

Vinco Inc
PO BOX 907
Forest Lake, MN 55025
Project Manager: Matt Rivera

Date : 8/11/23

PCO #: 13
PR/SI # 6

COST SUMMARY

Description	Cost	Notes/Attachments
Labor Total	\$ 7,645.00	(Auto Fill from Sub-Total Below)
Materials and Equipment Total	\$ 1,683.69	(Auto Fill from Sub-Total Below)
Tax on Materials and Equipment Only	\$ 126.28	<<< Provide Sales/Use Tax Total
Self Performed Subtotal	\$ 9,328.69	
10% Overhead and Profit	\$ 932.87	(10% is the max fee allowed on CO's)
Self Performed Total	\$ 10,261.56	
Subcontractors	\$ -	Auto Fill from Sub-Total Below
5% Overhead and Profit on Subs	\$ -	(5% is the max allowed on subcontractors)
Subcontractor Total	\$ -	
TOTAL COST OF CHANGE	\$ 10,387.84	

Signature: Matthew Rivera

Contractor acknowledges no other Costs associated with this PCO.

PROVIDE DETAIL BREAKDOWN BELOW:

Labor By Task		Qty	Unit	Unit Cost	Total Cost
Install 200A Disconnect		-1.5	HR	\$ 125.00	\$ (187.50)
Install 3/0 Wire		-1	HR	\$ 125.00	\$ (125.00)
Raceway, pulling wire and terminations/installation of		63.66	HR	\$ 125.00	\$ 7,957.50
(4) condensing units					\$ -
Sub-Total					\$ 7,645.00
Materials and Equipment By Task		Qty	Unit	Unit Cost	Total Cost
3/0 Wire Duct		-100	ft		\$ (315.00)
					\$ -
Raceway, wire, misc material to power (4) CUH					\$ 1,998.69
See attached extension report.					\$ -
					\$ -
No cost for additional breakers.					\$ -
					\$ -
					\$ -
Sub-Total					\$ 1,683.69
Sub-Contractor Proposals		Description of Work			Total Cost
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total		(Attach Sub-Contractor Proposals)			\$ -

	A	B	C	D	E
1	Item #	Item Name	Quantity	Material	Labor
2	Label Set: Combined, Combined, Combined, Combined, Combined			\$1,998.69	63.66
3	31	12 THHN CU STRANDED	20.00	\$2.84	0.10
4	32	10 THHN CU STRANDED	762.32	\$165.58	4.73
5	33	8 THHN CU STRANDED	669.46	\$221.64	5.02
6	1,507	1/2 EMT CONDUIT	172.93	\$128.48	4.30
7	1,509	1 EMT CONDUIT	146.23	\$283.47	7.23
8	1,676	1/2 EMT CONN S/S	17.29	\$4.74	0.87
9	1,678	1 EMT CONN S/S	14.62	\$11.20	1.10
10	1,748	1/2 EMT COUP S/S	17.29	\$6.29	0.65
11	1,750	1 EMT COUP S/S	14.62	\$12.57	0.73
12	5,430	#10 X 1 1/2 SCREW	8.00	\$0.33	0.00
13	5,488	1/4-20 X 3/8 RH MACH SCREW	63.83	\$1.80	0.00
14	5,492	1/4-20 X 1-1/4 RH MACH SCREW	8.00	\$0.34	0.00
15	5,911	1/4" MACHINE SCRW ANCH	8.00	\$4.97	0.50
16	5,976	#8-#12 PLASTIC ANCHOR 100# 1 1/4"	8.00	\$0.21	1.29
17	7,555	1/4-20 APP BEAM CLAMP	63.83	\$106.92	12.03
18	7,579	3/8-1/2 COND HGR W/BOLT	34.59	\$15.04	3.82
19	7,581	1 COND HGR W/BOLT	29.25	\$17.22	4.04
20	8,759	1/2 LIQUIDTIGHT FLEX	8.00	\$14.26	0.20
21	8,760	3/4 LIQUIDTIGHT FLEX	12.00	\$30.02	0.45
22	8,771	1/2 LIQUIDTIGHT FLEX CONN	2.00	\$13.16	0.20
23	8,772	3/4 LIQUIDTIGHT FLEX CONN	2.00	\$19.26	0.23
24	8,819	1/2 LIQUIDTIGHT 90 FLEX CONN	2.00	\$21.50	0.25
25	8,820	3/4 LIQUIDTIGHT 90 FLEX CONN	2.00	\$31.79	0.28
26	9,514	20A WIRE TERMINATION	4.00	\$0.00	0.50
27	9,515	30A WIRE TERMINATION	18.00	\$0.00	2.71
28	9,516	40A WIRE TERMINATION	6.00	\$0.00	1.13
29	9,518	60A WIRE TERMINATION	12.00	\$0.00	2.56
30	9,587	O/B ORANGE/BLE 3M WIRE NUT	6.00	\$0.54	0.24
31	9,588	R/Y RED/YELLOW 3M WIRE NUT	10.00	\$1.32	0.45
32	20,222	30A GD 3 PH N3R NF SW	2.00	\$351.60	3.27
33	20,223	60A GD 3 PH N3R NF SW	2.00	\$531.60	4.77
34	100,016	CUH 1 & 4	146.23	\$0.00	0.00
35				\$1,998.69	63.66



KRAUS-ANDERSON®
Construction Company

501 South Eighth Street
Minneapolis, MN 55404

Request For Proposal

Project:	2210103- Cottage Grove Glacial Valley Park 9900 Ravine Parkway South Cottage Grove, MN 55016	PCO #:	13
		Date:	08/08/2023

To: Matt Harder, Kraus-Anderson Construction Company
Ben Albrecht, Kraus-Anderson Construction Company
Zac Dockter, City Of Cottage Grove
Eugene Hollister, Lake Area Roofing & Construction, Inc.
Dan Mycka, Modern Piping, Inc.
Griffin Rahm, NOVA Fire Protection, Inc.
Nick Evans, NOVA Fire Protection, Inc.
Chris Keller, Steenberg-Watrud Construction, LLC
Matthew Rivera, Vinco Inc.
Jacob Wollensak, Wold Architects & Engineers
Michael Stephens, Wold Architects & Engineers
Allison Timmins, Wold Architects & Engineers
Jake Stolquist, Ebert Construction

Please provide a cost breakdown in accordance with the Contract Documents and a Summary for the Change described herein and on the attachments (if any) listed. All responses are required within seven (7) days.

This is not an authorization to proceed with the work described herein unless and until approved by the Owner. On approval, this change will be included in a Change Order, which will provide the formal Contract Change.

DESCRIPTION OF PROPOSAL:

Please provide a cost estimate per the attached Wold Architects and Engineers PR #06 dated August 7, 2023 regarding mechanical system revision.

Attachments: Wold PR #6 dated 8/7/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____



PROPOSAL REQUEST

City of Cottage Grove	Glacial Valley Park Building
Kraus-Anderson	Attn: Dan Kjellberg/Rachel Struckman
501 South Eighth Street	
Minneapolis, MN 55404	
612.332.7281	
dan.kjellberg@krausanderson.com / rachel.struckman@krausanderson.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change. COST EXPECTATIONS: ☐ DEDUCT ☐ NO COST ☐ ADD	PR: 06
	Comm: 222064
	Const. Pkg: [Status]

Distribution:

☐ Adam Moshier, CG
☐ Zac Dockter, CG
☒ Dustin Phillips, KA
☒ Jake Wollensak, Wold
☒ Tom Clark, Wold
☒ Michael Stephens, Wold
☒ Allison Timmins, Wold
☒ Pat Jansen, Wold
☒ Angel Gonzalez, Wold
☒ Sean McNamara, Wold
☒ Derek Peterson, Wold
☐ Linda Peters, BKBM
☐ Drew Luebke, BKBM
☐ Jay Pomeroy, BMI
☐ Jeff Toutant, BMI

Item	Description
6	Revised Mechanical System
6.1	See revised sheet M2.0 for refrigerant piping to FC 1,2,3,4 and deletion of the geothermal wellfield and heat pump. Provide a new Dx coil and heating coil in each fan coil unit and remove the current coil.
6.2	See revised sheet M4.0 for added condensing unit locations and piping.
6.3	See revised sheet M6.3 for deletion of geothermal details and a revised heating water schematic.
6.4	See revised sheet M6.4 for the added condensing unit schedule, deletion of the geothermal heat pump schedule, and modifications to other related schedules due to the removed heat pump.
6.5	See revised cover sheet E0.00.
6.6	See revised sheet E1.00 for plan and panel revisions.
6.7	See revised sheet E2.01 for the added roof plan.
6.8	See revised sheet E3.00 for updated motor schedule.
6.9	Refer to sheet A2.001 for deletion of the concrete pad.
6.10	Refer to sheet A4.101 for deletion of the concrete pad.
6.11	Refer to revised roof plan on sheet A2.095 for addition of roof curbs.
6.12	See attached specification section 23 09 93 for updated control sequences.

Attachments: A2.001, A2.095, A4.101, M2.0, M4.0, M6.3, M6.4, E0.00, E1.00, E2.01, E3.00

Specification Section 23 09 93

Issued By: Pat Jansen

Date: 08/07/2023

Wold Architects and Engineers
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

**PLANNERS
ARCHITECTS
ENGINEERS**

SECTION 23 09 93

BAS SEQUENCE OF OPERATIONS

PART 1: GENERAL

1.01 SUMMARY

- A. This Section includes control sequences for HVAC systems, subsystems, and equipment.

1.02 DEFINITIONS

- A. DDC: Direct digital control.

1.03 CONTROL SEQUENCES

- A. Refer to the attached control sequences and points schedule for required Building Automation Systems work.

PART 2: PRODUCTS (Not Applicable)

PART 3: EXECUTION

3.01 GENERAL REQUIREMENTS

- A. System Programming: Provide the most current version of the system software that is available prior to the date of substantial completion.
1. It is the intent that the system be as easy as possible for the building operator to navigate. Modify the system programming and graphics as to include descriptors of the actual equipment names in addition to point mapping acronyms. In addition provide the following front-end graphic interface features:
 - a. Graphic representation of each piece of equipment.
 - b. Configuration of major systems including but not limited to central plants.
 - c. Control points displayed on each page. Coordinate with the Owner's representative as to level of detail to include on each page.
 - d. Major equipment including air handling equipment graphics shall include a secondary text page with detailed system points and parameters. Coordinate with the Owner's representative as to level of detail to include on each page.
 - e. Navigation tools and page links. Provide additional navigation features at the request of the Owner.
 - f. Building floor plan graphics showing air handling unit zone boundaries.
 - g. Building floor plan graphics showing each temperature control zone with space temperatures represented.
 - h. Building floor plan graphics to show exhaust fan locations.
 - i. A graphic page to show utility use summary information.
 - j. Graphic page to show a summary of equipment time of day schedules.
 2. For all existing equipment, compare the currently installed control program to the control sequences published here in and submit a report to the engineer of discrepancies in the control intent. At the direction of the engineer, modify the existing control sequences as required.
 3. Complete the time of day program scheduling for all equipment at the direction of the Owner's representative. Modify the equipment schedules as necessary to associate equipment in control groups to minimize the number of schedules in the system. Provide a global holiday schedule for all equipment in the building.
 4. Coordinate with the Owner's representative for the initial temperature setpoints for each space.

- B. Building Automation System Alarms: Alarms generated by the building systems shall be categorized as either critical or non-critical and be handled with the attributes as listed in items 1 and 2 below. Any alarms identified in specific control sequences that are in addition to those listed below shall be handled as non-critical alarms.
1. Critical Alarms:
 - a. Only generated when the alarmed system is enabled.
 - b. Send an email notification to the Owner's personnel as designated 24 hours a day, 7 days a week.
 - c. Log all critical alarms to server log.
 - d. Generate pop up alarm box at the local display for building personnel as defined by user log-in.
 2. Non-Critical Alarms:
 - a. Only generated when the alarmed system is enabled.
 - b. Log all non-critical alarms on server log.
 - c. Generate pop-up alarm box at the local display for building personnel as defined by user log-in.
 3. Boiler Plants:
 - a. Critical:
 - 1) Supply water temp 20 degrees +/- for a time period greater than 20 minutes (adjustable)
 - 2) Differential pressure +/- 30% of set point for a time period greater than 15 minutes (adjustable)
 - b. Non-Critical:
 - 1) Each boiler general fault alarm.
 - 2) Each hot water circulating pump VFD status.
 4. Heat Pump:
 - a. Critical:
 - 1) Supply water temp 5 degrees +/- for a time period greater than 30 minutes (adjustable)
 - 2) Differential pressure +/- 30% of setpoint for a time period greater than 15 minutes (adjustable)
 - b. Non-Critical:
 - 1) Heat pump general alarm.
 - 2) Each heat pump water circulating pump status.
 5. All Space Temperature Sensors:
 - a. Critical:
 - 1) Space temperature less than 45 degrees F. for a time period greater than 15 minutes.
 6. Fan Coil Unit Constant Volume: Space temperature variation setpoint color-coded on floor plan graphic. All space temperatures are critical alarmed if less than 45 degrees F. for a time period greater than 15 minutes.
 - a. Non-Critical:
 - 1) Freeze-stat
 - 2) Duct smoke detector
 - 3) Static safety switches
 - 4) High discharge air temperature exceeds 110 degrees F. for a time period greater than 15 minutes
 - 5) Low discharge air temperature less than 38 degrees F. for a time period greater than 15 minutes
 - 6) Supply fan status

7. Unit Heaters and Cabinet Unit Heaters:

a. Critical:

- 1) Space temperature is less than 45 degrees F for a time period greater than 15 minutes

b. Non-Critical:

- 1) Fan status

8. Domestic Water Pump:

a. Non-Critical:

- 1) Pump status

3.02 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Fan Coil Units

A. General

1. All equipment indicated shall be controlled by the same software defined occupied/unoccupied schedule through the Building Automation System.
 - a. **Area Served:**
Fan Coil Unit FC-1, FC-2, FC-3, FC-4
Relief Hood RH-1
Condensing Unit CU-1, CU-2, CU-3, CU-4
2. Provide all control dampers as referenced here-in and as shown on the drawings unless specifically shown to be provided by the fan coil unit manufacturer including but not limited to the outside air and return air. Installation is work of another Division 23 Section. Provide damper actuators for all dampers including those provided with the unit.
3. Provide the hot water ~~and chilled water~~ valves and actuators. Refer to equipment schedules for 2 or 3 way valves. Installation is work of another Division 23 Section.
4. Provide and wire static pressure safety switches.
5. Provide and wire all electrical interlocks to other equipment associated with this system, as indicated or otherwise necessary for proper system operation.
6. Provide a CO2 sensor in the return duct of FC-1, FC-3, and FC-4.

B. Control Sequence

1. Occupied Mode
 - a. The system shall be indexed to occupied mode by a timeclock schedule through the BAS.
 - b. The supply fan shall run continuously.
 - c. The outside air and return air damper shall modulate to maintain a discharge air temperature setpoint. The discharge air shall be reset between an operator adjustable minimum (initially set for 55.0 Deg F) and maximum (initially set for 65.0 Deg F) temperature. The outside air damper shall not modulate below its minimum position.
 - d. The outside air damper shall be closed to minimum position when the outside air enthalpy is greater than the return air enthalpy, the outside air temperature is greater than 80.0 degrees, the outside air enthalpy is greater than 26.0 Btu/lb.
 - e. A carbon dioxide sensor located in the return air stream shall reset the minimum outside air flow setpoint between a "CO2 minimum" and a "max minimum" to maintain an operator defined maximum CO2 concentration of 1,200 ppm (adjustable). Refer to Drawing Schedules for outside air settings.
 - f. The space relief damper shall modulate as required to maintain a positive building static pressure of 0.02 in w.g. The relief damper shall be fully closed when the outside air temperature is below 40.0°F.
 - g. ~~Chilled Water Coil Valve Control~~ Condensing Unit Control
 - 1) The system shall be indexed to the mechanical cooling mode when the space temperature is above setpoint and either the outside air dampers are fully open or the outside air enthalpy is greater than the return air enthalpy. The condensing unit operation shall be locked out unless the AHU status indicates the fan is running.

- 2) The hot water control valve shall be closed.
- 3) A temperature sensor in the return air stream shall cycle each stage of the condensing unit on as required to maintain the space air temperature setpoint. FC-1 and FC-4 have two stages, FC-2 and FC-3 have one stage.
- 4) For FC-1 and FC-4 provide a minimum time delay between indexing on each subsequent cooling stage and minimum run timers for each stage. Coordinate with the condensing unit manufacturer for equipment interface requirements and initial time delay and run time settings. Confirm initial timed settings by field observation of the refrigeration system sight glass such that system oil is observed to circulate during all operating conditions.
- 5) When the number of "cooling requests" exceeds the operator-specified number, the discharge air temperature shall be decreased to prevent over heating.
- 6) Wire a solenoid valve for each circuit of cooling to open when the circuit stage is cycled on. Provide anti-cycle timer for each stage to prevent short cycling on FC-1 and FC-4.
- 7) When the outside air temperature drops below an operator setpoint initially set for 62°F, disable the mechanical cooling mode and return system to economizer operation.
- 8) ~~The system shall be indexed to the mechanical cooling mode when chilled water is available, the outside air dampers are full open, the outside air temperature is greater than the return air temperature, and the space is calling for cooling.~~
- 9) ~~The hot water control valve shall be closed.~~
- 10) ~~The chilled water coil valve shall modulate to maintain the space temperature setpoint.~~

h. Hot Water Control Valve Control

- 1) The system shall be indexed to the heating mode when hot water is available and the space temperature falls below its setpoint.
- 2) Cooling operation shall be locked out.
- 3) The heating coil valve shall be modulated open to maintain the space temperature setpoint.
- 4) The outside air damper shall close to minimum position.

i. Dehumidification Control

- 1) Provide a software switch allowing the BAS operator to enable/disable dehumidification control. The switch shall provide an option for a global command to enable/disable all air handling systems.
- 2) When the return air humidity exceeds 55% (adjustable) for a time period greater than 30 minutes (adjustable) and cooling is available, the system shall send a request to enable the boiler plant. When hot water is available, the system shall initiate de-humidification control.
- 3) Provide a serpentine-type sensor for measuring the average cooling coil discharge air temperature. The discharge air reset control shall be overridden and the cooling coil discharge air temperature shall be set to an operator-defined setpoint initially set for 52°F (adj).
- 4) The air handling unit heating coil valve shall modulate to maintain the discharge air temperature set point.
- 5) When the return air humidity drops to 50% (adjustable) for a time period greater than 30 minutes (adjustable), dehumidification control shall be terminated.

2. Unoccupied Mode

a. Cooling

- 1) The supply fan shall be off and cooling shall be locked out.
- 2) The outside air and relief damper shall be in the fully closed position.
- 3) The heating coil valve shall be closed.

b. Heating

- 1) The unoccupied heating setpoint temperature shall be operator-defined initially set for 55°F (adj) with a 3°F deadband (adj.). The intent is that the deadband will reduce rapid cycling of the fan coil unit.
- 2) The in-floor heat shall maintain the building unoccupied temperature setpoint. If the in-floor heat valve is fully open and the space is below its unoccupied setpoint temperature then the supply fan shall start with outside air and relief damper fully closed, and the hot water heating coil valve shall modulate open to maintain until the space temperature.
- 3) The system shall shutdown when the setpoint temperature is achieved.

c. Dehumidification Control

- 1) The intent of dehumidification control during unoccupied mode is to reduce the risk of microbial growth within the building and interstitial spaces.
- 2) Provide a software switch allowing the BAS operator to enable/disable dehumidification control during unoccupied mode. This software switch shall not affect occupied mode dehumidification control.
- 3) Dewpoint temperatures shall be calculated with the dry bulb temperature, relative humidity, and/or enthalpy sensors.
- 4) When the space dewpoint temperature and outdoor air dewpoint temperature both exceed 60°F (adj) for a time period greater than 30 minutes (adj), the BAS shall send a request to enable the cooling and heating plants. When the cooling and heating plants are available, the BAS shall initiate dehumidification control.
- 5) The supply fan and return fan shall start with outside air and relief air dampers fully closed and return air dampers fully open.
- 6) The cooling coil discharge air temperature shall be set to an operator-defined setpoint initially set for 52°F (adj).
- 7) The air handling unit heating coil valve shall modulate to maintain the discharge air temperature set point.
- 8) When the space dewpoint temperature drops below 60°F (adj) for a time period greater than 30 minutes (adj), unoccupied mode dehumidification control shall be terminated.

C. Safeties

1. Freezestat - Provide low temperature type (manual reset) freezestat serpentine across leaving side of hot water coil. De-energize unit fan, close outside air damper, and transmit alarm to BAS when temperature falls below the freezestat setpoint (35°F).
2. High Discharge Air Temperature - De-energize fan and transmit alarm to EMCS when the discharge air temperature exceeds 100.0 degrees.
3. Low Discharge Air Temperature - De-energize fan and transmit alarm to EMCS when the discharge air temperature drops below 38.0 degrees.

D. Alarms

1. Generate an alarm when the freezestat trips.
2. Generate an alarm when the supply fan control is on but the fan status is off.
3. Generate an alarm when the space temperature is 5°F above or below the setpoint for more than a 10-minute duration (all variables operator adjustable).
4. Generate an alarm if the return air CO2 level is above 1,500 ppm for a period of 1 hour (adjustable).
5. Condensate pan overflow alarm. Provide a high level sensor in the condensate pan.

E. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences.

(DO)	Supply Fan Control	(AI)	Space Temperature
(DI)	Supply Fan Status (current sensor)	(DI)	Freezestat Alarm
(AI)	Discharge Air Temperature	(AO)	Chilled Water Valve Modulation
(AI)	Outside Air Temperature	(AO)	Relief Damper Control
(DO)	Outside Air Damper Control	(AI)	Return Air Temperature
(AO)	Return Air Damper Control	(AI)	Return Air Humidity
(AO)	HW Valve Modulation	(AI)	Mixed Air Temperature
(AI)	CO2 Concentration	(AI)	Building Differential Static Pressure
		<u>(DO)</u>	<u>Dx Control (2 stages for FC-1, FC-4)</u>
		<u>(AI)</u>	<u>Space Humidity</u>
		<u>(AI)</u>	<u>Outside Air Humidity</u>
		<u>(DI)</u>	<u>Condensate Pan Overflow</u>

3.03 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: ~~Central Heat Pump and Boiler System~~

A. General

1. ~~The central heat pump is provided with factory mounted and wired controls and control components. The factory provided controller is capable of open protocol communications through the BACnet ANSI/ASHRAE communication standard 135-2004. Integrate the heat pump into the Building Automation System. Refer to specification section 23-64-30.~~
2. ~~Provide and wire flow switch required for the heat pump as required for operation. Coordinate requirements with the manufacturer. Installation by another Division 23 contractor.~~
3. Provide and wire differential pressure sensors on the building water and ~~geothermal water~~ distribution system across the remote piping mains. Coordinate requirements with other Division 23 sections.
4. Coordinate with the boiler manufacturer to provide the following control functions through the Building Automation System: enable/disable, temperature reset and general fault alarm.
5. Provide a push button switch at each boiler room exit at 5'-0" AFF to function as an emergency boiler and water heater shut-off. Provide with a clear plastic, hinged, cover over the buttons. Label with a red plastic laminate sign with white lettering "Emergency Boiler Shut-off". Code requires the switch to be located adjacent to each exit outside the boiler room. Verify exact locations with the engineer prior to installation.
6. ~~Provide BTU meter for the wellfield.~~
7. Provide 2-way bypass valve in the remote building system piping loop.

B. Control Sequence

1. ~~Heat Pump~~ Boiler Control

- a. The central plant system shall be enabled manually through the BAS graphics or by the BAS through a user defined time clock schedule. The central plant shall broadcast an enable signal across the network. ~~Heating or cooling mode shall be selected on the front end interface and signal shall be sent to the heat pump and the mode shall be broadcast across the network.~~
- b. The operator shall manually determine through the front-end user interface if the plant is operating in the "summer mode," "winter mode," or is turned off.
- c. In the "winter mode," the central plant shall be enabled by the BAS system when outdoor air temperature drops below a user-definable setpoint initially set for 50 degrees F. The central plant control module shall broadcast a "heating available" signal across the network to the various system control modules.
- d. In the "summer mode," the central plant shall be enabled upon a call for dehumidification from the air handling systems. The central plant control module shall broadcast a "heating available" signal across the network to the various system control modules. The primary loop differential pressure shall reset to an adjustable summer operation setpoint determined by the balancing contractor.
- e. ~~When the plant is enabled, the wellfield circulating pump P-3 or P-4 shall operate continuously. Wellfield Pumps P-3 and P-4 are 100% redundant and shall operate on a lead/lag basis. When the lead pump is indicated to run but its status is off, the lag pump shall start. The lead pump designation shall alternate on a user defined time clock schedule initially set for one week.~~

- f. ~~Pump P-3 and P-4 shall each be controlled through their variable speed drives to maintain the loop field supply water setpoint. The supply water setpoint shall be reset between a user defined maximum and minimum setpoint based upon heat pump cooling and heating demand. Pumps speed shall be overridden to maintain differential pressure setpoint across the geothermal supply and return mains at the heat pump. Coordinate pressure setpoint with the heat pump manufacturer.~~
- g. When the plant is enabled, the building water circulating pump P-1 or P-2 shall operate continuously. Pumps P-1 and P-2 are 100% redundant and shall operate on a lead/lag basis. When the lead pump is indicated to run but its status is off, the lag pump shall start. The lead pump designation shall alternate on a user defined time clock schedule initially set for one week.
- h. Pumps P-1 and P-2 shall each be controlled through their variable speed drives to maintain differential pressure setpoint in the building system. Modulate the remote system bypass valve open if differential pressure exceeds setpoint by 5 psi or more and pumps are at minimum VFD speed of 20%.
- i. ~~The heat pump boiler shall operate on its own internal controls to maintain the heating water temperature setpoint. The heating water setpoint shall be reset linearly based on a user adjustable reset schedule as follows: ~~130° F~~ 140° F at 20° F outside air temperature or less, and 90° F at 60° F outside air temperature or greater.~~
- j. ~~The heat pump shall operate on their own internal controls to maintain the chilled water temperature setpoint of 42 degrees (adjustable).~~
- k. Pump P-10 shall operate when the boiler is enabled. Coordinate with the boiler manufacturer.

2. ~~Boiler Control~~

- a. ~~Boiler B-1 and circulating pump P-10 shall be enabled when the heat pump is in fault, or is unable to maintain the heating supply water setpoint leaving the heat pump by a user adjustable offset for a user adjustable time period, or when flow is below a user adjustable setpoint at the heat pump heating water main. The boiler will operate on its own internal controls. Turn off the boiler when the above conditions are no longer valid.~~
- b. ~~Provide a supply water temperature sensor and PID loop for boiler B-1 and control to maintain the supply water temperature setpoint use the same heating water reset schedule as the heat pump above. Override the boiler valve open prior to starting the boiler and pump P-10.~~
- c. ~~At the end of each year on December 31, compare the amount of heat extracted versus delivered to the well field by the BTU meter. If the amount of heat extracted exceeds the amount delivered, then run the boiler for the heat source until the heat amount is balanced, the heat pump shall be off. When the totals equalize, then resume heat pump operation with the boiler off.~~

C. ~~Safeties~~

- 1. ~~The heat pump flow switch shall be wired directly to the heat pump control panel circuit as and operational safety; coordinate installation methods with heat pump manufacturer.~~

D. Alarms

- 1. ~~Generate an alarm when the heat pump is indicated to run but its status is off.~~
- 2. ~~Generate an alarm when any of the heat pump parameters are outside of the manufacturer's recommended limits.~~
- 3. Generate an alarm when the boiler is indicated to run but is in fault.
- 4. Generate an alarm when any of the pumps are indicated to run but its status is off.

- ~~5. Generate an alarm when the well field supply temperature is $\pm 3^{\circ}\text{F}$ off setpoint for a period greater than 30 minutes.~~
6. Generate an alarm when the building supply loop is $\pm 5^{\circ}\text{F}$ off setpoint for a period greater than 30 minutes.

E. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

(DO)Heat Pump Control	(DO)Pump P-1 Control
(DI) Heat Pump Failure Alarm	(DI) Pump P-1 Status
(AI) Heat Pump BACnet Points (all available points)	(AO)Pump P-1 VFD Modulation
(AI) Well Field Supply Temperature	(DO)Pump P-2 Control
(AI) Well Field Return Temperature	(DI) Pump P-2 Status
(AI) Building Supply Temperature (Two) <u>(One)</u>	(AO)Pump P-2 VFD Modulation
(AI) Bulding Return Temperature	(DO)Pump P-3 Control
(DO)B-1 Control	(DI) Pump P-3 Status
(DI) B-1 Failure Alarm	(AO)Pump P-3 VFD Modulation
(AO)B-1 Temperature Setpoint	(DO)Pump P-4 Control
(AI) Boiler B-1 Supply Temperature	(DI) Pump P-4 Status
(AI) Boiler B-1 Return Temperature	(AO)Pump P-4 VFD Modulation
(AO)Boiler B-1 2-Way Valve Control	(DO)Pump P-10 Control
(AO)Heating Supply Setpoint	(DI) Pump P-10 Status
(AO)Cooling Supply Setpoint	(AO)Pump P-10 VFD Modulation
(AI) Building Loop Differential Pressure	
(AI) Wellfield Loop Differential Pressure	
(AI) Pump P-1 VFD Speed %	
(DI) Pump P-1 VFD Fault	
(AI) Pump P-2 VFD Speed %	
(DI) Pump P-2 VFD Fault	
(AI) Pump P-3 VFD Speed %	
(DI) Pump P-3 VFD Fault	
(AI) Pump P-4 VFD Speed %	
(DI) Pump P-4 VFD Fault	
(AI) Wellfield BTU Meter	
(AO) Building Loop Bypass Valve Control	

3.04 CONTROL SEQUENCE AND POINTS SCHEDULE
FOR: In Floor Heating System (Radiant Heating Hydronic)

A. General

1. The in-floor system is a field fabricated 35% glycol loop heated by the boiler plant with in-floor tubing as indicated on drawings. Provide four separate zones:
 - a. Multi-Purpose Room: Pump P-5
 - b. Breakroom: Pump P-6
 - c. Lobby: Pump P-7
 - d. Classroom: Pump P-8
2. Provide a three way control valve with electric actuator for each pump. Installation by another Division 23 section. The control valve shall be selected to be normally closed.
3. Connect to an in-slab temperature sensor provided with the system.

B. Control Sequence

1. Occupied Mode
 - a. The system shall be enabled by the operator via a “button” on the front end software graphics or when space temperature drops below a user defined setpoint and hot water is available.
 - b. Heating Mode: The zone pump shall operate continuously. The hot water valve shall modulate open to maintain the in floor temperature setpoint (maximum of 126° F). The in floor setpoint shall be reset by the space temperature sensor to maintain a space temperature of 70° (adjustable). It is the intent of the sequence to maintain the in floor temperature within a small range and to not fluctuate rapidly as to cause overheating. The fan coil units in the space are intended to react to space temperature swings within the space.
 - c. The control valve shall be fully closed to bypass the in-floor loop when the heat pump is in cooling mode.
2. Unoccupied Mode
 - a. The system shall be disabled by the operator through the front end software graphics.
 - b. The pump shall be off.
 - c. The heating valve shall be fully closed to bypass the in-floor heat loop.

C. Alarms

1. Generate an alarm when the space temperature is $\pm 5^{\circ}\text{F}$ off setpoint for a period greater than 30 minutes.
2. Generate an alarm when the pump control is on but its status is off.

D. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences.

(DO)	Pump Control	(AI)	Space Temperature
(DI)	Pump Status (Current Sensor)		
(AO)	3-Way Valve Modulation		
(AI)	Supply Temperature		
(AI)	Return Temperature		
(AI)	In-Slab Temperature		

3.05 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Exhaust Fans – Scheduled On/Off

A. General

1. Exhaust fans as indicated on the drawings and unless indicated to be controlled by another method, shall be controlled on/off by a time of day schedule through the BAS system.
2. Each fan shall be capable of being individually controlled. The final time of day schedules and how systems may be grouped together shall be reviewed and approved by the Owner prior to occupancy.
3. 480/3 volt exhaust fans are furnished with magnetic contactors or motor starter/switches by Division 26. Division 23 to provide all required control relays for all exhaust fans. Coordinate an accessible relay location for installation by Division 26.
4. Provide motorized dampers and 2-position electric actuators where noted on the drawings. Coordinate connection requirements to each fan with the fan manufacturer. Provide the damper actuator with a compatible voltage, damper end switch, and control transformer where necessary. Damper installation by another DIV 23 section.
5. Provide and wire all electrical interlocks to other equipment associated with this system, as indicated or otherwise necessary for proper system operation.

B. Control Sequence

1. Occupied Control
 - a. Enable each exhaust fan to run continuously.
 - b. For exhaust fans provided with motorized dampers, the damper shall prove fully open prior to enabling the exhaust fan.
2. Unoccupied Control
 - a. Disable each exhaust fan off.
 - b. For exhaust fans with motorized dampers, fully close the damper when the fan is disabled.

C. Alarms

1. Generate an alarm if the fan is enabled and its status is off.

D. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

(DO) Exhaust Fan Control
(DI) Exhaust Fan Status
(DO) Motorized Damper Control
(DI) Motorized Damper End Switch

3.06 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Exhaust Fans – Local Timed Push Button

A. General

1. Exhaust fans as indicated on the drawings shall be controlled by a pushbutton or pushbuttons located in the area served by the exhaust fan.
2. 480/3 volt exhaust fans are furnished with magnetic contactors or motor starter/switches by Division 26. Division 23 to provide all required control relays for all exhaust fans. Coordinate an accessible relay location for installation by Division 26.
3. Provide motorized dampers and 2-position electric actuators where noted on the drawings. Coordinate connection requirements to each fan with the fan manufacturer. Provide the damper actuator with a compatible voltage, damper end switch, and control transformer where necessary. Damper installation by another DIV 23 section.
4. Provide and wire all electrical interlocks to other equipment associated with this system, as indicated or otherwise necessary for proper system operation.
5. Provide a momentary push button with stainless steel cover plate and LED pilot light indicator. The indicator light shall illuminate at all times when the exhaust fan is in operation.
6. Provide a plastic laminate sign at each switch location indicating the piece of equipment to be controlled.

B. Control Sequence

1. Control Sequence
 - a. Upon activation of the push button, the exhaust fan shall run for a time period as determined by the BAS system. The time shall initially be set for 60 minutes.
 - b. For exhaust fans provided with motorized dampers, the damper shall prove fully open prior to enabling the exhaust fan. The damper shall close when the fan is off.
 - c. The exhaust fan shall be turned off when the push button is activated a second time.

C. Alarms

1. Generate an alarm if the fan is indicated to run and its status is off.

D. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

- (DO) Exhaust Fan Control
- (DI) Exhaust Fan Status
- (DO) Motorized Damper Control
- (DI) Motorized Damper End Switch
- (DI) Momentary Push Button

3.07 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Exhaust Systems – Park Storage Garage

A. General

1. Air Handling Systems: All equipment indicated shall be controlled by the same software defined occupied/un-occupied schedule through the Building Automation System.
 - a. **AREA SERVED:** Park Storage Garage
 - Motorized Supply and Exhaust Dampers
 - Exhaust Fan EF-2
2. Provide all electrical interlocks to other equipment as required for operation.
3. Provide a motorized damper and end switch for each damper. Damper installation by another Division 23 section.
4. Provide and wire air quality sensor and panels as located on the plans. Provide sensor for full coverage for carbon monoxide and nitrous oxide.
5. Provide a momentary contact pushbutton switch with metal cover plate and LED pilot light for local override to occupied mode. Allow to run for a software determined length of time. Coordinate location with Owner.

B. Control Sequence

1. Occupied (Air Quality Purge or Pushbutton)
 - a. When the air quality sensor is outside of its acceptable limits or by pushbutton, then the exhaust fan EF-2 shall start and the motorized supply and exhaust dampers shall open. Dampers shall prove open prior to starting the fan.
2. Unoccupied Mode
 - a. Exhaust system operation shall be off and dampers fully closed.

C. Alarms

1. Generate an alarm when one of the following devices trips:
2. Generate an alarm if any of the exhaust fans are indicated to run but their status is off.
3. Generate an alarm if any of the air quality sensors are sensing conditions outside of their acceptable parameters for a time period greater than 30 minutes.

D. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences.

(DI) Air Quality Sensor Input
(DO) Exhaust Fan Control
(DO) Exhaust Fan Damper Control
(DI) Exhaust Fan Damper End Switch
(DI) Exhaust Fan Status
(DI) Pushbutton Override
(DO) Damper Control (Each)
(DI) Damper End Switch (Each)

3.08 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Cabinet Unit Heaters

A. General

1. Provide a space temperature sensor and control sequence for each cabinet unit heater.
2. Provide 2-way modulating heating control valves and actuators. Installation is work of another Division 23 Section.
3. Provide and wire a surface mounted aquastat. Coordinate installation with the Division 26 contractor.
4. The unit heaters shall be indexed between its occupied and unoccupied modes by a timeclock schedule through the BAS system.

B. Control Sequence

1. Occupied Mode

- a. The heating coil valve shall modulate open to maintain a space temperature setpoint initially set for 68.0 Deg F (adjustable). The control valve shall be fully closed when the heat pump is in cooling mode.
- b. An aquastat mounted on the return hot water line shall de-energize fan motor when fluid temperature falls below setpoint of aquastat (adjustable). The aquastat and the space temperature call for heat shall be wired in series such that the unit heater fan will run only if there is a call for heat and there is hot water available in the system.
- c. To comply with the Energy Code, the space temperature setpoint for unit heaters serving vestibules shall be set for 60.0 Deg F and the control valve shall be fully closed and the operation locked out when the outside air temperature is greater than 45.0 Deg F.

2. Unoccupied Mode

- a. The heating coil valve shall modulate open to maintain a unoccupied space temperature setpoint initially set for 50.0 Deg F (adjustable). The control valve shall be fully closed when the heat pump is in cooling mode.
- b. An aquastat mounted on the return hot water line shall de-energize fan motor when fluid temperature falls below setpoint of aquastat (adjustable). The aquastat and the space temperature call for heat shall be wired in series such that the unit heater fan will run only if there is a call for heat and there is hot water available in the system.
- c. To comply with the Energy Code, the control valve shall be fully closed and the operation locked out when the outside air temperature is greater than 45.0 Deg F.

C. Alarms

1. Generate an alarm when space temperature drops 5°F below setpoint for 5-minute duration in heating mode.

D. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

- (AI) Space Temperature
- (AO) Heating Valve Modulation
- (AI) Outside Air Temperature

3.09 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Horizontal Unit Heaters

A. General

1. Provide a space temperature sensor and control sequence for each horizontal unit heater.
2. Provide 2-way modulating heating control valves and actuators. Installation is work of another Division 23 Section.
3. Provide and wire a surface mounted aquastat. Coordinate installation with the Division 26 contractor.
4. The unit heaters shall be indexed between its occupied and unoccupied modes by a timeclock schedule through the BAS system.

B. Control Sequence

1. Occupied Mode

- a. On a call for heat from a space temperature sensor, the heating valve shall modulate open, to maintain a temperature setpoint of 70.0 degrees. The control valve shall be fully closed when the heat pump is in cooling mode.
- b. An aquastat mounted on the return hot water line shall de-energize fan motor when fluid temperature falls below setpoint of aquastat (adjustable). The aquastat and the space temperature call for heat shall be wired in series such that the unit heater fan will run only if there is a call for heat and there is hot water available in the system.

2. Unoccupied Mode

- a. On a call for heat from a space temperature sensor, the heating valve shall modulate open to maintain a temperature setpoint of 55.0 degrees. The control valve shall be fully closed when the heat pump is in cooling mode.
- b. An aquastat mounted on the return hot water line shall de-energize fan motor when fluid temperature falls below setpoint of aquastat (adjustable). The aquastat and the space temperature call for heat shall be wired in series such that the unit heater fan will run only if there is a call for heat and there is hot water available in the system.

C. Alarms

1. Generate an alarm when the space temperature drops 5°F below setpoint for a 5-minute duration.

D. Point Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

- (AI) Space Temperature
- (AO) Heating Valve Modulation

3.10 CONTROL SEQUENCE AND POINTS SCHEDULE

FOR: Convectors

A. General

1. Provide a space temperature sensor and control sequence for each terminal heating device.
2. Provide 2-way modulating heating control valves and actuators. Installation is work of another Division 23 section.
3. The system shall be indexed between their occupied and unoccupied modes by a timeclock schedule through the BAS system.

B. Control Sequence

1. Occupied Mode
 - a. On a call for heating from the space temperature sensor, the heating valve shall modulate open to maintain a temperature setpoint of 72.0 degrees. The control valve shall be fully closed when the heat pump is in cooling mode.
2. Unoccupied Mode
 - a. On a call for heating from the space temperature sensor, the heating valve shall modulate open to maintain a temperature setpoint of 55.0 degrees. The control valve shall be fully closed when the heat pump is in cooling mode.

C. Alarms

1. Generate an alarm when the space temperature drops 5°F below setpoint for a 5-minute duration in the heating mode.

D. Point Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

- (AI) Space Temperature
- (AO) Heating Valve Modulation

3.11 SEQUENCE OF OPERATION AND POINTS SCHEDULES

FOR: Domestic Water Heating Systems

A. General

1. The following types of water heater control sequences are described in this section:

- a. **Location:**

- Water Heater WH-1

- Recirculation Pumps P-9

2. Three phase motors are furnished with magnetic contactors or motor starter/switches by Division 26. Provide all required control relays necessary for operation. Coordinate relay installation with the Division 26 contractor to be in an accessible relay location.

B. Control Sequence

1. Occupied

- a. The domestic water heaters shall operate continuously on their own internal controls.

- b. Domestic water circulating pump(s) shall be enabled.

2. Unoccupied

- a. The domestic water heaters shall operate continuously on their own internal controls.

- b. The domestic water circulating pump(s) shall be disabled.

C. Alarms

1. Generate an alarm when any pump is controlled on but the status is off.

D. Points Schedule

Provide at a minimum the following control points for each system and as required to accomplish the control sequences indicated.

(DO) Pump Control (each)

(DI) Pump Status (each)

END OF SECTION 23 09 93

MN

DOOR / OPENING SCHEDULE															
DOOR NO	TYPE	DOOR / OPENING		LABEL / RATING	OVERALL WIDTH	FRAME		GL	MOUNTING CONDITIONS			HDW GRP	REMARKS		
		QTY	WIDTH / HEIGHT			DEPTH	MATL		JAMB	SILL					
100A	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	01	1, 2
100B	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 3	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	03	1, 2
102A	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	01	1, 2
102B	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 5	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	03	1, 2
103	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	06	
104	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	06	
105	F	1	3'-0" 7'-2"	WD	45 MIN	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	10	1
106	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	--	--	06	
107A	FG	1	3'-6" 7'-10"	WD	--	7'-4"	FR 3A	8 3/8"	HM	--	B5/A4.801	C5/A4.801	C7/A4.801	12	
107B	AL	1	3'-0" 7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	02	1
108A	F	1	3'-0" 7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	11	1
108B	F	1	3'-0" 7'-10"	HM	--	3'-4"	FR 1	11 3/4"	HM	--	C3/A5.602	E3/A5.602	C7/A5.601	04	1
108C	OH	1	10'-0" 8'-0"	ST	--	10'-4"	OH	--	HM	--	C3/A5.601	E3/A5.601	F3/A5.601	09	1
109	F	1	3'-0" 7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	07	
110A	FG	1	3'-6" 7'-10"	WD	--	7'-4"	FR 3A	8 3/8"	HM	--	B5/A4.801	C5/A4.801	C7/A4.801	12	1
110B	AL	1	3'-0" 7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	02	1
111A	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	08	1
111B	F	1	3'-0" 8'-0"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	09	1
111C	F	2	3'-0" 8'-7 1/4"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--	D3/A4.705	--	--	05	3
112	F	2	3'-0" 8'-7 1/4"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--	D3/A4.705	--	--	05	3
SF8	AL	1	12'-0" 7'-0"	AL	--	12'-0"	FOLDING GLASS DOOR	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	13	4

DOOR SCHEDULE GENERAL NOTES

- ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
- FOR FRAME DEPTH, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED.
GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
MASONRY PARTITIONS:
4" WALL: 3 3/4" FRAME
6" WALL: 5 3/4" FRAME
8" AND GREATER WALL: 7 3/4" FRAME
FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME/DOOR TYPES (DETAIL SECTION 51000) FOR CORRESPONDING ACTUAL DIMENSIONS.
- FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
INTERIOR NON RATED:
CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
INTERIOR AND EXTERIOR RATED:
FIRE RATED
EXTERIOR NON-RATED:
CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
- SEE SHEET A2.801 FOR FRAME TYPES.
- SEE SHEET A2.801 FOR DOOR TYPES.
- AT DOOR SCHEDULE, LABEL DESIGNATION '45/20' INDICATES:
FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES. THE FRAME AND ADJACENT SIDE(LITE)S GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES.

DOOR SCHEDULE REMARKS

- CARD READER, SEE HARDWARE SPECIFICATIONS AND ELECTRICAL DRAWINGS.
- HANDICAP ACTUATORS (AT TWO EXTERIOR VESTIBULE DOORS).
- 9"X OPENINGS FOR SLIDING BARN DOOR ASSEMBLIES.
- TOTAL QTY THREE (3) FOLDING GLASS DOORS - SEE STORE FRONT TYPES ELEVATIONS FOR ADDITIONAL INFORMATION.

PLAN GENERAL NOTES

- ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL. SEE WALL TYPES FOR ACTUAL THICKNESS.
- ALL GYP. WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
- ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
- COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
- FIELD VERIFY ALL MILLWORK OPENINGS.
- SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
- VERIFY LOCATION, SIZE AND QUANTITY OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT PADS.
- ALL DOORS/LITE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
- ALL GYP. WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
- FIRE RATED WALLS ARE INDICATED ON CODE PLANS.
- REFER TO DETAIL A7/A4.705 FOR TYPICAL JOINT TREATMENT BETWEEN GYPSUM BOARD AND MASONRY ASSEMBLIES.
- REFER TO SHEET A4.705 FOR TYPICAL SLAB ON GRADE VAPOR BARRIER DETAILS.

FLOOR PLAN KEY NOTES:

- DOOR ACTUATORS.
- INDUSTRIAL SHELVING, NIC.
- MOP SINK - SEE MECHANICAL.
- CABINET UNIT HEATER, SEE DETAIL B3/A4.705. SEE MECH. FOR SPECIFICATIONS, COORDINATE LOCATION WITH MECH.
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
- INTERIOR WOOD BENCH, SEE SPECIFICATION 12 67 00.
- PROVIDE IN-WALL BACKING AS REQUIRED FOR WALL-MOUNTED AV EQUIPMENT.
- PROVIDE RECESSED CABINET AND FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
- FRP 8'-0" AFF AND EXTENDING 2'-0" TO EACH SIDE OF MOP SINK/HOSE BIB U.N.O.; SEE SPECIFICATION 06 83 16.
- BOLLARD, SEE DETAIL C6/A6.001
- TRENCH DRAIN, SEE MECHANICAL.
- FOLDING GLASS DOOR SYSTEM.
- MANUFACTURED FIREPLACE; SEE CIVIL.
- CORNER GUARDS, TYP.; SEE SPECIFICATIONS.
- RECESSED FIRE DEPARTMENT KEYPAD LOCK BOX.
- EXTERIOR BENCH; SEE CIVIL.
- CONCRETE SPLASH BLOCK. SEE DETAIL B6/A6.001
- THERMALLY MODIFIED WOOD SIDING; SEE SPECIFICATIONS AND ELEVATION.
- HOSE BIB, SEE MECHANICAL.
- EMERGENCY EYEWASH, SEE MECHANICAL.
- AP #1: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.

ROOM FINISH SCHEDULE												
ROOM NO	ROOM NAME	FLOOR	BASE	N WALL - TYP		E WALL		S WALL		W WALL		REMARKS
				MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	
100	S. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	STONE VENEER	7
101	LOBBY / WARMING	P TILE-1	VB-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	1, 2, 3, 7
102	N. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	STONE VENEER	2
103	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8
104	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8
105	MECHANICAL / JAN SUPPLY	S CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	
106	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	2, 7, 8
107	CLASSROOM / PROGRAMS	P TILE-1	VB-1	GYP BD	PT-6A	MASONRY	STONE VENEER	--	--	MASONRY	STONE VENEER	1, 3, 4, 5
107A	KITCHENETTE	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	4
108	PARKS STORAGE	S CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	6
109	ELECTRICAL	S CONC.	--	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	
110	MULTIPURPOSE	P TILE-1	VB-1	--	--	MASONRY	STONE VENEER	GYP BD	PT-6A	MASONRY	STONE VENEER	1, 3, 5
111	KITCHENETTE / SERVING	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	B. BLOCK	4
112	STORAGE	CPT-1	VB-1	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	PT-6A	GYP BD	PT-6A	

ROOM FINISH SCHEDULE GENERAL NOTES

- SEE DETAILS OF CONSTRUCTION FOR ABBREVIATIONS
- IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N WALL-TYP" COLUMN WILL BE USED.
- DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
- ON WALLS WHICH ARE COVERED WITH MILLWORK AND TACK SURFACES, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND EXCEPT FOR LOCATIONS WHICH MAY BE EXPOSED (I.E. SPACE BETWEEN MILLWORK AND TACK SURFACE). CONCRETE BLOCK BEHIND MILLWORK AND MARKERS/BOARDS TO BE TOOLED.
- REFER TO MATERIAL FINISH COLOR SCHEDULE FOR SPECIFIC FINISH TYPES AND COLORS.
- FOR CEILING MATERIAL, WHEN MORE THAN ONE CEILING MATERIAL OCCURS THE CEILING FINISH IS INDICATED THUS: "7".

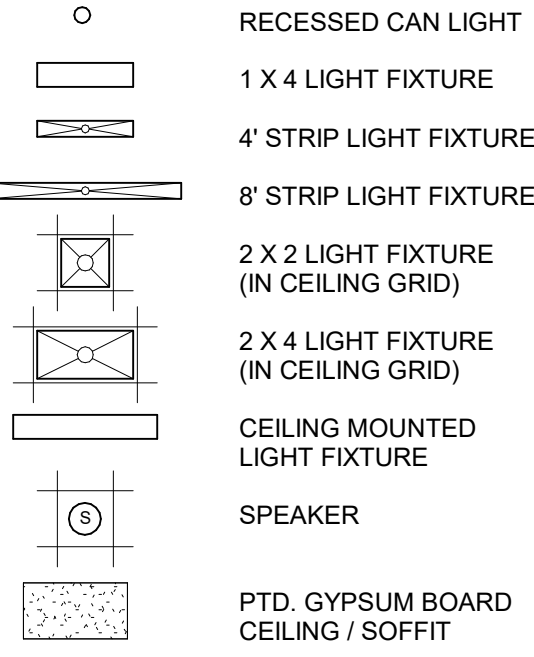
ROOM FINISH SCHEDULE REMARKS

- SEE INTERIOR ELEVATIONS FOR LOCATIONS OF BURNISHED BLOCK, PAINTED BLOCK, STONE, PAINT, AND VINYL BASE.
- PROVIDE REMOVABLE RESILIENT ATHLETIC FLOORING (RAF-1) INSTALLED OVER PERMANENT P-TILE FLOORING.
- PAINT CEILING AND ALL EXPOSED STRUCTURE (NOT INCLUDING GULI-LAM WOOD STRUCTURE), PIPING, CONDUIT, MECHANICAL DUCTS AND VENTS.
- PROVIDE VINYL BASE AT CASEWORK.
- SEE INTERIOR ELEVATIONS SHEET A4.706 FOR GWB REVEAL LOCATIONS.
- SLOPE CONC. FLOOR TOWARDS TRENCH DRAIN. SEE PLANS FOR FLOOR SLOPING INFORMATION.
- BASE CONDITION VARIES FROM WALL TO WALL - REFER TO INTERIOR ELEVATIONS.
- PROVIDE EPOXY PT THROUGHOUT ROOM IN ALL LOCATIONS SCHEDULED FOR PT.

RCP KEY NOTES:

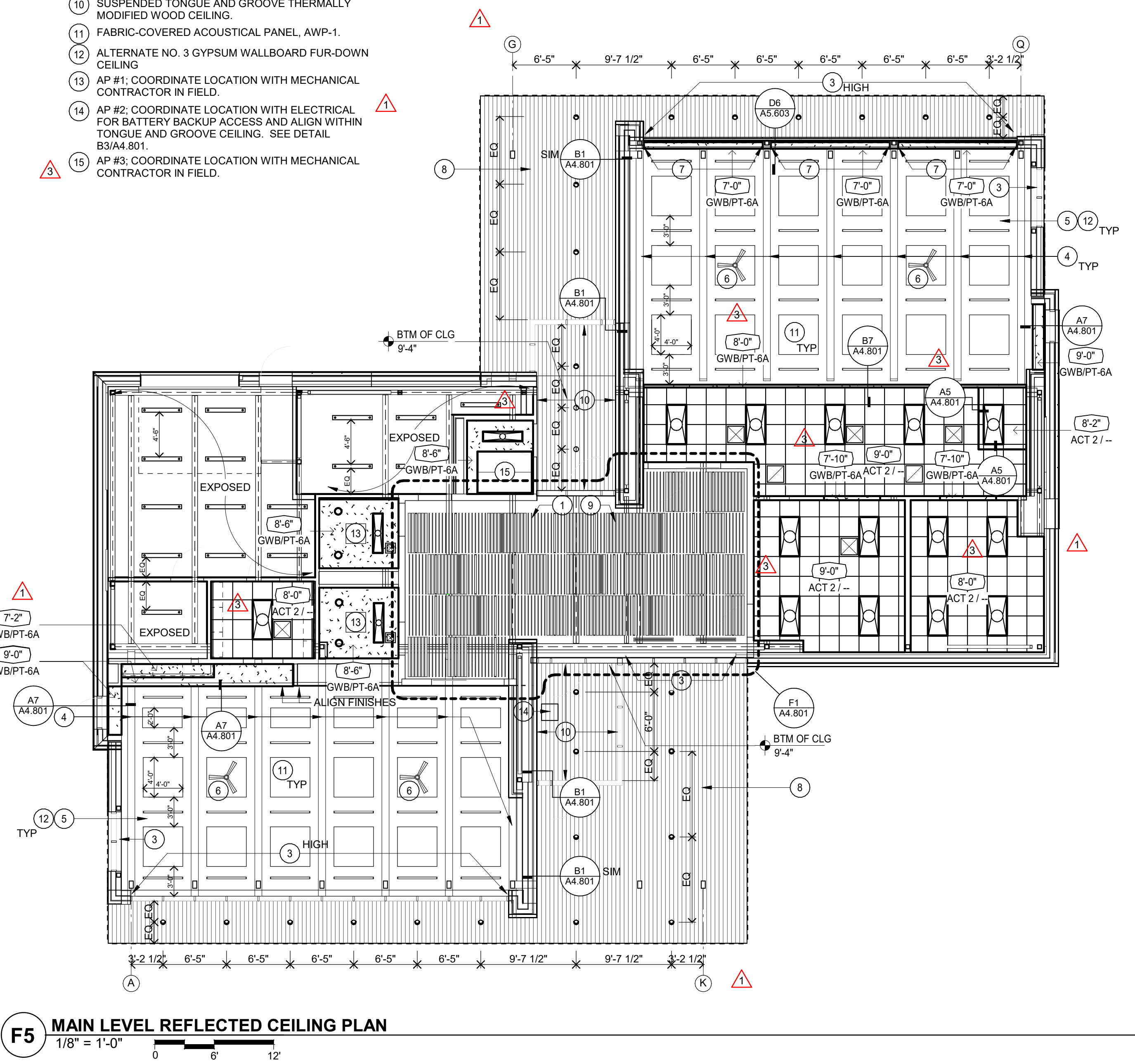
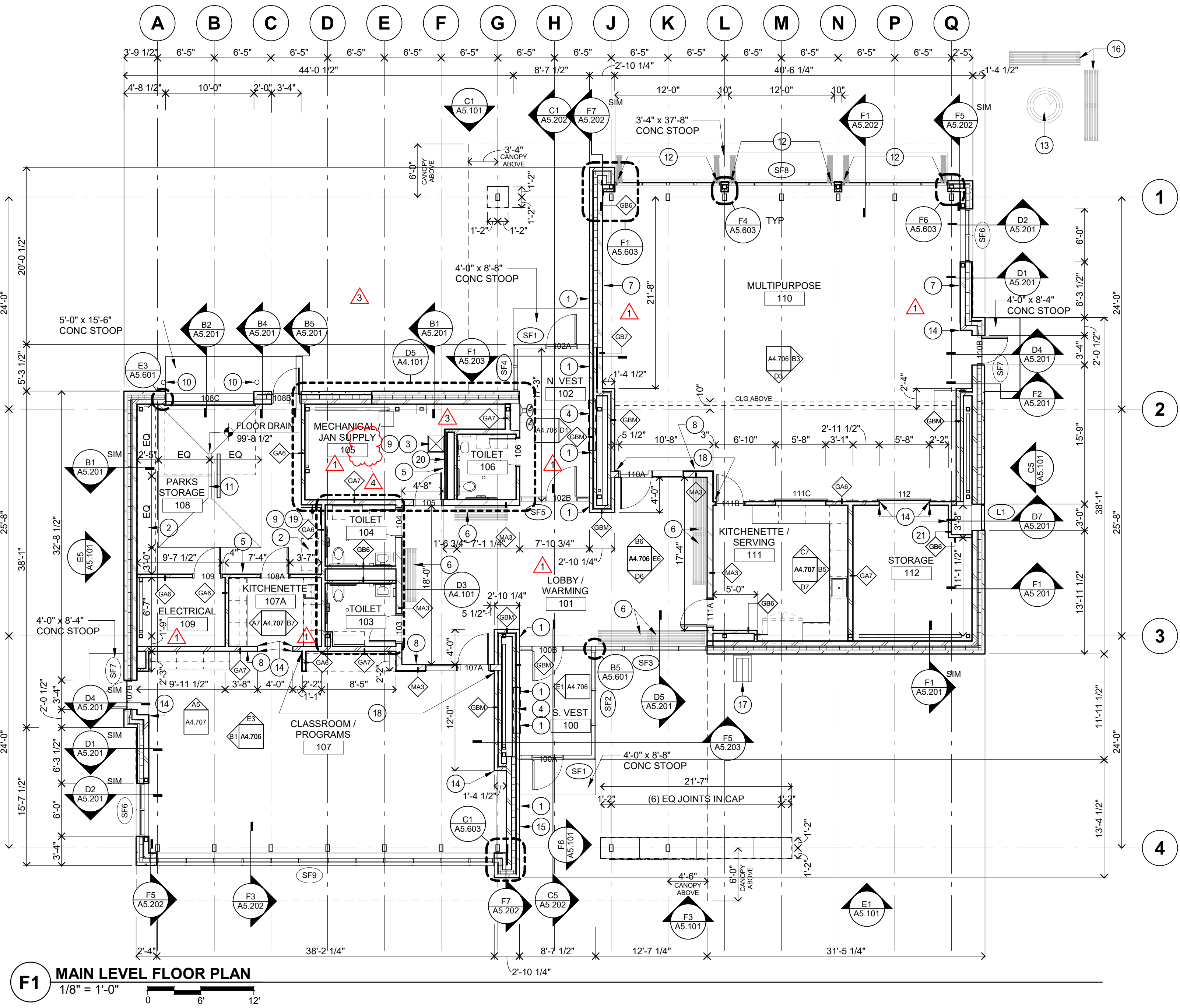
- PAINT ALL EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL AND WALLS ABOVE 9'-4" PT-8. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.
- INTERIOR MANUAL ROLLER SHADES.
- STAINED AND SEALED STRUCTURAL GLUE-LAMINATED BEAMS.
- PAINT EXPOSED METAL ROOF DECK, MECHANICAL AND ELECTRICAL PT-8. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- SUSPENDED CEILING FAN - SEE MECH.
- EXTERIOR MOTORIZED RETRACTABLE SCREENS (LOW).
- THERMALLY MODIFIED WOOD SLOPING EXTERIOR RAINSCREEN SOFFIT
- SUSPENDED WOOD PLANK AND GRILLE CEILING, 1" X 4" NOMINAL WOOD DIMENSIONS. REFER TO ENLARGED PLAN FOR LAYOUT INFORMATION.
- SUSPENDED TONGUE AND GROOVE THERMALLY MODIFIED WOOD CEILING.
- FABRIC-COVERED ACOUSTICAL PANEL, AWP-1.
- ALTERNATE NO. 3 GYPSUM WALLBOARD FUR-DOWN CEILING
- AP #1: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.
- AP #2: COORDINATE LOCATION WITH ELECTRICAL FOR BATTERY BACKUP ACCESS AND ALIGN WITH TONGUE AND GROOVE CEILING. SEE DETAIL B5/A4.801
- AP #3: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.

RCP LEGEND



RCP GENERAL NOTES

- FOR WALLS THAT PENETRATE CEILINGS SEE WALL TYPES SHOWN ON THE FLOOR PLAN.
- SPRINKLER HEADS ARE NOT SHOWN. LOCATE ALL SPRINKLER HEADS IN THE CENTER OF CEILING TILES.
- FOR DIFFUSER AND RETURN GRILL SIZES, SEE MECHANICAL PLANS.
- FOR LIGHT FIXTURE TYPES, SEE ELECTRICAL LIGHTING PLANS.
- CEILING HEIGHTS INDICATED ON PLAN (E.G. 9'-0") ARE FROM FINISHED FLOOR OF LEVEL OF PLAN SHOWN OR INDICATED AS 10'-0".
- ACOUSTICAL TILE CEILING GRID IS TO BE CENTERED IN RECTANGULAR ROOM OR CENTERED BETWEEN LONGEST WALLS OF IRREGULARLY SHAPED ROOMS UNLESS OTHERWISE NOTED.
- VERIFY GWB CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

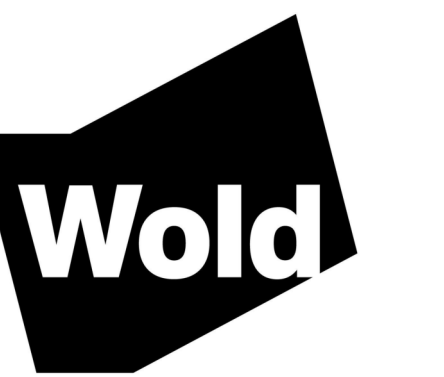


GLACIAL VALLEY PARK BUILDING

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12800 RAVINE PARKWAY S
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332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

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John McNamara
License: 24281 Date: 11/08/2022

Description	Revisions	
	Date	Num
Addendum #1	11/28/2022	1
PR#02	04/10/2023	2
PR#04	07/12/2023	3
PR#05	08/07/2023	4

Comm: 222064
Date: 11/08/2022
Drawn: MJJS/AMTC
Check: JJW/JM North

MAIN LEVEL FLOOR PLAN AND REFLECTED CEILING PLAN

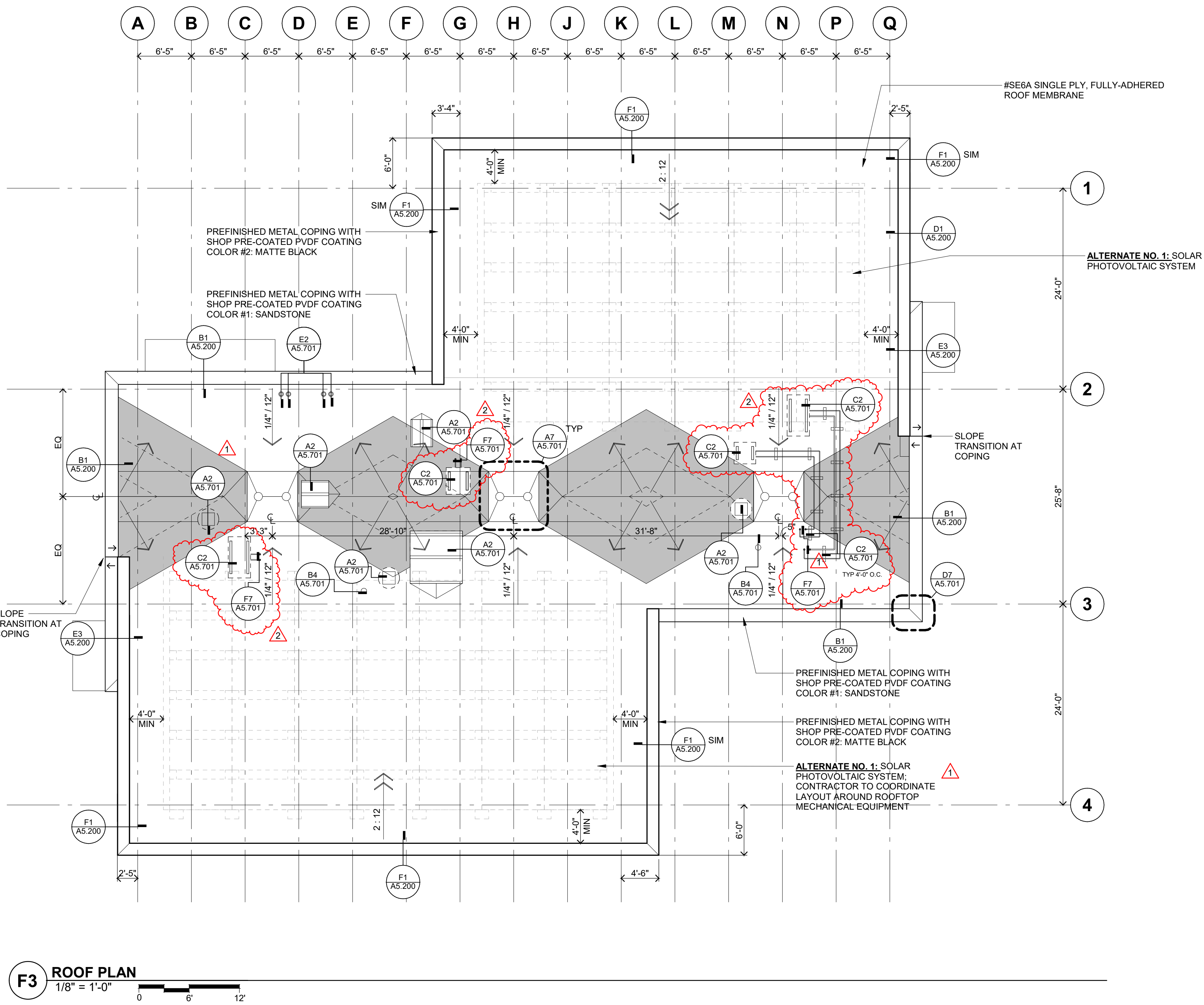
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- ROOF PLAN GENERAL NOTES**
1. TAPERED ROOF INSULATION AND CRICKETS SHALL SLOPE AT 1/4" PER 1'-0". THE MINIMUM R-VALUE OF THE ROOF INSULATION INSTALLED ENTIRELY ABOVE ROOF DECK IS R-30 G.
 2. SHOP DRAWING DESIGN AND INSTALLATION OF TAPERED INSULATION MUST ACCOUNT FOR CAMBER IN STRUCTURE TO INSURE THAT THE ROOF DRAINS AS DESIGNED.
 3. AT MECH. OPENINGS AND CURBS ON ROOF, PROVIDE CRICKETS AS REQUIRED FOR POSITIVE DRAINAGE OR CUT OPENINGS IN FREE-STANDING CURBS AS AN ALTERNATIVE.
 4. MECHANICAL ITEM LOCATIONS ARE SHOWN FOR REFERENCE ONLY. REFER TO MECH. DRAWINGS FOR EXTENT OF MECH. EQUIP. AND SIZE AND LOCATION OF ALL ROOF PENETRATIONS.
 5. ALL MECHANICAL AND ELECTRICAL ROOFTOP EQUIPMENT, PIPING, CONDUIT, ETC. TO BE PAINTED.
 6. COORDINATE ROOF AND OVERFLOW DRAIN LOCATIONS WITH STRUCTURAL COMPONENTS TO AVOID LOCATING ROOF OR OVERFLOW DRAINS OVER TOP OF BEAMS OR JOISTS.
 7. REFER TO EXTERIOR ELEVATIONS FOR LOCATION OF OVERFLOW SCUPPERS AND OUTFLOWS.
 8. CONTRACTOR TO FURNISH AND INSTALL SLIP SHEETS OF SIMILAR ROOF MATERIAL UNDER ALL POINTS OF CONTACT BETWEEN PV RACKING AND ROOFTOP.

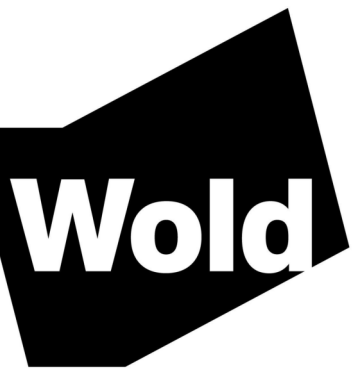
- ROOF LEGEND**
- ROOF DRAIN (R.D.)
 - OVERFLOW DRAIN (O.R.D.)
 - MECH HOOD
 - EQUIPMENT CURB AT MECHANICAL EQUIPMENT
 - ROOF EXHAUST
 - EQUIPMENT CURB SUPPORTING PIPING OR CONDUIT. INSTALL MAXIMUM SPACING OF 6'-0" O.C.
 - VENT STACK, PIPE OR CONDUIT
 - COMBUSTION STACK
 - SKYLIGHT
 - CRICKET FOR POSITIVE DRAINAGE
 - SLOPE OF TAPERED INSULATION
 - DIAMOND CRICKET (SEE TYPICAL DETAIL)
 - SLOPED STRUCTURE
 - ROOF LADDER

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332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

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ARCHITECT
under the laws of the State of **Minnesota**
John McNamara
John McNamara
License Number: **24281** Date: **11/08/2022**

Description	Revisions	Date	Num
PR004		07/12/2023	1
PR006		08/07/2023	2

Comm: **222064**
Date: **11/08/2022**
Drawn: **TC**
Check: **JWJM**
North

ROOF PLAN

Scale: As indicated

A2.095

MN

ABBREVIATIONS

&	AND	FPE	FINISHED FLOOR ELEVATION	RM	ROOM
@	ACROUSTICAL CEILING TILE	FRP	FIBERGLASS REINFORCED PANEL	RTU	ROOF TOP UNIT
ACT	ACCESS FLOORING	G BLK	GLAZED CONCRETE BLOCK	RUB	RUBBER
AF	ACCESS FLOORING	GA	GAUGE	RWL	RAIN WATER LEADER
AFF	ABOVE FINISHED FLOOR	GB	GRAB BAR	SBD	SMART BOARD
ALT #	ALTERNATE NUMBER	GRD BLK	GROUND FACE CONCRETE BLOCK	SCHED	SCHEDULE
ALUM	ALUMINUM	GST	GLAZED STRUCTURAL TILE	SD	SOAP DISPENSER
AP	ACCESS PANEL	GWB	GYPSUM BOARD	SF	SQUARE FOOT (FEET)
AWC	ACROUSTICAL WALL COVERING	HCAP	HANDICAPPED	SF_#	STOREFRONT TYPE
AWF	ACROUSTICAL WALL FABRIC	HM	HOLLOW METAL	SIM	SIMILAR
AWP	ACROUSTICAL WALL PANEL	HT	HOMOGENEOUS TILE	SNR	SANITARY NAPKIN DISPENSER
B BLK	BURNISHED CONCRETE BLOCK	ID	INSIDE DIAMETER	SNR	SANITARY NAPKIN RECEPTOR
BLDG	BUILDING	INSUL	INSULATION	SST	STAINLESS STEEL
BO	BOTTOM OF	L_#	LOUVER TYPE	STN	STONE
BRK	BRICK	LAV	LAVATORY	STRUCT	STRUCTURAL
C BLK	CONCRETE BLOCK	LFD	LINEAR FLOOR DRAIN	TBD	TACKBOARD
CG	CORNER GUARD	LNO	LINEOLUM	TEMP	TEMPORARY
CIP	CAST-IN-PLACE	LVT	LUXURY VINYL TILE	TERR	TERRAZZO
CJ	CONTROL JOINT	M/S	MIRROR WITH SHELF	TO	TOP OF
CL	CENTER LINE	MATL	MATERIAL	TPH	TOILET PAPER HOLDER
CLG	CULTURED MARBLE	MAX	MAXIMUM	TWC	TACKABLE WALLCOVERING
CM	CONCRETE MASONRY UNIT	MBD	MARKERBOARD	TYT	TYPICAL
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL	UL	UNDERWRITER'S LABORATORY
CONC	CONCRETE	MEF	MOSECA EPOXY FLOORING	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	MIR	MIRROR	UR	URINAL
CPT	CARPET	MISC	MISCELLANEOUS	USF	URETHANE SLURRY FLOORING
CRF	CHEMICAL RESISTANT FLOORING	NIC	NOT IN CONTRACT	V PLAS	VENEER PLASTER
CT	CERAMIC TILE	NO	NUMBER	VCT	VINYL COMPOSITION TILE
CTP	COUNTERTOP	NSF	NON-SLIP FLOORING	VIF	VERIFY IN FIELD
CU	CONDENSING UNIT	NTS	NOT TO SCALE	VTR	VENT THROUGH ROOF
CUN	CABINET UNIT HEATER	OH	OVERHEAD	VWC	VINYL WALLCOVERING
CW_#	CURTAIN WALL TYPE	P LAM	PLASTIC LAMINATE	VWF	VINYL WALL FABRIC
DEMO	DEMOLITION	P TILE	PORCELAIN TILE	W_#	WINDOW TYPE
DF	DRINKING FOUNTAIN	PLAS	PLASTER	WD	WATER CLOSET
DIA	DIAMETER	PT	PAINT	WSCOT	WAINSCOT
DN	DOWN	PTD	PAINTED	WWF	WELED WIRE FABRIC
E PT	EPOXY PAINT	PVC	POLYVINYL CHLORIDE		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	PWP	PLASTIC (PHENOLIC) WALL PANEL		
EJ	EXPANSION JOINT	QUARTZ	QUARTZ		
ELEC	ELECTRICAL	QT	QUARRY TILE		
ELEV	ELEVATION	R	RADIUS		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	RAF	RESILIENT ATHLETIC FLOORING		
EW	ELECTRIC WATER COOLER	RCP	REFLECTED CEILING PLAN		
EXIST	EXISTING	RD	ROOF DRAIN		
EXP	EXPOSED	RES	RESILIENT		
FD	FLOOR DRAIN	RF	RESINOUS FLOORING		
FE	FIRE EXTINGUISHER	RFT	RUBBER FLOOR TILE		
FF&E	FIXTURES	RH	RELIEF HOOD		

SYMBOLS

EARTH	EARTH	GRANULAR FILL	SAND
CONCRETE	CONCRETE/PRECAST	TERRAZZO	TOPPING
MASONRY/STONE	BLOCK	BRICK	MORTAR NET
METAL	FERROUS	ALUMINUM	CUT STONE
WOOD	CONSTRUCTION LUMBER	FINISHED	PLYWOOD
INSULATION	BATT	RIGID	SPRAY FOAM
MISCELLANEOUS	EXISTING	EXISTING	DEMOLISHED

SYMBOLS

MISCELLANEOUS

TILE	ACROUSTIC TILE
PLASTER	ON METAL LATH
EXPANSION JOINT MATERIAL	
METAL STUD	WOOD STUD
MASONRY	EXISTING
BRICK & BLOCK	CAVITY WALL
GLAZED OPENING	CONCRETE/PRECAST
DEMOLISHED	

SYMBOLS

SYMBOLS

SECTIONS	DETAIL NO	ELEVATION	REVISIONS
GRIDS	DRAWING NO	ROOM NAME	CLASSROOM
ELEVATIONS	INTERIOR	OWNER INFO, AS NEEDED	CEILING HEIGHT
OPENINGS, DEPRESSIONS OR AS NOTED	DETAIL NO	DOOR OR WDW SWING & NO	BORROWED LIGHT
DETAIL REFERENCE	DETAIL NO	EXISTING WALL/ DOOR/ OTHER	DEMOLISHED WALL/ DOOR/ OTHER
NOTES, DIMENSIONS & DETAIL KEYS APPLY FROM NOTED DETAIL	NOTES APPLY	WALL TYPES - INTERIOR	WALL TYPES - EXTERIOR
MARKERBOARDS, TACKBOARDS, MAP RAILS	LENGTH MATERIAL TYPE	EXTERIOR WINDOWS	STOREFRONT
MATCHLINE		CURTAINWALL	LOUVER

SYMBOLS

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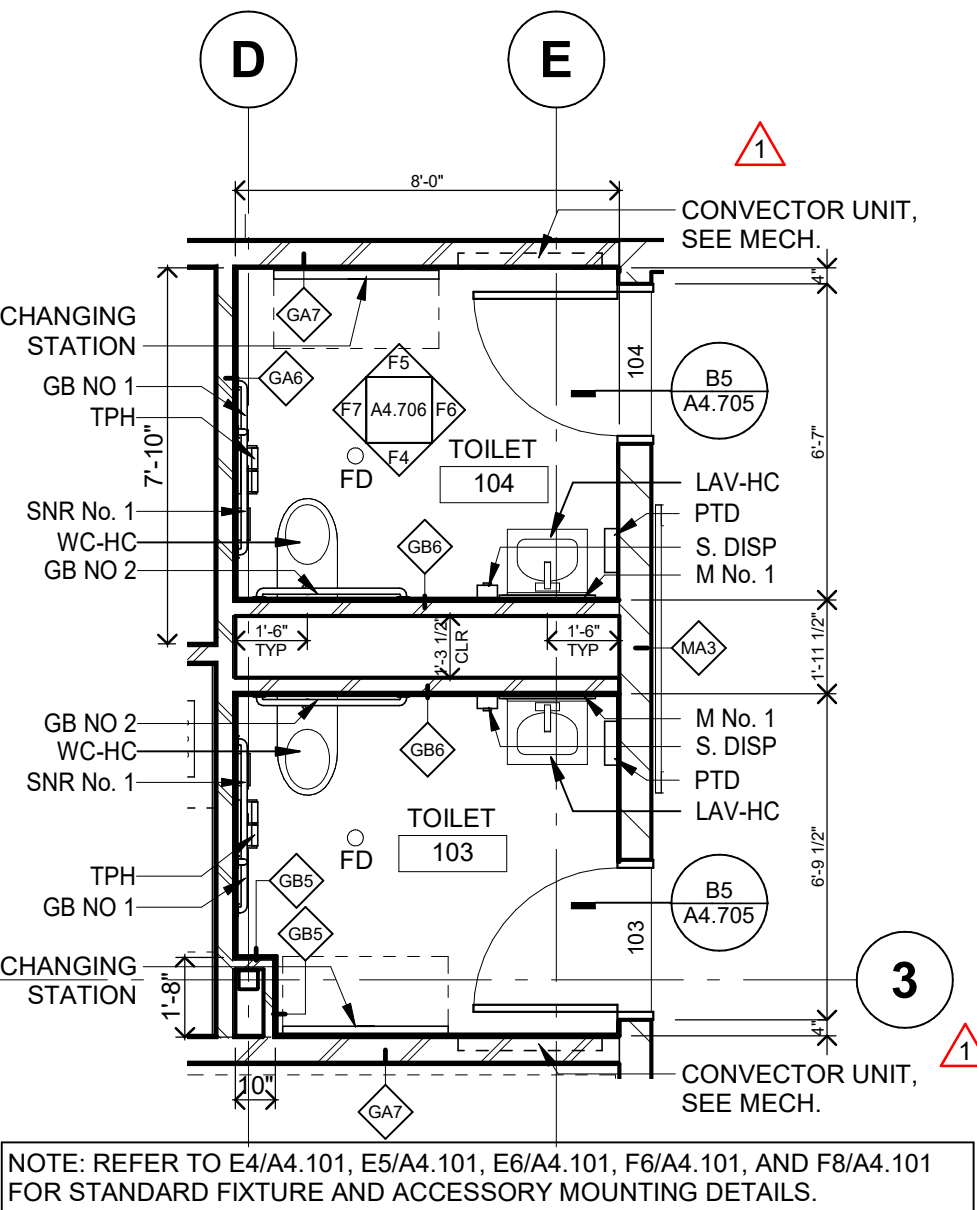


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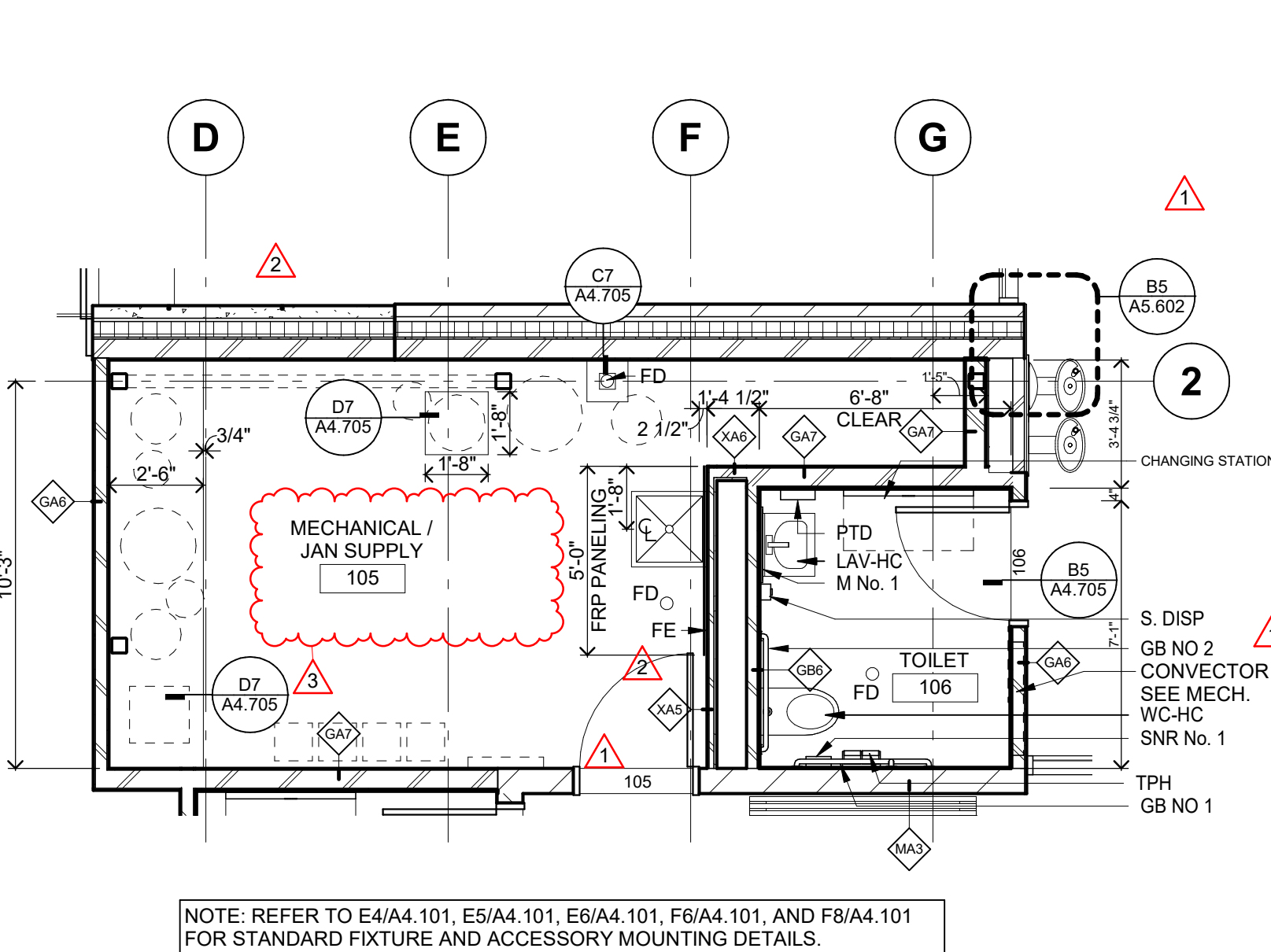
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INTERIOR MATERIAL FINISH/ COLOR SCHEDULE

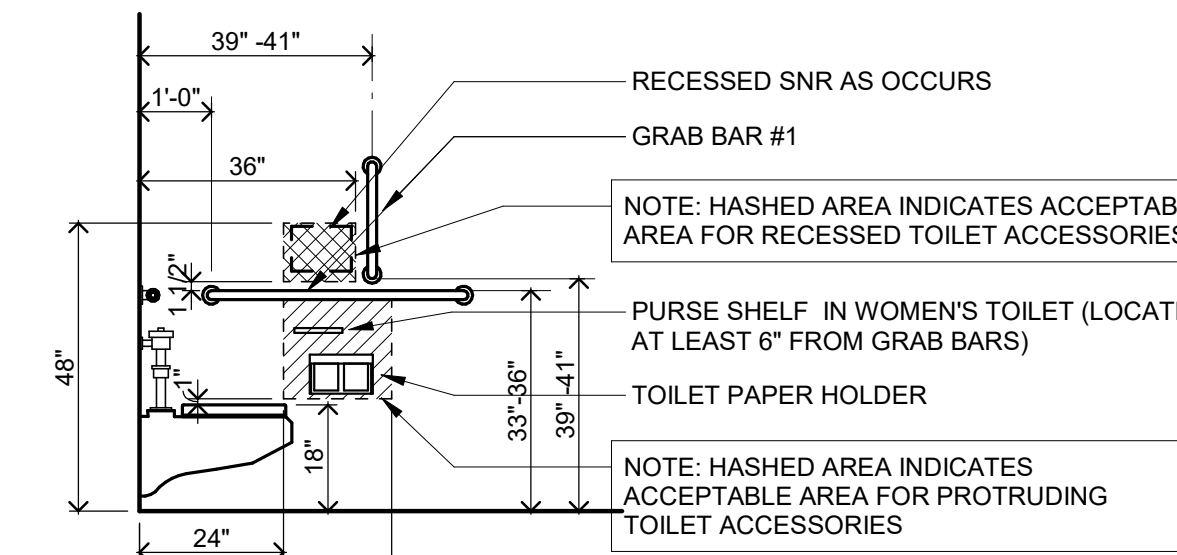
Key	Item	Manufacturer	Color/ Finish
04 20 00	Unit Masonry		
BLK-1	Burnished Block	County Materials	Premier Ultra Burnished; Color: Black Granite (63-290C)
06 65 10	Solid Surface Fabrications		
SSF-1	Solid Surface Fabrications	Corian	Color: Ash Aggregate
06 83 16	Fiber Reinforced Panels		
	Fiber Reinforced Panels	As Specified	Color: White
08 14 00	Wood Doors		
	Prefinished Stained Wood Door	VT Industries	Color: White Oak/ Alpine, AL18
08 36 00	Sectional Metal Overhead Doors		
	Factory Painted Door Panels	As specified	Color: As selected by Architect
08 40 00	Aluminum Entrances, Storefronts, and Curtain Walls		
	Anodized Doors Curtainwalls And Accessories	EFCO	Color: Clear anodized
	Sealant-CWISF	As specified	Color: To match sample supplied by Architect
09 30 00	Tile		
P TILE-1	Porcelain Floor Tile	DalTile	Color: Chord Forte Grey CH25 Light Polished
P TILE-2	Porcelain Wall Tile	DalTile	Color: Color Wheel Linear K775 Matte Biscuit
	Grout- Porcelain Floor Tile	Mapei Corporation	Color: 104 Timberwolf
	Grout- Porcelain Wall Tile	Mapei Corporation	Color: 14 Biscuit
09 65 00	Resilient Flooring		
VB-1	Vinyl Base	Johnsonite	Color: 460 Cotton W
09 65 66	Resilient Athletic Flooring		
RAF-1	Resilient Athletic Flooring	Sportfloor Stamina	Color: Black
09 88 00	Carpet		
CPT-1	Carpet	Milliken	Pattern/ Color: Motionscape Rapid/RAP94-79 Swift Two
09 83 13	Acoustic Wall Panels		
AWP-1	Fabric	Carnegie Xonell	Fabric/ Color: Meteor 6427-769
09 91 00	Painting		
PT-1	PT 1-Exterior HM doors and frames	Sherwin Williams	Color: SW 7069 Iron Ore
PT-2	PT 2-Exterior Misc. Metals, Mech. Piping, Equipment	Sherwin Williams	Color: SW 7069 Iron Ore
PT-3	PT 3-Exterior Rooftop Equipment	Sherwin Williams	Color: SW 7069 Iron Ore
PT-4A	PT 4A-Interior HM Frames	Sherwin Williams	Color: SW 7069 Iron Ore
PT-4B	PT 4B-Interior HM Doors	Sherwin Williams	Color: SW 7069 Iron Ore
PT-5	PT 5-Interior Misc. Metals	Sherwin Williams	Color: SW 7069 Iron Ore
PT-6A	PT 6A-Walls	Sherwin Williams	Color: SW 7001 Marshmallow
PT-8	PT 8-Ceilings	Sherwin Williams	Color: SW 7069 Iron Ore
12 24 00	Window Shades		
	Window Shades	SWFcontract	Color: Zenith Ebony Stripe C9506
12 32 16	Plastic Laminate Casework		
PLAM-1	Plastic Laminate	Pionite	Color: Wisconsin Oak W0581-SD
PLAM-2	Plastic Laminate - Accent	Wilsonart	Color: 7997-38 Ebony Recon Fine Velvet Finish
Grand total:	405		



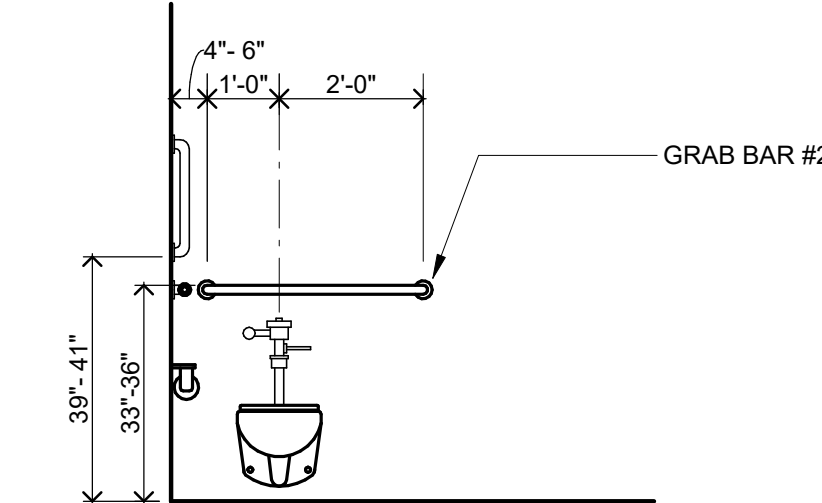
D3 ENLARGED PLANS AT TOILETS 103 AND 104
1/4\"/>



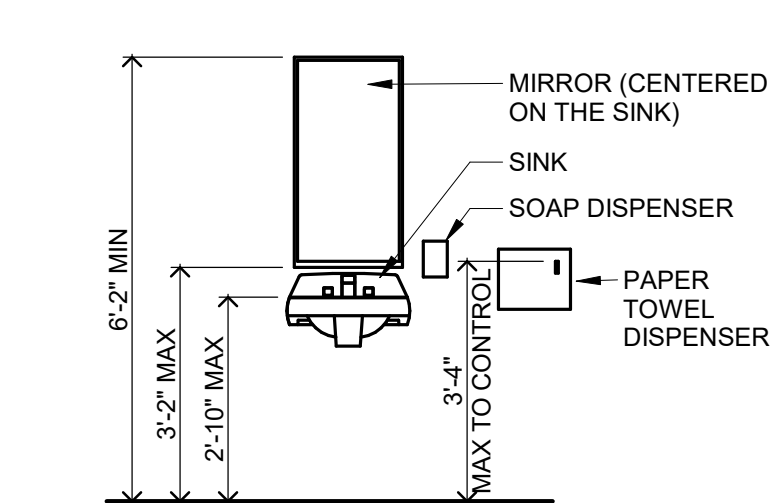
D5 ENLARGED PLAN AT TOILET 106 AND MECHANICAL 105
1/4\"/>



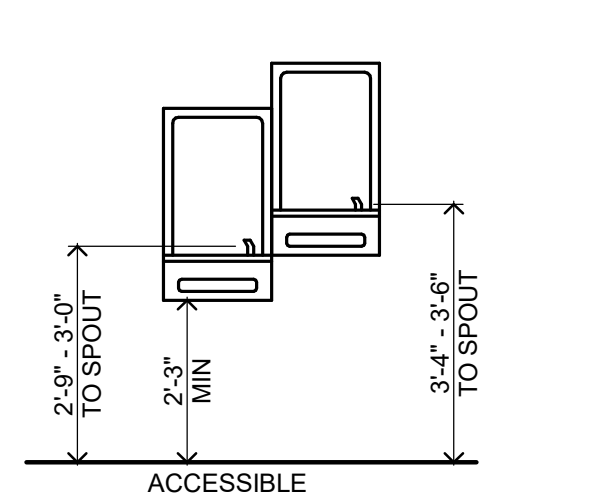
E4 ADULT HCAP WC
3/8\"/>



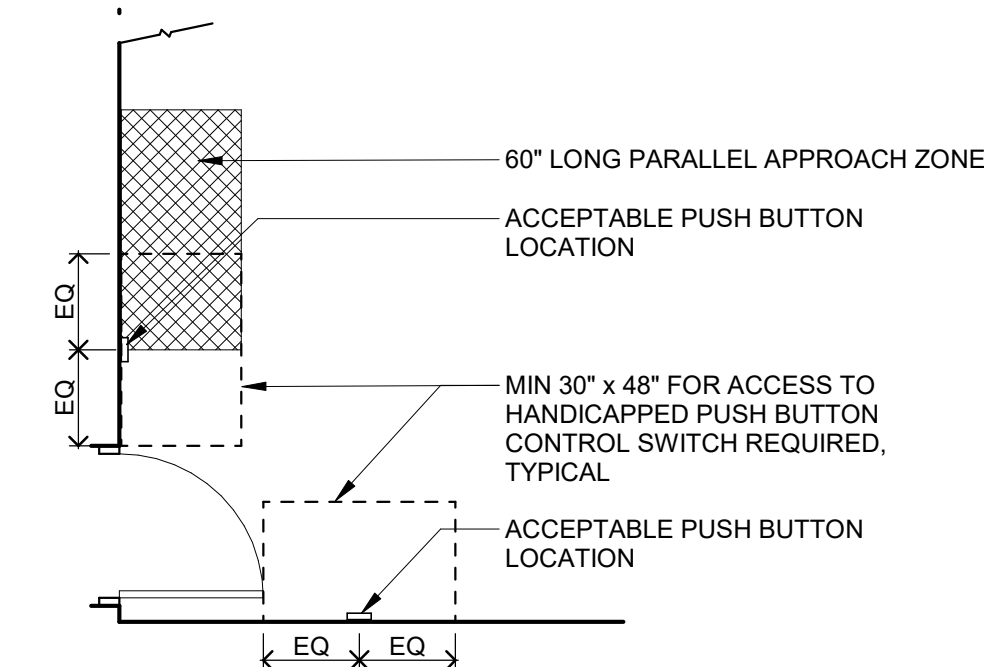
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3/8\"/>



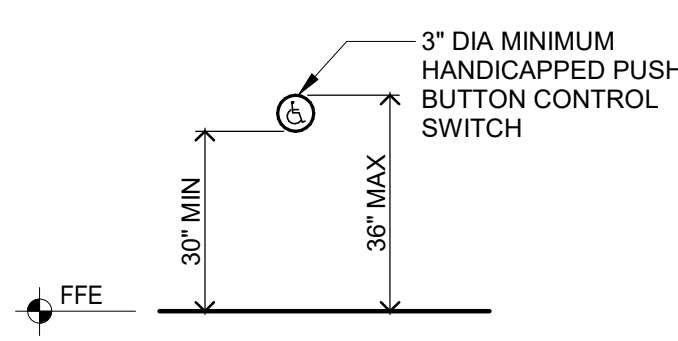
E6 LAV ELEV
3/8\"/>



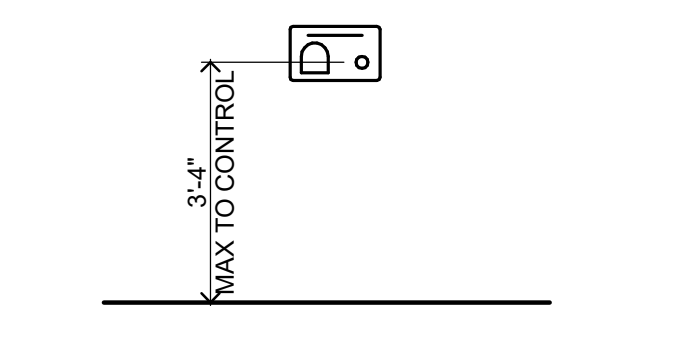
E8 EWC
3/8\"/>



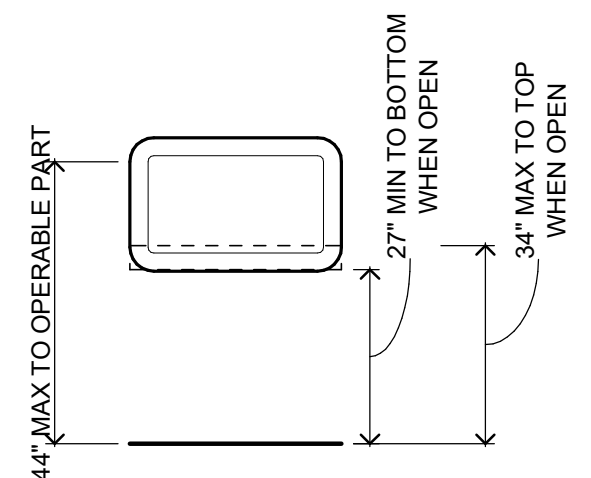
F4 PLAN AT HCAP PUSH BUTTON LOCATIONS
1/4\"/>



F5 ELEV AT HCAP PUSH BUTTON
3/8\"/>



F6 HAND DRYER
3/8\"/>



F8 BABY CHANGING STATION
3/8\"/>

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed

ARCHITECT

under the laws of the State of Minnesota

John McNamara

License number: 24281 Date: 11/08/2022

Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
PR004		07/12/2023	2
PR006		06/07/2023	3

Comm: 222064

Date: 11/08/2022

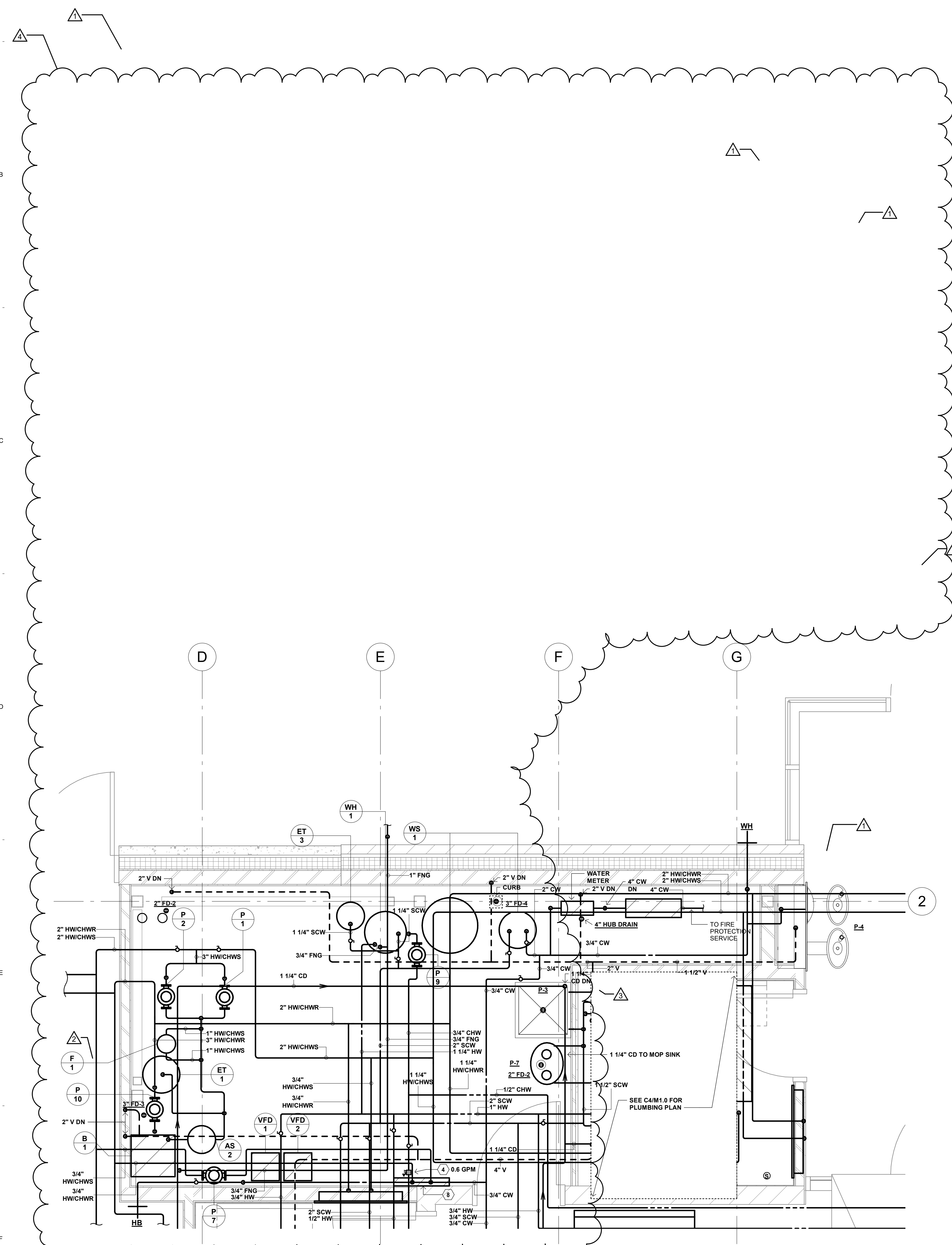
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Check: JJW/JM North

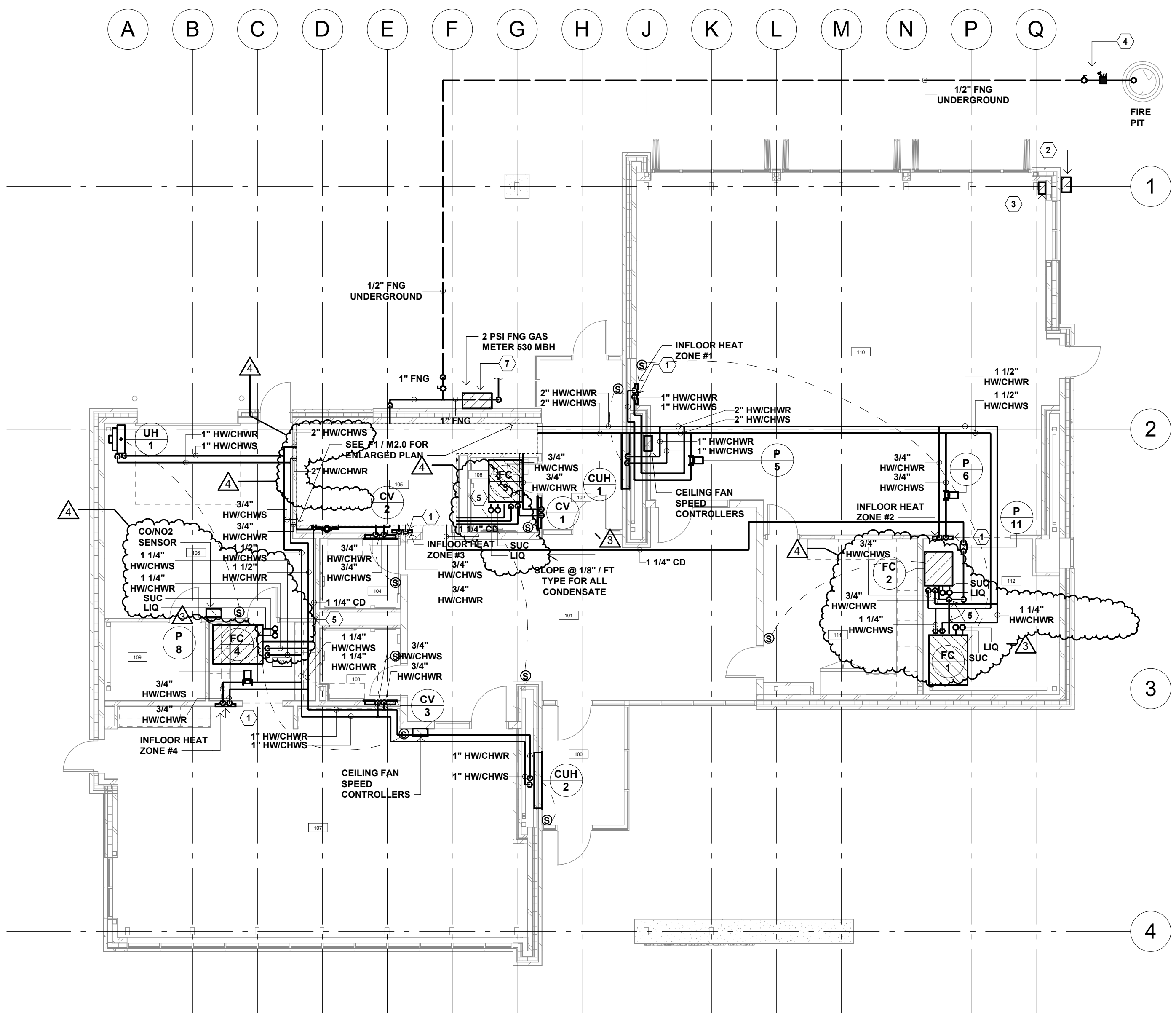
DETAILS -
GENERAL -
SYMBOLS,
ABBREVIATIONS,
ENLARGED
PLANS
Scale: As indicated

A4.101

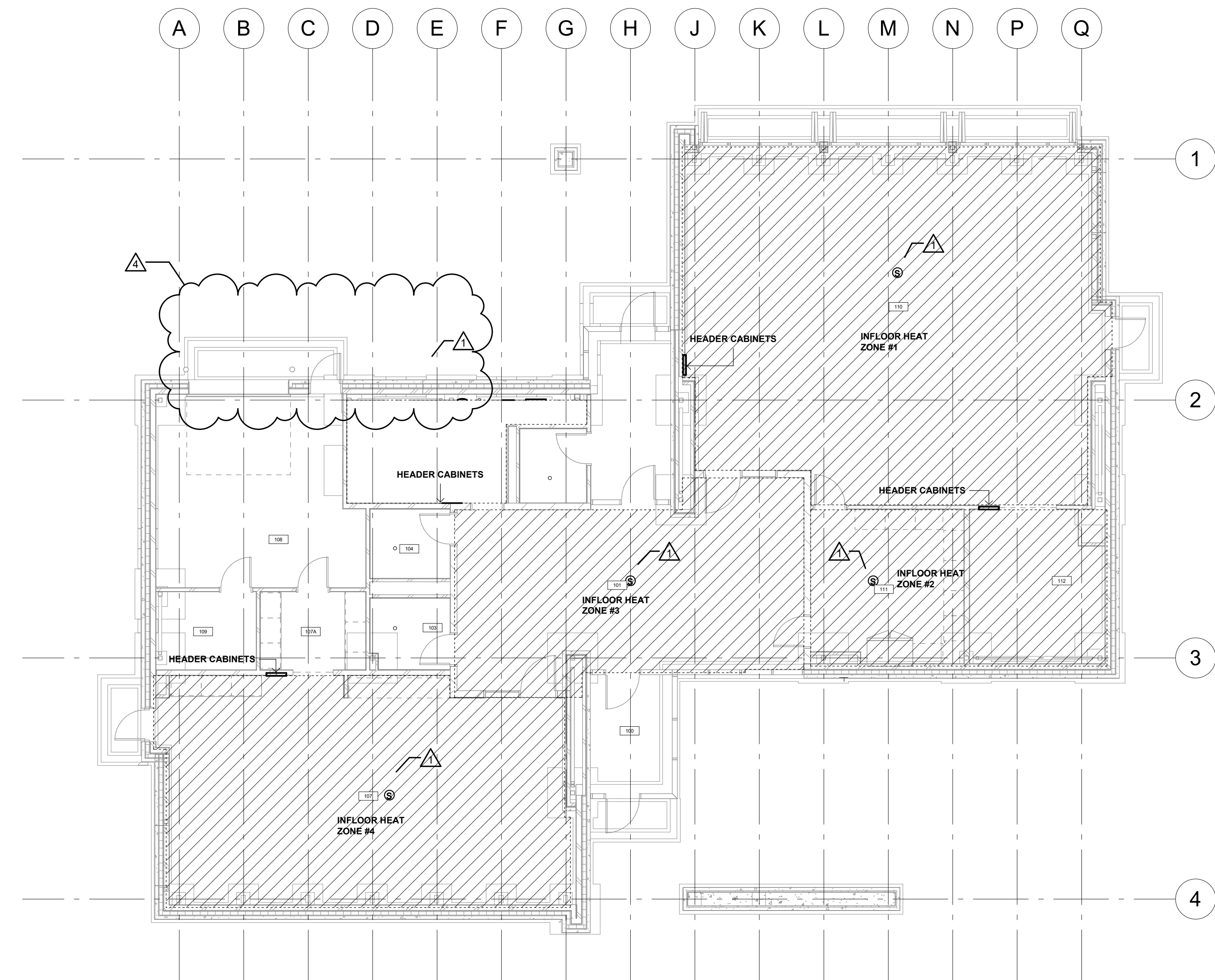
MN



F1 ENLARGED MECHANICAL ROOM
1/2" = 1'-0"



C5 HYDRONIC PIPING PLAN
1/8" = 1'-0"



F5 HYDRONIC PIPING PLAN - INFLOOR HEATING PLAN
1/8" = 1'-0"

- HYDRONIC PLAN GENERAL NOTES:**
1. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
 2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
 3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
 4. COORDINATE TEMPERATURE SENSOR LOCATIONS WITH OTHER TRADES, BUILDING ELEMENTS, MARKER BOARDS, AND ELECTRICAL SWITCHES. ADJUST THE EXACT LOCATIONS AS REQUIRED TO AVOID CONFLICTS.
 5. BRANCH PIPING TO EQUIPMENT TO BE 3/4" UNLESS OTHERWISE NOTED.
 6. ROUTE PIPES BETWEEN JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS.

- HYDRONIC PLAN KEYED NOTES:**
1. INFLOOR HEATING MANIFOLD AND CABINET.
 2. PROVIDE EMERGENCY SHUTOFF SWITCH FOR SOLENOID VALVE IN GAS LINE TO FIRE PIT.
 3. PROVIDE FIRE PIT TIMER AND GAS SOLENOID VALVE CONTROLLER. REFER TO SPECIFICATION SECTION 23 11 23 FOR CONTROLLER.
 4. PROVIDE GAS SOLENOID VALVE IN FIRE PIT. ALSO PROVIDE SHUT OFF VALVE, DIRT LEG AND REGULATOR AT FIRE PIT.
 5. PROVIDE 1 1/4" CONDENSATE DRAIN FROM FAN COIL UNIT. ROUTE TO MOP SINK AND TERMINATE ABOVE SPILL LINE.
 6. BALANCE AT INDICATED GPM.
 7. CONTRACTOR TO COORDINATE WITH THE UTILITY FOR INSTALLATION AND TO CONFORM TO ALL UTILITY REQUIREMENTS.
 8. SURFACE MOUNTED IN FLOOR HEAT MANIFOLD

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016



WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651.227.7773

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Rene Mull

License Number: Date: 11/08/22

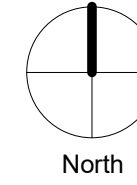
Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
SH02		05/02/2023	2
PR04		07/11/2023	3
PR05		08/07/2023	4

Comm: 222064

Date: 11/08/22

Drawn: AG

Check: JM



HYDRONIC PLAN

Scale: As indicated

M2.0

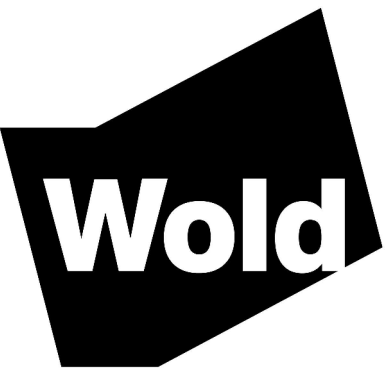
MN

GLACIAL VALLEY
PARK BUILDING

9900 RAVINE PKWY S COTTAGE
GROVE, MN 55016

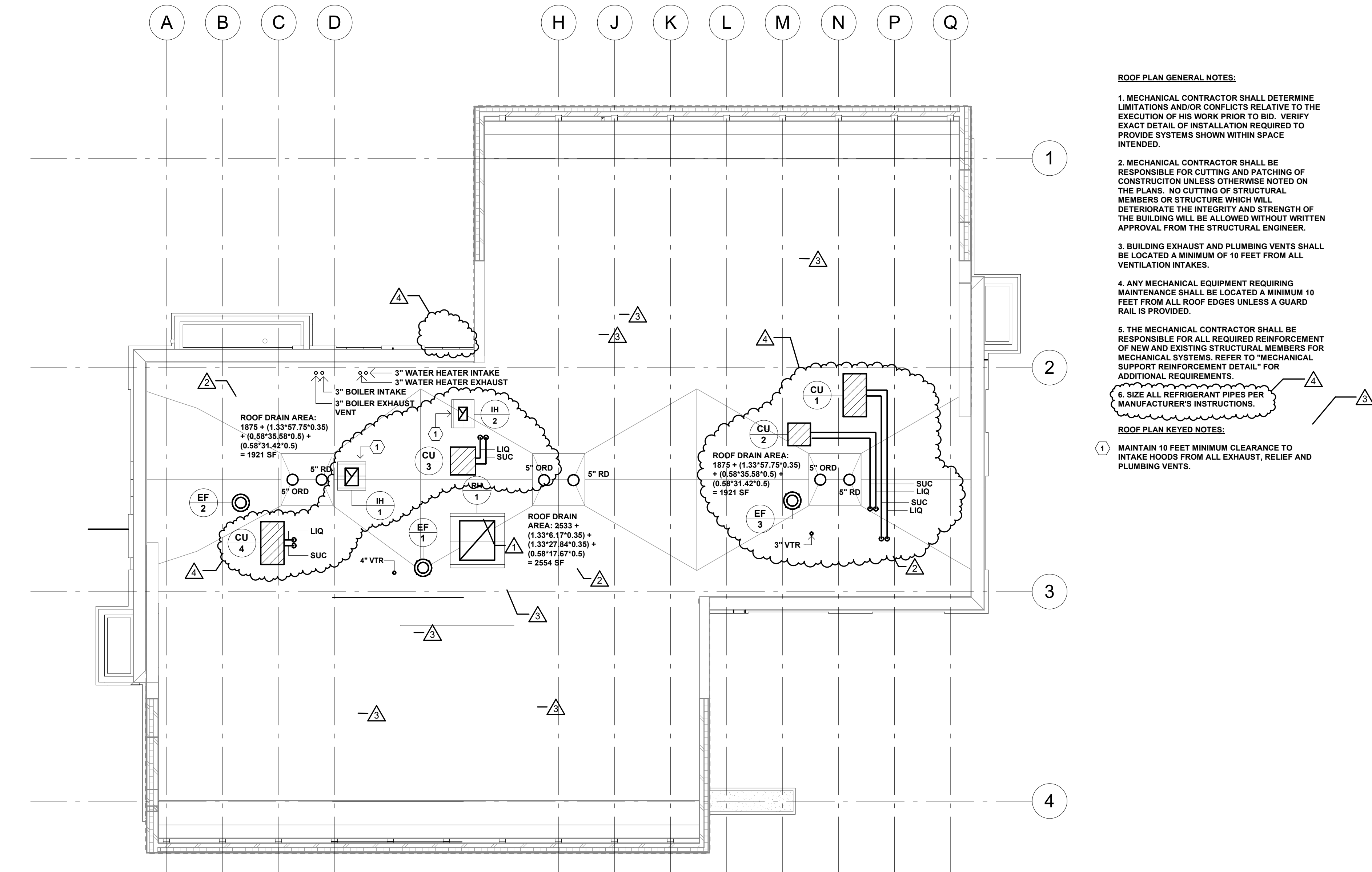
222064

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GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016



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E4 MECHANICAL ROOF PLAN
1/8" = 1'-0"

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Rene M. Mulla
License Number: Date: 11/08/22

Description	Revisions	
	Date	Num
Addendum #1	11/28/2022	1
SIR01	02/06/2023	2
PR004	07/11/2023	3
PR005	08/07/2023	4

Comm: 222064
Date: 11/08/22
Drawn: AG
Check: JM
North

MECHANICAL
ROOF PLAN

Scale: 1/8" = 1'-0"

M4.0

MN

GLACIAL VALLEY
PARK BUILDING

9900 RAVINE PKWY S COTTAGE
GROVE, MN 55016

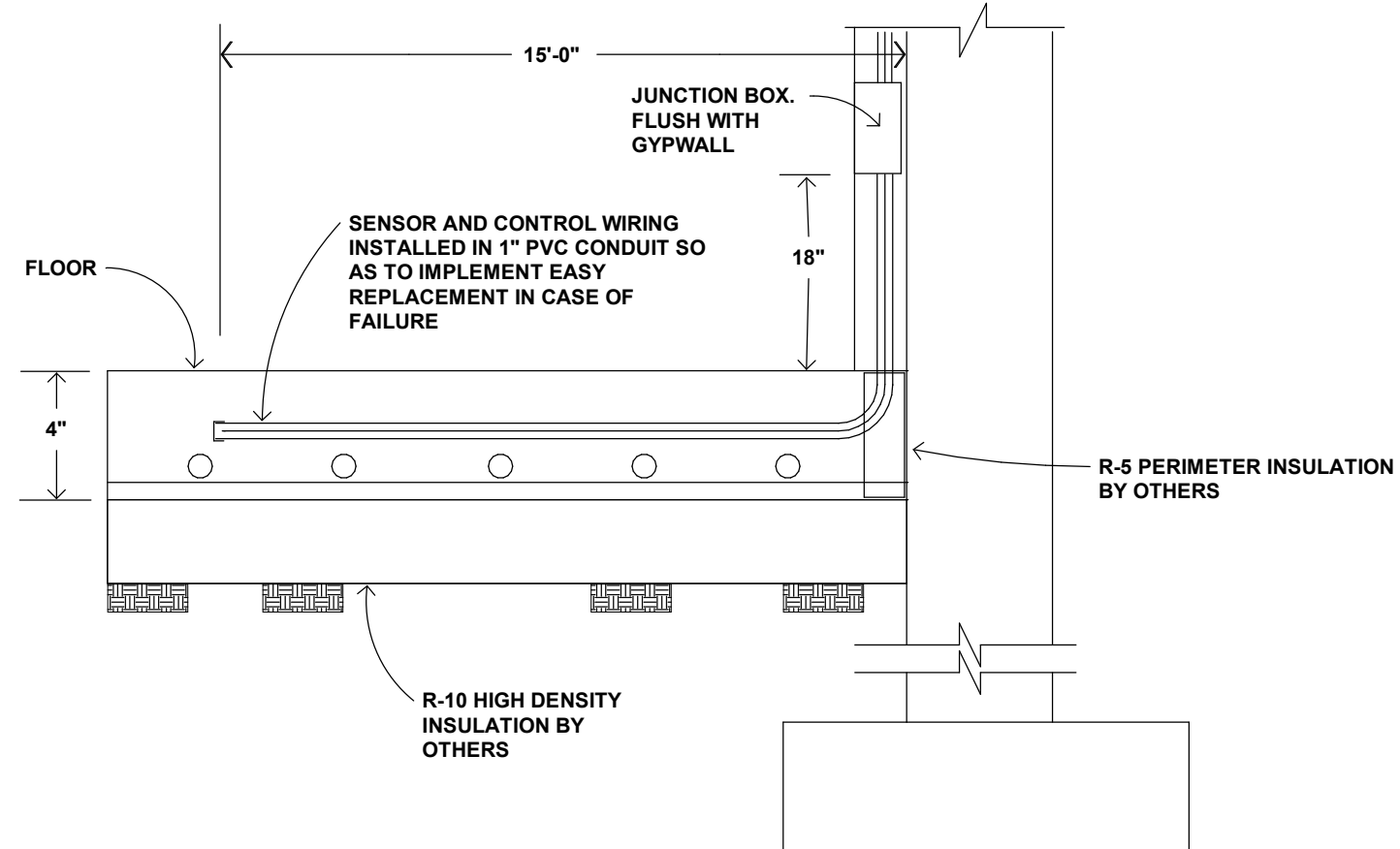
222064

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GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

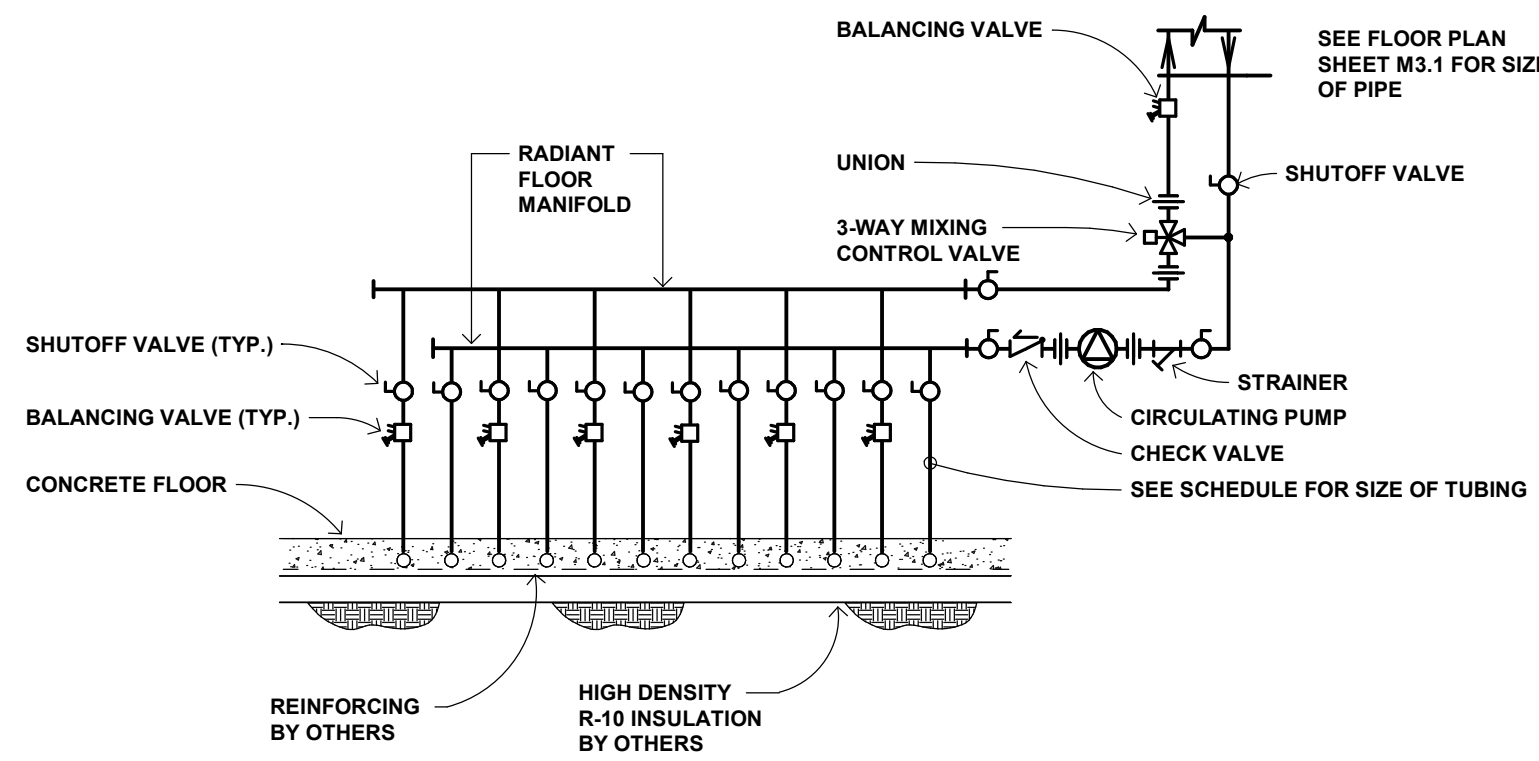
Wold

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AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

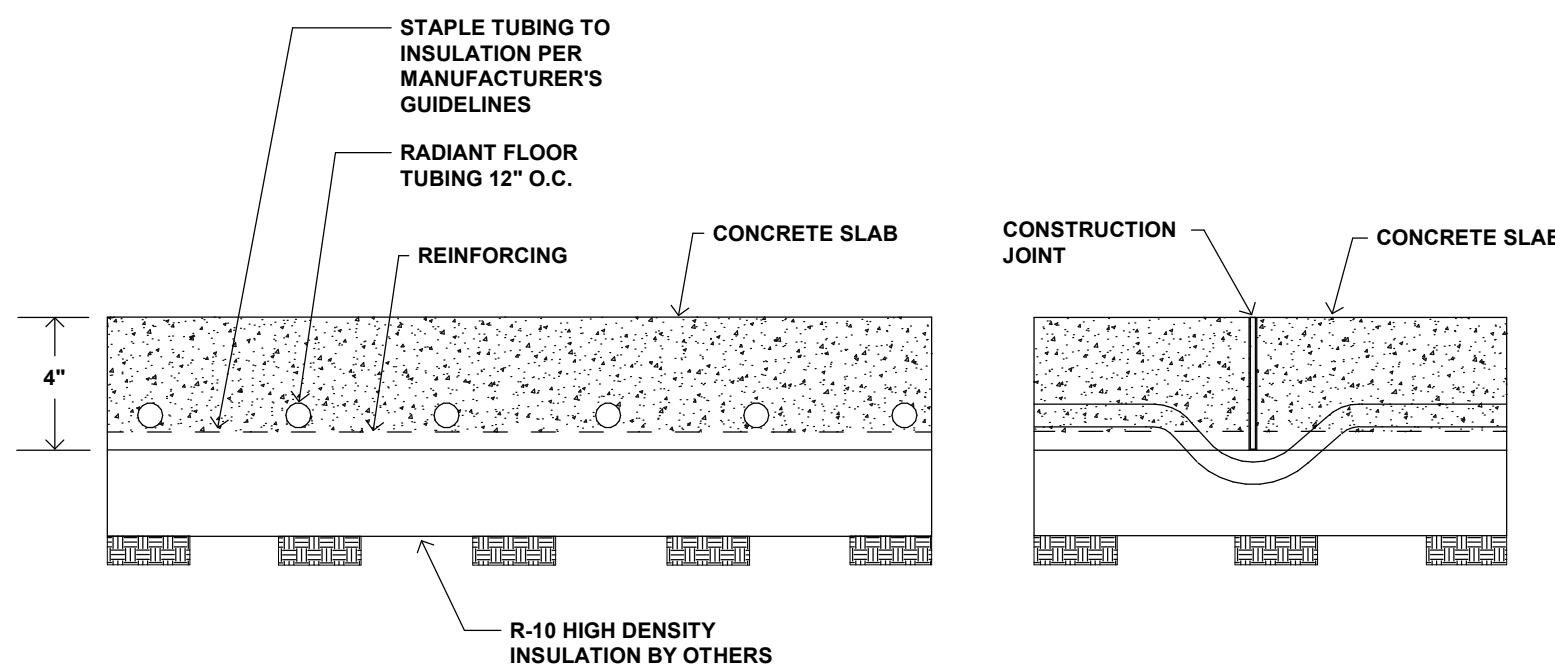
woldac.com | 651 227 7773



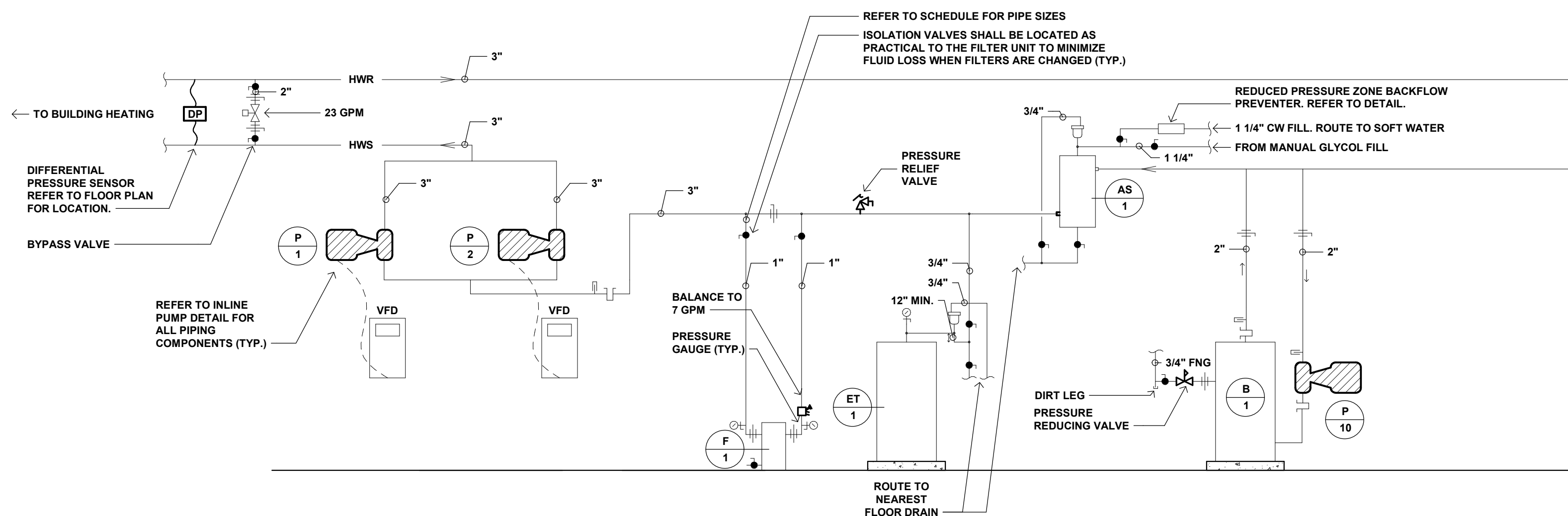
C2a RADIANT FLOOR SENSOR INSTALLATION DETAIL
NOT TO SCALE



D2 TYPICAL RADIANT FLOOR MANIFOLD DETAIL
NOT TO SCALE



E2 RADIANT FLOOR SLAB DETAIL
NOT TO SCALE



F4 BOILER HEATING WATER PIPING SCHEMATIC
1/8" = 1'-0"

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License
Number: Date: 11/08/22

Revisions		
Description	Date	Num
Addendum #1	11/28/2022	1
PR#06	08/07/2023	2

Comm: 222064
Date: 11/08/22
Drawn: AG
Check: PJ

SCHEMATICS AND
DETAILS

Scale: As indicated

M6.3

MN

M

BOILER SCHEDULE											B X
UNIT NO.	MANUFACTURER	MODEL NUMBER	NOMINAL HP	TYPE	FUEL	FIRING RATE MBH/GPH	GROSS OUTPUT MBH	AMPS	VOLTS	PHASE	REMARKS
B-1	LOCHINVAR	WB22SN	7.9	FIRE TUBE-COND.	NG	285	264	7.0	120	1	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

EXHAUST FAN AND TRANSFER FAN SCHEDULE														(EF-X)				
UNIT NO.	SERVES	LOCATION	MANUFACTURER	MODEL NO.	TYPE	CFM	TOTAL S.P. W.C.	DRIVE	EC MOTOR	RPM	HP	VOLTS/PHASE	MAKE-UP AIR SOURCE	MOTORIZED DAMPER	CONTROL			REMARKS
															BAS TEMPERATURE DAY OF BAS TIME	BAS TEMPERATURE PUSH BUTTON	OTHER - REFER TO SPECIFICATION	
EF-1	103, 104, 106 - TOILET ROOMS	ROOF	COOK	90 ACEH	PRV	300	0.5	DIRECT	YES	1487	1/4	120/1	FANCOIL	NO	YES	NO	NO	1, 2, 3
EF-2	108 - PARKS STORAGE	ROOF	COOK	90 ACEH	PRV	300	0.5	DIRECT	YES	1487	1/4	120/1	FANCOIL	YES	NO	NO	NO	1, 2, 4
EF-3	111 - KITCHENETTE/SERVING	ROOF	COOK	191 ACED OR75	PRV	115	0.375	DIRECT	YES	1317	1/4	120/1	FANCOIL	NO	YES	NO	YES	1, 2, 3

NOTES:
1. 120/1 VOLT FANS SHALL BE PROVIDED WITH A FACTORY MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH EC MOTOR.
3. PROVIDE WITH A GRAVITY BACK DRAFT DAMPER UNLESS A MOTORIZED DAMPER IS INDICATED TO BE PROVIDED.
4. WHERE MOTORIZED DAMPERS ARE INDICATED, THE DAMPERS AND ACTUATORS SHALL BE PROVIDED BY THE BAS CONTRACTOR AND INSTALLED BY DIV 23 CONTRACTOR.

DOMESTIC WATER HEATER SCHEDULE													WH X
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS OR ELEC)	MBH INPUT	STORAGE CAP. (GALLONS)	GPH RECOVERY @ 90° RISE	WATER TEMP.	VENT SIZE	VOLTS	PHASE	AMPS	REMARKS
WH-1	LAVS AND KITCHENETTES	A.O. SMITH	BTH 120	GAS	120	60	154	110°	3	120	1	5.0	1,2,3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH ASME RATED PRESSURE/TEMPERATURE RELIEF VALVE.
3. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.

FAN SCHEDULE (CF-X)										
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	STYLE	CFM	DIAMETER IN.	WATTS	VOLTS	PH	REMARKS
CF-1	110 - MULTIPURPOSE	MINIKAIRE	F524-CL	CEILING MOUNTED	1110	52	22	120	1	1, 2
CF-2	110 - MULTIPURPOSE	MINIKAIRE	F524-CL	CEILING MOUNTED	1110	52	22	120	1	1, 2
CF-3	107 - CLASSROOM/PROGRAMS	MINIKAIRE	F524-CL	CEILING MOUNTED	1350	52	22	120	1	1, 2
CF-4	107 - CLASSROOM/PROGRAMS	MINIKAIRE	F524-CL	CEILING MOUNTED	1350	52	22	120	1	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH REMOTE WALL MOUNTED SPEED CONTROL.

UNIT HEATER/CABINET UNIT HEATER SCHEDULE													
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS, HW OR ELEC)	CABINET	CFM	RPM	HP	VOLTS	PHASE	MBH	GPM	REMARKS
UH-1	108 - PARKS STORAGE	ZHENDER-RIITLING	RH-193	HW		2900	-	1/4	120	1	65.6	6.6	1, 2, 5
CUH-1	102 - NORTH VESTIBULE	ZHENDER-RIITLING	RRW-330-08	HW	WALL	810	-	1/15	120	1	34.9	3.7	1, 2, 3, 4, 5
CUH-2	100 - SOUTH VESTIBULE	ZHENDER-RIITLING	RRW-330-08	HW	WALL	810	-	1/15	120	1	34.9	3.7	1, 2, 3, 4, 5

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. UNITS ARE SELECTED WITH 125 DEGREE ENTERING WATER AND 105 DEGREE LEAVING WATER WITH A 60 DEGREE ENTERING AIR TEMPERATURE.
3. UNITS SHALL BE VERTICAL WALL MOUNTED WITH BOTTOM INLET AND TOP OUTLET.
4. SEMI-RECESSED WITH 2 1/2" EXPOSED CABINET.
5. SELECT WITH 35% PROPYLENE GLYCOL.

CONVECTOR SCHEDULE										
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	TYPE	SIZE LxHxD	ENT. WATER	L.V.G. WATER	MBH	GPM	REMARKS
CV-1	106 TOILET	ZHENDER-RIITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2
CV-2	104 TOILET	ZHENDER-RIITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2
CV-3	103 TOILET	ZHENDER-RIITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

WATER SOFTENER SCHEDULE														WS X
UNIT NO.	MANUFACTURER	MODEL NUMBER	TYPE	EXCHANGE CAPACITY PER TANK (GRAINS)		FLOW RATE (GPM)		RESIN (CU. FT.)	BACKWASH FLOW RATE (GPM)	BRINE TANK STORAGE (LBS)	SOFTENER TANK SIZE	BRINE TANK SIZE	INLET/OUTLET HEADER PIPE SIZE	REMARKS
				7 LBS SALT PER CU. FT. @ 15 PSI	13 LBS SALT PER CU. FT. @ 25 PSI	STD. @ 15 PSI	PEAK @ 25 PSI							
WS-1	WCC	MF-120 MR	CATION EXCHANGE	92,000	120,000	33	45	4	7	650	16W x 65H	24W x 50H	1.5"	1, 2, 3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH DIGITAL DISPLAY PROGRAMMABLE CONTROLLER.
3. CONNECT MECHANICAL CONTROLLER TO INLET AND OUTLET HEADERS AS INDICATED ON DRAWINGS.

SIDE STREAM FILTER SCHEDULE (F-X)									
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	FILTER TYPE	DESIGN FLOW RATE (GPM)	MAXIMUM FLOW RATE (GPM)	CONNECTION SIZE	MAXIMUM PRESSURE DROP (PSI)	REMARKS
F-1	BOILER	HERSELS	MBF7-30	BAG	50-140	150	6"	0.75	1, 2, 3

NOTES:
1. FIELD INSTALLED ACCESSORIES INCLUDE AT A MINIMUM PRESSURE GAUGES ON THE INLET/OUTLET, ISOLATION SHUTOFF VALVES, UNION CONNECTIONS, AND A BALANCING VALVE FOR THE FLOW INDICATED.
2. THE MECHANICAL CONTRACTOR SHALL VERIFY INLET AND OUTLET CONFIGURATION.
3. MAXIMUM PRESSURE DROP IS BASED UPON A 5 MICRON CLEAN FILTER.

RADIANT IN FLOOR HEAT SCHEDULE															(RF-X)
UNIT NO.	SERVES	GROSS AREA SF	TUBE TYPE	MANUFACTURER	TUBE SPACING	LOOP LENGTH	# OF LOOPS	LOAD PER SF	TEMP DROP	GPM	HEAD LOSS	REQUIRED WATER TEMP	TOTAL RADIANT LOAD (BTU/HR)	REMARKS	
IF-1	ZONE 1	1394	hNPEX 1/2"	UPONOR	12"	299'	5	30	20°	4.63	14.3	126	43911	1, 2, 3	
IF-2	ZONE 2	451	hNPEX 1/2"	UPONOR	12"	246'	2	30	20°	1.50	8.2	126	14267	1, 2, 3	
IF-3	ZONE 3	615	hNPEX 1/2"	UPONOR	12"	225'	3	30	20°	2.04	6.4	126	19373	1, 2, 3	
IF-4	ZONE 4	921	hNPEX 1/2"	UPONOR	12"	250'	4	30	20°	3.06	8.7	126	29012	1, 2, 3	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECTED WITH 35% PROPYLENE GLYCOL.
3. PROVIDE WITH A RANVAL APR VALVE.
4. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION AND TRANSFORMER FOR CONTROL CIRCUIT.
5. PROVIDE WITH SINGLE POINT DISCONNECT.

CONDENSING UNIT SCHEDULE - AIR COOLED															(CU-X)
UNIT NO.	SERVES	MFG.	MODEL NO.	NOMINAL TONS	COMPRESSOR TYPE	VOLTS	PHASE	MCA	SCCR	CIRCUITS	STAGES	MIN EER	REFRIG.	REMARKS	
CU-1	FC-1	JOHNSON CONTROLS	J07YEC00A2BAAS	7.5	SCROLL	208	3	36.9	5KA	SINGLE	2	-	R-410A	1, 2, 3, 4, 5	
CU-2	FC-2	FRASER JOHNSTON	TOP2B18S21S	1.5	SCROLL	208	1	13.2	-	SINGLE	1	15.2	R-410A	1, 2, 4, 5	
CU-3	FC-3	FRASER JOHNSTON	AL19A42S1S	4	SCROLL	208	1	28.2	-	SINGLE	2	19	R-410A	1, 2, 3, 4, 5	
CU-4	FC-4	JOHNSON CONTROLS	J07YEC00A2BAAS	7.5	SCROLL	208	3	36.9	5KA	SINGLE	2	-	R-410A	1, 2, 3, 4, 5	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH SPRING VIBRATION ISOLATORS.
3. PROVIDE WITH A RANVAL APR VALVE.
4. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION AND TRANSFORMER FOR CONTROL CIRCUIT.
5. PROVIDE WITH SINGLE POINT DISCONNECT.

PUMP SCHEDULE																P X	
UNIT NO.	SERVES	LOCATION	MANUFACTURER	SERIES	MODEL NUMBER	TYPE	DESIGN GPM	DESIGN HEAD	50% FLOW HEAD	SHUTOFF HEAD	IMP. SIZE	EFF.	SUC. SIZE	DISCH. SIZE	REMARKS		
												</					

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AND INSTALL A STRAP-ON LINE VOLTAGE ADJUSTAT TO CYCLE PUMP. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR FOR WIRING.
3. VARIABLE FREQUENCY DRIVES SHALL BE PROVIDED BY THE BUILDING AUTOMATION SYSTEM CONTRACTOR. ALL VARIABLE FREQUENCY DRIVES FOR THE ENTIRE PROJECT SHALL BE BY THE SAME MANUFACTURER.
4. SELECT WITH 35% PROPYLENE GLYCOL.
5. SELECT WITH 25% PROPYLENE GLYCOL.

EXPANSION TANK SCHEDULE												ET 'X'
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TANK TYPE	AVERAGE WATER TEMP.	MINIMUM PRECHARGE PRESS. (PSIG)	MAXIMUM OPER. PRESSURE (PSIG)	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	TANK HEIGHT	TANK DIA.	REMARKS
ET-1	HEATING / CHILLED WATER	B&G	BBS-LA	BLADDER	115	12	30	22	11	34"	16"	1, 2
ET-2	CONDENSER WATER	B&G	BBS-LA	BLADDER	80	12	30	22	11	34"	16"	1, 2
ET-3	DOMESTIC HW	B&G	PLT-12	DIAPHRAGM	110	70	150	4.5	2.8	13.5"	10.5"	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

FAN COIL UNIT SCHEDULE																									
UNIT NO.	TYPE	CFM @ HIGH SPEED	COIL OA	MIN ESP	DX COIL DATA										HOT WATER COIL DATA						FAN DATA			REMARKS	
					EAT	LAT	TOTAL	SEN	LQ	SST	SUPER	ROWS	EAT	LAT	MBH	EWTL	WT	GPM	FLUID P.D.	ROWS	VOLTS	PHASE	HP		MOTOR TYPE
FC-1	ENVIRO-TEC, BCU-30	2000	250	665	1.25	78/64.7	50/49.7	83.8	59.9	110	45	10	6/10	47.5	92.4	98.5	140/120	10.5	1.29	2/12	208	3	1 1/2	ECM	1, 2
FC-2	ENVIRO-TEC, HPP08	400	175	175	0.70	80.6/66.7	52.0/51.4	17.5	11.96	110	45	10	4/12	31.8	92.8	28.12	140/120	2.9	1.28	2/12	120	1	1/3	ECM	1, 2
FC-3	ENVIRO-TEC, BCU-20	1250	160	350	1.0	77.3/64.2	51.3/50.6	47.7	34.3	110	45	10	4/12	51.9	94.7	58.2	140/120	6.2	3.42	2/10	208	3	1	ECM	1, 2
FC-4	ENVIRO-TEC, BCU-30	2015	280	675	1.25	77.6/61.7	48.8/48.1	70.9	60.8	110	45	10	6/12	49.8	92.8	94.7	140/120	10	9.47	2/10	208	3	1 1/2	ECM	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

INTAKE AND RELIEF HOOD SCHEDULE (RH-X)									
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE	CFM	MAX. SP IN W.C.	THROAT SIZE	BACKDRAFT DAMPER (YES/NO)	REMARKS
RH-1	FC-1, 2, 3, 4	COOK	48x54GR	GRAVITY RELIEF HOOD	5700	0.017	48"x54"	NO	1, 2, 3
IH-1	FC-4	COOK	24x18GI	GRAVITY INTAKE HOOD	2400	0.110	24x18	NO	1, 4
IH-2	FC-3	COOK	18x12GI	GRAVITY INTAKE HOOD	1250	0.031	18x12	NO	1, 4

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. ALL INTAKE AND RELIEF HOODS ARE SHALL HAVE LOCKABLE HINGED OPENINGS.
3. PROVIDE WITH 24" HIGH CURB.
4. PROVIDE WITH 30" HIGH ROOF CURB.

AIR SEPARATOR SCHEDULE							
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	MAX. GPM	INLET/OUTLET SIZE	BLOWDOWN SIZE	REMARKS
AS-1	BUILDING	BELL & GOSSETT	RL-3	150	3/16"	1"	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

PLUMBING FIXTURE SCHEDULE												
FIX. NO.	FIXTURE TYPE	MINIMUM TRAP SIZE	MINIMUM DRAIN SIZE	VENT SIZE	CW SIZE	HW SIZE	TEPID WATER SIZE	VACUUM	LAB GASES			REMARKS
									AIR	NAT. GAS	OTHER	
P-1H	WATER CLOSET (ADA)	3"	4"	2"	1 1/4"	-	-	-	-	-	-	ADA COMPLIANT -
P-2H	LAVATORY (ADA)	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT -
P-3	MOP BASIN	3"	3"	1 1/2"	3/4"	3/4"	-	-	-	-	-	-
P-4	WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT ADA COMPLIANT
P-5	SINGLE SINK	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT -
P-6	SINGLE SINK (WIDE)	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-7	EMERGENCY EYEWASH	-	-	-	1/2"	1/2"	1/2"	-	-	-	-	WALL MOUNTED ADA COMPLIANT

MN

E

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
GENERAL ELECTRICAL SYMBOLS					COMMUNICATION DEVICES					POWER AND MOTOR DEVICES			
A. DEVICES SHALL BE MOUNTED AT THE HEIGHT INDICATED, UNLESS NOTED OTHERWISE. HEIGHTS ARE MEASURED TO FROM DEVICE CENTER TO FINISHED FLOOR. DEVICES MOUNTED IN BLOCKBRICK WALLS SHALL CORRESPOND WITH BLOCKBRICK COURSEING. SEE MASONRY SCHEDULE MOUNTING HEIGHT DETAIL.					xx PAGING/INTERCOM SPEAKER HORN ASSEMBLY- P-A, OR AS INDICATED xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P-A SYSTEM (3/4" C. BUSHED EMT TO ACCESSIBLE CEILING) GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
B. ALL MOUNTING HEIGHTS INDICATED ARE FROM THE FINISH FLOOR TO THE CENTER OF THE BOX.					xx INTERCOM: x INDICATES THE FOLLOWING: M = MASTER STATION, IC = REFER TO AV SYMBOLS, HS = REFER TO AV SYMBOLS. (1/2" C. BUSHED EMT TO ACCESSIBLE CEILING)					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
C. ON DEMOLITION DRAWINGS, DASHED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO BE REMOVED. SOLID SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, UNLESS NOTED OTHERWISE.					xx VOLUME CONTROL: (1/2" C. BUSHED EMT TO ACCESSIBLE CEILING)					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
D. ON NEW WORK LIGHTING, POWER AND SYSTEMS DRAWINGS, SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, SOLID ELECTRICAL ITEMS DENOTES NEW ITEMS, UNLESS NOTED OTHERWISE.					xx CALL BACK SWITCH: (1/2" C. BUSHED EMT TO ACCESSIBLE CEILING)					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
DEVICES TO BE DEMOLISHED: EXISTING DEVICES TO REMAIN: NEW DEVICES:					xx CLOCK OUTLET: (3/4" C. BUSHED EMT TO ACCESSIBLE CEILING FOR WIRED CLOCKS ONLY). D = DOUBLE FACED					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
KEYED NOTE.					xx BELL/AUDIBLE DEVICE: (3/4" C. BUSHED EMT TO ACCESSIBLE CEILING)					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
FEEDER OR EQUIPMENT DRAWING NOTE.					xx WALL DATA AND COMMUNICATIONS OUTLET: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). DR INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
ELEVATION, SEE DETAIL # ON SHEET EK.					xx CEILING DATA OUTLET AND WIRELESS ACCESS POINT: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). DR INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
POWER DISTRIBUTION AND EQUIPMENT					xx WALL MOUNT DATA OUTLET FOR ROOM SCHEDULING EQUIPMENT. REFER TO DETAILS.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
SWITCHBOARD WITH CONCRETE PAD: FLOOR MOUNTED.					xx DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNA.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
RELAY/CONNECTION CABINET: WALL MOUNTED, WITH TOP AT 72" AFF					xx FIRE ALARM MANIAL PULL STATION.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
PANELBOARD: WALL MOUNTED WITH TOP AT 78" AFF.					xx FIRE ALARM HORN (AUDIBLE), WALL MOUNTED.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
AUTOMATIC TRANSFER SWITCH: WALL OR FLOOR MOUNTED.					xx FIRE ALARM CHIME (WP FOR EXTERIOR MOUNTING). B = BELL.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
TRANSFORMER, WITH SIZE AS NOTED. SEE RISER DIAGRAM, SCHEDULE OR FLOOR PLANS, VERIFY.					xx FIRE ALARM STROBE (VISUAL) DEVICE (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
PULLBOX					xx FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
HANDHOLE					xx FIRE ALARM SPEAKER/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
MOTOR CONTROL CENTER (W/CONCRETE PAD); FLOOR MOUNTED.					xx FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
PLUG-IN BUS DUCT SWITCH; SIZE AS INDICATED AND SPECIFIED. VERIFY MOUNTING HEIGHT.					xx FIRE ALARM MANUAL PULL STATION.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
METERSOCKET ASSEMBLY; MOUNT TOP AT 72" AFF					xx FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
BRANCH CIRCUIT, FEEDER, AND RACEWAY					xx FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
INDICATES CONDUIT ROUTED BELOW, IN FLOOR STRUCTURE, BELOW GRADE, OR AS NOTED.					xx FIRE ALARM MANUAL PULL STATION.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
GROUND					xx FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
INDICATES CONDUIT IS SURFACE MOUNTED					xx FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
INDICATES CONDUIT ROUTED CONCEALED ABOVE FLOOR OR GRADE (IN CEILING OR WALL)					xx FIRE ALARM MANUAL PULL STATION.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
INDICATES CONDUIT UP					xx FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
INDICATES CONDUIT DOWN					xx FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
CONDUIT STUB - TERMINATION INDICATED BY NOTE					xx FIRE ALARM MANUAL PULL STATION.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
CONDUIT CONTINUATION					xx FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS. SEE SCHEDULE FOR QUANTITIES AND SIZES OF SLEEVES					xx FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
CABLE TRAY (WIDTH X DEPTH)					xx FIRE ALARM MANUAL PULL STATION.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
INDICATES 1" CONDUIT. (3) NO. 4 AWG CONDUCTORS AND (1) NO. 3 GROUND WIRE					xx FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			
SURFACE RACEWAY ASSEMBLY. PROVIDE AS SPECIFIED, UNLESS NOTED OTHERWISE.					xx FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRED GUARD; WP=WEATHER PROOF.					xx RECEPTACLE NOTATION: xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH G ISOLATED GROUND GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF			

ELECTRICAL DRAWINGS

E0.00	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.01	ELECTRICAL SITE PLAN
E1.00	LIGHTING / POWER & SYSTEMS PLANS
E2.00	ROOF PLAN - SOLAR PANEL
E2.01	ROOF PLAN - ELECTRICAL
E3.00	MOTOR AND LUMINAIRE SCHEDULE

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

Wold

WOLD ARCHITECTS
AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

GENERAL ELECTRICAL NOTES

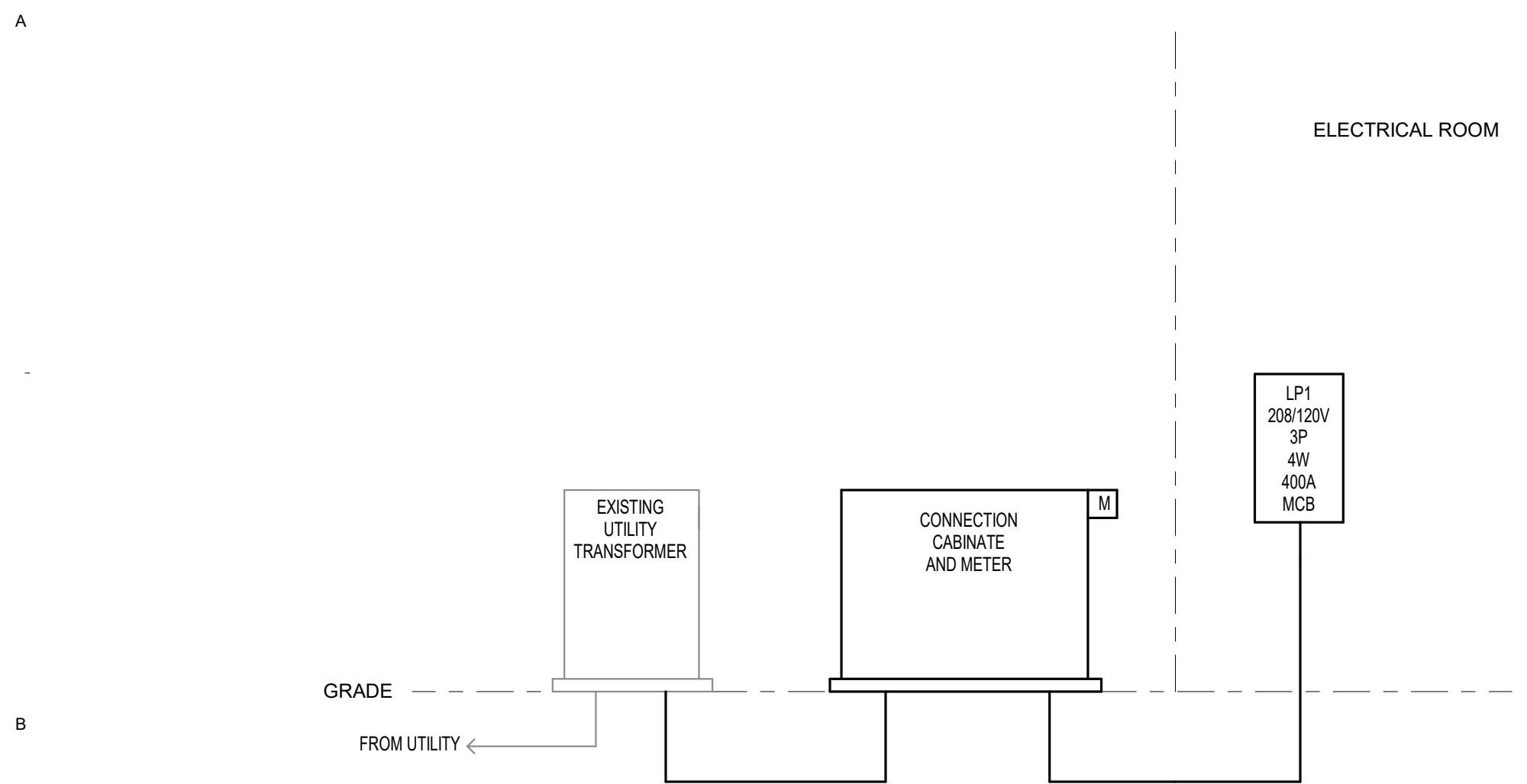
- INSTALL CONCEALED CONDUIT WITH FLUSH J.B.'S IN WALLS AND CEILINGS UNLESS NOTED OTHERWISE. IN FINISHED AREAS WITH INACCESSIBLE WALLS OR CEILINGS, PROVIDE SURFACE (WIREDMOLD) RACEWAY; PAINT TO MATCH COLOR OF ADJACENT WALL OR CEILING.
- RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR.
- CIRCUITS SUPPLYING LINE TO NEUTRAL LOADS SHALL HAVE DEDICATED NEUTRALS, I.E. ONE NEUTRAL PER PHASE. NEUTRAL CONDUCTORS SHALL HAVE TRACER STRIPE ALONG ENTIRE LENGTH INDICATING ASSOCIATED PHASE.
- BUILDING CONDUCTORS SHALL BE THWN/THHN. CONDUCTORS IN UNDERGROUND CONDUIT OUTSIDE OF BUILDINGS SHALL BE XHHW.
- NUMBERS AT RECEPTACLES AND LIGHT FIXTURES CORRESPOND DIRECTLY WITH PANELBOARD CIRCUIT NUMBERS AS SCHEDULED. BRANCH CIRCUIT WIRING AND HOMERUNS ARE NOT SHOWN FOR CLARITY. ACCURATE RECORD DRAWING INFORMATION IS TO BE PROVIDED AT THE PROJECT COMPLETION. TYPICAL THROUGHOUT. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
- REFER TO CONTRACT DOCUMENTS FOR SEQUENCE OF CONSTRUCTION AND PHASING OF THE CONTRACT.
- SWITCHES SHALL BE MOUNTED PER ADA REQUIREMENTS, 48" AFF. UNLESS OTHERWISE NOTED, RECEPTACLES AND TELECOMMUNICATION OUTLETS IN FINISHED AREAS SHALL BE MOUNTED 18" AFF. RECEPTACLES IN UN-FINISHED SPACES SHALL BE MOUNTED AT 48" OR 4" ABOVE WORK SURFACE. COORDINATE RECEPTACLE MOUNTING HEIGHTS WITH MILLWORK LOCATIONS, ARCHITECTURAL ELEVATIONS, AND MASONRY COURSING.
- CRITICAL DEVICES / EQUIPMENT, INCLUDING TELEPHONE, COMPUTER, SECURITY, AND FIRE ALARM, AFFECT ASSOCIATED SYSTEMS BUILDING-WIDE. THESE SYSTEMS MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION. INDIVIDUAL DEVICES MAY BE DISCONNECTED AND/OR RECONNECTED DURING CONSTRUCTION. COORDINATE POWER OUTAGES WITH OWNER. PROVIDE TEMPORARY PANEL(S) AND/OR CIRCUIT(S) AS/IF NECESSARY TO MAINTAIN CONTINUITY. PROTECT FROM PHYSICAL AND DUST DAMAGE.
- THE BUILDING SHALL MAINTAIN POWER THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE ENERGIZATION OF NEW EQUIPMENT AND THE CORRESPONDING RECONNECTION OF EXISTING AFFECTED ELECTRICAL DISTRIBUTION EQUIPMENT.
- SEE RELATED PLUMBING AND HVAC DRAWINGS FOR LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. COORDINATE INTERCONNECTION REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS.
- WIRING FOR MISCELLANEOUS HVAC DEVICES AND CONTROLLERS SUCH AS DAMPER MOTORS, THERMOSTATS, DUCT SMOKE DETECTORS, FREEZESTATS, DIFFERENTIAL PRESSURE SWITCHES, OCCUPIED AND UNOCCUPIED SELECTOR SWITCHES, ALARM LIGHTS, ETC., NOT SHOWN ON ELECTRICAL DRAWINGS IS DIVISION 23 WORK.
- FIELD VERIFY EXISTING CONDITIONS. DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDS.
- MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL SYSTEMS ON THE SITE THAT ARE EXISTING TO REMAIN.
- PROVIDE ALL CONDUIT HOMERUNS AS 3/4" C. MIN.
- COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER.
- ALL CUTTING AND PATCHING FOR DIV. 28 WORK SHALL BE UNDER SUPERVISION AND APPROVAL OF ARCHITECT.
- REMOVE AND/OR REINSTALL ELECTRICAL DEVICES IN ALL AREAS OF WORK AS REQUIRED AND REPLACE ANY ELECTRICAL DEVICES DAMAGED BY WORK. NOT ALL DEVICES MAY BE SHOWN ON DRAWINGS.
- PROVIDE ALL BOXES, FITTINGS, CONDUIT, WIRING, TERMINATIONS, EQUIPMENT, ETC. FOR A COMPLETE INSTALLATION.
- BRANCH 20A CIRCUIT CONDUCTORS SHOULD BE SIZED AS FOLLOWS:

120V CCT LENGTH	277V CCT LENGTH	AWG
< 75'	< 130'	12
75' - 120'	130' - 215'	10
120' - 200'	215' - 330'	8

ELECTRICAL ABBREVIATIONS LIST

@	ANGLE	C	CONDUIT	J-BOX	JUNCTION BOX	N.C.	NORMALLY CLOSED	QUAN	QUANTITY	UE	UNDERGROUND ELECTRICAL
#	AT	CB	CABLE TELEVISION	KV	KILOVOLT	NEG	NATIONAL ELECTRICAL CODE	UG	UNIT GROUND	UF	UNIT HEATER
#	FEET	CCTV	CIRCUIT BREAKER	KVA	KILOVOLT-AMPERE	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION	REQ	REQUIRED	UNO	UNLESS NOTED OTHERWISE
*	INCHES	CKT	CLOSED CIRCUIT TELEVISION	KVAR	KILOVOLT-AMPERE REACTIVE	NFS	NON-FUSED SAFETY SWITCH	REL	RELOCATED	UNO	UNDERGROUND TELEPHONE
1P	NUMBER	CLG	CLOSED	KWH	KILOWATT HOUR	NOT IN CONTRACT	NOT IN CONTRACT	RSC	RIGID STEEL CONDUIT	UV	UNIT VENTILATOR OR UL TRIVOLET
	1 POLE (3P, 4P, ETC.)	CMR	CEILING	KWH	KILOWATT HOUR	NL	NEW LOCATION	RTU	ROOF TOP UNIT	V	VOLT
A	AMPERE	CONN	CONNECTION	LOC	LOCATE OR LOCATION	N.O.	NORMALLY OPEN	S	SURFACE CONDUIT	V	VOLT-AMPERES
AC	AIR CONDITIONER	CONT	CONTINUATION OR CONTINUOUS	LT	LIGHT	NTS	NOT TO SCALE	SEC	SECONDARY	VERT	VERTICAL
ACLG	ABOVE CEILING	CONV	CONTRACTOR	LTG	LIGHTING	OFE	OWNER FURNISHED EQUIPMENT	SH	SHEET	VFD	VARIABLE FREQUENCY DRIVE
ADA	AUTOMATIC DOOR ACTUATOR	CT	CONVECTOR	LV	LOW VOLTAGE	OH	OVERHEAD	SM	SMALLER	SPK	SPEAKER
ADA	ABOVE FINISHED FLOOR	CT	CIRCUITING PUMP	LV	LOW VOLTAGE	OL	OVERLOADS	SPK	SPEAK	W	WATT
AFG	ABOVE FINISHED GRADE	CT	CURRENT TRANSFORMER	LV	LOW VOLTAGE	OL	OVERLOADS	SPK	SPEAK	W	WATT
AFG	ARC FAULT CIRCUIT INTERRUPTER	CJ	CURRENT	MAG.S	MAGNETIC STARTER	PA	PUBLIC ADDRESS	SP	SPARE	WG	WIRE GUARD
AFU	ARCHITECTURAL UNIT	CU	COPPER	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
AL	ALUMINUM	DCP	DOMESTIC WATER CIRCULATING PUMP	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
AMP	AMPLIFIER	DCP	DOMESTIC WATER CIRCULATING PUMP	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
ANUN	ANNUNCIATOR	EX	EXISTING TO RE-STATE	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
ANUN	ANNUNCIATOR	EX	EXISTING TO RE-STATE	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
AS	ASBESTOS	FOL	FIBER OPTIC LINE	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
AT	AUTOMATIC TRANSFER SWITCH	FOL	FIBER OPTIC LINE	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
AV	AUDIO VISUAL	FOL	FIBER OPTIC LINE	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
AVG	AMERICAN WIRE GAUGE	FOL	FIBER OPTIC LINE	MCC	MANUENTARY CENTER	PE	PEDESTAL	SP	SPARE	WG	WIRE GUARD
BATT	BATTERY	HTR	HEATER	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
BATT	BATTERY	HV	HIGH VOLTAGE	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
BUILD	BUILDING	HWP	HYDRAONIC WATER PUMP	MLO	MANU LUGS ONLY	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
BAS	BUILDING AUTOMATION SYSTEM	IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
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		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
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		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
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		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAPACITY	MMS	MANU FUSED DISCONNECT SWITCH	PNL	PANEL	SWD	SURFACE MOUNTED	XFR	TRANSFER
		IC	INTERUPTING CAP								

MN



B1 RISER DIAGRAM N.T.S.

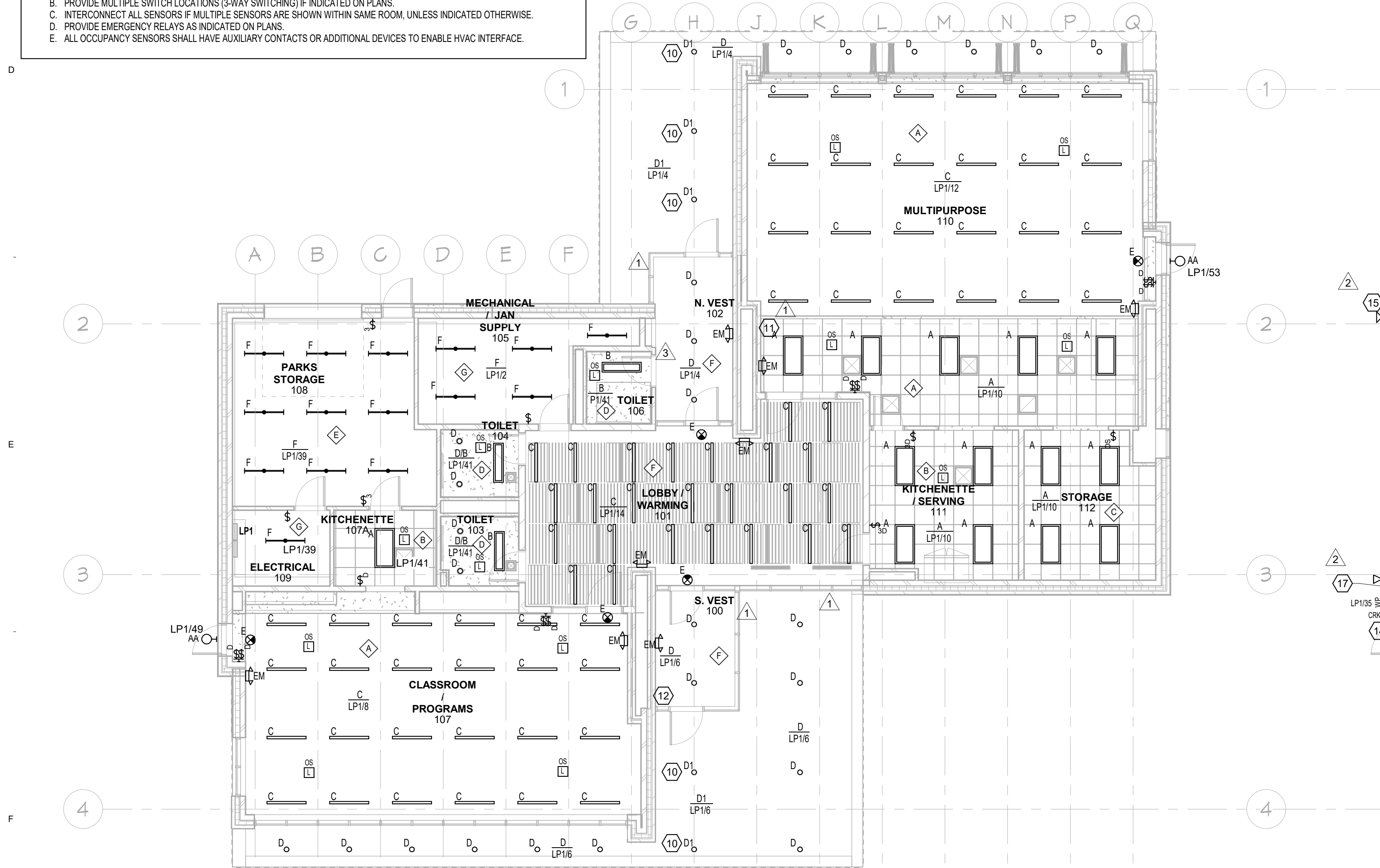
RISER NOTE:

- PANELBOARD SHALL BE SQUARED NQ OR APPROVED EQUAL.

FLOOR BOX (FB) SCHEDULE			
TYPE	DESCRIPTION	FACEPLATE	COVER
FB2	3-GANG, 4 POWER, 2 DATA, RECESSED DUAL SERVICE FLOORBOX CAST IRON, ROUND WIREMOLD RESOURCE RFMBE SERIES OR APPROVED EQUAL	(2) DUPLICATION FACEPLATE FOR POWER WIREMOLD RFB60P OR APPROVED EQUAL (1) STYLELINE FACEPLATES FOR SIGNAL WIREMOLD RFB60FI OR APPROVED EQUAL	FLUSH, FLANGED LID BRUSHED ALUMINUM FINISH SUITABLE FOR TILE CARPET INSTALLATION WIREMOLD CTS OR APPROVED EQUAL PROVIDE SILICON BEAD AROUND OUTER EDGE OF COVER TO SEAL FROM MOISTURE

LIGHTING CONTROLS SCHEDULE						
MARK	INTENDED LOCATIONS OF USE	WALL SWITCH #LEGS	OCF SENSOR LOCATION	MANUAL AUTO	DIMMING	DAY LIGHT
A	MULTIPURPOSE, CLASSROOM	2	CEILING	MANUAL	X	
B	KITCHENETTE	1	CEILING	MANUAL		X
C	STORAGE	1	WALL	MANUAL		
D	RESTROOMS	NONE	CEILING	AUTO		
E	PARKS STORAGE	1	NONE	MANUAL		
F	LOBBY/VEST	NONE	NONE	AUTO		
G	ELECTRICAL/MECHANICAL ROOMS	1	NONE	MANUAL		

GENERAL NOTES:
A. SCHEMES ARE SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLANS.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.



F1 LIGHTING PLAN 1/8" = 1'-0"

3 PHASE FEEDER SCHEDULE (COPPER)			
FEEDER 3W (NO NEUTRAL)		FEEDER 4W (WITH NEUTRAL)	
ID	(AMPS)	CONDUIT-PHASE-GROUND	CONDUIT-PHASE-GROUND
20A	(1) 12°C, 3#12-1#12G	(1) 12°C, 4#12-1#12G	
30A	(1) 34°C, 3#10-1#10G	(1) 34°C, 4#10-1#10G	
40A	(1) 34°C, 3#8-1#8G	(1) 34°C, 4#8-1#8G	
50A	(1) 1°C, 3#6-1#6G	(1) 1°C, 4#6-1#6G	
60A	(1) 125°C, 3#4-1#4G	(1) 125°C, 4#4-1#4G	
80A	(1) 125°C, 3#3-1#3G	(1) 125°C, 4#3-1#3G	
100A	(1) 15°C, 3#1-1#1G	(1) 15°C, 4#1-1#1G	
125A	(1) 15°C, 3#1-1#1G	(1) 15°C, 4#1-1#1G	
150A	(1) 15°C, 3#10-1#10G	(1) 15°C, 4#10-1#10G	
175A	(1) 15°C, 3#20-1#20G	(1) 2°C, 4#20-1#20G	
200A	(1) 2°C, 3#30-1#30G	(1) 2°C, 4#30-1#30G	
225A	(1) 2°C, 3#40-1#40G	(1) 25°C, 4#40-1#40G	
250A	(1) 2°C, 3#250-1#250G	(1) 25°C, 4#250-1#250G	
300A	(1) 25°C, 3#350-1#350G	(1) 3°C, 4#350-1#350G	
400A	(2) 2°C, 3#30-1#30G	(2) 2°C, 4#30-1#30G	
500A	(2) 2°C, 3#250-1#250G	(2) 25°C, 4#250-1#250G	
600A	(2) 25°C, 3#350-1#350G	(2) 3°C, 4#350-1#350G	
800A	(3) 25°C, 3#300-1#300G	(3) 25°C, 4#300-1#300G	
1000A	(3) 3°C, 3#400-1#400G	(3) 3°C, 4#400-1#400G	
1200A	(4) 3°C, 3#350-1#350G	(4) 3°C, 4#350-1#350G	
1600A	(5) 3°C, 3#400-1#400G	(5) 3°C, 4#400-1#400G	
2000A	(6) 3°C, 3#400-1#250G	(6) 3°C, 4#400-1#250G	
2500A	(7) 3°C, 3#500-1#350G	(7) 3°C, 4#500-1#350G	
3000A	(8) 3°C, 3#500-1#400G	(8) 35°C, 4#500-1#400G	

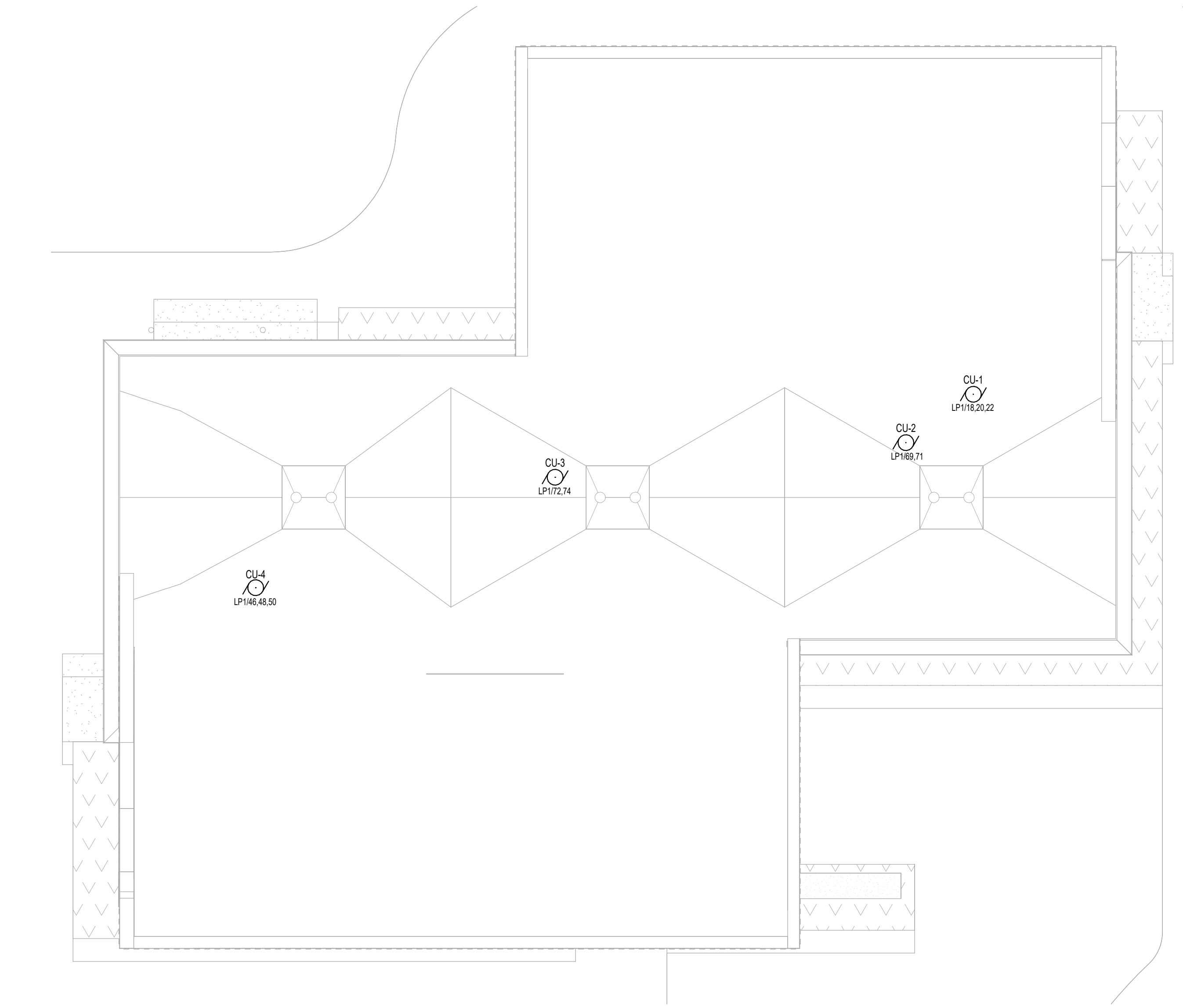
GENERAL NOTES:
A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.
B. CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15 OF THE NEC FOR COPPER CONDUCTOR AT 90 DEG C FOR 100A AND BELOW. AMPACITIES ARE BASED ON 75 DEG C FOR 125A AND ABOVE.
C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DURATION FACTORS REQUIRED BY CODE AND/OR ARE OVERSIZED FOR VOLTAGE DROP.
D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.
E. CONDUIT ABOVE GRADE OUTDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.
F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.

PANELBOARD: LP1														
LOCATION: ELECTRICAL 109							VOLTAGE: 208Y/120 V, 3 ø 4 W.							
MOUNTING: SURFACE							A.F.C.... SEE SHORT CIRCUIT STUDY							
MAINS TYPE:							SPECIAL:							
MAINS AMPS: 400A														
BUS AMPS:														
FED FROM:														
#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT	#
1		PARKS STORAGE 108	RCPT	20 A	1	0.9	0.7			1	15 A	MTR	EF-1	2
3		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.7		1	15 A	MTR	EF-2	4
5		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.7	1	15 A	MTR	EF-3	6
7		KITCHENETTE 107A	RCPT	20 A	1	0.2	0.2			1	15 A	MTR...	WH-1	8
9		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.1		1	15 A	MTR	B-1	10
11		ELEC 109/CLASS 107	RCPT	20 A	1			0.7	0.5	1	15 A	MTR	CUH-1	12
13		CLASSROOM 107	MTR...	20 A	1	1.1	0.5			1	15 A	MTR	CUH-2	14
15		LOBBY 101/N&S VEST	RCPT	20 A	1		1.1	0.7		1	15 A	MTR	UH-1	16
17		RESTROOMS/MECH 105	RCPT	20 A	1			0.7	4.4	3	60 A	MTR	CU-1	18
19		KITCHENETTE 111	RCPT	20 A	1	0.2	4.4			--	--	--	--	20
21		KITCHENETTE 111	RCPT	20 A	1		0.2	4.4		--	--	--	--	22
23		KITCHENETTE 111	RCPT	20 A	1			0.2	0.8	3	30 A	MTR	FC-1	24
25		KITCHENETTE 111	RCPT	20 A	1	0.2	0.8			--	--	--	--	26
27		KITCHENETTE 111	RCPT	20 A	1		0.2	0.8		--	--	--	--	28
29		KITCHENETTE 111	RCPT	20 A	1			0.2	0.9	1	15 A	MTR	FC-2	30
31		MULTI 110/STOR 112	MTR...	20 A	1	1.3	0.6			3	30 A	MTR	FC-3	32
33		EXTERIOR	RCPT	20 A	1		0.2	0.6		--	--	--	--	34
35		EXTERIOR	RCPT	20 A	1			0.2	0.6	--	--	--	--	36
37		EXTERIOR	RCPT	20 A	1	0.2	0.8			3	30 A	MTR	FC-4	38
39		STORAGE 108/ ELEC 109	LTG	20 A	1		0.4	0.8		--	--	--	--	40
41		TOILET/KITCH 107A	LTG	20 A	1			0.3	0.8	--	--	--	--	42
43		MECHANICAL 105	LTG	20 A	1	0.2	1.3			1	20 A	Other...	MULTIPURPOSE 110	44
45		N. VEST/S. EXTERIOR	LTG	20 A	1		0.2	4.4		3	60 A	MTR	CU-4	46
47		S. VEST/S. EXTERIOR	LTG	20 A	1			0.2	4.4	--	--	--	--	48
49		CLASSROOM 107	LTG	20 A	1	1.7	4.4			--	--	--	--	50
51		KITCH/STORM/MULTI...	LTG	20 A	1		0.5	1.2		1	15 A	MTR	P-8	52
53		MULTIPURPOSE 110	LTG	20 A	1			1.7	1.2	1	15 A	MTR	P-7	54
55		LOBBY 101	LTG	20 A	1	1.8	1.2			1	15 A	MTR	P-8	56
57		P-1	MTR	30 A	3			2.0	0.5	1	15 A	MTR	P-9	58
59	--	--	--	--	--			2.0	0.3	3	30 A	MTR	P-10	60
61	--	--	--	--	--			2.0	0.3	--	--	--	--	62
63		P-2	MTR	30 A	3			2.0	0.3	--	--	--	--	64
65	--	--	--	--	--			2.0	0.0	1	20 A	--	MONUMENT LIGHTS	66
67	--	--	--	--	--			2.0	0.1	1	20 A	MTR	CONDENSATE PUMP	68
69		CU-2	MTR	20 A	2			1.4	0.0	1	20 A	Other...	AED	70
71	--	--	--	--	--			1.4	2.9	2	40 A	MTR	CU-3	72
73		SPARE	--	20 A	1	0.0	2.9			--	--	--	--	74
75		P-5	MTR	15 A	1			1.2	0.0	1	20 A	--	SPARE	76
77		FLOORBOX 107	RCPT	20 A	1			0.0	0.0	1	20 A	--	SPARE	78
79		FLOORBOX 110	RCPT	20 A	1	0.0	0.0			1	20 A	--	SPARE	80
81		MULTIPURPOSE 110	Other...	20 A	1	0.0	0.0			1	20 A	--	SPARE	82
83		STORAGE 112	Other...	20 A	1			0.4	0.0	1	20 A	--	SPARE	84
TOTAL LOAD:					30 kVA					24 kVA				
TOTAL AMPS:					251 A					200 A				
					233 A									
LOAD CLASSIFICATION					CONNECTED					DEMAND				
LTG					7062 VA					125.00%				
MTR					64703 VA					105.14%				
Other					0 VA					0.00%				
RCPT					9900 VA					100.00%				

MN

E

W:\Projects\2022\07 - Glacial Valley Park Building\02 - Electrical\01 - Roof Plan - Electrical.dwg
Created: 8/16/2022 10:00:00 AM
Last Modified: 8/16/2022 10:00:00 AM
User: WJH
Plot Date: 8/16/2022 10:00:00 AM
Plot User: WJH



E4 ROOF PLAN - ELECTRICAL
1/8" = 1'-0"

GENERAL SHEET NOTES - POWER

- A. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.
- B. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.
- C. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY AND EGRESS CIRCUITS. DO NOT COMBINE WITH NORMAL BUILDING WIRING.
- D. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
- E. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00.
- F. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- G. GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX. DOWNSTREAM DEVICES SHALL NOT BE PROTECTED BY GFCI.
- H. INSTALL DATA/SYSTEMS CONDUIT WITH NO MORE THAN (2) 90° BENDS BETWEEN PULL BOXES, AND NO MORE THAN 100'-0" BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.
- I. ALL COMMUNICATIONS CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY, OR SUPPORTED BY J-HOOKS. PROVIDE BUSHINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILINGS OR WHERE DROPPED INTO CABLE TRAY. PROVIDE J-HOOKS ABOVE ACCESSIBLE CEILINGS FOR CABLE INSTALLATION WHERE NOT INSTALLED IN CONDUIT OR CABLE TRAY.

KEYED SHEET NOTES

- 1. NOTE

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016



WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

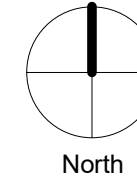
woldae.com | 651 227 7773

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

Bradley R. Johannsen
License Number: **BRADLEY R. JOHANNSEN**
43936 Date: 11/8/22

Description	Revisions	
	Date	Num
PR#6	8/7/2023	1

Comm: 222064
Date: 11/8/22
Drawn: Author
Check: Checker



ROOF PLAN - ELECTRICAL

Scale: 1/8" = 1'-0"

E2.01

MN

E

MOTOR SCHEDULE																											
LOAD INFORMATION						CONDUIT				WIRE QUANTITY AND SIZE				WIRE TYPE		STARTER				DISCONNECT				CTRL'S		NOTES	MTR
MTR	DESCRIPTION	LOC	LOAD	UNIT	VOLTAGE	PANEL	SET(S)	SIZE	TYPE	P-N	PHASE	NEUT	GND	TYPE	INSUL	SUPPLIED	INSTALLED	SIZE	LOC	SUPPLIED	INSTALLED	TYPE	TYPE	LOC	BY		
B-1	BOILER	MECHANICAL/JAN SUPPLY 105	0.5	FLA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		B-1
EF-1	EXHAUST FAN	ROOF	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		EF-1
EF-2	EXHAUST FAN	ROOF	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		EF-2
EF-3	EXHAUST FAN	ROOF	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		EF-3
WH-1	WATER HEATER	MECHANICAL/JAN SUPPLY 105	0.5	FLA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		WH-1
CF-1	CEILING FAN	MULTIPURPOSE 110	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CF-1
CF-2	CEILING FAN	MULTIPURPOSE 110	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CF-2
CF-3	CEILING FAN	CLASSROOM/PROGRAMS 107	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CF-3
CF-4	CEILING FAN	CLASSROOM/PROGRAMS 107	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CF-4
UH-1	UNIT HEATER	PARKS STORAGE 108	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		UH-1
CUH-1	CABINET UNIT HEATER	NORTH VESTIBULE 102	1/15	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CUH-1
CUH-2	CABINET UNIT HEATER	SOUTH VESTIBULE 100	1/15	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CUH-2
P-1	PUMP	MECHANICAL/JAN SUPPLY 105	5	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 1	MTR	ELEC	ELEC	FS	30A	MTR	MECH	1	P-1
P-2	PUMP	MECHANICAL/JAN SUPPLY 105	5	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 1	MTR	ELEC	ELEC	FS	30A	MTR	MECH	1	P-2
P-5	PUMP	MULTIPURPOSE 110	2/5	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-5
P-6	PUMP	MULTIPURPOSE 110	2/5	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-6
P-7	PUMP	MECHANICAL/JAN SUPPLY 105	2/5	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-7
P-8	PUMP	CLASSROOM/PROGRAMS 107	2/5	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-8
P-9	PUMP	MECHANICAL/JAN SUPPLY 105	1/8	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-9
P-10	PUMP	MECHANICAL/JAN SUPPLY 105	1/2	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		P-10
FC-1	FAN COIL UNIT	STORAGE 112	1 1/2	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		FC-1
FC-2	FAN COIL UNIT	STORAGE 112	1/3	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		FC-2
FC-3	FAN COIL UNIT	MECHANICAL/JAN SUPPLY 105	1	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		FC-3
FC-4	FAN COIL UNIT	KITCHENETTE 107A	1 1/2	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		FC-4
CU-1	FAN COIL UNIT	ROOF	36.9	MCA	208/3		1	3/4"	EMT	3	8 AWG		10 AWG	CU	THHN	MFR	MFR		MTR	ELEC	ELEC	FS	60A	MTR	MECH		CU-1
CU-2	FAN COIL UNIT	ROOF	13.2	MCA	208/1		1	3/4"	EMT	2	12 AWG		12 AWG	CU	THHN				MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CU-2
CU-3	FAN COIL UNIT	ROOF	28.2	MCA	208/1		1	3/4"	EMT	2	10 AWG		10 AWG	CU	THHN				MTR	ELEC	ELEC	MMS	30A	MTR	MECH		CU-3
CU-4	FAN COIL UNIT	ROOF	36.9	MCA	208/3		1	3/4"	EMT	3	8 AWG		10 AWG	CU	THHN	MFR	MFR		MTR	ELEC	ELEC	FS	60A	MTR	MECH		CU-4
GENERAL NOTES: A. ALL FUSE SIZES/BREAKER TRIPS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY INSTALLED MOTOR REQUIREMENTS.																											
KEYED NOTES: 1. CONTROLLED THROUGH VFD BY MECH																											

LUMINAIRE SCHEDULE									
LETTER	LUMINAIRE TYPE	LUMENS/WATTS	VOLT	MOUNTING	LENS / LOUVER	OTHER REQUIREMENTS	MANUF. & SERIES	SPARES	NOTES
A	RECESSED 2X4 TROFFER	35W, LED, 80 CRI, 3500K, 4000 LUMENS	MVOLT	RECESSED (GRID)	MATTE WHITE ENAMEL FINISH	0-10V DIMMING	LITHONIA: ENVEX SERIES METALUX: 24ID SERIES VISCOR: OCRV SERIES SPITZER: EDGE SERIES		
B	RECESSED 1X4 TROFFER	16W, LED, 80 CRI, 3500K, 2000 LUMENS	MVOLT	RECESSED (GRID)	MATTE WHITE ENAMEL FINISH	0-10V DIMMING	LITHONIA: ENVEX SERIES METALUX: 14ID SERIES VISCOR: OCRV SERIES SPITZER: EDGE SERIES		
C	4' LINEAR LED	18W, LED, 80 CRI, 3500K, 1000 LMf	MVOLT	AIR CRAFT CABLE SUSPENDED	EXTRUDED ACRYLIC	0-10V DIMMING	MARK LIGHTING: SL4ID SERIES AXIS LIGHTING: BEAM 3 SERIES STARTEK: BEAMDI SERIES LUX: EOS 3.0 SERIES		
D	6" ROUND LED DOWNLIGHT	LED, 80 CRI, 3500K, 1500 LUMENS	MVOLT	RECESSED (GRID)	SEMI-SPECULAR CLEAR	0-10V DIMMING	GOTHAM: EVO SERIES HALO COMM: HCG SERIES LIGHTOLIER: GRN SERIES PRESCOLITE: LFR-6RD SERIES		
D1	6" ROUND LED DOWNLIGHT	LED, 80 CRI, 3500K, 4000 LUMENS	MVOLT	RECESSED (GRID)	SEMI-SPECULAR CLEAR	0-10V DIMMING, REMOTE BATTERY BACKUP	GOTHAM: EVO SERIES HALO COMM: HCG SERIES LIGHTOLIER: GRN SERIES PRESCOLITE: LFR-6RD SERIES		
E	EXIT SIGN	LED, <5W	MVOLT	CEILING MOUNTED	HIGH IMPACT ACRYLIC PANEL	GREEN LETTERS	LITHONIA: EDGR SERIES SURE-LITES: EUX7 SERIES ABB (EMERGI-LITE): PN SERIES COMPASS: CEL SERIES		
EM	EMERGENCY WALL PACK	LED	MVOLT	WALL MOUNTED		SELF DIAGNOSTICS, BLACK	LITHONIA: AFF SERIES SURE-LITES: SELD SERIES ABB (EMERGI-LITE): SD SERIES COMPASS: CUW SERIES		
F	4' INDUSTRIAL STRIP	41W, LED, 80 CRI, 3500K, 5300 LUMENS	MVOLT	AIR CRAFT CABLE SUSPENDED	SEMI-FROST LENS- NARROW	0-10V DIMMING	LITHONIA: ZL1N SERIES METALUX: SNLED SERIES DAYBRITE: SDS SERIES COLUMBIA: CSL4 SERIES		
AA	WALL PACK	27W, LED, 80CRI, 4000K, 3500 LUMENS	MVOLT	WALL MOUNTED	FULL CUTOFF	COLD WEATHER BATTERY PACK	LITHONIA: WDGE2LED SERIES LUMARK: AXC53A SERIES BROWNLEE: 7037 SERIES SPITZER: WPPF SERIES		
BB	FLOOD LIGHT	21W, LED, 4000K, 2500 LUMENS	MVOLT	KNUCKLE MOUNTED ON CONCRETE BASE	HORIZONTAL MEDIUM FLOOD	BLACK	LITHONIA: D-SERIES GARDOCO: CSFS SERIES KIM: KFL SERIES		
LUMINAIRE SCHEDULE GENERAL NOTES A. ALL DIMMABLE LUMINAIRES SHALL BE CAPABLE OF DIMMING TO 1%.									
LUMINAIRE SCHEDULE NUMBERED NOTES 1. SEE PLAN FOR FIXTURE LENGTH. 2. PROVIDE (20) SPARE DRIVERS. 3. PROVIDE (5) SPARE DRIVERS.									

GLACIAL VALLEY
PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE
GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016



WOLD ARCHITECTS
AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldae.com | 651 227 7773

I hereby certify that this plan, specification or report was prepared by
me or under my direct supervision and that I am a duly Licensed

PROFESSIONAL ENGINEER
MINNESOTA

under the laws of the State of

BRADLEY R. JOHANNSSEN
License Number: 43936 Date: 11/8/22

Revisions

Description	Date	Num
ADD #1	11/28/2022	1
PR#6	8/7/2023	2

Comm: 222064
Date: 11/8/22
Drawn: D PETERSON
Check: S MCNAMARA

North

MOTOR AND
LUMINAIRE
SCHEDULE

Scale: 12" = 1'-0"

E3.00



KRAUS-ANDERSON®
Construction Company

501 South Eighth Street
Minneapolis MN 55404

Contract Change Order

Project: 2210103-02 Cottage Grove Glacial Valley Park
12800 Ravine Parkway South
Cottage Grove, MN 55016

Contract #: 2210103-WS 26-A
Contract Change Order #: 2
Change Order Date: 10/13/23

To Contractor : Vinco, Inc.
18955 Forest Boulevard North, P.O. Box 907
Forest Lake, MN 55025

THE CONTRACT IS CHANGED AS FOLLOWS:

PCO	Item	Description	Amount
11	4	Electrical per Wold PR #04.	\$1,756.81

Total **\$1,756.81**

The original Contract Sum was	\$361,125.00
The net change by previously authorized Change Orders was	\$18,836.80
The Contract Sum prior to this Change Order was	\$379,961.80
The Contract Sum will be increased by this Change Order	\$1,756.81
The new Contract Sum will be	\$381,718.61

NOT VALID UNTIL SIGNED BY THE OWNER, CONSTRUCTION MANAGER, ARCHITECT AND CONTRACTOR

Kraus-Anderson Construction Company

CONSTRUCTION MANAGER *(Firm name)*

501 South Eighth Street
Minneapolis MN 55404

ADDRESS

BY *(Signature)*

Dan Kjellberg

(Typed name)

DATE:

Vinco, Inc.

CONTRACTOR *(Firm name)*

18955 Forest Boulevard North, P.O. Box 907
Forest Lake, MN 55025

ADDRESS

BY *(Signature)*

(Typed name)

DATE:

Wold Architects & Engineers

ARCHITECT *(Firm name)*

332 Minnesota Street - Suite W2000
Saint Paul, MN 55101

ADDRESS

BY *(Signature)*

Jacob Wollensak

(Typed name)

DATE:

City Of Cottage Grove

OWNER *(Firm name)*

8635 W. Point Douglas Rd
Cottage Grove, MN 55016

ADDRESS

BY *(Signature)*

Jennifer Levitt

(Typed name)

DATE:

CITY OF COTTAGE GROVE - GLACIAL VALLEY PARK BUILDING

Vinco Inc.

PO BOX 907

Forest Lake, MN 55025

Project Manager: Matt Rivera

Date : 7/14/23

PCO #: 11

PR/SI # 4

COST SUMMARY

Description	Cost	Notes/Attachments
Labor Total	\$ 1,215.00	(Auto Fill from Sub-Total Below)
Materials and Equipment Total	\$ 358.02	(Auto Fill from Sub-Total Below)
Tax on Materials and Equipment Only	\$ 26.49	<<< Provide Sales/Use Tax Total
Self Performed Subtotal	\$ 1,573.02	
10% Overhead and Profit	\$ 157.30	(10% is the max fee allowed on CO's)
Self Performed Total	\$ 1,730.32	
Subcontractors	\$ -	Auto Fill from Sub-Total Below
5% Overhead and Profit on Subs	\$ -	(5% is the max allowed on subcontractors)
Subcontractor Total	\$ -	
TOTAL COST OF CHANGE	\$ 1,756.81	

Signature: Matthew Rivera

Contractor acknowledges no other Costs associated with this PCO.

PROVIDE DETAIL BREAKDOWN BELOW:

Labor By Task		Qty	Unit	Unit Cost	Total Cost
Added Raceway and circuitry to P-11		9	HR	\$ 135.00	\$ 1,215.00
					\$ -
					\$ -
					\$ -
Sub-Total					\$ 1,215.00
Materials and Equipment By Task		Qty	Unit	Unit Cost	Total Cost
Conduit, Wire, misc material - See Extension Report					\$ 358.02
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total					\$ 358.02
Sub-Contractor Proposals		Description of Work			Total Cost
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total		(Attach Sub-Contractor Proposals)			\$ -

	A	B	C	D	E	F	G	H
1	Item Name	Quantity	Material	Labor				
2	Combined		<u>\$358.02</u>	<u>9.01</u>				
3	12 THHN CU STRANDED	459.35	\$65.24	2.30				
4	1/2 EMT CONDUIT	106.51	\$79.13	2.65				
5	1/2 EMT CONN S/S	10.65	\$2.92	0.54				
6	1/2 EMT COUP S/S	10.65	\$3.87	0.40				
7	1/2 EMT 1 HOLE STP/STL	13.31	\$1.81	0.50				
8	10 X 1-1/2 COMB PAN HD TAP SCR	13.31	\$0.36	0.00				
9	1/4 FLAT STEEL WASHER	13.31	\$10.98	0.00				
10	1/4" X 1 3/4 STUD ANCHOR	4.00	\$1.18	0.40				
11	1 1/2 KINDORF-B905	2.00	\$16.15	0.13				
12	1/2 FLEX STEEL	3.00	\$2.83	0.08				
13	1/2 FLEX SQZ CONN DIE CAST	1.00	\$2.32	0.08				
14	1/2 FLEX 90 CLAMP DIE CAST CONN	1.00	\$3.64	0.11				
15	12 GA TERMINATION	1.00	\$0.00	0.13				
16	O/B ORANGE/BBLUE 3M WIRE NUT	2.00	\$0.18	0.08				
17	30A 600V 3PH N1 NF SW	1.00	\$167.40	1.63				
18			<u>\$358.02</u>	<u>9.01</u>				



KRAUS-ANDERSON®
Construction Company

501 South Eighth Street
Minneapolis, MN 55404

Request For Proposal

Project:	2210103- Cottage Grove Glacial Valley Park 9900 Ravine Parkway South Cottage Grove, MN 55016	PCO #:	11
		Date:	07/13/2023

To: Matt Harder, Kraus-Anderson Construction Company
Jennifer Levitt, City Of Cottage Grove
Zac Dockter, City Of Cottage Grove
Jed Kittleson, American Structural Metals, Inc.
TJ Rokke, Architectural Sales Of Minnesota, Inc.
Amy Van Stippen, LaForce, LLC
Nicole Bolssen, LaForce, LLC
Eugene Hollister, Lake Area Roofing & Construction, Inc.
Dan Mycka, Modern Piping, Inc.
Eric Halvorson, NOVA Fire Protection, Inc.
Griffin Rahm, NOVA Fire Protection, Inc.
Nick Evans, NOVA Fire Protection, Inc.
Jerry Domino, S & J Glass, Inc.
Brodey Domino, S & J Glass, Inc.
Chris Keller, Steenberg-Watrud Construction, LLC
Matthew Rivera, Vinco Inc.
Juan Munoz, Vinco Inc.
Brad Feyereisen, Wasche Commercial Finishes, Inc.
Adam (PM) Mueller, Renovation Systems, Inc.
Jacob Wollensak, Wold Architects & Engineers
Michael Stephens, Wold Architects & Engineers
Allison Timmins, Wold Architects & Engineers
Steven Coddington, Park Construction Company
Jake Stolquist, Ebert Construction
Andy Lipe, Doorco, Inc.
Janelle Bittmann, Wild Cat Cleaning Services, LLC
Christian Goldman, Commercial Drywall, Inc.

Please provide a cost breakdown in accordance with the Contract Documents and a Summary for the Change described herein and on the attachments (if any) listed. All responses are required within seven (7) days.

This is not an authorization to proceed with the work described herein unless and until approved by the Owner. On approval, this change will be included in a Change Order, which will provide the formal Contract Change.

DESCRIPTION OF PROPOSAL:

Attachments: Wold PR #4 dated 7/12/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____

Please provide a cost estimate per the attached Wold Architects and Engineers PR #04 dated July 12, 2023 regarding mechanical layout revisions.

Attachments: Wold PR #4 dated 7/12/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____



PROPOSAL REQUEST

City of Cottage Grove	Glacial Valley Park Building
Kraus-Anderson	Attn: Dan Kjellberg/Rachel Struckman
501 South Eighth Street	
Minneapolis, MN 55404	
612.332.7281	
dan.kjellberg@krausanderson.com / rachel.struckman@krausanderson.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change. COST EXPECTATIONS: ☐ DEDUCT ☐ NO COST ☒ ADD	PR: 04
	Comm: 222064
	Const. Pkg: [Status]

Distribution:

☐ Adam Moshier, CG
☐ Zac Dockter, CG
☒ Dustin Phillips, KA
☒ Jake Wollensak, Wold
☒ Tom Clark, Wold
☒ Michael Stephens, Wold
☒ Allison Timmins, Wold
☒ Pat Jansen, Wold
☒ Angel Gonzalez, Wold
☒ Sean McNamara, Wold
☒ Derek Peterson, Wold
☐ Linda Peters, BKBM
☐ Drew Luebke, BKBM
☐ Jay Pomeroy, BMI
☐ Jeff Toutant, BMI

Item	Description
4	Mechanical Layout Revisions
4.1	See revised sheet M1.0 for updated west roof drain locations as per RFI#019; west roof drain has been shifted further east since RFI response to avoid conflict with structure. For updated VTR location. And for updated Storm Drain sizes as per RFI#013
4.2	See revised sheet M2.0 for updated FC 1,2,3,4 locations. For the addition of Condensate Pump (P-11) and its location and pipe connections.
4.3	See revised sheet M3.0 for updated duct routes. For the removal of the Louver in the mechanical room. For the addition of Intake Hood and their locations. For the new location of Exhaust Fan-1 and 2. For the new location of Relief Hood and the addition of a Drip Pan.
4.4	See revised sheet M4.0 for updated west roof drain locations as per RFI#019. For updated VTR, Exhaust Fan-1, Exhaust Fan-2, Boiler Intake and Exhaust Vent, Water Heater Intake and Exhaust Vent, and Relief Hood location. For the addition of Intake Hood and their locations. And for removing the thermostats from the roof.
4.5	See revised sheet M6.2 for updated Gravity Relief Hood Detail Also, for the addition the Gravity Hood Intake Detail. Provide with Damper actuators accessible from inside the hood. Framing for new roof openings to follow structural detail 13/S3.101.
4.6	See revised sheet M6.4 for updated Pump Schedule.

Wold Architects and Engineers
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

**PLANNERS
ARCHITECTS
ENGINEERS**



PROPOSAL REQUEST

PR: 04
Comm: 222064
Const. Pkg: [Status]
Page 2

Item	Description
	For updated Intake and Relief Hood Schedule.
4.7	See revised sheet E1.00 for the addition of the Condensate Pump (P-11) and its location.
4.8	See sheet E1.00 for revisions to lighting in Toilet 106.
4.9	Refer to sheet A2.001 for revisions to ceiling heights, ceiling transitions, and diffuser locations.
4.10	Refer to sheet A2.001 for lighting reductions and modified access panel in Toilet 106. Added Access panel (AP #3) shall be ceiling mounted 48" x 64" double door with cam latch per the attached drawing from Nystrom or equal.
4.11	Refer to revised architectural drawings for added wall type to maintain rating between Toilet 106 and Mechanical 105.
4.12	Refer to revised architectural drawings for deletion of louver L2 and subsequent alterations to exterior wall sections and exterior elevations.
4.13	Refer to revised roof plan on sheet A2.095 to modifications to roof drains, vents, exhaust fans, and roof hoods per mechanical revisions.

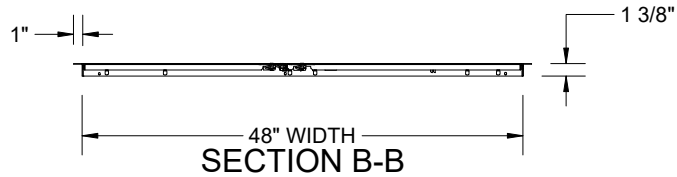
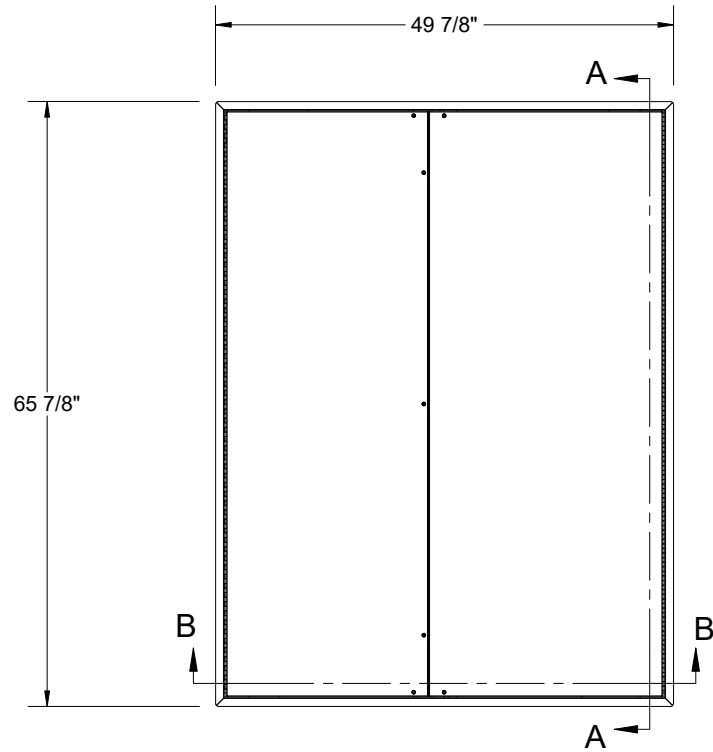
Attachments: A2.001, A2.095, A2.901, A4.101, A4.701, A5.101, A5.201, M1.0, M2.0, M3.0, M4.0, M6.2, M6.4, E1.0

Issued By: Michael Stephens

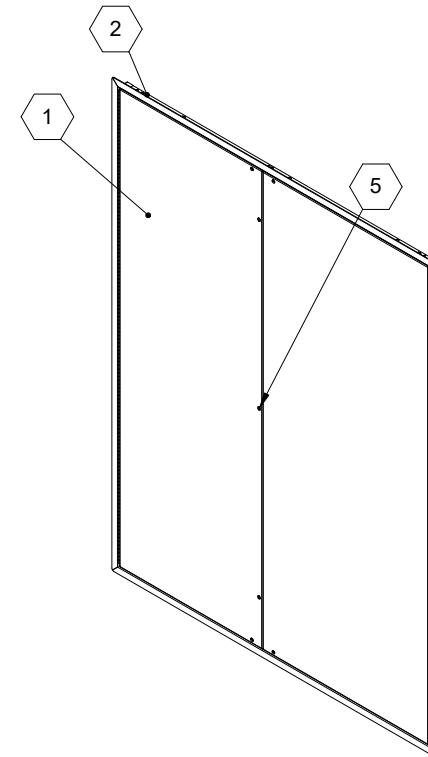
Date: 07/12/2023

Wold Architects and Engineers
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

**PLANNERS
ARCHITECTS
ENGINEERS**



SECTION A-A

**SPECIFICATIONS:**

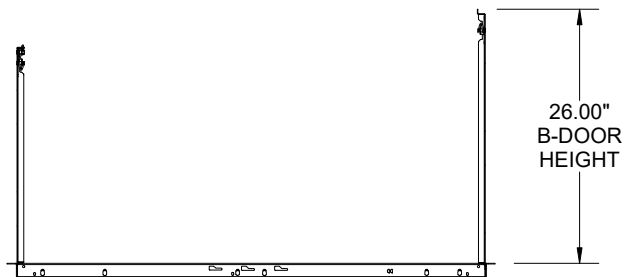
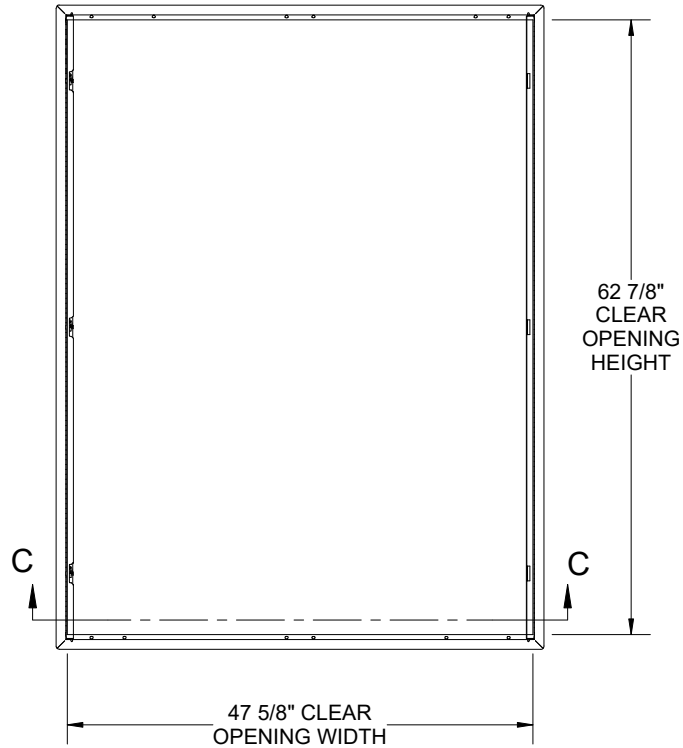
- ① **DOOR:** Galv 16 Ga
- ② **FRAME:** Steel 16 Ga, 1" Flange
- ③ **FINISH:** White Pwd
- ④ **HINGE:** Flush Continuous Hinge
- ⑤ **LATCH:** Screwdriver Cam

ROUGH OPENING: 48.25" x 64.25"
CLEAR OPENING: 46.31" x 62.88"
DEGREE OF OPENING: 125°

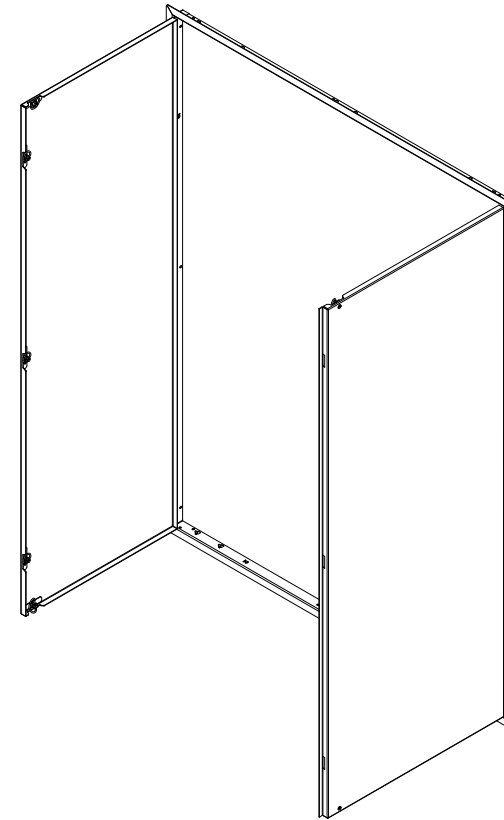
PROJECT:					
ARCHITECT:					
CONTRACTOR:					
QTY:					
PART#:				NTC4864D	
 9300 73rd Avenue North Minneapolis, MN 55428				TITLE: Access Door, Non-rated, 48x48, Double Door, Steel, White Pwd, Flush Dr, Drywall, ScrDvr Cam, Conc Cont Hgn,	
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DWO	5/16/23	A	Nystrom AD NTC4864D ShpDr	
RELEASED	DWO	5/16/23	WEIGHT: 74.1	SHEET 1 OF 2	

B

A



1/4" MOUNTING HOLE



B

A

PART#:			NTC4864D		
 9300 73rd Avenue North Minneapolis, MN 55428			TITLE: Access Door, Non-rated, 48x48, Double Door, Steel, White Pwd, Flush Dr, Drywall, ScrDvr Cam, Conc Cont Hgn,		
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DWO	5/16/23	A	Nystrom AD NTC4864D ShpDr	
RELEASED	DWO	5/16/23	WEIGHT: 74.1		SHEET 2 OF 2

MN

DOOR / OPENING SCHEDULE													
DOOR NO	TYPE	DOOR / OPENING		MNTL	LABEL/ RATING	OVERALL WIDTH	FRAME		GL	MOUNTING CONDITIONS			REMARKS
		QTY	WIDTH/HEIGHT				DEPTH	MNTL		HEAD	JAMB	SILL	
100A	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 01 1, 2
100B	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 3	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 03 1, 2
102A	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 01 1, 2
102B	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 5	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 03 1, 2
103	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	06
104	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	06
105	F	1	3'-0" 7'-2"	WD	45 MIN	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	10 1
106	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801	E7/A4.801	06
107A	FG	1	3'-6" 7'-10"	WD	--	7'-4"	FR 3A	8 3/8"	HM	--	B5/A4.801	C5/A4.801	12 1
107B	AL	1	3'-0" 7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 02 1
108A	F	1	3'-0" 7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	11 1
108B	F	1	3'-0" 7'-10"	HM	--	3'-4"	FR 1	11 3/4"	HM	--	C3/A5.602	E3/A5.602	04 1
108C	OH	1	10'-0" 8'-0"	ST	--	10'-4"	OH	--	HM	--	C3/A5.601	E3/A5.601	09 1
109	F	1	3'-0" 7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	07
110A	FG	1	3'-6" 7'-10"	WD	--	7'-4"	FR 3A	8 3/8"	HM	--	B5/A4.801	C5/A4.801	12 1
110B	AL	1	3'-0" 7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 02 1
111A	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	08 1
111B	F	1	3'-0" 8'-0"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	09 1
111C	F	2	3'-0" 8'-7 1/4"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--	D3/A4.705	--	05 3
112	F	2	3'-0" 8'-7 1/4"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--	D3/A4.705	--	05 3
SF8	AL	1	12'-0" 7'-0"	AL	--	12'-0"	FOLDING GLASS DOOR	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 13 4

DOOR SCHEDULE GENERAL NOTES

- ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
- FOR FRAME DEPTH, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED.
GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
MASONRY PARTITIONS:
4" WALL: 3 3/4" FRAME
6" WALL: 5 3/4" FRAME
8" AND GREATER WALL: 7 3/4" FRAME
FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME/DOOR TYPES (DETAIL SECTION 51000) FOR CORRESPONDING ACTUAL DIMENSIONS.
- FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
INTERIOR NON RATED:
CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
INTERIOR AND EXTERIOR RATED:
FIRE RATED
EXTERIOR NON-RATED:
CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
- SEE SHEET A2.801 FOR FRAME TYPES.
- SEE SHEET A2.801 FOR DOOR TYPES.
- AT DOOR SCHEDULE, LABEL DESIGNATION "4520" INDICATES:
FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES. THE FRAME AND ADJACENT SIDE(LITE)S GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES.

DOOR SCHEDULE REMARKS

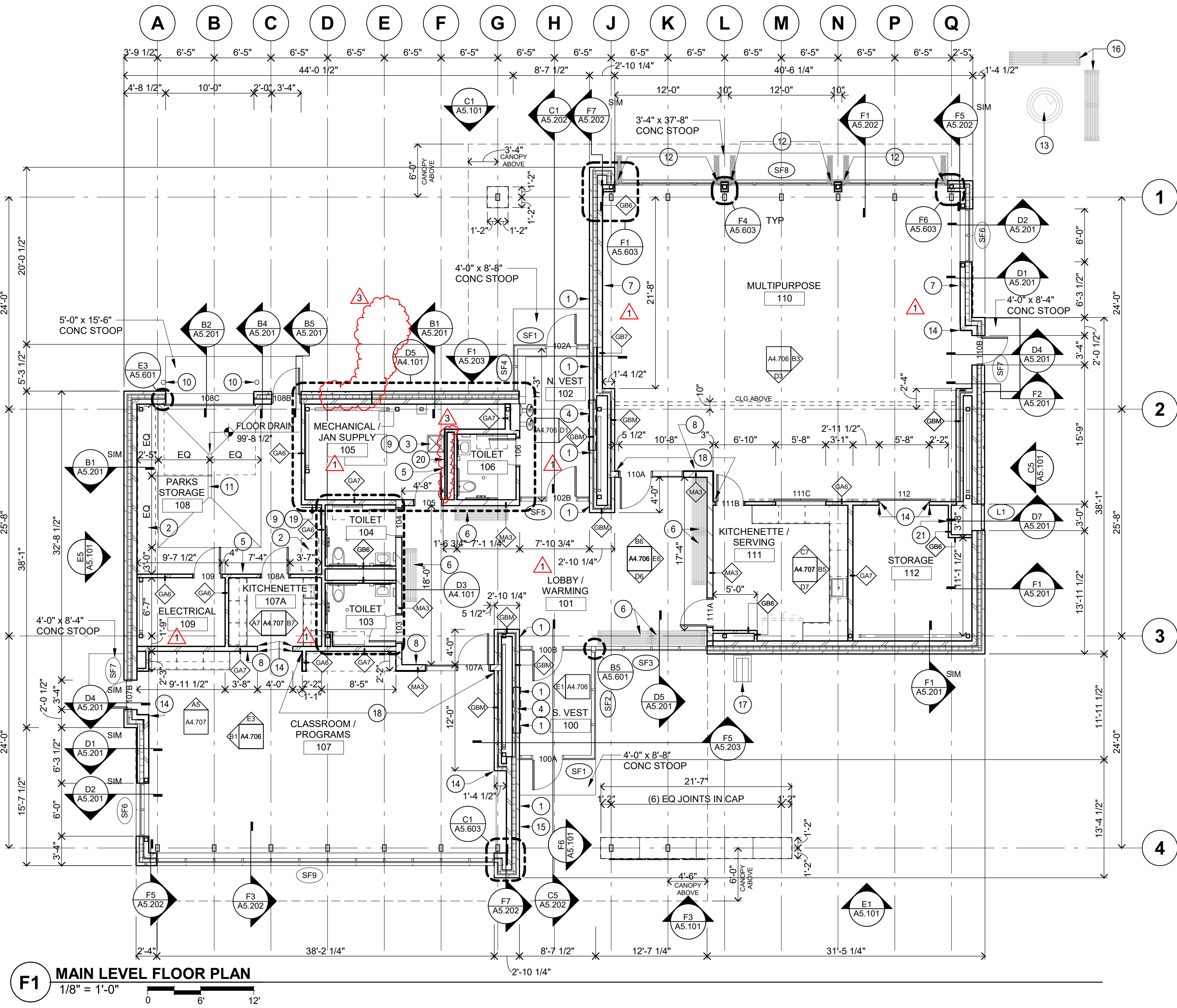
- CARD READER, SEE HARDWARE SPECIFICATIONS AND ELECTRICAL DRAWINGS.
- HANDICAP ACTUATORS (AT TWO EXTERIOR VESTIBULE DOORS).
- 9"5" OPENINGS FOR SLIDING BARN DOOR ASSEMBLIES.
- TOTAL QTY THREE (3) FOLDING GLASS DOORS - SEE STORE FRONT TYPES ELEVATIONS FOR ADDITIONAL INFORMATION.

PLAN GENERAL NOTES

- ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL. SEE WALL TYPES FOR ACTUAL THICKNESS.
- ALL GYP. WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
- ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
- COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
- FIELD VERIFY ALL MILLWORK OPENINGS.
- SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
- VERIFY LOCATION, SIZE AND QUANTITY OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT PADS.
- ALL DOORS/SLIDE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
- ALL GYP. WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
- FIRE RATED WALLS ARE INDICATED ON CODE PLANS.
- REFER TO DETAIL A7/A4.705 FOR TYPICAL JOINT TREATMENT BETWEEN GYPSUM BOARD AND MASONRY ASSEMBLIES.
- REFER TO SHEET A4.705 FOR TYPICAL SLAB ON GRADE VAPOR BARRIER DETAILS.

FLOOR PLAN KEY NOTES:

- DOOR ACTUATORS.
- INDUSTRIAL SHELVING, NIC.
- MOP SINK - SEE MECHANICAL.
- CABINET UNIT HEATER, SEE DETAIL B3/A4.705. SEE MECH. FOR SPECIFICATIONS, COORDINATE LOCATION WITH MECH.
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
- INTERIOR WOOD BENCH, SEE SPECIFICATION 12 67 00.
- PROVIDE IN-WALL BACKING AS REQUIRED FOR WALL-MOUNTED AV EQUIPMENT.
- PROVIDE RECESSED CABINET AND FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
- FRP 8'-0" AFF AND EXTENDING 2'-0" TO EACH SIDE OF MOP SINK/HOSE BIB U.N.O.; SEE SPECIFICATION 06 83 16.
- BOLLARD, SEE DETAIL C6/A6.001
- TRENCH DRAIN, SEE MECHANICAL.
- FOLDING GLASS DOOR SYSTEM.
- MANUFACTURED FIREPLACE; SEE CIVIL.
- CORNER GUARDS, TYP.; SEE SPECIFICATIONS.
- RECESSED FIRE DEPARTMENT KEYPAD LOCK BOX.
- EXTERIOR BENCH; SEE CIVIL.
- CONCRETE SPLASH BLOCK. SEE DETAIL B6/A6.001
- THERMALLY MODIFIED WOOD SIDING; SEE SPECIFICATIONS AND ELEVATION.
- HOSE BIB, SEE MECHANICAL.
- EMERGENCY EYEWASH, SEE MECHANICAL.
- AP #1: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.



F1 MAIN LEVEL FLOOR PLAN
1/8" = 1'-0"

ROOM FINISH SCHEDULE													
ROOM NO	ROOM NAME	FLOOR	BASE	N WALL - TYP		E WALL		S WALL		W WALL		REMARKS	
				MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN		
100	S. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	STONE VENEER	7	
101	LOBBY / WARMING	P TILE-1	VB-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	1, 2, 3, 7	
102	N. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	PT-6A	2	
103	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8	
104	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8	
105	MECHANICAL / JAN SUPPLY	S CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A		
106	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	2, 7, 8	
107	CLASSROOM / PROGRAMS	P TILE-1	VB-1	GYP BD	PT-6A	MASONRY	STONE VENEER	--	--	MASONRY	STONE VENEER	1, 3, 4, 5	
107A	KITCHENETTE	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	4	
108	PARKS STORAGE	S CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	6	
109	ELECTRICAL	S CONC.	--	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A		
110	MULTIPURPOSE	CPT-1	VB-1	--	--	MASONRY	STONE VENEER	GYP BD	PT-6A	MASONRY	STONE VENEER	1, 3, 5	
111	KITCHENETTE / SERVING	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	B. BLOCK	4	
112	STORAGE	CPT-1	VB-1	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	PT-6A	GYP BD	PT-6A		

ROOM FINISH SCHEDULE GENERAL NOTES

- SEE DETAILS OF CONSTRUCTION FOR ABBREVIATIONS
- IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N" WALL-TYP" COLUMN WILL BE USED.
- DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
- ON WALLS WHICH ARE COVERED WITH MILLWORK AND TACK SURFACES, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND EXCEPT FOR LOCATIONS WHICH MAY BE EXPOSED (I.E. SPACE BETWEEN MILLWORK AND TACK SURFACE). CONCRETE BLOCK BEHIND MILLWORK AND MARKERSHARDS TO BE TOOLED.
- REFER TO MATERIAL FINISH COLOR SCHEDULE FOR SPECIFIC FINISH TYPES AND COLORS.
- FOR CEILING MATERIAL WHEN MORE THAN ONE CEILING MATERIAL OCCURS THE CEILING FINISH IS INDICATED THUS: "7".

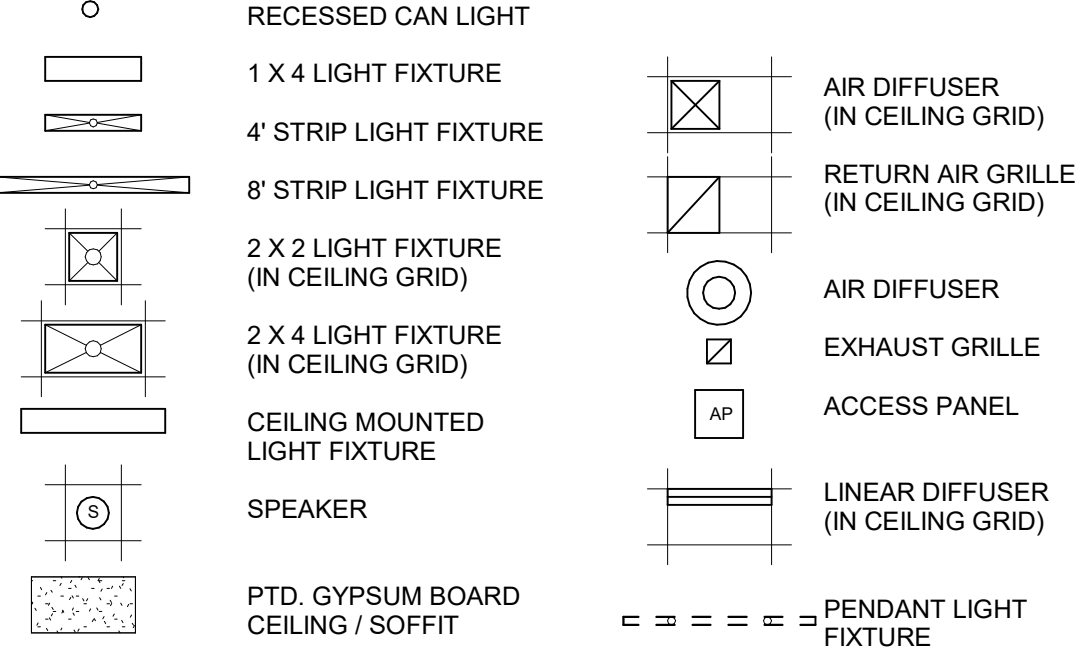
ROOM FINISH SCHEDULE REMARKS

- SEE INTERIOR ELEVATIONS FOR LOCATIONS OF BURNISHED BLOCK, PAINTED BLOCK, STONE, PAINT, AND VINYL BASE.
- PROVIDE REMOVABLE RESILIENT ATHLETIC FLOORING (RAF-1) INSTALLED OVER PERMANENT P-TILE FLOORING.
- PAINT CEILING AND ALL EXPOSED STRUCTURE (NOT INCLUDING GULL-LAM WOOD STRUCTURE), PIPES, CONDUIT, MECHANICAL, DUCTS AND VENTS.
- PROVIDE VINYL BASE AT CASEWORK.
- SEE INTERIOR ELEVATIONS SHEET A4.706 FOR GWP REVEAL LOCATIONS.
- SLOPE CONC. FLOOR TOWARDS TRENCH DRAIN. SEE PLANS FOR FLOOR SLOPING INFORMATION.
- BASE CONDITION VARIES FROM WALL TO WALL - REFER TO INTERIOR ELEVATIONS.
- PROVIDE EPOXY PT THROUGHOUT ROOM IN ALL LOCATIONS SCHEDULED FOR PT.

RCP KEY NOTES:

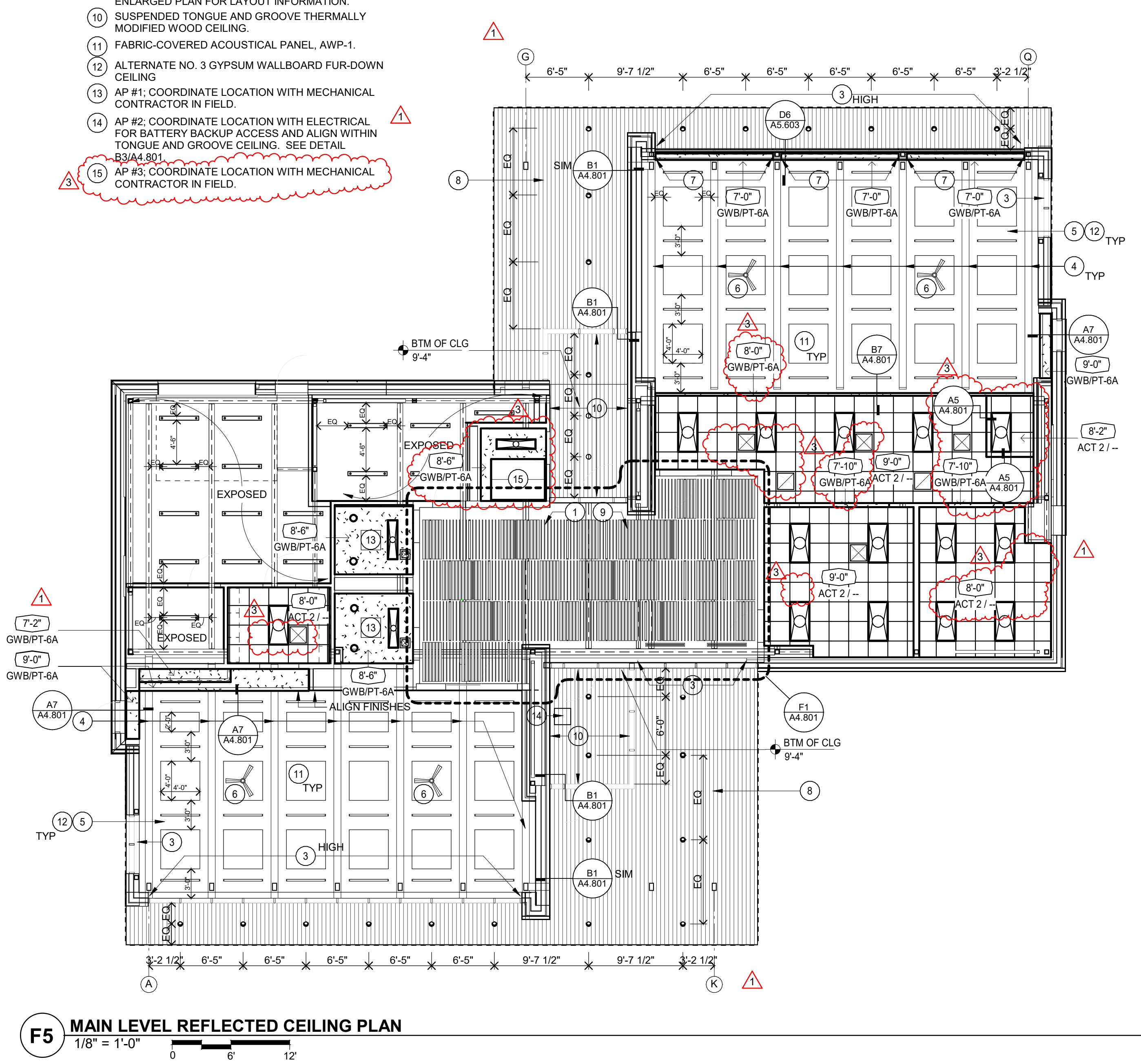
- PAINT ALL EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL AND WALLS ABOVE 9'-4" PT-8. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.
- INTERIOR MANUAL ROLLER SHADES.
- STAINED AND SEALED STRUCTURAL GLUE-LAMINATED BEAMS.
- PAINT EXPOSED METAL ROOF DECK, MECHANICAL AND ELECTRICAL PT-8. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- SUSPENDED CEILING FAN - SEE MECH.
- EXTERIOR MOTORIZED RETRACTABLE SCREENS (LOW).
- THERMALLY MODIFIED WOOD SLOPING EXTERIOR RAINSCREEN SOFFIT
- SUSPENDED WOOD PLANK AND GRILLE CEILING, 1" X 4" NOMINAL WOOD DIMENSIONS. REFER TO ENLARGED PLAN FOR LAYOUT INFORMATION.
- SUSPENDED TONGUE AND GROOVE THERMALLY MODIFIED WOOD CEILING.
- FABRIC-COVERED ACOUSTICAL PANEL, AWP-1.
- ALTERNATE NO. 3 GYPSUM WALLBOARD FUR-DOWN CEILING
- AP #1: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.
- AP #2: COORDINATE LOCATION WITH ELECTRICAL FOR BATTERY BACKUP ACCESS AND ALIGN WITH TONGUE AND GROOVE CEILING. SEE DETAIL B3/A4.801
- AP #3: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.

RCP LEGEND



RCP GENERAL NOTES

- FOR WALLS THAT PENETRATE CEILINGS SEE WALL TYPES SHOWN ON THE FLOOR PLAN.
- SPRINKLER HEADS ARE NOT SHOWN. LOCATE ALL SPRINKLER HEADS IN THE CENTER OF CEILING TILES.
- FOR DIFFUSER AND RETURN GRILLE SIZES, SEE MECHANICAL PLANS.
- FOR LIGHT FIXTURE TYPES, SEE ELECTRICAL LIGHTING PLANS.
- CEILING HEIGHTS INDICATED ON PLAN (E.G. 9'-0") ARE FROM FINISHED FLOOR OF LEVEL OF PLAN SHOWN OR INDICATED AS 105'-0".
- ACOUSTICAL TILE CEILING GRID IS TO BE CENTERED IN RECTANGULAR ROOM OR CENTERED BETWEEN LONGEST WALLS OF IRREGULARLY SHAPED ROOMS UNLESS OTHERWISE NOTED.
- VERIFY GWP CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.



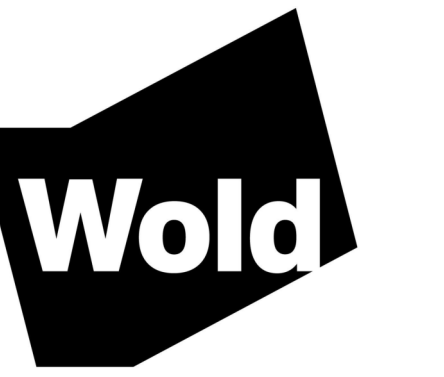
F5 MAIN LEVEL REFLECTED CEILING PLAN
1/8" = 1'-0"

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
12800 RAVINE PARKWAY S
COTTAGE GROVE, MN 55016



WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651.227.7773

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed

ARCHITECT
under the laws of the State of
Minnesota
John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	
	Date	Num
Addendum #1	11/28/2022	1
PR002	04/10/2023	2
PR004	07/12/2023	3

Comm: 222064
Date: 11/08/2022
Drawn: MJJS/AMTC
Check: JJW/JM
North

MAIN LEVEL FLOOR PLAN AND REFLECTED CEILING PLAN

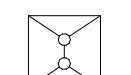
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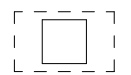
ROOF PLAN GENERAL NOTES

1. TAPERED ROOF INSULATION AND CRICKETS SHALL SLOPE AT 1/4" PER 1'-0". THE MINIMUM R-VALUE OF ROOF INSULATION SHALL BE INSTALLED ENTIRELY ABOVE ROOF DECKING BE R-30 or d.
2. SHOP DRAWING DESIGN AND INSTALLATION OF TAPERED INSULATION MUST ACCOUNT FOR DRAINAGE IN STRUCTURE TO INSURE THAT THE ROOF DRAINS AS DESIGNED.
3. AT MECH. OPENINGS AND CURBS ON ROOF, PROVIDE CRICKETS AS REQUIRED FOR POSITIVE DRAINAGE OR PROVIDE CRICKETS IN FREE-STANDING CURBS AS AN ALTERNATIVE.
4. MECHANICAL ITEM LOCATIONS ARE SHOWN FOR REFERENCE ONLY. REQUIREMENT FOR THE EXTENT OF MECH. EQUIP. AND SIZE AND LOCATION OF ALL ROOF PENETRATIONS.
5. ALL MECHANICAL AND ELECTRICAL ROOF EQUIPMENT PIPING, RIGGING, ETC. TO BE PAINTED.
6. COORDINATE ROOF AND OVERFLOW DRAIN LOCATIONS WITH STRUCTURAL COMPONENTS TO AVOID LOCATING ROOF OR OVERFLOW DRAINS OVER TOP OF BEAMS OR JOISTS.
7. REFER TO EXTERIOR ELEVATIONS FOR LOCATION OF OVERFLOW SCUPPERS AND OUTFLOWS.
8. CONTRACTOR TO FURNISH AND INSTALL SLP SHEET PILING AND ROOF MAY BE REQUIRED TO PROVIDE POINTS OF CONTACT BETWEEN PVP RACKING AND ROOF.

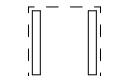
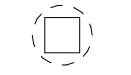
ROOF LEGEND



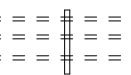
ROOF DRAIN (R.D.)
OVERFLOW DRAIN (O.R.D.)



MECH HOOD

EQUIPMENT CURB AT
MECHANICAL EQUIPMENT

ROOF EXHAUST



EQUIPMENT CURB SUPPORTING
PIPING OR CONDUIT. INSTALL
MAXIMUM SPACING OF 6'-0" O.C.



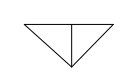
VENT STACK, PIPE OR CONDUIT



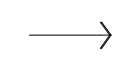
COMBUSTION STACK



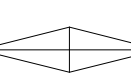
SKYLIGHT



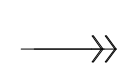
CRICKET FOR POSITIVE DRAINAGE



SLOPE OF TAPERED INSULATION



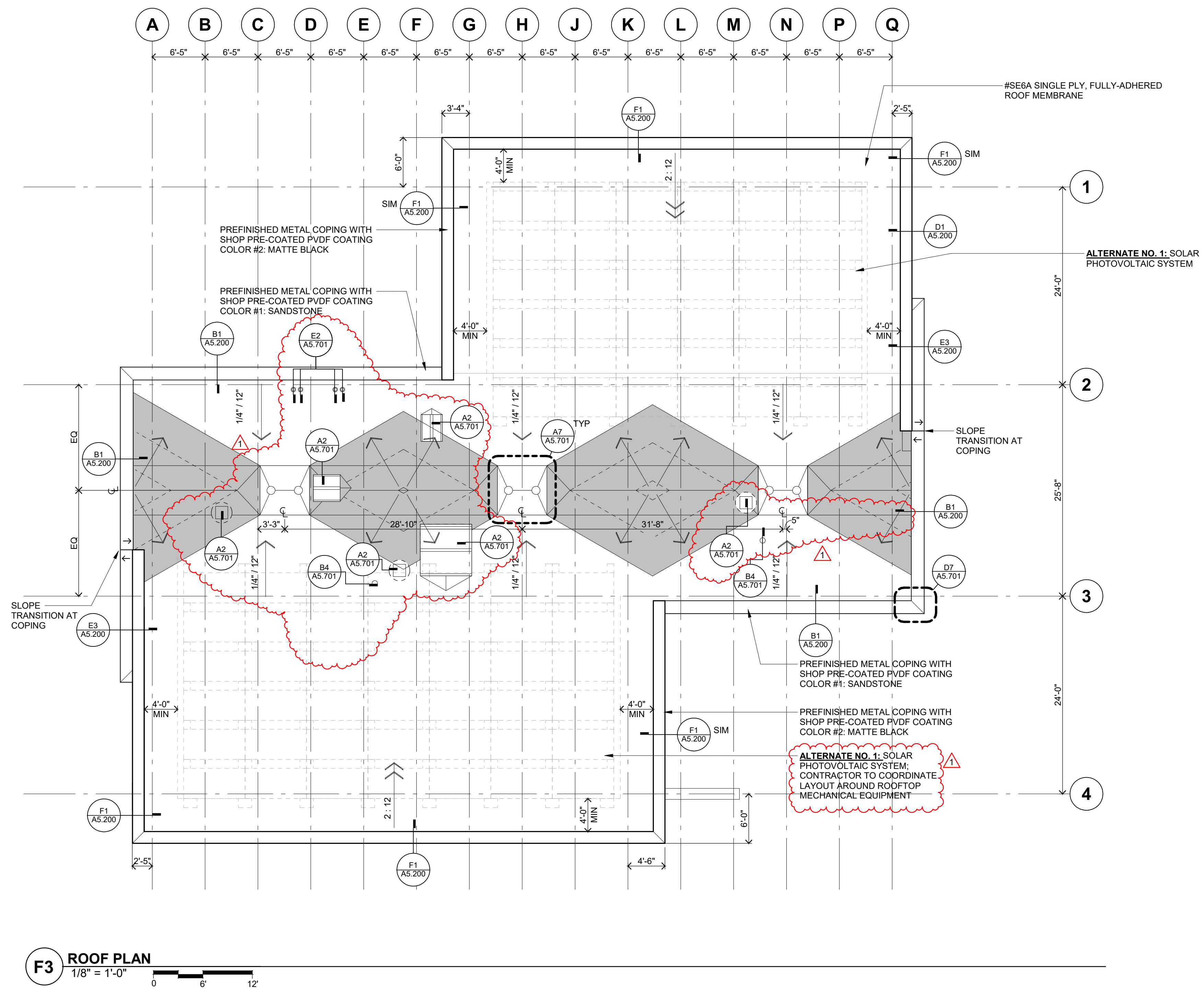
DIAMOND CRICKET (SEE TYPICAL
DETAIL)



SLOPED STRUCTURE



ROOF LADDER



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed

under the laws of the State of **Minnesota**



John McNamara

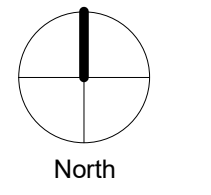
License Number: **24281** Date **11/08/2022**

[illegible]Comm: 222064

Date: 11/08/2022

Drawn: TC

Check: **JW/JM**

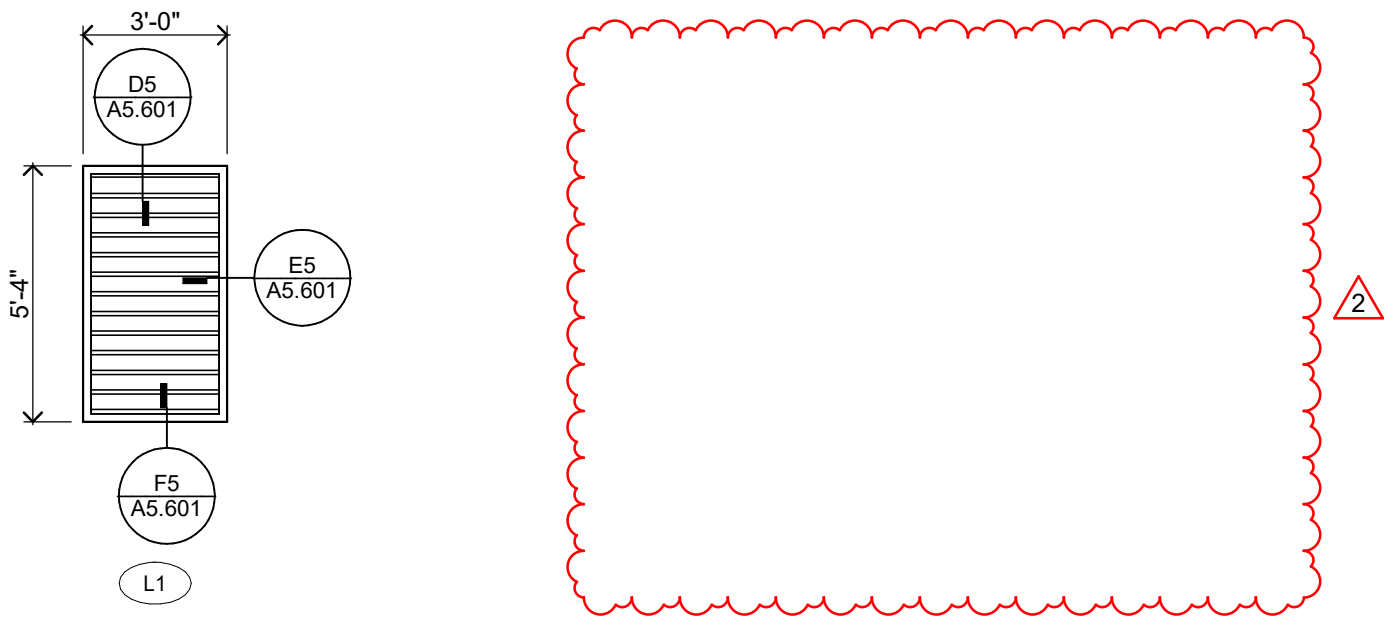
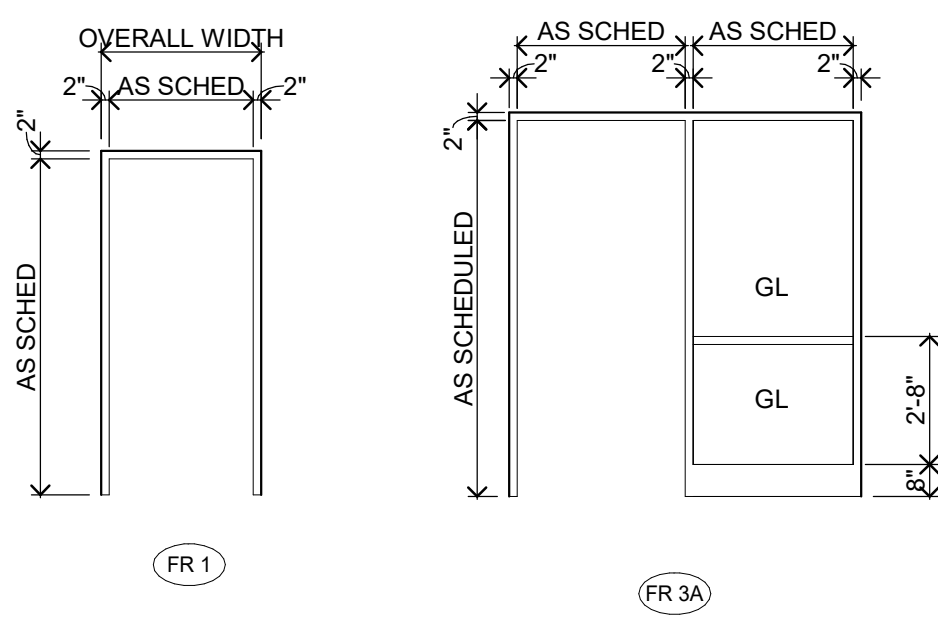
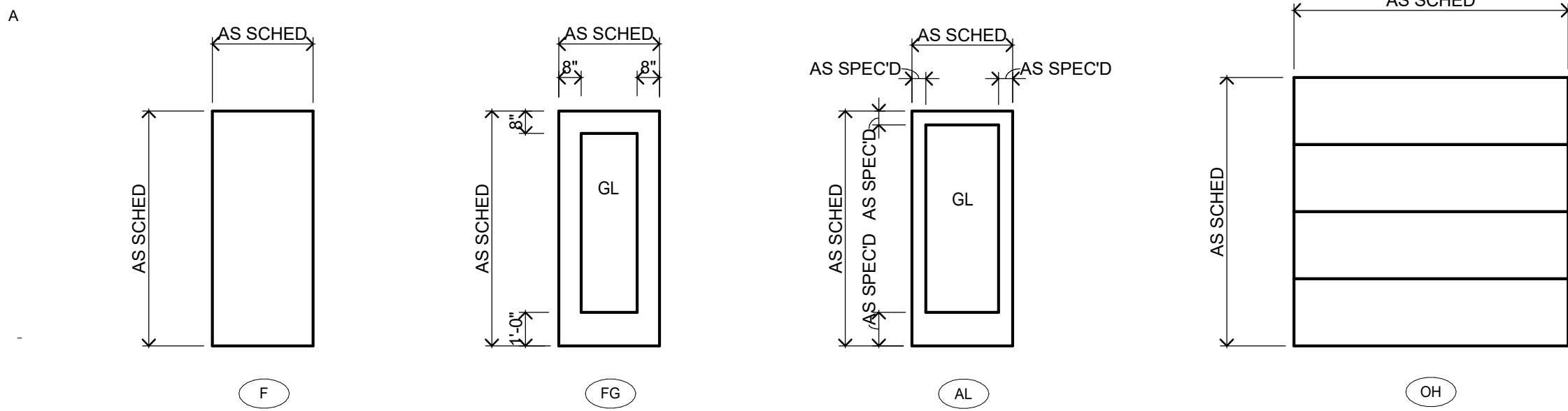


ROOF PLAN

Scale: **As indicated**

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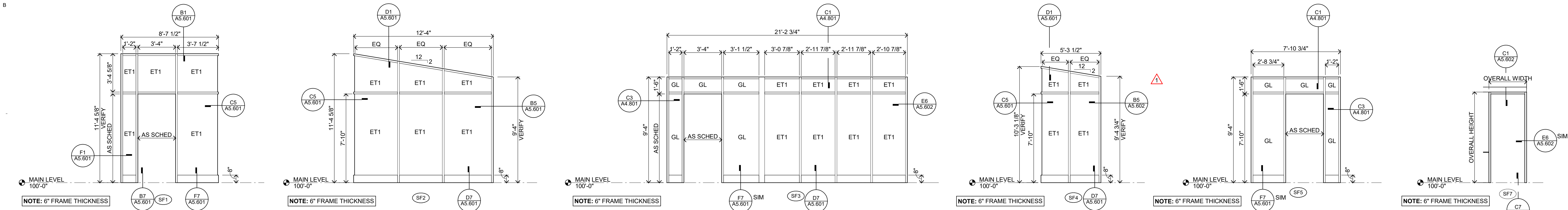
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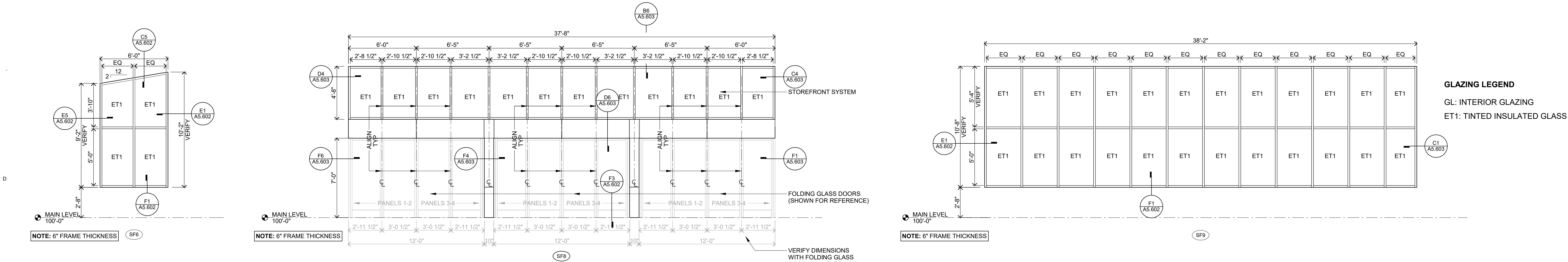
DOOR TYPES

FRAME TYPES

LOUVER TYPES



STOREFRONT TYPE ELEVATIONS



STOREFRONT TYPE ELEVATIONS

GLAZING LEGEND
GL: INTERIOR GLAZING
ET1: TINTED INSULATED GLASS

GLACIAL VALLEY
PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE
GROVE
12800 RAVINE PARKWAY S
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me or under my direct supervision and that I am a duly Licensed

ARCHITECT

under the laws of the State of

Minnesota

John McNamara
John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	
	Date	Num
Addendum #1	11/28/2022	1
PR004	07/12/2023	2

Comm: 222064

Date: 11/08/2022

Drawn: MJS/AM/TC

Check: JWM

DOOR/FRAME/
STOREFRONT
TYPES

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

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Created: John McNamara
Modified: John McNamara

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MN

ABBREVIATIONS

&	AND	FPE	FINISHED FLOOR ELEVATION	RM	ROOM
@	ACROUSTICAL CEILING TILE	FRP	FIBERGLASS REINFORCED PANEL	RTU	ROOF TOP UNIT
ACT	ACCESS FLOORING	G BLK	GLAZED CONCRETE BLOCK	RUB	RUBBER
AF	ACCESS FLOORING	GA	GAUGE	RWL	RAIN WATER LEADER
AFF	ABOVE FINISHED FLOOR	GB	GRAB BAR	SBD	SMART BOARD
ALT #	ALTERNATE NUMBER	GRD BLK	GROUND FACE CONCRETE BLOCK	SCHED	SCHEDULE
ALUM	ALUMINUM	GST	GLAZED STRUCTURAL TILE	SD	SOAP DISPENSER
AP	ACCESS PANEL	GWB	GYPSUM BOARD	SF	SQUARE FOOT (FEET)
AWC	ACROUSTICAL WALL COVERING	HCAP	HANDICAPPED	SF_#	STOREFRONT TYPE
AWF	ACROUSTICAL WALL FABRIC	HM	HOLLOW METAL	SIM	SIMILAR
AWP	ACROUSTICAL WALL PANEL	HT	HOMOGENEOUS TILE	SND	SANITARY NAPKIN DISPENSER
B BLK	BURNISHED CONCRETE BLOCK	ID	INSIDE DIAMETER	SNR	SANITARY NAPKIN RECEPTOR
BLDG	BUILDING	INSUL	INSULATION	SST	STAINLESS STEEL
BO	BOTTOM OF	L_#	LOUVER TYPE	STN	STONE
BRK	BRICK	LAV	LAVATORY	STRUCT	STRUCTURAL
C BLK	CONCRETE BLOCK	LFD	LINEAR FLOOR DRAIN	TBD	TACKBOARD
CG	CORNER GUARD	LNO	LINEOLUM	TEMP	TEMPORARY
CIP	CAST-IN-PLACE	LVT	LUXURY VINYL TILE	TERR	TERRAZZO
CJ	CONTROL JOINT	M/S	MIRROR WITH SHELF	TO	TOP OF
CL	CENTER LINE	MATL	MATERIAL	TPH	TOILET PAPER HOLDER
CLG	CULTURED MARBLE	MAX	MAXIMUM	TWC	TACKLE WALLCOVERING
CM	CONCRETE MASONRY UNIT	MBD	MARKERBOARD	TYT	TYPICAL
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL	UL	UNDERWRITER'S LABORATORY
CONC	CONCRETE	MEF	MOSAIC EPOXY FLOORING	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	MIR	MIRROR	UR	URINAL
CPT	CARPET	MISC	MISCELLANEOUS	USF	URETHANE SLURRY FLOORING
CRF	CHEMICAL RESISTANT FLOORING	NIC	NOT IN CONTRACT	V PLAS	VENEER PLASTER
CT	CERAMIC TILE	NO	NUMBER	VCT	VINYL COMPOSITION TILE
CTP	COUNTERTOP	NSF	NON-SLIP FLOORING	VIF	VERIFY IN FIELD
CU	CABINET UNIT HEATER	NTS	NOT TO SCALE	VTR	VENT THROUGH ROOF
CUN	CURTAIN WALL TYPE	OH	OVERHEAD	VWC	VINYL WALLCOVERING
CW_#	DEMOLITION	P LAM	PLASTIC LAMINATE	VWF	VINYL WALL FABRIC
DF	DRINKING FOUNTAIN	P TILE	PORCELAIN TILE	W_#	WINDOW TYPE
DIA	DIAMETER	PLAS	PLASTER	WID	WATER CLOSET
DN	DOWN	PT	PAINT	WSCOT	WAINSCOT
E PT	EPOXY PAINT	PTD	PAINTED	WWF	WELED WIRE FABRIC
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	PVC	POLYVINYL CHLORIDE		
EXP	EXPANSION JOINT	PWP	PLASTIC (PHENOLIC) WALL PANEL		
EJ	ELECTRICAL	QUARTZ	QUARTZ		
ELEC	ELEVATION	QT	QUARRY TILE		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	R	RADIUS		
EW	ELECTRIC WATER COOLER	RAF	RESILIENT ATHLETIC FLOORING		
EXIST	EXISTING	RCP	REFLECTED CEILING PLAN		
EXP	EXPOSED	ROF	ROOF DRAIN		
FD	FLOOR DRAIN	RES	RESILIENT		
FE	FIRE EXTINGUISHER	RF	RESINOUS FLOORING		
FF&E	FIXTURES	RFT	RUBBER FLOOR TILE		
		RH	RELIEF HOOD		

SYMBOLS

EARTH	EARTH	GRANULAR FILL	SAND
CONCRETE	CONCRETE/PRECAST	TERRAZZO	TOPPING
MASONRY/STONE	BLOCK	BRICK	MORTAR NET
METAL	FERROUS	ALUMINUM	CUT STONE
WOOD	CONSTRUCTION LUMBER	FINISHED	PLYWOOD
INSULATION	BATT	RIGID	SPRAY FOAM
MISCELLANEOUS	EXISTING	EXISTING	DEMOLISHED

SYMBOLS

MISCELLANEOUS

PLASTER	ON METAL LATH	EXPANSION JOINT MATERIAL
METAL STUD	WOOD STUD	MASONRY
BRICK & BLOCK	CAVITY WALL	EXISTING
GLAZED OPENING	CONCRETE/PRECAST	DEMOLISHED

SYMBOLS

SYMBOLS

SECTIONS	DETAIL NO	ELEVATION	REVISIONS
GRIDS	DRAWING NO	ROOM NAME	ROOM NUMBER
ELEVATIONS	INTERIOR	OWNER INFO, AS NEEDED	CEILING HEIGHT
OPENINGS, DEPRESSIONS OR AS NOTED	DETAIL NO	DOOR OR WDW SWING & NO	BORROWED LIGHT
DETAIL REFERENCE	DETAIL NO	EXISTING WALL/DOOR/OTHER	DEMOLISHED WALL/DOOR/OTHER
NOTES, DIMENSIONS & DETAIL KEYS APPLY FROM NOTED DETAIL	NOTES APPLY	HINGE SIDE	WALL TYPES - INTERIOR
MARKERBOARDS, TACKBOARDS, MAP RAILS	LENGTH MATERIAL TYPE	WALL TYPES - EXTERIOR	EXTERIOR WINDOWS
MATCHLINE		STOREFRONT	CURTAIN WALL
		LOUVER	

SYMBOLS

GLACIAL VALLEY PARK BUILDING

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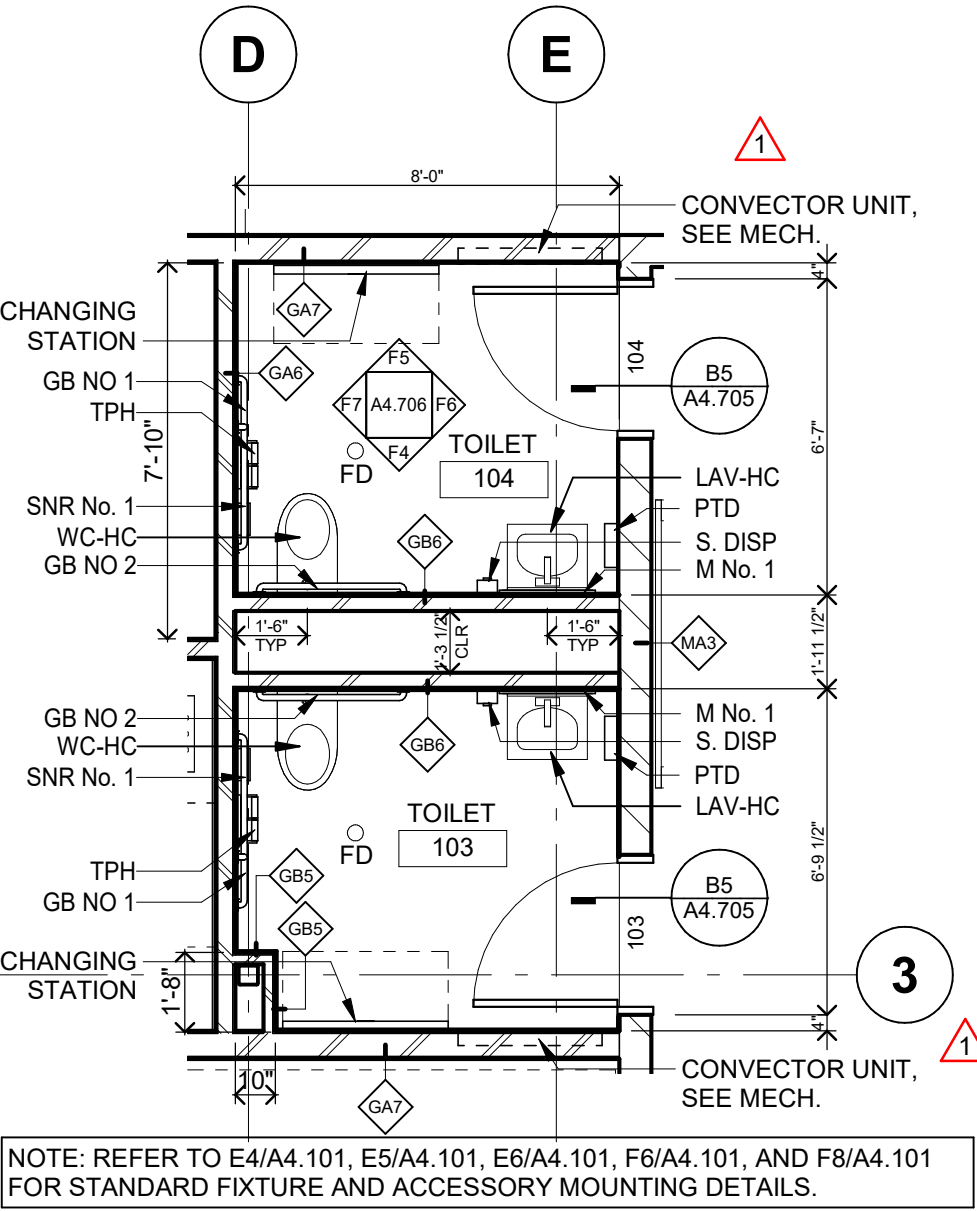


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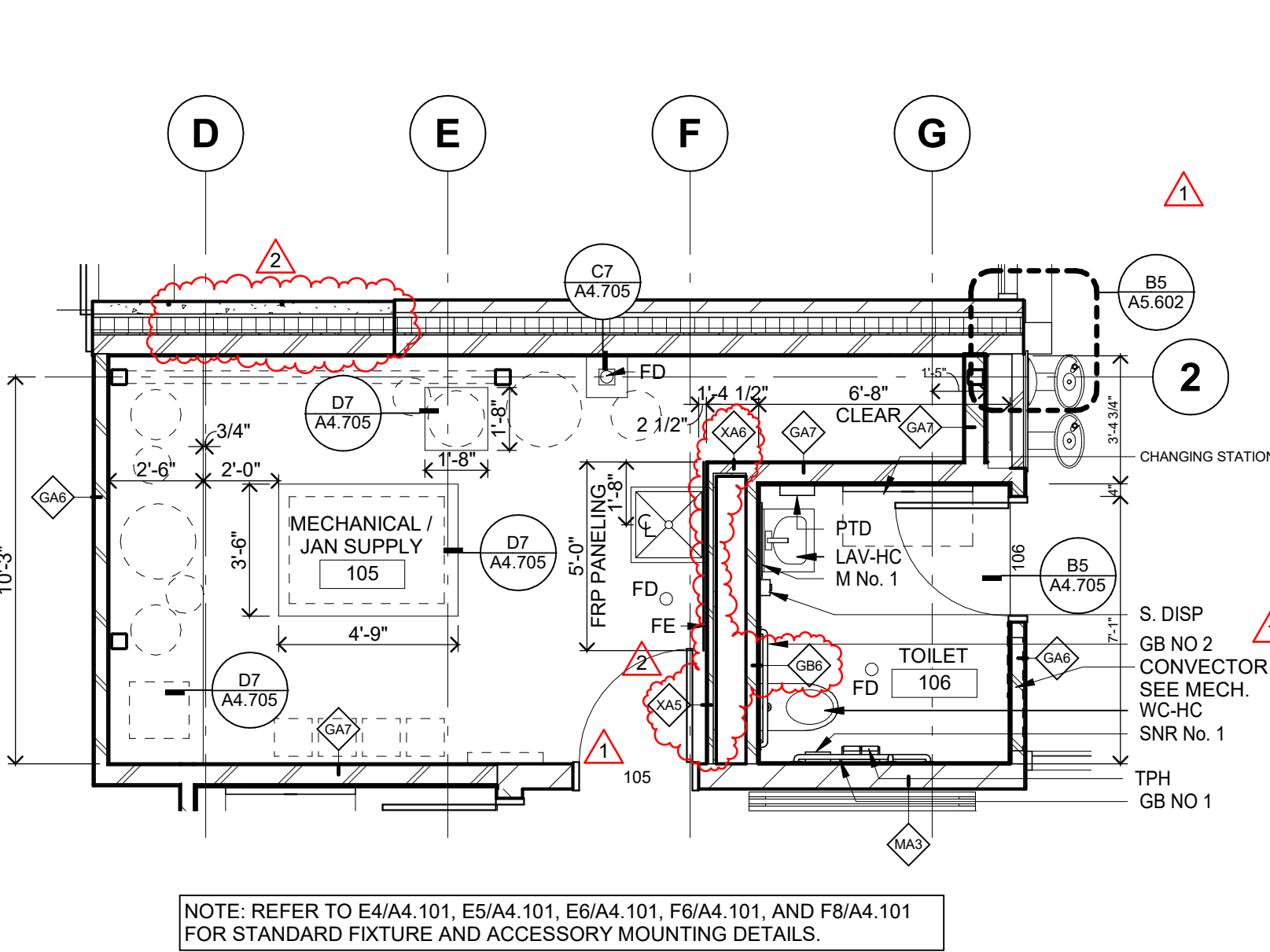
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INTERIOR MATERIAL FINISH/ COLOR SCHEDULE

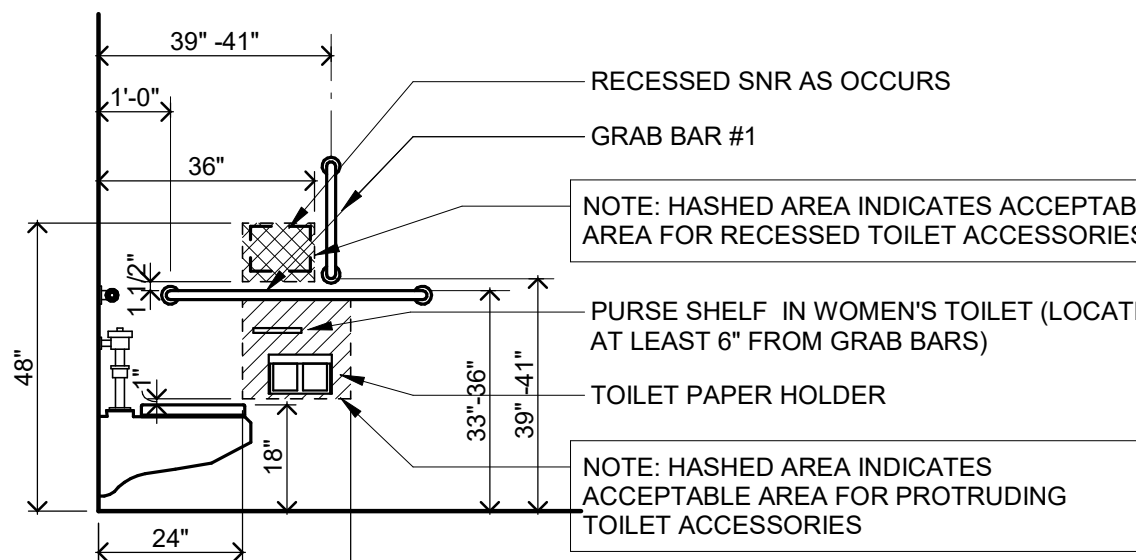
Key	Item	Manufacturer	Color/ Finish
04 20 00	Unit Masonry		
BLK-1	Burnished Block	County Materials	Premier Ultra Burnished; Color: Black Granite (63-290C)
06 65 10	Solid Surface Fabrications		
SSF-1	Solid Surface Fabrications	Corian	Color: Ash Aggregate
06 83 16	Fiber Reinforced Panels		
	Fiber Reinforced Panels	As Specified	Color: White
08 14 00	Wood Doors		
	Prefinished Stained Wood Door	VT Industries	Color: White Oak/ Alpine, AL18
08 36 00	Sectional Metal Overhead Doors		
	Factory Painted Door Panels	As specified	Color: As selected by Architect
08 40 00	Aluminum Entrances, Storefronts, and Curtain Walls		
	Anodized Doors Curtainwalls And Accessories	EFCO	Color: Clear anodized
	Sealant-CW/SSF	As specified	Color: To match sample supplied by Architect
09 30 00	Tile		
P TILE-1	Porcelain Floor Tile	DalTile	Color: Chord Forte Grey CH25 Light Polished
P TILE-2	Porcelain Wall Tile	DalTile	Color: Color Wheel Linear K775 Matte Biscuit
	Grout- Porcelain Floor Tile	Mapei Corporation	Color: 104 Timberwolf
	Grout- Porcelain Wall Tile	Mapei Corporation	Color: 14 Biscuit
09 65 00	Resilient Flooring		
VB-1	Vinyl Base	Johnsonite	Color: 460 Cotton W
09 65 66	Resilient Athletic Flooring		
RAF-1	Resilient Athletic Flooring	Sportfloor Stamina	Color: Black
09 88 00	Carpet		
CPT-1	Carpet	Milliken	Pattern/ Color: Motionscape Rapid/RAP94-79 Swift Two
09 83 13	Acoustic Wall Panels		
AWP-1	Fabric	Carnegie Xonell	Fabric/ Color: Meteor 6427-769
09 91 00	Painting		
PT-1	PT 1-Exterior HM doors and frames	Sherwin Williams	Color: SW 7069 Iron Ore
PT-2	PT 2-Exterior Misc. Metals, Mech. Piping, Equipment	Sherwin Williams	Color: SW 7069 Iron Ore
PT-3	PT 3-Exterior Rooftop Equipment	Sherwin Williams	Color: SW 7069 Iron Ore
PT-4A	PT 4A-Interior HM Frames	Sherwin Williams	Color: SW 7069 Iron Ore
PT-4B	PT 4B-Interior HM Doors	Sherwin Williams	Color: SW 7069 Iron Ore
PT-5	PT 5-Interior Misc. Metals	Sherwin Williams	Color: SW 7069 Iron Ore
PT-6A	PT 6A-Walls	Sherwin Williams	Color: SW 7001 Marshmallow
PT-8	PT 8-Ceilings	Sherwin Williams	Color: SW 7069 Iron Ore
12 24 00	Window Shades		
	Window Shades	SWFcontract	Color: Zenith Ebony Stripe C9506
12 32 16	Plastic Laminate Casework		
PLAM-1	Plastic Laminate	Pionite	Color: Wisconsin Oak W0581-SD
PLAM-2	Plastic Laminate - Accent	Wilsonart	Color: 7997-38 Ebony Recon Fine Velvet Finish
Grand total:	405		



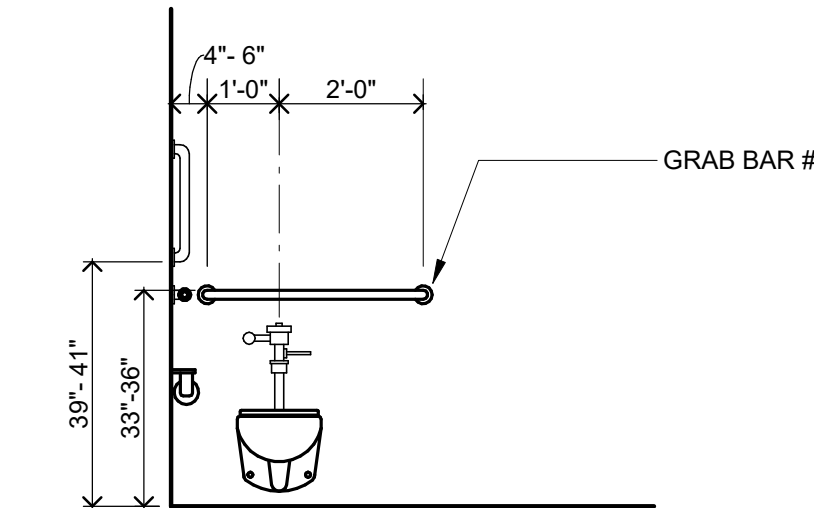
D3 ENLARGED PLANS AT TOILETS 103 AND 104
1/4\"/>



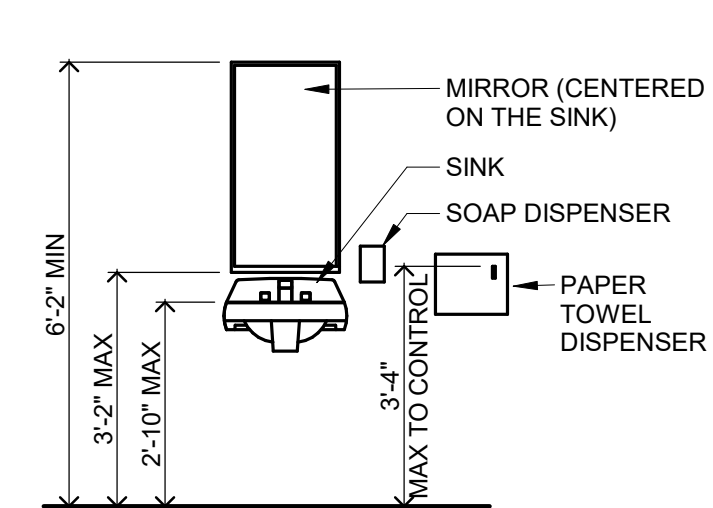
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1/4\"/>



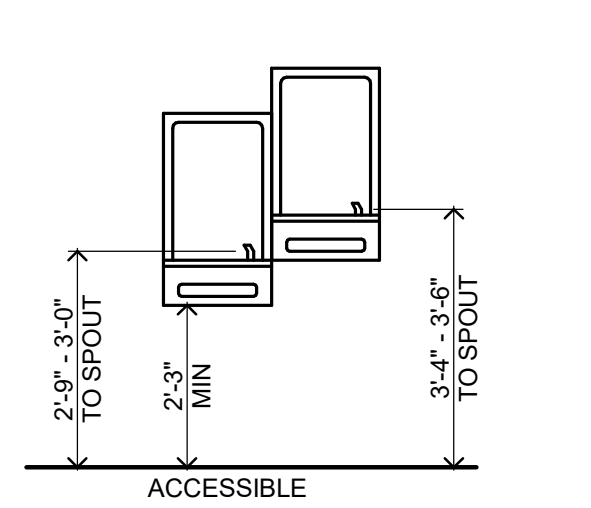
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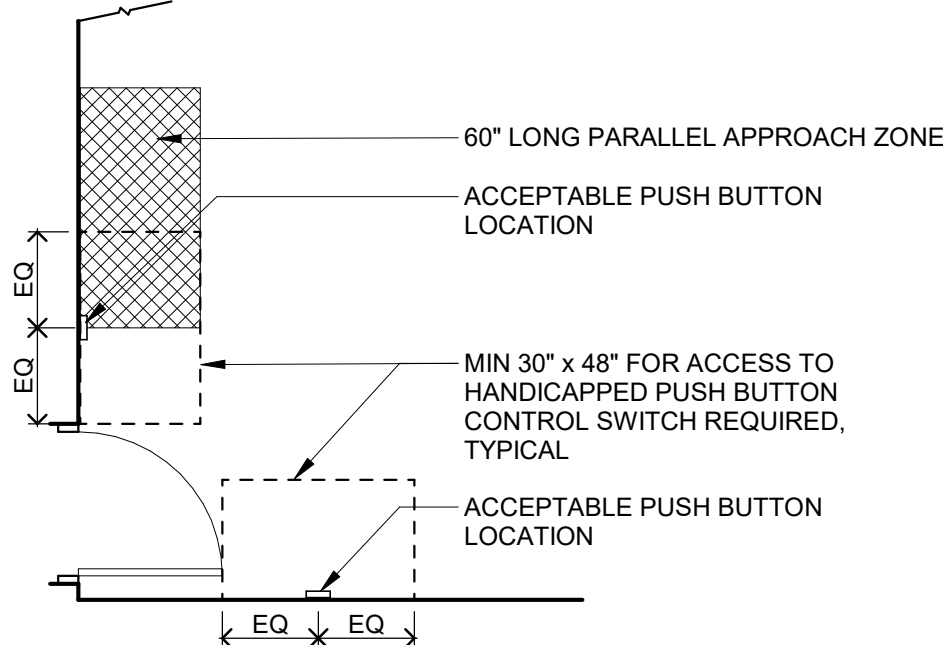
E5 ADULT HCAP WC
3/8\"/>



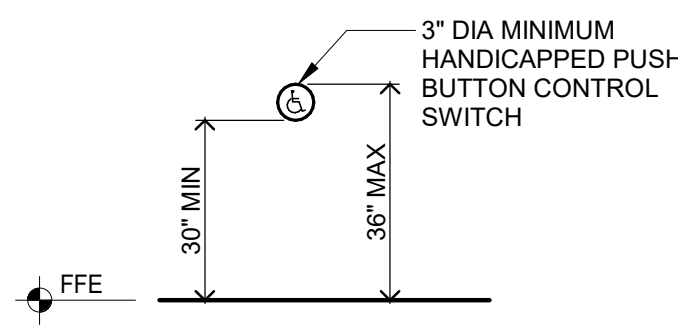
E6 LAV ELEV
3/8\"/>



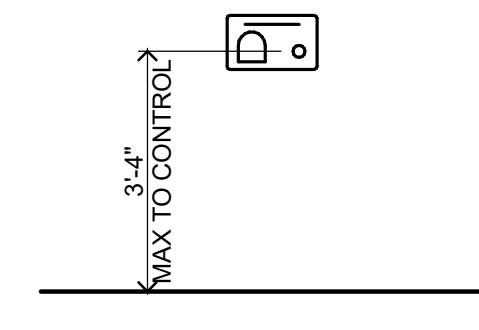
E8 EWC
3/8\"/>



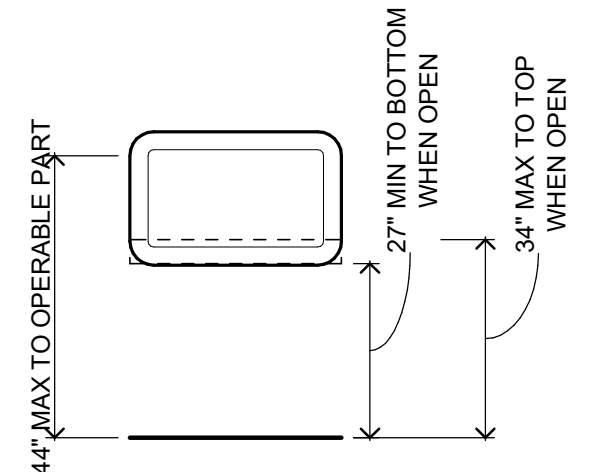
F4 PLAN AT HCAP PUSH BUTTON LOCATIONS
1/4\"/>



F5 ELEV AT HCAP PUSH BUTTON
3/8\"/>



F6 HAND DRYER
3/8\"/>



F8 BABY CHANGING STATION
3/8\"/>

NON-BEARING WALL LINTEL SCHEDULE						
MASONRY LINTELS			STEEL LINTELS			
CLR MAS OPENING	4'-0" OR LESS	4'-1" TO 8'-0"	CLR MAS OPENING	4'-0" OR LESS	4'-1" TO 8'-0"	8'-1" TO 12'-0"
4" WALL	1#4 BOTTOM	NA	4" WALL	L3 1/2x3 1/2x5/16	L5x3 1/2x5/16 LLV	NA
6" WALL	1#4 BOTTOM	1#5 BOTTOM	6" WALL	2-1/2 1/2x 3 1/2x5/16 LLV	2-1/2L5x3/16 LLV	W8x15-5/16x5/16 PLATE
8" WALL	2#4 BOTTOM	2#5 BOTTOM	8" WALL	2-1/3 1/2x3 1/2x5/16	2-1/3L5 1/2x5/16 LLV	W8x15-5/16x7 PLATE
10" WALL	2#4 BOTTOM	2#5 BOTTOM	10" WALL	2-1/3 1/2x3 1/2x5/16	2-1/3L5 1/2x5/16 LLV	W8x15-5/16x9 PLATE
12" WALL	2#4 BOTTOM	2#5 BOTTOM	12" WALL	2-1/3L5 1/2x5/16 LLV + 5/16x11 PLATE	2-1/3L5 1/2x5/16 LLV + 5/16x11 PLATE	W8x15-5/16x11 PLATE
16" WALL			16" WALL	W8x10-5/16x15 PLATE	5/16x15 PLATE	W8x15-5/16x15 PLATE

UNLESS NOTED OTHERWISE:

- MASONRY LINTELS MAY BE USED FOR MASONRY WALL OPENINGS UNDER THE FOLLOWING CONDITIONS:
A. THE HEIGHT OF THE MASONRY ABOVE THE OPENING IS AT LEAST EQUAL TO THE CLEAR WIDTH OF THE OPENING.
B. THE LENGTH OF THE WALL AND DISTANCE TO THE NEAREST CONTROL JOINT ON EACH SIDE OF THE OPENING IS AT LEAST EQUAL TO THE CLEAR OPENING WIDTH.
- USE STEEL LINTELS AT NON-BEARING WALL OPENINGS NOT MEETING MASONRY CONDITIONS. STEEL LINTELS BY MISCELLANEOUS METALS.
- MASONRY LINTELS MAY BE USED FOR ANY LINTEL IN SOLIDLY GROUTED WALLS UP TO 8'-0\"/>
- BEAR LINTELS 8\"/>
- PROVIDE LINTELS FOR ALL OPENINGS NOT TIGHT TO DECK, INCLUDING MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH MASONRY WALLS, INCLUDING DUCT OPENINGS, UNIT VENTILATORS, UNIT HEATERS, LOUVERS.
- STEEL LINTEL PLATES SHOULD BE CENTERED IN THE WALL. EDGE OF PLATES SHALL BE A MINIMUM 5/16\"/>
- REFER TO STRUCTURAL DRAWINGS FOR MASONRY BEARING WALL LINTELS.
- WHERE STEEL LINTELS ARE EXPOSED, SOAP CONCRETE BLOCK ON EITHER SIDE TO CONCEAL LINTEL IN MASONRY WALLS.

LINTEL SCHEDULE

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ARCHITECT

under the laws of the State of

John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
PR004		07/12/2023	2

Comm: 222064
Date: 11/08/2022
Drawn: MJJS/AMTC
Check: JJW/JM
North

DETAILS -
GENERAL -
SYMBOLS,
ABBREVIATIONS,
ENLARGED
PLANS

Scale: As indicated

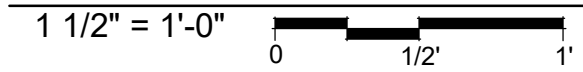
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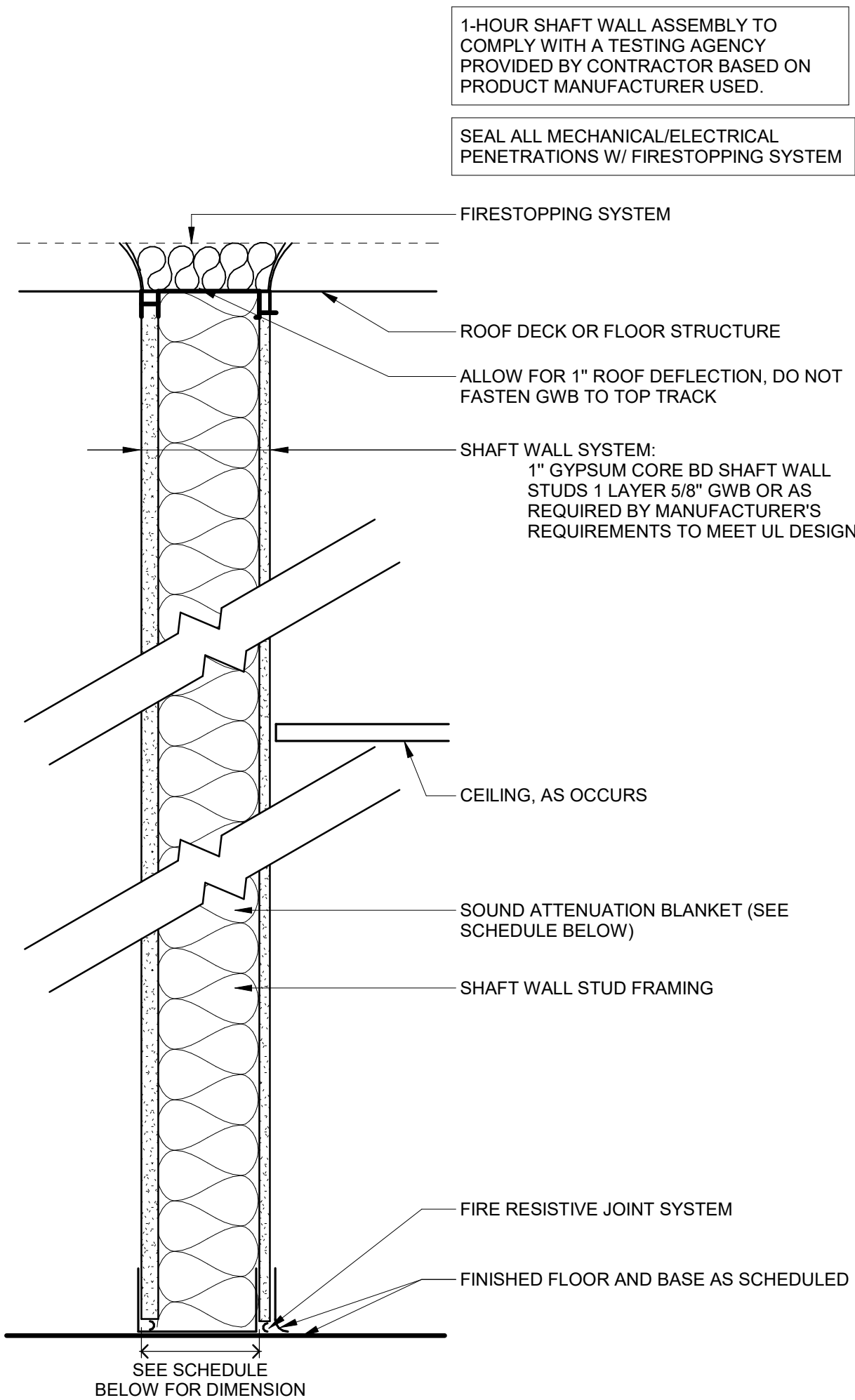
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Last Modified: 11/10/2022 11:43:29 AM
User: jmcnamara

WALL TYPE GBM



TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GBM	3 5/8"	SOUND BATT	N/A	

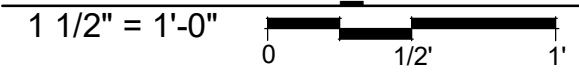


WALL TYPE XA

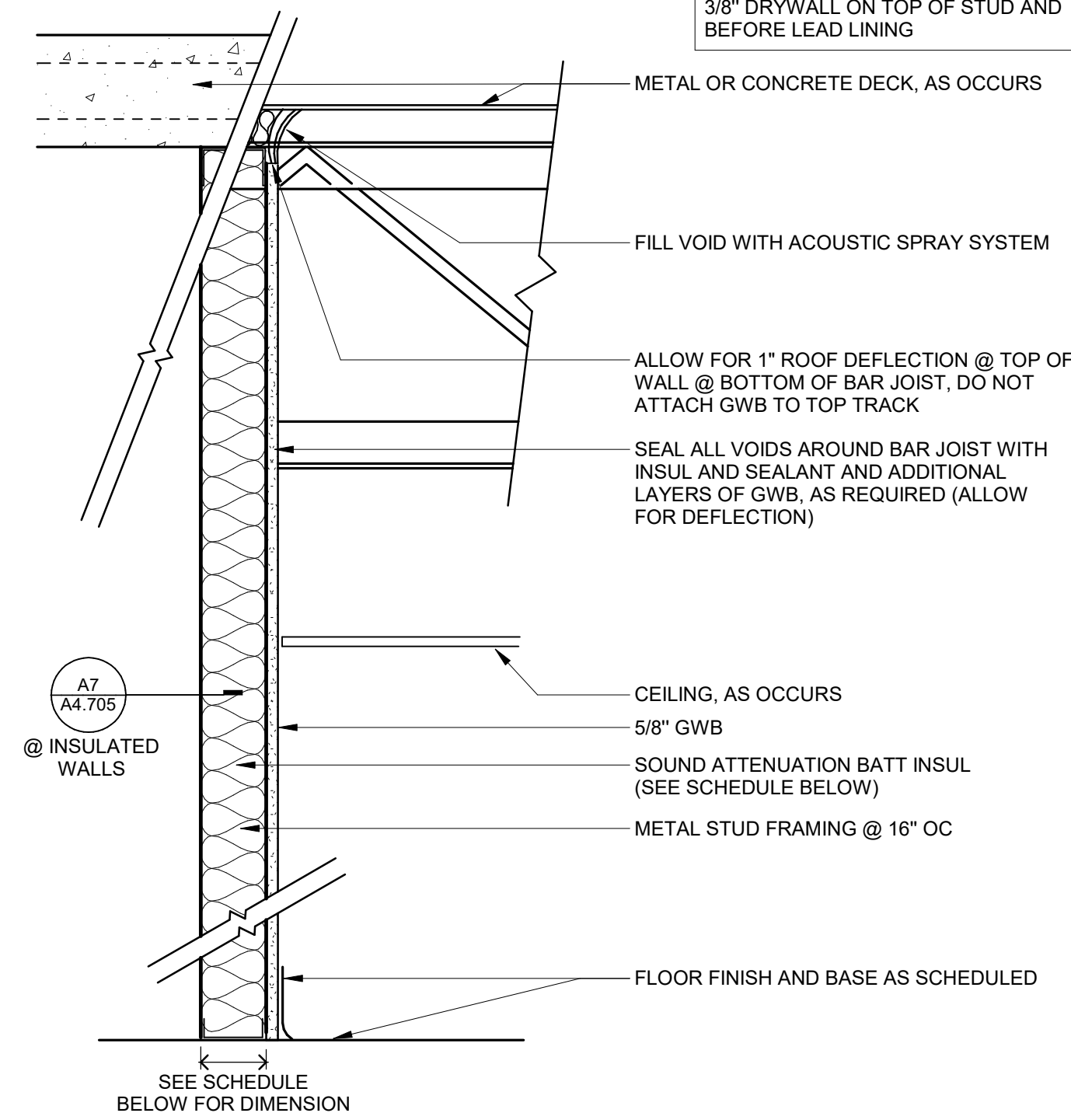


TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
XA5	2 1/2"	SOUND BATT	37	
XA6	4"	SOUND BATT	48	

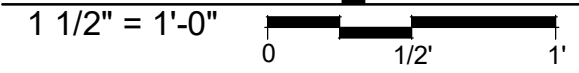
WALL TYPE GA



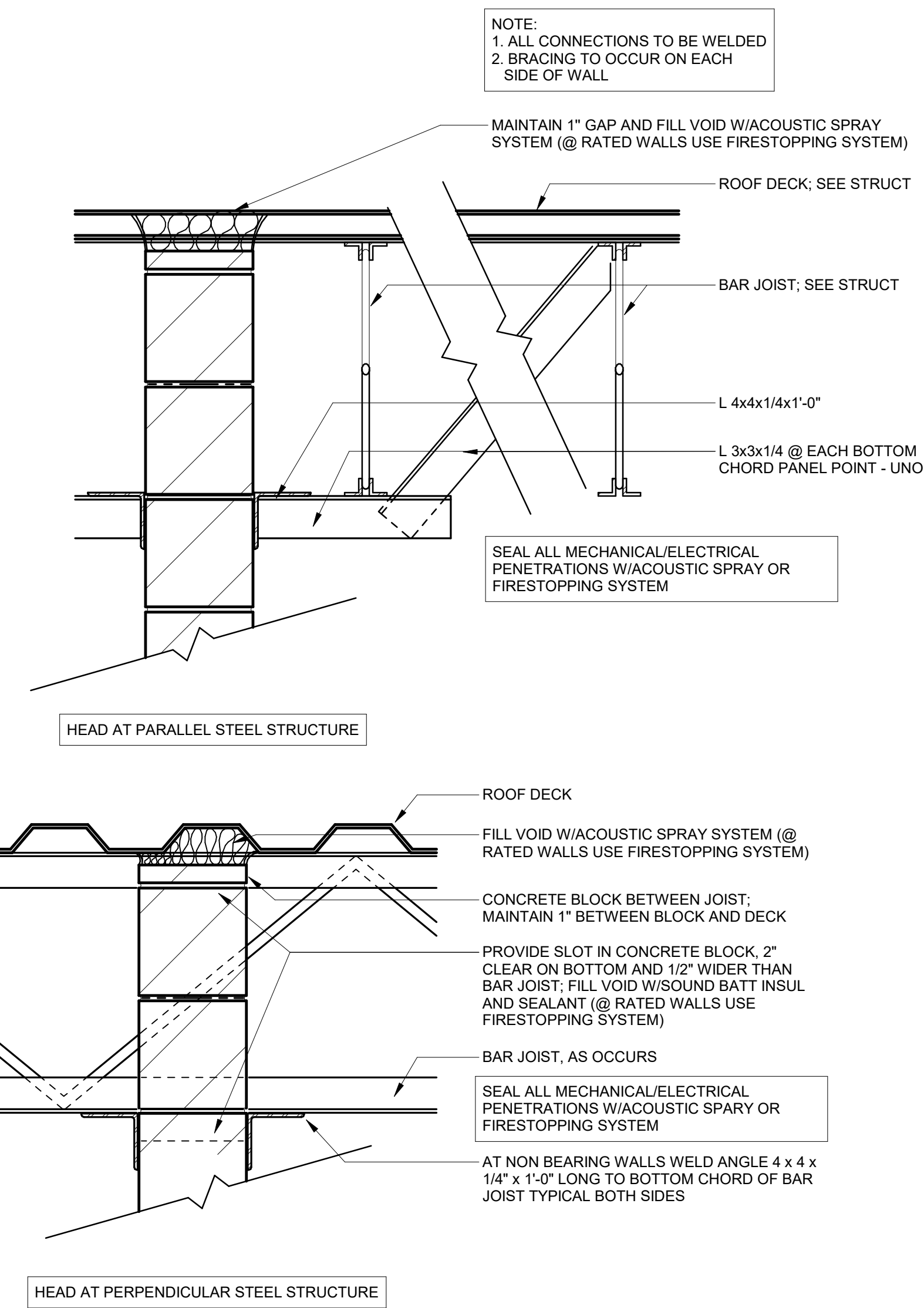
TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GA6	3 5/8"	SOUND BATT	48	
GA7	6"	SOUND BATT	48	



WALL TYPE GB



TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GB4	1 5/8"	SOUND BATT	N/A	
GB5	2 1/2"	SOUND BATT	N/A	
GB6	3 5/8"	SOUND BATT	N/A	
GB7	6"	SOUND BATT	N/A	



WALL TYPE MA



TYPE	BLOCK SIZE	INSULATION	MIN STC	NOTES
MA3	8"	NONE	48	

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ARCHITECT
under the laws of the State of Minnesota
John McNamara
John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	Date	Num
PRR04		07/12/2023	1

Comm: 222064
Date: 11/08/2022
Drawn: MJS
Check: JWW/JM

DETAILS - INTERIOR WALL TYPES

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

A4.701

MN

A

B

C

D

E

A

F

EXTERIOR ELEVATIONS GENERAL NOTES

1. WHERE NOT SHOWN, MASONRY VENEER EXPANSION JOINTS ARE TO BE LOCATED AT A MINIMUM OF 2 FEET AND 10 FEET FROM OUTSIDE CORNERS, AT INSIDE CORNERS, ABOVE WINDOW AND DOOR JAMBS, BETWEEN DISSIMILAR MATERIALS, AND NO MORE THAN 20 FEET ON CENTER ELSEWHERE.

MATERIALS KEY

KEY	MATERIAL
04.01	STONE MASONRY VENEER (SEE ENLARGED ELEVATION FOR PATTERN)
04.02	CAST STONE MASONRY
04.03	STONE MASONRY VENEER CONTROL JOINT
05.95	PIPE BOLLARD - PAINT PT-8
06.10	GLUED-LAMINATED CONSTRUCTION
07.01	PREFINISHED SHEET METAL COPING #1 (SANDSTONE)
07.02	PREFINISHED SHEET METAL COPING/FLASHING #2 (MATTE BLACK)
07.03	FIBER CEMENT PANELS AND VERTICAL TRIM SIDING
07.04	THERMALLY MODIFIED WOOD SOFFIT
07.06	PREFINISHED ALUMINUM PANEL
08.07	PREFINISHED ALUMINUM FRAME
08.11	SECTIONAL METAL OVERHEAD DOOR
08.12	FOLDING GLASS DOOR SYSTEM
08.58	EXTERIOR GLAZING
08.59	PREFINISHED METAL LOUVER
09.68	PT-8 (ON EXPOSED STEEL)
10.06	ALUMINUM DIMENSIONAL LETTER SIGNAGE
26.97	EXTERIOR LIGHTING (SEE ELEC.)

GLACIAL VALLEY PARK BUILDING

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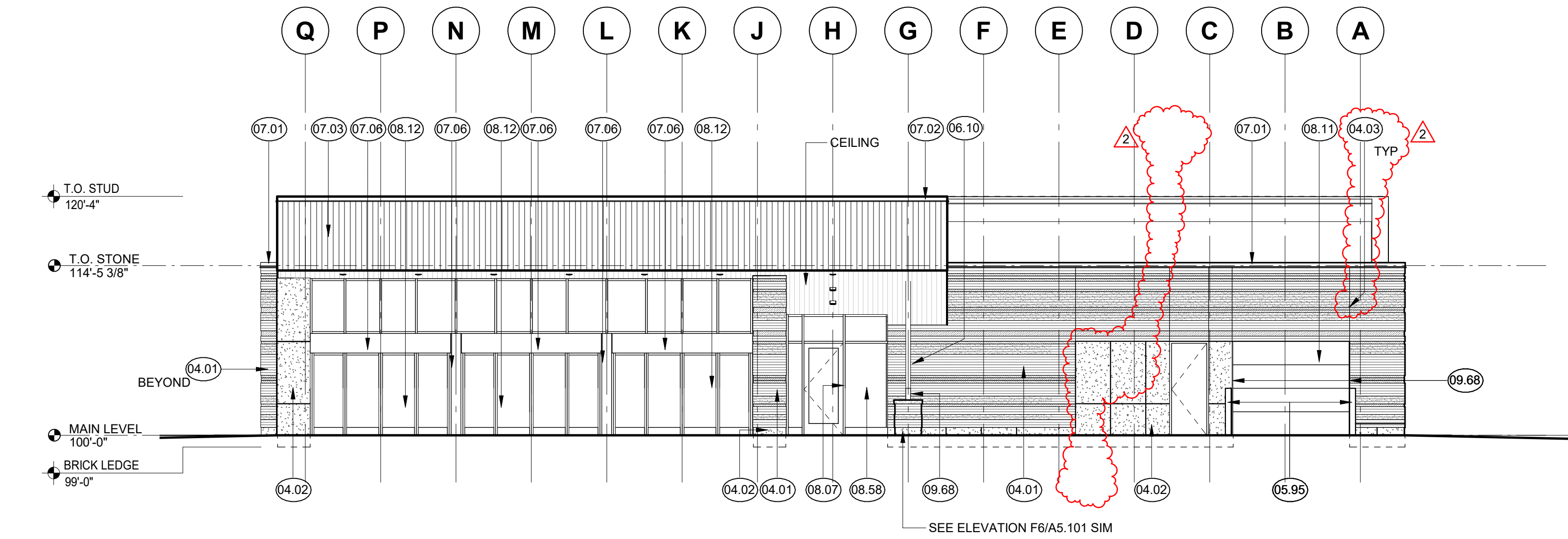
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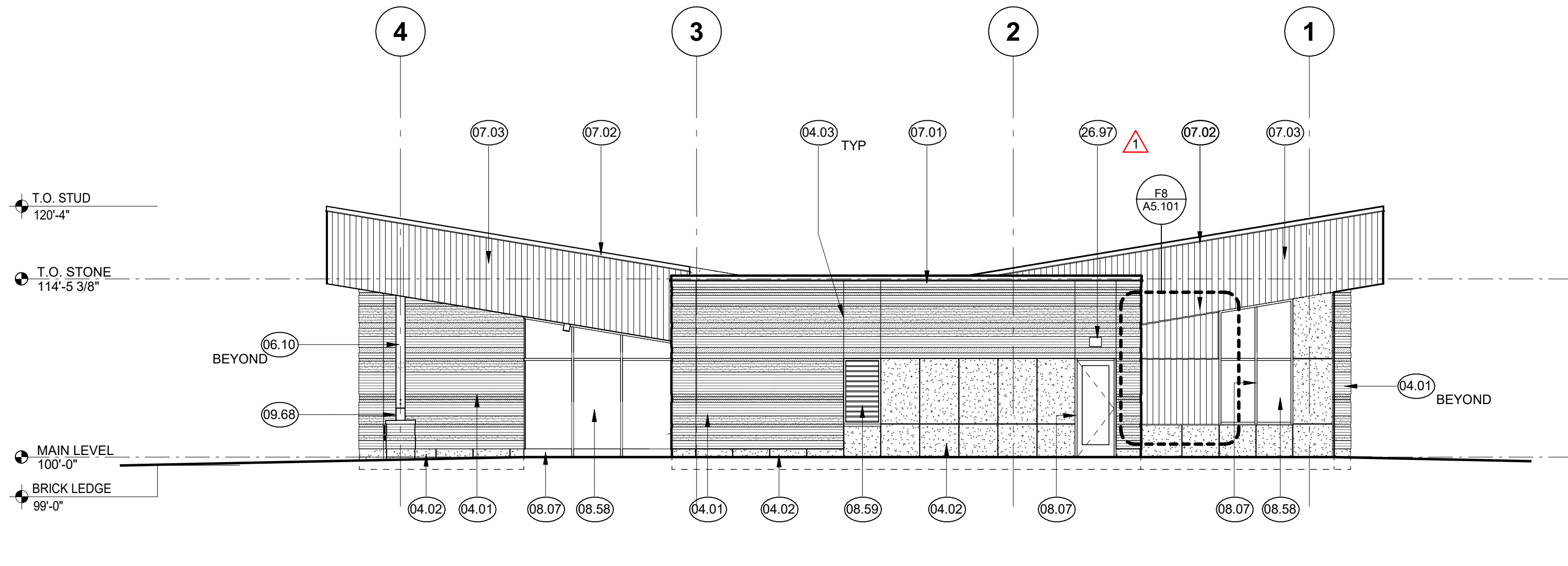


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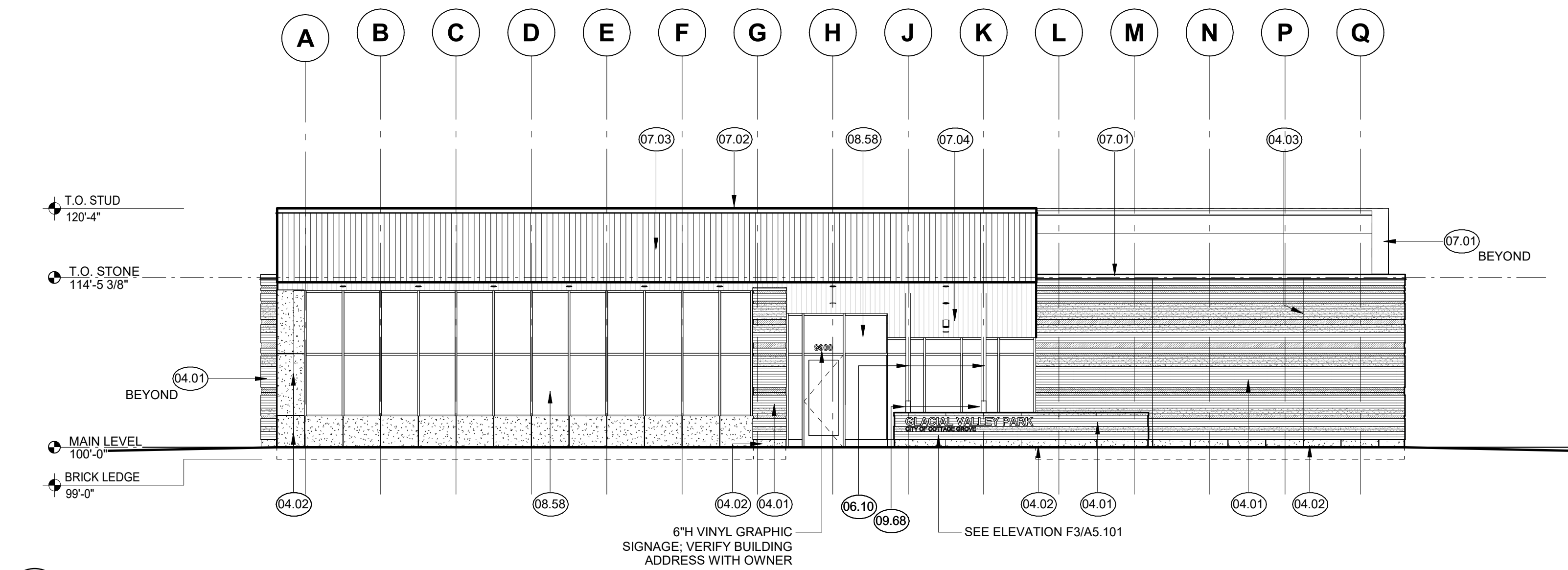
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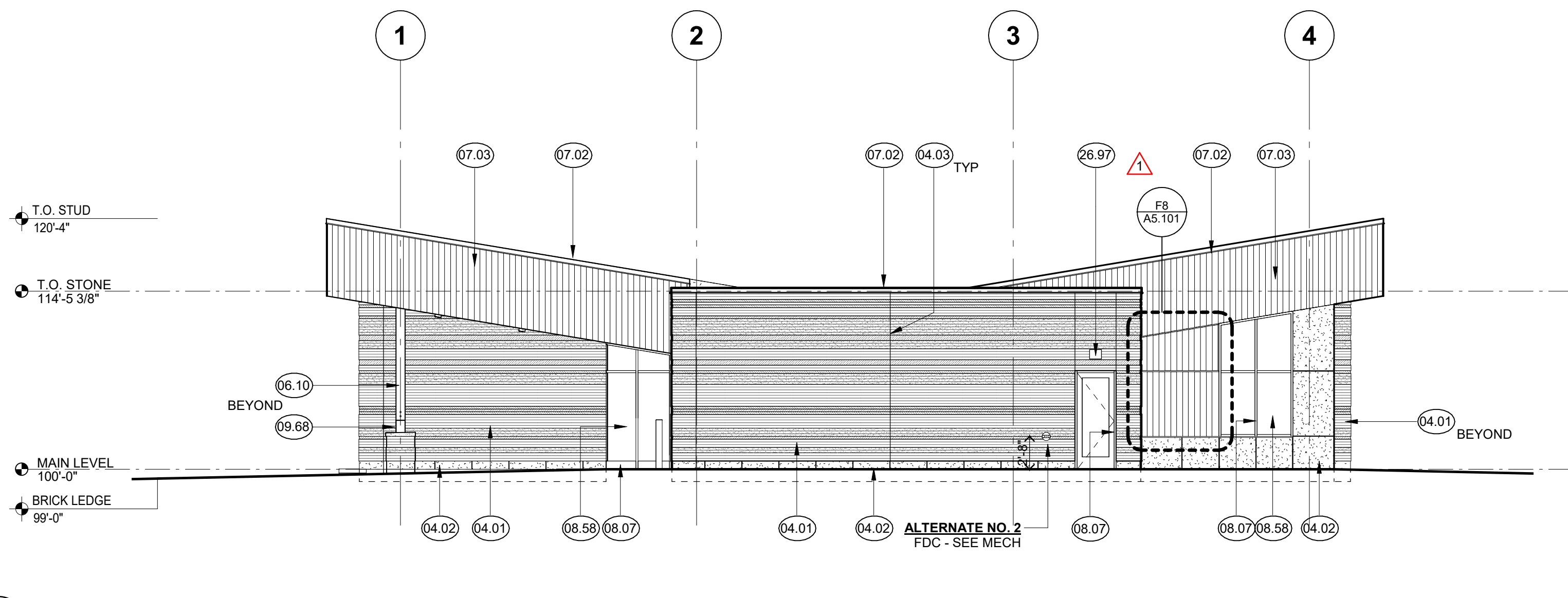
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1/8" = 1'-0"



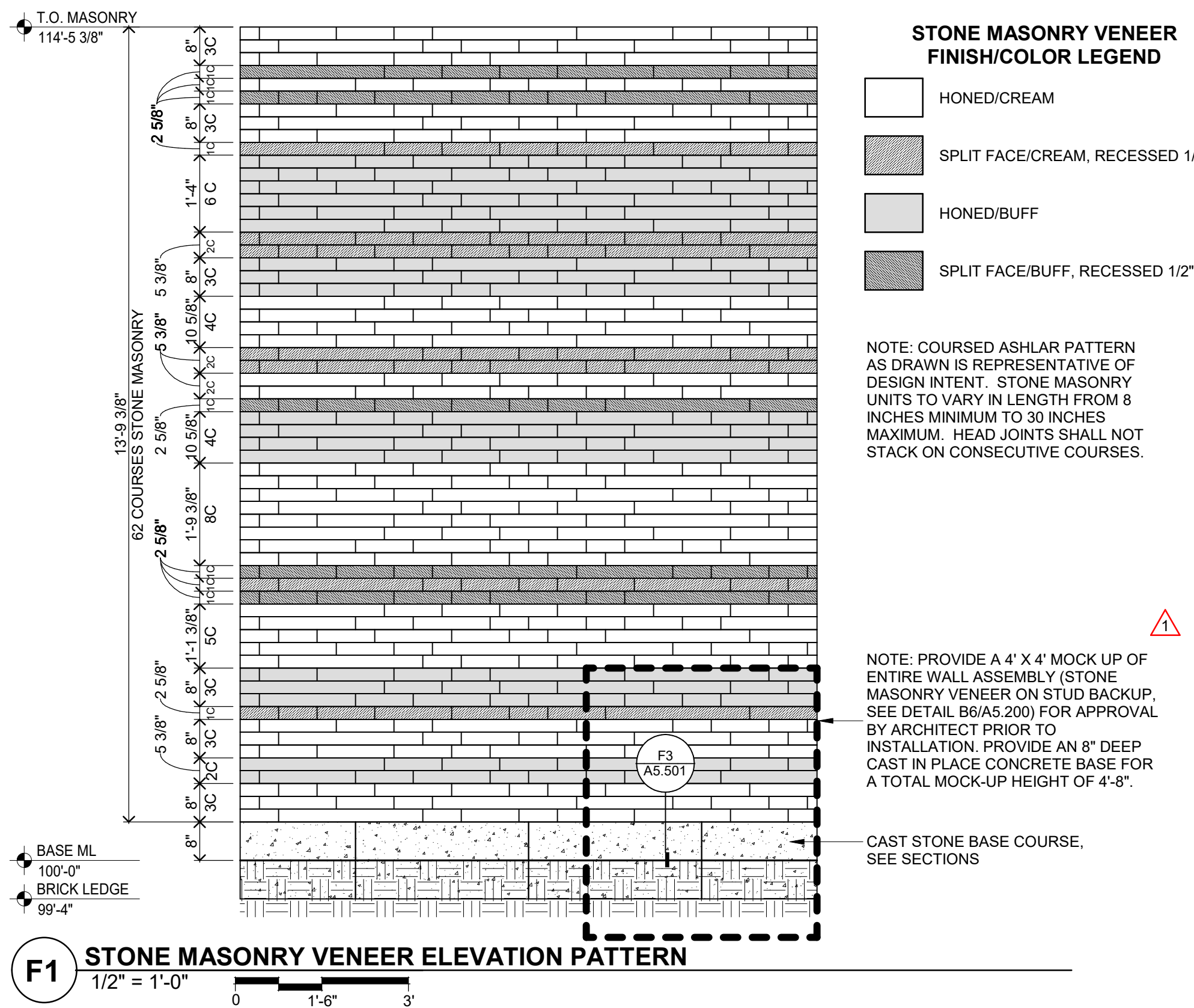
C5 EAST EXTERIOR ELEVATION
1/8" = 1'-0"



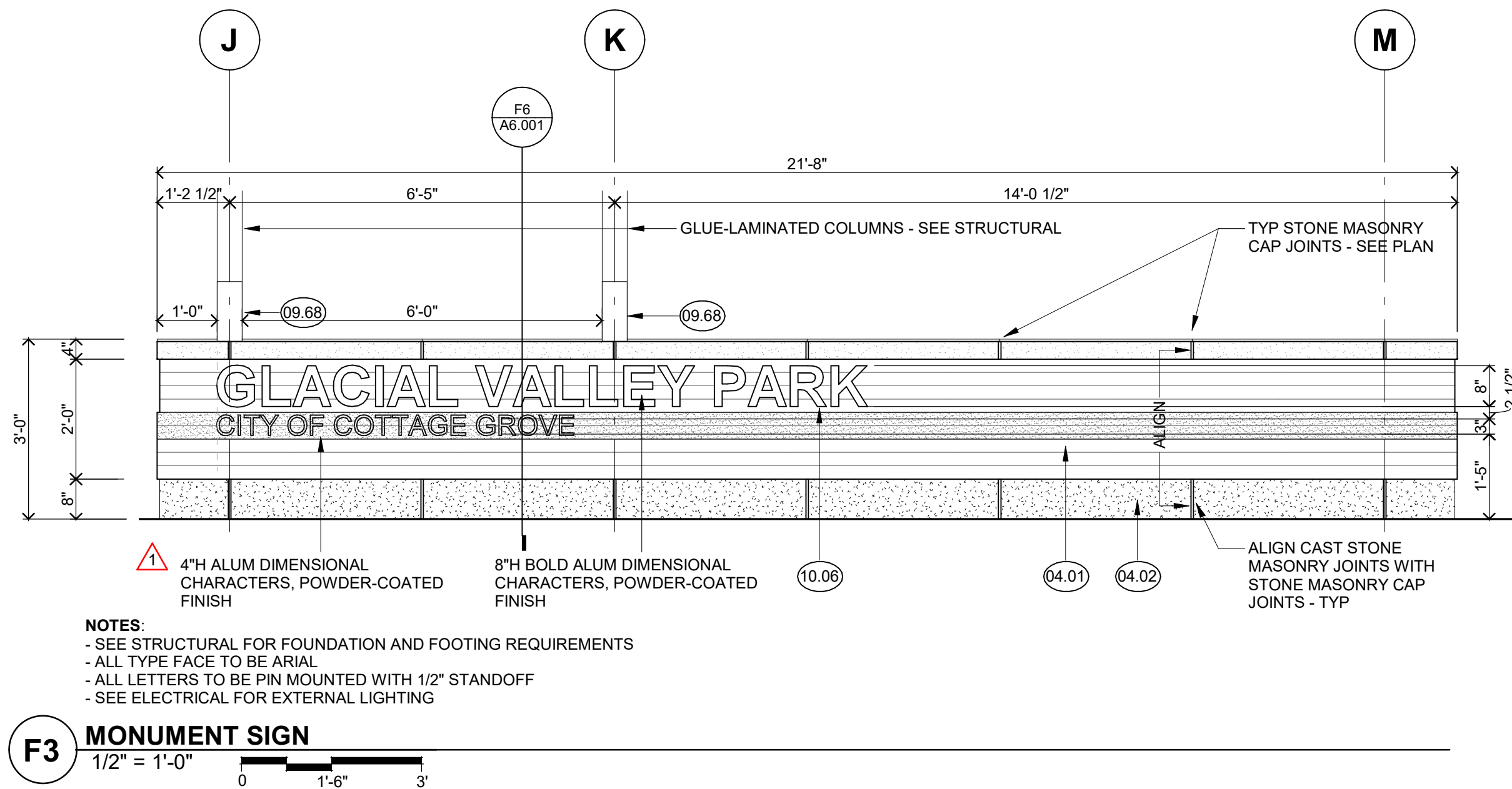
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1/8" = 1'-0"



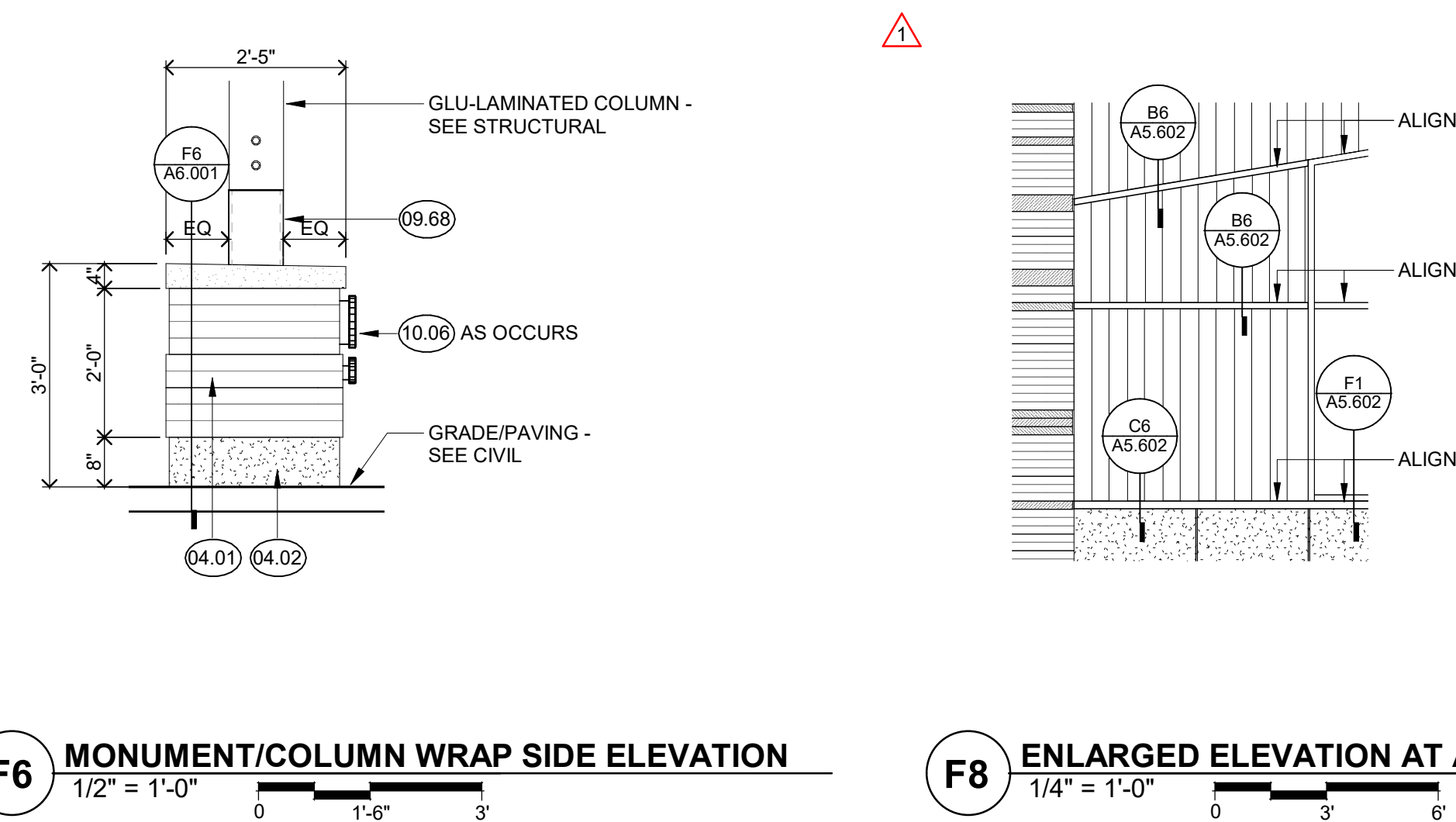
E5 WEST EXTERIOR ELEVATION
1/8" = 1'-0"



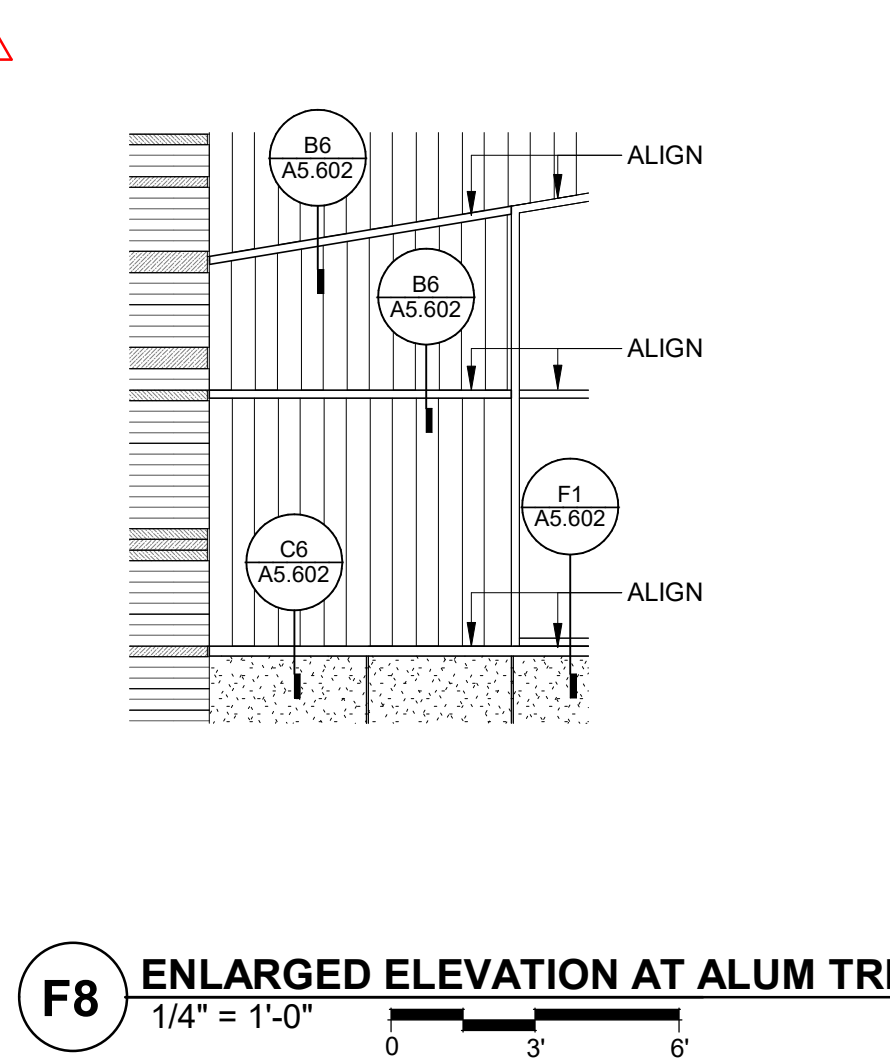
F1 STONE MASONRY VENEER ELEVATION PATTERN
1/2" = 1'-0"



F3 MONUMENT SIGN
1/2" = 1'-0"



F6 MONUMENT/COLUMN WRAP SIDE ELEVATION
1/2" = 1'-0"



F8 ENLARGED ELEVATION AT ALUM TRIM
1/4" = 1'-0"

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ARCHITECT

under the laws of the State of Minnesota

John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
PR004		07/12/2023	2

Comm: 222064

Date: 11/08/2022

Drawn: TC/MJS

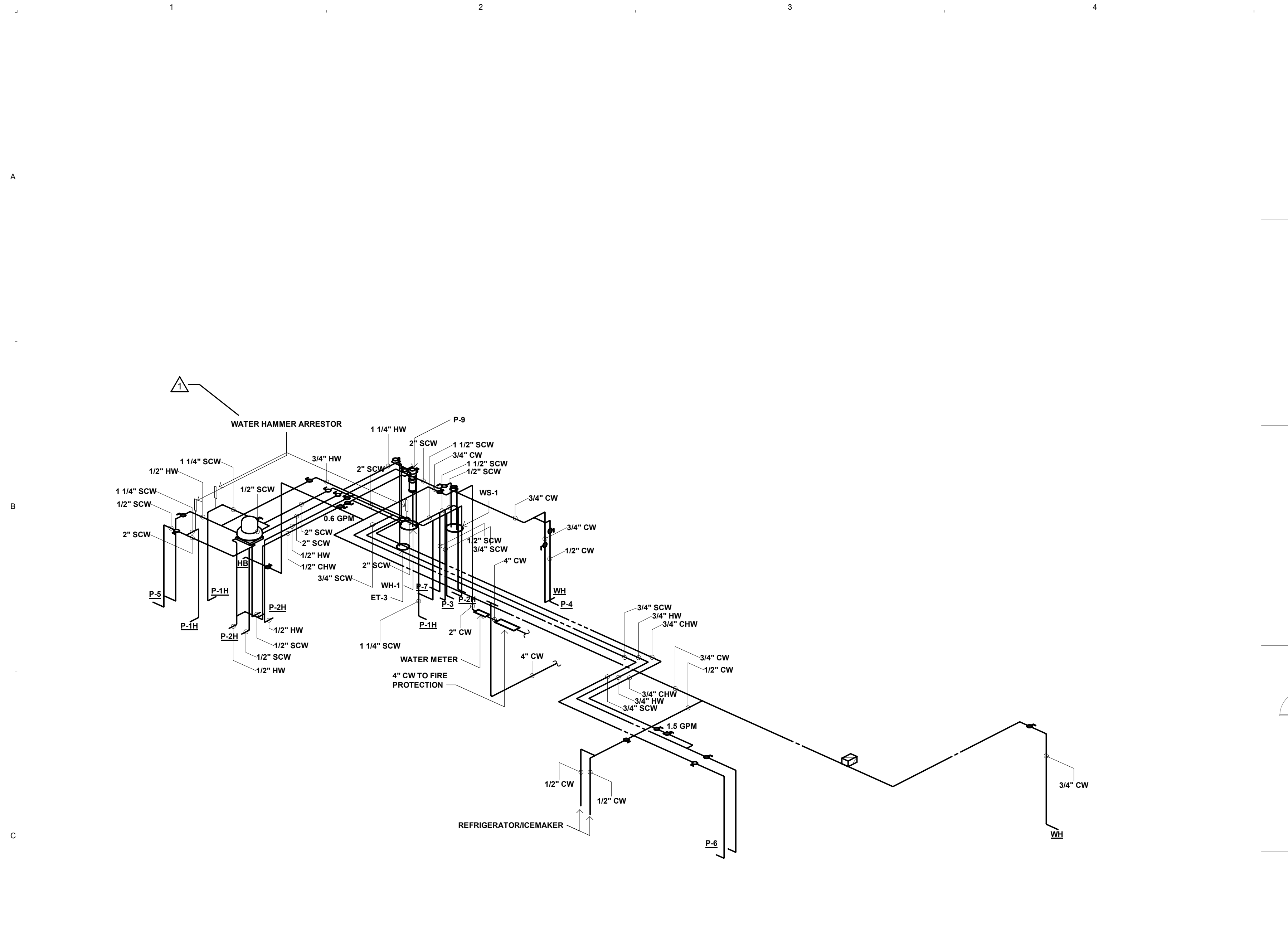
Check: JW/JM

EXTERIOR ELEVATIONS

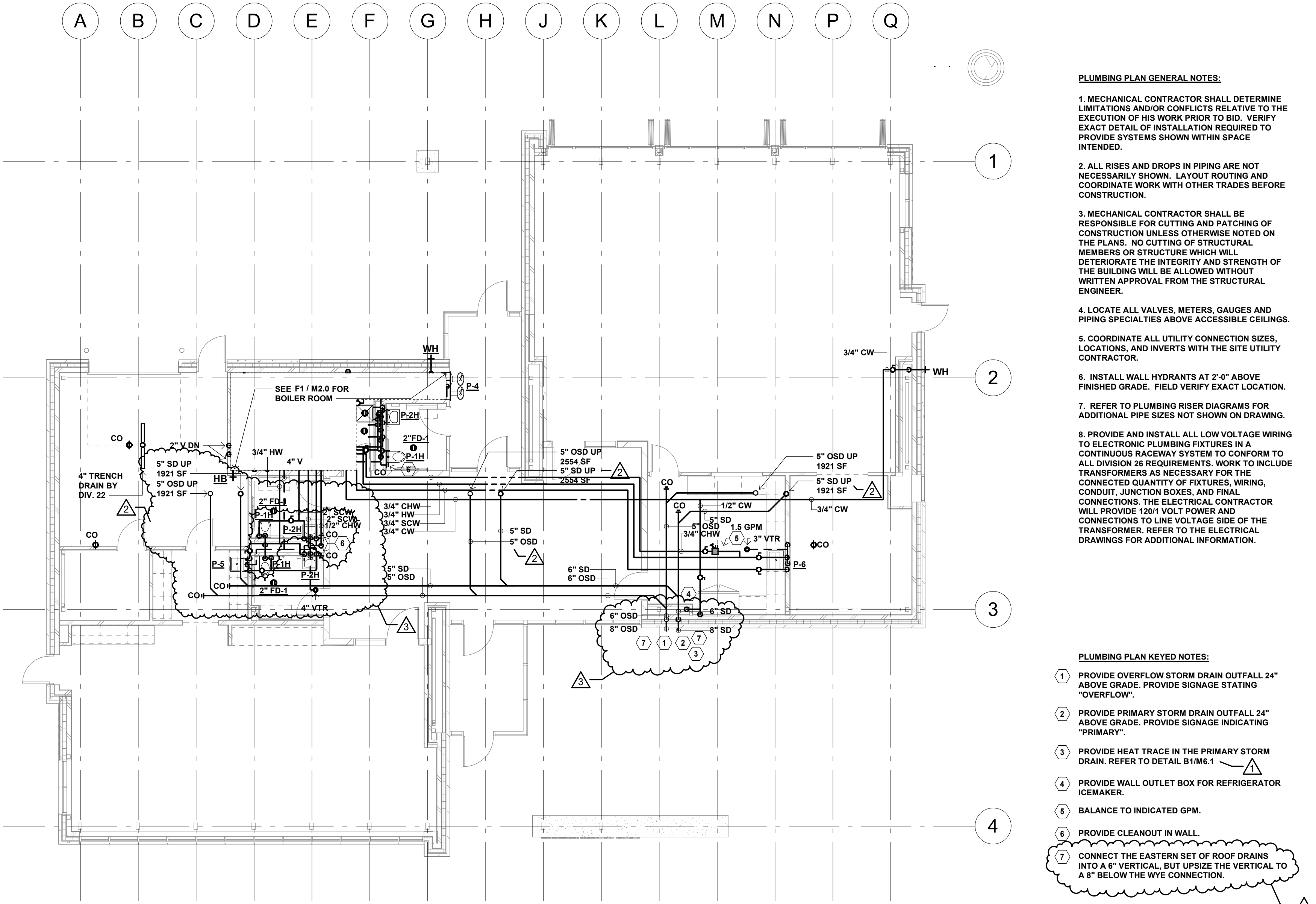
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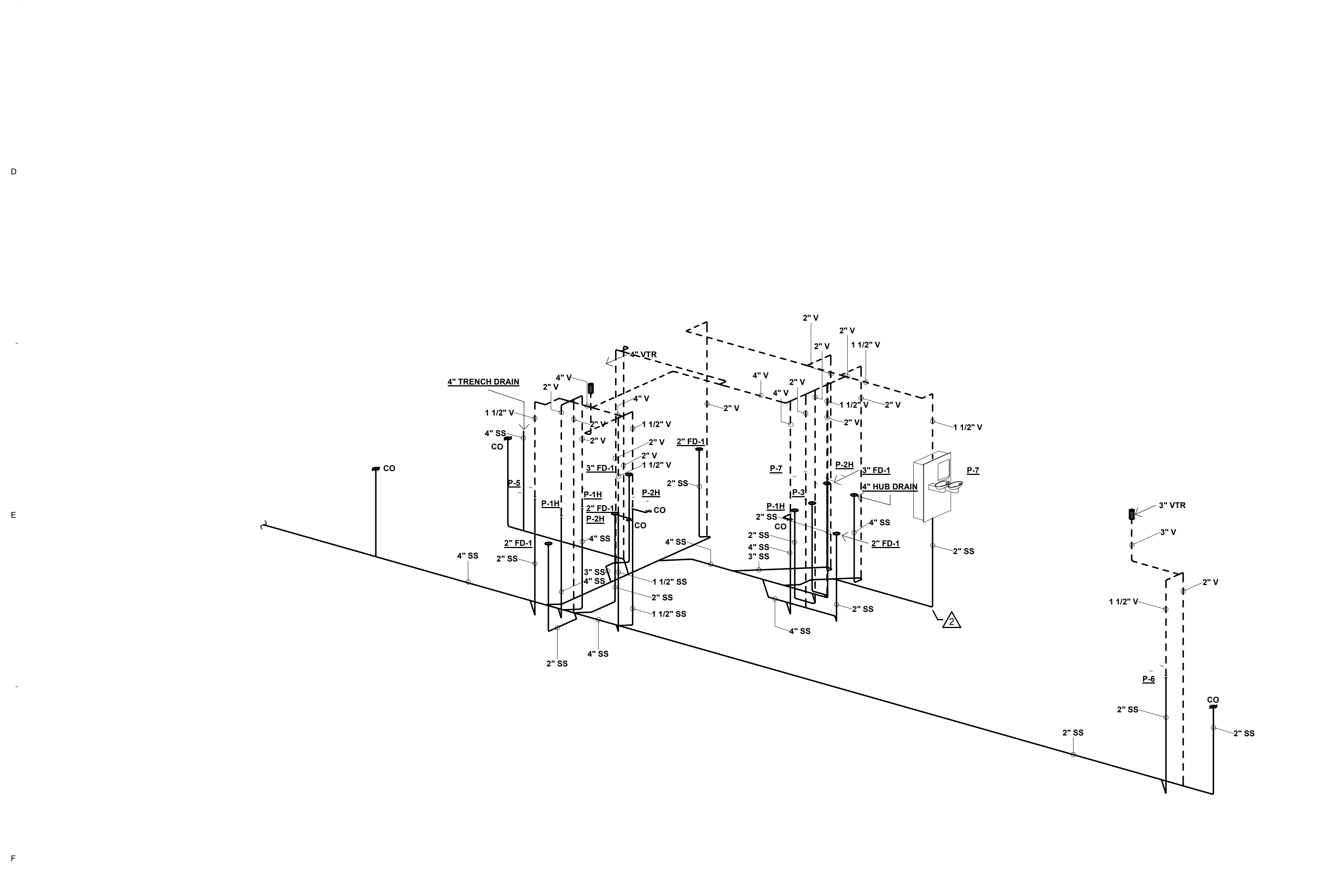
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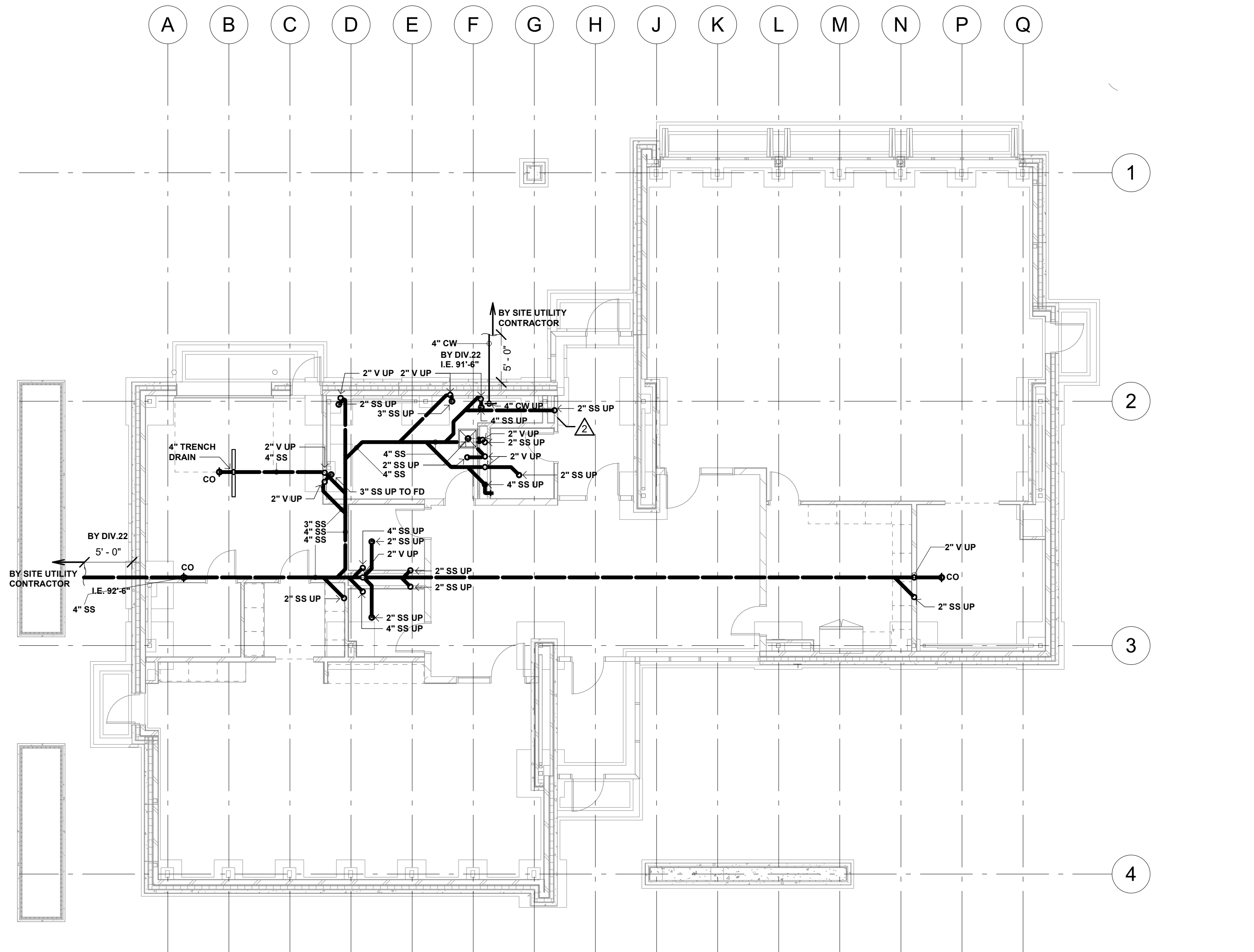
C1 Supply Riser Diagram



C4 PLUMBING PLAN - MAIN LEVEL
1/8" = 1'-0"



F1 Waste and Vent Riser Diagram



F5 PLUMBING PLAN - UNDERGROUND
1/8" = 1'-0"

GLACIAL VALLEY PARK BUILDING

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PLUMBING PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISER AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DEGRADATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-6" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
7. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
8. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

PLUMBING PLAN KEYED NOTES:

1. PROVIDE OVERFLOW STORM DRAIN OUTFALL 24" ABOVE GRADE. PROVIDE SIGNAGE STATING "OVERFLOW".
2. PROVIDE PRIMARY STORM DRAIN OUTFALL 24" ABOVE GRADE. PROVIDE SIGNAGE INDICATING "PRIMARY".
3. PROVIDE HEAT TRACE IN THE PRIMARY STORM DRAIN. REFER TO DETAIL B1/M6.1
4. PROVIDE WALL OUTLET BOX FOR REFRIGERATOR ICEMAKER.
5. BALANCE TO INDICATED GPM.
6. PROVIDE CLEANOUT IN WALL.
7. CONNECT THE EASTERN SET OF ROOF DRAINS INTO A 6" VERTICAL, BUT UPSIDE THE VERTICAL TO A 6" BELOW THE WYE CONNECTION.

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Ron Mulla

License Number: Date: 11/08/22

Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
SR01		02/06/2023	2
PR04		07/11/2023	3

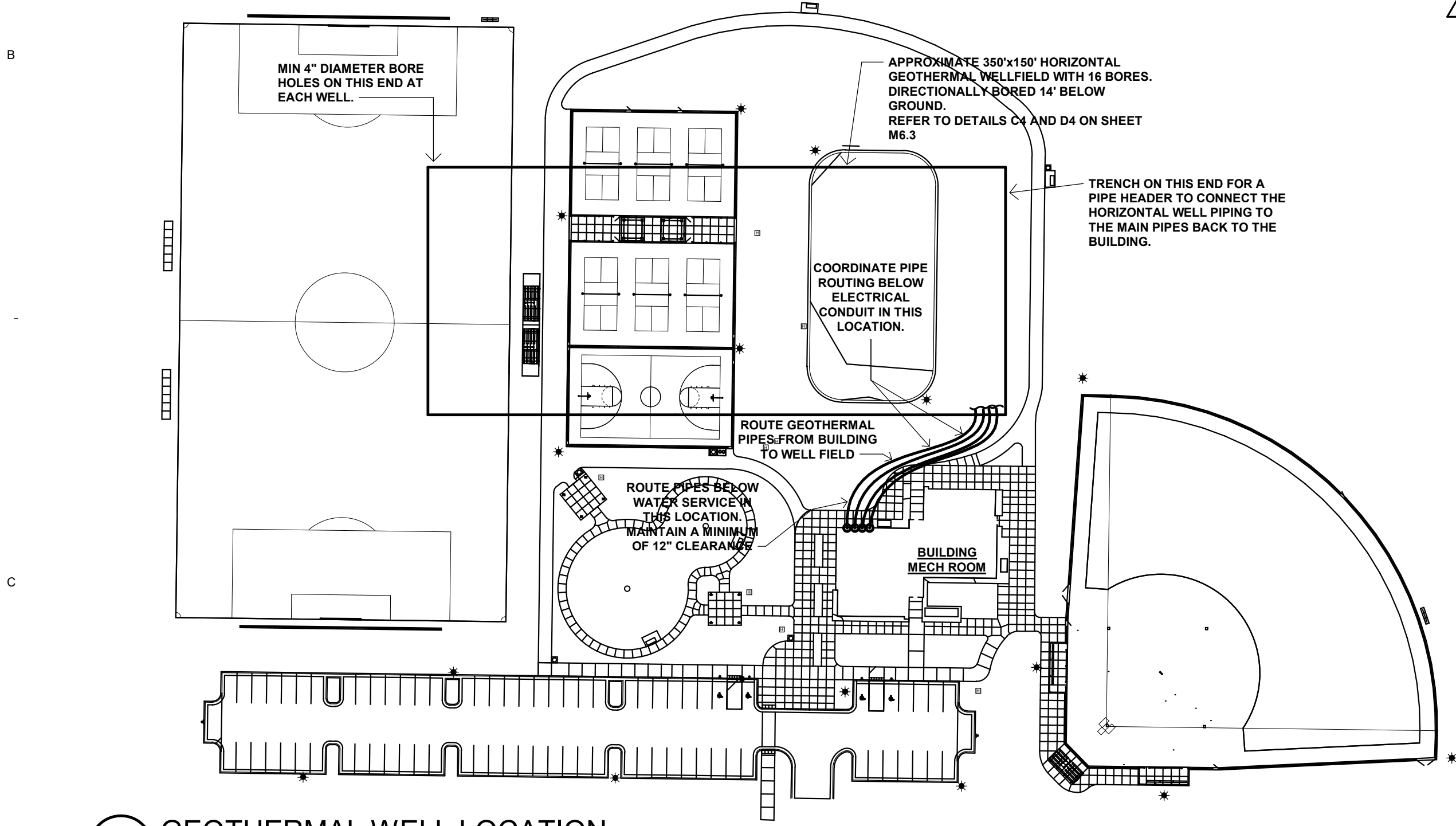
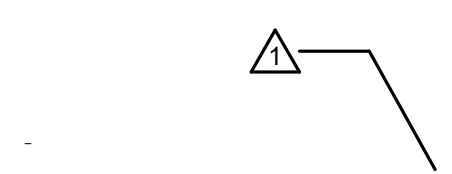
Comm: 222064
Date: 11/08/22
Drawn: AG
Check: JM
North

PLUMBING PLAN

Scale: 1/8" = 1'-0"

M1.0

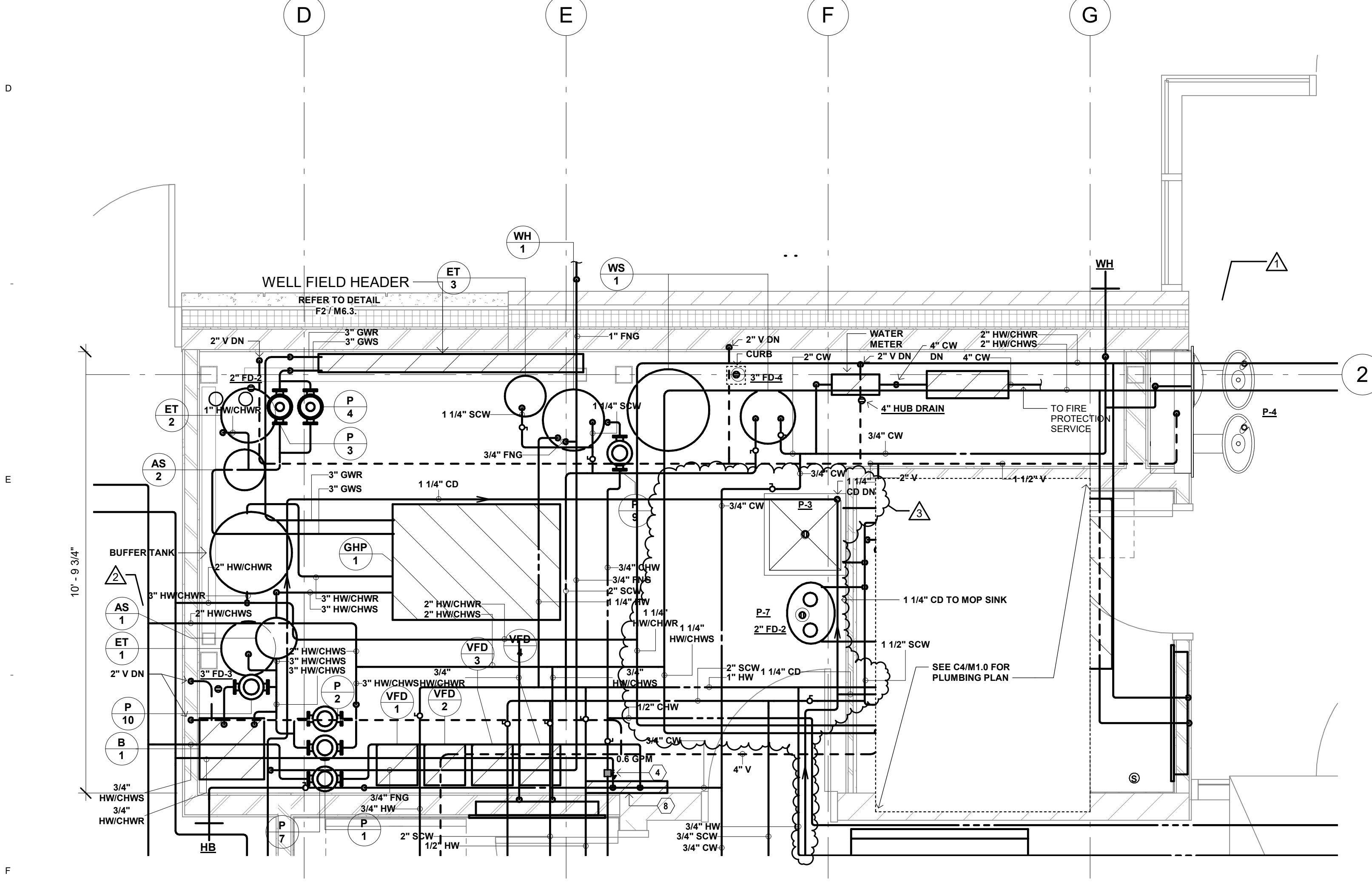
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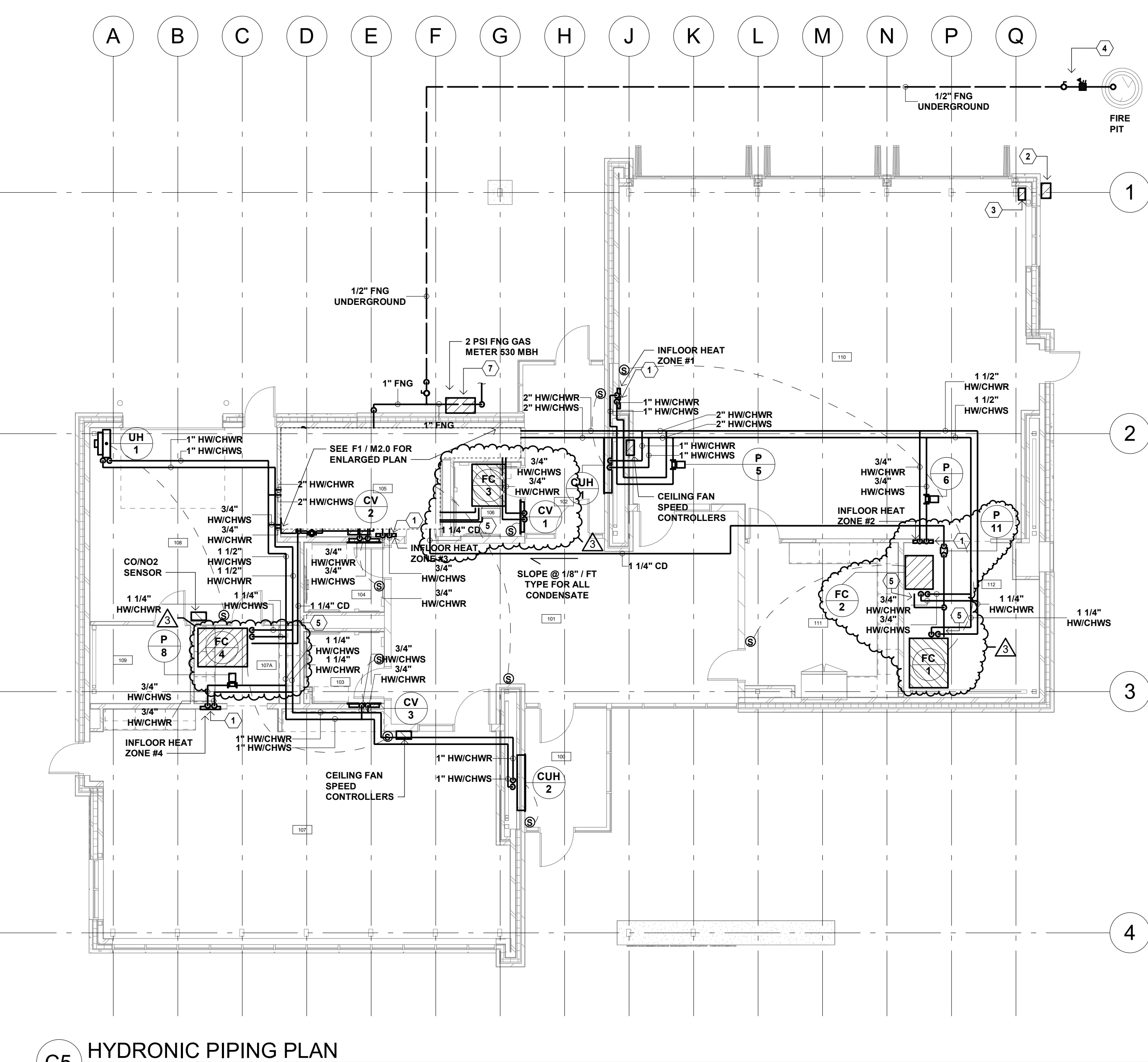
C1 GEOTHERMAL WELL LOCATION
3/200" = 1'-0"

GEOTHERMAL PLAN GENERAL NOTES:

1. REFER TO GROUND HEAT EXCHANGER SPECIFICATIONS FOR FULL DETAILS.
2. THE GROUND HEAT EXCHANGER CONSISTS OF 2 HEADER MAINS EACH WITH 8 HORIZONTAL BOREHOLES. FOR A TOTAL OF 16 BOREHOLES AT A DEPTH OF 14', WITH A HORIZONTAL LENGTH OF 350' PER BOREHOLE.
3. BOREHOLES ARE TO BE A MINIMUM OF 10' AWAY FROM BUILDINGS AND A MINIMUM OF 5' AWAY FROM PROPERTY LINES.
4. GLYCOL TO BE USED IS 25% BY VOLUME PROPYLENE GLYCOL, PREMIXED WITH DI WATER AND SUITABLE CORROSION INHIBITORS BY MANUFACTURER. REFER TO 23 21 13 FOR FURTHER REQUIREMENTS.
5. CIRCUIT PIPES TO BE CONNECTED TO THE HEADER IN A REVERSE RETURN LAYOUT AS SHOWN IN C4/M6.3.
6. GHX CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY SERVICES UNDERNEATH THE GHX.
7. MINIMUM BENDING RADIUS IS 20 TIMES THE OUTER DIAMETER FOR ANY PIPE CURVATURE.
8. NO PETROLEUM BASED PRODUCTS ARE TO BE IN CONTACT WITH THE HOPE PIPE AT ANY TIME.
9. ALL PIPING IS TO BE CAPED AND PRESSURIZED TO 100 PSIG USING FUSION WELDED ENDCAPS ONCE THE U-BEND PIPING ASSEMBLY HAS BEEN INSTALLED.
10. NO OPEN PIPE ENDS ARE TO BE LEFT UNATTENDED AT ANY TIME. PIPING MUST MAINTAIN 100 PSIG BEFORE AND AFTER BACKFILLING OF TRENCHES.
11. BURIED PIPING SHALL INCLUDE METALLIC TRACER WIRE FOR EASE OF LOCATING.
12. A WARNING STRIP 1.5" WIDE, INDICATING "CAUTION: GEOTHERMAL PIPING," TO BE BURIED 12" TO 18" BELOW GRADE, ABOVE PIPING.
13. CONTRACTOR SHALL PROVIDE A TEST WELL, GROUT, CONDUCTIVITY TEST AND PROVIDE REPORT TO THE ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH THE WORK. TEST WELL AND CONDUCTIVITY TESTING SHALL BE IN ACCORDANCE WITH ALL ASHRAE, IGSHPA AND MN RULES PROCEDURES. REFER TO SPECIFICATION SECTION 23 21 14.
14. COORDINATE ALL WORK ON SITE WITH THE OWNER'S CONTRACTOR THAT IS PROVIDING THE SITE WORK UNDER SEPARATE CONTRACT.
15. REFER TO SPECIFICATION SECTION 01 22 00 - "UNIT PRICES" FOR ADDING/SUBTRACTING GEOTHERMAL WELLS.



F1 ENLARGED MECHANICAL ROOM
1/2" = 1'-0"



C5 HYDRONIC PIPING PLAN
1/8" = 1'-0"



F5 HYDRONIC PIPING PLAN - INFLOOR HEATING PLAN
1/8" = 1'-0"

HYDRONIC PLAN GENERAL NOTES:

1. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
4. COORDINATE TEMPERATURE SENSOR LOCATIONS WITH OTHER TRADES, BUILDING ELEMENTS, MARKER BOARDS, AND ELECTRICAL SWITCHES. ADJUST THE EXACT LOCATIONS AS REQUIRED TO AVOID CONFLICTS.
5. BRANCH PIPING TO EQUIPMENT TO BE 3/4" UNLESS OTHERWISE NOTED.
6. ROUTE PIPES BETWEEN JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS.

HYDRONIC PLAN KEYED NOTES:

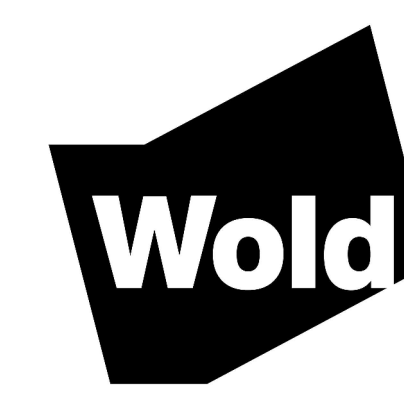
1. INFLOOR HEATING MANIFOLD AND CABINET.
2. PROVIDE EMERGENCY SHUTOFF SWITCH FOR SOLENOID VALVE IN GAS LINE TO FIRE PIT.
3. PROVIDE FIRE PIT TIMER AND GAS SOLENOID VALVE CONTROLLER. REFER TO SPECIFICATION SECTION 23 11 23 FOR CONTROLLER.
4. PROVIDE GAS SOLENOID VALVE IN FIRE PIT. ALSO PROVIDE SHUT OFF VALVE, DIRT LEG AND REGULATOR AT FIRE PIT.
5. PROVIDE 1 1/4" CONDENSATE DRAIN FROM FAN COIL UNIT. ROUTE TO MOP SINK AND TERMINATE ABOVE SPILL LINE.
6. BALANCE AT INDICATED GPM.
7. CONTRACTOR TO COORDINATE WITH THE UTILITY FOR INSTALLATION AND TO CONFORM TO ALL UTILITY REQUIREMENTS.
8. SURFACE MOUNTED IN FLOOR HEAT MANIFOLD

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Description	Date	Num
Addendum #1	11/28/2022	1
SIW02	05/02/2023	2
PS004	07/11/2023	3

Comm: 222064
Date: 11/08/22
Drawn: AG
Check: JM

HYDRONIC PLAN

Scale: As indicated

M2.0

MN

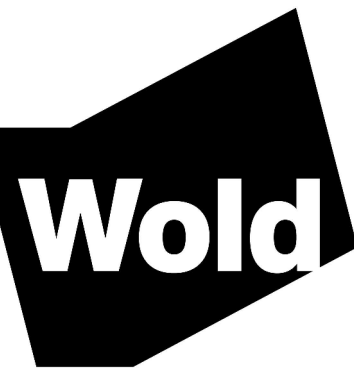
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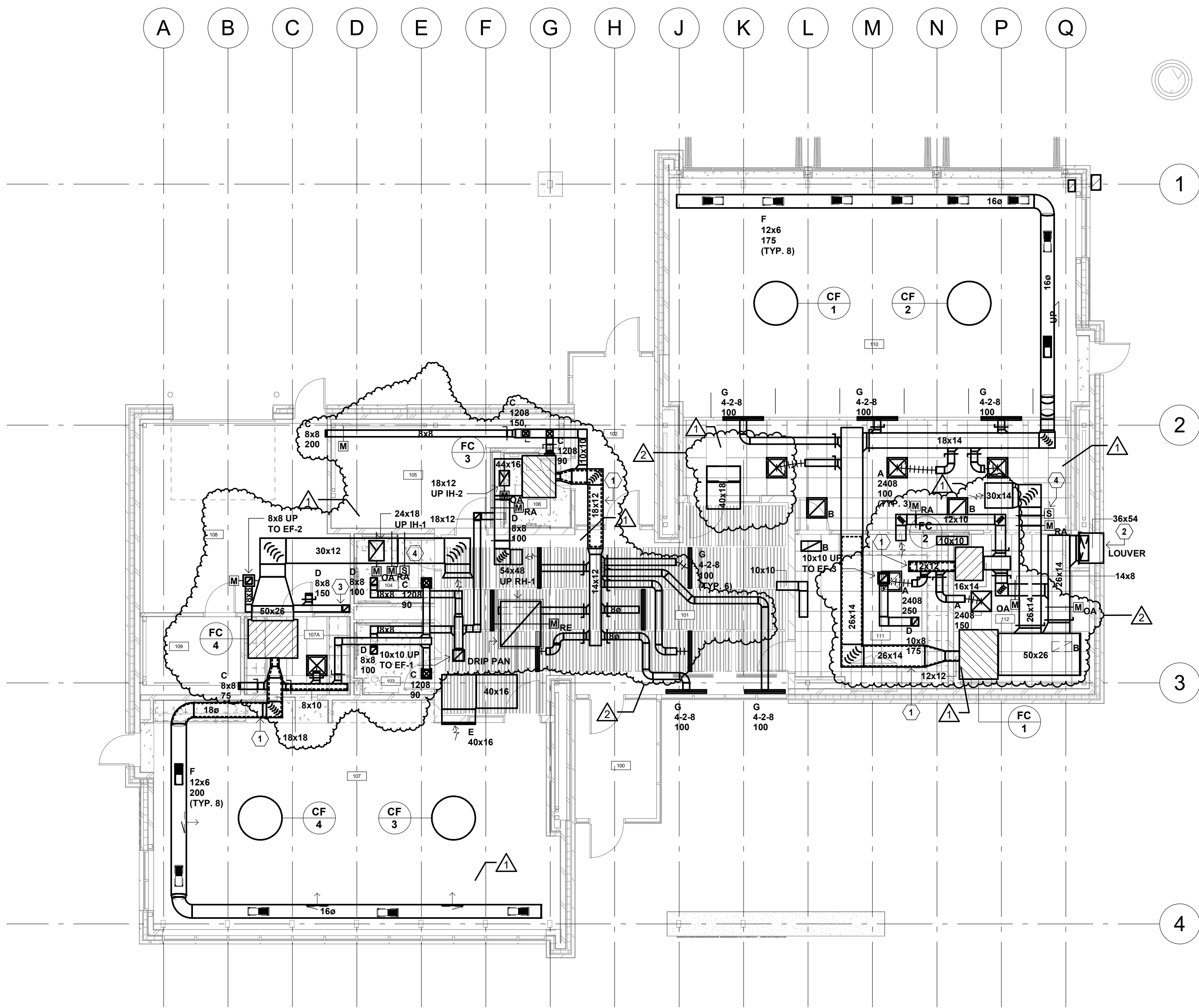
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E4 HVAC PLAN
1/8" = 1'-0"

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Ron M. Mulla
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Description	Revisions	
	Date	Num
Addendum #1	11/28/2022	1
PR004	07/11/2023	2

Comm: 222064
Date: 11/08/22
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Check: JM
North

HVAC PLAN

Scale: 1/8" = 1'-0"

M3.0

MN

GLACIAL VALLEY
PARK BUILDING

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GROVE, MN 55016

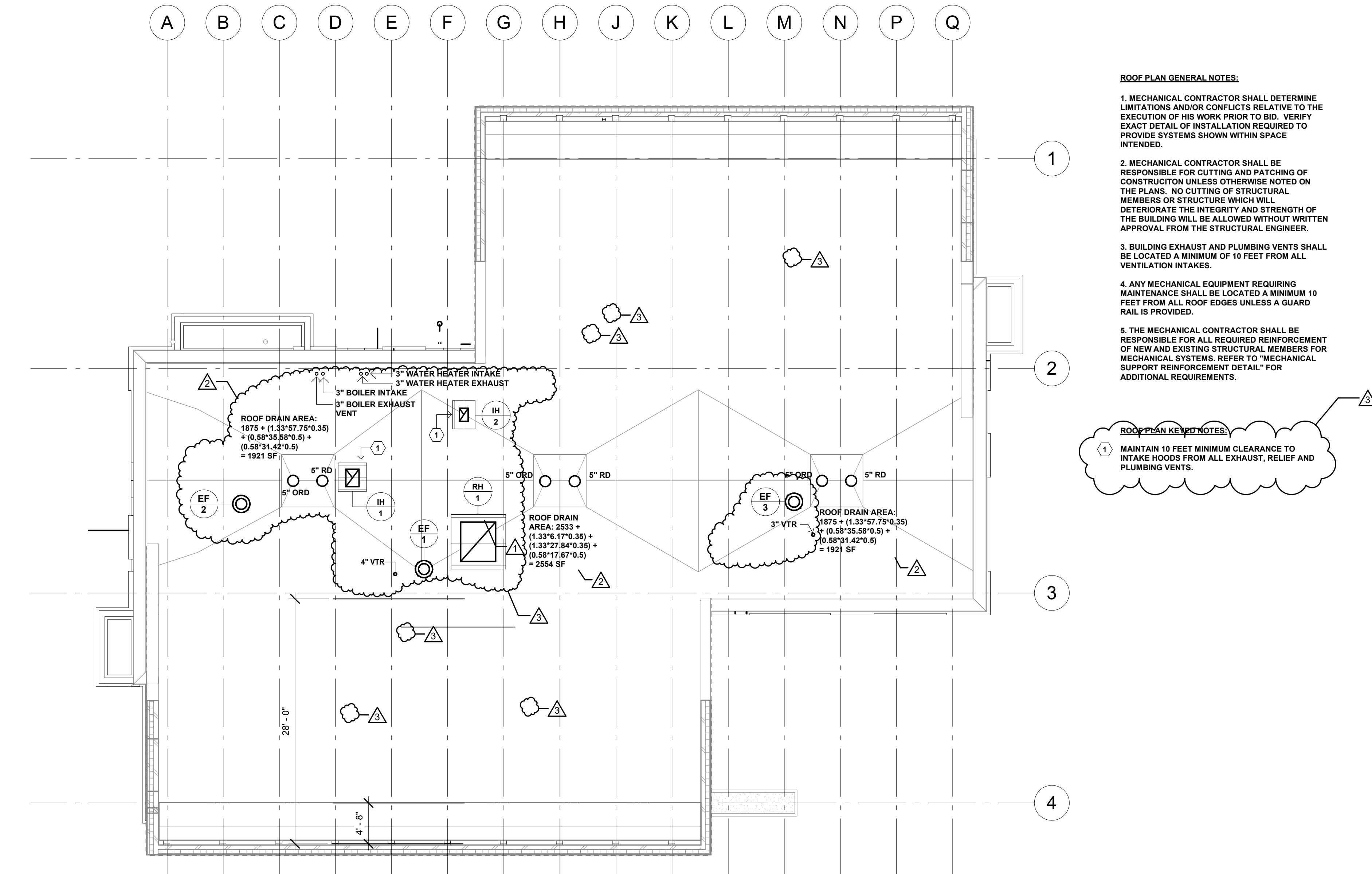
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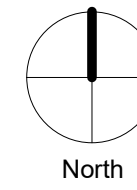
E4 MECHANICAL ROOF PLAN
1/8" = 1'-0"

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Rene M. Moll
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Revisions		
Description	Date	Num
Addendum #1	11/28/2022	1
SIR01	02/06/2023	2
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Date: 11/08/22
Drawn: AG
Check: JM



MECHANICAL
ROOF PLAN

Scale: 1/8" = 1'-0"

M4.0

MN

M

BOILER SCHEDULE (B-X)											
UNIT NO.	MANUFACTURER	MODEL NUMBER	NOMINAL HP	TYPE	FUEL	FIRING RATE MBH/GPH	GROSS OUTPUT MBH	AMPS	VOLTS	PHASE	REMARKS
B-1	LOCHINVAR	WB28SN	7.9	FIRE TUBE-COND.	NG	285	264	7.0	120	1	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

EXHAUST FAN AND TRANSFER FAN SCHEDULE															(EF-X)				
UNIT NO.	SERVES	LOCATION	MANUFACTURER	MODEL NO.	TYPE	CFM	TOTAL S.P. W.C.	DRIVE	EC MOTOR	RPM	HP	VOLTS/ PHASE	MAKE-UP AIR SOURCE	MOTORIZED DAMPER	CONTROL				REMARKS
															BAS TIME OF DAY	BAS TIMED PUSH BUTTON	BAS TEMPERATURE SENSOR	OTHER - REFER TO SPECIFICATION	
EF-1	103, 104, 106 - TOILET ROOMS	ROOF	COOK	90 ACEH	PRV	300	0.5	DIRECT	YES	1487	1/4	120/1	FANCOIL	NO	YES	NO	NO	NO	1, 2, 3
EF-2	108 - PARKS STORAGE	ROOF	COOK	90 ACEH	PRV	300	0.5	DIRECT	YES	1487	1/4	120/1	FANCOIL	YES	NO	NO	NO	NO	1, 2, 4
EF-3	111 - KITCHENETTE/SERVING	ROOF	COOK	191 ACED OR79	PRV	115	0.375	DIRECT	YES	1317	1/4	120/1	FANCOIL	NO	YES	NO	NO	NO	1, 2, 3

NOTES:
1. 120/1 VOLT FANS SHALL BE PROVIDED WITH A FACTORY MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH EC MOTOR.
3. PROVIDE WITH A GRAVITY BACK DRAFT DAMPER UNLESS A MOTORIZED DAMPER IS INDICATED TO BE PROVIDED.
4. WHERE MOTORIZED DAMPERS ARE INDICATED, THE DAMPERS AND ACTUATORS SHALL BE PROVIDED BY THE BAS CONTRACTOR AND INSTALLED BY DIV 23 CONTRACTOR.

DOMESTIC WATER HEATER SCHEDULE													
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS OR ELEC)	MBH INPUT	STORAGE CAP. (GALLONS)	GPH RECOVERY @ 90° RISE	WATER TEMP.	VENT SIZE	VOLTS	PHASE	AMPS	REMARKS
WH-1	LAVS AND KITCHENETTES	A.O. SMITH	BTH 120	GAS	120	60	154	110°	3	120	1	5.0	1,2,3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH ASME RATED PRESSURE/TEMPERATURE RELIEF VALVE.
3. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.

FAN SCHEDULE											CF X
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	STYLE	CFM	DIAMETER IN.	WATTS	VOLTS	PH	REMARKS	
CF-1	110 - MULTIPURPOSE	MINKAIRE	F524-CL	CEILING MOUNTED	1110	52	22	120	1	1, 2	
CF-2	110 - MULTIPURPOSE	MINKAIRE	F524-CL	CEILING MOUNTED	1110	52	22	120	1	1, 2	
CF-3	107 - CLASSROOM PROGRAMS	MINKAIRE	F524-CL	CEILING MOUNTED	1360	52	22	120	1	1, 2	
CF-4	107 - CLASSROOM PROGRAMS	MINKAIRE	F524-CL	CEILING MOUNTED	1360	52	22	120	1	1, 2	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH REMOTE WALL MOUNTED SPEED CONTROL.

UNIT HEATER/CABINET UNIT HEATER SCHEDULE													UH	CUH
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS, HW OR ELEC)	CABINET	CFM	RPM	HP	VOLTS	PHASE	MBH	GPM	REMARKS	
UH-1	108 - PARKS STORAGE	ZHENDER-RTITLING	RH-193	HW		2900	-	1/4	120	1	65.6	6.6	1, 2, 5	
CUH-1	102 - NORTH VESTIBULE	ZHENDER-RTITLING	RRW-330-08	HW	WALL	810	-	1/16	120	1	34.9	3.7	1, 2, 3, 4, 5	
CUH-2	100 - SOUTH VESTIBULE	ZHENDER-RTITLING	RRW-330-08	HW	WALL	810	-	1/16	120	1	34.9	3.7	1, 2, 3, 4, 5	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. UNITS ARE SELECTED WITH 125 DEGREE ENTERING WATER AND 105 DEGREE LEAVING WATER WITH A 60 DEGREE ENTERING AIR TEMPERATURE.
3. UNITS SHALL BE VERTICAL WALL MOUNTED WITH BOTTOM INLET AND TOP OUTLET.
4. SEMI-RECESSED WITH 2 1/2" EXPOSED CABINET.
5. SELECT WITH 35% PROPYLENE GLYCOL.

GEOTHERMAL HEAT PUMP SCHEDULE (GHP-X)																	
UNIT NO.	SERVES	MANUF.	MODEL NO.	COMPRESSOR TYPE	REFRIGERANT TYPE	NUMBER OF MODULES	NOMINAL TONS	PIPE CONNECTION SIZE	LOAD EWT/LWT	LOAD GPM	LOAD P.D.-FT	COOLING DATA	HEATING DATA	OUTPUT MBH	COP	ELECTRICAL	REMARKS
GHP-1	GEOTHERMAL WELL FIELD	MULTISTACK	MSR030X	SCROLL	R410A	1	1(30)	6"	84.0/42.0	69.64	11.95	77/87	100/7	23.25	31.69	4.74	109/125

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WELL FIELD WITH 35% PROPYLENE GLYCOL AND BUILDING LOOP WITH 35% PROPYLENE GLYCOL.

CONVECTOR SCHEDULE										
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	TYPE	SIZE LxHxD	ENT. WATER	LVG. WATER	MBH	GPM	REMARKS
CV-1	106 TOILET	ZHENDER-RTITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2
CV-2	104 TOILET	ZHENDER-RTITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2
CV-3	103 TOILET	ZHENDER-RTITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

WATER SOFTENER SCHEDULE															WS-X
UNIT NO.	MANUFACTURER	MODEL NUMBER	TYPE	EXCHANGE CAPACITY PER TANK (GRAINS)		FLOW RATE (GPM)		RESIN (CU. FT.)	BACKWASH FLOW RATE (GPM)	BRINE TANK STORAGE (LBS)	SOFTENER TANK SIZE	BRINE TANK SIZE	INLET/OUTLET HEADER PIPE SIZE	REMARKS	
				7 LBS SALT PER CU. FT.	13 LBS SALT PER CU. FT.	STD. @ 15 PSI	PEAK @ 25 PSI								
WS-1	WCC	MF-120 MR	CATION EXCHANGE	92,000	120,000	33	45	4	7	650	16W x 65H	24W x 50H	1.5"	1, 2, 3	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH DIGITAL DISPLAY PROGRAMMABLE CONTROLLER.
3. CONNECT MECHANICAL CONTROLLER TO INLET AND OUTLET HEADERS AS INDICATED ON DRAWINGS.

SIDE STREAM FILTER SCHEDULE F X									
UNIT NO.	SERVES	MANUFACTURER	MODEL NO. 	FILTER TYPE	DESIGN FLOW RATE (GPM)	MAXIMUM FLOW RATE (GPM)	CONNECTION SIZE 	MAXIMUM PRESSURE DROP (PSI)	REMARKS
F-1	GEOTHERMAL PLANT	WESSELS	4NBF12-2F	BAG	60-140	160	2"	0.75	1, 2, 3
F-2	GEOTHERMAL PLANT	WESSELS	4NBF12-2F	BAG	60-140	160	2"	0.75	1, 2, 3

NOTES:
1. FIELD INSTALLED ACCESSORIES INCLUDE AT A MINIMUM PRESSURE GAUGES ON THE INLET/OUTLET, ISOLATION SHUTOFF VALVES, UNION CONNECTIONS, AND A BALANCING VALVE FOR THE FLOW INDICATED.
2. THE MECHANICAL CONTRACTOR SHALL VERIFY INLET AND OUTLET CONFIGURATION.
3. MAXIMUM PRESSURE DROP IS BASED UPON A 5 MICRON CLEAN FILTER.

RADIANT IN FLOOR HEAT SCHEDULE														
UNIT NO.	SERVES	GROSS AREA SF	TUBE TYPE	MANUFACTURER	TUBE SPACING	LOOP LENGTH	# OF LOOPS	LOAD PER SF	TEMP DROP	GPM	HEAD LOSS	REQUIRED WATER TEMP	TOTAL RADIANT LOAD (BTU/HR)	REMARKS
IF-1	ZONE 1	1394	hNPEX 1/2"	UPONOR	12"	299'	5	30	20°	4.63	14.3	126	43911	1, 2, 3
IF-2	ZONE 2	451	hNPEX 1/2"	UPONOR	12"	246'	2	30	20°	1.50	8.2	126	14267	1, 2, 3
IF-3	ZONE 3	615	hNPEX 1/2"	UPONOR	12"	225'	3	30	20°	2.04	6.4	126	19373	1, 2, 3
IF-4	ZONE 4	921	hNPEX 1/2"	UPONOR	12"	250'	4	30	20°	3.06	8.7	126	29012	1, 2, 3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECTED WITH 35% PROPYLENE GLYCOL.
3. PROVIDE ALL SLAB PIPING, MANIFOLDS, SENSORS, AND CONTROLS.

PUMP SCHEDULE (P-X)																	
UNIT NO.	SERVES	LOCATION	MANUFACTURER	SERIES	MODEL NUMBER	TYPE	DESIGN GPM	DESIGN HEAD	50% FLOW HEAD	SHUTOFF HEAD	IMP. SIZE	EFF.	SUC. SIZE	DISCH. SIZE	RPM	MOTOR	REMARKS
P-1	HEATING/CHILLED	MECHANICAL ROOM	B&G	SERIES 4-80	2X2X9.5C	INLINE	75	70	72	73	9.126"	81%	2"	2"	1800	5	208 3 YES 1,3,4
P-2	HEATING/CHILLED	MECHANICAL ROOM	B&G	SERIES 4-80	2X2X9.5C	INLINE	75	70	72	73	9.126"	81%	2"	2"	1800	5	208 3 YES 1,3,4
P-3	WELL FIELD	MECHANICAL ROOM	B&G	SERIES 4-80	3X3X11B	INLINE	105	100	102	105	10.25"	49%	3"	3"	1800	10	208 3 YES 1,3,5
P-4	WELL FIELD	MECHANICAL ROOM	B&G	SERIES 4-80	3X3X11B	INLINE	105	100	102	105	10.25"	49%	3"	3"	1800	10	208 3 YES 1,3,5
P-5	INFLOOR HEAT ZONE #1	110	B&G	PL	PL 55	INLINE	4.6	45	48	52	-	21%	1"	1"	3600	2/5	120 1 NO 1, 4
P-6	INFLOOR HEAT ZONE #2	112	B&G	PL	PL 55	INLINE	1.5	38	45	52	-	19%	3/4"	3/4"	3600	2/5	120 1 NO 1, 4
P-7	INFLOOR HEAT ZONE #3	MECHANICAL ROOM	B&G	PL	PL 55	INLINE	2.0	34	44	52	-	19%	3/4"	3/4"	3600	2/5	120 1 NO 1, 4
P-8	INFLOOR HEAT ZONE #4	107	B&G	PL	PL 55	INLINE	3.1	39	45	52	-	20%	3/4"	3/4"	3600	2/5	120 1 NO 1, 4
P-9	DOMESTIC HW RECIRC.	MECHANICAL ROOM	B&G	NBF	NBF-22	INLINE	3.0	12	14	15	-	20%	3/4"	3/4"	3600	1/8	120 1 NO 1, 2
P-10	DRIP PAN	MECHANICAL ROOM	B&G	SERIES 4-80	1.5X3.1X4.5U-20	ONLINE	20	54	54	57	-	1.25"	1.25"	1.25"	1200	1/2	120 1 NO 1, 2
P-11	FAN COIL #1 & #2	112	LITTLE GIANT	VCMA-15	554405	STANDARD	0.4	10	10	15	-	-	1-1/8"	3/8"	1450	115	1 NO 1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AND INSTALL A STRAP-ON LINE VOLTAGE ADJUSTAT TO CYCLE PUMP. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR FOR WIRING.
3. VARIABLE FREQUENCY DRIVES SHALL BE PROVIDED BY THE BUILDING AUTOMATION SYSTEM CONTRACTOR. ALL VARIABLE FREQUENCY DRIVES FOR THE ENTIRE PROJECT SHALL BE BY THE SAME MANUFACTURER.
4. SELECT WITH 35% PROPYLENE GLYCOL.
5. SELECT WITH 25% PROPYLENE GLYCOL.

EXPANSION TANK SCHEDULE												ET 'X'
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TANK TYPE	AVERAGE WATER TEMP.	MINIMUM PRECHARGE PRESS. (PSIG)	MAXIMUM OPER. PRESSURE (PSIG)	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	TANK HEIGHT	TANK DIA.	REMARKS
ET-1	HEATING / CHILLED WATER	B&G	BBS-LA	BLADDER	115	12	30	22	11	34"	16"	1, 2
ET-2	CONDENSER WATER	B&G	BBS-LA	BLADDER	80	12	30	22	11	34"	16"	1, 2
ET-3	DOMESTIC HW	B&G	PLT-12	DIAPHRAGM	110	70	150	4.5	2.8	13.6"	10.5"	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

FAN COIL UNIT SCHEDULE																									
UNIT NO.	TYPE	CFM @ HIGH SPEED	COOL. MBH	MIN. ESP. P.D.	COOLING DATA								HEATING DATA								FAN DATA			REMARKS	
					EAT DBWB	LAT DBWB	EWT LWT	MBH	GPM	FLUID P.D.	AIR P.D.	EAT DB	LAT DB	EWT LWT	MBH	GPM	FLUID P.D.	AIR P.D.	VOLTS	PHASE	HP	MOTOR TYPE			
FC-1	ENVIRO-TEC, BCU-30	2000	250	665	1.55	78/64.7	54.8/54.6	42	54	58.9	10.5	6.54	0.32	47.5	91	125	105.1	95.4	10.2	10.0/1	0.1	208	3	1 1/2 ECM	1, 2
FC-2	ENVIRO-TEC, HPP908	400	175	175	0.73	80.6/66.7	53.0/52.8	42	54	15.82	3.0	4.28	-	31.8	90.8	125	105	27.55	2.80	4.57	-	120	1	1/3 ECM	1, 2
FC-3	ENVIRO-TEC, BCU-20	1250	160	350	1.0	77.3/64.2	53.2/53.2	42	54.1	39.5	7.0	5.77	0.26	51.9	91.6	125	105	54	5.7	3.18	0.16	208	3	1 ECM	1, 2
FC-4	ENVIRO-TEC, BCU-30	2015	280	675	1.25	77.6/61.7	54.1/52.6	42	54	80.7	9.0	5.28	0.33	49.8	91.6	125	105	92	9.7	9.23	0.1	208	3	1 1/2 ECM	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

INTAKE AND RELIEF HOOD SCHEDULE										(RH-X)
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE	CFM	MAX. SP IN W.C.	THROAT SIZE	BACKDRAFT DAMPER (YES/NO)	REMARKS	
IH-1	FC-1, FC-2	COOK	24x18GI	GRAVITY RELIEF HOOD	2700	0.110	18x18	NO	1, 2	
IH-1	FC-4	COOK	24x18GI	GRAVITY INTAKE HOOD	2400	0.110	24x18	NO	1, 4	
IH-2	FC-3	COOK	18x12GI	GRAVITY INTAKE HOOD	1250	0.031	18x12	NO	1, 4	

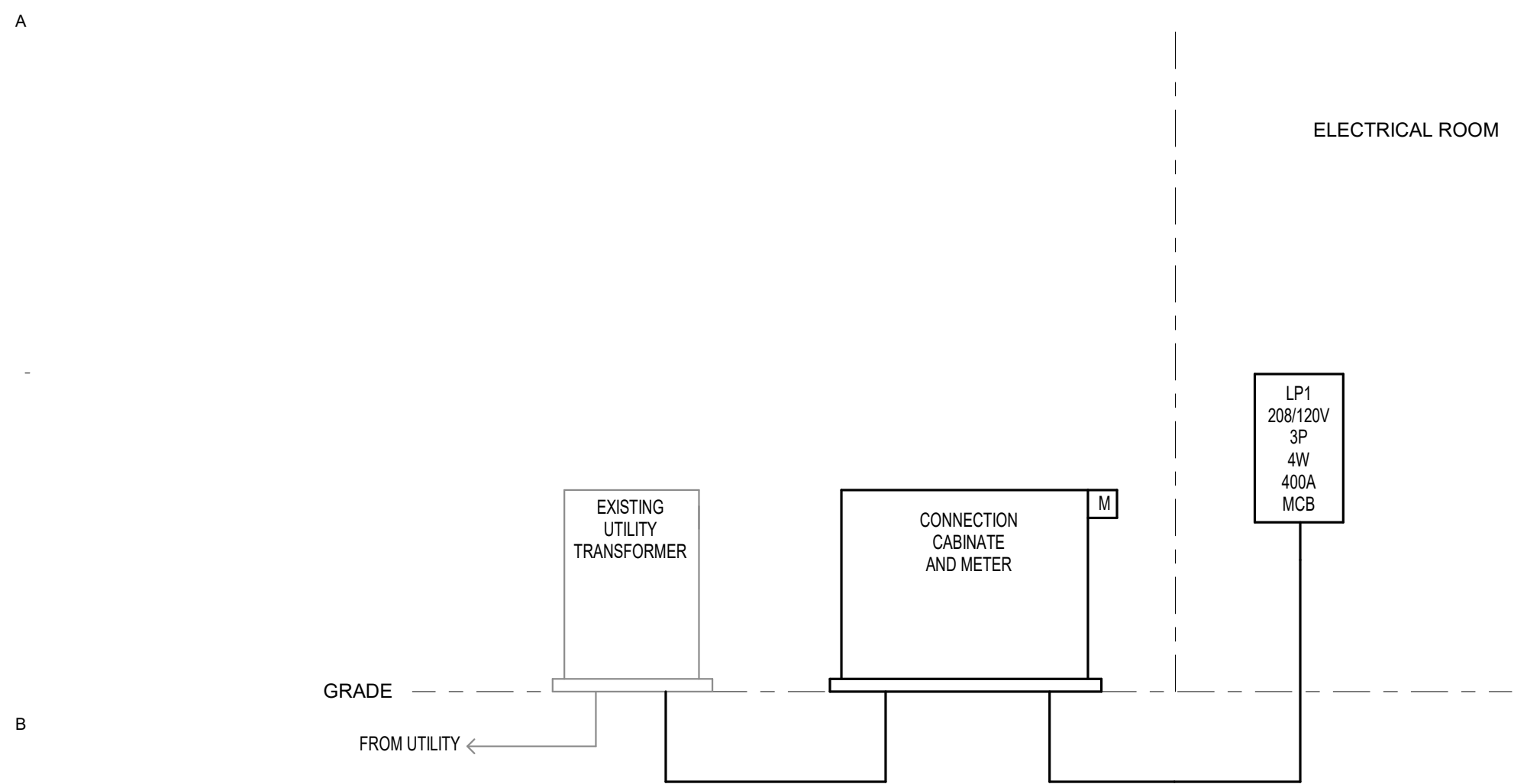
NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. ALL INTAKE AND RELIEF HOODS ARE SHALL HAVE LOCKABLE HINGED OPENINGS.
3. PROVIDE WITH 24" HIGH CURB.
4. PROVIDE WITH 30" HIGH ROOF CURB.

AIR SEPARATOR SCHEDULE							
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	MAX. GPM	INLET/OUTLET SIZE	BLOWDOWN SIZE	REMARKS
AS-1	WELL FIELD	BELL & GOSSETT	RL-3	190	3"X3"	1"	1, 2
AS-2	BUILDING	BELL & GOSSETT	RL-3	190	3"X3"	1"	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

PLUMBING FIXTURE SCHEDULE												
FIX. NO.	FIXTURE TYPE	MINIMUM TRAP SIZE	MINIMUM DRAIN SIZE	VENT SIZE	CW SIZE	HW SIZE	TEPID WATER SIZE	VACUUM	LAB GASES			REMARKS
									AIR	NAT. GAS	OTHER	
P-1H	WATER CLOSET (ADA)	3"	4"	2"	1 1/4"	-	-	-	-	-	-	ADA COMPLIANT -
P-2H	LAVATORY (ADA)	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT -
P-3	MOP BASIN	3"	3"	1 1/2"	3/4"	3/4"	-	-	-	-	-	-
P-4	WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT ADA COMPLIANT
P-5	SINGLE SINK	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT -
P-6	SINGLE SINK (WIDE)	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT -
P-7	EMERGENCY EYEWASH	-	-	-	1/2"	1/2"	1/2"	-	-	-	-	WALL MOUNTED ADA COMPLIANT

MN



B1 RISER DIAGRAM N.T.S.

RISER NOTE:

- PANELBOARD SHALL BE SQUARED NQ OR APPROVED EQUAL.

FLOOR BOX (FB) SCHEDULE			
TYPE	DESCRIPTION	FACEPLATE	COVER
FB2	3-GANG, 4 POWER, 2 DATA, RECESSED DUAL SERVICE FLOORBOX CAST IRON, ROUND WIREMOLD RESOURCE RFMBE SERIES OR APPROVED EQUAL	(2) DUPLICATE FACEPLATE FOR POWER WIREMOLD RFB60P OR APPROVED EQUAL (1) STYLELINE FACEPLATES FOR SIGNAL WIREMOLD RFB60FI OR APPROVED EQUAL	FLUSH, FLANGED LID BRUSHED ALUMINUM FINISH SUITABLE FOR TILE CARPET INSTALLATION WIREMOLD CUT OR APPROVED EQUAL PROVIDE SILICON BEAD AROUND OUTER EDGE OF COVER TO SEAL FROM MOISTURE

LIGHTING CONTROLS SCHEDULE						
MARK	INTENDED LOCATIONS OF USE	WALL SWITCH #LEGS	OCF SENSOR LOCATION	MANUAL (AUTO)	DIMMING	DAY LIGHT
A	MULTIPURPOSE, CLASSROOM	2	CEILING	MANUAL		
B	KITCHENETTE	1	CEILING	MANUAL	X	
C	STORAGE	1	WALL	MANUAL		
D	RESTROOMS	NONE	CEILING	AUTO		
E	PARKS STORAGE	1	NONE	MANUAL		
F	LOBBY/VEST	NONE	NONE	AUTO		
G	ELECTRICAL/MECHANICAL ROOMS	1	NONE	MANUAL		

GENERAL NOTES:
A. SCHEMATIC IS SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLAN.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

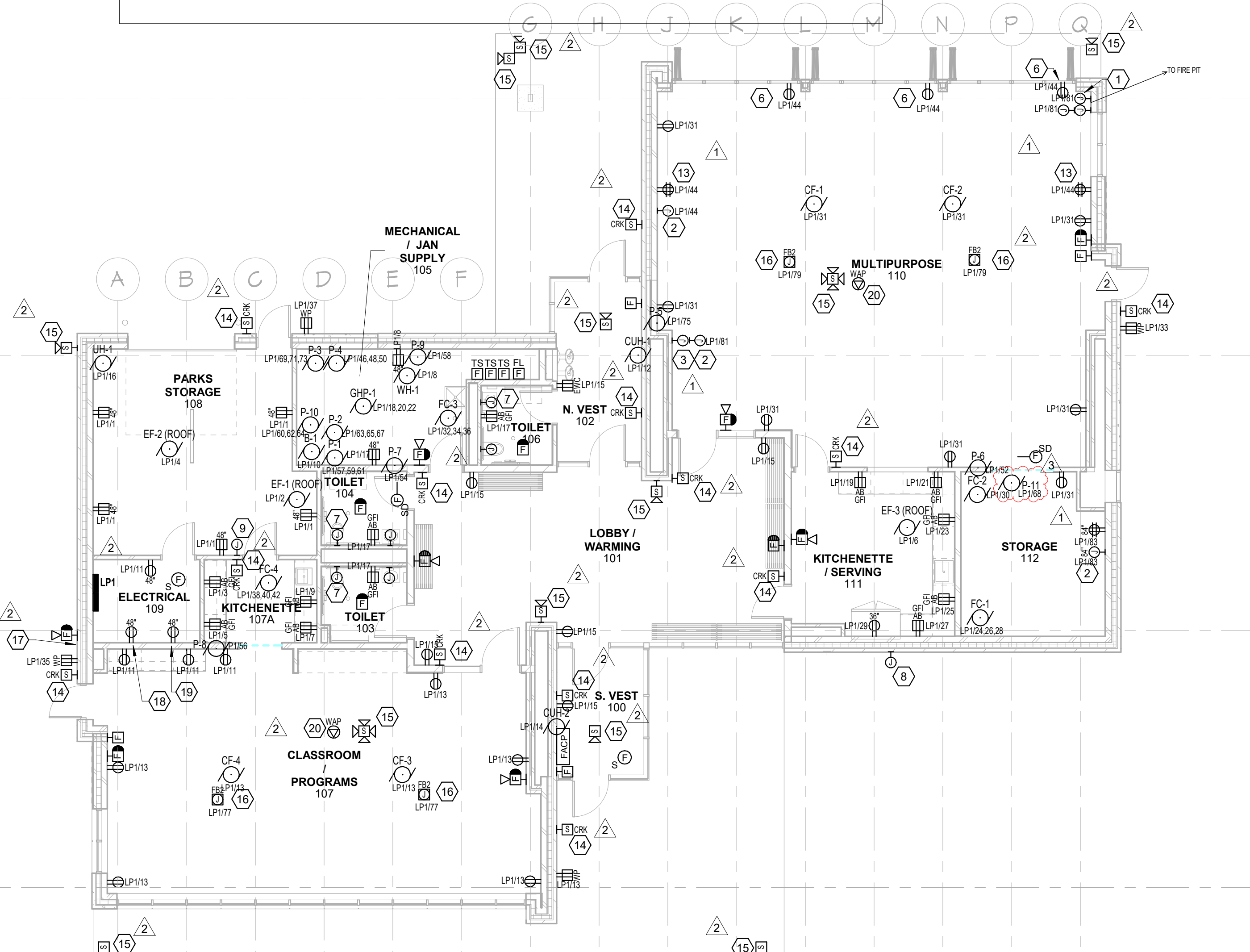
3 PHASE FEEDER SCHEDULE (COPPER)			
FEEDER 3W (NO NEUTRAL)		FEEDER 4W (WITH NEUTRAL)	
ID	(AMPS)	CONDUIT-PHASE-GROUND	CONDUIT-PHASE-GROUND
20A	(1) 12°C, 3#12-1#12G	(1) 12°C, 4#12-1#12G	
30A	(1) 34°C, 3#10-1#10G	(1) 34°C, 4#10-1#10G	
40A	(1) 34°C, 3#8-1#8G	(1) 34°C, 4#8-1#8G	
50A	(1) 1°C, 3#6-1#10G	(1) 1°C, 4#6-1#10G	
60A	(1) 125°C, 3#4-1#8G	(1) 125°C, 4#4-1#8G	
80A	(1) 125°C, 3#3-1#8G	(1) 125°C, 4#3-1#8G	
100A	(1) 15°C, 3#1-1#8G	(1) 15°C, 4#1-1#8G	
125A	(1) 15°C, 3#1-1#8G	(1) 15°C, 4#1-1#8G	
150A	(1) 15°C, 3#10-1#8G	(1) 15°C, 4#10-1#8G	
175A	(1) 15°C, 3#20-1#8G	(1) 2°C, 4#20-1#8G	
200A	(1) 2°C, 3#30-1#8G	(1) 2°C, 4#30-1#8G	
225A	(1) 2°C, 3#40-1#8G	(1) 25°C, 4#40-1#8G	
250A	(1) 2°C, 3#250-1#4G	(1) 25°C, 4#250-1#4G	
300A	(1) 25°C, 3#350-1#4G	(1) 3°C, 4#350-1#4G	
400A	(2) 2°C, 3#30-1#3G	(2) 2°C, 4#30-1#3G	
500A	(2) 2°C, 3#250-1#2G	(2) 25°C, 4#250-1#2G	
600A	(2) 25°C, 3#350-1#1G	(2) 3°C, 4#350-1#1G	
800A	(3) 25°C, 3#300-1#10G	(3) 25°C, 4#300-1#10G	
1000A	(3) 3°C, 3#400-1#20G	(3) 3°C, 4#400-1#20G	
1200A	(4) 3°C, 3#350-1#30G	(4) 3°C, 4#350-1#30G	
1600A	(5) 3°C, 3#400-1#40G	(5) 3°C, 4#400-1#40G	
2000A	(6) 3°C, 3#400-1#250G	(6) 3°C, 4#400-1#250G	
2500A	(7) 3°C, 3#500-1#350G	(7) 3°C, 4#500-1#350G	
3000A	(8) 3°C, 3#500-1#400G	(8) 35°C, 4#500-1#400G	

GENERAL NOTES:
A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.
B. CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15 OF THE NEC FOR COPPER CONDUCTOR AT 90 DEG C FOR 100A AND BELOW. AMPACITIES ARE BASED ON 75 DEG C FOR 125A AND ABOVE.
C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DURATION FACTORS REQUIRED BY CODE AND/OR ARE OVERSIZED FOR VOLTAGE DROP.
D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.
E. CONDUIT ABOVE GRADE OUTDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.
F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.



F1 LIGHTING PLAN 1/8" = 1'-0"

PANELBOARD: LP1														
LOCATION: ELECTRICAL 109							VOLTAGE: 208Y/120 V, 3 ø 4 W.							
MOUNTING: SURFACE							A.F.C.... SEE SHORT CIRCUIT STUDY							
MAINS TYPE:							SPECIAL:							
MAINS AMPS: 400A														
BUS AMPS:														
FED FROM:														
#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT	#
1		PARKS STORAGE 108	RCPT	20 A	1	0.9	0.7			1	15 A	MTR	EF-1	2
3		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.7		1	15 A	MTR	EF-2	4
5		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.7	1	15 A	MTR	EF-3	6
7		KITCHENETTE 107A	RCPT	20 A	1	0.2	0.2			1	15 A	MTR...	WH-1	8
9		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.1		1	15 A	MTR	B-1	10
11		ELEC 109/CLASS 107	RCPT	20 A	1			0.7	0.5	1	15 A	MTR	CUH-1	12
13		CLASSROOM 107	MTR...	20 A	1	1.1	0.5			1	15 A	MTR	CUH-2	14
15		LOBBY 101/N&S VEST	RCPT	20 A	1		1.1	0.7		1	15 A	MTR	UH-1	16
17		RESTROOMS/MECH 105	RCPT	20 A	1			0.7	13.6	3	200 A	MTR	GHP-1	18
19		KITCHENETTE 111	RCPT	20 A	1	0.2	13.6			--	--	--	--	20
21		KITCHENETTE 111	RCPT	20 A	1		0.2	13.6		--	--	--	--	22
23		KITCHENETTE 111	RCPT	20 A	1			0.2	0.8	3	30 A	MTR	FC-1	24
25		KITCHENETTE 111	RCPT	20 A	1	0.2	0.8			--	--	--	--	26
27		KITCHENETTE 111	RCPT	20 A	1		0.2	0.8		--	--	--	--	28
29		KITCHENETTE 111	RCPT	20 A	1			0.2	0.9	1	15 A	MTR	FC-2	30
31		MULTI 110/STOR 112	MTR...	20 A	1	1.3	0.6			3	30 A	MTR	FC-3	32
33		EXTERIOR	RCPT	20 A	1		0.2	0.6		--	--	--	--	34
35		EXTERIOR	RCPT	20 A	1			0.2	0.6	--	--	--	--	36
37		EXTERIOR	RCPT	20 A	1	0.2	0.8			3	30 A	MTR	FC-4	38
39		STORAGE 108/ ELEC 109	LTG	20 A	1			0.4	0.8	--	--	--	--	40
41		TOILET/KITCH 107A	LTG	20 A	1			0.3	0.8	--	--	--	--	42
43		MECHANICAL 105	LTG	20 A	1	0.2	1.3			1	20 A	Other...	MULTIPURPOSE 110	44
45		N. VEST./S. EXTERIOR	LTG	20 A	1		0.2	3.7		3	60 A	MTR	P-4	46
47		S. VEST./S. EXTERIOR	LTG	20 A	1			0.2	3.7	--	--	--	--	48
49		CLASSROOM 107	LTG	20 A	1	1.7	3.7			--	--	--	--	50
51		KITCH/STORM/MULTI...	LTG	20 A	1		0.5	1.2		1	15 A	MTR	P-6	52
53		MULTIPURPOSE 110	LTG	20 A	1			1.7	1.2	1	15 A	MTR	P-7	54
55		LOBBY 101	LTG	20 A	1	1.8	1.2			1	15 A	MTR	P-8	56
57	P-1	MTR	30 A	3			2.0	0.5		1	15 A	MTR	P-9	58
59	--	--	--	--	--			2.0	0.3	3	30 A	MTR	P-10	60
61	--	--	--	--	--	2.0	0.3			--	--	--	--	62
63	P-2	MTR	30 A	3			2.0	0.3		--	--	--	--	64
65	--	--	--	--	--			2.0	0.0	1	20 A	--	MONUMENT LIGHTS	66
67	--	--	--	--	--	2.0	0.1			1	20 A	MTR	CONDENSATE PUMP	68
69	P-3	MTR	60 A	3			3.7	0.0		1	20 A	--	SPARE	70
71	--	--	--	--	--			3.7	0.0	1	20 A	--	SPARE	72
73	--	--	--	--	--	3.7	0.0			1	20 A	--	SPARE	74
75	P-5	MTR	15 A	1			1.2	0.0		1	20 A	--	SPARE	76
77	FLOORBOX 107	RCPT	20 A	1				0.0	0.0	1	20 A	--	SPARE	78
79	FLOORBOX 110	RCPT	20 A	1	0.0	0.0				1	20 A	--	SPARE	80
81	MULTIPURPOSE 110	Other...	20 A	1		0.0	0.0			1	20 A	--	SPARE	82
83	STORAGE 112	Other...	20 A	1				0.4	0.0	1	20 A	--	SPARE	84
TOTAL LOAD:					39 kVA					35 kVA				
TOTAL AMPS:					324 A					290 A				
LOAD CLASSIFICATION			CONNECTED			DEMAND			ESTIMATED			PANEL TOTALS		
LTG			7062 VA			125.00%			8828 VA			CONNECTED LOAD: 108770 VA		
MTR			92407 VA			111.01%			102584 VA			ESTIMATED DEMAND: 120570 VA		
Other			0 VA			0.00%			0 VA			CONNECTED CURRENT: 302 A		
RCPT			9900 VA			100.00%			9900 VA			EST. DEMAND CURRENT: 335 A		
Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX - Existing, GND - Grounding, HEAT - Winter Heating, KITCH- Kitchen, L MTR - Largest Motor, LTG - Lighting, MTR - Motor, RCPT - Receptacle														
Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered														
NOTES:														



F4 POWER & SYSTEMS PLAN 1/8" = 1'-0"

GENERAL SHEET NOTES - POWER

- SOME NOTES MAY NOT APPLY TO THIS SHEETS.
- ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.
- COORDINATE DEVICE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.
- NO MULT-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.
- VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
- PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN. CIRCUIT NUMBERS AT DEVICES CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE. BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
- PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.
- COORDINATE HEIGHTS OF ALL DEVICES WITH MILLWORK AND MODULAR FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.
- OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY-PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).</



KRAUS-ANDERSON®
Construction Company

501 South Eighth Street
Minneapolis MN 55404

Contract Change Order

Project: 2210103-02 Cottage Grove Glacial Valley Park
12800 Ravine Parkway South
Cottage Grove, MN 55016

Contract #: 2210103-WS 06-A

Contract Change Order #: 1

Change Order Date: 10/13/23

To Contractor : Ebert, Inc. dba Ebert Construction
23350 County Road 10
Corcoran, MN 55357

THE CONTRACT IS CHANGED AS FOLLOWS:

PCO	Item	Description	Amount
11	2	Carpentry per Wold PR #04.	(\$170.00)
12	1	No cost change per Wold PR #05.	\$0.00
13	1	No cost change per Wold PR #06.	\$0.00

Total (\$170.00)

The original Contract Sum was	\$363,300.00
The net change by previously authorized Change Orders was	\$0.00
The Contract Sum prior to this Change Order was	\$363,300.00
The Contract Sum will be decreased by this Change Order	(\$170.00)
The new Contract Sum will be	\$363,130.00

NOT VALID UNTIL SIGNED BY THE OWNER, CONSTRUCTION MANAGER, ARCHITECT AND CONTRACTOR

Kraus-Anderson Construction Company

CONSTRUCTION MANAGER (Firm name)

501 South Eighth Street
Minneapolis MN 55404

ADDRESS

BY (Signature)

Dan Kjellberg

(Typed name)

DATE:

Ebert, Inc. dba Ebert Construction

CONTRACTOR (Firm name)

23350 County Road 10
Corcoran, MN 55357

ADDRESS

BY (Signature)

(Typed name)

DATE:

Wold Architects & Engineers

ARCHITECT (Firm name)

332 Minnesota Street - Suite W2000
Saint Paul, MN 55101

ADDRESS

BY (Signature)

Jacob Wollensak

(Typed name)

DATE:

City Of Cottage Grove

OWNER (Firm name)

8635 W. Point Douglas Rd
Cottage Grove, MN 55016

ADDRESS

BY (Signature)

Jennifer Levitt

(Typed name)

DATE:



23350 County Road 10
Corcoran, MN 55357
Ph : 763-498-7844

Change Proposal

To: Kraus Anderson
416 South Broadway
Rochester, MN 55904

Number: 5
Date: 7/21/23
Job: 66001 City Cottage Grove-Glacial 6A
Phone:

Description: PCO # 11

Proposed are the following changes:
See pricing as requested for PCO # 11.

The total amount to provide this work is \$-170.00
(Please refer to attached sheet for details.)

If you have any questions, please contact me at 763-498-7844.

Pricing subject to review/change if not approved within 14 days of receipt.

Submitted by: Ebert Companies

Approved by: _____
Date: _____



23350 County Road 10
Corcoran, MN 55357
Ph : 763-498-7844

Change Proposal 5 Price Breakdown Continuation Sheet

Description: PCO # 11

Description	Labor	Material	Equipment	Subcontract	Other	Price
Rough Carpentry	\$-170.00					\$-170.00

Subtotal: **\$-170.00**

Total: **\$-170.00**



EBERT CONSTRUCTION

COST ISSUE

DATE: 7/19/2023

TO: Jake Stolquist
Ebert Construction
23350 County Road 10
Corcoran, MN 55357

PROJECT: 66001 Glacial Valley 6A
RE: PCO #11
DATE: 7/13/2023
TIME EXTENSION REQUESTED:

DESCRIPTION:

Changes per PCO #11.

MATERIAL/LABOR BREAK-DOWN						AMOUNT
Carpenter	Credit 1-pc blocking at louver jamb and head, 4-pc blocking at sill.	-2	Hrs	@	\$85.00	Hr = (\$170.00)
	Access Panel in gyp ceiling by WS #9A					
	Roof Blocking at added curbs by WS #7A					

APPROVAL

SIGN:

DATE:

DISTRIBUTION

TOTAL ADDITIONAL COST:

(\$170.00)

EBERT CONSTRUCTION

Prepared By:

Kevin Roehl



KRAUS-ANDERSON®
Construction Company

501 South Eighth Street
Minneapolis, MN 55404

Request For Proposal

Project:	2210103- Cottage Grove Glacial Valley Park 9900 Ravine Parkway South Cottage Grove, MN 55016	PCO #:	11
		Date:	07/13/2023

To: Matt Harder, Kraus-Anderson Construction Company
Jennifer Levitt, City Of Cottage Grove
Zac Dockter, City Of Cottage Grove
Jed Kittleson, American Structural Metals, Inc.
TJ Rokke, Architectural Sales Of Minnesota, Inc.
Amy Van Stippen, LaForce, LLC
Nicole Bolssen, LaForce, LLC
Eugene Hollister, Lake Area Roofing & Construction, Inc.
Dan Mycka, Modern Piping, Inc.
Eric Halvorson, NOVA Fire Protection, Inc.
Griffin Rahm, NOVA Fire Protection, Inc.
Nick Evans, NOVA Fire Protection, Inc.
Jerry Domino, S & J Glass, Inc.
Brodey Domino, S & J Glass, Inc.
Chris Keller, Steenberg-Watrud Construction, LLC
Matthew Rivera, Vinco Inc.
Juan Munoz, Vinco Inc.
Brad Feyereisen, Wasche Commercial Finishes, Inc.
Adam (PM) Mueller, Renovation Systems, Inc.
Jacob Wollensak, Wold Architects & Engineers
Michael Stephens, Wold Architects & Engineers
Allison Timmins, Wold Architects & Engineers
Steven Coddington, Park Construction Company
Jake Stolquist, Ebert Construction
Andy Lipe, Doorco, Inc.
Janelle Bittmann, Wild Cat Cleaning Services, LLC
Christian Goldman, Commercial Drywall, Inc.

Please provide a cost breakdown in accordance with the Contract Documents and a Summary for the Change described herein and on the attachments (if any) listed. All responses are required within seven (7) days.

This is not an authorization to proceed with the work described herein unless and until approved by the Owner. On approval, this change will be included in a Change Order, which will provide the formal Contract Change.

DESCRIPTION OF PROPOSAL:

Attachments: Wold PR #4 dated 7/12/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____

Please provide a cost estimate per the attached Wold Architects and Engineers PR #04 dated July 12, 2023 regarding mechanical layout revisions.

Attachments: Wold PR #4 dated 7/12/23

☐ We have reviewed the PCO and acknowledge that it is a "no change" item and does not affect our completion date.

Signed By: _____ Date: _____

Company Name: _____



PROPOSAL REQUEST

City of Cottage Grove	Glacial Valley Park Building
Kraus-Anderson	Attn: Dan Kjellberg/Rachel Struckman
501 South Eighth Street	
Minneapolis, MN 55404	
612.332.7281	
dan.kjellberg@krausanderson.com / rachel.struckman@krausanderson.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change. COST EXPECTATIONS: ☐ DEDUCT ☐ NO COST ☒ ADD	PR: 04
	Comm: 222064
	Const. Pkg: [Status]

Distribution:

- ☐ Adam Moshier, CG
- ☐ Zac Dockter, CG
- ☒ Dustin Phillips, KA
- ☒ Jake Wollensak, Wold
- ☒ Tom Clark, Wold
- ☒ Michael Stephens, Wold
- ☒ Allison Timmins, Wold
- ☒ Pat Jansen, Wold
- ☒ Angel Gonzalez, Wold
- ☒ Sean McNamara, Wold
- ☒ Derek Peterson, Wold
- ☐ Linda Peters, BKBM
- ☐ Drew Luebke, BKBM
- ☐ Jay Pomeroy, BMI
- ☐ Jeff Toutant, BMI

Item	Description
4	Mechanical Layout Revisions
4.1	See revised sheet M1.0 for updated west roof drain locations as per RFI#019; west roof drain has been shifted further east since RFI response to avoid conflict with structure. For updated VTR location. And for updated Storm Drain sizes as per RFI#013
4.2	See revised sheet M2.0 for updated FC 1,2,3,4 locations. For the addition of Condensate Pump (P-11) and its location and pipe connections.
4.3	See revised sheet M3.0 for updated duct routes. For the removal of the Louver in the mechanical room. For the addition of Intake Hood and their locations. For the new location of Exhaust Fan-1 and 2. For the new location of Relief Hood and the addition of a Drip Pan.
4.4	See revised sheet M4.0 for updated west roof drain locations as per RFI#019. For updated VTR, Exhaust Fan-1, Exhaust Fan-2, Boiler Intake and Exhaust Vent, Water Heater Intake and Exhaust Vent, and Relief Hood location. For the addition of Intake Hood and their locations. And for removing the thermostats from the roof.
4.5	See revised sheet M6.2 for updated Gravity Relief Hood Detail Also, for the addition the Gravity Hood Intake Detail. Provide with Damper actuators accessible from inside the hood. Framing for new roof openings to follow structural detail 13/S3.101.
4.6	See revised sheet M6.4 for updated Pump Schedule.

Wold Architects and Engineers
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

**PLANNERS
ARCHITECTS
ENGINEERS**



PROPOSAL REQUEST

PR: 04
Comm: 222064
Const. Pkg: [Status]
Page 2

Item	Description
	For updated Intake and Relief Hood Schedule.
4.7	See revised sheet E1.00 for the addition of the Condensate Pump (P-11) and its location.
4.8	See sheet E1.00 for revisions to lighting in Toilet 106.
4.9	Refer to sheet A2.001 for revisions to ceiling heights, ceiling transitions, and diffuser locations.
4.10	Refer to sheet A2.001 for lighting reductions and modified access panel in Toilet 106. Added Access panel (AP #3) shall be ceiling mounted 48" x 64" double door with cam latch per the attached drawing from Nystrom or equal.
4.11	Refer to revised architectural drawings for added wall type to maintain rating between Toilet 106 and Mechanical 105.
4.12	Refer to revised architectural drawings for deletion of louver L2 and subsequent alterations to exterior wall sections and exterior elevations.
4.13	Refer to revised roof plan on sheet A2.095 to modifications to roof drains, vents, exhaust fans, and roof hoods per mechanical revisions.

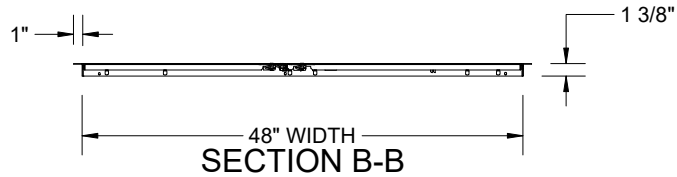
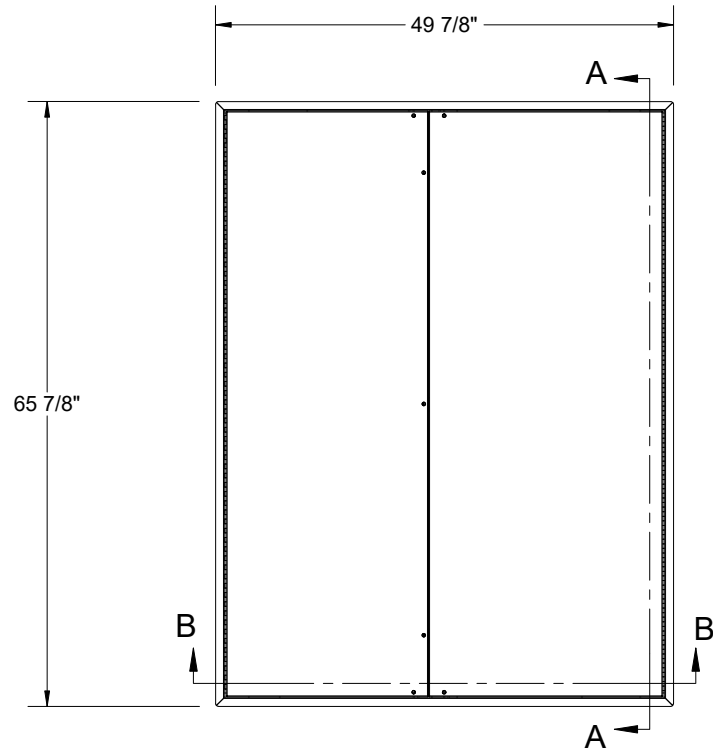
Attachments: A2.001, A2.095, A2.901, A4.101, A4.701, A5.101, A5.201, M1.0, M2.0, M3.0, M4.0, M6.2, M6.4, E1.0

Issued By: Michael Stephens

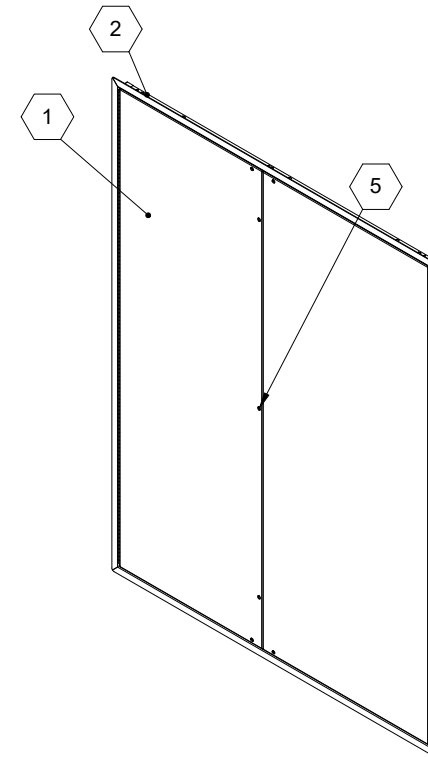
Date: 07/12/2023

Wold Architects and Engineers
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

**PLANNERS
ARCHITECTS
ENGINEERS**



SECTION A-A

**SPECIFICATIONS:**

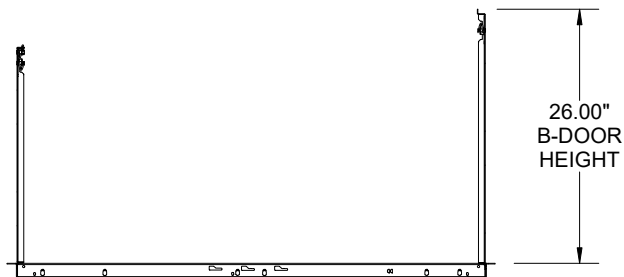
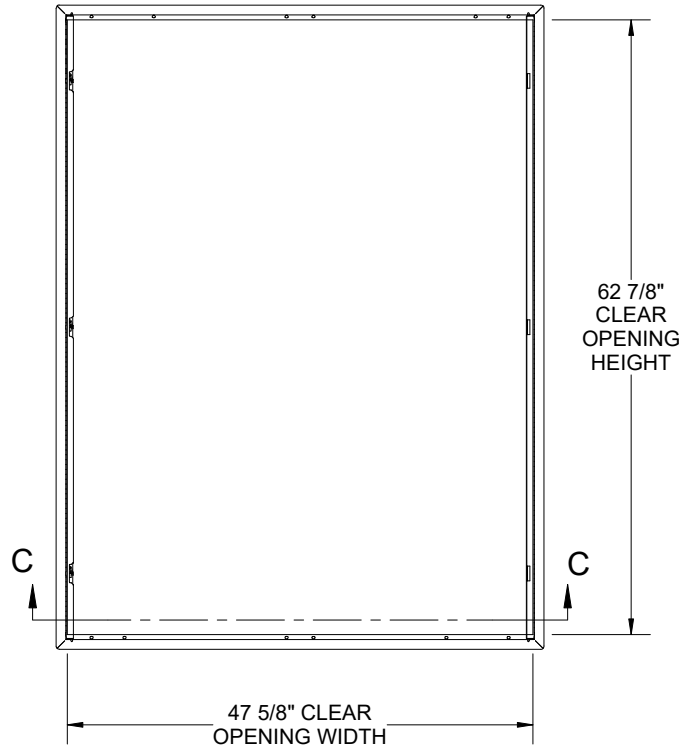
- ① **DOOR:** Galv 16 Ga
- ② **FRAME:** Steel 16 Ga, 1" Flange
- ③ **FINISH:** White Pwd
- ④ **HINGE:** Flush Continuous Hinge
- ⑤ **LATCH:** Screwdriver Cam

ROUGH OPENING: 48.25" x 64.25"
CLEAR OPENING: 46.31" x 62.88"
DEGREE OF OPENING: 125°

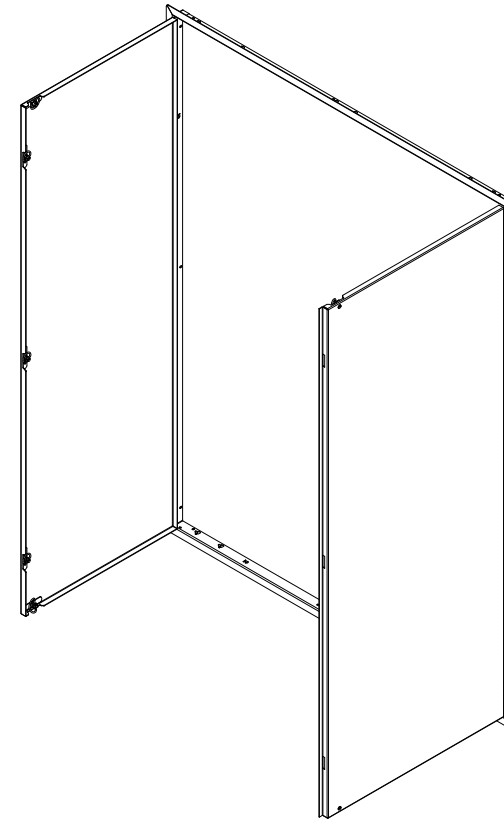
PROJECT:					
ARCHITECT:					
CONTRACTOR:					
QTY:					
PART#:				NTC4864D	
 9300 73rd Avenue North Minneapolis, MN 55428				TITLE: Access Door, Non-rated, 48x48, Double Door, Steel, White Pwd, Flush Dr, Drywall, ScrDvr Cam, Conc Cont Hgn,	
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DWO	5/16/23	A	Nystrom AD NTC4864D ShpDr	
RELEASED	DWO	5/16/23	WEIGHT: 74.1	SHEET 1 OF 2	

B

A



1/4" MOUNTING HOLE



B

A

PART#:			NTC4864D		
 9300 73rd Avenue North Minneapolis, MN 55428			TITLE: Access Door, Non-rated, 48x48, Double Door, Steel, White Pwd, Flush Dr, Drywall, ScrDvr Cam, Conc Cont Hgn,		
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DWO	5/16/23	A	Nystrom AD NTC4864D ShpDr	
RELEASED	DWO	5/16/23	WEIGHT: 74.1		SHEET 2 OF 2

MN

DOOR / OPENING SCHEDULE													
DOOR NO	TYPE	DOOR / OPENING		MATL	LABEL/ RATING	OVERALL WIDTH	FRAME		GL	MOUNTING CONDITIONS			REMARKS
		QTY	WIDTH/HEIGHT				DEPTH	MATL		HEAD	JAMB	SILL	
100A	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 01 1, 2
100B	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 3	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 03 1, 2
102A	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 01 1, 2
102B	AL	1	3'-4" 7'-10"	AL	--	3'-0"	SF 5	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 03 1, 2
103	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	06
104	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	06
105	F	1	3'-0" 7'-2"	WD	45 MIN	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	10 1
106	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	E7/A4.801	06
107A	FG	1	3'-6" 7'-10"	WD	--	7'-4"	FR 3A	8 3/8"	HM	--	B5/A4.801	C5/A4.801	12 1
107B	AL	1	3'-0" 7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 02 1
108A	F	1	3'-0" 7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	11 1
108B	F	1	3'-0" 7'-10"	HM	--	3'-4"	FR 1	11 3/4"	HM	--	C3/A5.602	E3/A5.602	04 1
108C	OH	1	10'-0" 8'-0"	ST	--	10'-4"	OH	--	HM	--	C3/A5.601	E3/A5.601	09 1
109	F	1	3'-0" 7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	07
110A	FG	1	3'-6" 7'-10"	WD	--	7'-4"	FR 3A	8 3/8"	HM	--	B5/A4.801	C5/A4.801	12 1
110B	AL	1	3'-0" 7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 02 1
111A	F	1	3'-0" 7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	08 1
111B	F	1	3'-0" 8'-0"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	09 1
111C	F	2	3'-0" 8'-7 1/4"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--	D3/A4.705	--	05 3
112	F	2	3'-0" 8'-7 1/4"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--	D3/A4.705	--	05 3
SF8	AL	1	12'-0" 7'-0"	AL	--	12'-0"	FOLDING GLASS DOOR	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION 13 4

DOOR SCHEDULE GENERAL NOTES

- ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
- FOR FRAME DEPTH, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED.
GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
MASONRY PARTITIONS:
4" WALL: 3 3/4" FRAME
6" WALL: 5 3/4" FRAME
8" AND GREATER WALL: 7 3/4" FRAME
FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME/DOOR TYPES (DETAIL SECTION 51000) FOR CORRESPONDING ACTUAL DIMENSIONS.
- FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:
INTERIOR NON RATED:
CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
INTERIOR AND EXTERIOR RATED:
FIRE RATED
EXTERIOR NON-RATED:
CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
- SEE SHEET A2.801 FOR FRAME TYPES.
- SEE SHEET A2.801 FOR DOOR TYPES.
- AT DOOR SCHEDULE, LABEL DESIGNATION "4520" INDICATES:
FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES. THE FRAME AND ADJACENT SIDE(LITE)S GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES.

DOOR SCHEDULE REMARKS

- CARD READER, SEE HARDWARE SPECIFICATIONS AND ELECTRICAL DRAWINGS.
- HANDICAP ACTUATORS (AT TWO EXTERIOR VESTIBULE DOORS).
- 9"5" OPENINGS FOR SLIDING BARN DOOR ASSEMBLIES.
- TOTAL QTY THREE (3) FOLDING GLASS DOORS - SEE STORE FRONT TYPES ELEVATIONS FOR ADDITIONAL INFORMATION.

PLAN GENERAL NOTES

- ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL. SEE WALL TYPES FOR ACTUAL THICKNESS.
- ALL GYP. WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
- ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
- COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
- FIELD VERIFY ALL MILLWORK OPENINGS.
- SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALL TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
- VERIFY LOCATION, SIZE AND QUANTITY OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT PADS.
- ALL DOORS/SLIDE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
- ALL GYP. WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
- FIRE RATED WALLS ARE INDICATED ON CODE PLANS.
- REFER TO DETAIL A7/A4.705 FOR TYPICAL JOINT TREATMENT BETWEEN GYPSUM BOARD AND MASONRY ASSEMBLIES.
- REFER TO SHEET A4.705 FOR TYPICAL SLAB ON GRADE VAPOR BARRIER DETAILS.

FLOOR PLAN KEY NOTES:

- DOOR ACTUATORS.
- INDUSTRIAL SHELVING, NIC.
- MOP SINK - SEE MECHANICAL.
- CABINET UNIT HEATER, SEE DETAIL B3/A4.705. SEE MECH. FOR SPECIFICATIONS, COORDINATE LOCATION WITH MECH.
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
- INTERIOR WOOD BENCH, SEE SPECIFICATION 12 67 00.
- PROVIDE IN-WALL BACKING AS REQUIRED FOR WALL-MOUNTED AV EQUIPMENT.
- PROVIDE RECESSED CABINET AND FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
- FRP 8'-0" AFF AND EXTENDING 2'-0" TO EACH SIDE OF MOP SINK/HOSE BIB U.N.O.; SEE SPECIFICATION 06 83 16.
- BOLLARD, SEE DETAIL C6/A6.001
- TRENCH DRAIN, SEE MECHANICAL.
- FOLDING GLASS DOOR SYSTEM.
- MANUFACTURED FIREPLACE; SEE CIVIL.
- CORNER GUARDS, TYP.; SEE SPECIFICATIONS.
- RECESSED FIRE DEPARTMENT KEYPAD LOCK BOX.
- EXTERIOR BENCH; SEE CIVIL.
- CONCRETE SPLASH BLOCK. SEE DETAIL B6/A6.001
- THERMALLY MODIFIED WOOD SIDING; SEE SPECIFICATIONS AND ELEVATION.
- HOSE BIB, SEE MECHANICAL.
- EMERGENCY EYEWASH, SEE MECHANICAL.
- AP #1: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.

ROOM FINISH SCHEDULE													
ROOM NO	ROOM NAME	FLOOR	BASE	N WALL - TYP		E WALL		S WALL		W WALL		REMARKS	
				MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN		
100	S. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	STONE VENEER	7	
101	LOBBY / WARMING	P TILE-1	VB-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	1, 2, 3, 7	
102	N. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	PT-6A	2	
103	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8	
104	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8	
105	MECHANICAL / JAN SUPPLY	S CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A		
106	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	2, 7, 8	
107	CLASSROOM / PROGRAMS	P TILE-1	VB-1	GYP BD	PT-6A	MASONRY	STONE VENEER	--	--	MASONRY	STONE VENEER	1, 3, 4, 5	
107A	KITCHENETTE	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	4	
108	PARKS STORAGE	S CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	6	
109	ELECTRICAL	S CONC.	--	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A		
110	MULTIPURPOSE	CPT-1	VB-1	--	--	MASONRY	STONE VENEER	GYP BD	PT-6A	MASONRY	STONE VENEER	1, 3, 5	
111	KITCHENETTE / SERVING	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	B. BLOCK	4	
112	STORAGE	CPT-1	VB-1	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	PT-6A	GYP BD	PT-6A		

ROOM FINISH SCHEDULE GENERAL NOTES

- SEE DETAILS OF CONSTRUCTION FOR ABBREVIATIONS
- IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N WALL-TYP" COLUMN WILL BE USED.
- DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
- ON WALLS WHICH ARE COVERED WITH MILLWORK AND TACK SURFACES, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND EXCEPT FOR LOCATIONS WHICH MAY BE EXPOSED (I.E. SPACE BETWEEN MILLWORK AND TACK SURFACE). CONCRETE BLOCK BEHIND MILLWORK AND MARKERSHARDS TO BE TOOLED.
- REFER TO MATERIAL FINISH COLOR SCHEDULE FOR SPECIFIC FINISH TYPES AND COLORS.
- FOR CEILING MATERIAL WHEN MORE THAN ONE CEILING MATERIAL OCCURS THE CEILING FINISH IS INDICATED THUS: "7".

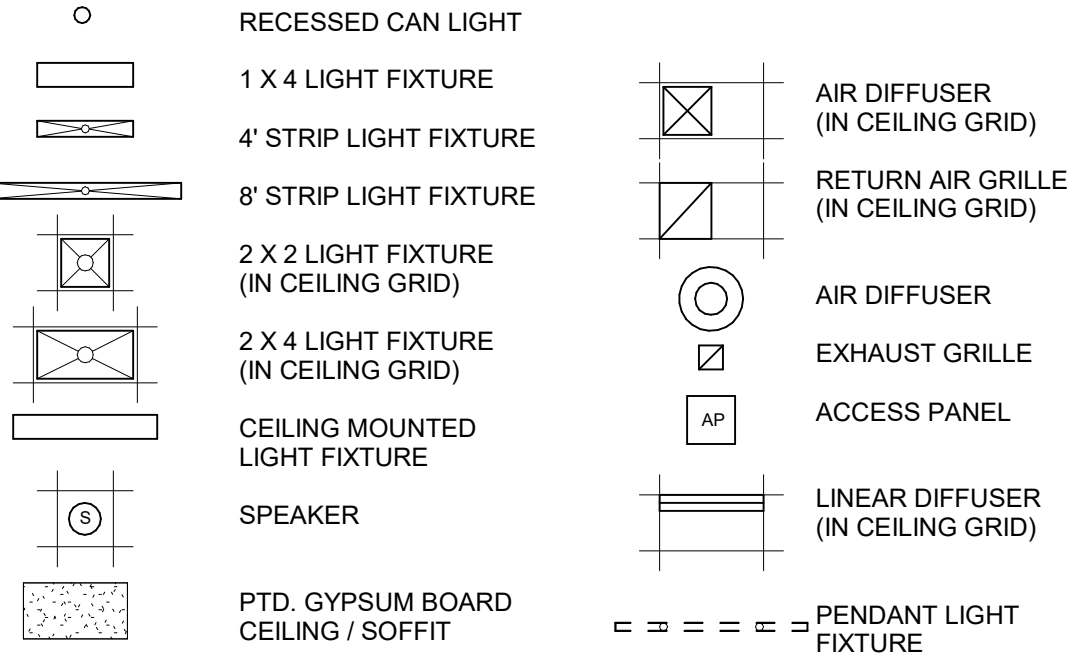
ROOM FINISH SCHEDULE REMARKS

- SEE INTERIOR ELEVATIONS FOR LOCATIONS OF BURNISHED BLOCK, PAINTED BLOCK, STONE, PAINT, AND VINYL BASE.
- PROVIDE REMOVABLE RESILIENT ATHLETIC FLOORING (RAF-1) INSTALLED OVER PERMANENT P-TILE FLOORING.
- PAINT CEILING AND ALL EXPOSED STRUCTURE (NOT INCLUDING GULI-LAM WOOD STRUCTURE), PIPES, CONDUIT, MECHANICAL, DUCTS AND VENTS.
- PROVIDE VINYL BASE AT CASEWORK.
- SEE INTERIOR ELEVATIONS SHEET A4.706 FOR GWB REVEAL LOCATIONS.
- SLOPE CONC. FLOOR TOWARDS TRENCH DRAIN. SEE PLANS FOR FLOOR SLOPING INFORMATION.
- BASE CONDITION VARIES FROM WALL TO WALL - REFER TO INTERIOR ELEVATIONS.
- PROVIDE EPOXY PT THROUGHOUT ROOM IN ALL LOCATIONS SCHEDULED FOR PT.

RCP KEY NOTES:

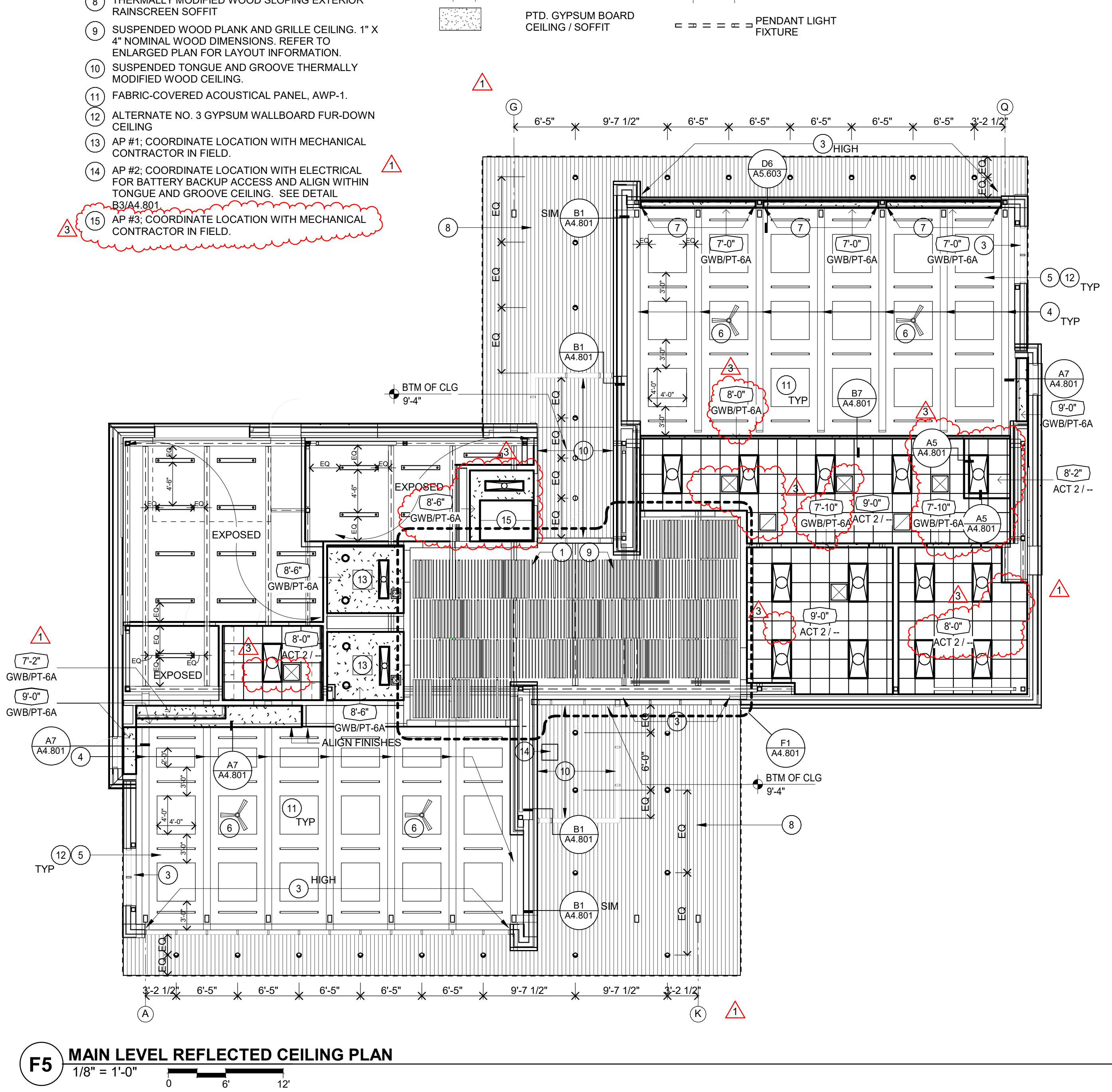
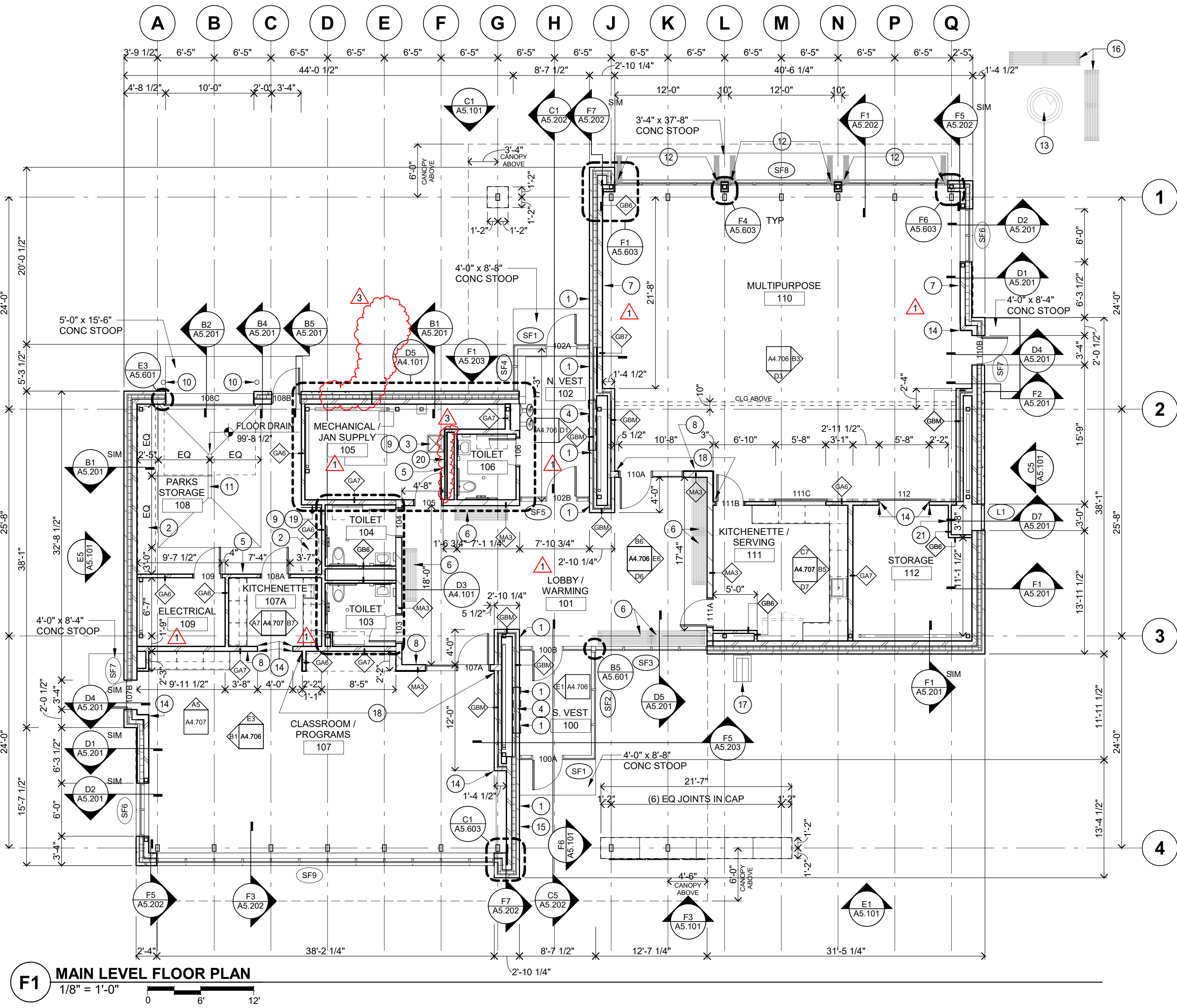
- PAINT ALL EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL AND WALLS ABOVE 9'-4" PT-8. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.
- INTERIOR MANUAL ROLLER SHADES.
- STAINED AND SEALED STRUCTURAL GLUE-LAMINATED BEAMS.
- PAINT EXPOSED METAL ROOF DECK, MECHANICAL AND ELECTRICAL PT-8. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- SUSPENDED CEILING FAN - SEE MECH.
- EXTERIOR MOTORIZED RETRACTABLE SCREENS (LOW).
- THERMALLY MODIFIED WOOD SLOPING EXTERIOR RAINSCREEN SOFFIT
- SUSPENDED WOOD PLANK AND GRILLE CEILING, 1" X 4" NOMINAL WOOD DIMENSIONS. REFER TO ENLARGED PLAN FOR LAYOUT INFORMATION.
- SUSPENDED TONGUE AND GROOVE THERMALLY MODIFIED WOOD CEILING.
- FABRIC-COVERED ACOUSTICAL PANEL, AWP-1.
- ALTERNATE NO. 3 GYPSUM WALLBOARD FUR-DOWN CEILING
- AP #1: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.
- AP #2: COORDINATE LOCATION WITH ELECTRICAL FOR BATTERY BACKUP ACCESS AND ALIGN WITH TONGUE AND GROOVE CEILING. SEE DETAIL B5/A4.801
- AP #3: COORDINATE LOCATION WITH MECHANICAL CONTRACTOR IN FIELD.

RCP LEGEND



RCP GENERAL NOTES

- FOR WALLS THAT PENETRATE CEILINGS SEE WALL TYPES SHOWN ON THE FLOOR PLAN.
- SPRINKLER HEADS ARE NOT SHOWN. LOCATE ALL SPRINKLER HEADS IN THE CENTER OF CEILING TILES.
- FOR DIFFUSER AND RETURN GRILLE SIZES, SEE MECHANICAL PLANS.
- FOR LIGHT FIXTURE TYPES, SEE ELECTRICAL LIGHTING PLANS.
- CEILING HEIGHTS INDICATED ON PLAN (E.G. 9'-0") ARE FROM FINISHED FLOOR OF LEVEL OF PLAN SHOWN OR INDICATED AS 105'-0".
- ACOUSTICAL TILE CEILING GRID IS TO BE CENTERED IN RECTANGULAR ROOM OR CENTERED BETWEEN LONGEST WALLS OF IRREGULARLY SHAPED ROOMS UNLESS OTHERWISE NOTED.
- VERIFY GWP CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

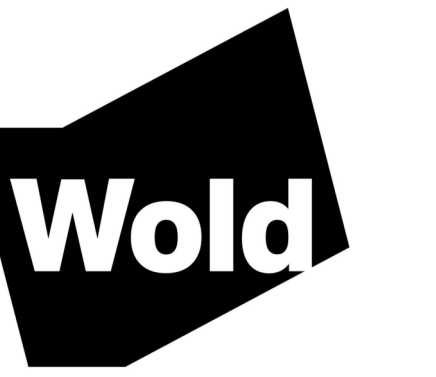


GLACIAL VALLEY PARK BUILDING

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Minnesota
John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
PR002		04/10/2023	2
PR004		07/12/2023	3

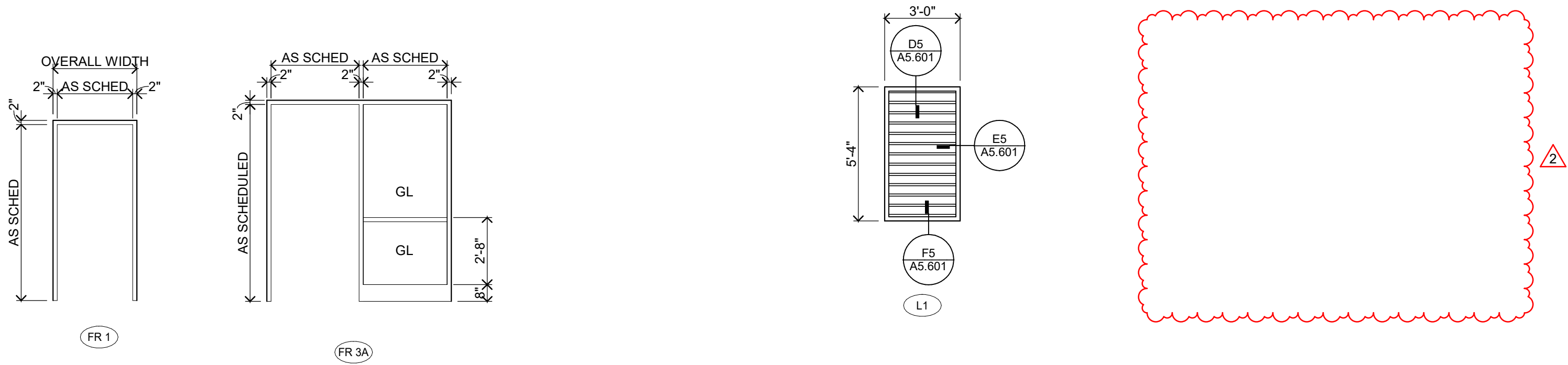
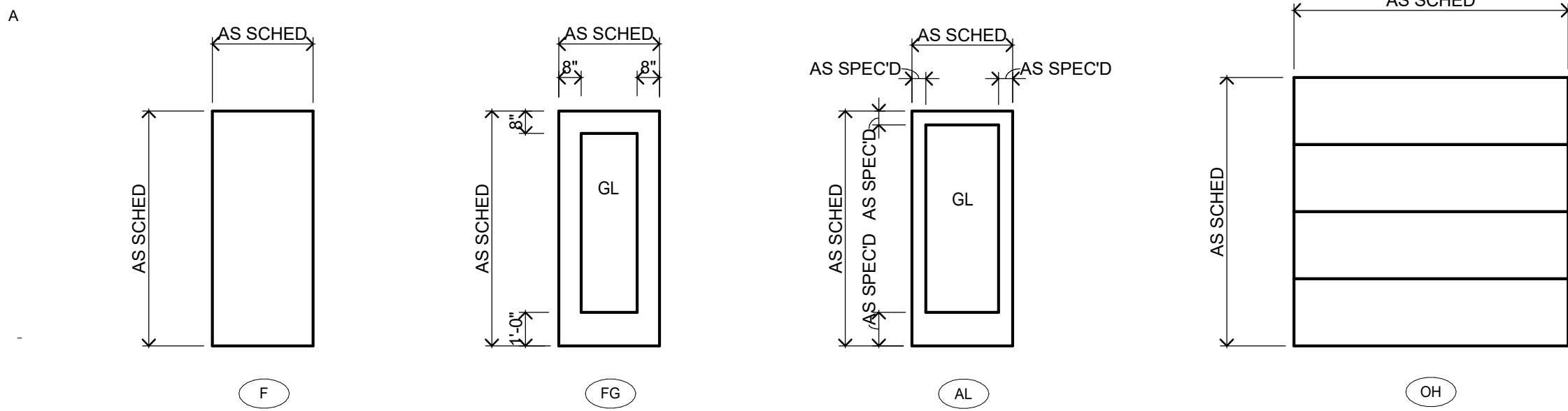
Comm: 222064
Date: 11/08/2022
Drawn: MJJS/AMTC
Check: JJW/JM North

MAIN LEVEL
FLOOR PLAN AND
REFLECTED
CEILING PLAN

Scale: As indicated

A2.001

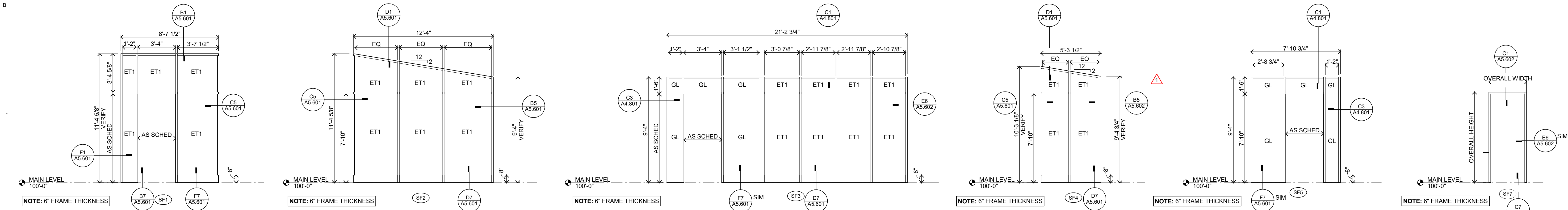
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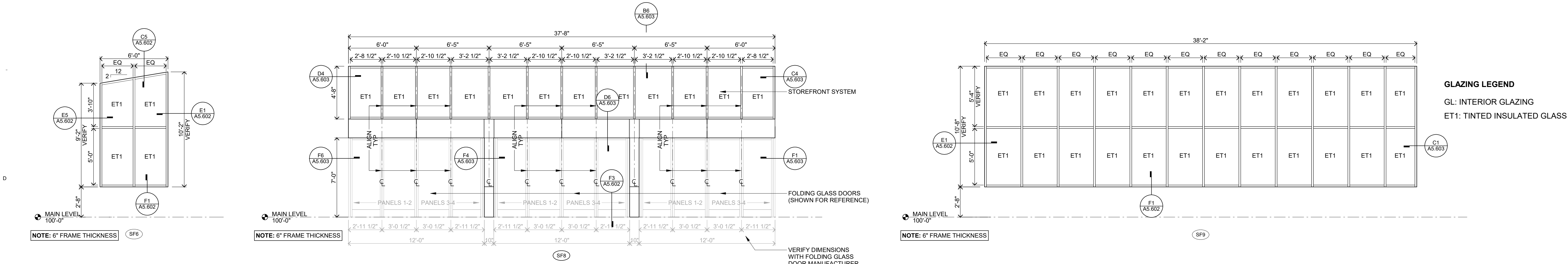
DOOR TYPES

FRAME TYPES

LOUVER TYPES



STOREFRONT TYPE ELEVATIONS



STOREFRONT TYPE ELEVATIONS

GLACIAL VALLEY
PARK BUILDING

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John McNamara
John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	
	Date	Num
Addendum #1	11/28/2022	1
PR004	07/12/2023	2

Comm: 222064

Date: 11/08/2022

Drawn: MJS/AM/TC

Check: JWM

DOOR/FRAME/
STOREFRONT
TYPES

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

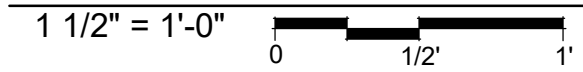
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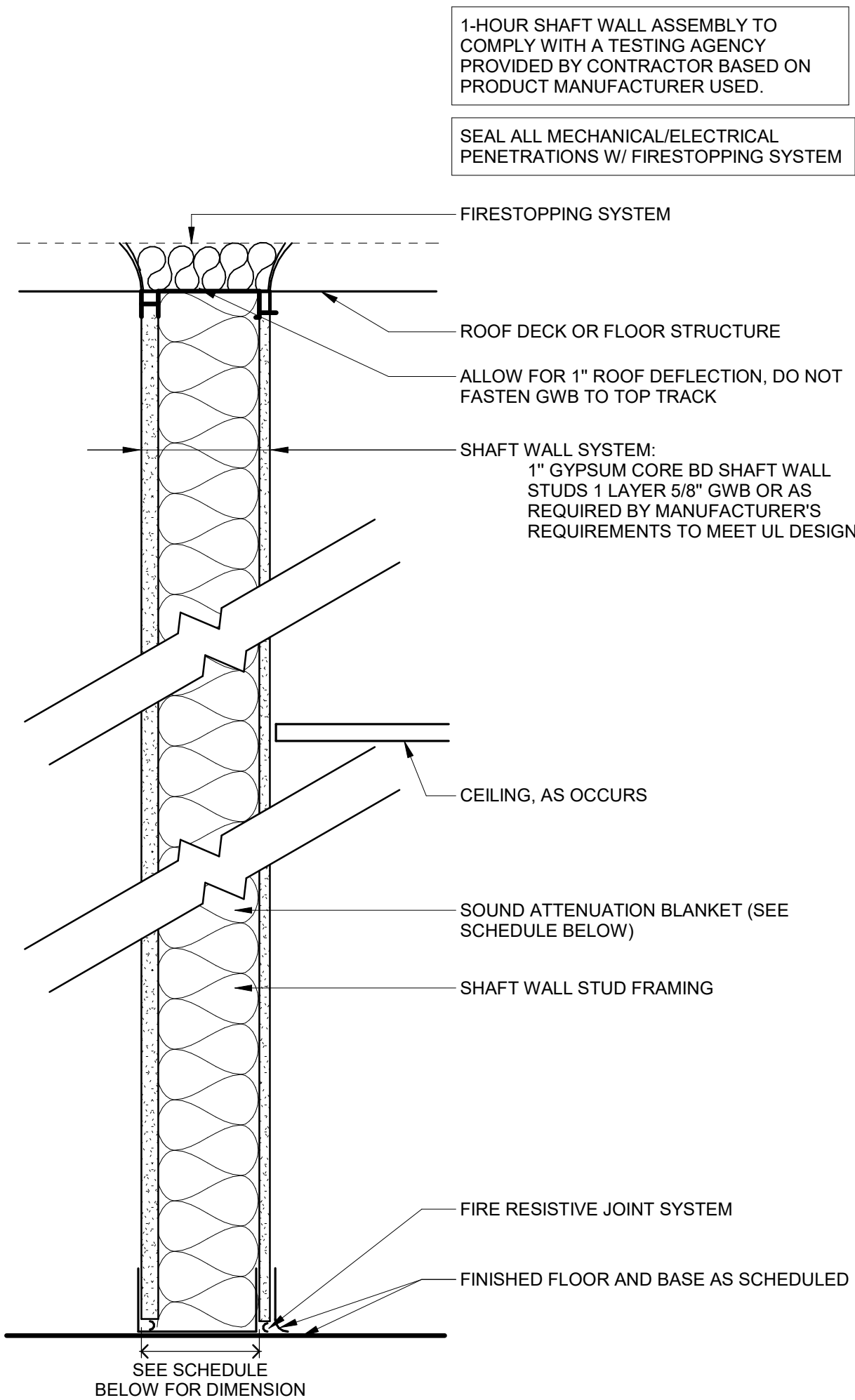
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Last Modified: 11/10/2022 11:43:29 AM
User: jmcnamara

WALL TYPE GBM



TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GBM	3 5/8"	SOUND BATT	N/A	

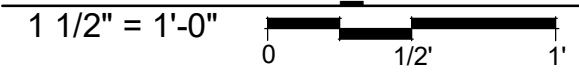


WALL TYPE XA

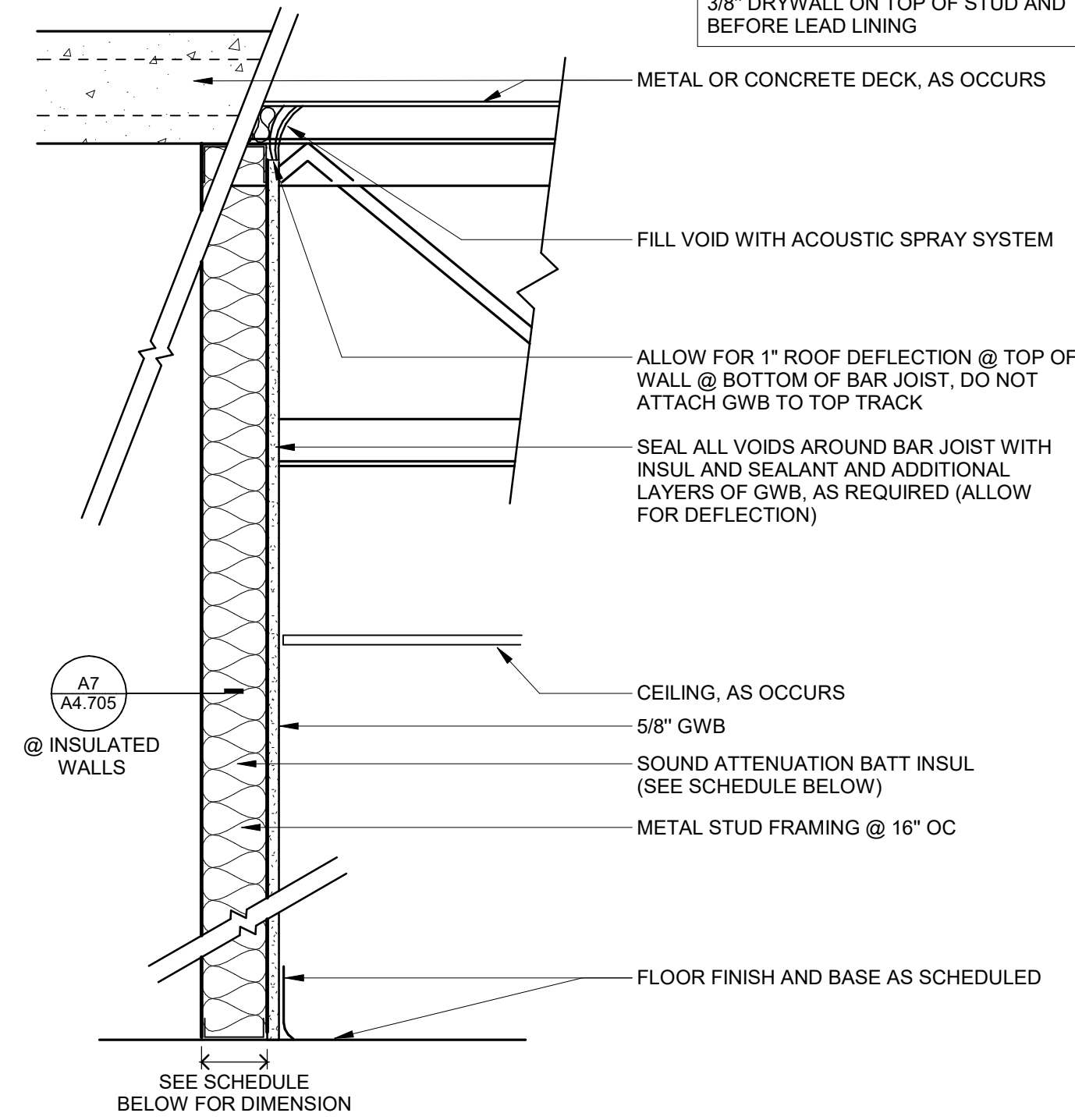


TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
XA5	2 1/2"	SOUND BATT	37	
XA6	4"	SOUND BATT	48	

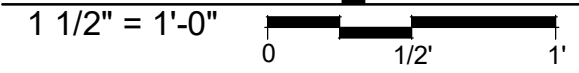
WALL TYPE GA



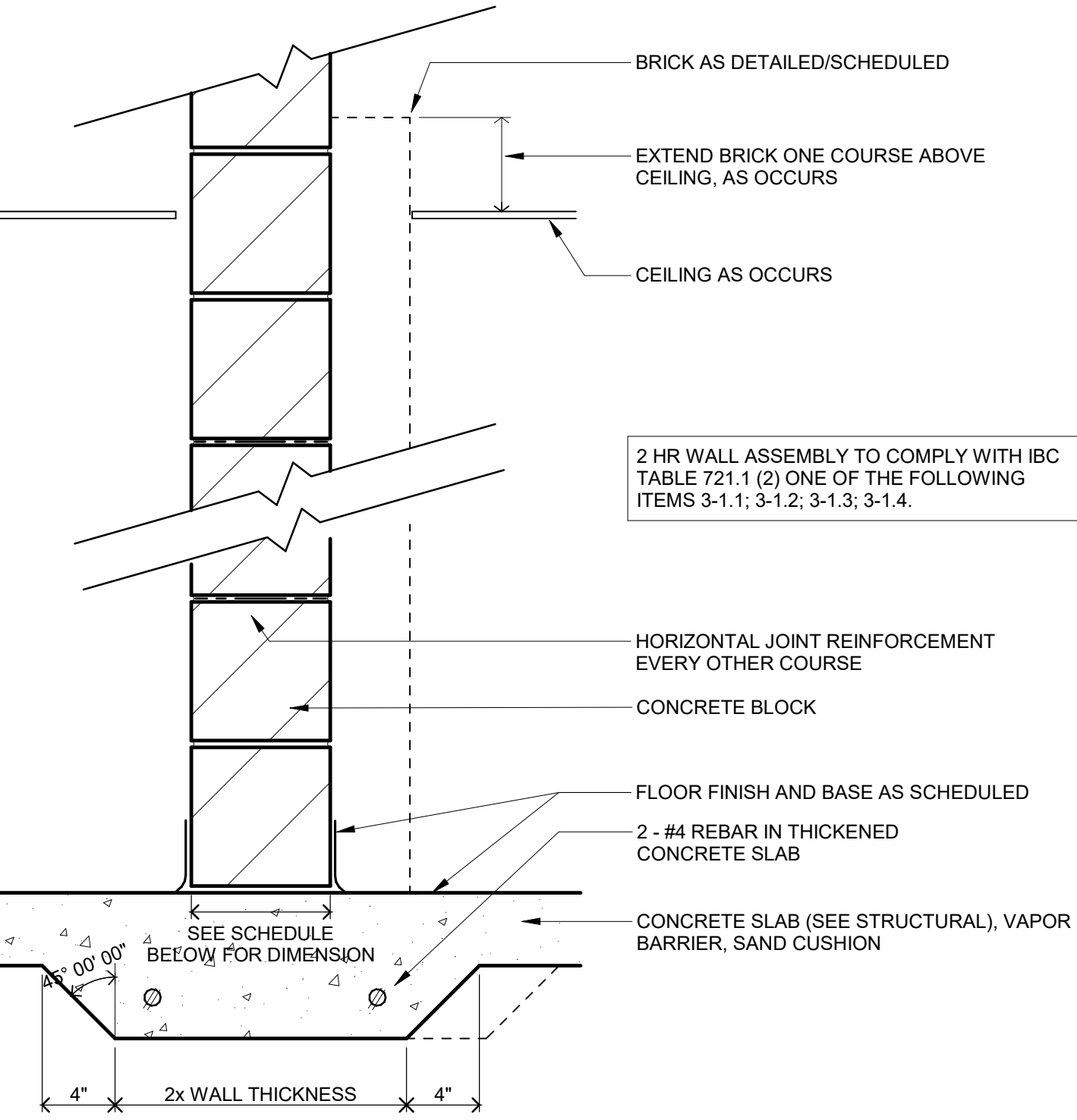
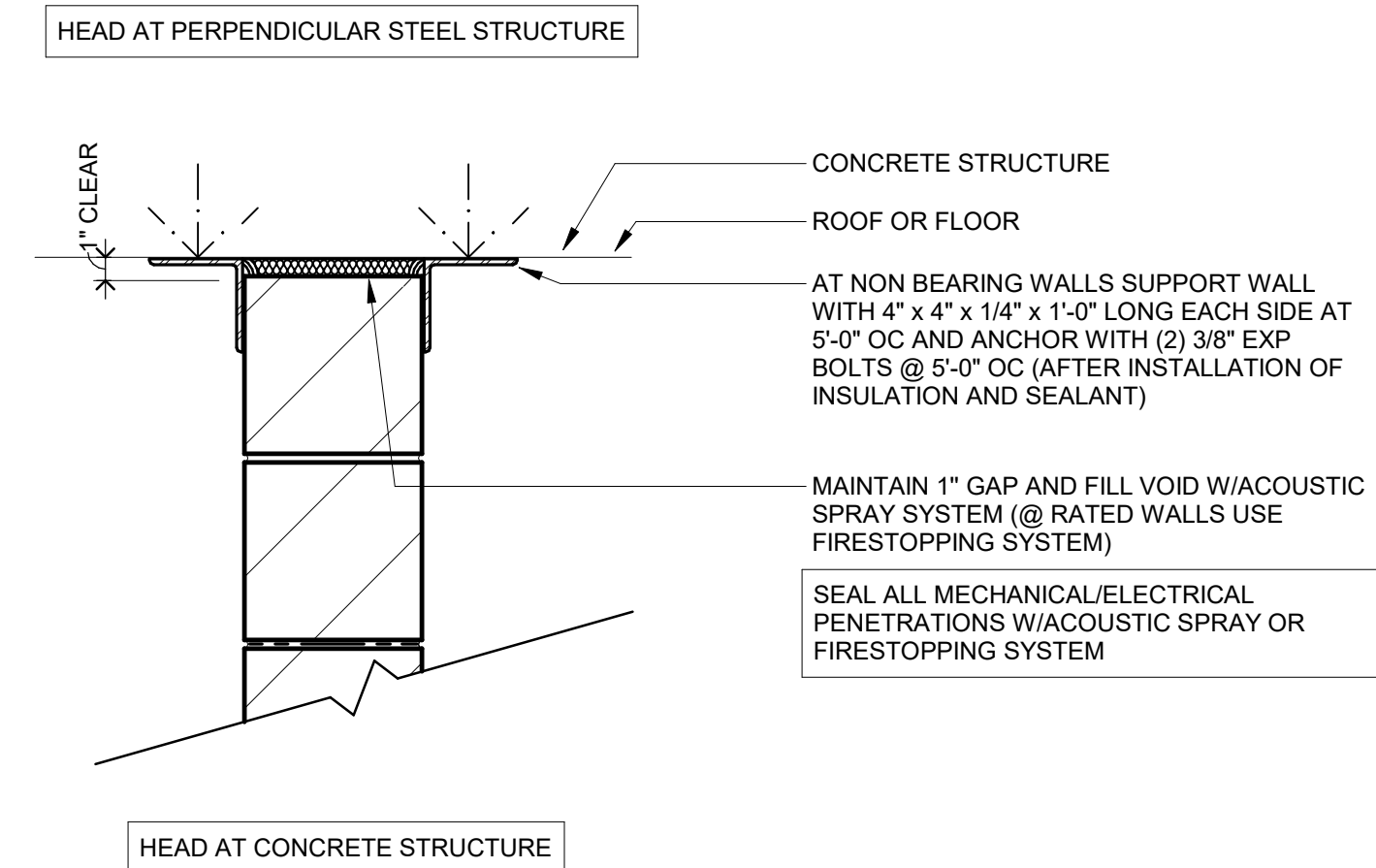
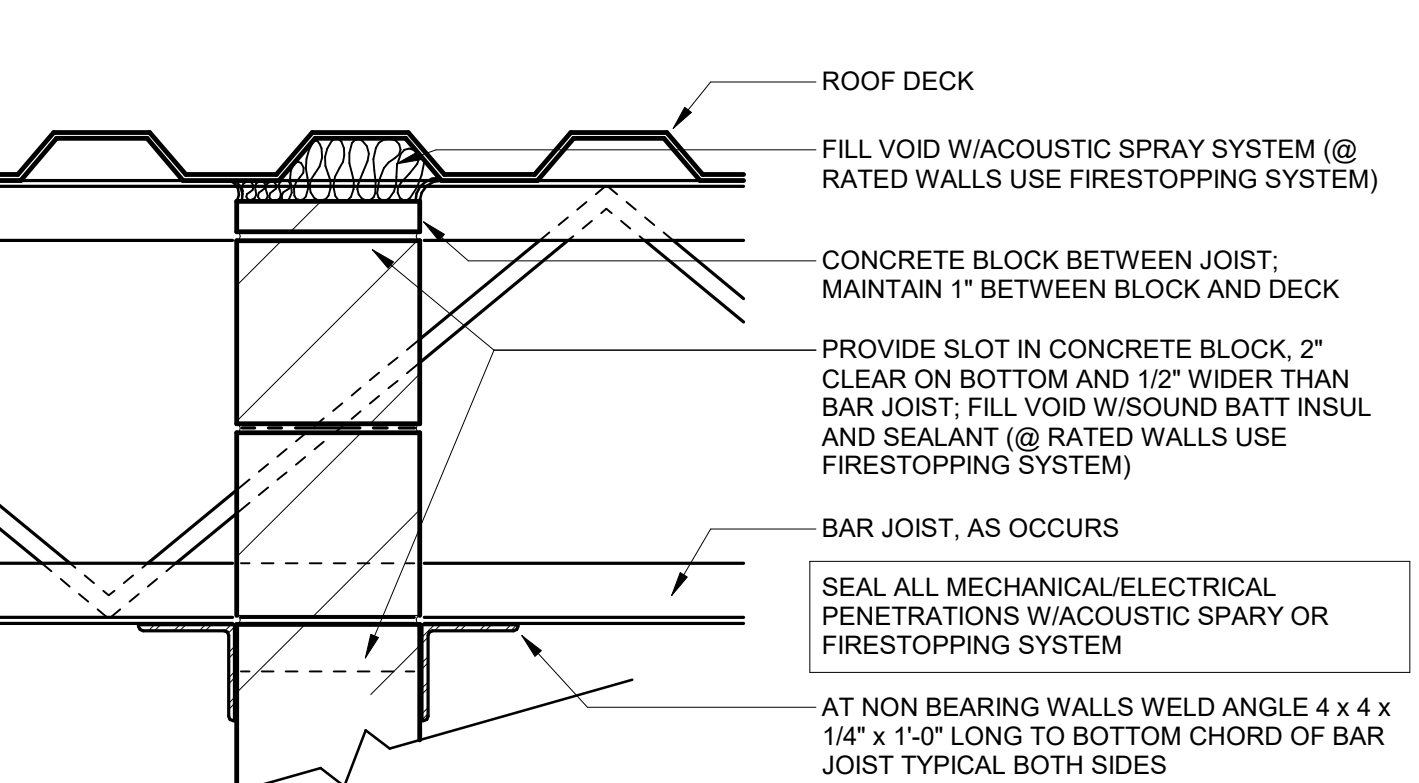
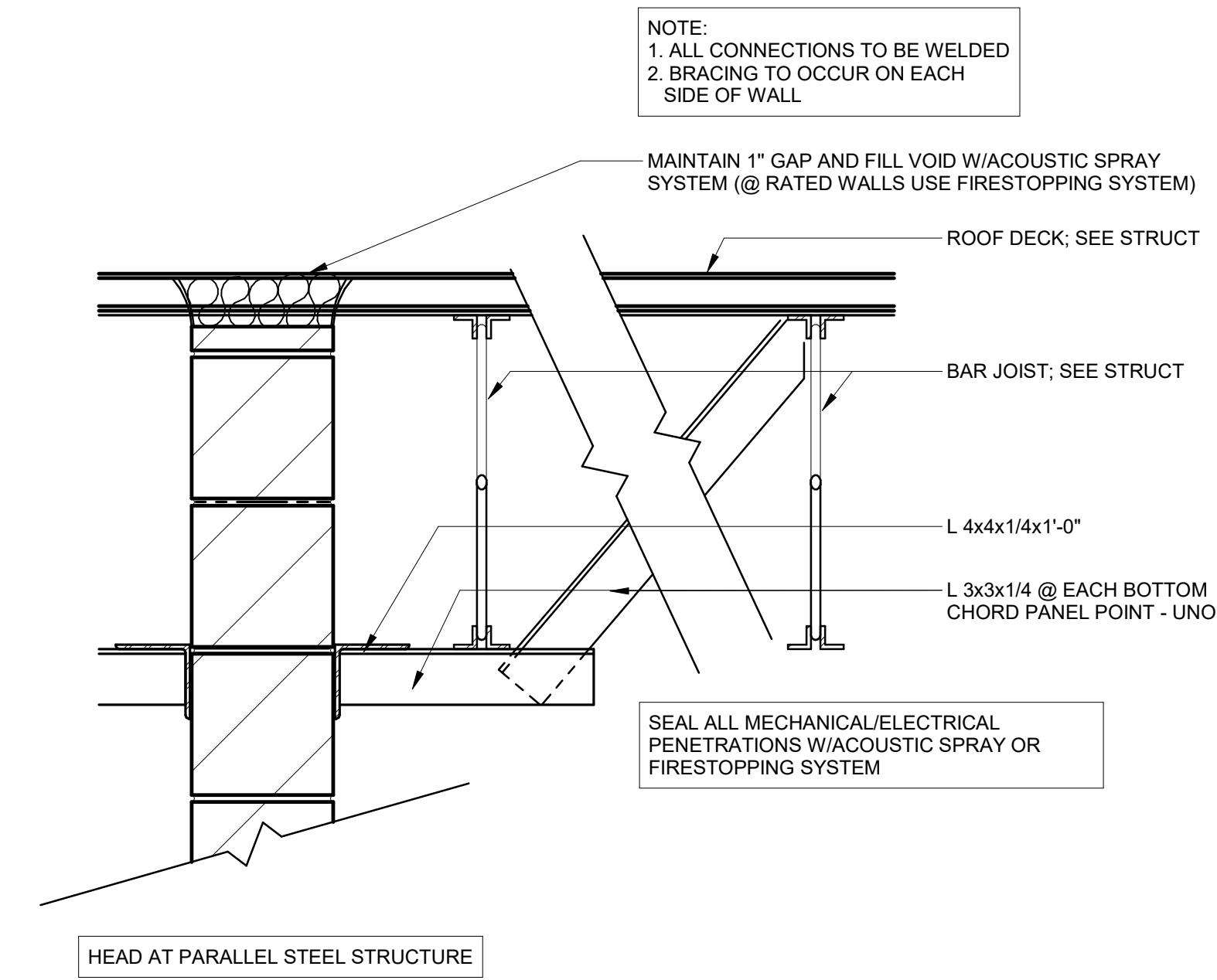
TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GA6	3 5/8"	SOUND BATT	48	
GA7	6"	SOUND BATT	48	



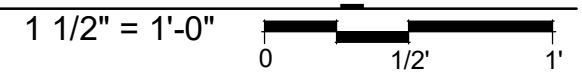
WALL TYPE GB



TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GB4	1 5/8"	SOUND BATT	N/A	
GB5	2 1/2"	SOUND BATT	N/A	
GB6	3 5/8"	SOUND BATT	N/A	
GB7	6"	SOUND BATT	N/A	



WALL TYPE MA



TYPE	BLOCK SIZE	INSULATION	MIN STC	NOTES
MA3	8"	NONE	48	

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John McNamara
John McNamara
License Number: 24281 Date: 11/08/2022

Description	Revisions	Date	Num
PRR04		07/12/2023	1

Comm: 222064

Date: 11/08/2022

Drawn: MJS

Check: JWW/JM

DETAILS - INTERIOR WALL TYPES

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

A4.701

MN

A

EXTERIOR ELEVATIONS GENERAL NOTES

1. WHERE NOT SHOWN, MASONRY VENEER EXPANSION JOINTS ARE TO BE LOCATED AT A MINIMUM OF 2 FEET AND 10 FEET FROM OUTSIDE CORNERS, AT INSIDE CORNERS, ABOVE WINDOW AND DOOR JAMBS, BETWEEN DISSIMILAR MATERIALS, AND NO MORE THAN 20 FEET ON CENTER ELSEWHERE.

MATERIALS KEY	
KEY	MATERIAL
04.01	STONE MASONRY VENEER (SEE ENLARGED ELEVATION FOR PATTERN)
04.02	CAST STONE MASONRY
04.03	STONE MASONRY VENEER CONTROL JOINT
05.95	PIPE BOLLARD - PAINT PT-8
06.10	GLUED-LAMINATED CONSTRUCTION
07.01	PREFINISHED SHEET METAL COPING #1 (SANDSTONE)
07.02	PREFINISHED SHEET METAL COPING/FLASHING #2 (MATTE BLACK)
07.03	FIBER CEMENT PANELS AND VERTICAL TRIM SIDING
07.04	THERMALLY MODIFIED WOOD SOFFIT
07.06	PREFINISHED ALUMINUM PANEL
08.07	PREFINISHED ALUMINUM FRAME
08.11	SECTIONAL METAL OVERHEAD DOOR
08.12	FOLDING GLASS DOOR SYSTEM
08.58	EXTERIOR GLAZING
08.59	PREFINISHED METAL LOUVER
09.68	PT-8 (ON EXPOSED STEEL)
10.06	ALUMINUM DIMENSIONAL LETTER SIGNAGE
26.97	EXTERIOR LIGHTING (SEE ELEC.)

GLACIAL VALLEY PARK BUILDING

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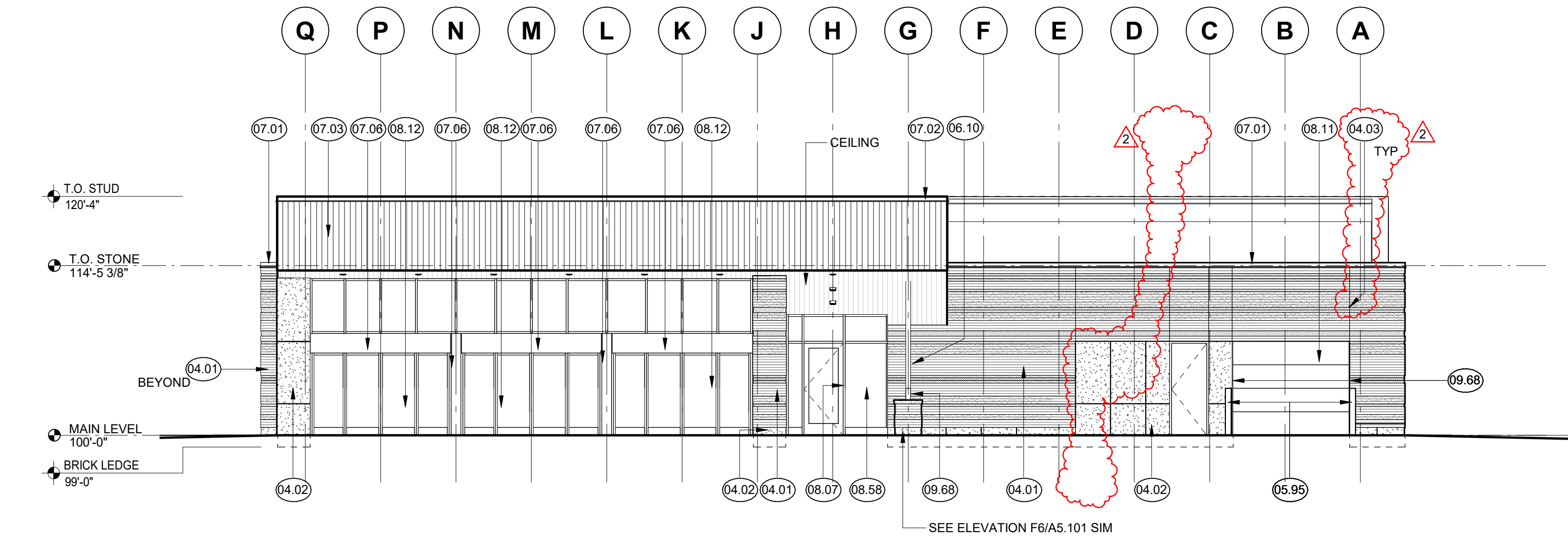
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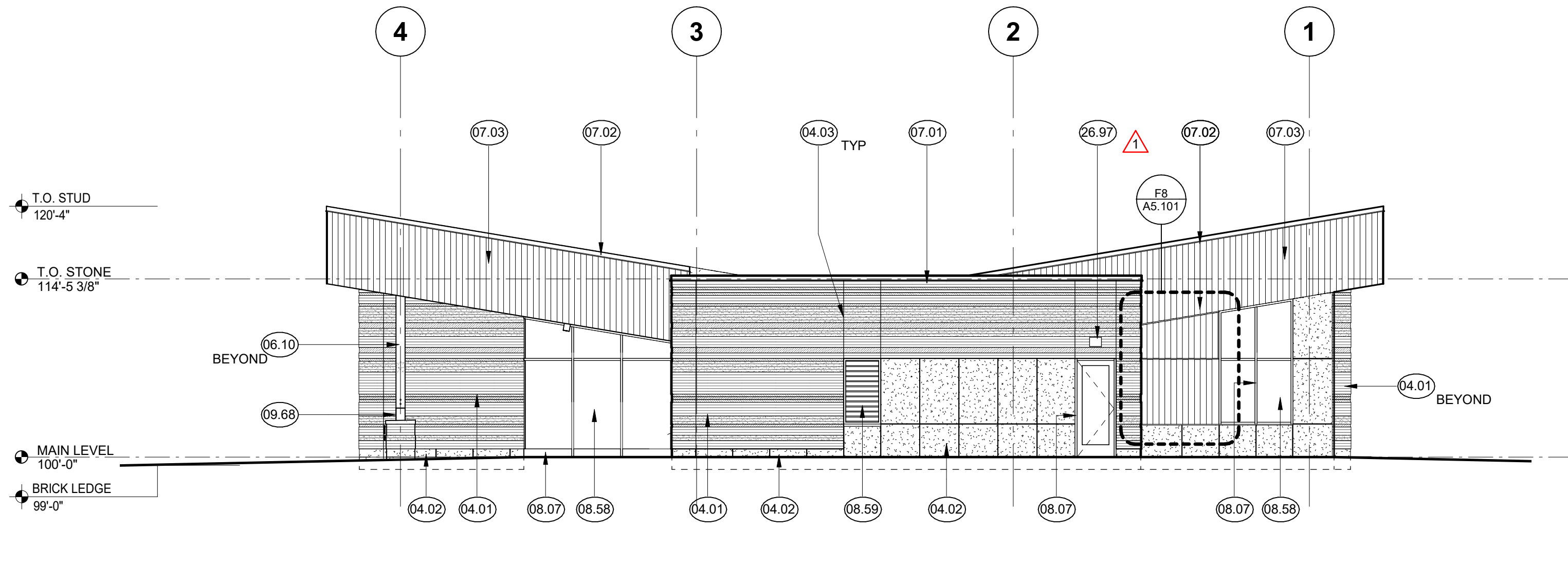


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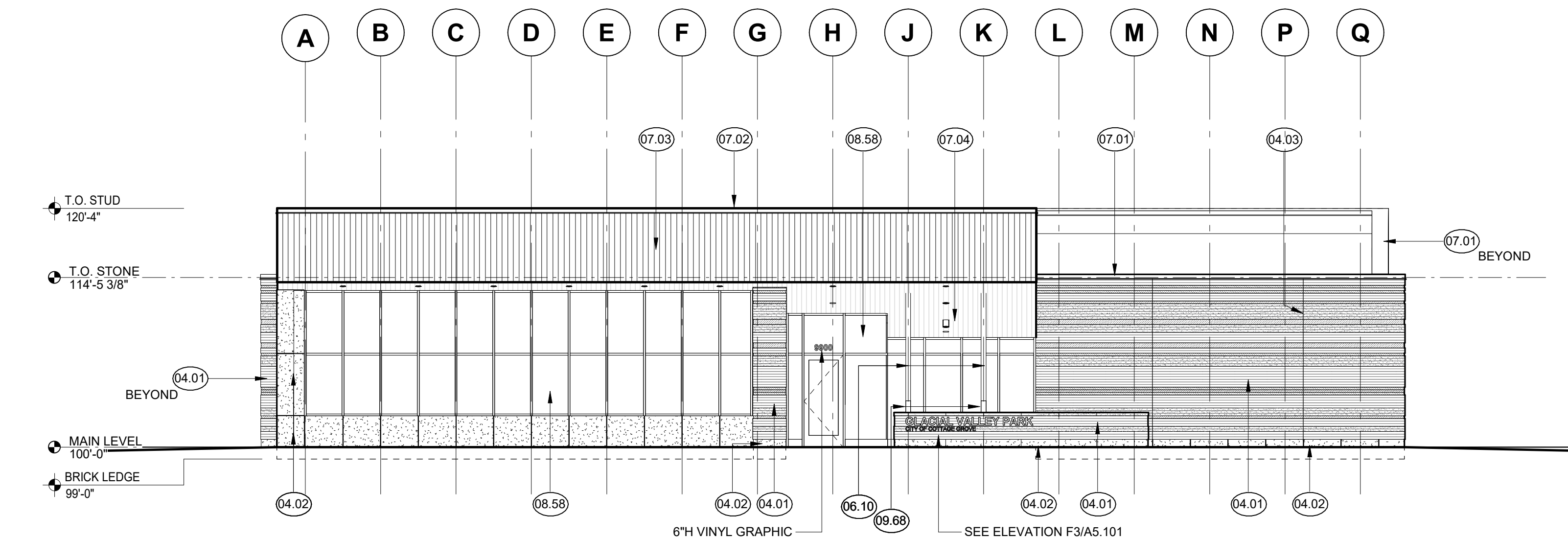
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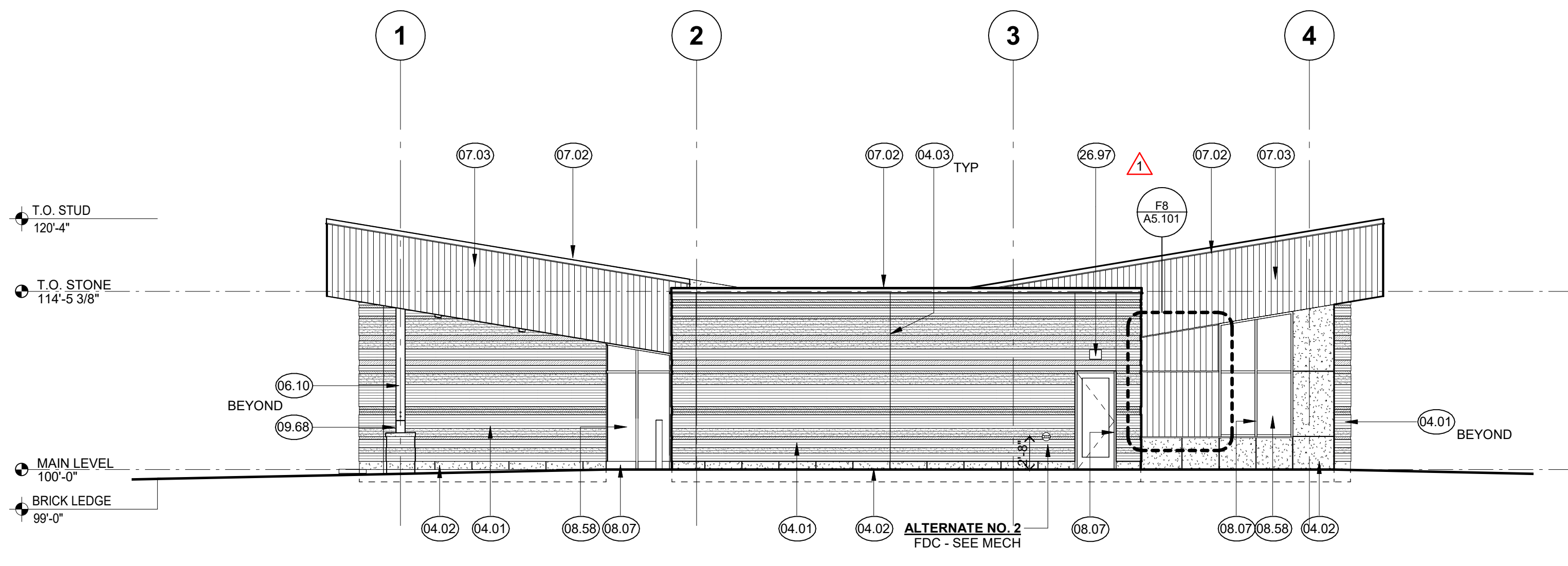
C1 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



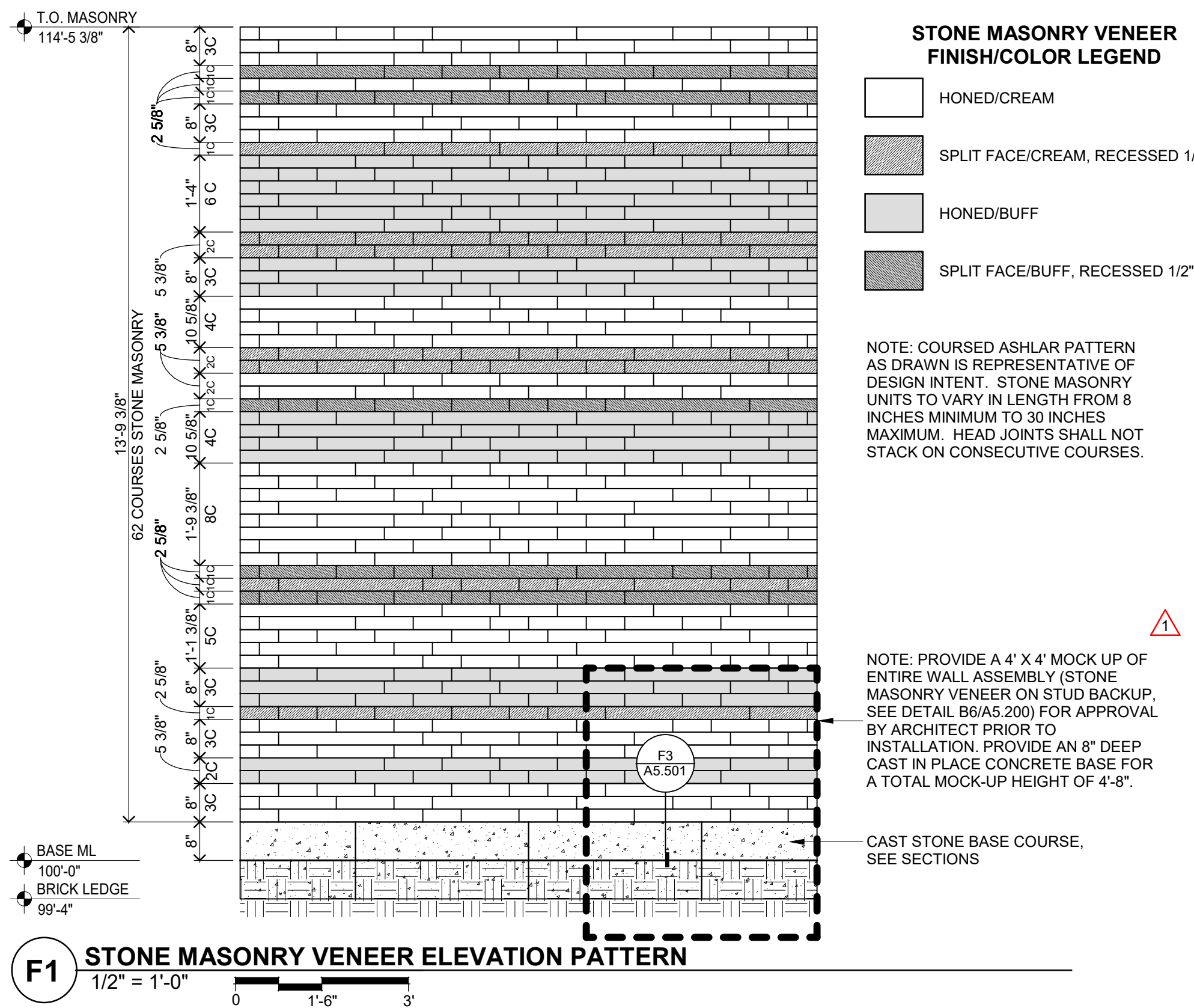
C5 EAST EXTERIOR ELEVATION
1/8" = 1'-0"



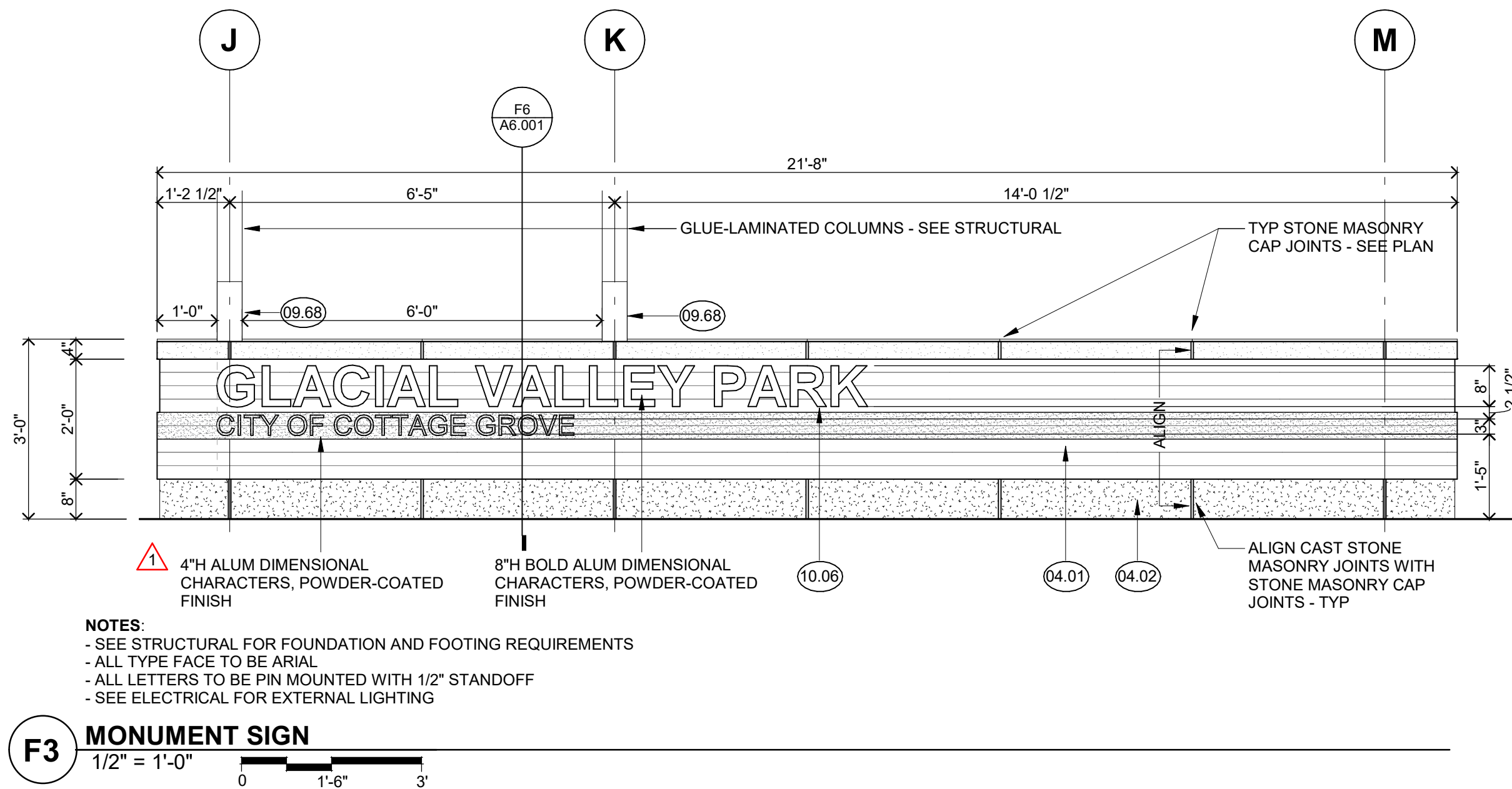
E1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"



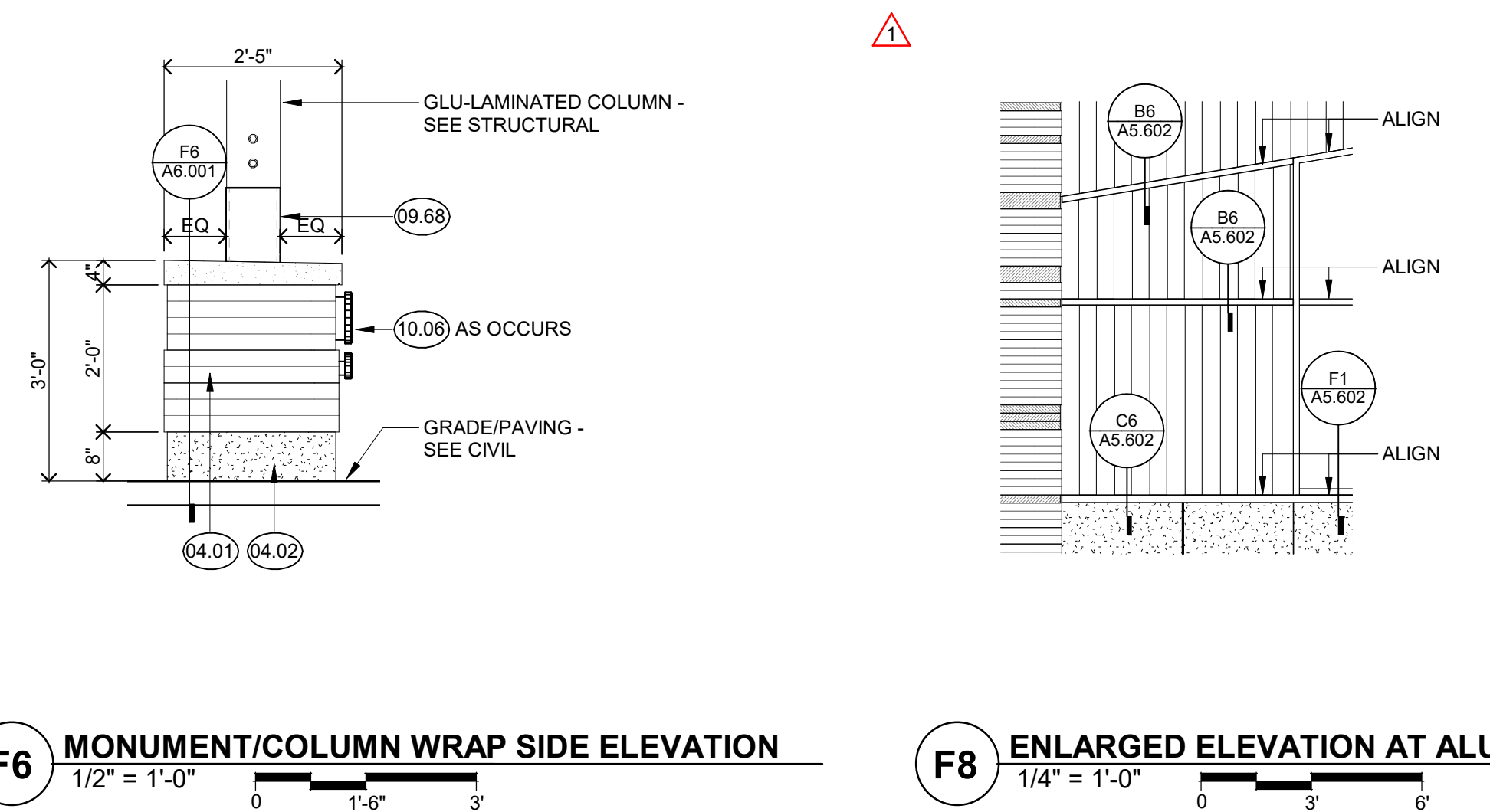
E5 WEST EXTERIOR ELEVATION
1/8" = 1'-0"



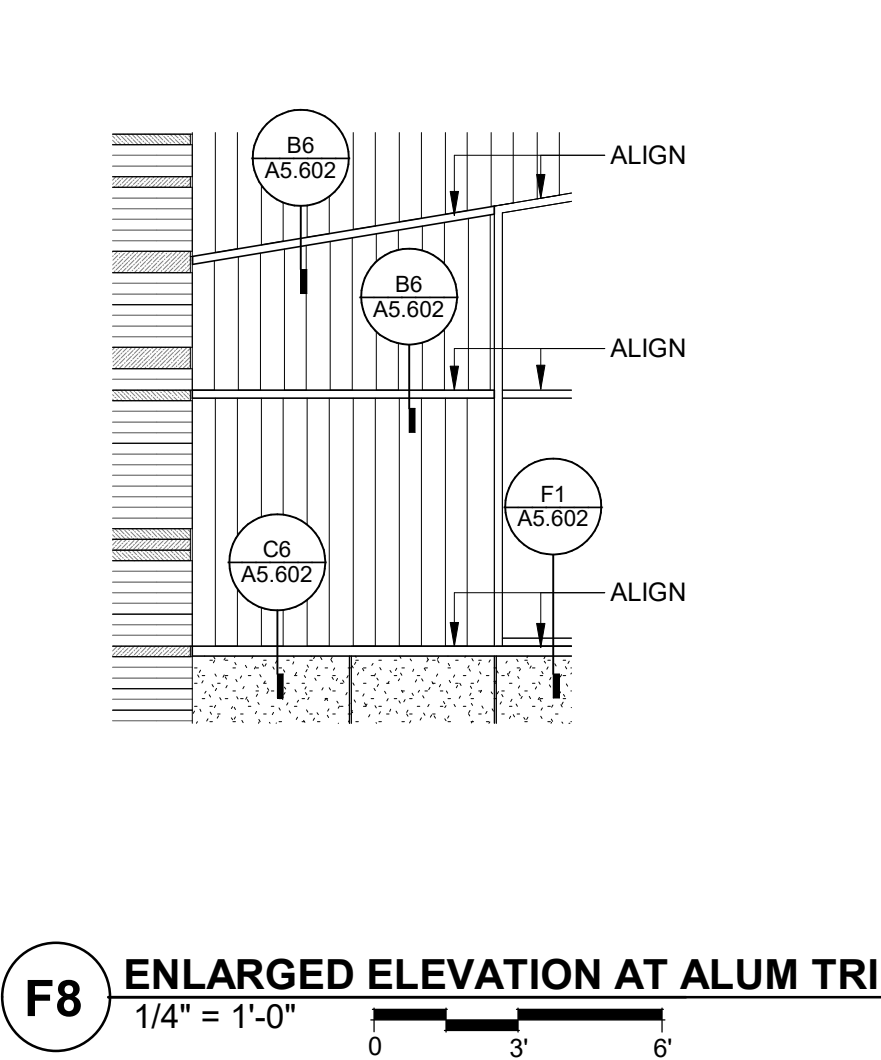
F1 STONE MASONRY VENEER ELEVATION PATTERN
1/2" = 1'-0"



F3 MONUMENT SIGN
1/2" = 1'-0"



F6 MONUMENT/COLUMN WRAP SIDE ELEVATION
1/2" = 1'-0"



F8 ENLARGED ELEVATION AT ALUM TRIM
1/4" = 1'-0"

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John McNamara
License Number: 24281 Date: 11/08/2022

Revisions		
Description	Date	Num
Addendum #1	11/28/2022	1
PR004	07/12/2023	2

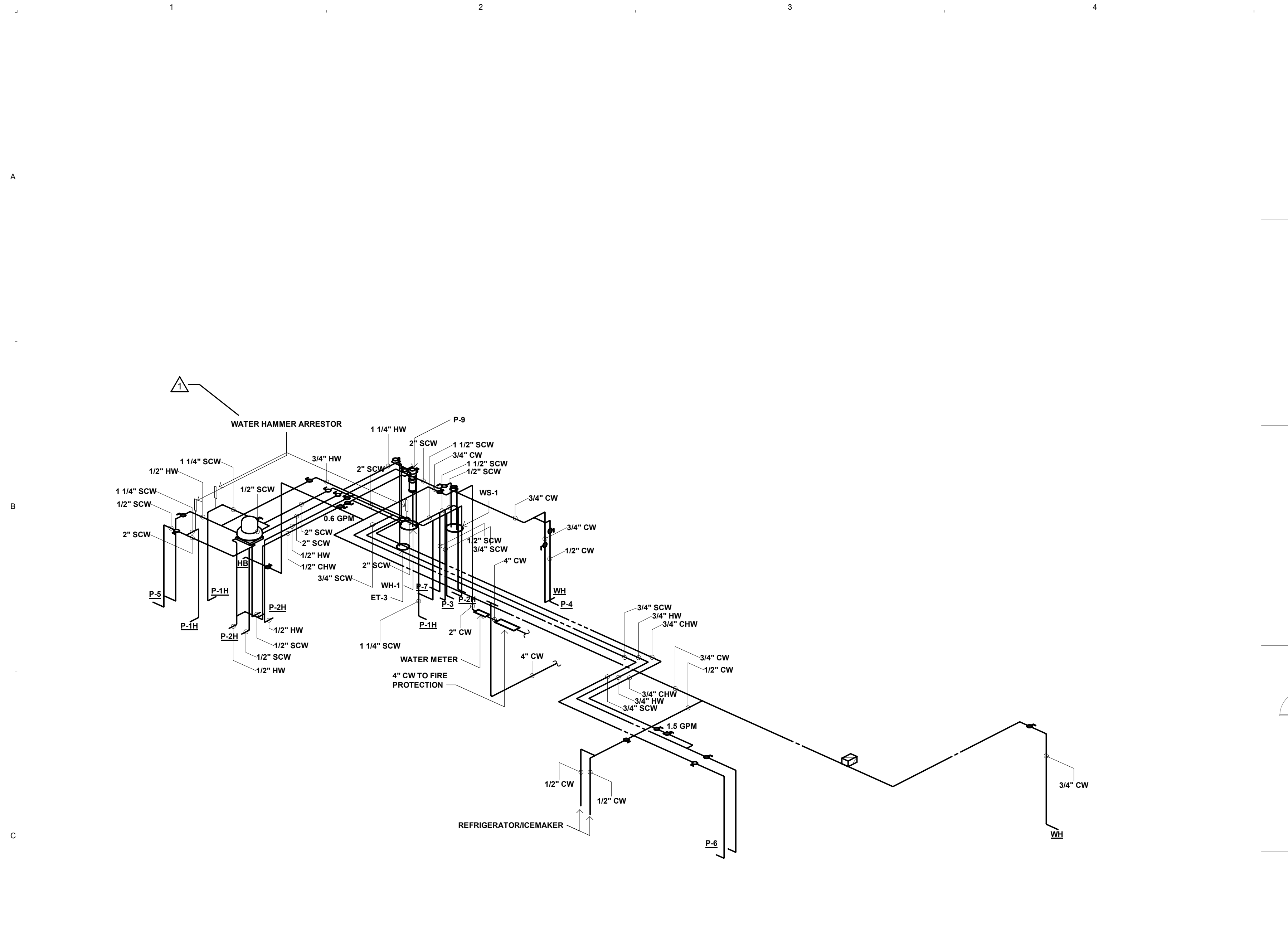
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Date: 11/08/2022
Drawn: TC/MJS
Check: JWW/JM

EXTERIOR ELEVATIONS

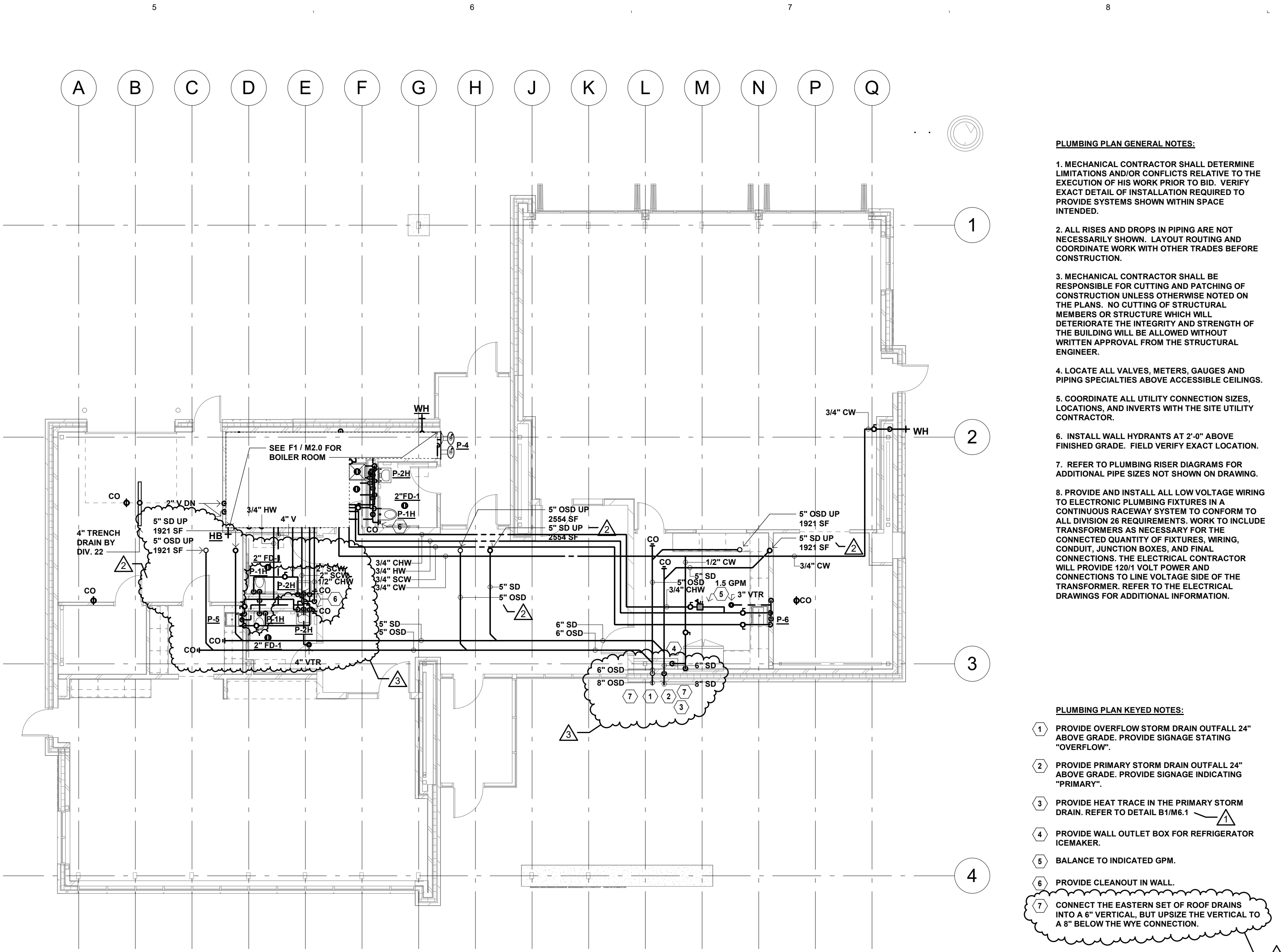
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A5.101

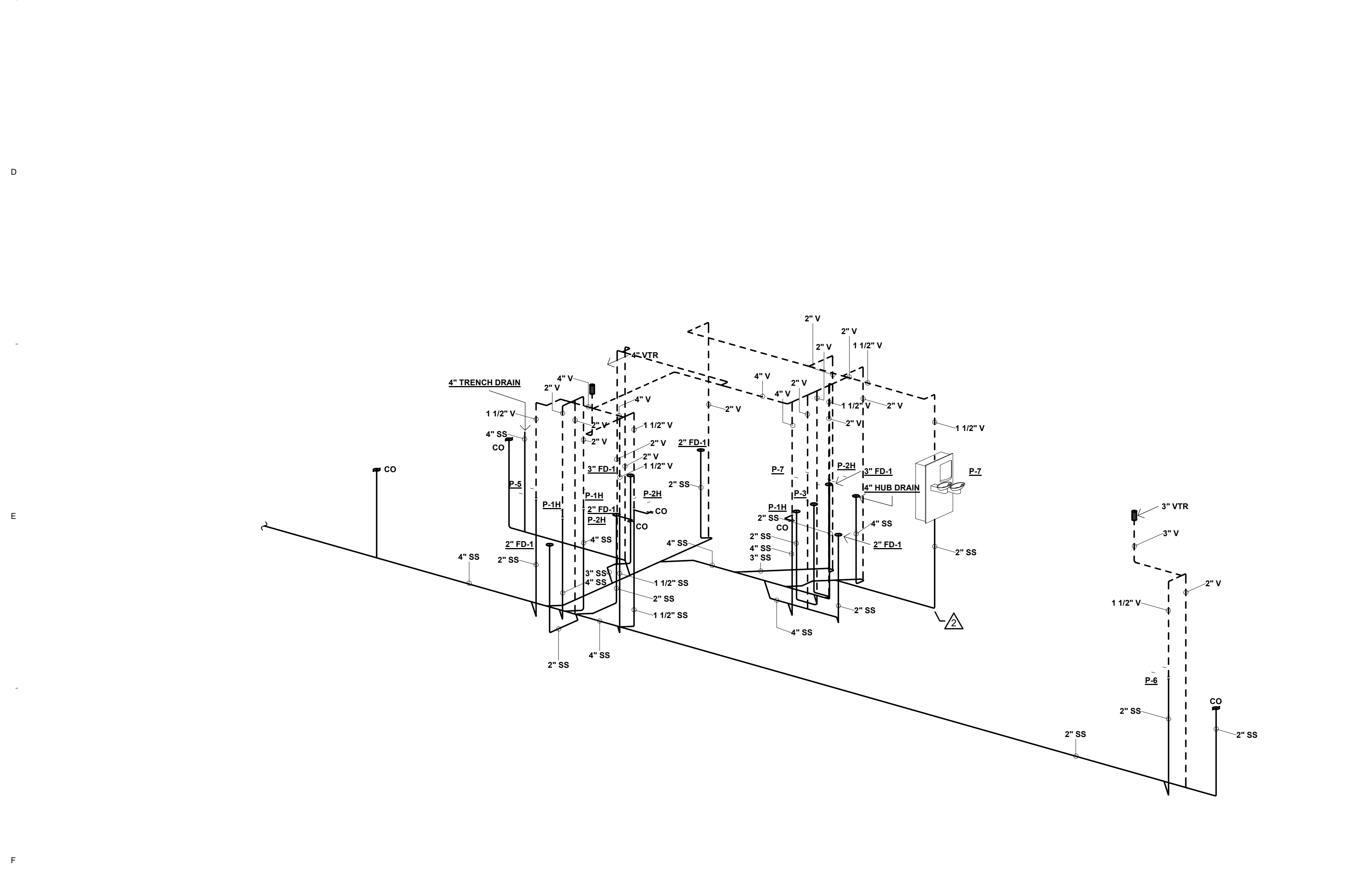
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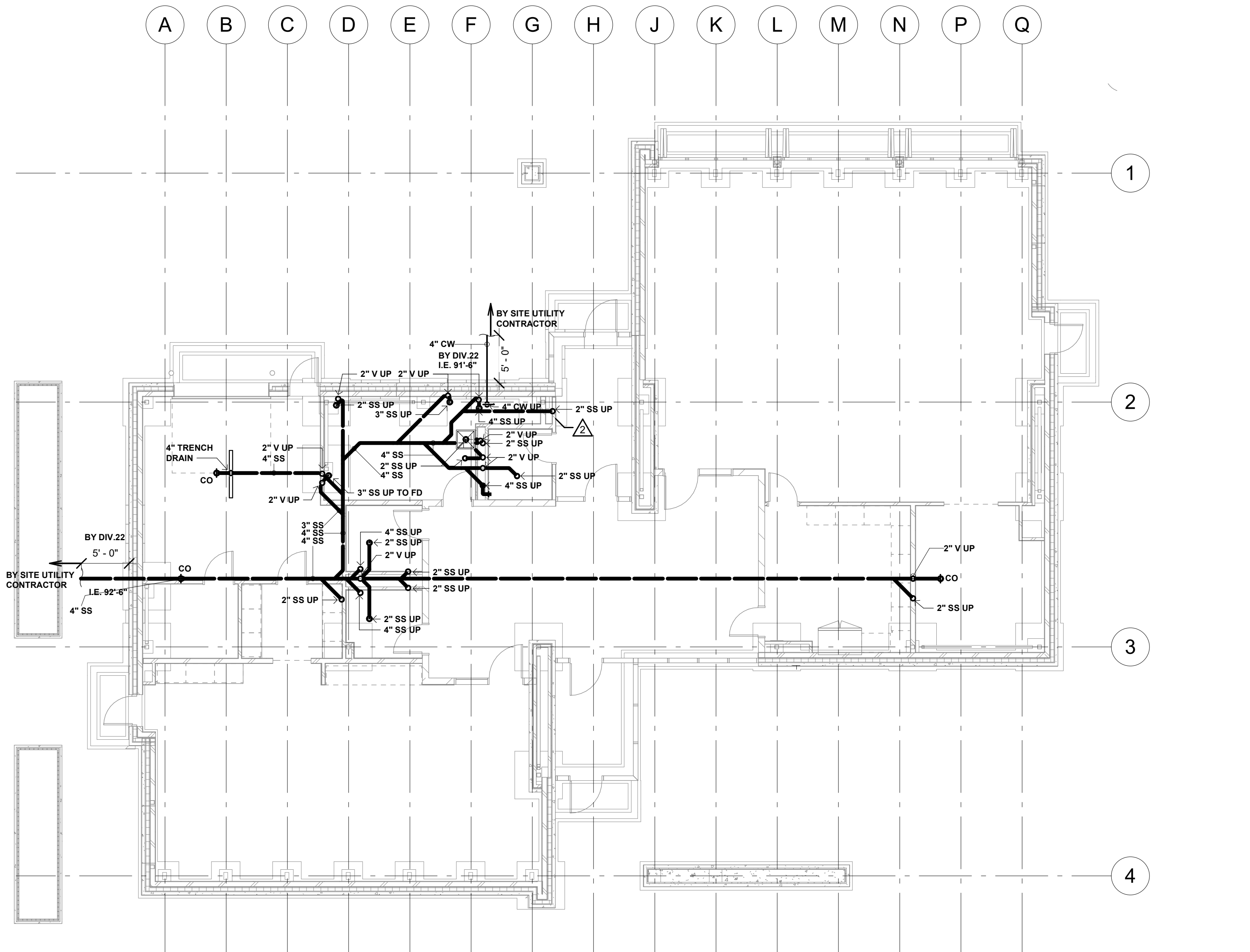
C1 Supply Riser Diagram



C4 PLUMBING PLAN - MAIN LEVEL
1/8" = 1'-0"



F1 Waste and Vent Riser Diagram



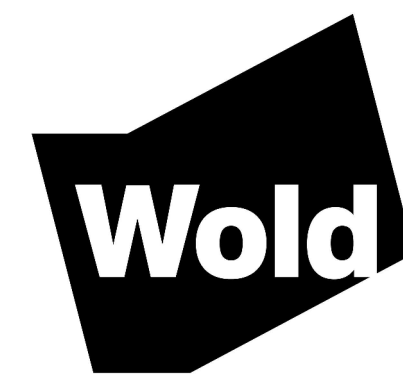
F5 PLUMBING PLAN - UNDERGROUND
1/8" = 1'-0"

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PLUMBING PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISER AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DEGRADE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-6" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
7. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
8. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

PLUMBING PLAN KEYED NOTES:

1. PROVIDE OVERFLOW STORM DRAIN OUTFALL 24" ABOVE GRADE. PROVIDE SIGNAGE STATING "OVERFLOW".
2. PROVIDE PRIMARY STORM DRAIN OUTFALL 24" ABOVE GRADE. PROVIDE SIGNAGE INDICATING "PRIMARY".
3. PROVIDE HEAT TRACE IN THE PRIMARY STORM DRAIN. REFER TO DETAIL B1/M6.1
4. PROVIDE WALL OUTLET BOX FOR REFRIGERATOR ICEMAKER.
5. BALANCE TO INDICATED GPM.
6. PROVIDE CLEANOUT IN WALL.
7. CONNECT THE EASTERN SET OF ROOF DRAINS INTO A 6" VERTICAL, BUT UPSIDE THE VERTICAL TO A 6" BELOW THE WYE CONNECTION.

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Kevin M. Mullen

License Number: Date: 11/08/22

Description	Revisions	Date	Num
Addendum #1		11/28/2022	1
SI001		02/06/2023	2
PS004		07/11/2023	3

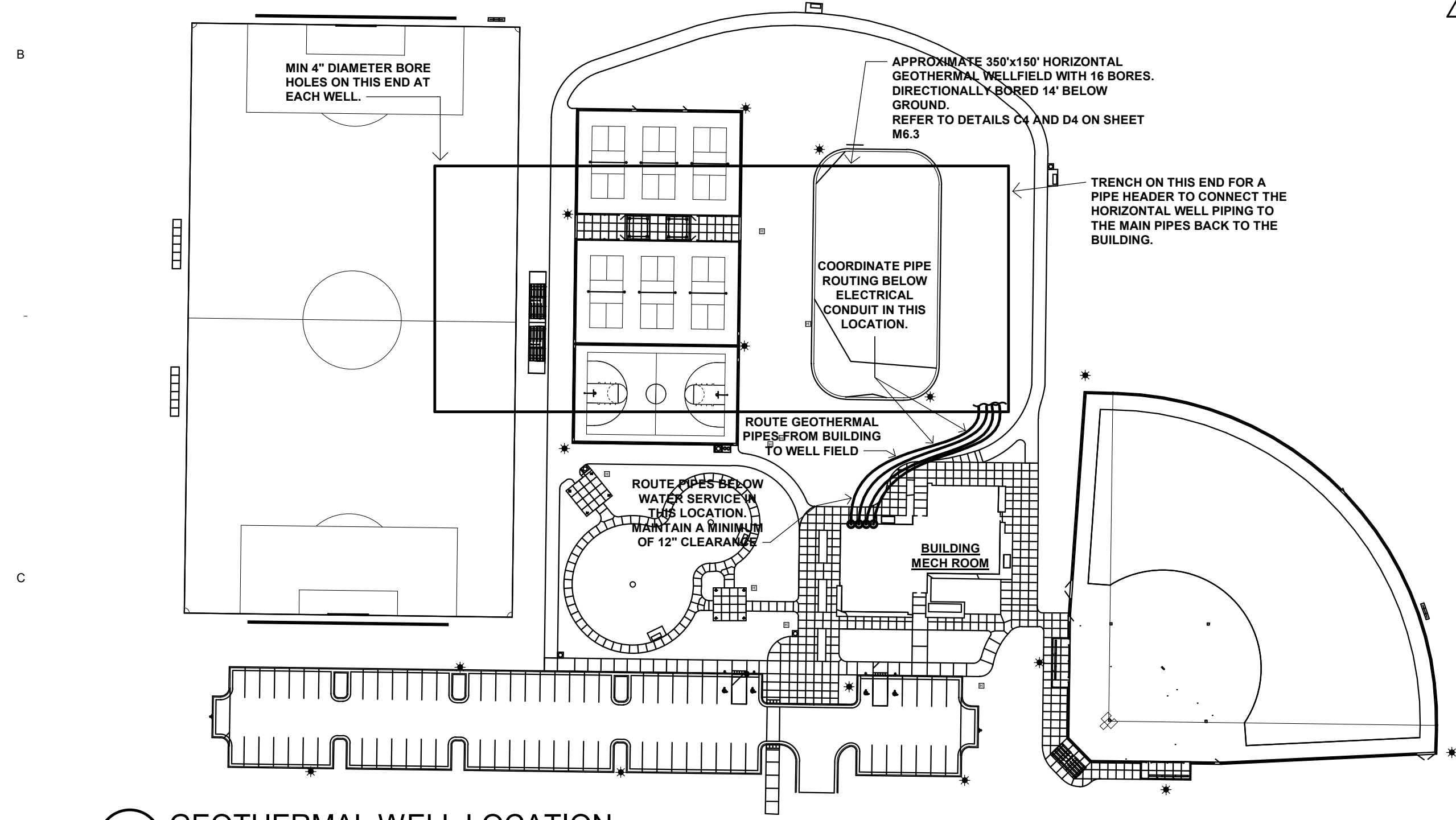
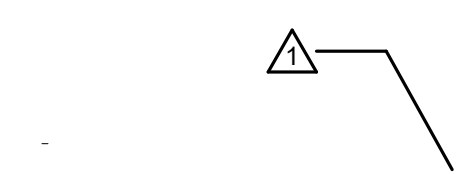
Comm: 222064
Date: 11/08/22
Drawn: AG
Check: JM
North

PLUMBING PLAN

Scale: 1/8" = 1'-0"

M1.0

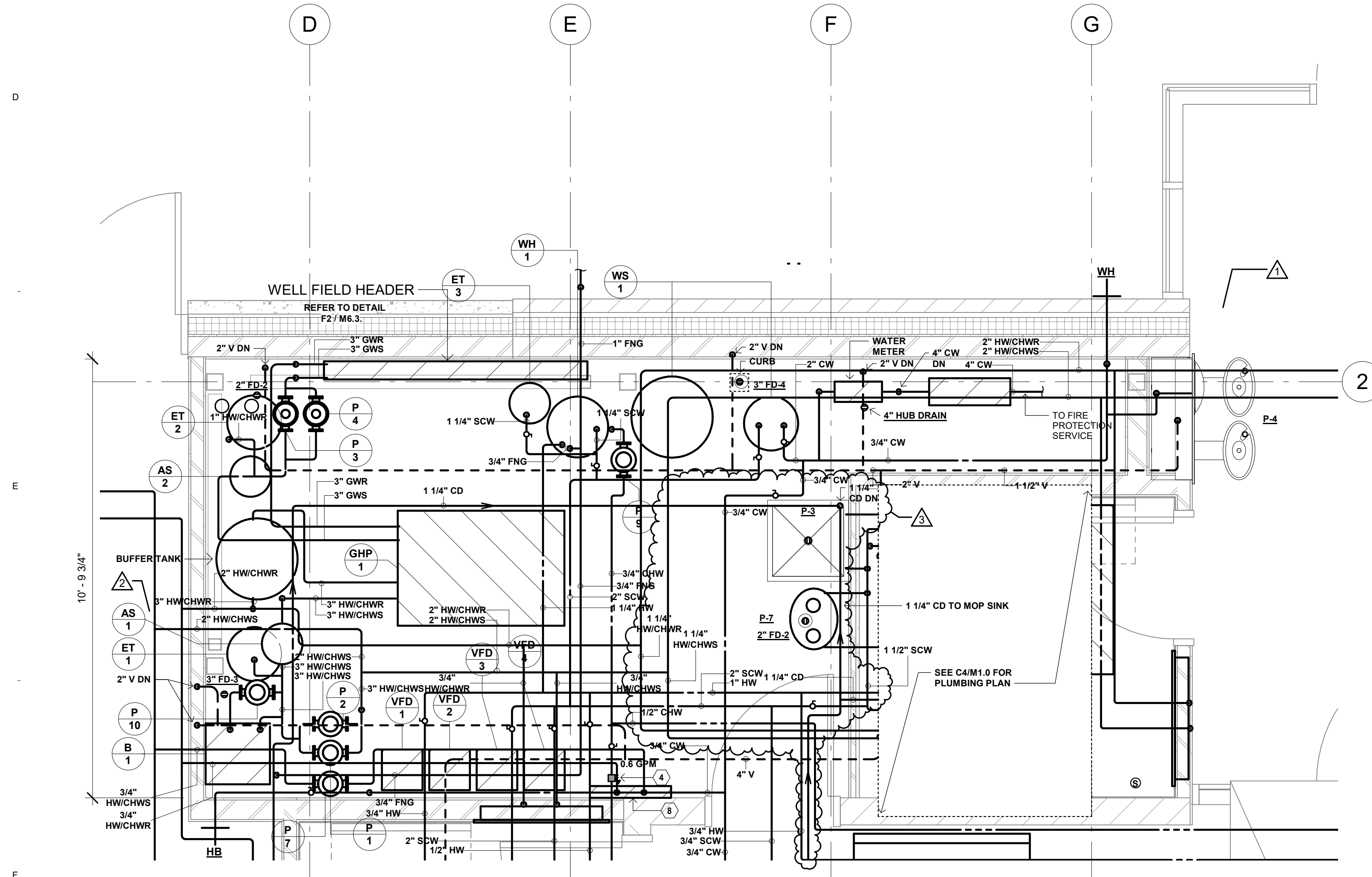
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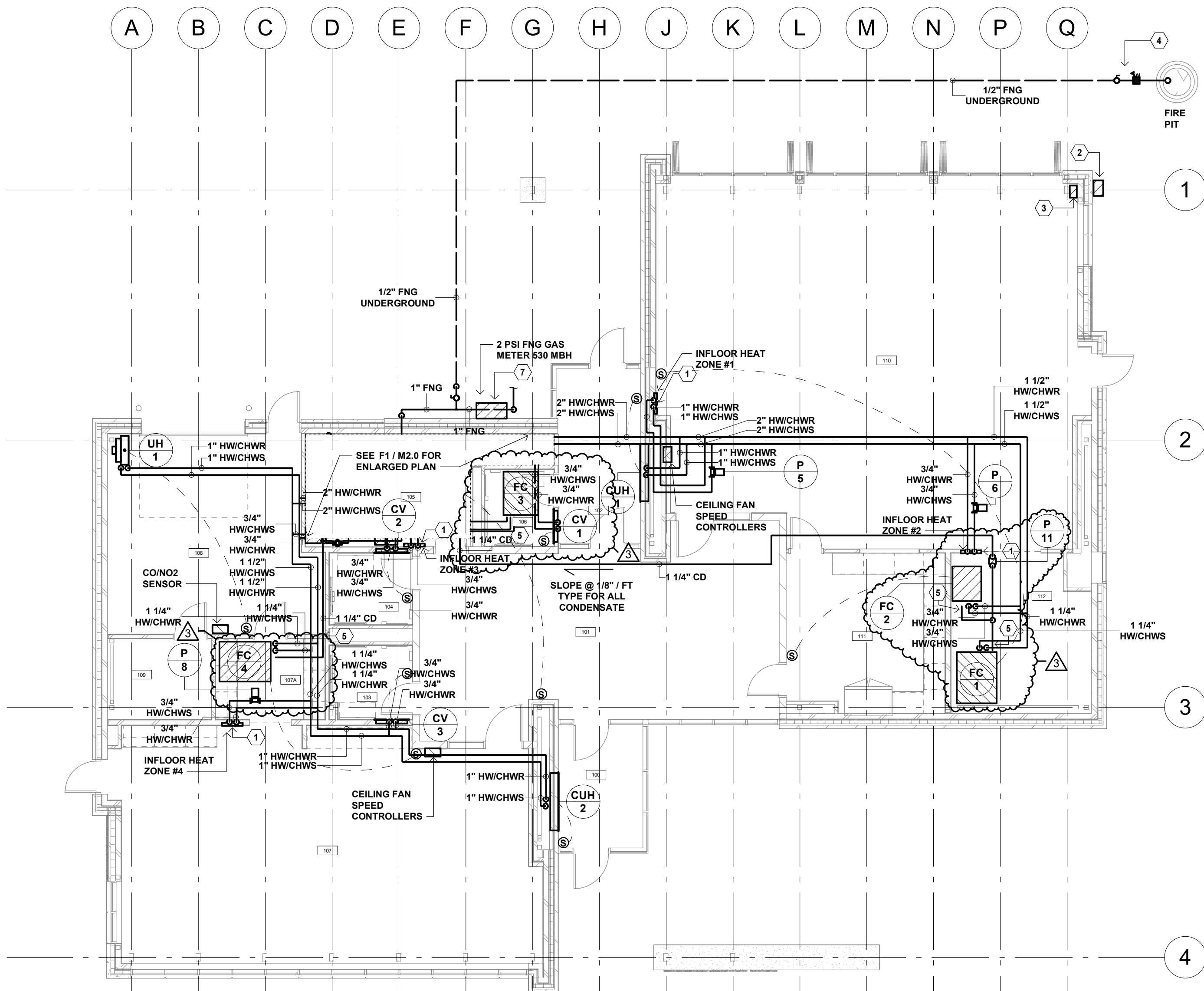
C1 GEOTHERMAL WELL LOCATION
3/200" = 1'-0"

GEOTHERMAL PLAN GENERAL NOTES:

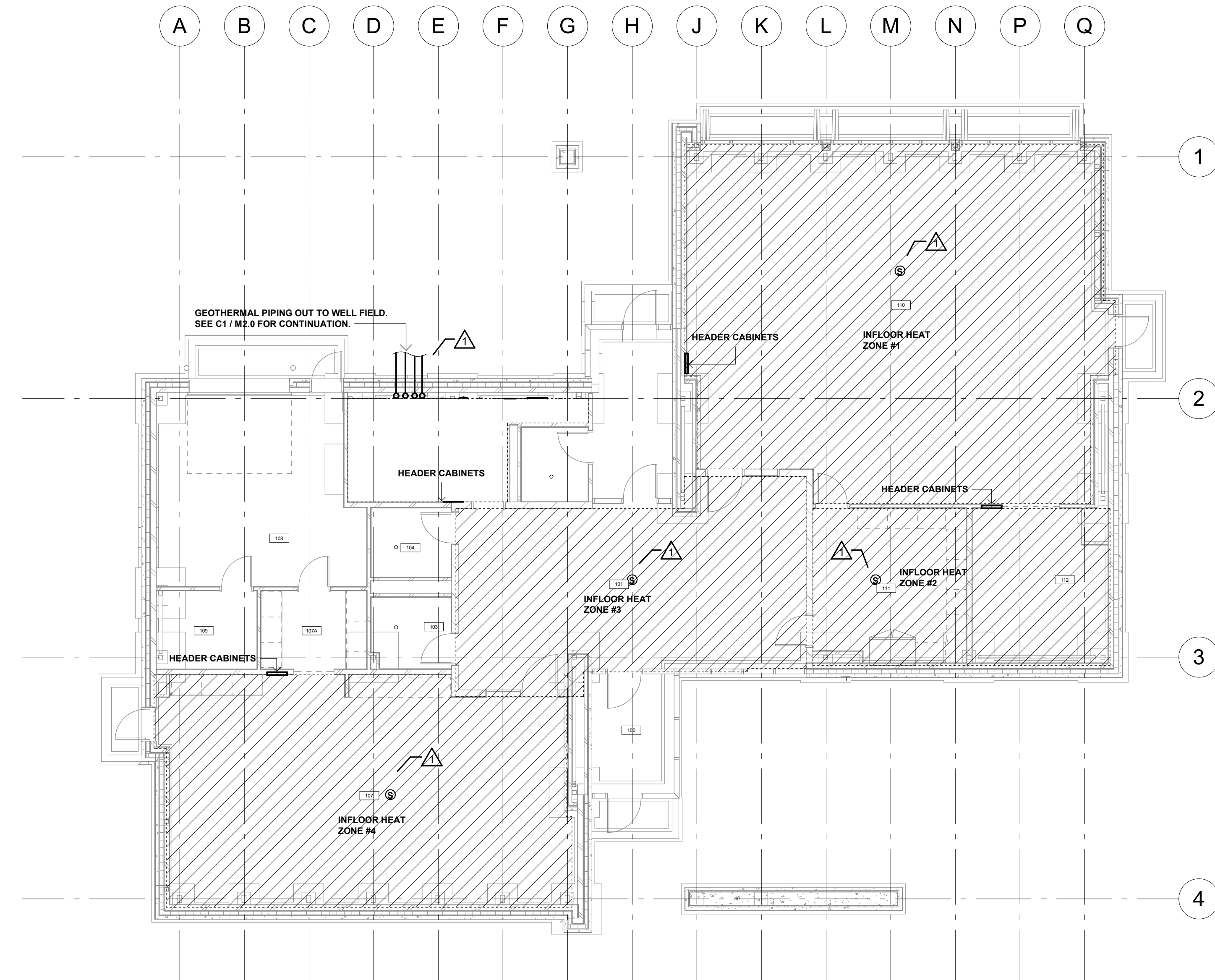
1. REFER TO GROUND HEAT EXCHANGER SPECIFICATIONS FOR FULL DETAILS.
2. THE GROUND HEAT EXCHANGER CONSISTS OF 2 HEADER MAINS EACH WITH 8 HORIZONTAL BOREHOLES, FOR A TOTAL OF 16 BOREHOLES AT A DEPTH OF 14', WITH A HORIZONTAL LENGTH OF 350' PER BOREHOLE.
3. BOREHOLES ARE TO BE A MINIMUM OF 10' AWAY FROM BUILDINGS AND A MINIMUM OF 5' AWAY FROM PROPERTY LINES.
4. GLYCOL TO BE USED IS 25% BY VOLUME PROPYLENE GLYCOL, PREMIXED WITH DI WATER AND SUITABLE CORROSION INHIBITORS BY MANUFACTURER. REFER TO 23 21 13 FOR FURTHER REQUIREMENTS.
5. CIRCUIT PIPES TO BE CONNECTED TO THE HEADER IN A REVERSE RETURN LAYOUT AS SHOWN IN C4/M6.3.
6. GHX CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY SERVICES UNDERNEATH THE GHX.
7. MINIMUM BENDING RADIUS IS 20 TIMES THE OUTER DIAMETER FOR ANY PIPE CURVATURE.
8. NO PETROLEUM BASED PRODUCTS ARE TO BE IN CONTACT WITH THE HOPE PIPE AT ANY TIME.
9. ALL PIPING IS TO BE CAPED AND PRESSURIZED TO 100 PSIG USING FUSION WELDED ENDCAPS ONCE THE U-BEND PIPING ASSEMBLY HAS BEEN INSTALLED.
10. NO OPEN PIPE ENDS ARE TO BE LEFT UNATTENDED AT ANY TIME. PIPING MUST MAINTAIN 100 PSIG BEFORE AND AFTER BACKFILLING OF TRENCHES.
11. BURIED PIPING SHALL INCLUDE METALLIC TRACER WIRE FOR EASE OF LOCATING.
12. A WARNING STRIP 1.5" WIDE, INDICATING "CAUTION: GEOTHERMAL PIPING," TO BE BURIED 12" TO 18" BELOW GRADE, ABOVE PIPING.
13. CONTRACTOR SHALL PROVIDE A TEST WELL, GROUT, CONDUCTIVITY TEST AND PROVIDE REPORT TO THE ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH THE WORK. TEST WELL AND CONDUCTIVITY TESTING SHALL BE IN ACCORDANCE WITH ALL ASHRAE, IGSHPA AND MN RULES PROCEDURES. REFER TO SPECIFICATION SECTION 23 21 14.
14. COORDINATE ALL WORK ON SITE WITH THE OWNER'S CONTRACTOR THAT IS PROVIDING THE SITE WORK UNDER SEPARATE CONTRACT.
15. REFER TO SPECIFICATION SECTION 01 22 00 - "UNIT PRICES" FOR ADDING/SUBTRACTING GEOTHERMAL WELLS.



F1 ENLARGED MECHANICAL ROOM
1/2" = 1'-0"



C5 HYDRONIC PIPING PLAN
1/8" = 1'-0"



F5 HYDRONIC PIPING PLAN - INFLOOR HEATING PLAN
1/8" = 1'-0"

HYDRONIC PLAN GENERAL NOTES:

1. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
4. COORDINATE TEMPERATURE SENSOR LOCATIONS WITH OTHER TRADES, BUILDING ELEMENTS, MARKER BOARDS, AND ELECTRICAL SWITCHES. ADJUST THE EXACT LOCATIONS AS REQUIRED TO AVOID CONFLICTS.
5. BRANCH PIPING TO EQUIPMENT TO BE 3/4" UNLESS OTHERWISE NOTED.
6. ROUTE PIPES BETWEEN JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS.

HYDRONIC PLAN KEYED NOTES:

1. INFLOOR HEATING MANIFOLD AND CABINET.
2. PROVIDE EMERGENCY SHUTOFF SWITCH FOR SOLENOID VALVE IN GAS LINE TO FIRE PIT.
3. PROVIDE FIRE PIT TIMER AND GAS SOLENOID VALVE CONTROLLER. REFER TO SPECIFICATION SECTION 23 11 23 FOR CONTROLLER.
4. PROVIDE GAS SOLENOID VALVE IN FIRE PIT. ALSO PROVIDE SHUT OFF VALVE, DIRT LEG AND REGULATOR AT FIRE PIT.
5. PROVIDE 1 1/4" CONDENSATE DRAIN FROM FAN COIL UNIT. ROUTE TO MOP SINK AND TERMINATE ABOVE SPILL LINE.
6. BALANCE AT INDICATED GPM.
7. CONTRACTOR TO COORDINATE WITH THE UTILITY FOR INSTALLATION AND TO CONFORM TO ALL UTILITY REQUIREMENTS.
8. SURFACE MOUNTED IN FLOOR HEAT MANIFOLD

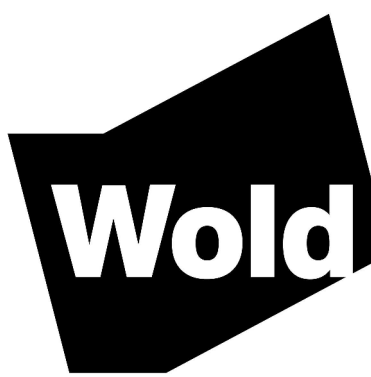
GLACIAL VALLEY PARK BUILDING

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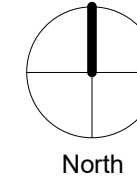
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER MINNESOTA

Ron M. Mulla

License Number: Date: 11/08/22

Description	Date	Num
Addendum #1	11/28/2022	1
SIW02	05/02/2023	2
PS004	07/11/2023	3

Comm: 222064
Date: 11/08/22
Drawn: AG
Check: JM

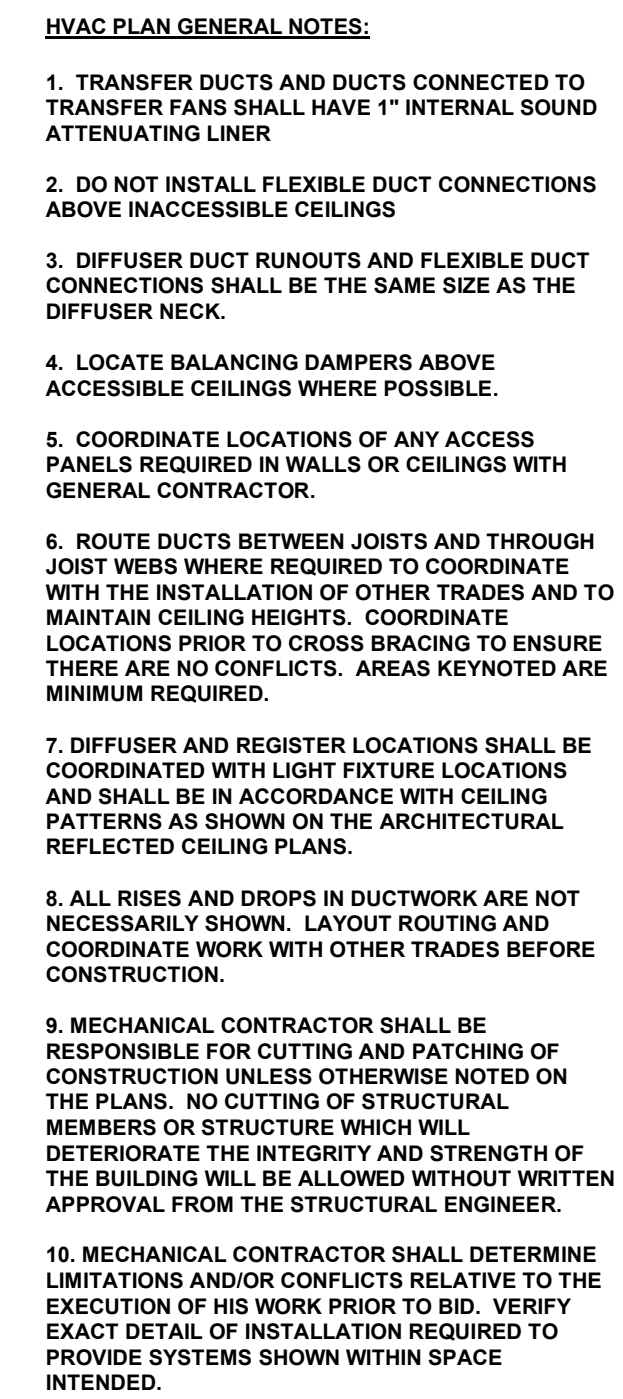


HYDRONIC PLAN

Scale: As indicated

M2.0

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HVAC PLAN KEYED NOTES:

- ① PROVIDE DOUBLE WALL DUCTWORK WHERE DUCT IS SHOWN WITH AN INNER DASHED LINE.
- ② PROVIDE FULL SIZE LOUVER PLENUM. REFER TO DETAIL CSM6.2. REFER TO ARCH. PLAN FOR LOUVER SIZES.
- ③ REFER TO DETAIL FT/M6.1 FOR DUCT PROTECTION DETAIL IN GARAGE.
- ④ PROVIDE DUCT F/ SMOKE DETECTOR IN RETURN DUCT. COORDINATE WITH DIV. 28.

E4 HVAC PLAN
1/8" = 1'-0"

Comm: **222064**
Date: **11/08/22**
Drawn: **AG**
Check: **JM**


North

Scale: 1/8" = 1'-0"

M3.0

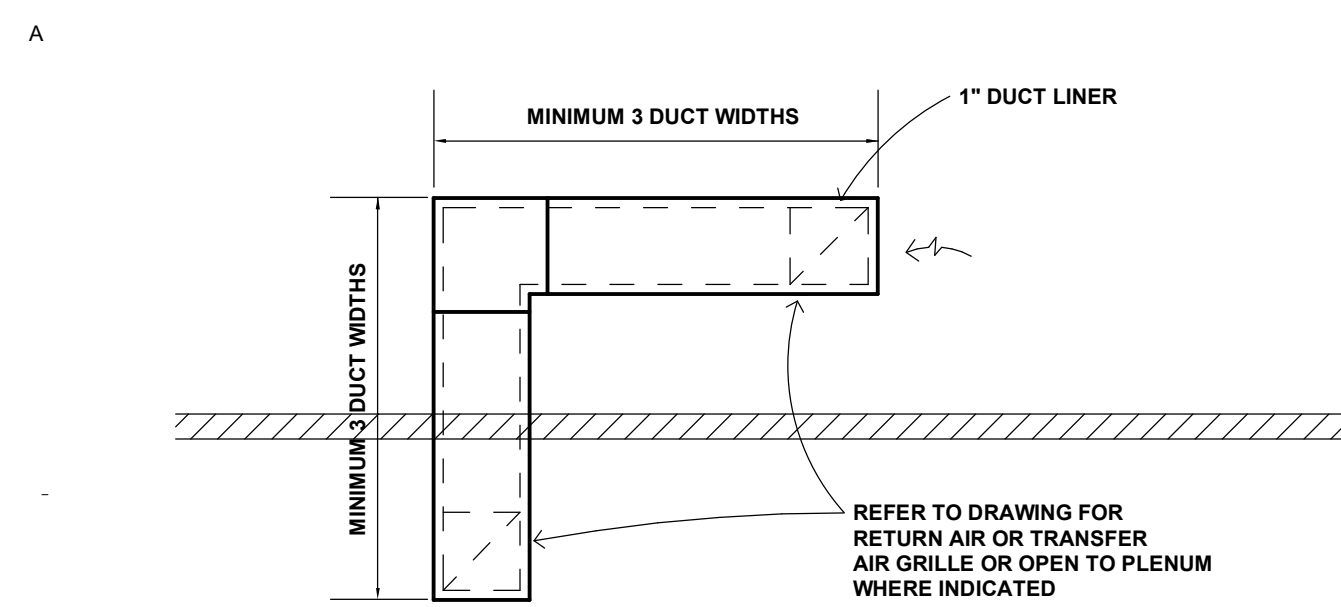
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MAINTAIN 10 FEET MINIMUM CLEARANCE TO INTAKE HOODS FROM ALL EXHAUST, RELIEF AND PLUMBING VENTS.

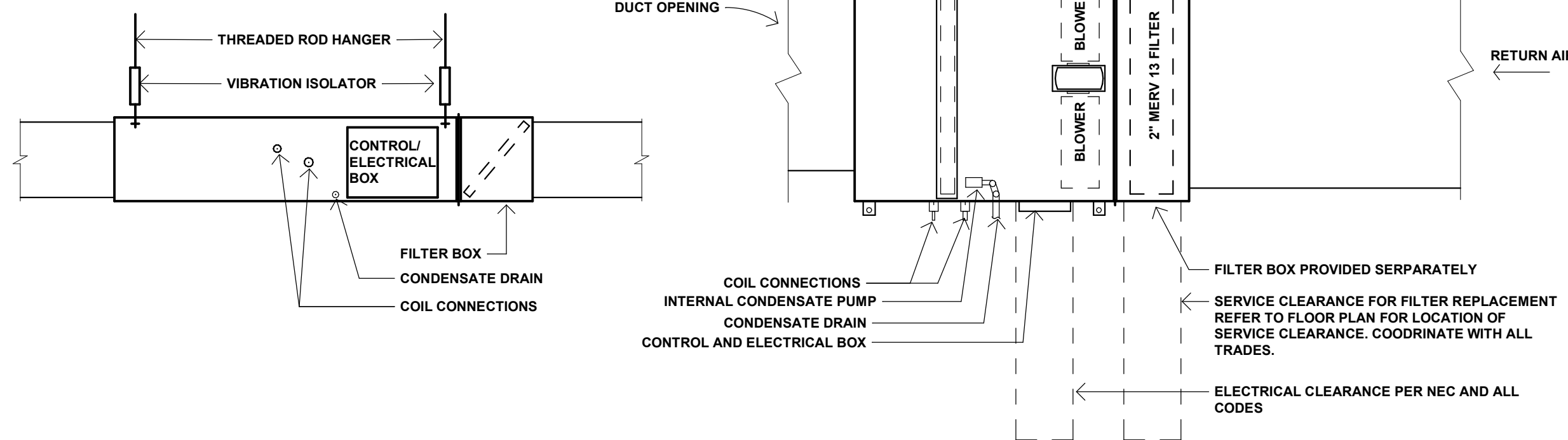


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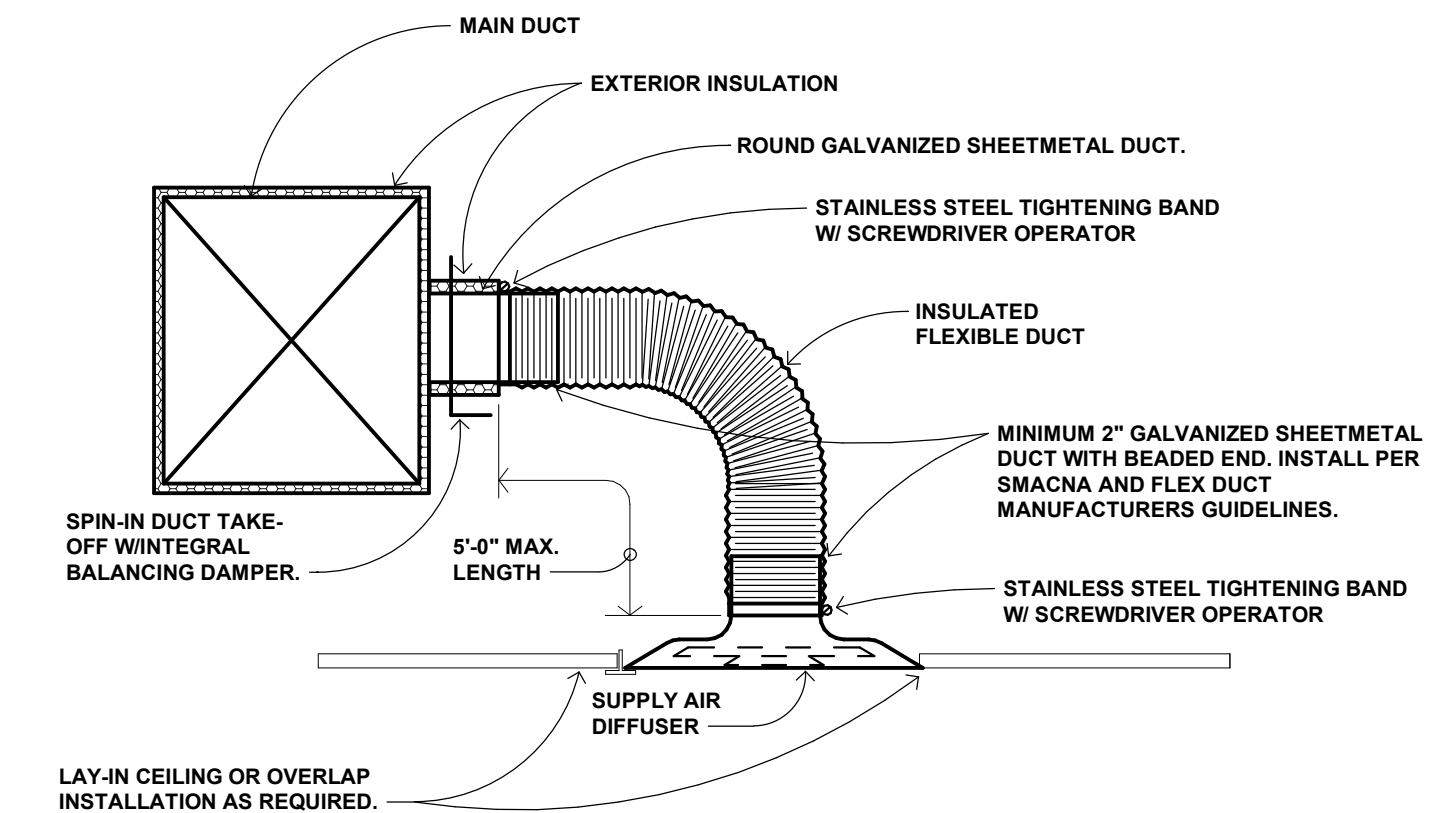
MN



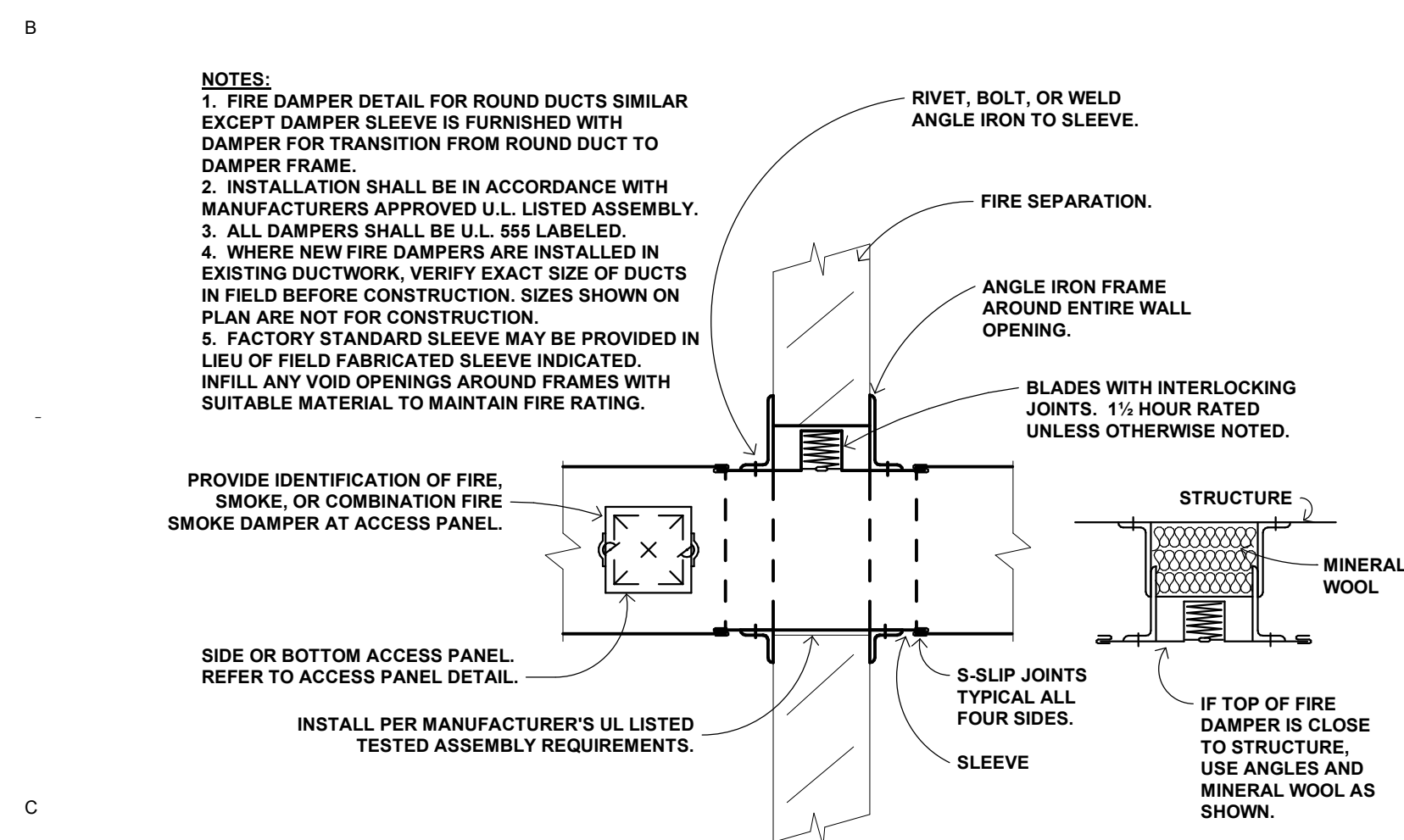
B1 TRANSFER AIR DUCT
NOT TO SCALE



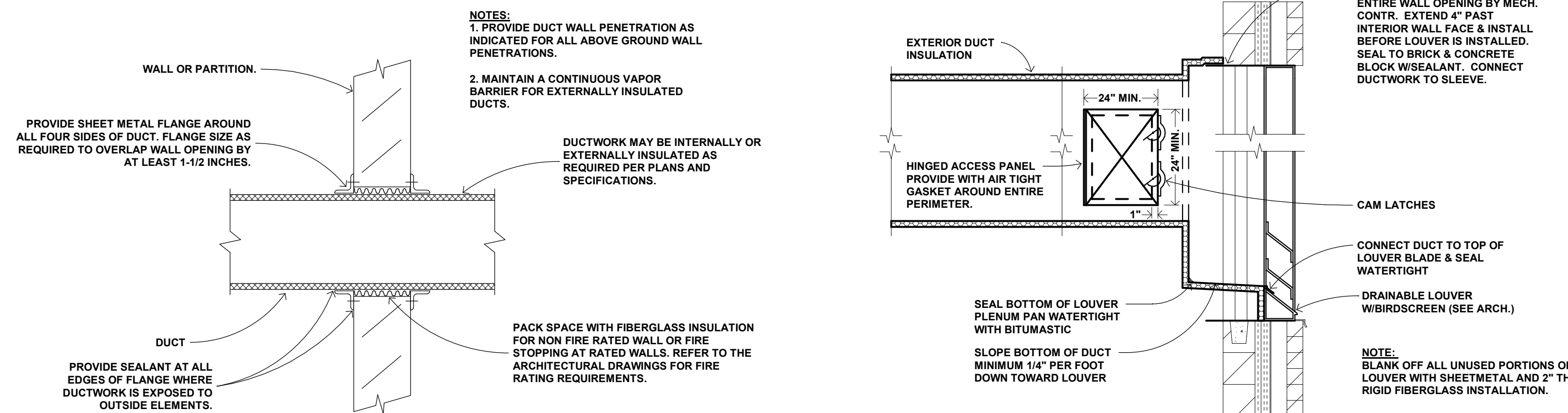
B3 FAN COIL DETAIL
NOT TO SCALE



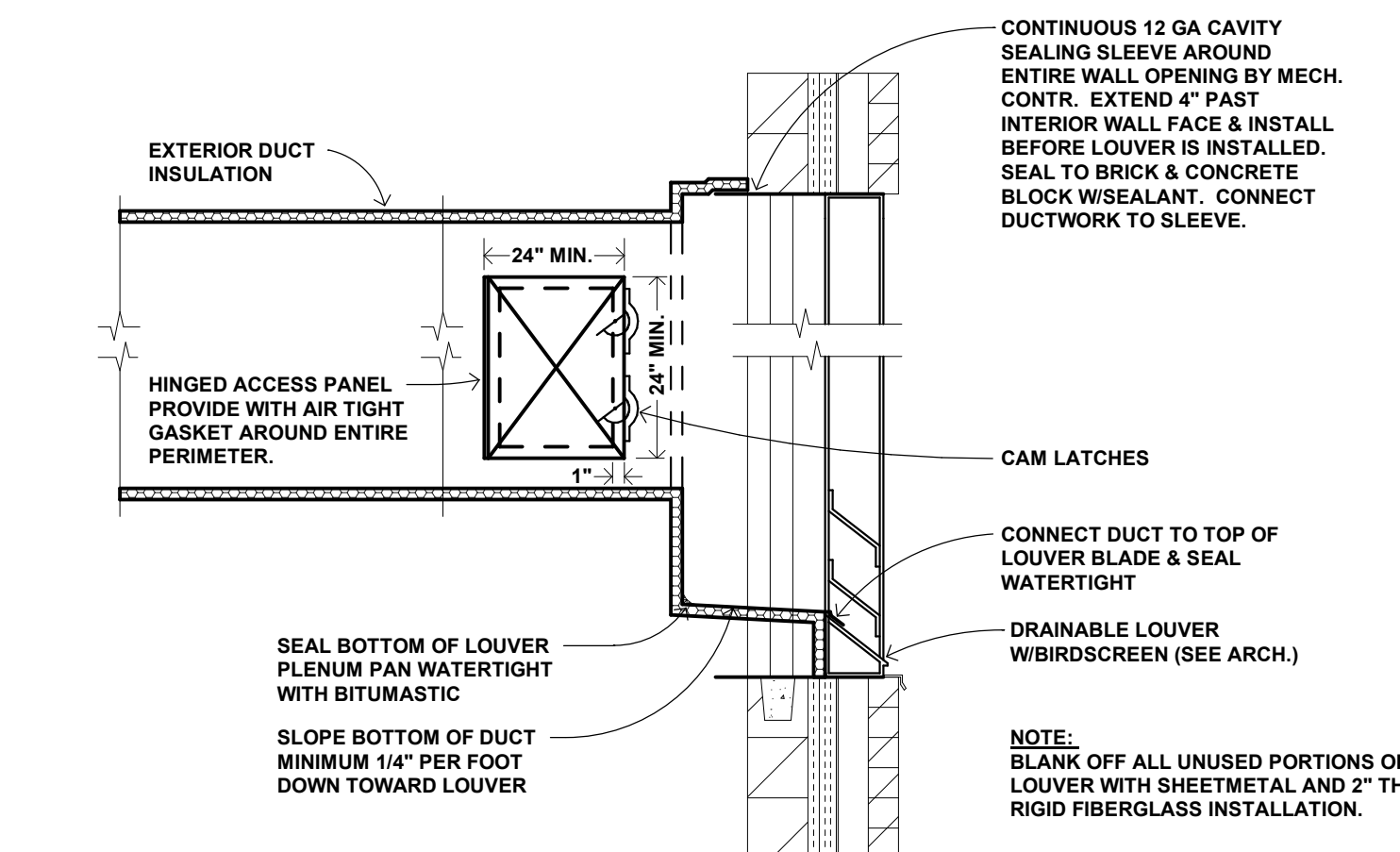
B7 FLEXIBLE DUCT CONNECTION DETAIL
NOT TO SCALE



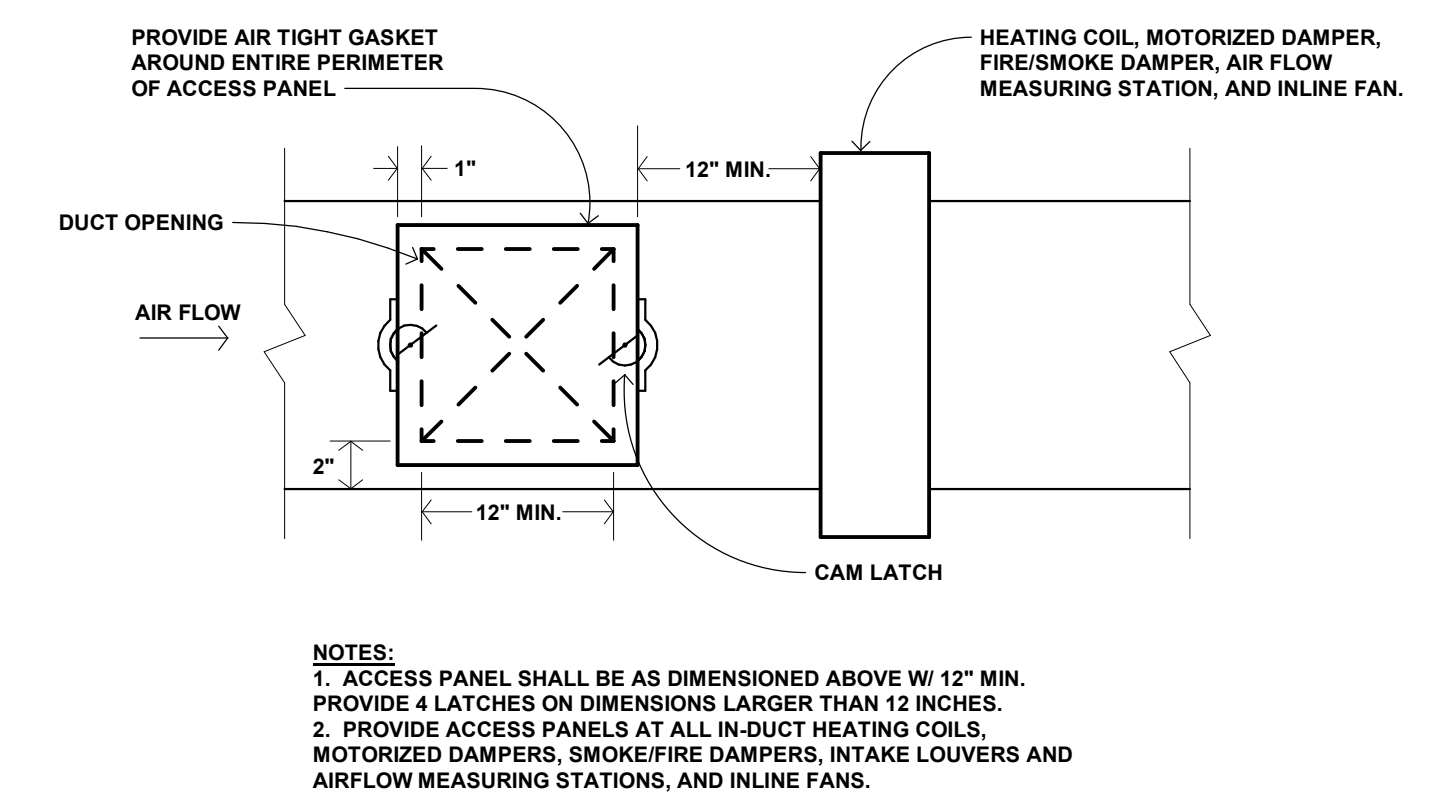
C1 FIRE DAMPER AT WALL DETAIL
NOT TO SCALE



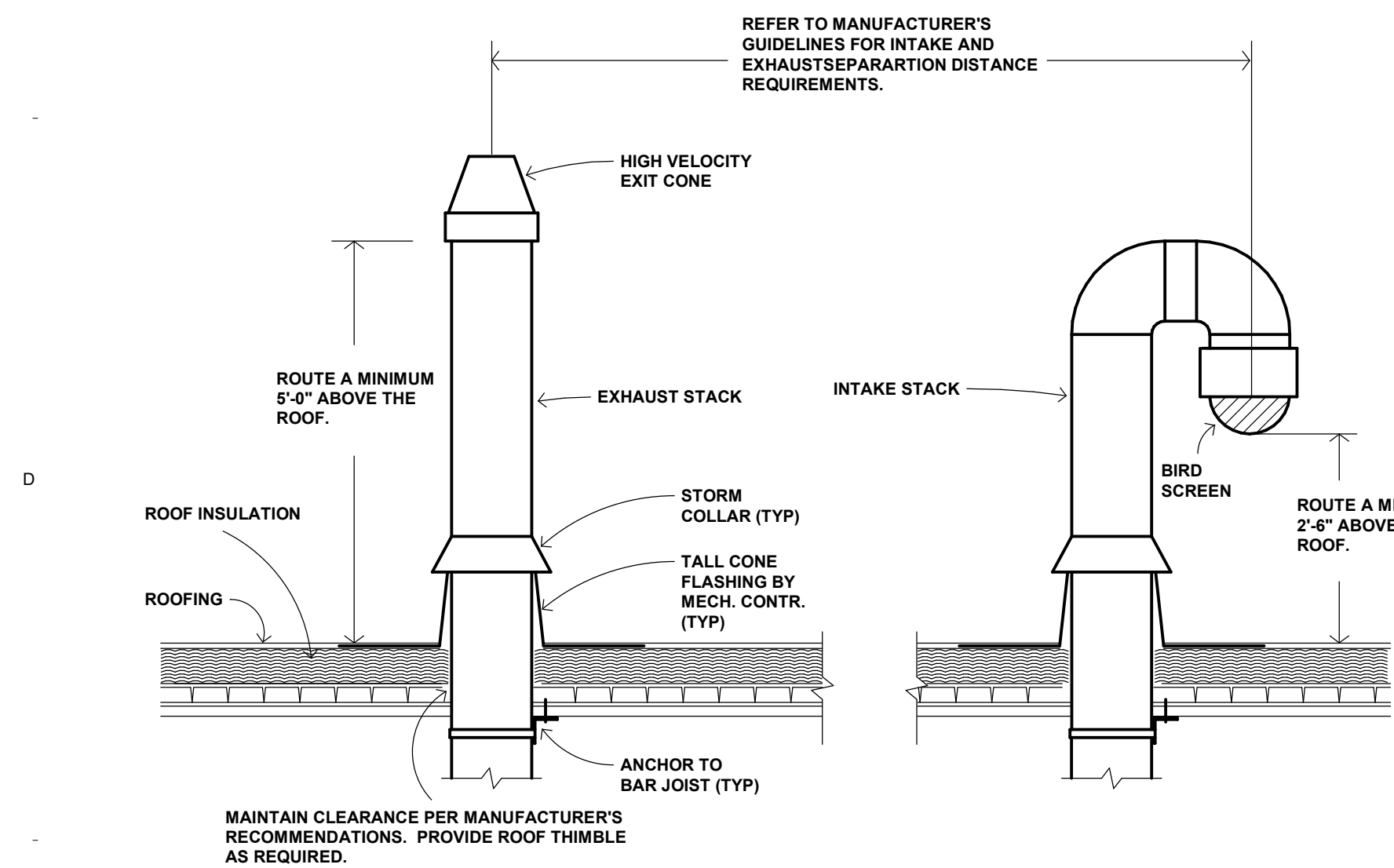
C3 DUCT WALL PENETRATION DETAIL
NOT TO SCALE



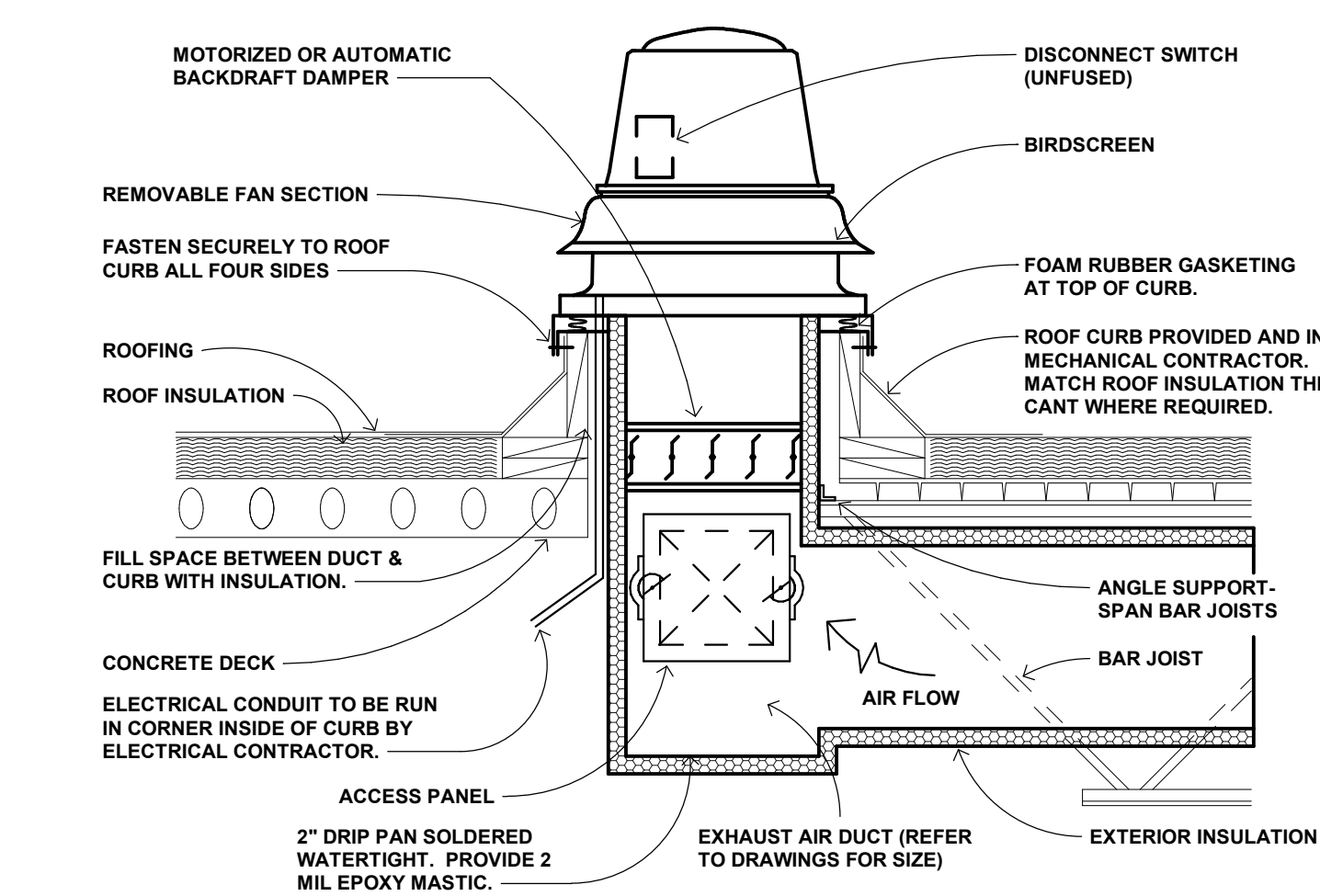
C5 LOUVER INSTALLATION DETAIL
NOT TO SCALE



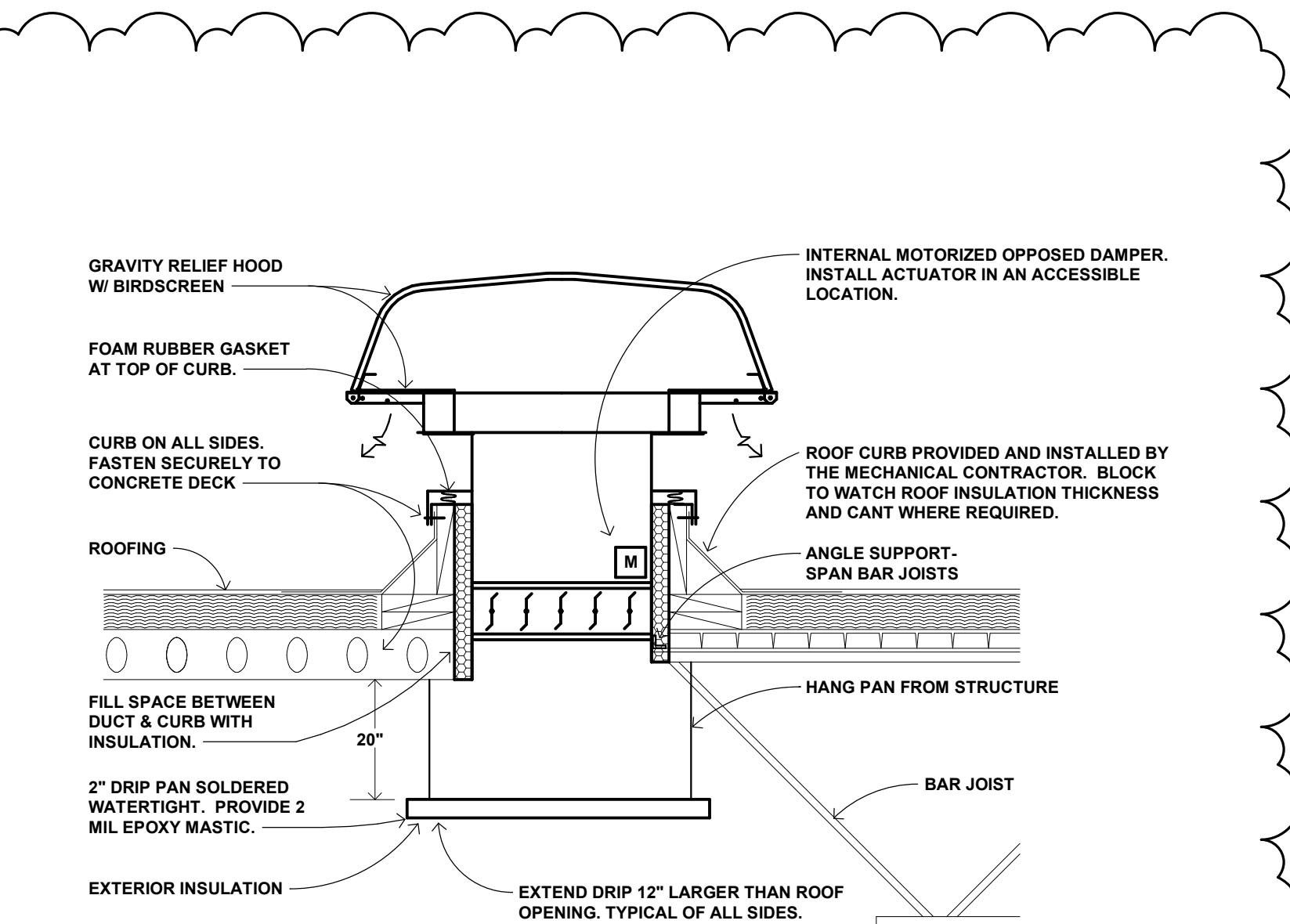
C7 ACCESS PANEL DETAIL
NOT TO SCALE



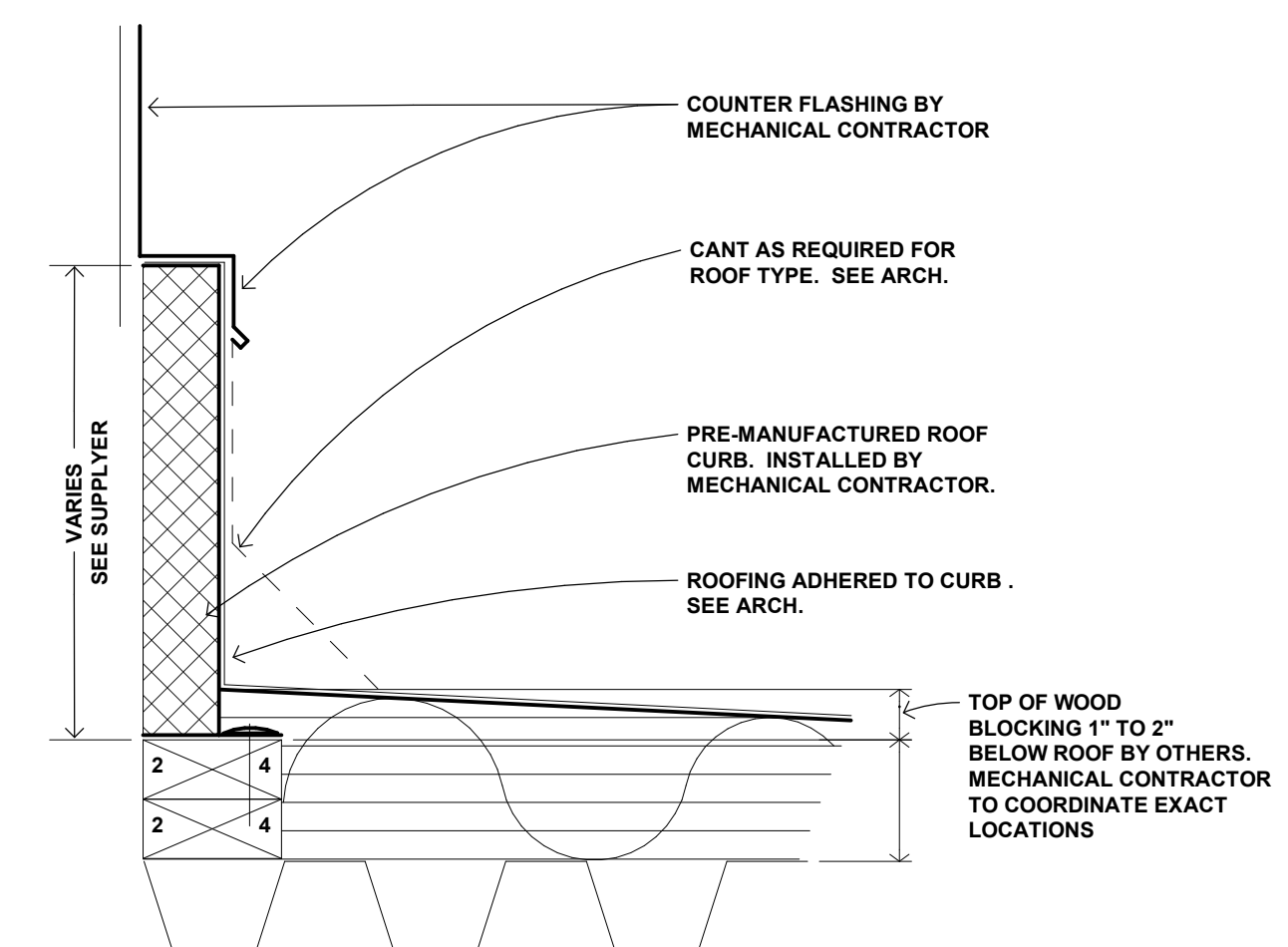
E1 HIGH EFFICIENCY BOILER EXHAUST/INTAKE VENT DETAIL
NOT TO SCALE



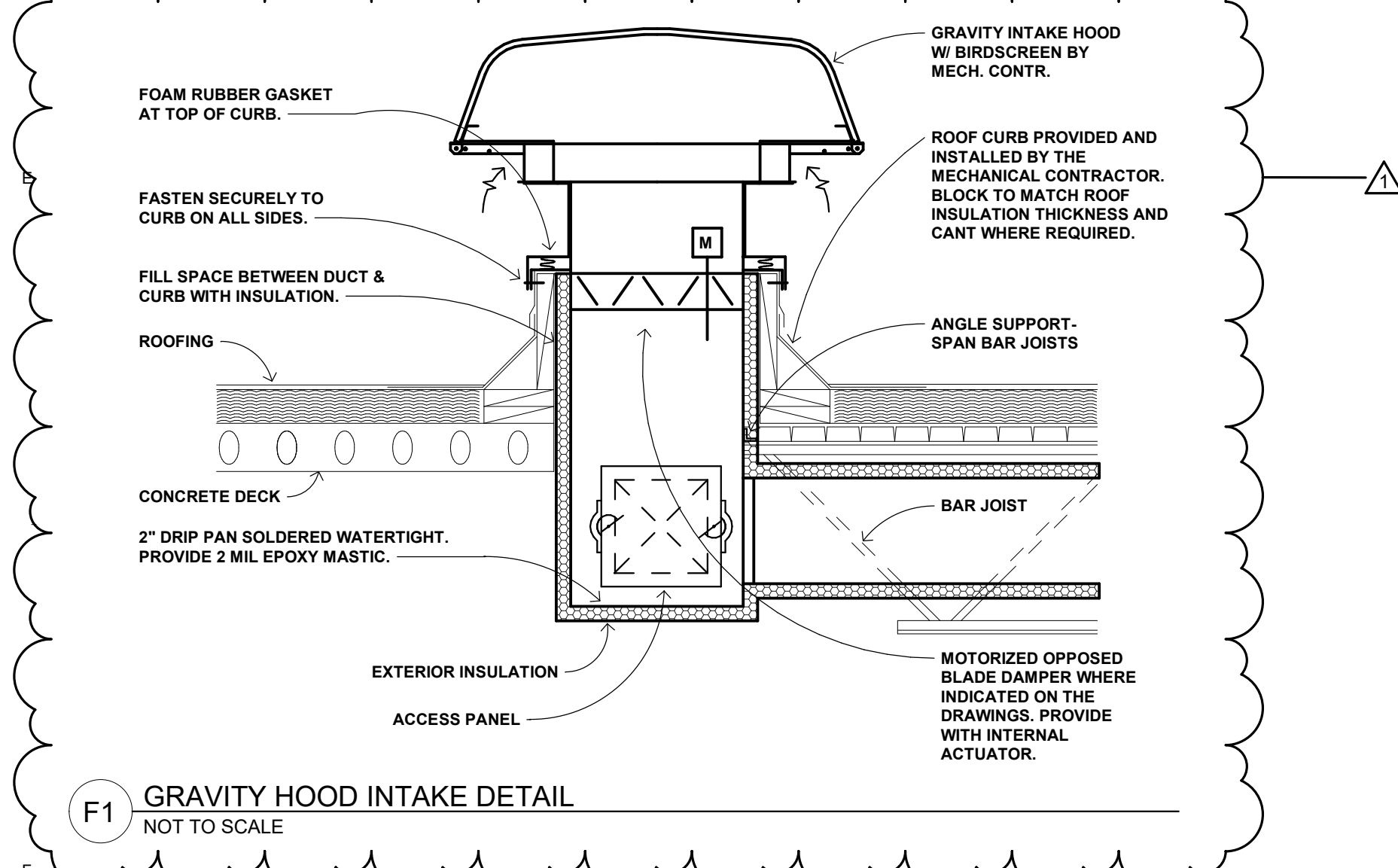
E3 TYPICAL P.R.V. EXHAUST FAN DETAIL
NOT TO SCALE



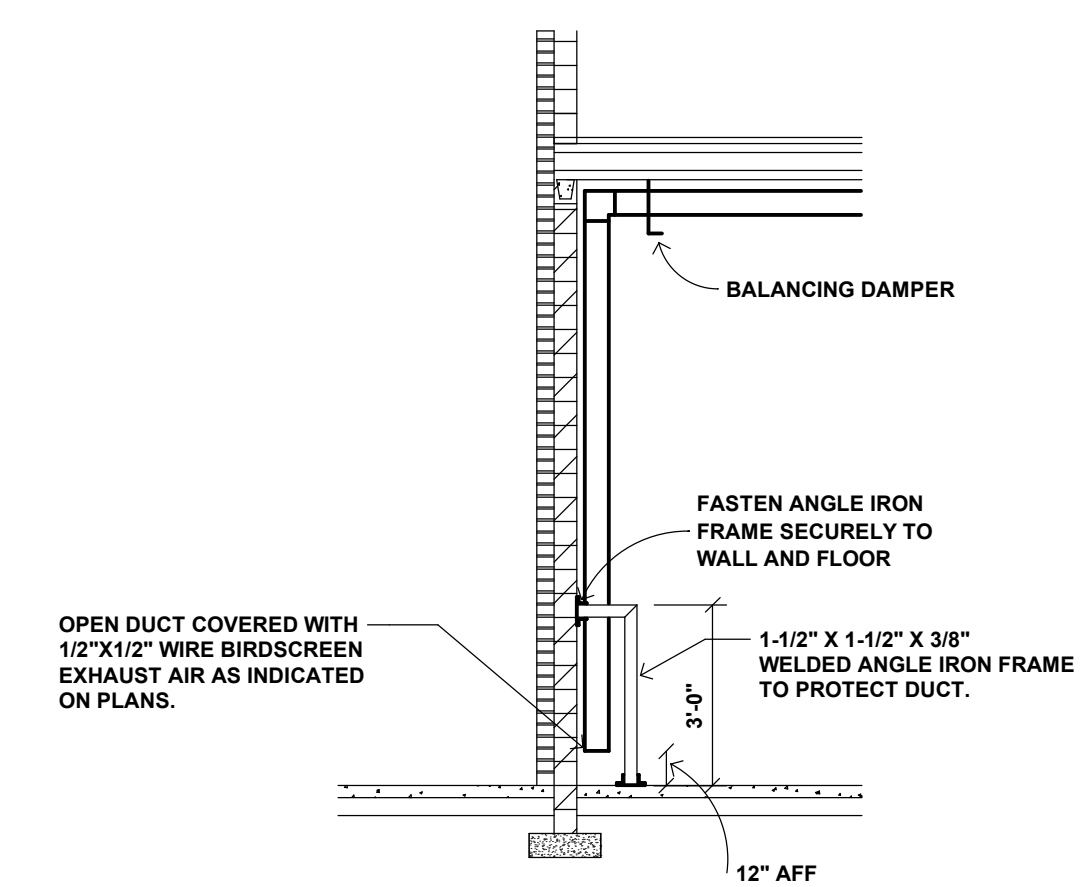
E5 GRAVITY RELIEF HOOD DETAIL
NOT TO SCALE



E7 **MANUFACTURED CURB DETAIL**
NOT TO SCALE



F1 GRAVITY HOOD INTAKE DETAIL
NOT TO SCALE



F7 GARAGE FLOOR EXHAUST DETAIL
NOT TO SCALE

I hereby certify that this plan, specification or report was prepared
me or under my direct supervision and that I am a duly Licensed
PROFESSIONAL ENGINEER
under the laws of the State of **MINNESOTA**

License Number: **Date 11/08/22**

[illegible]

Comm: **222064**
Date: **11/08/22**
Drawn: **AG**
Check: **PJJ**

DETAILS

Scale: 1/8" = 1'-0"

M6.2

MN

M

BOILER SCHEDULE (B-X)											
UNIT NO.	MANUFACTURER	MODEL NUMBER	NOMINAL HP	TYPE	FUEL	FIRING RATE MBH/GPH	GROSS OUTPUT MBH	AMPS	VOLTS	PHASE	REMARKS
B-1	LOCHINVAR	WB28SN	7.9	FIRE TUBE-COND.	NG	285	264	7.0	120	1	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

EXHAUST FAN AND TRANSFER FAN SCHEDULE															(EF-X)				
UNIT NO.	SERVES	LOCATION	MANUFACTURER	MODEL NO.	TYPE	CFM	TOTAL S.P. W.C.	DRIVE	EC MOTOR	RPM	HP	VOLTS/ PHASE	MAKE-UP AIR SOURCE	MOTORIZED DAMPER	CONTROL				REMARKS
															BAS TIME OF DAY	BAS TIMED PUSH BUTTON	BAS TEMPERATURE SENSOR	OTHER - REFER TO SPECIFICATION	
EF-1	103, 104, 106 - TOILET ROOMS	ROOF	COOK	90 ACEH	PRV	300	0.5	DIRECT	YES	1487	1/4	120/1	FANCOIL	NO	YES	NO	NO	NO	1, 2, 3
EF-2	108 - PARKS STORAGE	ROOF	COOK	90 ACEH	PRV	300	0.5	DIRECT	YES	1487	1/4	120/1	FANCOIL	YES	NO	NO	NO	NO	1, 2, 4
EF-3	111 - KITCHENETTE/SERVING	ROOF	COOK	101 ACED OR79	PRV	175	0.375	DIRECT	YES	1317	1/4	120/1	FANCOIL	NO	YES	NO	NO	NO	1, 2, 3

NOTES:
1. 120/1 VOLT FANS SHALL BE PROVIDED WITH A FACTORY MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH EC MOTOR.
3. PROVIDE WITH A GRAVITY BACK DRAFT DAMPER UNLESS A MOTORIZED DAMPER IS INDICATED TO BE PROVIDED.
4. WHERE MOTORIZED DAMPERS ARE INDICATED, THE DAMPERS AND ACTUATORS SHALL BE PROVIDED BY THE BAS CONTRACTOR AND INSTALLED BY DIV 23 CONTRACTOR.

DOMESTIC WATER HEATER SCHEDULE													
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS OR ELEC)	MBH INPUT	STORAGE CAP. (GALLONS)	GPH RECOVERY @ 90° RISE	WATER TEMP.	VENT SIZE	VOLTS	PHASE	AMPS	REMARKS
WH-1	LAVS AND KITCHENETTES	A.O. SMITH	BTH 120	GAS	120	60	154	110°	3	120	1	5.0	1,2,3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH ASME RATED PRESSURE/TEMPERATURE RELIEF VALVE.
3. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.

FAN SCHEDULE											CF X
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	STYLE	CFM	DIAMETER IN.	WATTS	VOLTS	PH	REMARKS	
CF-1	110 - MULTIPURPOSE	MINKAIRE	F524-CL	CEILING MOUNTED	1110	52	22	120	1	1,2	
CF-2	110 - MULTIPURPOSE	MINKAIRE	F524-CL	CEILING MOUNTED	1110	52	22	120	1	1,2	
CF-3	107 - CLASSROOM/PROGRAMS	MINKAIRE	F524-CL	CEILING MOUNTED	1360	52	22	120	1	1,2	
CF-4	107 - CLASSROOM/PROGRAMS	MINKAIRE	F524-CL	CEILING MOUNTED	1360	52	22	120	1	1,2	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH REMOTE WALL MOUNTED SPEED CONTROL.

UNIT HEATER/CABINET UNIT HEATER SCHEDULE (UH-X)											
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS, HW OR ELEC)	CABINET	CFM	RPM	HP	VOLTS	PHASE	REMARKS
UH-1	108 - PARKS STORAGE	ZHENDER-RTITLING	RH-193	HW		2900	-	1/4	120	1	65.6, 6.6, 1, 2, 5
CUH-1	102 - NORTH VESTIBULE	ZHENDER-RTITLING	RRW-330-08	HW	WALL	810	-	1/16	120	1	34.9, 3.7, 1, 2, 3, 4, 5
CUH-2	100 - SOUTH VESTIBULE	ZHENDER-RTITLING	RRW-330-08	HW	WALL	810	-	1/16	120	1	34.9, 3.7, 1, 2, 3, 4, 5

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. UNITS ARE SELECTED WITH 125 DEGREE ENTERING WATER AND 105 DEGREE LEAVING WATER WITH A 60 DEGREE ENTERING AIR TEMPERATURE.
3. UNITS SHALL BE VERTICAL WALL MOUNTED WITH BOTTOM INLET AND TOP OUTLET.
4. SEMI-RECESSED WITH 2 1/2" EXPOSED CABINET.
5. SELECT WITH 35% PROPYLENE GLYCOL.

GEOTHERMAL HEAT PUMP SCHEDULE (GHP-X)																	
UNIT NO.	SERVES	MANUF.	MODEL NO.	COMPRESSOR TYPE	REFRIGERANT TYPE	NUMBER OF MODULES	NOMINAL TONS	PIPE CONNECTION SIZE	LOAD EWT/LWT	LOAD GPM	LOAD P.D.-FT	COOLING DATA	HEATING DATA	OUTPUT MBH	COP	ELECTRICAL	REMARKS
GHP-1	GEOTHERMAL WELL FIELD	MULTISTACK	MSR030X	SCROLL	R410A	1	1(30)	6"	84.0/42.0	69.64	11.95	77/87	100/7	23.25	31.69	4.74	109/125

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WELL FIELD WITH 35% PROPYLENE GLYCOL AND BUILDING LOOP WITH 35% PROPYLENE GLYCOL.

CONVECTOR SCHEDULE										
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	TYPE	SIZE LxHxD	ENT. WATER	LVG. WATER	MBH	GPM	REMARKS
CV-1	106 TOILET	ZHENDER-RTITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2
CV-2	104 TOILET	ZHENDER-RTITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2
CV-3	103 TOILET	ZHENDER-RTITLING	PL-26-36-04	RECESSED WALL	36"x26"x4"	125	115	1	1.0	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

WATER SOFTENER SCHEDULE															WS-X
UNIT NO.	MANUFACTURER	MODEL NUMBER	TYPE	EXCHANGE CAPACITY PER TANK (GRAINS)		FLOW RATE (GPM)		RESIN (CU. FT.)	BACKWASH FLOW RATE (GPM)	BRINE TANK STORAGE (LBS)	SOFTENER TANK SIZE	BRINE TANK SIZE	INLET/OUTLET HEADER PIPE SIZE	REMARKS	
				7 LBS SALT PER CU. FT.	13 LBS SALT PER CU. FT.	STD. @ 15 PSI	PEAK @ 25 PSI								
WS-1	WCC	MF-120 MR	CATION EXCHANGE	92,000	120,000	33	45	4	7	650	16W x 65H	24W x 50H	1.6"	1, 2, 3	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH DIGITAL DISPLAY PROGRAMMABLE CONTROLLER.
3. CONNECT MECHANICAL CONTROLLER TO INLET AND OUTLET HEADERS AS INDICATED ON DRAWINGS.

SIDE STREAM FILTER SCHEDULE (F X)									
UNIT NO.	SERVES	MANUFACTURER	MODEL NO. 	FILTER TYPE	DESIGN FLOW RATE (GPM)	MAXIMUM FLOW RATE (GPM)	CONNECTION SIZE 	MAXIMUM PRESSURE DROP (PSI)	REMARKS
F-1	GEOTHERMAL PLANT	WESSELS	4NBF12-2F	BAG	60-140	160	2"	0.75	1, 2, 3
F-2	GEOTHERMAL PLANT	WESSELS	4NBF12-2F	BAG	60-140	160	2"	0.75	1, 2, 3

NOTES:
1. FIELD INSTALLED ACCESSORIES INCLUDE AT A MINIMUM PRESSURE GAUGES ON THE INLET/OUTLET, ISOLATION SHUTOFF VALVES, UNION CONNECTIONS, AND A BALANCING VALVE FOR THE FLOW INDICATED.
2. THE MECHANICAL CONTRACTOR SHALL VERIFY INLET AND OUTLET CONFIGURATION.
3. MAXIMUM PRESSURE DROP IS BASED UPON A 5 MICRON CLEAN FILTER.

RADIANT IN FLOOR HEAT SCHEDULE														
UNIT NO.	SERVES	GROSS AREA SF	TUBE TYPE	MANUFACTURER	TUBE SPACING	LOOP LENGTH	# OF LOOPS	LOAD PER SF	TEMP DROP	GPM	HEAD LOSS	REQUIRED WATER TEMP	TOTAL RADIANT LOAD (BTU/HR)	REMARKS
IF-1	ZONE 1	1394	hNPEX 1/2"	UPONOR	12"	299'	5	30	20°	4.63	14.3	126	43911	1, 2, 3
IF-2	ZONE 2	451	hNPEX 1/2"	UPONOR	12"	246'	2	30	20°	1.50	8.2	126	14267	1, 2, 3
IF-3	ZONE 3	615	hNPEX 1/2"	UPONOR	12"	225'	3	30	20°	2.04	6.4	126	19373	1, 2, 3
IF-4	ZONE 4	921	hNPEX 1/2"	UPONOR	12"	250'	4	30	20°	3.06	8.7	126	29012	1, 2, 3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECTED WITH 35% PROPYLENE GLYCOL.
3. PROVIDE ALL SLAB PIPING, MANIFOLDS, SENSORS, AND CONTROLS.

PUMP SCHEDULE																	(P-X)			
UNIT NO.	SERVES	LOCATION	MANUFACTURER	SERIES	MODEL NUMBER	TYPE	DESIGN GPM	DESIGN HEAD	50% FLOW HEAD	SHUTOFF HEAD	IMP. SIZE	EFF.	SUC. SIZE	DISCH. SIZE	RPM	MOTOR	REMARKS			
																H.P.	VOLTS	PHASE	VFD	
P-1	HEATING/CHILLED	MECHANICAL ROOM	B&G	SERIES 4-80	2X2X9.5C	INLINE	75	70	72	73	9.12"	81%	2"	2"	1800	5	208	3	YES	1,3,4
P-2	HEATING/CHILLED	MECHANICAL ROOM	B&G	SERIES 4-80	2X2X9.5C	INLINE	75	70	72	73	9.12"	81%	2"	2"	1800	5	208	3	YES	1,3,4
P-3	WELL FIELD	MECHANICAL ROOM	B&G	SERIES 4-80	3X3X11B	INLINE	105	100	102	105	10.25"	49%	3"	3"	1800	10	208	3	YES	1,3,5
P-4	WELL FIELD	MECHANICAL ROOM	B&G	SERIES 4-80	3X3X11B	INLINE	105	100	102	105	10.25"	49%	3"	3"	1800	10	208	3	YES	1,3,5
P-5	INFLOOR HEAT ZONE #1	110	B&G	PL	PL 55	INLINE	4.6	45	48	52	-	21%	1"	1"	3600	2/5	120	1	NO	1, 4
P-6	INFLOOR HEAT ZONE #2	112	B&G	PL	PL 55	INLINE	1.5	38	45	52	-	19%	3/4"	3/4"	3600	2/5	120	1	NO	1, 4
P-7	INFLOOR HEAT ZONE #3	MECHANICAL ROOM	B&G	PL	PL 55	INLINE	2.0	34	44	52	-	19%	3/4"	3/4"	3600	2/5	120	1	NO	1, 4
P-8	INFLOOR HEAT ZONE #4	107	B&G	PL	PL 55	INLINE	3.1	39	45	52	-	20%	3/4"	3/4"	3600	2/5	120	1	NO	1, 4
P-9	DOMESTIC HW RECIRC.	MECHANICAL ROOM	B&G	NBF	NBF-22	INLINE	3.0	12	14	15	-	20%	3/4"	3/4"	3600	1/8	120	1	NO	1, 2
P-10	SWIMMING POOL	MECHANICAL ROOM	B&G	SERIES 4-80	2X2X12X15-20	ONLINE	20	54	52	57	1.25"	1.25%	1-1/8"	3/8"	1800	1/2	110	1	NO	1
P-11	FAN COIL #1 & #2	112	LITTLE GIANT	VCMA-15	654405	STANDARD	0.4	10	10	15	-	-	-	-	150	115	115	1	NO	1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AND INSTALL A STRAP-ON LINE VOLTAGE ADJUSTAT TO CYCLE PUMP. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR FOR WIRING.
3. VARIABLE FREQUENCY DRIVES SHALL BE PROVIDED BY THE BUILDING AUTOMATION SYSTEM CONTRACTOR. ALL VARIABLE FREQUENCY DRIVES FOR THE ENTIRE PROJECT SHALL BE BY THE SAME MANUFACTURER.
4. SELECT WITH 35% PROPYLENE GLYCOL.
5. SELECT WITH 25% PROPYLENE GLYCOL.

EXPANSION TANK SCHEDULE												ET 'X'
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TANK TYPE	AVERAGE WATER TEMP.	MINIMUM PRECHARGE PRESS. (PSIG)	MAXIMUM OPER. PRESSURE (PSIG)	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	TANK HEIGHT	TANK DIA.	REMARKS
ET-1	HEATING / CHILLED WATER	B&G	BBS-LA	BLADDER	115	12	30	22	11	34"	16"	1, 2
ET-2	CONDENSER WATER	B&G	BBS-LA	BLADDER	80	12	30	22	11	34"	16"	1, 2
ET-3	DOMESTIC HW	B&G	PLT-12	DIAPHRAGM	110	70	150	4.5	2.8	13.6"	10.5"	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

FAN COIL UNIT SCHEDULE																										
UNIT NO.	TYPE	CFM @ HIGH SPEED	COOLING DATA										HEATING DATA										FAN DATA			REMARKS
			COOL MBH	COOL ESP	EAT DB	LAT DB	EWT	LWT	MBH	GPM	FLUID P.D.	AIR P.D.	EAT DB	LAT DB	EWT	LWT	MBH	GPM	FLUID P.D.	AIR P.D.	VOLTS	PHASE	HP	MOTOR TYPE		
FC-1	ENVIRO-TEC, BCU-30	2000	250	665	1.55	78/64.7	54/54.6	42	54	58.9	10.5	6.54	0.32	47.5	91	125	105.1	95.4	10.2	10.01	0.1	208	3	1 1/2 ECM	1, 2	
FC-2	ENVIRO-TEC, HPP08	400	175	175	0.73	80.6/66.7	53.0/52.8	42	54	15.82	3.0	4.28	-	31.8	90.8	125	105	27.55	2.80	4.57	-	120	1	1/3 ECM	1, 2	
FC-3	ENVIRO-TEC, BCU-20	1250	160	350	1.0	77.3/64.2	53.2/53.2	42	54.1	39.5	7.0	5.77	0.26	51.9	91.6	125	105	54	5.7	3.18	0.16	208	3	1 ECM	1, 2	
FC-4	ENVIRO-TEC, BCU-30	2015	280	675	1.25	77.6/61.7	54.1/52.6	42	54	80.7	9.0	5.28	0.33	49.8	91.6	125	105	92	9.7	9.23	0.1	208	3	1 1/2 ECM	1, 2	

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECT WITH 35% PROPYLENE GLYCOL.

INTAKE AND RELIEF HOOD SCHEDULE										(RH-X)
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE	CFM	MAX. SP IN W.C.	THROAT SIZE	BACKDRAFT DAMPER (YES/NO)	REMARKS	
RH-1	FG-224	COOK	4x12GI	GRAVITY RELIEF HOOD	5700	0.072	48x54	NO	1,2	
IH-1	FC-4	COOK	24x18GI	GRAVITY INTAKE HOOD	2400	0.110	24x18	NO	1,4	
IH-2	FC-3	COOK	18x12GI	GRAVITY INTAKE HOOD	1250	0.031	18x12	NO	1,4	

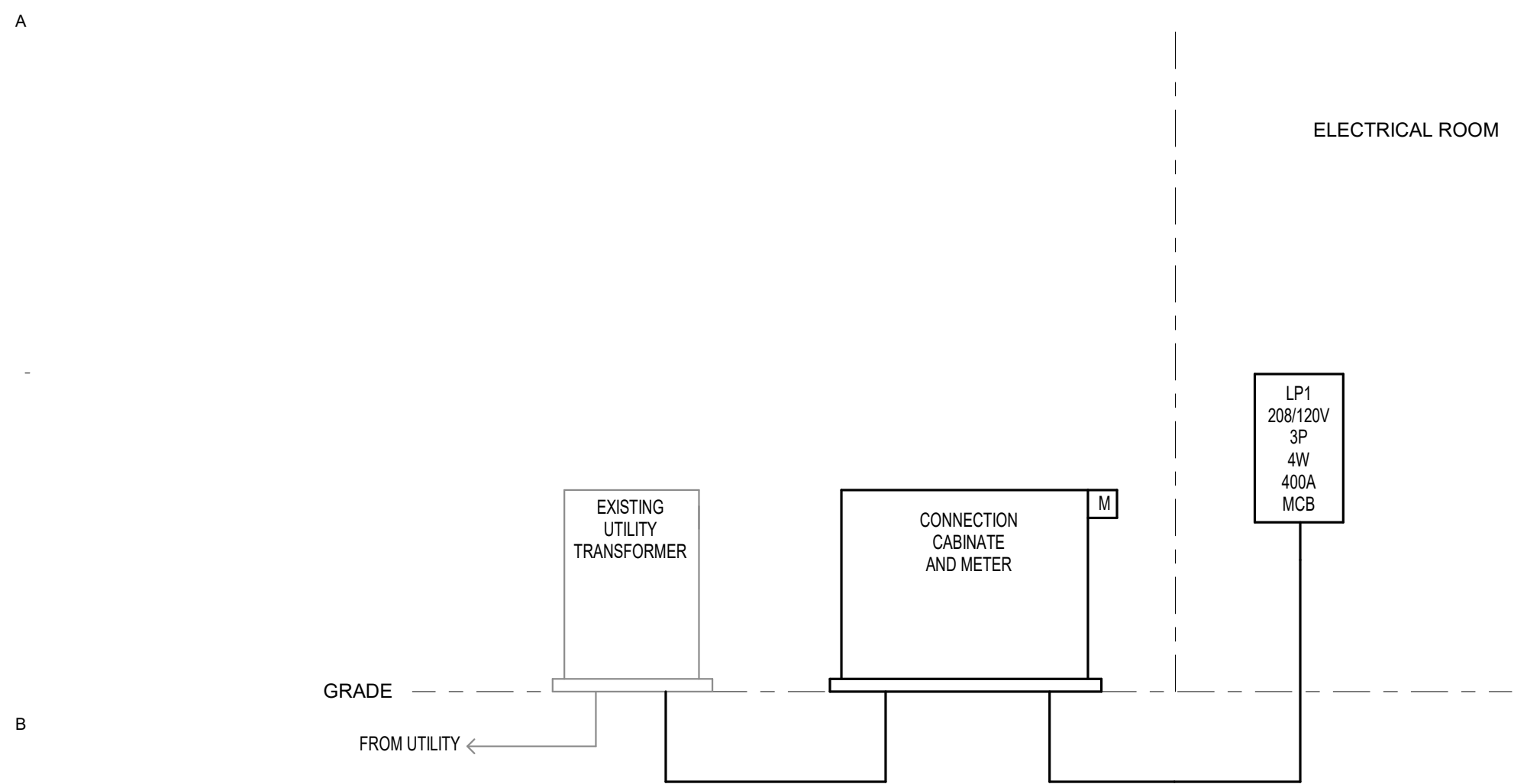
NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. ALL INTAKE AND RELIEF HOODS ARE SHALL HAVE LOCKABLE HINGED OPENINGS.
3. PROVIDE WITH 24" HIGH CURB.
4. PROVIDE WITH 30" HIGH ROOF CURB.

AIR SEPARATOR SCHEDULE							
UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	MAX. GPM	INLET/OUTLET SIZE	BLOWDOWN SIZE	REMARKS
AS-1	WELL FIELD	BELL & GOSSETT	RL-3	190	3"X3"	1"	1, 2
AS-2	BUILDING	BELL & GOSSETT	RL-3	190	3"X3"	1"	1, 2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

PLUMBING FIXTURE SCHEDULE												
FIX. NO.	FIXTURE TYPE	MINIMUM TRAP SIZE	MINIMUM DRAIN SIZE	VENT SIZE	CW SIZE	HW SIZE	TEPID WATER SIZE	VACUUM	LAB GASES			REMARKS
									AIR	NAT. GAS	OTHER	
P-1H	WATER CLOSET (ADA)	3"	4"	2"	1 1/4"	-	-	-	-	-	-	ADA COMPLIANT
P-2H	LAVATORY (ADA)	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-3	MOP BASIN	3"	3"	1 1/2"	3/4"	3/4"	-	-	-	-	-	-
P-4	WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT
P-5	SINGLE SINK	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-6	SINGLE SINK (WIDE)	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-7	EMERGENCY EYEWASH	-	-	-	1/2"	1/2"	1/2"	-	-	-	-	WALL MOUNTED
												ADA COMPLIANT

MN



B1 RISER DIAGRAM N.T.S.

RISER NOTE:

- PANELBOARD SHALL BE SQUARED NQ OR APPROVED EQUAL.

FLOOR BOX (FB) SCHEDULE			
TYPE	DESCRIPTION	FACEPLATE	COVER
FB2	3-GANG, 4 POWER, 2 DATA, RECESSED DUAL SERVICE FLOORBOX CAST IRON, ROUND WIREMOLD RESOURCE RFMBE SERIES OR APPROVED EQUAL	(2) DUPLICATE FACEPLATE FOR POWER WIREMOLD RFB60P OR APPROVED EQUAL (1) STYLELINE FACEPLATES FOR SIGNAL WIREMOLD RFB60FI OR APPROVED EQUAL	FLUSH, FLANGED LID BRUSHED ALUMINUM FINISH SUITABLE FOR TILE CARPET INSTALLATION WIREMOLD CUT OR APPROVED EQUAL PROVIDE SILICON BEAD AROUND OUTER EDGE OF COVER TO SEAL FROM MOISTURE

LIGHTING CONTROLS SCHEDULE						
MARK	INTENDED LOCATIONS OF USE	WALL SWITCH #LEGS	OCF SENSOR LOCATION	MANUAL (AUTO)	DIMMING	DAY LIGHT
A	MULTIPURPOSE, CLASSROOM	2	CEILING	MANUAL		
B	KITCHENETTE	1	CEILING	MANUAL	X	
C	STORAGE	1	WALL	MANUAL		
D	RESTROOMS	NONE	CEILING	AUTO		
E	PARKS STORAGE	1	NONE	MANUAL		
F	LOBBY/VEST	NONE	NONE	AUTO		
G	ELECTRICAL/MECHANICAL ROOMS	1	NONE	MANUAL		

GENERAL NOTES:
A. SCHEMATIC IS SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLAN.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

3 PHASE FEEDER SCHEDULE (COPPER)			
FEEDER 3W (NO NEUTRAL)		FEEDER 4W (WITH NEUTRAL)	
ID	(AMPS)	CONDUIT-PHASE-GROUND	CONDUIT-PHASE-GROUND
20A	(1) 12°C, 3#12+1#12G	(1) 12°C, 4#12+1#12G	
30A	(1) 34°C, 3#10+1#10G	(1) 34°C, 4#10+1#10G	
40A	(1) 34°C, 3#8+1#8G	(1) 34°C, 4#8+1#8G	
50A	(1) 1°C, 3#6+1#10G	(1) 1°C, 4#6+1#10G	
60A	(1) 125°C, 3#4+1#8G	(1) 125°C, 4#4+1#8G	
80A	(1) 125°C, 3#3+1#8G	(1) 125°C, 4#3+1#8G	
100A	(1) 15°C, 3#1+1#8G	(1) 15°C, 4#1+1#8G	
125A	(1) 15°C, 3#1+1#8G	(1) 15°C, 4#1+1#8G	
150A	(1) 15°C, 3#10+1#8G	(1) 15°C, 4#10+1#8G	
175A	(1) 15°C, 3#20+1#8G	(1) 2°C, 4#20+1#8G	
200A	(1) 2°C, 3#30+1#8G	(1) 2°C, 4#30+1#8G	
225A	(1) 2°C, 3#40+1#8G	(1) 25°C, 4#40+1#8G	
250A	(1) 2°C, 3#250+1#4G	(1) 25°C, 4#250+1#4G	
300A	(1) 25°C, 3#350+1#4G	(1) 3°C, 4#350+1#4G	
400A	(2) 2°C, 3#30+1#3G	(2) 2°C, 4#30+1#3G	
500A	(2) 2°C, 3#250+1#2G	(2) 25°C, 4#250+1#2G	
600A	(2) 25°C, 3#350+1#1G	(2) 3°C, 4#350+1#1G	
800A	(3) 25°C, 3#300+1#10G	(3) 25°C, 4#300+1#10G	
1000A	(3) 3°C, 3#400+1#20G	(3) 3°C, 4#400+1#20G	
1200A	(4) 3°C, 3#350+1#30G	(4) 3°C, 4#350+1#30G	
1600A	(5) 3°C, 3#400+1#40G	(5) 3°C, 4#400+1#40G	
2000A	(6) 3°C, 3#400+1#250G	(6) 3°C, 4#400+1#250G	
2500A	(7) 3°C, 3#500+1#350G	(7) 3°C, 4#500+1#350G	
3000A	(8) 3°C, 3#500+1#400G	(8) 35°C, 4#500+1#400G	

GENERAL NOTES:
A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.
B. CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15 OF THE NEC FOR COPPER CONDUCTOR AT 90 DEG C FOR 100A AND BELOW. AMPACITIES ARE BASED ON 75 DEG C FOR 125A AND ABOVE.
C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DURATION FACTORS REQUIRED BY CODE AND/OR ARE OVSIZED FOR VOLTAGE DROP.
D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.
E. CONDUIT ABOVE GRADE OUTDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.
F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.

PANELBOARD: LP1														
LOCATION: ELECTRICAL 109							VOLTAGE: 208Y/120 V, 3 ø 4 W.							
MOUNTING: SURFACE							A.F.C.... SEE SHORT CIRCUIT STUDY							
MAINS TYPE:							SPECIAL:							
MAINS AMPS: 400A														
BUS AMPS:														
FED FROM:														
#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT	#
1		PARKS STORAGE 108	RCPT	20 A	1	0.9	0.7			1	15 A	MTR	EF-1	2
3		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.7		1	15 A	MTR	EF-2	4
5		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.7	1	15 A	MTR	EF-3	6
7		KITCHENETTE 107A	RCPT	20 A	1	0.2	0.2			1	15 A	MTR...	WH-1	8
9		KITCHENETTE 107A	RCPT	20 A	1		0.2	0.1		1	15 A	MTR	B-1	10
11		ELEC 109/CLASS 107	RCPT	20 A	1			0.7	0.5	1	15 A	MTR	CUH-1	12
13		CLASSROOM 107	MTR...	20 A	1	1.1	0.5			1	15 A	MTR	CUH-2	14
15		LOBBY 101/N&S VEST	RCPT	20 A	1		1.1	0.7		1	15 A	MTR	UH-1	16
17		RESTROOMS/MECH 105	RCPT	20 A	1			0.7	13.6	3	200 A	MTR	GHP-1	18
19		KITCHENETTE 111	RCPT	20 A	1	0.2	13.6			--	--	--	--	20
21		KITCHENETTE 111	RCPT	20 A	1		0.2	13.6		--	--	--	--	22
23		KITCHENETTE 111	RCPT	20 A	1			0.2	0.8	3	30 A	MTR	FC-1	24
25		KITCHENETTE 111	RCPT	20 A	1	0.2	0.8			--	--	--	--	26
27		KITCHENETTE 111	RCPT	20 A	1		0.2	0.8		--	--	--	--	28
29		KITCHENETTE 111	RCPT	20 A	1			0.2	0.9	1	15 A	MTR	FC-2	30
31		MULTI 110/STOR 112	MTR...	20 A	1	1.3	0.6			3	30 A	MTR	FC-3	32
33		EXTERIOR	RCPT	20 A	1		0.2	0.6		--	--	--	--	34
35		EXTERIOR	RCPT	20 A	1			0.2	0.6	--	--	--	--	36
37		EXTERIOR	RCPT	20 A	1	0.2	0.8			3	30 A	MTR	FC-4	38
39		STORAGE 108/ ELEC 109	LTG	20 A	1		0.4	0.8		--	--	--	--	40
41		TOILET/KITCH 107A	LTG	20 A	1			0.3	0.8	--	--	--	--	42
43		MECHANICAL 105	LTG	20 A	1	0.2	1.3			1	20 A	Other...	MULTIPURPOSE 110	44
45		N. VEST./S. EXTERIOR	LTG	20 A	1		0.2	3.7		3	60 A	MTR	P-4	46
47		S. VEST./S. EXTERIOR	LTG	20 A	1			0.2	3.7	--	--	--	--	48
49		CLASSROOM 107	LTG	20 A	1	1.7	3.7			--	--	--	--	50
51		KITCH/STOR/MULTI...	LTG	20 A	1		0.5	1.2		1	15 A	MTR	P-6	52
53		MULTIPURPOSE 110	LTG	20 A	1			1.7	1.2	1	15 A	MTR	P-7	54
55		LOBBY 101	LTG	20 A	1	1.8	1.2			1	15 A	MTR	P-8	56
57	P-1		MTR	30 A	3		2.0	0.5		1	15 A	MTR	P-9	58
59	--	--	--	--	--		2.0	0.3	3	30 A	MTR	P-10	--	60
61	--	--	--	--	--	2.0	0.3			--	--	--	--	62
63	P-2		MTR	30 A	3		2.0	0.3		--	--	--	--	64
65	--	--	--	--	--		2.0	0.0	1	20 A	--	MONUMENT LIGHTS	--	66
67	--	--	--	--	--	2.0	0.1			1	20 A	MTR	CONDENSATE PUMP	68
69	P-3		MTR	60 A	3		3.7	0.0		1	20 A	--	SPARE	70
71	--	--	--	--	--		3.7	0.0		1	20 A	--	SPARE	72
73	--	--	--	--	--	3.7	0.0			1	20 A	--	SPARE	74
75	P-5		MTR	15 A	1		1.2	0.0		1	20 A	--	SPARE	76
77	FLOORBOX 107		RCPT	20 A	1		0.0	0.0	1	20 A	--	SPARE	--	78
79	FLOORBOX 110		RCPT	20 A	1	0.0	0.0			1	20 A	--	SPARE	80
81	MULTIPURPOSE 110		Other...	20 A	1		0.0	0.0		1	20 A	--	SPARE	82
83	STORAGE 112		Other...	20 A	1		0.4	0.0	1	20 A	--	SPARE	--	84
TOTAL LOAD:					39 kVA					35 kVA				
TOTAL AMPS:					324 A					290 A				
LOAD CLASSIFICATION			CONNECTED			DEMAND			ESTIMATED			PANEL TOTALS		
LTG			7062 VA			125.00%			8828 VA					
MTR			92407 VA			111.01%			102584 VA			CONNECTED LOAD: 108770 VA		
Other			0 VA			0.00%			0 VA			ESTIMATED DEMAND: 120570 VA		
RCPT			9900 VA			100.00%			9900 VA			CONNECTED CURRENT: 302 A		
												EST. DEMAND CURRENT: 335 A		



Cottage Grove Glacial Valley Park Building - CO1 Additional Readers

Prepared by: Keith Kranz

Date: 10/17/23

LVC is pleased to provide this proposal for the systems in the above-referenced project.

**FIRE PROTECTION · FIRE ALARMS & LIFE SAFETY · SECURITY · STRUCTURED CABLING
COMMUNICATION · NATIONAL SERVICES · SERVICE**



SCOPE OF WORK

LVC is pleased to provide this pricing as a Change Order to the project for an additional (8) doors of access control.

CO 1 Additional Doors of Access Control

- F&I (01) Dual voltage power supply enclosure with Mercury backplane for 16 Doors.
- F&I (04) Lenel LNL-1320-S3 Dual reader interface module.
- F&I (08) HID Multi-technology card readers with keypad.
- F&I (08) Nascom door position switches.
- F&I (08) Request to Exit motion sensors.
- Connection to (8) locks furnished and installed by others.
- Lot Access control cable as required.
- Lot Installation, programming, and testing labor.

Electrical contractor to provide all door roughin conduit.

Locking hardware by others

INVESTMENT SUMMARY

This is a change order to the original project. All exclusion and clarifications remain the effect.

Addition to Contract \$22,011.00

CLARIFICATIONS AND EXCLUSIONS

Clarifications:

- LVC will provide a one-year warranty on parts and labor commencing on the date of AHJ or Owner acceptance.
- Any required CAD files are to be provided to LVC Inc. at no additional cost to complete required permit submittals. LVC will provide all design submittal documents and plans upon receiving CAD files by others at no additional cost to LVC.
- All programming and panel terminations are to be done by LVC Companies.
- All cabling will be installed to industry standards and with proper support.
- All cabling pathways are assumed to be available for use without additional conduits, fire sleeves, core holes, or other means to run cabling.
- Cabling will be plenum where required.

Exclusions:

- All electrical, including but not limited to 120VAC connections, rough-in conduits and boxes, other conduit, raceways, penetrations, cable trays, POE entry sleeves, floor X-rays, surface raceways for low voltage cable pathways, telephone grounding bus bars, plywood phone bars, and power poles, are to be supplied by electrician or others.
- LVC Companies is not responsible for any repairs of sheetrock, ceiling tile, tile grid, or any superficial material, including paint, wall covering, paneling wood, steel studs, access hatches, or any non-supporting structure material related to completing the installation of the system.
- Any system software or licenses outside of Scope of Work are the Customer's responsibility.

GENERAL TERMS AND CONDITIONS

- Pricing is generally valid for 30 days from the date of this proposal. However, due to the consistent unplanned supply chain challenges, LVC reserves the right to charge additional fees and/or change orders associated with unknown and unplanned tariffs, additional shipping charges, and/or material cost increases at any time before the project start or during the project regardless of initially agreed contract price. LVC will supply data and information for these changes as necessary.
- LVC will require sufficient lead-time (in general, a minimum of 2-weeks) to order parts, schedule, and complete the submittal and permitting process. Project kickoff is dependent on LVC's ability to secure materials on time. Factors outside LVC's control may necessitate timeline changes, such as material or shipping delays.
- Work is to be completed during normal business hours of 7:00 a.m. – 3:30 p.m. Overtime premiums are not included in this proposal. However, during the project and as timelines dictate, LVC Companies may elect to schedule their work in such a way to meet deadlines.
- Any delays experienced due to restricted access and areas not being ready for vendor (moving items, waiting for people to move, etc.) may be subject to added costs.
- Others shall provide LVC Companies a secure area on site for staging and material storage upon job commencement.
- Any changes by the Customer, or work outside the Scope of Work, will result in additional costs. Additional work will be discussed as soon as identified to keep all parties informed and keep the project on schedule. A change order process will occur and be presented for Customer approval before additional work is completed.
- Parking fees are included in this proposal unless otherwise specified.
- All materials will be billed at the time of procurement.
- Change orders will be billed at the time of acceptance.
- Credit card payments will be charged a fee of 3%.
- Payment terms are net 30 from the invoice date.

PROPOSAL ACCEPTANCE

Thank you for your consideration. We welcome your questions, any further discussion, and proposal acceptance.

Best regards,

Keith Kranz
System Sales
952.367.7047

I have reviewed and accepted this proposal.

Name _____

Title _____

Signature _____

Date _____



City Council Action Request

7.K.

Meeting Date	11/1/2023
Department	Public Safety
Agenda Category	Action Item
Title	Marathon Community Investment Grant Acceptance
Staff Recommendation	Accept and approve the Marathon Community Investment Grant in the amount of \$5,000.00.
Budget Implication	N/A
Attachments	None



TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Pete Koerner

DATE: November 1, 2023

RE: Marathon Community Investment Grant Acceptance

Discussion

The Marathon Community Investment Grants support their charitable mission of being committed to making our communities stronger, safer and thriving places to live, work and play. MPC provides funding for programs that promote the resiliency of our shared communities, including helping to address basic needs, supporting youth development programs, and creating opportunities for economic vitality. This also includes safety projects and efforts that help communities better prepare for, mitigate the risks of and respond to disasters, hazards, and emergencies. Council has approved public safety to apply for grants through the St Paul Park Refinery.

Cottage Grove is a rapidly growing community with areas of residential and commercial construction. Park High School is the designated site for a Reception Center in the event of a radiological emergency at Prairie Island Nuclear Plant. We often have full parking lots at shopping centers, at parks for sporting tournaments, and at special event venues such as Strawberry Fest and our Hometown Holiday Celebration. Large crowds often bring increased risks.

In the 2019 State of Minnesota Threat and Hazard Identification and Risk Assessment (THIRA) process, equipment for on-scene security and protection were identified to have gaps. Our application for monies for portable surveillance and monitoring equipment was intended to decrease this gap and align with the physical protective measures' core capability for soft targets and crowded places by enhancing the security and protection of locations such as parks, restaurants, shopping centers, special event venues, and similar facilities.

Staff worked with Marathon Petroleum and determined the need for these tools would fit the guidelines of their Community Investment Grants. Staff were notified our application for funding was approved in the amount of \$5,000.00.

Recommendation

Accept and approve the Marathon Community Investment Grant in the amount of \$5,000.00.

Attachments

None



City Council Action Request

7.L.

Meeting Date	11/1/2023						
Department	Community Development						
Agenda Category	Action Item						
Title	Boundary Adjustment – 7560 Harkness Avenue & 7675 Hardwood Avenue						
Staff Recommendation	Adopt Resolution 2023-138 approving the boundary adjustment between 7560 Harkness Avenue South and 7675 Hardwood Avenue South.						
Budget Implication	N/A						
Attachments	<table><tr><td>1.</td><td>Hislop and The View Boundary Adjustment CC Memo</td></tr><tr><td>2.</td><td>Hislop and The View Boundary Adjustment Survey</td></tr><tr><td>3.</td><td>Hislop and The View Boundary Adjustment Resolution</td></tr></table>	1.	Hislop and The View Boundary Adjustment CC Memo	2.	Hislop and The View Boundary Adjustment Survey	3.	Hislop and The View Boundary Adjustment Resolution
1.	Hislop and The View Boundary Adjustment CC Memo						
2.	Hislop and The View Boundary Adjustment Survey						
3.	Hislop and The View Boundary Adjustment Resolution						

TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Emily Schmitz, Community Development Director

DATE: October 25, 2023

RE: Boundary Adjustment – 7560 Harkness Avenue & 7675 Hardwood Avenue

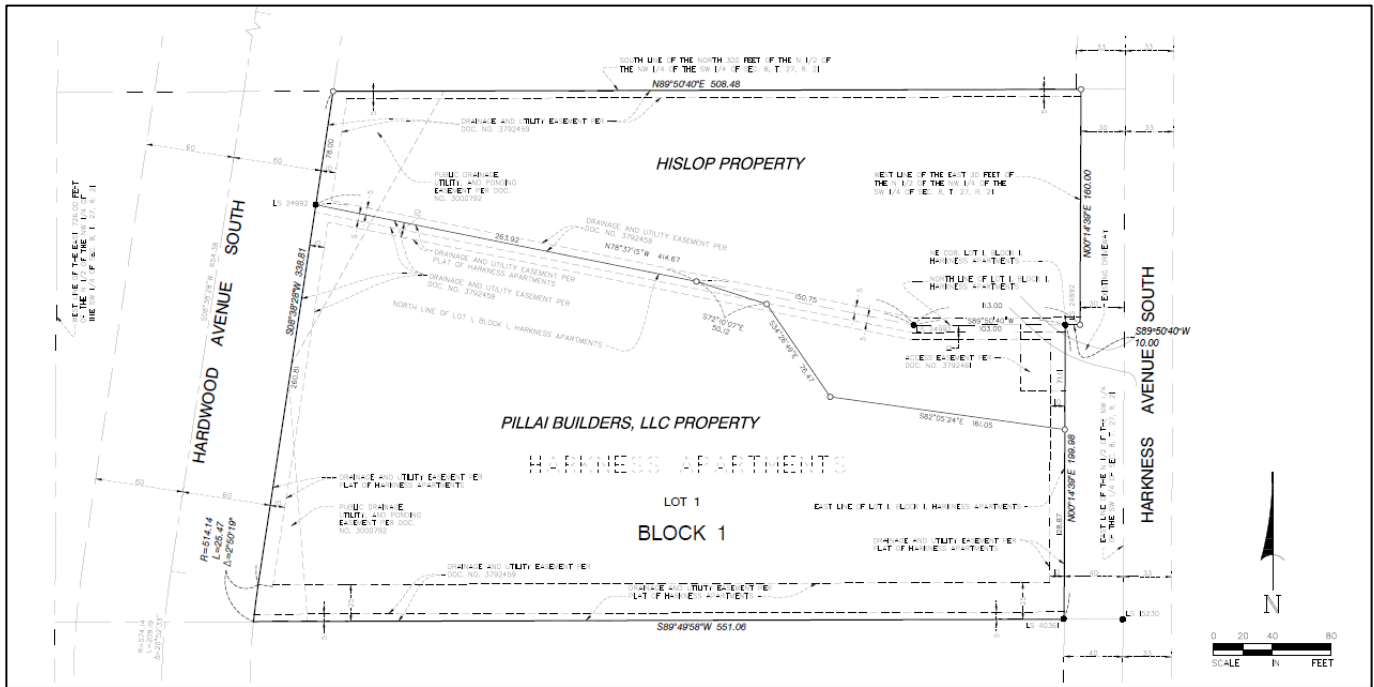
Background/Discussion

The View apartment project was approved in 2021 on property located at 7675 Hardwood Avenue. As part of the review and approval process, the developer worked with the adjacent landowner to the north (Hislop) to provide additional screening and buffering to the residence with a row of coniferous trees along the northern property line. A large number of existing trees were preserved along the north boundary, so a natural buffer was maintained.



At such time a survey was completed and staked on site, it was noted the adjacent property owner (Hislop) had been maintaining a small portion of the adjacent property (The View). The property owner of The View and the Hislop's have been working together to coordinate a boundary adjustment in order for the Hislop's to own the area they have been maintaining.

The Property owners have proposed adjusting their southerly property line as outlined below:

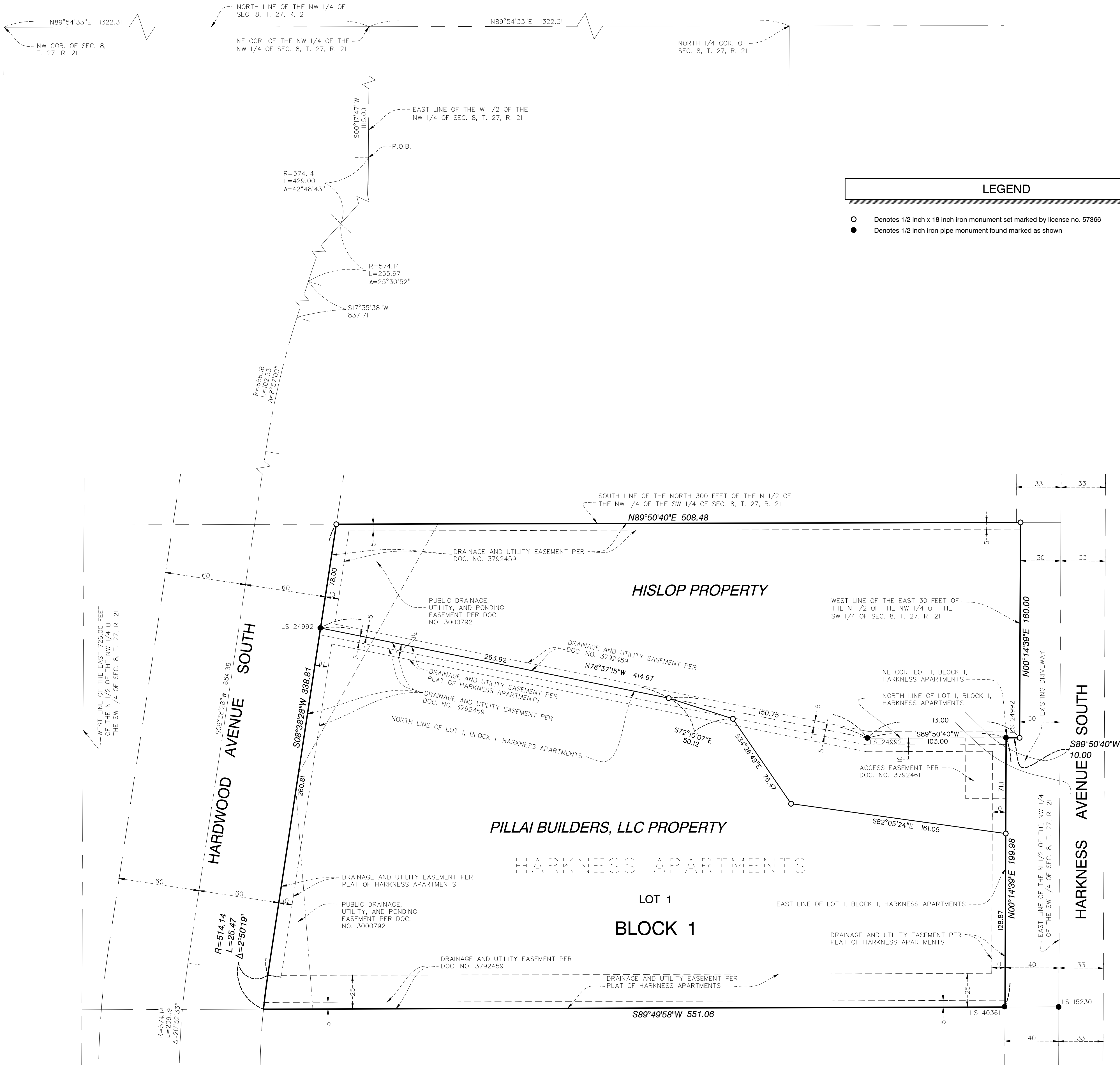


Proposed Survey

Given the area adjacent to The View's northern property line has been preserved with the mature trees, the Hislops and the property owner of The View have agreed the Hislops will plant the evergreen trees that were outlined on The View's landscape plan dated October 16, 2023. With that being said, the 38 trees as noted on the landscape plan would not practically fit within the wooded area; therefore, the Hislop's will consult with a licensed arborist within 12 months to find feasible locations for the additional trees on their property where appropriate. It is understood 38 total trees may not fit and survive; therefore, the City acknowledges the Hislop's will plant only the appropriate number of trees as indicated by an arborist.

Recommendation

It is recommended that the City Council adopt the resolution approving the boundary adjustment between 7560 Harkness Avenue South and 7675 Hardwood Avenue South.



LEGEND

- Denotes 1/2 inch x 18 inch iron monument set marked by license no. 57366
- Denotes 1/2 inch iron pipe monument found marked as shown

EXISTING HISLOP LEGAL DESCRIPTION

That part of the following described property: the East 726.00 feet of the North Half of the Northwest Quarter of the Southwest Quarter of Section 8, Township 27, Range 21, Washington County, Minnesota, EXCEPT the East 30.00 feet thereof; and ALSO EXCEPT the North 300.00 feet thereof; and ALSO EXCEPT that part which lies westerly of a line parallel with and 60 feet to the left of the following described line: Commencing at the Northeast Corner of the Northwest Quarter of the Northwest Quarter of Section 8; thence on an assumed bearing of South 00 degrees 17 minutes 47 seconds West along the east line of the West Half of the Northwest Quarter of said Section 8 a distance of 1115.00 feet to the point of beginning of the line to be described; thence southwesterly 429.00 feet along a tangential curve concave to the northwest having a central angle of 42 degrees 48 minutes 43 seconds and a radius of 574.14 feet; thence southwesterly 255.67 feet along a reverse curve having a central angle of 25 degrees 30 minutes 52 seconds and a radius of 574.14 feet; thence South 17 degrees 35 minutes 38 seconds West tangent to said reverse curve a distance of 837.71 feet; thence southwesterly 102.53 feet along a tangential curve concave to the southeast having a central angle of 08 degrees 57 minutes 09 seconds and a radius of 656.16 feet; thence South 08 degrees 38 minutes 28 seconds West tangent to last described curve a distance of 654.38 feet; thence southerly 209.19 feet along a tangential curve concave to the east having a central angle of 20 degrees 52 minutes 33 seconds and a radius of 574.14 feet and said line there terminating, which lies northerly of the following described line: Beginning at a point on the west line of said East 30.00 feet distant 160.00 feet south of the north line of the above described property; thence South 89 degrees 50 minutes 40 seconds West parallel with said north line, 113.00 feet; thence North 78 degrees 37 minutes 15 seconds West 415 feet more or less to the west line of the above described property and there terminating, TOGETHER WITH easement per Document No. 3792461.

EXISTING PILLAI LEGAL DESCRIPTION

Lot 1, Block 1, HARKNESS APARTMENTS, according to the recorded plat thereof, Washington County, Minnesota.

PROPOSED HISLOP LEGAL DESCRIPTION

That part of the following described property: the East 726.00 feet of the North Half of the Northwest Quarter of the Southwest Quarter of Section 8, Township 27, Range 21, Washington County, Minnesota, EXCEPT the East 30.00 feet thereof; and ALSO EXCEPT the North 300.00 feet thereof; and ALSO EXCEPT that part which lies westerly of a line parallel with and 60 feet to the left of the following described line: Commencing at the Northeast Corner of the Northwest Quarter of the Northwest Quarter of Section 8; thence on an assumed bearing of South 00 degrees 17 minutes 47 seconds West along the east line of the West Half of the Northwest Quarter of said Section 8 a distance of 1115.00 feet to the point of beginning of the line to be described; thence southwesterly 429.00 feet along a tangential curve concave to the northwest having a central angle of 42 degrees 48 minutes 43 seconds and a radius of 574.14 feet; thence southwesterly 255.67 feet along a reverse curve having a central angle of 25 degrees 30 minutes 52 seconds and a radius of 574.14 feet; thence South 17 degrees 35 minutes 38 seconds West tangent to said reverse curve a distance of 837.71 feet; thence southwesterly 102.53 feet along a tangential curve concave to the southeast having a central angle of 08 degrees 57 minutes 09 seconds and a radius of 656.16 feet; thence South 08 degrees 38 minutes 28 seconds West tangent to last described curve a distance of 654.38 feet; thence southerly 209.19 feet along a tangential curve concave to the east having a central angle of 20 degrees 52 minutes 33 seconds and a radius of 574.14 feet and said line there terminating, which lies northerly of the following described line: Beginning at a point on the west line of said East 30.00 feet distant 160.00 feet south of the north line of the above described property; thence South 89 degrees 50 minutes 40 seconds West parallel with said north line, 113.00 feet; thence North 78 degrees 37 minutes 15 seconds West 415 feet more or less to the west line of the above described property and there terminating.

TOGETHER WITH that part of Lot 1, Block 1, HARKNESS APARTMENTS, according to the recorded plat thereof, Washington County, Minnesota, described as follows: Beginning at the northeast corner of said Lot 1; thence South 89 degrees 50 minutes 40 seconds West, along the north line of said Lot 1, a distance of 103.00 feet; thence North 78 degrees 37 minutes 15 seconds West, continuing along said north line of Lot 1, a distance of 150.75 feet; thence South 72 degrees 10 minutes 07 seconds East 50.12 feet; thence South 34 degrees 26 minutes 49 seconds East 76.47 feet; thence South 82 degrees 05 minutes 24 seconds East 161.05 feet to the east line of said Lot 1; thence North 00 degrees 14 minutes 39 seconds East, along said east line of Lot 1, a distance of 71.11 feet to the point of beginning.

PROPOSED PILLAI LEGAL DESCRIPTION

Lot 1, Block 1, HARKNESS APARTMENTS, according to the recorded plat thereof, Washington County, Minnesota.

EXCEPT that part of said Lot 1 described as follows: Beginning at the northeast corner of said Lot 1; thence South 89 degrees 50 minutes 40 seconds West, assumed bearing along the north line of said Lot 1, a distance of 103.00 feet; thence North 78 degrees 37 minutes 15 seconds West, continuing along said north line of Lot 1, a distance of 150.75 feet; thence South 72 degrees 10 minutes 07 seconds East 50.12 feet; thence South 34 degrees 26 minutes 49 seconds East 76.47 feet; thence South 82 degrees 05 minutes 24 seconds East 161.05 feet to the east line of said Lot 1; thence North 00 degrees 14 minutes 39 seconds East, along said east line of Lot 1, a distance of 71.11 feet to the point of beginning.

NOTES

- The orientation of this bearing system is based on the Washington County Coordinate System NAD 83 (1986 adjustment).
- All distances are in feet.
- Parcels areas are as follows:
 - Existing Hislop area: 65,870 sq. ft.; 1.51 acres
 - Existing Pillai area: 124,787 sq. ft.; 2.86 acres
 - Proposed Hislop area: 77,311 sq. ft.; 1.77 acres
 - Proposed Pillai area: 113,326 sq. ft.; 2.60 acres



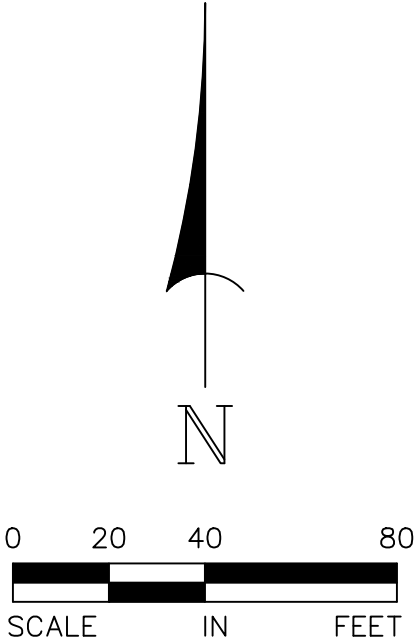
733 Marquette Ave, Ste 700
Minneapolis, MN 55402
612.758.3080 MAIN
612.758.3099 FAX
www.alliant-inc.com

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the state of Minnesota.

DANIEL EKREM
Print Name
Signature
October 20, 2023
Date
57366
License Number

HISLOP-PILLAI
LOT LINE ADJUSTMENT
CERTIFICATE OF SURVEY
7560 HARKNESS AVE. S. & 7675 HARDWOOD
AVE. S., COTTAGE GROVE, MINNESOTA

DRAWN BY DPE
CHECKED BY DPE
DATE ISSUED 10/20/23
SCALE 1"=40'
JOB NO. 4000007
FIELD KJ



CITY OF COTTAGE GROVE, MINNESOTA
CITY COUNCIL
RESOLUTION 2023-138

**A RESOLUTION APPROVING A BOUNDARY ADJUSTMENT BETWEEN
TWO PARCELS LOCATED AT 7560 HARKNESS AVENUE SOUTH AND
7675 HARDWOOD AVENUE SOUTH**

WHEREAS, Matthew and Katie Hislop and Pillai Builder's LLC desire to adjust the common lot line between their property at 7560 Harkness Avenue South and the property to their south, 7675 Hardwood Avenue South, owner by Pillai Builders, LLC; and

WHEREAS, Matthew and Katie Hislop have arranged for the boundary adjustment outlined on the survey dated 10/20/2023 by Alliant Engineering; and

WHEREAS, the properties are part of real property in Washington County, Minnesota, legally described as follows:

Matthew and Katie Hislop's Property:

That part of the following described property: the East 726.00 feet of the North Half of the Northwest Quarter of the Southwest Quarter of Section 8, Township 27, Range 21, Washington County, Minnesota, EXCEPT the East 30.00 feet thereof; and ALSO EXCEPT the North 300.00 feet thereof; and ALSO EXCEPT that part which lies westerly of a line parallel with and 60 feet to the left of the following described line: Commencing at the Northeast Corner of the Northwest Quarter of the Northwest Quarter of Section 8; thence on an assumed bearing of South 00 degrees 17 minutes 47 seconds West along the east line of the West Half of the Northwest Quarter of said Section 8 a distance of 1115.00 feet to the point of beginning of the line to be described; thence southwesterly 429.00 feet along a tangential curve concave to the northwest having a central angle of 42 degrees 48 minutes 43 seconds and a radius of 574.14 feet; thence southwesterly 255.67 feet along a reverse curve having a central angle of 25 degrees 30 minutes 52 seconds and a radius of 574.14 feet; thence South 17 degrees 35 minutes 38 seconds West tangent to said reverse curve a distance of 837.71 feet; thence southwesterly 102.53 feet along a tangential curve concave to the southeast having a central angle of 08 degrees 57 minutes 09 seconds and a radius of 656.16 feet; thence South 08 degrees 38 minutes 28 seconds West tangent to last described curve a distance of 654.38 feet; thence southerly 209.19 feet along a tangential curve concave to the east having a central angle of 20 degrees 52 minutes 33 seconds and a radius of 574.14 feet and said line there terminating. which lies northerly of the following described line:

Beginning at a point on the west line of said East 30.00 feet distant 160.00 feet south of the north line of the above described property; thence South 89 degrees 50 minutes 40 seconds West parallel with said north line, 113.00 feet; thence North 78 degrees 37 minutes 15 seconds West 415 feet more or less to the west line of the above described property and there terminating. TOGETHER WITH easement per Document No. 3792461.

Commonly known as 7560 Harkness Avenue South, Cottage Grove, Washington County, State of Minnesota.

Pillai Builders Property (The View):

Lot 1, Block 1, HARKNESS APARTMENTS, according to the recorded plat thereof, Washington County, Minnesota.

Commonly known as 7675 Hardwood Avenue South, Cottage Grove, Washington County, State of Minnesota.

NOW, THEREFORE BE IT RESOLVED, the City Council of the City of Cottage Grove, Washington County, Minnesota, hereby approves the boundary adjustment between 7560 Harkness Avenue South, owned by Matthew and Katie Hislop, and 7675 Hardwood Avenue South, owned by Pillai Builders, LLC, legally described above, subject to the following conditions:

1. City staff is authorized to execute or take any other actions necessary to implement the lot line adjustment.
2. Once recorded, both parcels will reflect the new lot boundaries. The sliver parcel being added to 7560 Harkness Avenue South is not a separate outlot.
3. Pillai's approved landscape plan will be re-approved as modified to exclude the 38 trees. Pillai has no further obligation as related to those 38 trees; however, the remaining landscape plan is in effect as previously approved.
4. The property owners of 7560 Harkness Avenue South shall plant additional trees on their property as outlined on The View landscape plan dated 10/16/2023 or as advised by a licensed arborist. The Hislops will work with City staff to define the specifics of a tree replacement/re-planting plan that provides screening and survivability.
5. Upon City Council approval, the modified Pillai landscape plan and new Hislop/City re-planting plan become effective upon the successful lot line adjustment closing and recording at Washinton County.
6. Trees shall be planted by the Hislops within 12 months of recording of deeds for the boundary adjustment.

Passed this 1st day of November, 2023

Myron Bailey, Mayor

Attest:

Tamara Anderson, City Clerk



City Council Action Request

7.M.

Meeting Date	11/1/2023		
Department	Public Works		
Agenda Category	Action Item		
Title	Washington County CIP 2024-2028 Response Letter		
Staff Recommendation	Receive the Washington County Draft 2024-2028 Capital Improvements Plan response letter.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Washington County CIP 2024-2028 Response Letter</td></tr></table>	1.	Washington County CIP 2024-2028 Response Letter
1.	Washington County CIP 2024-2028 Response Letter		

November 1, 2023

Mr. Wayne Sandberg, P.E., Public Works Director/County Engineer
Washington County Department of Transportation and Physical Development
11660 Myeron Road North
Stillwater, MN 55082-9573

Re: Draft Washington County 2024-2028 CIP

Dear Mr. Sandberg:

The partnership between the city and county is crucial for providing a great place for residents to live and businesses to thrive. Over the years, the City of Cottage Grove has appreciated the continued collaboration and relationship between our staffs as we strive to reach similar goals with our planning efforts and project execution for our community. The City of Cottage Grove especially appreciates this opportunity each year to review the County's priorities for the next 5 years as shown in the draft 2024-2028 Capital Improvement Plan (CIP) and provide comments on how those priorities may align with those of the City of Cottage Grove.

One of the key priorities for the Cottage Grove community as it relates to projects across the county is the continued attention to the Park Grove Library. This library, originally built around 1983, continues to be an amenity that our community would love to see grow with us. With the additional apartment building construction, proximity to schools, addition of coffee shops in the area, there would be great benefit in upgrading the library to take full advantage of the needs of the surrounding community. With the previous community engagement process having been completed in 2018, the City of Cottage Grove would strongly encourage engaging the community again in 2024 with a thorough community engagement process. The needs of this community have changed since the COVID pandemic in 2020 and staff believes that a community engagement process is important to understand what upgrades could help garner more interest and patrons at the library, such as gathering spaces.

The City's specific comments on the CIP are as follows:

Park Projects

- **Cottage Grove Ravine Regional Park Lighted Trails (PARK-4006)**

The City of Cottage Grove encourages continued investment into this park to expand its recreational options, through additions like the lighted trails and possible future consideration of winter multi-use trails. We are encouraged to see the positive impacts of the recent investments into facilities and programming. With the growth of Cottage Grove and the surrounding communities, we see this public space as a premier asset to the region. Considerations such as expanding picnic areas, expanding play structures, and finding unique recreational activity options will improve appreciation and use of the park for many generations. Cottage Grove highly recommends the addition of a handful of primitive campsites in the park to fulfill a nature-based

outdoor recreation service need in the community because no public or private camping options currently exist in Cottage Grove.

- Grey Cloud Island Regional Park Master Plan
Cottage Grove believes an updated Master Plan with approval from all stakeholders is critical before any physical investment is made. To that end, the City of Cottage Grove is requesting that Washington County complete a full revision of the 1994 Grey Cloud Island Regional Park Master Plan. As Cottage Grove looks to develop a large community park on the former Mississippi Dunes Golf Course property, this will help to ensure City and County efforts to improve regional recreational opportunities in this area complement each other and inefficiencies of service are avoided.
- Central Greenway Regional Trail Master Plan
The City strongly supports the County's Central Greenway Regional Trail Master Plan's goal to connect the Cottage Grove Ravine Regional Park with Lake Elmo Park Reserve via a regional trail along CSAH 19. As this area of Cottage Grove is being rapidly developed, the City would like to see cooperation on constructing the listed alternate routes in synchronization with development. Doing so could result in earlier achievement of the regional park connection end goal while awaiting the final route along CSAH 19. Solidifying these connections now will ensure they will be cohesive with development in the area and give residents and visitors access to this unique recreational experience as soon as possible.
- Park and Trail Long-Range Planning (Park-1001)
The City of Cottage Grove would like to see funding towards a cooperative effort between the City, County and State to begin master planning a trail route that connects Point Douglas Park (via the Point Douglas Trail) to Cottage Grove Ravine Regional Park. We see that missing link in the regional trail system as the next great opportunity for Washington County to expose residents and visitors to our rivers, park spaces, greenways and the historic Highway 61 corridor.

Road and Bridge Projects

- CSAH 19 – CSAH 22 to Dale Road Preliminary Design (RB-2658)
Cottage Grove supports this preliminary design effort from Dale Road to CSAH 22. With ongoing development along both sides of CSAH 19, in both Cottage Grove and Woodbury, this preliminary design effort will be critical to meet the demands of growing traffic along in the area.
- CSAH 19 & 80th Street Intersection (RB-2667)
Included in the CIP in 2024 is \$550,000 for planning and design, and in 2025, \$200,000 for right-of-way acquisition for intersection improvements at CSAH 19 and 80th Street. \$3,600,000 in funding is shown in 2026 for construction of these improvements. Currently this is the only remaining all-way stop controlled intersection on CSAH 19 from Highway 61/10 to Interstate 494. Considering the continued residential and associated traffic growth in this area, Cottage Grove is strongly supportive of this planning effort. The City would request the County's ongoing collaboration on the anticipated intersection improvement and is supportive of future grant applications to secure funding for the project.

- CSAH 13 – CSAH 20 to Hargis Parkway (RB-2672)
Cottage Grove understands the County plans to work through project development in 2024 and 2025, with construction anticipated for 2027. Our team strongly supports the public engagement process the County has developed thus far and would greatly appreciate continuing to be involved in discussions as design of the improvements along the County Highway 13 (Radio Drive) corridor are determined.
- CR 74 – County 38 to Geneva Avenue (RB-2675)
Cottage Groves supports the proposed study and repairs to the ravine located along CR 74 in the City of Newport. This is a much-needed improvement, located just outside of the Cottage Grove city limits. Through the recent Hawthorne Development, Cottage Grove worked with the developer to greatly reduce runoff rates to this ravine compared to the undeveloped condition.
- CR 19A & 100th Street Realignment (RB-2685)
Cottage Grove continues to strongly support the implementation of the first phase of the SW Arterial Project, through the realignment of CR 19A & 100th Street. With ongoing, and significant, increases in both industrial and residential development in this area of the City, this infrastructure project is critical to support the increasing traffic and to relieve pressure at the Jamaica Avenue interchange with Highway 61. Obtaining grant funding for this project is necessary for its success, which Cottage Grove continues to aggressively pursue. Current pending applications include \$25 million through the Rural Surface Transportation Grant program, \$5 million through the Minnesota Highway Freight Grant program, and \$3 million through Congressionally Directed Spending. Also, a \$12.5 million bonding request is being worked on in partnership with the County as part of the 2024 State legislative session. If the Congressionally Directed Spending requested is successful, this funding should be utilized to advance the right-of-way acquisition process and final design. Cottage Grove appreciates the ongoing collaboration on this project to ensure transportation needs are addressed both now and into the future.
- CSAH 20 & Pioneer Drive Planning Study (RB-2686)
In the coming years, the area around Jamaica Avenue (CSAH 20) from 70th Street (CSAH 22) to Military Road is anticipated to be fully developed. Also, Woodbury has continued to develop toward Cottage Grove, which will include the extension of Pioneer Drive down to Military Road. From a planning perspective, the City has been working with adjacent property owners and developers to obtain right-of-way to allow for the realignment of Jamaica Avenue and the construction of future intersection improvement project at the intersection of Jamaica Avenue/Military Road/Pioneer Drive. Although the City of Cottage Grove does not have a city street connecting into this future intersection, we support this study and would appreciate continuing to be involved in the discussions surrounding the study and proposed improvements.
- CSAH 19 – Dale Road to US Trunk Highway 61 (RB-2687)
As mentioned in RB-2658, Cottage Grove appreciates including of this new planning study of CSAH 19 from US Trunk Highway 61 to CSAH 22 and is supportive of the effort. With the continued development interest along this corridor within Cottage Grove, staff would strongly support this study. Potential development interest has ranged from single family homes to multi-use, to large cornerstone developments with the vision of creating a destination near the CSAH 19/Hwy 61 interchange. The development of this study will position the County and City of

Cottage Grove well for the additional development by proactively planning for the future needs of this major corridor.

- CSAH 20 – CSAH 22 – Military Road (RB-2691)
As mentioned in RB-2686, Cottage Grove anticipates the area around Jamaica Avenue (CSAH 20) from 70th Street (CSAH 22) to Military Road to be fully developed in the coming years. The planning and design scheduled for 2025-2027 of this corridor is supported by the City to ensure both vehicles and pedestrians are able to move through this area efficiently and safely. Waiting to complete the study until such time that the area is fully developed provides an opportunity to better understand traffic patterns and the needs of the area. The City also anticipates the missing segments of Ravine Parkway between Hinton Avenue and Jamaica Avenue to be constructed by 2027, which would filter additional traffic through the Ravine Parkway/Jamaica Avenue intersection and could then be modeled with the planning and design.
- CSAH 22 Access Management – Hinton Avenue to Jamaica Avenue
While Cottage Grove understands that there are higher priority transportation projects in the City, including CR 19A/100th Street extension and CSAH 19 improvements, staff looks forward to continued discussions on access management along CSAH 22 from Hinton Avenue to Jamaica Avenue. While access management is addressed in the executed agreement between the County and City, formalizing a plan to accomplish this as traffic continues to grow will be necessary.

Thank you for the opportunity to comment on the Washington County Draft 2024-2028 CIP. Through the continued coordination and cooperation between Washington County and its cities, we believe as a whole we have been able to provide exceptional amenities, pedestrian facilities, and public infrastructure to increase our level of service, improve the livability of our community, and promote business growth and expansion. Successful projects are hinged on partnerships, and Cottage Grove has appreciated the partnership that has been developed with Washington County. The County 19A & 100th Street Realignment project is a great example of this partnership. The ongoing collaboration and coordination between the City and County will be critical as we work to deliver this key infrastructure project. We look forward to continuing the collaboration with Washington County to meet the capital needs in our community.

Sincerely,



Jennifer Levitt
City Administrator

CC: Washington County Commissioners
Cottage Grove City Council Members
Kevin Corbid, Washington County Administrator



City Council Action Request

8.A.

Meeting Date	11/1/2023
Department	Finance
Agenda Category	Action Item
Title	Approve Disbursements
Staff Recommendation	Approve disbursements in the amount of \$3,336,943.87
Budget Implication	N/A
Attachments	None



City Council Action Request

13.A.

Meeting Date	11/1/2023		
Department	Administration		
Agenda Category	Action Item		
Title	Fire Chief Candidate Interviews - St. Croix Room		
Staff Recommendation	Conduct the Fire Chief Candidate Interviews - This Agenda item will be conducted in the St. Croix Room.		
Budget Implication	N/A		
Attachments	<table border="1"><tr><td>1.</td><td>Memo - Deputy Director of Public Safety Fire Chief Interviews</td></tr></table>	1.	Memo - Deputy Director of Public Safety Fire Chief Interviews
1.	Memo - Deputy Director of Public Safety Fire Chief Interviews		



To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Peter Koerner, Director of Public Safety

Date: October 27, 2023

Subject: **DEPUTY DIRECTOR OF PUBLIC SAFETY/FIRE CHIEF INTERVIEWS**

Due to the upcoming retirement of Deputy Director of Public Safety/Fire Chief Rick Redenius, the department of Public Safety is in the final process of hiring the replacing the position. We posted the position and included a recruitment brochure. After review of the candidates applications, we narrowed the candidates to four qualified positions. We conducted interviews on October 19, 2023. The interviews were conducted by two panels.

Panel A:
Gwen Martin, Deputy Director/Emergency Management
Gary Orloff, Streets Superintendent (former fire fighter)
Brenda Malinowski, Finance Director

Panel B:
Peter Koerner, Director of Public Safety
Emily Schmitz, Community Development Director
Joe Fischbach, Human Resources
John Wright, SPP Refinery Fire Chief/St Paul Park Fire Captain

We identified the top two candidates as Jon Pritchard (Cottage Grove Fire/EMS Deputy Chief) Corey Larson (Cloquet Area Fire District Assistant Chief) and recommended they move forward in the process.

The top two candidates were selected to undergo a full battery of tests administered by Martin-McAllister Consulting Psychologists office scheduled for October 27, 2023. The testing measures both candidate's intelligence, leadership, management style, social skills, basic personality traits and communications skills.

I will be speaking with Psychologist Norma DiLorenzo for a verbal report on Monday, October 30, 2023, and written assessment summaries will be provided to staff on Tuesday October 31, 2023. Prior to interviews, you will receive these evaluation reports along with your submitted applications and resumes.

On November 1, 2023 from 6:00 pm to 7:00 pm, we are hosting a meet and greet event at the Central Fire Station for an opportunity for the community and staff to talk to the two candidates and provide feedback to the City Council.

The Deputy Director of Public Safety/Fire interviews will be conducted at the November 1, 2023, regular City Council meeting.

RECOMMENDATION

Conduct interviews of the two Deputy Director of Public Safety/Fire Chief candidates.