



Allegan County Board of Commissioners

Allegan County Board of Commissioners



County Services Building
3283 – 122nd Avenue
Allegan, MI 49010
269-673-0203 Main Office
269-686-5331 Main Fax
<http://www.allegancounty.org>

Jim Storey, Chairperson
Gale Dugan, Vice Chairperson

BOARD OF COMMISSIONERS MEETING – AGENDA

Thursday, June 25, 2020 – 1PM

Virtual Meeting – Connectivity Instructions **Attached**

DISTRICT 1
Dean Kapenga
616-218-2599
dkapenga@
allegancounty.org

1PM

CALL TO ORDER:

ROLL CALL:

OPENING PRAYER: Commissioner Gale Dugan

PLEDGE OF ALLEGIANCE:

COMMUNICATIONS: Attached

APPROVAL OF MINUTES: Attached

June 11, 2020

PUBLIC PARTICIPATION:

ADDITIONAL AGENDA ITEMS:

APPROVAL OF AGENDA:

PRESENTATIONS:

PROCLAMATIONS:

INFORMATIONAL SESSION:

Judge Buck—Probate Court

ADMINISTRATIVE REPORTS:

DISTRICT 2
Jim Storey
616-848-9767
jstorey@
allegancounty.org

DISTRICT 3
Max R. Thiele
269-673-4514
mthiele@
allegancounty.org

DISTRICT 4
Mark DeYoung
616-318-9612
mdyoung@
allegancounty.org

CONSENT ITEMS:

1. Motion to approve of claims paid and to incorporate into proceedings of the Board (6/19/20 & 6/26/20)

DISTRICT 5
Tom Jessup
269-637-3374
tjessup@
allegancounty.org

ACTION ITEMS:

1. None

DISTRICT 6
Gale Dugan
269-694-5276
gdugan@
allegancounty.org

DISCUSSION ITEMS:

1. Facilities Management—Courthouse Planning/Release Request for Proposal (192-205)
2. Facilities Management—award Pump House Reconstruction Bid (192-211)
3. Animal Shelter—Budget Adjustment/Kennel Replacement Project (192-438)

DISTRICT 7
Rick Cain
269-744-7918
rcain@
allegancounty.org

NOTICE OF APPOINTMENTS & ELECTIONS:

APPOINTMENTS:

1. Brownfield Redevelopment Authority
 - One Representative—term expired 12/31/19

Mission Statement

“The Allegan County Board of Commissioners shall plan, develop, and evaluate the necessary policies and resources to ensure our county continues to progress and prosper”

2. Parks Advisory Board
 - One Representative—term expired 12/31/19
3. Local Emergency Planning Committee
 - Public Representative— term expired 12/31/19
4. Solid Waste Planning Committee
 - Two Solid Waste Industry Representative—term expired 12/31/19
 - One Township Representative—term expired 12/31/19
 - One General Public Representative—term expired 12/31/19
 - One City Gov. Representative—term expires 12/31/20
5. Tourist Council
 - One Representative—term expired 12/31/20
6. 911 Policy & Procedure Board:
 - Township Representative—term expires 7/31/20
 - Medical Control Representative—term expires 7/31/20 Application REC 6/19/20

ELECTIONS:

1. Economic Development Commission
 - Downtown Representative—term expired 12/31/19
2. Commission on Aging:
 - One Member At Large—term expires 12/31/21

PUBLIC PARTICIPATION:

FUTURE AGENDA ITEMS:

REQUEST FOR PER DIEM/MILEAGE:

BOARDS AND COMMISSIONS REPORTS:

ROUND TABLE:

ADJOURNMENT: Next Meeting - Thursday, July 9, 2020, 1:00PM @ **BOARD ROOM – COUNTY SERVICES BUILDING, COUNTY SERVICES COMPLEX.**



Allegan County Board of Commissioners

Meeting
June 25, 2020 @ 1:00p

Connecting via Zoom Webinar



Allegan County
3283 122nd Ave
Allegan, MI 49010

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STEP 1: Connect to the Zoom Site

- OPTION 1: Telephone

- Call (929) 205-6099 -or- (312) 626-6799 -or- (253) 215-8782
- Type in Meeting ID: 872-8572-2301, then #, then # again
- Type in Meeting Password: 62520, then #

- To raise your hand to speak, press *9
- To Mute and Unmute, press *6

<STOP here>

You do not have to continue reading the rest of the instructions.

- OR -

- OPTION 2: Web browser

- Open Internet Explorer or Chrome
 - Navigate to <https://zoom.us/j/87285722301>
 - Meeting Password: 62520
- <Continue with the rest of the instructions>

STEP 2: Enter registration information

Webinar Registration - Zoom

zoom.us/webinar/register/WN_YneHxuk_SjqfnMwchbtJEg

Webinar Registration

Topic BOC Meeting - 4/9/2020

Time Apr 9, 2020 01:00 PM in [Eastern Time \(US and Canada\)](#)

* Required information

First Name *

Last Name *

Email Address *

Confirm Email Address *

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Investors

1. Enter name and email

2. Click this box

3. Answer challenge question

4. Click when done.

STEP 3: This Window will appear when connected.



STEP 4: Adjust audio settings (if needed)

1

2

Settings

General

Video

Audio

Share Screen

Virtual Background

Recording

Statistics

Feedback

Keyboard Shortcuts

Accessibility

Speaker

Test Speaker Remote Audio

Output Level:

Volume:

Microphone

Test Mic

Input Level:

Volume:

☒ Automatically adjust volume

☐ Use separate audio device to play ringtone simultaneously

☐ Automatically join audio by computer when joining a meeting

☐ Mute my microphone when joining a meeting

☒ Press and hold SPACE key to temporarily unmute yourself

☒ Sync buttons on headset

Advanced

Select a Speaker

✓ Remote Audio

Same as System

Test Speaker & Microphone...

Leave Computer Audio

Audio Settings...

Audio Settings ^

Chat Raise Hand Q&A

Economic Development — Greg King, Director

ADMINISTRATIVE REPORTS:

CONSENT ITEMS:

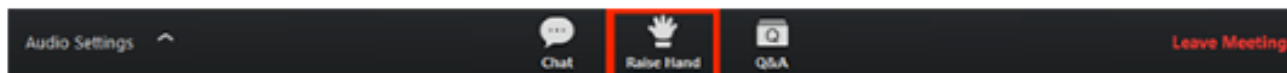
1. Motion to approve of claims paid and to incorporate into proceedings of the Board (3/20/20 & 3/27/20)

STEP 5: Raise hand to be recognized to speak.

- Once “Raise Hand” is clicked, the Board Chairperson will receive notice and may UNMUTE your microphone when ready and verbally recognize you to speak.

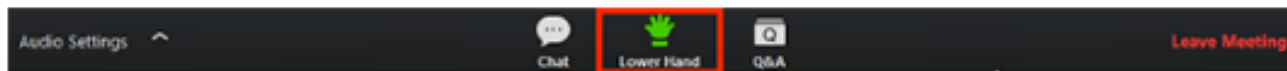
On bottom of screen.

1. Click **Raise Hand** in the Webinar Controls.



2. The host will be notified that you've raised your hand.

3. Click **Lower Hand** to lower it if needed.



STEP 6: To leave the meeting

The screenshot displays a Zoom meeting window. At the top, a green banner reads "You are viewing Allegan County Administration's screen" with a "View Options" dropdown. Below this, a document titled "BOC20200409_agenda [Compatibility Mode] - Word" is shown. The document header includes the "Allegan County Board of Commissioners" logo and contact information for County Services Building, 3283 - 122nd Avenue, Allegan, MI 49010. The agenda items are listed under the heading "BOARD OF COMMISSIONERS MEETING - AGENDA". A large blue arrow points to the "Leave Meeting" button in the bottom right corner of the Zoom interface.

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BOARD OF COMMISSIONERS MEETING - AGENDA

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616-218-2599
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616-848-9767
jstorey@allegancounty.org

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DISTRICT 4
Mark DeYoung

Virtual Meeting - Connectivity Instructions **Attached**

1PM

CALL TO ORDER:
ROLL CALL:
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PRESENTATIONS:
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INFORMATIONAL SESSION: Attached
ADMINISTRATIVE REPORTS:

CONSENT ITEMS:

PAGE 1 OF 2 251 WORDS

Audio Settings ^

Chat Raise Hand Q&A

Leave Meeting

Introduced by the:

INGHAM COUNTY BOARD OF COMMISSIONERS

**RESOLUTION TO DECLARE RACISM AS A PUBLIC HEALTH CRISIS
IN THE COUNTY OF INGHAM**

RESOLUTION #20 – 254

WHEREAS, race is a social construction with no biologic basis; and

WHEREAS, racism is a social system with multiple dimensions, including individual racism, which is internalized or interpersonal; and

WHEREAS, systemic racism, which is institutional or structural, is a system of structuring opportunity and assigning value based on the social interpretation of how one looks; and

WHEREAS, systemic racism unfairly disadvantages some individuals and communities, unfairly advantages other individuals and communities, and depletes the strength of the whole society through the waste of human resources; and

WHEREAS, racism is rooted in the foundation of America. From the time chattel slavery began in the 1600s, to the Jim Crow era, declaration of the war on drugs that eventually led to the mass incarceration of Black people, racism has remained a presence in American society while subjecting Black people to hardships and disadvantages in every aspect of life; and

WHEREAS, racism, including unconscious and conscious bias, causes persistent racial discrimination in Criminal Justice, Social Capital, Voter Suppression, Education, Transportation, Employment, Food Access, Mental Health and Health Behaviors, Socioeconomic Status, Environmental Exposure, Access to Health Services, Housing, and Public Safety; and

WHEREAS, historical racism in Michigan has impacted Black Michiganders including Black Ingham County residents. For example, discriminatory housing practices in the 20th century, known as redlining, along with the construction of I-496 expressway and discriminatory housing covenants contributed to the segregation of the Black community in the City of Lansing. Black citizens across the state of Michigan have been limited to areas with restricted access to healthy foods, disproportionate amount of convenience and liquor stores, clean water, and other essential resources, leading to a variety of other health issues, including reduced life expectancy, higher rates of infant and maternal mortality, and higher rates of lead poisoning; and

WHEREAS, for more than 400 years, racism has existed in America. However, in the 21st century, we are now seeing an increased incidence of police brutality, the result of racism and the disproportionate impact on Black people during the COVID-19 pandemic. Black people are dying in larger-than-expected, record numbers from both; and

WHEREAS, older adults and people of any age who have serious underlying medical conditions are at higher risk for severe illness from COVID-19, Black people have higher incidence of chronic illnesses than other races causing them to die from COVID-19 at 3.8 times the rate of white people. In Ingham County, Black people make up 12 percent of the population, yet they account for 28 percent of confirmed COVID-19 cases; and

WHEREAS, Black people are disproportionately suffering in-part due to long standing, unaddressed health disparities as well as systemic racism and other socioeconomic inequities. Indicators of health disparities include Black infant mortality, which is 12.9% compared to White infant mortality at 6.4%; prevalence of diabetes, which is 17.5% for Blacks compared to 7.7% for Whites; and 20% of Black residents state that they lack access to health care; and

WHEREAS, there is clear data to illustrate that racism negatively impacts the lives of Black people in Ingham County. The current COVID-19 crisis and ongoing protests against police brutality have helped to highlight now, more than ever, that racism, not race, causes disparities for Black Americans; and

WHEREAS, the privileges that other Americans experience inhibit them from fully understanding how racism impacts Black people in America - for example the performance of simple tasks like driving while Black, walking/running in neighborhoods, wearing a hoodie, going to the store, eating ice cream in your own home, or just going to a park all come with certain risk not experienced by others. Concerned parents prepare their Black youth at an early age by having “The Talk” with their children in order to attempt to protect them; and

WHEREAS, prior to the recent police brutality incidents and COVID-19 pandemic, Ingham County was already taking steps to promote health equity through the passage of its Health in All Policies resolution; and

WHEREAS, the American Public Health Association, National Association of County and City Health Officials, and the American Academy of Pediatrics have declared racism as a public health crisis, this Board believes that now is the time to do the same. The disparities caused by racism that we have outlined in this resolution represent a public health crisis which affects us all; and

WHEREAS, we as a governmental body have a responsibility to ensure an optimal quality of life for all of our Black Ingham County residents.

THEREFORE BE IT RESOLVED, that the Ingham County Board of Commissioners hereby declares racism as a public health crisis in the County of Ingham that affects all members of our society on a local (urban and rural), state, and national level and demands action from all levels of government and society.

BE IT FURTHER RESOLVED, that Ingham County is recommitting its full attention to improving the quality of life and health of our Black Ingham County residents.

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners advocates for relevant policies that improve health in the Black community, and support local, state, and federal initiatives that advance social justice.

BE IT FURTHER RESOLVED, that Ingham County will assess our current and proposed laws (ordinances and health regulations) and our policies, as well as their implementation, to promote health for Blacks within Ingham County.

BE IT FURTHER RESOLVED, that Ingham County's Health In All Policies Committee will assess internal policies and procedures to ensure racial equity is a core element in all organizational practices.

BE IT FURTHER RESOLVED, that the Ingham County Board of Commissioners shall create a broadly representative advisory board made up of Ingham County leaders, employees, and the community to achieve community-centered solutions to address the legacy of racial injustices faced by Black communities.

BE IT FURTHER RESOLVED, that this Board of Commissioners urges other governmental bodies to declare racism as a public health crisis and to immediately take steps to intentionally address and support methods that will strategically reduce the long-term impact of systemic racism.

BE IT FURTHER RESOLVED, that the Board of Commissioners requests that the County Clerk forward copies of this resolution to the Governor of the State of Michigan, Ingham County's State Legislative delegation, the Michigan Association of Counties and local units of government within Ingham County.



RESOLUTION

Statement of support

"Love Lives Here"

WHEREAS, we are so proud to live, work and play in this beautiful diverse community we call home. Sadly, for some members of our community, what others might view as isolated incidents represent a sentiment they experience in their daily lives and points to a disturbing realization that we are not as far along the path of reconciliation and unity as we had hoped. Acts by individuals acting in a hateful way or by hate groups must be rejected; they do not represent who we are in Muskegon.

WHEREAS, Edmund Burke's words, "All that is necessary for evil to triumph is that good men do nothing," move us to step forward. We realize that silence appears to be acceptance, and we also recognize that we can and must stand against those who seek to tear down our community through hatred and bigotry. We do not accept hate, and we will not be silent.

WHEREAS, we are speaking against hatred and bigotry—but, just as importantly, we are speaking for love and respect. **LOVE LIVES HERE.** Being silent when another is attacked verbally, physically, overtly or passively is not acceptable. We cannot, and we will not be silent.

WHEREAS, hatred and bigotry are not welcome in our neighborhoods, our schools, our workplaces or our community. Our economic wellbeing rests on our interconnectedness; we cannot thrive if anyone is excluded. It matters not your race, ethnicity, country of origin, faith, or sexual/affectional orientation—we are all here on this earth for a purpose, we all share our love for our families, we all want to live the American Dream, we all aspire to be the best that we can be. We must acknowledge that any differences we have with those that do not look or speak or love the way we do are greatly outweighed by what we do have in common.

WHEREAS, today and always we stand against hate and for each other. **LOVE LIVES HERE.** We commit ourselves to difficult conversations that bring better understanding and cohesiveness to our community. We commit to active listening that respects other viewpoints without belittling or degrading.

Whereas, we commit to not just one event or action, but to continuous respectful behavior, compassionate listening, and recognition of our individual and collective responsibility to harmony and justice in the Greater Muskegon community.

WHEREAS, we remember and affirm Elie Wiesel's words: "We must take sides. Neutrality helps the oppressor, never the victim. Silence encourages the tormentor, never the tormented."

THEREFORE, we stand together renouncing hate and bigotry and affirming our interconnectedness. We encourage all to be part of **LOVE LIVES HERE**, respecting a variety of conversations and cultures, where everyone feels welcome to share their contributions, making us all stronger together, and moving forward with hope and in peace.

ALLEGAN COUNTY BOARD OF COMMISSIONERS

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JUNE 11, 2020 SESSION

JOURNAL 68

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AFTERNOON SESSION

JUNE 11, 2020 SESSION - INVOCATION, PLEDGE OF ALLEGIANCE, ROLL CALL

1/ The Board of Commissioners of the County of Allegan, State of Michigan, met remotely online connecting through a Zoom webinar on June 11, 2020 at 1:00 P.M. in accordance with the motion for adjournment of May 28, 2020, and rules of this Board; Chairman Storey presiding.

The invocation was offered by District #5 Commissioner Jessup.

The Deputy County Clerk led the Board in the Pledge of Allegiance to the flag.

Upon roll call the following members answered as Commissioners for the respective Districts:

DIST #1 DEAN KAPENGA

DIST #5 TOM JESSUP

DIST #2 JIM STOREY

DIST #6 GALE DUGAN -Arrived 1:10PM

DIST #3 MAX THIELE

DIST #7 RICK CAIN -Arrived 1:10PM

DIST #4 MARK DeYOUNG

COMMUNICATIONS

2/ Deputy Clerk Tien noted to the board that they received the following resolutions:

1. Livingston County resolution in support of the request to reclassify Livingston County
2. Kalkaska County resolution to Move Kalkaska County Forward

MAY 28, 2020 SESSION MINUTES - ADOPTED

3/ Moved by Commissioner Kapenga, seconded by Commissioner DeYoung to approve the minutes for the May 28, 2020 session as distributed. Motion carried by roll call vote. Yeas: 5 votes. Nays: 0 votes. Absent: 2 votes.

PUBLIC PARTICIPATION - COMMENTS

4/ Chairman Storey opened the meeting to public participation and the following individuals offered comments:

1. Jason Stone of 3490 130th, Hopkins addressed the board about revisiting the county's policy on ATV/ORV use within Allegan County.
2. Scott Beltman of 3110 130th Ave, Hopkins addressed the board about ATV/ORV use within Allegan County

AGENDA - ADOPTED AS PRESENTED

5/ Moved by Commissioner Dugan, seconded by Commissioner DeYoung to adopt the meeting agenda as presented. Motion carried by roll call vote. Yeas: 7 votes. Nays: 0 votes.

INFORMATIONAL SESSION

6/ Chief Circuit Court Judge Baker and Circuit Court Administrator Erin Stenberg presented the 2019 annual report for the 48th Circuit Court.

48TH CIRCUIT COURT

2019 ANNUAL REPORT

THURSDAY, JUNE 11, 2020

CRIMINAL AND CIVIL,
FRIEND OF THE COURT,
FAMILY DIVISION



THE JUDICIARY

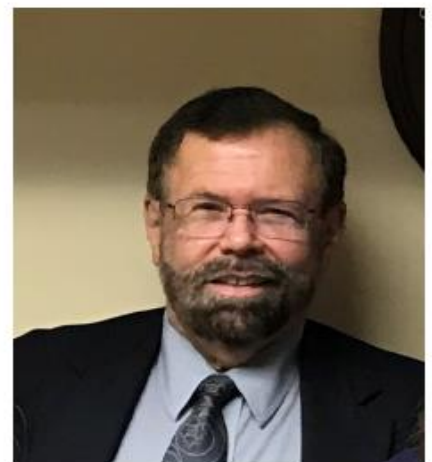
**HON. MARGARET ZUZICH BAKKER,
CHIEF CIRCUIT COURT JUDGE**



**HON. ROBERTS KENGIS,
CIRCUIT COURT JUDGE**



**HON. MICHAEL BUCK,
PRESIDING FAMILY COURT JUDGE**



CIRCUIT COURT STAFF



Hon. Margaret Zuzich Bakker
Chief Circuit Court Judge



Hon. Roberts Kengis
Circuit Court Judge



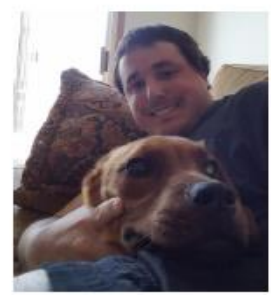
Erin Stender
Circuit Court Administrator



Chris Dulac
Court Financial Officer



Preston Pietszak
Law Clerk



Bart Buxton
Staff Attorney



Anne Lange
Court Recorder/Judicial Secretary



Carley Dalke
Court Recorder/Judicial Secretary



Chris White
Assignment and Scheduling Clerk



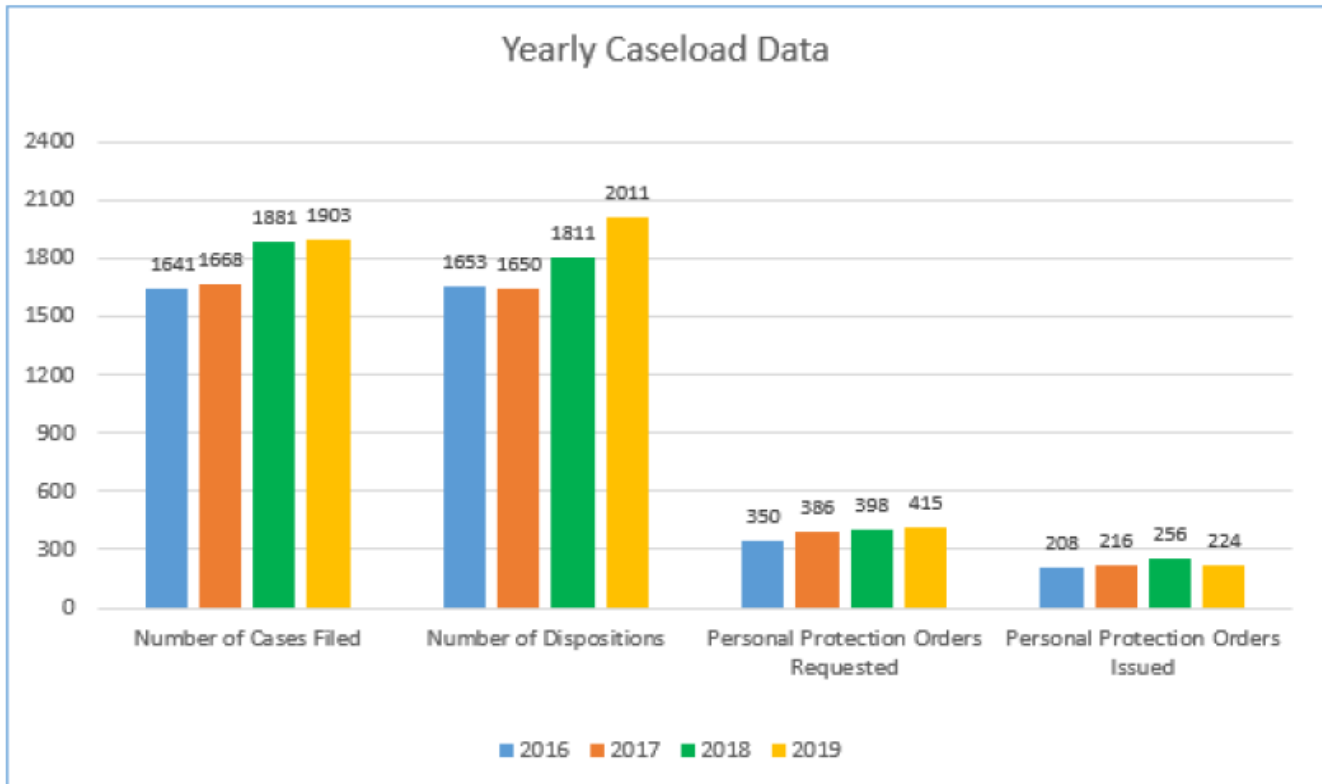
Aaron Arredondo
Swift and Sure Sanctions Probation Program Coordinator



Carol Visser
Secretary/Receptionist

CIRCUIT COURT

STATISTICS



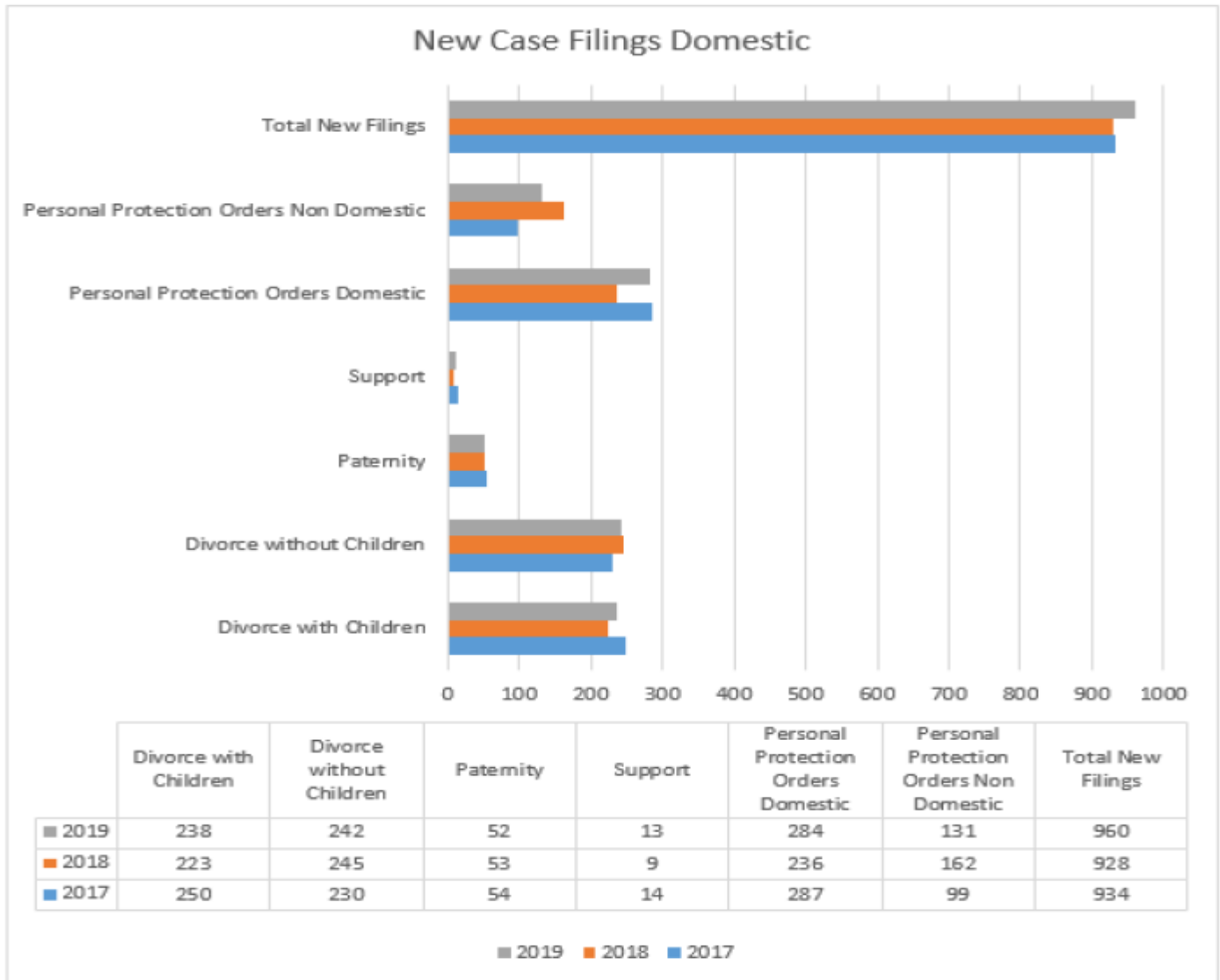
The Circuit Court continues to see an increase in case filings and case dispositions. The court is currently analyzing all of its processes from scheduling dockets to jury summons in an effort to maintain our high standards for service levels and accommodate the increased caseload.

In addition to 2019, being the busiest year on record for Circuit Court, the pandemic has added an increased delay and backup in jury trials. As of mid-May 2020, Judge Bakker had 48 jury trials to schedule and Judge Kengis had 40 jury trials to schedule. A large challenge for 2020, and beyond, will not only be trying to schedule these among an already full court docket, but providing a safe and efficient way to gather jurors, interview jurors, and select a jury for each trial.

The Supreme Court Administrator's Office (SCAO) has also mandated courts have a 4 phase reopening plan. Each phase has a very specific documented plan that must be approved by SCAO before the local court proceeds in very gradual steps to returning to full capacity. The Circuit Court has put together a strategic planning team to work on this detailed task which is all dependent on segmented 14 day gates from the Allegan County Health Department's local pandemic numbers.

CIRCUIT COURT

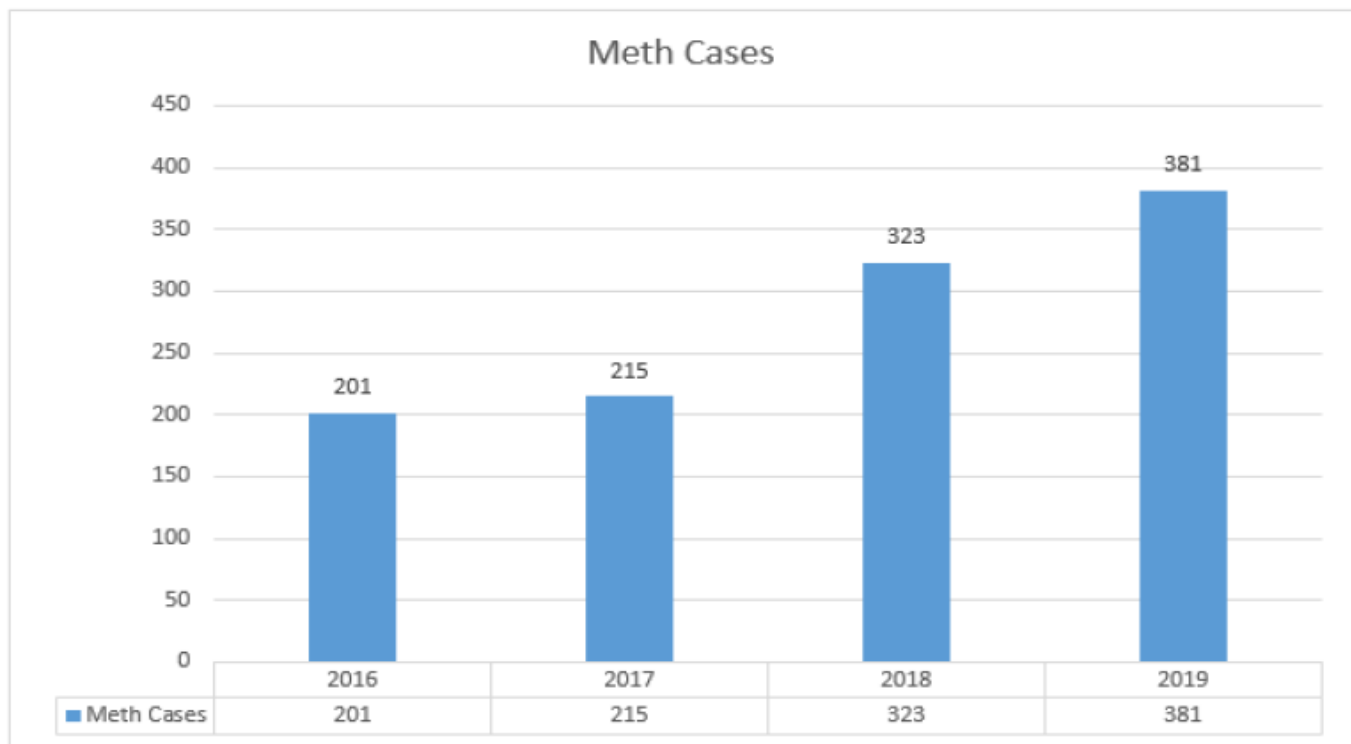
STATISTICS



CIRCUIT COURT

STATISTICS

In 2019, there were 1,420 Felony Cases charged overall. Of the 1,420 total cases, 970 cases were bound over from the 57th District Court. 505 of the 1,420 were drug cases, of which 381 were methamphetamine specific cases. The following graph demonstrates the increase in methamphetamine cases. This only reflects situations where a defendant is charged with a crime involving methamphetamine, but there are many situation where the underlying cause of a crime is related to the use of methamphetamine. Methamphetamine use destroys families and communities, and it is the most destructive drug this Court has seen.



SWIFT AND SURE SANCTIONS PROBATION PROGRAM (SSSPP)

- SSSPP slows the prison pipeline.
- SSSPP is completely grant funded.
- SSSPP is a joint effort between the Allegan County Sheriff, Prosecuting Attorney, Circuit Court Judges, and Michigan Department of Corrections.
- In 2019, the SSSPP Coordinator presented to the office of the Public Defender and other defense attorneys. This presentation increased program awareness and function.
- In 2019, there were multiple graduations and personal victories for the probationers including treatment breakthroughs and maintaining and/or securing employment.
- A future goal for the Swift and Sure Program is to set up a day treatment program for the participants. The SSSPP Coordinator and circuit court judges met with the Northwest Initiative in Ingham County to learn from them and discuss how the success of their "Day Treatment Program" can have a positive impact on Allegan County.

ALLEGAN COUNTY LEGAL ASSISTANCE CENTER (ACLAC)



The Legal Assistance Center helps self represented litigants with a variety of types of civil cases including divorce, child support, parenting time, custody, paternity, personal protection orders, guardianships, landlord-tenant, small claims, court-fee waivers, and judgment collection. Assistance includes providing tools, information, and forms to assist an individual in the advancement of their civil case. If you have an attorney, you do not qualify for assistance from ACLAC.



ACLAC

SERVING THE COMMUNITY

In 2019, **2,996 residents** of Allegan County received zero out of pocket cost legal assistance. 1,611 were repeat customers and 1,385 were first time visitors. On January 2, 2020, ACLAC changed their patron sign in process to Google Sheets. This new process allows them to gather more information, specifically where the patron lives and which municipality is served, specific reason for their visit (this helps staff and volunteers know the patron's needs before meeting with the patron). This improved process allows for more detailed reporting that can include: age, income, race, and municipality. These reports can be generated in total or specific to each municipality.

Testimonials

A man came into the Allegan County Legal Assistance Center, on January 6, 2020. At the time, he was residing in Charleston, West Virginia; however, had previously resided, in Allegan County, where his divorce was granted. The patron explained that he had been directed to the ACLAC offices by Friend of the Court staff to ask for assistance. His daughter was 15 years old and had been involved in a domestic situation with her mother. The girl was placed in a safe placement until the father could obtain permission to take his daughter to West Virginia to live with him. That patron came into our office three days in a row for assistance with filing an ex-parte motion to change custody and a motion to request change of domicile for his daughter. He was very appreciative of the assistance we provided and said "I could not have gotten through this without the assistance of ACLAC staff." The father was able to take his daughter with him when he returned to West Virginia and at a later hearing the motion to change her domicile was approved, at a Circuit Court hearing.

A couple came in to the Allegan County Legal Assistance Center requesting assistance filing for divorce. They had determined they would do it together. A divorce packet for a divorce with minor children was purchased. Through the entire six months, they came in together for each step of the process. Together they had determined to opt out of Friend of the Court services, which is another set of paper work and additional child support calculations. They spent time working on ACLAC's public computer to complete the Uniform Child Support Order and Uniform Child Support Deviation Addendum. After their divorce was final, they came to the ACLAC office to thank ACLAC staff and volunteers for their assistance during the six months that their divorce was pending. They said that they could not have gotten through all of the various steps and completed all of the paper work without the assistance of ACLAC staff and volunteers.

FRIEND OF THE COURT (FOC)

As you may recall, in 2018, the Friend of the Court (FOC) welcomed the Friend of the Court Bureau (FOCB) into the office to review all practices and procedures. This review was initiated by a request from the Honorable Margaret Zuzich Bakker, after learning about the option for assistance from the State Court Administrator's Office. Throughout 2018, analysts from FOCB met with all FOC staff members, interviewed local attorneys, and examined all office procedures. Following completion of this review, a detailed 140 page report was provided which outlined all recommendations.

Throughout 2019, the FOC spent much time dedicated to reviewing, prioritizing, and implementing these recommendations. One of the biggest accomplishments in 2019 was the completion of position modifications based on these recommendations. The FOC is very grateful for the cooperation from the Commissioners during this time, and is also very appreciative for all the help and guidance from the County Administrator, Rob Sarro. Due to this teamwork, the FOC is officially back to full staff for the first time in over two years. The restructuring has helped allocate more resources to some of the most pressing areas of need in the office.

The FOC was also able to survive the Circuit Court Administrator's maternity leave during the summer of 2019 and we are so happy to have Erin back in the office! She has played a vital role in the positive changes to the office culture of the FOC over the past year, along with the other key roles she fulfills.

FRIEND OF THE COURT STAFF



Jennifer Brink
Friend of the Court



Jaclyn Jelsema
Attorney/Referee



Jesse Bergwerff
Office Coordinator



Aimee Kamphuis
Facilitator



Kelsey Hooker
Facilitator



Brandon Bastien
Enforcement Officer



Jessica Guzman
Specialized Enforcement Officer



Shawn Shaw
Court Support Specialist

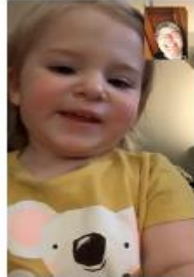


William Tange
Enforcement Officer

FRIEND OF THE COURT STAFF



Candy Adrianson
Enforcement Officer



Stacy Todd
Enforcement Officer



Jenny Curry
Support Investigator



Gina Cole
Support Investigator



Jody Leonard
Support Investigator



Brynne Ebels
Clerk II



Laura Calvillo
Client Financial Services Clerk



Nicole Bakri
Receptionist



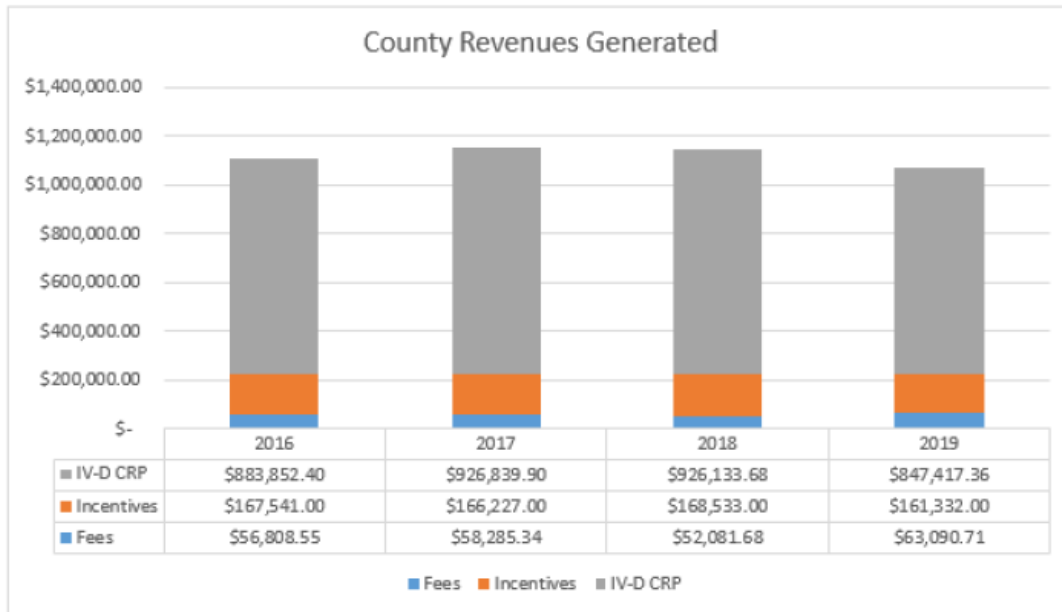
Missy Risner
Receptionist

FRIEND OF THE COURT ALTERNATIVE CONTEMPT TRACK (ACT) STATISTICS

- 43 referrals were made. 17 individuals were admitted into the program.
- 9 successful discharges. 18 unsuccessful discharges.
- Participant feedback:
 - “Best program ever.”
 - “I never thought the court would actually try to help me.”
 - “I’m excited to tell the Judge about my progress.”
 - “This is the first time the court system really helped me.”
 - “This is the first time I have a support system.”
- Services received based on qualifying factors
 - 7 participants received counseling
 - 4 participants received MI Works referrals
 - 2 participants received adult education services
 - 4 participants applied for and received Medicaid
 - 4 participants applied for and received food assistance
 - 1 participant received permanent housing after being in a domestic violence shelter
 - 4 participants received temporary emergency shelter at a homeless shelter
 - 2 participants received substance abuse counseling
 - 1 participant had their driver’s license reinstated
 - 2 participants were approved for services with Michigan Rehabilitation Services (MRS)
 - 2 participants applied for and were approved for Supplemental Security Income (SSI)
 - 4 child support orders were modified
 - 4 participants were referred to the Allegan County Homeless Assistance Program (HAP)
- \$23,665.92 in support collected from ACT participants in 2019

FRIEND OF THE COURT

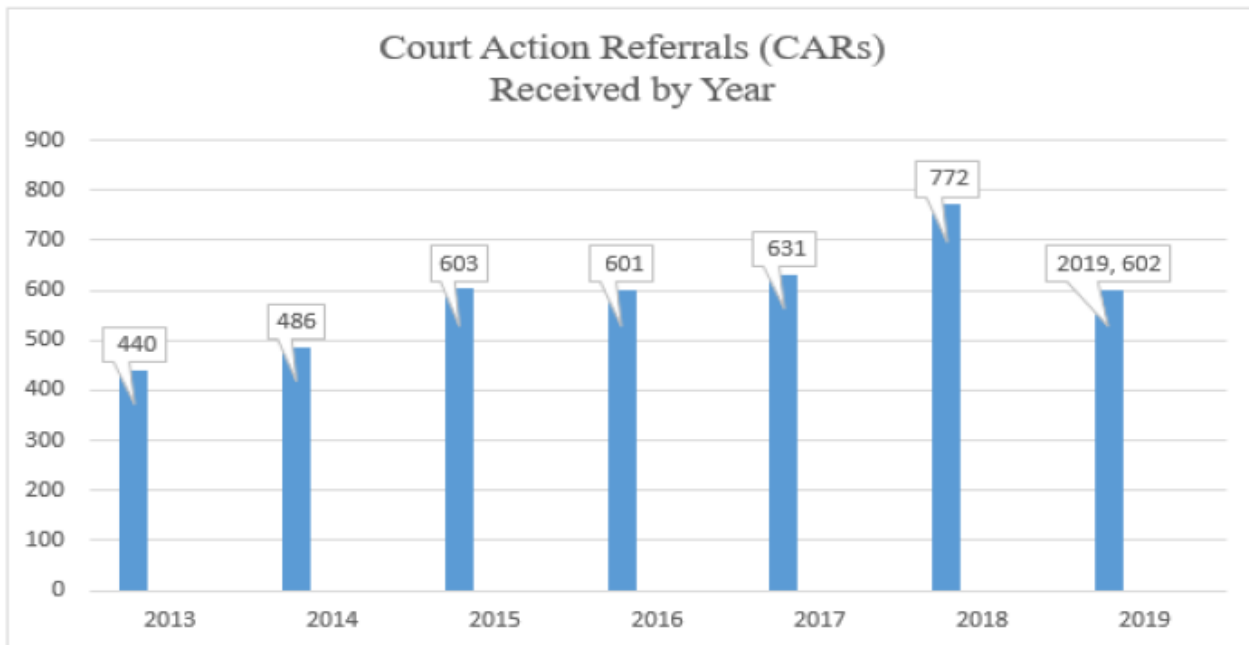
REVENUES



1. **IV-D CRP** reflects the revenue for IV-D services. It is the total amount received under the Cooperative Reimbursement Program (CRP) contract. The CRP is a federal payment allocated to the county general fund. This amount is directly related to the amount of expenditures by the FOC office.
2. **Incentive** reflects the performance-based federal payment allocated to the county general fund. It is the total amount of incentives received pursuant to the federal IV-D program. 42 USC 658A, 45 CFR 305.35.
3. **Fees** reflects the statutory collections allocated to the county general fund. It is the total amount for semiannual service fees, which is \$2.25 received by the county treasurer and not the service fees collected and sent to the state treasurer. MCL 600.2538(1).

FRIEND OF THE COURT

STATISTICS



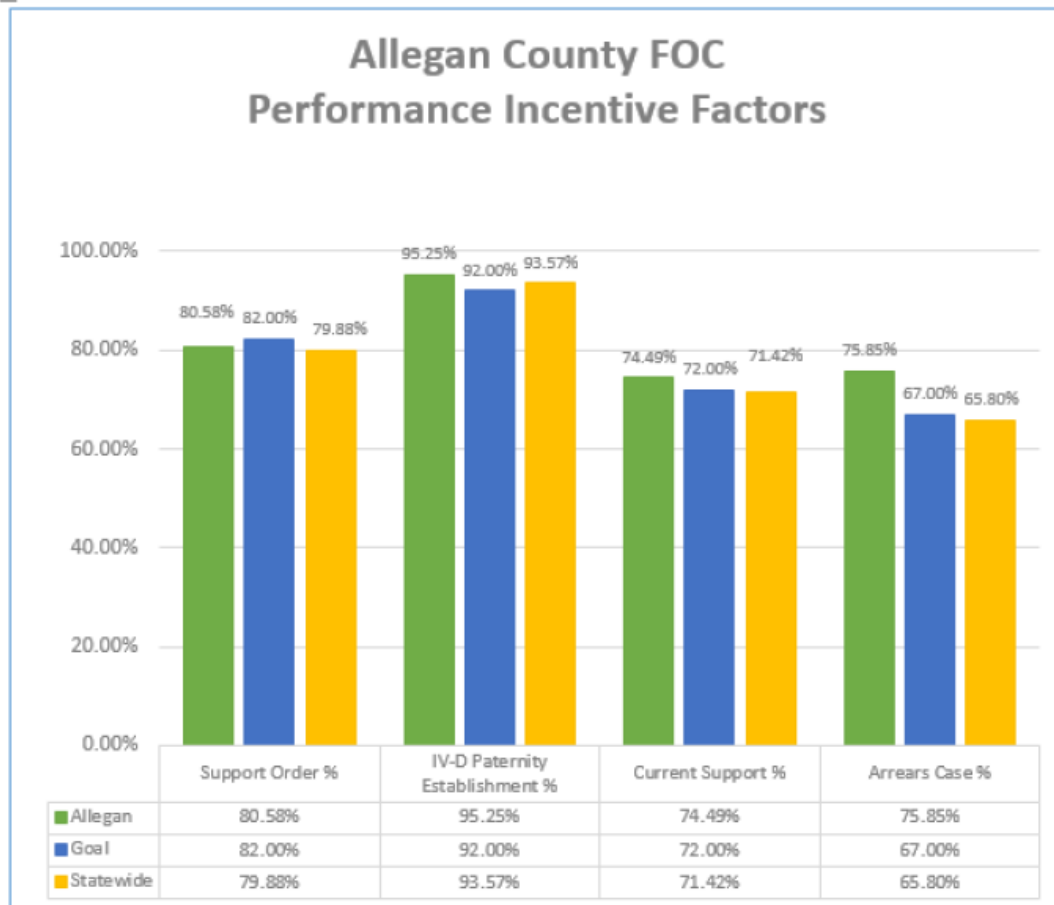
The Establishment unit of the FOC received 602 referrals to begin paternity and child support actions in 2019. Future incentive payments will be based upon meeting separate Contract Performance Standards:

- 1) 75% of the referrals must be worked within 14 days,
- 2) 75% of cases must meet the federal expiration date for service, and
- 3) 75% of the cases must have a final order within 6 months.

The Establishment unit consistently meets and exceeds standards #1 and #3, but needs assistance with standard #2, serving the complaints within the given timeframes.

FRIEND OF THE COURT

STATISTICS

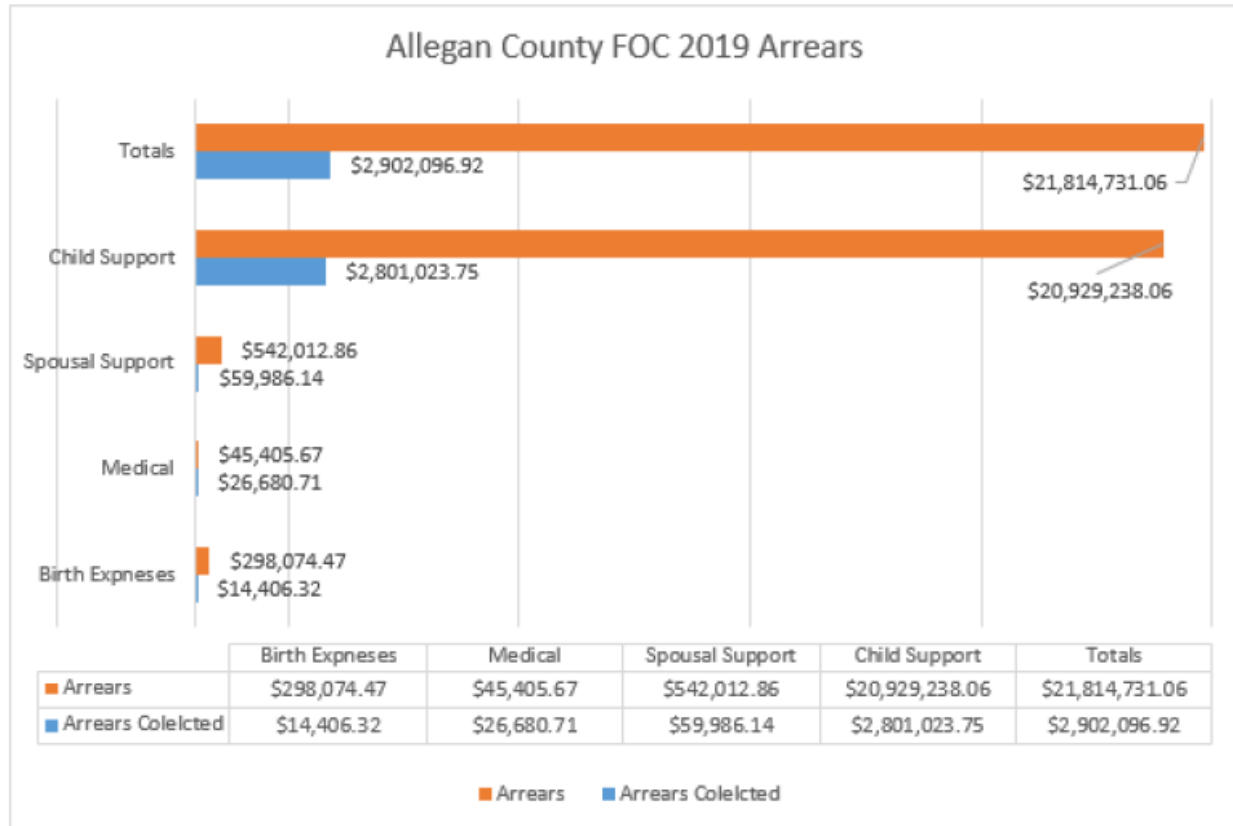


This year the FOC met 4 of 5 performance measures. Although the FOC has worked to reorganize positions to allocate resources to areas of need, the FOC is missing out on additional incentive payments which could be met with additional resources.

The above graph compares Allegan FOC to statewide performance and also the goals for performance set forth by the state. Ultimately, each individual county FOC office needs to meet the goals in order for the state to maximize its incentive dollars, which are distributed to the counties.

These numbers are provided through a tracking system implemented by the state called the Dashboard. These numbers can be accessed through Business Objects in the Michigan Child Support Enforcement System.

FRIEND OF THE COURT



In 2019, Allegan County FOC cases had a total of **\$21,814,731.06** in arrears, which is money that is past due.

464 bench warrants were issued in 2019.

701 support show cause hearings were conducted by the Circuit Court Judges.

As of January 24, 2020:

There were **256** active bench warrants for payors with an address in Michigan. The bond payments alone total **\$681,686.00**.

There are another **134** active bench warrants for payors with a bad address.

There are another **145** active bench warrants for payors residing outside of Michigan.

Total of **535** outstanding warrants.

Allegan FOC is not currently able to utilize other permitted enforcement remedies, such as booting vehicles or placing liens/seizing/selling property.

FAMILY COURT STAFF



Hon. Michael L. Buck
Presiding Family Court Judge



Craig Sewell
Attorney Referee



Jolene Clearwater
Attorney Referee / Director of Juvenile Probation



Amy Cornell
Judicial Secretary



Meagan Scofield
Client Financial Services Clerk



Alicia Nevenzel
Client Financial Services Clerk



Cyndi Krug
Assignment Clerk / Court Recorder

FAMILY COURT PARTNERSHIP FOR THE FUTURE



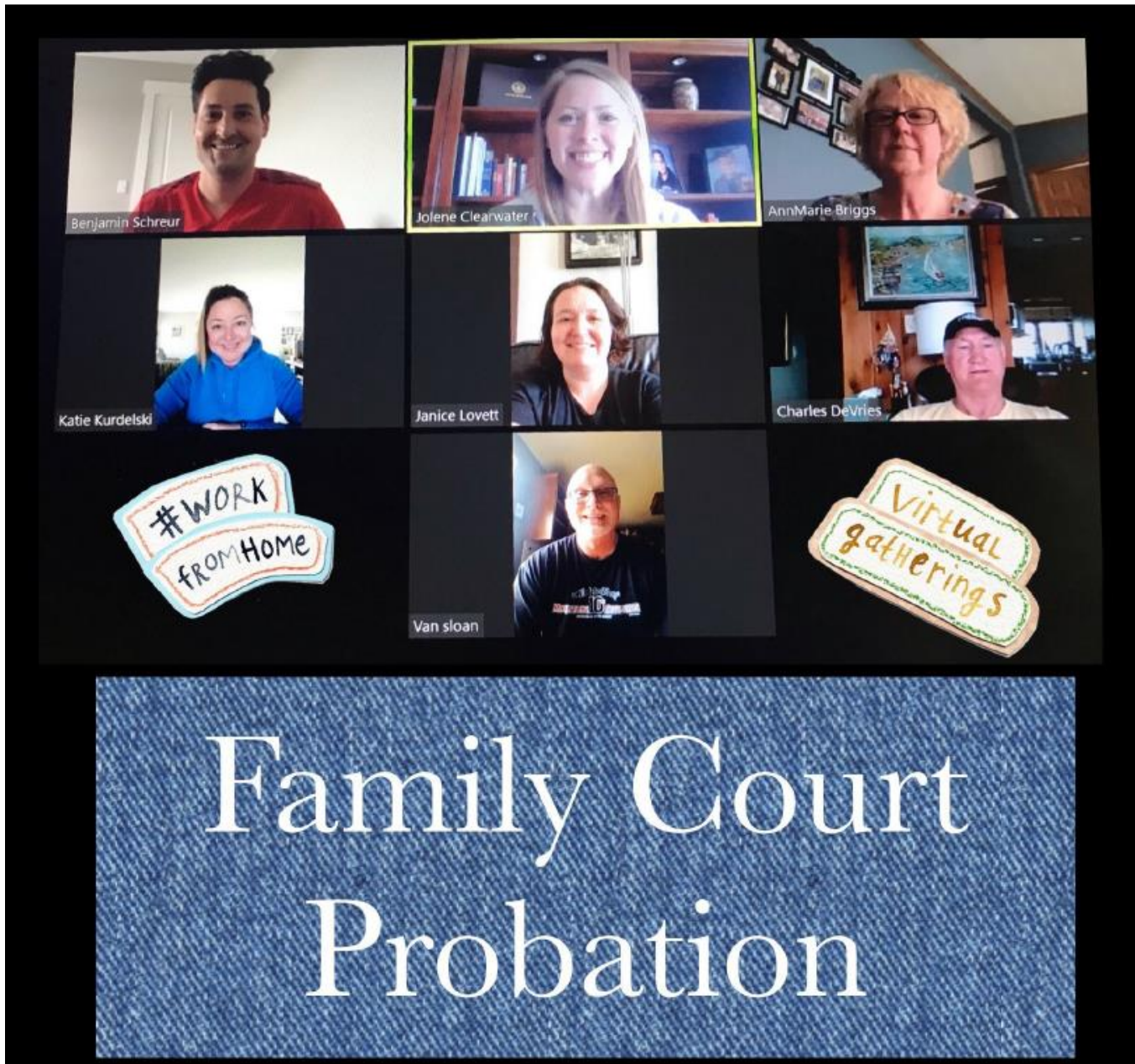
Safe Harbor
Children's Advocacy Center

"Providing a lifeline to victims of child abuse and neglect."

The 48th Circuit Court Family Division has had a long standing relationship with Safe Harbor Children's Advocacy Center for Court Appointed Special Advocates Program (CASA). The CASA program is a zero cost program for Allegan County. In 2019, 27 children and families were assisted by 14 CASA workers resulting in 3 reunifications with families and 6 adoptions. In addition to the CASA program, Safe Harbor provides counseling services and forensic interviews for neglect and abuse youth.

Safe harbor has currently outgrown it's downtown Allegan space and they plan to renovate a 14,000 square foot building donated by the Perrigo Company for the health of the children and families in our community. Changes to Safe Harbor's facility will allow multiple children to participate in essential services simultaneously. These renovations will enhance the services currently being provided by taking the agency from 2,400 square feet to 7,000 square feet. This transformation will create multiple traditional counseling rooms, art and play therapy spaces, age appropriate interview rooms for young children and teens, a CASA office with space to train 2-3 volunteers, a dedicated medical suite, team and community training rooms, a functioning conference room, and individual staff offices. These improvements will enable Safe Harbor and the team partners to better support children and families experiencing trauma.

COMMUNITY PROBATION AND JUVENILE DIVERSION



Ben Schreur, Probation Officer; Jolene Clearwater, Director of Juvenile Probation; Ann Marie Briggs, Probation Officer; Katie Kurdelski, Probation Officer; Janice Lovett, Probation Officer; Charlie DeVries, Probation Officer; and Van Sloan, Diversion Officer

COMMUNITY PROBATION AND JUVENILE DIVERSION COMMUNITY OUTREACH

A key component of family court probation is the community involvement of probation officers. Every probation officer is encouraged to participate in a community-based group, and as a result, probation staff sit on committees such as the Multi-Agency Coordinating Council, Allegan County Substance Abuse Prevention Coalition, Allegan County Suicide Prevention Coalition, Allegan County Coordinating Council on Domestic Violence, and the Ottaway County Gang Taskforce. Probation officers are volunteers with 4-H, church-based youth groups, and are actively encouraged to attend client's school and community-based events such as sporting events, concerts, and awards assemblies. In coordination with local churches, family court probation also assists with long-standing traditions involving giving back to the community. This year Probation Officers reached out during the public health crisis.

During the public health crisis surrounding the spread of COVID-19, Family Court



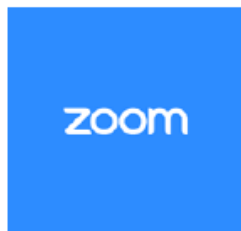
probation officers were severely limited in their ability to continue operations “as normal”, with face-to-face contacts suspended to slow the spread of the virus. In this time, probation staff got creative with ways to continue to support and serve court-involved families. During this outbreak, probation staff was able to provide food assistance to families in need by way of non-perishable groceries, frozen meats and meals, and fresh

vegetables by reaching out to local churches and food pantries, and creatively utilizing special project funds. Additionally, probation officers were able to challenge clients with creative tasks, such as answering their probation officer's “question of the day” and submitting videos with responses. Any client who participated consistently and met the probation officer's challenge was able to receive a small gift card to a local restaurant as an incentive. While these means are no substitute for face-to-face contact and case management, probation staff has worked very hard to continue their roles as public servants, reaching out in creative ways to serve those who come into contact with the court.

COMMUNITY PROBATION AND JUVENILE DIVERSION

Family Court Goes Virtual

The COVID-19 health crisis limited the court's ability to conduct hearings in person. As a result, the Family Court (and all the courts) seized the opportunity to utilize a virtual courtroom via Zoom, which is an internet-based teleconferencing application. Zoom courtrooms allowed the court to continue to conduct hearings remotely, giving the public continued access to the courts and ensuring that litigants were afforded their due process rights. Zoom technology allowed both judges and referees to ensure their safety, as well as the safety of all court staff and parties to the case.



Raise the Age Legislation

On October 31, 2019, Governor Whitmer signed a package of bills commonly referred to as “Raise the Age” into law. This new law will change the age of Family Court jurisdiction from 17 to 18, meaning that 17 year-olds, who were previously considered adults in the criminal justice system, will now fall within the definition of a “juvenile” and will be subject to the juvenile justice system. Michigan is one of 46 states that consider 17 year-olds juveniles rather than adults. While this law does not take effect until October 21, 2021, the Family Court has been busy reviewing our policies and procedures to ensure that we are ready for this change when it occurs. Caseloads may be affected by this change, and so the court is reviewing the possibility of expanded staffing and diversion programming, as well as the potential for additional community-based services that we can provide to better serve older youth.

JUVENILE DETENTION

The Detention Program is designed to provide a short-term, physically restrictive, safe and humane environment for youth, both male and female, ages 10-17 who are detained pending further court action. Youth under the age of 18 who are charged with committing a delinquent or criminal act are processed through the juvenile justice system. While similar to that of the adult criminal justice system in many ways—process includes arrest, detainment, petitions, hearings, adjudications, dispositions, placement, and probation. The juvenile justice process operates according to the premise that youth are fundamentally different from adults, both in terms of level of responsibility and potential for rehabilitation. In 2019, the juvenile center admitted 184 youth and the average length of stay was 24 days. Release from detention occurs only through posting of bond (if applicable), or by order of the court.

Although not a treatment program, the detention program offers daily programming and activities within the framework of a token economy system to help youth learn how to use more appropriate/positive behaviors.

Thinking of 2019, as it relates to secure detention is best described as a year in transition. Long time supervisor, John Morris, retired the end of August, but one does not

need to look far to see his talent left behind with his gardening and woodworking skills. Scattered around the facility you can see John's special touches with the bird houses, picnic tables, benches, flower vegetable gardens. For 33 years John coached youth and mentored staff, with his stories that always left the youth and staff with a smile. John knew the importance of laughter when working in or living in a secure facility and most importantly he knew how to connect with kids. John

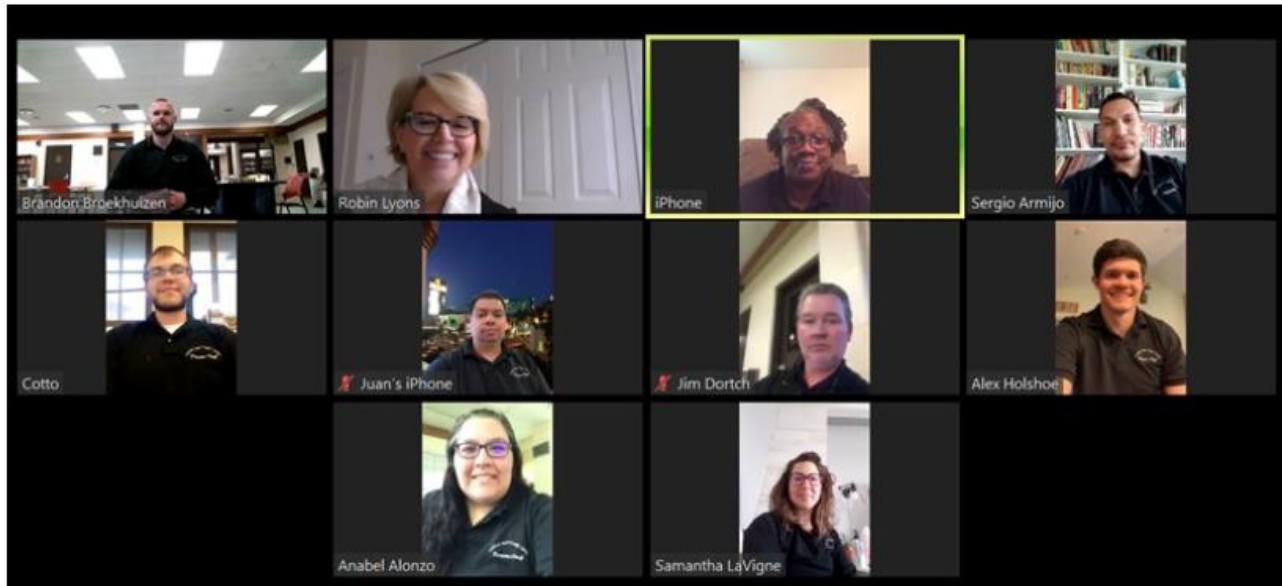


helped give purpose to each and every day through his special projects and creative group initiatives whether it was the bucket buddy or push-ups for Jesus his creativity was limitless. One of the last projects John worked on with a couple of our youth was a Little Free Library which was donated to our music therapist Louie Morand.

Though John has left big shoes to fill, Brandon Broekhuizen has stepped into the role as supervisor. Brandon worked as a Youth Specialist for five years prior to taking this position. Brandon brings his own strengths as a natural leader and a passion for on-going education.

Though John has left big shoes to fill, Brandon Broekhuizen has stepped into the role as supervisor. Brandon worked as a Youth Specialist for five years prior to taking this position. Brandon brings his own strengths as a natural leader and a passion for on-going education.

JUVENILE DETENTION STAFF



Brandon Broekhuizen, Supervisor; Robin Lyons, Director; Mary Robinson, Youth Specialist; Sergio Armijo, Youth Specialist; Connor Otto, Youth Specialist; Jaun Charo, Youth Specialist; Jim Dortch, Assistant Director; Alex Holeshoe, Youth Specialist; Alma Benavidez-Alonzo, Supervisor; Samantha LaVigne, Youth Specialist; Joan Laraway, Dietary Supervisor; Eric Essenburg, Youth Specialist; Cori Perkins, Youth Specialist; Deborah Arms, Juvenile Section Registrar; Wendy Dopp, Assistant Juvenile Section Registrar; Anna Cole, Dietary Aide

JUVENILE DETENTION

A Day in Detention, From the Lens of a Youth...

To get a glimpse into what a day in detention looks like from the lens of a youth, one may first notice what is missing. Missing is a gaming system, access to social media, and endless hours of screen time. What you will find is a structured day of education, with skill building activities beginning at 6:30 a.m. and winding down at 9:00 p.m. seven days a week.

Monday through Friday educational programming which offers classes in Math, Science, Language Arts, and History is provided by Outlook Academy. Detention staff play a vital role in supporting Outlook teachers by participating in the classroom, working with students on the G.E.D. and supporting high school youth with the on line credit recovery program.

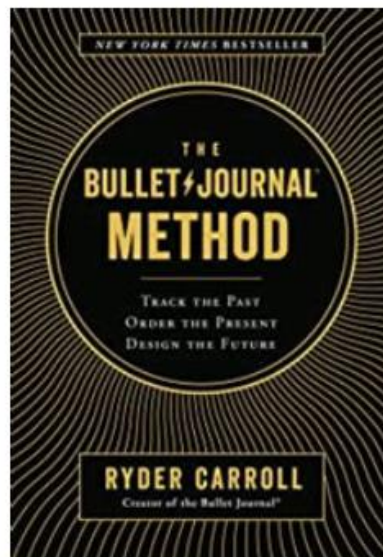
Learning does not stop when the teachers drive out of the parking lot. The work continues with creative writing through prompts, followed by an hour of staff lead book clubs. Book club is a time for small group interaction and a bit of relaxation before the evening meal. Staff and youth are divided into small groups to read aloud the same book. The book is discussed throughout, unfamiliar words are looked up and pronounced and at the conclusion of the book, reviews and ratings are written and shared. In an effort to help encourage literacy as a culture in detention the youth can purchase a “book themed” t-shirt to wear from the “detention store” and enjoy a little bit of originality rather than wearing the standard navy t-shirt provided as part of the detention uniform.

Additional programming interspersed throughout the week includes; twice weekly religious services scheduled through Barnabas Ministries, Why Try Groups facilitated by juvenile center staff, pottery classes by local artist, Jeff Blandford, prevention groups provided by Community Mental Health, music therapy by Louie Morand, job skills awareness and resume building by Kerrie Antelo through MI Works, cooking classes by our dietary supervisor, Joan Laraway, Highly Effective Teen curriculum facilitated weekly by Bruce Adams and gardening by detention center staff. Other daily activities include exercise either outside or in the multi-purpose room, daily living skills such as cleaning the unit and their rooms, tending to their laundry, and self-care.

JUVENILE DETENTION

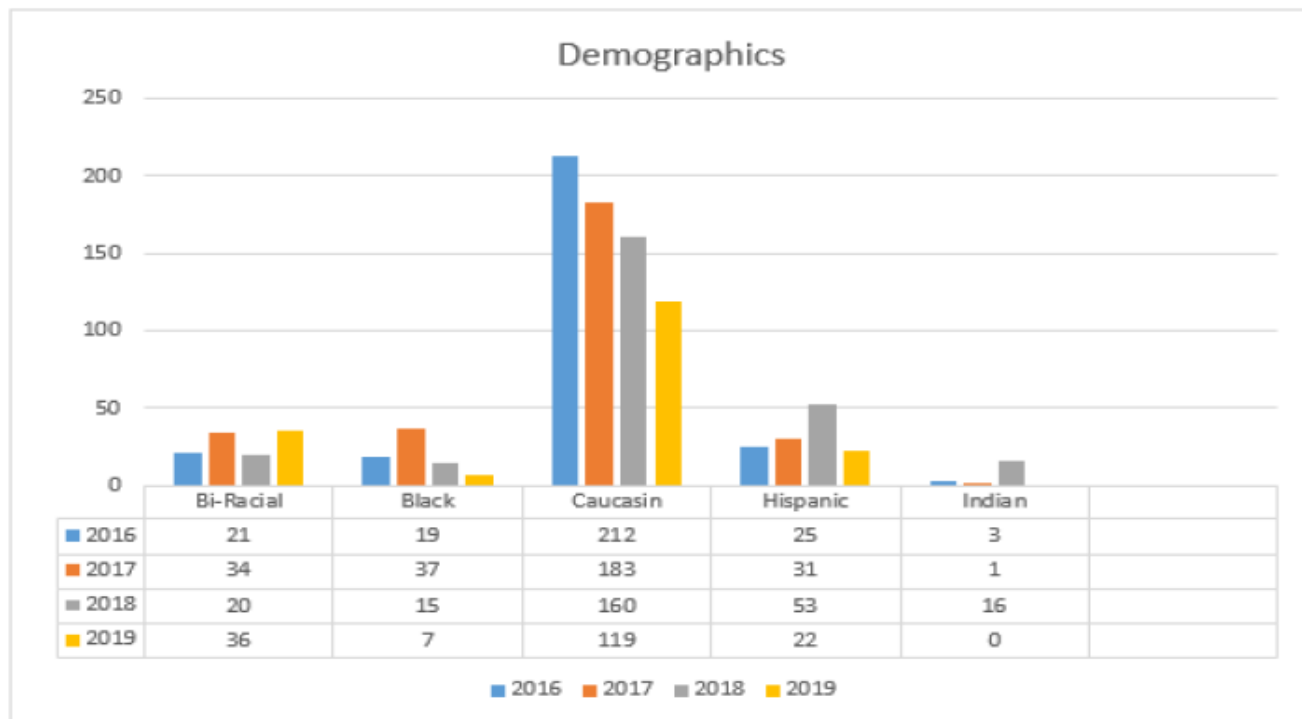
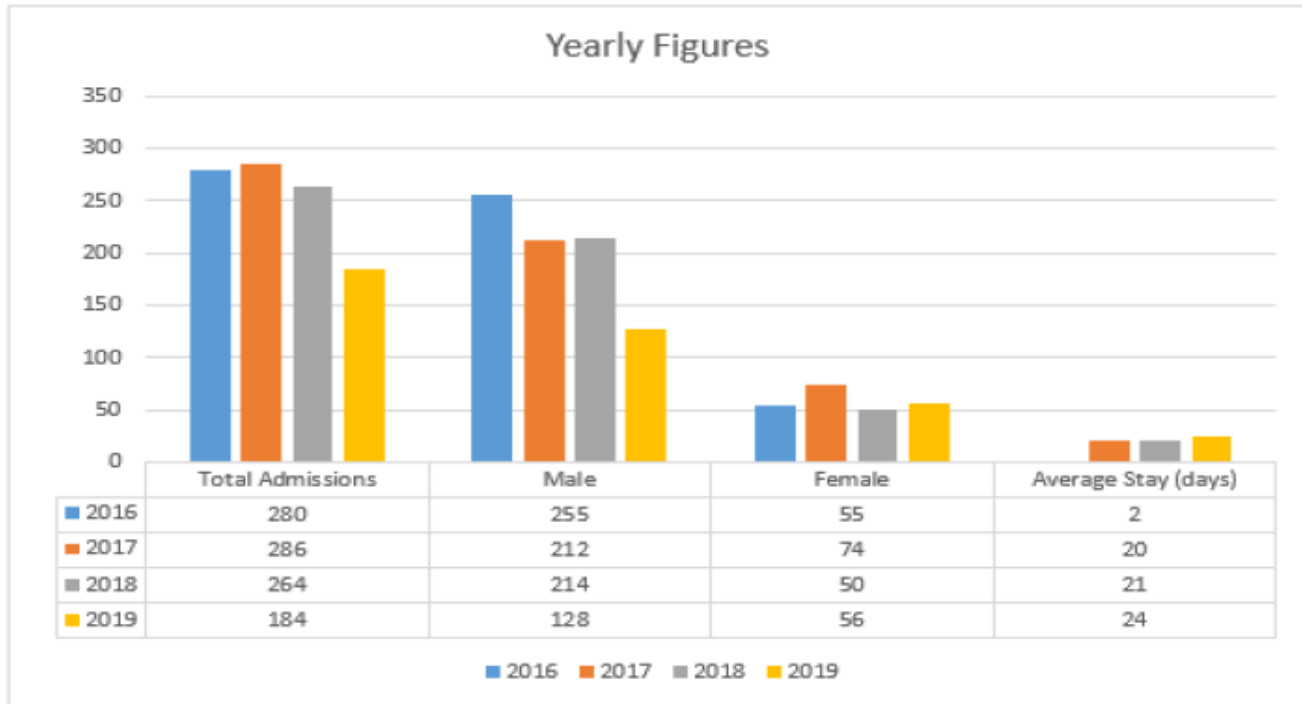
A Day in Detention, From the Lens of a Youth... (Continued)

Living every day with purpose in juvenile detention, although a difficult concept to wrap your head around, is made clearer with the use of The Bullet Journal Method. This method created by Ryder Carroll as a way to manage his life with ADHD was introduced as a pilot book club facilitated by reading interventionist, Lonna Schaap, with staff and generated enthusiasm as a way to support and organize our youth.



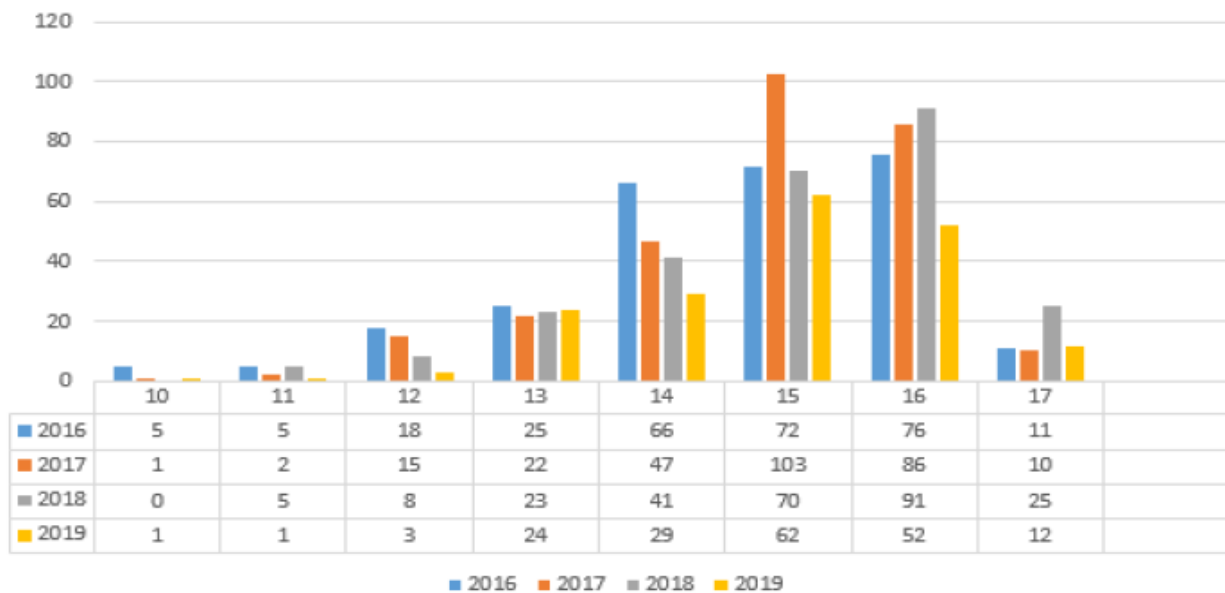
In late 2019, youth were introduced to the bullet journal method and encouraged to track their daily activities, journal their thoughts and feelings, generate goals, and create task lists so they could help make sense of and organize the present. This method can be used with technology, but according to Ryder if used to help with ADHD the value is in putting pen to paper to help slow down thinking and organize thoughts. Reflection time is encouraged greatly with this method, and what better time than in detention, without the background noise of social media, screen time, and gaming systems to strategically plan for the future.

JUVENILE DETENTION

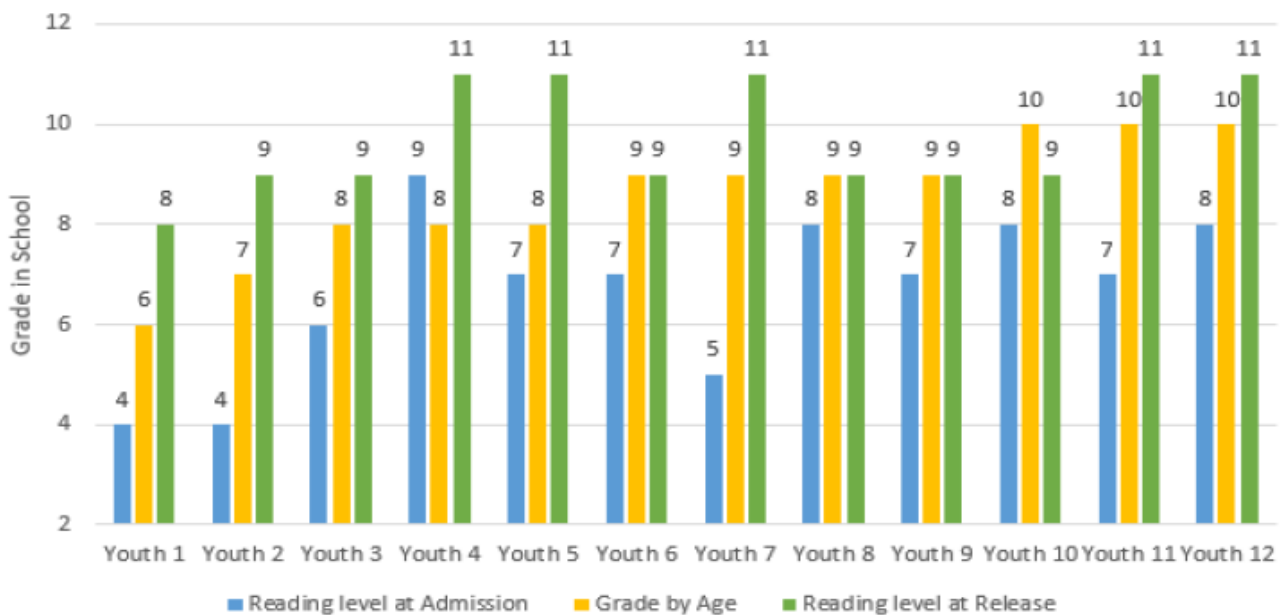


JUVENILE DETENTION STATISTICS

Age at Time of Admission



Literacy Growth From Admission to Release



COMMUNITY JUSTICE STAFF



Community Justice Officers: Kendall Domeier, Director
Robin Lyons, Lisa Dortch, and Judy Skinner

The community justice officers' mission and purpose is to help support youth and families referred to them by the Court. Youth are referred for:

- Aftercare
- Surveillance
- Community Service
- Skill Streaming Groups
- Minimizing the number of days in out of home care



COMMUNITY JUSTICE

Surveillance/Bond

Youth out on bond awaiting adjudication, or youth on probation and in need of extra support in the home. Staff provide home visits, attend hearings, and coordinate services. This year eighty-three youth were involved with the surveillance program. When youth are unable to maintain in their home youth may be ordered into Cheever Treatment Center where support from Community Justice will continue. This year two of the youth received their GED and one transitioned into the Job Corp program.

Community Service

Community Service is used as a sanction by the Court and youth are sometimes referred to Community Justice for supervision. The majority of the community service hours were spent working in the garden located at the Juvenile Center. Produce is used by the kitchen staff to help supplement the food budget and what is not used in the kitchen is donated to the local food pantries. Other work sites for community service include the Fair Grounds as well as CMH and the DHHS building where youth participate in general clean up.

Group Work

Youth in need of additional skills to problem solve, and better manage their life can be ordered by the Court to attend the “Why Try” group facilitated by Community Justice Officers. The Why Try curriculum is built on ten metaphors that help youth break down how the choices they are making are affecting their life and how they have the power to make the changes needed to get what they want. This year the program had ten youth in the summer group program, and also worked with youth individually.

Elementary Truancy

The Community Justice Officers take referrals from elementary schools and in 2019 there were sixty referrals made from schools that identified kids in need of extra support to get to school. The Community Justice Officers facilitate “Why Try” Groups in elementary schools and this year eighty-eight kids participated in “Why Try” groups. The “Why Try” Program is a strength-based approach to helping youth overcome their challenges and improve outcomes in the areas of truancy, behavior, and academics. Emphasis include; basic problem solving, anger management, dealing with peer pressure, building a support system and working on future goals. Youth are taught social and emotional principles through a series of ten metaphors. These visuals are then reinforced by music, video and group activities.

CHEEVER TREATMENT CENTER

**“Strong people stand up for themselves,
but stronger people stand up for others” - unknown**

Every day when I open my eyes, I experience strong staff rising up to be stronger for the adolescents in our care. This support has not wavered since Cheever came to be, but the recent pandemic has made our need to rise up to be strong for others paramount. The dedicated staff of Cheever have continued to serve the residents with the same high level of care present prior to the pandemic occurring. I would even go as far to say that we are serving our residents at a higher level of care due to recent changes in our daily lifestyles.

Staff

Our staff bring a rich history of experience to Cheever. This variety of experience provides the foundation to develop quality personnel that teach, model, and care for the residents. The leadership of Cheever has utilized staff's skills and passions in creating opportunities for teaching and modeling to take place. Our staff have opened the residents' worlds to backpacking/hiking, physical fitness, arts and crafts, music, culinary skills, and sports. Staffs' knowledge and interests have created opportunities for learning new positive behavioral habits.

Cheever's Goal

Our goal for the residents is to learn new strategies to utilize leading to more effective control of themselves. This more effective control leads to better relationships in their lives. Stronger relationships lead to the residents and their families making healthier behavior choices in an effort to prevent further court involvement.

Teaching

Staff use a variety of methods to provide the residents the ability to make healthy change in their lives. We have set groups that focus on the residents gaining skills to be in more effective control of themselves, individual therapy, family therapy, and community service opportunities that provide foundations for change. Outside of the consistently implemented formal teachings, staff provide opportunities for the residents to discuss and practice the skills informally, while engaging in prosocial activities.



CHEEVER TREATMENT CENTER

Various activities that staff often utilize for transferring skills include: taking walks, backpacking, going fishing, weight lifting, basketball, pickle ball, painting, drawing, making fly fishing lures, and playing board and card games. These activities provide avenues of discussion while also teaching the residents new ways to occupy their time in a positive and connecting manner.

The pandemic has made all of our teaching important. Our residents continue to learn and reinforce new skills which assists them in handling the emotions and thoughts brought on by additional stressors. As the residents continue to practice handling their thoughts and emotions effectively, they have the opportunity to build on patterns of success.

Modeling

A key method to reinforce our teaching is modeling. Staff model the proper use of skills we are teaching. The residents spend time getting to know us, resulting in them becoming more open to the information we are sharing with them on a daily basis. This process is typically followed by the residents being aware of staff members' behavior patterns. They want to see for themselves that staff just don't teach skills, but various ways the skills are implemented in different situations. The process of staff teaching and modeling the skills throughout the daily activity reinforces our hope for positive change from our residents. Since the pandemic has affected us, I believe staffs' modeling in handling their emotions and concerns so effectively has been instrumental in how well the residents have managed their own uncertainties. We have continued with life at Cheever by taking time to lead groups and activities. Normalizing life in the midst of the pandemic helps the residents maintain balance.

Staying Strong

The strength of our staff has always been an asset. The passion staff bring to their work is infectious. This difficult time we are facing has reinforced the skill set that each staff member brings to the unit. We have staff who are facing struggles and difficulties at home, due to recent events, but each person remains strong in spirit when on shift. Staff demonstrate empathy for our residents and their families. We are all in this together.

ADMINISTRATIVE REPORTS:

7/ Administrator Rob Sarro referenced his written report that was distributed to Commissioners. Highlights included: organizational wide Zoom training on the County's Safe Work Plan; Courthouse construction project timeline; State Personal Property Tax (PPT) reimbursement; parks and campground opening dates; and public health COVID-19 mass testing that took place on June 6, 2020.

FINANCE COMMITTEE – CLAIMS & INTERFUND TRANSFERS

8/ **WHEREAS**, Administration has compiled the following claims for June 5, 2020 and June 12, 2020; and

WHEREAS, the following claims, which are chargeable against the County, were audited in accordance with Section 46.61 to 46.63, inclusive, M.C.L. 1970 as amended and resolutions of the Board; and

WHEREAS, said claims are listed in the 2020 Claims folder of the Commissioners' Record of Claims.

June 5, 2020

	TOTAL AMOUNT CLAIMED	AMOUNT ALLOWED	AMOUNT DISALLOWED
General Fund – 1010	145,986.49	145,986.49	
Park/Recreation Funs – 2080	307.55	307.55	
Central Dispatch/E911 Fund – 2110	-6.99	-6.99	
Friend of the Court Office – 2151	401.18	401.18	
Health Department Fund – 2210	4,071.43	4,071.43	
Solid Waste – 2211	1,155.37	1,155.37	
Transportation Grant – 2300	919.26	919.26	
Palisades Emergency Planning Facility UP – 2630	975.00	975.00	
Law Library Fund – 2690	2,171.44	2,171.44	
Grants – 2790	405.00	405.00	
Victims Rights Grant – 2791	152.23	152.23	
Wayland Township – 2806	111.76	111.76	
Saugatuck City – 2811	89.00	89.00	
Child Care-Circuit/Family – 2921	147,532.47	147,532.47	
Soldiers Relief Fund – 2930	1,006.20	1,006.20	
Senior Millage – 2950	384.68	384.68	
Delinquent Tax Revolving Fund – 6160	1,392.81	1,392.81	
Fleet Management – 6612	180.20	180.20	
Self-Insurance Fund – 6770	351,963.32	351,963.32	
Drain Fund – 8010	328,435.95	328,435.95	
TOTAL AMOUNT OF CLAIMS	\$987,634.35	\$987,634.35	

June 12, 2020

	TOTAL AMOUNT CLAIMED	AMOUNT ALLOWED	AMOUNT DISALLOWED
General Fund – 1010	63,250.90	63,250.90	

Park/Recreation Funs – 2080	3,268.45	3,268.45	
Central Dispatch/E911 Fund – 2110	1,745.25	1,745.25	
Health Department Fund – 2210	20,816.20	20,816.20	
Transportation Grant – 2300	38,527.01	38,527.01	
Capital Improvement Fund – 2450	27,542.99	27,542.99	
Register of Deeds Automation Fund – 2560	134.22	134.22	
Palisades Emergency Planning Facility UP – 2630	123.10	123.10	
Grants – 2790	3,979.00	3,979.00	
Wayland Township – 2806	58.00	58.00	
Child Care-Circuit/Family – 2921	2,066.07	2,066.07	
Soldiers Relief Fund – 2930	1,247.22	1,247.22	
Senior Millage – 2950	360.55	360.55	
Delinquent Tax Revolving Fund - 6160	382.63	382.63	
Drain Equip Revolving – 6390	225.02	225.02	
Fleet Management – 6612	211.10	211.10	
Self-Insurance Fund – 6770	4,225.13	4,225.13	
Drain Fund – 8010	14,158.30	14,158.30	
TOTAL AMOUNT OF CLAIMS	\$182,321.14	\$182,321.14	

THEREFORE BE IT RESOLVED that the Board of Commissioners adopts the report of claims for June 5, 2020 and June 12, 2020.

Moved by Commissioner Dugan, seconded by Commissioner Kapenga to adopt the report of claims for June 5, 2020 and June 12, 2020. Motion carried by roll call vote. Yeas: 7 votes. Nays: 0 votes.

2020 MILLAGE LEVY – SET COUNTY MILLAGE RATES

9/ WHEREAS, pursuant to State Law (MCL 141.412 and 141.413), a notice of a public hearing concerning the 2020 County Budget was published in the Allegan County News, a newspaper of general circulation, on October 3, 2019, and a public hearing concerning the budget was held on October 10, 2019; and

WHEREAS, the Board of Commissioners (Board) adopted a Fiscal Year 2020 Appropriation on October 10, 2019; and

WHEREAS, having held said hearing, the Board has determined the levy of said proposed millage to be in the best interests of the County.

THEREFORE, BE IT RESOLVED that the Board hereby approves the following millages to be levied throughout the County of Allegan in the year of 2020:

County Operating Tax	4.4925
Allocated – Veterans Relief Fund	<u>0.0200</u>
TOTAL COUNTY OPERATING	4.5125

COUNTY ROAD TAX	0.9857
SENIOR SERVICES	<u>0.4859</u>
TOTAL COUNTY MILLAGE	5.9841

FINALLY BE IT RESOLVED that the Board Chairperson and County Clerk are authorized to sign the necessary documents on behalf of the Board.

Moved by Commissioner Thiele, seconded by Commissioner Dugan to approve the resolution as presented. Motion carried by roll call vote. Yeas: 7 votes. Nays: 0 votes.

APPOINTMENTS: 911 POLICY & PROCEDURE BOARD

10/ Chairman Storey announced the appointment of the following individuals to the 911 Policy & Procedure Board to fill a 2-year term; term to expire 07/31/2022.

Brandon P. Weber, 1727 106th Ave, Otsego - East Side Fire Chief Rep.

Ron Horsting, 4264 46th St., Holland - West Side Fire Chief Rep.

Moved by Commissioner Dugan, seconded by Commissioner Kapenga to approve the appointments as made. Motion carried by roll call vote. Yeas: 7 votes. Nays: 0 votes.

PUBLIC PARTICIPATION - COMMENTS

11/ Chairman Storey opened the meeting to public participation and the following individuals offered comments:

1. Scott Beltman of 3110 130th Ave, Hopkins addressed the board on how to get the ATV/ORV ordinance on the Board of Commissioners agenda

ADJOURNMENT UNTIL JUNE 25, 2020 AT 1:00 P.M.

12/ Moved by Commissioner Kapenga, seconded by Commissioner Dugan to adjourn until June 25, 2020 at 1:00 P.M. The motion carried and the meeting was adjourned at 2:43 P.M.



Deputy Clerk

Board Chairperson

Minutes approved during the 00/00/2020 Session

2020 ANNUAL REPORT



ALLEGAN COUNTY PROBATE COURT



Hon. Michael L. Buck
Jonathan K. Blair
Amy Cornell
Jennifer Callaway
Jennifer White

Meet the Probate Staff



Honorable Michael L. Buck
Probate Judge



Amy Cornell
Judicial Secretary/Court Recorder



Jennifer White
Deputy Probate Register



Jennifer Callaway
Deputy Probate Register



Jonathan K. Blair
Probate Administrator

Mission Statement

The mission of the Allegan County Probate Court is to administer justice with fairness, equality, and integrity, to resolve matters before the court in a timely manner, and to provide courteous and prompt service in a manner that inspires trust and confidence.

Goals

- To process all matters within the time guidelines set by the State Court Administrative Office
- To ensure the compliance of Court-appointed fiduciaries with statutes and courts rules, in order to safeguard protected individuals and their property
- To efficiently process and adjudicate all matters before the Court
- To provide excellent customer service to all those with business before the Court

Probate Court Authority

Article VI Section 15 of the Michigan Constitution provides that “the jurisdiction, powers and duties of the probate court and of the judges thereof shall be provided by law.” Through the promulgation of the Estates and Protected Individuals Code (EPIC), the Mental Health Code, and other acts, the legislature has conferred jurisdiction to the Probate Court over:

- Decedent Estate Proceedings
- Civil Actions
- Trust Proceedings
- Minor Guardianship Proceedings
- Guardianships of Incapacitated Individuals
- Protective Orders
- Conservatorships
- Guardianships of Individuals with Developmental Disabilities
- Involuntary Commitments of Mentally Ill Persons
- Drain Appeals
- Delayed Registration of Foreign Births

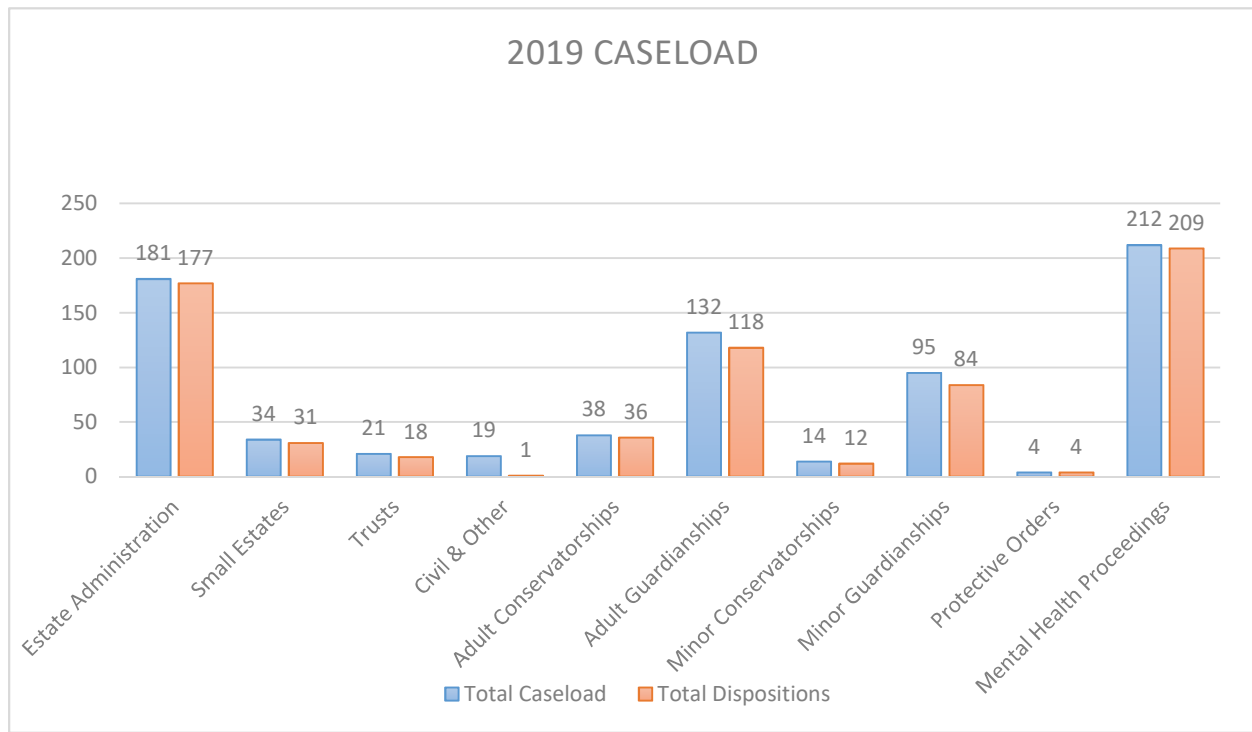
Changes at the Court



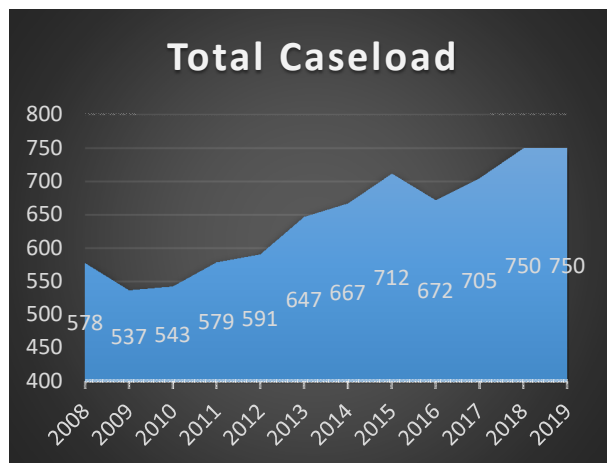
In November of 2019, Avery Rose left his position as Probate Administrator and Register to accept the Probate Administrator position for the Kent County Probate Court. Avery gave years of dedicated service to the Allegan Probate Court, Circuit Court, Family Court, and was an invaluable asset to the community as a whole. The Court is sincerely grateful for the years of service and incredible kindness Avery showed this community.

Avery was replaced by Jonathan K. Blair in November of 2019. At the time Jonathan was an assistant prosecutor with the Allegan Prosecutor's office, had previously owned his own practice, and had clerked for the 48th Circuit Court.

Probate Court Caseload



In 2019 there were a total of 750 new and pending cases handled by the Probate Court, the majority of which were comprised of decedents' estates (181), mental health proceedings (212), adult guardianships (132), and minor guardianships (95).



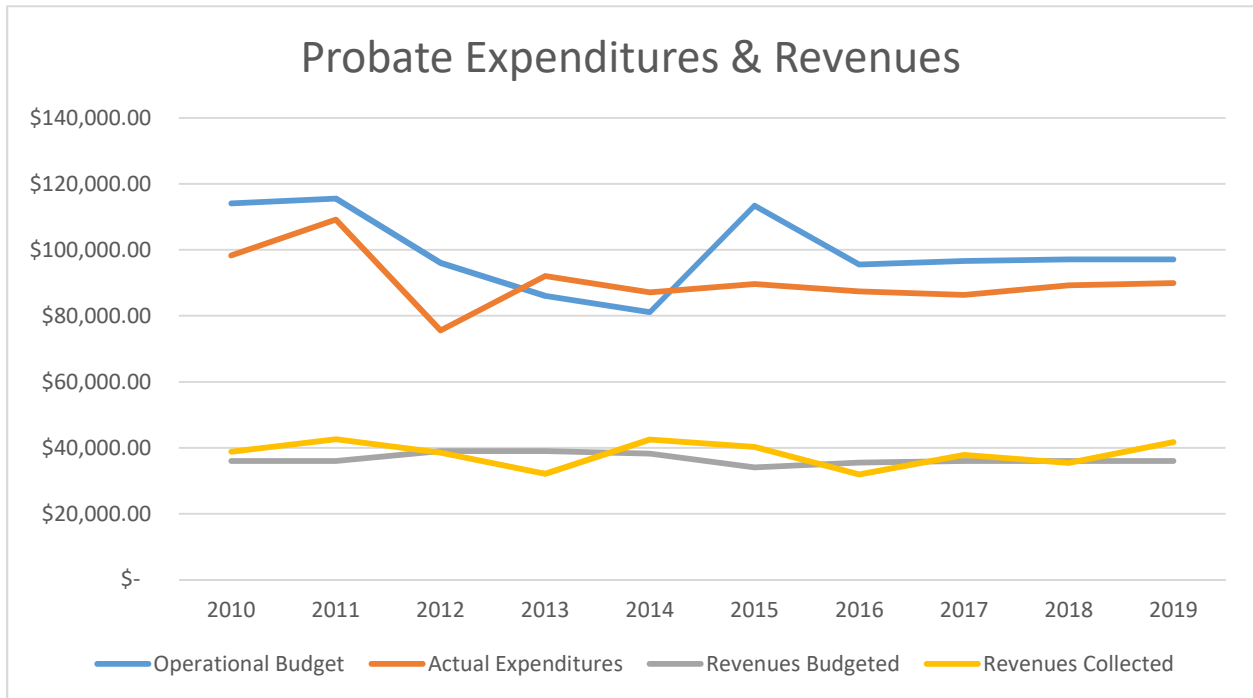
Caseload Trends

2018 and 2019 had the same case load numbers. In prior years, the caseload had been consistently rising (notwithstanding the decreases in overall caseload in 2009 and 2016). There were 578 new and pending cases handled by the Court in 2008 and 750 in 2018 and 2019, which represents a 30% increase in overall caseload. Most notably, since 2011 the number of adult guardianship cases handled by the Court has increased from 70

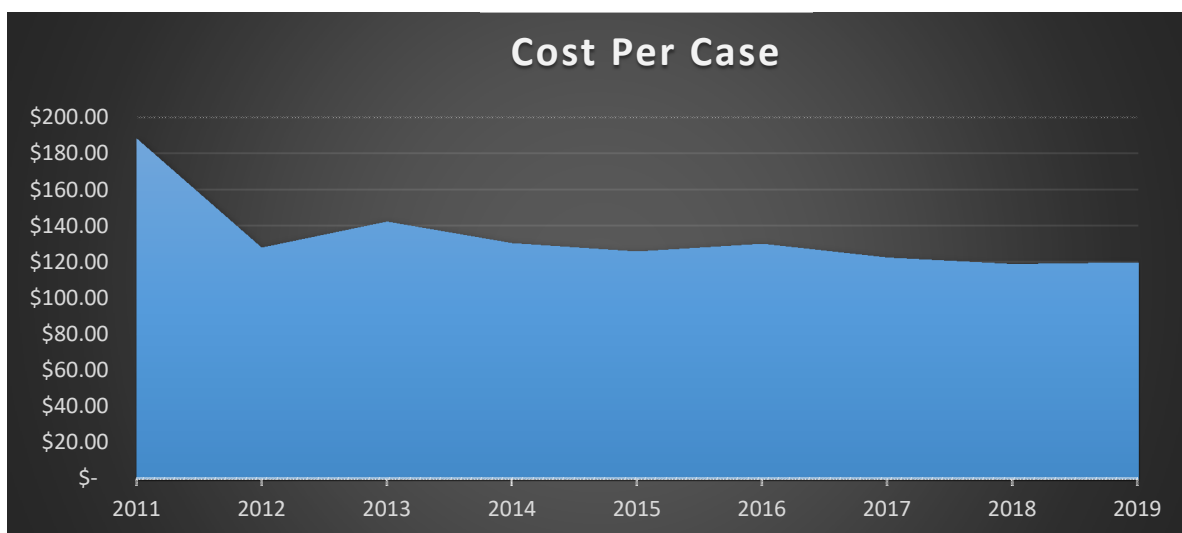
to 132, a 47% increase. During the same time new mental health filings have increased by 42%.

Expenditures

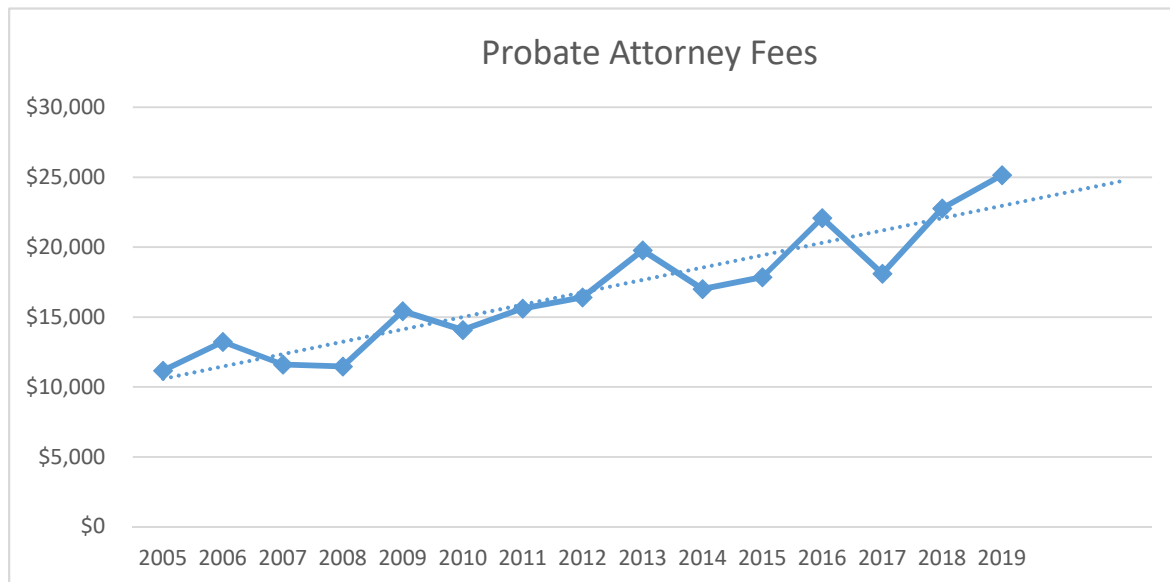
Below is a chart showing the allocated operational budget for the Probate Court, actual expenditures, revenues budgeted, and the actual revenues collected from 2010 to 2019. Since 2010, the Court was allocated an average annual operational budget of \$99,281. During that same period, the Court spent an average of \$90,481 per year.



During the same period, since 2010, the cost per case has decreased from \$181 per case to \$119.87 per case.



Attorney and GAL Fees



Attorney fees continue to be the single largest expenditure for the Court. In 2010 the Court expended \$14,068 on attorney and GAL fees. In 2019 that cost was \$25,154 – a 79% increase. However, the services provided by the GALs and attorneys are invaluable to the Court and public. The Court could not function without these individuals and often they provide necessary services to the community's most at-risk individuals. While the overall cost is high, the amount paid to each individual is relatively low.

Attorney Fee Recovery for Mental Health Proceedings

Last year the Court began utilizing a free online accounting tool geared toward small businesses called **Wave**. This website has assisted the Court in generating and tracking invoices for reimbursement of the attorney fees it pays in connection with mental health proceedings. The Court successfully collected a total of \$4,053.25 in 2018 and \$4,623.42 in 2019. However, for 2020 collections have slowed due to the COVID-19 Pandemic.

Revenues

Most of the Probate Court's revenues are dependent on filing fees and requests for copies, during the past five years the Court has collected an average of \$38,151.32 per year, and exceeded the average amount it has budgeted for revenue collection over that period of time, which was \$36,638.89.

PROBATE REVENUES						
Year	Misc Fees	Probate Court Fees	Petition Fee	Certified Copies	Budgeted	Amount Collected
2010	5,024.07	23,163.37	5,500.00	5,083.00	36,000.00	38,770.44
2011	4,335.29	27,996.60	5,357.40	4,924.00	36,000.00	42,613.29
2012	5,657.72	22,858.40	5,198.80	4,760.40	39,000.00	38,475.32
2013	708.52	21,061.18	4,916.04	5,419.60	39,000.00	32,105.34
2014	5,131.04	25,608.96	5,800.99	5,985.38	38,250.00	42,526.37
2015	1,438.00	28,021.11	5,910.60	4,864.35	34,000.00	40,234.06
2016	811.45	22,853.84	4,638.22	3,587.00	35,500.00	31,890.51
2017	338.18	27,412.05	5,195.45	4,833.75	36,000.00	37,779.43
2018	4,085.49	22,832.18	4,122.00	4,351.00	36,000.00	35,390.67
2019	7,893.42	24,805.65	4,358.20	4,670.50	36,000.00	41,727.77
Average	3,542.32	24,661.33	5,099.77	4,847.90	36,638.89	38,151.32

Court's professional guardian reimbursement program.

Since 2017 the Court and community have benefited from the funding the County provides for its professional guardian reimbursement program. This allows guardians to be reimbursed up for \$60 per month per ward for services provided. Without these services professional guardians (and thus any guardian) would be unavailable for a number of wards. In 2019 six guardian services were able to use the program to provide for 42 wards. This has increased to 45 in 2020.

Probate and the Pandemic

Although this report's focus is on 2019, it would be a disservice to the Court's staff not to address the 2020 COVID-19 Pandemic. Since the Pandemic struck, the Court has thankfully remained open for business. The Court has continued to manage an almost complete caseload with some minimal understandable delays.

The Court's continued operation is due to the dedication and work ethic of its staff. Staff has rotated at-home work with necessary in-office work while limiting exposure to other staff and the public. Thankfully all Probate Court staff have stayed healthy, but plans are in place for any eventuality. The flexibility and absolute commitment that the Probate staff has shown during these hard times is remarkable. The citizens of Allegan County benefit from their commitment.

2018 Public Satisfaction Survey

Every two years the Probate Court distributes a public satisfaction survey to the public, in coordination with the Circuit and District Courts. The survey is developed by the State Court Administrative Office, and assists the Probate Court in identifying its strengths, providing positive feedback to employees, and targeting areas for improvement.



In the Court's last survey, 100% of court users agreed or strongly agreed that they were treated with courtesy and respect by court staff. Court users also overwhelmingly indicated that they

were able to get their business done in a reasonable amount of time and that their cases were handled fairly.

Below are a sample of comments the Court received from members of the public in the 2018 public satisfaction survey:

“Very fast and efficient.”

– Family/friend of party to case

“Work well with Probate Judge & staff.”

– Agency Worker

“Fast and friendly.”

– Personal Representative of an Estate

The results of the survey, notes from the public and other feedback indicate that the Probate Court continues to maintain high levels of public satisfaction. The Court had planned to administer another public satisfaction survey in 2020, but the effects of the COVID-19 Pandemic have put these plans on hold.

Current Information and Key Contacts

Allegan County Probate Court

113 Chestnut Street
Allegan, MI 49010
Phone: (269) 673-0250
Fax: (269) 686-5157
<http://cms.allegancounty.org/sites/Office/Probate>

Hon. Michael L. Buck

Chief Probate Judge
mbuck@allegancounty.org
(269) 673-0532

Amy Cornell

Judicial Secretary/Court Recorder
acornell@allegancounty.org
(269) 673-0532

Jonathan K. Blair

Probate Register/Court Administrator
jblair@allegancounty.org
(269) 686-4633

Jennifer Callaway

Deputy Probate Register
jcallaway@allegancounty.org
(269) 686-4624

Jennifer White

Deputy Probate Register
jwhite@allegancounty.org
(269) 673-0250



S T A T E O F M I C H I G A N

BOARD OF COMMISSIONERS OF THE COUNTY OF ALLEGAN

FINANCE - CLAIMS & INTERFUND TRANSFERS

WHEREAS, Administration has compiled the following claims for 6/19/20 and 6/26/20; and

WHEREAS, the following claims, which are chargeable against the County, were audited in accordance with Section 46.61 to 46.63, inclusive, M.C.L. 1970 as amended and resolutions of the Board; and

WHEREAS, said claims are listed in the 2020 Claims folder of the Commissioners' Record of Claims.

June 19, 2020

	TOTAL AMOUNT CLAIMED	AMOUNT ALLOWED	AMOUNT DISALLOWED
General Fund - 1010	46,576.03	46,576.03	
Park/Recreation Funs - 2080	4,175.79	4,175.79	
Central Dispatch/E911 Fund - 2110	49,558.30	49,558.30	
Friend of Court Office - 2151	2,780.23	2,780.23	
Health Department Fund - 2210	749.03	749.03	
Solid Waste - 2211	44,922.95	44,922.95	
Transportation Grant - 2300	382,476.07	382,476.07	
Capital Improvement Fund - 2450	340,361.14	340,361.14	
Indigent Defense - 2600	44,624.76	44,624.76	
Grants - 2790	3,429.06	3,429.06	
Child Care-Circuit/Family - 2921	10,002.03	10,002.03	
Soldiers Relief Fund - 2930	2,805.46	2,805.46	
Senior Millage - 2950	476.69	476.69	
800 MHZ Radio Debt - 3603	638,121.39	638,121.39	
Otsego Water/Sewer Refunding Bond - 3669	250.00	250.00	
Self-Insurance Fund - 6770	15,282.74	15,282.74	
Drain Fund - 8010	11,319.76	11,319.76	
TOTAL AMOUNT OF CLAIMS	\$1,597,911.43	\$1,597,911.43	

June 26, 2020

THEREFORE BE IT RESOLVED that the Board of Commissioners adopts the report of claims for 6/19/20 and 6/26/20, and interfund transfers.

S T A T E O F M I C H I G A N

BOARD OF COMMISSIONERS OF THE COUNTY OF ALLEGAN

COURTHOUSE CONSTRUCTION DESIGN/RELEASE REQUEST FOR PROPOSAL

WHEREAS, on June 13, 2019, the Board of Commissioners (Board) authorized County Administration to engage the County's architectural and engineering firm (GMB) to design and provide cost estimates on various components of the Courthouse e.g. entrance, sally port; and

WHEREAS, on August 22, 2019, the Board authorized the County Administrator to proceed in the design of a central security entrance for the courthouse entitled "New Main Central Entry", additional holding cells and the improvement of existing holding cells to ensure appropriate security, separation and sanitary conditions and proceed with the design of a sally port located at the north side of the building of the courthouse; and

WHEREAS, on June 25, 2020, GMB (architect) presented design plans that would be used to release a request for proposal to complete the construction at the Courthouse as directed by the Board.

THEREFORE BE IT RESOLVED that the Board authorizes GMB to release a request for proposal under the direction of the County Administrator; and

BE IT FURTHER RESOLVED that the final award be brought back to the Board for approval.



ALLEGAN COUNTY REQUEST FOR ACTION FORM

Completed RFA form must be attached to a work order request through the Track-It System. If you have any questions regarding this process, please contact Administration @ ext. 2633.

RFA#: 192-205

Date: 6/10/20

Request Type	Routine Items	Select a Request Type to reveal and complete required form.
Department Requesting	Administration	
Submitted By	Steve Sedore	
Contact Information	ssedore@allegancounty.org	

Description

In accordance with the Courthouse Construction schedule, I would like to present the construction documents at the June 25 Board meeting to gain support by the Board for GMB to use these designs to release in an RFP for a construction company to bid.



ALLEGAN COUNTY COURTHOUSE CONSTRUCTION PROJECT

June 25, 2020



ALLEGAN COUNTY COURTHOUSE

June 13, 2019 Board Resolution:

- *Authorize Administration to engage the County's architectural and engineering firm (GMB) to design and cost estimate the following utilizing previous studies as well as the recent information sessions:*
 1. *An improved courthouse entrance / security solution,*
 2. *A sally port and holding cell(s) solution for the courthouse in a location best suited to meet the immediate needs of the building,*
 3. *Enhanced shared spaces e.g. conference/restrooms,*
 4. *A non-court services corridor option,*
 5. *An updated Courthouse Master Plan.*



ALLEGAN COUNTY COURTHOUSE

On August 22, 2019, the Board more specifically passed the following resolutions:

Resolution #1 "...Proceed in the design of a central security entrance for the courthouse entitled "New Main Central Entry" as presented within the GMB presentation."

- All options presented provide a new clear central entrance to the courthouse with necessary support spaces and circulation.

Resolution #2 "...Proceed with the design of a sally port located at the north side of the building of the courthouse."

- All options presented provide a new two vehicle sallyport located off of the NorthEast corner of the existing courthouse with two new holding cells and necessary circulation.

Resolution #3 "...Proceed with the design of additional holding cells and the improvement of existing holding cells to ensure appropriate security, separation and sanitary conditions."

- All options show interiors renovations that bring the existing holding cells up to current code and standards.



ALLEGAN COUNTY COURTHOUSE

VISION FOR EXISTING COURTHOUSE:

Building Entry

- Clear Common building central entry
- Clean efficient connection to the public corridor

Building Security

- Over watch station & entry security

Sally Port

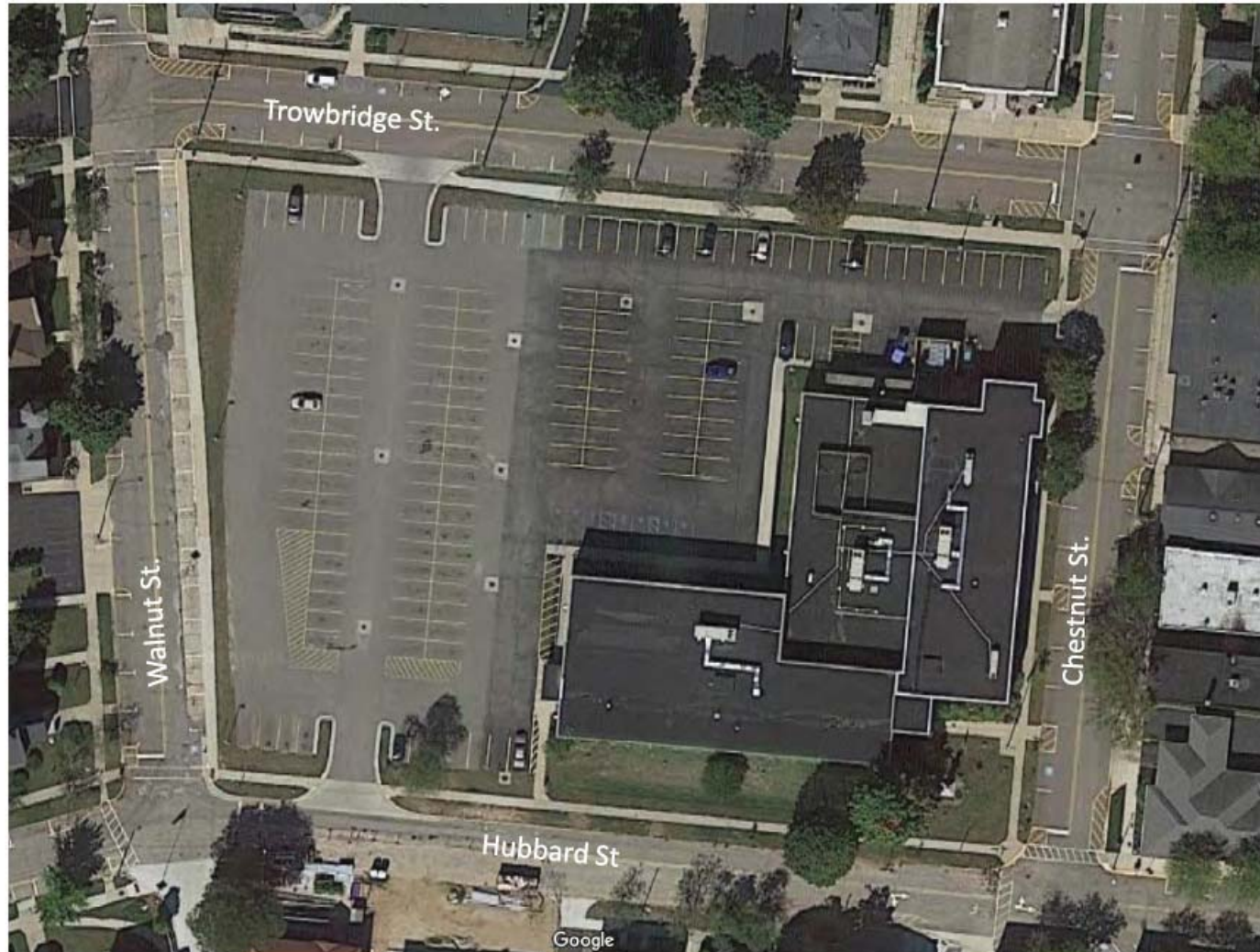
- Access to secure corridor

Holding Cells

- Improved holding cells
- Connection to secure corridor
- Access to Sally Port



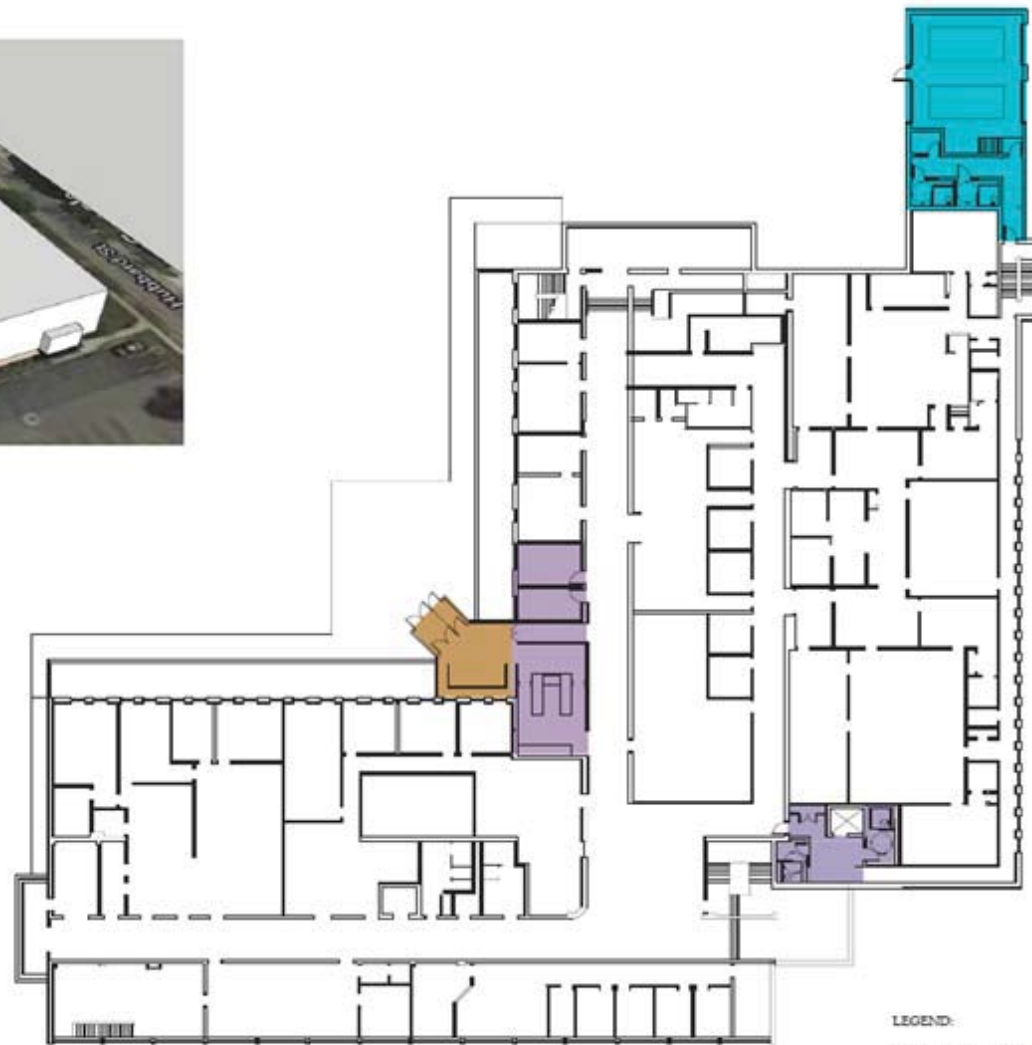
ALLEGAN COUNTY COURTHOUSE



03.12.2020
SITE PLAN



ALLEGAN COUNTY COURTHOUSE



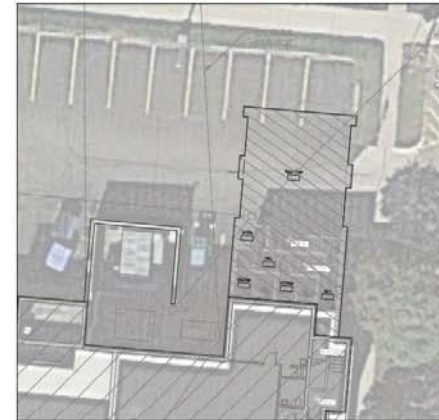
LEGEND:

- NEW CONSTRUCTION (ENTRY)
- NEW CONSTRUCTION (HALLWAYS)
- EXISTING (RENOVATION)

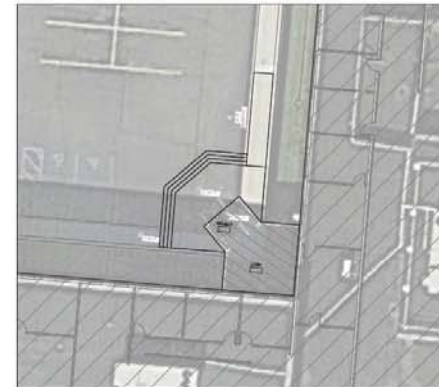


FLOOR PLAN

SITE PLAN



ENLARGED SALLY PORT PLAN
2020.11.10



ENLARGED ENTRY PLAN
2020.11.10

PERSPECTIVE RENDERING



PERSPECTIVE RENDERING



PERSPECTIVE RENDERING



PERSPECTIVE RENDERING



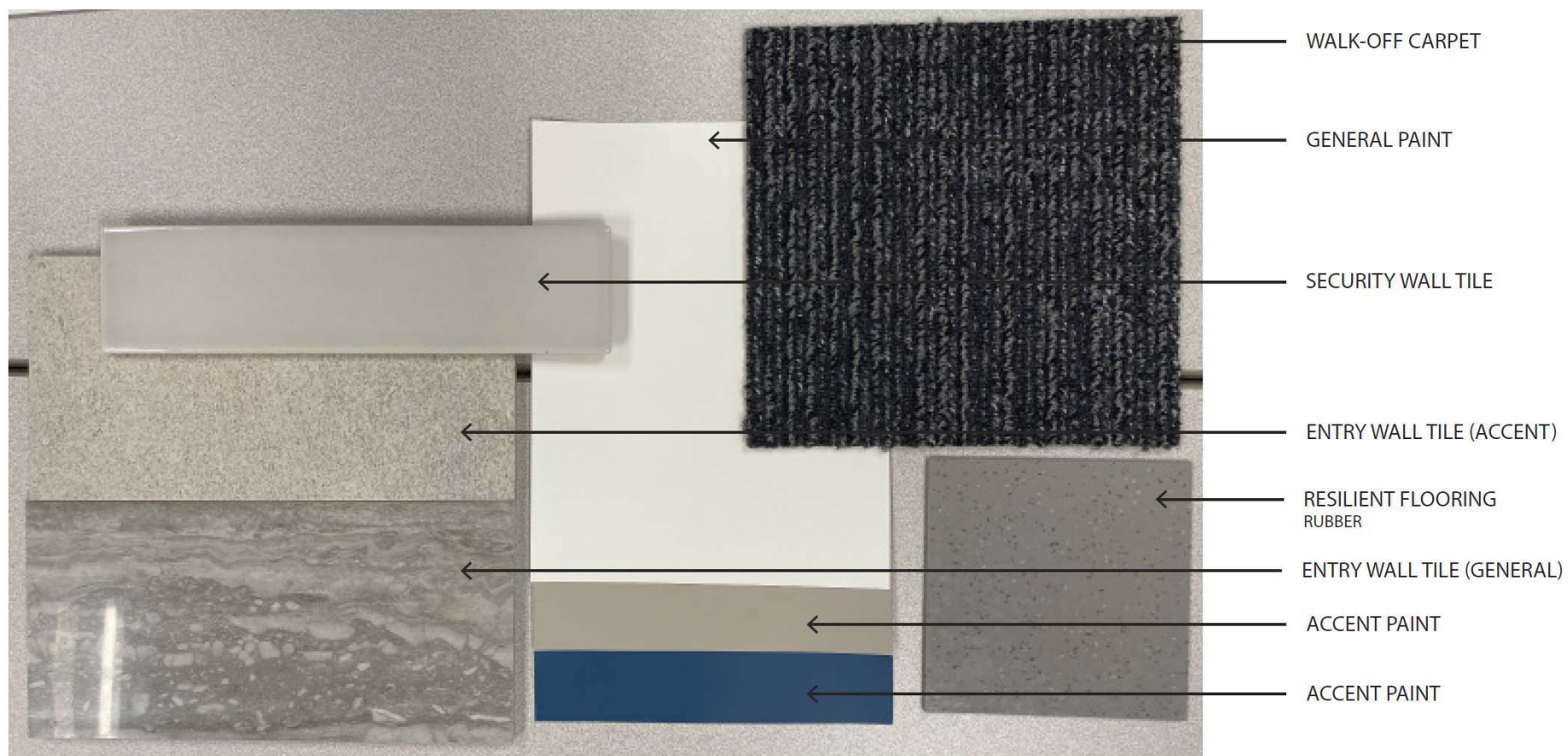
PERSPECTIVE RENDERING

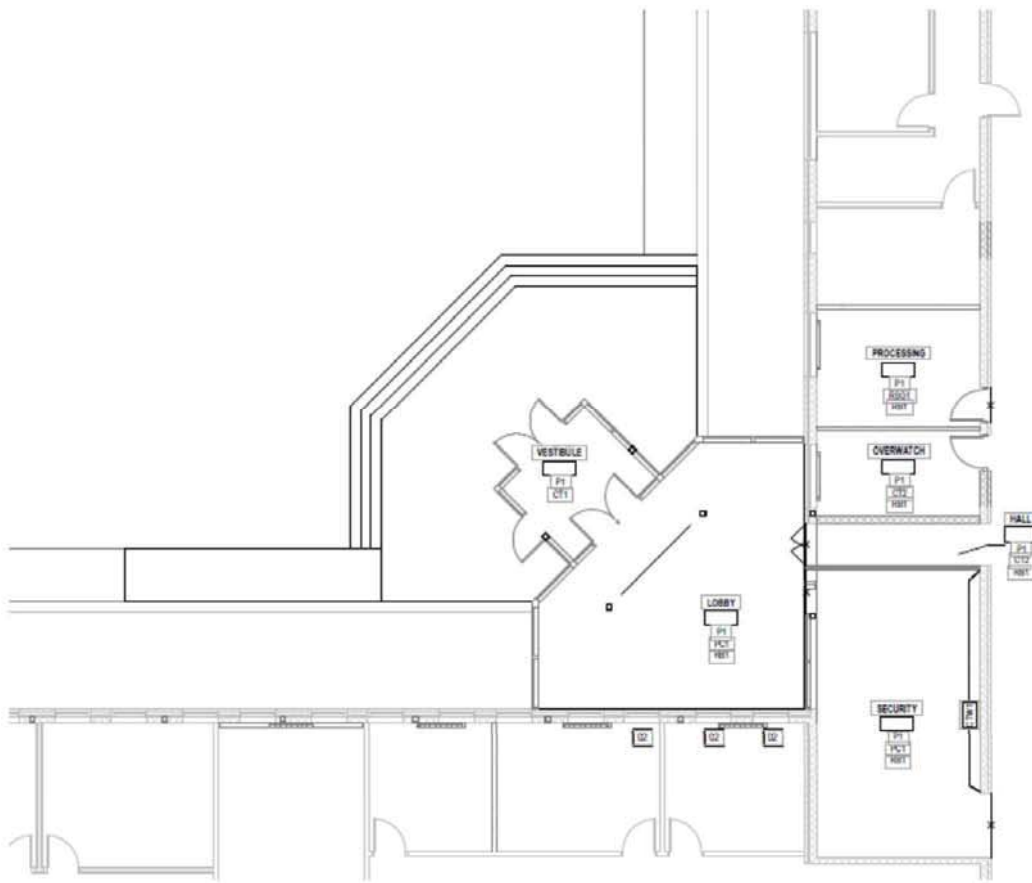


ALLEGAN COUNTY COURTHOUSE FINISHES

PERSPECTIVE RENDERING

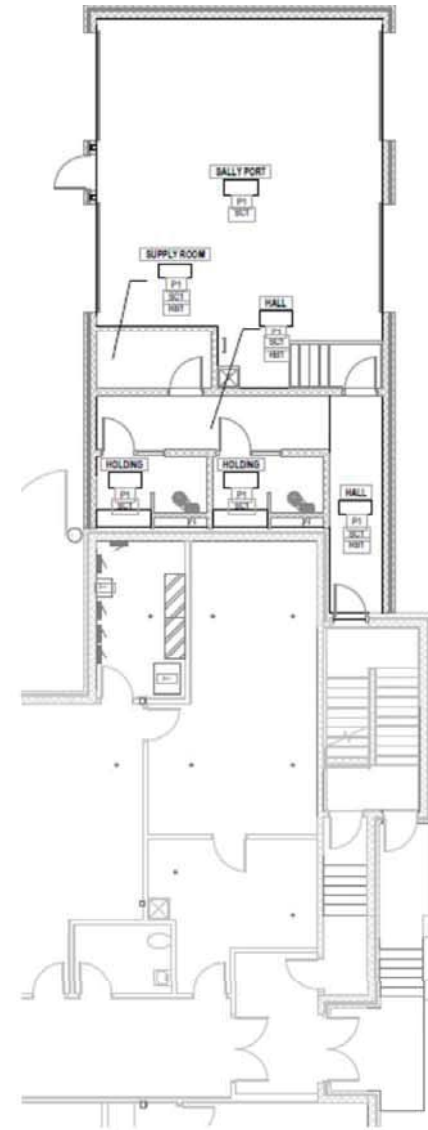






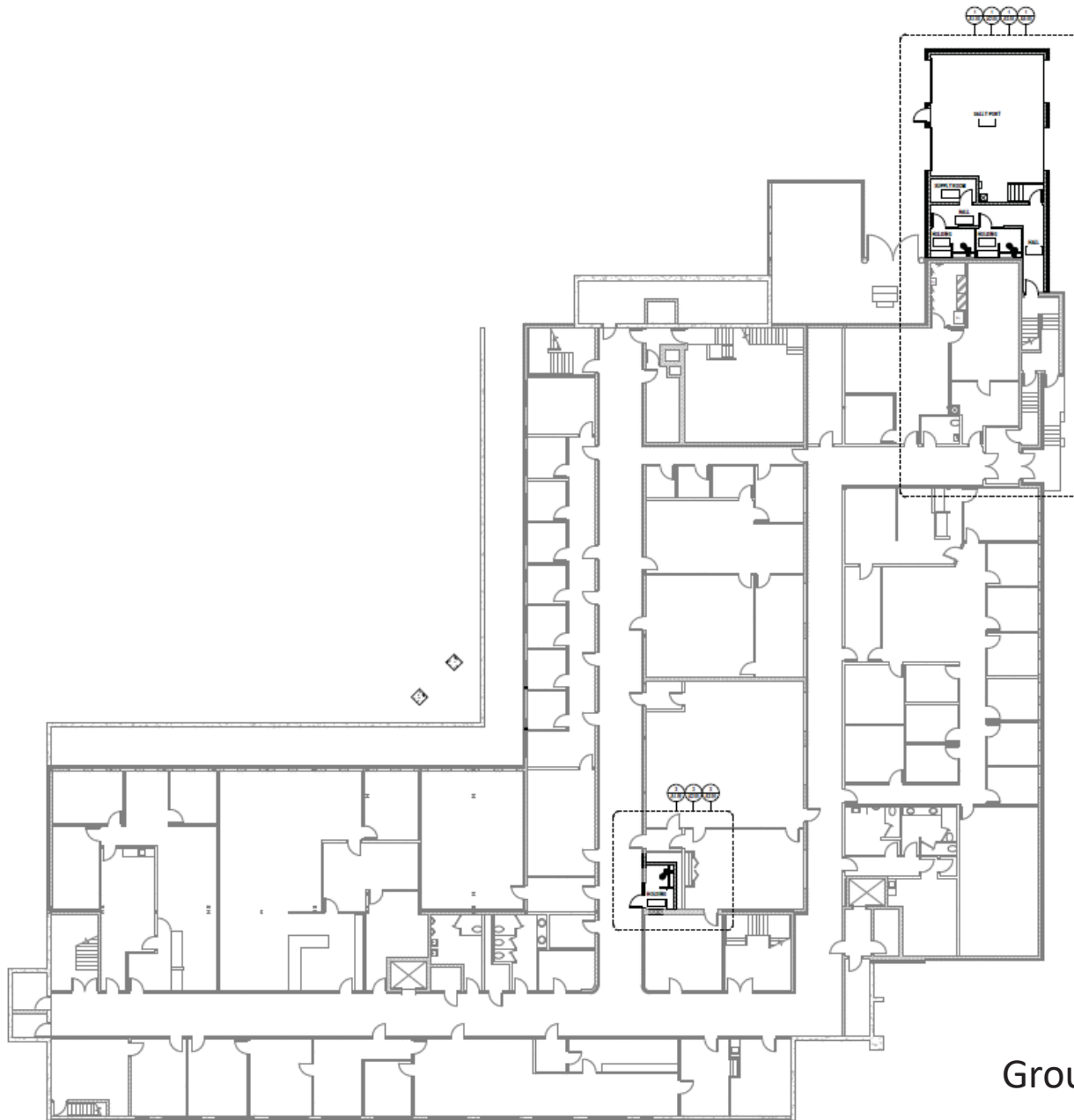
MAIN ENTRY ADDITION PARTIAL FLOOR FINISH PLAN

1/8" = 1'-0"

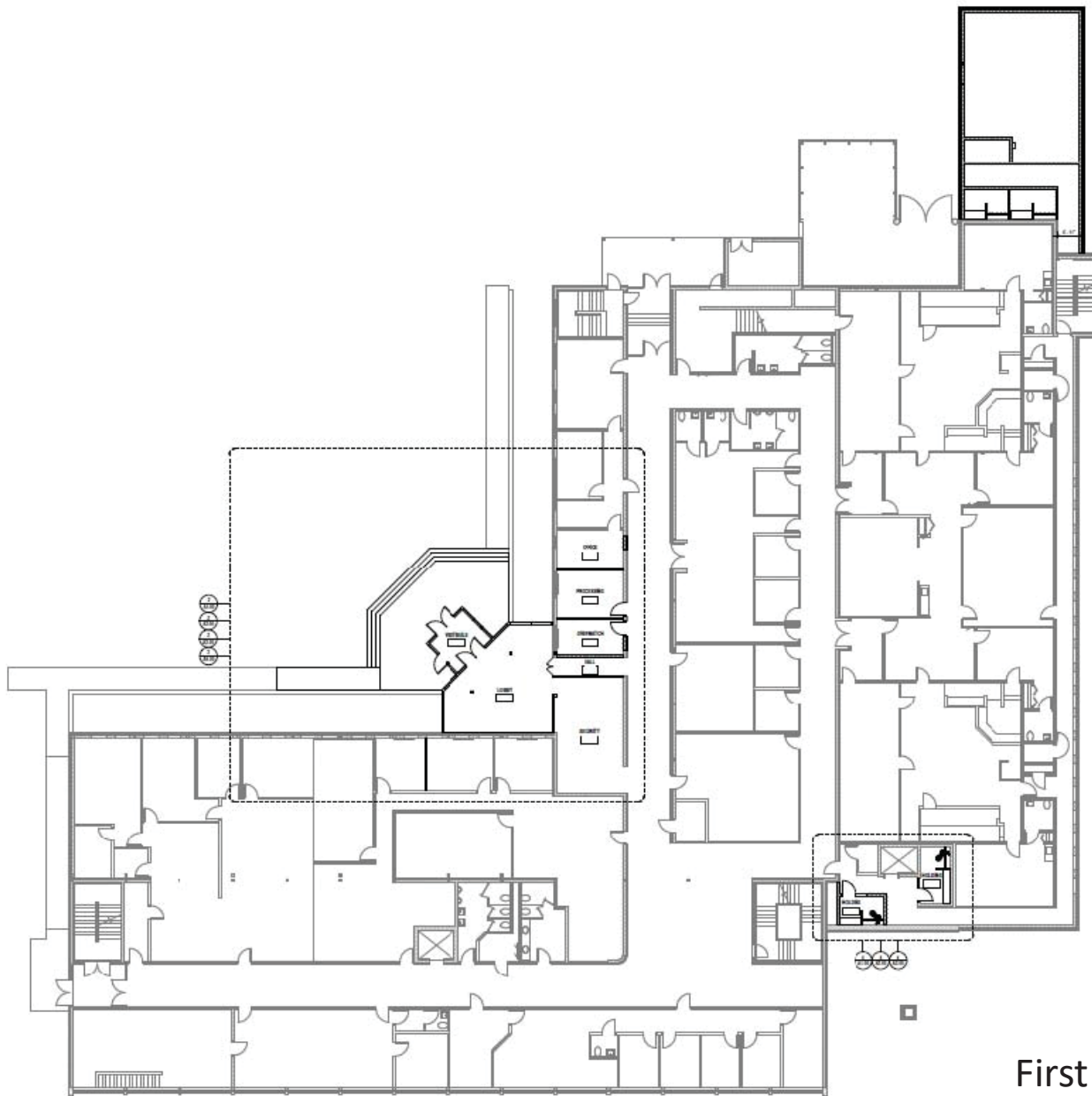


SALLY PORT ADDITION PARTIAL FLOOR FINISH PLAN

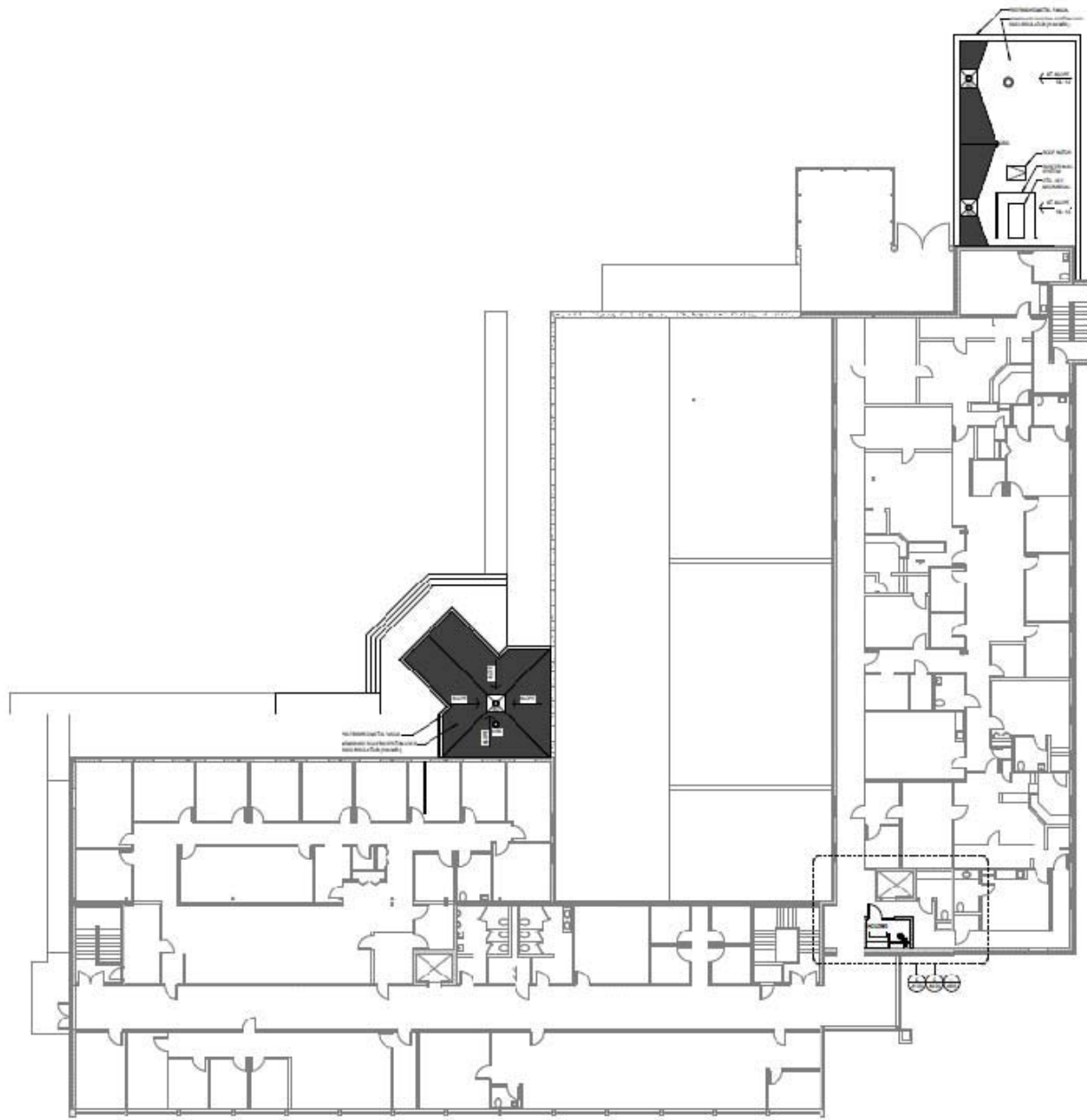
1/8" = 1'-0"



Ground Floor



First Floor



2nd Floor



OVERALL SECOND FLOOR PLAN
Scale: 1/4" = 1'-0"

GMB Opinion of Probable Cost from March 2020

- 2020 Capital Allocation was set at \$1,000,000 -

March	Entry	Sally Port & Holding Cells	Holding Cells
Size (sqft)	Renovation = 853 sqft Construction = 427 sqft	Construction = 1,400 sqft	Renovation = 530 sqft
Cost	\$411,000	\$335,500	\$85,500
TOTAL	\$832,000 (didn't include contingency, permits or bonds ~ \$941,500)		

Independent Construction Company Estimate

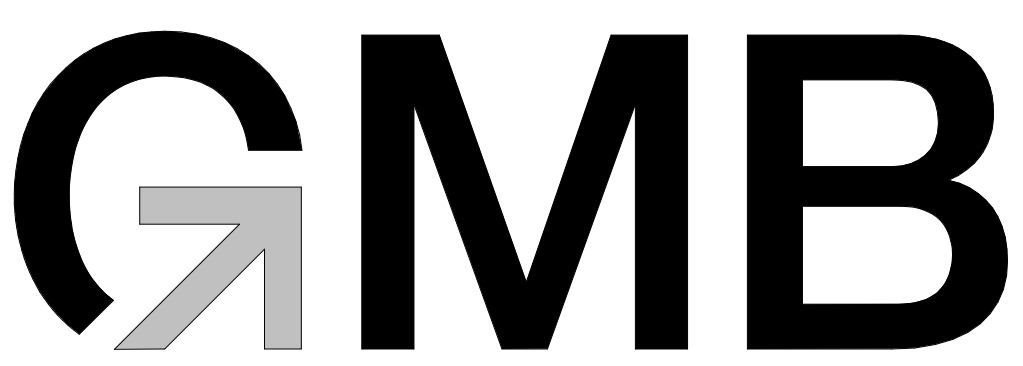
June	Entry	Sally Port & Holding Cells	Holding Cells
Size (sqft)	Renovation = 823 sqft Construction = 650 sqft	Construction = 1,476 sqft	Renovation = 530 sqft
Cost	Construction = \$484,618 Permits & Bonds = \$6,000 <u>Contingency = \$40,000</u> \$530,618	Construction = \$518,770 Permits & Bonds = \$6,400 <u>Contingency = \$40,000</u> \$565,170	Construction = \$159,625 Permits & Bonds = \$2,100 <u>Contingency = \$15,000</u> \$176,725
TOTAL	\$1,272,513 (estimate)		



GMBae
ARCHITECTURE + ENGINEERING

ALLEGAN COUNTY COURTHOUSE ADDITIONS & RENOVATIONS

ALLEGAN COUNTY



113 CHESTNUT STREET
ALLEGAN, MICHIGAN

SCHEMATIC DESIGN
04.24.2020
GMB Project # 5-5140

GENERAL INFORMATION
G0.01 GENERAL NOTES DIMENSIONS AND LEGENDS

STRUCTURAL
S0.01 STRUCTURAL GENERAL INFORMATION
S0.02 STRUCTURAL SCHEDULES
S2.1 FOUNDATION PLANS
S3.1 FLOOR FRAMING & LINTEL PLAN
S3.2 ROOF FRAMING PLANS

ARCHITECTURAL
A0.00 OVERALL LOWER LEVEL FLOOR PLAN
A0.01 OVERALL FIRST FLOOR PLAN
A0.02 OVERALL SECOND FLOOR PLAN
A1.00 PARTIAL DEMOLITION PLANS
A2.00 PARTIAL FLOOR PLANS
A3.00 PARTIAL REFLECTED CEILING PLANS
A4.01 EXTERIOR ELEVATION
A6.01 BUILDING SECTIONS
A9.00 PARTIAL FLOOR FINISH PLAN

FIRE PROTECTION
FP0.01 FIRE PROTECTION GENERAL INFORMATION & DETAILS
FP1.01 OVERALL FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
FP1.02 OVERALL SECOND FLOOR FIRE PROTECTION DEMOLITION PLAN
FP2.01 OVERALL FIRST FLOOR FIRE PROTECTION PLAN
FP2.02 OVERALL SECOND FLOOR FIRE PROTECTION PLAN
FP5.01 PARTIAL ENLARGED FIRE PROTECTION DEMOLITION PLANS

PLUMBING
P0.01 PLUMBING GENERAL INFORMATION & DETAILS
P2.01 OVERALL FIRST FLOOR PLUMBING PLAN
P2.02 OVERALL SECOND FLOOR PLUMBING PLAN

MECHANICAL
M0.01 MECHANICAL GENERAL INFORMATION
M1.01 OVERALL FIRST FLOOR MECHANICAL DEMOLITION PLAN
M1.02 OVERALL SECOND FLOOR MECHANICAL DEMOLITION
M2.01 OVERALL FIRST FLOOR MECHANICAL PLAN
M2.02 OVERALL SECOND FLOOR MECHANICAL PLAN
M5.01 PARTIAL ENLARGED MECHANICAL DEMOLITION PLANS
M5.02 PARTIAL ENLARGED MECHANICAL PLANS
M7.01 MECHANICAL DETAILS

VICINITY MAP



OWNER

ALLEGAN COUNTY
113 Chestnut Street, Allegan, Michigan, 49010
P. 269.673.0205 www.allegancounty.org

ARCHITECT + ENGINEER

GMB ARCHITECTURE + ENGINEERING
85 East Eighth Street, Suite 200, Holland, MI 49423
P. 616.796.0200 F. 616.796.0201 www.gmb.com



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GENERAL FLOOR PLAN NOTES

- DIMENSIONS GIVEN ARE TO THE FACE OF MASONRY UNITS OR TO THE FINISHED FACE OF METAL STUD PARTITION WALLS.
- REFERENCE STRUCTURAL DRAWINGS FOR CONCRETE SLAB SIZES AND SLAB RELATED INFORMATION.
- INTERIOR STUD WALLS ARE TO USE 3/8" METAL STUD FRAMING UNLESS OTHERWISE NOTED.
- TURN UP VAPOR RETARDER MATERIAL AT JOINTS BETWEEN FLOOR SLAB AND FOUNDATION WALL UNLESS NOTED OTHERWISE.
- SEE FOUNDATION PLANS FOR FLOOR SLAB RECESSES FOR TILE, WOOD FLOOR, ETC. (VERIFY REQUIRED BY MFR.)
- EXTEND ALL INTERIOR WALL PARTITIONS (MASONRY OR STUDS) TO BOTTOM OF DECK ABOVE UNLESS NOTED OTHERWISE.
- REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ITEMS NOT SHOWN. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY CABINETRY, FRAMES, STRUCTURAL ITEMS, ETC.
- PROVIDE PAINTED ACCESS PANELS IN WALLS AND CEILINGS TO PROVIDE ACCESS TO CONCEALED ITEMS INCLUDING BUT NOT LIMITED TO VALVES, CONTROLS, MECH. EQUIPMENT ETC. ACCESS PANELS MAY NOT ALWAYS BE SHOWN ON PLANS. IT IS THE SUB CONTRACTOR RESPONSIBILITY TO DETERMINE LOCATIONS. COORDINATE LOCATIONS WITH OTHER GENERAL CONTRACTOR / SITE SUPERVISOR.
- COORDINATE WALLS WITH COLUMNS AND OTHER ENCASED ITEMS. COLUMNS ARE TO BE CONTAINED WITHIN WALLS. THE FRAMING CONTRACTOR SHALL INCREASE FRAMING SIZE TO ACCOMMODATE COLUMNS, DRAIN LEADERS, PIPING, ELECTRICAL PANELS, ETC. WHERE WALLS REQUIRE EXTRA WIDTH THE ENTIRE WALL SHALL BE WIDENED UNLESS APPROVED BY ARCHITECT.
- ALL GIRDERS AND HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE 2015 M.B.C. AND ICC A117.1 2009 & AMERICANS WITH DISABILITIES ACT GUIDELINES. THE MOST STRINGENT SHALL PREVAIL.
- PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER DETAILS. SEE 00.01 FOR REQUIREMENTS.
- FOR ALL CABINETRY, SEE INTERIOR ELEVATIONS FOR LAYOUTS. FIELD VERIFY CLEAR WIDTHS PRIOR TO FABRICATION.
- ALL EXTERIOR BLOCK CORNERS ARE TO BE BULLNOSE BLOCK EXCEPT CONCRETE BLOCK COLUMNS, PIERS AND WALLS TO RECEIVE TILE. UNLESS NOTED OTHERWISE.
- CONTRACTOR TO MAINTAIN / REPAIR RATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION / NEW CONSTRUCTION. TYPICAL THROUGHOUT.
- SEAL ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS WITH APPROVED FIRESTOPPING.
- WHERE SPECIALTY BLOCK IS REQUIRED AT THE SAME HEIGHT ON BOTH SIDES OF A WALL USE (2) SPECIALTY BLOCKS BACK TO BACK TO MAINTAIN THE FINISHED WALL APPEARANCE BOTH SIDES OF THE WALL. COORDINATE WITH STRUCTURE FOR UNFIRE CONDITIONS PER SPECIFICATIONS.
- WALLS TO BE PATCHED WITH LIKE MATERIALS WHERE EXISTING WALLS HAVE BEEN COMPROMISED FROM DEMOLITION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL AND REINSTALLATION OF CASEWORK AND WALL MOUNTED EQUIPMENT IN ORDER TO ACHIEVE SAID PATCH. IN AREAS WHERE BLOCK OR BRICK HAVE BEEN USED, NEW MASONRY TO BE TOOTHED IN AND MATCH EXISTING. AREAS AND FINISHES IN QUESTION SHALL BE COORDINATED WITH ARCHITECT.
- SEE STRUCTURAL FRAMING PLANS FOR ADDITIONAL WALL REINFORCING REQUIREMENTS. MINIMUM REINFORCING (FOR ALL WALLS NOT OTHERWISE NOTED ON STRUCTURAL PLANS):
 - ALL BEARING WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5/8.
 - ALL EXTERIOR WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5/8.
 - ALL INTERIOR NON-BEARING WALLS OVER 10' 0" HIGH SHALL RECEIVE A MINIMUM REINFORCING OF R1-5/8.

GENERAL PROJECT NOTES:

- FINISH FLOOR ELEVATION + XXX.XX = 100'-0".
- DRAWINGS ARE NOT TO BE SCALED WHEN A DIMENSION IS IN QUESTION. VERIFY W/ ARCHITECT.
- DETAILS SHOWN BUT NOT CALLED OUT STILL APPLY, UNLESS OTHERWISE NOTED.
- GENERAL TRADE CONTRACTOR SHALL COORDINATE ALL TRADES INCLUDING OWNER FURNISHED EQUIPMENT, INCLUDING DIMENSIONS OF SUCH AS THEY RELATE TO HISHER OWN WORK.
- ALL EXPOSED SURFACES SHALL BE FINISHED. CONTACT ARCHITECT FOR DIRECTION IF FINISH IS NOT LISTED.
- NO UTILITIES INCLUDING BUT NOT LIMITED TO, PIPING AND CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY ARCHITECT.
- GYPSUM BOARD WALLS AND BULKHEADS SHALL HAVE CONTROL JOINTS AT A 20'-0" O.C. MAXIMUM AND AS SHOWN ON DRAWINGS.
- ANY CONTRACTOR IS TO STOP WORK IMMEDIATELY IN AREA IF ABATEMENT MATERIAL(S) ARE ENCOUNTERED. NOTIFY GENERAL CONTRACTOR OF SUSPECTED AREA SO PROPER ABATEMENT CAN BE DONE. (UNDER A SEPARATE ABATEMENT CONTRACT AS NEGOTIATED BY OWNER.)
- AT ALL AREAS OF WORK WHERE EXISTING MASONRY BLOCK AND BRICK WALLS ARE BEING MODIFIED OR CONNECTED TO NEW MASONRY AND/OR BRICK MUST BE TOOTHED, UNLESS NOTED OTHERWISE ON DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES PRIOR TO EXCAVATION, TRENCHING, ETC. AND SHALL REPAIR OR REPLACE ANY DAMAGED UTILITIES AS A RESULT OF CONSTRUCTION.
- ALL TRADES ARE TO COORDINATE ANY DEMOLITION, CAPPING OR ABANDONMENT OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL ITEMS.
- ANY DEMOLITION OR CONSTRUCTION WHICH DAMAGES ADJACENT SURFACES IS TO BE REPAIRED TO MATCH THE EXISTING SURFACE DAMAGED MATERIALS & FINISHES) AND ALL REPAIR WORK IS TO BE COORDINATED WITH NEW CONSTRUCTION.
- CONTRACTOR IS TO PROVIDE TEMPORARY SHORING AND BRACING FOR EXISTING ROOF/FLOOR STRUCTURE AS REQUIRED UNTIL PERMANENT WALLS & LINTELS ARE INSTALLED.
- SITE SECURITY AND SAFETY ARE THE CONTRACTORS RESPONSIBILITY. SITE SHALL BE SECURED FENCED IF REQUIRED BY CONTRACTOR.
- ALL ITEMS TO BE SAVED AND/OR RELOCATED ARE TO BE STORED IN A PROPER MANNER SO NO DAMAGE WILL OCCUR TO THESE ITEMS DURING THEIR STORAGE PERIOD.
- ALL CONSTRUCTION AND MATERIALS ARE TO BE INSTALLED BY THE MANUFACTURERS SPECIFICATIONS AND/OR RECOMMENDATIONS UNLESS DIRECTED OTHERWISE BY ARCHITECT.
- SEE SPECIFICATIONS FOR STEEL LINTEL SIZES FOR WALL OPENINGS NOT DETAILED (e.g. HVAC DUCTS, ETC.).
- REFER TO GENERAL INFORMATION SHEET G0.01 FOR TYPICAL BARRIER FREE AND ACCESSIBLE DIMENSIONS.
- SEE FLOOR PLANS FOR WALL REINFORCING REQUIRED. (SEE WALL REINFORCING SCHEDULE)
- FURNISH & INSTALL 2x12 HORIZONTAL WOOD BLOCKING BETWEEN STUDS WHERE REQUIRED FOR MOUNTING OF UPPER CABINETS, GRAB BARS OR OTHER EQUIPMENT AS REQUIRED FOR PROPER SUPPORT.
- COORDINATE ALL CONSTRUCTION PRACTICE TOLERANCES WITH OTHER TRADES WHOSE WORK MAY BE AFFECTED, DIRECTLY OR INDIRECTLY, WITH YOUR SPECIFIC TRADE. IN ALL CASES, THE MOST STRINGENT TOLERANCE SHALL APPLY AND SHALL BE COORDINATED THRU THE GENERAL CONTRACTOR, JOB SUPERINTENDENT AND/OR CONSTRUCTION MANAGER AND FIELD OBSERVATION PERSON AS APPLICABLE.
- REFER TO FLOOR PLANS, SCHEDULES AND EXTERIOR ELEVATIONS FOR WINDOW FRAME TYPES.
- REFER TO FLOOR PLANS, SCHEDULES AND INTERIOR ELEVATIONS FOR BORROWED FRAME TYPES.
- AT MASONRY CAVITY WALL LOCATION, PROVIDE APPROPRIATE SEPARATION IN REGARDS TO INTERIOR AIR EXFILTRATION AND EXTERIOR AIR AND WATER INFILTRATION THRU WALL. PROVIDE NECESSARY AIR AND WATER BARRIERS REQUIRED, INCLUDING DAMS, TO PREVENT WALL LEAKAGE.

CODE NOTES:

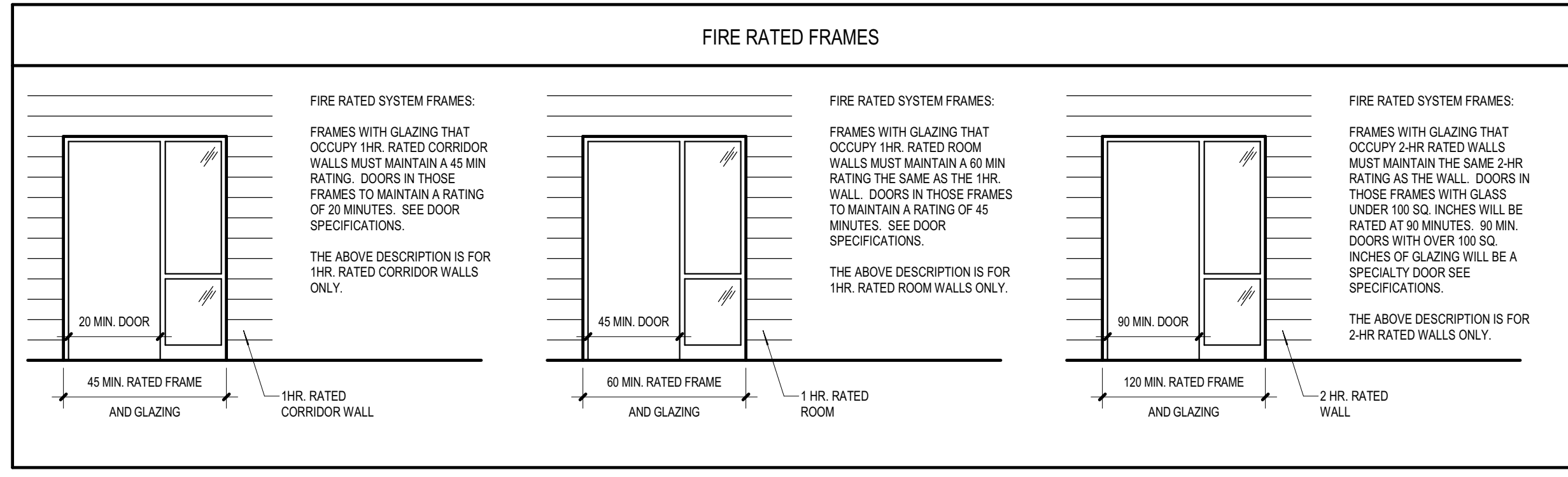
- FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF VERTICAL CONSTRUCTION.
- FIRE STOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT THE CEILING, FLOOR, AND ROOF LEVELS.
- INSTALL SOLID BLOCK BEHIND ALL RECESSED WALL UNITS AS REQUIRED TO MAINTAIN FIRE RATINGS.
- ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS SHALL BE IDENTIFIED WITH STENCILING AT INTERVALS NOT TO EXCEED 30'. REFER TO CODE PLAN FOR WALLS REQUIRED TO BE PROTECTED.
- ALL PENETRATIONS AT SMOKE AND FIRE RATED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PROTECTED, SEALED OR DAMPERED USING ONLY U.L. AND / OR I.C.B.O. APPROVED METHODS, MATERIALS AND INSTALLATION.
- SEE REFLECTED CEILING PLANS AND LIGHTING PLANS FOR EXIT SIGNAGE LOCATIONS.
- ALL EXITS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR SPECIAL KNOWLEDGE.
- PANIC HARDWARE TO BE PROVIDED AT EACH EXIT DOOR FROM ROOMS WITH AN OCCUPANT LOAD 50 OR MORE INCLUDING MAIN CORRIDOR EXIT DOORS.
- ALL ELEVATORS SHALL COMPLY WITH A.D.A., A.D.A.G.G. AND A.N.S.I. REQUIREMENTS.
- SPECIAL STRUCTURAL INSPECTIONS ARE REQUIRED. REVIEW GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS.
- FIRE SPRINKLERS AND FIRE ALARM SYSTEM SHALL BE PROVIDED PER NFPA NO. 13, 70 & 72. SUBMIT ALL REQUIRED DRAWING AND INFORMATION TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY RELATED WORK. OBTAIN APPROVAL OF COMPLETED SYSTEMS PRIOR TO FINAL ACCEPTANCE.

ACCESSIBILITY NOTES:

- PUBLIC ENTRANCES: AT LEAST 60% SHALL BE ACCESSIBLE.
- ACCESSIBLE ENTRANCES TO THE BUILDING SHALL BE IDENTIFIED BY THE INTERNATIONAL SIGN OF ACCESSIBILITY.
- AN ACCESSIBLE ROUTE OF NOT LESS THAN 3 FT. WIDE MUST BE PROVIDED TO ALL PORTIONS OF THE BUILDING AND BETWEEN THE BUILDING AND THE PUBLIC WAY. ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM SLOPE OF 1:20 AND A MAXIMUM CROSS SLOPE OF 1:50.
- ACCESSIBLE ROUTE SHALL BE WITHOUT STEPS OR CHANGES IN LEVEL GREATER THAN 1/2" WITHOUT AN APPROVED RAMP.
- ACCESSIBLE RAMP THAT ARE REQUIRED BY ANS A 117.1 SHALL NOT HAVE A SLOPE THAT EXCEEDS 1FT. IN 12 FEET. RAMPS AND GROUND SURFACES SHALL BE OF A SLIP RESISTANT SURFACE.
- THRESHOLDS MUST BE 1/2" OR LESS IN HEIGHT.
- ALL ACCESSIBLE PARKING SPACES MUST HAVE A SIGN THAT INCLUDES THE INTERNATIONAL SIGN OF ACCESSIBILITY. PARKING SPACE WILL BE OUTLINED IN A CONTRASTING COLOR WITH THE INTERNATIONAL SIGN OF ACCESSIBILITY PAINTED IN THE CENTER.
- ALL ALARMS TO MEET ACCESSIBILITY REQUIREMENTS.

STRUCTURAL NOTES:

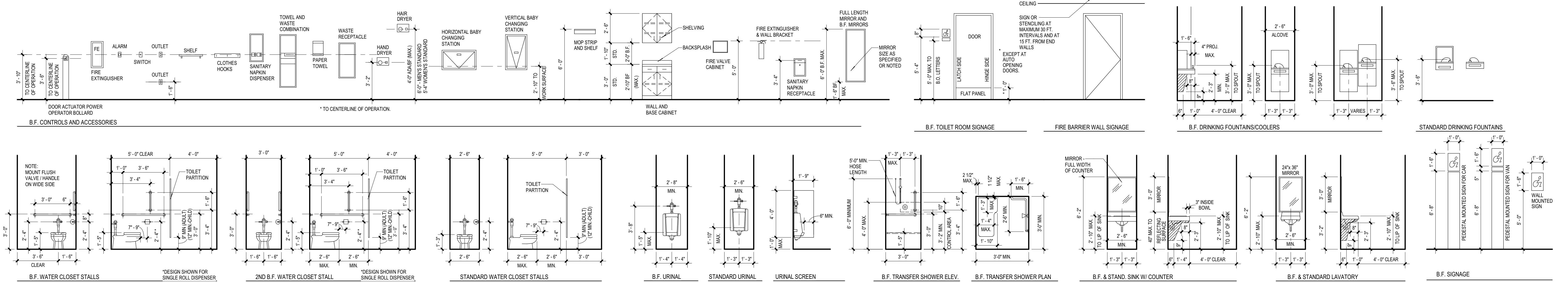
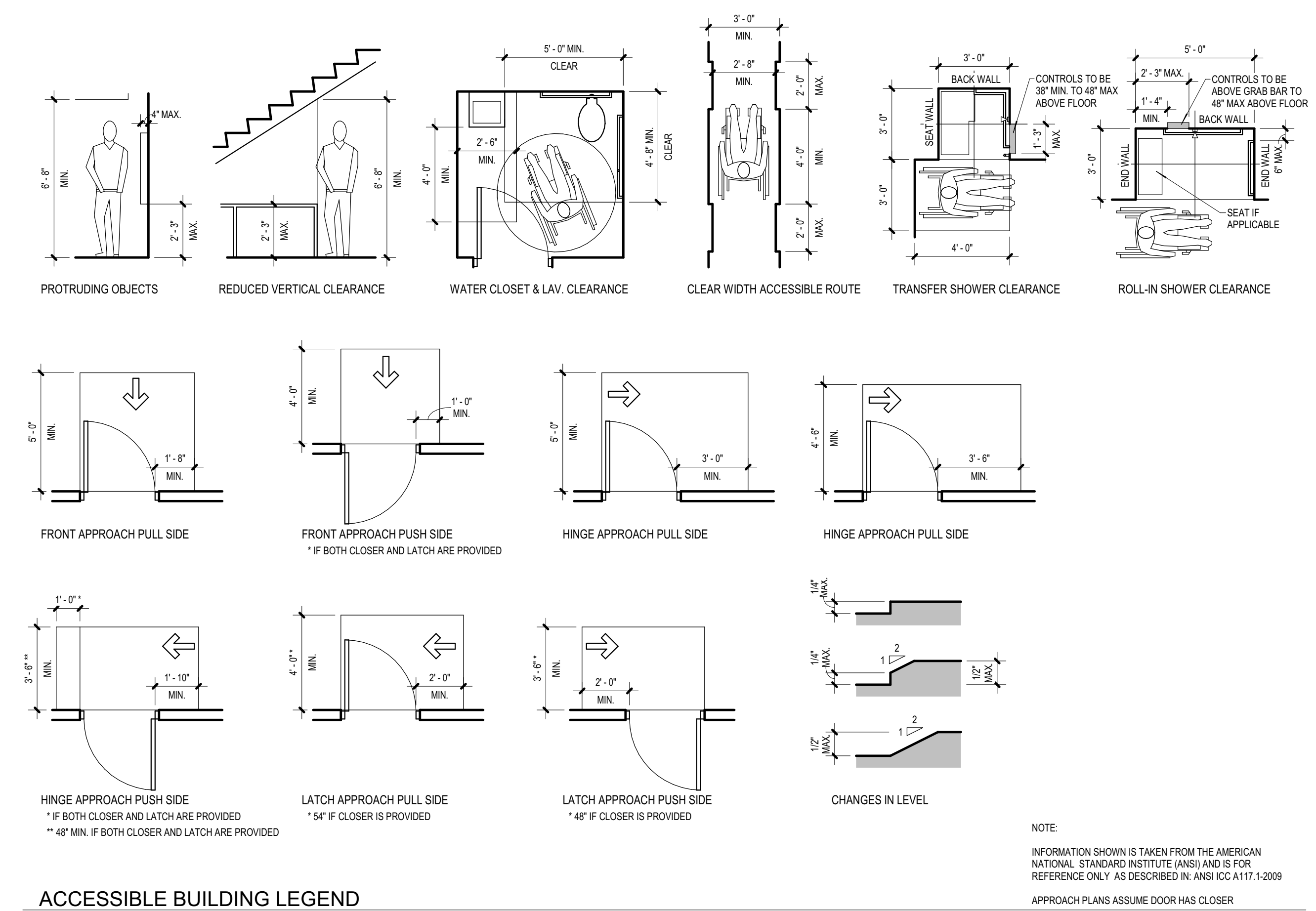
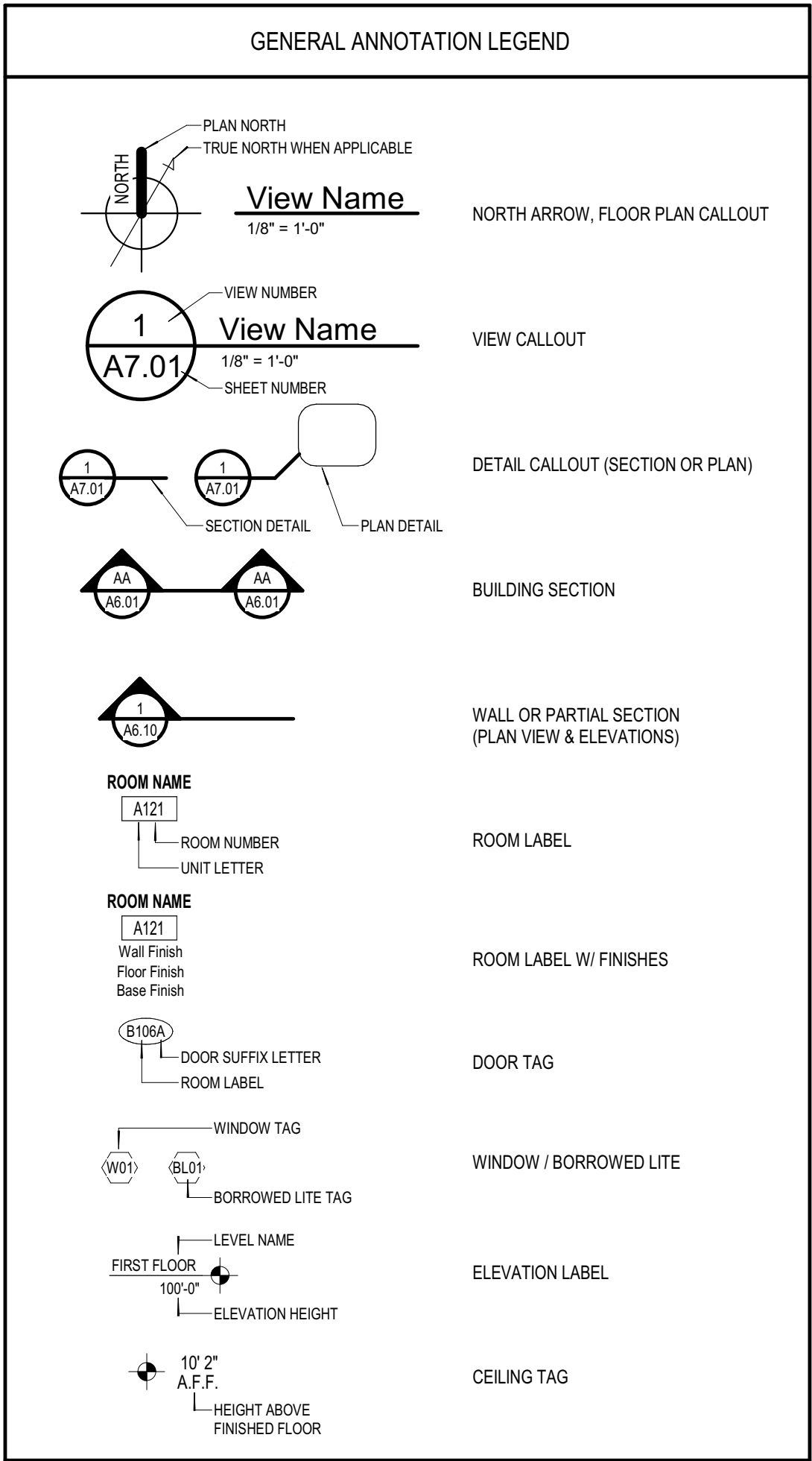
- CONSTRUCTION AND/OR CONTROL JOINTS IN CONCRETE SHALL BE ON A 12" SQUARE GRID MAX. UNLESS OTHERWISE NOTED. ALL CONSTRUCTION JOINTS SHALL BE DOVELEDED W/ 1/2" SMOOTH COWELS AT 24" O.C. SEE DETAILS.
- PROVIDE CONTINUOUS U-BLOCK BOND BEAMS AT THE LOCATIONS INDICATED ON WALL SECTIONS OR DETAILS. FILL U-BLOCKS WITH CONCRETE AND REINFORCE WITH (2) #5 BARS CONTINUOUS. UNLESS NOTED OTHERWISE ON DRAWINGS.



NON-LOAD BEARING COLD-FORMED METAL FRAMING SCHEDULE				
	DEPTH	GAUGE (33 KSI)	FLANGE WIDTH	IDENTIFICATION AHS S1010S200
STUDS & JOISTS	2 1/2"	20	1 1/4"	250S125-30
	3 5/8"	20	1 1/4"	362S125-30
	6"	18	1 5/8"	600S162-43
	3 5/8"	20	1 5/8"	362S162-33
TRACK	3 5/8"	20	1 5/8"	362S162-33
	6"	18	1 5/8"	600S162-43
	6"	16	1 5/8"	600S162-54
	2 1/2"	20	1 1/4"	250T125-30
FLOORING (AST)	3 5/8"	20	1 1/4"	362T125-30
	3 5/8"	20	2 1/2"	362T250-33
	6"	18	1 1/4"	600T125-43
	6"	16	1 1/2"	600T150-54
	7/8"	20	N/A	087T125-33
	1 1/2"	20	N/A	150T125-33

NOTE: ALL MEMBERS IN THIS SCHEDULE ARE SIZED FOR MAXIMUM 15' TALL WALLS
SEE COLD-FORMED METAL HEADER SCHEDULE FOR SPECIFIC JAMB & HEADER REQUIREMENTS

INTERIOR, NON-LOAD BEARING COLD-FORMED METAL HEADER SCHEDULE		
ROUGH OPENING	MATERIAL	HEADER SHAPE
6'-0" MAX.	HEADER: (1) 362S162-33 JOISTS (2) 362T125-33 TRACKS (3) 362S162-33 STUD EACH END (4) 362T125-33 TRACK	
10'-0" MAX.	HEADER: (1) 600S162-33 JOISTS (2) 362T125-33 TRACKS (3) 362S162-33 STUDS EACH END (4) 362T125-33 TRACK	
12'-0" MAX.	HEADER: (1) 1000S162-43 JOISTS (2) 362S162-33 HORIZONTAL (3) 362T125-33 TRACKS (4) 362S162-33 STUDS EACH END (5) 362T125-33 TRACK	
ALL HEADERS IN THIS SCHEDULE ARE SIZED FOR INTERIOR, NON-LOAD BEARING WALLS ONLY BASED ON 12' WALL HEIGHT / 5 psf INTERNAL LOAD / 50 psf VERTICAL DEAD LOAD		



BARRIER FREE ADA DIMENSIONS

1/4" = 1'-0"

ISSUANCES

04.24.2020 SCHEMATIC DESIGN

DRAWN BE
REVIEWED AH

PROJECT NO. 5-5140

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GENERAL NOTES
DIMENSIONS AND LEGENDS

G0.01

STRUCTURAL DESIGN DATA

BUILDING CODE: MICHIGAN BUILDING CODE 2015 & ASCE 7-10

- RISK CATEGORY 111
- FLOOR LIVE LOAD:

CLASSROOMS & LABS	40 psf
LOBBIES, STAIRS & EXITS	100 psf
CORRIDORS	100 psf
CORRIDORS ABOVE 1ST FLOOR	80 psf
MECHANICAL & MAINTENANCE ROOMS	150 psf
STORAGE ROOMS	125 psf
CATWALK	40 psf + 300 # post pad

FLOOR DEAD LOAD:

PRECAST MEZZANINE	58 psf
3" PRECAST	38 psf
3" TOPPING	2 psf
FLOORING	2 psf
CEILING	5 psf
MEP / FIRE PROTECTION	2 psf
MISC	2 psf
	105 psf

CONCRETE ON METAL DECK (SECOND FLOOR & FUTURE SECOND FLOOR)	58 psf
5" CONCRETE ON 1.5" MTL DECK	13 psf
EXTRA CONCRETE	2 psf
FLOORING	2 psf
CEILING	5 psf
MEP / FIRE PROTECTION	2 psf
MISC	5 psf
STRUCTURE	80 psf

3. ROOF SNOW LOAD:

GROUND SNOW LOAD (Pg)	35 psf
FLAT ROOF SNOW LOAD (Ps)	27 psf
SNOW EXPOSURE FACTOR (Ce)	1.0
SNOW LOAD IMPORTANCE FACTOR (I)	1.0
THERMAL FACTOR (Te)	1.0

ADDITIONAL SNOW DRIFT LOAD:

ALL STRUCTURAL FRAMING INCLUDING JOISTS & TRUSSES HAVE BEEN DESIGNED FOR ADDITIONAL DRIFTING SNOW IN COMPLIANCE WITH THE BUILDING CODE AND ASCE 7-10

ROOF DEAD LOAD:

ROOF FRAMING (NO FUTURE FLOOR)	
ROOF DECK	3 psf
ROOFING	2 psf
INSULATION	2 psf
STRUCTURE	4 psf
MEP / FIRE PROTECTION	5 psf
MISC	2 psf
CEILING	2 psf
	20 psf

HANGING ATHLETIC EQUIP (GYM ONLY- BOT CHORD)	10 psf
--	--------

4. WIND LOAD:

ULTIMATE WIND SPEED (3 SEC. GUST)	120 mph
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (Cgi)	0.18

COMPONENTS & CLADDING PRESSURE (psf):

FLAT ROOFS (BASED ON 20 SF)	
UPLIFT WITHIN 10' OF CORNER	47 psf
UPLIFT WITHIN 10' OF EDGE	32 psf
UPLIFT INTERIOR	23 psf
WALLS	23 psf

COMPONENTS & CLADDING PRESSURE (psf):

FLAT ROOFS (BASED ON 20 SF)	
UPLIFT WITHIN 10' OF CORNER	78 psf
UPLIFT WITHIN 10' OF EDGE	50 psf
UPLIFT INTERIOR	30 psf
WALLS	38 psf

5. SEISMIC DESIGN:

SEISMIC IMPORTANCE FACTOR (Ih)	1.25
SPECTRAL RESPONSE	
Ss	0.0749
S1	0.045
Ss	0.08
S1	0.072
D	0
SITE CLASS	B
SEISMIC DESIGN CATEGORY	
SEISMIC FORCE RESISTING SYSTEM	
ORDINARY REINFORCED MASONRY SHEAR WALLS	
SEISMIC RESPONSE COEFFICIENT (Cs)	0.05
RESPONSE MODIFICATION FACTOR (R)	2.0
ANALYSIS PROCEDURE	
EQUIVALENT LATERAL FORCE	

DESIGN BASE SHEAR:

UNIT A = 98 KIPS	UNIT D = 98 KIPS
UNIT B = 130 KIPS	UNIT E = 98 KIPS
UNIT C = 130 KIPS	UNIT F = 88 KIPS

DESIGN SOL BEARING CAPACITY (ASSUMED / SEE REPORT):

COLUMN FOOTINGS	2000 psf
WALL FOOTINGS	2000 psf

6. DESIGN STRESSES:

CONCRETE	
FOOTINGS & FOUNDATIONS	fc = 3500 psi
SLABS-ON-GRADE	fc = 4000 psi
ELEVATED SLABS & TOPPING	fc = 4000 psi
PRECAST	fc = 5000 psi
REINF. STEEL	fy = 60,000 psi
STEEL	
W SHAPES	Fy = 50,000 psi
RECT. HSS SHAPES	Fy = 50,000 psi
ROUND HSS & PIPE SHAPES	Fy = 60,000 psi
ALL OTHER SHAPES	Fy = 36,000 psi
WELDING ELECTRODE	E70XX
MASONRY	
CMU	2800 psi units
	Fm = 2000 psi
GROUT	Fc = 2300 psi
LUMBER	
DIMENSIONAL (SPF&2 OR BETTER)	Fb = 660 psi
	Ft = 155 psi
ENGINEERED (LVL)	Fb = 2000 psi
	Ft = 285 psi
	E = 1900 ksi

GENERAL STEEL FRAMING NOTES

- SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL REQUIRED NOT LIMITED TO ANGLES, PLATES, CHANNELS, RAILINGS, AND POSTS.
- MASONRY CORES SHALL BE GROUTED FULL 3 COURSES DOWN MINIMUM BELOW ALL LINTEL, BEAM AND JOIST BEARING LOCATIONS BOTH NEW AND EXISTING MASONRY. POCKET WALLS AS NECESSARY, GROUT, AND PATCH WALL TO MATCH ADJACENT MATERIAL.
- ROOF DECK TO BE 1.58 20GA. PAINTED, WELDED 30/4 PATTERN (12" OD) WITH (2) SIDE LAP FASTENERS PER SPAN UNLESS NOTED OTHERWISE. ALL CANOPY ROOF DECK TO BE GALVANIZED.
- FURNISH & INSTALL 20 GA. FLAT PLATE FILLERS & COVERS AT DECK EDGES AND AT TRANSITION LINES OF ORIENTATION CHANGES AS NOTED.
- FURNISH & INSTALL ALL JOIST BRIDGING & BRACING AS NOTED OR AS REQUIRED BY THE STEEL JOIST INSTITUTE (SJI).
- PROVIDE FRAMES FOR ROOF SLUMPS AND FOR ALL OTHER ROOF OPENINGS REQUIRED ON PLANS PER TYPICAL ROOF FRAME DETAILS.
- STEEL MEMBERS EXPOSED TO EXTERIOR CONDITIONS INCLUDING LINTELS REQUIRE GALVANIZING. ALL CANOPY STEEL TO BE GALVANIZED EVEN WHERE NOT LEFT EXPOSED TO VIEW.
- DESIGN JOISTS FOR A NET WIND UPLIFT FORCE OF 25 PSF AND FOR ANY MECHANICAL LOADS AS INDICATED ON PLANS.
- ALL COLUMN, BASE PLATE, AND ANCHOR BOLTS BELOW GRADE MUST BE ENCASED IN CONCRETE (OR COATED IN BITUMINOUS MATERIAL).
- PROVIDE BEARING PLATE WITH SLOTTED HOLES PER LINTEL SCHEDULE AT ONE END OF ALL STEEL BEAMS WHERE THE BEAM RUNS PARALLEL TO THE CMU WALLS SUPPORTING IT.
- COORDINATE AND FIELD VERIFY ALL MECHANICAL EQUIPMENT & OPENING LOCATIONS & SIZES FOR SUPPORTS & FRAMES.
- IT IS THE FABRICATOR'S RESPONSIBILITY TO DESIGN AND DETAIL ALL MOMENT CONNECTIONS IN ACCORDANCE WITH CURRENT AISC STANDARDS AND SPECIFICATIONS BASED ON THE LOADS PROVIDED. SHOP DRAWINGS THAT INDICATE ALL CONNECTION REQUIREMENTS) AND CALCULATIONS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN AND SUBMITTED FOR REVIEW.
- IT IS THE FABRICATOR'S RESPONSIBILITY TO DESIGN AND DETAIL ALL STEEL STAIRS IN ACCORDANCE WITH CURRENT AISC STANDARDS AND SPECIFICATIONS BASED ON THE LOADS PROVIDED. SHOP DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN AND SUBMITTED FOR REVIEW. SEE SPEC FOR ADDITIONAL INFO.
- IT IS THE FABRICATOR'S RESPONSIBILITY TO DESIGN AND DETAIL ALL STEEL BEAM SPLICES WHETHER INDICATED IN DRAWINGS OR PROVIDED FOR DIRECTION REASONS) IN ACCORDANCE WITH CURRENT AISC STANDARDS AND SPECIFICATIONS BASED ON THE LOADS PROVIDED. SHOP DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN AND SUBMITTED FOR REVIEW. SEE SPEC FOR ADDITIONAL INFO.

15. UNO, DESIGN FOR MIN 10K SHEAR REACTION

GENERAL FOUNDATION NOTES

- PLAN ELEVATION 100'-0" = SITE DATUM PER CIVL.
- FOUNDATIONS WILL BE PLACED IN BOTH THE NATIVE SOIL AND NEW SAND/FILL. PRIOR TO PLACING CONCRETE THE BEARING SURFACE SHALL BE COMPACTED TO A DENSITY OF 95.0 PERCENT OF ITS MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. REFERENCE THE SOILS REPORT FOUND IN THE SPECIFICATIONS FOR ADDITIONAL RECOMMENDATIONS.
- ON SITE EXCAVATED SOILS MAY BE USED FOR BACKFILLING OF FOUNDATIONS EXCEPT AT RETAINING WALLS WHERE CLEAN SAND MEETING MOOT CLASS 11 STANDARDS SHALL BE USED. THE WATER CONTENT OF ALL CLAY MATERIALS BEING PLACED SHALL BE 10.0 PERCENT OR LESS. FOLLOW THE RECOMMENDED INSTALLATION AND COMPACTION PROCEDURES FOR FILL AS OUTLINED IN THE SPECIFICATIONS AND SOILS REPORT.
- INSTALL 2" RIGID INSULATION ON ALL PERIMETER FOUNDATION WALLS TO A MINIMUM DEPTH OF 2'-0" BELOW GRADE.
- STEP FOOTINGS AT A MINIMUM 3 UNITS HORIZONTAL TO ONE (1) UNIT VERTICAL, WITH MAXIMUM 24" VERTICAL STEP. SEE TYP STEPPED FOOTING DETAIL.
- LAP CONTINUOUS REINFORCING PER SCHEDULE. PROVIDE CORNER BARS FOR HORIZONTAL REINFORCING OF SAME SIZE.
- SET FOUNDATION SLEEVES ON TOP OF FOOTING UNLESS NOTED OTHERWISE.
- INSTALL UNDERGROUND DRAINAGE AROUND PERIMETER FOUNDATIONS AS SHOWN IN TYPICAL FOUNDATION DRAIN DETAIL. PROVIDE POSITIVE DRAINAGE OUTLET TO SITE STORM SYSTEM.
- ON SITE WITH CLAY SOIL CONDITIONS, PROVIDE PVC WEEP HOLE SLEEVES THRU BOTTOM OF FOUNDATION WALL AT APPROXIMATELY 50 FOOT CENTERS TO DRAIN INTERIOR FILL.
- NOTE 1" DIFFERENCE BETWEEN TYPICAL FOUNDATION WALL WIDTH AS COMPARED TO TYPICAL ARCHITECTURAL WALL WIDTH. SEE FOUNDATION WALL WITH VENEER DETAIL FOR MORE INFORMATION.

CONSIDER FOR ALL FLOORS IN CASE SLAB IS POURED BEFORE FRAMING COMPLETED (ROUGHLY 50.00 / SF OVER 4" SLAB)

GENERAL SLAB NOTES

- FLOOR SLABS ON GRADE SHALL BE MINIMUM 4" THICK CONCRETE WITH SYNTHETIC FIBER REINFORCEMENT PER SPECIFICATIONS. SLABS AT RADIANT FLOORS, AT GYMNASIUM, THE COMMONS AREAS, AND STAGE SHALL BE MINIMUM 5" THICK. SEE PLANS FOR WHERE WHF IS REQUIRED.
- ALL FLOOR SLABS ON GRADE SHALL BE PLACED ON 10 MIL VAPOR BARRIER OVER MINIMUM 6" COMPACTED CLEAN SAND FILL MEETING MOOT CLASS 11 STANDARDS PLACED ON COMPACTED SUITABLE SUB-GRADE.
- INSTALL CONSTRUCTION AND/OR CONTROL JOINTS FOR SLABS ON GRADE ON A MAXIMUM 13' X THICKNESS SQUARE GRID (10'-12' FOR 4" SLAB) OR AS SHOWN ON THE FLOOR FINISH PLANS. REFERENCE TYP CONNECTION AND CONTROL JOINT DETAILS. FLOOR SLABS AT BOTH GYMNASIUM AND STAGE SHALL BE MONOTONIC POURING WITHOUT ANY JOINTS.
- SLAB EDGE DETAIL: PROVIDE BOND BREAKER AT ALL SLAB TO WALL LOCATIONS. SEE SPECIFICATION.

FOUNDATION ELEVATIONS

(UNLESS OTHERWISE NOTED ON PLANS)

TOP OF FOUNDATION WALLS = EL. 99'-4"

TOP OF CONCRETE PIERS = EL. 99'-4"

TOP OF EXTERIOR FOOTINGS = EL. 96'-4"

TOP OF INTERIOR FOOTINGS = EL. 99'-4"

GENERAL STRUCTURAL NOTES

- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION, AND WITH THE ARCHITECT'S APPROVAL MAKE ANY AND ALL NECESSARY MODIFICATIONS TO ENSURE A PROPER FIT.
- COORDINATE ALL WORK INCLUDING DEMOLITION WITH ALL OTHER TRADES AND WITH THE REQUIREMENTS FOUND IN THE CONSTRUCTION DOCUMENTS.
- THE EXISTING STRUCTURAL PLANS ARE DIAGRAMMATIC AND ARE BASED ON EXISTING OWNER DOCUMENTS AND LIMITED FIELD INVESTIGATION. VARYING & HIDDEN CONDITIONS MAY EXIST. IF DISCREPANCIES ARE FOUND, NOTIFY THE ARCHITECT & ENGINEER FOR DIRECTION / RESOLUTION BEFORE CONTINUING WORK IN THOSE AREAS.

FRAMING LEGEND

- | | |
|------------|--|
| U8 / L1 | DENOTES LINTEL TYPE (SEE SCHEDULE) |
| BP1 | DENOTES BEARING PLATE TYPE (SEE SCHEDULE) |
| CBP1 | DENOTES COLUMN BASE PLATE TYPE (SEE SCHEDULE) |
| W16x36 (S) | DENOTES BEAM WITH STUDS ON TOP PLANGE (MINIMUM 3/4" DIA.) |
| TOS | DENOTES TOP OF STEEL ELEVATION |
| BOS | DENOTES BOTTOM OF STEEL ELEVATION |
| BOD | DENOTES BOTTOM OF DECK ELEVATION |
| MO | MOMENT CONNECTION |
| EOD | EDGE OF DECK |
| TCX | TOP CHORD EXTENSION |
| BCK | BOTTOM CHORD EXTENSION |
| | DENOTES STRUCTURE SLOPES DOWN & PITCH |
| EX W16x36 | THE "EX" DENOTES EXISTING STEEL TO REMAIN. ALL OTHER MEMBERS NOT NOTED WITH AN "EX" SHALL BE NEW & FURNISHED AS PART OF THIS CONTRACT. |
| VF | VERIFY IN FIELD |
| T-1 | DENOTES ENGINEERED WOOD TRUSS TYPE (SEE SCHEDULE) |

FOUNDATION LEGEND

- | | |
|-----|--|
| TOW | DENOTES TOP OF WALL ELEVATION |
| TOP | DENOTES TOP OF PIER ELEVATION |
| TOL | DENOTES TOP OF LEDGE ELEVATION |
| TOT | DENOTES TOP OF FOOTING ELEVATION |
| FF | DENOTES TOP OF SLAB / FINISH FLOOR ELEVATION |
| SF | STEP FOOTING (SEE TYP DETAIL) |

F3x3 (96'-4") FOOTING MARK (TOP ELEV.) - SEE SCHEDULE FOR SIZE & REINFORCING

F2 (96'-4") PER MARK (TOP ELEV.) - SEE SCHEDULE FOR SIZE & REINFORCING

CONCRETE FOUNDATION WALL & FOOTING

MASONRY WALL & CONCRETE FOOTING

METAL DECK ATTACHMENT

USE THE FOLLOWING GUIDELINES FOR SECURING THE METAL ROOF DECK TO ITS SUPPORTING STRUCTURE.

- ALL 1.58 DECK - USE 58F PUDDLE WELDS ON 30/4 PATTERN WITH #10 SCREW SIDELAP FASTENERS MINIMUM 2 PER SPAN. OR USE HLT FASTENERS PER Q3 31 ON ON 30/4 PATTERN WITH #10 SCREW SIDELAP FASTENERS MIN. 2 PER SPAN EXCEPT AT AUCIUMORUM AND STAGE ROOF USE 30/7 PATTERN WITH SIDELAP FASTENERS @ 24" OC.
- ALL 3N AND 3NA DECK - USE #12 SCREWS ON 24H PATTERN WITH #10 SIDELAP FASTENERS AT 18" OC. OR USE HLT-X-ENF-H/LIS POWDER ACTUATED FASTENERS ON 24H PATTERN WITH #10 SCREW SIDELAP FASTENERS AT 18" OC. ROOF USE 30/7 PATTERN WITH SIDELAP FASTENERS @ 24" OC.

FLOOR & ROOF LEGEND

- | | |
|-----------|--|
| 1.58# | 1 1/2" WIDE RIB DECK - ## INDICATES GAUGE |
| 1.58A# | 1 1/2" WIDE RIB ACoustICAL DECK - ## INDICATES GAUGE |
| 3# | 3" DEEP RIB DECK - ## INDICATES GAUGE |
| 3#A# | 3" DEEP RIB ACoustICAL DECK - ## INDICATES GAUGE |
| 1.58M / T | 1 1/2" FORM DECK - ## INDICATES GAUGE
"T" INDICATES TOTAL SLAB THICKNESS |
| 2VL# / T | 2" COMPOSITE DECK - ## INDICATES GAUGE
"T" INDICATES TOTAL SLAB THICKNESS |
| #PC-1 | PRECAST PLANK - ## INDICATES THICKNESS
"T" INDICATES TOPPING THICKNESS |

FLOOR FRAMING PLAN NOTES

- UNO ON PLANS, FLOOR SLAB SHALL BE 9" (TOTAL) NORMAL WEIGHT CONCRETE (7" CONCRETE OVER TOP OF DECK), REINFORCE SLAB WITH 6X6-W2 3XW2.3 WWF. LOCATE WWF IN TOP 1/3 OF SLAB ELEVATIONS) ARE AS FOLLOWS:

LEVEL	T.O. SLAB	T.O. STEEL
SECOND FLOOR	12'-2"	12'-7"
- FLOOR DECK:
 - UNO, FLOOR SHALL BE 2" COMPOSITE, 18 GA. GALVANIZED METAL DECK, 3 SPAN CONTINUOUS (OR EQUIVALENT).
 - FOR ALL DECK TYPES WITH INTERLOCKING SIDELAPS, REPLACE SCREWS WITH BUTTON PUNCHING OR WELDS.
 - UNO, AT BEARING ENDS OF DECK, ATTACH DECK EDGES TO SUPPORTS AT EACH DECK RIB, BUT FASTENER SPACING NEED NOT BE LESS THAN 8" O.C.
 - UNO, AT DECK EDGES WHERE DECK RUNS PARALLEL, PROVIDE (2) FASTENERS AT EACH JOIST OR BEAM WHERE A CONTINUOUS STEEL SUPPORT HAS BEEN PROVIDED. FASTEN TO SUPPORTING MEMBER AT 12" O.C.
- UNO ON PLANS, BEAMS OR JOISTS ARE EQUALLY SPACED BETWEEN COLUMNS OR ALONG ORDERS.

ABBREVIATIONS

- | | | | |
|-------|-------------------------|------|------------------------|
| AE | ARCHITECT / ENGINEER | HT | HEIGHT |
| ABV | ABOVE | D | DIAMETER |
| AF | ABOVE FINISHED FLOOR | F | INSIDE FACE |
| ALT | ALTERNATE | INT | INTERIOR |
| AESS | ARCHITECTURALLY EXPOSED | LLH | LONG LEG HORIZONTAL |
| ARCH | ARCHITECT | LVH | LONG LEG VERTICAL |
| B.O. | BOTTOM OF | MAX | MAXIMUM |
| BFF | BELOW FINISHED FLOOR | MBC | MICHIGAN BUILDING CODE |
| BLDG | BUILDING | MECH | MECHANICAL |
| B.W. | BELOW | MFR | MANUFACTURER |
| BP | BEARING PLATE | MIN | MINIMUM |
| BRS | BEARING | MIS | MISCELLANEOUS |
| C | CENTER-TO-CENTER | NIC | NOT IN CONTRACT |
| CANT | CANTILEVER | NOM | NOMINAL |
| CBP | COLUMN BASE PLATE | NTS | NOT TO SCALE |
| CB | COMPLETE, JOINT | OC | OUT-TO-OUT |
| CL | CENTERLINE | OC | ON CENTER |
| CLG | CENTERLINE | OD | OUTSIDE DIAMETER |
| C/L | CEILING | OPP | OPPOSITE HAND |
| CLR | CLEAR | PAR | PARALLEL |
| COL | COLUMN | PENB | PRE-ENGINEERED |
| CONC | CONCRETE | PERP | PERSPECTICULAR |
| CONN | CONNECTION | PL | PLATE |
| CONT | CONTINUOUS | REQ | REQUIRED |
| COORD | COORDINATE | REIN | REINFORCE |
| DA | DECK ANGLE | RD | ROOF DRAIN |
| DSE | DECK BEARING ELEVATION | RON | REACTION |
| DM | DIMENSION | SC | SUP. CRITICAL |
| DP | DECK PLATE | SF | STEP FOOTING |
| EA | EACH | SM | SIMILAR |
| EF | EACHFACE | SOG | SLAB ON GRADE |
| EL | ELEVATION | SPEC | SPECIFICATION |
| EQ | EQUAL | STD | STANDARD |
| ES | EACH SIDE | STL | STEEL |
| EW | EACH WAY | SW | SHORT WAY |
| EXP | EXPANSION | T.O. | TOP OF |
| EXT | EXTERIOR | TBS | TOP AND BOTTOM |
| FD | FLOOR DRAIN | TYP | TYPICAL |
| FRN | FOUNDATION | UNO | UNLESS NOTED OTHERWISE |
| FLR | FLOOR | VF | VERIFY IN FIELD |
| GA | GAUGE | W | WELD |
| GALV | GALVANIZED | WWF | WELDED WIRE FABRIC |
| GYP | GYPSPUM BOARD | W/O | WITHOUT |
| HD | HOLD DOWN ANCHOR | W/W | WELDED WIRE FABRIC |
| HORIZ | HORIZONTAL | | |

LIGHT GAUGE METAL FRAMED WALL NOTES

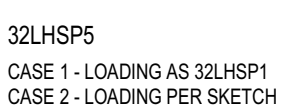
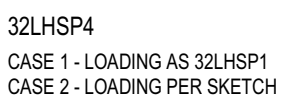
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND DETAIL ALL LIGHT GAUGE FRAMING AND CONNECTIONS IN ACCORDANCE WITH THE CURRENT LOCAL BUILDING CODE AND AISI'S STANDARDS AND SPECIFICATIONS.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS THAT INDICATE FULL DESIGN AND CALCULATIONS FOR ALL EXTERIOR WALL AND HEADER CONDITIONS INCLUDING FASTENERS AND CLIPS. ALL WALLS 14' OR TALLER AND ALL OPENINGS 10' OR WIDER ALSO REQUIRE SUBMITTED CALCULATIONS. SHOP DRAWINGS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN FOR ARCHITECT'S REVIEW.
- LIGHT GAUGE METAL SIZES SHOWN ON PLANS AND DETAILS ARE BASED ON METAL STUD INDUSTRY STANDARDS.
- WHERE STUD DEPTH, WIDTH, OR THICKNESS IS INDICATED ON DRAWINGS IT SHALL BE CONSIDERED A MINIMUM REQUIREMENT.
- WHERE METAL STUDS PROVIDE BACKUP FOR METAL PANEL OR OTHER SPECIALTY FINISH MATERIAL, COORDINATE STUD GAUGE THICKNESS WITH THE SUPPLIER OF THE WALL FINISH MATERIAL. THE SUPPLIER MAY HAVE MINIMUM THICKNESS REQUIREMENTS TO BE MET.
- AT OPENINGS IN FRAMED WALLS, ALL HEADERS, SILL, JAMB STUDS, AND RELATED CONNECTIONS SHALL BE DESIGNED TO TRANSFER WIND AND GRAVITY LOADS TO THE SUPPORTING PRIMARY STRUCTURE.
- STUDS SHALL BE SECURELY ATTACHED TO TRACK COMPONENTS AT THE TOP AND BOTTOM OF THE WALL ASSEMBLY.
- PLYWOOD/OSB SHEATHING SHALL BE FASTENED TO STUDS WITH NO. 8 FLAT HEAD SCREWS WITH A MINIMUM HEAD DIAMETER OF 0.292 INCHES.
- METAL FRAMING SHALL BE FASTENED TOGETHER WITH MINIMUM 18 WAFER HEAD SELF DRILLING SCREWS.
- UNLESS NOTED OTHERWISE, INSTALL 1/2" DIAMETER ANCHOR BOLTS IN BOTTOM TRACK AT 2'-0" ON CENTER WITH MINIMUM OF TWO BOLTS PER LENGTH OF WALL.

COMPOSITE FLOOR CONSTRUCTION NOTES

- SHEAR CONNECTORS ARE 1/4" x 3/4" x 10.0, GRADE 5015 HEADED STUDS. STUD LENGTH SHALL BE AS REQUIRED TO PROVIDE 1 1/2" PROJECTION ABOVE DECK. STUDS SHALL BE RESISTANCE WELDED THROUGH THE DECKING TO THE SUPPORTING STEEL BY CONTRACTOR HAVING AT LEAST 3 YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE ON SIMILAR PROJECTS.
- STUD SPACING ON BEAMS SHALL BE GUIDED BY THE FOLLOWING, UNLESS NOTED:
 - IF THE NUMBER OF STUDS IS LESS THAN THE NUMBER OF DECK RIBS, START AT BEAM ENDS AND PLACE A SINGLE STUD IN EVERY OTHER FLUTE, WORK TOWARD THE CENTER OF THE BEAM. IF STUDS REMAIN, FILL IN EMPTY RIBS, AGAIN STARTING AT BEAM ENDS AND WORKING TOWARD THE CENTER.
 - IF THE NUMBER OF STUDS IS MORE THAN THE NUMBER OF DECK RIBS, AND IF MORE THAN ONE STUD PER RIB IS REQUIRED, PLACE A DOUBLE OR TRIPLE ROW AS NEEDED, STARTING FROM BEAM END AND WORKING TOWARD THE CENTER OF THE BEAM.
 - IN GENERAL, IF STUDS CANNOT BE PLACED WITH A UNIFORM SPACING ALONG THE BEAM, THE GREATEST NUMBER OF STUDS SHOULD OCCUR AT THE ENDS.
- PLACE STUDS ON GIRDERS AS FOLLOWS: STARTING AT THE GIRDER ENDS, PLACE THE FIRST STUD AT APPROXIMATELY 1/2" FROM THE COLUMN CENTER LINE (OR FACE OF WALL) AND WORK TOWARD THE CENTER OF THE GIRDER WITH UNIFORM SPACES BETWEEN THE STUDS. IF A DOUBLE ROW OF STUDS IS REQUIRED, IT IS BETTER TO PLACE THEM IN A STAGGERED PATTERN RATHER THAN SIDE BY SIDE. STUD SPACING BETWEEN FLOOR BEAMS MAY BE DIFFERENT FROM THE SPACING AT GIRDER ENDS.
- TEST STUD ATTACHMENT TO BEAMS PER AWS D1.1, BUT NOT LESS THAN THE FOLLOWING:
 - VISUALLY INSPECT STUDS FOR UNIFORM WELD ALL AROUND.
 - TAP EACH STUD WITH HAMMER TO VERIFY BY SOUND.
 - BEND EVERY TENTH STUD TO A SLOPE OF 15 DEGREES FROM VERTICAL, AWAY FROM SUPPORT WITHOUT LOSING STRENGTH OF ATTACHMENT. WHERE ATTACHMENT IS LOST, TEST AT LEAST TWO STUDS EACH SIDE OF FAILED STUD.
- REPLACE ALL FAILED STUDS. NOTIFY ARCHITECT TO COORDINATE FINAL REVIEW PRIOR TO CONCRETE PLACEMENT.
- PLACE REINFORCING BARS ACROSS ORDERS ON SUPPORTS TO MAINTAIN POSITION AT TOP OF SLAB.
- CLEAN DECK OF DUST, RUBBLE AND OTHER MATERIALS THAT COULD INTERFERE WITH THE BOND OF THE DECK AND THE CONCRETE.
- WHEN PLACING CONCRETE, SCREED TO A LEVEL FACE. THIS MAY REQUIRE PLACING CONCRETE IN ADJACENT AREAS PRIOR TO FINAL SCREEDING, SO THAT STEELWORK AND DECK DEFLECTION WILL BE INCLUDED IN THE FINAL ELEVATION. IT IS LIKELY THAT MORE CONCRETE WILL BE REQUIRED TO COMPENSATE FOR DEFLECTION.
- SUBMIT CONSTRUCTION JOINT LOCATIONS FOR ARCHITECT/ENGINEER REVIEW.
- APPLY CURING METHOD AS SOON AS POSSIBLE AFTER FINISHING.

NOTES:

1. SEE PLAN FOR TRIBUTARY WIDTH OF EACH JOIST.
2. DESIGN JOIST & JOIST GIRDER TOP & BOT CHORDS FOR [2] 100# HANGING LOADS SPACED 10'-0" ON ANYWHERE ALONG CHORD WITHOUT THE NEED FOR PANEL POINT REINFORCING. HANGING LOADS AT TOP & BOT CHORD NEED NOT BE CONCURRENT.
3. *ON PLAN INDICATES JOIST OR JOIST GIRDER THAT IS PART OF A MOMENT FRAME. REFER TO DETAIL & MOMENT CONNECTION SCHEDULE FOR ADDL INFO.
4. ALL JOISTS & JOIST GIRDERS TO BE DESIGNED FOR MAX LIVE LOAD DEFLECTION OF SPAN/360



MINIMUM MASONRY REINFORCEMENT LAP LENGTHS				
	VERTICAL BARS IN TENSION- SINGLE BARS IN CORE		VERTICAL BARS IN TENSION- DOUBLE BARS IN CORE	
BAR SIZE	8" CMU- SINGLE BAR	12" CMU- SINGLE BAR	8" CMU- DOUBLE BAR	12" CMU- DOUBLE BAR
#4	25"	25"	25"	25"
#5	25"	25"	25"	25"
#6	36"	25"	50"	26"
#7	54"	34"	72"	40"
#8	82"	52"	116"	64"

- MECHANICAL SPLICES MAY BE USED IN LIEU OF LAPPED SPLICES. MECH SPLICE MUST DEVELOP 125% OF BAR TENSION STRENGTH

The diagrams illustrate two types of roof drifts:

- DRIFT TYPE 'T':** A cross-section showing a flat roof slab (FLAT ROOF SL) with a drift layer on top. The drift layer has a thickness W and a slope indicated by a triangle. The label "DRIFT" is placed within the drift layer.
- DRIFT TYPE 'F':** A cross-section showing a flat roof slab (FLAT ROOF SL) with a drift layer on top. The drift layer has a thickness $W = \text{FULL}$ and a slope indicated by a triangle. The label "DRIFT" is placed within the drift layer. The diagram also shows a vertical dimension $2Z$ and a horizontal dimension Z for the drift layer.

ALL STEEL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

ALL MASONRY LINTELS ARE TO HAVE THEIR ENTIRE DEPTH FILLED IN A SINGLE POUR (NO COLD JOINTS).

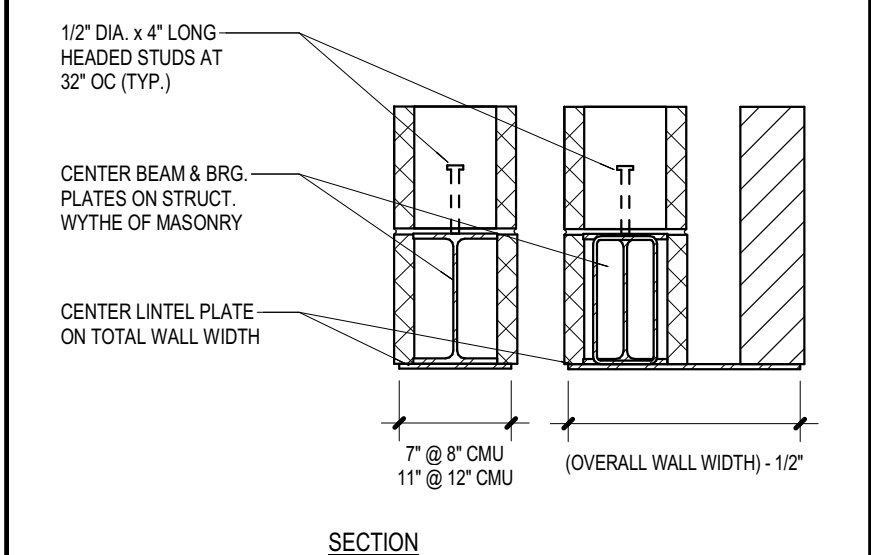
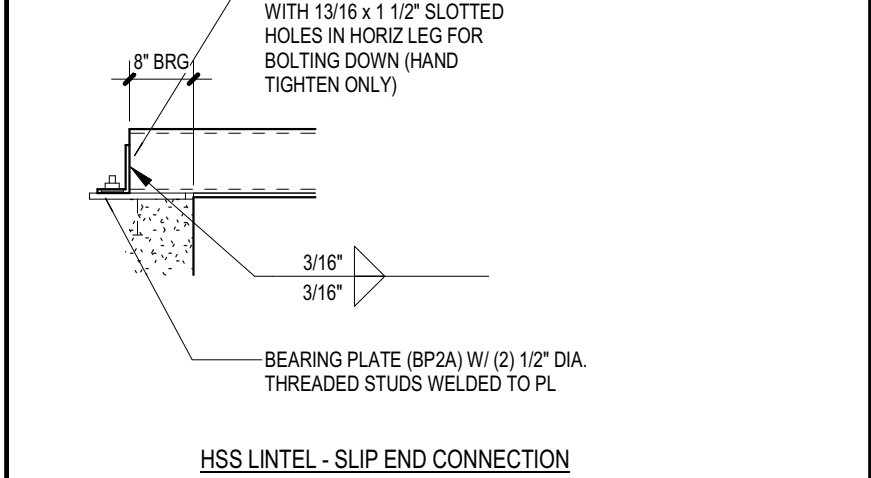
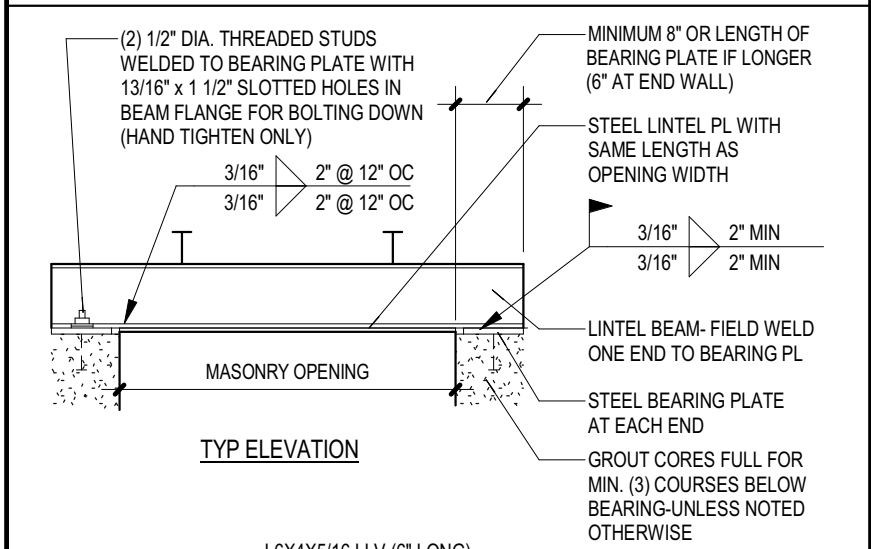
COPE BOTH FLANGE OF LINTOL TO 6" WIDTH WHERE REQUIRED TO FIT ON BEARING PLATE.

SEE DETAIL BELOW FOR ADDITIONAL REQUIREMENTS.

AT ELEVATOR SHAFTS, LINTOL TO EXTEND ACROSS ENTIRE LENGTH OF WALL, NOT JUST THE DOOR OPENING ITSELF)

AT W16 OR LARGER, PROVIDE WELD ON VENEER ANCHORS & ADJUSTABLE TIES AT 16" O.C. (BOTH FACES)

FOR OPENINGS NOT SHOWN, PROVIDE L1 FOR OPENINGS UP TO 4'-0" AND L2 FOR OPENINGS UP TO 6'-0". CONTACT ARCH. FOR LARGER OPENINGS.



NON LOAD BEARING LINTEL SCHEDULE		
MASONRY OPENING	WALL TYPE	LINTEL
0"0" to 4"0"	4" BRICK	L1
	6" 8" / 10" / 12" CMU	U8 or L1
4"0" to 6"6"	4" BRICK	L2
	6" CMU	L5 x 5 x 5/16
	8" CMU	L2
	10" / 12" CMU	L3
6"6" to 10"0"	4" BRICK	L6 x 3 x 12 / 12 LLV
	6" CMU	L3
	8" / 10" / 12" CMU	L4
10"0" to 14"0"	4" BRICK	L4
	6" 8" / 10" / 12" CMU	L4

(J3)	PROVIDE BARS THAT MATCH WALL REINFORCING IN EACH OF FIRST (3) CORES ADJACENT TO OPENING	
(J4)	(4)#5 VERT. BARS w/ #2 TIES @ 8"OC IN GROUTED CORES FROM TOP OF FOUNDATION TO BOTTOM OF LINTEL	
(5B)	GROUTED ALL CORES SOLID FROM TOP OF FOUNDATION TO BOTTOM OF BEAM FOR FULL	

NOTE:
REINFORCING NOTATION APPLIES TO ENTIRE LENGTH OF WALL (NOT
JUST THE SECTION OF WALL WHERE THE NOTE HAPPENS TO BE)
INCLUDING ABOVE AND BELOW OPENINGS WITHIN THE WALL NOTED.

SHEAR WALLS:
REQUIRE 2 VERTICAL BARS IN END CORES GROUTED FULL HEIGHT
AND DOWELED INTO FOUNDATION. INDICATED AS THUS ON PLAN.

EXTENDED ANCHORS:
(NOTED ON PLANS WITH "X" SUFFIX AFTER BEARING PLATE MARK)

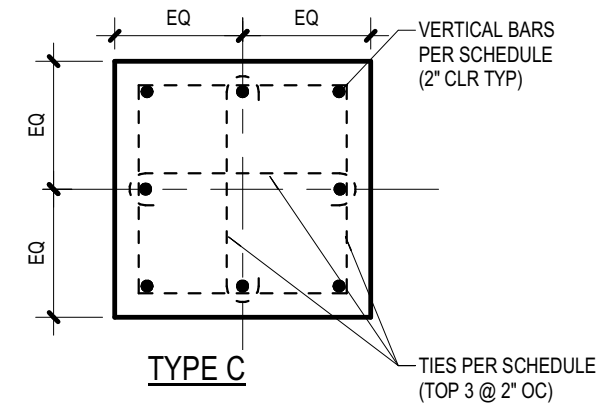
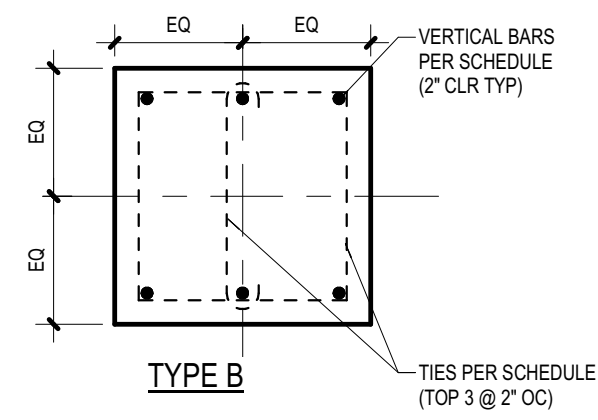
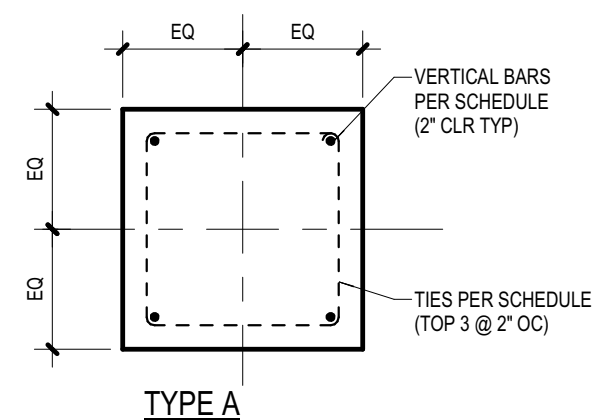
BEARING PLATE

1/2" DIA. STL ROD ANCHORS (WELDED TO BOTTOM OF PLATE) x 15" LONG W/ HEAVY HEX NUT WELDED ON END
(SEE SCHEDULE ABOVE FOR QUANTITY)

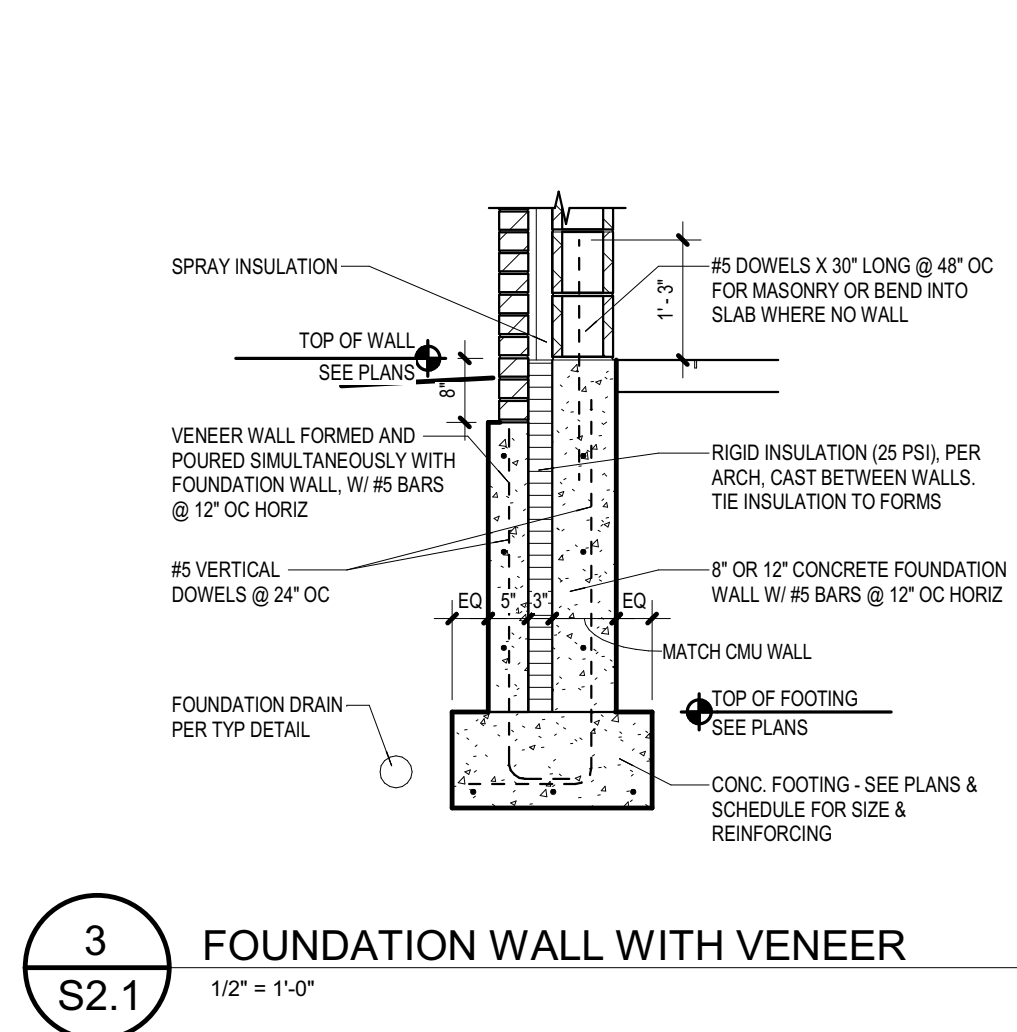
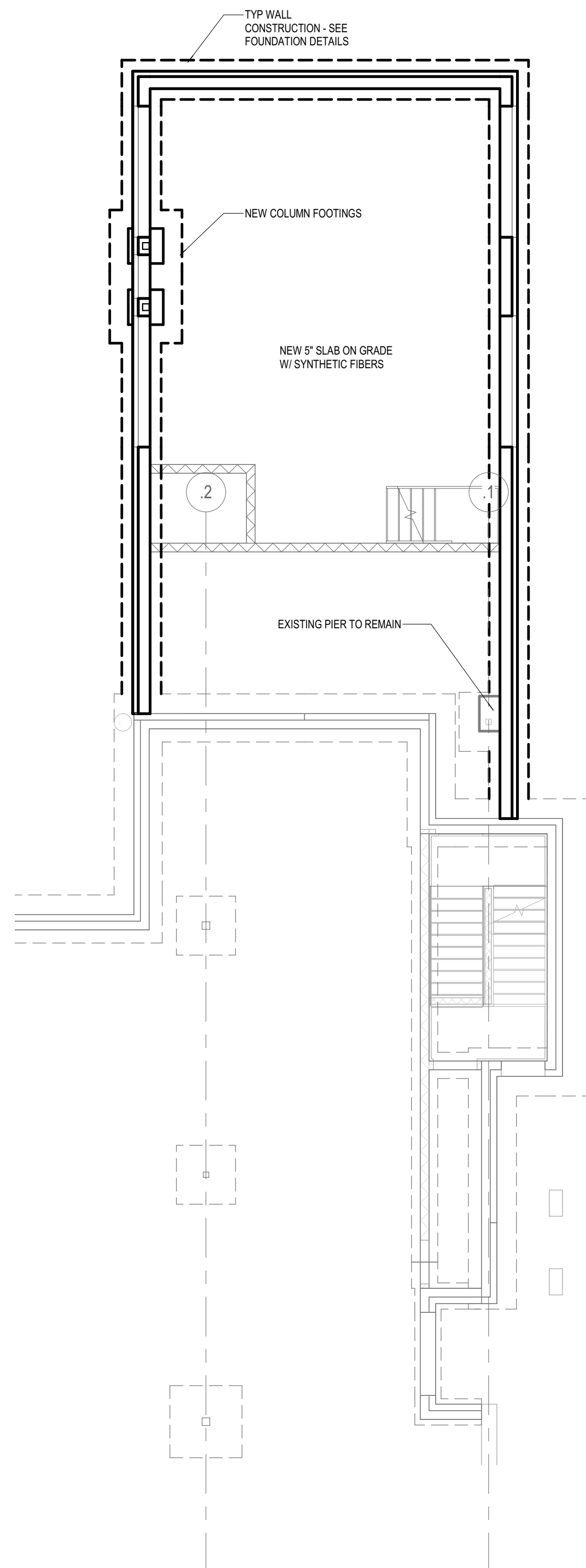
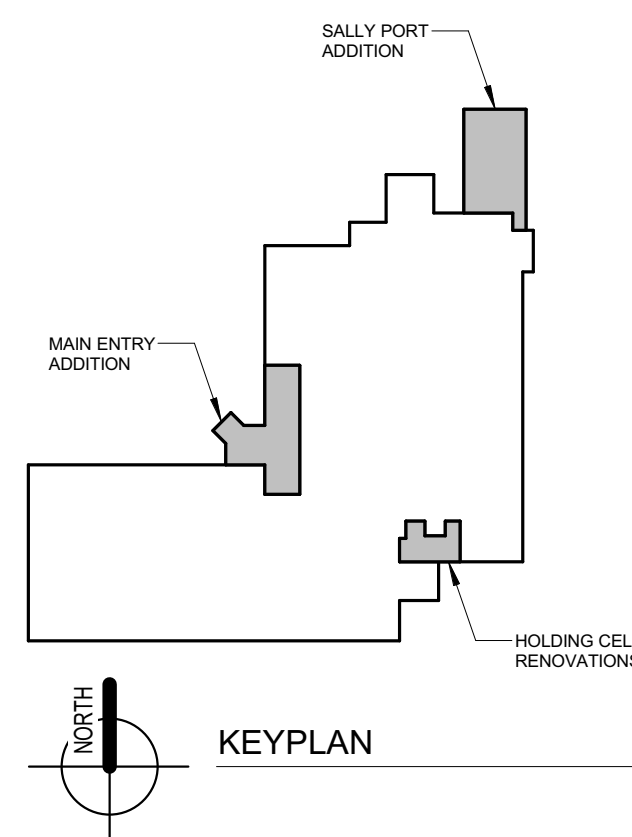
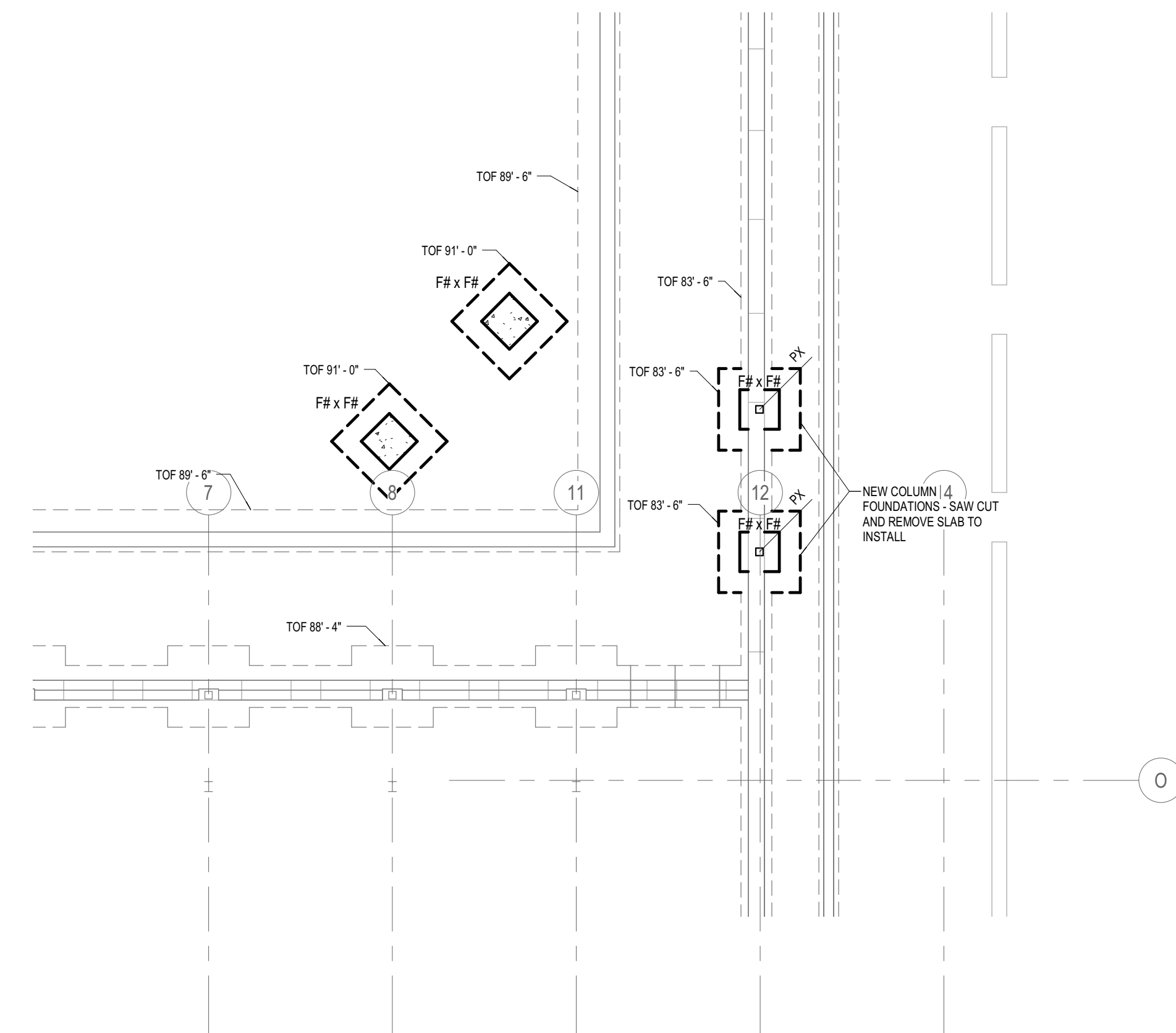
CBP1 (TYP UNO)

- HORIZONTAL BOTTOM BARS ARE THOSE PLACED WITH 12" OR LESS OF FRESH CONCRETE CAST BELOW THE BAR.
- HORIZONTAL TOP BARS ARE THOSE PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BAR.

PIER SCHEDULE					
MARK	SIZE			TYPE	REINFORCING
	WIDTH	LENGTH	HEIGHT		
P1	18"	18"	VARIES	A	(4) #5 BARS VERTICAL & #3 TIES
P2	22"	22"	VARIES	A	(4) #7 BARS VERTICAL & #3 TIES
P3	24"	24"	VARIES	A	(4) #7 BARS VERTICAL & #3 TIES
P4	32"	32"	VARIES	C	(8) #7 BARS VERTICAL & #3 TIES
P5	24"	48"	VARIES	C	(8) BARS VERTICAL, (DOWEL INTO FOOTING) & (2) #3 TIES
P6	32"	48"	VARIES	C	(8) BARS VERTICAL, (DOWEL INTO FOOTING) & (2) #3 TIES
UNLESS NOTED OTHERWISE, SEE TYPICAL PER DETAIL FOR ADDITIONAL INFO. PROVIDE TOP (3) TIES @ 7" OC, REMAINDER @ 12" OC. PROVIDE DOWELS INTO FOOTING TO MATCH VERTICAL REINF.					



PIER DETAILS

SALLY PORT FOUNDATION PLAN
1/8" = 1'-0"MAIN ENTRY ADDITION FOUNDATION PLAN
1/8" = 1'-0"

ISSUANCES

04.24.2020 SCHEMATIC DESIGN

DRAWN	MRC
REVIEWED	PMB

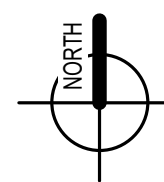
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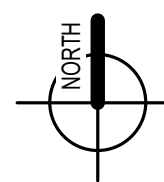
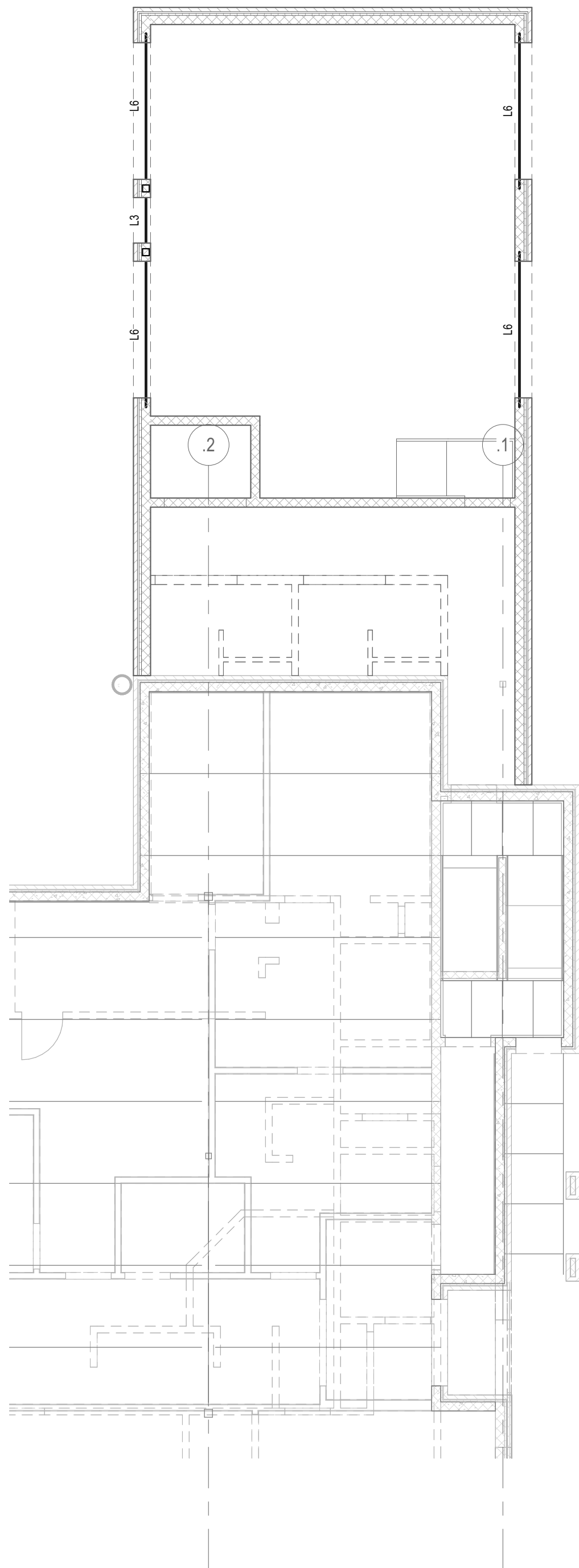
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FOUNDATION PLANS

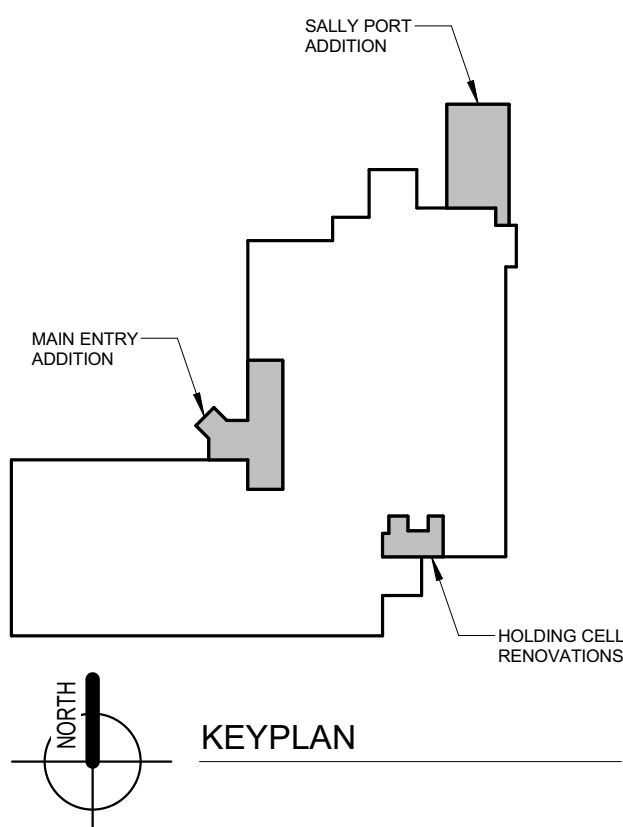
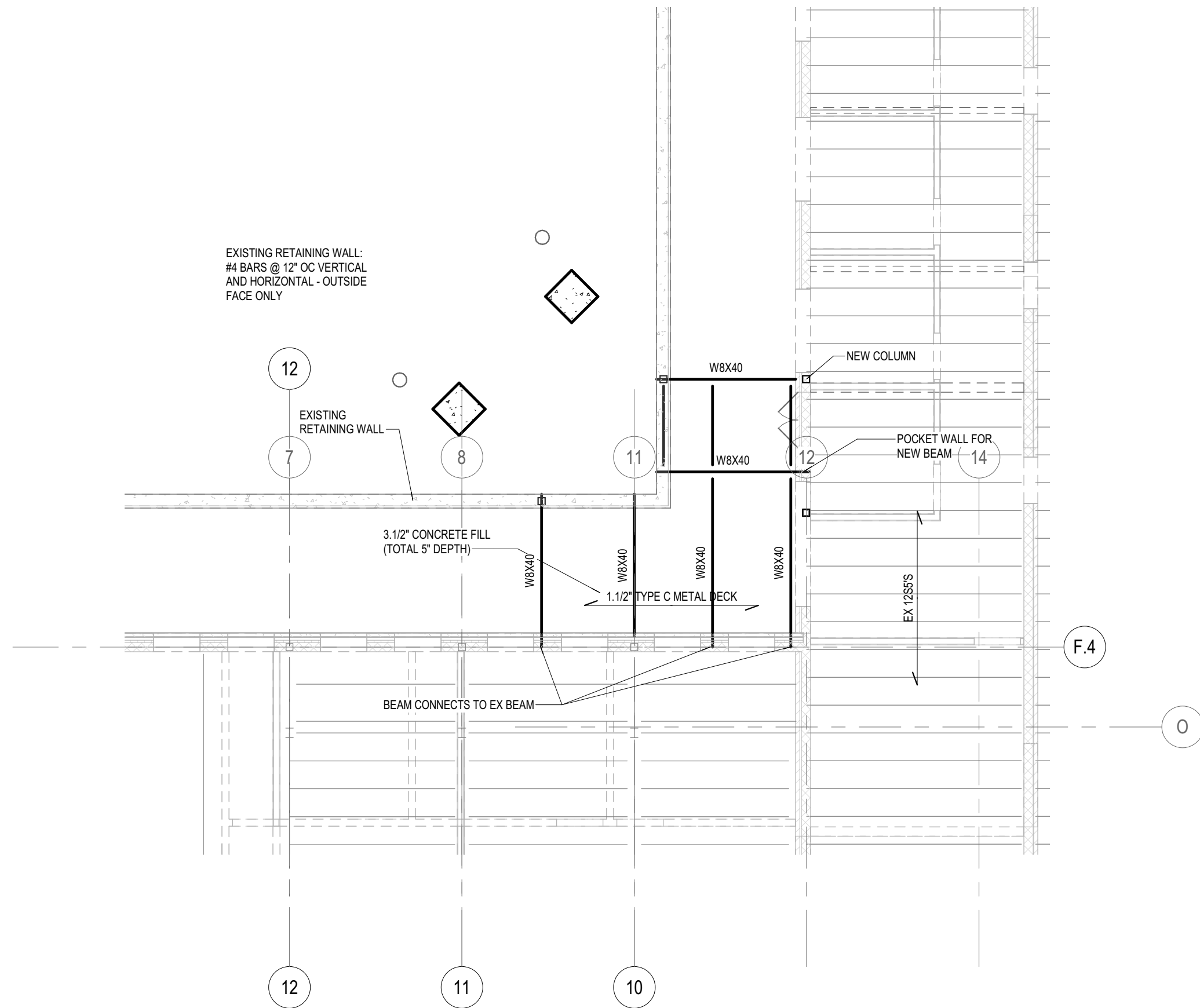
S2.1



SALLY PORT - LINTEL PLAN
1/8" = 1'-0"



MAIN ENTRY ADDITION - FLOOR FRAMING PLAN
1/8" = 1'-0"



ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

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FLOOR FRAMING & LINTEL PLAN	

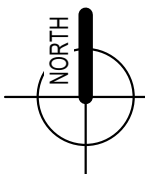
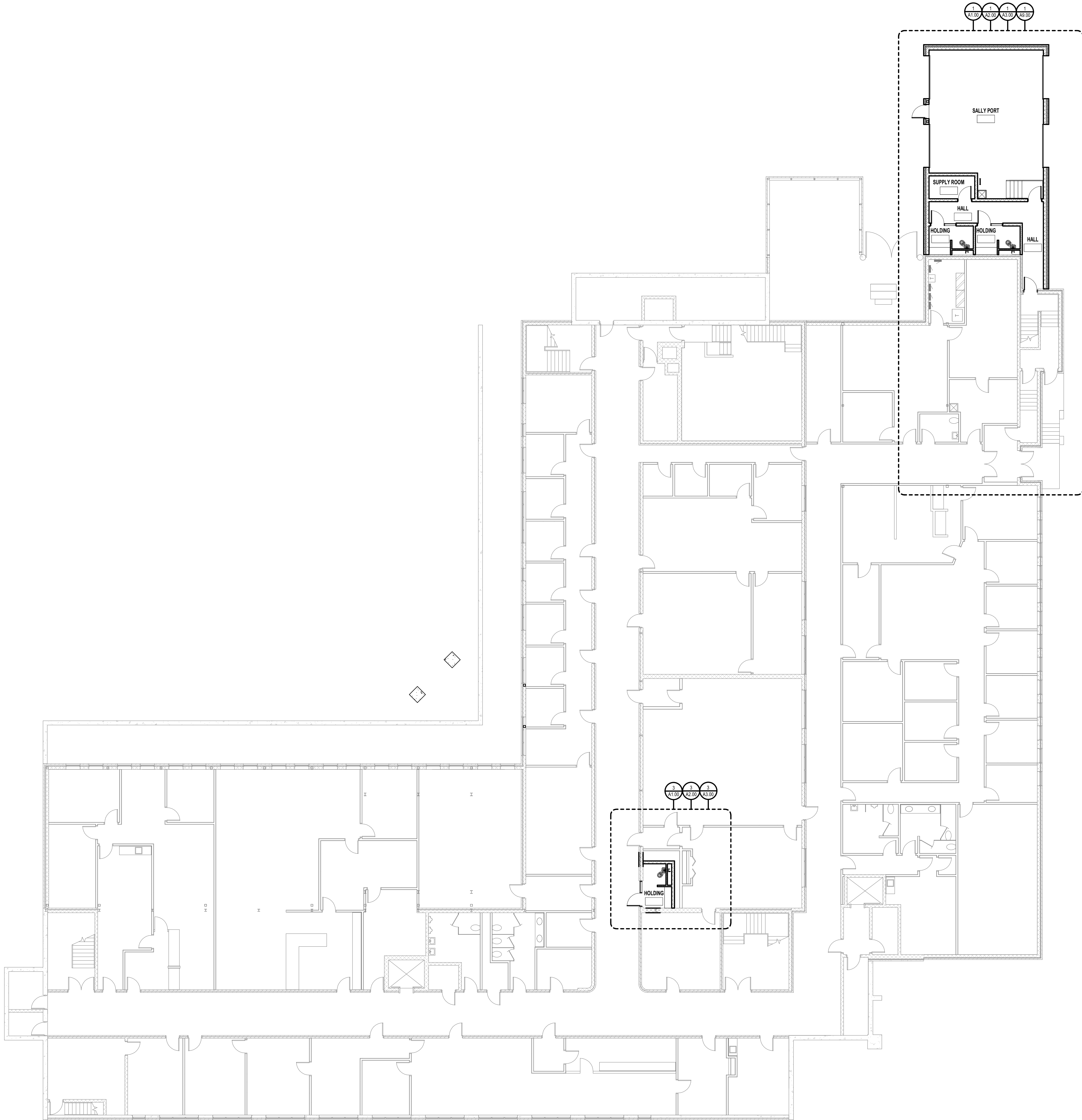
ALLEGAN, MICHIGAN

OF FRAMING PLANS

S3.2

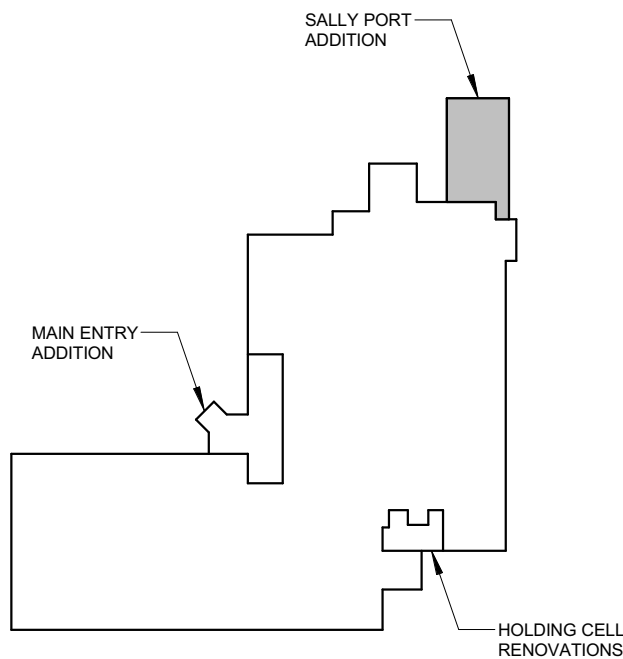


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OVERALL LOWER LEVEL FLOOR PLAN

3/32" = 1'-0"



KEYPLAN

ISSUANCES

04.24.2020 SCHEMATIC DESIGN

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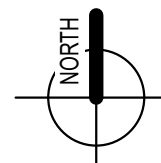
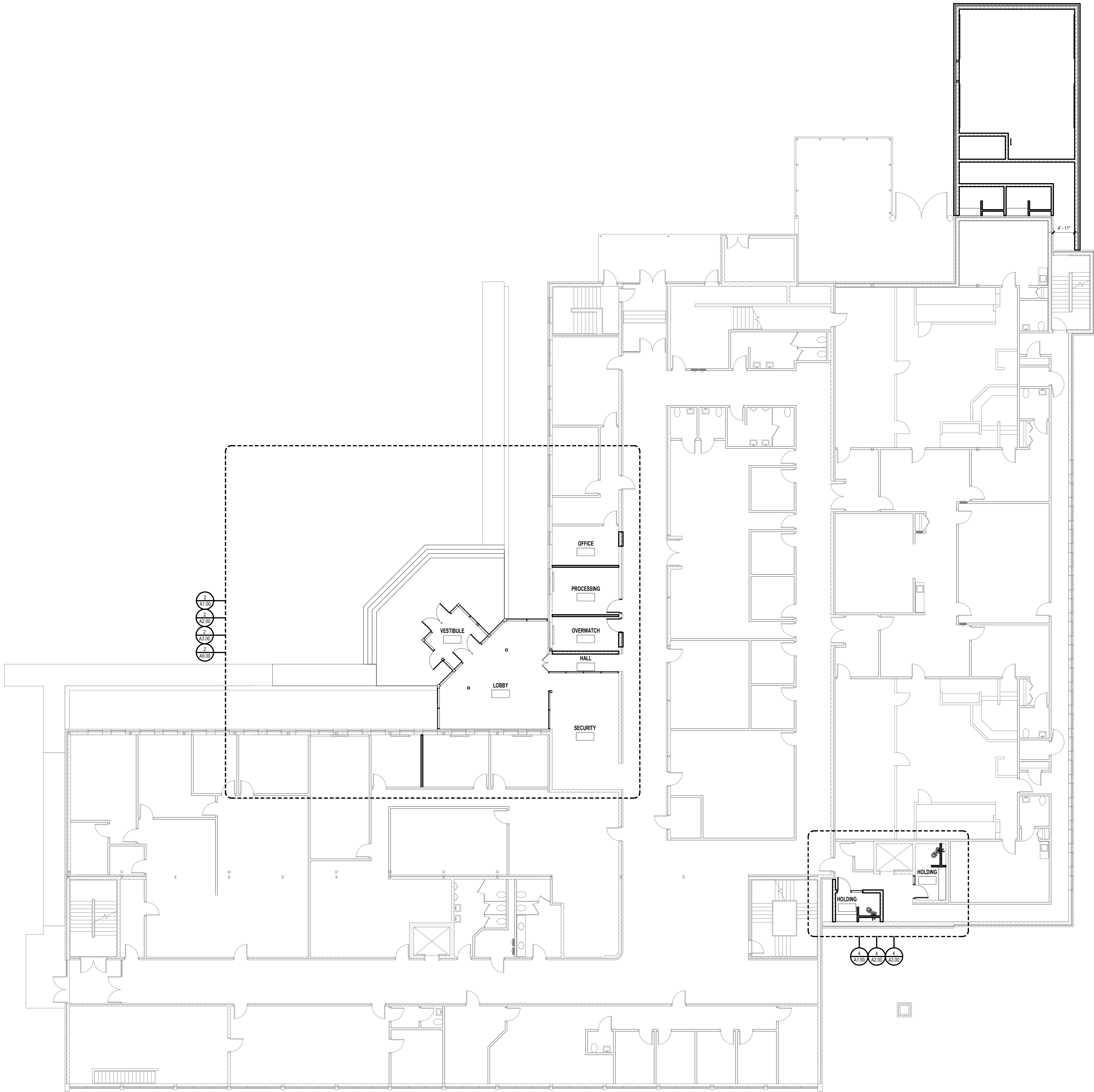
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OVERALL LOWER LEVEL
FLOOR PLAN

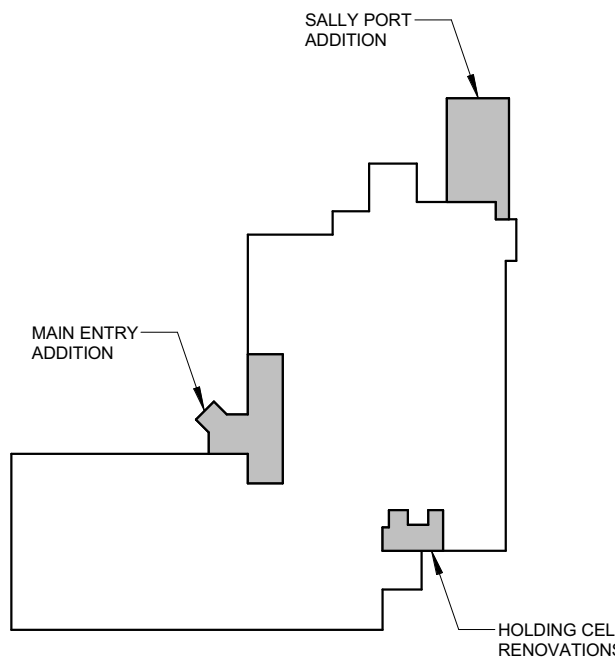
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OVERALL FIRST FLOOR PLAN

3/32" = 1'-0"



KEYPLAN

ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

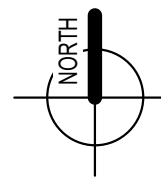
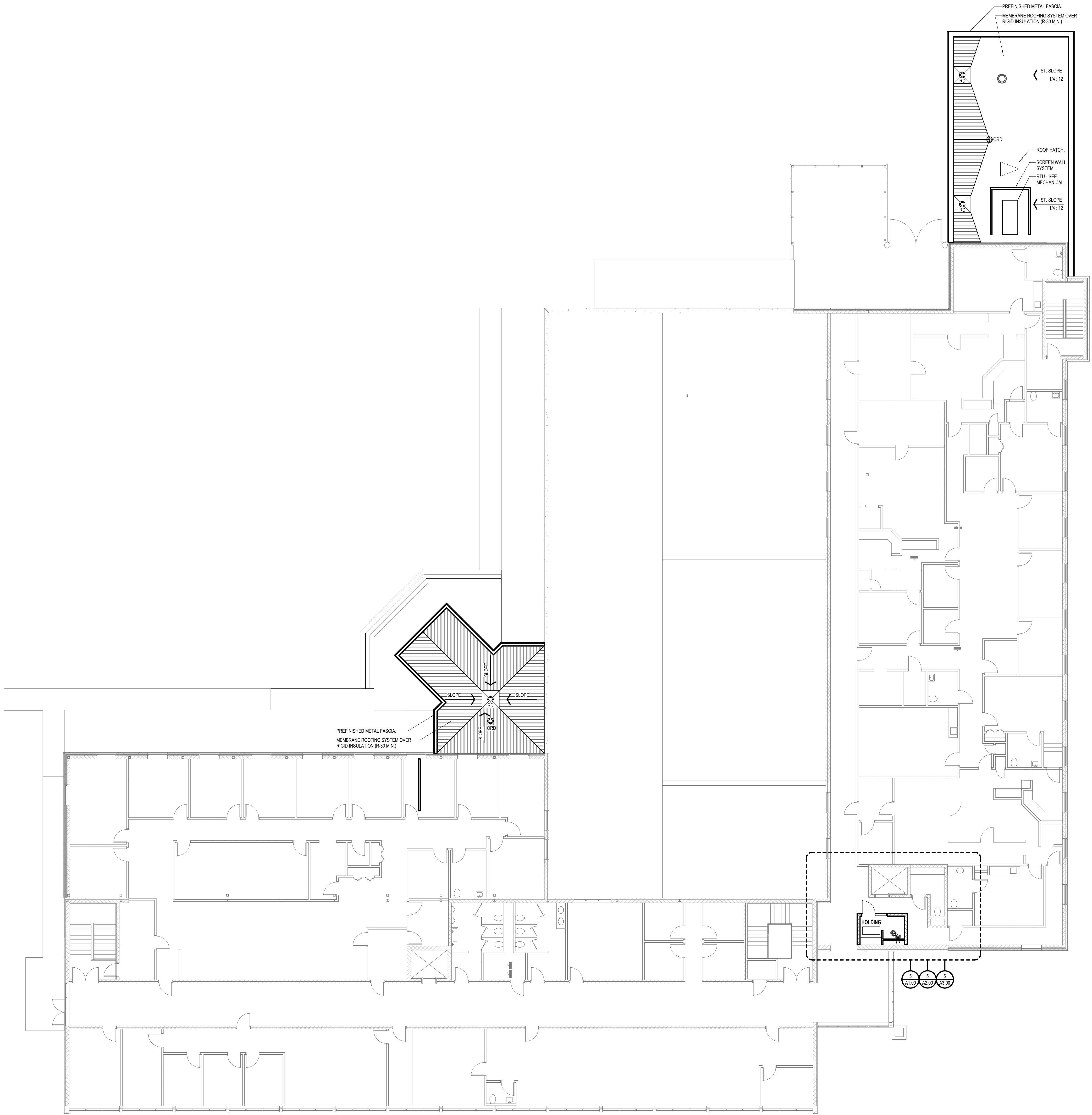
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OVERALL FIRST FLOOR PLAN



OVERALL SECOND FLOOR PLAN

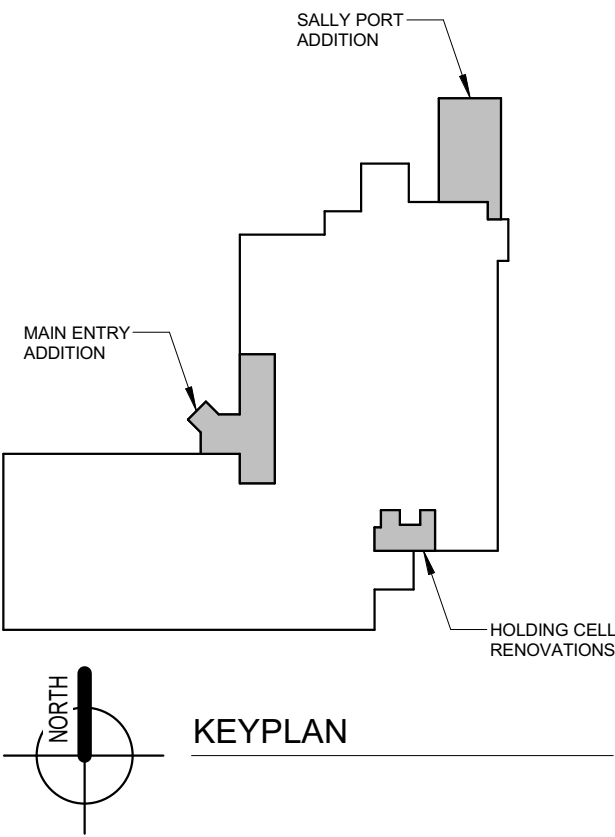
3/32" = 1'-0"

ROOF PLAN NOTES

1. ALL ROOF DETAILS - LOCATED ON SHEET A7.01.
2. REFER TO PLUMBING DRAWINGS FOR LOCATION AND NUMBER OF PLUMBING VENTS THRU ROOF.
3. REFER TO MECHANICAL DRAWINGS TO COORDINATE ALL ROOF PENETRATIONS & LOCATIONS.
4. PROVIDE 1/2" TAPERED CRICKETS AT ALL ROOF HATCHES AND MECHANICAL ROOF PENETRATIONS UNLESS OTHERWISE NOTED. TAPER SHALL PROVIDE DRAINAGE AROUND HATCH AND EQUIPMENT.
5. SEE SPECIFICATION FOR ROOFING SYSTEM TO BE USED AND ROOF PLAN FOR LOCATIONS OF TAPERED INSULATION AND OR SLOPE CHANGES OF ROOF.
6. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL SQUARE FOOTAGE VALUES NOTED ON PLANS.
7. SCUPPER LOCATIONS TO BE COORDINATED SO THAT THEY DO NOT APPEAR OVER DOORS, WINDOWS OR MECHANICAL LOUVERS.
8. STANDARD ROOF ABBREVIATIONS
RD = ROOF DRAIN
ORD = OVERFLOW ROOF DRAIN
EF = EXHAUST FAN
IV = INTAKE VENT
RTU = ROOF TOP UNIT
RV = RELIEF VENT

ROOF PLAN LEGEND

- TAPERED RIGID INSULATION (4" SECTIONS)
1/4" PER FOOT SLOPE UNLESS OTHERWISE NOTED
- TAPERED RIGID INSULATION (4" SECTIONS)
@ 1/2" SLOPE PER FOOT AT CRICKETS
CRICKETS SLOPE TO ROOF DRAINS
- ST. SLOPE → DIRECTION OF STRUCTURAL ROOF SLOPE (SEE STRUCTURAL PLANS FOR ROOF FRAMING SLOPES).
- SLOPE → DIRECTION OF ROOF SLOPE WITH TAPERED INSULATION.
- ⊙ STANDARD ROOF DRAIN.
- + 7 1/4" THICKNESS OF TAPERED INSULATION AT PERIMETER OR DRAIN (NOT INCLUDING BASE INSULATION THICKNESS).
- ⊠ ROOF HATCH.
- ⊞ ROOF WALKWAY PAD (SEE SPEC. FOR MATERIAL).



ISSUANCES

04.24.2020 SCHEMATIC DESIGN

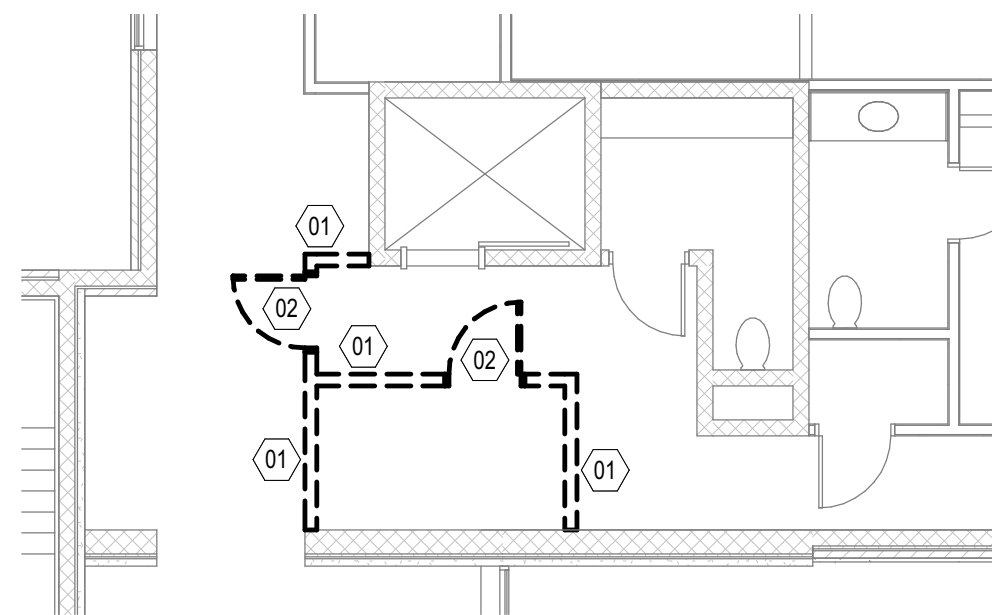
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OVERALL SECOND FLOOR PLAN

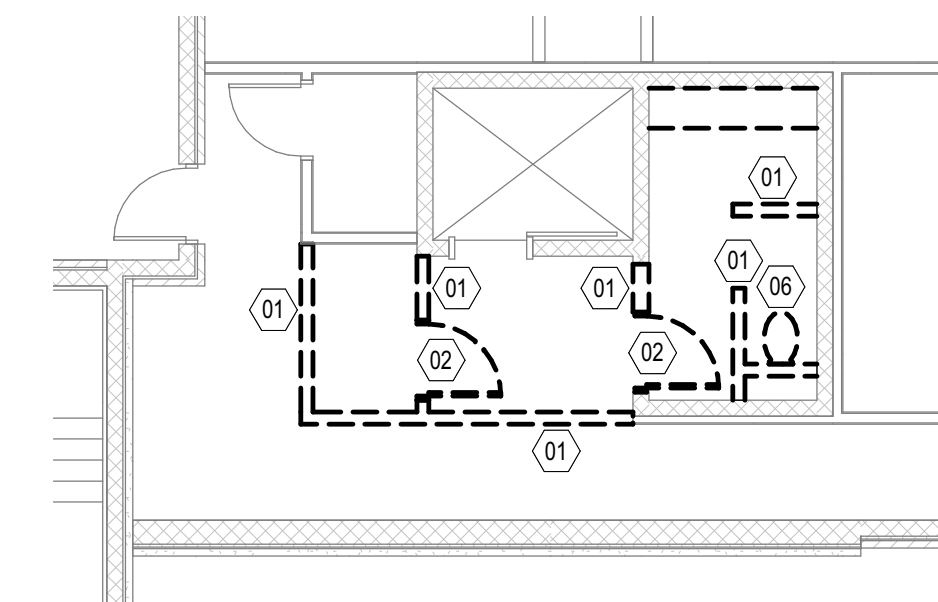


5 SECOND FLOOR HOLDING CELLS PARTIAL DEMOLITION PLAN
1/8" = 1'-0"

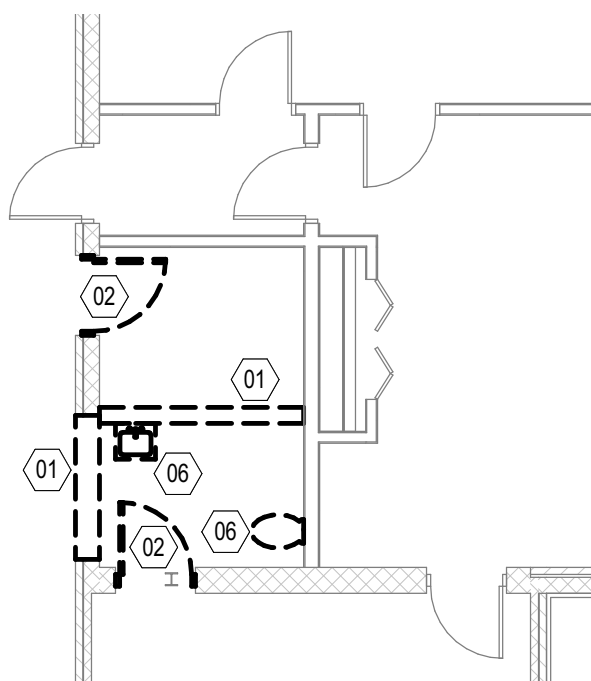
DEMOLITION LEGEND	
	EXISTING WALL TO BE DEMOLISHED.
	PORTION OF EXISTING WALL TO BE DEMOLISHED.
	EXISTING OBJECT TO BE DEMOLISHED.
	AREA OF FLOOR CUTTING.
	EXISTING WALL TO REMAIN.
	EXISTING OBJECT TO REMAIN.
	DEMOLITION TAG; SEE DEMOLITION NOTES.

DEMOLITION NOTES

- DEMOLITION CONTRACTOR IS TO STOP WORK IMMEDIATELY IN AREA IF ASBESTOS IS ENCOUNTERED. NOTIFY CONSTRUCTION MANAGER OF SUSPECTED AREA SO PROPER ABATEMENT CAN BE DONE. (UNDER A SEPARATE ASBESTOS ABATEMENT CONTRACT AS NEGOTIATED BY OWNER).
- ALL MASONRY BLOCK AND BRICK WALLS TO BE REMOVED MUST BE TOOTHED TO RECEIVE NEW MASONRY, UNLESS NOTED OTHERWISE ON DRAWINGS.
- DEMOLITION CONTRACTOR IS TO PROVIDE TEMPORARY SHORING AND BRACING FOR EXISTING ROOF/FLOOR STRUCTURE AS REQUIRED UNTIL PERMANENT WALLS & LINTELS ARE INSTALLED. REFER TO STRUCT. & ARCH. DIVS. FOR BEARING CONDITIONS.
- ALL TRADES ARE TO COORDINATE ANY DEMOLITION, CAPPING OR ABANDONMENT OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL ITEMS.
- ALL ITEMS TO BE SAVED AND/OR RELOCATED ARE TO BE STORED IN A PROPER MANNER SO NO DAMAGE WILL OCCUR TO THESE ITEMS DURING THEIR STORAGE PERIOD.
- ALL DEMOLITION WHICH DAMAGES ADJACENT SURFACES IS TO BE REPAIRED TO MATCH THE EXISTING SURFACE DAMAGED MATERIALS & FINISHES) AND ALL REPAIR WORK IS TO BE COORDINATED WITH NEW CONSTRUCTION FOR NEW OPENINGS IN EXISTING WALLS. COORDINATE NEW LINTELS W/ MASONRY CONTRACTOR.
- PATCH WALLS & ROOF TO MATCH EXISTING CONSTRUCTION BEHIND REMOVAL OF WALL LOUVERS, EXHAUST FANS, INTAKE HOODS & CABINET HEATERS. VERIFY SEQUENCE OF REMOVAL W/ CONSTRUCTION MANAGER. SEE MECHANICAL AND ELECTRICAL DEMO SHEETS FOR WALL, ROOF & FLOOR OPENINGS TO BE PATCHED.
- ALL TRADES ARE TO COORDINATE THE REMOVAL OF EXISTING LOOSE EQUIPMENT WITH ARCHITECT AND/OR OWNER. ADDITIONAL EQUIPMENT FOUND THAT IS NOT NOTED ON DEMOLITION PLAN SHALL BE REMOVED AS PART OF GENERAL DEMOLITION AFTER VERIFICATION WITH ARCHITECT/OWNER.

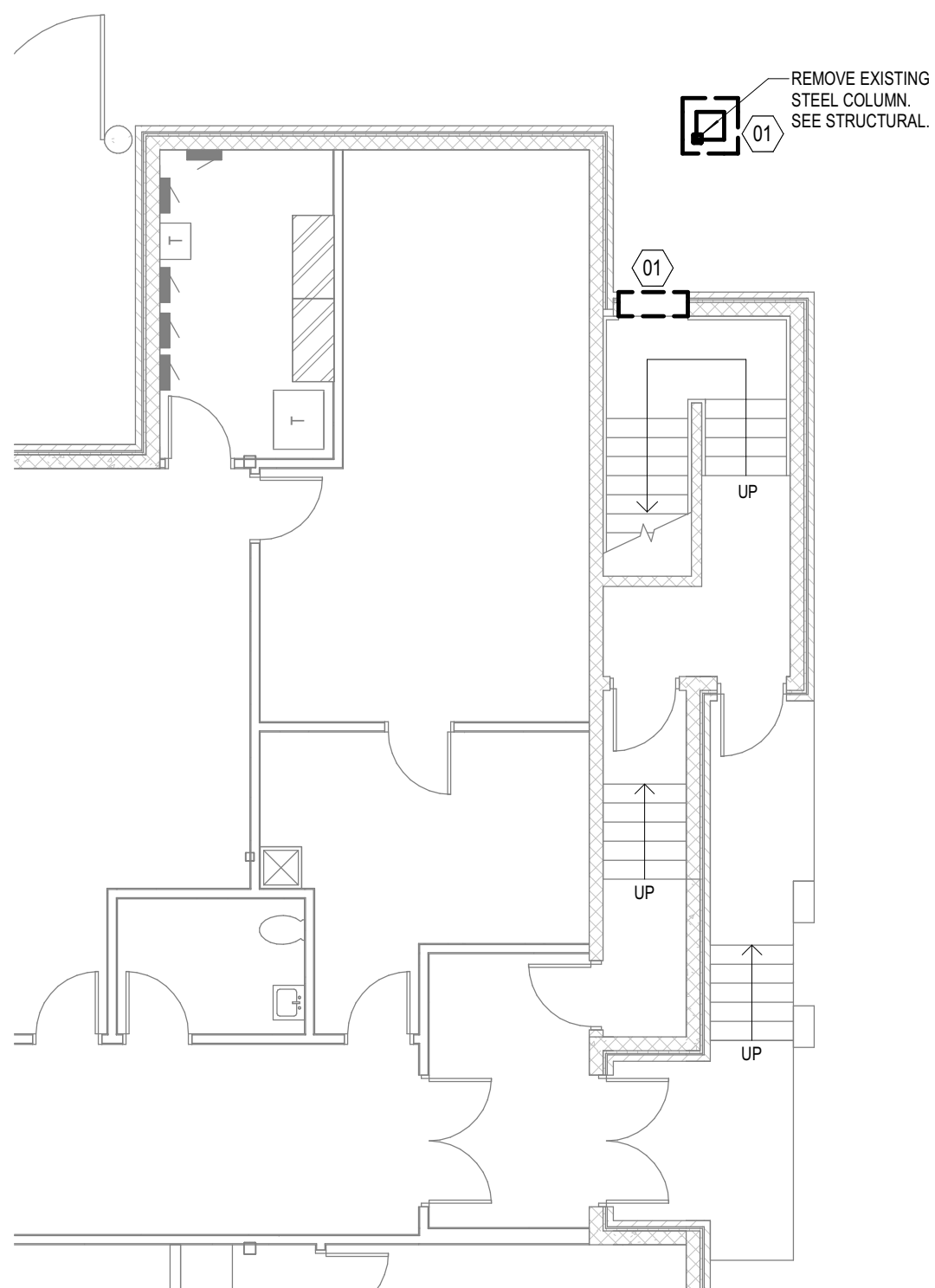


4 FIRST FLOOR HOLDING CELLS PARTIAL DEMOLITION PLAN
1/8" = 1'-0"

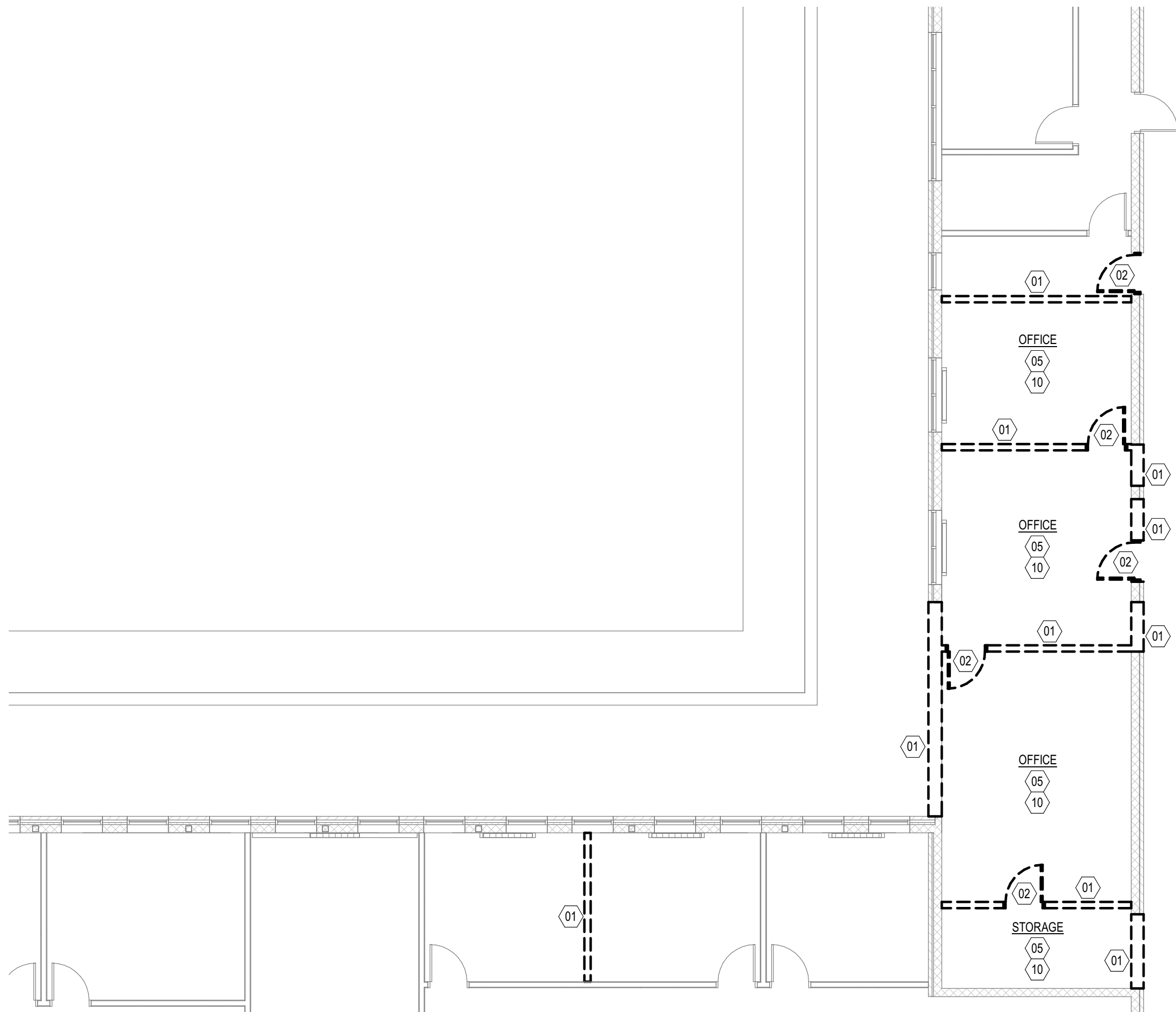
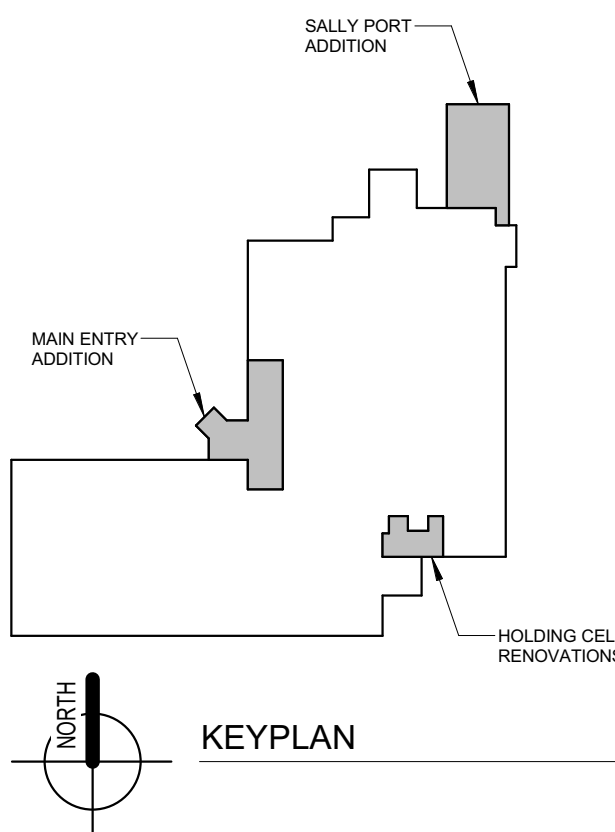


3 LOWER LEVEL HOLDING CELL PARTIAL DEMOLITION PLAN
1/8" = 1'-0"

- REMOVE EXISTING WALL INCLUDING DOORS, WINDOWS, BORROWED LITES, AND ANY EQUIPMENT OR FURNISHINGS ATTACHED TO WALL OR PORTION OF EXISTING WALL AS SHOWN ON FLOOR PLAN (MIN. 4" BELOW FLOOR SLAB) AND AS REQUIRED FOR NEW CONSTRUCTION. FLOOR SURFACE TO BE PATCHED AS REQUIRED TO RECEIVE NEW FLOOR MATERIAL. WALL SURFACE TO BE PATCHED AS REQUIRED TO RECEIVE NEW WALL FINISH. SEE MECHANICAL/ELECTRICAL DEMOLITION NOTES FOR RELATED ITEMS. SUPPORT UNBRACED SECTIONS OF WALL OR ROOF AS REQUIRED.
- REMOVE EXISTING BORROWED LITE OR DOOR & DOOR FRAME, DOOR LITEL TO REMAIN UNLESS OTHERWISE NOTED ON PLAN. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. WHERE DOOR FRAMES ARE TO REMAIN, PROTECT FRAMES FROM DAMAGE. SAND AND PREP FOR NEW PAINT FINISH UNDER SECTION 09 00 00. SEE DOOR SCHEDULE FOR REQUIRED NEW DOORS AND FRAMES OR ONLY NEW DOORS.
- SAW CUT AND REMOVE FLOOR OR PORTION OF EXISTING FLOOR SLAB AS SHOWN OR DIMENSIONED ON FLOOR PLAN. EXCAVATE, FILL, & COMPACT SOIL AS REQUIRED FOR NEW SLAB. COORDINATE WITH MECHANICAL/ELECTRICAL DEMOLITION NOTES FOR RELATED ITEMS & LOCATIONS. INSTALL NEW SLAB TO MATCH EXIST. ELEVATION. SEE STRUCTURAL FOR ADDITIONAL INFORMATION REGARDING SLAB REMOVAL.
- REMOVE EXISTING CASEWORK/MILLWORK, COUNTER TOPS & BACK SPLASH. SAVE ITEMS AT OWNER'S REQUEST.
- REMOVE EXISTING SUSPENDED PLASTER CEILING INCLUDING ALL FRAMING, TILES, TEES, HANGERS & WIRES USED TO SUPPORT THAT CEILING. REPLACE PER REFL. CEILING PLANS.
- SEE MECHANICAL DEMOLITION NOTES FOR REMOVAL OF EXIST. PLUMBING/MECHANICAL (i.e. JUA VENTERS, SINKS, WATER CLOSETS, URINALS, FIN TUBES, MECH. DUCTWORK, INT. VENTS, ETC.).
- REMOVE EXISTING WINDOW, WINDOW WALL WITH ALUMINUM FRAMING WITH METAL PANELS BELOW WINDOW, FRAME, SILL & GLAZING INCLUDING ALL EXISTING WOOD BLOCKING AND FRAMING ABOVE WINDOWS TO ROOF AND/OR MASONRY TIES AT BROCK PIERS AND SIDE WALLS.
- REMOVE EXISTING EQUIPMENT OR FURNISHINGS SECURED TO FLOOR, WALL OR CEILING AND STORE FOR REUSE BY OWNER.
- REMOVE EXISTING CHALK, TACK OR WHITE BOARD. REMOVE ALL GLUE RESIDUE, ETC. FROM BLOCK BEHIND BOARD AND PREPARE SURFACE FOR NEW FINISH MATERIALS WHERE REQUIRED.
- REMOVE EXISTING FLOOR COVERING AND BASE, INCLUDING ALL GLUE RESIDUE, MUDDERS, ETC. FROM FLOORS & WALLS AND PREPARE SURFACE FOR NEW FINISH MATERIALS, INCLUDING GRINDING, PATCHING AND/OR SELF-LEVELING COMPOUND AS REQUIRED. WALL & FLOOR SURFACE TO RECEIVE NEW FINISH MATERIAL & PATCH TO MATCH EXISTING.
- REMOVE PORTION OF EXISTING ROOF & STRUCTURE (AS SHOWN ON DEMOLITION PLAN). PROVIDE TEMPORARY WEATHER PROTECTION AS NEEDED AROUND PERIMETER OF ROOF REMOVAL AS REQUIRED. PROVIDE TEMPORARY SHORING & BRACING AS REQUIRED.
- REMOVE EXISTING TOILET PARTITION, DISPENSERS AND/OR TOILET ACCESSORIES AND REPAIR ADJACENT SURFACES TO RECEIVE NEW FINISHES.
- REMOVE EXISTING LOCKERS AND LOCKER BASE. CUT SLOPED LOCKER TOP & BASE AS NECESSARY. RE-USE/RELOCATE EXISTING END PANEL AS REQUIRED. REUSE & PREPARE FOR NEW FINISHES.
- REMOVE EXISTING MEZZANINE INCLUDING ALL SUPPORT FRAMING, FLOOR DECK, HANGERS AND ALL ADDITIONAL RELATED MATERIALS. REPAIR WALL TO MATCH ADJACENT WALL MATERIALS AND FINISH.
- REMOVE EXISTING TERRAZZO FLOORING, CONCRETE SLAB AND COVERED BASE. REFER TO ROOM FINISH SCHEDULE FOR NEW FLOORING.
- REMOVE EXISTING BASKETBALL BACKBOARD AND ALL RELATED HANGERS, FASTENERS AND FRAMING TO STRUCTURE ABOVE.
- REMOVE EXISTING WALL TILE AND TILE BASE, INCLUDING ALL GLUE RESIDUE, ETC. FROM FLOOR & WALLS AND PREPARE SURFACE FOR NEW FINISH MATERIALS. WALL & FLOOR SURFACE TO RECEIVE NEW FINISH MATERIAL & PATCH TO MATCH EXISTING.
- REMOVE EXISTING DOOR LEAF AND ALL RELATED HARDWARE. EXISTING DOOR FRAME TO REMAIN IN PLACE. PREPARE EXISTING FRAME TO RECEIVE NEW DOOR LEAF AND FINISH HARDWARE. SEE FLOOR PLAN AND DOOR SCHEDULE.



1 SALLY PORT ADDITION PARTIAL DEMOLITION PLAN
1/8" = 1'-0"



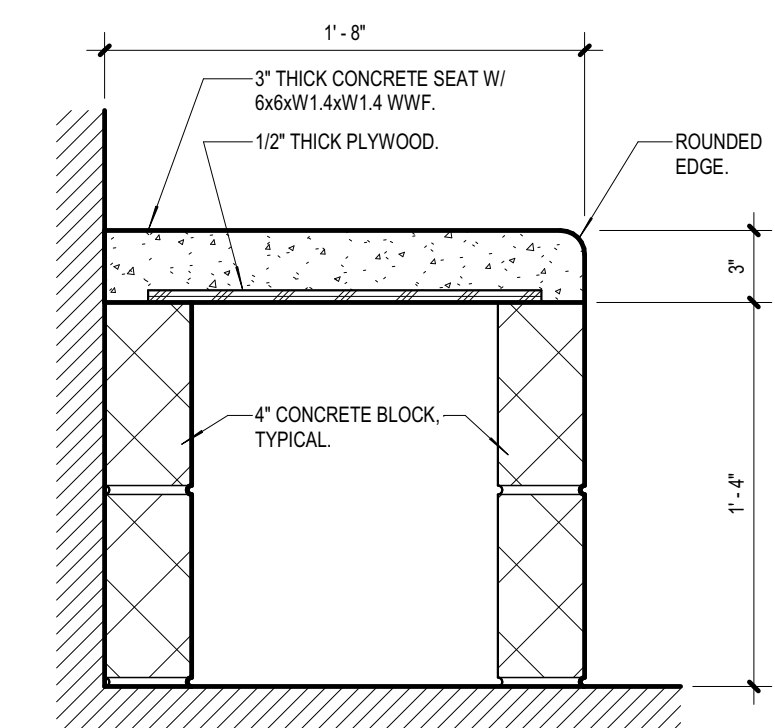
2 MAIN ENTRY ADDITION PARTIAL DEMOLITION PLAN
1/8" = 1'-0"

GENERAL FLOOR PLAN NOTES

- DIMENSIONS GIVEN ARE TO THE FACE OF MASONRY UNITS OR TO THE FINISHED FACE OF METAL STUD PARTITION WALLS.
- REFERENCE STRUCTURAL DRAWINGS FOR CONCRETE SLAB SIZES AND SLAB RELATED INFORMATION.
- INTERIOR STUD WALLS ARE TO USE 3/8" METAL STUD FRAMING UNLESS OTHERWISE NOTED.
- TURN UP VAPOR RETARDER MATERIAL AT JOINTS BETWEEN FLOOR SLAB AND FOUNDATION WALL UNLESS NOTED OTHERWISE.
- SEE FOUNDATION PLANS FOR FLOOR SLAB RECESSES FOR TILE, WOOD FLOOR, ETC. (VERIFY RECESS REQUIRED BY MFR.)
- EXTEND ALL INTERIOR WALL PARTITIONS (MASONRY OR STUDS) TO BOTTOM OF DECK ABOVE UNLESS NOTED OTHERWISE.
- REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ITEMS NOT SHOWN. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY CABINTRY, FRAMES, STRUCTURAL ITEMS, ETC.
- PROVIDE PAINTED ACCESS PANELS IN WALLS AND CEILINGS TO PROVIDE ACCESS TO CONCEALED ITEMS INCLUDING BUT NOT LIMITED TO VALVES, CONTROLS, MECH. EQUIPMENT ETC. ACCESS PANELS MAY NOT ALWAYS BE SHOWN ON PLANS. IT IS THE SUB CONTRACTOR RESPONSIBILITY TO DETERMINE LOCATIONS. COORDINATE LOCATIONS WITH OTHER GENERAL CONTRACTOR / SITE SUPERVISOR.
- COORDINATE WALLS WITH COLUMNS AND OTHER ENGAGED ITEMS. COLUMNS ARE TO BE CONTAINED WITHIN WALLS. THE FRAMING CONTRACTOR SHALL INCREASE FRAMING SIZE TO ACCOMMODATE COLUMNS, DRAIN LEADERS, PIPING, ELECTRICAL PANELS, ETC. WHERE WALLS REQUIRE EXTRA WIDTH THE ENTIRE WALL SHALL BE WIDENED UNLESS APPROVED BY ARCHITECT.
- ALL GUARDRAILS AND HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE 2015 I.B.C. AND ICC A117-1-2009 & AMERICANS WITH DISABILITIES ACT GUIDELINES. THE MOST STRINGENT SHALL PREVAIL.
- PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER DETAILS. SEE 00.01 FOR REQUIREMENTS.
- FOR ALL CABINTRY, SEE INTERIOR ELEVATIONS FOR LAYOUTS. FIELD VERIFY CLEAR WIDTHS PRIOR TO FABRICATION.
- ALL EXTERIOR BLOCK CORNERS ARE TO BE BULLNOSE BLOCK EXCEPT CONCRETE BLOCK COLUMNS. PERIS AND WALLS TO RECEIVE TILE UNLESS NOTED OTHERWISE.
- CONTRACTOR TO MAINTAIN / REPAIR DATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION / NEW CONSTRUCTION. TYPICAL THROUGHOUT.
- SEAL ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS WITH APPROVED FIRESTOPPING.
- WHERE SPECIALTY BLOCK IS REQUIRED AT THE SAME HEIGHT ON BOTH SIDES OF A WALL USE (2) SPECIALTY BLOCKS BACK TO BACK TO MAINTAIN THE FINISHED WALL APPEARANCE BOTH SIDES OF THE WALL. COORDINATE WITH STRUCTURE FOR UNITS CONDITIONS PER SPECIFICATIONS.
- WALLS TO BE PATCHED WITH LIKE MATERIALS WHERE EXISTING WALLS HAVE BEEN COMPROMISED FROM DEMOLITION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL AND REINSTALLATION OF CASEWORK AND WALL MOUNTED EQUIPMENT IN ORDER TO ACHIEVE SAID PATCH. IN AREAS WHERE BLOCK OR BRICK HAVE BEEN USED, NEW MASONRY TO BE TOOTHED IN AND MATCH EXISTING. AREAS AND FINISHES IN QUESTION SHALL BE COORDINATED WITH ARCHITECT.
- SEE STRUCTURAL FRAMING PLANS FOR ADDITIONAL WALL REINFORCING REQUIREMENTS. MINIMUM REINFORCING FOR ALL WALLS NOT OTHERWISE NOTED ON STRUCTURAL PLANS:
A. ALL BEARING WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5/8.
B. ALL EXTERIOR WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5/8.
C. ALL INTERIOR NON-BEARING WALLS OVER 10'-0" HIGH SHALL RECEIVE A MINIMUM REINFORCING OF R1-5/8.

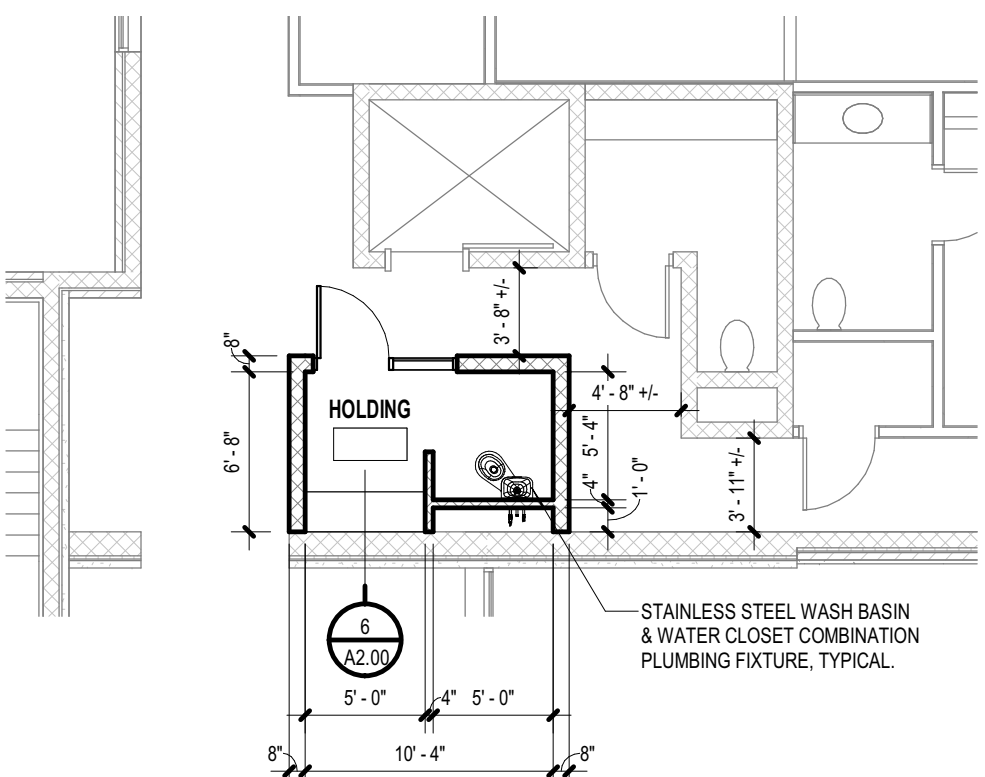
WALL LEGEND	
	5/8" GYP. BOARD BOTH SIDES 3/8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
	5/8" GYP. BOARD BOTH SIDES 8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
	CMU WALL SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN (8" TYPICAL U.N.O.)
	BRICK AND CMU WALL W/ 2" SPRAY APPLIED INSULATION SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS, BANDING, ETC. (3/8" BRICK & 8" CMU TYPICAL U.N.O.)
	CONCRETE WALL SEE STRUCTURAL PLANS FOR REQUIRED REINFORCING.

*FIRE RATINGS AS CALLED FOR ON CODE COMPLIANCE PLAN
DIMENSIONS GIVEN ARE TO THE FINISHED FACE OF CMU OR GYPSUM WALL BOARD UNLESS NOTED OTHERWISE

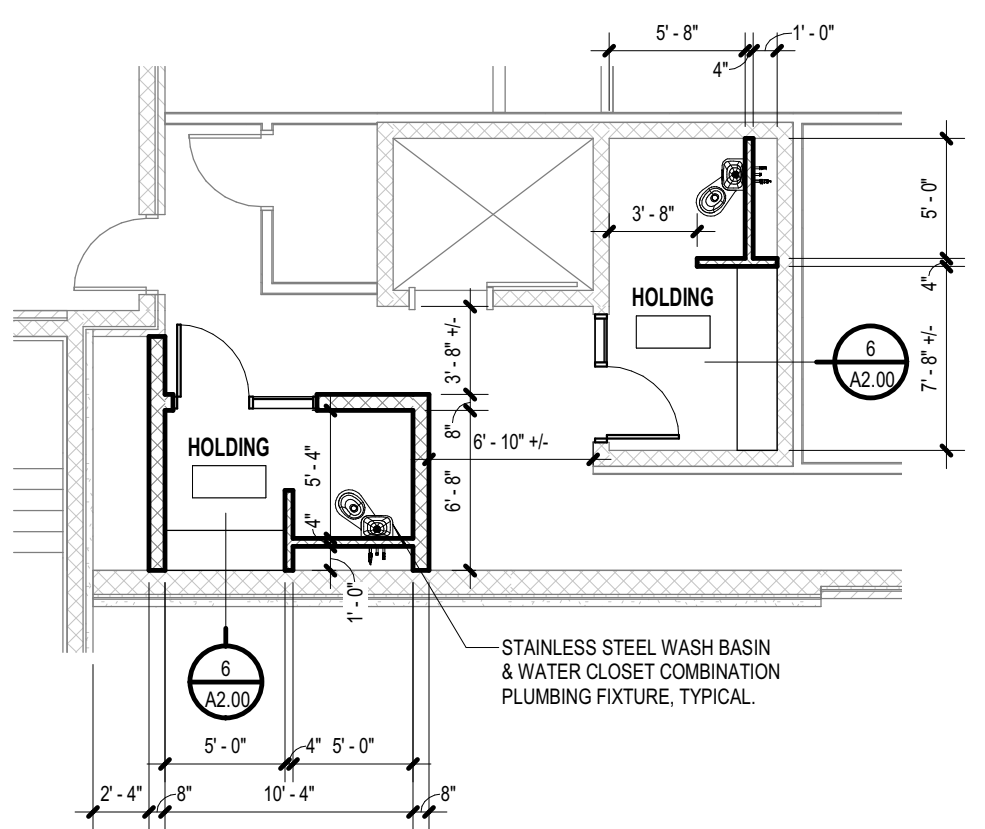


6 HOLDING CELL BENCH DETAIL
1/16" = 1'-0"

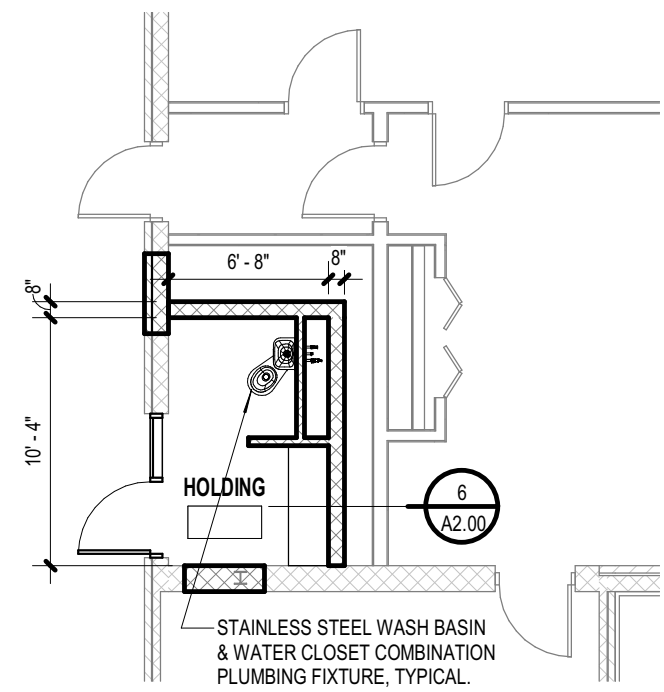
TOILET ACCESSORIES LEGEND (SEE SHEET 00.01 FOR MOUNTING HEIGHTS) (SEE SPECS.)	



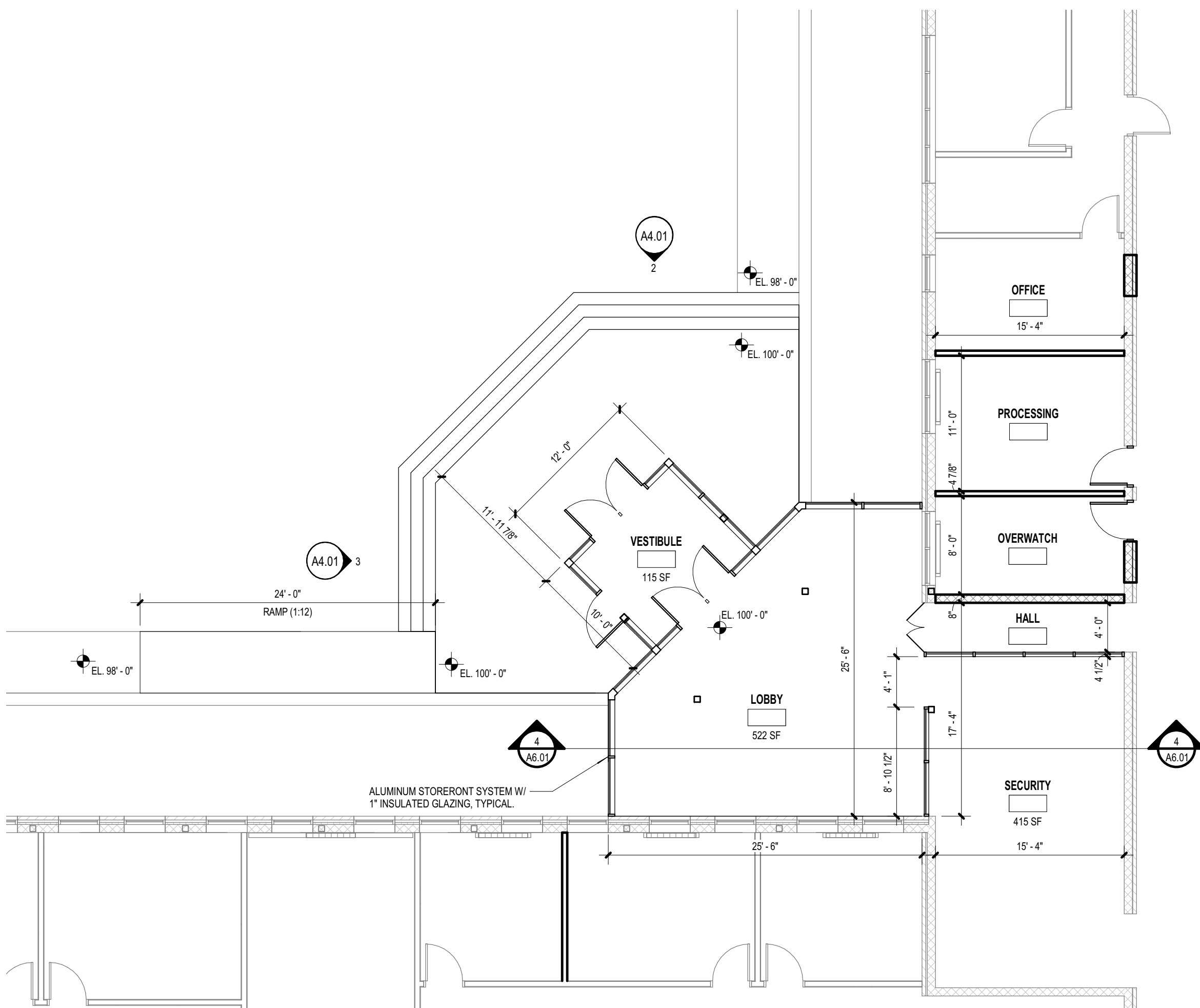
5 SECOND FLOOR HOLDING CELLS PARTIAL FLOOR PLAN
1/8" = 1'-0"



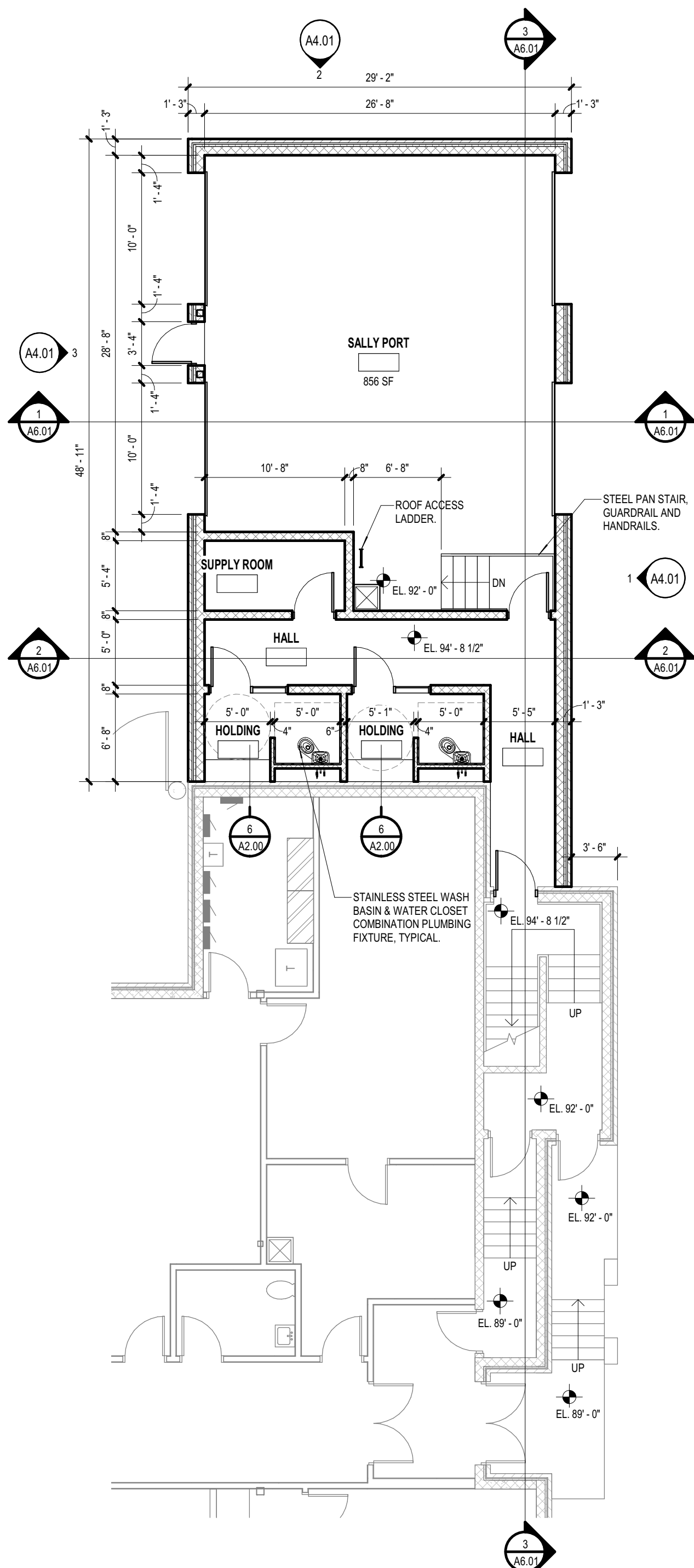
4 FIRST FLOOR HOLDING CELLS PARTIAL FLOOR PLAN
1/8" = 1'-0"



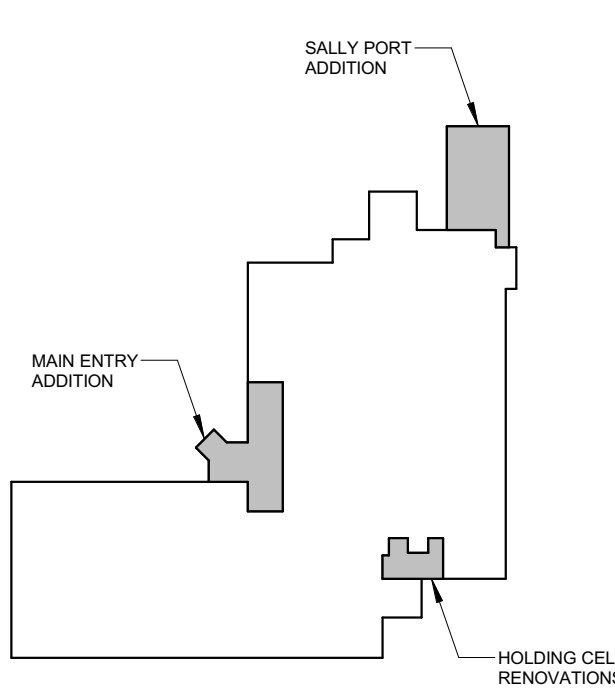
3 LOWER LEVEL HOLDING CELL PARTIAL FLOOR PLAN
1/8" = 1'-0"



2 MAIN ENTRY ADDITION PARTIAL FLOOR PLAN
1/8" = 1'-0"



1 SALLY PORT ADDITION PARTIAL FLOOR PLAN
1/8" = 1'-0"



KEYPLAN

ISSUANCES
04.24.2020 SCHEMATIC DESIGN

DRAWN BE
REVIEWED AH

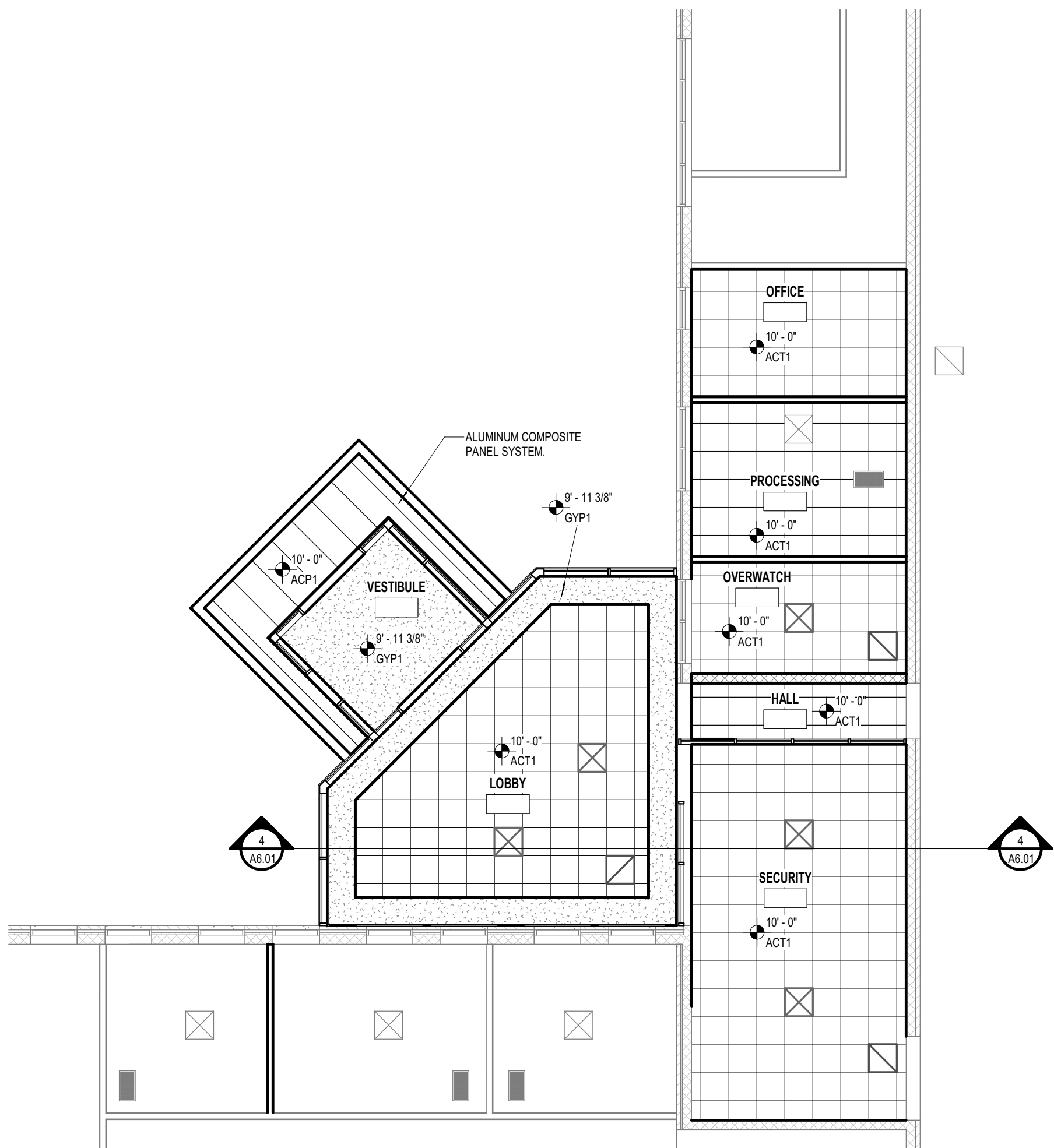
PROJECT NO. 5-5140

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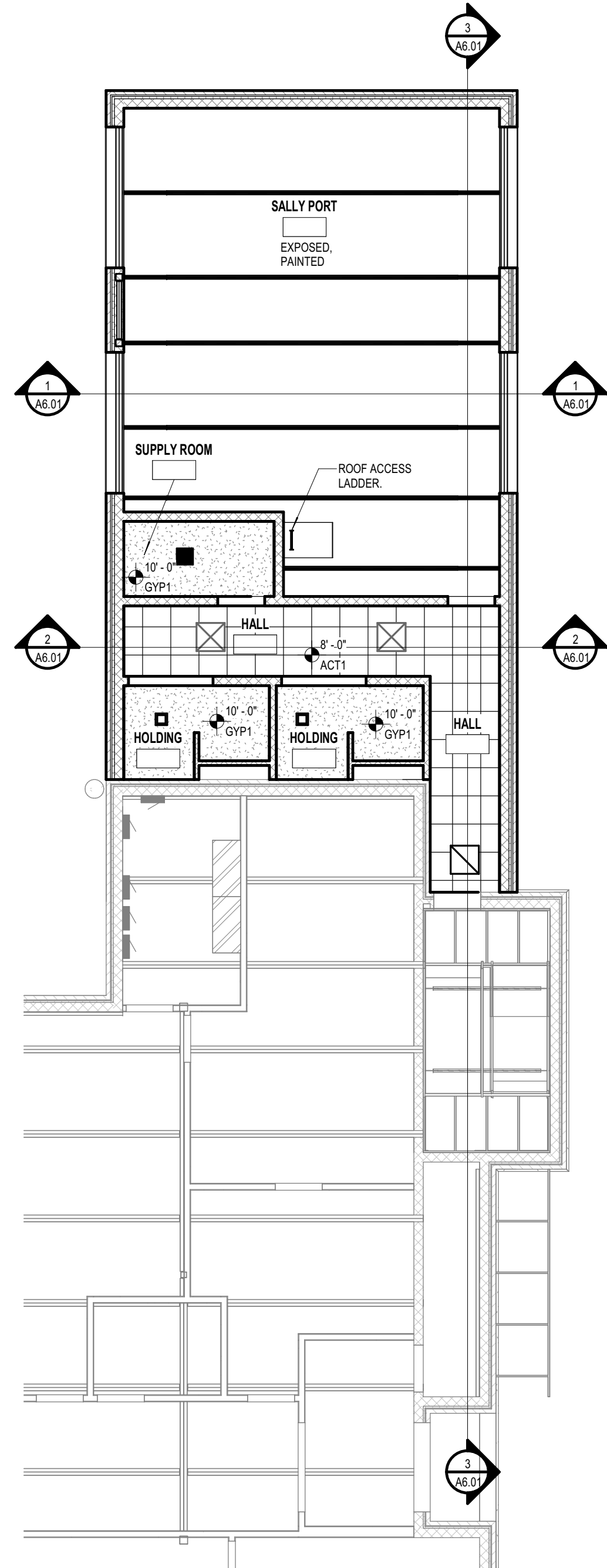
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PARTIAL FLOOR PLANS

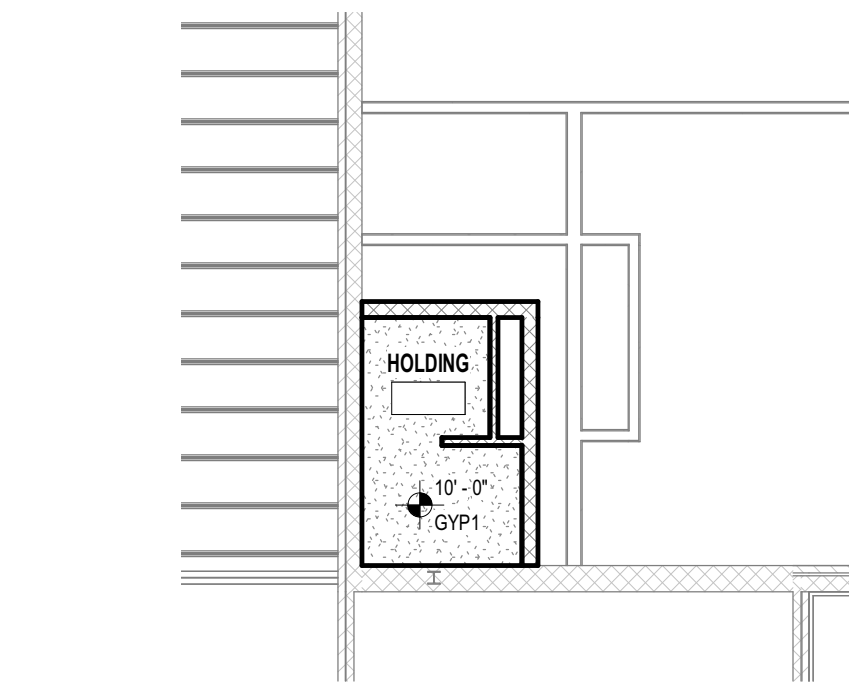
A2.00



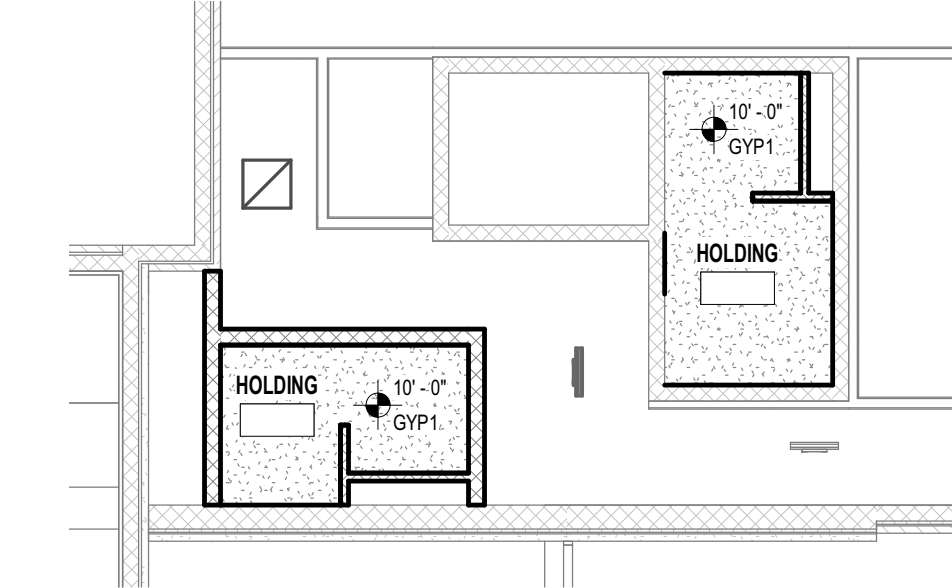
2
A3.00
MAIN ENTRY ADDITION PARTIAL CEILING PLAN
1/8" = 1'-0"



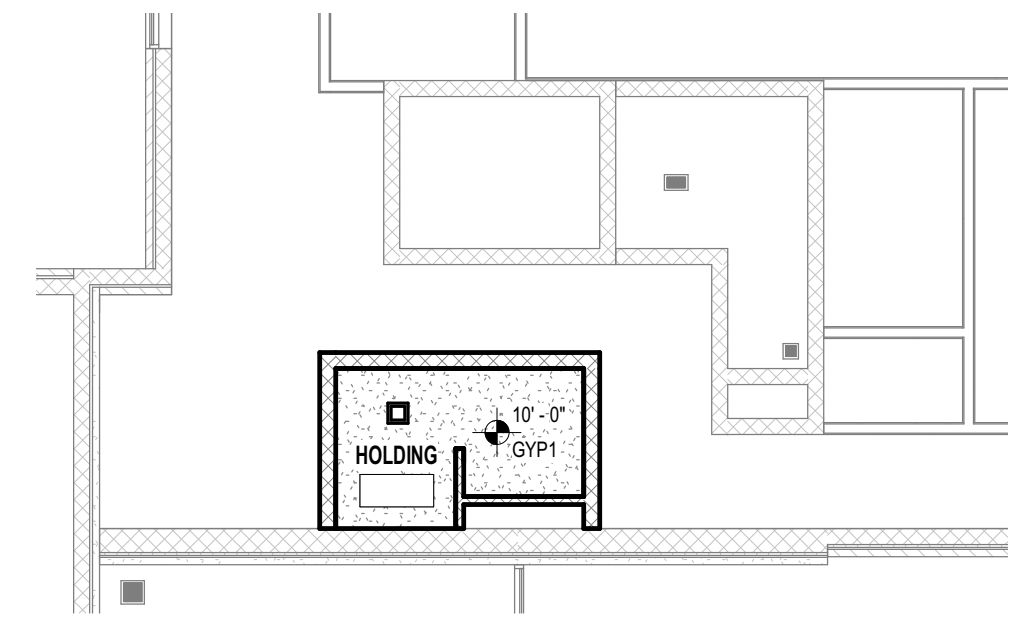
1
A3.00
SALLY PORT ADDITION PARTIAL CEILING PLAN
1/8" = 1'-0"



3
A3.00
LOWER LEVEL HOLDING CELL PARTIAL CEILING PLAN
1/8" = 1'-0"



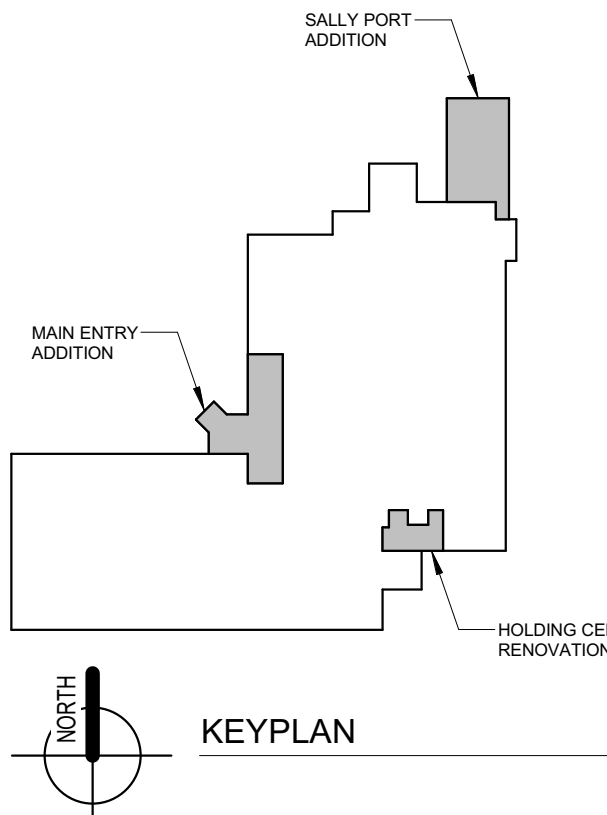
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A3.00
FIRST FLOOR HOLDING CELLS PARTIAL CEILING PLAN
1/8" = 1'-0"

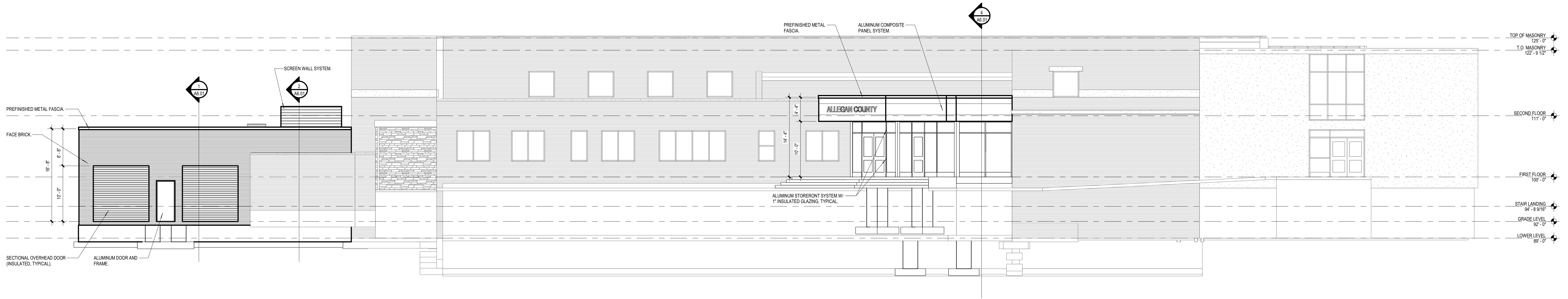


5
A3.00
SECOND FLOOR HOLDING CELLS PARTIAL CEILING PLAN
1/8" = 1'-0"

- GENERAL CEILING NOTES:
1. CONTRACTOR SHALL FOLLOW GRID PATTERN ESTABLISHED ON THE REFLECTED CEILING PLAN. ANY VARIATIONS SHALL BE APPROVED BY THE ARCHITECT.
 2. CEILING TILE TYPE AS SPECIFIED. CEILING HEIGHTS NOTED ON REFLECTED CEILING PLANS. CEILING ELEVATIONS ARE FROM THAT ROOM'S FINISH FLOOR.
 3. WIRE CEILING FROM STRUCTURE ABOVE AND WIRE FOR ADDITIONAL LOAD AT LIGHTS AND CEILING DIFFUSERS.
 4. UNLESS OTHERWISE NOTED, CEILING TO BE SUSPENDED METAL TEE AND ACOUSTICAL TILE 2'-0" x 2'-0" OR 2'-0" x 4'-0" TYPICAL. SEE SPECIFICATIONS FOR MANUFACTURER AND STYLE.
 5. PENDANT MOUNTED FIXTURES CENTERED ON GRID REQUIRE GRID TO BE CUT AND SUPPORTED ON EACH SIDE.
 6. MOUNT SPEAKERS AND SUPPLY AIR DIFFUSERS IN THE CENTER OF WHOLE CEILING PANELS. ADHERE A RIGID PANEL BACKER TO PANELS AT LOCATIONS WHICH INDICATE SPEAKERS, DIFFUSERS, LIGHTS, SMOKE DETECTORS, EXIT LIGHTS AND FIRE PROTECTION SPRINKLERS.
 7. PROVIDE 2'-0" CEILING GRID CROSS-TEE AT EACH RETURN AIR GRILLE.
 8. PROVIDE AN ADDITIONAL CROSS-TEE AT EACH SLOT DIFFUSER.
 9. REFER TO THE MECHANICAL DRAWINGS FOR LOUVERS REQUIRED TO BE FRAMED IN GYPSUM BOARD BULKHEADS.
 10. ALL CEILING HEIGHTS ARE SUBJECT TO CHANGE TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS - COORDINATE CHANGES WITH ARCHITECT & AFFECTED DISCIPLINES.
 11. SOME CORRIDOR CEILING PANEL LAYOUTS HAVE BEEN ADJUSTED AT A CHANGE IN CORRIDOR DIRECTION TO ACCOMMODATE LIGHTING LAYOUT.

CEILING LEGEND	
	DIRECT EXTERIOR FINISH SYSTEM
	GYPSUM BOARD CEILING
	PRE-FINISHED VENTED METAL SOFFIT
	RECESSED 24" LIGHT FIXTURE
	RECESSED 14" LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	SURFACE / PENDANT MOUNT FIXTURE
	PENDANT MOUNT FIXTURE
	SURFACE MOUNT FIXTURE
	SURFACE / PENDANT MOUNT FIXTURE
	FIXTURE IS DESIGNATED FOR EMERGENCY OPERATION
	SINGLE FACE EXIT SIGN
	DOUBLE FACE EXIT SIGN
	WALL MOUNTED EXIT SIGN
	OCCUPANCY SENSOR
	FIRE ALARM - VISUAL
	FIRE ALARM - AUDIOVISUAL
	ALUMINUM SOFFIT
	PA SPEAKER
	SMOKE DETECTOR
	SUPPLY GRILLE / DIFFUSER
	RETURN GRILLE / DIFFUSER
	SLOT DIFFUSER
	MECHANICAL EQUIPMENT
	ACCESS DOOR
	CONTINUOUS SOFFIT VENT
	SOFFIT GRILLE (8x16 U.O.N.)
	C.J. CONTROL JOINT
	CUT TILE

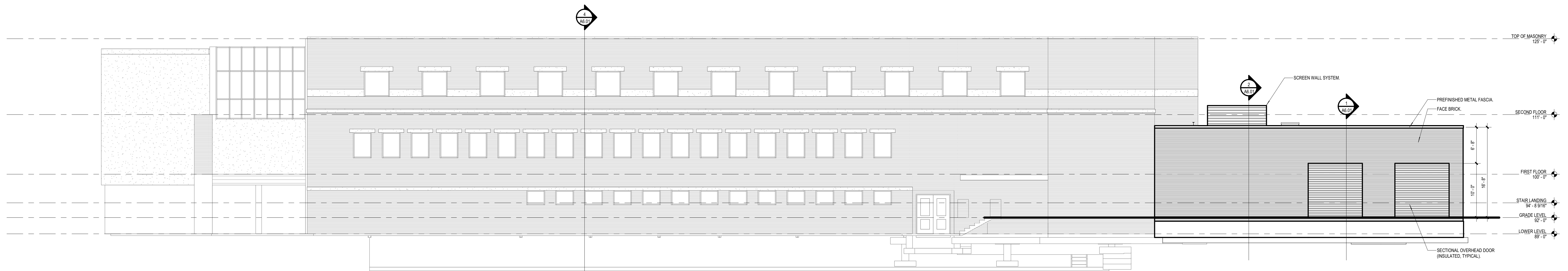




3 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

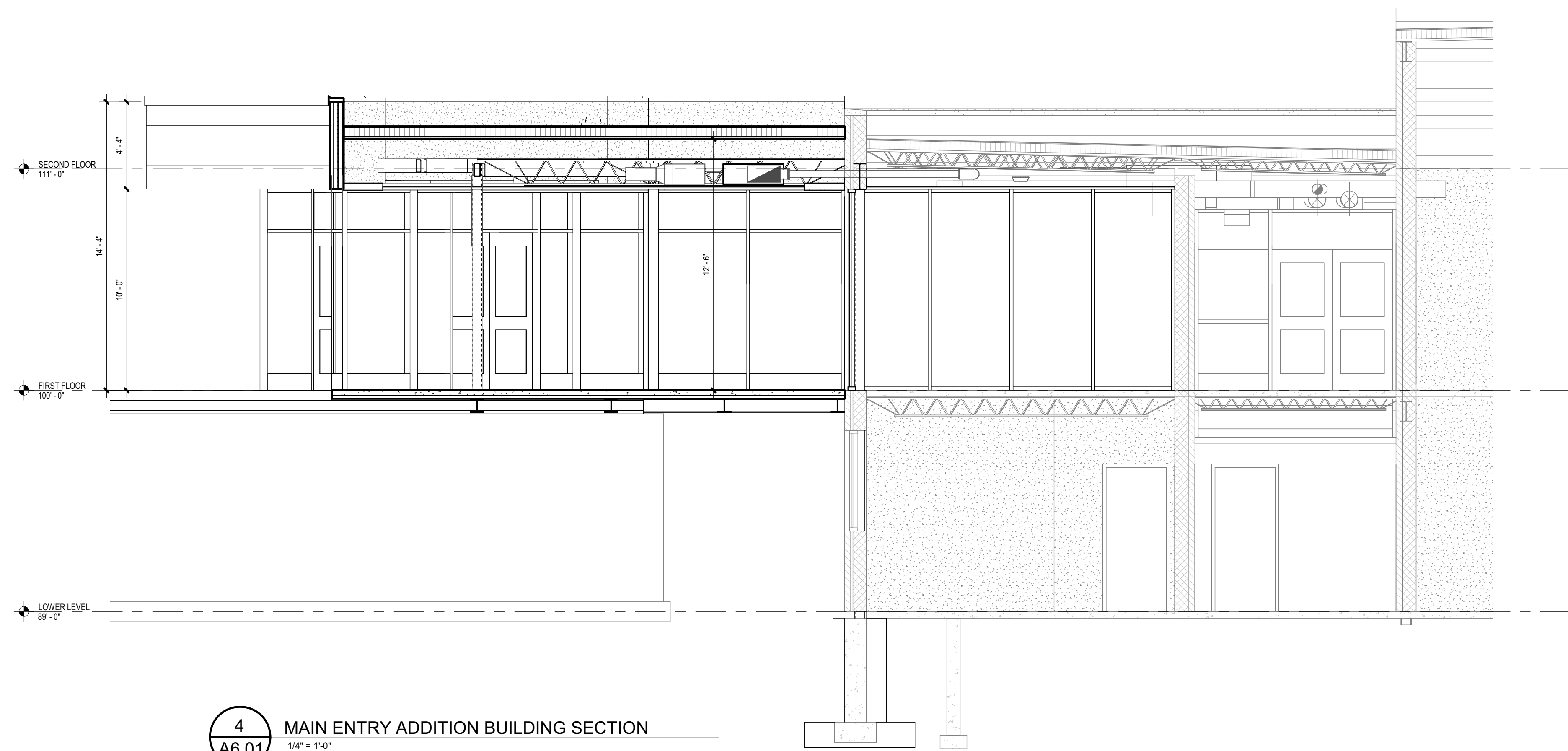


2 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"

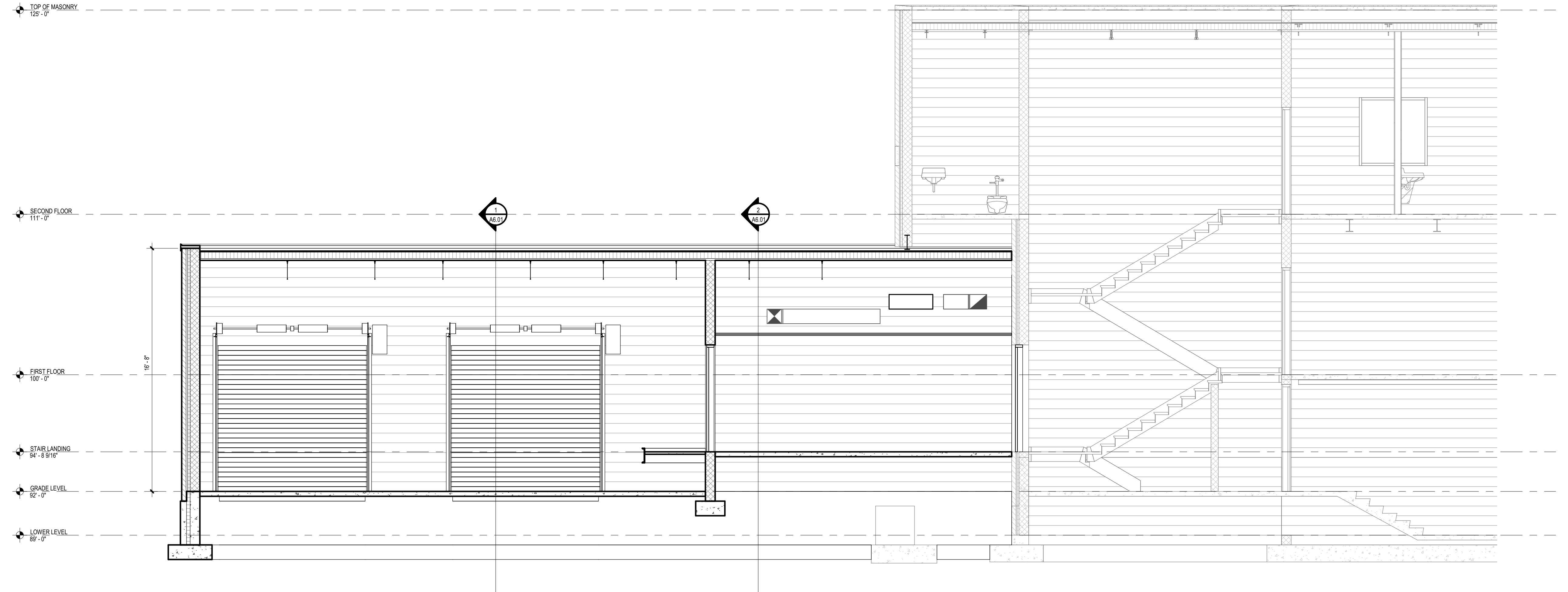


1 EAST EXTERIOR ELEVATION
1/8" = 1'-0"

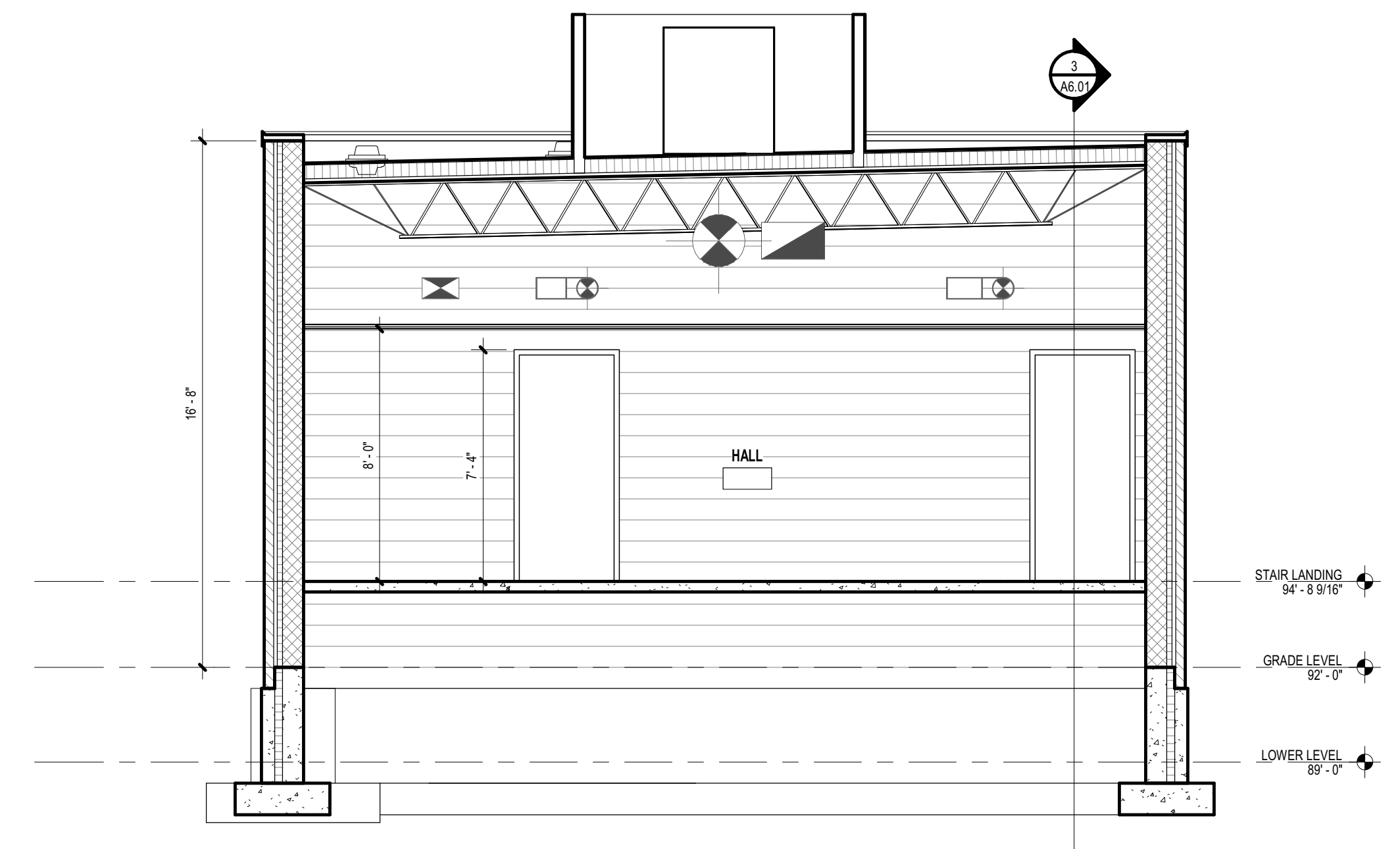
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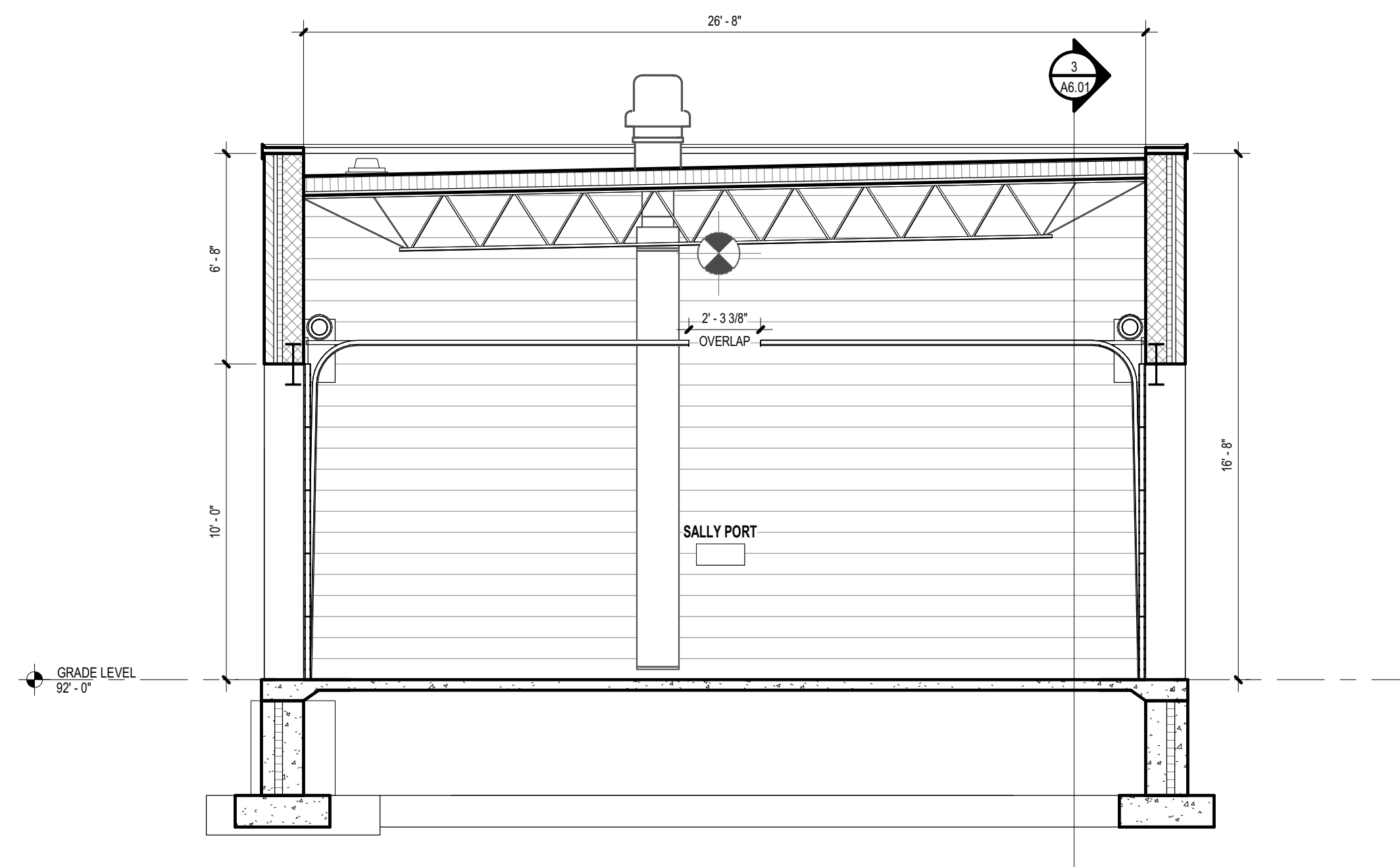
4 MAIN ENTRY ADDITION BUILDING SECTION
1/4" = 1'-0"



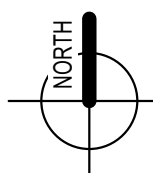
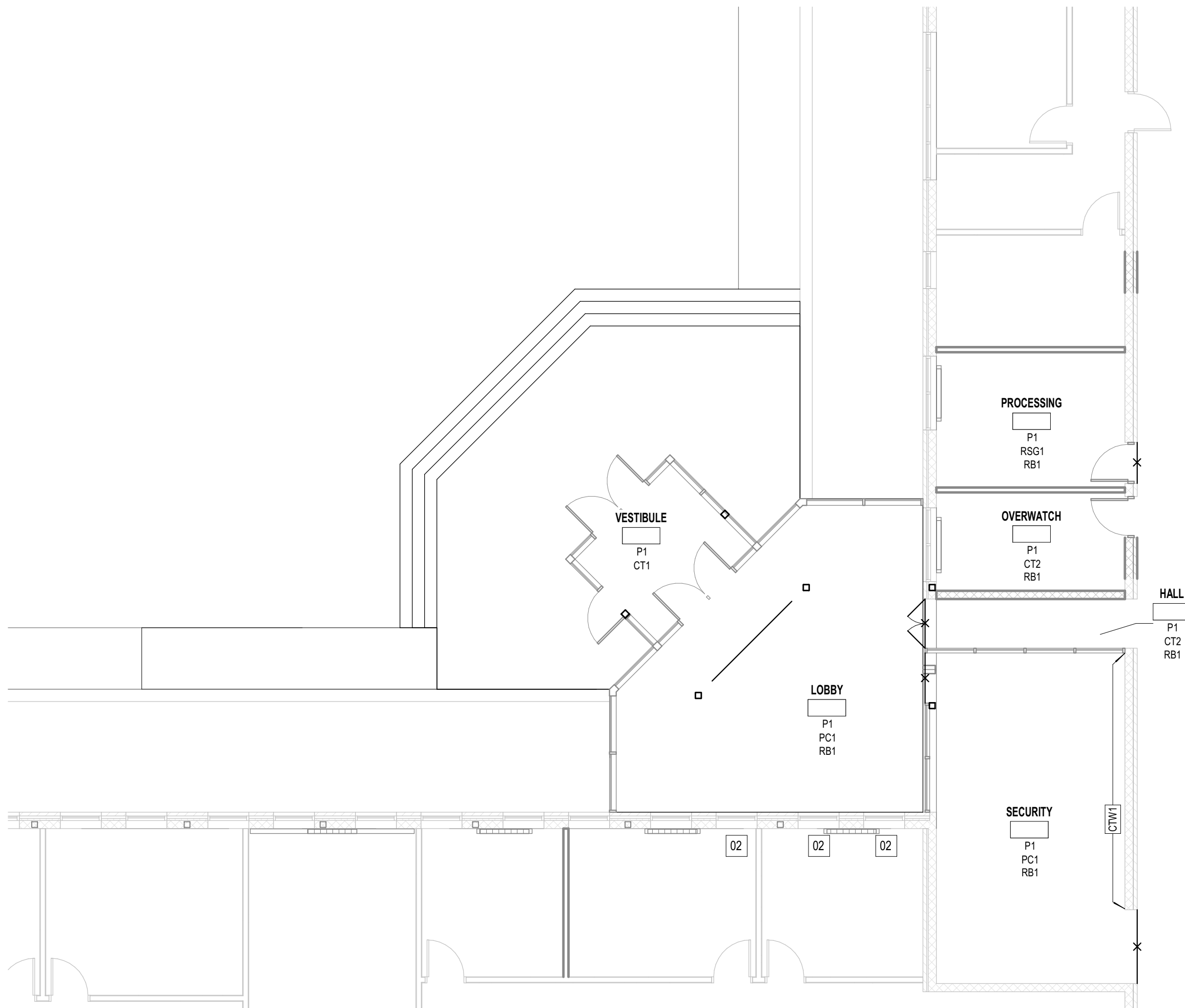
3 SALLY PORT ADDITION LONGITUDINAL SECTION
1/4" = 1'-0"



2 SALLY PORT ADDITION CROSS SECTION 2
1/4" = 1'-0"

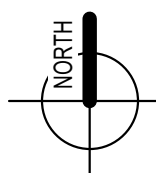
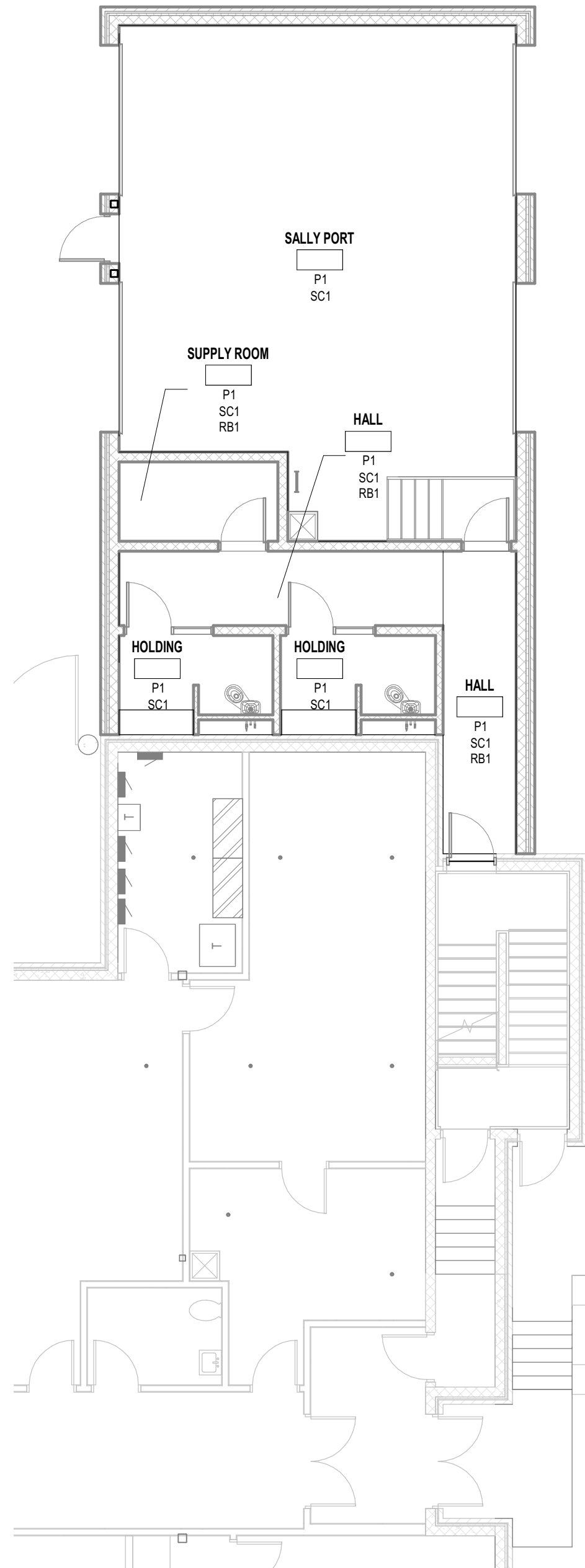


1 SALLY PORT ADDITION CROSS SECTION 1
1/4" = 1'-0"



MAIN ENTRY ADDITION PARTIAL FLOOR FINISH PLAN

1/8" = 1'-0"



SALLY PORT ADDITION PARTIAL FLOOR FINISH PLAN

1/8" = 1'-0"

FINISH LEGEND :	
ACT1	ACOUSTICAL CEILING TILE MANF: STYLE: COLOR: SIZE:
CT1	CARPET TILE (WALK-OFF) MANF: PROVIDE \$30' YD. MATERIAL ALLOWANCE STYLE: COLOR: SIZE: INSTALLATION:
CT2	CARPET TILE (GENERAL) MANF: PROVIDE \$20' YD. MATERIAL ALLOWANCE STYLE: COLOR: SIZE: INSTALLATION:
CTW1	CERAMIC TILE WALL MANF: PROVIDE \$10' SQ.FT. MATERIAL ALLOWANCE STYLE: COLOR: SIZE: GROUT:
P1	PAINT (GENERAL) MANF: COLOR: FINISH:
P2	PAINT (FRAME) MANF: COLOR: FINISH:
P3	PAINT (CEILING) MANF: COLOR: FINISH:
P4	PAINT (ACCENT) MANF: COLOR: FINISH:
PC1	POLISHED CONCRETE GRIND: DEEP FINISH: NATURAL
RB1	RUBBER BASE MFR: JOHNSONITE STYLE: COLOR: SIZE: 4"
RSG1	RUBBER SHEET GOODS MFR: JOHNSONITE STYLE: COLOR: SIZE:
RST1	RUBBER STAIR TREAD MFR: JOHNSONITE STYLE: COLOR: SIZE:
SC1	SEALED CONCRETE MFR: STYLE: COLOR:

GENERAL FINISH NOTES :	
1.	ALL AREAS OF VCT, CARPET, LVT, SEALED CONCRETE, OR OTHER RESILIENT FLOORING, OF RECEIVE RUBBER BASE, U.N.O. ON FINISH PLANS.
2.	IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE PREPARATION OF SURFACES TO RECEIVE FINISH PRODUCT. CONSULT WITH MANUFACTURERS RECOMMENDED PRACTICES.
3.	ALL REDUCERS TO COORDINATE APPROPRIATELY WITH ABUTTING MATERIAL HEIGHT.
4.	INSTALL 4" H. RUBBER BASE (RB) AT CASEWORK TOE KICKS, INSIDE OF FLOORLESS CASEWORK, AND VERTICAL SUPPORTS.
5.	SEE SPECIFICATIONS FOR RESILIENT ACCESSORY INFORMATION.
6.	PAINT ALL EXPOSED MECHANICAL AND ELECTRICAL ITEMS INTENDED TO RECEIVE FIELD PAINT TO MATCH ADJACENT SURFACES, U.N.O.
7.	DOOR AND WINDOW FRAMES TO BE PAINTED P2, U.N.O.
8.	EXPOSED CEILINGS, DECK, DUCTWORK, STRUCTURE AND OTHER MISC. EXPOSED ITEMS TO BE PAINTED, U.N.O. ON INTERIOR ELEVATIONS, CEILING PLANS OR FINISH PLANS.
9.	FACE & UNDERSIDE OF BULKHEADS TO BE PAINTED P3, U.N.O. ON FINISH PLANS OR NOTED ON INTERIOR ELEVATIONS.
10.	REFER TO CEILING PLANS & CEILING SPECIFICATIONS FOR SPECIAL CEILING DESIGNATIONS AND ACT TYPES.
11.	REFER TO INTERIOR ELEVATION SHEETS FOR MORE DETAILED PAINT AND INTERIOR FINISH INFORMATION.
12.	MECHANICAL & ELECTRICAL ROOM FINISHES, AS A TYPICAL PAINT WALLS, DO NOT PAINT EXPOSED STRUCTURE. DO NOT PROVIDE WALL BASE. TYPICAL UNLESS NOTED OTHERWISE ON FINISH PLANS.
13.	WHERE SEALED CONCRETE (SC) IS SPECIFIED, REFER TO SPECIFICATION SECTION 09 50 00 PAINTING, FOR SYSTEM TYPE.
14.	REFER TO SPECIFICATIONS FOR ALL PAINT TYPES.
15.	ALL PAINTED WALLS IN HOLDING ROOMS SHALL RECEIVE EPOXY PAINT.
16.	ALL STAIR AND GUARDRAIL RAILINGS, HANDRAILS, STRINGERS, RISERS, ETC ARE TO BE PAINTED, U.N.O.
17.	CONTRACTOR SHALL COORDINATE THE INSTALLATION OF OWNER FURNISHED EQUIPMENT, INCLUDED DIMENSIONS OF SUCH AS THEY RELATE TO THEIR OWN WORK.
18.	REMOVE, SALVAGE AND RE-INSTALL EXISTING ROOM SIGNAGE PRIOR TO PAINTING WALLS IN AREAS OF WORK, TYP.
19.	REMOVE AND SALVAGE ALL WALL MOUNTED FURNISHINGS AND ARTWORK PRIOR TO PAINTING. COORDINATE SALVAGE AND RE-INSTALLATION WITH OWNER.
20.	DO NOT PAINT OVER EXISTING GLAZED FACE BLOCK OR EXPOSED BRICK, U.N.O.
21.	PROTECT ALL FINISHES DURING CONSTRUCTION.

FINISH SYMBOLS :	
ROOM NAME WALL FINISH FLOOR FINISH BASE FINISH	CPT1 X FLOORING TRANSITION VCT1 X W.P.1 WORK POINT

FINISH KEYNOTES :	
01	MANUAL ROLLER SHADE LOCATION. PROVIDE FULL WIDTH OF WINDOW ASSEMBLY AT EACH LOCATION REFER TO SPECIFICATION.
02	PRIVACY WINDOW FILM

PRELIMINARY
NOT FOR CONSTRUCTION

ALLEGAN COUNTY COURTHOUSE ADDITIONS & RENOVATIONS
ALLEGAN COUNTY
ALLEGAN, MICHIGAN

ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

DRAWN	JLN
REVIEWED	AH

PROJECT NO.	5-5140
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PARTIAL FLOOR FINISH PLAN

A9.00

FIRE PROTECTION ABBREVIATIONS			
AFF	ABOVE FINISH FLOOR	FDC	FIRE DEPARTMENT CONNECTION
APPROX	APPROXIMATELY	FF	FINISH FLOOR
C.L.G.	CEILING	F.R.	FLOOR
CONN	CONNECTION	FP	FIRE PROTECTION
CONT	CONTINUATION	HSS	HOLLOW STRUCTURAL SECTION
CONTR	CONTRACTOR	LOC	LOCATION
DN	DOWN	O.S. & Y	OUTSIDE STEM AND YOLK
DWG	DRAWING	SQ. FT	SQUARE FEET
EA	EACH	TYP	TYPICAL

*REFER TO P0.01 FOR ADDITIONAL ABBREVIATIONS NOT SHOWN ABOVE.

FIRE PROTECTION NOTES:

1. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WORK WITH ALL OTHER TRADES. ALL WORK SHALL BE EXECUTED IN A WORKMAN LIKE MANNER.
2. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE FIRE PROTECTION CONTRACTOR IS REMINDED THAT THEY ARE RESPONSIBLE FOR THE FINAL DESIGN OF THE SYSTEM, INCLUDING PIPE SIZING AND LOCATION. THE CONTRACTOR IS FURTHER EXPECTED TO VISIT THE SITE AND VERIFY THE CONDITIONS UNDER WHICH THE WORK SHALL BE PERFORMED.
3. CONTRACTOR SHALL BE PERMITTED TO UTILIZE EXTENDED COVERAGE SPRINKLER HEADS WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION AND INSTALLED IN ACCORDANCE WITH NFPA 13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF SPRINKLER HEAD SPACING WITH ALL OTHER TRADES.
4. MAXIMUM HANGER SPACING FOR PIPING 3" AND LARGER SHALL BE 12'-0" ON CENTER.

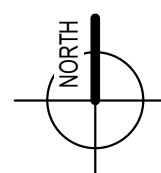
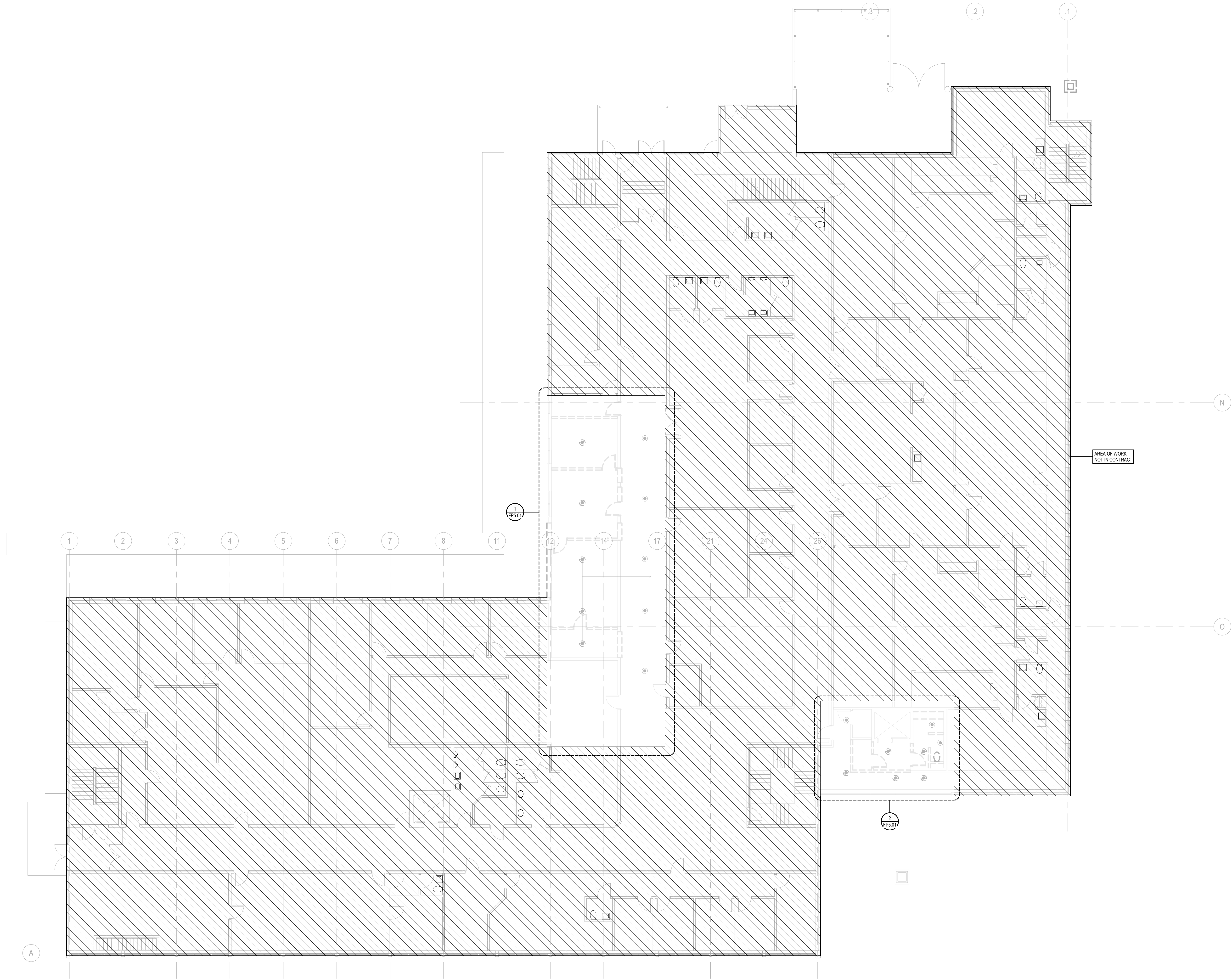
FIRE PROTECTION SPRINKLER HEAD LEGEND			
○	STANDARD PENDENT SPRINKLER	○ 175	INTERMEDIATE TEMPERATURE STANDARD PENDENT SPRINKLER
●	RECESSED PENDENT SPRINKLER WITH MATCHING 2-PIECE ESCUTCHEON	● 175	INTERMEDIATE TEMPERATURE RECESSED PENDENT SPRINKLER WITH MATCHING 2-PIECE ESCUTCHEON
●	CONCEALED PENDENT SPRINKLER	● 175	INTERMEDIATE TEMPERATURE CONCEALED PENDENT SPRINKLER
○	STANDARD UPRIGHT SPRINKLER	○ 175	INTERMEDIATE TEMPERATURE UPRIGHT SPRINKLER
◁	HORIZONTAL SIDEWALL SPRINKLER	◁ 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
⊗	EXTENDED COVERAGE PENDENT SPRINKLER	⊗ 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
⊗	EXTENDED COVERAGE RECESSED PENDENT SPRINKLER WITH MATCHING 2-PIECE ESCUTCHEON	⊗ 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
●	EXTENDED COVERAGE CONCEALED SPRINKLER	● 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
⊗	EXTENDED COVERAGE UPRIGHT SPRINKLER	⊗ 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
◁	EXTENDED COVERAGE HORIZONTAL SIDEWALL SPRINKLER	◁ 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
◁	DRY HORIZONTAL SIDEWALL SPRINKLER	◁ 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER
●	DRY PENDENT SPRINKLER	● 175	INTERMEDIATE TEMPERATURE HORIZONTAL SIDEWALL SPRINKLER

NOTES:
1. THE FIRE PROTECTION CONTRACTOR SHALL USE THE SYMBOLS IN THIS LEGEND TO INDICATE THE TYPE AND LOCATION OF SPRINKLERS ON THEIR "WORKING PLANS".

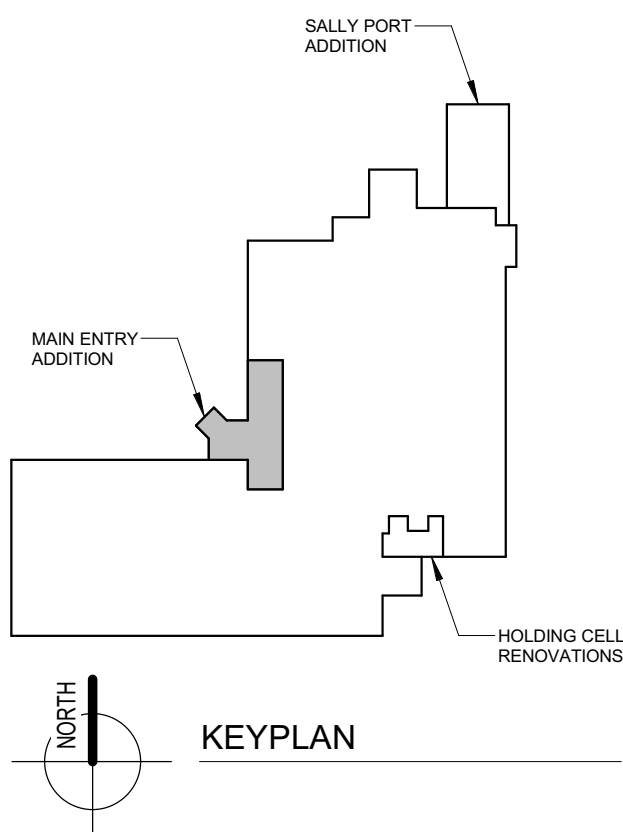
FIRE PROTECTION NOTES:

1. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WORK WITH ALL OTHER TRADES. ALL WORK SHALL BE EXECUTED IN A WORKMAN LIKE MANNER.
2. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE FIRE PROTECTION CONTRACTOR IS REMINDED THAT THEY ARE RESPONSIBLE FOR THE FINAL DESIGN OF THE SYSTEM, INCLUDING PIPE SIZING AND LOCATION. THE CONTRACTOR IS FURTHER EXPECTED TO VISIT THE SITE AND VERIFY THE CONDITIONS UNDER WHICH THE WORK SHALL BE PERFORMED.
3. CONTRACTOR SHALL BE PERMITTED TO UTILIZE EXTENDED COVERAGE SPRINKLER HEADS WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION AND INSTALLED IN ACCORDANCE WITH NFPA 13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF SPRINKLER HEAD SPACING WITH ALL OTHER TRADES.
4. MAXIMUM HANGER SPACING FOR PIPING 3" AND LARGER SHALL BE 12'-0" ON CENTER.
5. FLOW TEST TAKEN FROM ??? MAIN IN ?????????????? INDICATES THE FOLLOWING: ?? PSB STATIC, ?? PSB RESIDUAL AT ??? GPM. DATE OF TEST: ??????. CONTRACTOR SHALL PERFORM FLOW TEST IN ACCORDANCE WITH NFPA 2011 AT THE SITE TO VERIFY ACCURACY OF THE INFORMATION. COPY OF FLOW TEST SHALL BE SUBMITTED TO ARCHITECT.

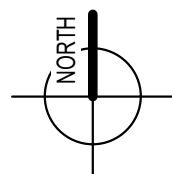
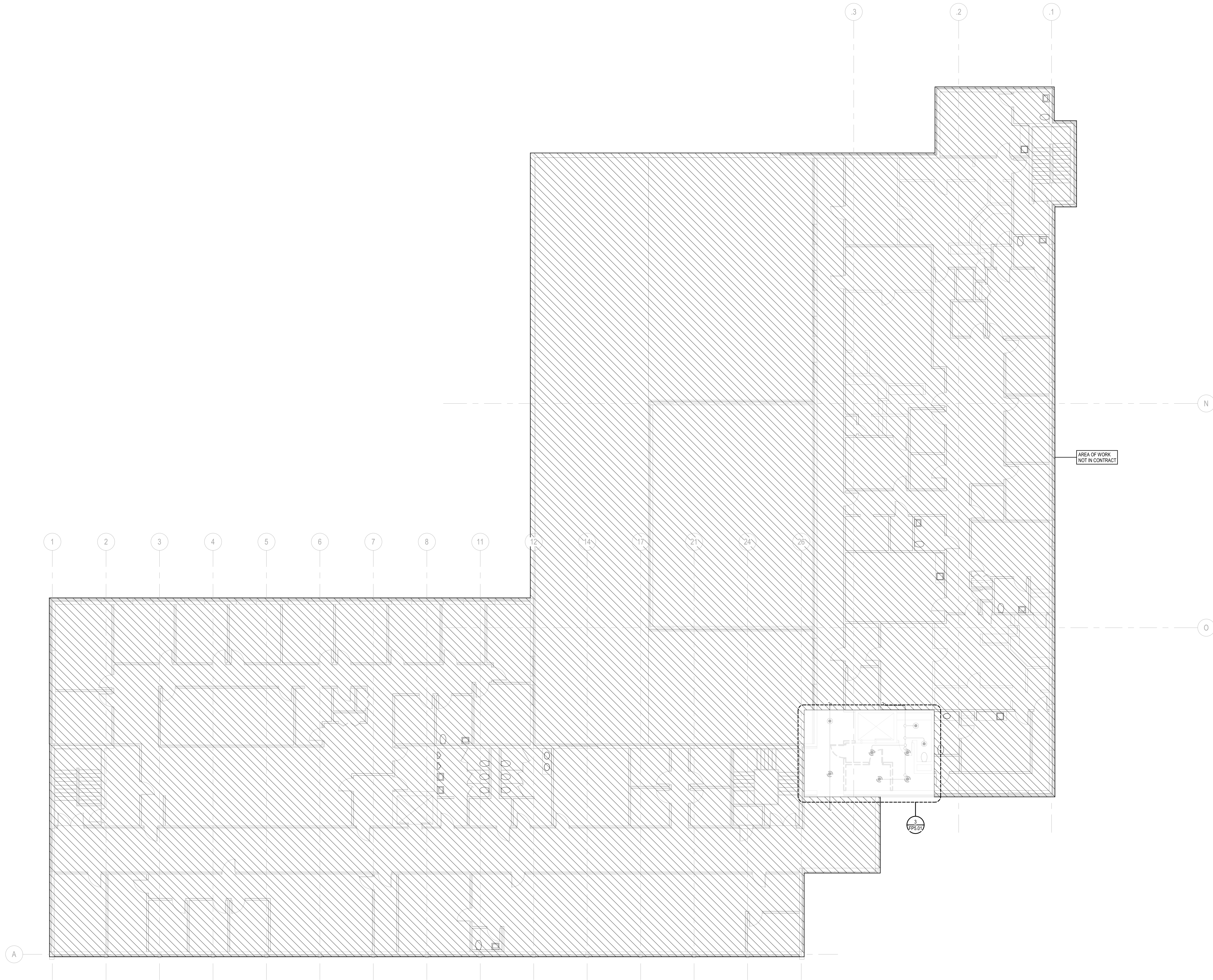
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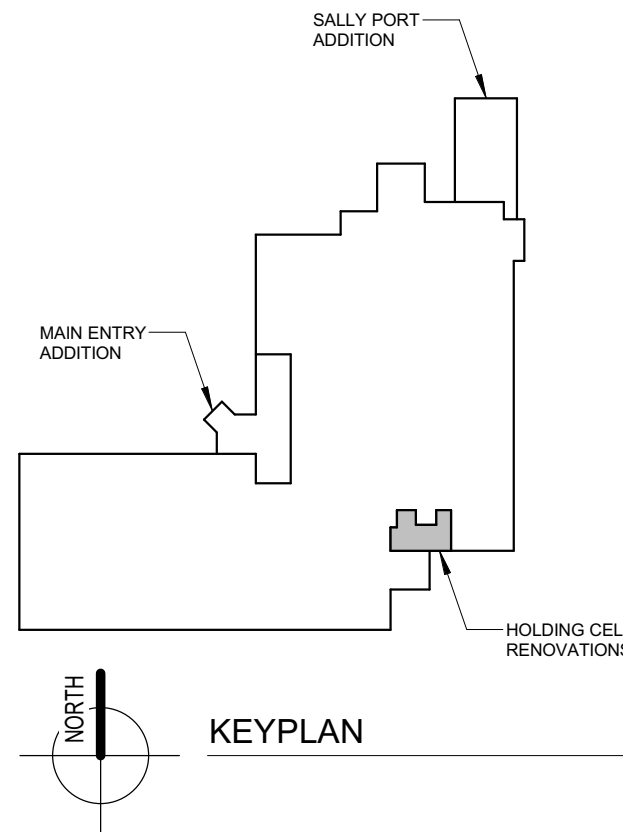
OVERALL FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
3/32" = 1'-0"



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OVERALL SECOND FLOOR FIRE PROTECTION DEMOLITION PLAN
3/32" = 1'-0"



ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

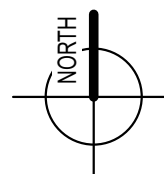
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REVIEWED	JBH
PROJECT NO.	5-5140
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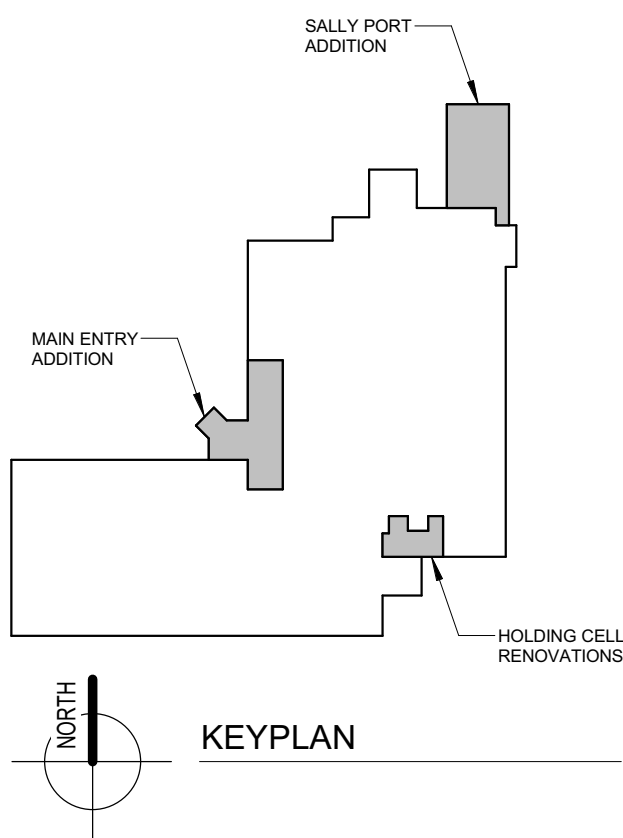
OVERALL SECOND FLOOR
FIRE PROTECTION
DEMOLITION PLAN

FP1.02

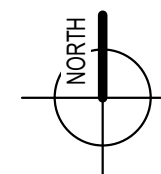
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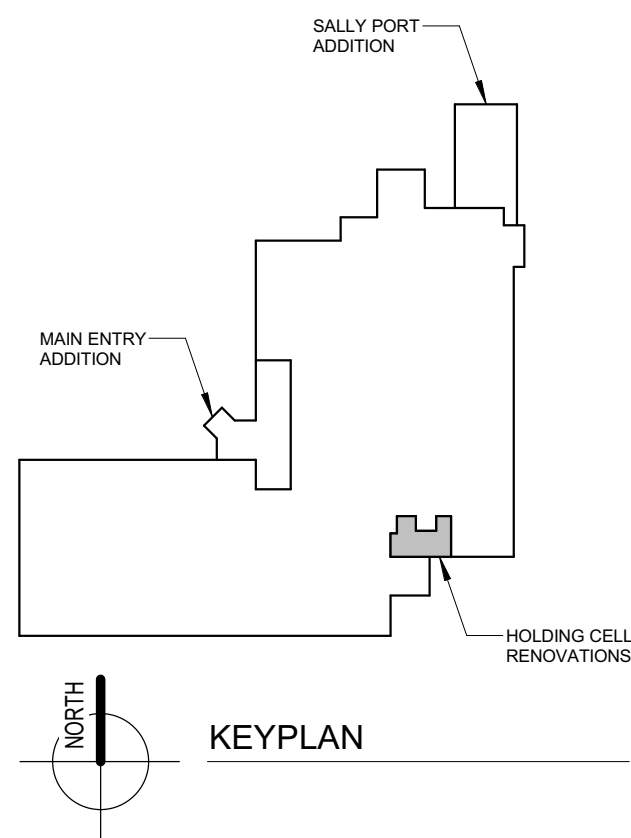
OVERALL FIRST FLOOR FIRE PROTECTION PLAN
3/32" = 1'-0"



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OVERALL SECOND FLOOR FIRE PROTECTION PLAN
3/32" = 1'-0"



ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

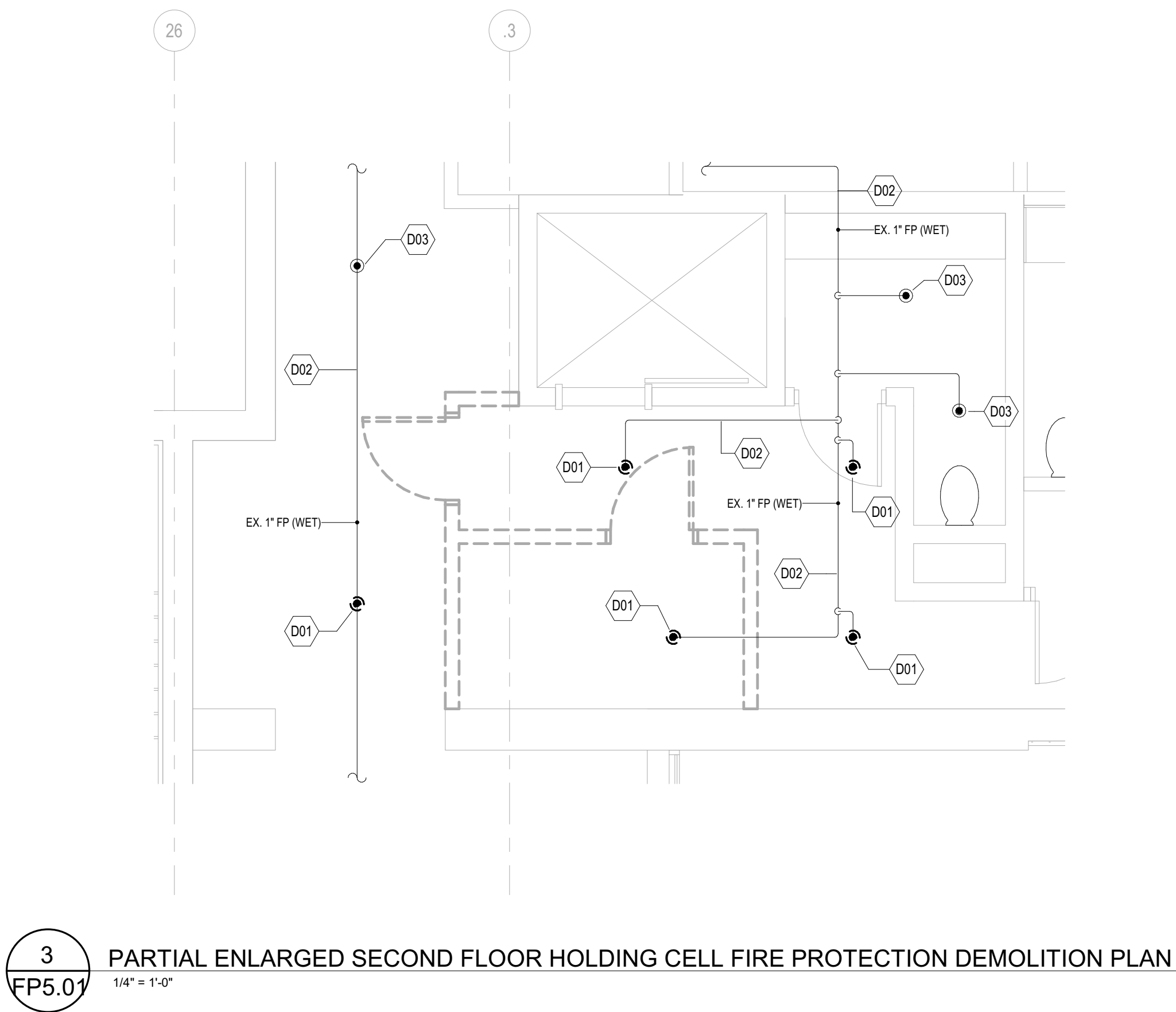
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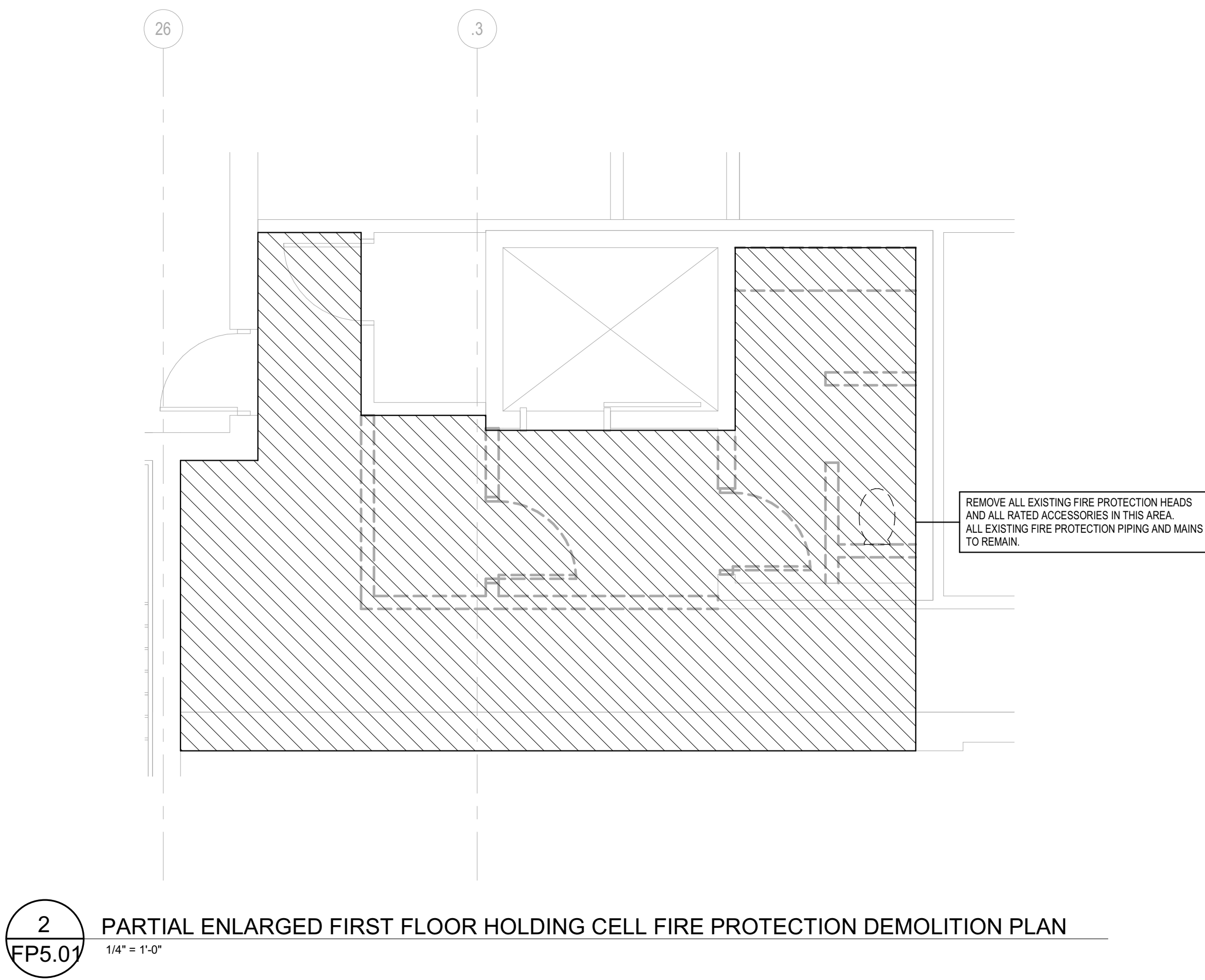
OVERALL SECOND FLOOR
FIRE PROTECTION PLAN

FP2.02

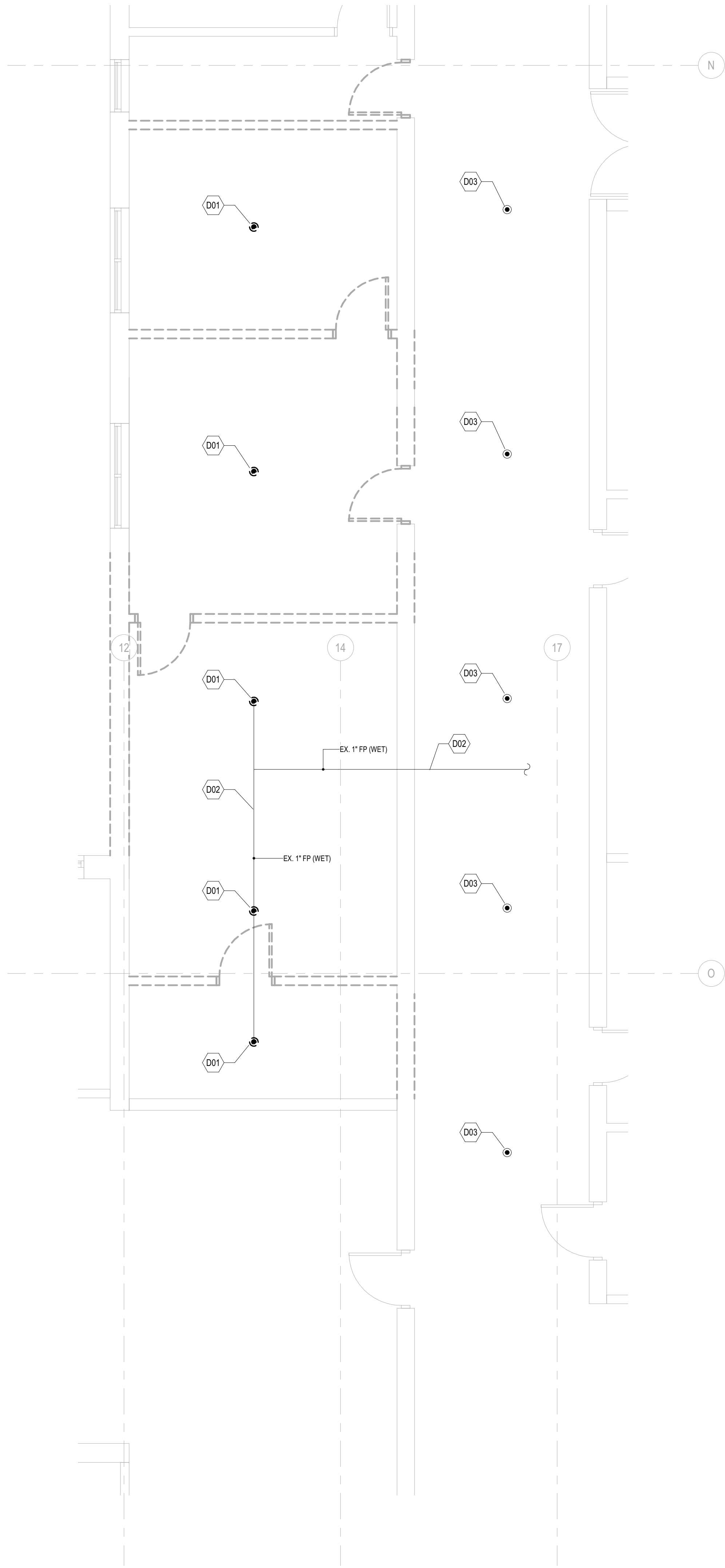
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3 PARTIAL ENLARGED SECOND FLOOR HOLDING CELL FIRE PROTECTION DEMOLITION PLAN
1/4" = 1'-0"



2 PARTIAL ENLARGED FIRST FLOOR HOLDING CELL FIRE PROTECTION DEMOLITION PLAN
1/4" = 1'-0"



1 PARTIAL ENLARGED FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
1/4" = 1'-0"

FIRE PROTECTION DEMO KEYNOTE LEGEND	
D01	REMOVE SPRINKLER HEAD, BRAIDED TYPE FLEXIBLE SPRINKLER HOSE ASSEMBLY AND ALL RELATED ACCESSORIES.
D02	FIRE PROTECTION PIPING, HANGERS, VALVES AND ALL RELATED ACCESSORIES TO REMAIN.
D03	SPRINKLER HEAD AND ALL RELATED ACCESSORIES TO REMAIN.

PLUMBING LINE SERVICE DESIGNATIONS	
--AN-----	ACID VENT PIPING
---AW-----	ACID WASTE PIPING ABOVE GROUND
---AWUG-----	ACID WASTE PIPING UNDERGROUND
---CA-----	COMPRESSED AIR PIPING
---COND-----	CONDENSATE PIPING
---CW-----	DOMESTIC COLD WATER PIPING
---G-----	NATURAL GAS PIPING
---GSAN-----	GREASE LADEN SANITARY DRAIN PIPING
---HW-----	DOMESTIC HOT WATER PIPING
---HWR-----	DOMESTIC HOT WATER RETURN PIPING
---OSAN-----	OIL LADEN SANITARY DRAIN PIPING
---SAN-----	SANITARY DRAIN PIPING ABOVE GROUND
---SANUG-----	SANITARY DRAIN PIPING UNDERGROUND
---SAN(FM)-----	SANITARY FORCED MAIN DRAIN PIPING
---SCW-----	SOFTENED DOMESTIC COLD WATER PIPING
---ST-----	STORM DRAIN PIPING ABOVE GROUND
---STUG-----	STORM DRAIN PIPING UNDERGROUND
---ST(O)-----	OVERFLOW STORM DRAIN PIPING
---V-----	SANITARY VENT PIPING
-----	MATCHLINE
----->	DIRECTION OF FLOW

NOTES:
1. NOT ALL PIPE SERVICES MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

PLUMBING ABBREVIATIONS	
AAV	AIR ADMITTANCE VALVE
APF	ABOVE FINISH FLOOR
AHJ	AIR HANDING UNIT
AV	ACID VENT
AVTR	ACID VENT THROUGH ROOF
AW	ACID WASTE
BFP	BACKFLOW PREVENTER
BT	BATHTUB
CA	COMPRESSED AIR
CBV	CALIBRATED BALANCING VALVE
CLG	CEILING
CON	CONDUCTING NOZZLE
CO	CLEANOUT
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
COORD	COORDINATE
CW	DOMESTIC COLD WATER
CWU	COLD WATER FIXTURE UNITS
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNITS
DN	DOWN
DPB	DOMESTIC WATER PRESSURE BOOSTER
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EV / EXIST	EXISTING
FOO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
G	NATURAL GAS
GI	GREASE INTERCEPTOR
GSAN	GREASE LADEN SANITARY
H&C	DOMESTIC HOT AND DOMESTIC COLD WATER
HB	HOSE BIBB
HS	HOLLOW STRUCTURAL SECTION
HW	DOMESTIC HOT WATER
HWU	HOT WATER FIXTURE UNITS
HWR	DOMESTIC HOT WATER RETURN
I	INVERT ELEVATION
IOB	ICE MAKER OUTLET BOX
LOC	LOCATION
LT	LAUNDRY TUB
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MPR	MANUFACTURER
MSB	MOP SERVICE BASIN
MIN	MINIMUM
MV	MIXING VALVE
OA	OUTSIDE AIR
OC	ON CENTER
OVERFLOW ROOF DRAIN	
O	OIL INTERCEPTOR
OSAN	OIL LADEN SANITARY
PEU	PLUMBING EQUIPMENT
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RFCBV	RESTRICTED FLOW CALIBRATED BALANCING VALVE
RI	ROOF HYDRANT
RPZBFP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SAN	SANITARY
SAN(FM)	SANITARY FORCED MAIN
SCW	SOFTENED DOMESTIC COLD WATER
SH	SHOWER
ST	STORM
ST(O)	STORM OVERFLOW
TD	TRENCH DRAIN
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
URNAL	UNITED STATES GEOLOGICAL SURVEY
USGS	UNITED STATES GEOLOGICAL SURVEY
V	SANITARY VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WMB	WASHING MACHINE OUTLET BOX
WSFU	WATER SUPPLY FIXTURE UNITS

NOTES:
1. NOT ALL ABBREVIATIONS MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

PLUMBING SYMBOLS LEGEND	
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	CALIBRATED BALANCING VALVE
	RELIEF / SAFETY VALVE
	BACKFLOW PREVENTER WITH ORP FAN
	HOSE BIBB / WALL HYDRANT
	PLUG VALVE
	ANGLE VALVE
	SOLENOID VALVE
	PIPE RISER UP
	PIPE RISER DOWN
	UNION
	CAP
	"Y" STRAINER W/BLOWDOWN
	FLEXIBLE CONNECTOR
	CONNECT TO EXISTING
	CONCENTRIC REDUCER
	THERMOMETER
	FLOW SWITCH
	PRESSURE SWITCH
	PRESSURE TAP
	THERMOWELL
	PRESSURE GAUGE & SHUT OFF
	COMPRESSED AIR COMB. FILTER, REG. & OILER
	PRESSURE REDUCING VALVE, SELF-CONTAINED
	EXT. PRESSURE REDUCING VALVE

NOTES:
1. NOT ALL SYMBOLS MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

GENERAL PLUMBING PIPING INSTALLATION NOTES:

- COORDINATE ROUTING OF PLUMBING PIPING WITH ALL TRADES. ALL SANITARY PIPING TO BE INSTALLED AND VENTED PER PLANS AND ALL APPLICABLE STATE AND LOCAL CODES.
- REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
- DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE THE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS WERE USED TO SIZE PIPE AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PIPE SLEEVES THROUGH FOUNDATION WALLS WITH OTHER TRADES.
- INSTALL CLEANOUTS AT THE BASE OF ALL DRAIN PIPE STACKS WITH THE CENTER OF THE PLUG LOCATED AT A MINIMUM OF 12 INCHES ABOVE THE FINISH FLOOR, UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER BUILDING ELEMENTS TO ENSURE ACCESS.
- INSTALL PIPING IN CONCEALED LOCATIONS UNLESS INDICATED OTHERWISE OR WHERE LOCATED IN EQUIPMENT ROOMS AND SERVICE AREAS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ROUTE PIPING IN WALLS TO FIXTURE AND EQUIPMENT AT PROPER ELEVATION.
- INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING TILE REMOVAL.
- INSTALL PIPING TO PERMIT VALVE SERVICING, FREE OF SAGS AND BENDS, AT INDICATED SLOPES. INSTALL FITTINGS FOR CHANGES OF DIRECTION AND BRANCH CONNECTIONS, AND TO ALLOW THE APPLICATION OF INSULATION.
- UNLESS NOTED OTHERWISE ON THE PLUMBING PLANS, INSTALL DRAIN PIPING 2" AND SMALLER SLOPED AT 1/4" PER FOOT MINIMUM, AND DRAIN PIPING 3" AND LARGER SLOPED AT 1/8" PER FOOT MINIMUM.
- INSTALL SANITARY VENT PIPING SLOPED (GRADED) BACK TO THE DRAINAGE SYSTEM.
- INSTALL OVERSIZED PIPE HANGERS ON ALL PIPING SYSTEMS WITH A CONTINUOUS VAPOR BARRIER. REFER TO SPECIFICATION SECTION 22.07.19.
- PIPE HANGERS SHALL NOT BE ATTACHED TO THE ROOF DECK UNLESS INDICATED OTHERWISE.

WATER HAMMER ARRESTOR LEGEND		
SYMBOL	PDI RATING	FIXTURE UNIT CAP
	A	1-11
	B	12-32
	C	33-60
	D	61-113
	E	114-154
	F	155-330

NOTES:
1. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT OF WATER HAMMER ARRESTORS. REFER TO SPECIFICATION SECTION 22.10.06 AND MANUFACTURER'S RECOMMENDATIONS.

FIXTURE UNIT VALUES				
FIXTURE	DRAINAGE (NOTE 1)		SUPPLY (NOTE 2)	
	DFU	HWFU	CWFU	TOTAL
WATER CLOSET (FLUSH VALVE)	4	---	10	10
WATER CLOSET (FLUSH TANK)	4	---	2	2
URINAL (FLUSH VALVE)	2	---	5	5
SINK	1	1.5	1.5	2
SHOWER	2	3	3	4
MOP SERVICE BASIN	2	2.25	2.25	3
WASHING MACHINE OUTLET BOX (WITH STANDPIPE)	2	2.25	2.25	3
WALL HYDRANT / HOSE BIBB	---	---	3	3
ELECTRIC WATER COOLER / DRINKING FOUNTAIN	0.5	---	0.25	0.25
FLOOR DRAIN / FLOOR SINK (2" TRAP)	3	---	---	---
FLOOR DRAIN / FLOOR SINK (1 1/2" TRAP)	5	---	---	---
FLOOR DRAIN / FLOOR SINK (1" TRAP)	6	---	---	---
FLOOR DRAIN / FLOOR SINK (EMERGENCY)	---	---	---	---

NOTES:
1. DRAINAGE FIXTURE UNIT VALUES (DFU) TAKEN FROM MICHIGAN PLUMBING CODE / 2015, CHAPTER 1, TABLE 709.1.
2. SUPPLY FIXTURE UNIT VALUES TAKEN FROM MICHIGAN PLUMBING CODE 2015, APPENDIX E TABLE E103.3(2). (PRINTED IN CODE FOR REFERENCE ONLY.)
3. NOT ALL PLUMBING FIXTURES MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

GENERAL PLUMBING EQUIPMENT INSTALLATION NOTES:

- REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
- INSTALL PLUMBING EQUIPMENT, TRIM, FITTINGS, AND OTHER COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- INSTALL PLUMBING EQUIPMENT ON CONCRETE BASE WHERE INDICATED.

GENERAL PLUMBING FIXTURE INSTALLATION NOTES:

- REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
- ASSEMBLE PLUMBING FIXTURES, TRIM, FITTINGS, AND OTHER COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- INSTALL OFF THE FLOOR SUPPORTS AFFIXED TO BUILDING SUBSTRATE FOR WALL MOUNTING FIXTURES. INSTALL BACK OUTLET WALL MOUNTED FIXTURES ONTO WASTE FITTINGS WITH SEALS AND ATTACH TO SUPPORTS. INSTALL WALL MOUNTED FIXTURES WITH TUBULAR WASTE PIPING ATTACHED TO SUPPORTS.
- INSTALL COUNTER MOUNTED FIXTURES IS AND ATTACHED TO CASEWORK.
- INSTALL FIXTURES LEVEL AND PLUMB ACCORDING TO ROUGH IN DRAWINGS.
- INSTALL WATER SUPPLY WITH STOP ON EACH SUPPLY TO EACH FIXTURE TO BE CONNECTED TO WATER DISTRIBUTION PIPING. ATTACH SUPPLIES TO SUPPORTS OR SUBSTRATE WITHIN PIPE SPACES BEHIND FIXTURES. INSTALL STOPS WHERE THEY CAN BE REACHED FOR OPERATION.
- INSTALL TUBING AND TUBULAR WASTE PIPING ON DRAIN OUTLET OF EACH FIXTURE TO BE DIRECTLY OR INDIRECTLY CONNECTED TO DRAINAGE SYSTEM.
- INSTALL FLUSHMETER VALVES FOR ACCESSIBLE WATER CLOSETS AND URINALS WITH THE HANDLE MOUNTED ON THE WIDE SIDE OF THE COMPARTMENT.
- INSTALL TANKS FOR ACCESSIBLE. TANK TYPE WATER CLOSETS WITH LEVER HANDLE MOUNTED ON THE WIDE SIDE OF THE COMPARTMENT.
- SET BATHTUBS, SHOWERS, AND MOP SERVICE BASINS IN A LEVELING BED OF CEMENT GROUT.
- SEAL JOINTS BETWEEN FIXTURES, WALLS, FLOORS, AND COUNTERTOPS USING SANITARY TYPE, ONE PART, MILDEW RESISTANT SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR.

GENERAL DEMOLITION NOTES:

- ALL EXISTING PLUMBING FIXTURES, EQUIPMENT, AND ASSOCIATED PIPING SHOWN AS DASHED (HEAVY/BOLD) SHALL BE REMOVED. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE FOR REUSE WITH TEMPORARY COVERS, BRACING, AND SUPPORTS. EXISTING DOMESTIC COLD, HOT, HOT WATER RETURN, AND NATURAL GAS PIPING LOCATED IN TUNNELS SHALL BE CAPPED AND ABANDONED IN PLACE.
- THE OWNER RESERVES THE RIGHT OF FIRST REFUSAL, IN OWNERSHIP OF ANY EQUIPMENT AND MATERIALS TO BE REMOVED FROM THE BUILDING SITE. ALL EQUIPMENT TO BE REMOVED AND NOT REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNER'S PROPERTY.
- INVESTIGATION OF EXISTING PLUMBING SYSTEMS WILL BE REQUIRED BY THE CONTRACTOR AS PART OF HIS BID PRICE, SO THAT THE EXACT EXTENT OF DEMOLITION CAN BE ACCURATELY DETERMINED. THE CONTRACTOR'S BID PRICE SHALL ALSO COVER REMOVAL OF SOME PORTIONS OF PLUMBING SYSTEMS NOT EXPLICITLY SHOWN ON THE DEMOLITION DRAWINGS, BUT DISCOVERED DURING THE INVESTIGATION PROCESS. THE CONTRACTOR SHALL WORK WITH THE ARCHITECT/ENGINEER AND THE OWNER TO DETERMINE WHICH PORTIONS OF EXISTING SYSTEMS MUST REMAIN ACTIVE AND WHICH PORTIONS MUST BE DEMOLISHED. REMOVE ALL INACTIVE PIPING TO THE NEAREST ACTIVE MAINS AND CAP. ABANDONED PIPING SYSTEMS BENEATH THE BUILDING SHALL BE CAPPED AT BOTH ENDS.
- DEMOLITION OF AN ITEM SHALL INCLUDE REMOVAL OF ALL RELATED HANGERS, SUPPORTS, PIPING, AND ACCESSORIES. REMOVAL OF POWER WIRING SHALL BE BY OTHERS UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL PROTECT ALL WALLS, CEILINGS, FLOORS, LIGHTS AND OTHER FINISHED SURFACES WHICH ARE NOT SCHEDULED FOR IMMEDIATE REMOVAL. IF SURFACES OR LIGHTS ARE DAMAGED, CONTRACTOR SHALL REPAIR OR REPLACE TO MATCH ORIGINAL CONDITIONS.
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL FLOOR, WALL, AND ROOF REPAIR WORK LEFT BY REMOVED ITEMS.

MINIMUM SIZE CONNECTION				
FIXTURE	CW	HW	SAN	VENT
WATER CLOSET (FLUSH VALVE)	1-1/4"	---	4"	2"
URINAL (FLUSH VALVE)	3/4"	---	2"	1-1/2"
LAVATORY	1/2"	1/2"	1-1/4"	1-1/4"
SINK	1/2"	1/2"	1-1/2"	1-1/2"
SHOWER	1/2"	1/2"	2"	1-1/2"
MOP SERVICE BASIN	3/4"	3/4"	3"	1-1/2"
WASHING MACHINE OUTLET BOX (WITH STANDPIPE)	3/4"	3/4"	3" (TRAP)	1-1/2"
ICE MAKER OUTLET BOX	1/2"	---	---	---
WALL HYDRANT / HOSE BIBB	3/4"	---	---	---
ELECTRIC WATER COOLER	1/2"	---	1-1/4"	1-1/4"
DRINKING FOUNTAIN	1/2"	---	1-1/4"	1-1/4"
FLOOR DRAIN / FLOOR SINK	---	---	3"	1-1/2"
FLOOR DRAIN / FLOOR SINK (MECHANICAL ROOM)	---	---	4"	2"

NOTES:
1. NOT ALL PLUMBING FIXTURES MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

PRELIMINARY
NOT FOR CONSTRUCTION

57TH DISTRICT COURTHOUSE ADDITIONS & RENOVATIONS
ALLEGAN COUNTY
ALLEGAN, MICHIGAN

ISSUANCES

04.24.2020 SCHEMATIC DESIGN

DRAWN NVM
REVIEWED JBH

PROJECT NO. 5-5140

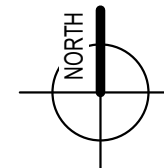
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PLUMBING GENERAL
INFORMATION & DETAILS

P0.01

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OVERALL FIRST FLOOR PLUMBING PLAN
3/32" = 1'-0"

- NEW PLUMBING SYSTEM
- MODIFY EXISTING PLUMBING SYSTEM

ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

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REVIEWED	JBH

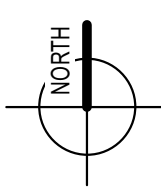
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OVERALL FIRST FLOOR
PLUMBING PLAN

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OVERALL SECOND FLOOR PLUMBING PLAN
3/32" = 1'-0"

PRELIMINARY
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57TH DISTRICT COURTHOUSE ADDITIONS & RENOVATIONS
ALLEGAN COUNTY
ALLEGAN, MICHIGAN

ISSUANCES	
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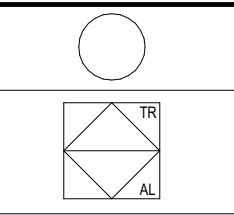
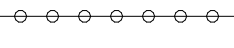
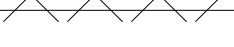
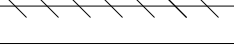
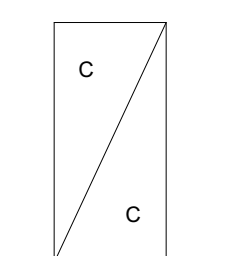
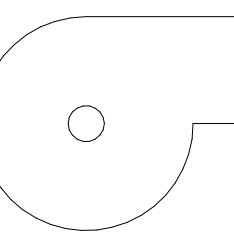
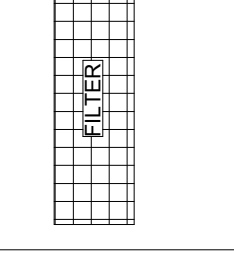
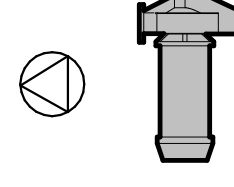
OVERALL SECOND FLOOR
PLUMBING PLAN

P2.02

GENERAL MECHANICAL DEMOLITION NOTES:

- ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE INTENDED TO SHOW THE LOCATION OF ALL REGISTERED EQUIPMENT. THE EXACT LOCATION OF EQUIPMENT AND THE LOCATION OF REGISTERED LAYOUTS ARE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE FIELD-DETERMINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EQUIPMENT WITH NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS, WHERE THE CONTRACTOR HAS SIGNED SUCH INFORMATION IN CONNECTION WITH THE ARCHITECT/ENGINEER. RECORD ALL DIFFERENCES ON RECORD DRAWINGS.
- COORDINATE LOCATIONS OF REGISTERS, DIFFUSERS AND GRILLS WITH THE ARCHITECT/ENGINEER AND THE MECHANICAL CONTRACTOR.
3. INSTALL ALL THERMOSTATS/SPACE TEMPERATURE SENSORS AT 48 INCHES ABOVE FINISHED FLOOR (TO TOP OF SENSOR) WHERE APPLICABLE. ALIUM SHALL PROVIDE THERMOSTATS AND SENSORS.
4. ALL THERMOSTATS AND SENSORS LOCATED ON EXTERIOR WALLS SHALL HAVE INSULATED BACKPLATES.
5. WHERE INTERNALLY LINED OR DOUBLE-WALL DUCTWORK IS SHOWN, THE CONTRACTOR SHALL INDICATE THE REQUIRED INSIDE FREE AREA DIMENSIONS.
6. THE CONTRACTOR SHALL EXAMINE THE CONDITION OF ALL EQUIPMENT PORT TO INSTALLATION, DO NOT INSTALL DAMAGED EQUIPMENT.
7. WHERE CONNECTING NEW DUCTWORK TO EXISTING, SEAL JOINTS AIRTIGHT AND PROVIDE REINFORCED JOINTS.
8. WHERE DUCTWORK IS EXPOSED, ROUTE AS HIGH AS PRACTICABLE IN THE SPACE UNLESS OTHERWISE NOTED.
9. REFER TO ARCHITECTURAL CODE COMPLIANCE PLANS FOR THE LOCATIONS OF FIRE-SMoke DETECTOR ASSEMBLIES.
10. PAINT VISIBLE INTERIOR SURFACES OF DUCTS AT REGISTERS, GRILLES, DIFFUSERS AND OVERHEADS.
11. WHERE POSSIBLE, INSTALL EQUIPMENT AND DEVICES REQUIRING SERVICE OR MAINTENANCE IN ACCESSIBLE LOCATIONS, WHERE NOT POSSIBLE, PROVIDE ACCESS TO SUCH EQUIPMENT AND DEVICES THROUGH PURPOSE-DESIGNATED ACCESS DOOR LOCATIONS AND SIZES WITH THE ARCHITECT/ENGINEER.
12. PROVIDE MANUFACTURERS' RECOMMENDED CLEARANCES FOR AIR FLOW, ACCESS AND OVERHEAD CLEARANCES. WHERE CLEARANCES ARE ALSO SHOWN ON THE DRAWINGS, PROVIDE THE MOST STRINGENT OF THE CLEARANCES.
13. FLEXIBLE DUCTWORK CONNECTIONS TO RIGID DUCTWORK, TO AIR TERMINAL UNITS AND TO REGISTERS, GRILLES AND DIFFUSERS SHALL BE CLAMPED AND SUPPORTED TO MEET THE REQUIREMENTS OF UL 1818-F.
14. TAPE SHALL MEET THE REQUIREMENTS OF UL 1818-F.

- ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE INTENDED TO SHOW THE LOCATION OF ALL REGISTERED EQUIPMENT. THE EXACT LOCATION OF EQUIPMENT AND THE LOCATION OF REGISTERED LAYOUTS ARE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE FIELD-DETERMINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EQUIPMENT WITH NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS, WHERE THE CONTRACTOR HAS SIGNIFICANT KNOWLEDGE OF THE FACILITY. COORDINATE WITH THE ARCHITECT/ENGINEER. RECORD ALL DIFFERENCES ON RECORD DRAWINGS.
- COORDINATE LOCATIONS OF REGISTERS, DIFFUSERS AND GRILLES WITH THE ARCHITECT/ENGINEER AND THE FACILITY OPERATOR. COORDINATE ANY DISCREPANCIES WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
- INSTALL ALL THERMOSTATS/STAGE TEMPERATURE SENSORS AT 48 INCHES ABOVE FINISHED FLOOR (TO TOP OF SENSOR) WHERE APPLICABLE. ALIUM SHALL BE RESPONSIBLE FOR THE LOCATION OF THERMOSTATS AND SENSORS.
- ALL THERMOSTATS AND SENSORS LOCATED ON EXTERIOR WALLS SHALL HAVE INSULATED BACKPLATES.
- WHERE INTERNALLY RUN DOUBLE-WALL DUCTWORK IS SHOWN, THE CONTRACTOR SHALL INDICATE THE REQUIRED INSIDE FREE AREA DIMENSIONS.
- THE CONTRACTOR SHALL EXAMINE THE CONDITION OF ALL EQUIPMENT PRIOR TO INSTALLATION. DO NOT INSTALL DAMAGED EQUIPMENT.
- WHERE CONNECTING NEW DUCTWORK TO EXISTING, SEAL JOINTS AIRTIGHT AND PROVIDE REINFORCED JOINTS.
- WHERE DUCTWORK IS EXPOSED, ROUTE AS HIGH AS PRACTICABLE IN THE SPACE UNLESS INDICATED OTHERWISE.
- REFER TO ARCHITECTURAL CODE COMPLIANCE PLANS FOR THE LOCATIONS OF FIRE-SMOKED DETECTOR ASSEMBLIES.
- PAINT VISIBLY INTERIOR SURFACES OF DUCTS AT REGISTERS, GRILLES, DIFFUSERS AND OVERHEAD EXHAUSTS.
- WHERE POSSIBLE, INSTALL EQUIPMENT AND DEVICES REQUIRING SERVICE OR MAINTENANCE IN ACCESSIBLE LOCATIONS, WHERE NOT POSSIBLE, PROVIDE ACCESS TO THE EQUIPMENT THROUGH DOORS OR OTHER PURPOSE-CORRELATED ACCESS DOOR LOCATIONS AND SIZES WITH THE ARCHITECT/ENGINEER.
- PROVIDE MANUFACTURERS' RECOMMENDED CLEARANCES FOR AIR FLOW, ACCESS AND OVERHEAD CLEARANCES. WHERE CLEARANCES ARE ALSO SHOWN ON THE DRAWINGS, PROVIDE THE MOST STRINGENT OF THE CLEARANCES.
- FLEXIBLE DUCTWORK CONNECTIONS TO RIGID DUCTWORK, TO AIR TERMINAL UNITS AND TO REGISTERS, GRILLES AND DIFFUSERS SHALL BE CLAMPED AND SUPPORTED TO MEET THE REQUIREMENTS OF UL 1818-F.
- TAPE SHALL MEET THE REQUIREMENTS OF UL 1818-F.

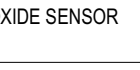
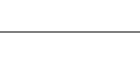
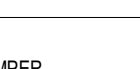
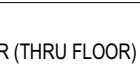
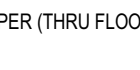
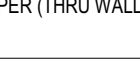
GENERAL INSTRUMENT SYMBOLS	
	LOCAL DEVICE BMS CONTROL POINT / FUNCTION (TS - TENDS) (AL - ALARM)
	AVERAGING TEMPERATURE ELEMENT
	AIR FLOW TRANSMITTER
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER
	BLADE DAMPER
	AIR COIL
	FAN
	FILTER
	PUMP

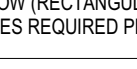
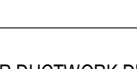
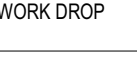
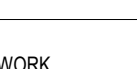
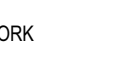
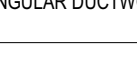
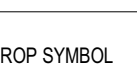
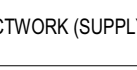
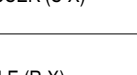
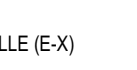
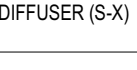
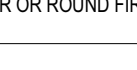
LOCAL DEVICE ABBREVIATIONS	
CO2	CARBON DIOXIDE LEVEL TRANSMITTER
CO	CARBON MONOXIDE LEVEL TRANSMITTER
ECM	ELECTRICALLY COMMUTATED MOTOR
FSH	FLOW SWITCH HIGH
FSL	FLOW SWITCH LOW
FT	FLOW TRANSMITTER
GCV	GAS CONTROL VALVE
GTWS	GAS TRANSMITTER
HS	HAND SWITCH (HAND-OFF-AUTO)
HT	HUMIDITY TRANSMITTER
HTG	HEATING ELEMENT
KC	TIME CLOCK CONTROLLING EQUIPMENT SCHEDULE
LSL	LEVEL SWITCH LOW
LSH	LEVEL SWITCH HIGH
LT	LEVEL TRANSMITTER
M	MOTOR
MD	MOTORIZED CONTROL DAMPER
OCC	OCCUPANCY SENSOR
POT	PRESSURE DIFFERENTIAL TRANSMITTER
PDS	PRESSURE DIFFERENTIAL SWITCH
PKG	PACKAGED EQUIPMENT CONTROLLER
PSH	PRESSURE SWITCH HIGH
PSL	PRESSURE SWITCH LOW
PT	PRESSURE TRANSMITTER
SD	SMOKE DETECTOR
SNW	SNOW/ICE SENSOR
TCV	TEMPERATURE CONTROL VALVE
TSL	TEMPERATURE SWITCH LOW (FREEZE/STAT)
TSH	TEMPERATURE SWITCH HIGH
TT	TEMPERATURE TRANSMITTER
VCC	VARIABLE CAPACITY COMPRESSOR
VFD	VARIABLE FREQUENCY DRIVE

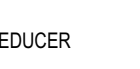
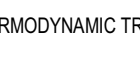
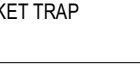
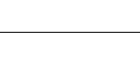
BMS POINT ABBREVIATIONS	
AL	GENERAL ALARM / ALARM LOW LIMIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
CC	EQUIPMENT CAPACITY SIGNAL
CHWS	CHILLED WATER SUPPLY
CO2	CARBON DIOXIDE LEVEL
CO	CARBON MONOXIDE LEVEL
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
G	NATURAL GAS
GTWR	GEOTHERMAL WATER RETURN
HGR	HOT GAS RETURN
HGS	HOT GAS SUPPLY
HPOR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
LPS	LOW PRESSURE STEAM
LPOR	LOW PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MPOR	MEDIUM PRESSURE CONDENSATE RETURN
RWR	RADIANT WATER RETURN
RWS	RADIANT WATER SUPPLY
SPWR	SWIMMING POOL WATER RETURN
SPWS	SWIMMING POOL WATER SUPPLY
SMR	SNOWMELT RETURN
SMS	SNOWMELT SUPPLY
PCR	PUMPED CONDENSATE RETURN
V	VENT

MECHANICAL LINE SERVICE DESIGNATIONS	
BFW	BOILER FEED WATER
CDOR	CONDENSER GLYCOL RETURN
CDOS	CONDENSER GLYCOL SUPPLY
CHOR	CHILLED GLYCOL RETURN
CHOS	CHILLED GLYCOL SUPPLY
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CTWR	COOLING TOWER WATER RETURN
CTWS	COOLING TOWER WATER SUPPLY
G	NATURAL GAS
GTWR	GEOTHERMAL WATER RETURN
HGR	HOT GAS RETURN
HGS	HOT GAS SUPPLY
HPOR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
LPS	LOW PRESSURE STEAM
LPOR	LOW PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MPOR	MEDIUM PRESSURE CONDENSATE RETURN
RWR	RADIANT WATER RETURN
RWS	RADIANT WATER SUPPLY
SPWR	SWIMMING POOL WATER RETURN
SPWS	SWIMMING POOL WATER SUPPLY
SMR	SNOWMELT RETURN
SMS	SNOWMELT SUPPLY
PCR	PUMPED CONDENSATE RETURN
V	VENT

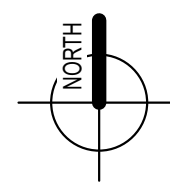
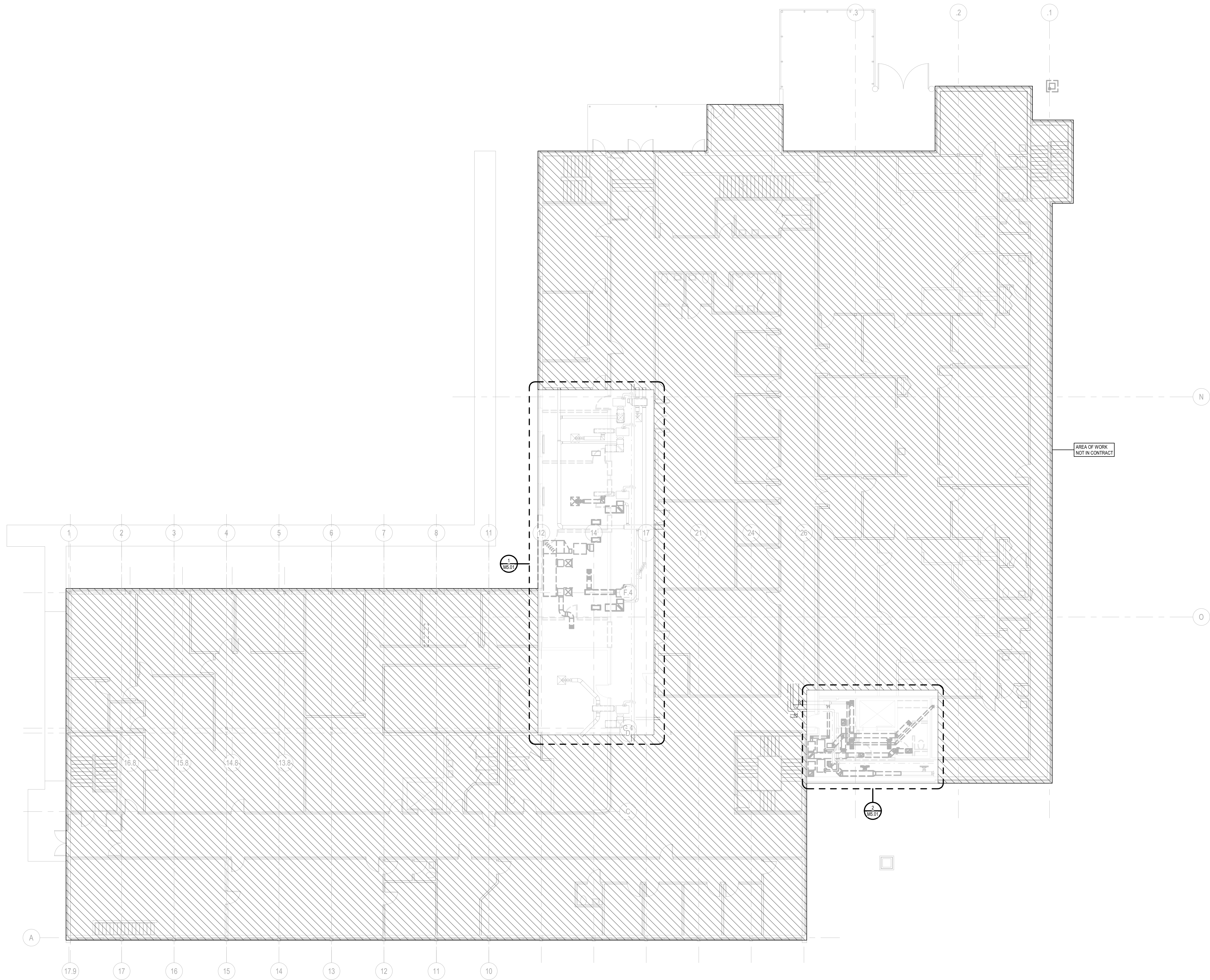
MECHANICAL ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BOO	BOTTOM OF DUCT
BGG	BOTTOM OF GRILLE
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
CH	CABINET HEATER
CLG	CEILING
CO	CLEAN-OUT
CONN	CONNECTION
CONT	CONTINUATION
CONV	CONVECTOR
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
ET	EXPANSION TANK
ERU	ENERGY RECOVERY UNIT
EX	EXISTING
FLOOR	FLOOR
MAU	MAKE-UP AIR UNIT
MFR	MANUFACTURER
MAX	MAXIMUM
MIN	MINIMUM
OA	OUTSIDE AIR
RA	RETURN AIR
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SPECS	SPECIFICATIONS
TOO	TOP OF DUCT
TOP	TOP OF GRILLE
TOP	TOP OF PIPE
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VOLUME DAMPER	VOLUME DAMPER
VTR	VENT THRU ROOF

HVAC SYMBOLS	
	THERMOSTAT / SENSOR
	RADIANT FLOOR THERMOSTAT
	HUMIDISTAT
	CARBON DIOXIDE SENSOR
	PARALLEL BLADE DAMPER
	OPPOSED BLADE DAMPER
	MOTOR OPERATED DAMPER
	VOLUME DAMPER
	FIRE DAMPER (THRU FLOOR)
	FIRE DAMPER (THRU WALL)
	SMOKE DAMPER (THRU FLOOR)
	SMOKE DAMPER (THRU WALL)
	COMBINATION FIRE/SMOKE DAMPER (THRU FLOOR)
	COMBINATION FIRE/SMOKE DAMPER (THRU WALL)
	DUCT SMOKE DETECTOR
	CONNECT TO EXISTING

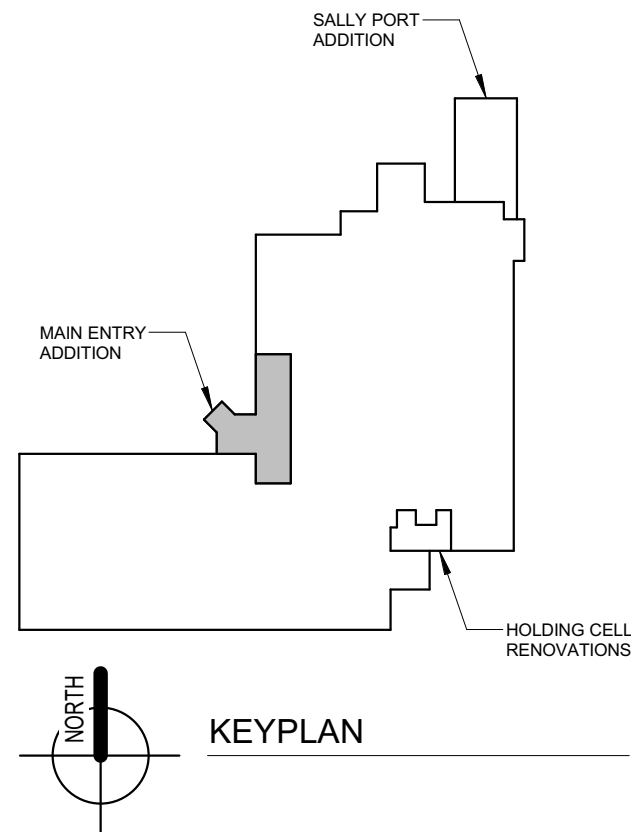
HVAC SHEETMETAL SYMBOLS	
	DUCTWORK / DIFFUSER DEMOLITION
	MITERED ELBOW (RECTANGULAR, ROUND & OVAL) TURNING VANES REQUIRED PER SPECIFICATIONS
	RECTANGULAR DUCTWORK RISE
	RECTANGULAR DUCTWORK DROP
	ROUND DUCTWORK RISE
	ROUND DUCTWORK DROP
	RECTANGULAR DUCTWORK
	ROUND DUCTWORK
	OVAL DUCTWORK
	LINED RECTANGULAR DUCTWORK
	DUCTWORK RISE SYMBOL
	DUCTWORK DROP SYMBOL
	FLEXIBLE DUCTWORK (SUPPLY)
	SUPPLY DIFFUSER (S-X)
	RETURN GRILLE (R-X)
	EXHAUST GRILLE (E-X)
	LINEAR SLOT DIFFUSER (S-X)
	SIDEWALL DIFFUSER OR GRILLE
	RECTANGULAR OR ROUND MOTORIZED DAMPER
	RECTANGULAR OR ROUND FIRE / SMOKE DAMPER
	RECTANGULAR OR ROUND FIRE DAMPER
	VAV TERMINAL BOX

PIPING & INSTR. SYMBOLS	
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	GENERAL / THERMODYNAMIC TRAP
	INVERTED BUCKET TRAP
	SUCTION DIFFUSER
	UNION
	FLEXIBLE CONNECTOR
	CAP
	BLIND FLANGE
	

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OVERALL FIRST FLOOR MECHANICAL DEMOLITION PLAN
3/32" = 1'-0"



ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

DRAWN	NVM
REVIEWED	JBH

PROJECT NO. 5-5140

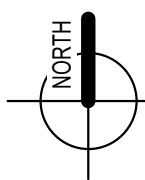
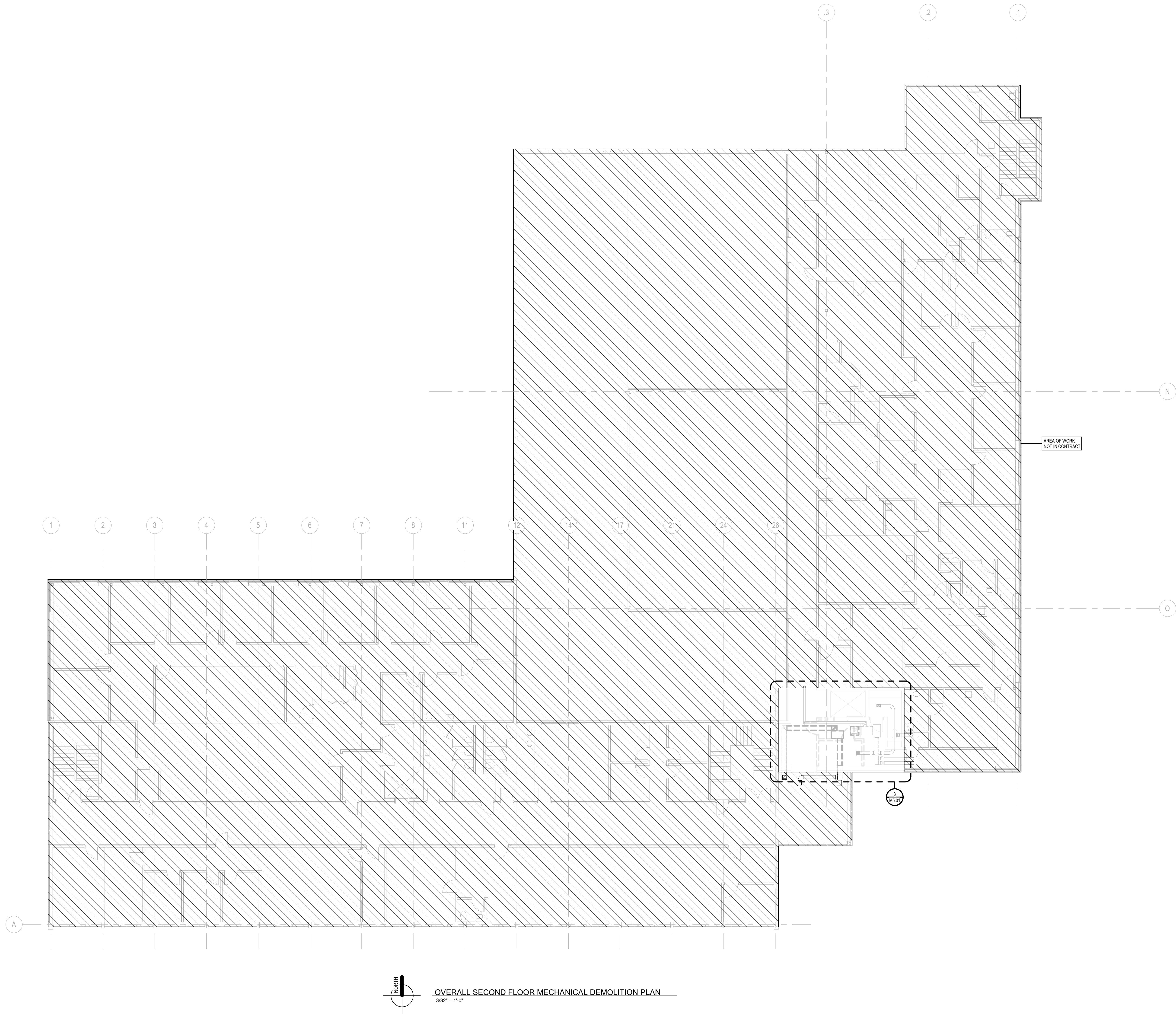
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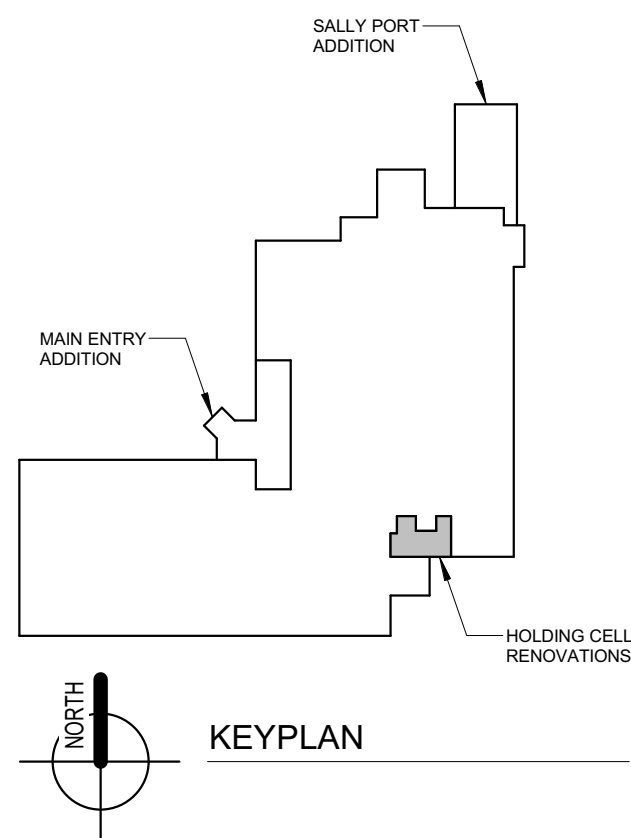
OVERALL FIRST FLOOR
MECHANICAL DEMOLITION
PLAN

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OVERALL SECOND FLOOR MECHANICAL DEMOLITION PLAN
3/32" = 1'-0"



ISSUANCES	
04.24.2020	SCHEMATIC DESIGN

DRAWN	NVM
REVIEWED	JBH

PROJECT NO. 5-5140

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OVERALL SECOND FLOOR
MECHANICAL DEMOLITION

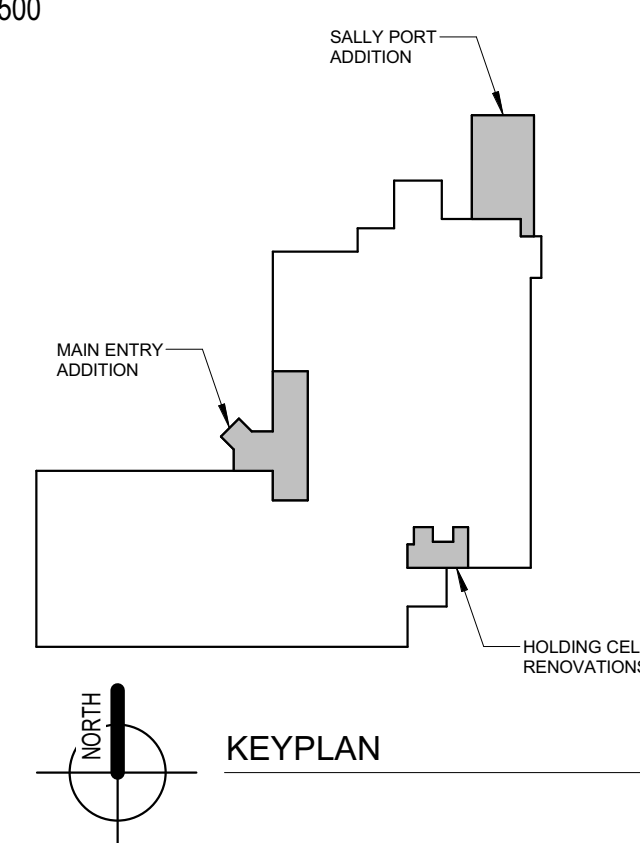
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ALLEGAN COUNTY
ALLEGAN, MICHIGAN

PROJECT NO. 5-514

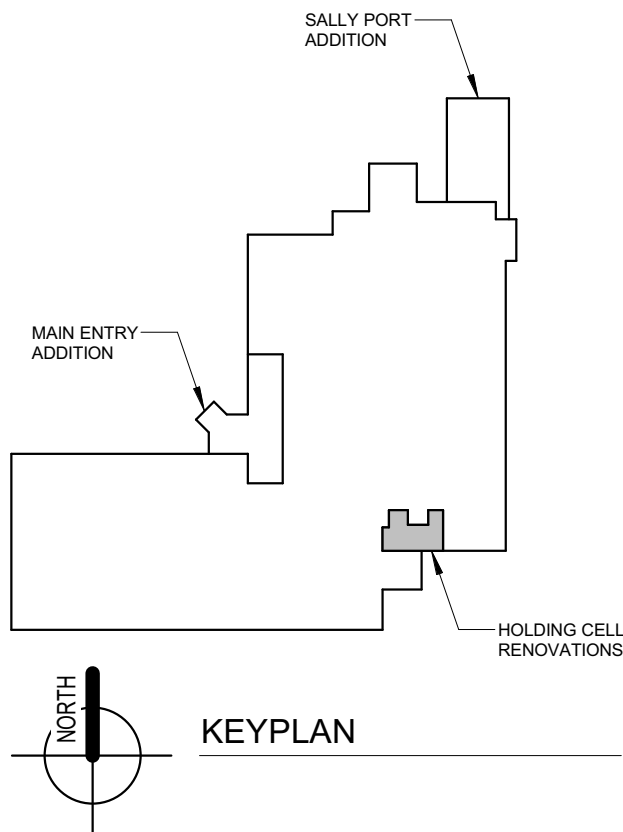
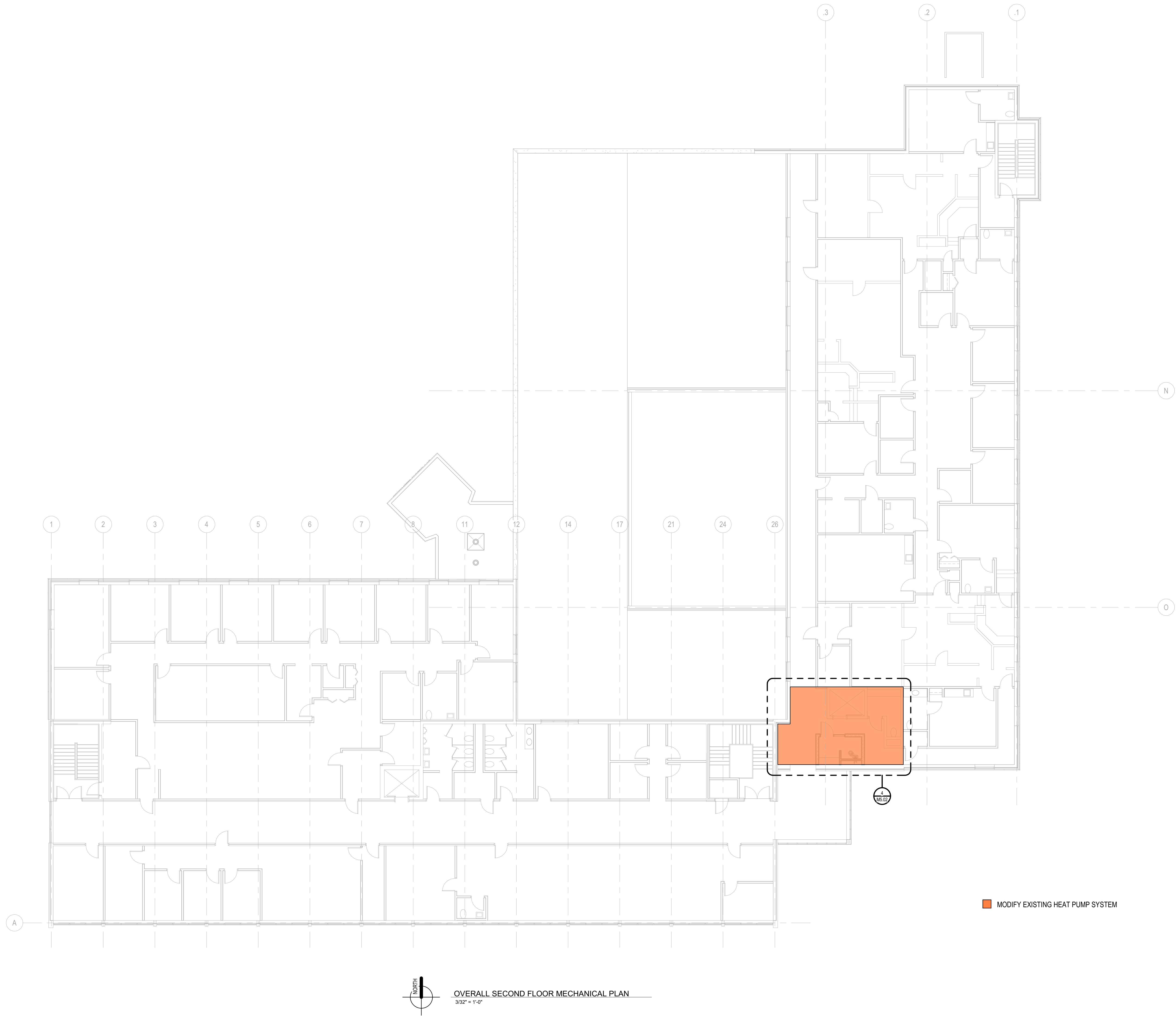
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 **OVERALL FIRST FLOOR MECHANICAL PLAN**
3/32" = 1'-0"

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ISSUANCES	
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PROJECT NO. 5-5140	
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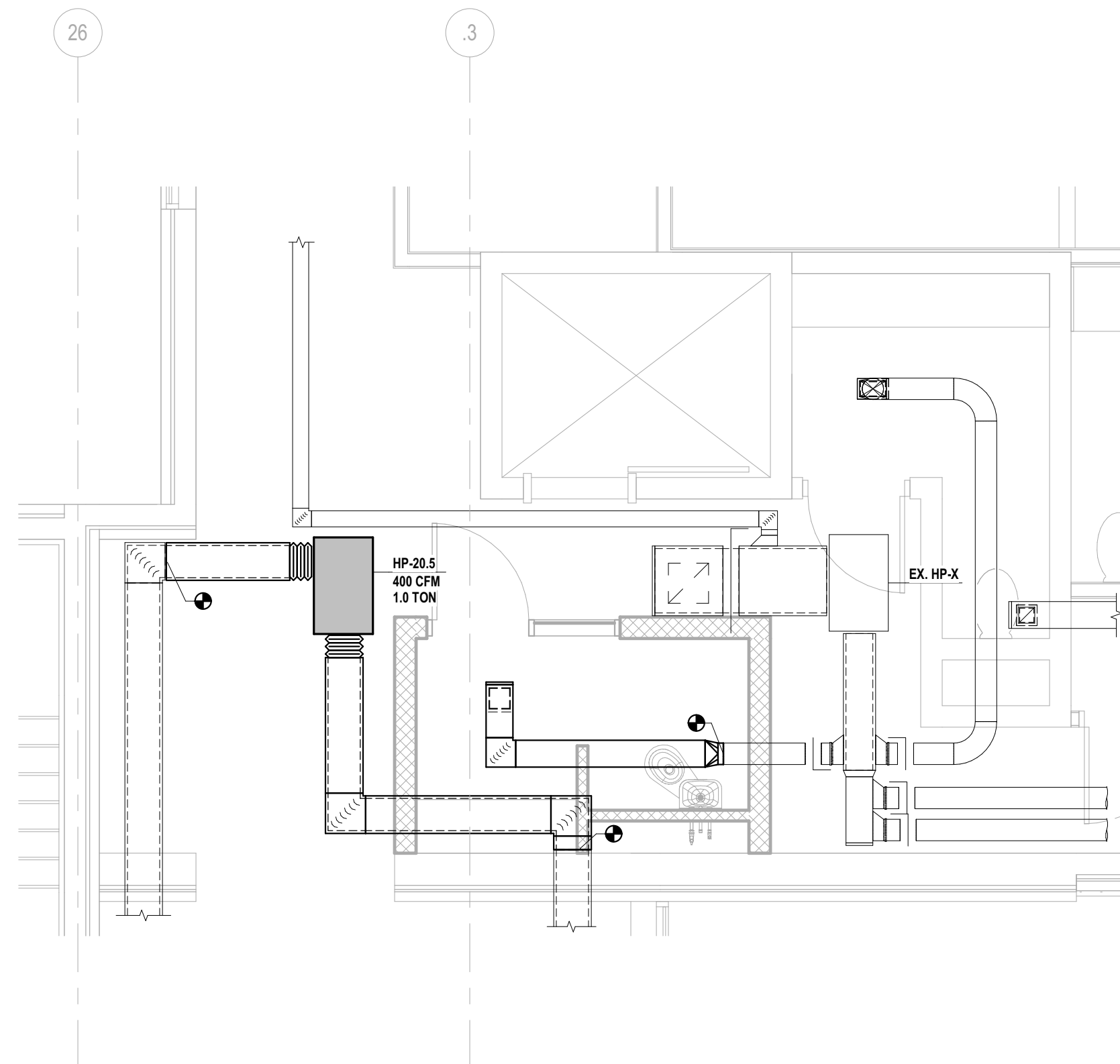
57TH DISTRICT COURTHOUSE ADDITIONS & RENOVATIONS

ALLEGAN COUNTY

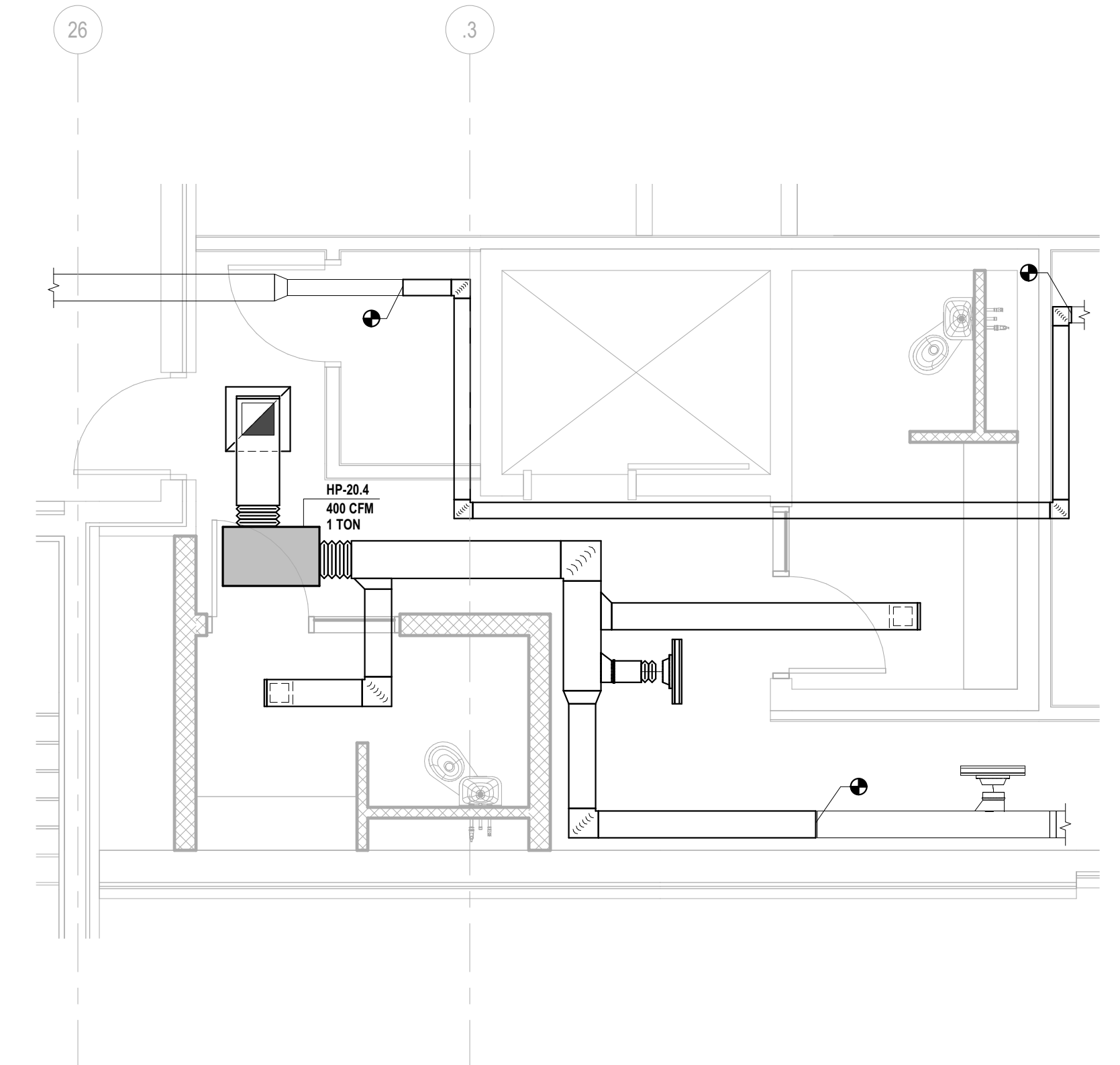
ALLEGAN, MICHIGAN

PARTIAL ENLARGED
MECHANICAL DEMOLITION
PLANS

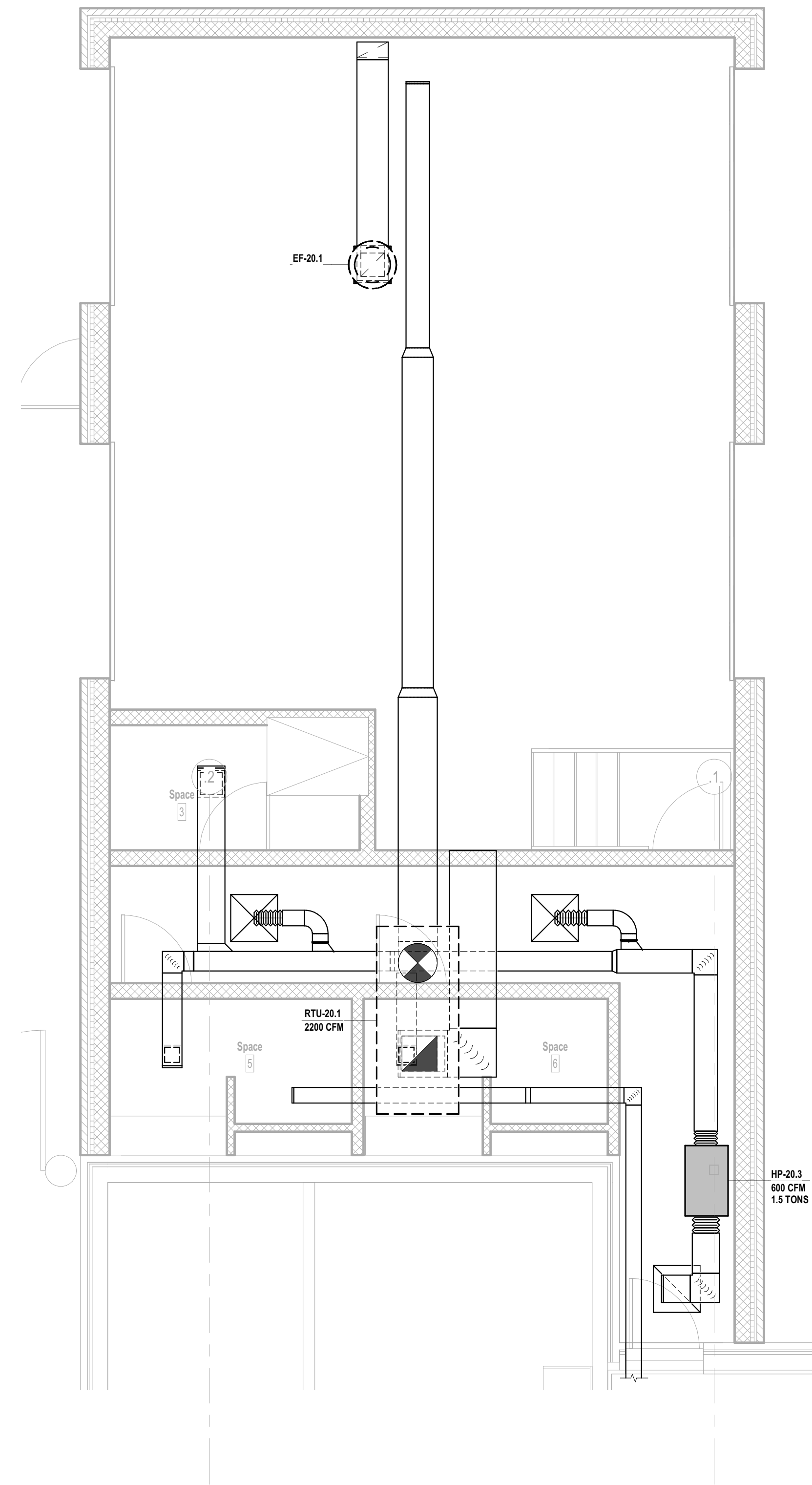
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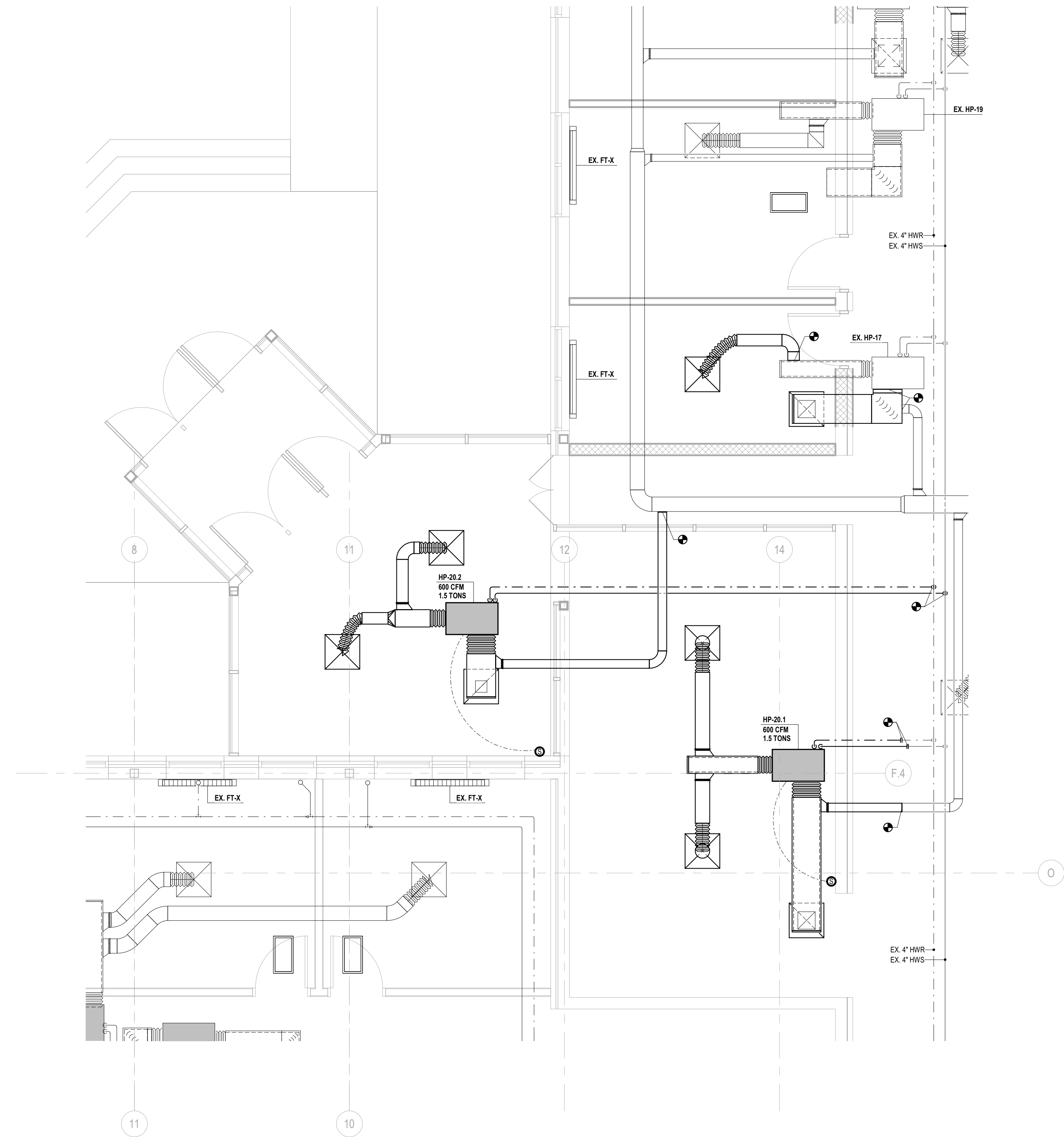
4 PARTIAL ENLARGED SECOND FLOOR HOLDING CELL MECHANICAL PLAN
M5.02
1/4" = 1'-0"



3 PARTIAL ENLARGED FIRST FLOOR HOLDING CELL MECHANICAL PLAN
M5.02
1/4" = 1'-0"



2 PARTIAL ENLARGED FIRST FLOOR SALLYPORT MECHANICAL PLAN
M5.02
1/4" = 1'-0"



1 PARTIAL ENLARGED FIRST FLOOR MECHANICAL PLAN
M5.02
1/4" = 1'-0"

S T A T E O F M I C H I G A N

BOARD OF COMMISSIONERS OF THE COUNTY OF ALLEGAN

FACILITIES MANAGEMENT—AWARD PUMP HOUSE RECONSTRUCTION BID

WHEREAS, the Allegan County Board of Commissioners (Board) appropriated \$50,000 for a 2020 capital project to reconstruct Pump House #1; and

WHEREAS, consistent with the Purchasing Policy, a request for proposal was issued to solicit bids from which the Project Team is recommending an award to DV Engineered Construction.

THEREFORE BE IT RESOLVED that the Board hereby awards the bid to reconstruct Pump House #1 to DV Engineered Construction, 5680 Glenn Mar Court, Coopersville, Michigan, 49404, for a bid amount of \$68,691; and

BE FURTHER RESOLVED that the Board authorizes an additional \$25,000 to be appropriated from capital fund balance for an overall project amount of \$75,000; and

BE IT FURTHER RESOLVED in the event project contingency is needed, the request shall be submitted to the County Administrator for internal approval; and

BE IT FINALLY RESOLVED that the County Administrator and/or the Board Chairperson are authorized to sign the necessary documents on behalf of the County and that the Executive Director of Finance is authorized to make the necessary budget adjustments to complete this action.



ALLEGAN COUNTY REQUEST FOR ACTION FORM

Completed RFA form must be attached to a work order request through the Track-It System. If you have any questions regarding this process, please contact Administration @ ext. 2633.

RFA#: 192211

Date: 6/10/20

Request Type Purchases - Capital Budget
Department Requesting Facilities Mgmt
Submitted By Valdis Kalnins on behalf of Carl Chapman
Contact Information x2532

Select a Request Type to reveal and complete required form.

Item(s):

Reconstruction of Pumphouse #1 (cement block structure on the east side of the field) which is crumbling.

Total Bid Price \$68,691.00

Budgeted? ☒ Yes ☐ No

No. Bids Sent 10.00

No. Bids Received 1.00

Prebid or Qualifications:

None

Recommendation of Award:

DV Engineered Construction

Equipment / Service / Supplies:

Reconstruction of Pumphouse #1

Where it was advertised County website and invitations to bid sent to 10 known vendors.

REMINDER - Include Tabulation Sheet

BID PRESENTATION FOR PROJECT #:

Project Name:

Service Area:

Budgeted Amount:

Bid Amount:

Difference:

Over/Under Budget

Evaluation Team:

Award Recommendation:

Award Criteria:

References supplied and checked?

[Debarred party?](#)

13096-20A

Pumphouse Reconstruction

Facilities Management

\$ 50,000.00

\$68,691.00

-\$18,691.00

OVER

Carl Chapman, Valdis Kalnins

DV Engineered Construction

Reasonable, well itemized bid, has done work for the County in the past

No - has done work for the County in the past

No

Date: 6/10/2020

Advertised: County website and invitations to bid

of Firms Invited to Bid: 10

in West Michigan: 10

in Allegan County: 2

Mandatory Pre-bid Meeting: Yes

of Pre-bid Meeting Attendees: 2

of Bids Received: 1

VENDOR TABLE	Vendor 1
Company Name	DV Engineered Construction
Company Address1	P.O. Box 79
City, State, Zip	Lamont, MI 49430
Main Contact Name	Scott Dunneback
Main Contact Title	
Main Contact Email	scott@dvec.info
Main Contact Tel#	616-881-2162
Main Contact Cell#	

COST TABLE - FIXED COSTS

ITEM	COST
General Conditions: Supervision, Porta-Jon, dumpster, insurance	\$ 5,575.00
Existing Building: excavation, building demolition and removal.	\$ 3,500.00
Structural Design: Footing Determination	\$ 1,000.00
HVAC Work.	\$ 3,500.00
Construct New Building: Poured concrete floors, walls, roof hatch, galvanized steel door and entry pad as specified. Including waterproofing and 5' x 8' x 4" apron	\$ 27,309.00
Roofing: Pre-cast concrete with opening for hatch.	\$ 6,875.00
Drainage: Provide sock drain tile at exterior perimeter wall and connection of interior drain to the outside	\$ 385.00
Restoration: Backfill around building and restore surrounding grounds.	\$ 3,675.00
Construction Management Fee	\$ 5,578.00
Total Fixed Costs	\$ 57,397.00

COST TABLE - ALLOWANCES (Not to Exceed)

Permitting Allowance:	\$ 1,500.00
Electrical Work: All disconnect / removal / temporary reconnect / re-installation. Includes potential need to install new disconnects, panel and motor starter.	\$ 7,294.00
Structural Design: Design footings if needed	\$ 2,500.00
Total Allowances	\$ 11,294.00
MAXIMUM POTENTIAL COST	\$ 68,691.00
Cost reduction if existing floor slab can be left in place and re-used.	\$ 2,861.00

S T A T E O F M I C H I G A N

BOARD OF COMMISSIONERS OF THE COUNTY OF ALLEGAN

COUNTY OF ALLEGAN – 2020 GENERAL APPROPRIATIONS ACT

WHEREAS, pursuant to MCLA 141.421 and .413, notice of a public hearing on the proposed budget was published in a newspaper of general circulation on October 3, 2019, and a public hearing on the proposed budget was held on October 10, 2019; and

WHEREAS, the Board of Commissioners intends to levy and collect the general property tax on all real and personal property within the County upon the current tax roll an allocated millage of 4.5407 mills for County operations, which includes the Allocated Veterans Relief fund; voter approved millage of .4890 for Senior Services, and a voter approved millage of 0.9919 mills for County road tax for a total millage of 6.0216; and

WHEREAS, the Board of Commissioners has reviewed the recommended balanced budget and through this resolution is appropriating funds through Line Items contained within each budgetary Activity to each Department, as attached, and County officials responsible for the expenditures authorized in the budget may expend the funds up to, but not to exceed, the total appropriation authorized for each Activity and in accordance with the Board approved Budget Policy; and

WHEREAS, the 2020 proposed budget includes the 2020 Capital and the 2020 non-capital projects and grant funds received from State, Federal and other sources, as outlined in the attached lists.

THEREFORE BE IT RESOLVED, in cases where there may be benefit financially and operationally, 2020 Capital Projects may proceed effective immediately upon adoption, contingent upon approval by the County Administrator. Subsequently, the Executive Director of Finance is authorized to perform necessary budget adjustments; and

BE IT FURTHER RESOLVED, the Board of Commissioners authorizes the Board Chairman and/or County Administrator to approve to apply for and accept when awarded all grants included in the 2020 budget submission as attached; and

BE IT FURTHER RESOLVED, the Board Chairman and/or County Administrator is authorized to sign any necessary grant documents on behalf of the County, and the Executive Director of Finance is authorized to perform any necessary budget adjustments related to these grants; and

BE IT FURTHER RESOLVED, any position fully funded through a grant shall be coterminous with the available program and grant funds; and

BE IT FURTHER RESOLVED, the Board of Commissioners adopts the proposed 2020 budget as the fiscal year 2020 Budget for the County of Allegan; and

BE IT RESOLVED, the County Administrator and/or Board of Commissioners shall make any necessary corrections and adjustments to the 2020 Budget in accordance with Board approved County policy.

Moved by Commissioner Dugan, seconded by Commissioner Kapenga to approve the resolution as presented. Motion carried by roll call vote. Yeas: Kapenga, Storey, DeYoung, Dugan and Cain. Nays: Jessup. Excused: Thiele.

ATTEST, A TRUE COPY



_____, Clerk-Register

APPROVED: October 10, 2019

cc: Admin. - Finance - Human Resources

2020 Project List

#2450 CIP Public Improvements Fund

#	Project Name	Project Description	Capital Cost
1	Pictometry Aerial Imagery	The total project cost of \$168,000 was spread over three years. Third of three payments is due in 2020. Although the County is contractually obligated to cover the full amount up to 50% of the cost may be recovered from participating Local Units which have contributed 27% of the total project cost to date.	\$ 56,000
2	Pump House 1 Reconstruction	Demolish and reconstruct crumbling Pump House #1 building.	\$ 50,000
3	Friend of the Court Vault Renovation	Implement fire suppression system in vault to support use of the vault for existing office space.	\$ 8,000
4	Roof Replacement - Sheriff's Office - Section 1B	Per Roof Maintenance Plan, combine with \$150,000 remaining from \$800,000 appropriation to replace Section 1A in 2019 and use to replace Section 1B to complete replacement of entire Section 1 of the Sheriff's Office in 2020.	\$ 370,000
5	Roof Replacement - Courthouse - Section 2	Per Roof Maintenance Plan, retrofit Section 2 of the Courthouse roof.	\$ 175,000
6	Roof Replacement - Courthouse - Section 4	Per Roof Maintenance Plan, replace Section 4 of the Courthouse roof.	\$ 40,000
7	Pavement Maintenance	Secure a contractor to provide crack-filling and other pavement maintenance services to all County owned pavement surfaces on an annual basis.	\$ 30,000
8	Water Tower - Clean and Repaint Interior	Sandblast, clean and repaint the interior of the Water Tower if fall 2019 inspection confirms anticipated maintenance is necessary.	\$ 20,000
9	Lagoon Structure Valve Replacement	Replace six below-ground valves that control flow of water through the sewage lagoon irrigation system.	\$ 16,000
10	ACSO Relocate and Repair/Replace Heat Pumps	Both Heat Pumps controlling classroom temperatures have failed and are inaccessible for diagnostics and repairs. This project is to relocate the heat pumps and associated ductwork to a more accessible location, diagnose the failure and make the necessary heat pump repairs or replacements.	\$ 16,000
11	Repair ACSO Domestic Water Boiler	Domestic Water Boiler #3 at the ACSO has a cracked heat exchanger that needs to be replaced.	\$ 13,000
12	UPS Battery Replacement - CH	UPS Maintenance Plan - Batteries will be 5 years old and due for replacement.	\$ 6,000
13	Vehicles - 6 Sheriff Patrol Vehicles	Vehicle Replacement Plan - Purchase and equip six Ford Utility vehicles.	\$ 201,000
14	Jail Security System Upgrade (release reserves)	Reduce \$400,000 reserves by up to \$115,000 to fund replacement of jail security system servers, other critical equipment and upgrade software as may be necessary to ensure continued reliable functionality of the system.	\$ (115,000)
14	Jail Security System Upgrade	Expend up to \$115,000 to fund replacement of jail security system servers, other critical equipment and upgrade software as may be necessary to ensure continued reliable functionality of the system.	\$ 115,000

15	Vehicles - 3 Facilities Pick-ups	Vehicle Replacement Plan - Purchase and equip 3 Pick-up trucks: 2 Ford F250 4x4 and 1 Ford F150 4x4 Crew Cab , equipment included.	\$ 90,000
16	CSB HVAC System Replacement	Replace three complete HVAC systems and replace furnaces on two systems.	\$ 50,000
17	Vehicles - 2 Court Vehicles	Vehicle Replacement Plan - Purchase and equip two Ford Fusion SE	\$ 38,500
18	Vehicles - Sheriff Patrol Vehicle Equipment	Vehicle Replacement Plan - Purchase and install equipment for 6 patrol vehicles @ 6,500 each	\$ 39,000
19	Furniture Replacement	Entering year 4 of a 5-year plan to replace Courthouse chairs. Some funds may be used to replace chairs in other buildings based on need.	\$ 30,000
20	Scanner Replacements	Technology Replacement Plan - Replace two Records Management Scanners	\$ 20,000
21	Copier Replacements	Technology Replacement Plan - Replace three Copiers	\$ 16,000
22	Server Replacement	Technology Replacement Plan - Replace County Server(s)	\$ 15,000
23	Inmate Lookup Tool	Implement an on-line interface to allow anyone to look-up inmate information and status which currently requires a phone call to the Sheriff's Office where staff need to look it up.	\$ 10,000
24	Marine Shallow Water Boat, Motor and Trailer Replacement	Inflatable sections of 27 year-old Marine Patrol Boat purchased with grant funds have dry rotted and no longer hold air leaving only one shallow-water boat available for the entire county.	\$ 30,000
25	Probate Court Microfilm Scanning	Re-image microfilm to protect it from vinegar syndrome. Also scan microfilm and index it to make an easily accessible digital copy.	\$ 60,000
26	eTicket Solution Implementation	Deploy e-Ticketing solution (software and printers) to 37 patrol cars.	\$ 70,000
27	Body Scanner Replacement	Body Scanner acquired by Sheriff's Office through federal surplus program is no longer working. The Sheriff's Office would like to have it replaced.	\$ 160,000
28	ACSO add Dehumidification Controls to Air Handlers	Add controls to Air Handlers to enable system to better manage building humidity.	\$ 10,000
		TOTAL - All 2020 Requests Received and Identified	\$ 1,639,500

Courthouse Improvement Project

The following Courthouse improvement project is to be funded through a use of \$500,000 in #2450 – CIP Public Improvement Fund Balance, and a transfer-in of up to \$500,000 from the Fund Balance of #6770 – Self-Insurance Fund to 2450 - CIP Public Improvement Fund to reimburse actual expenditures on this project.

#	Project Name	Project Description	Budget
29	Courthouse Improvements	Improvements to the County Courthouse: 1) New central entrance; 2) Sally port; 3) Holding cell improvements.	\$ 1,000,000
		TOTAL 2020 Capital Funding Appropriation upon Budget Approval	\$ 1,000,000

Recommended Fund Balance Transfers

Transfer all remaining funds from 2460 to 2450 (\$4,817.36 as of 8/5/2019) at the end of 2019 to consolidate funds and simplify planning and management of capital and other general fund projects

Transfer all remaining funds from 2475 to 2450 (\$296,026.13 as of 8/5/2019) at the end of 2019 to consolidate funds and simplify planning and management of capital and other general fund projects

Parks Capital Projects

The following parks projects are to be funded through a Transfer In of up to \$273,700 from the Fund Balance of #2470 – Local Revenue Sharing Fund available to fund Parks Capital and/or Economic Development Initiatives as approved by the Board of Commissioners per Budget Policy parameters to #2450 – Public Improvement Fund as needed to reimburse actual expenditures on the listed projects.

#	Project Name	Project Description	Budget
30	Vehicles - 3 Parks Pick-ups	Vehicle Replacement Plan. Purchase and equip 3 pick-ups: 1 Ford F350 4x4, 1 Ford F250 4x4, 1 Ford F150 4x4, equipment included. Sell 3 vehicles.	\$ 93,000
31	Pavement Maintenance	Secure a contractor to provide crack-filling and other pavement maintenance services to all County owned pavement surfaces on an annual basis.	\$ 25,000
32	Vault Outhouses - Venting and Roofing - Ely Lake and Silver Creek	Install venting at 12 vault outhouses (Ely Lake and Silver Creek) and replace corrugated fiberglass roofing at 5 vault outhouses (Silver Creek)	\$ 30,000
33	Silver Creek Park Improvements	Local match for DNR Trust Fund Grants approved by Board 3/14/2019 if grant application for park improvements is approved by the State.	\$ 125,700
		TOTAL 2020 Capital Funding Appropriation upon Budget Approval	\$ 273,700

#2465 Child Care Capital			
#	Project Name	Project Description	Budget
34	Fire Suppression System Improvements	Inspection and certification of the new Fire Panel in the Youth Home requires numerous upgrades to the fire suppression system.	\$ 100,000
35	AC System Replacement	Air Handling Units for cooling are well past their life expectancy. Intent is to replace one in 2020 to better determine replacement costs for the 6 remaining units.	\$ 15,000
36	Pavement Maintenance	Secure a contractor to provide crack-filling and other pavement maintenance services to all County owned pavement surfaces on an annual basis.	\$ 5,000
37	UPS Battery Replacement	UPS Maintenance Plan - Batteries will be 5 years old and due for replacement.	\$ 2,300
38	Cheever Wardrobe Replacement	Replace aging wardrobes and plastic nightstands with heavy duty metal furniture.	\$ 10,000
		TOTAL 2020 Capital Funding Appropriation upon Budget Approval	\$ 132,300

#2118 Central Dispatch Capital			
#	Project Name	Project Description	Budget
39	Audio Call Recorder Upgrade	Upgrade software to record incoming digital calls and replace the server which has been in service for the past 7 years.	\$ 15,000
40	New Siren Activation Mechanism	Sirens are currently activated through the old VHF system which continues to be maintained for this purpose. This project would implement an alternate method for siren activation and allow for the complete decommissioning of the VHF system.	\$ 100,000
41	Dispatch CAD Upgrade	Upgrade New World CAD software and interconnected systems to newest version.	\$ 160,000
42	Dispatch Surveillance Camera Replacement	Replace 18 year-old CCTV camera system at Central Dispatch with a new system.	\$ 15,000
43	Pavement Maintenance	Secure a contractor to provide crack-filling and other pavement maintenance services to all County owned pavement surfaces on an annual basis.	\$ 2,000
		TOTAL 2020 Capital Funding Appropriation upon Budget Approval	\$ 292,000

#2300 Transportation Grant			
#	Project Name	Project Description	Budget
44	Vehicles - 4 Transit busses	Vehicle Replacement Plan - Purchase and equip 4 propane busses at \$98,115	\$397,460
45	Tire Changer and Wheel Balancer Replacement	Equipment purchased in 2010 is starting to wear out and has met MDOT criteria for replacement.	\$16,000
56	Vehicle Diagnostic Scanner Replacement	Current scanner is no longer supported by manufacturer and can't be used to run diagnostics on newer vehicles.	\$5,500
47	Pavement Maintenance	Secure a contractor to provide crack-filling and minor repair services to all County owned pavement surfaces on an annual basis.	\$ 2,000
48	Building Video Surveillance System	Implement new interior and exterior building video surveillance system.	\$6,000
		TOTAL 2020 Capital Funding Appropriation upon Budget Approval	\$ 426,960

S T A T E O F M I C H I G A N

BOARD OF COMMISSIONERS OF THE COUNTY OF ALLEGAN

ANIMAL SHELTER—BUDGET ADJUSTMENT/KENNEL REPLACEMENT PROJECT

WHEREAS, at the time of construction of the current Animal Shelter certain kennels were utilized from the old facility; and

WHEREAS, said kennels have further deteriorated due to age and recent moves resulting from renovations; they have been determined to be in need of replacement.

THEREFORE BE IT RESOLVED, that the Allegan County Board of Commissioners hereby authorizes an amount of up to \$6,500 be appropriated from the Animal Shelter Fund Balance(Fund 2550) for Facilities Management to purchase, and oversee the installation of, new kennels; and

BE IT FURTHER RESOLVED, the Executive Director of Finance is authorized to make the necessary budget adjustments to complete this action.