



**Village Council
Agenda for Regular Meeting of July 23, 2024
Assembly Hall
395 Magnolia Road, Pinehurst, NC 28374
Pinehurst, North Carolina
4:30 PM**

1. Call to Order
2. Invocation and Pledge of Allegiance
3. Reports
 - A. Manager
 - B. Council
4. Motion to Approve Consent Agenda

All items listed below are considered routine or have been discussed at length in previous meetings and will be enacted by one motion. No separate discussion will be held unless requested by a member of the Village Council.

- A. Approval of Village Council Meeting Minutes
 1. July 09, 2024, Regular Meeting Minutes
 2. July 09, 2024, Work Session Minutes
 3. July 09, 2024, Closed Session Minutes
- B. FY 2024 End of Year Summary Reports for the Police Department and Fire Department
- C. Budget Amendments Report

End of Consent Agenda

5. Public Comments
6. Ordinances
 - A. Ordinance 24-13 Amending the Library Expansion Capital Project Fund
 - B. Ordinance 24-14 No Parking Along the U.S. Kids Parade Route July 30, 2024 from 4:00 PM to 7:00 PM
7. Regular Business

- A. Library Design Progress Update from Oakley Collier Architects
 - B. Report from Councilmembers on the NCDOT Listening Sessions for the Proposed Continuous Flow Intersection (CFI) Replacement of the Pinehurst Traffic Circle (PTC)
 - C. Website Review
 - D. Discuss the Chinquapin and Magnolia Intersection & Stormwater Improvements Project
- 8. Other Business
 - 9. Motion to Adjourn

Vision: The Village of Pinehurst is a charming, vibrant community which reflects our rich history and traditions.

Mission: Promote, enhance, and sustain the quality of life for residents, businesses, and visitors.

Values: Service, Initiative, Teamwork, and Improvement.



July 09, 2024, Regular Meeting Minutes
ADDITIONAL AGENDA DETAILS:

FROM: Shannon Konstantinou, Village Clerk
CC: Village Council;
DATE OF MEMO: 07/15/2024

MEMO DETAILS

ATTACHMENTS

1. 07.09.2024 DRAFT Regular Meeting Minutes



**Village Council
Minutes for the Regular Meeting of July 09, 2024
Assembly Hall
395 Magnolia Road
Pinehurst, North Carolina
4:30 p.m.**

The Pinehurst Village Council held a Regular Meeting at 04:30 p.m., Tuesday, July 09, 2024, in the Assembly Hall of Village Hall, 395 Magnolia Road, Pinehurst, North Carolina.

The following were in attendance in Assembly Hall:

Mr. Patrick Pizzella, Mayor
Dr. Jeff Morgan, Councilmember
Ms. Barb Ficklin, Councilmember
Mr. John Taylor, Mayor Pro Tem
Mr. Jack Farrell, Councilmember
Mr. Jeff Sanborn, Village Manager
Ms. Shannon Konstantinou, Village Clerk
Mr. Josh Dockery, IT Specialist

And approximately 18 attendees in addition to 11 staff and 1 press.

1. Call to Order.

Mayor Pizzella called the Village Council meeting to order at 04:30 p.m.

2. Invocation by Mr. Hugh Tudor-Foley and Pledge of Allegiance by Liselle Romero.

3. Reports:

Village Manager

- Mr. Jeff Sanborn did not have anything to report.

Village Council

- Mayor Pizzella commended the Village Staff for an excellent job facilitating the July 4th parade, informed residents they may request a vacation check for their homes with the Police Department through MYVOP, and reported on the July 03, 2024, The Pilot article regarding the impact of the U.S. Open on the local businesses and community.
- Councilmember Morgan commended the Village Staff on the July 04th events and provided positive feedback on the U.S. Open events and preparations.
- Councilmember Ficklin did not have anything to report.
- Mayor Pro Tem Taylor commended the Village Staff on the July 04th and U.S. Open events and provided positive feedback on both.

- Councilmember Farrell reported on the July 04th parade attendance and on the July 08, 2024, Bicycle and Pedestrian Advisory Committee's (BPAC) quarterly meeting noting Mr. Tom Campbell, BPAC Chair, has served on the Village of Pinehurst community in different capacities for 22 years.

4. Motion to Approve Consent Agenda.

All items listed below are considered routine or have been discussed at length in previous meetings and will be enacted by one motion. No separate discussion will be held unless requested by a member of the Village Council.

A. Approval of Village Council Meeting Minutes

- June 25, 2024, Regular Meeting Minutes
- June 25, 2024, Work Session Minutes
- June 25, 2024, Closed Session Minutes

End of Consent Agenda.

Upon a motion by Councilmember Farrell, seconded by Councilmember Morgan, Council unanimously approved the Consent Agenda by a vote of 5-0.

5. Public Comments.

Ms. Trish Christina, Pinehurst resident, expressed concerns regarding the excessive deer population within the Village, and presented Council with photos and a petition from residents requesting Council action on the matter.

Council clarified the exact neighborhood Ms. Christina was representing and advised Ms. Christina to contact her Neighborhood Advisory Committee representative.

Council discussed the 2014 Deer Management Task Force report, which is available on the vopnc.org website at:

<https://www.vopnc.org/home/showpublisheddocument/4372/636014997770630000>

Ms. Alana Romero, Pinehurst resident, spoke in opposition to culling the deer population by implementing an urban archery program and noted much of the consolidation of the deer population to specific neighborhoods within the Village is due to commercial and residential development impacting the natural areas where the deer used to live.

Ms. Laura Paine, Pinehurst resident, expressed concerns regarding the excessive deer population within the Village.

6. Resolutions.

A. Discuss and Consider Resolution 24-26 Changes to the Policy on the Administration of the Position Classification and Pay Plan

Ms. Angela Kantor, Human Resources Director, reviewed a memo outlining the recommended changes to the Policy on the Administration of the Position Classification and Pay Plan, and discussed with Council how the salary adjustment from a pay grade change will impact the budget, how pay grade changes are determined, and how part-time compensation is determined, and how many positions and the frequency of position reviews.

Upon a motion by Councilmember Ficklin, seconded by Councilmember Morgan, Council

unanimously approved Resolution 24-26 amending the Policy on Administration of the Position Classification and Pay Plan for the Village of Pinehurst by a vote of 5-0.

RESOLUTION #24-26:

A RESOLUTION AMENDING THE POLICY ON ADMINISTRATION OF THE POSITION CLASSIFICATION AND PAY PLAN FOR THE VILLAGE OF PINEHURST.

WHEREAS, the Village Council of Pinehurst, North Carolina, adopted the Policy on Administration of the Position Classification and Pay Plan on November 17, 2009; and

WHEREAS, the Village Council of Pinehurst, North Carolina, amended the Policy on Administration of the Position Classification and Pay Plan on June 27, 2023; and

WHEREAS, changes in the organization infrastructure and guiding policies and procedures must be made as personnel needs of the Village change.

NOW, THEREFORE, BE IT RESOLVED by the Village Council of the Village of Pinehurst, North Carolina in a regular meeting assembled this 9th day of July 2024 as follows:

SECTION 1. That the Policy on the Administration of the Position Classification and Pay Plan is hereby amended effective July 1, 2024; said policy attached hereto as Attachment A and made a part hereof; the same as if included verbatim.

SECTION 2. That the pay ranges in the Position Classification and Pay Plan for the Village of Pinehurst are hereby amended by 4.1 percent; said Pay Plans attached hereto as part of Attachment B and Attachment C and made a part hereof; the same as if included verbatim.

THIS RESOLUTION passed and adopted this 9th day of July 2024.

ATTACHMENT A

		VILLAGE OF PINEHURST	
		STANDARD POLICY	
SUBJECT:	Position Classification and Pay Plan Policy	Effective Date:	11/17/2009
Department:	Human Resources	Policy No.:	HR-416
Prepared by:	Human Resources	Revised:	7/1/2024
Approved by:	Village Council	# of Pages:	5

PURPOSE OF THE POSITION CLASSIFICATION AND PAY PLAN:

The Position Classification and Pay Plans (Attachments B and C) is aimed at providing a complete inventory of all authorized positions in the Village service and an accurate description and specification for each class of employment. The Plan standardizes job titles, each of which is indicative of a range of duties and responsibilities.

The Plan also includes the basic salary ranges for each regular full-time and regular part-time position approved by Council. These ranges are market-based pay grades consisting of minimum, mid-point and maximum pay rates. The Plan also includes basic salary ranges for seasonal, on-call, reserve, and other part-time positions working less than 20 hours per week. These ranges have minimum and maximum pay rates.

GENERAL PROVISIONS OF THE PLAN:

Administration and Maintenance

The Village Manager, assisted by the Human Resources Director, is responsible for the administration and maintenance of the Plan. The Human Resources Director should annually review portions of the Plan and recommend appropriate changes to the Village Manager. All employees covered by the Plan must be paid at a rate listed within the salary range established for the respective position.

The Plan is intended to provide equitable compensation for all employees, reflecting differences in the duties and responsibilities, the comparable rates of pay for positions in private and public employment in the area, changes in the impacts of inflation, the financial condition of the Village, and other factors. The Human Resources Director will be responsible for making comparative studies of all factors affecting the level of salary ranges and for recommending changes to the Village Manager. The Human Resources Director will also conduct a competitive and comparative salary study for each position at least every three years. Any changes increasing or decreasing the assigned salary grade for a position or the title for a position, must be approved by Village Council. Any changes modifying the salary ranges in the Plan must also be approved by Village Council.

Starting Salaries

Applicants who are in positions approved in the Plan shall be employed within the salary range for that position classification.

Financial Incentives

The Village Manager has the authority to approve certain financial incentives in order to recruit qualified candidates for certain positions. Moving expenses may be reimbursed to newly hired employees who are relocating to the Pinehurst area. Reimbursement amounts will depend on the position and the relocation distance. An automobile allowance may also be offered for certain positions in lieu of an assigned Village vehicle.

Merit Pay

Merit increases will be based on employee performance from July 1st through June 30th and will be effective October 1st for all eligible employees. Merit increases will range from zero to three percent, with three percent being reserved for truly extraordinary performance. Employees will receive a performance review, with no salary adjustment, after six months in a new position and then annually thereafter immediately following the end of the fiscal year.

Employees hired between July 1st and December 31st are eligible for a performance-based, prorated merit increase the following October. Employees hired between January 1st and June 30th will be eligible for a pro-rated merit increase, based on the budgeted merit percentage, in the year hired. Upward movement within the established salary range for an employee is not automatic, but rather based upon specific performance-related reasons and other factors. All performance reviews are based on an employee's demonstration of the Village's core values and the behavioral and technical competencies listed in their position description as well as the completion of goals. Employees in supervisory roles are also evaluated on leadership attributes.

Seasonal, on-call, reserve, and other part-time positions working less than 20 hours per week, but at least 520 hours in the fiscal year, are also eligible for a merit increase. These employees will be evaluated on their job knowledge, demonstration of the Village's core values and other factors. Merit increases will also be prorated based on hire date as listed above.

Guidelines for determining performance levels and performance pay increases or other performance-related movement within the pay grade may be established in procedures approved by the Village Manager. The merit increase range is subject to change during the Strategic Operating Plan process, which begins in February and ends in June each year.

Lump Sum Payment

Employees who are at the maximum of the salary range for their position classification may be eligible for a lump sum payment at performance evaluation time. Lump sum payments are awarded based on the employee's performance and will also be between zero and three percent. Lump sum payments do not become part of base pay. The lump sum payment range will be the same as the merit increase range and is subject to change during the Strategic Operating Plan process, which begins in February and ends in June each year.

Cost of Living Adjustments (COLA)

Each year, the position classification and pay plan grades may be adjusted by the annual average consumer price index percentage change for the prior calendar year. Adjustments to pay grades will be effective July 1st.

Employees, including the Village Manager, may also receive a cost-of-living adjustment (COLA) based on the annual average consumer price index percentage for the prior calendar year. Employees who work less than 20 hours per week will be eligible for COLA. Returning camp staff will be eligible for COLA at the start of camp unless an internal equity-based increase exceeds COLA amount. Recreation instructors are not eligible for COLA.

Beginning in FY24, employees hired during the fiscal year will receive a pro-rated cost-of-living adjustment, if approved, at the beginning of the next fiscal year based on their hire date. The COLA will be effective July 1st of the new fiscal year. COLA will be applied before any other pay adjustments.

Salary Effect of Promotions, Demotions, Transfers, Interim Assignments and Reclassifications

Promotions – When an employee is promoted, the employee's salary will be negotiated within the new grade. The amount of the pay increase depends on performance, degree of increased responsibility, time since the last salary adjustment, budget, and other factors. Promoted employees are still eligible for a performance-based merit increase the following October; however, the merit increase will be prorated from the promotion date.

Demotions – When an employee is demoted, the salary normally should be set at the rate in the lower pay range, which provides a minimal decrease in pay if action is not the result of corrective action. If the current salary is within the new range, the employee's salary may be retained at the previous rate. If the demotion is the result of corrective action, the salary may be decreased.

Transfers – The salary of an employee reassigned to a position in the same class or to a position in a different class within the same salary grade should not be changed by reassignment. However, employees transferred to a position in a lower salary grade may receive a decrease in pay.

Interim Assignments – If an employee accepts an interim assignment for a higher-level position that is temporarily vacant, the employee may receive a 5% increase for each grade up to 10% or minimum of the pay grade, whichever is higher. The interim assignment must be at least four consecutive weeks. Once the interim assignment ends, the employee's pay will revert to the pay established before the interim assignment.

Reclassifications – If a position is reclassified to a higher salary grade, employees in that position may receive a 5% increase for each grade up to 10%. There may be exceptions if the changes in the job responsibilities are significant enough to warrant a greater

increase or the employee's salary remains below the minimum of the new grade after any adjustment.

The Village Manager may delay implementation of a pay increase for any employee who has recently documented corrective actions and who is not currently meeting all job requirements until such time the employee is fully meeting all job requirements. Otherwise, all employees will be treated consistently in the implementation.

Regardless of the position in the new salary grade, employees who have been hired or promoted to a position within the past year are not automatically eligible for salary increases due to changes in position reclassifications.

If the position is reclassified to a lower salary grade, the employee's salary should remain the same. If the employee's salary is above the maximum established for the new range, the salary of that employee shall be maintained at the current level until the range is increased above the employee's salary.

Effective Date of Salary Changes

Salary changes approved after the first working day of a pay period shall become effective at the beginning of that pay period or at such specific date as may be established pursuant to procedures approved by the Village Manager. Salary adjustments recommended because of the annual salary study are effective July 1st once approved by council. Salary adjustments based on any off cycle pay and classification plan changes will be effective as directed by Village Council.

Payroll Deduction

Deductions shall be made from each employee's salary, as required by law. Additional deductions may be made upon the request of the employee on determination by the Village Manager as to capability of payroll equipment and appropriateness of the deduction.

Composition of the Plan

The Plan should consist of:

- a) a grouping of positions in classes which are approximately equal in difficulty and responsibility which call for the same general level of qualifications, and which can be equitably compensated within the range of pay under similar working conditions;
- b) class titles descriptive of the work of the class; and
- c) the appropriate pay grade associated with the position.

Use of the Plan

Class specifications should be descriptive of the type and scope of work performed.

The Plan is to be used:

- a) as a guide in recruiting and examining applicants for employment;

- b) in determining lines of promotion and developing employee training programs; and
- c) in determining salary to be paid for various types of work;

Authorization of the Plan

The Plan shall be approved by the Village Council and will be maintained on file with the Human Resources Director. Copies will be available to all Village employees for review. New positions shall be established upon recommendation of the Village Manager and approval of the Village Council, after which the Human Resources Director is responsible for either allocating the new position into the appropriate existing class or revising the Plan to establish a new class to which the position may be allocated. The Village Manager may approve changes to existing positions that do not require a change in pay grade or a change in title.

Request for Reclassification

Department Heads may request that a position be reclassified into a different class or pay grade based on significant and permanent changes in the level of duties, responsibilities, and/or authorities. Upon receipt of such request, the Human Resources Director will study the request, determine the merit of reclassification and if merited, recommend a reclassification and a new pay grade to the Village Manager. Modified positions also may be evaluated for proper position classification. To assist the Village on this review process, Department Heads are expected to:

- a) be familiar with the Position Classification and Pay Plan;
- b) make sure they are informed about the job duties performed by each employee under their supervision;
- c) advise the Human Resources Director of any permanent changes in job duties;
- d) make recommendations for changes in position classifications. These recommendations should be based on significant changes in the duties associated with a position and/or in the structure of a department that will continue to exist on a long-term basis.

The Village Council is responsible for approving any recommended reclassifications. The Village may contact outside consultants and other sources to assist in any reclassification decision

ATTACHMENT B

Village of Pinehurst Position Classification and Pay Plan FY 2024-2025

FLSA	GRADE	POSITION	MINIMUM	MIDPOINT	MAXIMUM
	12	Streets & Grounds Maintenance Worker I	34,480	43,100	51,720
	13	Parks Maintenance Specialist I Streets & Grounds Maintenance Worker II Track Specialist	36,204	45,255	54,306

		Welcome Center Coordinator			
	14	Customer Service Representative Fleet Service Apprentice Parks Maintenance Specialist II Solid Waste Equipment Operator Track Crew Leader	38,015	47,519	57,023
	15	Administrative Assistant Firefighter Trainee Grounds Maintenance Crew Leader Library and Archives Associate Street Maintenance Crew Leader Telecommunications Specialist I	39,916	49,895	59,874
	16	Administrative Specialist Assistant Solid Waste Superintendent Events Assistant Firefighter (Non-EMT, Reserve) Fleet Service Technician I Facilities Maintenance Technician Recreation Assistant Telecommunications Specialist II	41,912	52,390	62,868
	17	Administrative and Data Coordinator Financial Services Technician Firefighter EMT (2nd Class, 1st Class) Fleet Service Technician II Human Resources Technician	44,008	55,010	66,012
E	18	Code Compliance Technician Grounds Maintenance Supervisor IT Technician Library Services and Archives Supervisor Parks Maintenance Supervisor Police Cadet Senior Fleet Service Technician	46,208	57,760	69,312
E	19	Administrative and Telecommunications Coordinator Fair Barn Coordinator Fire and Life Safety Educator Planning and Zoning Specialist Senior Firefighter (Fire Engineer) Street Maintenance Supervisor Track Superintendent	48,518	60,648	72,777
	20	Athletic Coordinator Fire Lieutenant Police Officer Recreation Programs Coordinator Special Events Coordinator	50,944	63,680	76,416
	21	Code Compliance Specialist Engineering Technician Senior Police Officer	53,491	66,864	80,237
E E	22	Building Inspector-Level I Financial Services Supervisor Master Police Officer Planner	56,166	70,208	84,249

E=Exempt from the Wage and Hour provisions of the Fair Labor Standards Act (FLSA)

5%=Spread between grades

ATTACHMENT C

Village of Pinehurst
Position Classification and Pay Plan (Seasonal, On-Call, Reserve, and Other PT Positions)
FY 2024-2025

GRADE	POSITION	MINIMUM	MAXIMUM
11P	Facility Supervisor (Recreation)	\$12.00	\$18.00
12P	Camp Counselor	\$12.00	\$18.00
13P	Event Maintenance Staff Fair Barn Facility Crew	\$15.00	\$22.50
14P	Reserve Firefighter, Non-EMT	\$15.20	\$22.80
15P	Reserve Firefighter EMT	\$15.97	\$23.96
16P	Camp Supervisor	\$16.00	\$24.00
17P	Fair Barn Assistant	\$16.50	\$24.75
18P	Staffing Pool	\$18.25	\$27.38
19P	On-Call Telecommunications Specialist	\$19.19	\$28.79
20P	Fire Inspector Reserve Police Officer	\$23.33	\$35.00
30P	Recreation Program Instructors*	\$30.00	\$45.00

*Grade 30P no annual COLA adjustment
All Positions are Non-Exempt

50%=Spread within the grade

7. Other Business.

Council further discussed the deer population concerns expressed during the Public Comment period and agreed to revisit the issue in September 2024.

Council discussed the Town of Southern Pines' recent adoption of higher utility fees for developers / new developments.

Mayor Pizzella reminded everyone that the July 23, 2024, meeting will include discussions of the website analytics and code enforcement.

8. Motion to Adjourn.

Upon a motion by Mayor Pro Tem Taylor, seconded by Councilmember Farrell, Council unanimously approved to adjourn the Regular Meeting by a vote of 5-0 at 05:05 p.m.

Respectfully Submitted,

Shannon Konstantinou
Village Clerk

A videotape of this meeting is located on the Village website: www.vopnc.org

Vision: The Village of Pinehurst is a charming, vibrant community, which reflects our rich history and traditions.

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DRAFT



July 09, 2024, Work Session Minutes
ADDITIONAL AGENDA DETAILS:

FROM: Shannon Konstantinou, Village Clerk
CC: Village Council;
DATE OF MEMO: 07/15/2024

MEMO DETAILS

ATTACHMENTS

1. 07.09.2024 DRAFT Work Session Minutes



**Village Council
Minutes for the Work Session of July 09, 2024
Assembly Hall
395 Magnolia Road
Pinehurst, North Carolina
4:30 p.m.**

The Pinehurst Village Council held a Work Session Meeting at 05:16 p.m., Tuesday, July 09, 2024, in the Assembly Hall of Village Hall, 395 Magnolia Road, Pinehurst, North Carolina.

The following were in attendance in Assembly Hall:

Mr. Patrick Pizzella, Mayor
Dr. Jeff Morgan, Councilmember
Ms. Barb Ficklin, Councilmember
Mr. John Taylor, Mayor Pro Tem
Mr. Jack Farrell, Councilmember
Mr. Jeff Sanborn, Village Manager
Ms. Shannon Konstantinou, Village Clerk
Mr. Josh Dockery, IT Technician

And approximately 4 attendees in addition to 6 staff and 1 press.

1. Call to Order.

Mayor Pizzella called the Village Council meeting to order at 05:17 p.m.

2. Discussion of the Pinehurst Traffic Circle.

Mayor Pizzella reminded residents to attend the NCDOT Listening Sessions as listed on the sandhillssmpo.org website under “Studies and Plans”.

Councilmember Farrell presented Council with a draft letter to the National Park Service outlining the potential impact the proposed CFI will have on the historic Midland Road and how the road structure of the Village contributes to the landmark status. Council agreed to provide feedback to Councilmember Farrell and readdress the letter after the NCDOT Listening Sessions. Council further agreed to copy in appropriate NCDOT Staff and Congressman Hudson.

Mayor Pro Tem Taylor provided Council with reports on traffic source data and projections and reviewed details of the reports. Council discussed how NCDOT compiles the projections.

Council discussed the timeline for the widening of 15-501 North and the fact that the work is to be done in conjunction with the work on the Pinehurst Traffic Circle.

Council discussed the impact the proposed Continuous Flow Intersection replacement for the Pinehurst Traffic Circle would have on the traffic data and whether any studies or numbers were available that detail changes to the number of traffic accidents, etc. since the lane divider improvements were done to the Pinehurst Traffic Circle.

3. Other Business.

Council discussed the 2024 Annual Letter to Dornoch.

Council reviewed an update on the fiber optic installations occurring throughout the Village.

Council discussed the recent letter in The Pilot regarding the proposal to construct multifamily dwellings within the Pinewild neighborhood.

Upon a motion by Councilmember Morgan, seconded by Mayor Pro Tem Taylor, Council unanimously approved to recess the Work Session and enter into a Closed Session pursuant to NCGS § 143-318.11(a)(3) to consult with an attorney employed or retained by the public body in order to preserve the attorney-client privilege between the attorney and the public body, which privilege is hereby acknowledged by a vote of 5-0 at 06:07 p.m.

4. Closed Session.

Upon a motion by Councilmember Morgan, seconded by Mayor Pro Tem Taylor, Council unanimously approved to adjourn the Closed Session and re-enter the Work Session by a vote of 5-0 at 07:23 p.m.

5. Adjournment.

Upon a motion by Councilmember Morgan, seconded by Councilmember Ficklin, Council unanimously approved to adjourn the Work Session by a vote of 5-0 at 07:23 p.m.

Respectfully Submitted,

Shannon Konstantinou
Village Clerk

A videotape of this meeting is located on the Village website: www.vopnc.org

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Values: Service, Initiative, Teamwork, and Improvement



July 09, 2024, Closed Session Minutes
ADDITIONAL AGENDA DETAILS:

FROM: Shannon Konstantinou, Village Clerk
CC: Village Council;
DATE OF MEMO: 07/15/2024

MEMO DETAILS

ATTACHMENTS

1. 07.09.2024 DRAFT CLS Minutes



FY 2024 End of Year Summary Reports for the Police Department and Fire Department

ADDITIONAL AGENDA DETAILS:

FROM: Shannon Konstantinou, Village Clerk
CC: Village Council;
DATE OF MEMO: 07/15/2024

MEMO DETAILS

ATTACHMENTS

1. FY24 PD Report
2. FY24 FD Report

Police Department FY24 Report to Council

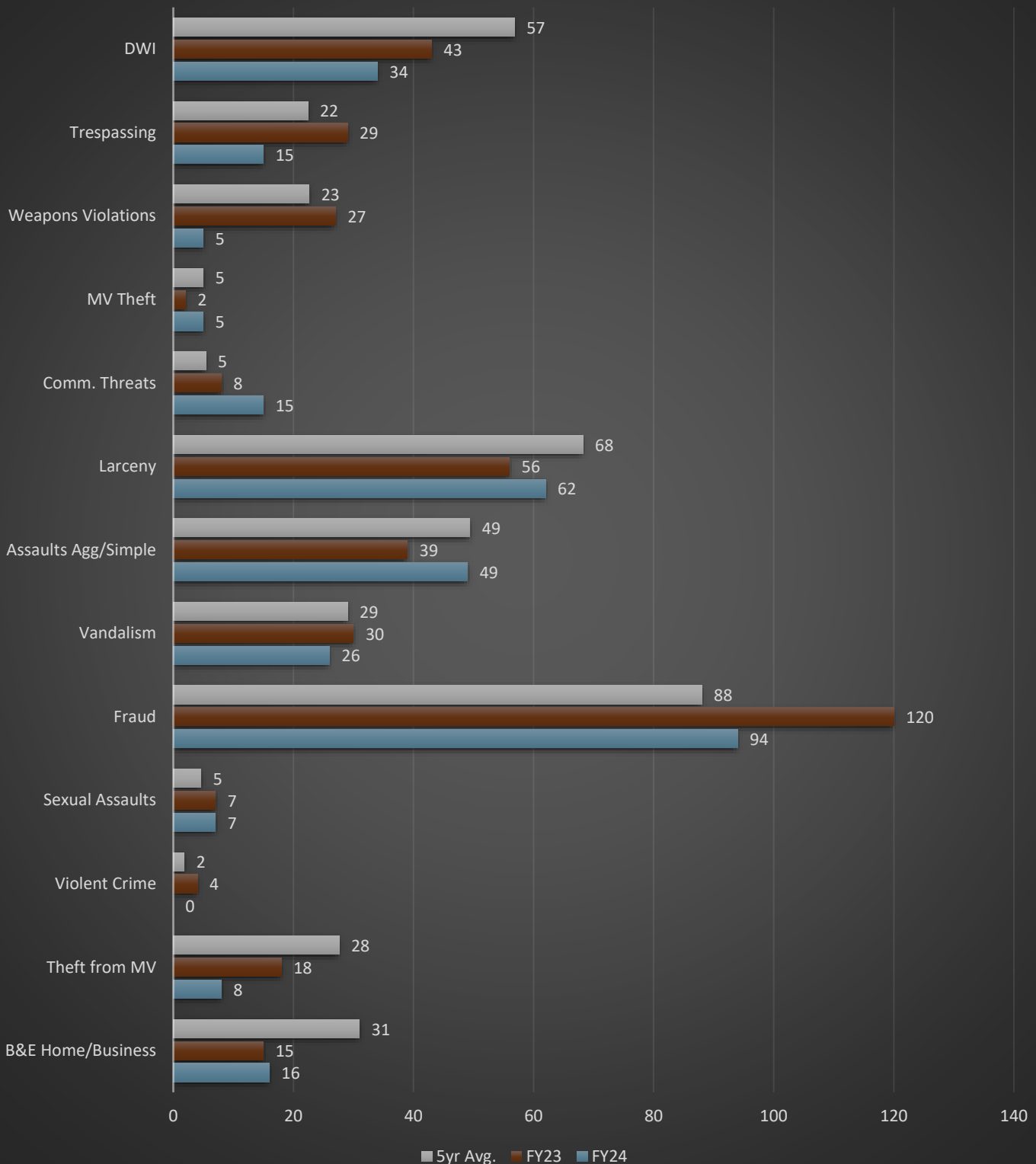


Prepared by
Chief Glen Webb

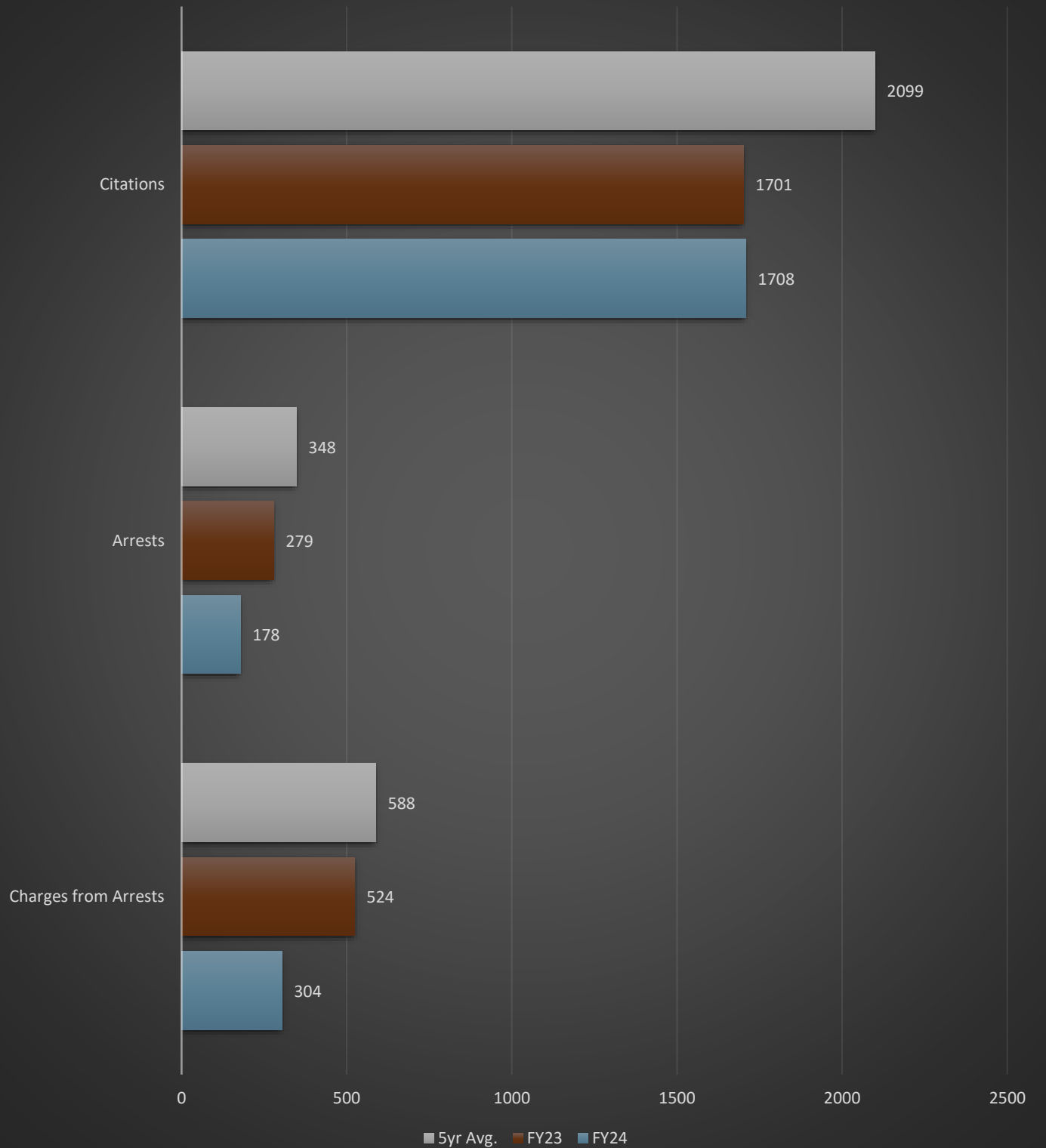
7.1.2024

Pinehurst Police FY24 Report (With FY23 & 5-Year Avg.)

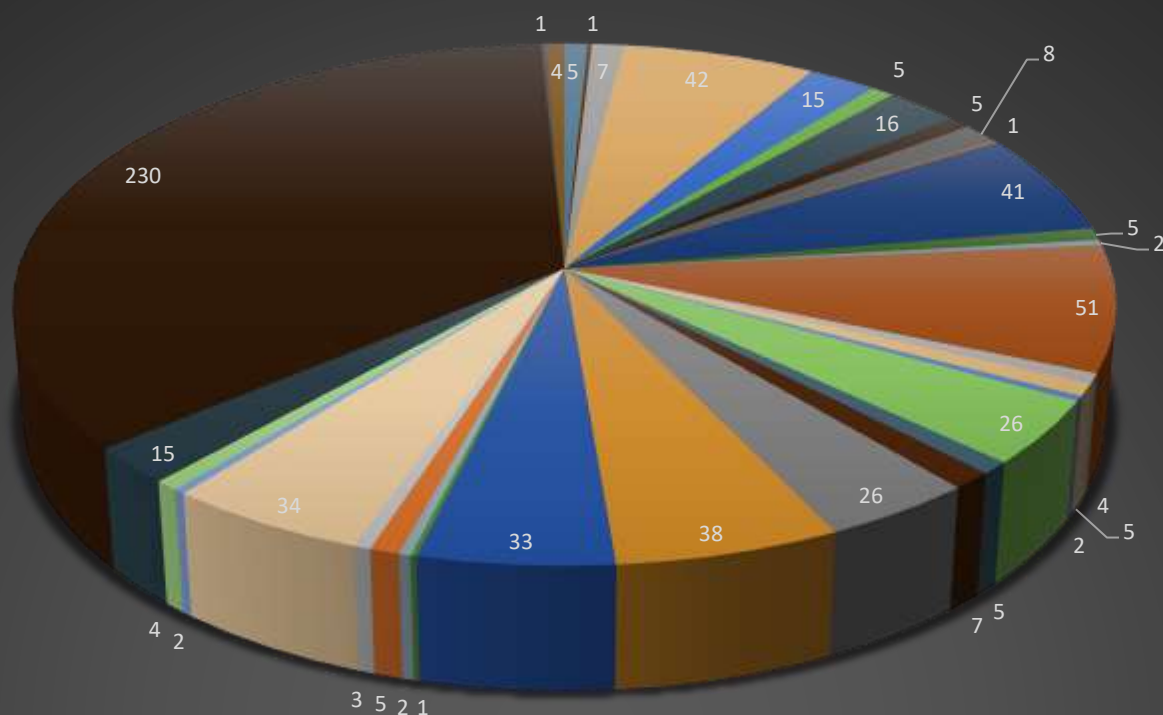
Crime Report FY24



FY24 Citations and Arrests



FY24 Proportions



- | | |
|---|---|
| ■ 11A Rape | ■ 11D Fondling |
| ■ 13A Aggravated Assault | ■ 13B Simple Assault |
| ■ 13C Intimidation | ■ 210 Extortion/Blackmail |
| ■ 220 Burglary/Breaking & Entering | ■ 23D Theft From Building |
| ■ 23F Theft From Motor Vehicle | ■ 23G Theft of Motor Vehicle Parts or Accessories |
| ■ 23H All Other Larceny | ■ 240 Motor Vehicle Theft |
| ■ 250 Counterfeiting/Forgery | ■ 26A False Pretenses/Swindle/Confidence Game |
| ■ 26B Credit Card/Automatic Teller Machine Fraud | ■ 26C Impersonation |
| ■ 26E Wire Fraud | ■ 26F Identity Theft |
| ■ 26G Hacking/Computer Invasion | ■ 280 Stolen Property Offenses |
| ■ 290 Destruction/Damage/Vandalism of Property | ■ 35A Drug/Narcotic Violations |
| ■ 35B Drug Equipment Violations | ■ 36B Statutory Rape |
| ■ 370 Pornography/Obscene Material | ■ 520 Weapon Law Violations |
| ■ 90C Disorderly Conduct | ■ 90D Driving Under the Influence |
| ■ 90F Family Offenses, Nonviolent | ■ 90G Liquor Law Violations |
| ■ 90J Trespass of Real Property | ■ 90Z All Other Offenses |
| ■ B&E Veh. Breaking and/or Entering a Motor Vehicle | ■ IDTheft Identity Theft |

Summary

For the fiscal year ending June 30, 2024, crime has remained low. We saw decreases in Theft from Motor Vehicles, Violent Crime, as well as Vehicle Breaking and Entering. Fraud is still a concern as our population is often the target of scams. What we see are not scams that require interaction with our citizens which makes them nearly impossible to stop on our end because they aren't behavior related. Most are discovered after the fact and are products of international networks, for example, data breaches that result in new accounts being open.

Below I have inserted our customer satisfaction rating. We have continued using Power Engage which sends text messages to callers who request police services. Our response rate for FY2024 is 46% with a 93% positivity rate. Normally in surveys, people who have a negative experience are more motivated to respond. This rating is a testament to the performance of our officers and their commitment to our core values of Service, Initiative, Teamwork, and Improvement.

The department continues to seek Accreditation through the North Carolina Education, Training, and Standards Division. This pursuit will continue into FY25.

Highlights

During this FY, each officer, in addition to their normal duties, completed state mandated training in the following subjects: Subject Control and Arrest, Firearms, Hazardous Materials, Bloodborne Pathogens, CPR, Officer Safety, How to Render Aid Under Gunfire, Juvenile Justice Issues, Ethics, Domestic Violence and Elder Abuse, Active Shooter Response, Citizens with Firearms, 2024 Legal Update, and 2024 Legislative Update.

Officers also sought training in other specialized areas such as Drug Recognition Expert, Standardized Field Sobriety Testing, Radar, Intox, Criminal Investigations, Traffic Crash Investigations, and Instructor Training.

During FY24 Lt. Jason Caulder completed the Administrative Officers Management Program (AOMP) at North Carolina State University. Lieutenants Washington and Gatling also began AOMP at the end of FY24 and will wrap up in the next few weeks. AOMP is a nationally recognized and respected program for law enforcement leaders.

During FY24 the department-initiated body cam live streaming for officers and dispatchers, allowing them to view each other's cameras that are on and recording to increase officer safety. License Plate Readers (LPRs) were activated in our dash cameras which has led to several arrests for various offenses. Virtual Reality Training has been initiated as well, allowing officers to receive more immersive training while on duty.

Pinehurst was also ranked the safest place to retire during FY24. <https://www.nasdaq.com/articles/25-safest-and-most-affordable-places-to-retire-across-america>. According to Safewise.com, Pinehurst is the safest city in North Carolina <https://www.safewise.com/blog/safest-cities-north-carolina/>.

Customer Satisfaction



Lt. Cauder and Chief Webb
AOMP Graduation



Sgt. Amanda Lopez
VR Training



PINEHURST FIRE DEPARTMENT

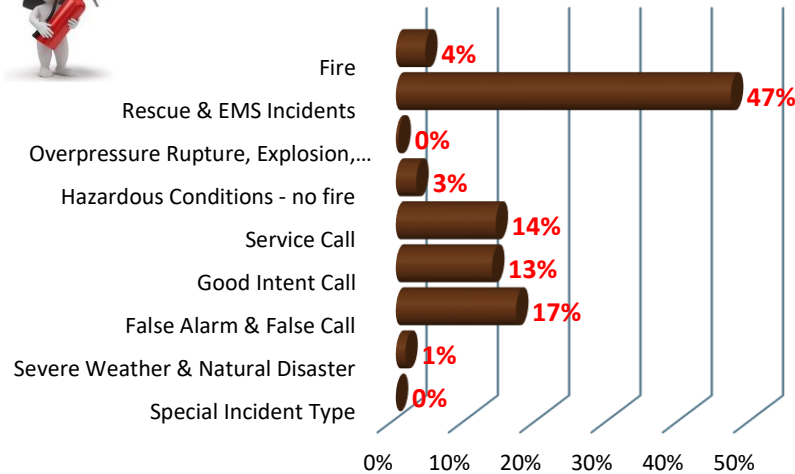
Year By The Numbers - FY 2024



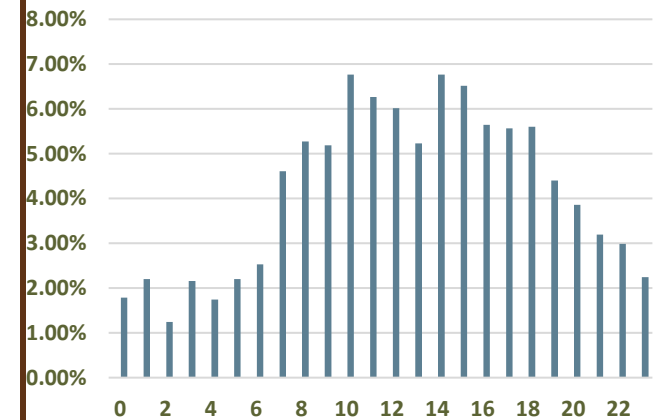
Calls for Service **2409**
Overlapping Incidents **22.62%**
Busiest Day of Week **FRI**
Busiest Hour of Day **10a/2p**
Times Staff Recalled **12**



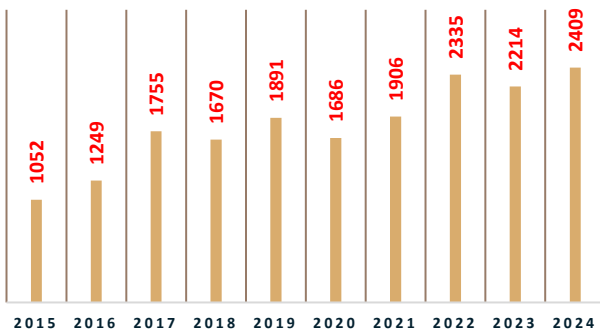
% of Calls for Service (CFS)



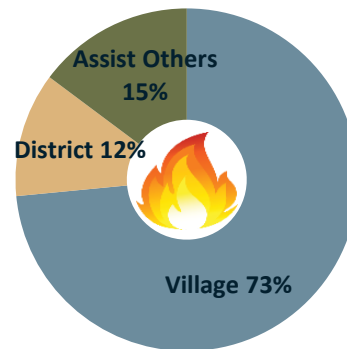
% CFS BY HOUR OF DAY



10 YEAR COMPARISON



LOCATION OF CFS



State
Mandated
Inspections
Completed

724

*499 US OPEN
Plan Reviews,
Compliance,
Consultations,
Reinspections

1115

Days Since Last Lost Time
Accident in FD **1599**



YTD Training Hours

IN HOUSE



ADVANCE

7135

1710

Public Awareness Contacts



47,222



Budget Amendments Report

ADDITIONAL AGENDA DETAILS:

FROM: Dana Van Nostrand, Financial Services Director
CC: Village Council;
DATE OF MEMO: 07/16/2024

MEMO DETAILS

Attached is the report of the interdepartmental budget amendment for FY 2024 that was approved by the Village Manager for additional US Open Showcase costs above what was estimated.

ATTACHMENTS

1. Budget Amendment Report FY 2024



**VILLAGE OF PINEHURST
BUDGET AMENDMENTS APPROVED BY BUDGET OFFICER
FOR THE PERIOD JUNE 1, 2024 - JUNE 30, 2024**

Under Village of Pinehurst Ordinance #23-14, the Village Council grants the Budget Officer (the Village Manager) the ability to transfer appropriations under specific conditions. These conditions allow transfers between departments (including contingency) of the same fund to increase an appropriation up to \$25,000 in a single budget amendment for the FY 2024 Budget. The Budget Officer may not transfer monies between funds at any time.

According to Section 159-15 of The Local Government Budget and Fiscal Control Act, "any such transfers shall be reported to the governing board at its next regular meeting and shall be entered in the minutes." Listed below are the amendments authorized by the Budget Officer for the period specified above.

Note: Since appropriations are made at the department level, line item adjustments within the same department may be made without limit and do not require a report since they do not actually amend the adopted budget ordinance.

<u>ACCOUNT NUMBER</u>	<u>DESCRIPTION</u>	<u>DEBIT</u>	<u>CREDIT</u>	<u>APPROVED DATE</u>
1	Reallocate funds to cover the estimated actual costs of the Village's US Open Showcase and other US Open visitor materials expenditures (pocket map and schedule of events, visitor guide, walking tour, etc.)			6/24/2024
10-80-610-5470	US Open Experience - Parks & Recreation	\$ 10,000		
10-00-220-9999	Contingency - Administration		2,400	
10-00-220-5300	Contracted Services - Administration		7,600	
		<u>\$ 10,000</u>	<u>\$ 10,000</u>	



Ordinance 24-13 Amending the Library Expansion Capital Project Fund ADDITIONAL AGENDA DETAILS:

FROM: Dana Van Nostrand, Financial Services Director
CC: Village Council;
DATE OF MEMO: 07/08/2024

MEMO DETAILS

This ordinance transfers \$9,100 from the Construction Costs line in the Library Expansion Capital Project Fund budget to the Design Costs line to cover additional survey or other design costs that are not included within the scope of the Oakley Collier Architects contract. The potential for additional costs was not contemplated in the previous budget amendment for the Oakley Collier contract. This ordinance would also delegate authority to the Village Manager to transfer funds between line items within the Library Expansion Capital Project Fund up to \$10,000. Any such transfers would require a formal report at the next regular meeting of Village Council, similar to the report of General Fund transfers between departments up to \$25,000. Delegating this authority would give management the flexibility to transfer funds so necessary work can be initiated without waiting for a Council meeting to adopt budget amendments for small amounts.

ATTACHMENTS

1. Ordinance 24-13 Library Expansion CPF Budget Amendment

ORDINANCE #24-13:

AN ORDINANCE AMENDING THE LIBRARY EXPANSION CAPITAL PROJECT FUND BUDGET FOR THE VILLAGE OF PINEHURST, NORTH CAROLINA.

THAT WHEREAS, the Village adopted Ordinance #22-06 establishing the Library Expansion Capital Project Fund for the design and construction of an expansion of the Given Memorial Library and Tufts Archives building located on Cherokee Road; and

WHEREAS, the Village adopted Ordinances #23-12 and #24-10 amending the Library Expansion Capital Project Fund budget; and

WHEREAS, the Village has commenced the architectural and design services related to the expansion; and

WHEREAS, costs for land surveys or other work that is part of the design phase of the library expansion project that is not within the scope of the architectural design contract with Oakley Collier Architects may be needed; and

WHEREAS, the Library Expansion Capital Project Fund budget needs to be amended to increase the appropriation for these potential costs and;

NOW, THEREFORE, BE IT ORDAINED AND ESTABLISHED by the Governing Body of the Village of Pinehurst, North Carolina, that pursuant to Section 13.2 of Chapter 159 of the General Statutes of North Carolina, the Library Expansion Capital Project Fund is amended as follows:

SECTION 1. A portion of the appropriations for the project shall be transferred from the Capital Outlay: Construction Costs line item to the Capital Outlay: Design Costs line item to provide available appropriations for design work aside from the design contract with Oakley Collier Architects as follows:

<u>Account No.</u>	<u>Account Name</u>	<u>Current Budget</u>	<u>Amendment</u>	<u>Amended Budget</u>
50-80-615-7600	Capital Outlay: Design Costs	\$600,900	\$9,100	\$610,000
50-80-615-7601	Capital Outlay: Construction Costs	819,100	(9,100)	810,000
	TOTAL	<u>\$1,420,000</u>	<u>\$ 0</u>	<u>\$1,420,000</u>

SECTION 2. The revenues anticipated to be available to complete this project are unchanged.

SECTION 3. The Village Manager is hereby authorized to transfer appropriations between line items in the Library Expansion Capital Project Fund up to \$10,000 with an official report of such transfers made at the next regular meeting of the Village Council.

SECTION 4. Copies of this capital project ordinance shall be furnished to the Village Clerk, Village Manager, and Financial Services Director for direction in carrying out this project.

THIS ORDINANCE passed and adopted this 23rd day of July, 2024.

VILLAGE OF PINEHURST
VILLAGE COUNCIL

(Municipal Seal)

By: _____
Patrick Pizzella, Mayor

Attest:

Approved as to Form:

Shannon Konstantinou, Village Clerk

Michael J. Newman, Village Attorney

DRAFT



**Ordinance 24-14 No Parking Along the U.S. Kids Parade Route July 30, 2024
from 4:00 PM to 7:00 PM
ADDITIONAL AGENDA DETAILS:**

FROM: Doug Willardson, Assistant Village Manager
CC: Village Council;
DATE OF MEMO: 07/16/2024

MEMO DETAILS

The organizers of the U.S. Kids Parade have requested that the Village prohibit parking along the parade route immediately before and during the parade on July 30th. The attached map shows the parade route and the attached ordinance amends the parking ordinance for the day. Staff will coordinate with the parade organizers for sufficient signage leading up to the parade.

ATTACHMENTS

1. Ordinance 24-14 Municipal Code Amendment (Parking Restrictions for US Kids Parade)
2. Parade Route Map

ORDINANCE #24-14:

AN ORDINANCE AMENDING CHAPTER 72 OF THE PINEHURST MUNICIPAL CODE AS IT PERTAINS TO TEMPORARY PARKING IN THE VILLAGE OF PINEHURST DURING THE 2024 US KIDS PARADE.

THAT, WHEREAS, the Village Council of the Village of Pinehurst adopted an ordinance dated October 20, 1980, establishing and implementing certain authorized police powers for the purpose of prescribing regulations governing conditions detrimental to the health, safety, and welfare of its citizens; and

WHEREAS, on September 13, 2011 the Village Council of the Village of Pinehurst adopted Ordinance 11-25 which adopted the general ordinances of the Village of Pinehurst as revised, amended, restated, codified, and compiled in book form and declared that these shall constitute the “Village of Pinehurst, North Carolina Municipal Code;” and

WHEREAS, the Municipal Code will be subsequently amended from time to time as conditions warrant; and

WHEREAS, the Village Council has determined that it is in the interests of health, safety, and welfare of both the guests and the citizens of Pinehurst to further regulate parking during the 2024 US Kids Parade by prohibiting parking at the designated locations listed below;

NOW, THEREFORE, BE IT ORDAINED AND ESTABLISHED by the Village Council of the Village of Pinehurst, North Carolina, in a regular meeting assembled this 23rd day of July, 2024, as follows:

SECTION 1. That Schedule I – Parking Prohibited at All Times of Chapter 72, Section 72.01 of the Pinehurst Municipal Code is hereby amended by adding the following streets and roads to the schedule of those designated as “No Parking to be effective from 4:00 to 7:00 PM on July 30, 2024:

<i>Street</i>	<i>Side</i>	<i>Location</i>
Carolina Vista Drive	Both	Magnolia Road to Old NC 2
Magnolia Road	Both	Carolina Vista Drive to Chinquapin Road
Chinquapin Road	Both	Magnolia Road to Cherokee Road

SECTION 2. That all ordinances in conflict herewith are hereby declared null and void while this ordinance is effective.

SECTION 3. That this ordinance shall be in full force and effect from 4:00 PM to 7:00 PM on July 30, 2024.

THIS ORDINANCE passed and adopted this 23rd day of July, 2024.

VILLAGE OF PINEHURST
VILLAGE COUNCIL

(Municipal Seal)

By: _____
Patrick Pizzella, Mayor

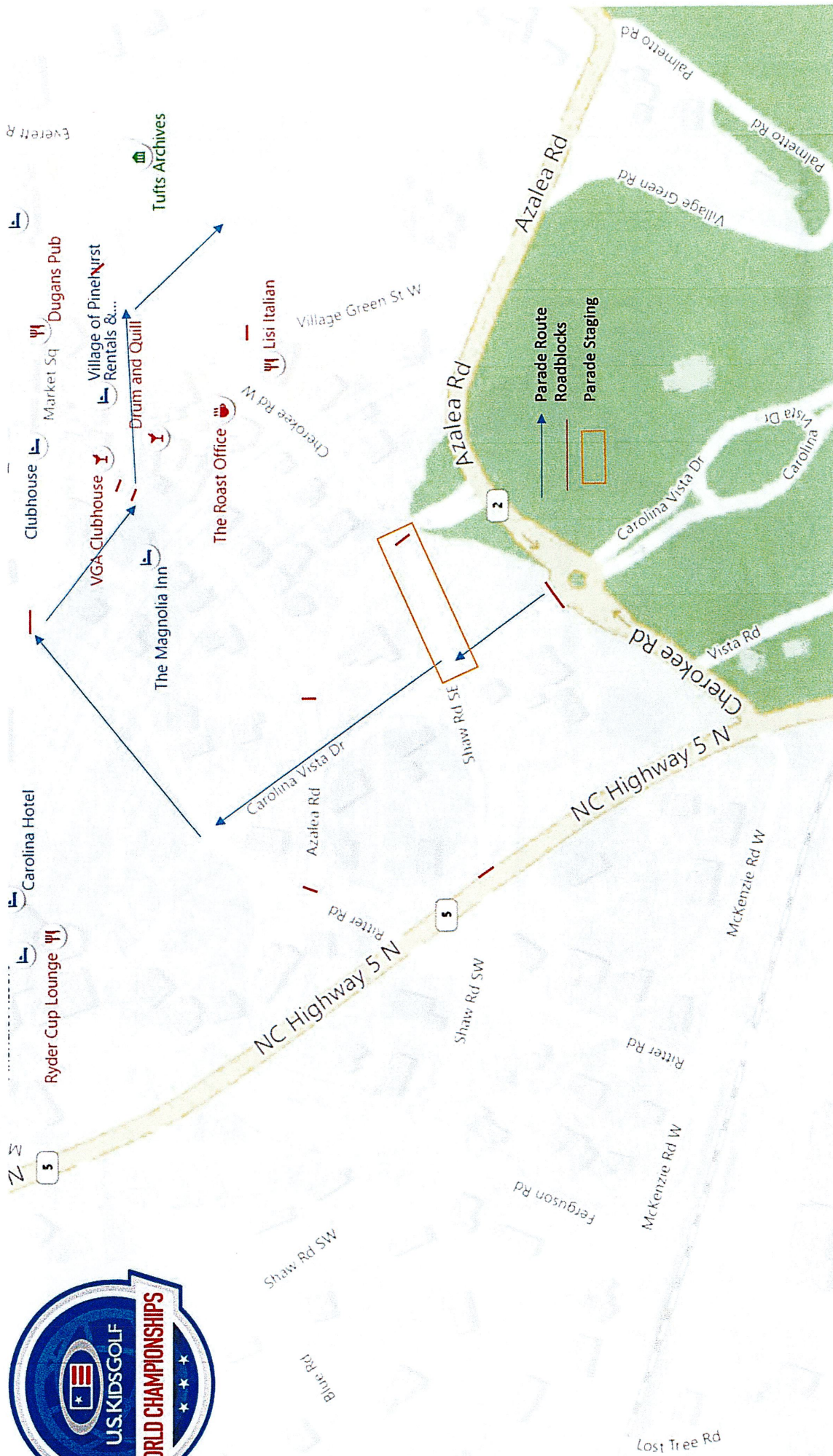
Attest:

Approved as to Form:

Shannon Konstantinou, Village Clerk

Michael J. Newman, Village Attorney

DRAFT





Library Design Progress Update from Oakley Collier Architects

ADDITIONAL AGENDA DETAILS:

FROM: Doug Willardson, Assistant Village Manager
CC: Village Council;
DATE OF MEMO: 07/16/2024

MEMO DETAILS

Representatives from Oakley Collier Architects will be joining us remotely for an update on the progress of the new library designs. Attached are the most recent designs. Staff has met with the architects throughout the process to provide feedback and guidance on the designs.

ATTACHMENTS

1. 22038 Pinehurst_Given Memorial Library - DD PROGRESS PRINT_COMBINED SET_2024.07.01

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NEW CONSTRUCTION FOR GIVEN MEMORIAL LIBRARY

MAGNOLIA ROAD PINEHURST, NC



ABBREVIATIONS

@ AT ACC ACCENT COLOR ACOUS ACOUSTIC ACT ACOUSTICAL CEILING TILE ACW ACOUSTICAL WALL PANELS AD AREA DRAIN ADJ ADJUSTABLE AE APPROVED EQUAL AFF ABOVE FINISH FLOOR AFL ATHLETIC FLOORING AHU AIR HANDLING UNIT ALUM ALUMINUM ANOD ANODIZED ANSI AMERICAN NATIONAL STANDARDS INSTITUTE ATTEN ATTENUATION AWP ACRYLIC WALL PANELS BBT BIOBASED TILE BF BLOCK FILL BFC BROOMED FINISHED CONCRETE BL BLINDS BLDG BUILDING BLKG BLOCKING BOT BOTTOM BPG BULLET PROOF GLASS CB CATCH BASIN CEM CEMENTIOUS SIDING CF CORK FLOORING CFT CERAMIC FLOOR TILE CG CURVED CEILING GRID CI CAST IRON CIB CURB INLET CJ CONTROL JOINT CL CENTERLINE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT CO CLEAN OUT COL COLUMN CONC CONCRETE CONSTR CONSTRUCTION CONTR CONTRACTOR CORR CORRUGATED CPT CARPET CPTT CARPET TILE CRC COLD ROLLED CHANNEL CRF CORK RUBBER FLOORING CS COUNTERSINK CSCJ CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED CTB CERAMIC TILE BASE CW CURTAINWALL CWT CERAMIC WALL TILE DFF DRY FOG PAINT DIA DIAMETER DISP DISPENSER DN DOWN DP DEEP DR DOOR DS DOWNSPOUT DTL DETAIL EDG EDGE BANDING EES EMERGENCY EYE WASH AND SHOWER EFC EPOXY FLOOR COATING EIFS EXTERIOR INSULATION FINISH SYSTEM EIP EXISTING IRON PIPE EJ EXPANSION JOINT	ELEV ELEVATION EN ENAMEL EPT HIGH PERFORMANCE EPOXY PAINT EQ EQUAL ES EXPOSED STRUCTURE EST EXISTING EXP EXPOSED CEILING EXT EXTERIOR EW EACH WAY EWC ELECTRIC WATER COOLER FC FIRECODE FD FLOOR DRAIN FE FIRE EXTINGUISHER FSF SURFACE MOUNTED FEC FIRE EXTINGUISHER SEMI-RECESSED FF FINISH FLOOR FH FIRE HYDRANT FLU FLOURESCENT FOP FACE OF FRAME FOM FACE OF MASONRY FT FLOOR TILE FTG FOOTING FV FLOOD VENT GA GAGE GALV GALVANIZED GC GENERAL CONTRACTOR GCT GRANITE COUNTERTOP GEN GENERATOR GFT GRANITE FLOOR TILE GL GLASS GMT GLASS MOSAIC TILE GT GROUT GWB GYPSUM WALL BOARD GYP GYPSUM BOARD H8 HOSE BIB HC HOLLOW CORE HCC HANDICAP HDWD HARDWOOD HM HOLLOW METAL HORZ HORIZONTAL HR HOUR ID INSIDE DIAMETER IMP INSULATED METAL PANEL INSTAL INSTALLATION INSUL INSULATION INT INTERIOR INV INVERT JB JOIST BEARING JBH JOINT BOX JT JOINT L LONG LFT LINOLEUM FLOOR TILE LP LIGHT POLE LST LINOLEUM SHEET FLOORING LVS LEAVES (DOOR) LVT LUXURY VINYL TILE MATL MATERIAL MAX MAXIMUM MB MASONRY - BRICK MBL MARBLE MC METAL CANOPY MCT METAL CEILING TILE MECH MECHANICAL MFR MANUFACTURER MFT MARBLE FLOOR TILE MIN MINIMUM MO MASONRY OPENING MTB MARBLE TILE BASE MTD MOUNTED	MTL METAL MWM METAL WALK-OFF MAT MWT MARBLE WALL TILE N/A NOT APPLICABLE NC NOT IN CONTRACT NOM NORMAL OC ON CENTER OD OUTSIDE DIAMETER OFI OWNER FURNISHED, CONTRACTOR INSTALLED OFIO OWNER FURNISHED, OWNER INSTALLED OPP OPPOSITE OSC OVERFLOW SCUPPER OZ OUNCE P PAINT PC POLISHED CONCRETE PERF PERFORATED PFT PORCELAIN FLOOR TILE PIV PIV POST INDICATOR VALVE PL PLATE P-LAM PLASTIC LAMINATE P-LAM W/D PLASTIC LAMINATE PLYWOOD PNT PAINT POLYETH POLYETHYLENE PP POWER POLE PR PAIR PTB PORCELAIN TILE BASE PTD PAINTED PTP PLASTIC TOILET PARTITIONS PWT PORCELAIN WALL TILE PVC POLYVINYL CHLORIDE QS QUARTZ SURFACE QT QUARRY TILE QZT QUARTZ TILE R RADIUS R&S ROD AND SHELF RB RESILIENT BASE RBT RUBBER TILE RCP REINFORCED CONCRETE RD ROOF DRAIN RDL ROOF DRAIN LEADER RECEPT RECEPTACLE RECYF RECYCLED FLOORING REQD REQUIRED RES RESILIENT RM RUBBER MAT RO ROUGH OPENING ROW RIGHT OF WAY RSF RESINOUS FLOORING RTF RESILIENT TILE FLOORING SAT SPRAYED ACOUSTICAL TREATMENT SC SEALED CONCRETE SCH SCHEDULE SCW SOLID CORE WOOD SDT STATIC DISSIPATIVE TILE SF STOREFRONT SHEATH SHEATHING SIM SIMILAR SQ SQUARE SQFT SQUARE FEET SRT SLIP RESISTANT TILE SS STAINLESS STEEL SSC STAINED SEALED CONCRETE
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SYMBOL LEGEND

DRAWING NO.	1	A101	View Name	1/8" = 1'-0"	SCALE
SHEET NO.	2	A2-03	BUILDING SECTION MARK		
SHEET NO.	2	A2-03	WALL SECTION MARK		
DETAIL NO.	2	A2-03	CALLOUT DETAIL		
SHEET NO.	2	A2-03	EXTERIOR ELEVATION MARK		
DETAIL NO.	2	A2-03	INTERIOR ELEVATION MARK		
SHEET NO.	15'-4"	AFF	CONTROL / ELEVATION MARK		
ELEVATION VALUE	DOOR MARK				
REFERENCE DESCRIPTION	WINDOW MARK				
	CASEWORK MARK				
	WALL MARK				
	ACCESSORIES MARK				
	DEMO MARK				
	REVISION AREA / NUMBER				
ROOM NAME	Room name	101A	ROOM MARK		
ROOM NO.		CR	CARD READER		

SHEET NAMING LEGEND

SECTION	DISCIPLINE	PAGE NUMBER
0 GENERAL 1 PLANS 2 EXTERIOR ELEVATIONS 3 BUILDING / WALL SECTIONS 4 VERTICAL CIRCULATION 5 DETAILS 6 WINDOW & DOOR SCHEDULES 7 INTERIOR ELEV / CASEWORK	G COVER G CODE SUMMARY G LIFE SAFETY CE CIVIL L LANDSCAPE S STRUCTURAL D DEMOLITION A ARCHITECTURAL EQUIPMENT Q FIRE PROTECTION FP PLUMBING M MECHANICAL E ELECTRICAL FA FIRE ALARM X MISCELLANEOUS	A1.01

APPLICABLE TO ARCHITECTURAL SHEETS ONLY

CONSULTANTS

CIVIL ENGINEER: STOCKS ENGINEERING 801 EAST WASHINGTON STREET, PO BOX 1108 NASHVILLE, NC 27856 PHONE: 252-459-8196	STRUCTURAL ENGINEER: STEWART 223 S. WEST STREET, SUITE 1100 RALEIGH, NC 27603 PHONE: 919-380-8750	PLUMBING, MECHANICAL, & ELECTRICAL ENGINEER: ATLANTEC ENGINEERS, PA 3221 BLUE RIDGE ROAD, SUITE 113 RALEIGH, NC 27612 PHONE: 919-571-1111
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INDEX OF DRAWINGS

A1.0 SITE PLAN A3.2 WALL SECTIONS PR2 SITE PLAN PR5 Unnamed PR6 AREA PLAN	01 GENERAL G0.1 COVERSHEET G0.2 BUILDING CODE SUMMARY G1.1 LIFE SAFETY	02 CIVIL CE0.1 CIVIL PLACEHOLDER	03 LANDSCAPE L0.1 LANDSCAPE PLACEHOLDER	04 STRUCTURAL S0.1 STRUCTURAL PLACEHOLDER	05 ARCHITECTURAL D1.0 OVERALL EXISTING PLAN D1.1 DEMOLITION - FIRST FLOOR PLAN D1.3 DEMOLITION - REFLECTED CEILING PLAN D1.5 DEMOLITION - ELEVATIONS A1.1 FLOOR PLAN A1.3 ROOF PLAN A1.5 REFLECTED CEILING PLAN - FIRST FLOOR A1.7 FINISH PLAN - FIRST FLOOR A1.9 ENLARGED PLANS A2.0 BUILDING ELEVATIONS A2.1 BUILDING ELEVATIONS A3.1 BUILDING SECTIONS A5.1 DETAILS A6.1 DOOR SCHEDULE A6.2 WINDOW SCHEDULE A7.1 CASEWORK ELEVATIONS Q1.0 EQUIPMENT PLAN PR3 BUILDING ELEVATIONS PR4 BUILDING ELEVATIONS	06 FIRE PROTECTION FP0.1 FIRE PROTECTION PLACEHOLDER	07 PLUMBING P0.1 PLUMBING PLACEHOLDER	08 MECHANICAL M0.1 MECHANICAL PLACEHOLDER	09 ELECTRICAL E0.1 ELECTRICAL PLACEHOLDER 10 FIRE ALARM FA0.1 FIRE ALARM PLACEHOLDER
ALTERNATES									G-1 :-ENTER INFO- G-2 :-ENTER INFO- G-3 :-ENTER INFO-

2018 APPENDIX B BUILDING CODE SUMMARY

Name of Project: GIVEN MEMORIAL LIBRARY

Address: MAGNOLIA DRIVE, PINEHURST, NC

Owner/Authorized Agent: DOUG WILLARDSON

Phone # 910-295-1900

E-Mail DWILLARDSON@VOPNC.ORG

Owned By: ☒ City/County ☐ Private ☐ State

Code Enforcement Jurisdiction: ☒ City PINEHURST ☐ County

Zip Code 28374

CONTACT: JASON GABLE, AIA - OAKLEY COLLIER ARCHITECTS | JGABLE@OAKLEYCOLLIER.COM, 919.696.9591 m.

DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE#	E-MAIL
Architectural	OAKLEY COLLIER ARCHITECTS	TIM OAKLEY	5967	252-937-2500	TOAKLEY@OAKLEYCOLLIER.COM
Civil	STOCKS ENGINEERING	J. MICHAEL STOCKS	19843	252-459-8196	MSTOCKS@STOCKSENGINEERING.COM
Electrical	ATLANTEC ENGINEERING	DAVID WHITNEY	17382	919-855-2030	DAVID@ATLANTECENGINEERS.COM
Fire Alarm	ATLANTEC ENGINEERING	DAVID WHITNEY	17382	919-855-2030	DAVID@ATLANTECENGINEERS.COM
Plumbing	ATLANTEC ENGINEERING	HARRISON HOLT	49754	919-855-2032	HARRISON@ATLANTECENGINEERS.COM
Mechanical	ATLANTEC ENGINEERING	PATRICK MCCABE	51195	919-855-2024	PATRICK@ATLANTECENGINEERS.COM
Sprinkler-Standpipe					
Structural	STEWART ENGINEERING	BRYAN COVINGTON	45141	919-866-4754	BCOVINGTON@STEWARTINC.COM
Retaining Walls >5' High					
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ☒ New Building ☐ Addition ☐ Renovation

☐ 1st Time Interior Completion

☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

☐ Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: Existing ☐ Prescriptive ☐ Repair ☐ Chapter 14

Alteration ☐ Level I ☐ Level II ☐ Level III

☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) N/A

CURRENT OCCUPANCY(S) (Ch.3): N/A

RENOVATED: (date) N/A

PROPOSED OCCUPANCY(S) (Ch.3): A3

Risk Category (Table 1604.5): Current: ☐ I ☒ II ☐ III ☐ IV

Proposed: ☐ I ☒ II ☐ III ☐ IV

BASIC BUILDING DATA

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A

☐ I-B ☒ II-B ☐ III-B ☐ V-B

Sprinklers: ☐ No ☐ Partial ☒ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D

Standpipes: ☒ No ☐ Yes ☐ Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry

Fire District: ☒ No ☐ Yes ☐ Flood Hazard Area: ☒ No ☐ Yes

Special Inspections Required: ☒ No ☐ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

GROSS BUILDING AREA TABLE			
FLOOR	EXISTING (SQ FT)	ADDITION (SQ FT)	SUB-TOTAL
6th Floor	N/A	N/A	N/A
5th Floor	N/A	N/A	N/A
4th Floor	N/A	N/A	N/A
3rd Floor	N/A	N/A	N/A
2nd Floor	N/A	N/A	N/A
1st Floor	9,303	N/A	9,303
Basement	N/A	N/A	N/A
TOTAL	9,303	N/A	9,303

ALLOWABLE AREA

Primary Occupancy Classification(s):

Assembly ☐ A-1 ☐ A-2 ☒ A-3 ☐ A-4 ☐ A-5

Business ☐

Educational ☐

Factory ☐ F-1 Moderate ☐ F-2 Low

Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM

Institutional ☐ I-1 Condition ☐ I ☐ 2

☐ I-2 Condition ☐ I ☐ 2

☐ I-3 Condition ☐ I ☐ 2 ☐ 3 ☐ 4 ☐ 5

☐ I-4

Mercantile ☐

Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4

Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled

☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage

Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): N/A

Incidental Uses (Table 509): N/A

Special Uses (Chapter 4 - List Code Sections): N/A

Special Provisions: (Chapter 5 - List Code Sections): N/A

Mixed Occupancy: ☒ No ☐ Yes Separation: N/A Hr. Exception: N/A

☐ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Actual Area of Occupancy A

Allowable Area of Occupancy A

Actual Area of Occupancy B

Allowable Area of Occupancy B

<1

.

+

.

+

.....

=

.

<1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2.4 AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,2}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
1	A3	9,303	38,000	N/A	38,000
2					
3					
4					
5					
6					

1. Frontage area increases from Section 506.3 are computed thus:
- a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
- b. Total Building Perimeter = N/A (P).
- c. Ratio (F/P) = N/A (F/P)
- d. W = Minimum width of public way = N/A (W)
- e. Percent of frontage increase $I_f = 100(F/P - 0.25) \times W/30 =$ N/A (%).
2. Unlimited area applicable under conditions of Section 507.
3. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4. The maximum area of open parking garages must comply with Table 406.5.4.
5. Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT			
	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) 2	75	<40	N/A
Building Height in Stories (Table 504.4) 3	3	1	N/A

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
2. The maximum height of air traffic towers must comply with Table 412.3.1.
3. The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS							
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (W/ REDUCTION)	DETAIL# AND SHEET#	DESIGN# FOR RATED ASSEMBLY	SHEET# FOR RATED PENETRATION	SHEET# FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	>30	0	0	N/A	N/A	N/A	N/A
Bearing Walls							
Exterior							
North	N/A	N/A	N/A	N/A	N/A	N/A	N/A
East	N/A	N/A	N/A	N/A	N/A	N/A	N/A
West	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Interior	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nonbearing Walls and Partitions							
Exterior walls							
North	>30	0	0	N/A	N/A	N/A	N/A
East	>30	0	0	N/A	N/A	N/A	N/A
West	>30	0	0	N/A	N/A	N/A	N/A
South	>30	0	0	N/A	N/A	N/A	N/A
Interior walls and partitions	N/A	0	0	N/A	N/A	N/A	N/A
Floor Construction Including supporting beams and joists							
	0	0	0	N/A	N/A	N/A	N/A
Floor Ceiling Assembly	0	0	0	N/A	N/A	N/A	N/A
Columns Supporting Floors	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roof Construction, including supporting beams and joists							
	0	0	0	N/A	N/A	N/A	N/A
Roof Ceiling Assembly	0	0	0	N/A	N/A	N/A	N/A
Columns Supporting Roof	0	0	0	N/A	N/A	N/A	N/A
Shaft Enclosures - Exit	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Other							
	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Corridor Separation	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Occupancy/Fire Barrier Separation	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Party/Fire Wall Separation	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Smoke Barrier Separation	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Smoke Partition	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tenant/Dwelling Unit/Sleeping Unit Separation	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS			
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30 OR GREATER	UP, NS	NO LIMIT	N/A
-	-	-	-
-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes

Exit Signs: ☐ No ☒ Yes

Fire Alarm: ☐ No ☒ Yes

Smoke Detection Systems: ☐ No ☐ Yes ☒ Partial

Carbon Monoxide Detection: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

- Life Safety Plan Sheet #: LS1
- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan)
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☐ Exit access travel distances (1017)
- ☐ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- ☐ Dead end lengths (1020.4)
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☒ Location of doors with panic hardware (1010.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1030)
- ☐ The square footage of each fire area (202)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS							
(SECTION 1107)							
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ACCESSIBLE PARKING						
(SECTION 1106)						
LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	
-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

PLUMBING FIXTURE REQUIREMENTS									
(TABLE 2802.1)									
USE SPACE	EXISTG	WATER CLOSERS		URINALS		LAVATORIES		SHOWERS	
		MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX	TUBS	DRINKING FOUNTAINS
NEW	3	4	N/A	1	3	5	N/A	N/A	1
REQ'D	4	4	N/A	N/A	3	3	N/A	N/A	0

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attributes required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ☐ No ☐ Yes (Provide code or statutory reference)

Climate Zone: ☐ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive

ASHRAE 90.1 ☐ Performance ☐ Prescriptive

(If "Other" specify here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)

Description of assembly: N/A

U-Value of total assembly: N/A

R-Value of insulation: N/A

Skylights in each assembly:

U-Value of skylight: N/A

Total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)

Description of assembly: N/A

U-Value of total assembly: N/A

R-Value of insulation: N/A

Openings (windows or doors with glazing)

U-Value of assembly: N/A

Solar heat gain coefficient: -

Projection factor: N/A

Door R-Values: N/A

Walls below grade (each assembly)

Description of assembly: N/A

U-Value of total assembly: N/A

R-Value of total assembly: N/A

Floors over unconditioned space (each assembly)

Description of assembly: N/A

U-Value of total assembly: N/A

R-Value of total assembly: N/A

Floors slab on grade

Description of assembly: N/A

U-Value of total assembly: N/A

R-Value of insulation: N/A

Horizontal/vertical requirement: N/A

Slab heated: N/A

STRUCTURAL DESIGN

DESIGN LOADS:

Importance Factors: Snow (I_s) N/A

Seismic (I_e) N/A

Live Loads: Roof N/A psf

Mezzanine N/A psf

Floor N/A psf

Ground Snow Load: N/A psf

Wind Load: Ultimate Wind Speed N/A mph (ASCE-7)

Exposure Category

SEISMIC DESIGN CATEGORY:

Provide the following Seismic Design Parameters:

Risk Category (Table 1604.5): ☐ I ☐ II ☐ III ☐ IV

Spectral Response Acceleration S_s N/A %g S₁ N/A %g

Site Classification (ASCE 7): ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F

Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data

Structural system: ☐ Bearing Wall ☐ Dual w/Special Moment Frame

☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel

☐ Moment Frame ☐ Inverted Pendulum

Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic

Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: ☐ Earthquake ☐ Wind

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) N/A psf

Presumptive Bearing capacity N/A psf

Pile size, type, and capacity N/A

MECHANICAL DESIGN

*SEE SHEET M2.1

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone

winter dry bulb: -

summer dry bulb: -

Interior design conditions

winter dry bulb: -

summer dry bulb: -

relative humidity: -

Building heating load: -

Building cooling load: -

Mechanical Spacing Conditioning System

Unitary

description of unit: -

heating efficiency: -

cooling efficiency: -

size of equipment unit: -

Boiler

Size category, if oversized, state reason: -

Chiller

Size category, if oversized, state reason: -

List equipment efficiencies: -

ELECTRICAL DESIGN

*SEE SHEET E3.1

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code: ☐ Prescriptive ☐ Performance

ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)

lamp type required in fixture

number of lamps in fixture

ballast type used in the fixture

number of ballasts in fixture

total wattage per fixture

total interior wattage specified (entire building or space by space)

total exterior wattage specified (entire building or space by space)

Additional Efficiency Package Options

(When using the 2018 NC EEC not required for ASHRAE 90.1)

☐ 406.3 More Efficient HVAC Equipment Performance

☐ 406.5 Reduced Lighting Power Density

☐ 406.6 Enhanced Digital Lighting Controls

☐ 406.5 On-Site Renewable Energy

☐ 406.6 Dedicated Outdoor Air System

☐ 406.7 Reduced Energy Use in Service Water Heating

NEW CONSTRUCTION FOR

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MAGNOLIA DRIVE, PINEHURST, NC

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06/28/2024

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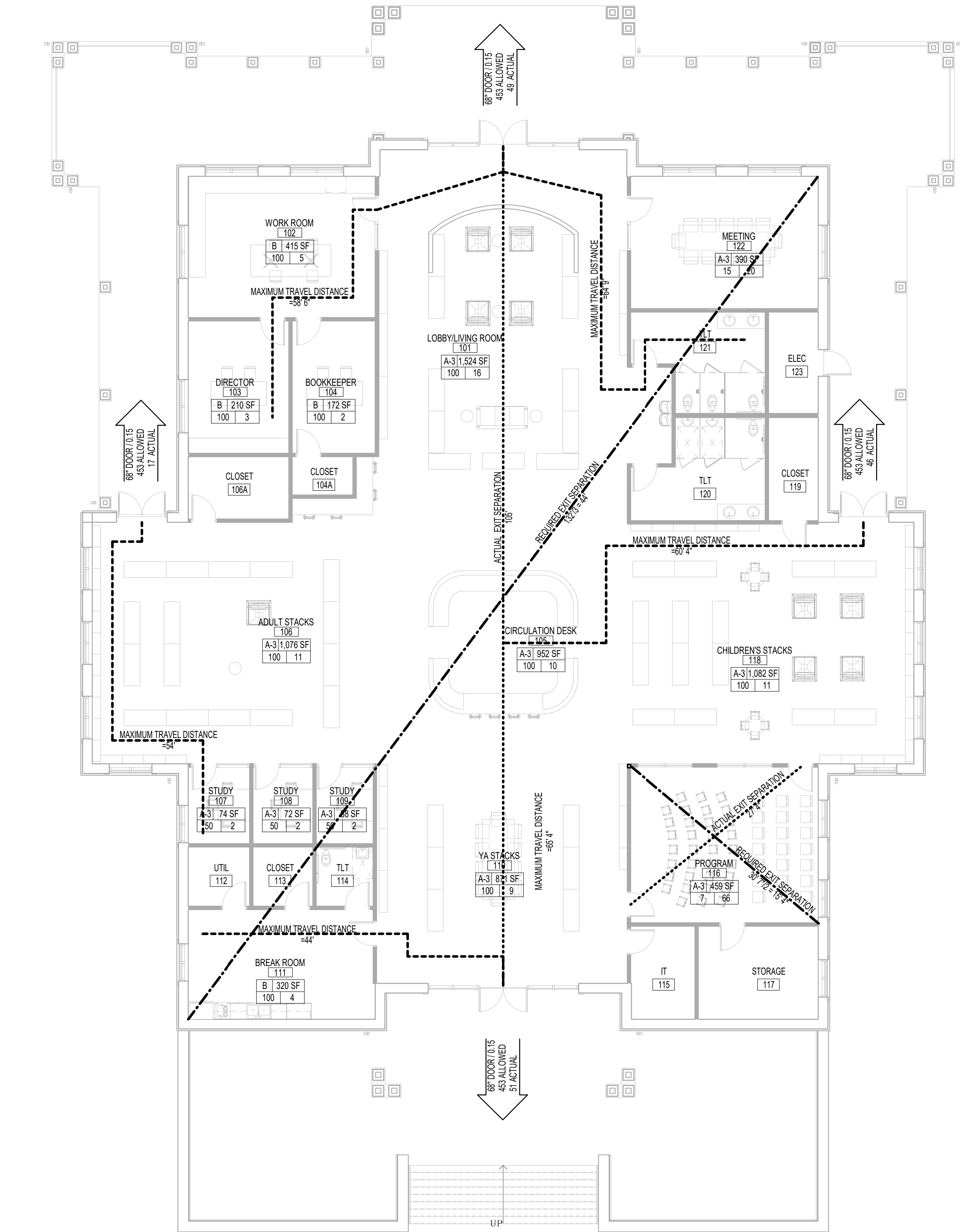
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BUILDING CODE SUMMARY

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1 LIFE SAFETY PLAN
G1.1 1/8" = 1'-0"

EGRESS DESIGN OCCUPANT LOAD

SPACE	SF / AREA PER OCCUPANT (PER TABLE 1004.1.2)	LOAD
BUSINESS	22,983 SF / 100 GROSS	229
ASSEMBLY; A3	13,410 SF / 15 NET	885
STORAGE	3,288 SF / 300 GROSS	11
LAB	12,894 SF / 50 NET	254
CLASSROOM	6,861 SF / 20 NET	340
TOTAL	59,436 SF GROSS	1,719

LIFE SAFETY LEGEND

- OCCUPANCY
- SQUARE FEET OF ROOM
OCCUPANT LOAD
OCCUPANT LOAD FACTOR
- EGRESS WIDTH
EGRESS CAPACITY FACTOR
EGRESS CAPACITY ALLOWED
ANTICIPATED EGRESS LOAD
- EXIT SEPARATION DISTANCE - REQUIRED
EXIT SEPARATION DISTANCE - PROVIDED
MAXIMUM TRAVEL DISTANCE
COMMON PATH OF TRAVEL
- FEC FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
FE FIRE EXTINGUISHER - SURFACE MOUNTED
(H) HANDICAP DOOR OPERATOR WALL MOUNTED SWITCH
(P) PANIC HARDWARE
(DE) # DELAYED EGRESS PANIC HARDWARE
NUMBER INDICATES LENGTH OF DELAY IN SECONDS
(S) EXIT SIGN (SEE NOTE 1)
(S) EXIT SIGN/EMERGENCY LIGHT (SEE NOTE 1)
(H) EMERGENCY LIGHT (SEE NOTE 1)
(H) HORN TYPE AUDIO/VISUAL APPLIANCE (SEE NOTE 1)
(F) FIRE ALARM PULL STATION (SEE NOTE 1)

NOTES:
1. SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.

DOOR CLEARANCE LEGEND

FRONT APPROACH - PULL SIDE	FRONT APPROACH - PUSH SIDE
HINGE APPROACH - PULL SIDE	HINGE APPROACH - PUSH SIDE
HINGE APPROACH - PULL SIDE	HINGE APPROACH - PUSH SIDE
HINGE APPROACH - PUSH SIDE	LATCH APPROACH - PULL SIDE
LATCH APPROACH - PULL SIDE	LATCH APPROACH - PUSH SIDE

NEW CONSTRUCTION FOR:

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VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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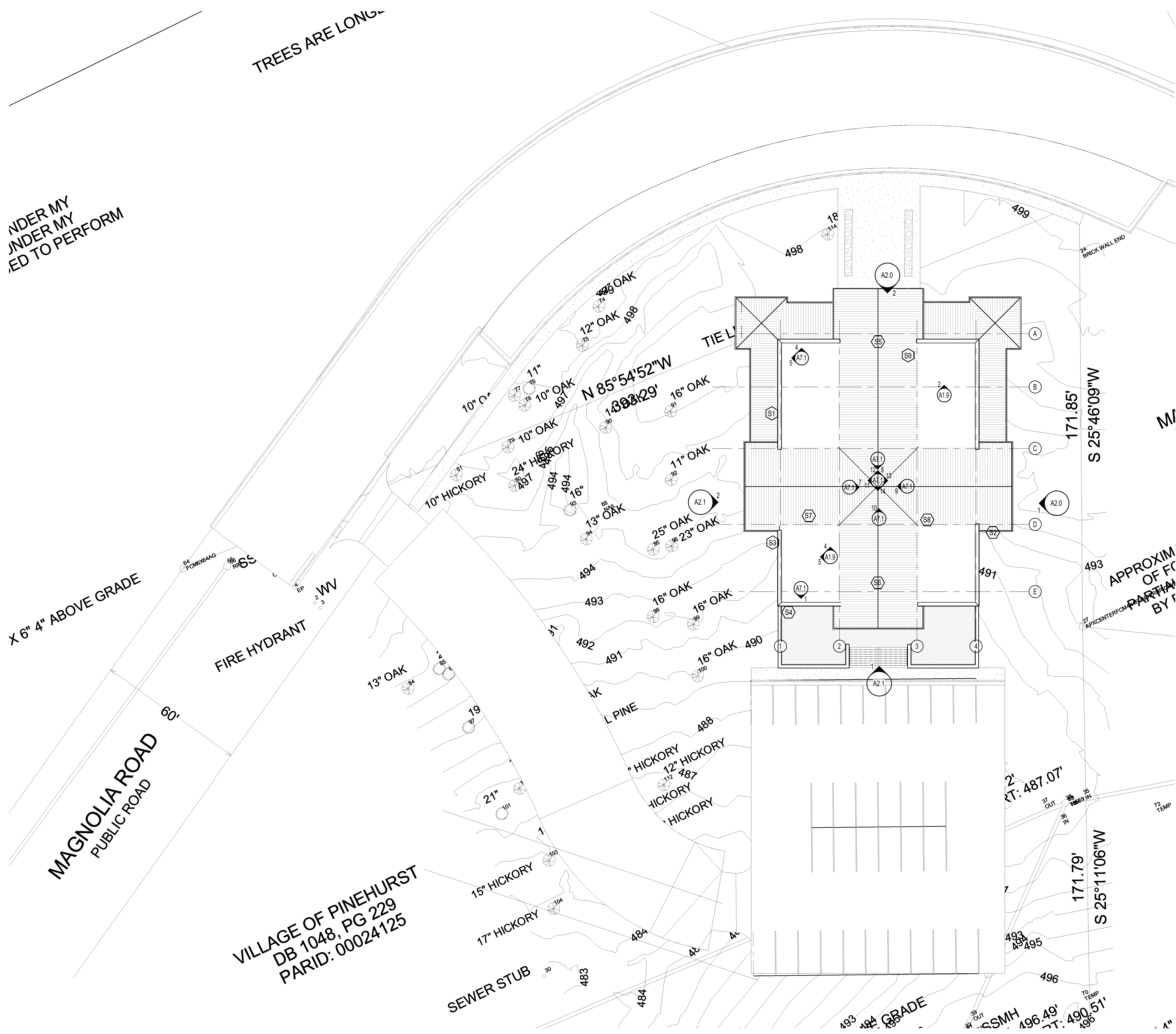
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Sheet Title	LIFE SAFETY	

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A1.0

SITE PLAN

1" = 20'-0"



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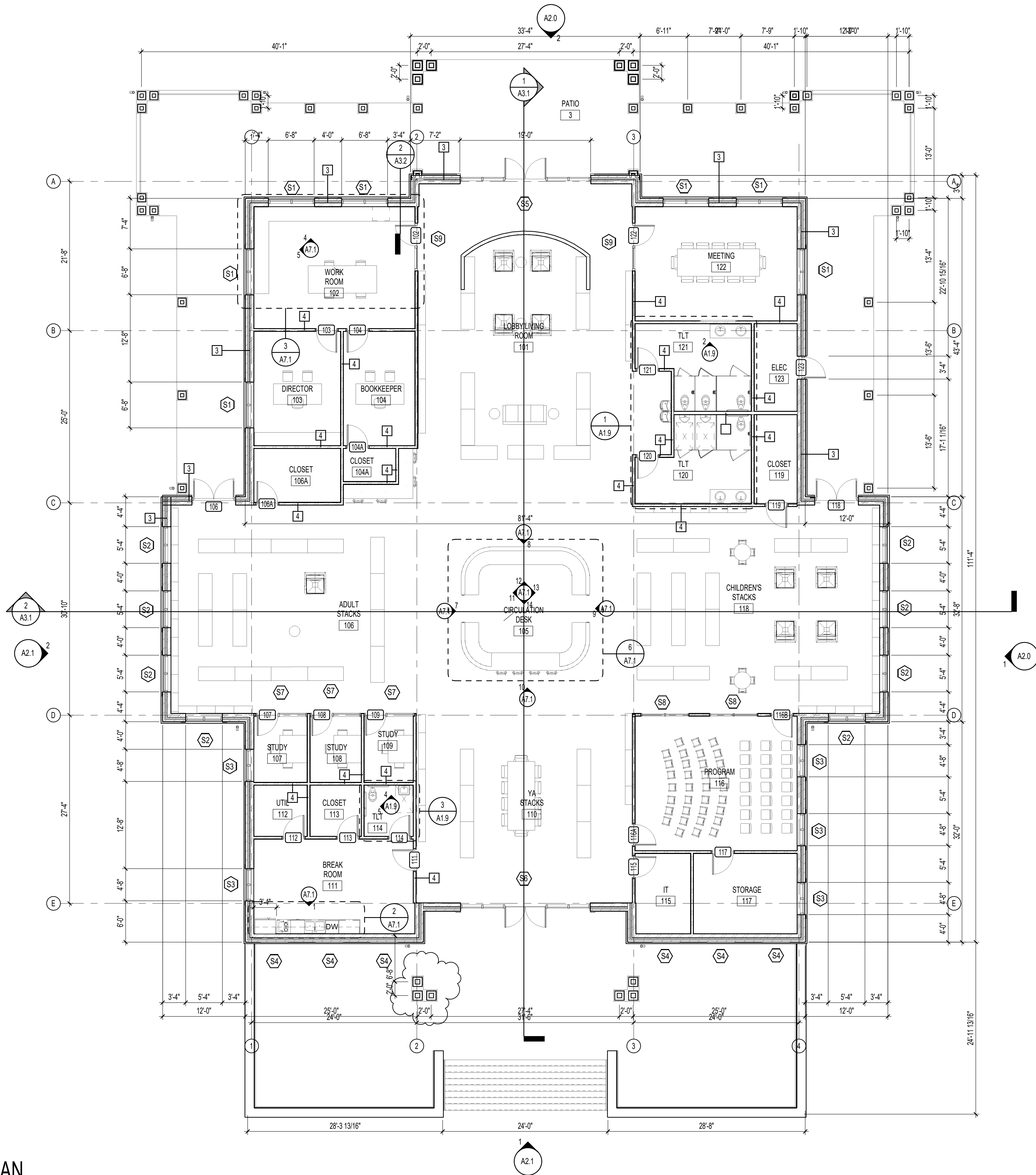
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SITE PLAN		

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305 W. Martin Street, Raleigh, NC 27601

1
A1.1

FLOOR PLAN

1/8" = 1'-0"



WALL LEGEND

INTERIOR STUD WALL - 3 5/8"			EXTERIOR BRICK VENEER STUD WALL		
MARK	PLAN VIEW	REMARKS	MARK	PLAN VIEW	REMARKS
?		TOP OF WALL = TIGHT TO DECK	?		TOP OF WALL = SEE WALL SECTIONS

	3 5/8"	5/8" GYPSUM BOARD FULL HEIGHT EACH SIDE SOUND BATT INSULATION FULL HEIGHT 3 5/8" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.
	1'-0" 7 3/4" 3 5/8"	R-19 FIBERGLASS BATT INSULATION BRICK VENEER 2" RIGID INSULATION FLUID APPLIED AIR BARRIER STEEL STUDS, SEE STRUCTURAL 5/8" GYPSUM BOARD FULL HEIGHT ADJUSTABLE ANCHORS AT 16" O.C. VERTICAL 32" O.C. HORIZONTAL 1/2" GLASS MAT SHEATHING FULL HEIGHT

GENERAL FLOOR PLAN NOTES

- DIMENSIONS ON THIS PLAN ARE FROM: FACE OF BRICK TO INTERIOR FACE OF EXTERIOR WALL. CENTERLINE TO CENTERLINE OF INTERIOR WALLS.
- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
- ALL DRYWALL SHALL BE 5/8" AND SHALL EXTEND 4" MINIMUM ABOVE FINISH CEILING (U.N.O.).
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUD FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 4" WIDE AROUND CEILING PERIMETER OF ALL ROOMS WITH SOUND BATT IN WALLS.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
- OBTAIN ALL PERMITS REQUIRED.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- REFER TO STRUCTURAL PLANS FOR ALL STRUCTURAL HEADERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.

NEW CONSTRUCTION FOR:

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1	Revision 1	Date 1

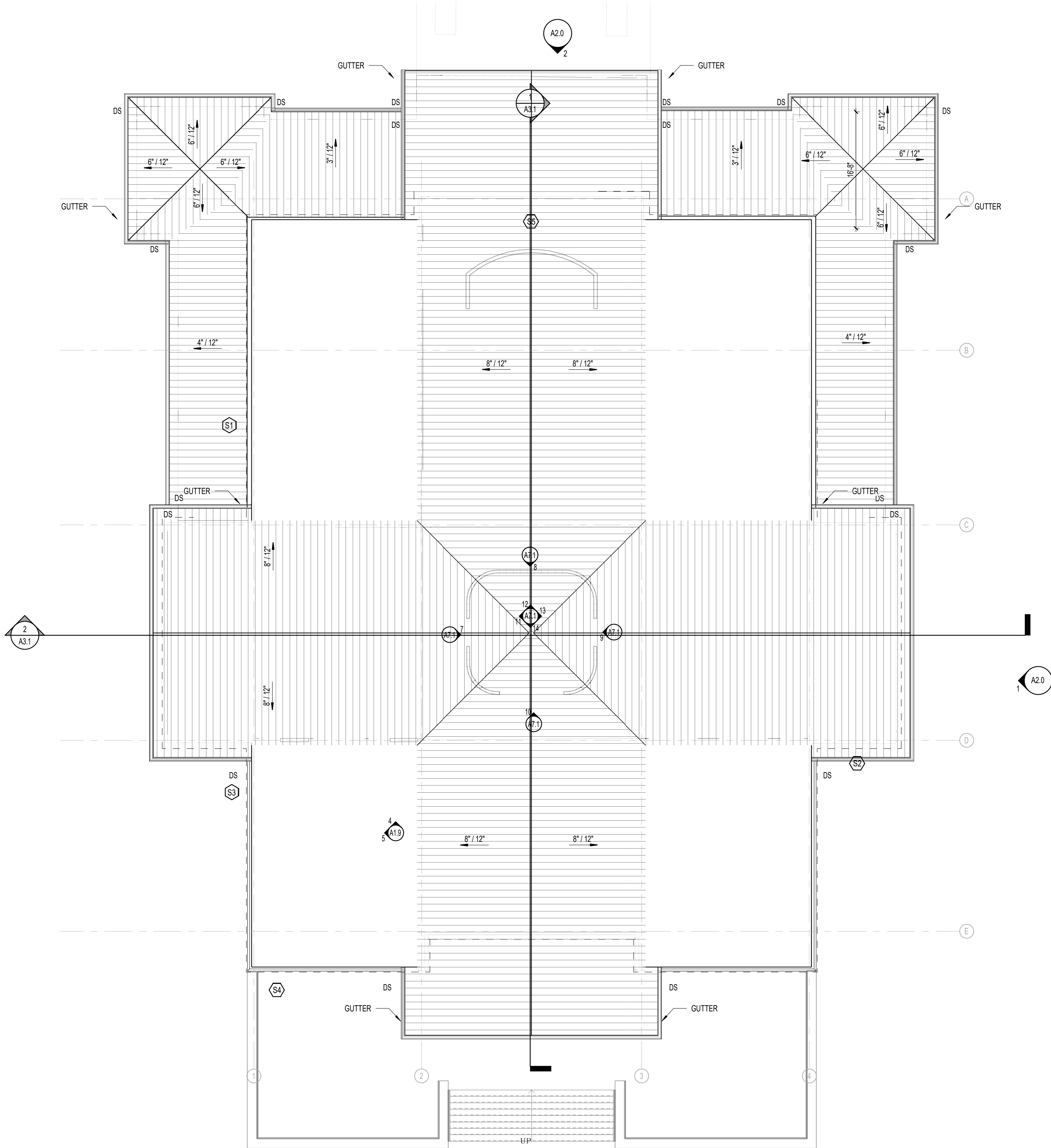
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A1.3

ROOF PLAN

1/8" = 1'-0"



ROOF LEGEND

- INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THRU STRUCTURE AND TAPERED INSULATION
- INDICATES THICKNESS OF TAPERED INSULATION ABOVE PRIMARY ROOF INSULATION AND UNDERLAYMENT BOARD IF REQUIRED - REFER TO WALL SECTIONS AND STRUCTURAL FOR ACTUAL ELEVATIONS
- RD PRIMARY ROOF DRAIN, REFER TO PLUMBING PLANS FOR DESCRIPTION, TYPICAL
- OD SECONDARY (EMERGENCY) ROOF DRAIN, REFER TO PLUMBING PLANS FOR DESCRIPTION, TYPICAL
- SC THROUGH WALL SCUPPER SECONDARY (EMERGENCY) ROOF DRAIN, TYPICAL

GENERAL ROOF NOTES

- GUTTER AND DOWNSPOUTS SHALL BE FURNISHED AND INSTALLED BY ROOFING CONTRACTOR.
- CONTRACTOR SHALL COORDINATE ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS REQUIRED AND MAKE ALL NECESSARY PROVISIONS FOR SAME.
- GUTTERS, DOWNSPOUTS AND COMPONENTS SHALL BE PREFINISHED ALUMINUM COLOR - PER ARCHITECT.
- ALL DOWNSPOUTS SHALL TURN INTO STORM DRAIN. REFER TO FLOOR PLAN MORE INFORMATION.
- ALL ROOF MOUNTED ITEMS SHALL BE PAINTED, CLEAN PREPARE AND PRIME SURFACES AS REQUIRED - COLOR PER ARCHITECT.
- FURNISH AND INSTALL 36" WIDE X LENGTH REQUIRED SELF ADHERED ICE AND WATER SHEILD ROOFING UNDERLAYMENT AT ALL EDGES, RIDGES, HIPS, AND VALLEYS.

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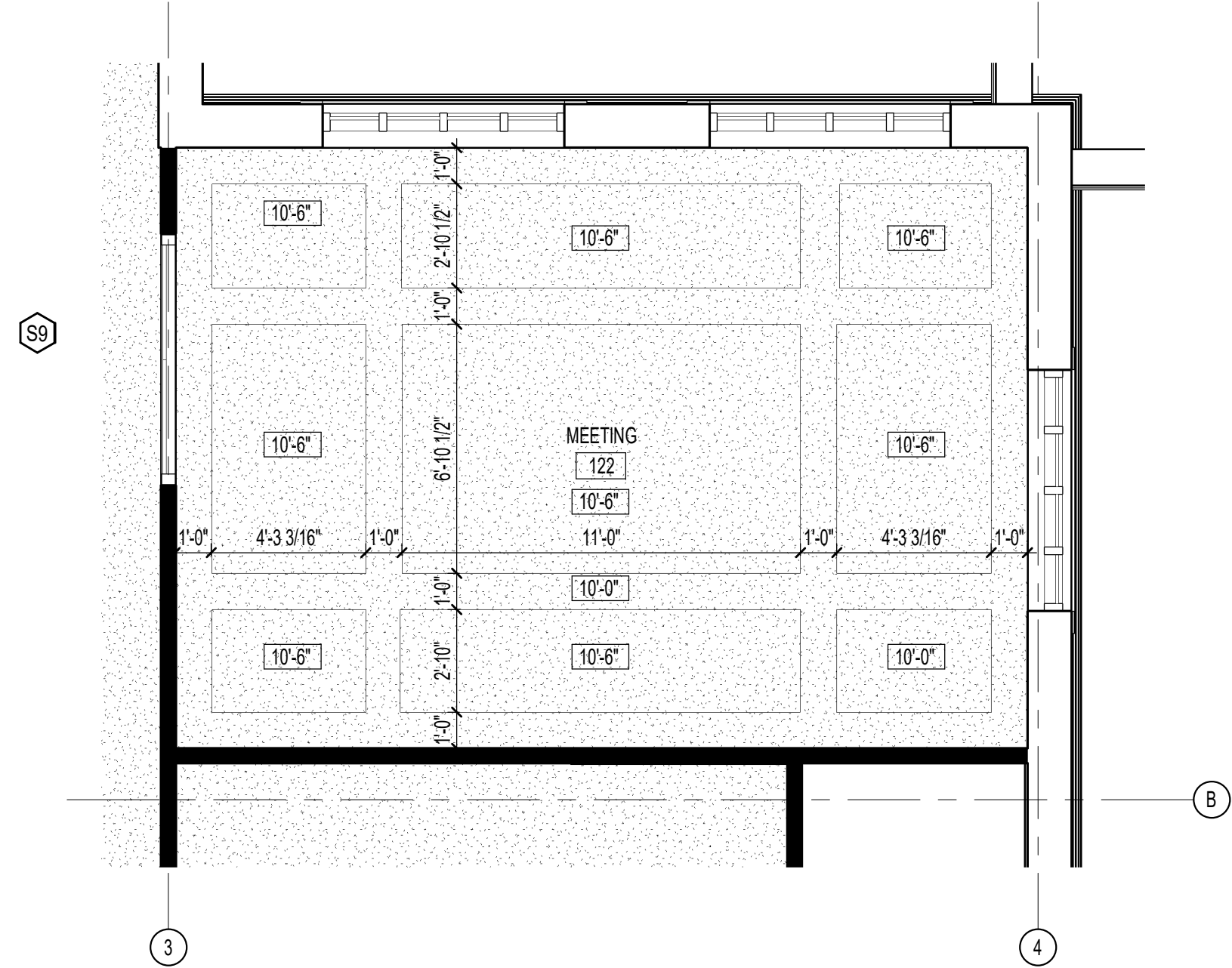
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ROOF PLAN

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1 REFLECTED CEILING PLAN
1/8" = 1'-0"



2 112 ENLARGED RCP
1/4" = 1'-0"

LEGEND

- 2X2 LAY-IN CEILING SYSTEM
- 2X2 LAY-IN CEILING SYSTEM (VINYL COATED) TYP IN WET LOCATIONS
- 5/8" GYPSUM BOARD
- EXISTING CEILING TO REMAIN, MINOR CEILING MOUNTED EQUIPMENT ADJUSTMENTS MAY BE REQUIRED.
- CEILING HEIGHT KEY
- 2 x 4 LIGHT FIXTURE
- 1 x 4 LIGHT FIXTURE
- HIGH BAY LED LIGHTING FIXTURE
- 8' BAR LIGHT FIXTURE
- HIGH BAY LED LIGHTING FIXTURE
- CAN LIGHT FIXTURE
- LED VERTICAL PENDANT FIXTURE
- WALL MOUNTED TELEVISION

CEILING NOTES

- SEE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION PLANS FOR FULL DESCRIPTION OF CEILING MOUNTED ITEMS/DEVICES
- ALL GRIDS ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE.
- REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISH PLANS FOR CEILING TYPES.
- CONTRACTOR TO REVIEW LAYOUT AND NOTIFY ARCHITECT OF ACOUSTICAL CEILING PANELS THAT ARE LESS THAN 3" IN WIDTH OR LENGTH.
- ALL NEW LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND TERMINAL DEVICES TO BE CENTERED IN CEILING PANELS, UNLESS OTHERWISE INDICATED.
- NOT ALL MEP DEVICES ARE SHOWN IN CEILING PLANS, SEE MEP DRAWINGS FOR LOCATIONS AND QUANTITIES.
- FOR PENDANT MOUNTING HEIGHT REFER TO ELEVATIONS AND REFLECTED CEILING PLAN LEGEND

CEILING KEYNOTES

- CEILING KEYNOTES GO HERE.

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REFLECTED CEILING PLAN
- FIRST FLOOR

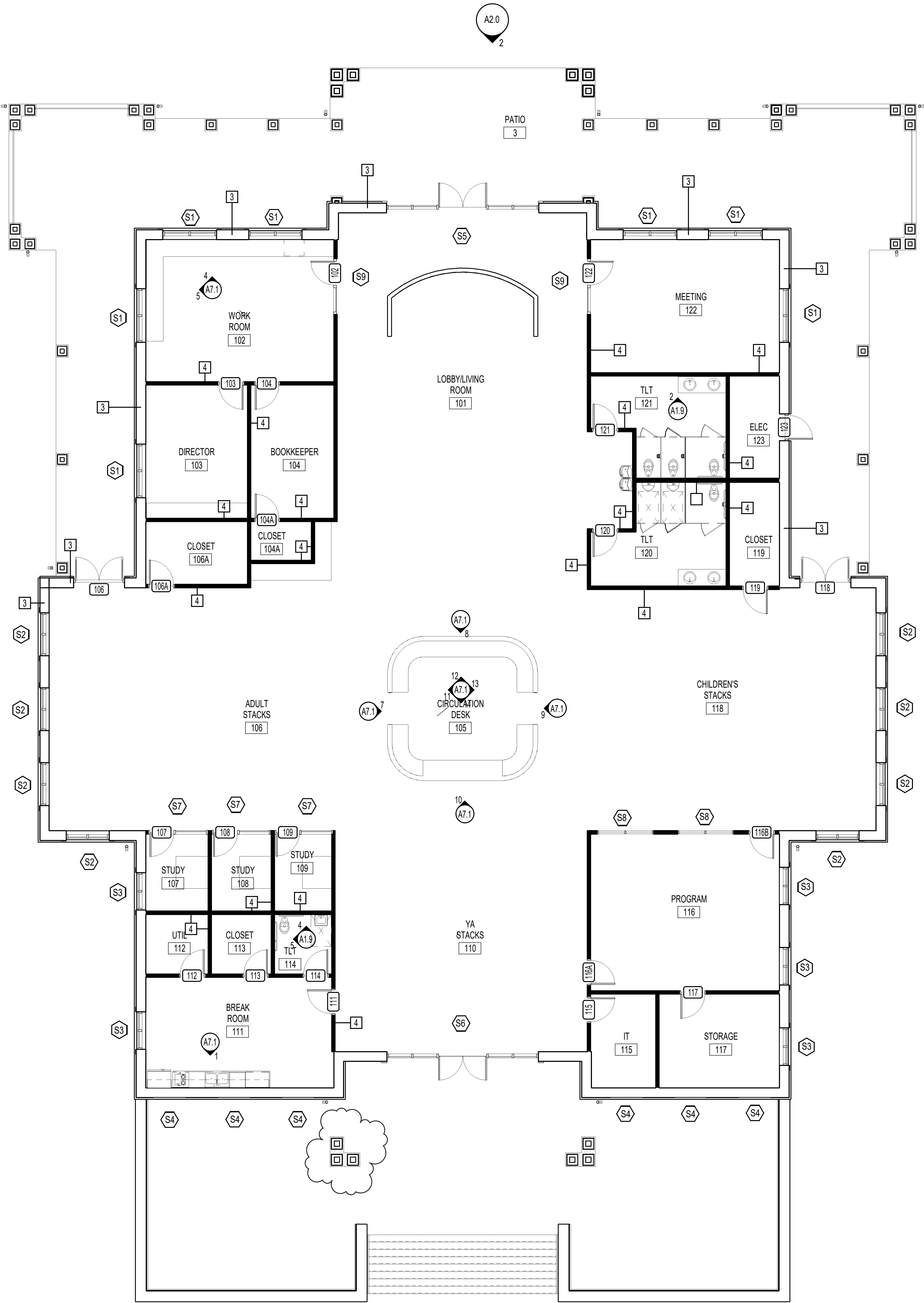
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A1.7

FINISH PLAN

1/8" = 1'-0"

A2.1
2



1
A2.1

FLOOR FINISH FILL LEGEND

	CPT-1: CARPET TILE 1		FT-2: FLOOR TILE 2
	CPT-2: CARPET TILE 2		FT-3: FLOOR TILE 3
	CPT-3: CARPET TILE 3		LVT-1: LUXURY VINYL TILE
	CPT-4: CARPET TILE 4		VCT-1: VINYL COMPOSITION TILE
	FT-1: FLOOR TILE 1		SC: SEALED CONCRETE

NOTES:
1. PATTERNS IN THIS LEGEND APPLY TO FLOOR FINISH PLAN ONLY.
2. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FINISH PLAN NOTES

- ALL EXISTING HM DOOR AND WINDOW FRAMES TO RECEIVE NEW PAINT. COLOR PER ARCHITECT.
- ALL EXISTING COVER PLATES FOR DEVICES TO BE REPLACED WITH ALL NEW SS COVER PLATES.
- SEE INTERIOR ELEVATIONS FOR FULL EXTENT OF WALL FINISHES AS KEYED IN PLANS.
- VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION OF FINISHES.
- TS = FURNISH AND INSTALL TRANSITION STRIP AT ALL FLOOR MATERIAL CHANGES AS SHOWN OR AS REQUIRED.
- HEIGHT AND PROFILE OF ALL TRANSITIONS STRIPS SHALL COMPLY WITH HANDICAP CODE.
- COLOR FOR ALL TRANSITION STRIPS SHALL BE AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- COORDINATE LOCATION OF ALL TRANSITION STRIPS WITH EXISTING AND NEW CONDITIONS. WHERE POSSIBLE, LOCATE TRANSITION STRIPS UNDER DOOR SLABS. NO EXPOSED SLAB PERMITTED IN FINISHED AREAS.
- COORDINATE SIZE OF ALL TRANSITION STRIPS WITH FINISH MATERIALS.

FINISH LEGEND

ROOM NAME ROOM NUMBER		WALL FINISHES BASED ON PLAN DIRECTION (PLAN N.E.S.W.) **PLAN DIRECTION REFERS TO ORIENTATION ON THIS SHEET	
NORTH	EAST	SOUTH	WEST
FLOOR	BASE	CEILING	CEILING
WALL FINISH		FLOOR FINISH	
PNT-1 INTERIOR FIELD PAINT 1		ETR EXISTING FLOORING TO REMAIN	
PNT-1E INTERIOR FIELD EPOXY PAINT 1		FT-1 FLOOR TILE PATTERN 1	
PNT-2 INTERIOR ACCENT PAINT		FT-2 FLOOR TILE 2	
PNT-3 INTERIOR ACCENT PAINT 3		CPT-1 CARPET TILE PATTERN 1	
PNT-4 INTERIOR ACCENT PAINT 4		CPT-1 CARPET TILE PATTERN 2	
WT-1 WALL TILE 1		CPT-3 CARPET TILE PATTERN 3	
		CPT-4 CARPET TILE PATTERN 4	
WALL BASE		EFP-1 EPOXY FLOORING REPAIR / TOPCOAT	
RB-1 RUBBER BASE			
TB-1 TILE BASE			
WB-1 WOOD BASE			
SURFACE FINISH		CEILING FINISH	
PL-1 P-LAM 1	QS-1 QUARTZ 1	ACT-1 ACOUSTICAL CEILING TILE	
PL-2 P-LAM 2	SS-1 SOLID SURFACE 1	ACT-2 ACOUSTICAL CEILING TILE	
PL-3 P-LAM 3	SS-2 SOLID SURFACE 2	GWB GYPSUM WALL BOARD	

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	SIGNAGE	COMMENTS
-------------	-----------	-------	------	-------	------	-------	------	---------	---------	----------

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

PRELIMINARY NOT FOR CONSTRUCTION

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GENERAL NOTE:
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Revisions	Description	Date
1	Revision 1	Date 1

Date 06/28/2024	Project No. 22038
Drawn By Author	Sheet No. A1.7
Checked By Checker	

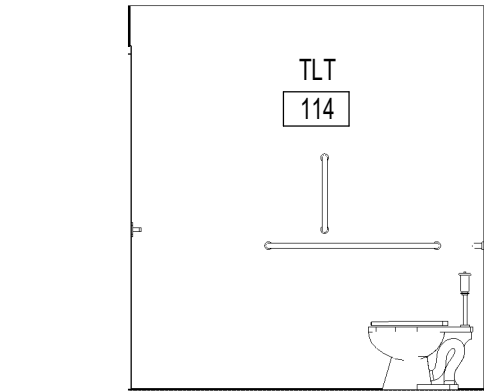
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FINISH PLAN - FIRST FLOOR

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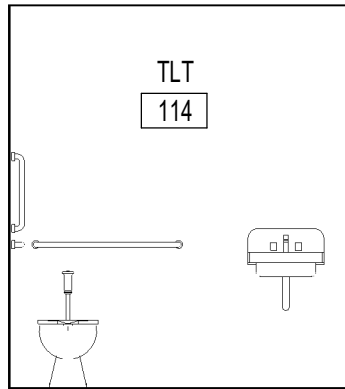
109 Condevwood Road, Rocky Mount, NC 27804 (P) 252.937.2500
303 W. Martin Street, Raleigh, NC 27601

TOILET ACCESSORIES SCHEDULE				
TAG	DESCRIPTION	MANUF.	MODEL NO.	MOUNTING HEIGHT
PD	PAPER TOWEL DISPENSER	A.S.I.	20210	48" TO SLOT
T2	SURFACE MOUNTED SOAP DISPENSER	A.S.I.	9343	50 7/8" TO TOP
T3	STAINLESS STEEL FRAMED MIRROR	A.S.I.	20650	40" TO BOTTOM
T4	SINGLE ROLL TISSUE DISPENSER	A.S.I.	7305-S-R009	27" C.L.
GB36	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	A.S.I.	3800-36P	34" C.L.
GB42	1 1/2" DIA. X 42" S.S. GRAB BAR - PEENED	A.S.I.	3800-42P	34" C.L.
GB18	1 1/2" DIA. X 18" S.S (VERTICAL) GRAB BAR - PEENED	A.S.I.	3800-18P	39" TO BOTTOM
T5	SOLID PLASTIC TOILET PARTITION	ACCURATE	-	-
1. ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES. 2. WHERE INDICATED AND AS REQUIRED, TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE. 3. FURNISH AND INSTALL ALL NECESSARY FRAMING AND BLOCKING AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL ACCESSORIES. 4. MANUFACTURER AND MODEL NUMBERS INDICATED REPRESENT BASIS OF DESIGN. APPROVED EQUALS WILL BE ACCEPTED.				

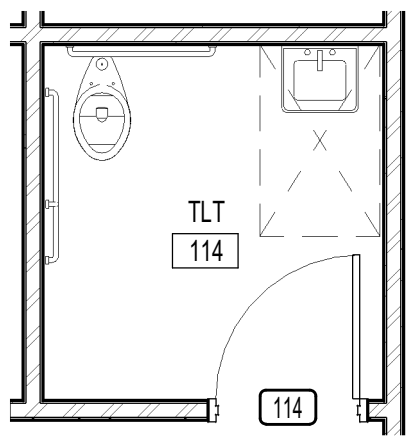
HC ACCESSORIES LEGEND				
GRAB BAR PLACEMENT	TISSUE DISPENSER PLACEMENT	TOILET & GRAB BAR PLACEMENT	LAVATORY & MIRROR	KNEE & TOE CLEARANCE
PAPER TOWEL DISPENSER	TOILET TISSUE DISPENSER	SOAP DISPENSER	SANITARY NAPKIN DISPOSAL	RECESSED WASTE CAN
HOOK	CHANGING STATION	BOTTLE FILLER	FRONT	SIDE
TYPICAL TOILET ACCESSORIES			EWC	
NOTES				



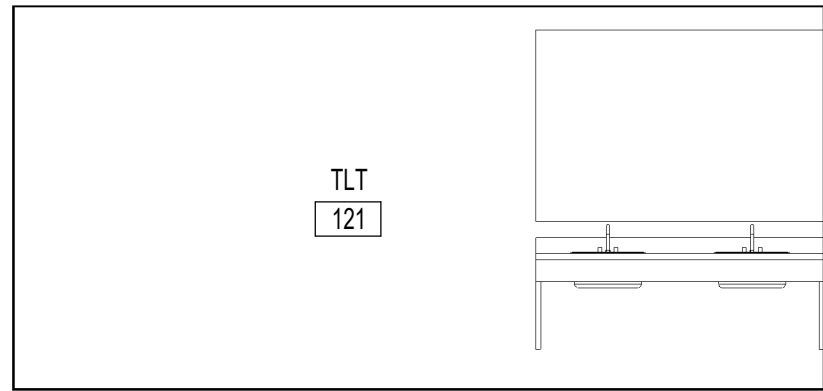
5 TLT 114 - WEST
A1.9 1/4" = 1'-0"



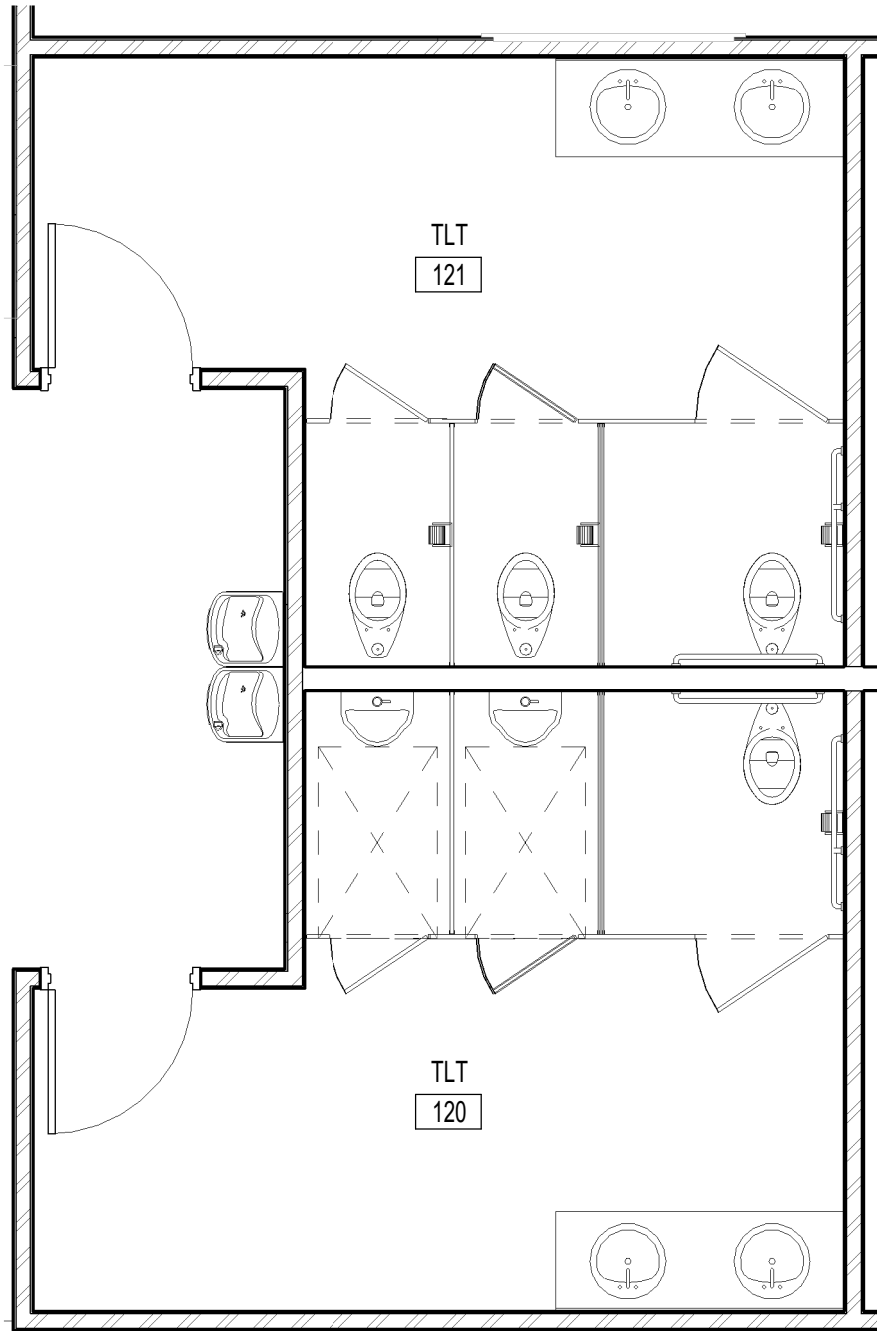
4 TLT 114 - NORTH
A1.9 1/4" = 1'-0"



3 TLT 114
A1.9 1/4" = 1'-0"



2 TLT 102 & 103
A1.9 1/4" = 1'-0"



1 TLT 102 & 103
A1.9 1/4" = 1'-0"

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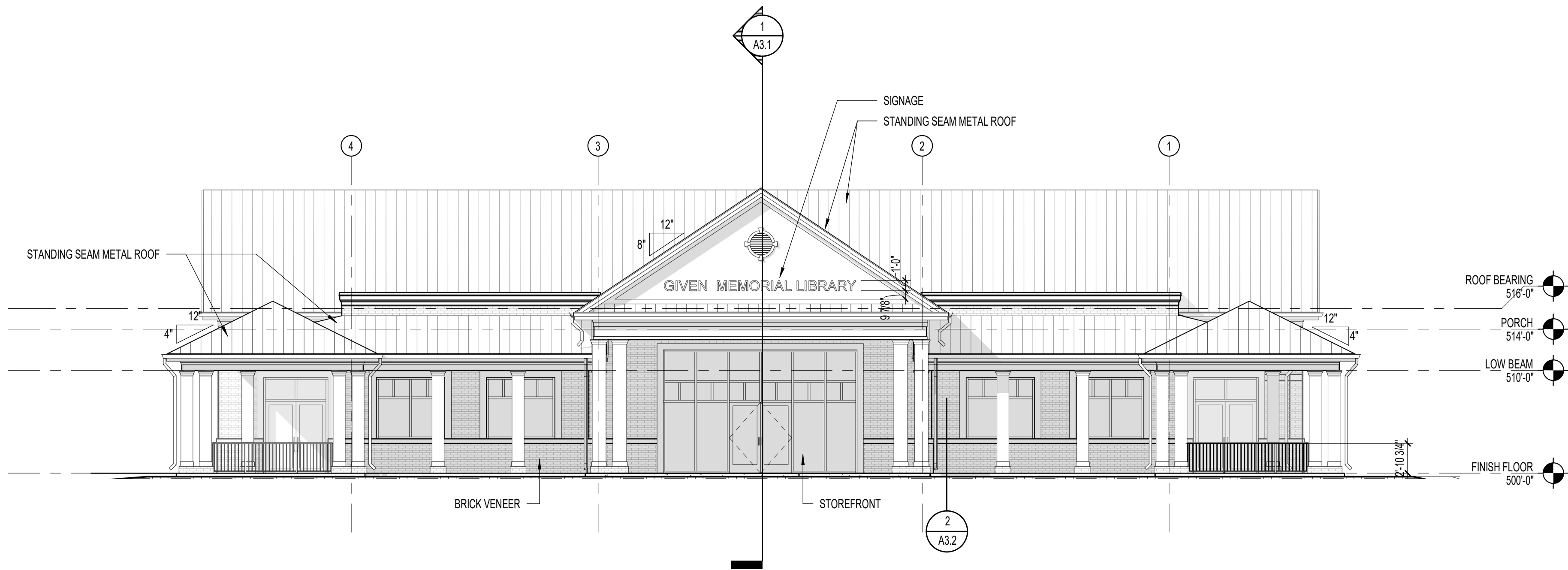
VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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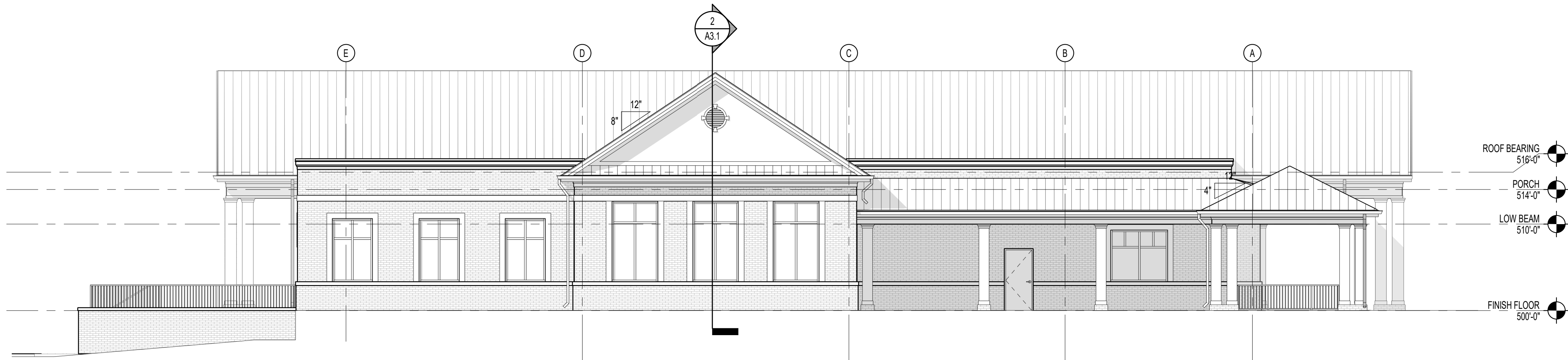
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Revisions		
#	Description	Date
Date	Project No.	
06/28/2024	22038	
Drawn By	Author	Sheet No.
Author	A1.9	
Checked By	Checker	
Checker		
Sheet Title		
ENLARGED PLANS		

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2 FRONT ELEVATION
A2.0 1/8" = 1'-0"



1 LEFT SIDE ELEVATION
A2.0 1/8" = 1'-0"

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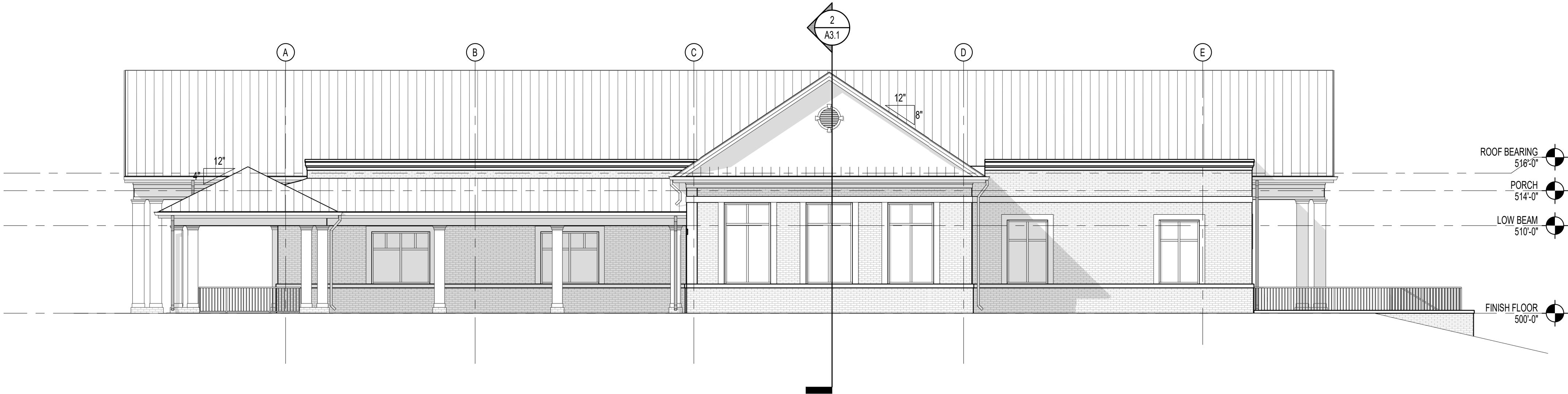
Revisions	Description	Date
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Date	Project No.
06/28/2024	22038
Drawn By	Sheet No.
Author	A2.0
Checked By	Checker

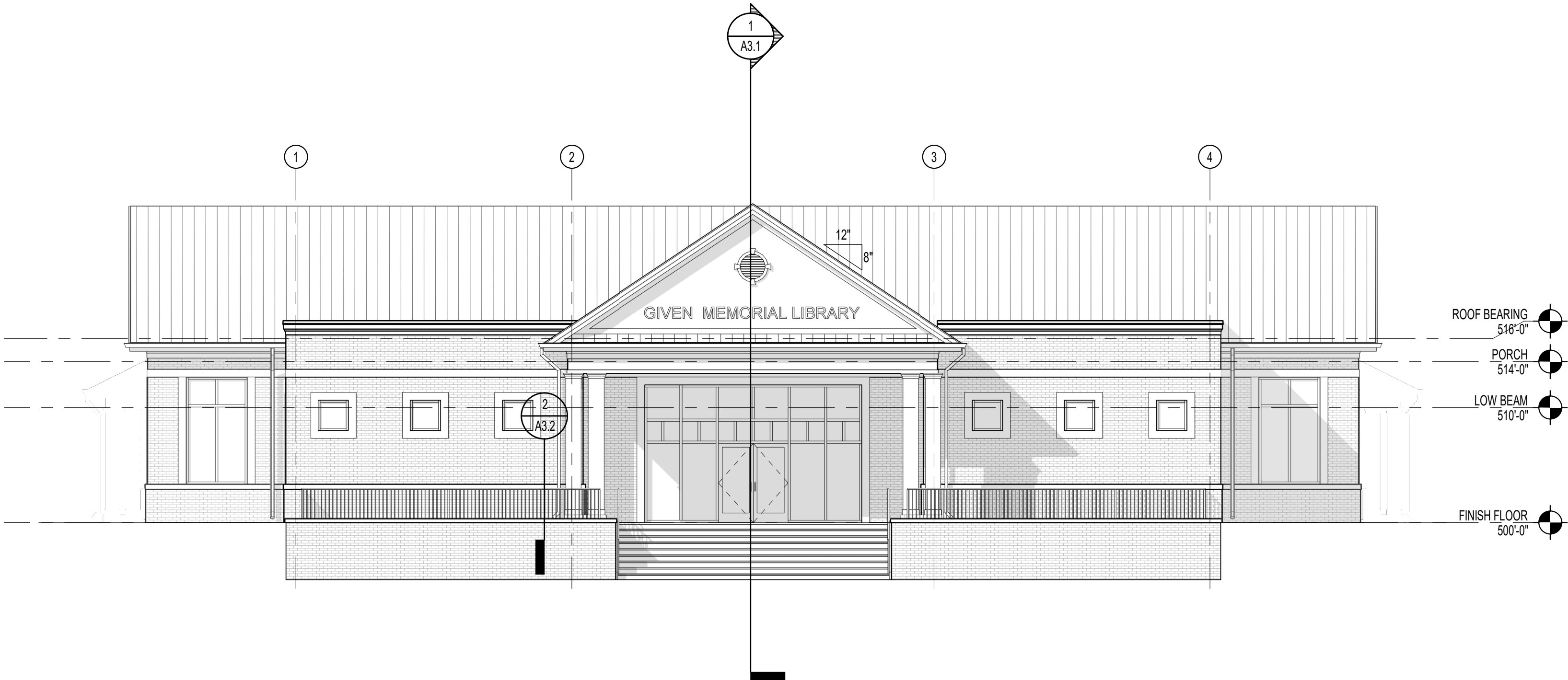
Sheet Title
BUILDING ELEVATIONS

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2
A2.1 RIGHT SIDE ELEVATION
1/8" = 1'-0"



1
A2.1 REAR ELEVATION
1/8" = 1'-0"

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Description Date

Date	Project No.
06/28/2024	22038
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Author	A2.1
Checked By	Checker

Sheet Title
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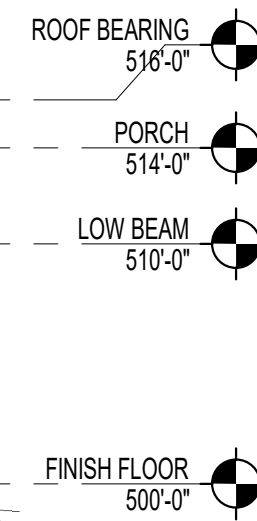
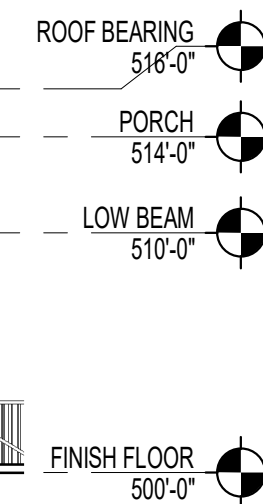
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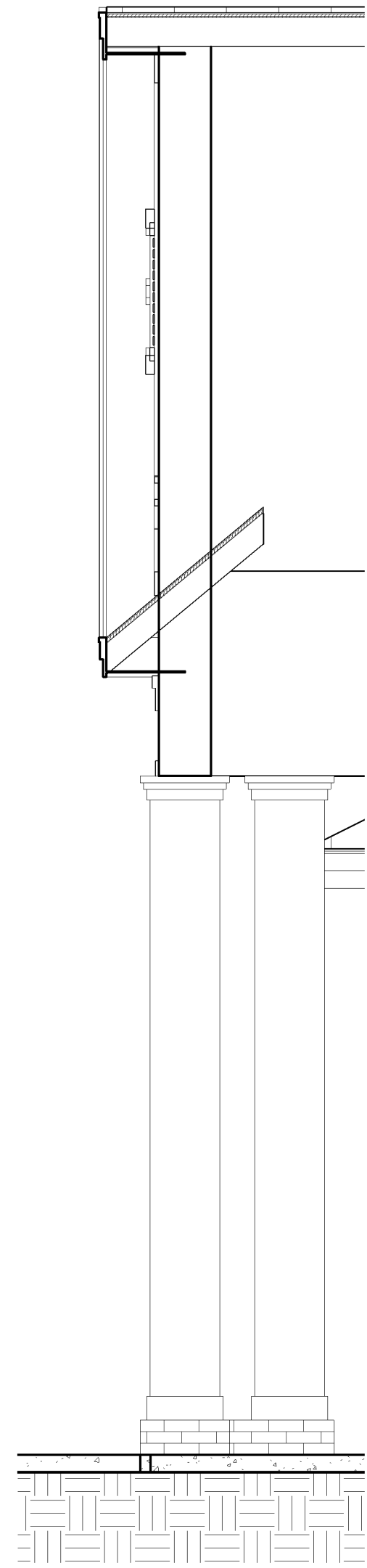
Revisions		
#	Description	Date

Checked By
Checker

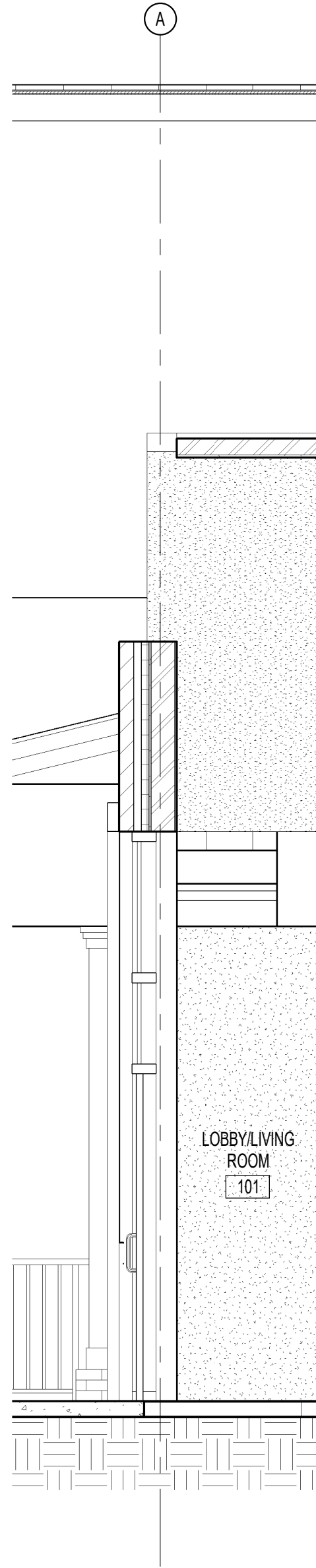
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DING SECTIONS

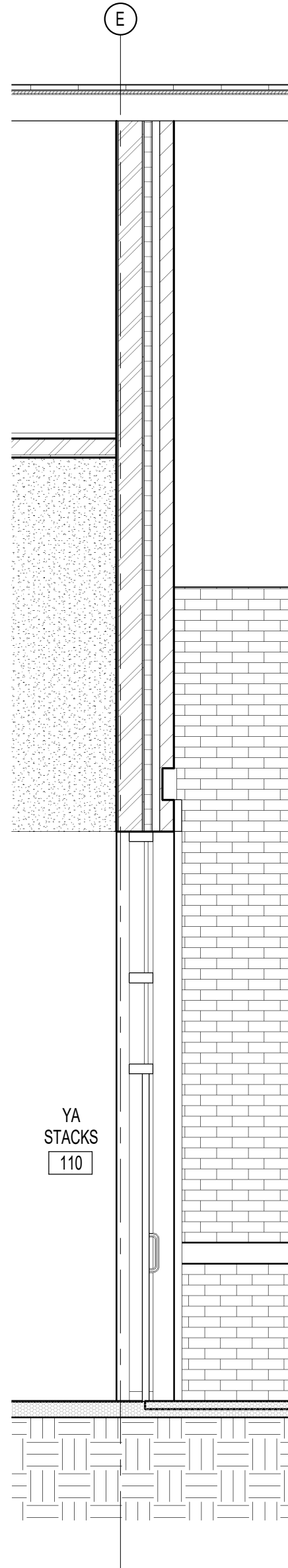

$$1/8'' = 1'-0''$$

$$1/8'' = 1'-0''$$



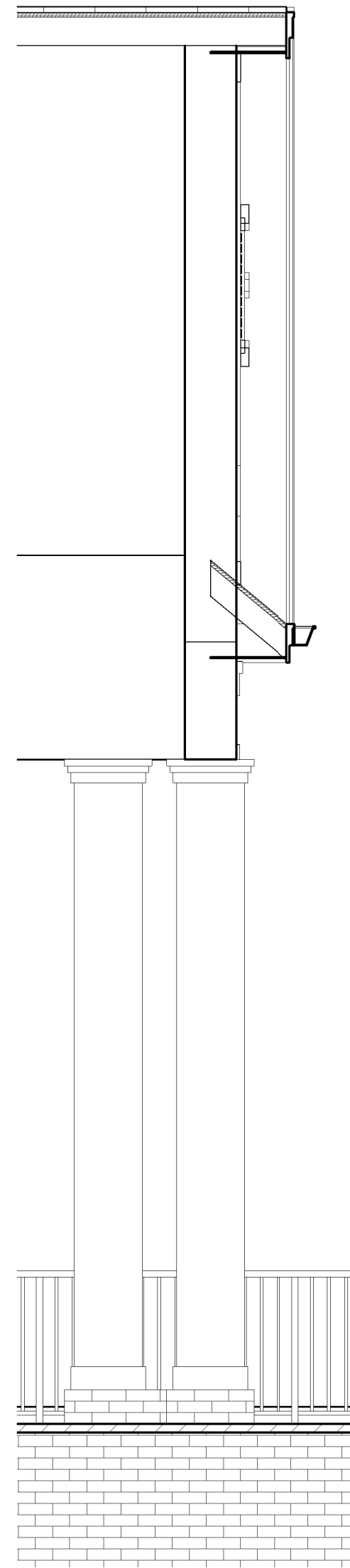
3 WS FRONT PORCH
A3.2 3/8" = 1'-0"



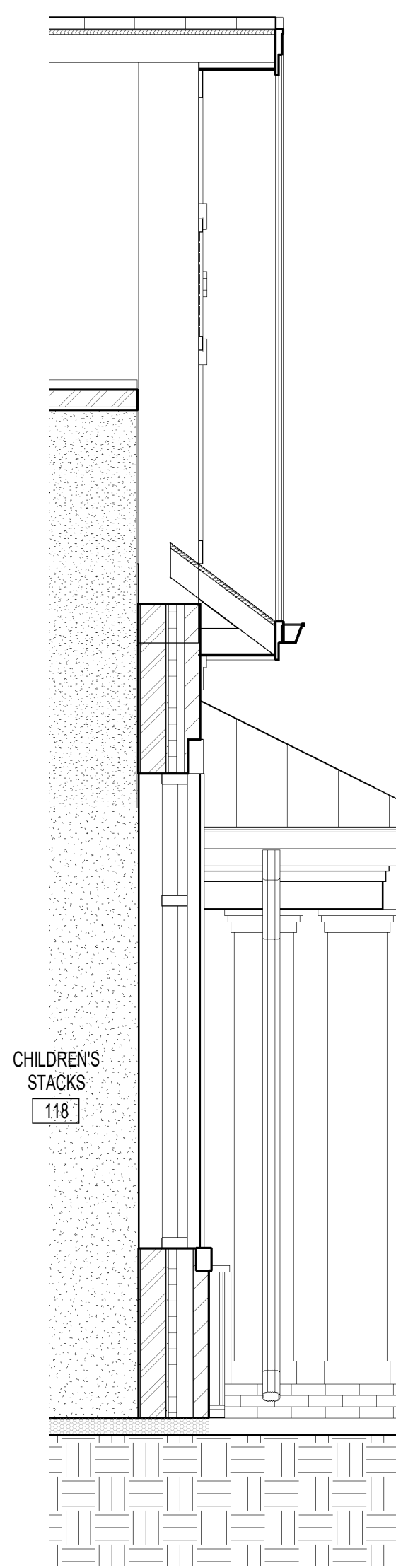
1 WS 101
A3.2 3/8" = 1'-0"



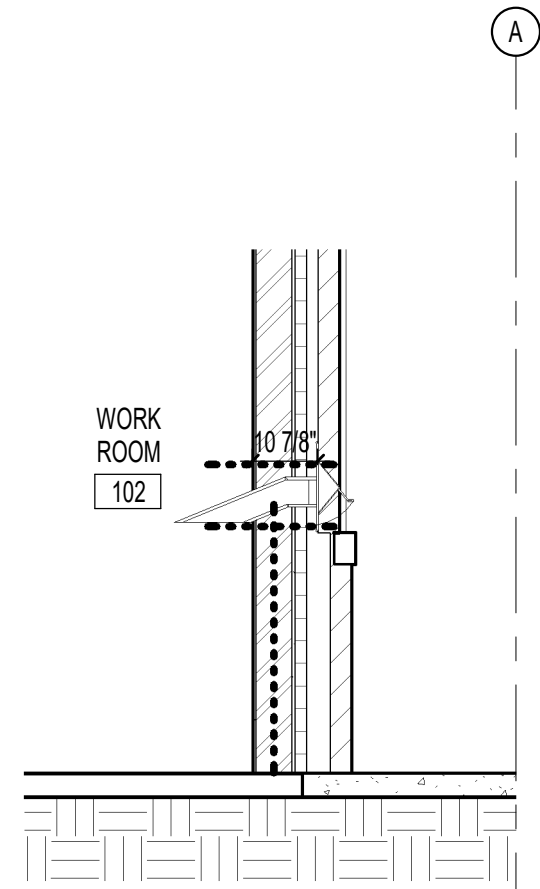
4 WS 110
A3.2 3/8" = 1'-0"



5 WS PATIO
A3.2 3/8" = 1'-0"



6 WS 116
A3.2 3/8" = 1'-0"



2 WS 102 - BOOK DROP
A3.2 3/8" = 1'-0"

NEW CONSTRUCTION FOR:

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#	Description	Date
Date	Project No.	
06/28/2024	22038	
Drawn By	Sheet No.	
Author	A3.2	
Checked By	Sheet Title	
Checker	WALL SECTIONS	

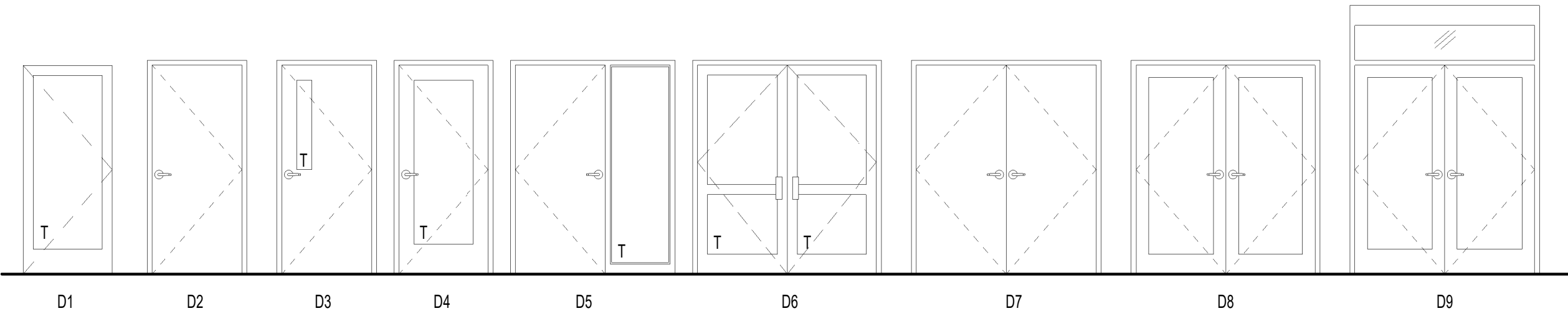
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GENERAL DOOR NOTES

1. ALL HARDWARE SHALL MEET ALL APPLICABLE HANDICAP CODES.
2. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
3. EXTERIOR DOOR GLAZING SHALL BE 5/8" TEMPERED INSULATING, TYPICAL, U.N.O.
4. EXTERIOR DOOR GLAZING SHALL BE TINTED TO MATCH STOREFRONT GLAZING.
5. FURNISH AND INSTALL DOOR CLOSERS AS SCHEDULED IN COMPLIANCE WITH ALL APPLICABLE CODES.
6. ALL HOLLOW METAL DOOR FRAMES SHALL BE FULLY WELDED TYPE, FACTORY PRIMED, AND FIELD PAINTED. COLOR PER ARCHITECT. INSTALL PER MANUFACTURER FOR PROPER INSTALLATION AND OPERATION FOR SPECIFIC APPLICATIONS.
7. ALL WOOD DOORS SHALL BE STAIN GRADE, SPECIES, AND COLOR PER ARCHITECT.
8. ALL ALUMINUM STOREFRONT AND DOORS SHALL BE PREFINISHED COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
9. DOOR THRESHOLDS SHALL BE 1/2" MAXIMUM HEIGHT.
10. ALL EXISTING DOORS, ASSOCIATED DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE ACCESSED PRIOR TO RENOVATION. ALL EXISTING DOORS, DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE CLEANED & REFURBISHED TO MATCH PROJECT STANDARDS.

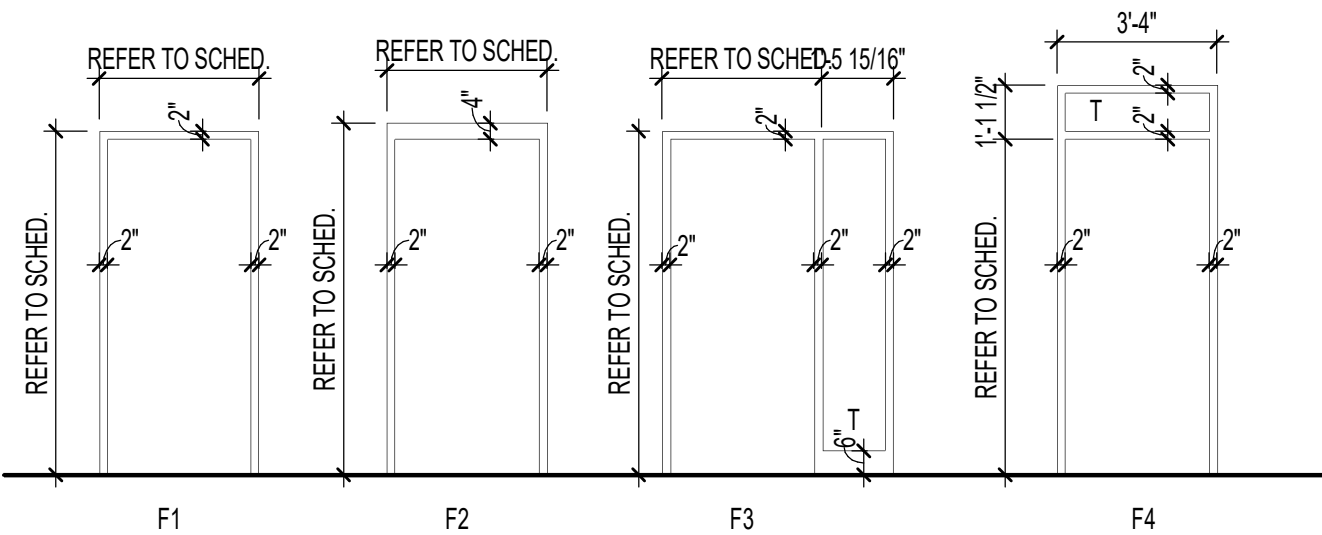
DOOR SCHEDULE

DOOR NUMBER	DOOR								FRAME					REMARKS	DOOR NUMBER	DOOR SCHEDULE SHADING
	SIZE			MATERIAL	FINISH	DESCRIPTION	GLAZING	ELEVATION	RATING	DESCRIPTION			DETAILS			
	WIDTH	HEIGHT	THICKNESS							MATERIAL	FINISH	ELEVATION				
102	3'-0 1/4"	6'-10 3/4"	1 3/4"					D1	--						102	
103	3'-0"	7'-10 1/8"	1 3/4"					D3	--						103	
104	3'-0"	7'-0"	1 3/4"					D3							104	
104A	3'-0"	7'-0"	1 3/4"					D2							104A	
106	5'-11"	6'-11 3/4"						D9							106	
106A	3'-0"	7'-0"	1 3/4"					D2							106A	
107	2'-11 249/256"	6'-11 7/8"	1 3/4"					D1	--						107	
108	2'-11 249/256"	6'-11 7/8"	1 3/4"					D1	--						108	
109	2'-11"	6'-11 7/8"	1 3/4"					D1	--						109	
111	3'-0"	7'-0"	1 3/4"					D3							111	
112	3'-0"	7'-0"	1 3/4"					D2							112	
113	3'-0"	7'-0"	1 3/4"					D2							113	
114	3'-0"	7'-0"	1 3/4"					D2							114	
115	3'-0"	7'-0"	1 3/4"					D2							115	
116A	3'-0"	7'-0"	1 3/4"					D4							116A	
116B	3'-0"	7'-0"	1 3/4"					D4							116B	
117	3'-0"	7'-0"	1 3/4"					D2							117	
118	5'-11"	6'-11 3/4"						D9							118	
119	3'-0"	7'-0"	1 3/4"					D2							119	
120	3'-0"	7'-0"	1 3/4"					D2							120	
121	3'-0"	7'-0"	1 3/4"					D2							121	
122	3'-0"	6'-11 7/8"	1 3/4"					D1	--						122	
123	3'-0"	7'-0"	1 3/4"					D2							123	



DOOR - ELEVATIONS

1/4" = 1'-0"



FRAME - ELEVATIONS

1/4" = 1'-0"

NEW CONSTRUCTION FOR:

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OAKLEY
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VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

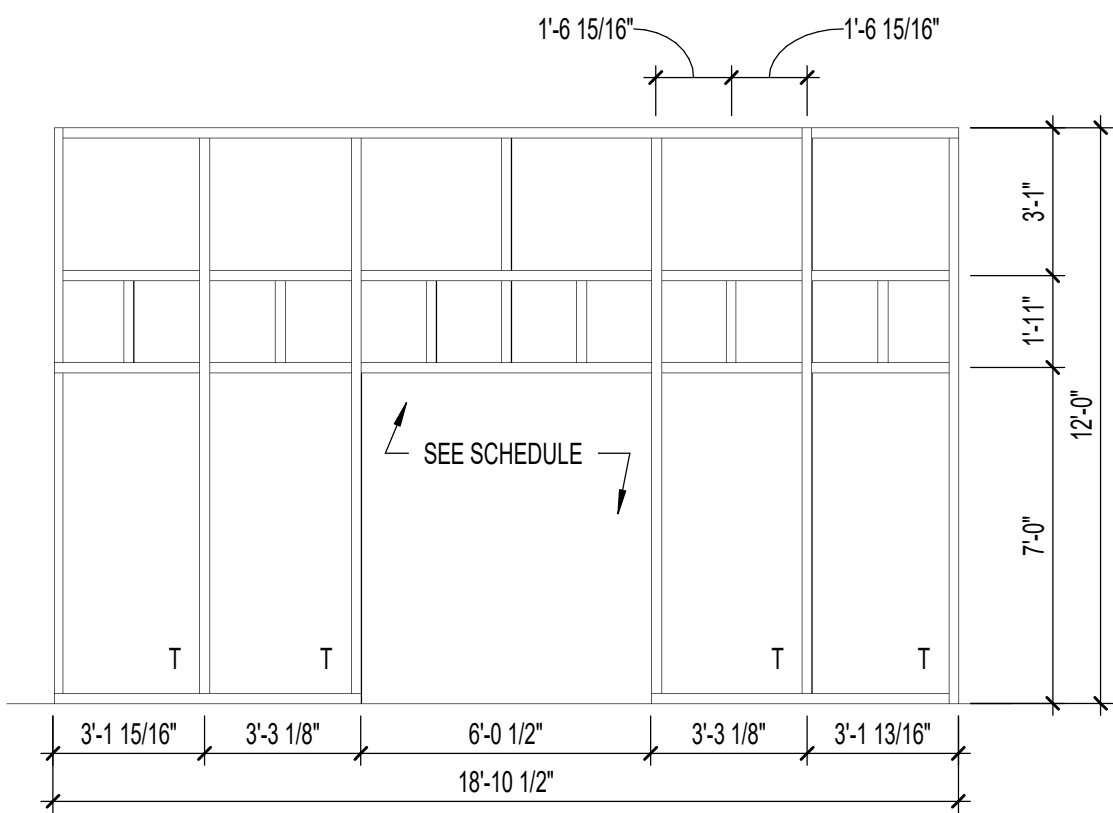
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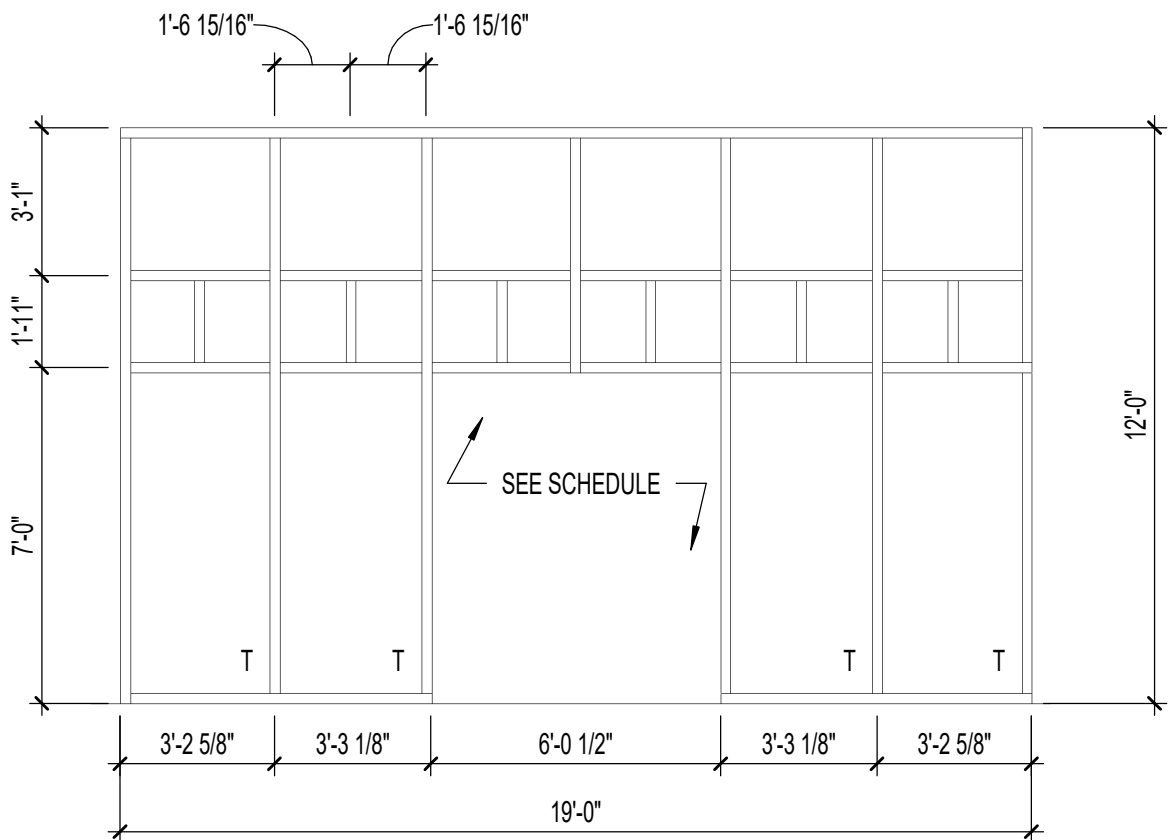
Revisions		
#	Description	Date
Date	Project No.	
06/28/2024	22038	
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Checker	DOOR SCHEDULE	

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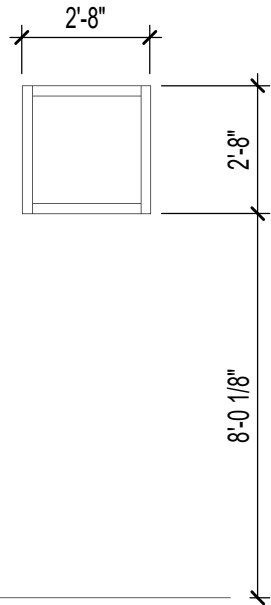
S6

1/4" = 1'-0"



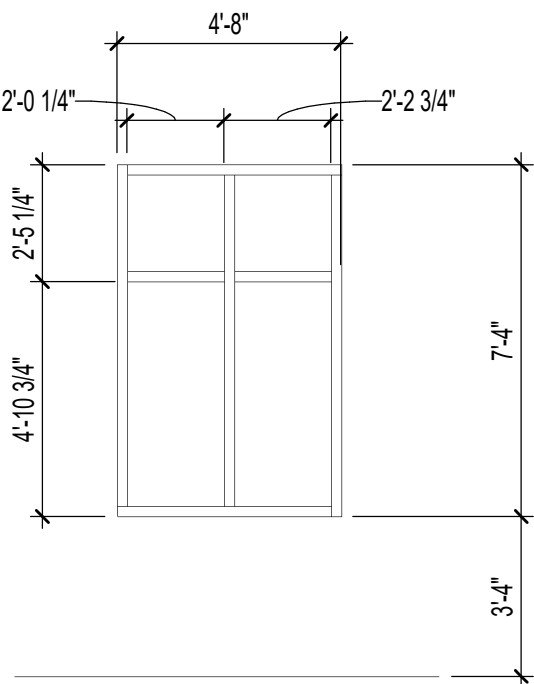
S5

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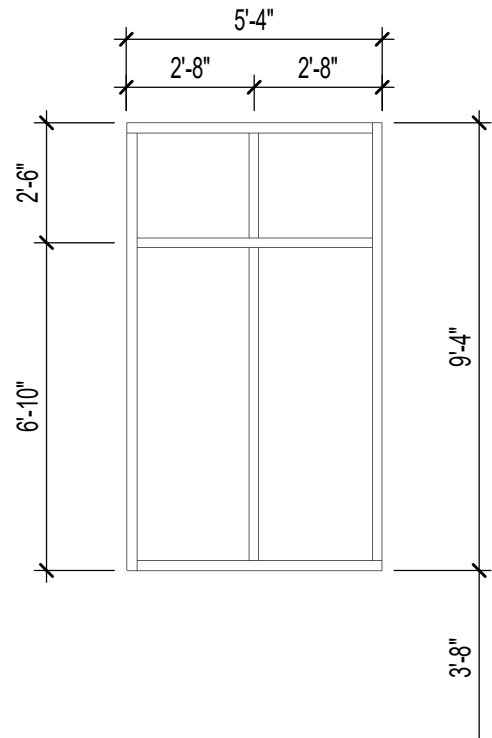
S4

1/4" = 1'-0"



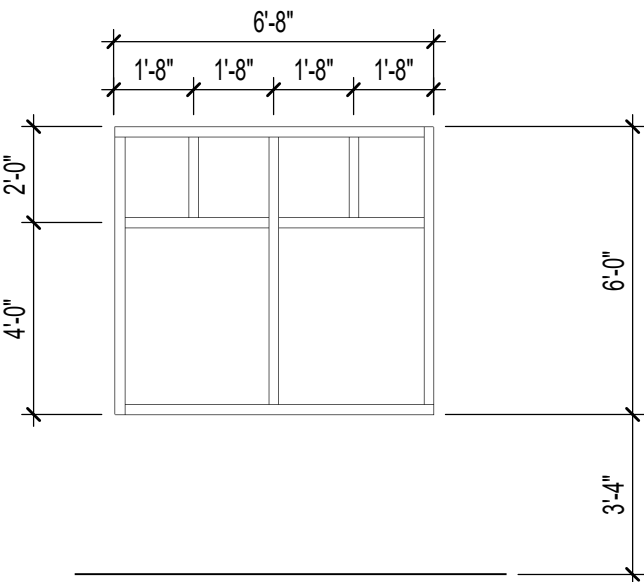
S3

1/4" = 1'-0"



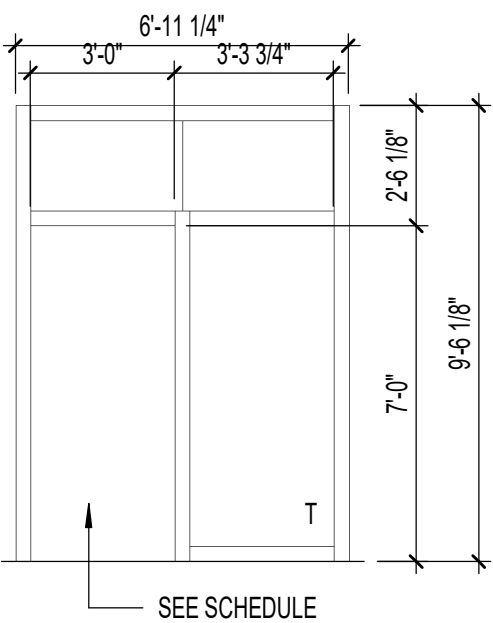
S2

1/4" = 1'-0"



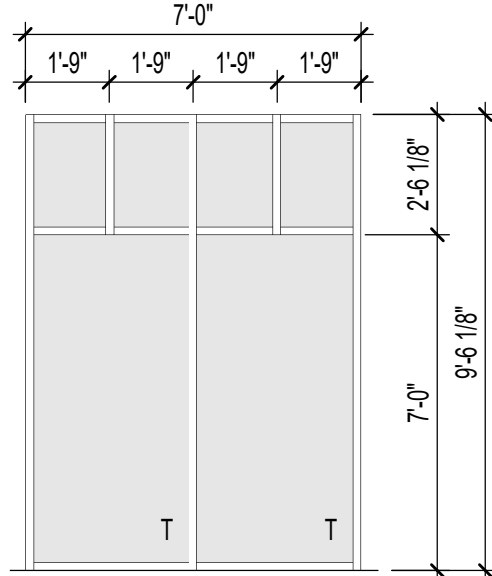
S1

1/4" = 1'-0"



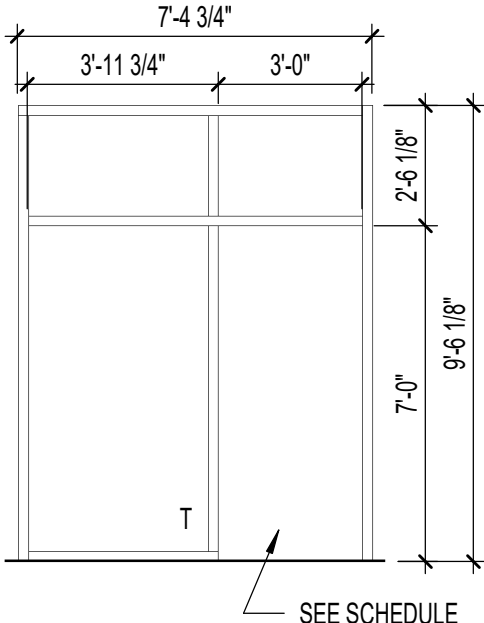
S9

1/4" = 1'-0"



S8

1/4" = 1'-0"



S7

1/4" = 1'-0"

LEGEND

H#	-	INTERIOR HOLLOW METAL WINDOW ASSEMBLY, SEE SPECIFICATION.
W#	-	EXTERIOR HOLLOW METAL WINDOW ASSEMBLY, SEE SPECIFICATION
S#	-	INTERIOR ALUMINUM STOREFRONT
C#	-	ALUMINUM CURTAIN WALL

GLAZING

IG	INSULATED GLASS
SG	SAFETY GLASS
RSG	RATED SAFETY GLASS
IG - 1	TINTED
IG - 2	TINTED TEMPERED
IG - 4	TINTED LAMINATED
IG - 5	SPANDREL
SG - CG	CLEAR
SG - CT	CLEAR, TEMPERED
SG - FT	FROSTED, TEMPERED

WINDOW NOTES

1. ALL EXTERIOR STOREFRONT GLAZING SHALL BE OUTSIDE GLAZED 1" INSULATING TINTED GLASS AS NOTED IN SCHEDULE, TYPICAL.
2. PROVIDE ALL NECESSARY FRAME ANCHORS AS REQUIRED FOR SPECIFIC INSTALLATIONS.
3. ALL GLAZING WITHIN 24" OF VERTICAL EDGE OF DOORS SHALL BE TEMPERED. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
4. ALL FRAMING SYSTEMS SHALL BE DESIGNED, ENGINEERED AND FABRICATED BY THE SYSTEM MANUFACTURER TO MEET ALL APPLICABLE CODES. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
5. ALL FRAMING DIMENSIONS AS SHOWN ARE ROUGH OPENING DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT FINISH DIMENSION AT JOB SITE PRIOR TO FABRICATION.
6. HORIZONTAL LOUVER BLINDS SHALL BE FURNISHED AND INSTALLED ON ALL EXTERIOR WINDOWS.

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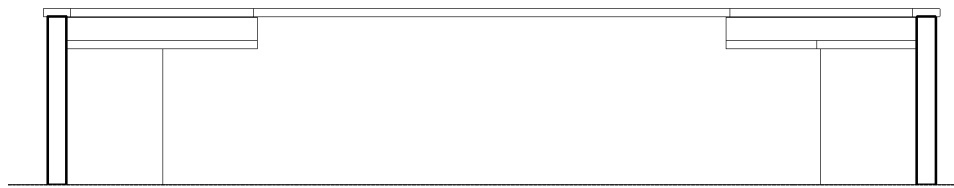
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Revisions	Description	Date
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Date	Project No.
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Sheet Title
WINDOW SCHEDULE



14
A7.1

CIRCULATION DESK 08

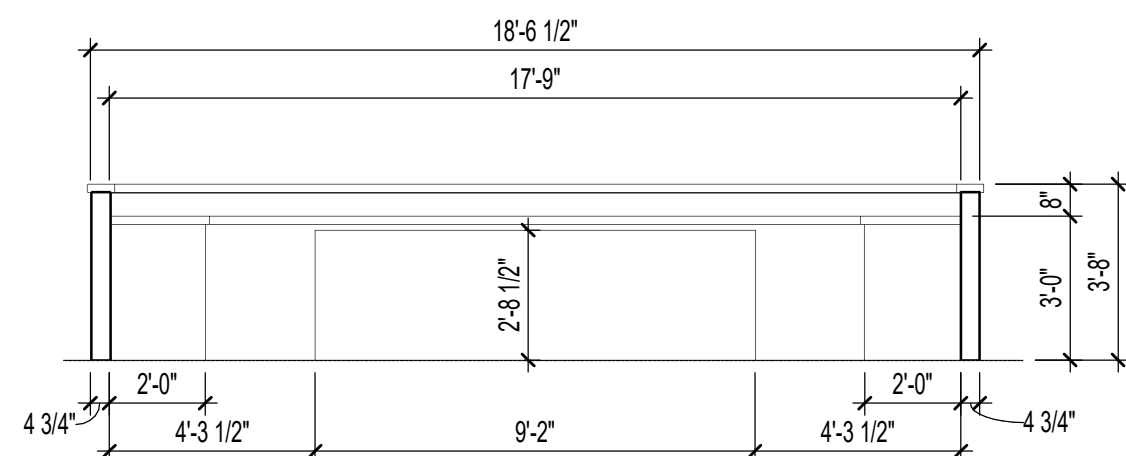
1/4" = 1'-0"



13
A7.1

CIRCULATION DESK 07

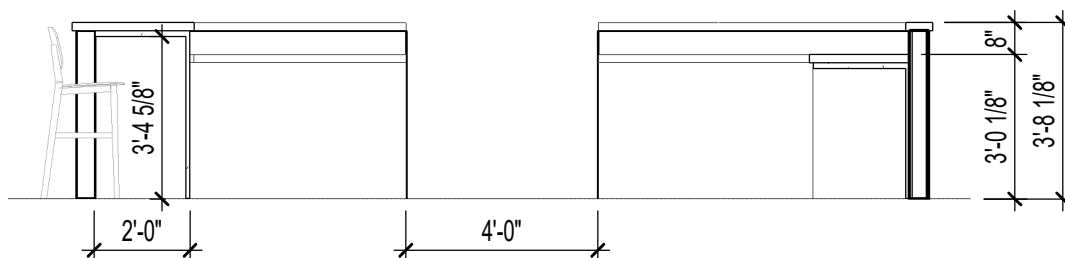
1/4" = 1'-0"



12
A7.1

CIRCULATION DESK 06

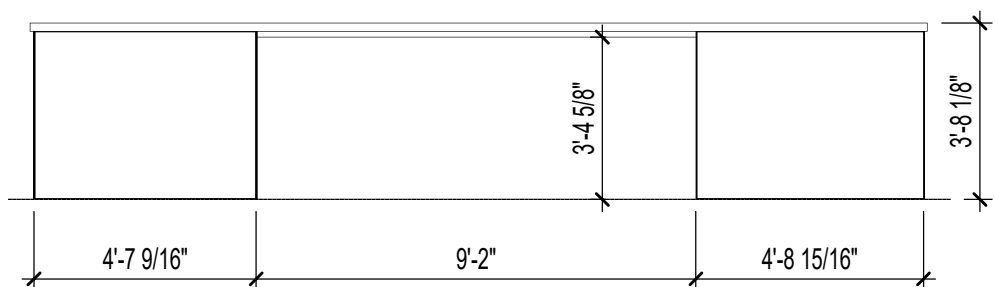
1/4" = 1'-0"



11
A7.1

CIRCULATION DESK 05

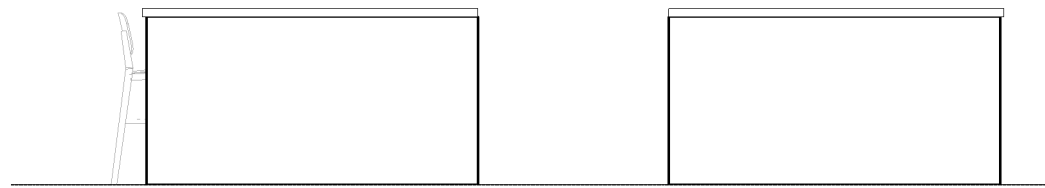
1/4" = 1'-0"



10
A7.1

CIRCULATION DESK 04

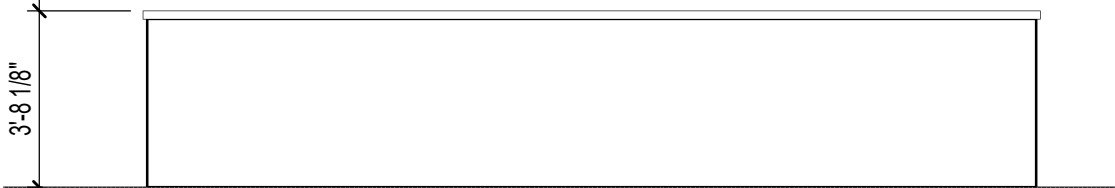
1/4" = 1'-0"



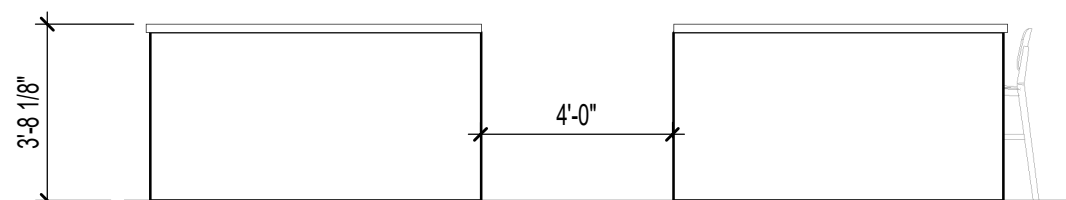
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A7.1

CIRCULATION DESK 03

1/4" = 1'-0"



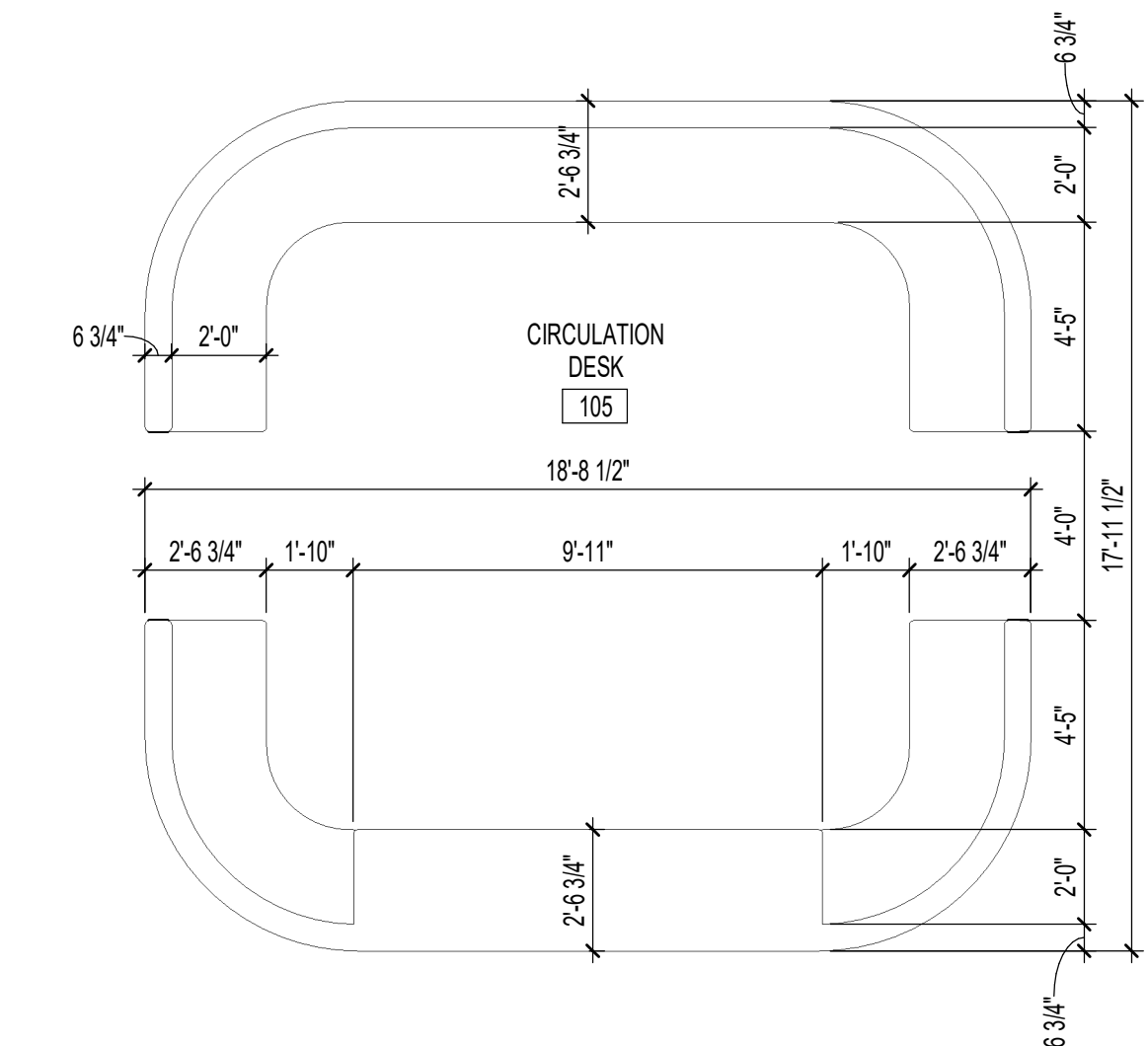
8 CIRCULATION DESK 02
A7.1 1/4" = 1'-0"



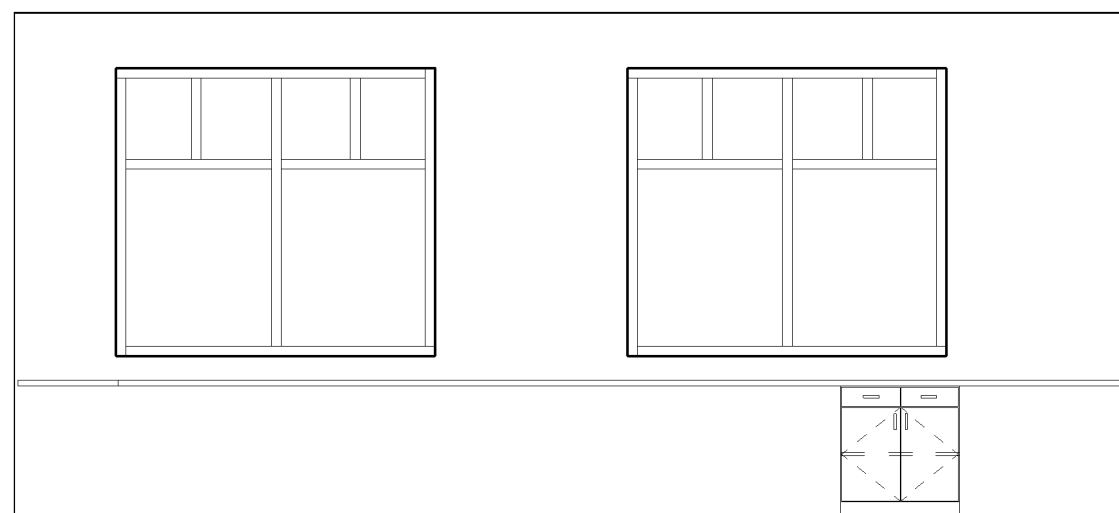
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CIRCULATION DESK 01

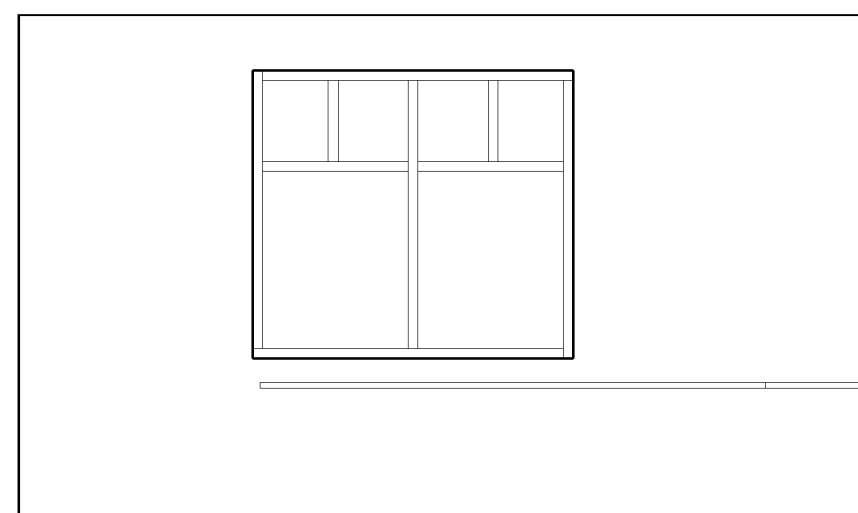
1/4" = 1'-0"



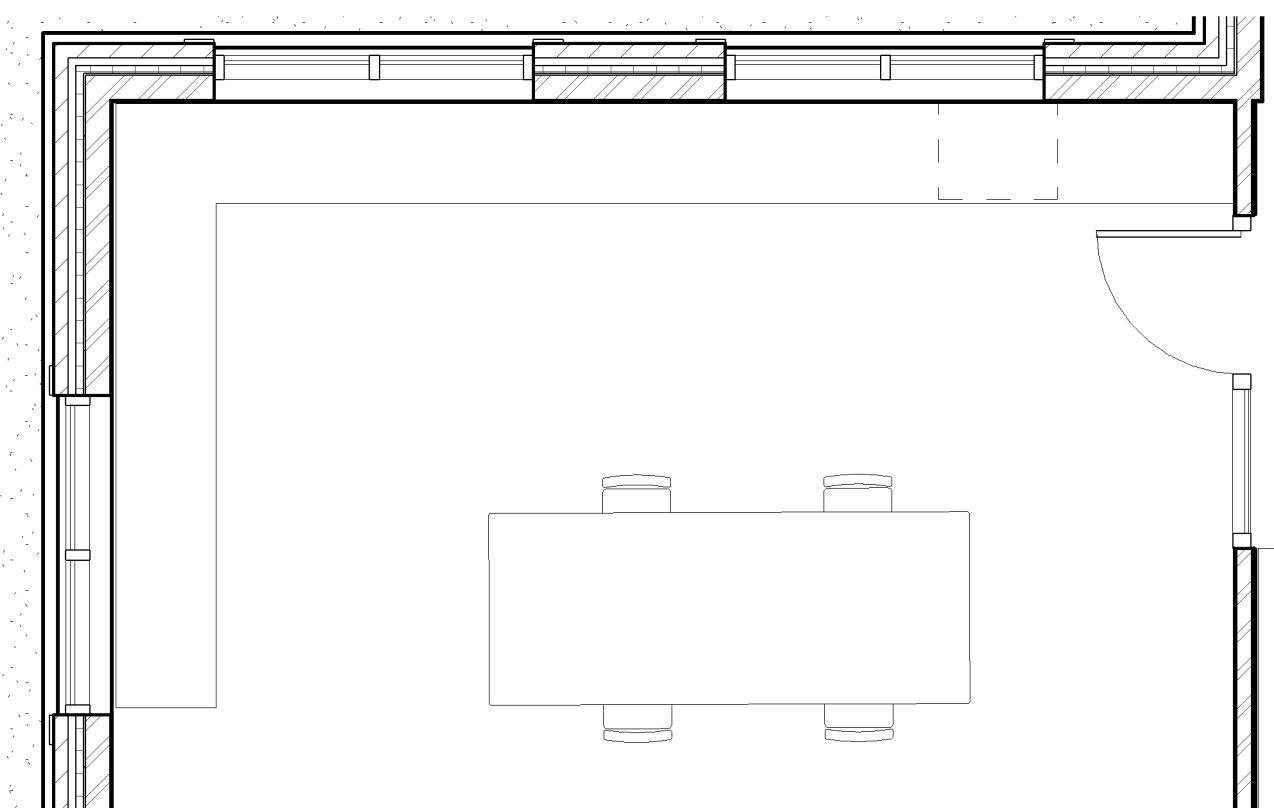
6 CIRCULATION DESK
A7.1 1/4" = 1'-0"



4 WORK 102 - NORTH
A7.1 1/4" = 1'-0"



5 WORK 102 - WEST
A7.1 1/4" = 1'-0"



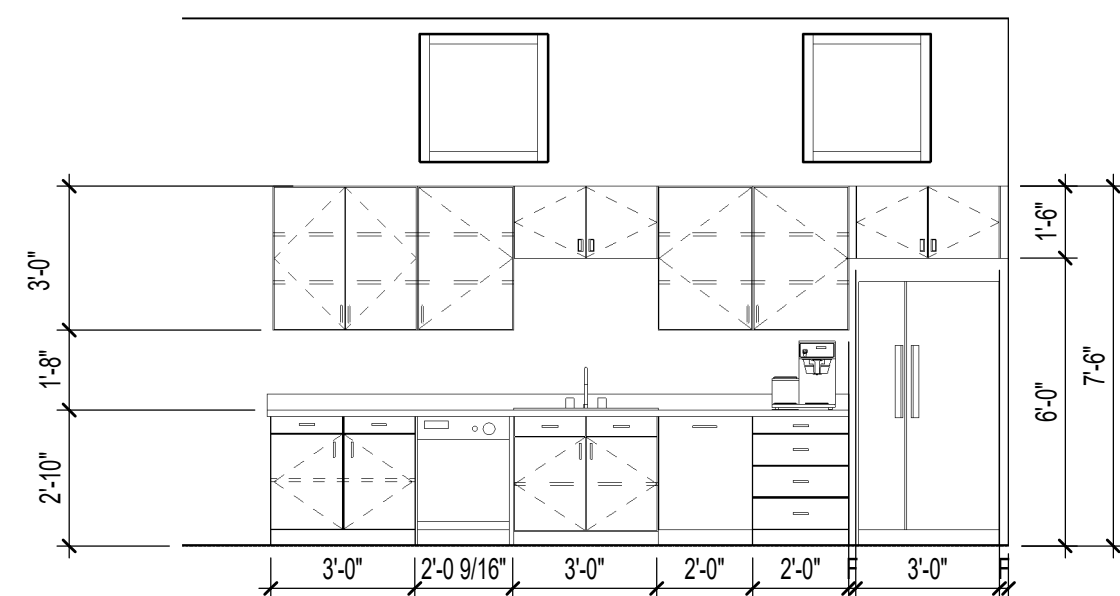
3
A7.1 WORK 102
1/4" = 1'-0"

CABINETRY NOTES

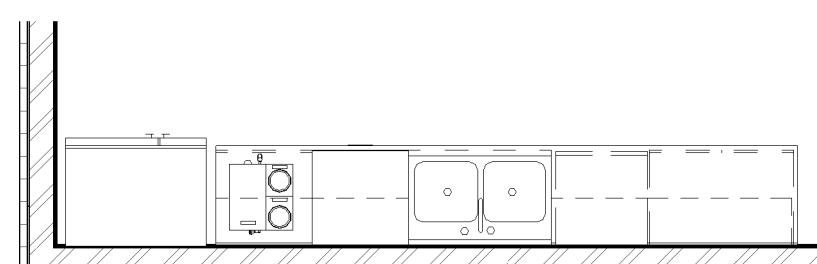
1. PROVIDE PLASTIC LAMINATE FINISH ON ALL EXPOSED SURFACES INCLUDING DOOR AND DRAWER EDGES. COLOR AND PATTERN AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
2. PROVIDE HIGH PRESSURE PLASTIC LAMINATE FINISH ON ALL COUNTER TOPS UNLESS NOTED OTHERWISE. COLOR AND PATTERN AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
3. PROVIDE MELAMINE FINISH ON ALL INTERIOR SURFACES AS SPECIFIED. COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
4. PROVIDE STANDARD "WIRE" DOOR AND DRAWER PULLS, TYPICAL.
5. PROVIDE CONCEALED HINGES FOR ALL DOORS, TYPICAL.
6. PROVIDE FULL EXTENSION SLIDES ON ALL DRAWERS.
7. PROVIDE 3/4" MELAMINE FINISH ADJUSTABLE SHELVING FOR ALL UPPER AND BASE CABINETS AS INDICATED, TYPICAL. PRE DRILL HOLES AT 1 1/4" O.C. AND PROVIDE METAL SHELF CLIPS.
8. PROVIDE 3/4" THICK DRAWER AND DOOR FACES, TYPICAL.
9. FIELD VERIFY ALL DIMENSIONS, SQUARE AND PLUMB OF WALLS TO ENSURE PROPER FIT OF ALL CABINETSRY, TYPICAL.
10. SUBMIT SHOP DRAWINGS PER SPECIFICATIONS OF ALL CABINETSRY AND RELATED ITEMS FOR REVIEW PRIOR TO FABRICATION, TYPICAL.
11. FURNISH AND INSTALL ALL BLOCKING AS REQUIRED FOR PROPER INSTALLATION OF ALL CABINETSRY, COORDINATE INSTALLATION OF BLOCKING WITH CABINET SUPPLIER.
12. ALL APPLIANCES WILL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. VERIFY APPLIANCE SIZES WITH MANUFACTURER'S CUT SHEETS. CUT SHEETS SHALL BE PROVIDED BY THE OWNER.

CASEWORK NOTES & LEGENDS

MARK	DESCRIPTION
B1	2'-0" DEEP BASE CABINET; TWO HINGED DOORS AND TWO 6" HIGH DRAWERS AND ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
B2	2'-0" DEEP BASE CABINET; TWO DRAWERS, ONE FILE DRAWER. HEIGHT/WIDTH VARIES.
B3	2'-0" DEEP BASE CABINET; ONE HINGED DOOR WITH ONE ADJUSTABLE SHELF, ONE 6" HIGH DRAWER. HEIGHT/WIDTH VARIES.
B4	2'-0" SINK CABINET; TWO HINGED DOORS WITH ATTACHED BASEBOARD. SEE SECTION THROUGH TYPICAL ADA SINK CABINETY, DETAIL.
B5	2'-0" DEEP BASE CABINET; FOUR DRAWERS. HEIGHT/WIDTH VARIES.
W1	1'-0" DEEP WALL CABINET; TWO HINGED DOORS & TWO ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
W2	1'-0" DEEP WALL CABINET; TWO HINGED DOORS & ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
W3	1'-0" DEEP OPEN SHELVING; TWO ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
T3	2'-0" DEEP, 7'-0" TALL STORAGE CABINET; ONE HINGED DOOR WITH FIVE ADJUSTABLE SHELVES. WIDTH VARIES.
1. ALL CASEWORK SHOWN IS MANUFACTURED PLASTIC LAMINATE CASEWORK, TYPICAL UNLESS NOTED OTHERWISE. 2. PROVIDE SUPPORT BRACKETS AS REQUIRED/RECOMMENDED BY MANUFACTURER. 3. GC TO PROVIDE ALL BLOCKING REQUIRED BY CASEWORK MANUFACTURER. 4. PROVIDE LOCKS ON CASEWORK WHERE NOTED IN ELEVATIONS.	

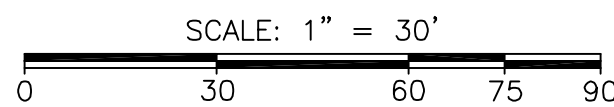
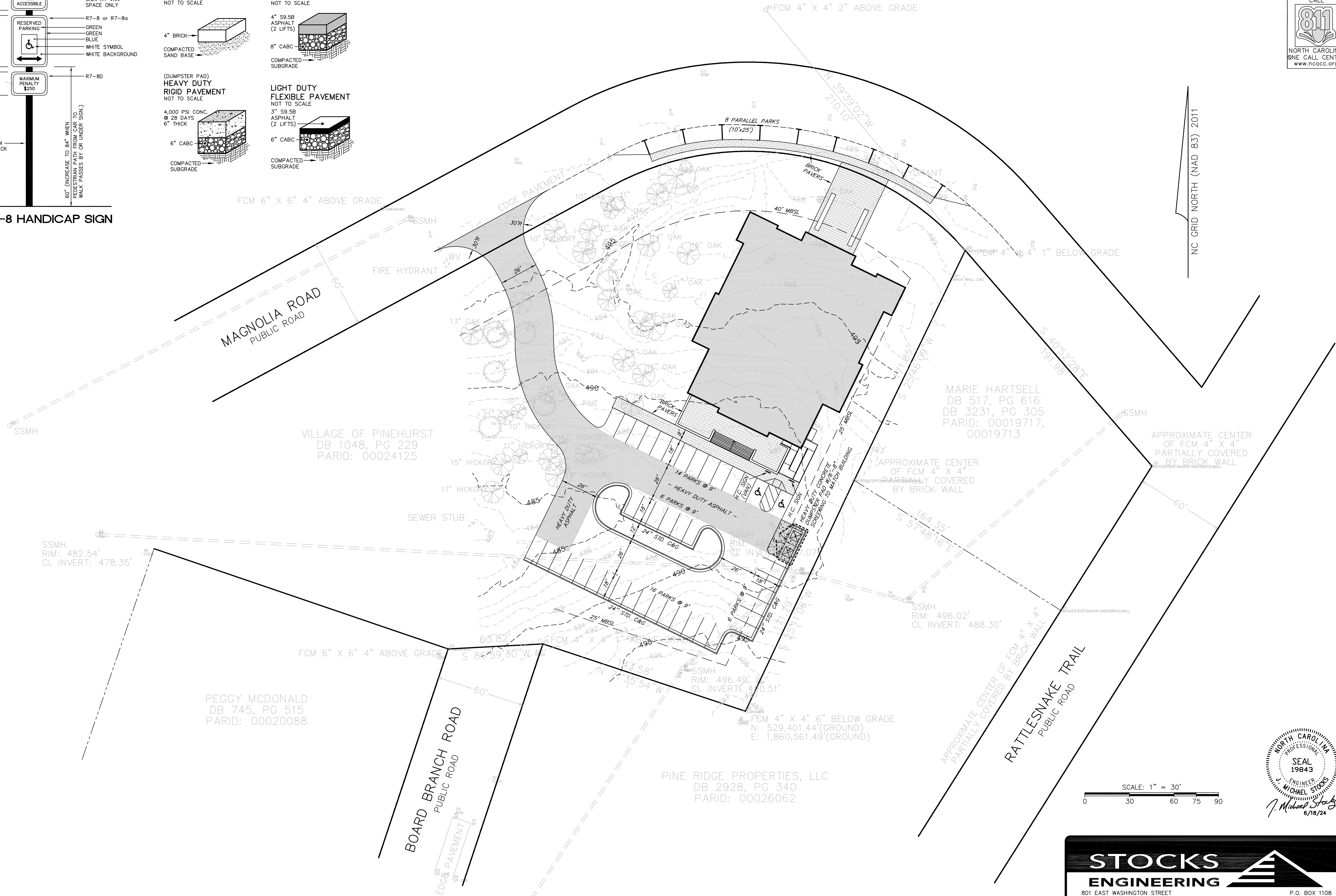
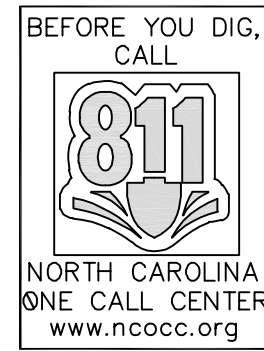
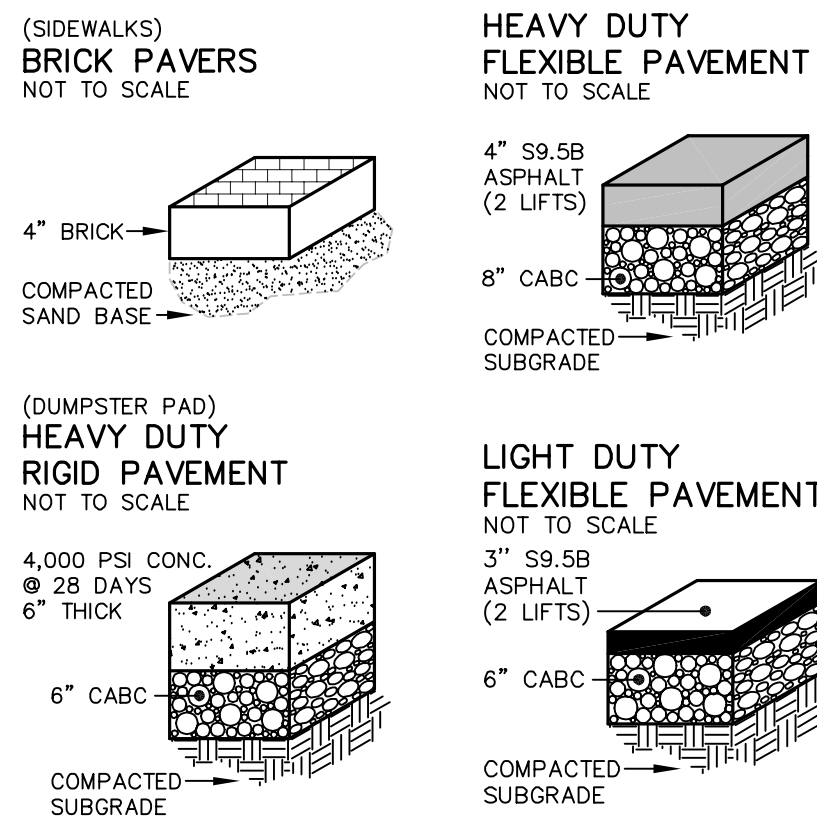
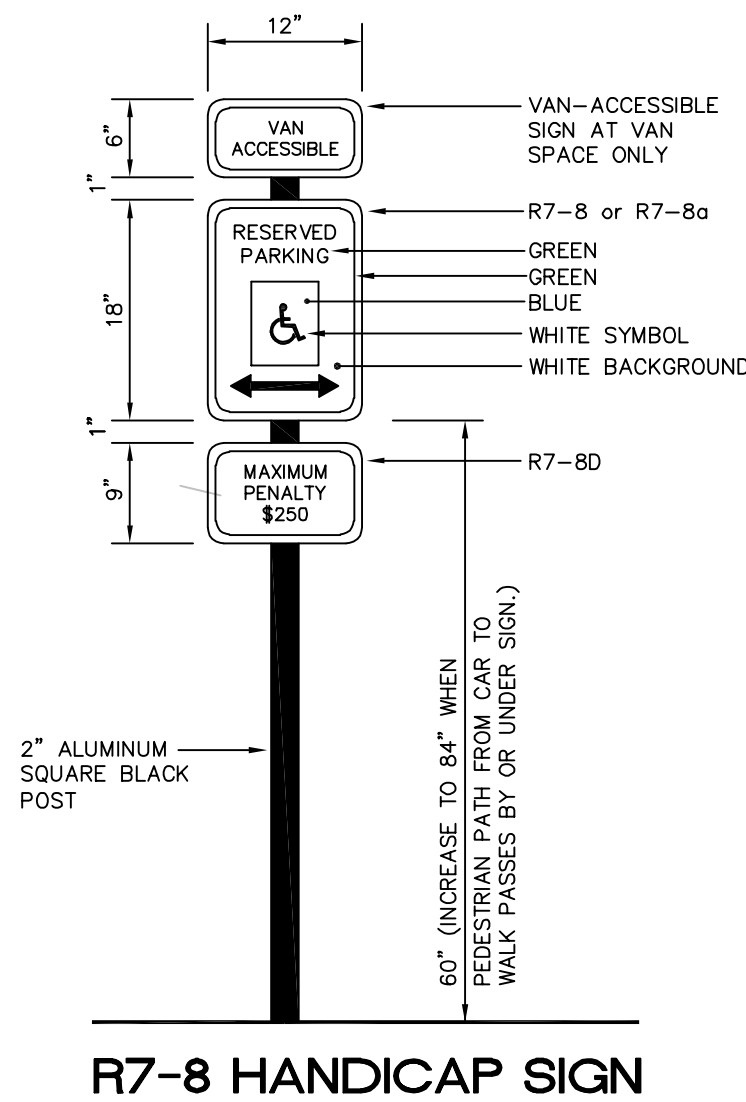


BREAK 111 - CASEWORK



2 BREAK 111
A7.1 1/4" = 1'-0"

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.								
Revisions <table><tr><td></td><td>Description</td><td>Date</td></tr><tr><td colspan="3"></td></tr></table>				Description	Date			
	Description	Date						
Date	Project No.							
06/28/2024	22038							
Drawn By	Sheet No.							
Author	A7.1							
Checked By								
Checker								
Sheet Title								
CASEWORK ELEVATIONS								



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OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
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GIVEN MEMORIAL LIBRARY
VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.		
Revisions	Description	Date
#		
Date	Project No.	
5/9/2024	22038	
Drawn By	Sheet No.	
RNL	A1.0	
Checked By	Checker	
Sheet Title SITE PLAN		

GENERAL	
1.	THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS (IF PROVIDED). SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
2.	DO NOT SCALE DIMENSIONS FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
3.	WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.
4.	WHERE A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS OCCURS THE MORE STRINGENT REQUIREMENT SHALL APPLY.
5.	IF ANY BIDDER IS IN DOUBT AS TO THE INTENT OF THE DRAWINGS OR SPECIFICATIONS, THEY SHALL REQUEST AN INTERPRETATION IN WRITING PRIOR TO THE SCHEDULED BID DATE.
6.	THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND GRADE CONDITIONS (BOTH NEW AND EXISTING), REPORTING ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
7.	THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
8.	SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, FLOOR SLOPES, AND THE LOCATION OF DEPRESSED FLOOR AREAS.

CONTRACTOR RESPONSIBILITY	
1.	THE STRUCTURAL DRAWINGS AND SPECIFICATIONS (IF PROVIDED) REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE FOLLOWED STRICTLY.
2.	THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS UNTIL THE STRUCTURAL WORK IS COMPLETE.
3.	ALL INTERIOR HANGING COMPONENTS (CEILING, DUCTWORK, PIPING, EQUIPMENT, ETC.) SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE LOADS APPLIED TO THE STRUCTURE DO NOT EXCEED THE LIMITS SHOWN IN THE DESIGN CRITERIA OR ELSEWHERE IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF THE CONNECTIONS TO THE SUPPORTING STRUCTURAL ELEMENTS AND THE ADEQUACY OF THE HANGING SYSTEM TO SUPPORT THE COMPONENTS.
4.	ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS, THAT FRAME TO THE UNDERSIDE OF STRUCTURE ABOVE, SHALL BE DETAILED AND FRAMED BY THE CONTRACTOR TO ALLOW FOR DEFLECTION OF THE STRUCTURAL FRAMING. SEE THE DESIGN CRITERIA FOR THE LIMITS USED IN THE DESIGN.
5.	PRINCIPAL OPENINGS IN THE STRUCTURE ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL REQUIRED OPENINGS. SUPPORT FRAMING FOR ALL OPENINGS SHALL BE PROVIDED AND INSTALLED PER TYPICAL DETAILS HEREIN WHETHER SHOWN ON THESE DRAWINGS OR NOT. THE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ALL SUBCONTRACTORS AND THEIR APPROVED SHOP DRAWINGS PRIOR TO CONSTRUCTION.
6.	ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS NOTED IN THE DESIGN CRITERIA.
7.	ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS ARE TO BE ATTACHED AS REQUIRED BY ASCE/SEI 7 CHAPTER 13. "SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS". EACH INDIVIDUAL CONTRACTOR RESPONSIBLE FOR THE COMPONENT MUST PROVIDE PROJECT SPECIFIC DESIGN AND DOCUMENTATION PREPARED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CHAPTER 13 DEFINES THE FORCE REQUIRED TO SUPPORT THE COMPONENT FOR THE ANCHORAGE AND BRACING. THE COST OF PREPARING THIS INFORMATION AND DESIGN SHALL BE INCLUDED IN EACH CONTRACTOR'S BID THAT IS PROVIDING THE COMPONENT.
8.	SEVERAL ITEMS NOTED HEREIN (WHERE CHECKED) AND IN THE SPECIFICATIONS REQUIRE THE CONTRACTOR TO ENGAGE A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, TO PROVIDE DESIGN AND/OR DETAILING OF STRUCTURAL ELEMENTS. SEE INDIVIDUAL NOTES AND SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. DELEGATED DESIGN ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO: ☐ SPECIALTY FOUNDATION SYSTEM ☐ POST-TENSIONED CONCRETE (LAYOUT AND STRESSING) ☐ STRUCTURAL PRECAST CONCRETE ☐ ARCHITECTURAL PRECAST CONCRETE ☐ STRUCTURAL STEEL (CONNECTIONS) ☐ PREFABRICATED METAL BUILDING ☐ STEEL STAIRS AND RAILINGS ☐ STEEL JOISTS AND STEEL JOIST GIRDERS ☐ ROOF ANCHORS ☐ NON-LOAD BEARING COLD-FORMED STEEL ☐ LOAD BEARING COLD-FORMED STEEL ☐ LIGHT GAUGE COLD-FORMED STEEL TRUSSES ☐ PREFABRICATED WOOD TRUSSES ☐ ANCHOR TIE-DOWN SYSTEM FOR WOOD SHEAR WALLS
9.	THIS PROJECT REQUIRES SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. SEE STATEMENT OF SPECIAL INSPECTIONS FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL COORDINATE WITH SPECIAL INSPECTOR ALL WORK REQUIRING SPECIAL INSPECTIONS AND TESTING.

DESIGN CRITERIA

1. PROJECT LOCATION: [STREET ADDRESS | CITY, STATE ZIP]

2. APPLICABLE CODES:

2018 NORTH CAROLINA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH REVISIONS)

MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-10)

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)

BUILDING CODE REQUIREMENTS|SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530|530.1-13)

SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10)

NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2015)

NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-12)

3. RISK CATEGORY:

II

4. DEFLECTION:

L/180 FOR TOTAL LOADING (2.00" FOR 30' SPAN), L/240 FOR LIVE LOADING (1.50" FOR 30' SPAN)

L/600 FOR LIVE LOADING (0.60" FOR 30' SPAN)

WIND, H/400 (USING V = 0 MPH AND MEAN RECURRENCE INTERVAL OF 50 YEARS)

SEISMIC, PER ASCE 7 12.12

5. LIVE LOADS:

UNIFORM (PSF)CONCENTRATED (LB)

READING ROOMS601,000

CORRIDORS (GROUND)1002,000

OFFICE65*2,000

PUBLIC AREAS, LOBBIES1002,000

ROOF20300

STACK ROOMS1501,000

* ADDITIONAL 15 PSF PARTITION LOAD INCLUDED

6. SNOW LOAD:

GROUND SNOW LOADp_g = 10 PSF

IMPORTANCE FACTORI_s = 1.00

SNOW EXPOSURE FACTORC_e = 0.00

THERMAL FACTORC_t = 0.00

FLAT SNOW ROOF LOADp_r = 0 PSF

7. WIND LOAD:

V = 116 MPH (ALLOWABLE STRESS DESIGN WIND SPEED, V_{add} = 90 MPH)

EXPOSURE CATEGORYB

INTERNAL PRESSURE COEFFICIENTS±0.18

BASE SHEAR (1.0xW)V_e = 61kV_l = 41k

COMPONENTS AND CLADDING -

ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS AS DETERMINED PER THE GOVERNING BUILDING CODE FOR THE ULTIMATE DESIGN WIND SPEED AND EXPOSURE CATEGORY LISTED ABOVE. ALTERNATIVELY, THE COMPONENT MANUFACTURER MAY USE THE WORST-CASE PRESSURES (PSF) BELOW:

ZONE	EFFECTIVE WIND AREA (SF)				
	10	50	100	500	
ROOF	1	+16	+16	+16	+16
		-16	-16	-16	-16
	2	+16	+16	+16	+16
		-16	-16	-16	-16
WALL	3	+16	+16	+16	+16
		-16	-16	-16	-16
	4	+16	+16	+16	+16
		-16	-16	-16	-16
	5	+16	+16	+16	+16
		-16	-16	-16	-16

8. SEISMIC LOAD:

DESIGN METHOD - EQUIVALENT LATERAL FORCE PROCEDURE

S_s23.5 %g

S₁10.1 %g

S_{0s}25.1 %g

S₀₁16.1 %g

IMPORTANCE FACTORI_s = 1.00

SITE CLASSD (ASSUMED)

SEISMIC DESIGN CATEGORYC

SEISMIC FORCE-RESISTING SYSTEM -

LIGHT-FRAME (COLD-FORMED STEEL) WALL SYSTEMS USING FLAT STRAP BRACING

RESPONSE MODIFICATION COEFFICIENTR_m = R_e = 4

DEFLECTION AMPLIFICATION FACTORC_{dx} = C_{dy} = 3.5

SEISMIC RESPONSE COEFFICIENTC_{sa} = C_{sb} = 0.063

BASE SHEAR (1.0xV)V_e = V_l = 31k

9. FUTURE LOADS:

UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.

FOUNDATIONS	
1.	[REPORT REQUIRED FOR AREAS LIKELY TO HAVE EXPANSIVE SOIL, GREATER THAN 12" OF COMPACTED FILL, OR IN A SDC GREATER THAN B] FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT BY: [FIRM], DATED [MONTH] [DAY], [YEAR] (PROJECT #No) THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE IS X,XXX PSF BASED ON THIS REPORT.
2.	ALL RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS NOTED ON THE DRAWINGS MUST BE FOLLOWED IN PREPARATION OF THE SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL OBTAIN THE REPORT FROM THE OWNER AND BE FAMILIAR WITH THE RECOMMENDATIONS CONTAINED THEREIN PRIOR TO THE START OF CONSTRUCTION. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFER FROM THOSE DESCRIBED IN THE REPORT, THE OWNER SHALL NOTIFY THE GEOTECHNICAL ENGINEER OF RECORD SO THE RECOMMENDATIONS CAN BE REEVALUATED.
3.	[DELETE IF NOT APPLICABLE] GROUNDWATER IS ASSUMED TO POSE AN ISSUE DURING CONSTRUCTION BASED ON THE INFORMATION NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS ASSOCIATED WITH DEWATERING DURING CONSTRUCTION AS REQUIRED TO PERFORM THEIR WORK.
4.	[DELETE IF #1-#2 ARE APPLICABLE; REQUIREMENTS FOR #4 ARE SPECIFIC TO NCSBC] FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE NET ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF, ACCORDING TO TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE. THIS PRESUMPTIVE BEARING PRESSURE MUST BE FIELD VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION CONCRETE PLACEMENT. THE STRUCTURE AND SITE SATISFY THE FOLLOWING CRITERIA FOR THE USE OF TABLE 1806.2: COLUMN LOADS ARE LESS THAN 50 KIPS, WALL LOADS ARE LESS THAN 3 KLF, AND FINISHED GRADES DO NOT DIFFER FROM NATURAL GRADE BY MORE THAN 5 FEET.
5.	FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE GEOTECHNICAL ENGINEER OR TESTING LAB TO REACH SOIL CAPABLE OF PROVIDING THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE. ALL EXPANSIVE AND/OR LOOSE SOILS BELOW STRUCTURAL FOUNDATIONS SHALL BE REMOVED AND REPLACED AS DIRECTED HEREIN.
6.	MINIMUM SUBGRADE PREPARATION REQUIREMENTS ARE AS FOLLOWS: 1. PREPARE SUBGRADE AND UNDERLOOR FILL TO A POINT THAT EXTENDS 3'-0" (MINIMUM) BEYOND THE LIMITS OF THE FOUNDATIONS. 2. COMPACT ALL FILL UNDER BUILDING TO 98% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. 3. PLACE IN LIFTS OF 8" (MAXIMUM) LOOSE THICKNESS WHEN USING LARGE RIDING COMPACTORS (REDUCE THICKNESS AS NECESSARY FOR SMALLER EQUIPMENT). 4. SLABS ON GRADE SHALL BE SUPPORTED ON A BASE LAYER OF POROUS FILL (WASHED STONE OR CLEAN SAND) WITH A MINIMUM THICKNESS OF 4".
7.	FIELD COMPACTION SHALL BE VERIFIED WITH AT LEAST ONE TEST PER 2,000 SQUARE FEET PER LIFT (AT LEAST ONE PER LIFT), IN ACCORDANCE WITH ASTM D1556 (SAND-CONE METHOD), ASTM D6938 (NUCLEAR METHODS, SHALLOW DEPTH), ASTM D2167 (RUBBER BALLOON METHOD), AND/OR ASTM D2937 (DRIVE-CYLINDER METHOD). SEE SPECIFICATIONS FOR OTHER TESTING REQUIREMENTS.
8.	WALLS RETAINING SOIL SHALL BE TEMPORARILY BRACED DURING BACKFILLING AND UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND ARE AT DESIGN STRENGTH UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
9.	WALLS RETAINING SOIL HAVE BEEN DESIGNED UTILIZING THE FOLLOWING PARAMETERS: MOIST SOIL UNIT WEIGHT120 PCF ACTIVE PRESSURE COEFFICIENT0.33 AT-REST PRESSURE COEFFICIENT0.55 PASSIVE PRESSURE COEFFICIENT2.50 COEFFICIENT OF FRICTION0.35
10.	UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL SUCH CONDITIONS PRIOR TO CONSTRUCTION.

CONCRETE REINFORCING STEEL	
1.	ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2.	CONCRETE MIXTURES AS REQUIRED (BASED ON CLASS DESIGNATION): CLASS A - FOOTINGS, GRADE/TIE BEAMSNWC3,000 PSI CLASS B - FOUNDATION WALLS, PEDESTALSNWC4,500 PSI CLASS C - INTERIOR SLABS ON GRADENWC3,000 PSI CLASS D - INTERIOR NWC SLABS ON METAL DECKNWC4,000 PSI CLASS E - INTERIOR LWC SLABS ON METAL DECKLWC4,000 PSI CLASS F - EXTERIOR SLABS ON GRADE, PADS, TOPPINGSNWC4,500 PSI CLASS G - BUILDING SLABS, BEAMSNWC5,000 PSI CLASS H - BUILDING WALLS, COLUMNSNWC4,000 PSI CLASS I - INTERIOR METAL PAN STAIRS/LANDINGSNWC2,500 PSI CLASS J - EXTERIOR RETAINING WALLSNWC4,500 PSI
3.	REINFORCING: TYPICAL - ASTM A615, GRADE 60 REINFORCING TO BE WELDED - ASTM A706 DEFORMED BAR ANCHORS - ASTM A496 WELDED WIRE FABRIC - ASTM A1064 (FLAT SHEETS ONLY)
4.	GROUT UNDER BASE PLATES TO BE HIGH STRENGTH (5,000 PSI), NON-SHRINK.
5.	REFER TO THE DRAWINGS FOR REINFORCING LAP REQUIREMENTS. WHERE LAP SPLICES ARE NOT SHOWN, LAP PER ACI 318 OR CRSI STANDARDS.
6.	LAP WELDED WIRE FABRIC SHEETS 8" MINIMUM.
7.	CLEAR COVER FROM FACE OF CONCRETE: CAST IN PLACE CONCRETE (MEASURE TO OUTERMOST REINFORCING) - CONCRETE CAST AGAINST AND EXPOSED TO EARTH3" CONCRETE EXPOSED TO EARTH/WEATHER2" FOR #6 BARS AND LARGER, 1 1/2" ELSE CONCRETE NOT EXPOSED TO EARTH/WEATHER3/4" FOR SLABS AND WALLS, 1 1/2" (TO TIES) FOR BEAMS AND COLUMNS POST-TENSIONED CONCRETE (MEASURE TO OUTERMOST REINFORCING) - CONCRETE CAST AGAINST AND EXPOSED TO EARTH3" CONCRETE EXPOSED TO EARTH/WEATHER1" FOR SLABS AND WALLS, 1 1/2" ELSE CONCRETE NOT EXPOSED TO EARTH/WEATHER3/4" FOR SLABS AND WALLS1" (TO TIES) AND 1 1/2" (TO MAIN BARS) FOR BEAMS AND COLUMNS
8.	PROVIDE REINFORCING IN SLABS ON GRADE, 1-1/2" FROM TOP OF SLAB: 4" SLABS6x6-W2.1xW2.1 5" SLABS6x6-W2.9xW2.9 6" SLABS#3@12"OC EACH WAY 8" SLABS#4@12"OC EACH WAY
9.	WHERE SCHEDULED BARS ARE NOT PRESENT, PROVIDE CONTINUOUS #5 TOP AND BOTTOM BARS TO SUPPORT STIRRUPS AS REQUIRED FOR THE LENGTH OF THE STIRRUP SPACING IN ALL BEAMS.
10.	WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ADJACENT COLUMN FOOTINGS.
11.	PROVIDE VERTICAL DOVETAIL SLOTS AT 24"OC WITH TIES AT 16"OC VERTICALLY IN ALL CONCRETE WALLS BACKING-UP MASONRY VENEER.
12.	BAR SUPPORTS FOR CONCRETE EXPOSED TO VIEW SHALL HAVE PLASTIC COATED LEGS OR BE HOT-DIP GALVANIZED AFTER FABRICATION.
13.	MECHANICAL AND ELECTRICAL CONDUIT IN SLABS ON GRADE SHALL RUN UNDER TOP LAYER OF SLAB REINFORCING. PROVIDE A MINIMUM OF 1-1/2" CLEAR BETWEEN INDIVIDUAL CONDUITS AND REINFORCING. IF MAXIMUM SIZE OF CONDUIT EXCEEDS ONE THIRD OF THE SLAB DEPTH, ADDITIONAL FRAMING OR REINFORCING MAY BE NECESSARY AT ENGINEER'S DISCRETION.
14.	MECHANICAL AND ELECTRICAL CONDUIT IN ELEVATED SLABS IS NOT ALLOWED UNLESS SPECIFICALLY REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT.
15.	HEADED CONCRETE ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A108, GRADES 1010, 1015, 1017, OR 1020. STUDS SHALL BE AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
16.	EMBED PLATES MUST BE SET IN THE FORM BEFORE POURING CONCRETE, NOT PLACED INTO TOP OF WET CONCRETE. THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CORRECTIVE DETAILS FOR ANY EMBED PLATES LEFT OUT OF CONCRETE POURS.
17.	FOR SLABS ON GRADE, SLAB AND FOOTING REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS WITH SAND PLATES, OR PRECAST CONCRETE BAR SUPPORTS AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED AT A MAXIMUM OF 4'-0"OC BOTH WAYS. ROCKS, CMU, OR CLAY BRICK WILL NOT BE USED AS SUPPORTS.
18.	THE CONTRACTOR SHALL ASSUME CONCRETE OVERAGES IN ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS, UNLESS SHOWN ON PLANS. BEAMS ARE NOT CAMBERED. CONCRETE OVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING L/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER SDI.
19.	REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
20.	THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.

CONCRETE CONSTRUCTION JOINTS	
1.	CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
2.	THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.		
Revisions		
#	Description	Date
Date Issued	Project No. 22038	
Drawn By VNA	Sheet No.	
Checked By MBC	S0.1	
Sheet Title		
GENERAL NOTES		

STRUCTURAL STEEL	
1.	DESIGN, FABRICATION, AND ERECTION SHALL BE PER THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 360).
2.	STRUCTURAL STEEL MATERIALS: WIDE FLANGE SHAPES (W SECTIONS) - ASTM A992, GRADE 50 (FY=50 KSI) CHANNELS AND ANGLES - ASTM A36 (FY=36 KSI) PLATES AND BARS - ASTM A36 (FY=36 KSI) OR ASTM A572, GRADE 50 (FY=50 KSI) AS INDICATED ON THE DRAWINGS. SQUARE AND RECTANGULAR TUBES - ASTM A500, GRADE B (FY=46 KSI) PIPES OR ROUND TUBES - ASTM A53, GRADE B (FY=35 KSI) OR ASTM A500, GRADE B (FY=42 KSI)
3.	A QUALIFIED FABRICATOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE IN FABRICATING STRUCTURAL STEEL LIKE THAT INDICATED FOR THIS PROJECT AND SUFFICIENT CAPACITY TO FABRICATE THE STRUCTURAL STEEL WITHOUT DELAYING THE WORK, AND SHALL MEET ONE OF THE FOLLOWING: A. FABRICATOR PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED PLANT, CATEGORY (BU) OR IS ACCREDITED BY THE IAS FABRICATOR INSPECTION PROGRAM FOR STRUCTURAL STEEL (ACCREDITATION CRITERIA 172). B. FABRICATOR HAS AN ESTABLISHED AND MAINTAINED QUALITY CONTROL PROGRAM TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS IN ANSI/AISC 303, ANSI/AISC 360, AND THE CONTRACT DOCUMENTS. PROGRAM SHALL AT A MINIMUM ADDRESS INSPECTION OF THE ITEMS NOTED IN ANSI/AISC 360 N2.
4.	A QUALIFIED ERECTOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE IN ERECTING STRUCTURAL STEEL LIKE THAT INDICATED FOR THIS PROJECT AND SUFFICIENT CAPACITY TO ERECT THE STRUCTURAL STEEL WITHOUT DELAYING THE WORK, AND SHALL MEET ONE OF THE FOLLOWING: A. ERECTOR PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED ERECTOR, CATEGORY (CSE). B. ERECTOR HAS AN ESTABLISHED AND MAINTAINED QUALITY CONTROL PROGRAM TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS IN ANSI/AISC 303, ANSI/AISC 360, AND THE CONTRACT DOCUMENTS. PROGRAM SHALL AT A MINIMUM ADDRESS INSPECTION OF THE ITEMS NOTED IN ANSI/AISC 360 N2.
5.	BEAM SIMPLE SHEAR, BRACED FRAME, AND ALL MOMENT CONNECTIONS NOT DETAILED ON STRUCTURAL DRAWINGS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE STEEL SUPPLIER AND REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. THE CONNECTION ENGINEER SHALL SUBMIT A SIGNED AND SEALED LETTER STATING THEY HAVE REVIEWED THE STEEL SHOP DRAWINGS AND THE CONNECTIONS ARE CONSISTENT WITH THEIR CALCULATIONS AND INTENT.
6.	THE CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR REACTIONS SHOWN ON DRAWINGS OR FOR REACTIONS DETERMINED BY USING THE MAXIMUM TOTAL UNIFORM LOAD TABULATED IN PART 3 OF THE AISC STEEL CONSTRUCTION MANUAL FOR THE SECTION, SPAN, AND STRENGTH OF STEEL SPECIFIED. THE CONNECTIONS FOR COMPOSITE BEAMS SHALL BE DESIGNED FOR REACTIONS SHOWN ON DRAWINGS OR AS DICTATED BY THE TYPICAL COMPOSITE SLAB DETAIL.
7.	SIMPLE SHEAR CONNECTIONS SHALL BE MADE WITH ASTM A325 3/4"Ø BOLTS (MINIMUM), TIGHTENED TO A SNUG-TIGHT CONDITION PER AISC REQUIREMENTS.
8.	ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE. USE E70 SERIES ELECTRODES FOR ALL STRUCTURAL STEEL WELDS. WHERE STEEL MEMBERS ARE WELDED AND NO SIZE IS SPECIFIED, PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF MEMBER. SIZE OF FILLETS SHALL BE 3/16" FOR MEMBER THICKNESS UP TO 5/16", AND THE MEMBER THICKNESS MINUS 3/16" FOR ALL THICKER MATERIALS.
9.	ANCHOR AND THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36, 55, OR 105 AS INDICATED ON THE DRAWINGS. CONTRACTOR TO COORDINATE INSTALLATION OF ITEMS TO BE EMBEDDED IN OR ATTACHED TO OTHER CONSTRUCTION WITHOUT DELAYING THE WORK.
10.	STEEL SHALL BE PRIMED WITH FABRICATOR'S STANDARD LEAD- AND CHROMATE-FREE, NON-ASPHALTIC, RUST-INHIBITTING PRIMER COMPLYING WITH MPI#79 (MINIMUM COAT OF 3 MILS, MAXIMUM OF 5 MILS). CONTRACTOR TO COORDINATE SELECTION OF PRIMER WITH TOPCOATS TO BE APPLIED TO ENSURE THE TWO ARE COMPATIBLE. MEMBERS TO RECEIVE FIREPROOFING OR TO BE ENCASED IN CONCRETE SHALL NOT BE PRIMED.
11.	SEE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL ITEMS REQUIRED TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
12.	STRUCTURAL STEEL SHALL BE PUNCHED FOR WOOD BLOCKING, NAILERS, CLIPS AND TIES IN ACCORDANCE WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
13.	CAP ALL OPEN HSS OR PIPE MEMBERS OUTSIDE THE BUILDING ENVELOPE WITH A 1/4" (MINIMUM) FITTED PLATE, UNO.
14.	ERECTOR SHALL SET STRUCTURAL STEEL IN LOCATIONS AND TO ELEVATIONS IN ACCORDANCE WITH ANSI/AISC 303 AND 360. MAINTAIN THE FRAME WITHIN ERECTION TOLERANCES PER ANSI/AISC 303.
15.	PROMPTLY PACK SHRINKAGE-RESISTANT GROUT SOLIDLY BETWEEN BEARING SURFACES AND PLATES SO NO VOIDS REMAIN.
16.	SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ENGINEER AS TO LOCATION AND TYPE OF SPLICE TO BE MADE. ANY MEMBER HAVING A SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED. THERMAL CUTTING MAY NOT BE USED IN THE FIELD DURING ERECTION.
17.	QUALITY CONTROL INSPECTION TASKS SHALL BE PERFORMED BY BOTH THE FABRICATOR AND ERECTOR IN ACCORDANCE WITH ANSI/AISC 360 N5. NON-DESTRUCTIVE TESTING (NDT) OF WELDED JOINTS PROVIDED DURING FABRICATION SHALL BE IN ACCORDANCE WITH N5.5 AND PERFORMED BY AN INDEPENDENT AND QUALIFIED TESTING AGENCY OR THE FABRICATOR'S QCI. ALL TESTING REPORTS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.
18.	AT THE COMPLETION OF FABRICATION AND ERECTION, THE FABRICATOR AND ERECTOR SHALL EACH SUBMIT A CERTIFICATE OF COMPLIANCE TO THE OWNER STATING THE MATERIALS SUPPLIED AND WORK PERFORMED ARE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
19.	NON-DESTRUCTIVE TESTING (NDT) OF WELDED JOINTS PROVIDED DURING ERECTION SHALL BE IN ACCORDANCE WITH N5.5 AND PERFORMED BY AN INDEPENDENT AND QUALIFIED TESTING AGENCY. ALL TESTING REPORTS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.
20.	ALL STEEL EXPOSED TO VIEW SHALL BE CLASSIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) AS DEFINED BY ANSI/AISC 303 AND SHALL BE TREATED AS SUCH.

LOAD BEARING COLD-FORMED STEEL (METAL STUDS)	
1.	ALL STRUCTURAL MEMBERS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REFERENCED EDITION OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE.
2.	ALL COLD-FORMED LIGHT GAUGE METAL FRAMING AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER. ALL METAL STUDS, JOISTS, AND ACCESSORIES SHALL BE MADE OF THE MINIMUM TYPE, SIZE, GAUGE, AND SPACING SHOWN ON DRAWINGS. AT ARCHITECT'S OR ENGINEER'S REQUEST CONTRACTOR SHALL SUBMIT CALCULATIONS FOR ALL COLD-FORMED METAL FRAMING USED TO SUPPORT CEILINGS.
3.	MINIMUM YIELD STRENGTH (FY) FOR STUDS IS 33 KSI FOR 18 GA (43 MILS) AND 20 GA (33 MILS) MATERIALS, AND 50 KSI FOR 12 GA (97 MILS), 14 GA (68 MILS), AND 16 GA (54 MILS) MATERIALS.
4.	ALL THE COLD-FORMED STEEL STRUCTURAL MEMBERS SHALL COME FROM A SINGLE SOURCE MANUFACTURER. ONLY MANUFACTURERS WHO ARE MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) OR THE STEEL FRAMING INDUSTRY ASSOCIATION (SFIA) WILL BE ACCEPTED. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
5.	SUBMIT SHOP DRAWINGS FOR ALL COLD-FORMED METAL FRAMING. SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, GAUGE, NUMBER, LOCATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
6.	SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS FOR ALL WELDED CONNECTIONS AND TYPE, SIZE AND NUMBER OF SCREWS FOR ALL SCREWED CONNECTIONS. SUBMIT MANUFACTURER'S DATA GIVING STRENGTH VALUES FOR SCREWS USED.
7.	SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVISION OF AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
8.	ALL STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653 AND C955. ALL ACCESSORIES SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI.
9.	A MINIMUM LENGTH OF 10" OF UNPUNCHED STEEL IS REQUIRED AT BOTH ENDS OF STUDS. NO PUNCHING HOLES OF ANY SIZE IS PERMITTED IN THESE 10". NO CUTTING OF THE STUD FLANGE IS PERMITTED.
10.	LOAD BEARING WALLS MAY BE PRE-FABRICATED OFFSITE IN A PRE-PANELIZATION SHOP IN A CONTROLLED ENVIRONMENT WITH A CERTIFIED QUALITY CONTROL PROGRAM. THE FACILITY MUST HAVE A MINIMUM OF 2 YEARS OF OPERATION EXPERIENCE.
11.	THE PANELIZER MUST SUBMIT FULLY DIMENSIONED WALL PANEL SHOP DRAWINGS OF EACH INDIVIDUAL WALL PANEL WITH THE MATERIALS EXPLICITLY CALLED OUT, AS WELL AS A FULLY DIMENSIONED PANEL LAYOUT DRAWING LOCATING EACH PANEL. THESE DRAWINGS MUST BE SUBMITTED FOR APPROVAL, AND WALL PANEL CONSTRUCTION SHALL NOT BEGIN UNTIL THE ENGINEER'S APPROVAL IS RECEIVED.
12.	WALL PANELS MUST BE FABRICATED IN SHOP OR IN FIELD WITH WELDED CONNECTIONS. FIELD WELDING OF MATERIALS LESS THAN 18 GA (43 MILS) SHALL NOT BE PERMITTED. WELDS SHALL BE PERFORMED BY OPERATORS QUALIFIED IN ACCORDANCE WITH SECTION 6.0 OF THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S "STRUCTURAL WELDING CODE - SHEET STEEL" (AWS D1.3).
13.	BOTH STUD FLANGES SHALL BE ATTACHED TO THE TOP AND BOTTOM TRACK WITH A 1" MINIMUM LENGTH OF WELD AT BEARING WALLS AND (2)#10 SCREWS EACH SIDE AT NON-LOAD BEARING WALLS.
14.	ALL WELDS SHALL BE TOUCHED UP WITH ZINC-RICH PAINT.
15.	SPLICES IN STUDS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
16.	STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB TOP AND BOTTOM. STUDS MUST BE CUT SQUARE. THE PANELIZATION FACILITY MUST UTILIZE A COMPRESSION MECHANIZATION IN THEIR JIGS (HYDRAULIC RAMS) TO FULLY SEAT THE STUDS IN THE TRACK PRIOR TO WELDING.
17.	MULTIPLE STUD "COLUMNS" SHALL BE WELDED TOGETHER IN GROUPS OF AT LEAST TWO STUDS WITH 2" WELD TOP AND BOTTOM AND 1" WELD AT 24"OC BOTH SIDES IN BETWEEN.
18.	TRACK SPLICES WITHIN A PANEL/WALL MUST BE SECURELY ANCHORED TO A COMMON ELEMENT (I.E. STUD, HEADER, ETC.), BUTT-WELDED TOGETHER, OR SPLICED WITH STUD MATERIAL SECURELY FASTENED TO TRACK ON BOTH SIDES OF SPLICE.
19.	LIGHT GAUGE STRAPS ON BOTH SIDES OF THE WALL ARE REQUIRED TO PROVIDE SHEAR RESISTANCE FOR SHEAR WALL FRAMING.
20.	LATERAL BRIDGING SHALL BE USED TO RESIST TORSIONAL FORCES IN THE METAL STUDS. BRIDGING SHALL BE 2 1/2"-18 GA (43 MILS) FLAT STRAPS, SCREW ATTACHED TO BOTH FLANGES OF EACH STUD WITH SOLID BLOCKING REQUIRED AT 8"OC (MAX) AND ADJACENT TO EACH OPENING. BLOCKING MAY BE MADE FROM MATCHING GAUGE STUDS ATTACHED WITH 16 GA (54 MILS) CLIP ANGLES WITH (2)#10 SCREWS INTO EACH FLANGE.
21.	ACCEPTABLE BRIDGING ALTERNATE IS COLD-FORMED CHANNELS (1 1/2" CHANNEL IN 3 5/8" OR 4" STUDS AND 2 1/2" CHANNEL IN 6" STUDS) WELDED TO THE OUTER EDGE OF PUNCHOUTS WITH 1/4" MINIMUM WELD.
22.	BRIDGING IS TO BE PLACED AT NO MORE THAN 4'-0"OC VERTICALLY.
23.	INSTALL DOUBLE STUDS AT EVERY INTERRUPTION (I.E. PLUMBING CHASES, ETC.).
24.	MINIMUM TRACK FASTENINGS SHALL BE 0.138"Ø POWDER ACTUATED FASTENERS (PAFs) SPACED 12"OC FOR BEARING WALLS AND 16"OC FOR NON-LOAD BEARING WALLS (UNO), WITH 1 1/4" MINIMUM PENETRATION INTO CONCRETE. AT STRAP WALLS, TRACK FASTENINGS SHALL BE SPACED 3"OC (MINIMUM UNO).
25.	VOIDS BENEATH TRACK SHALL NOT BE PERMITTED. CONTRACTOR SHALL PROVIDE A LEVEL SLAB WITHIN ACI 117 TOLERANCES. WHERE UNEVENNESS OF SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING, PANEL OR TRACK SHALL BE LEVELED BY PLACING MORTAR OR GROUT BENEATH TRACK.
26.	HEADERS SHALL BE CONSTRUCTED OF UNPUNCHED STUDS. SHEAR SHALL BE TRANSFERRED BY FULL BEARING ON JACK STUDS OR BY SHEAR PLATES. SHEAR PLATES SHALL BE 16 GA (54 MILS) MINIMUM.
27.	CUTTING OF LOAD BEARING STUDS, TRACK, OR STRAPPING IS NOT PERMITTED WITHOUT SPECIFIC APPROVAL FROM THE ENGINEER OF RECORD.
28.	MULTIPLE STUD COLUMNS WITHOUT LATERAL BRACING MUST BE 12 GA (97 MILS) MINIMUM, REGARDLESS OF GAUGES INDICATED ON FRAMING PLANS.
29.	REFER TO ARCHITECTURAL PLANS FOR NON-LOAD BEARING WALLS AND TO VERIFY ALL DIMENSIONS SHOWN FOR LOAD BEARING WALLS.

NON-LOAD BEARING COLD-FORMED STEEL (METAL STUDS)	
1.	ALL STRUCTURAL MEMBERS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REFERENCED EDITION OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE.
2.	ALL METAL STUDS, HEADERS, AND ACCESSORIES SHALL BE MADE OF THE MINIMUM TYPE, SIZE, GAUGE, AND SPACING SHOWN ON DRAWINGS.
3.	MINIMUM YIELD STRENGTH (FY) FOR STUDS IS 33 KSI FOR 18 GA (43 MILS) AND 20 GA (33 MILS) MATERIALS, AND 50 KSI FOR 12 GA (97 MILS), 14 GA (68 MILS), AND 16 GA (54 MILS) MATERIALS.
4.	ALL THE COLD-FORMED STEEL STRUCTURAL MEMBERS SHALL COME FROM A SINGLE SOURCE MANUFACTURER. ONLY MANUFACTURERS WHO ARE MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) OR THE STEEL FRAMING INDUSTRY ASSOCIATION (SFIA) WILL BE ACCEPTED. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
5.	SUBMIT SHOP DRAWINGS FOR ALL COLD-FORMED METAL FRAMING USED TO SUPPORT CEILINGS AND EXTERIOR CLADDING. SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, GAUGE, NUMBER, LOCATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
6.	SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS FOR ALL WELDED CONNECTIONS AND TYPE, SIZE AND NUMBER OF SCREWS FOR ALL SCREWED CONNECTIONS. SUBMIT MANUFACTURER'S DATA GIVING STRENGTH VALUES FOR SCREWS USED.
7.	ALL STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653 AND C955. ALL ACCESSORIES SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI.
8.	A MINIMUM LENGTH OF 10" OF UNPUNCHED STEEL IS REQUIRED AT BOTH ENDS OF STUDS. NO PUNCHING HOLES OF ANY SIZE IS PERMITTED IN THESE 10". NO CUTTING OF THE STUD FLANGE IS PERMITTED.
9.	BOTH STUD FLANGES SHALL BE ATTACHED TO THE TOP AND BOTTOM TRACK WITH (2)#10 SCREWS EACH SIDE.
10.	SPLICES IN STUDS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
11.	MULTIPLE STUD "COLUMNS" SHALL BE WELDED TOGETHER IN GROUPS OF AT LEAST TWO STUDS WITH 2" WELD TOP AND BOTTOM AND 1" WELD AT 24"OC BOTH SIDES IN BETWEEN.
12.	TRACK SPLICES WITHIN A PANEL/WALL MUST BE SECURELY ANCHORED TO A COMMON ELEMENT (I.E. STUD, HEADER, ETC.), BUTT-WELDED TOGETHER, OR SPLICED WITH STUD MATERIAL SECURELY FASTENED TO TRACK ON BOTH SIDES OF SPLICE.
13.	LATERAL BRIDGING SHALL BE USED TO RESIST TORSIONAL FORCES IN THE METAL STUDS. BRIDGING SHALL BE 2 1/2"-18 GA (43 MILS) FLAT STRAPS, SCREW ATTACHED TO BOTH FLANGES OF EACH STUD WITH SOLID BLOCKING REQUIRED AT 8"OC (MAX) AND ADJACENT TO EACH OPENING. BLOCKING MAY BE MADE FROM MATCHING GAUGE STUDS ATTACHED WITH 16 GA (54 MILS) CLIP ANGLES WITH (2)#10 SCREWS INTO EACH FLANGE.
14.	ACCEPTABLE BRIDGING ALTERNATE IS COLD-FORMED CHANNELS (1 1/2" CHANNEL IN 3 5/8" OR 4" STUDS AND 2 1/2" CHANNEL IN 6" STUDS) WELDED TO THE OUTER EDGE OF PUNCHOUTS WITH 1/4" MINIMUM WELD.
15.	BRIDGING IS TO BE PLACED AT NO MORE THAN 4'-0"OC VERTICALLY.
16.	INSTALL DOUBLE STUDS AT EVERY INTERRUPTION (I.E. PLUMBING CHASES, ETC.).
17.	MINIMUM TRACK FASTENINGS SHALL BE 0.138"Ø POWDER ACTUATED FASTENERS (PAFs) SPACED 16"OC FOR WALLS (UNO), WITH 1 1/4" MINIMUM PENETRATION INTO CONCRETE.
18.	VOIDS BENEATH TRACK SHALL NOT BE PERMITTED. CONTRACTOR SHALL PROVIDE A LEVEL SLAB WITHIN ACI 117 TOLERANCES. WHERE UNEVENNESS OF SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING, PANEL OR TRACK SHALL BE LEVELED BY PLACING MORTAR OR GROUT BENEATH TRACK.
19.	VERTICAL DEFLECTION CLIPS ARE REQUIRED TO BE CAPABLE OF ACCOMMODATING UPWARD AND DOWNWARD VERTICAL DISPLACEMENT OF THE STRUCTURE THROUGH POSITIVE MECHANICAL ATTACHMENT TO STUD WEB. MECHANICAL ATTACHMENT TO STRUCTURE AND SCREW ATTACHMENT TO STUD WEB USING STEP-BUSHINGS TO PERMIT FRICTIONLESS VERTICAL MOVEMENT. CONNECTORS TO BE TESTED IN ACCORDANCE TO ICC AC621 CRITERIA AND HOLD A VALID ICC-ES EVALUATION SERVICE REPORT TO BE ACCEPTABLE.
20.	HEADERS SHALL BE CONSTRUCTED OF UNPUNCHED STUDS. SHEAR SHALL BE TRANSFERRED BY FULL BEARING ON JACK STUDS OR BY SHEAR PLATES. SHEAR PLATES SHALL BE 16 GA (54 MILS) MINIMUM.
21.	REFER TO ARCHITECTURAL PLANS FOR NON-LOAD BEARING WALLS.

LIGHT GAUGE COLD-FORMED STEEL TRUSSES	
1.	ALL TRUSSES AND STRUCTURAL MEMBERS SHALL CONFORM TO THE REFERENCED BUILDING CODE AND SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REFERENCED EDITION OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE.
2.	ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM LOADS: TOP CHORD DL = 10 PSF (AT ROOF) LL = SEE DESIGN CRITERIA BOTTOM CHORD DL = 10 PSF DL = 250 LB AT ANY POINT (NPPA-13)
3.	TRUSS SUPPLIER SHALL CALCULATE UPLIFT LOADS BASED ON THE WIND LOAD CRITERIA LISTED IN THESE GENERAL NOTES. AT A MINIMUM THE TRUSSES SHALL BE DESIGNED FOR A NET WIND UPLIFT LOAD OF -- PSF UNLESS NOTED OTHERWISE.
4.	GABLE END WALL TRUSSES SHALL BE DESIGNED FOR THE COMPONENTS AND CLADDING LOADS OF -- PSF. DEFLECTION OF THE VERTICAL SUPPORT MEMBERS SHALL BE LESS THAN L/360. SUPPLY BRACING AS REQUIRED FOR LOADS AND DEFLECTION. SEALED CALCULATIONS SHALL BE PROVIDED BY THE TRUSS ENGINEER FOR ALL GABLE END WALL TRUSSES.
5.	ALL STEEL SHALL CONFORM TO ASTM A446 WITH G-60 GALVANIZING.
6.	ALL REQUIRED BRIDGING SHALL BE DESIGNED AND SUPPLIED BY THE TRUSS MANUFACTURER.
7.	SUBMIT SHOP DRAWINGS FOR ALL COLD-FORMED STEEL TRUSSES. SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, GAUGE, NUMBER, LOCATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
8.	SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS FOR ALL WELDED CONNECTIONS AND TYPE, SIZE AND NUMBER OF SCREWS FOR ALL SCREWED CONNECTIONS. SUBMIT MANUFACTURER'S DATA GIVING STRENGTH VALUES FOR SCREWS USED.
9.	SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVISION OF AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
10.	ALL LIGHT GAUGE COLD-FORMED STEEL TRUSSES AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER.
11.	TEMPORARY BRACING, WHERE REQUIRED, SHALL BE PROVIDED UNTIL THE ERECTION IS COMPLETE.

SHEATHING	
1.	ALL SHEATHING SHALL BE PLYWOOD OR OSB. ALL PLYWOOD SHEATHING, DIAPHRAGMS, AND SHEAR WALL PANELS SHALL CONFORM TO U.S. PRODUCT STANDARD PS-1-07 WITH EXTERIOR GLUE. ALL OSB SHEATHING, DIAPHRAGMS, AND SHEAR WALL PANELS SHALL CONFORM TO U.S. PRODUCT STANDARD PS-2-04. A. WALL SHEATHING SHALL BE 7/16" EXTERIOR GRADE (SPAN RATING 24/16) UNO IN SHEAR WALL SCHEDULE. B. ROOF SHEATHING SHALL BE 19/32" EXTERIOR GRADE (SPAN RATING 40/20). C. FLOOR SHEATHING SHALL BE 23/32" EXPOSURE 1 TONGUE & GROOVE (SPAN RATING 48/24).
2.	SHEATHING SHEETS SHALL BE LAID WITH LONG DIMENSION PERPENDICULAR TO THE SUPPORTING FRAMING.
3.	PREPARE SHEATHING PER GYPCRETE MANUFACTURER'S REQUIREMENTS BEFORE CASTING GYPCRETE.

ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS	
1.	ANCHOR BOLTS, REINFORCING STEEL, THREADED RODS, STAIR HANDRAILS, AND OTHER EMBEDDED STEEL ITEMS SHALL BE SET INTO HARDENED CONCRETE WITH ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS ONLY WHERE DETAILED ON THE DRAWINGS OR WHERE APPROVED BY THE ENGINEER OF RECORD.
2.	PRE-APPROVED MANUFACTURERS ARE HILTI, SIMPSON STRONG-TIE, AND DEWALT. WHERE DETAILS INDICATE SPECIFIC ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS, IT IS ACCEPTABLE AT THE CONTRACTOR'S OPTION TO SUBMIT AN ALTERNATE SIMILAR PRODUCT PROVIDED BY A DIFFERENT MANUFACTURER AS LONG AS THE MANUFACTURER'S DATA PROVIDES EQUIVALENT LOAD CAPACITY TO THE ANCHOR SPECIFIED. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED CALCULATIONS THAT DEMONSTRATE THE ALTERNATE PRODUCT IS CAPABLE OF MEETING THE PERFORMANCE OF THE SPECIFIED ANCHOR. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ESR SHOWING COMPLIANCE WITH THE GOVERNING BUILDING CODE FOR SEISMIC USE, LOAD RESISTANCE, INSTALLATION CATEGORY, AND THE AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, INSTALLATION TEMPERATURE, MOISTURE CONDITION OF CONCRETE, AND DRILLING METHODS.
3.	BASIS OF DESIGN FOR ADHESIVE ANCHORS DETAILED ON THE DRAWINGS INCLUDES THE FOLLOWING PARAMETERS: CRACKED CONCRETE; WATER-SATURATED CONCRETE; BASE MATERIAL BETWEEN 25 AND 100 DEGREES FAHRENHEIT; AND HOLES MADE BY HAMMER DRILL, HOLLOW DRILL BIT SYSTEM, OR CORE-DRILLING.
4.	INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING. HEED ALL LABEL WARNINGS. INSTALL IN ACCORDANCE WITH APPLICABLE SAFETY LAWS. ALL HOLES SHALL BE DRILLED WITH A DIAMETER NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE ANCHOR BEING INSTALLED. ALL HOLES SHALL BE CLEANED WITH COMPRESSED AIR AND SHALL BE DRY PRIOR TO INSTALLATION OF ADHESIVE. HOLES SHALL BE FREE OF ALL DELETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL.
5.	ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
6.	WHERE ADHESIVE ANCHORS ARE TO BE INSTALLED IN HOLLOW MATERIAL WITH UNKNOWN CAPACITY, THE CONTRACTOR SHALL INSTALL THE ANCHOR IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THE ADHESIVE SHALL BE INSTALLED IN THE HOLLOW BASE MATERIAL USING SCREEN TUBES SUPPLIED BY THE MANUFACTURER. THE ADHESIVE SHALL BE CAPABLE OF SUSTAINING MINIMUM TENSION AND SHEAR LOAD CAPACITIES NOTED ON THE DRAWINGS MULTIPLIED BY A FACTOR OF SAFETY OF 4. ALL HARDWARE AND MATERIAL SHALL BE SUPPLIED BY THE ANCHOR MANUFACTURER.
7.	CONTRACTOR PERFORMING ADHESIVE WORK SHALL BE AN APPROVED CONTRACTOR BY THE MANUFACTURER FURNISHING THE ADHESIVE MATERIALS, AND SHALL HAVE NO LESS THAN FIVE YEARS EXPERIENCE IN THE VARIOUS TYPES OF ADHESIVE RELATED WORK REQUIRED IN THIS PROJECT. ALTERNATIVELY, THE CONTRACTOR SHALL ARRANGE FOR A REPRESENTATIVE OF THE ANCHOR MANUFACTURER TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. DOCUMENTATION THAT ALL PERSONNEL INSTALLING ANCHORS ARE TRAINED SHALL BE SUBMITTED TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.
8.	THE ULTIMATE TENSION AND SHEAR CAPACITIES SHALL BE DETERMINED BY A JOB SITE TEST PERFORMED ON A MINIMUM OF FIVE INSTALLED SAMPLES WHICH ARE REPRESENTATIVE OF THE ACTUAL INSTALLATIONS. TESTING SHALL BE PERFORMED BY THE ADHESIVE ANCHOR MANUFACTURER OR HIS APPROVED REPRESENTATIVE AND SHALL BE DOCUMENTED FOR THE DESIGN PROFESSIONAL.

REPRODUCTION
1. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HERE ON.



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Revisions	Description	Date
Date Issued	Project No.	22038
Drawn By	Sheet No.	
Checked By	S0.2	
	Sheet Title	GENERAL NOTES

SYMBOL LEGEND	
SYMBOL	MEANING
	SPOT ELEVATION. ELEVATION RELATIVE TO REFERENCE ELEVATION.
<No>	TOP OF FOOTING, GRADE BEAM, PILE CAP, OR DRILLED PIER. ELEVATION RELATIVE TO REFERENCE ELEVATION.
	STEP IN TOP OF FOOTING ELEVATION, SEE "TYPICAL STEP IN WALL FOOTING" DETAIL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
	DEPRESSED OR RAISED SLAB ELEVATION, SEE "TYPICAL STEP IN SLAB ON GRADE" DETAIL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
[No]	TOP OF WALL OR PEDESTAL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
(No) [+No]	TOP OF STEEL/JOIST BEARING ELEVATION TOP OF STEEL ABOVE STEEL/JOIST BEARING ELEVATION.
	SLOPED STEPPED SLAB.
F#	SPREAD FOOTING TYPE, SEE SCHEDULE.
P#	CONCRETE PEDESTAL TYPE, SEE SCHEDULE.
PC#	PILE CAP TYPE, SEE SCHEDULE.
GB# WxD	CONCRETE GRADE BEAM TYPE, SEE SCHEDULE. "W" INDICATES BEAM WIDTH AND "D" INDICATES BEAM DEPTH (IN INCHES).
CB# WxD	CONCRETE BEAM TYPE, SEE SCHEDULE. "W" INDICATES BEAM WIDTH AND "D" INDICATES BEAM DEPTH (IN INCHES).
CJ# WxD	CONCRETE JOIST TYPE, SEE SCHEDULE. "W" INDICATES NOMINAL JOIST WIDTH AND "D" INDICATES JOIST DEPTH (IN INCHES).
PCB WxD	PRECAST CONCRETE BEAM. "W" INDICATES ASSUMED BEAM WIDTH AND "D" INDICATES ASSUMED BEAM DEPTH (IN INCHES).
PT# WxD	POST-TENSIONED CONCRETE BEAM TYPE, SEE SCHEDULE. "W" INDICATES BEAM WIDTH AND "D" INDICATES BEAM DEPTH (IN INCHES).
	STUD RAIL REINFORCING TYPE, SEE "ELEVATED SLABS STUD RAILS" DETAIL.
CSW#	CONCRETE SHEAR WALL TYPE, SEE SCHEDULE.
MP#	MASONRY PILASTER TYPE, SEE "TYPICAL MASONRY PILASTERS" DETAIL.
ML#	MASONRY LINTEL TYPE, SEE "TYPICAL LOAD BEARING LINTELS" DETAIL.
BP#	STEEL BEARING PLATE TYPE, SEE "TYPICAL STEEL BEAM BEARING" DETAIL.
MSW#	MASONRY SHEAR WALL TYPE, SEE SCHEDULE.
	SPAN DIRECTION OF METAL ROOF DECK, SEE "TYPICAL 1 1/2" METAL ROOF DECK" DETAIL. CONSTRUCTION SHALL BE 1 1/2"-22GA METAL ROOF DECK.
	SPAN DIRECTION OF METAL ROOF DECK, SEE "TYPICAL 3" METAL ROOF DECK" DETAIL. CONSTRUCTION SHALL BE 3"-18GA METAL ROOF DECK.
	SPAN DIRECTION OF COMPOSITE SLAB, SEE "TYPICAL COMPOSITE SLAB" DETAIL. CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (5 1/4" TOTAL THICKNESS). TOP OF STEEL ELEVATION 5 1/4" BELOW FINISHED FLOOR ELEVATION, UNO.
	SPAN DIRECTION OF COMPOSITE SLAB, SEE "TYPICAL COMPOSITE SLAB" DETAIL. CONSTRUCTION SHALL BE 4 1/2" NORMAL WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (6 1/2" TOTAL THICKNESS). TOP OF STEEL ELEVATION 6 1/2" BELOW FINISHED FLOOR ELEVATION, UNO.
W10	COMPOSITE W10x15 STEEL BEAM WITH HEADED STUDS @24"OC.
W12	COMPOSITE W12x16 STEEL BEAM WITH HEADED STUDS @24"OC.
V#, M#, L#, A#, T#	STEEL BEAM DESIGN END REACTIONS (WHERE APPLICABLE). "V" INDICATES VERTICAL SHEAR, "M" INDICATES BENDING MOMENT, "H" INDICATES LATERAL SHEAR, "A" INDICATES AXIAL TENSION/COMPRESSION, AND "T" INDICATES TORSION. ALL LOADS ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FT. ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
	STEEL BEAM MOMENT CONNECTION.
	VERTICAL FRAME TYPE, SEE ELEVATIONS.
SSW#	METAL STUD SHEAR WALL TYPE, SEE SCHEDULE.
C#	WOOD COLUMN TYPE, SEE SCHEDULE. ALL COLUMNS ARE TO BE EXTENDED TO THE FOUNDATION WHETHER SHOWN ON PLAN OR NOT.
H#	WOOD HEADER TYPE, SEE SCHEDULE.
WSW#	WOOD SHEAR WALL TYPE, SEE SCHEDULE.

ABBREVIATIONS			
@	AT	GT	GIRDER TRUSS
&	AND	HD	HEADED
Ø	DIAMETER	HI	HIGH
AB	ANCHOR BOLTS	HORIZ	HORIZONTAL
ACI	AMERICAN CONCRETE INSTITUTE	HSS	HOLLOW STRUCTURAL SECTION
ADDL	ADDITIONAL	INT	INTERIOR
ADH	ADHESIVE	JT	JOINT
AFF	ABOVE FINISHED FLOOR	K	KIP(S)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	KB	KNEE BRACE
AISI	AMERICAN IRON AND STEEL INSTITUTE	KSI	KIPS PER SQUARE INCH
ALT	ALTERNATE	LB	LONG BAR
ARCH	ARCHITECT'S / ARCHITECTURAL	LBS	POUNDS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LLH	LONG LEG HORIZONTAL
AWS	AMERICAN WELDING SOCIETY	LLV	LONG LEG VERTICAL
B/ or BOT	BOTTOM	LOW	LOW
BCX	BOTTOM CHORD EXTENSION	LOC	LOCATION
BFB	BOTTOM FLANGE BRACE	LSH	LONG SIDE HORIZONTAL
BFF	BELOW FINISHED FLOOR	LSV	LONG SIDE VERTICAL
BLDG	BUILDING	LWC	LIGHT WEIGHT CONCRETE
BM	BEAM	MAX	MAXIMUM
BOS	BOTTOM OF STEEL	MC	MOMENT CONNECTION
BRG	BEARING	MCJ	MASONRY CONTROL JOINT
BTWN	BETWEEN	MECH	MECHANICAL
CANT	CANTILEVER	MFR	MANUFACTURER
CJ	CONTROL JOINT	MID	MIDDLE
CL	CENTERLINE	MIN	MINIMUM
CLR	CLEAR	MISC	MISCELLANEOUS
CMU	CONCRETE MASONRY UNIT	MOW	MIDDLE OF WALL
COL	COLUMN	MP	MASONRY PILASTER
CONC	CONCRETE	No or #	NUMBER
CONN	CONNECTION	NS	NEAR SIDE
CONST JT	CONSTRUCTION JOINT	NTS	NOT TO SCALE
CONT	CONTINUOUS	NWC	NORMAL WEIGHT CONCRETE
CONTR	CONTRACTOR	OC	ON CENTER
COORD	COORDINATE	OPNG	OPENING
CTRD	CENTERED	OPP	OPPOSITE HAND
d	NAILS (PENNY)	PAF	POWDER ACTUATED FASTENER
DBA	DEFORMED BAR ANCHOR	PED	PEDESTAL
DEFL	DEFLECTION	PL	PLATE
DEPR	DEPRESSION / DEPRESSED	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSI	POUNDS PER SQUARE INCH
DIAG	DIAGONAL	PT	PRESSURE TREATED
DIM	DIMENSION	P-T	POST-TENSIONED
DIST	DISTANCE	REF	REFERENCE
DWG(S)	DRAWING(S)	REINF	REINFORCING
DWL(S)	DOWEL(S)	REQD	REQUIRED
EA	EACH	SB	SHORT BAR
EE	EACH END	SCHD	SCHEDULE
EF	EACH FACE	SIM	SIMILAR
EJ	EXPANSION JOINT	SOG	SLAB ON GRADE
EL	ELEVATION	SPEC(S)	SPECIFICATION(S)
ELEV	ELEVATOR	SQ	SQUARE
EMBED	EMBEDDED / EMBEDMENT	STD	STANDARD
ENGR	ENGINEER	STIFF	STIFFENER
EOD	EDGE OF DECK	STIRR	STIRRUP(S)
EOS	EDGE OF SLAB	STL	STEEL
EQ	EQUAL	STR	STRUCTURAL
EQUIP	EQUIPMENT	TJ	TOP
EW	EACH WAY	TCX	TOP CHORD EXTENSION
EXIST	EXISTING	TOC	TOP OF CONCRETE
EXP	EXPANSION	TOF	TOP OF FOOTING
EXT	EXTERIOR	TOS	TOP OF STEEL
FDN	FOUNDATION	TOW	TOP OF WALL
FFE	FINISHED FLOOR ELEVATION	TYP	TYPICAL
FOM	FACE OF MASONRY	UNO	UNLESS NOTED OTHERWISE
FOW	FACE OF WALL	VERT	VERTICAL
FS	FACE SIDE	VIF	VERIFY IN FIELD
FTG	FOOTING	W/	WITH
GA	GAUGE	WWF	WELDED WIRE FABRIC
GALV	GALVANIZED	WP	WORK POINT

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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Revisions

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Description

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Date

Issue Date

Project No.

22038

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VNA

Sheet No.

S0.3

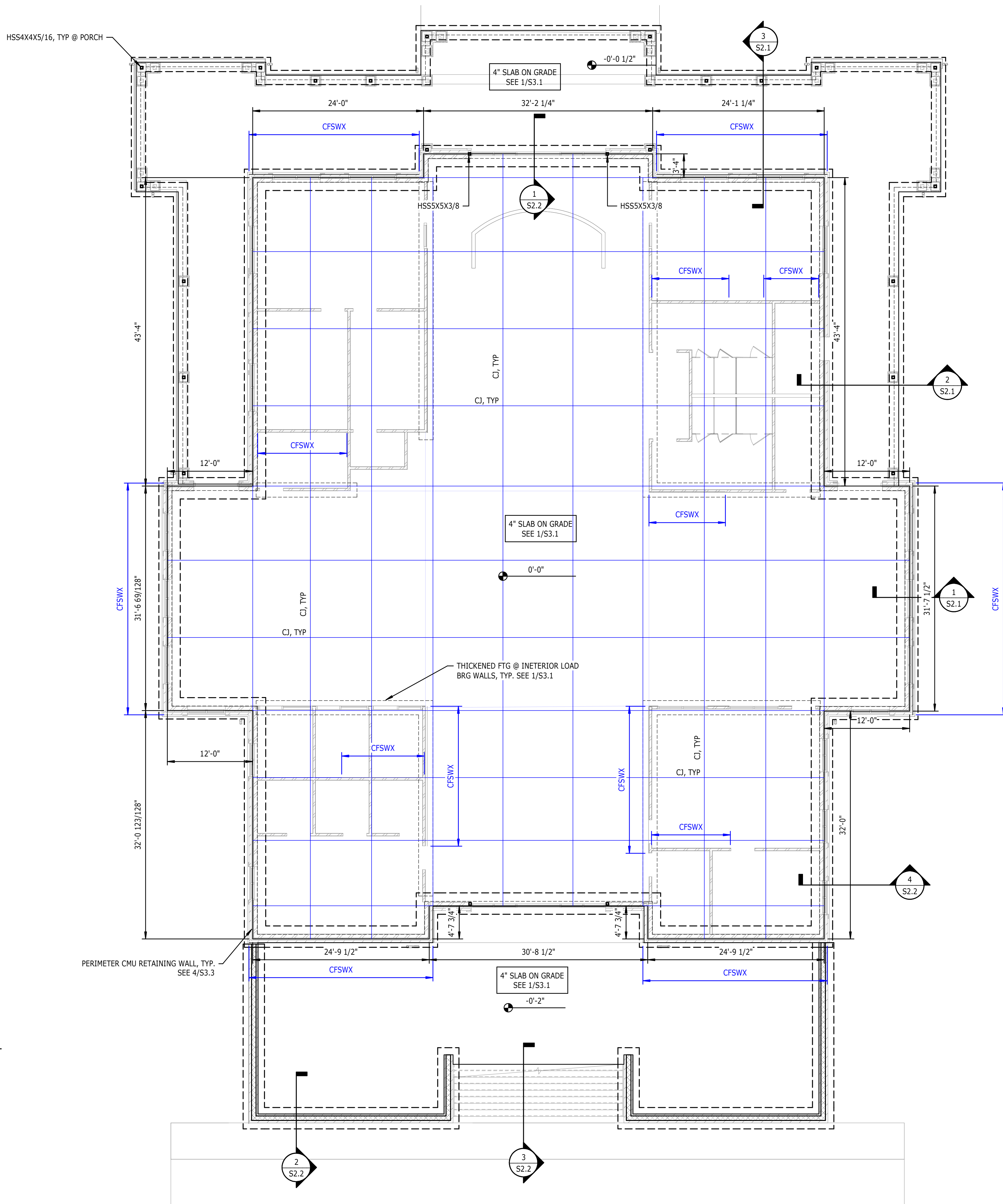
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Sheet Title

ABBREVIATION LIST AND SYMBOLS LEGEND

1 FOUNDATION PLAN
S1.1 1/8" = 1'-0"



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Date Issue Date	Project No. 22038
Drawn By VNA	Sheet No. S1.1
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Sheet Title
FOUNDATION PLAN

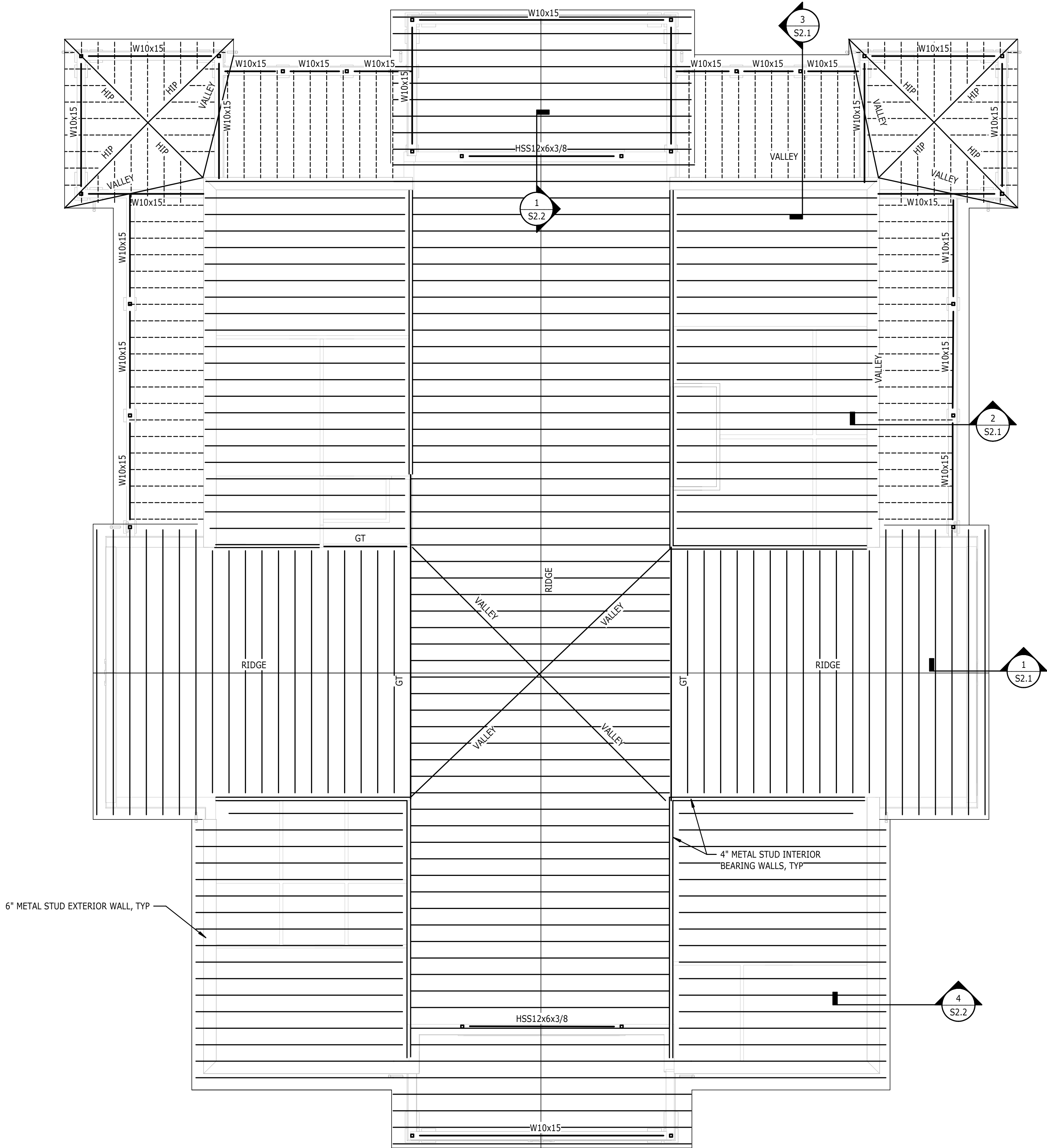
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S1.2

ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

- SEE S0.1, S0.2, AND S0.3 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
- SEE S5.1 FOR STEEL FRAMING DETAILS.
- SEE S5.3, S5.4, AND S5.5 FOR LIGHT GAUGE FRAMING DETAILS.
- INDICATES LIGHT GAUGE ROOF TRUSSES SPACED @24"OC, UNO. ROOF TRUSS BEARING ELEVATION X'-X" ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
- INDICATES 600S200-43 LIGHT GAUGE JOISTS SPACED @24"OC, UNO.
- PROVIDE DOUBLE STUDS UNDER ALL LIGHT GAUGE HEADER, BEAM, HIP TRUSS, AND TRUSS GIRDER BEARING LOCATIONS, UNO.
- DIMENSIONS ARE TO OUTSIDE FACE OF FRAMING, UNO. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS AND DIMENSIONS.
- SEE ARCHITECTURAL DRAWINGS FOR ALL ROOF SLOPES.



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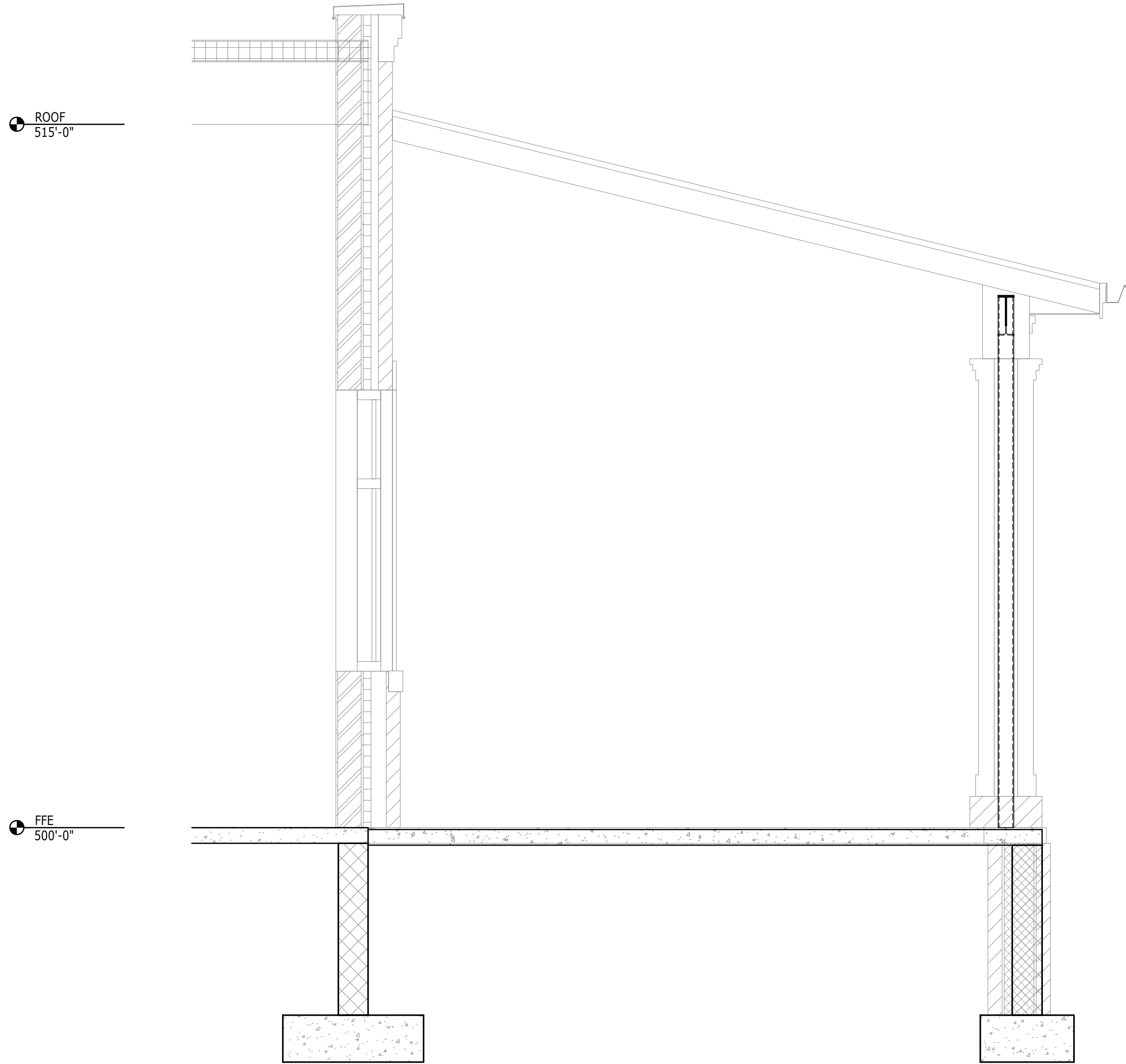
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Date	Project No.
Issue Date	22038
Drawn By	Sheet No.
VNA	S1.2
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MBC	

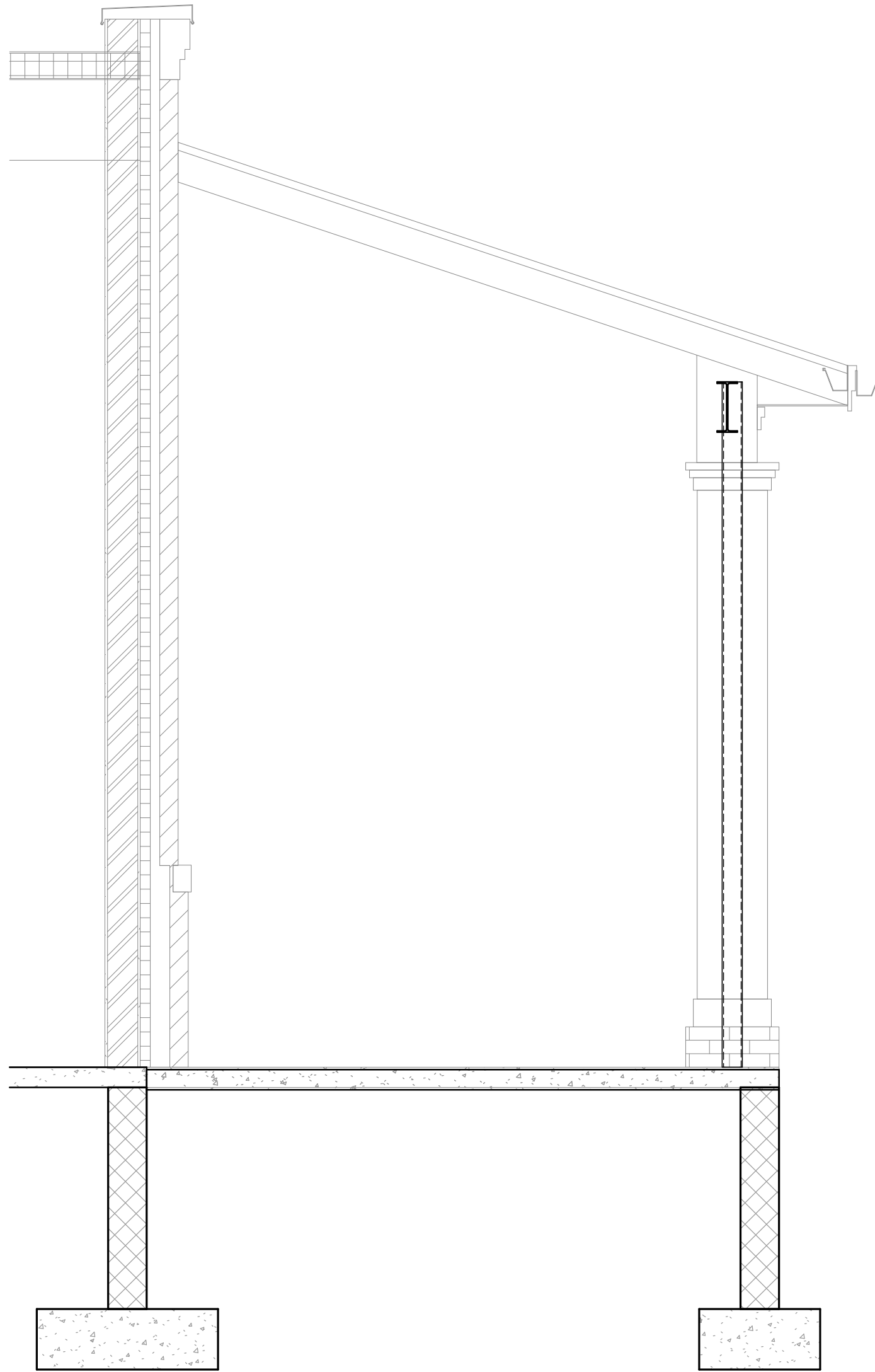
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ROOF FRAMING PLAN

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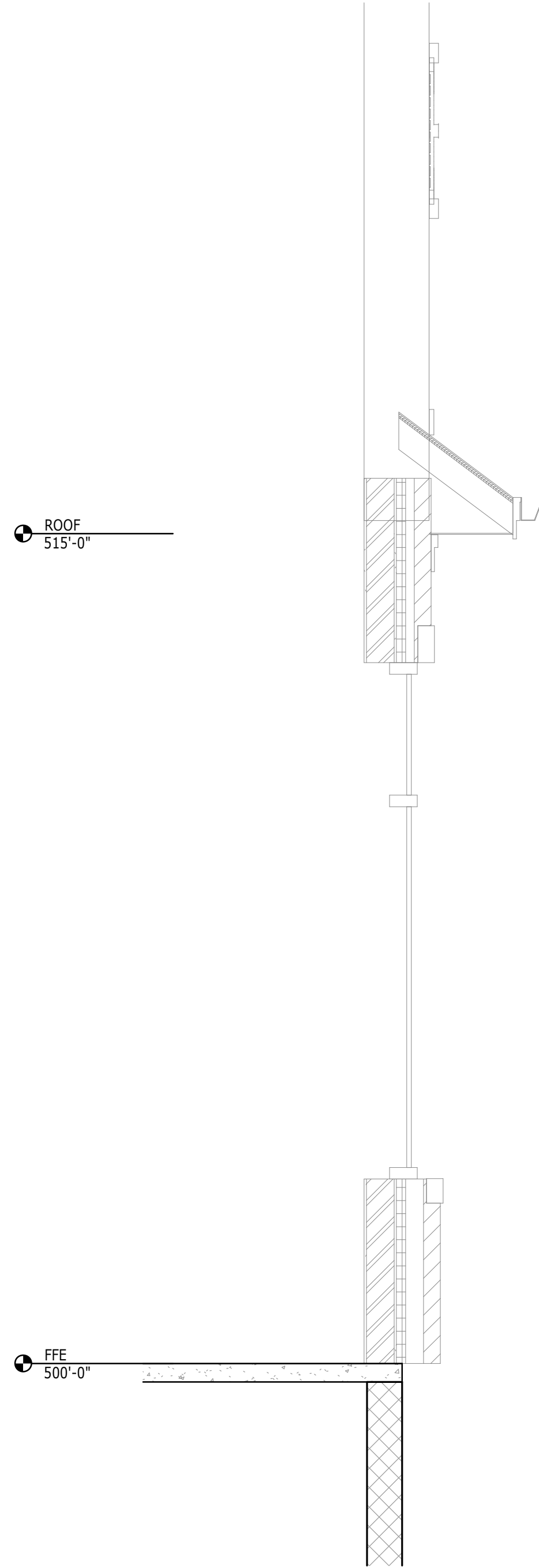
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3 SECTION
S2.1 1/2" = 1'-0"



2 SECTION
S2.1 1/2" = 1'-0"



1 SECTION
S2.1 1/2" = 1'-0"

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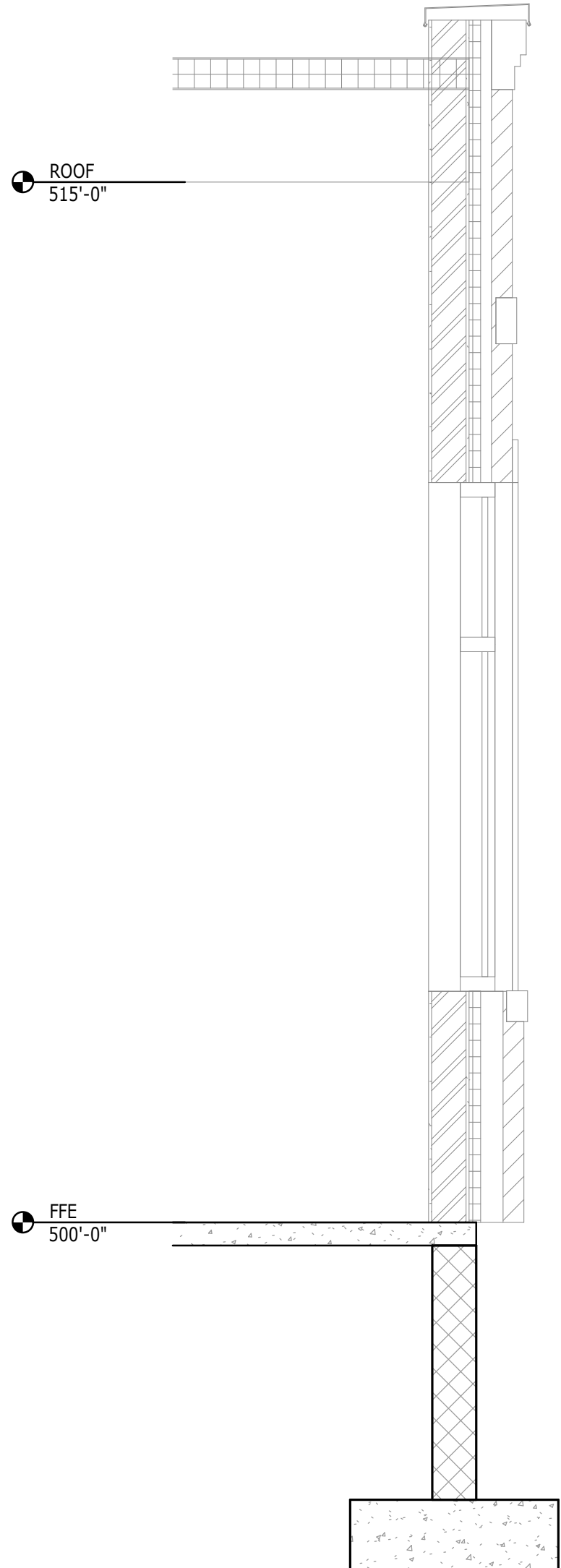
VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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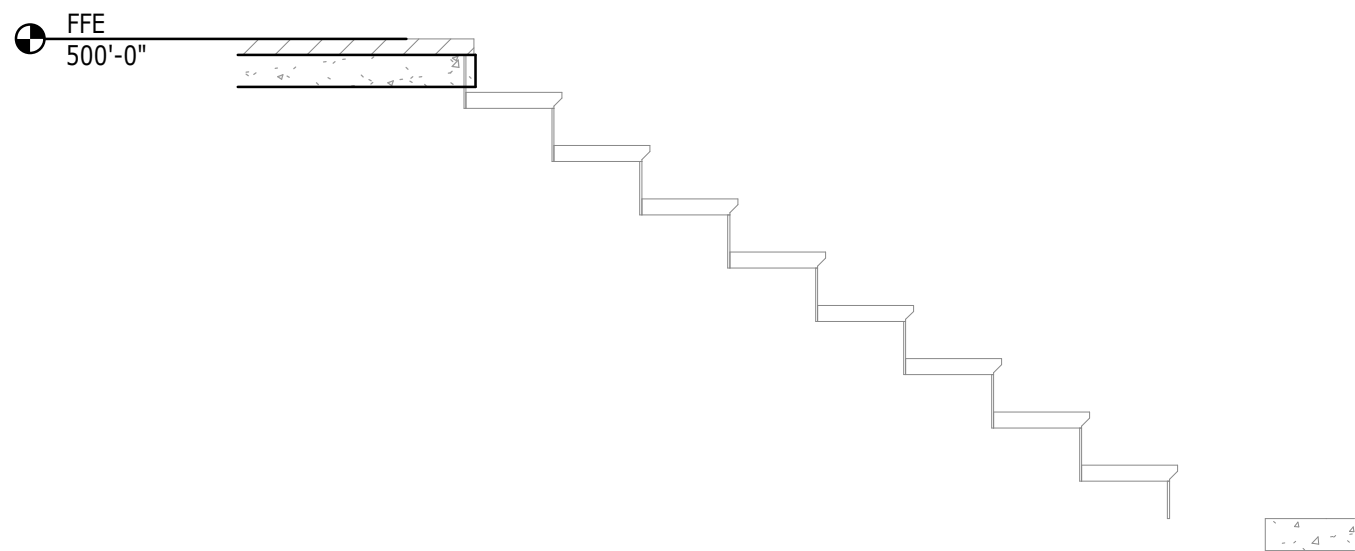
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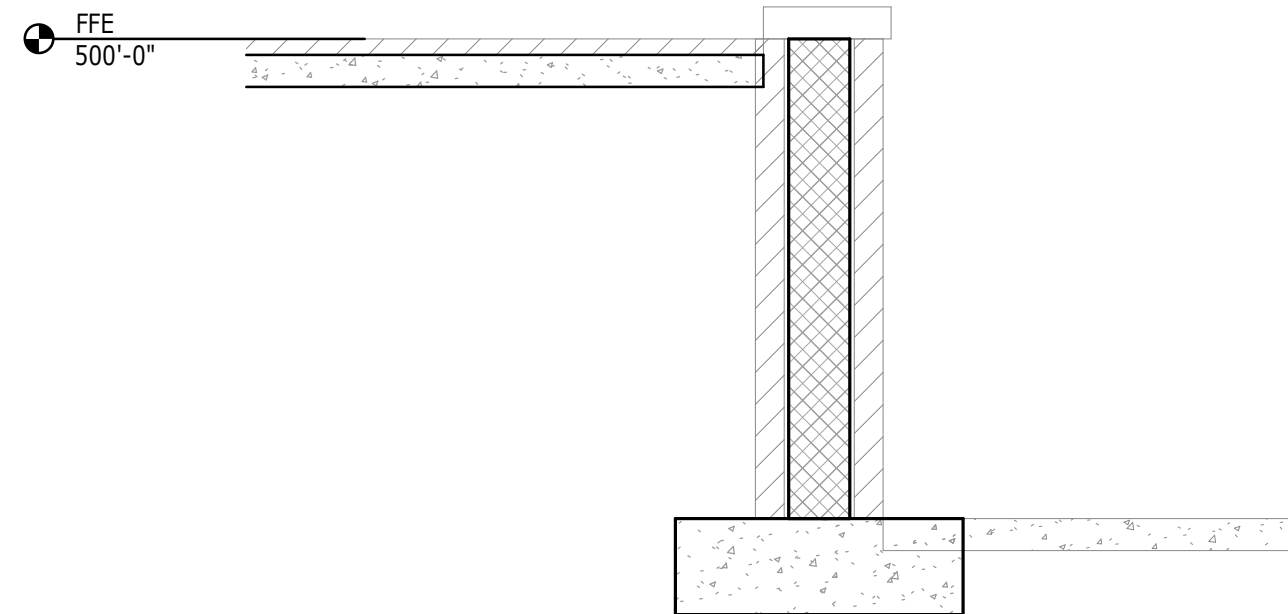
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Date		Project No.	
Issue		22038	
Date		Sheet No.	
Drawn By		S2.1	
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4 SECTION
S2.2 1/2" = 1'-0"



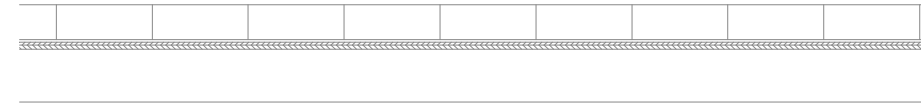
3 SECTION
S2.2 1/2" = 1'-0"



2 SECTION
S2.2 1/2" = 1'-0"



1 SECTION
S2.2 1/2" = 1'-0"



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MAGNOLIA DRIVE, PINEHURST, NC

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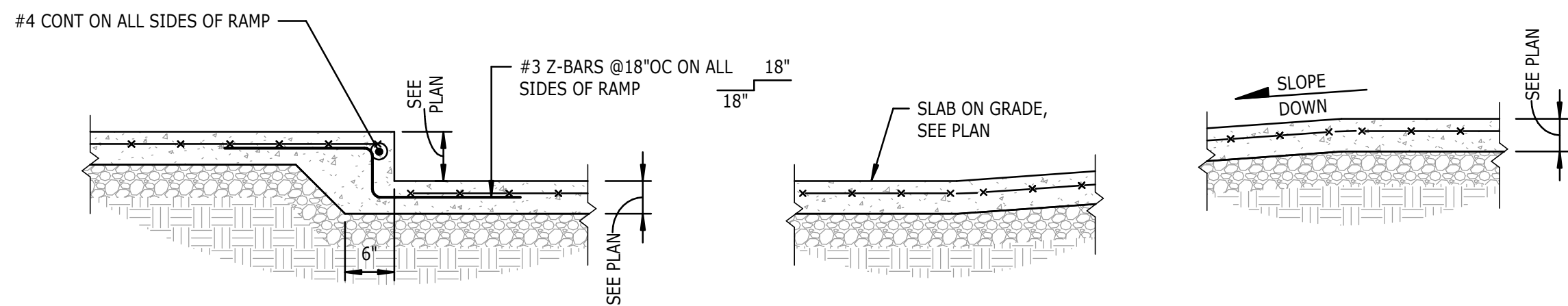
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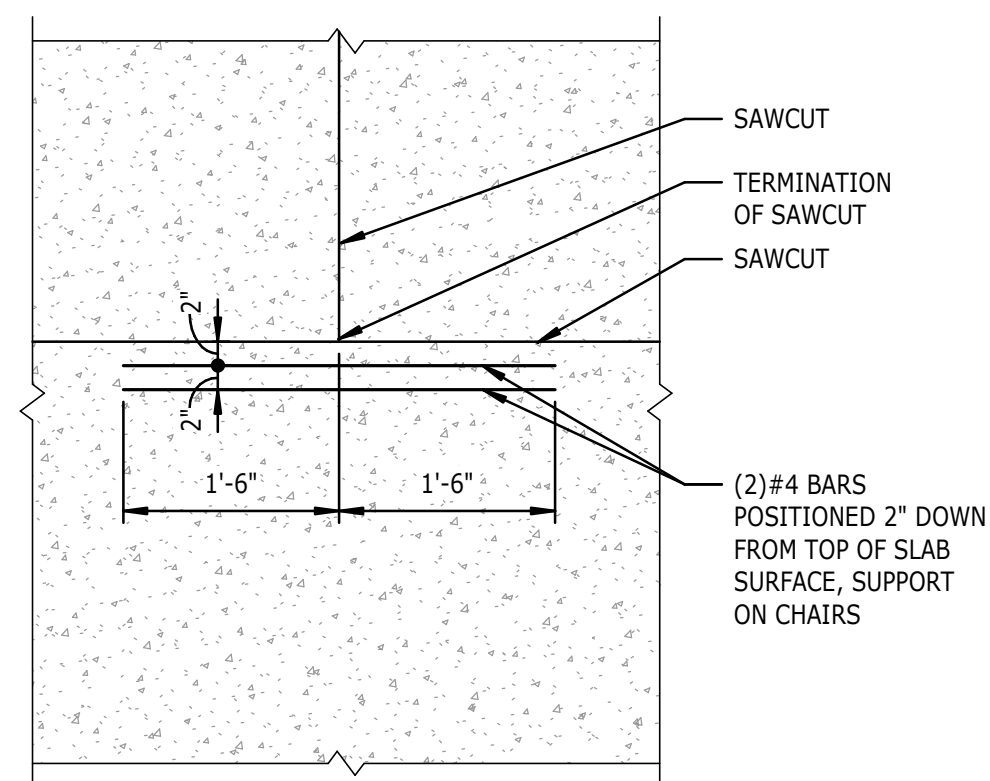
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#	Description	Date	Issue Date
		22038	
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VNA		S2.2	
Checked By		Sheet Title	
MBC		BUILDING SECTION	

OAKLEY
COLLIER
ARCHITECTS
OCA

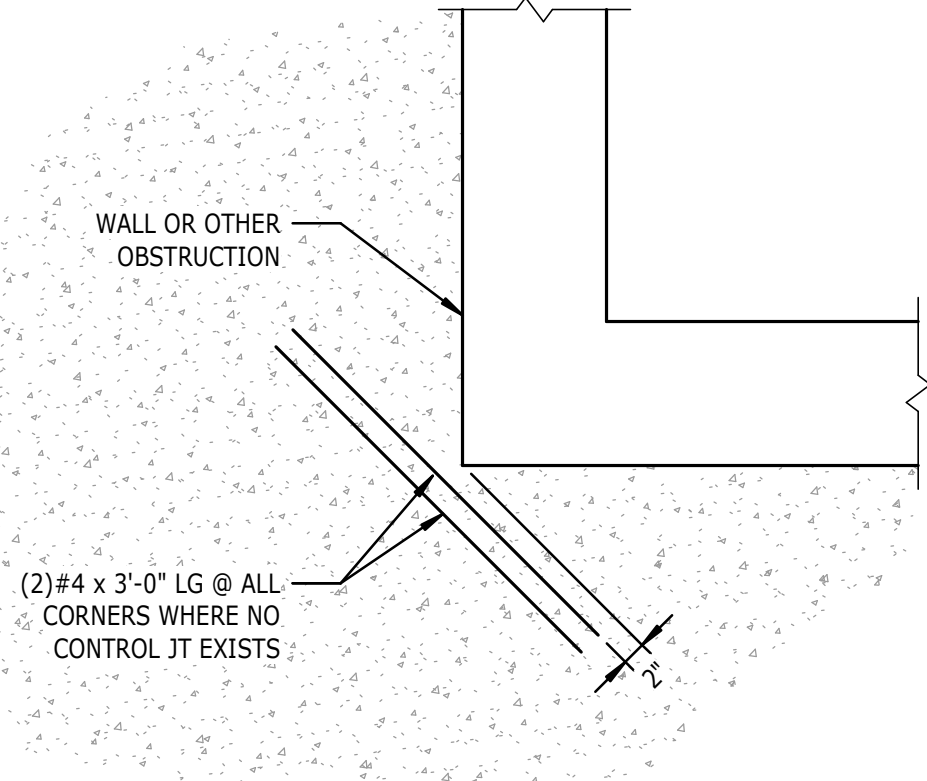
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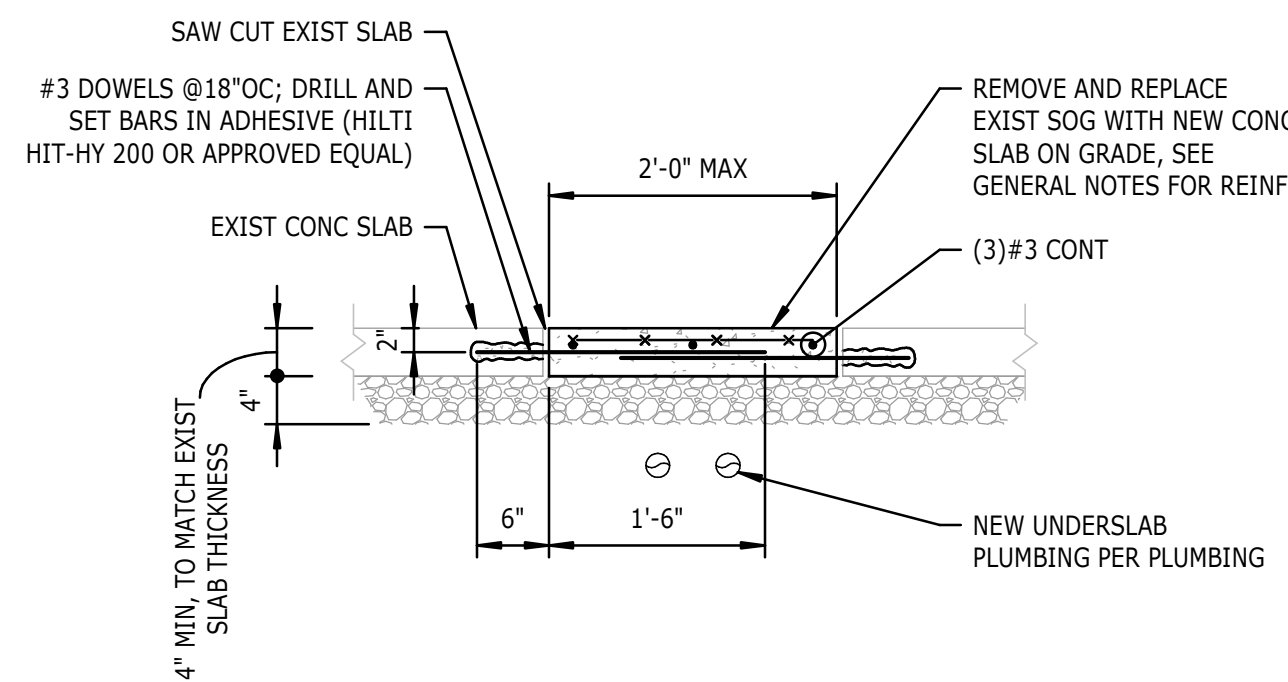
7 TYPICAL RAMP ON GRADE
S3.1 NTS



11 TYPICAL AT CONTROL JOINT TERMINATION
S3.1 NTS

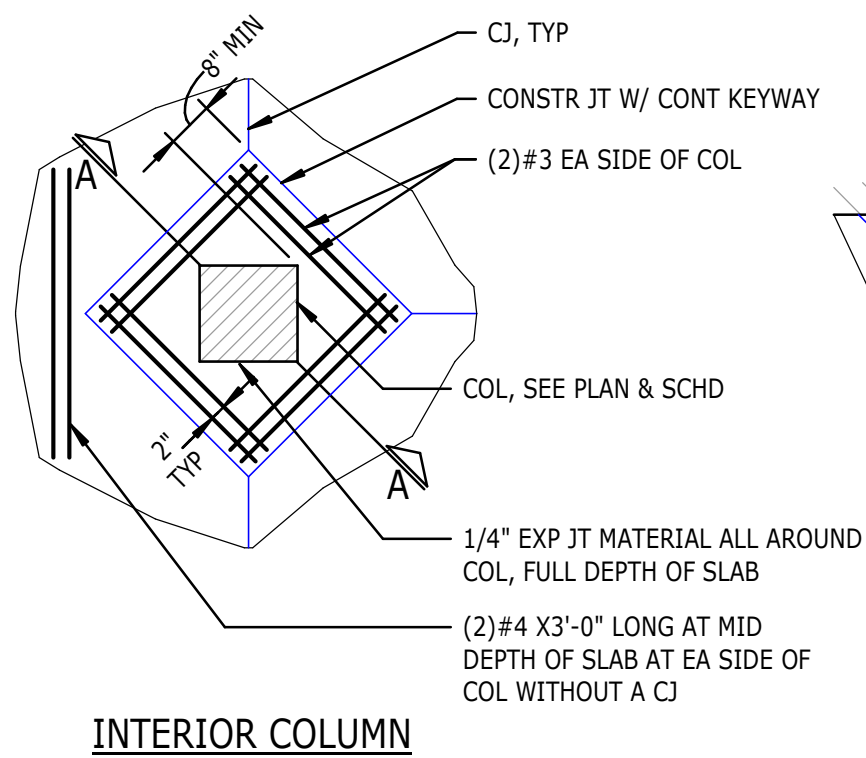


8 TYPICAL SLAB AT CORNERS
S3.1 NTS

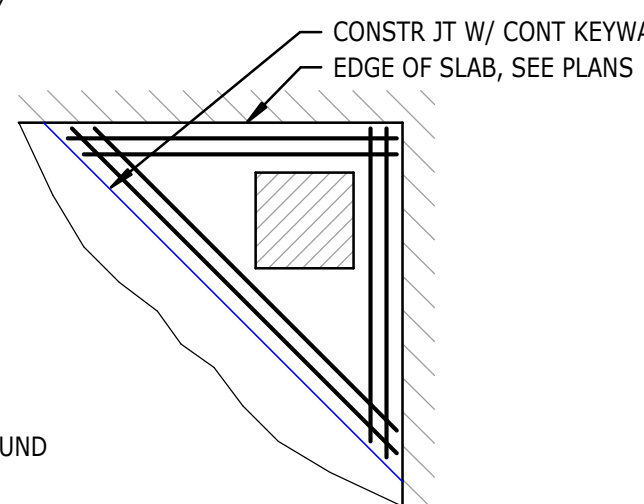


- NOTES:
- SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR LOCATIONS WHERE EXISTING SLAB REMOVAL AND REPLACEMENT IS REQUIRED.
 - INFILL ANY TRENCHES REQUIRED FOR UPFIT WITH COMPACTED #57 STONE PRIOR TO REPLACING SLAB ON GRADE.
 - SEAL JOINT IN NEW VAPOR BARRIER WITH EXISTING.

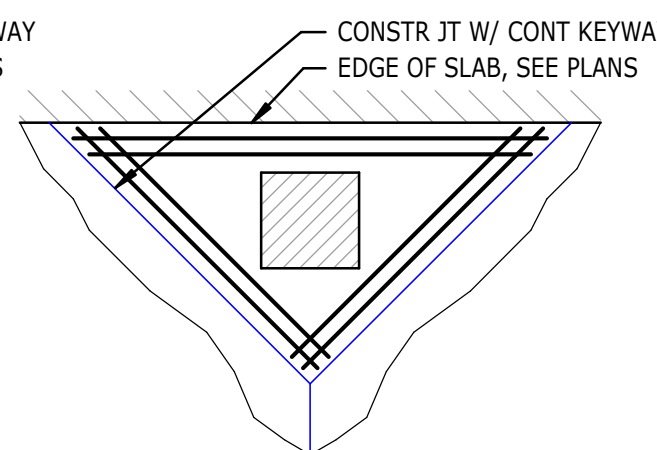
12 TYPICAL SLAB ON GRADE REPAIR
S3.1 NTS



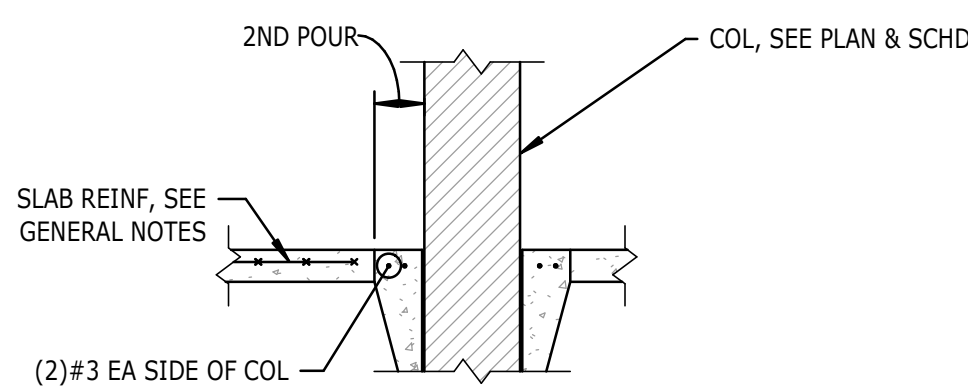
INTERIOR COLUMN



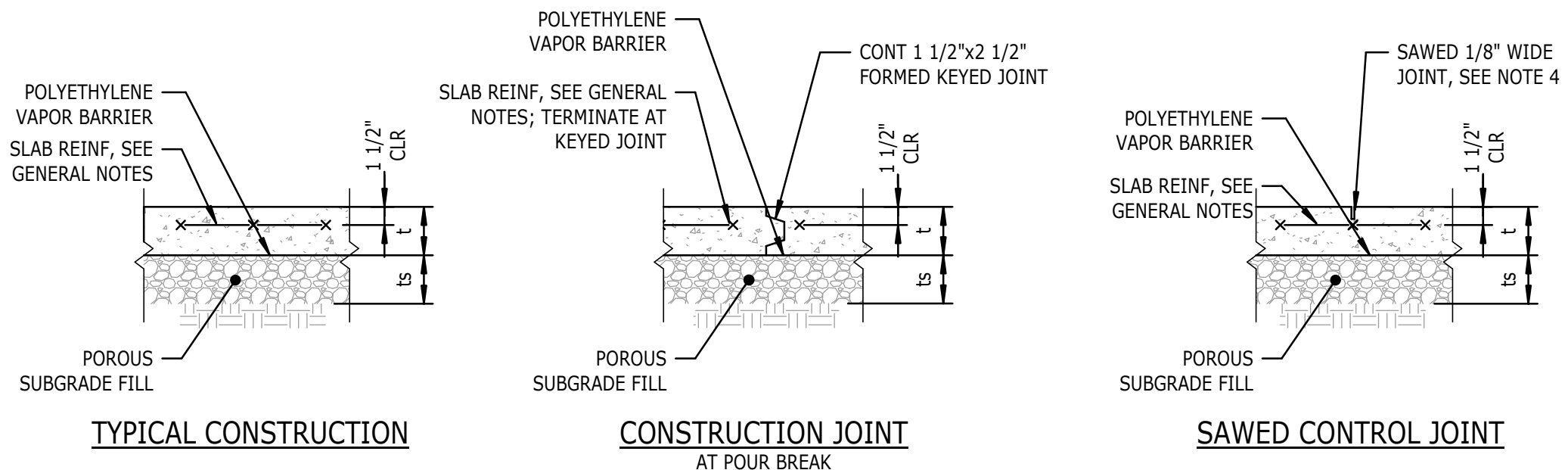
CORNER COLUMN



EDGE COLUMN



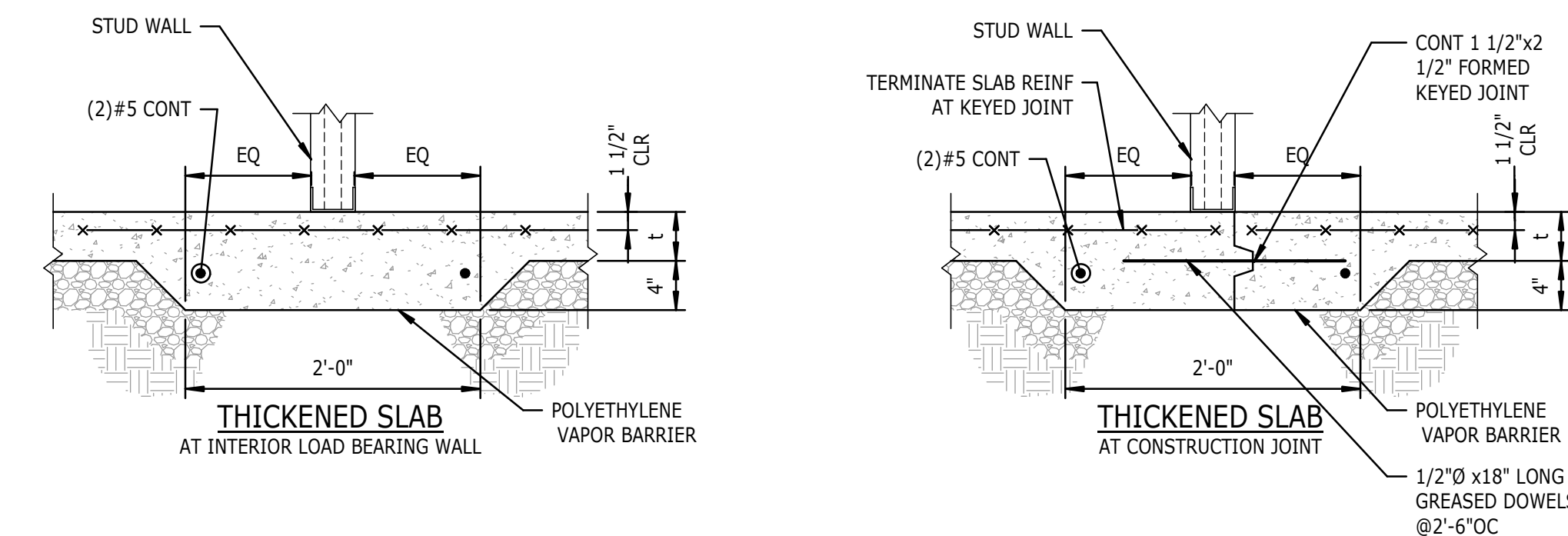
SECTION A-A



TYPICAL CONSTRUCTION

CONSTRUCTION JOINT AT POUR BREAK

SAWED CONTROL JOINT

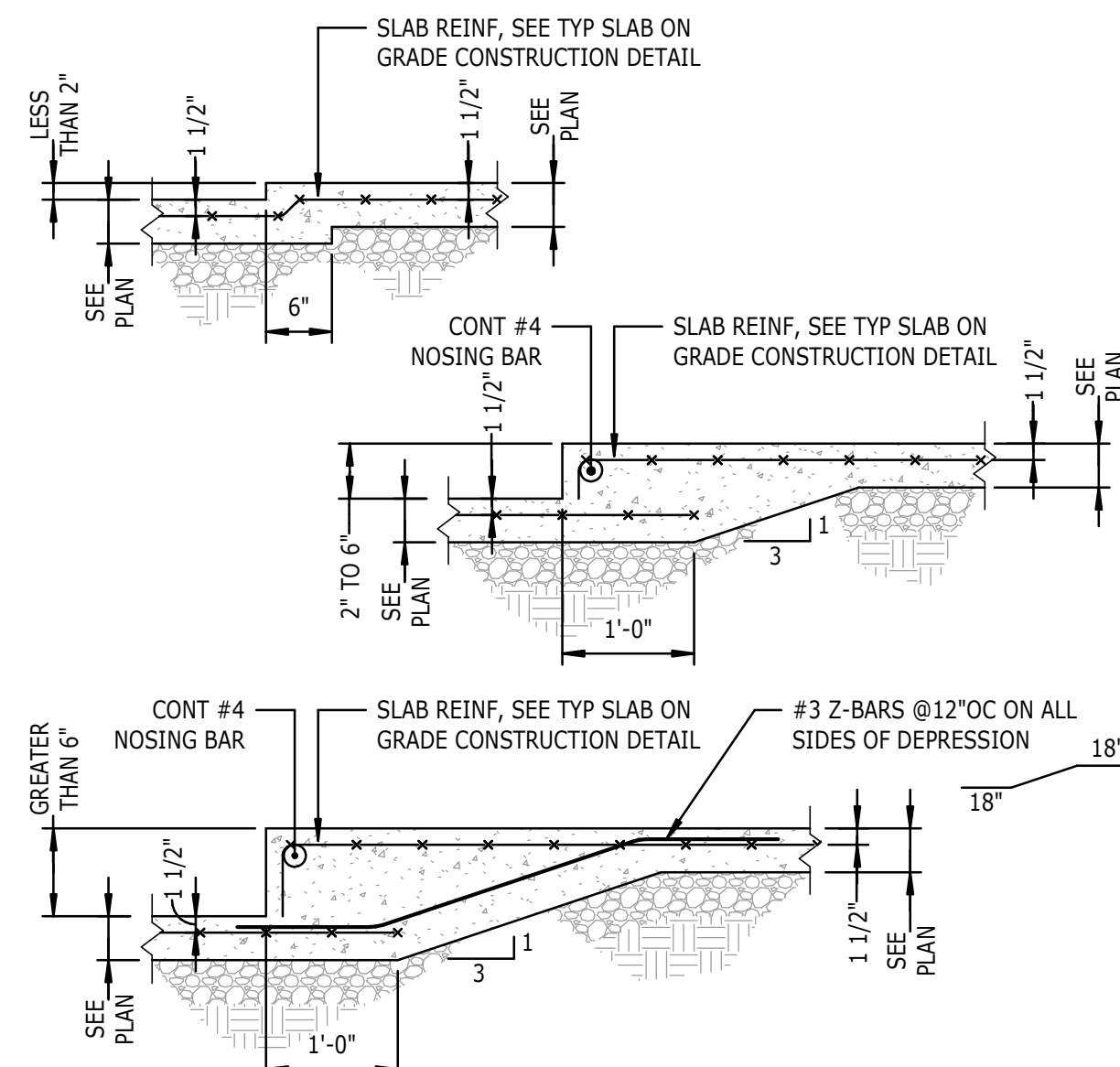


THICKENED SLAB AT INTERIOR LOAD BEARING WALL

THICKENED SLAB AT CONSTRUCTION JOINT

- NOTES:
- "t" DENOTES SLAB THICKNESS, SEE PLANS. "ts" DENOTES POROUS SUBGRADE FILL THICKNESS, SEE "FOUNDATION" GENERAL NOTES.
 - SEE PLANS FOR LOCATION OF CONTROL JOINTS. WHERE NOT SHOWN ON PLAN, CONTACT THE ENGINEER.
 - CUT JOINTS SHALL BE 1/4t (1/3t FOR FIBER-REINFORCED SLABS) OR 1" DEEP WHICHEVER IS GREATER. SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR.
 - 15ML-THICK POLYETHYLENE VAPOR BARRIER TO BE PLACED UNDER ALL SLABS, TURNDOWNS, TRENCHES, TRENCH DRAINS, GRADE BEAMS, ETC.

1 TYPICAL SLAB ON GRADE
S3.1 NTS



3 TYPICAL STEP IN SLAB ON GRADE
S3.1 NTS

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MAGNOLIA DRIVE, PINEHURST, NC

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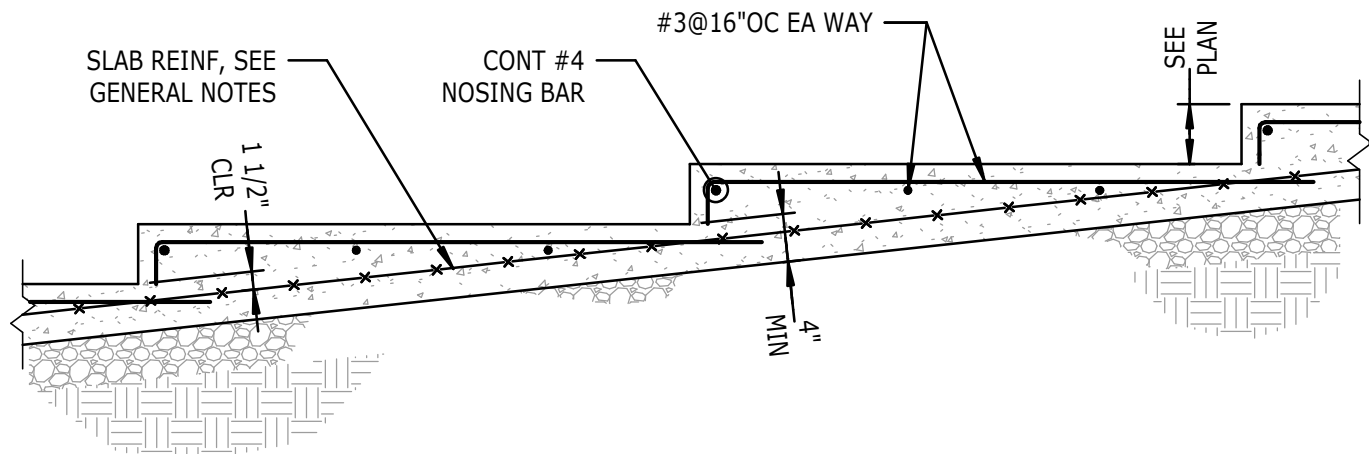
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Sheet Title
SLAB ON GRADE DETAILS

CONCRETE REINFORCING SPLICE LENGTH SCHEDULE													
BAR SIZE	f'c = 3,000 PSI				f'c = 4,000 PSI				f'c = 5,000 PSI				
	HORIZ BARS		OTHER BARS		HORIZ BARS		OTHER BARS		HORIZ BARS		OTHER BARS		
	CASE		CASE		CASE		CASE		CASE		CASE		
	I	II	I	II	I	II	I	II	I	II	I	II	
#3	28"	42"	22"	32"	24"	36"	19"	28"	22"	33"	17"	25"	
#4	37"	56"	29"	43"	32"	48"	25"	37"	29"	43"	22"	33"	
#5	47"	70"	36"	54"	40"	60"	31"	47"	36"	54"	28"	42"	
#6	56"	84"	43"	64"	48"	72"	37"	56"	43"	65"	33"	50"	
#7	81"	122"	63"	94"	70"	106"	54"	81"	63"	94"	49"	73"	
#8	93"	139"	72"	107"	80"	121"	62"	93"	72"	108"	55"	83"	
#9	105"	157"	81"	121"	91"	136"	70"	105"	81"	122"	63"	94"	
#10	118"	177"	91"	136"	102"	153"	79"	118"	91"	137"	70"	105"	
#11	131"	196"	101"	151"	113"	170"	87"	131"	101"	152"	78"	117"	
CATEGORY				CASE I				CASE II					
BEAMS AND COLUMNS				clr ≥ d _b , s ≥ 2d _b , AND STIRRUPS PROVIDED OVER ENTIRE SPLICE LENGTH				clr < d _b AND s < 2d _b					
OTHER MEMBERS				clr > d _b AND s ≥ 3d _b				clr < d _b OR s < 3d _b					

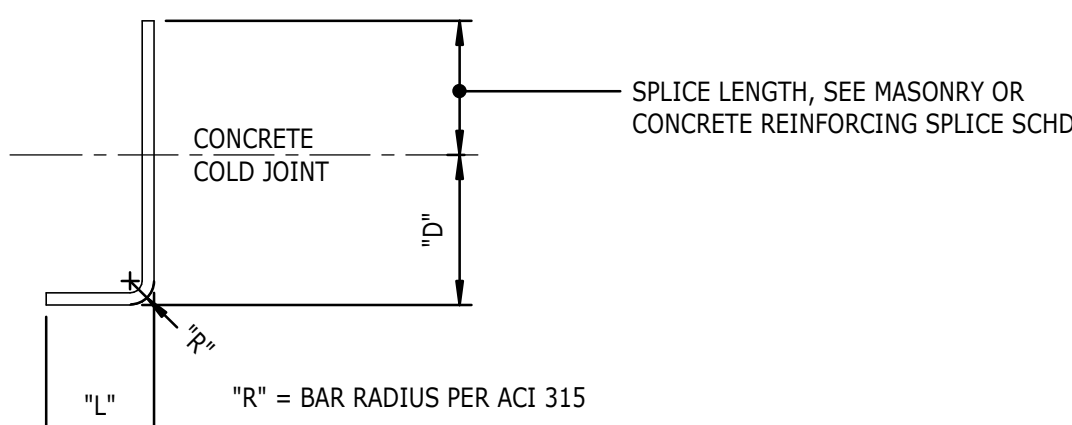
- NOTES:
1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE SPLICE LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
 2. SPLICE LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE SPLICE LENGTH BY 30%.
 3. AVOID SPLICES IN REGIONS OF MAXIMUM MOMENT. IF THIS IS NOT POSSIBLE STAGGER SPLICES SO THAT NOT MORE THAN 50% OF THE BARS ARE SPLICED WITHIN A REQUIRED SPLICE LENGTH. OTHERWISE INCREASE SPLICE LENGTH BY 30%.
 4. "HORIZ" BARS ARE ANY HORIZONTAL BARS PLACED WITH MORE THAN 12" OF CONCRETE IN THE MEMBER BELOW THE SPLICE.
s = C-C SPACING OF BARS BEING DEVELOPED OR SPLICED.
clr = CLEAR COVER OF BARS.

7 SPLICE AND EMBEDMENT LENGTH SCHEDULE



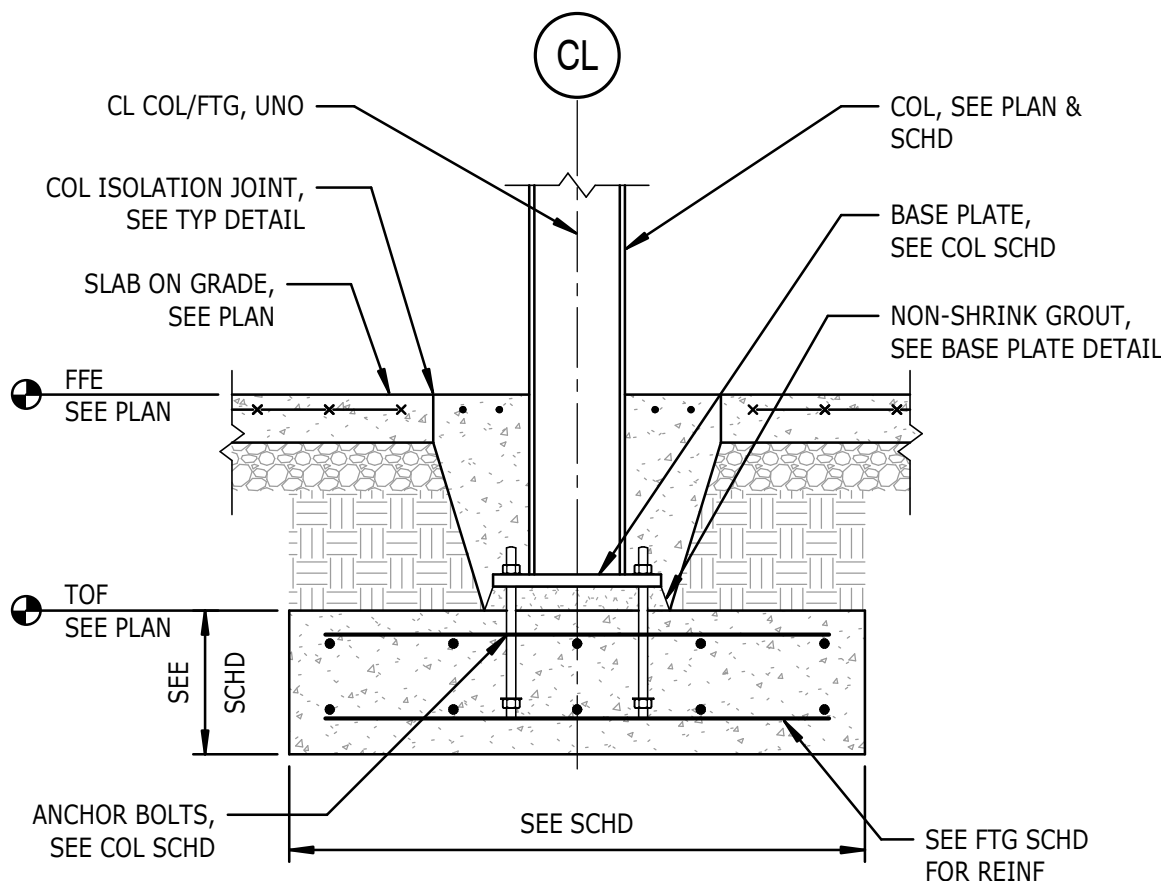
9 TYPICAL RISERS ON GRADE

CONCRETE REINFORCING DOWEL EMBEDMENT				
BAR SIZE	LEG DIM, "L"	EMBEDMENT, "D"		
		f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	6"	6"	6"	6"
#4	8"	8"	7"	6"
#5	10"	10"	9"	8"
#6	12"	12"	10"	9"
#7	14"	14"	12"	11"
#8	16"	16"	14"	12"
#9	19"	18"	15"	14"
#10	22"	20"	17"	15"
#11	24"	22"	19"	17"

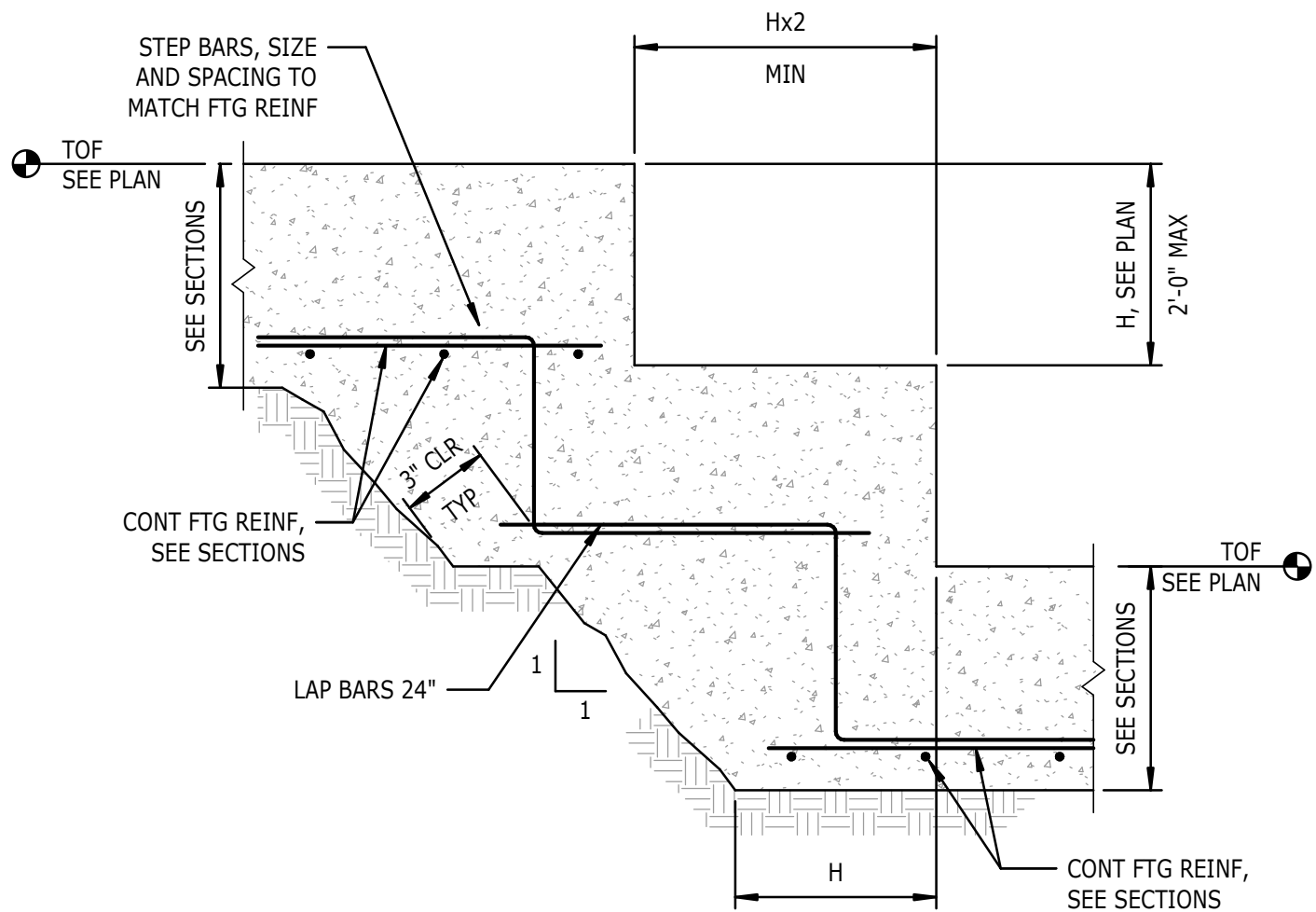


- NOTES:
1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE EMBEDMENT LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
 2. DOWEL LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE DOWEL LENGTH "D" BY 30%.
 3. SIDE COVER ON BARS MUST BE GREATER THAN 2 1/2". END COVER ON 90° HOOKED BARS MUST BE GREATER THAN 2".
 4. FOR EPOXY-COATED BARS, INCREASE THE DOWEL LENGTH "D" BY 20%.

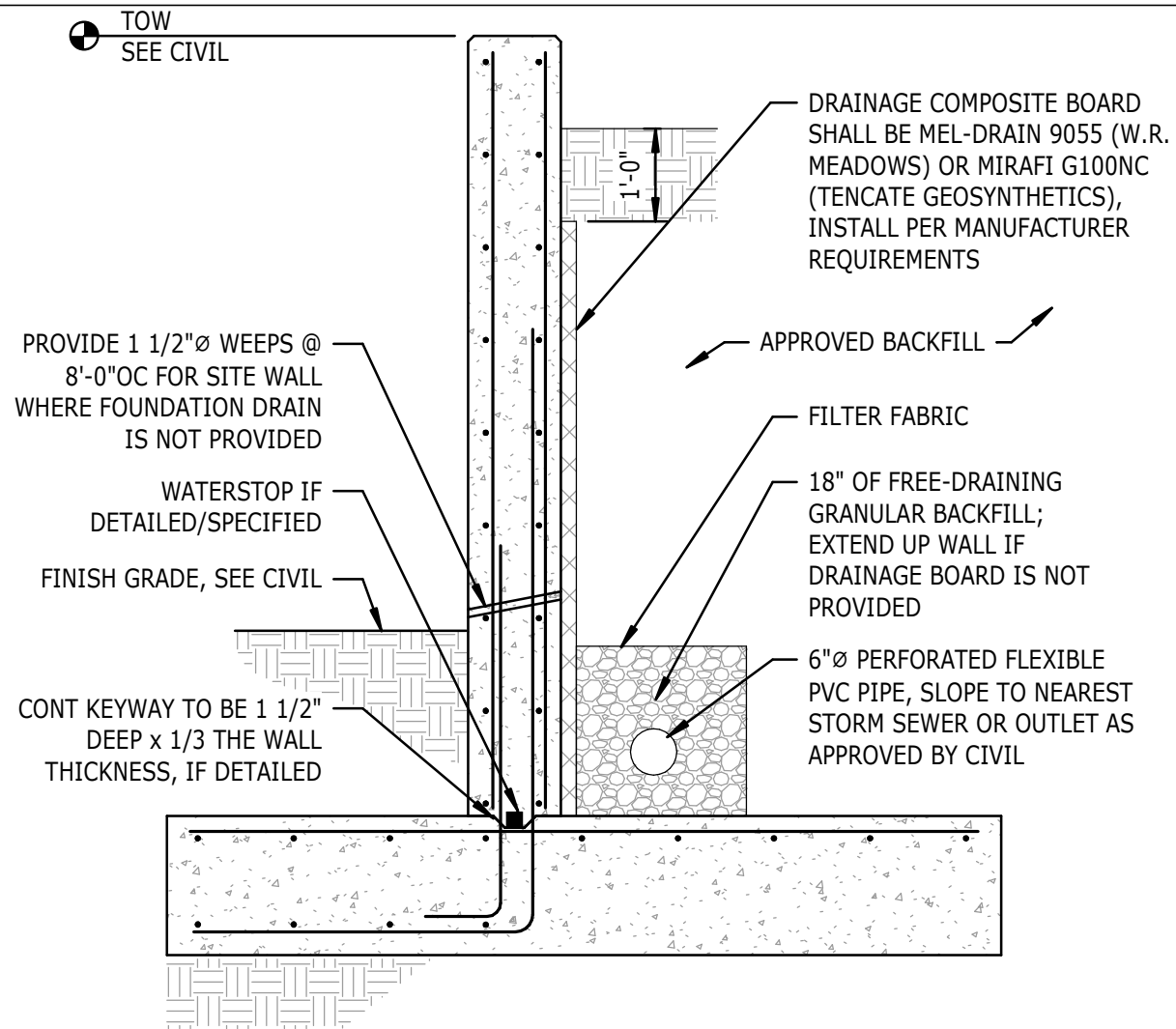
1 DOWEL EMBEDMENT LENGTH SCHEDULE



5 TYPICAL FOOTING AT STEEL COLUMN

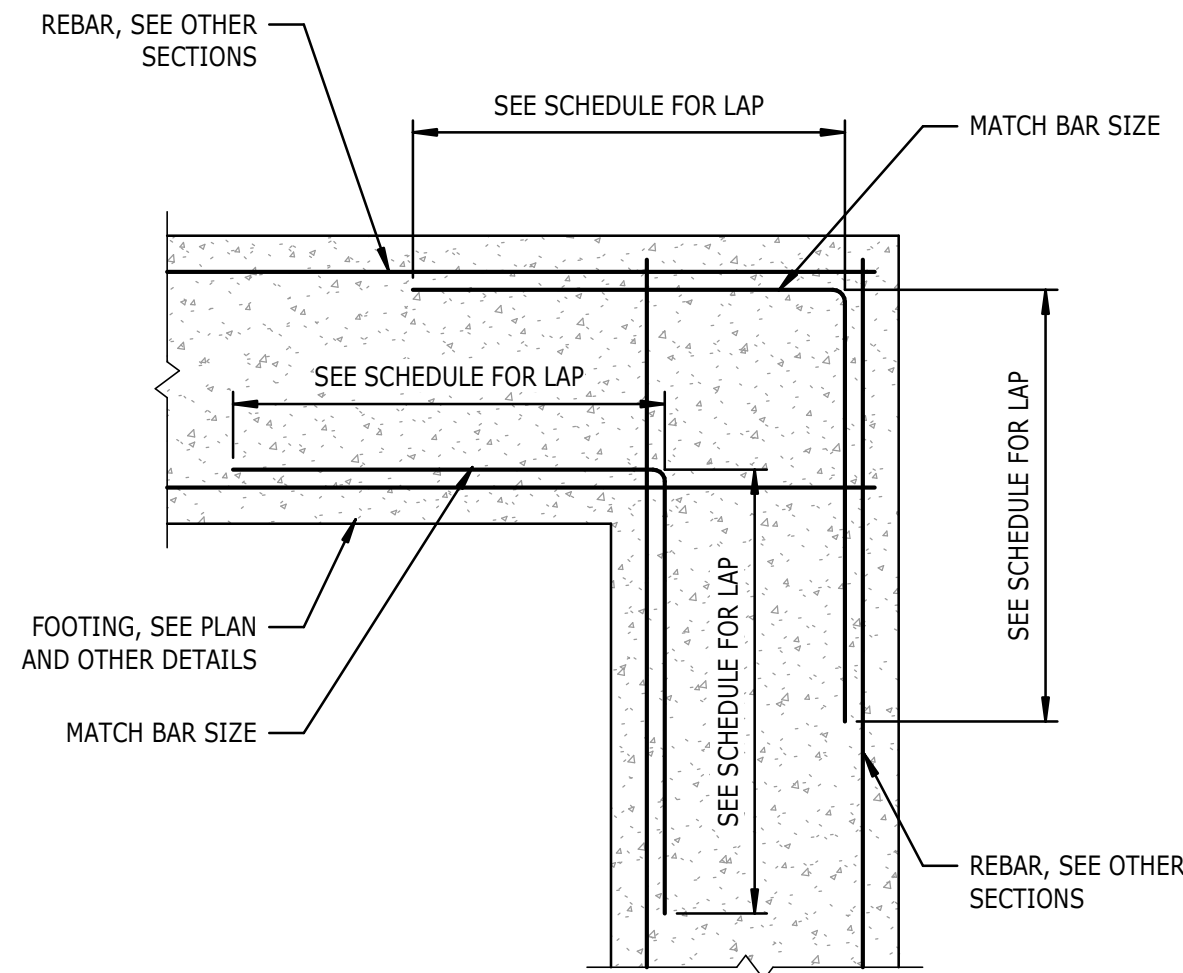


2 TYPICAL STEP IN WALL FOOTING



- NOTES:
1. THIS DETAIL IS INTENDED TO SPECIFY ONLY THE REQUIRED DRAINAGE SYSTEM FOR ALL SITE RETAINING WALLS. SEE OTHER SECTIONS AND DETAILS FOR WALL AND FOOTING SIZES, REINFORCING, ETC.

6 TYP SITE RETAINING WALL DRAINAGE SYSTEM

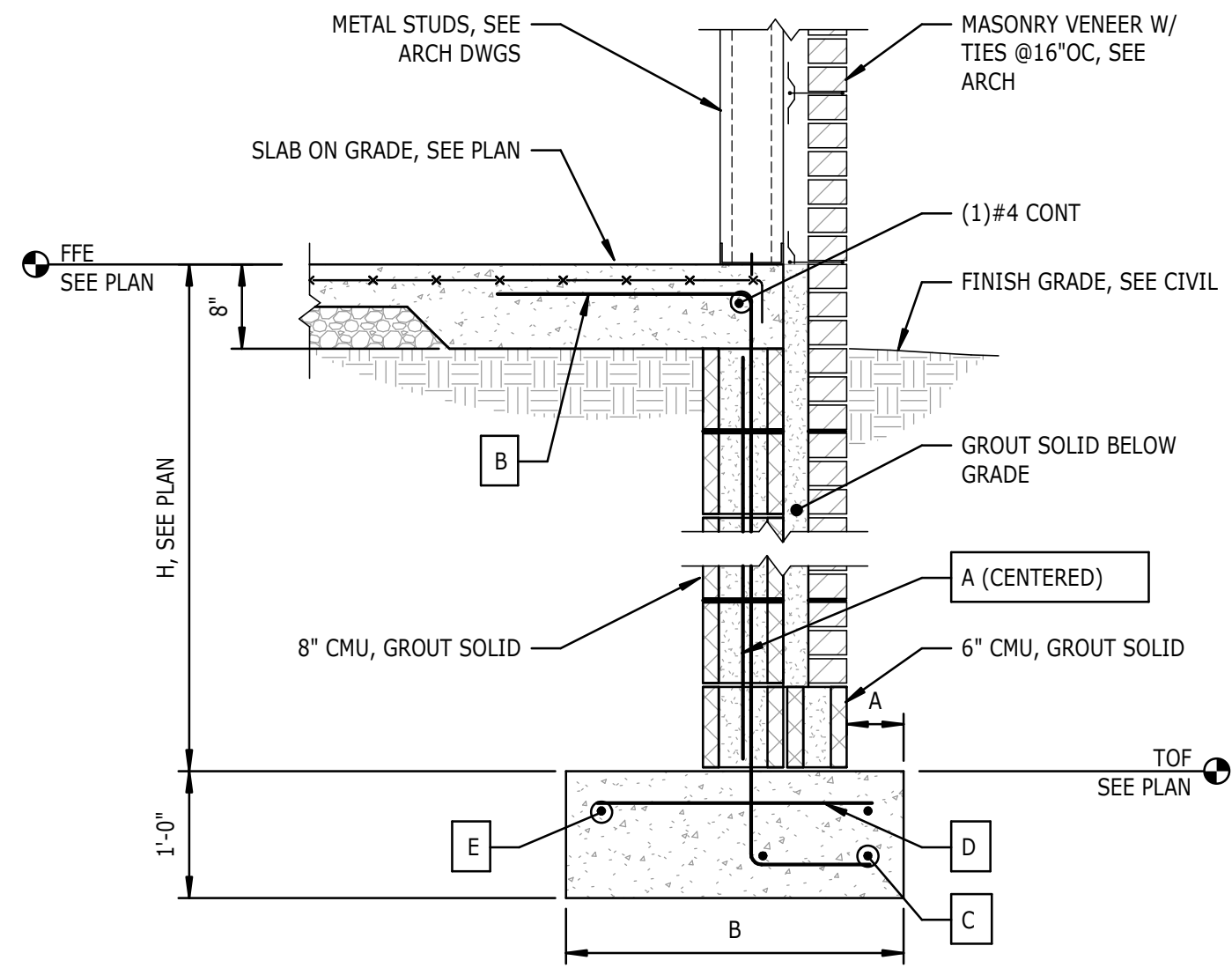


3 TYPICAL FOOTING CORNER

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
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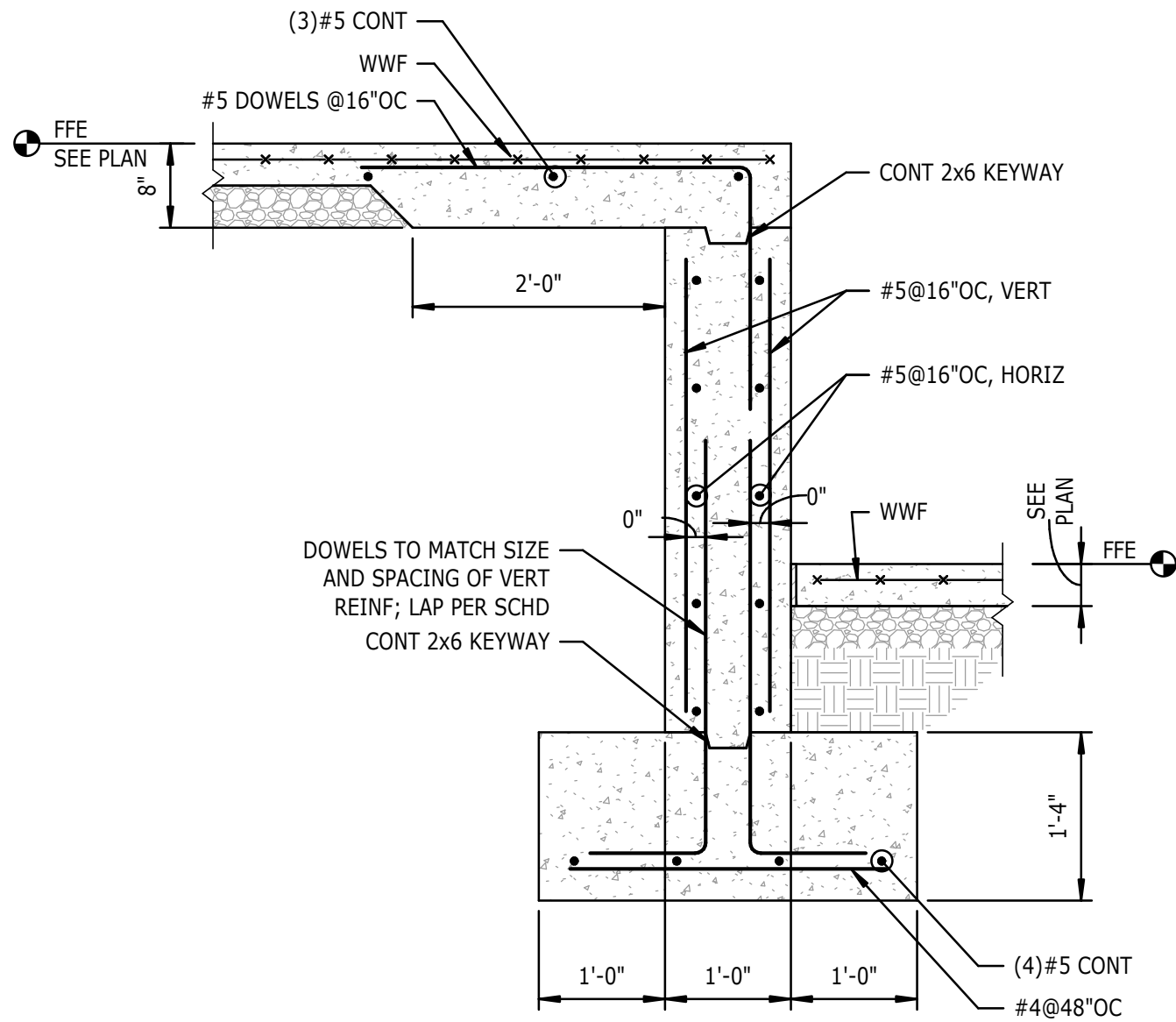
Date Issue Date	Project No. 22038
Drawn By VNA	Sheet No. S3.2
Checked By MBC	Sheet Title FOUNDATION DETAILS



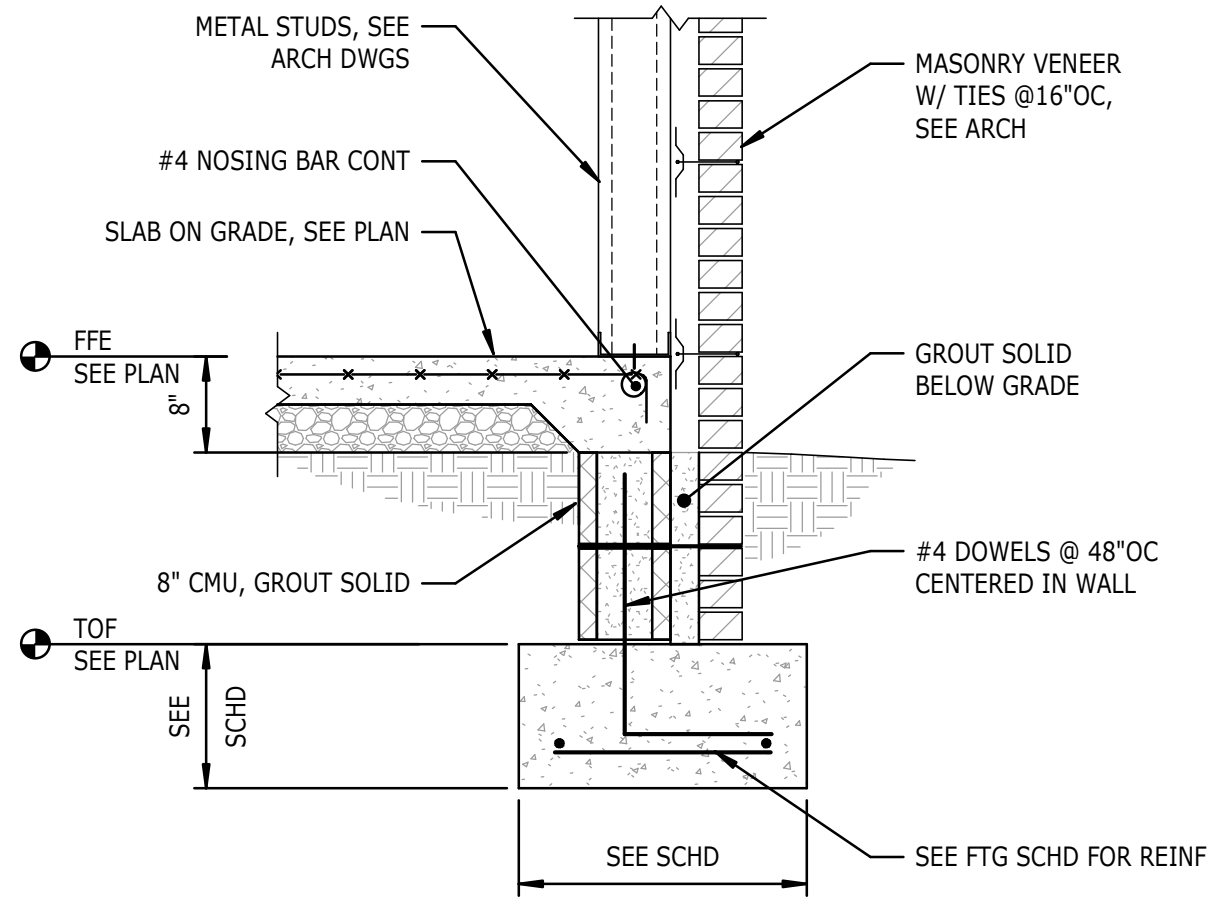
H	A	B	A	B	C	D	E
4'-0"	10"	3'-0"	#5@16"OC	NA	(2)#5	#4@16"OC	(3)#5
6'-0"	1'-3"	3'-8"	#5@8"OC	#5@8"OC	(2)#5	#4@16"OC	(4)#5
8'-0"	1'-3"	3'-8"	#5@8"OC	#5@8"OC	(2)#5	#4@16"OC	(4)#5

NOTES:
1. WHEN "H" IS GREATER THAN OR EQUAL TO 6'-0", WALL MUST BE Laterally BRACED UNTIL SLAB IS POURED.

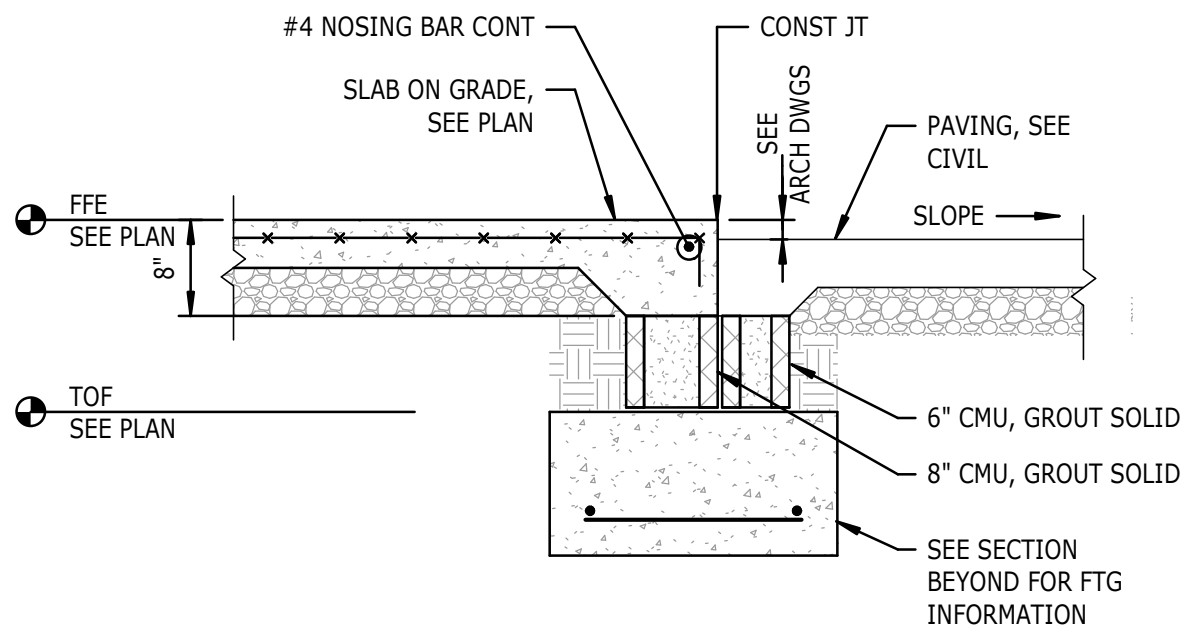
4 TYPICAL RETAINING WALL FOOTING
S3.3 NTS



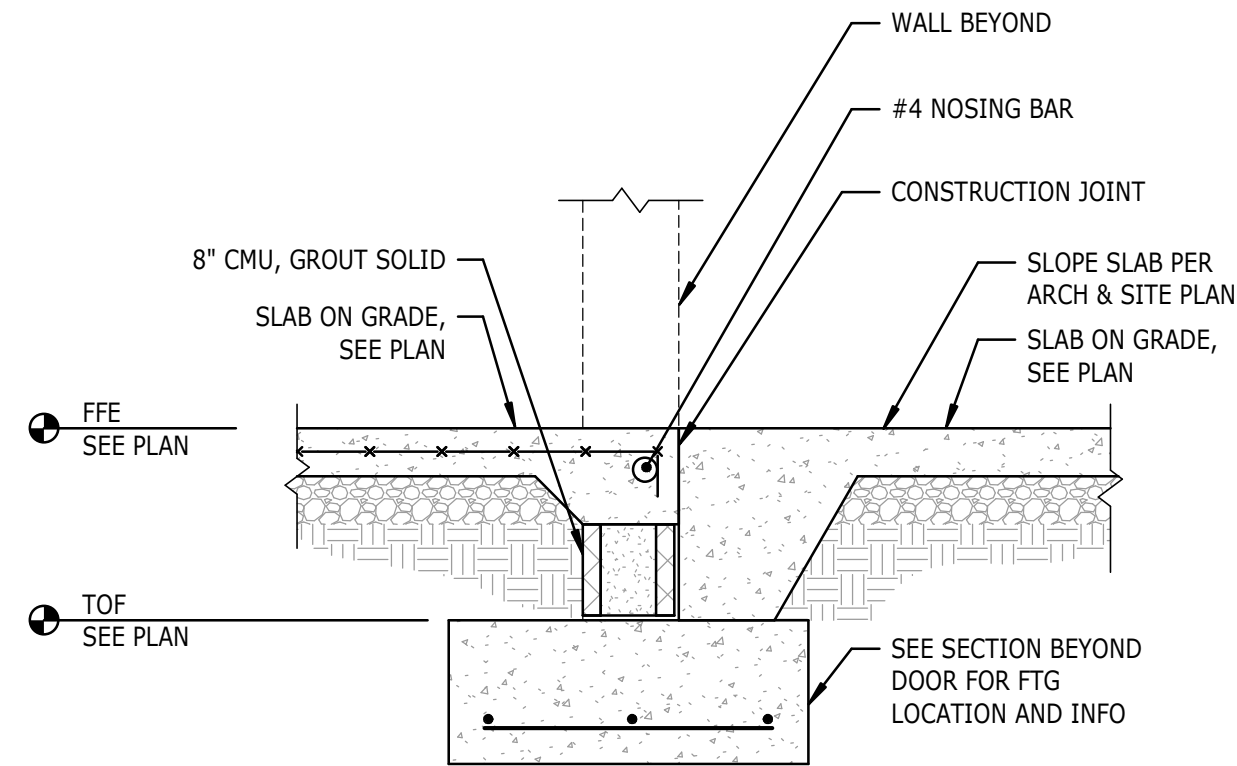
6 TYPICAL RETAINING WALL AT SLAB STEP
S3.3 NTS



1 TYPICAL EXTERIOR WALL FOOTING
S3.3 NTS



2 TYPICAL SLAB ON GRADE AT DOOR
S3.3 NTS



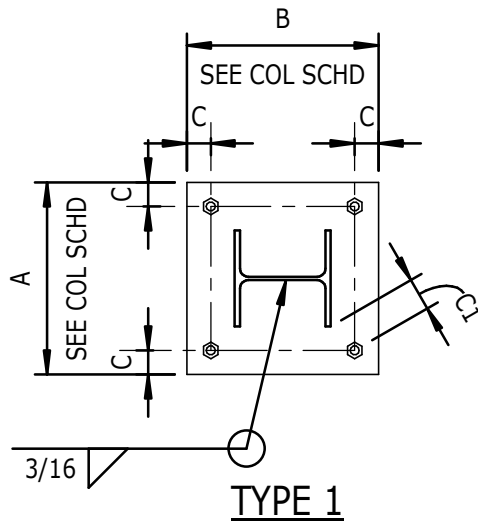
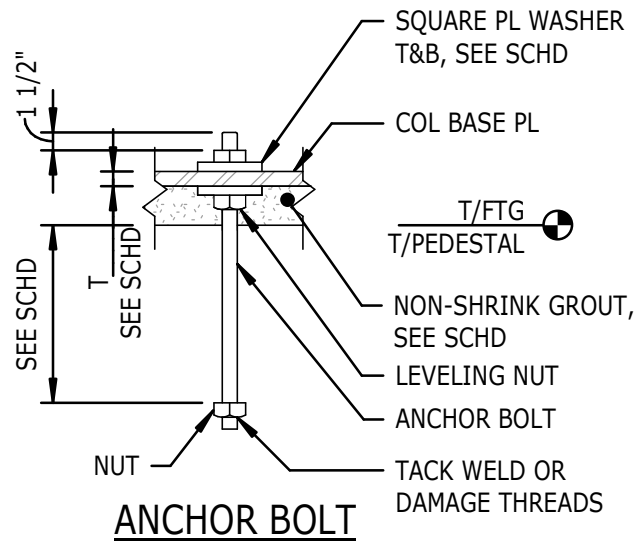
3 TYPICAL SLAB ON GRADE AT PAVING
S3.3 NTS

GENERAL NOTE:
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Date Issue Date	Project No. 22038
Drawn By VNA	Sheet No. S3.3
Checked By MBC	Sheet Title TYPICAL FOUNDATION DETAILS

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BOLT SIZE	3/4"Ø
BOLT GRADE (KSI)	36
DIMENSION "C"	1 1/2"
SQUARE PL WASHER SIZE	1/4"x2"
GROUT THICKNESS	2"
TIGHTENING CLEARANCE "C1"	1 3/16"

NOTES:
1. "C1" DIMENSION IS MINIMUM FOR BASE PLATE SIZE. DETAILER TO LAYOUT ANCHOR BOLTS BASED ON "C" DIMENSION FROM EDGE OF BASE PLATE DIMENSION IN COLUMN SCHEDULE.

1
S5.1
NTS

STEEL COLUMN BASE PLATE SCHEDULE

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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COLLIER
ARCHITECTS

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Date	Project No.
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Date	
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VNA	
Checked By	S5.1
MBC	

Sheet Title
STEEL COLUMN DETAILS
AND SCHEDULES

		<table><tr><th colspan="2">STEEL LOOSE LINTEL ANGLE SUPPORTING MASONRY VENEER</th></tr><tr><th>CLEAR OPENING</th><th>LOOSE LINTEL ANGLE</th></tr><tr><td>UP TO 5'-0"</td><td>L4x4x3/8</td></tr><tr><td>5'-1" TO 8'-0"</td><td>L6x4x3/8 (LLV)</td></tr><tr><td>8'-1" TO 10'-0"</td><td>L7x4x3/8 (LLV)</td></tr><tr><td>10'-1" TO 12'-0"</td><td>L8x4x1/2 (LLV)</td></tr></table> SEE ARCH DWGS FOR CAVITY DIM MASONRY VENEER W/TIES @16"OC, SEE ARCH LOOSE LINTEL ANGLE, SEE SCHED WITHOUT CLOSURE PLATE SEE ARCH DWGS FOR CAVITY DIM MASONRY VENEER W/TIES @16"OC, SEE ARCH EXTERIOR WALL LOOSE LINTEL ANGLE, SEE SCHED CLOSURE PLATE AS REQD WITH CLOSURE PLATE NOTES: 1. ALL LOOSE LINTELS SHALL BE PAINTED OR GALVANIZED, SEE ARCHITECTURAL DRAWINGS. 2. PROVIDE 6" MINIMUM BEARING FOR OPENINGS UP TO 8'-0" WIDE. PROVIDE 8" MINIMUM BEARING FOR OPENINGS OVER 8'-0" WIDE. 3. SEE ARCHITECTURAL DRAWINGS FOR ANGLE PLACEMENT AND FLASHING. 4. LOOSE LINTEL ANGLES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF OPENINGS REQUIRING ANGLES. 5. FOR CLEAR OPENING DIMENSIONS GREATER THAN THOSE SHOWN IN THE SCHEDULE, SEE OTHER DETAILS OR CONTACT THE ENGINEER OF RECORD.	STEEL LOOSE LINTEL ANGLE SUPPORTING MASONRY VENEER		CLEAR OPENING	LOOSE LINTEL ANGLE	UP TO 5'-0"	L4x4x3/8	5'-1" TO 8'-0"	L6x4x3/8 (LLV)	8'-1" TO 10'-0"	L7x4x3/8 (LLV)	10'-1" TO 12'-0"	L8x4x1/2 (LLV)
STEEL LOOSE LINTEL ANGLE SUPPORTING MASONRY VENEER														
CLEAR OPENING	LOOSE LINTEL ANGLE													
UP TO 5'-0"	L4x4x3/8													
5'-1" TO 8'-0"	L6x4x3/8 (LLV)													
8'-1" TO 10'-0"	L7x4x3/8 (LLV)													
10'-1" TO 12'-0"	L8x4x1/2 (LLV)													
		1 S5.2 STEEL LOOSE LINTEL SCHEDULE NTS												

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VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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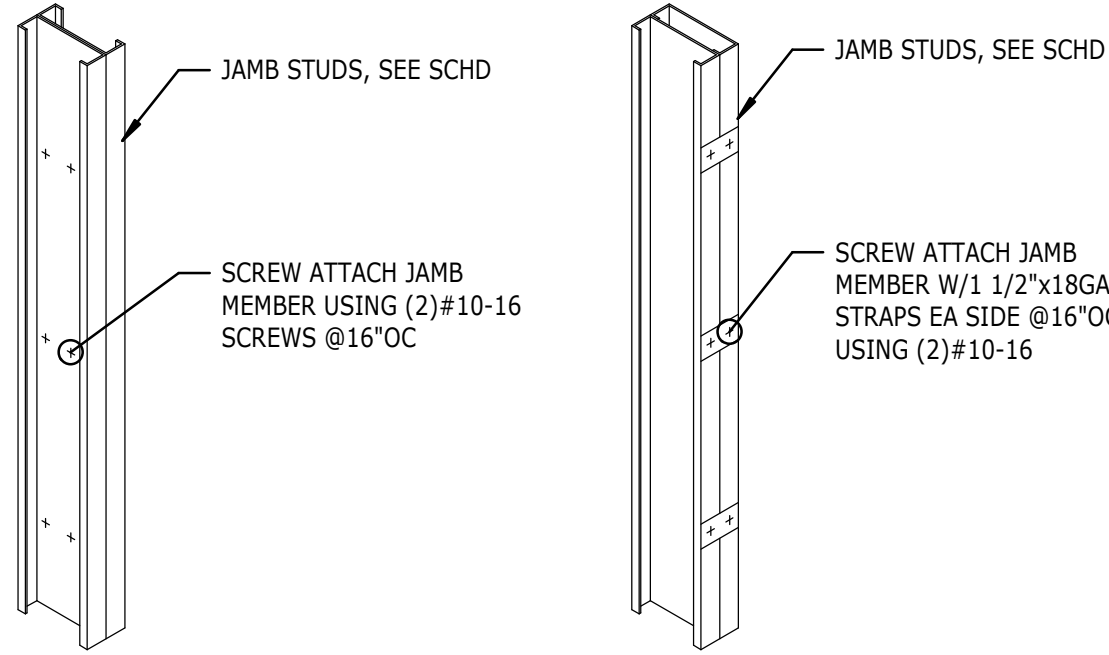
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GENERAL NOTE:
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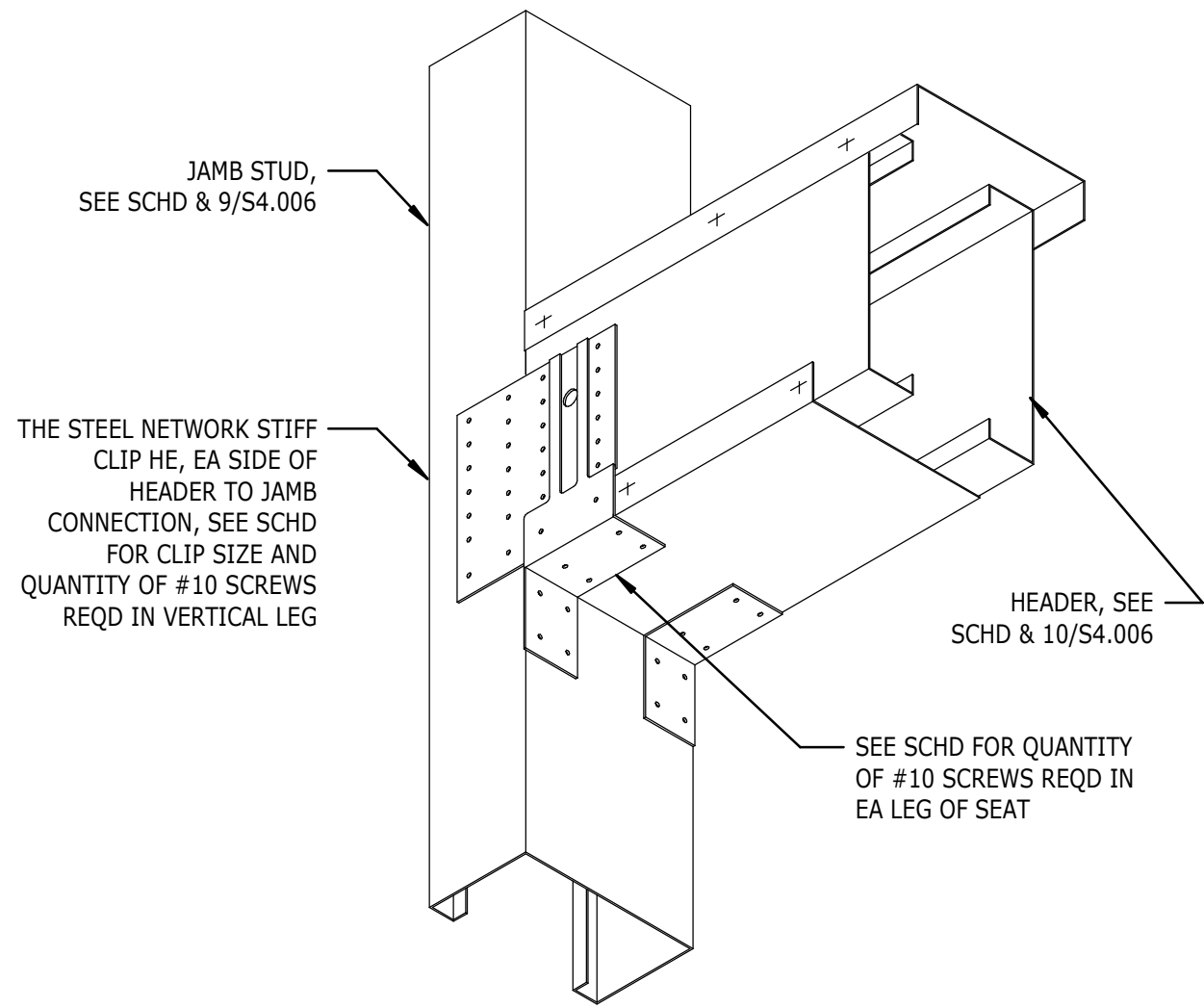
#	Description	Date

Date	Project No.
Issue	22038
Date	
Drawn By	Sheet No.
VNA	
Checked By	S5.2
MBC	
Sheet Title	
STEEL FRAMING DETAILS	



NOTE:
1. IN LIEU OF SCREWS/STRAPS SHOWN, MULTIPLE STUDS CAN BE WELDED TOGETHER PER GENERAL NOTES.

10
S5.3
LBMS-036
NTS



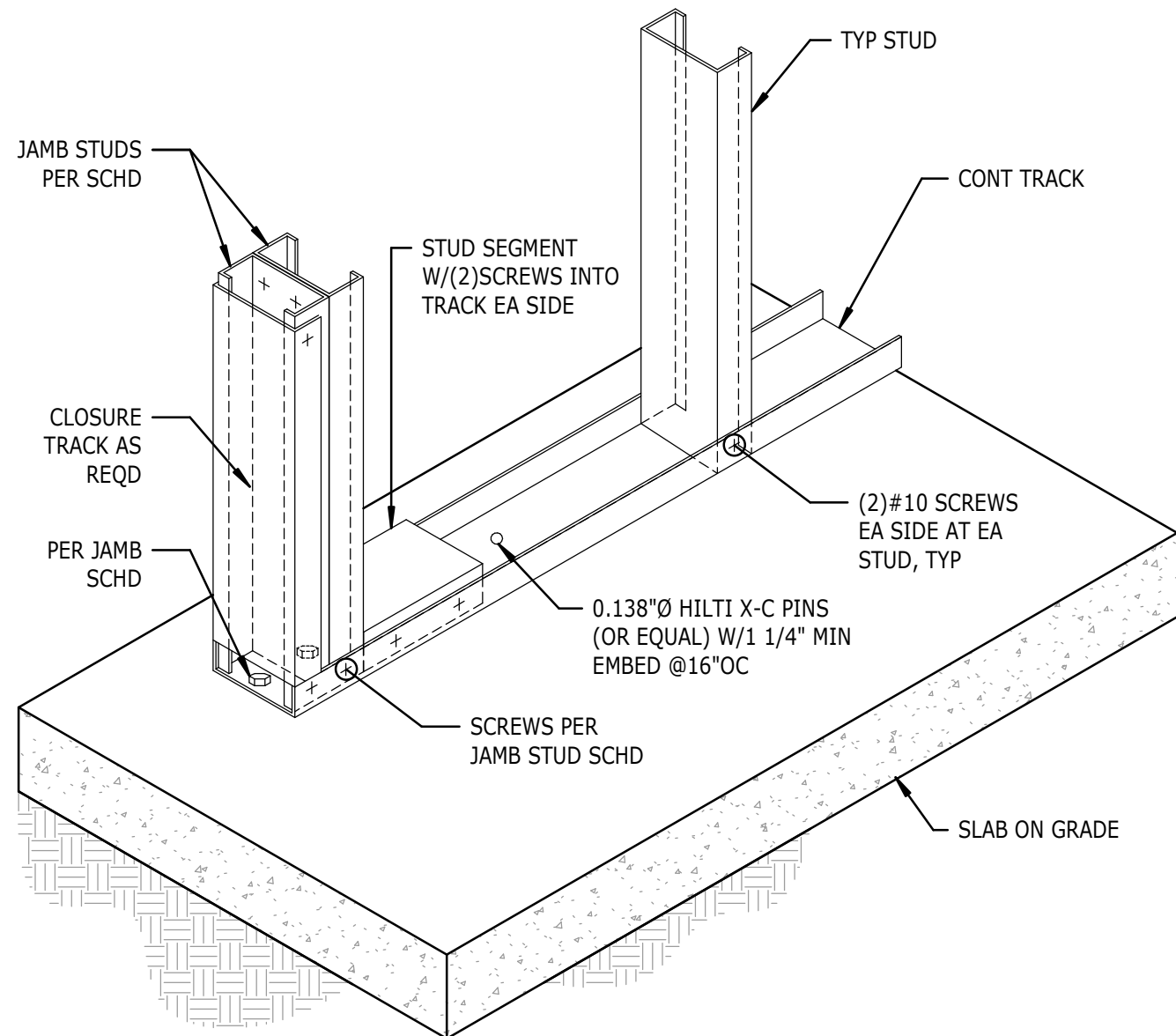
7
S5.3
LBMS-025
NTS

LOAD BEARING WALL CONSTRUCTION SCHEDULE						
STORY	TYPE	SIZE/GAUGE	Fy	SPACING	BRIDGING	NOTES
SOG TO ROOF	EXTERIOR	600S250-68	50 KSI	16"OC	4'-0"OC MAX	-
	INTERIOR	600S250-97	50 KSI	12"OC	4'-0"OC MAX	-

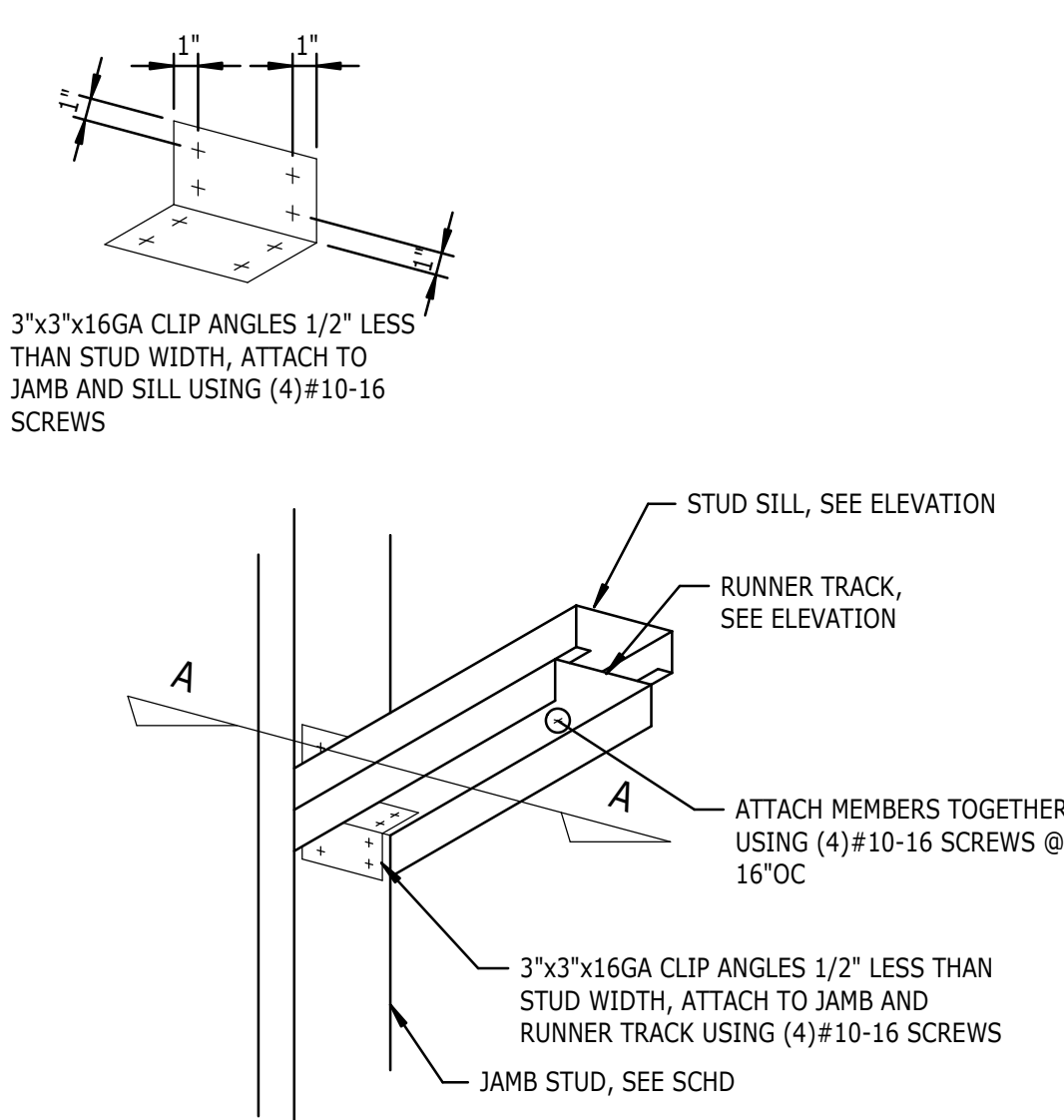
NON-LOAD BEARING EXTERIOR WALL CONSTRUCTION SCHEDULE						
STORY	TYPE	SIZE/GAUGE	Fy	SPACING	BRIDGING	NOTES
2ND FLOOR TO TOP OF WALL	EXTERIOR	600S162-54	33 KSI	16"OC	4'-0"OC MAX	-
	EXTERIOR, CORNER ZONE	600S162-54	33 KSI	12"OC	4'-0"OC MAX	CORNER ZONE WIDTH IS X'-X"
1ST FLOOR TO 2ND FLOOR	EXTERIOR	600S162-54	33 KSI	16"OC	4'-0"OC MAX	-
	EXTERIOR, CORNER ZONE	600S162-54	33 KSI	12"OC	4'-0"OC MAX	CORNER ZONE WIDTH IS X'-X"

- NOTES:
1. STUD GAUGE (MIL)
FLANGE WIDTH (IN)
STUD DEPTH (IN)
2. "Fy" INDICATES MINIMUM YIELD STRENGTH.
3. SEE S-/--- FOR TYPICAL DETAILS.
4. TOP AND BOTTOM TRACK SHALL BE 54-MIL (16GA) MINIMUM THICKNESS.

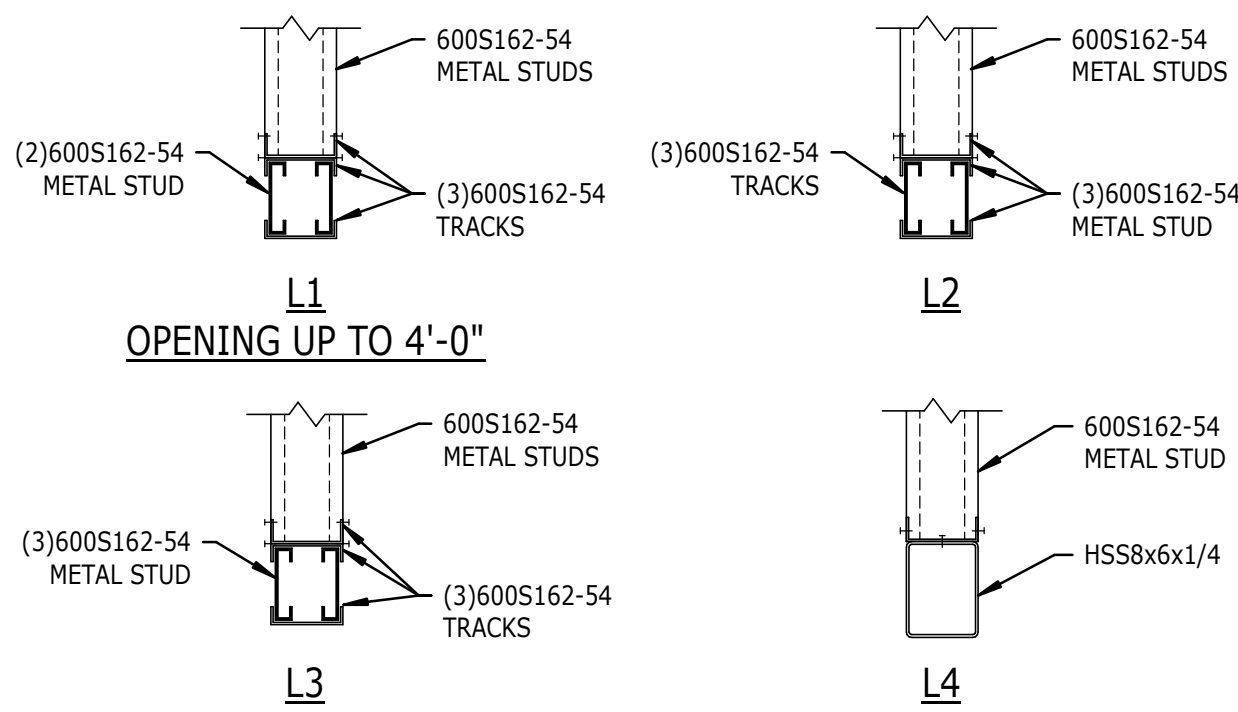
1
S5.3
WALL CONSTRUCTION SCHEDULE
NTS



11
S5.3
LBMS-034
NTS

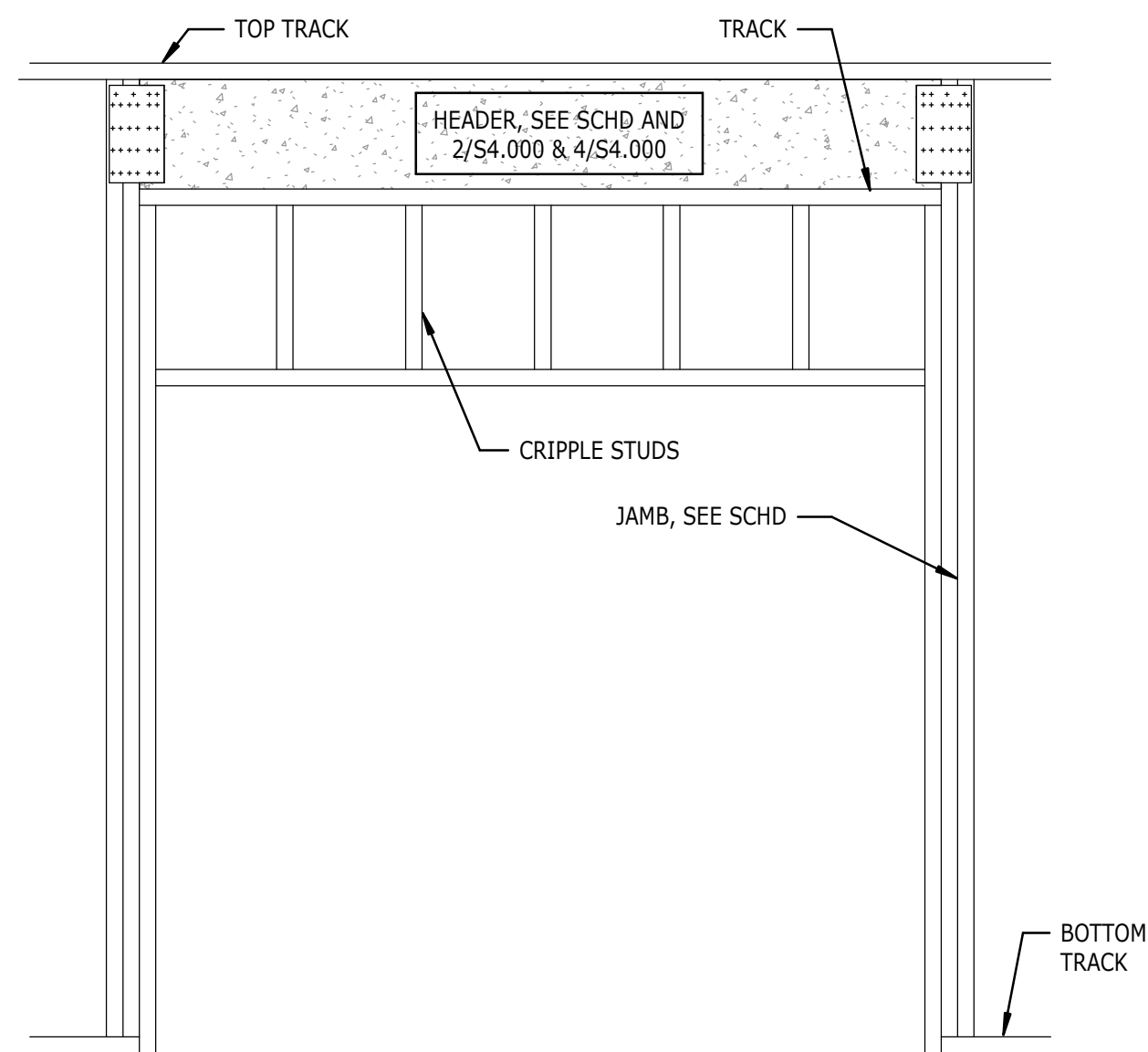


8
S5.3
LBMS-027
NTS

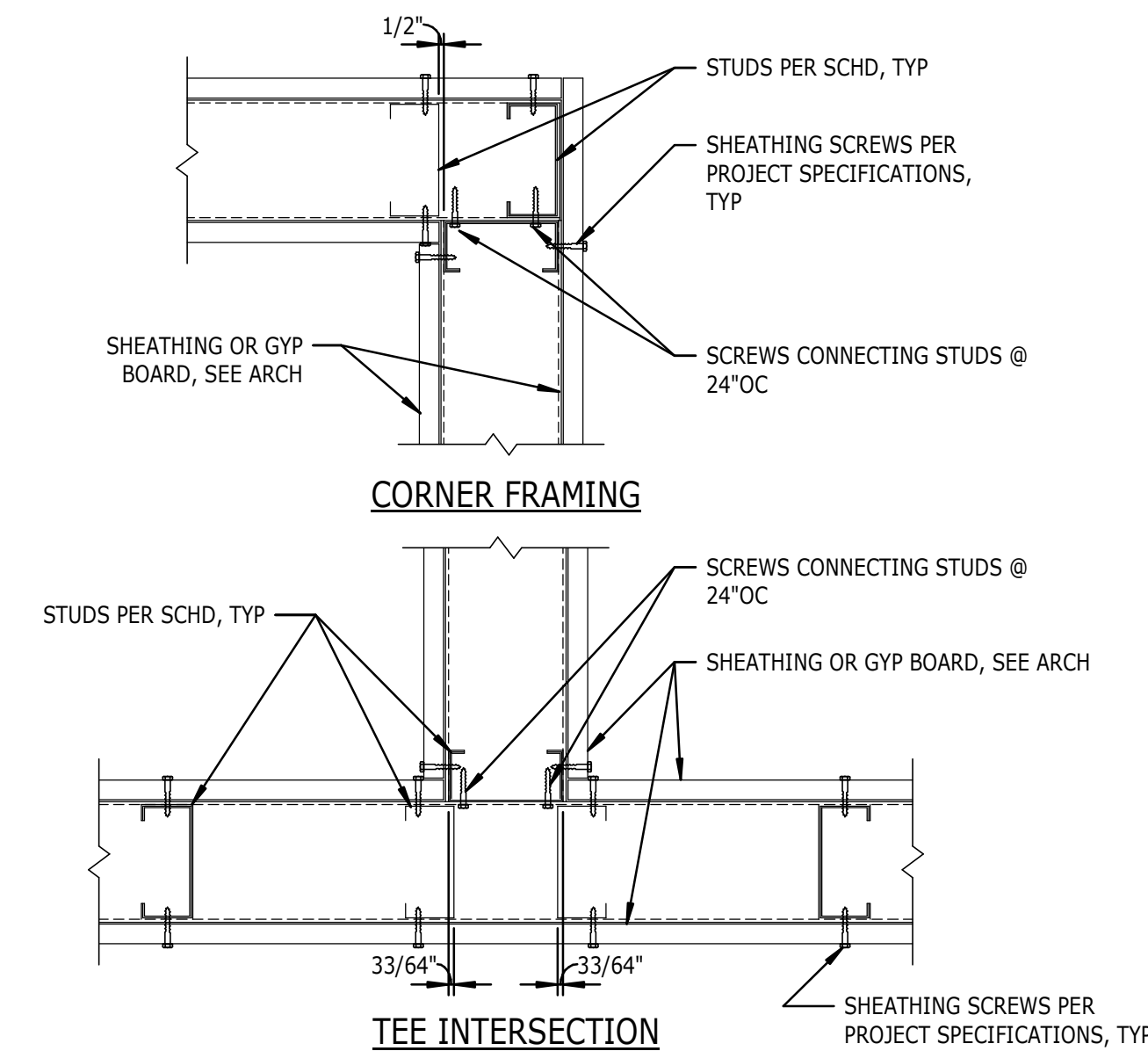


- NOTES:
1. PROVIDE (2) JACK STUDS AND (2) FULL HEIGHT STUDS AT EACH END OF COLD-ROLLED HEADERS, TYPICAL. MULTIPLE STUDS SHALL BE SECURELY FASTENED TOGETHER FULL HEIGHT. SEE DETAIL /S_.
2. PROVIDE WEB STIFFENERS AT POINT LOAD FROM GIRDER TRUSS AND ENDS OF HEADERS.
3. COLD ROLLED HEADER MEMBERS SHALL BE UNPUNCHED SECTIONS.
4. L4 BEARING CONNECTION, SEE /S_.
5. REFER TO ARCHITECTURAL DRAWINGS FOR OPENING DIMENSIONS AND EXACT LOCATIONS.

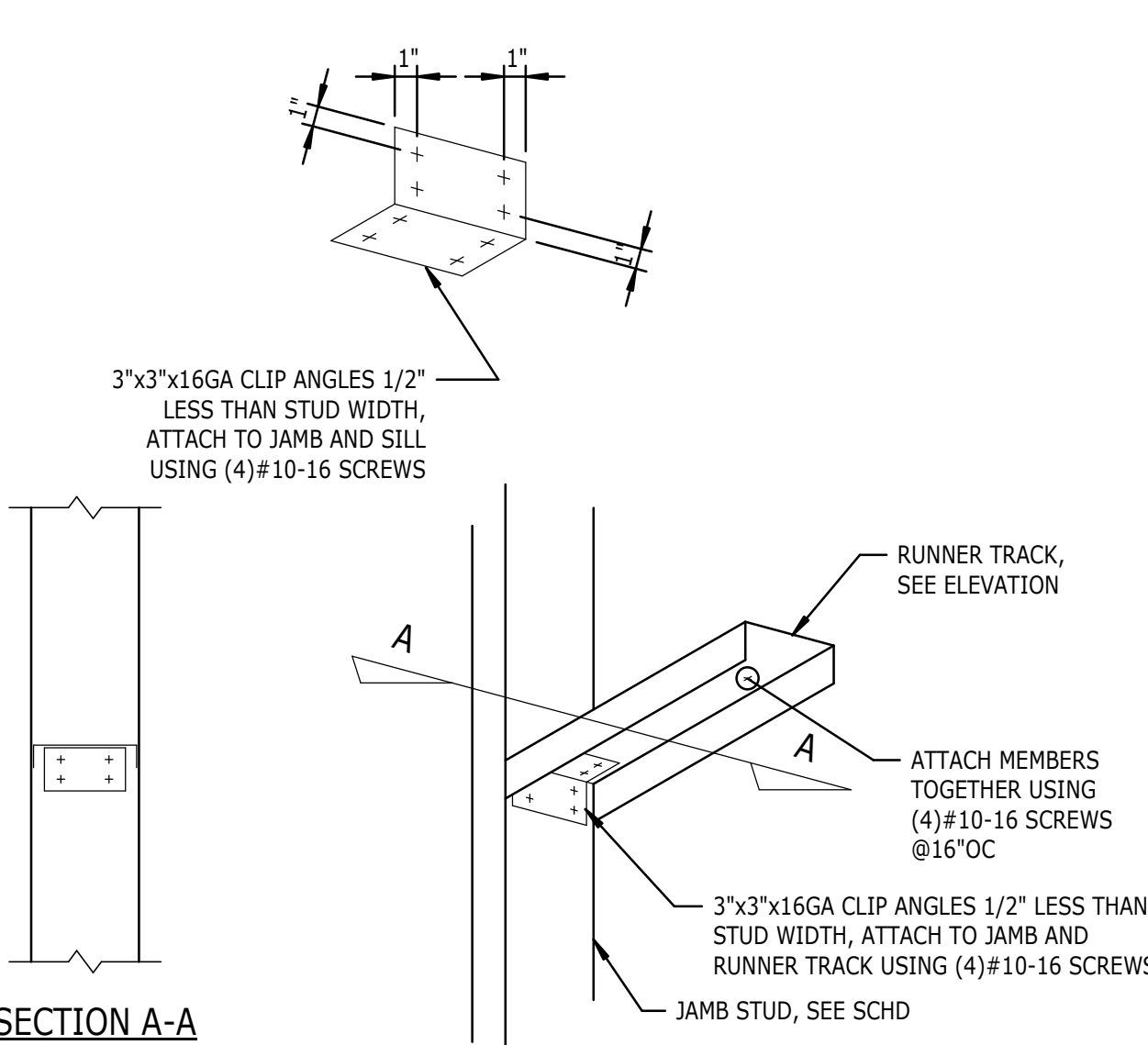
5
S5.3
LOAD BEARING HEADER SCHEDULE
NTS



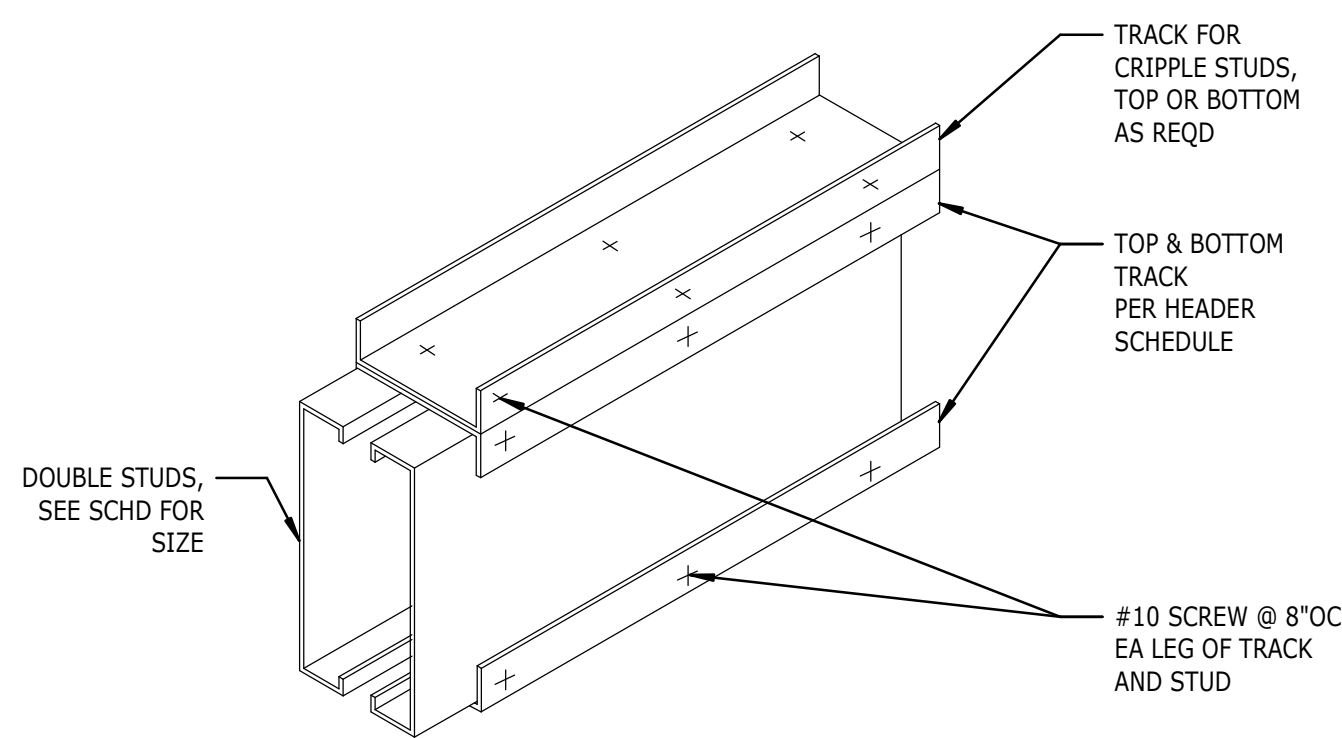
INTERIOR CONDITION



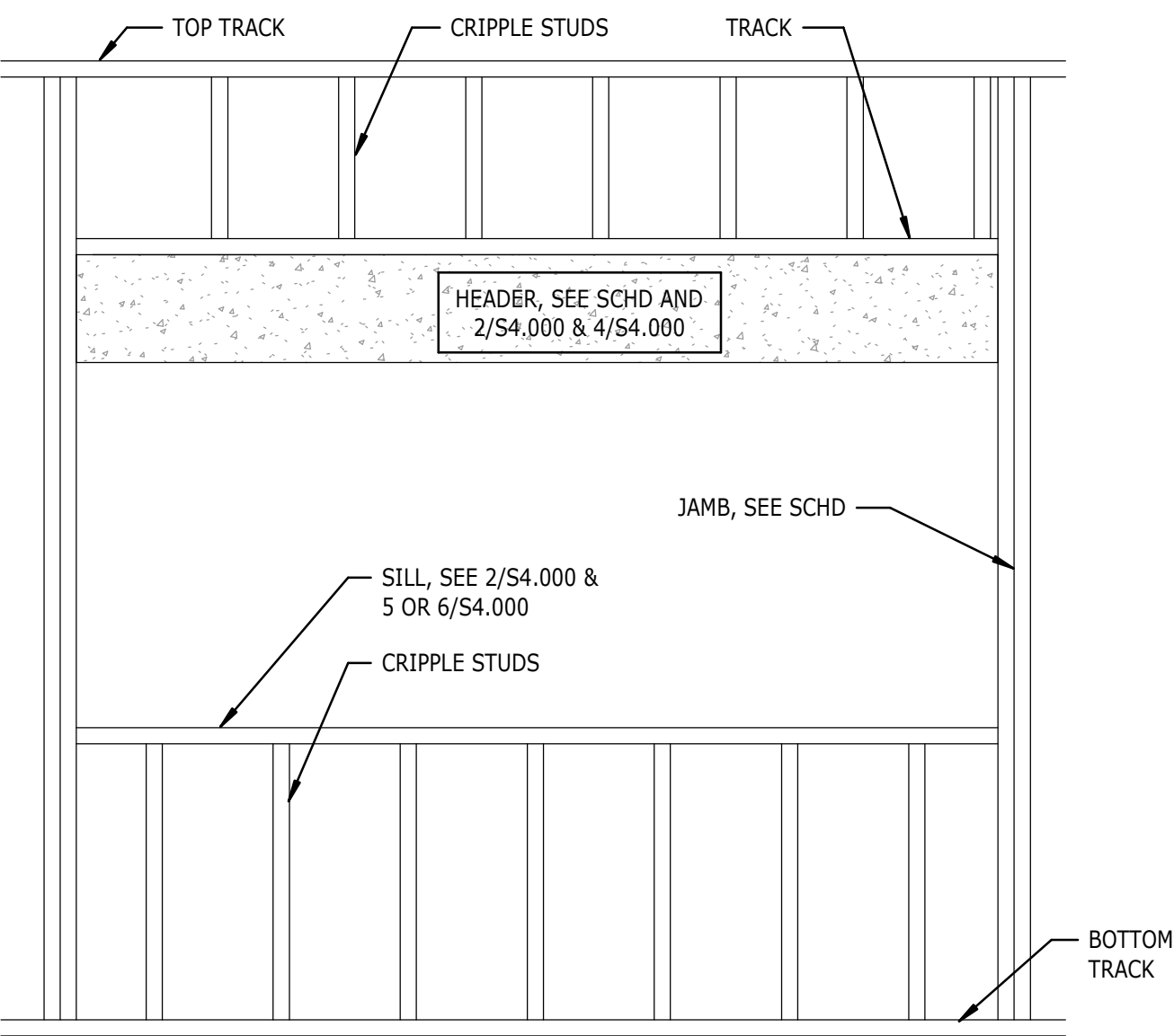
12
S5.3
LBMS-035
NTS



9
S5.3
LBMS-028
NTS



6
S5.3
LBMS-024
NTS



EXTERIOR CONDITION

2
S5.3
LBMS-023
NTS

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VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

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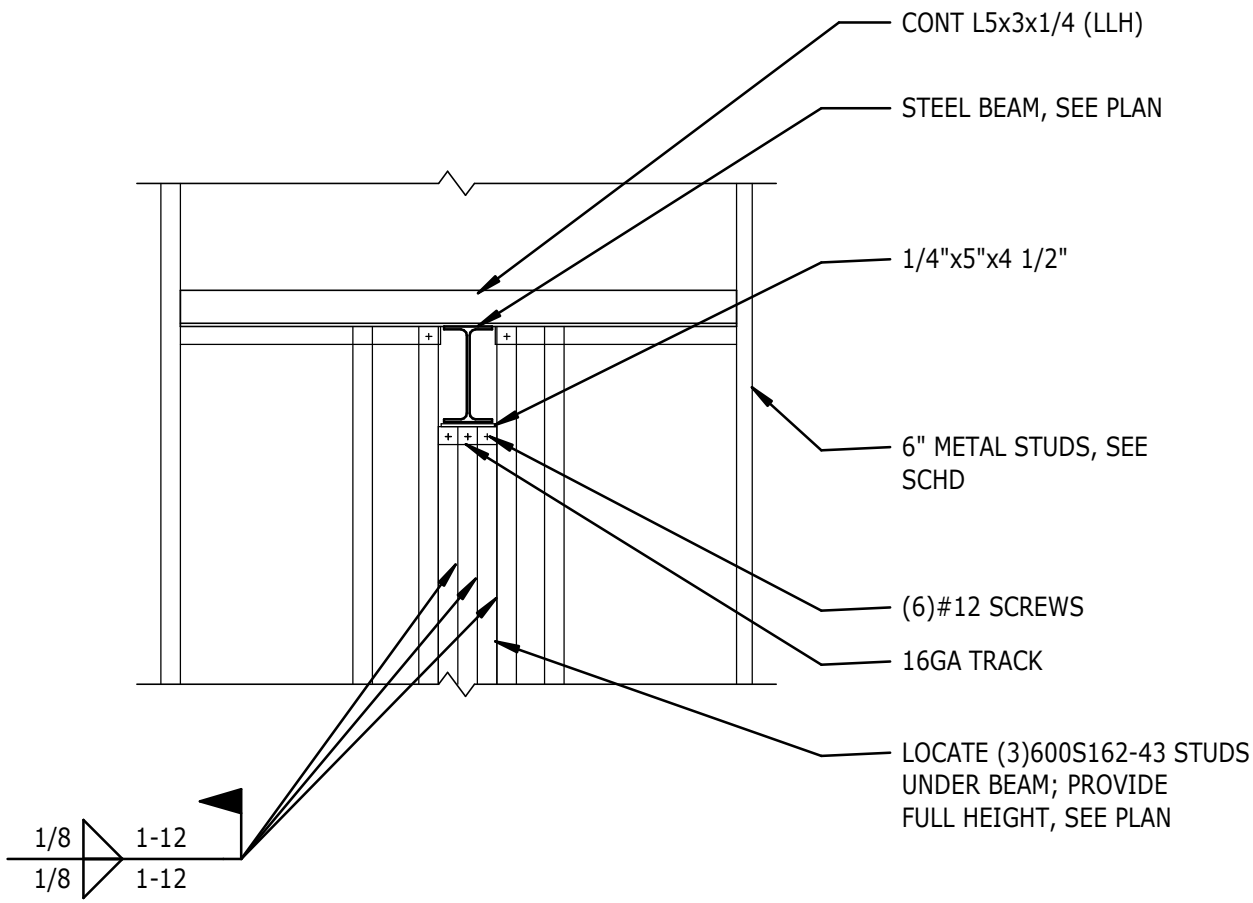
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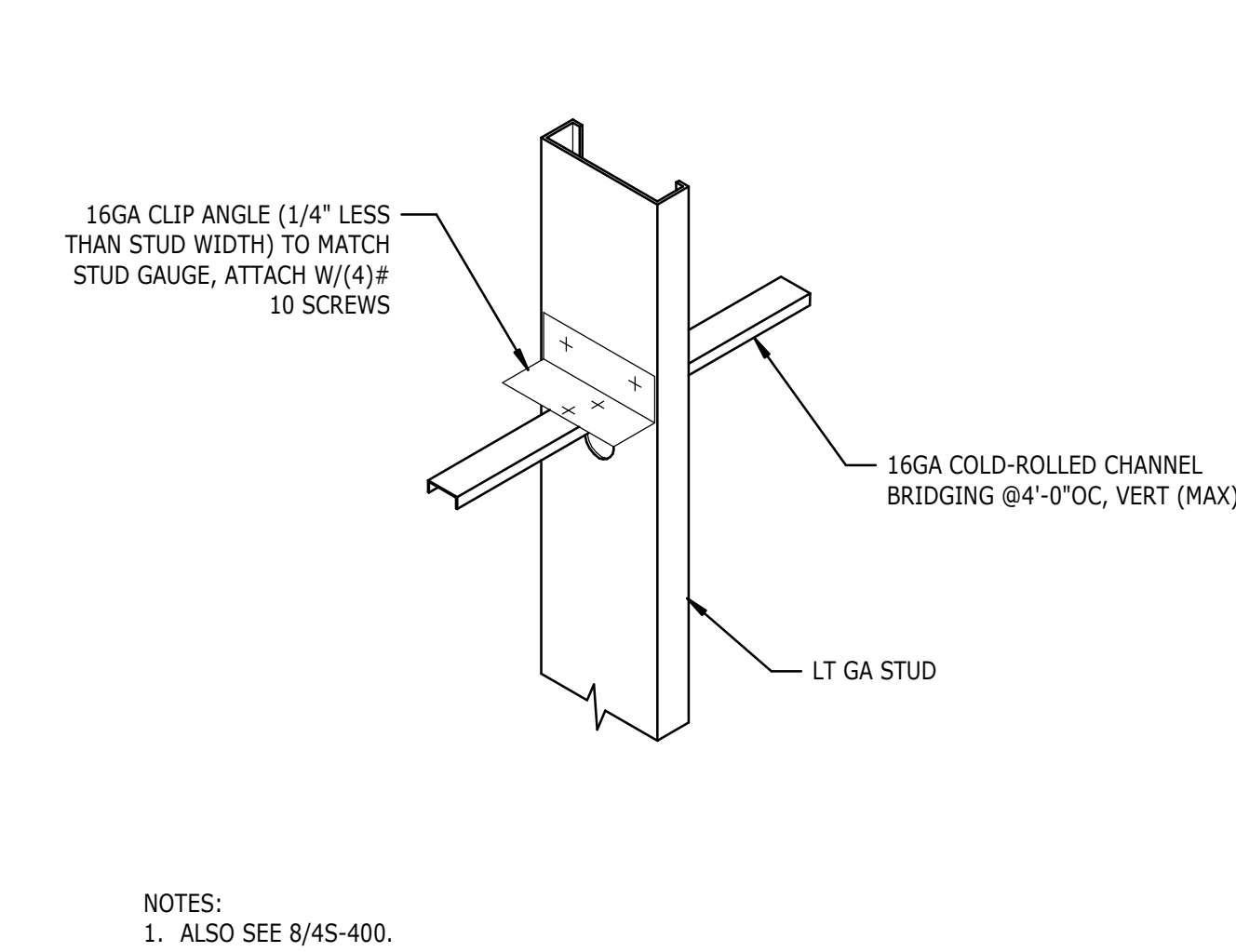
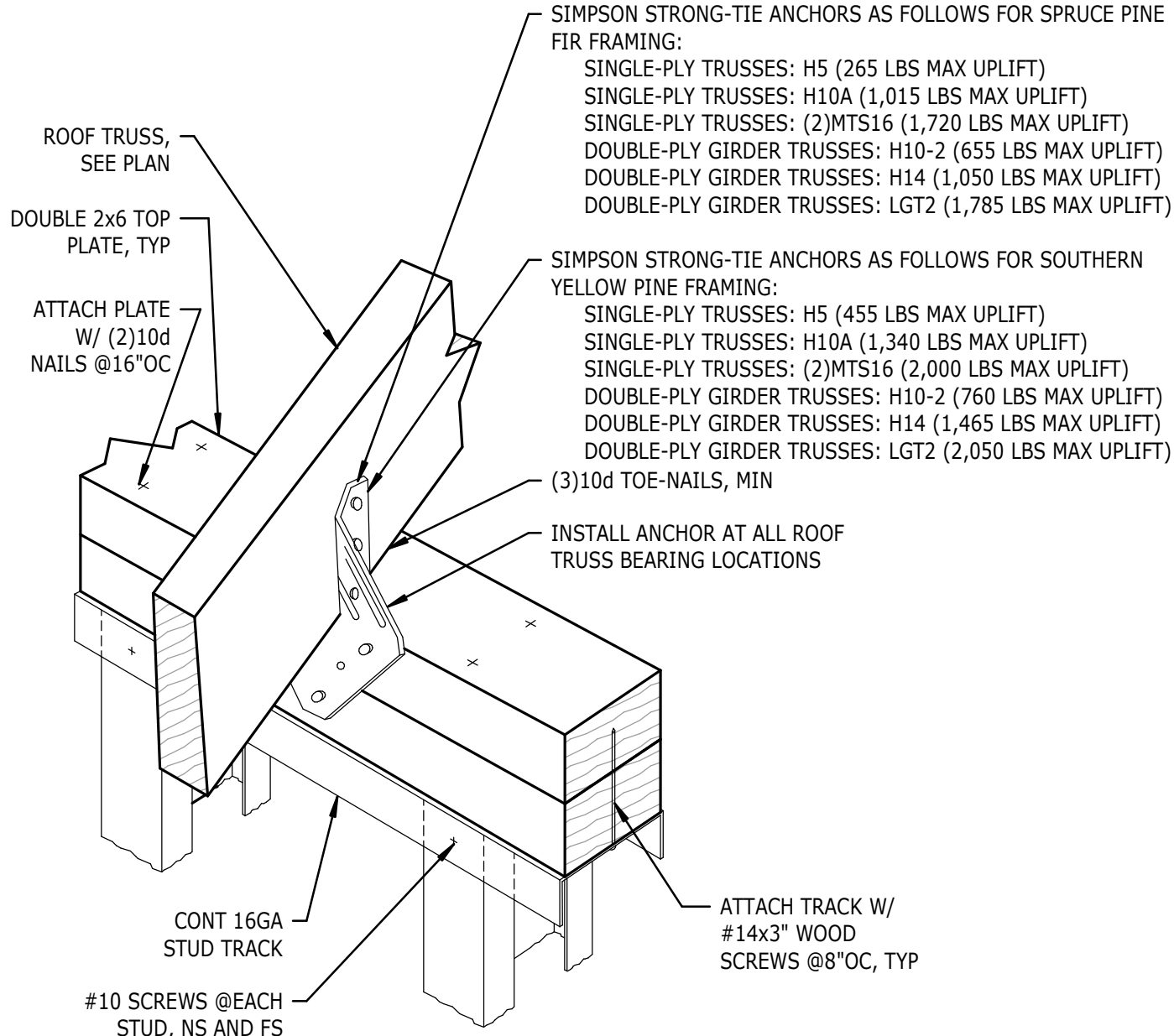
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Description Date

Date
Issue Date
22038
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Sheet Title
METAL STUD DETAILS

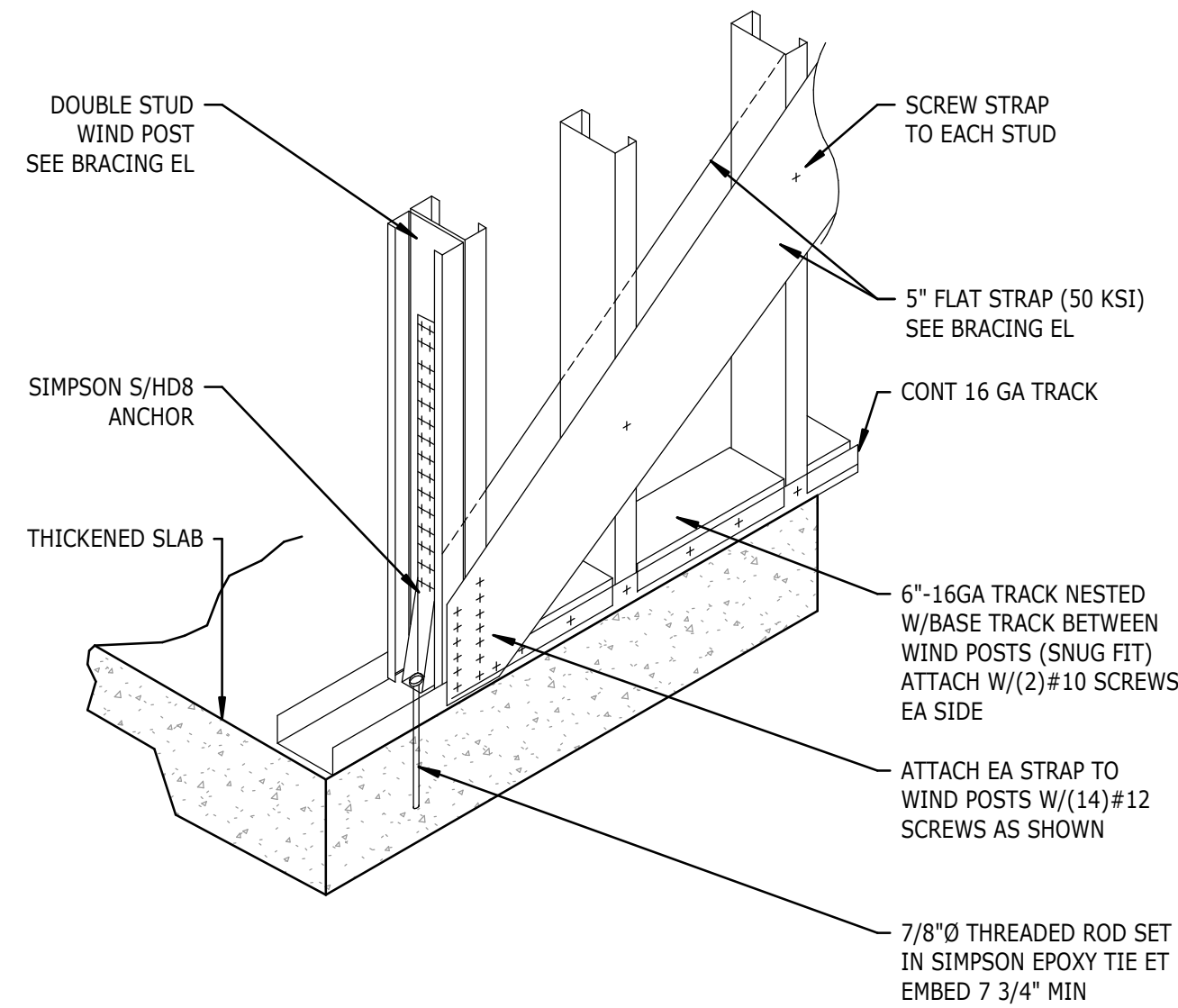
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10
S5.4
LBMS-032
NTS



1
S5.4
LBMS-029
NTS



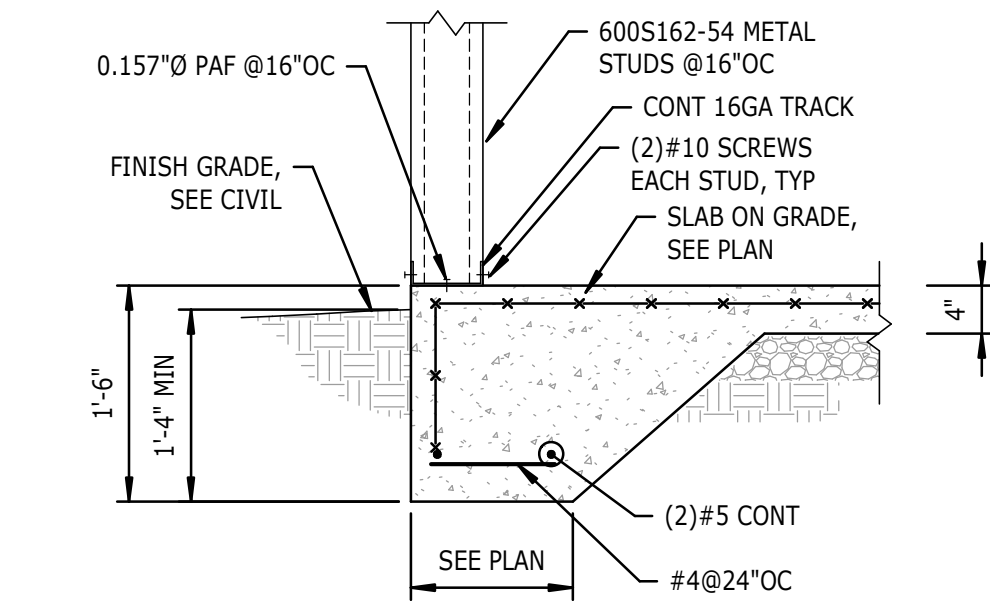
11
S5.4
STRAP ANCHORAGE
NTS

STUD UPLIFT ANCHOR REQUIREMENTS	
SOUTHERN YELLOW PINE FRAMING, TRUSS SPACING @24"OC	
TRUSS REACTION	ANCHOR TYPE
LESS THAN 330 LBS	NONE
330 LBS TO 1,200 LBS	H2.5A
1,200 LBS TO 2,500 LBS	H2.5A PLUS H6
GREATER THAN 2,500 LBS	CONTACT ENGR

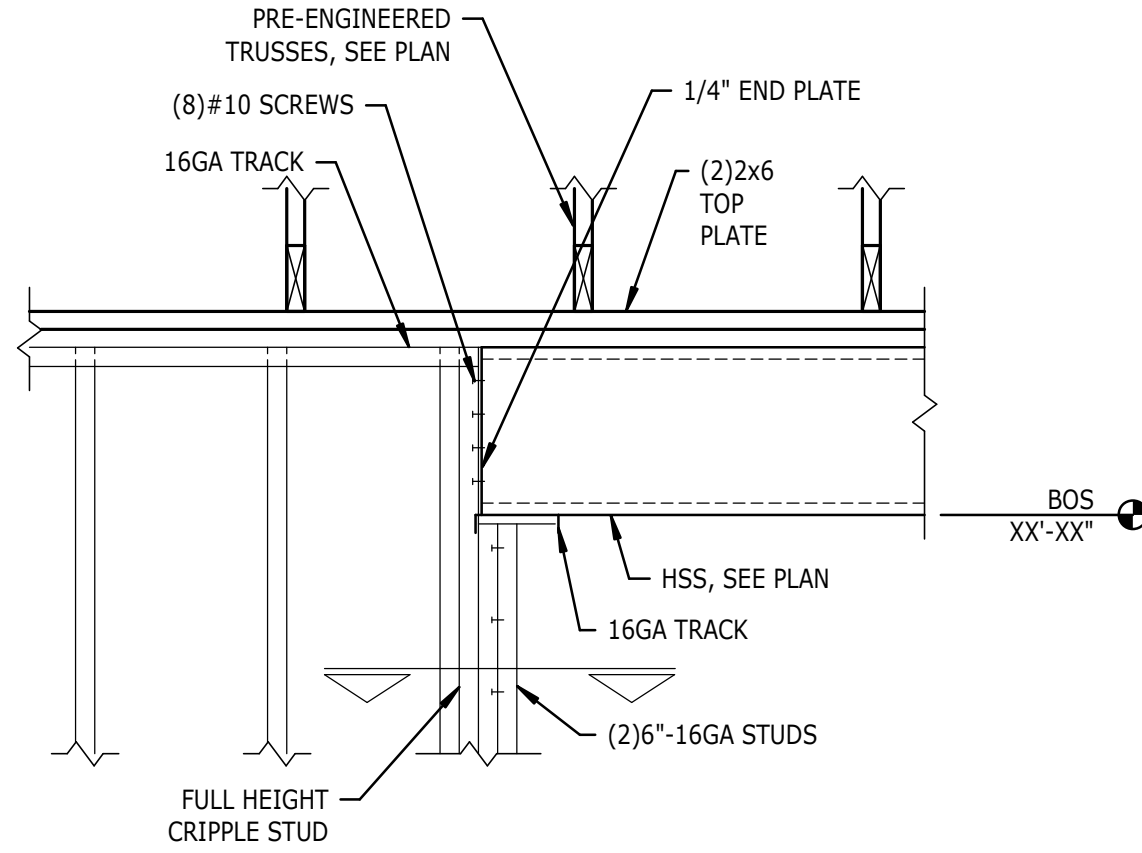
STUD UPLIFT ANCHOR REQUIREMENTS	
SPRUCE PINE FIR FRAMING, TRUSS SPACING @24"OC	
TRUSS REACTION	ANCHOR TYPE
LESS THAN 330 LBS	NONE
330 LBS TO 1,100 LBS	H2.5A
1,100 LBS TO 2,250 LBS	H2.5A PLUS H6
GREATER THAN 2,250 LBS	CONTACT ENGR

NOTES:
1. TRUSS MANUFACTURER OR CONTRACTOR SHALL SUBMIT FOR ADDITIONAL HOLDOWN ANCHORS AT TRUSS GIRDER, MULTI-PLY TRUSSES, JACK TRUSSES, AND HIP AND VALLEY TRUSSES.

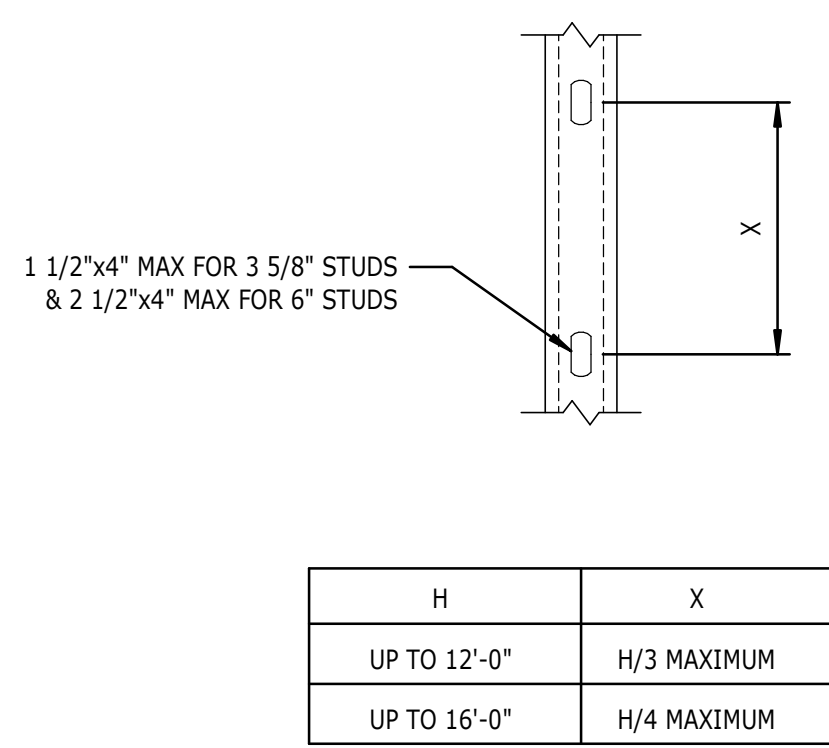
7
S5.4
TYPICAL ROOF TRUSS CONNECTION
NTS



4
S5.4
AT PERIMETER FOOTING
NTS

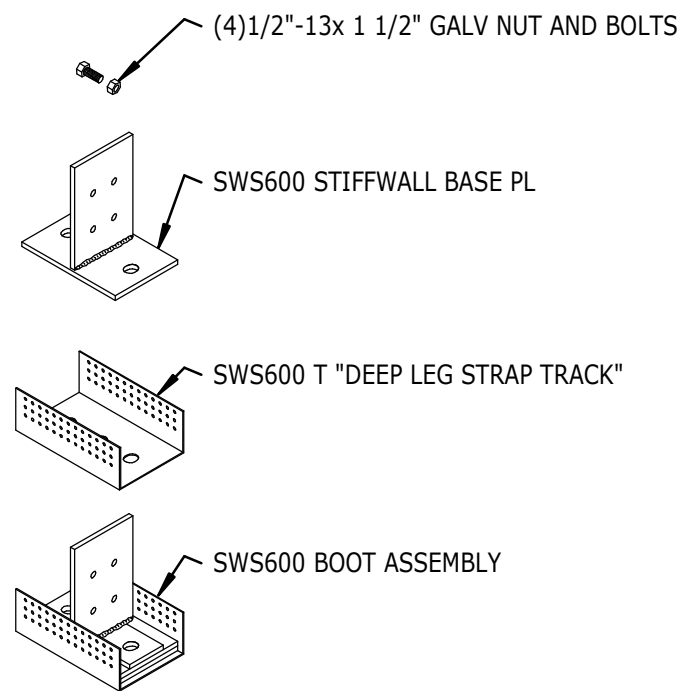


5
S5.4
TUBE BEARING ON METAL STUDS
NTS



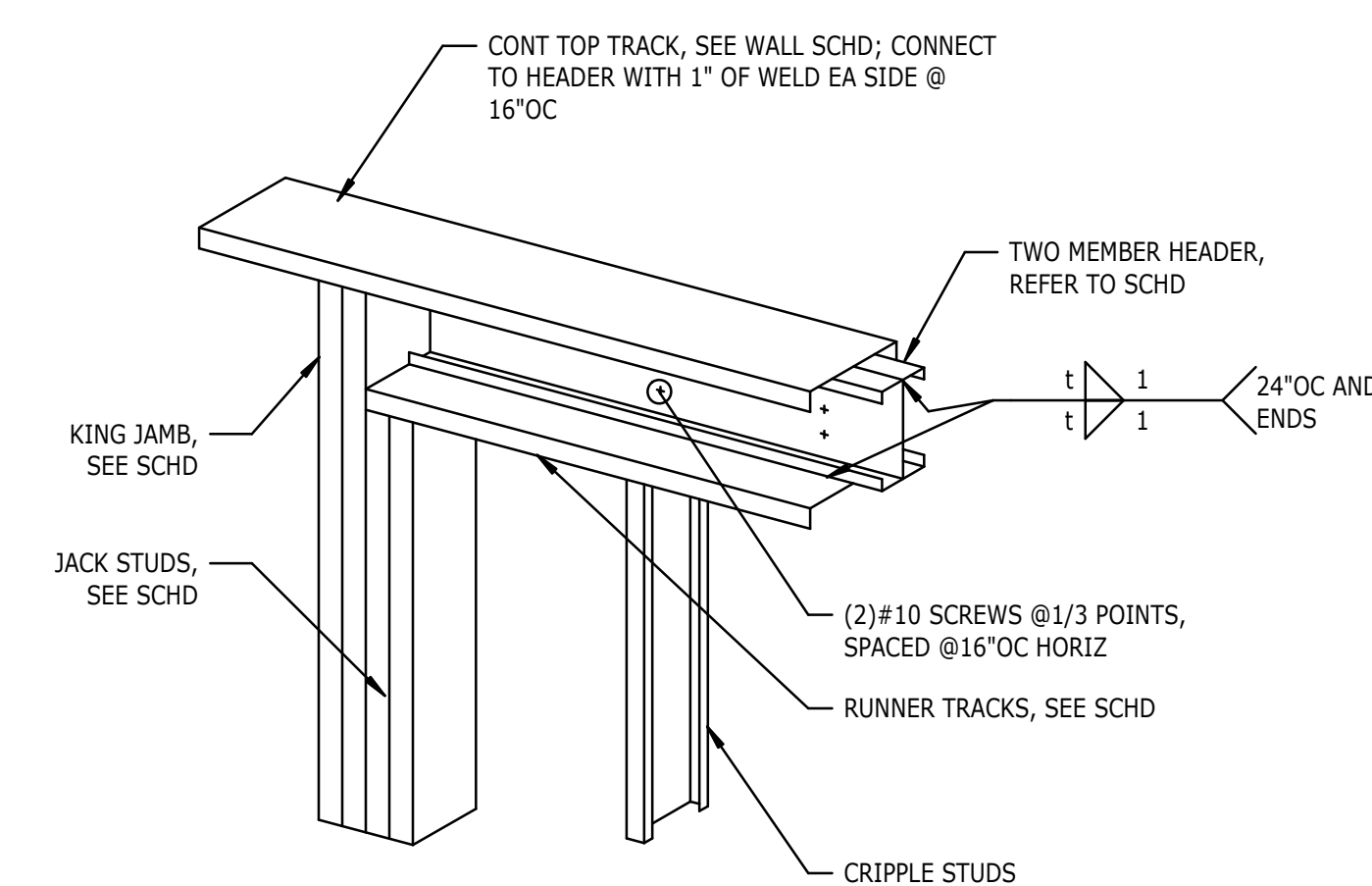
NOTES:
1. ALSO SEE 7/45-400.

2
S5.4
LBMS-030
NTS

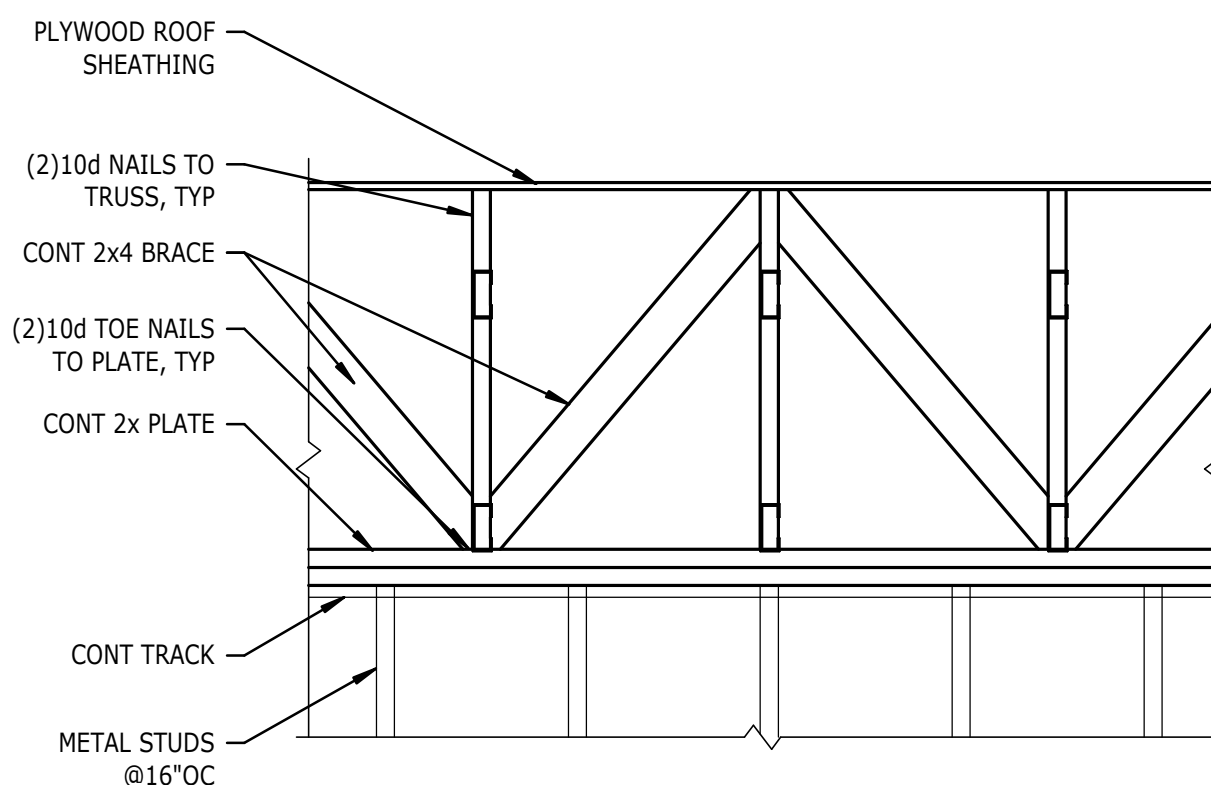


NOTES:
1. STIFFWALL BRACED WALL SYSTEM DESCRIBED AS PROVIDED BY "THE STEEL NETWORK".
2. REFER TO MANUFACTURER'S LITERATURE FOR INSTALLATION GUIDELINES AND REQUIREMENTS.

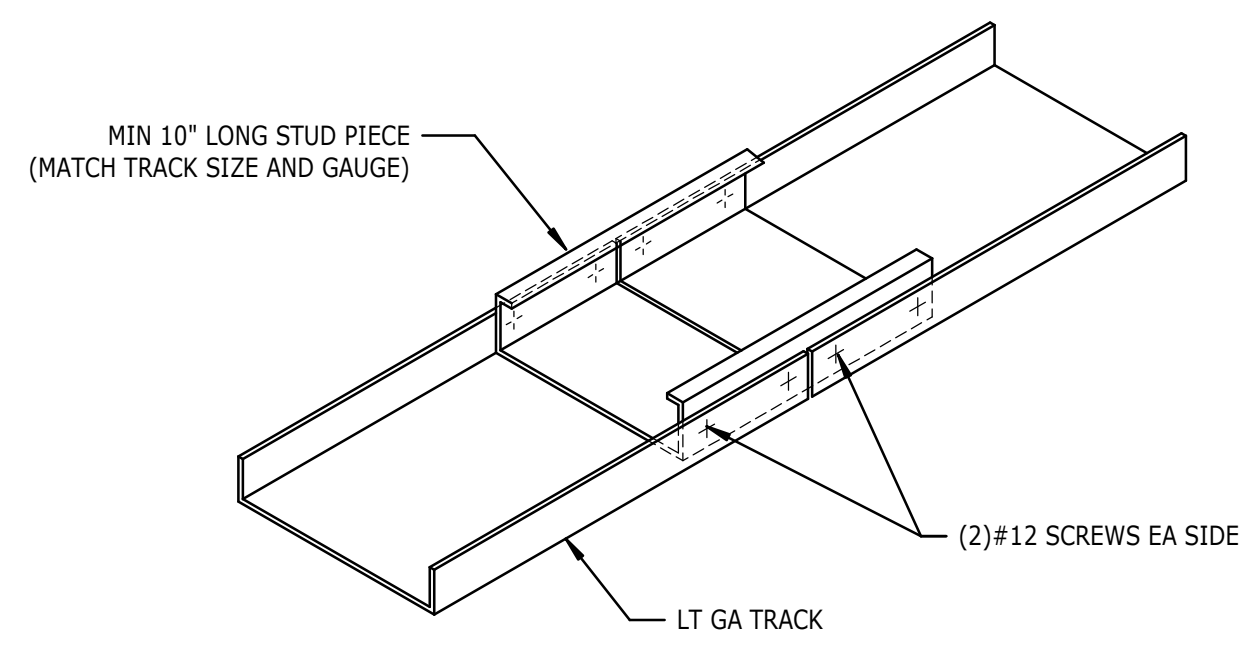
12
S5.4
LBMS-039
NTS



9
S5.4
LBMS-026
NTS



6
S5.4
TYP BRACING BTWN ROOF TRUSSES AT BEARING WALLS
NTS



NOTES:
1. SPLICE SHALL OCCUR OVER CENTERLINE OF VERTICAL STUD, TYP.

3
S5.4
LBMS-031
NTS

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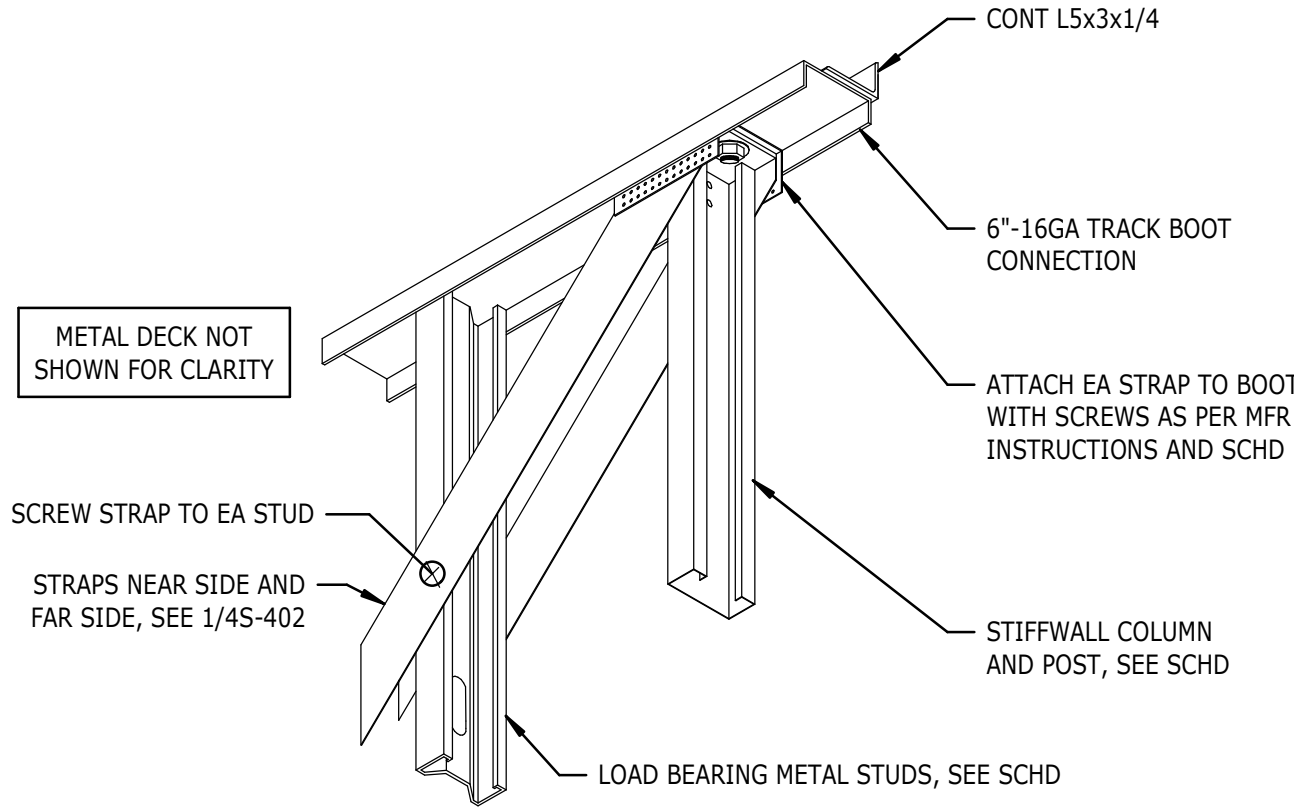
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GENERAL NOTE:
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Description Date

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Sheet No.
S5.4
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Sheet Title
METAL STUD DETAILS



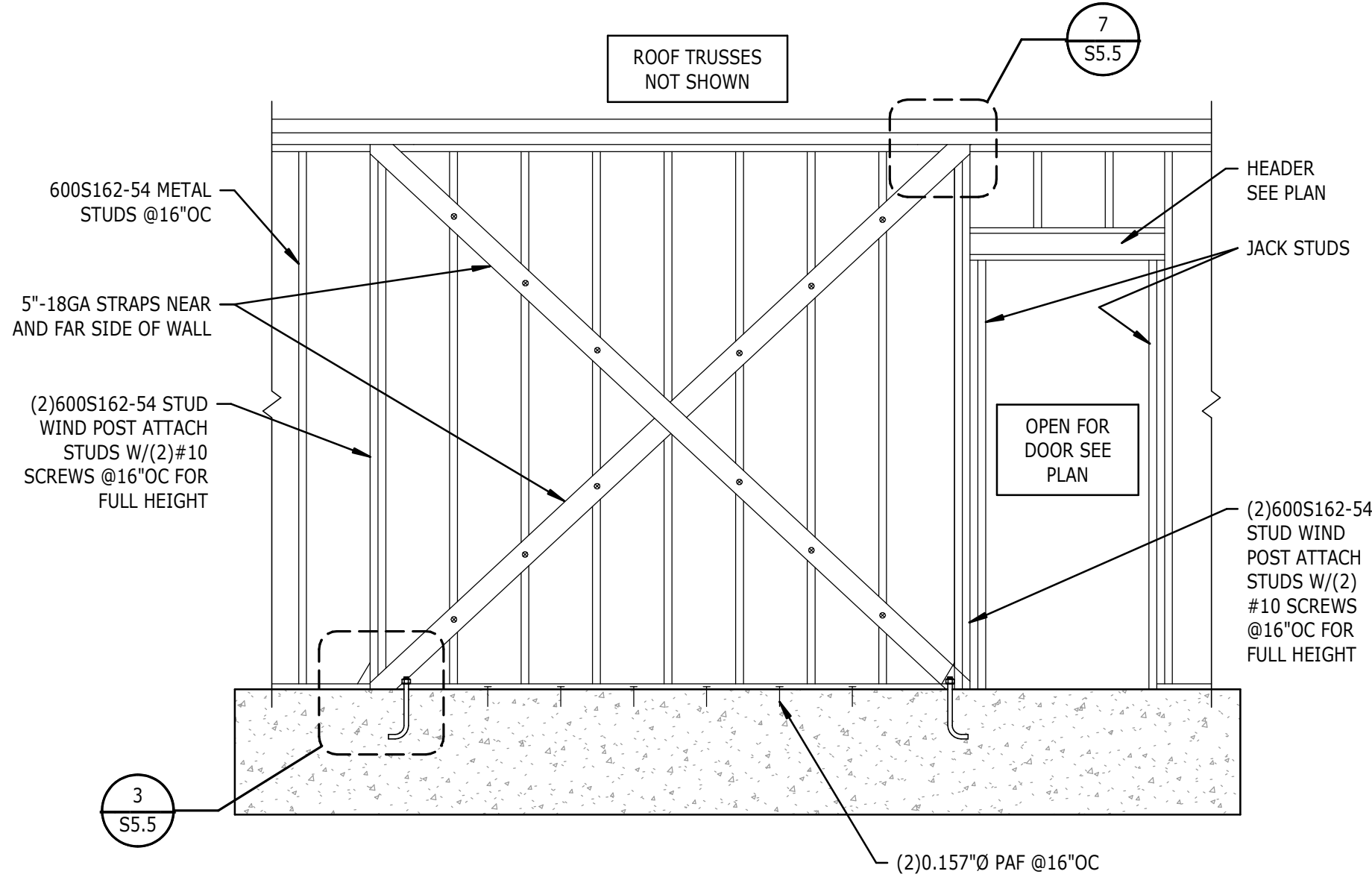
- NOTES:
1. STIFFWALL BRACED WALL SYSTEM DESCRIBED AS PROVIDED BY "THE STEEL NETWORK".
 2. REFER TO MANUFACTURER'S LITERATURE FOR INSTALLATION GUIDELINES AND REQUIREMENTS.

7 LBMS-040
S5.5 NTS

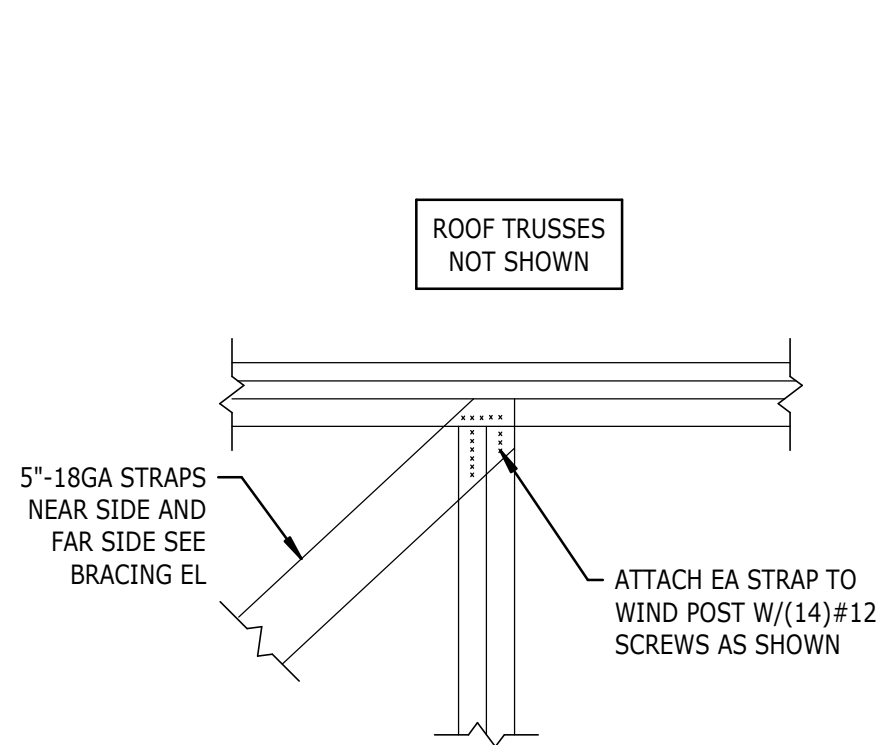
BRACED WALL SCHEDULE								
BW#	FLOOR NO.	WALL LENGTH	COLUMN	BRACING (SEE NOTE 4)	BOOT TYPE	COLUMN CONNECTION TO BOOT	FLOOR CONNECTION TO BOOT	STRAP TRACK #12 SCREWS
BW1	1	7'-6"	600C/STW250-54	(2)STRAPS 4"-16GA	SMALL BOOT	(4)1/2"Ø A325 BOLTS	(2)7/8"Ø	8
	2	7'-6"	600C/STW250-43	(2)STRAPS 4"-16GA	LIGHT BOOT	(6)#12 SCREWS	(1)7/8"Ø	6
BW2	1	13'-2"	600C/STW250-54	(2)STRAPS 4"-16GA	SMALL BOOT	(4)1/2"Ø A325 BOLTS	(2)7/8"Ø	8
	2	13'-2"	600C/STW250-43	(2)STRAPS 4"-16GA	LIGHT BOOT	(6)#12 SCREWS	(1)7/8"Ø	6
BW3	1	12'-0"	600C/STW250-68	(2)STRAPS 4"-16GA	SMALL BOOT	(4)1/2"Ø A325 BOLTS	(2)7/8"Ø	8
	2	12'-0"	600C/STW250-43	(2)STRAPS 4"-16GA	LIGHT BOOT	(6)#12 SCREWS	(1)7/8"Ø	6

- NOTES:
1. SEE 2/4S-402 FOR ELEVATION.
 2. SEE PLANS FOR BRACED WALL LOCATIONS.
 3. ALL COMPONENTS OF BRACED WALL SYSTEM SHALL HAVE A MINIMUM YIELD STRESS OF $f_y = 50$ KSI.
 4. STRAPS ARE REQUIRED ON BOTH SIDES OF WALL.
 5. ALL NOTES THIS SHEET SPECIFY STIFFWALL SW-S BY THE STEEL NETWORK. ALTERNATE SUPPLIERS MUST BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL. ALTERNATE SYSTEM MUST MEET THE LOAD REQUIREMENTS GIVEN IN SCHEDULE.

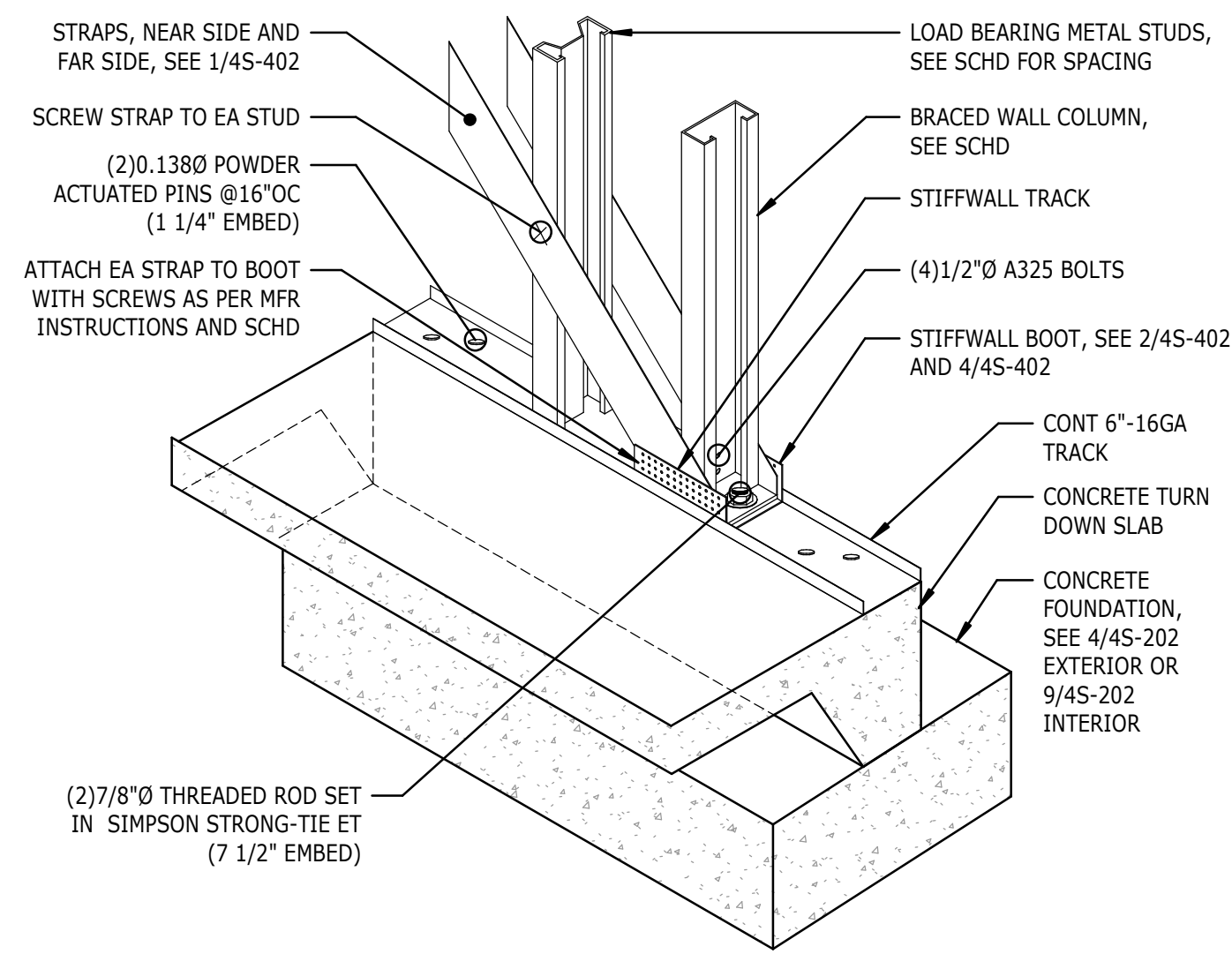
1 LBMS-037
S5.5 NTS



2 TYPICAL METAL STUD STRAP WALL
S5.5 NTS



6 TOP OF METAL STRAP CONNECTION
S5.5 NTS



- NOTES:
1. STIFFWALL BRACED WALL SYSTEM DESCRIBED AS PROVIDED BY "THE STEEL NETWORK".
 2. REFER TO MANUFACTURER'S LITERATURE FOR INSTALLATION GUIDELINES AND REQUIREMENTS.
 3. SEE FDN DETAILS (4S-202) FOR ADDITIONAL BARS AT HOLD-DOWNS.

3 LBMS-038
S5.5 NTS

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions
Description Date

Date Issue Date
Project No.
22038
Drawn By
VNA
Sheet No.
S5.5
Checked By
MBC
Sheet Title
METAL STUD DETAILS

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303 W. Martin Street, Raleigh, NC 27601

SYMBOL

DESCRIPTION

REMARKS

SYMBOL LEGEND

1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.

2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.

3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.

4. ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.

5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).

6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

7. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.

8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS.

9. PENETRATION:

- WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
- WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.

10. ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.

11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.

12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.

13. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.

14. THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

15. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THHN/THWN WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THHN/2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.

16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.

17. ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHODS SUBJECT TO THE FOLLOWING RESTRICTIONS:

- SEE NEC 320 AND 330 FOR RESTRICTION.
- PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.
- CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL BOARD.
- CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FLURRED AREAS. MAX. LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES SHALL NOT EXCEED 10 FT.
- WHERE REQUIRED BY NEC 517.3, CABLE SHALL BE LISTED FOR THE USE.

19. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.

20. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".

21. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.

22. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.

23. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL, WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.

24. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A117.1, SECTION 308. E.G. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.

25. ELECTRICAL IDENTIFICATION

- FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION.
- FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLE AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBERS.

GENERAL NOTES

2018 NORTH CAROLINA ENERGY CODE

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE: PRESCRIPTIVE

LIGHTING SCHEDULE:

FLUORESCENT T8/T5	LED	CFL	INCAN
N/A	SEE	N/A	N/A
N/A	FIXTURE	N/A	N/A
N/A	SCHEDULE	N/A	N/A
N/A		N/A	N/A

LAMP TYPE REQUIRED:

NUMBER OF LAMPS:

BALLAST TYPE USED:

NUMBER OF BALLASTS:

TOTAL WATTAGE PER FIXTURE:

	SPECIFIED	ALLOWED BY CODE
INTERIOR WATTAGE		
OFFICE		4404
CONFERENCE		593
OPEN OFFICE		11846
ELECT/MECH		621
CORRIDOR		130
LOBBY		594
STORAGE		151
TOILETS		412
BREAK ROOM		245
STAIR		69
TOTAL	16308	17160 **
EXTERIOR WATTAGE	ZONE 3	
ALLOWANCE	162	600

NOTES:

1.

- ** PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 10% LOWER THAN THOSE CALCULATED PER SECTION C405.4.2.
- VALUE CALCULATE PER SECTION C405.4.2: 19066 WATTS
- VALUE PER SECTION C406.3: 17160 WATTS

2. ALL EXTERIOR LIGHTS:

- CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

DESIGNER STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.

SIGNED:

NAME: DAVID J. WHITNEY, P.E.

TITLE: ENGINEER

WIRING TO MECHANICAL AND PLUMBING EQUIPMENT

NOT TO SCALE

JUNCTION BOX MAY BE SHOWN ON ELECTRICAL DRAWINGS FOR SOME EQUIPMENT (NOT NECESSARY IF WIRING IS CONNECTED DIRECTLY TO STARTER OR DISCONNECT SWITCH)

EXTERNALLY OR INTERNALLY MOUNTED DISCONNECT SWITCH FURNISHED BY THE MECH / PLUMB. CONTRACTOR, AND INSTALLED BY THE ELECTRICAL CONTRACTOR

EXTERNALLY MOUNTED STARTER FURNISHED BY THE MECH / PLUMB. CONTRACTOR, INSTALLED BY THE ELECTRICAL CONTRACTOR - LINE AND LOAD CONNECTIONS BY THE ELECTRICAL CONTRACTOR, CONTROL CONNECTIONS BY THE MECH / PLUMB. CONTRACTOR

EQUIPMENT IN MECH / PLUMB. WORK SEE MECH / PLUMB. DRAWINGS FOR LOCATION OF ALL EQUIPMENT.

BRANCH CIRCUIT AND CONDUIT IN ELECTRICAL WORK - SEE PANEL SCHEDULES FOR WIRE AND BREAKER SIZES TO MECH / PLUMB. EQUIPMENT.

WIRING IN ELECTRICAL WORK

WIRING IN ELECTRICAL WORK

WIRING IN ELECTRICAL WORK

PANEL

WIRING IN ELECTRICAL WORK

WIRING IN ELECTRICAL WORK

FINAL CONNECTIONS INSIDE EQUIPMENT TO BE MADE BY THE MECH / PLUMB. CONTRACTOR

OAKLEY COLLIER ARCHITECTS

ATLANTEC ENGINEERS, P.A.

3221 BLUE RIDGE ROAD, SUITE B3

RALEIGH, NC 27602

919.231.1111

24084

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST

MAGNOLIA DRIVE, PINEHURST, NC

PROGRESS DRAWING

NOT FOR CONSTRUCTION

DAVID J. WHITNEY

ATLANTEC ENGINEERS, P.A.

No. C-961

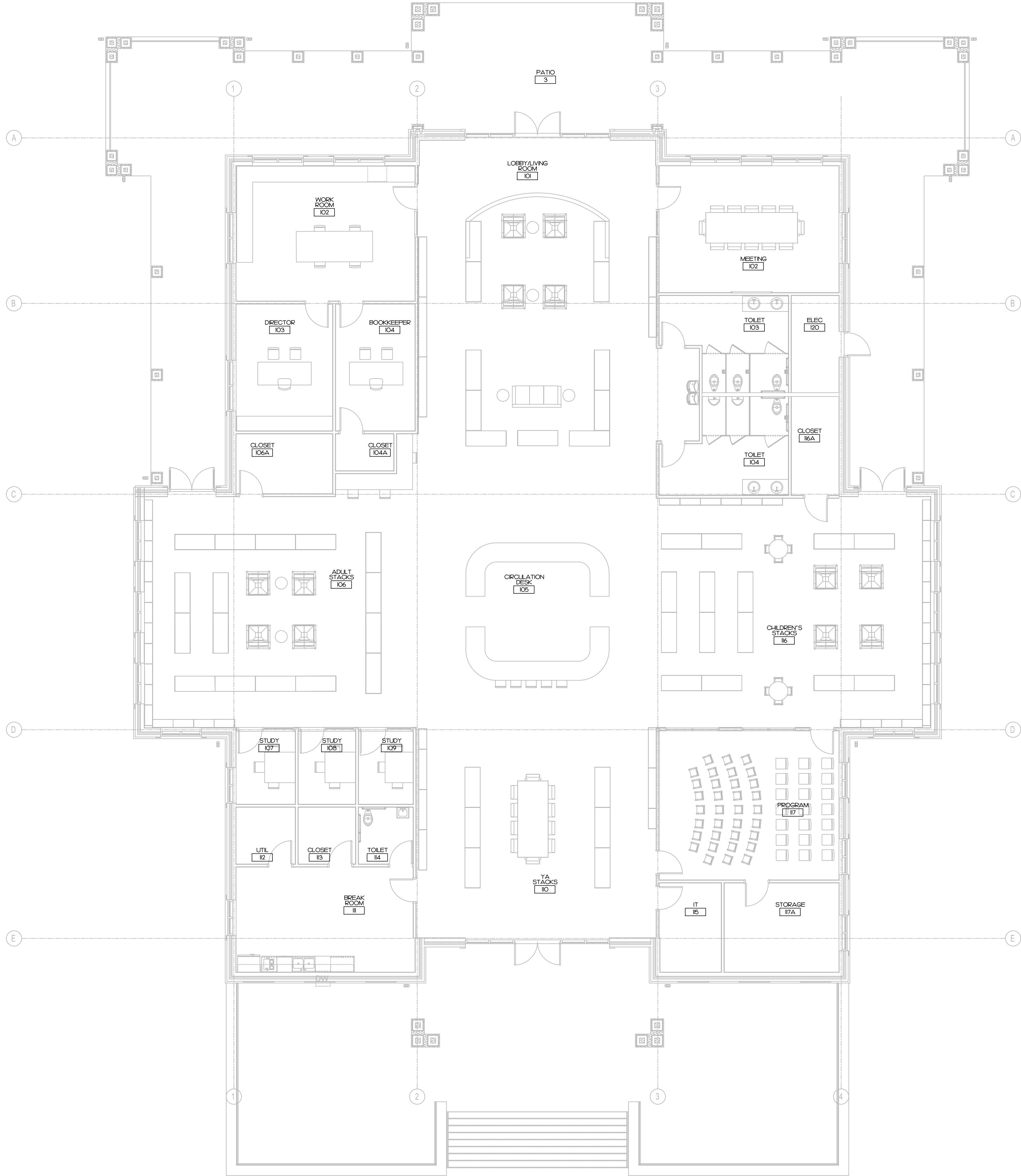
PROFESSIONAL CORPORATION

Revisions

Date	Project No.
06/26/24	22038
Drawn By	Sheet No.
SWM	
Checked By	E0.0
DJW	
Sheet Title	
SYMBOL LEGEND, GENERAL NOTES, DETAILS	

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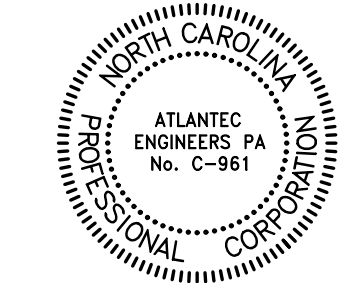
1 LIGHTING PLAN
E1.1 SCALE: 1/8" = 1'-0"



NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

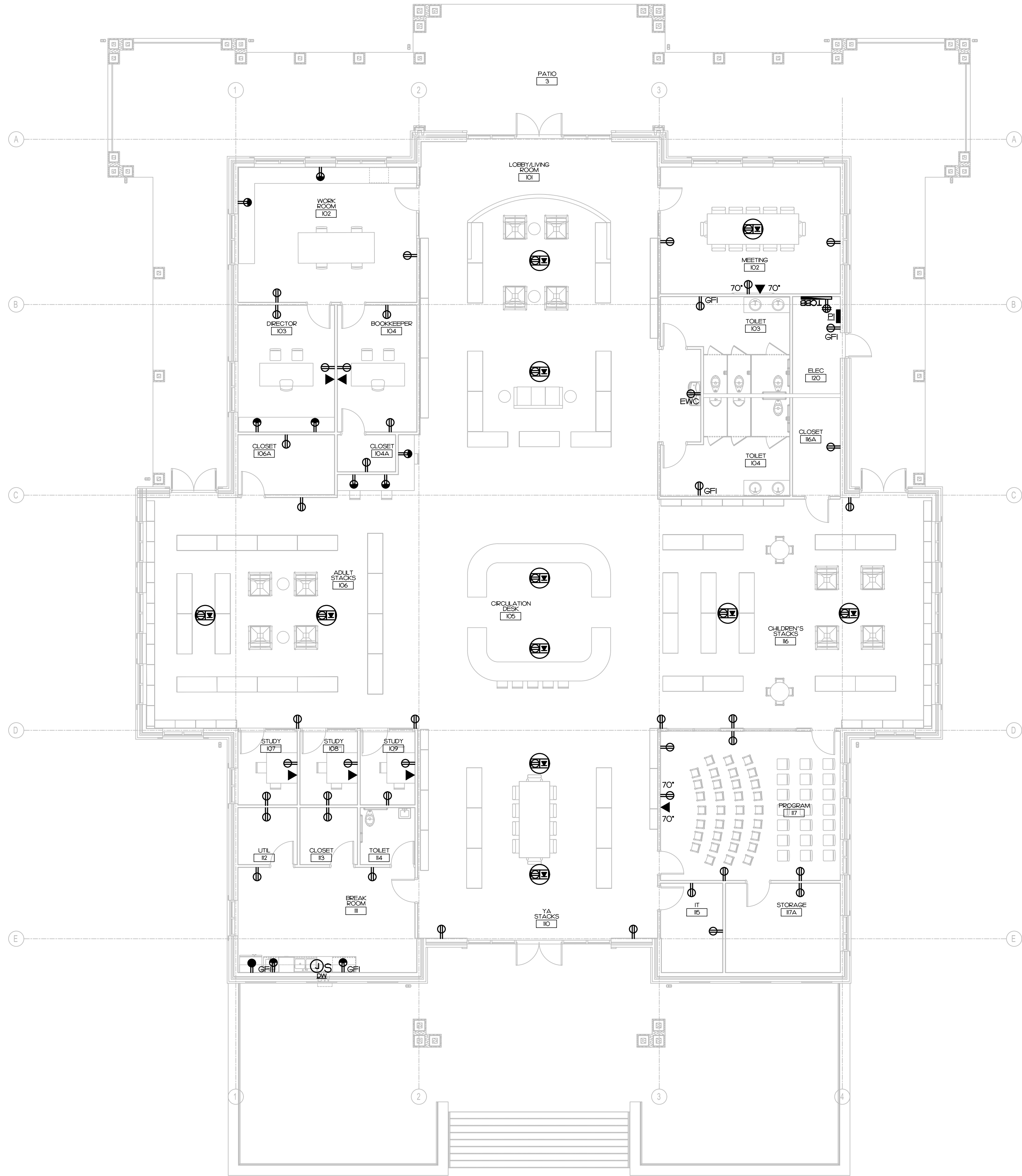


Revisions	
Date 06/26/24	Project No. 22038
Drawn By SWM	Sheet No.
Checked By DJW	E1.1
Sheet Title LIGHTING PLAN	

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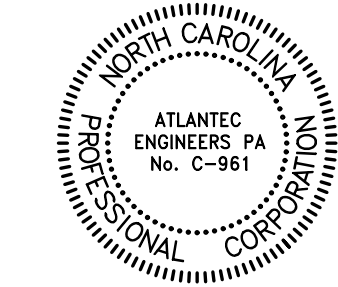


1
E1.1 **POWER PLAN**
SCALE: 1/8" = 1'-0"

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC



Revisions	
Date 06/26/24	Project No. 22038
Drawn By SWM	Sheet No. E1.2
Checked By DJW	Sheet Title POWER PLAN

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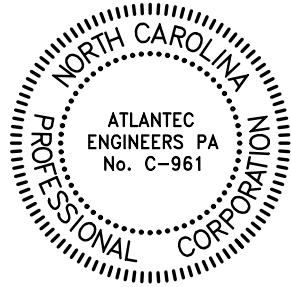
1 POWER RISER
E2.1 NOT TO SCALE

2 PANEL SCHEDULES
E2.1 NOT TO SCALE

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC



Revisions	
Date	Project No.
06/26/24	22038
Drawn By	Sheet No.
SWM	E2.1
Checked By	Sheet Title
DJW	POWER RISER, PANEL SCHEDULE



MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

PREScriptive ☐ ENERGY COST BUDGET ☐

THERMAL ZONE

EXTERIOR DESIGN CONDITIONS

winter dry bulb:
summer dry bulb:
relative humidity:

INTERIOR DESIGN CONDITIONS

winter dry bulb:
summer dry bulb:
relative humidity:

BUILDING HEATING LOAD: BLOCK LOAD =

BUILDING COOLING LOAD: BLOCK LOAD =

MECHANICAL SPACING CONDITIONING SYSTEM

Unitary:
description of unit:
heating efficiency:
cooling efficiency:
heat output of unit:
cooling output of unit:

SEE SCHEDULES ON SHEET(S)

Boiler:
total boiler capacity. If oversized state reason.

Chiller:
total chiller capacity. If oversized state reason.

LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES ON SHEET(S)

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)

motor horsepower:
number of phases:
minimum efficiency:
motor type:
of poles:

SEE SCHEDULES ON SHEET(S)

DESIGNER STATEMENT

To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Energy Code,

SIGNED: _____

NAME: Patrick J. McCabe, PE

TITLE: Professional Engineer

AIR HANDLING UNIT SCHEDULE										HEAT PUMP SCHEDULE											
MARK	MANUFACTURER	MODEL	AIRFLOW	S.P.	HP	SUPP. HEAT	POWER	FLA	MOC®	MARK	MANUFACTURER	MODEL	TOTAL COOLING CAPACITY	SENSIBLE CAPACITY	HEATING CAPACITY	POWER	FLA	MOC®	SEER2	HSPF	NOTES
AHU-1	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-1	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-2	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-2	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-3	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-5	TRANE	4TWR4024	23.2 MBH	17.8 MBH	14.4 MBH	208/10	12 A	25 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-4	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-6	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-5	TRANE	6AM5B0A24	600 CFM	0.50 in-wg	1/3	5.8 kW	208/10	31 A	40 A	HP-3	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-6	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-4	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-7	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-7	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7
AHU-8	TRANE	6AM5B0836	600 CFM	0.50 in-wg	1/2	7.2 kW	208/30	24 A	30 A	HP-8	TRANE	4TWR4036	34.5 MBH	26.3 MBH	21.0 MBH	208/10	15 A	30 A	14.6 SEER2	7.5 HSPF2	1-7

NOTES:

1. PROVIDE WITH FUSIBLE DISCONNECT ON INDOOR AND OUTDOOR UNITS.
2. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
3. PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH 10 HR BATTERY BACKUP AND 2 HOUR OVERRIDE..
4. SEE OUTSIDE AIR SUMMARY FOR OUTSIDE AIR INTAKE FLOW SETTINGS.
5. ROUTE CONDENSATE TO EXTERIOR SPLASH BLOCK.
6. PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0 DEGREES FAHRENHEIT.
7. PROVIDE WITH 2" PLEATED FILTER RACK AND FILTER AT UNIT.

EXHAUST FAN SCHEDULE										
MARK	MANUFACTURER	MODEL	SERVICE	TYPE	AIRFLOW	RPM	WATTS/HP	S.P.	POWER	NOTES
EF-1	COOK	6C-140	TOILET	CABINET FAN	105 CFM	1500	67 W	0.25 in-wg	120/10	1-3
EF-2	COOK	6C-140	UTILITY	CABINET FAN	105 CFM	1500	67 W	0.25 in-wg	120/10	1-3
EF-3	COOK	6C-180	TOILETS	CABINET FAN	250 CFM	1500	182 W	0.25 in-wg	120/10	1,2,4
EF-3	COOK	6C-180	TOILETS	CABINET FAN	250 CFM	1500	182 W	0.25 in-wg	120/10	1,2,4

NOTES:

1. PROVIDE WITH DISCONNECT SWITCH
2. PROVIDE WITH BACKDRAFT DAMPER.
3. CONTROL VIA LIGHT SWITCH BY E.C.
4. CONTROL VIA TIMECLOCK.

OUTSIDE AIR SUMMARY

REQUIRED:

TOTAL REQUIRED = 8690 SQFT * 0.12 CFM/SQFT + 132 PERSONS * 5 CFM/PERSON = 1703 CFM

PROVIDED:

AHU-1 = 250 CFM
AHU-2 = 150 CFM
AHU-3 = 175 CFM
AHU-4 = 250 CFM
AHU-5 = 150 CFM
AHU-6 = 175 CFM
AHU-7 = 300 CFM
AHU-8 = 275 CFM

TOTAL PROVIDED = 1725 CFM

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (M.C.).
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M.C. SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEERS' ATTENTION.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE M.C. SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING, THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO M.C. EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO HIS EQUIPMENT.
7. INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AT ALL AIR HANDLING UNITS.
8. INSTALL TURNING VANES IN SUPPLY DUCTS AT ELBOWS. PROVIDE BALANCING AND SPLITTER DAMPERS WHERE SHOWN AND AS REQUIRED FOR SYSTEM BALANCING.
9. ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
10. THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER HIS CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
11. THE M.C. SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
12. FLEXIBLE DUCT RUNOUTS SHALL BE A MAXIMUM OF 10'-0".
13. ALL FLEXIBLE DUCT RUNOUTS SHALL INCLUDE INSULATED DAMPERED BOOTS AT THE POINT OF CONNECTION WITH RECTANGULAR DUCT. PROVIDE ALL FLEXIBLE DUCTWORK WITH FOIL-BACKED, EXTERNALLY WRAPPED INSULATION FOR A MINIMUM OF R-8.
14. ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS. EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8.
15. MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
16. THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
17. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF JOB.
18. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF DUCT SHOP DRAWINGS FOR APPROVAL.
19. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
20. PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
21. LABEL CEILING GRID WHERE EQUIPMENT IS LOCATED ABOVE LAY-IN CEILING. WITH EQUIPMENT IDENTIFIER. ALSO LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	FLEXIBLE DUCT
	SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM
	RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST FAN
	THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR
	BALANCING DAMPER
	ELBOW WITH TURNING VANES
	HUMIDISTAT - MOUNTED 48" ABOVE FINISHED FLOOR
	MOTOR OPERATED DAMPER
	GRAVITY BACKDRAFT DAMPER
	MANUAL (BALANCING) DAMPER
	PARALLEL BLADE DAMPER
	OPPOSED BLADE DAMPER
	WALL MOUNTED CARBON DIOXIDE SENSOR
	DUCT MOUNTED CARBON DIOXIDE SENSOR
	CONDENSATE DRAIN
	PIPING TURNED DOWN
	PIPING TURNED UP
	PIPING SIDE CONNECTION

NEW CONSTRUCTION FOR:

REVIEW SET

PRELIMINARY NOT FOR CONSTRUCTION

REVIEW SET

PRELIMINARY NOT FOR CONSTRUCTION

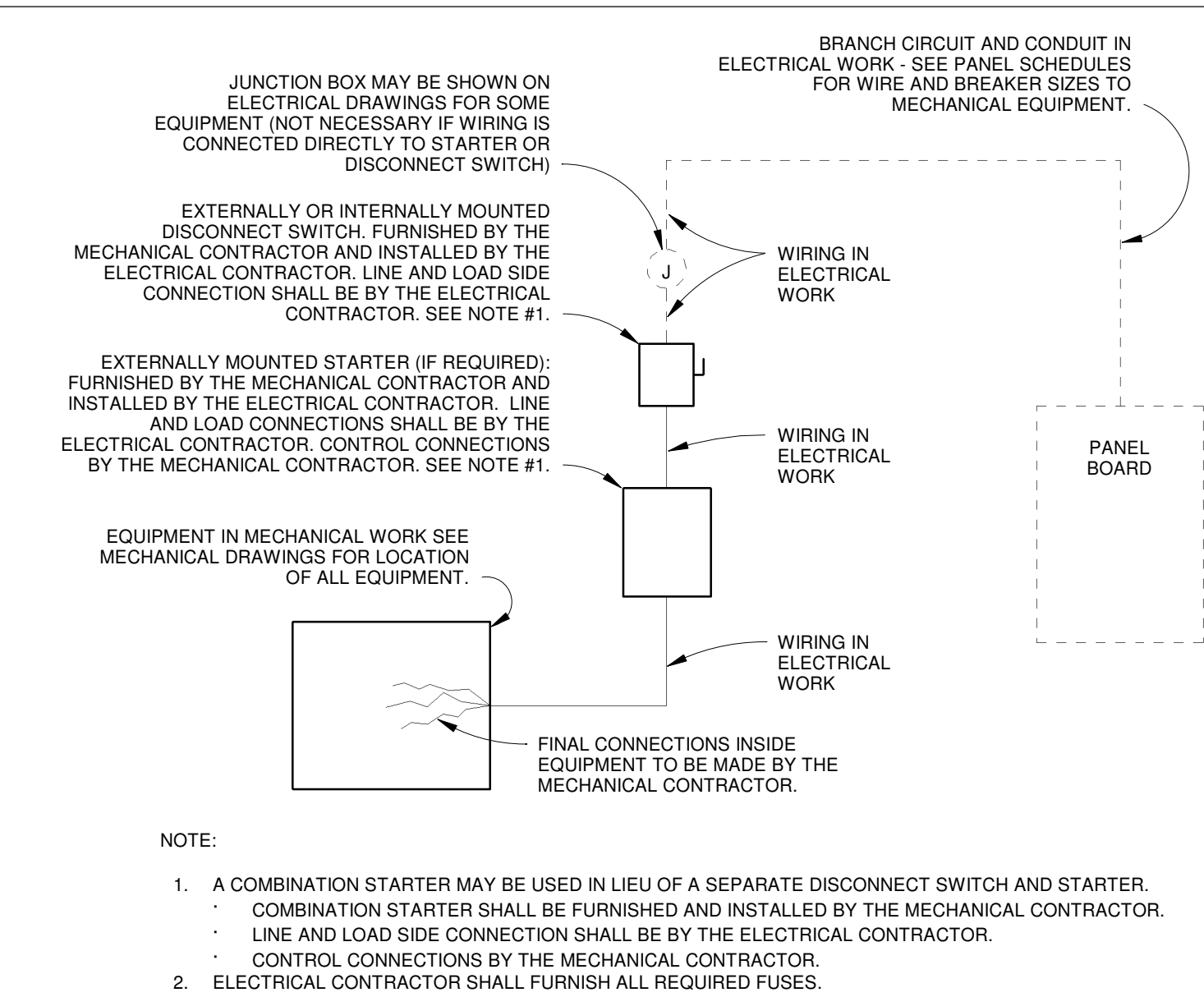
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	
#	Description Date
Date	
6/26/2024	Project No. 22038
Drawn By	
PJM	Sheet No.
Checked By	
PJM	M0.1
Sheet Title	
MECHANICAL NOTES, LEGEND, AND DETAILS	

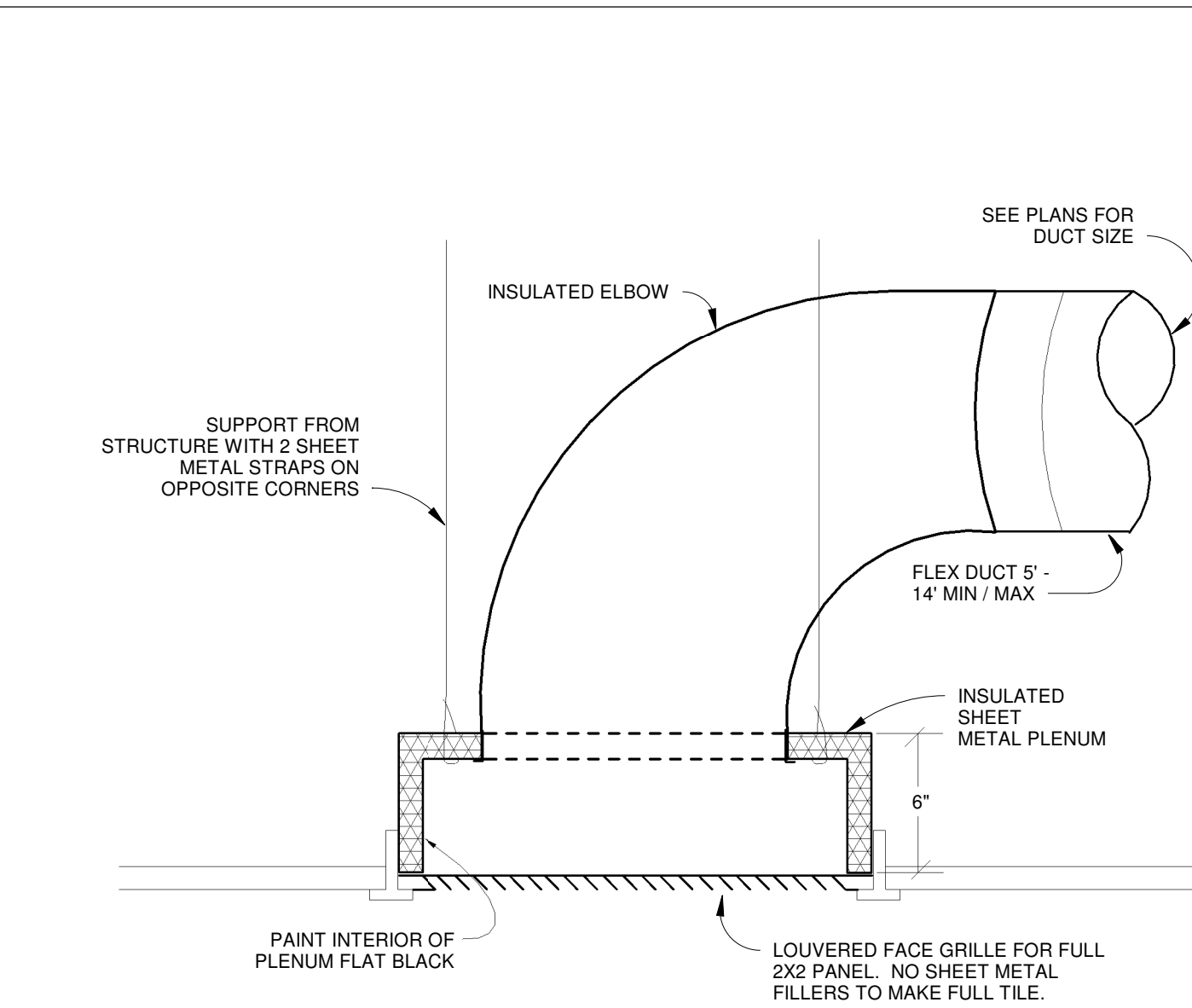
OAKLEY COLIER ARCHITECTS
OCA
109 Condlowood Road, Rocky Mount, NC 27804 (P) 252.937.2500
303 W. Martin Street, Raleigh, NC 27601

ATLANTEC
ENGINEERS PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
24084

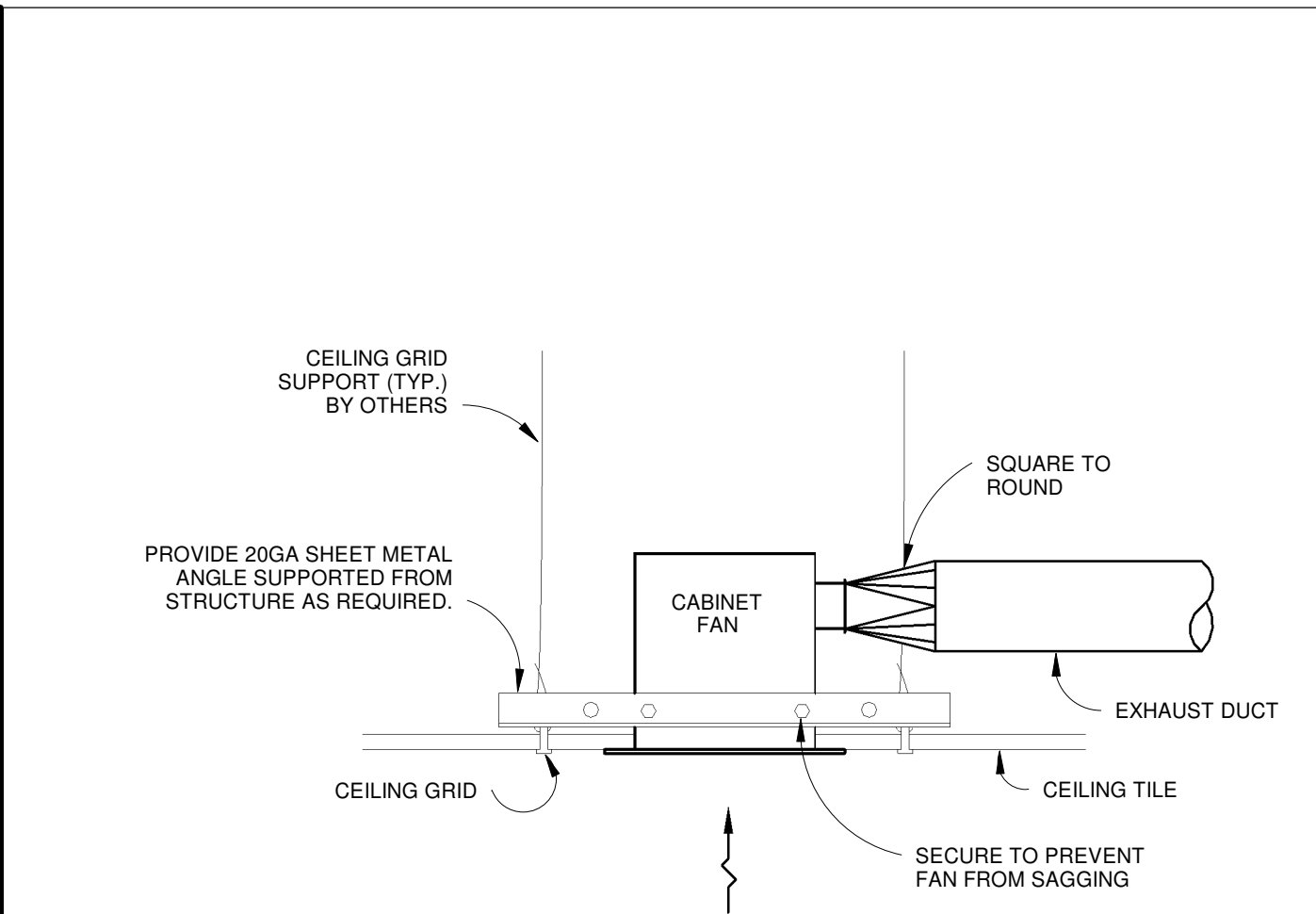
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VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC



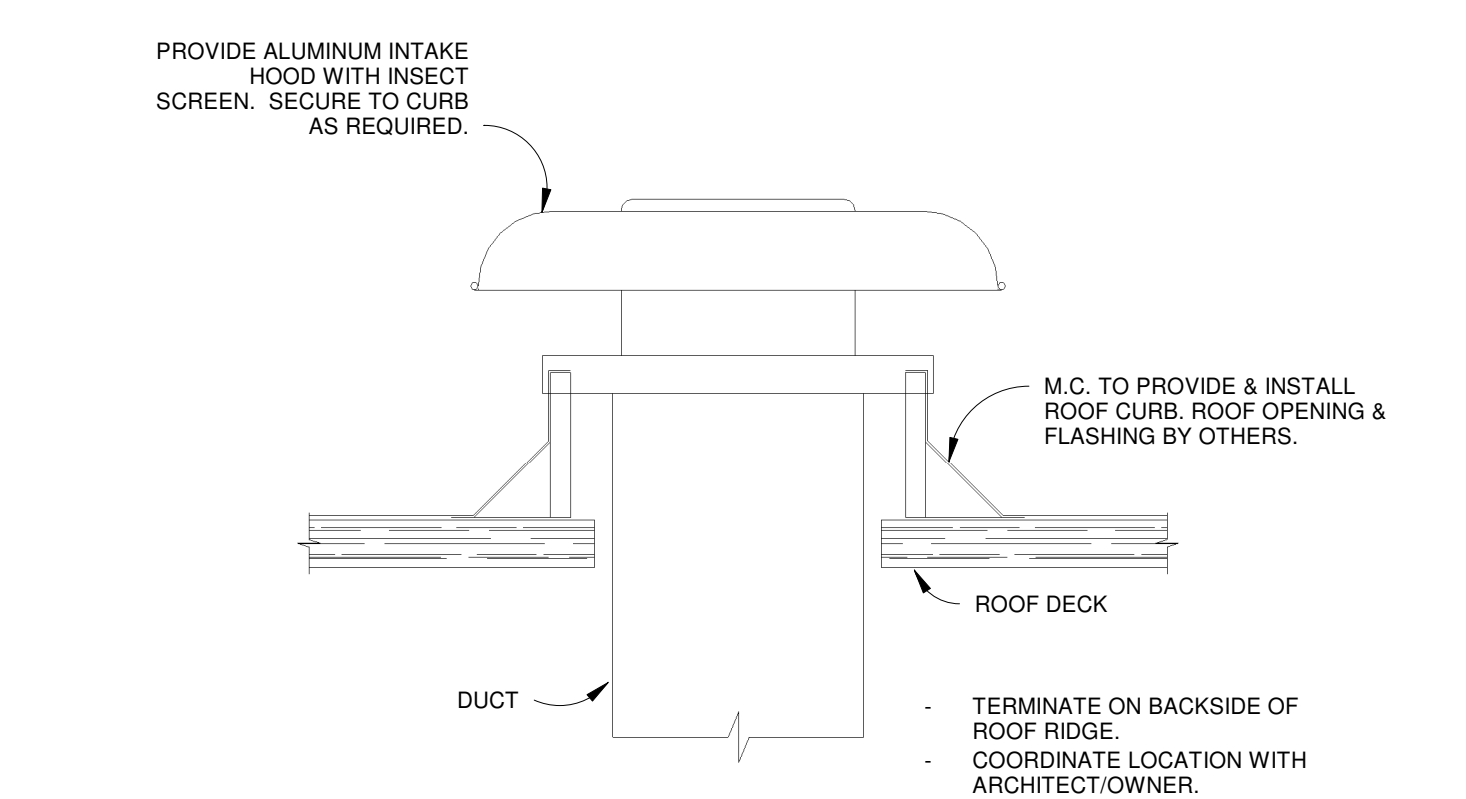
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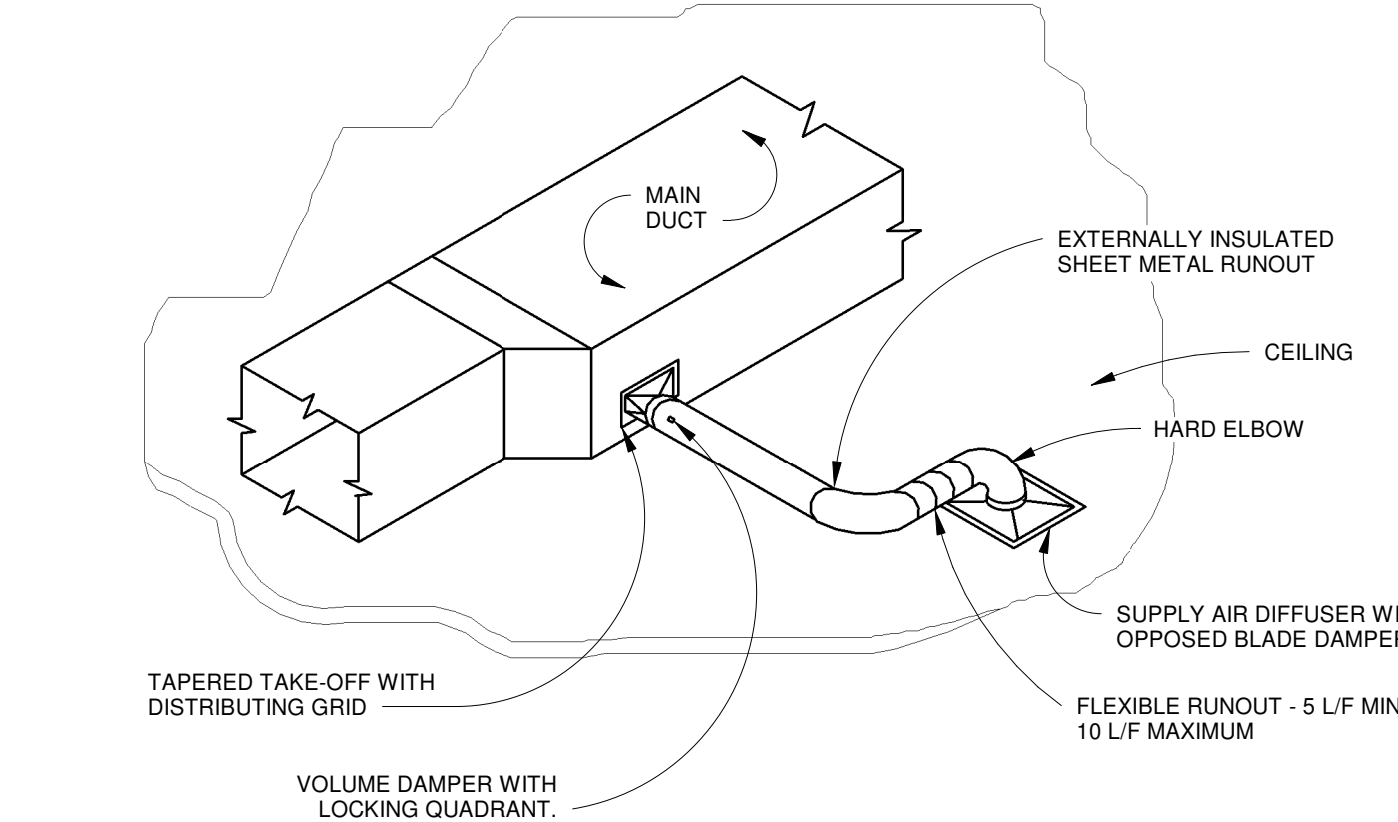
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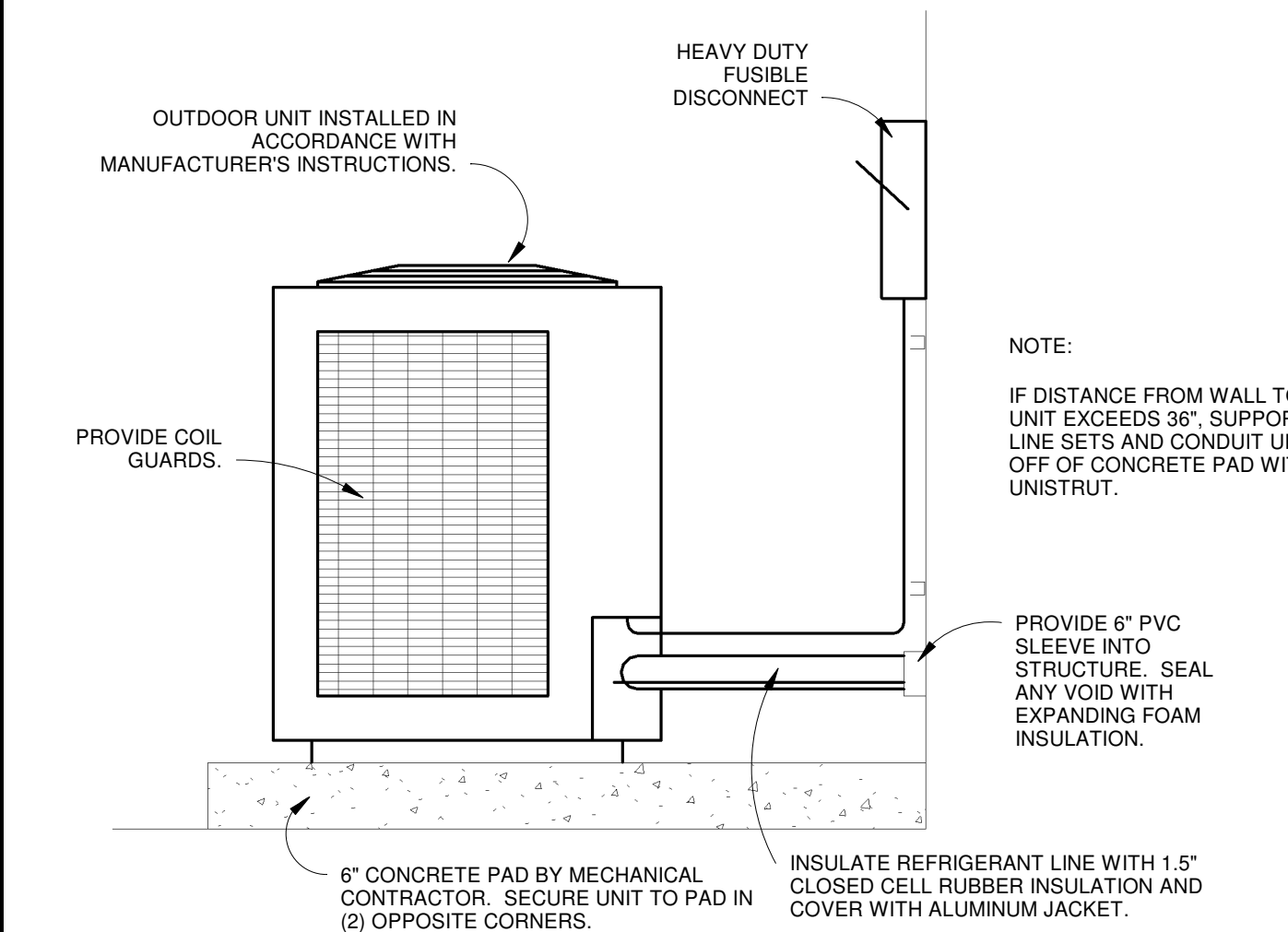
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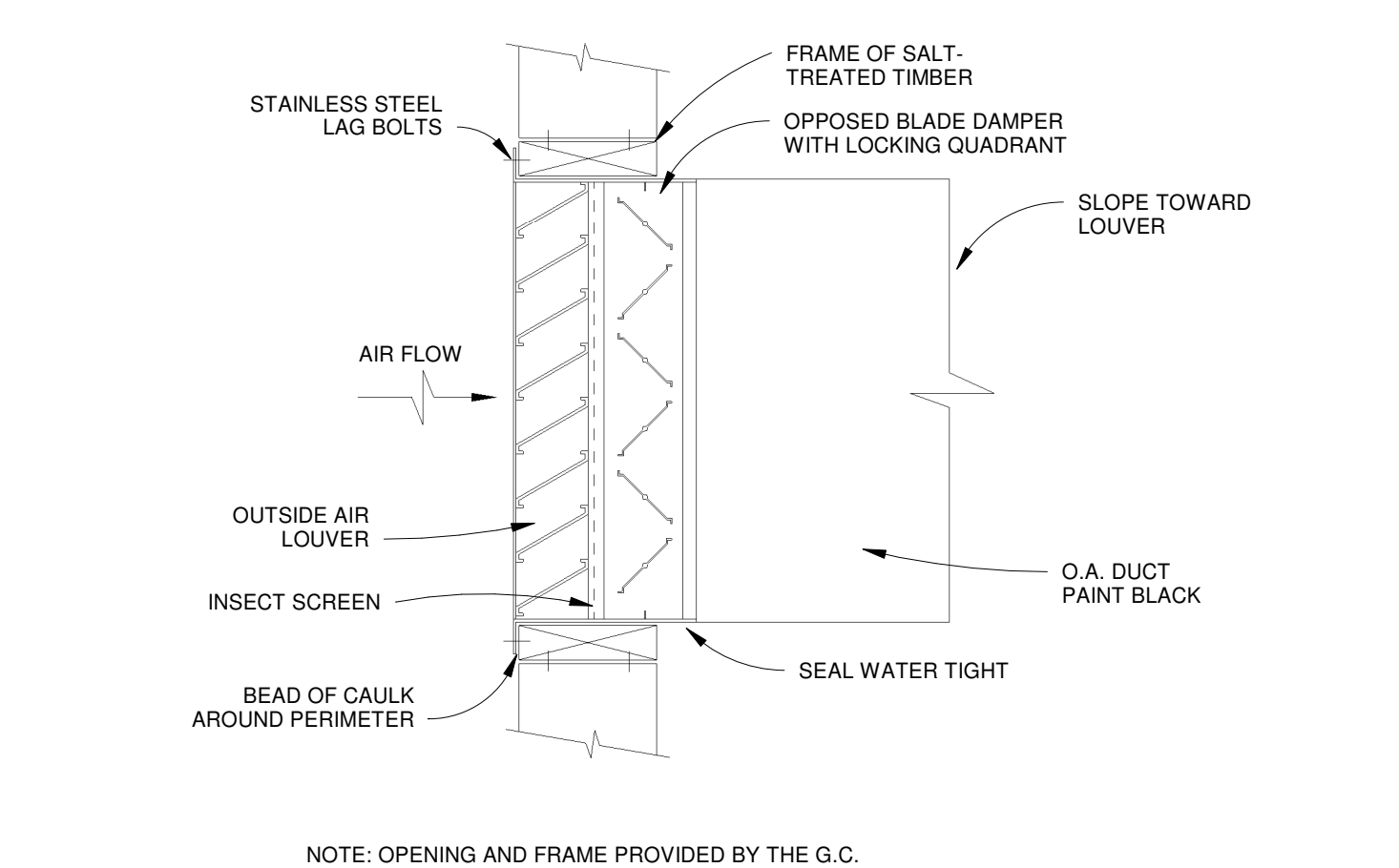
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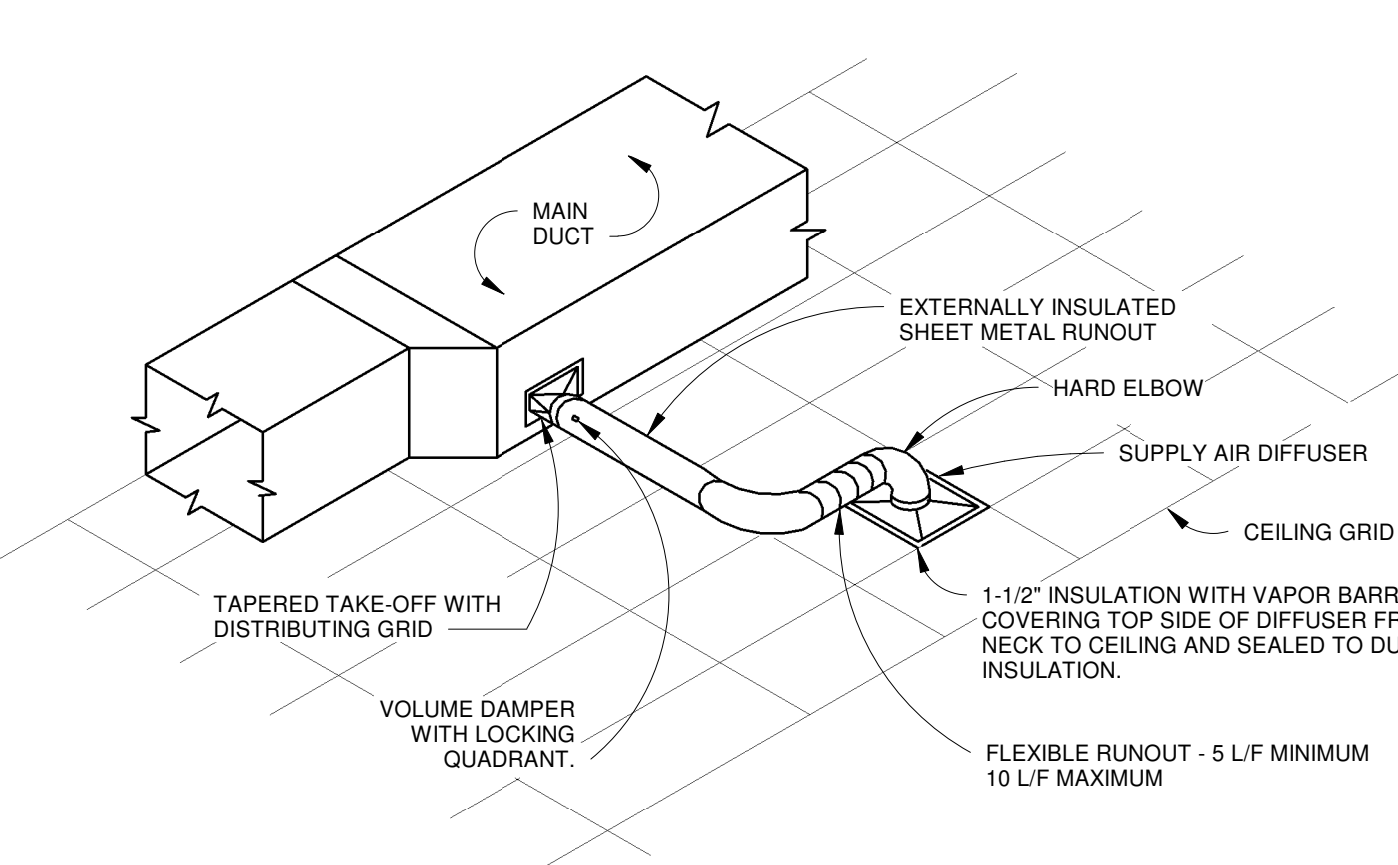
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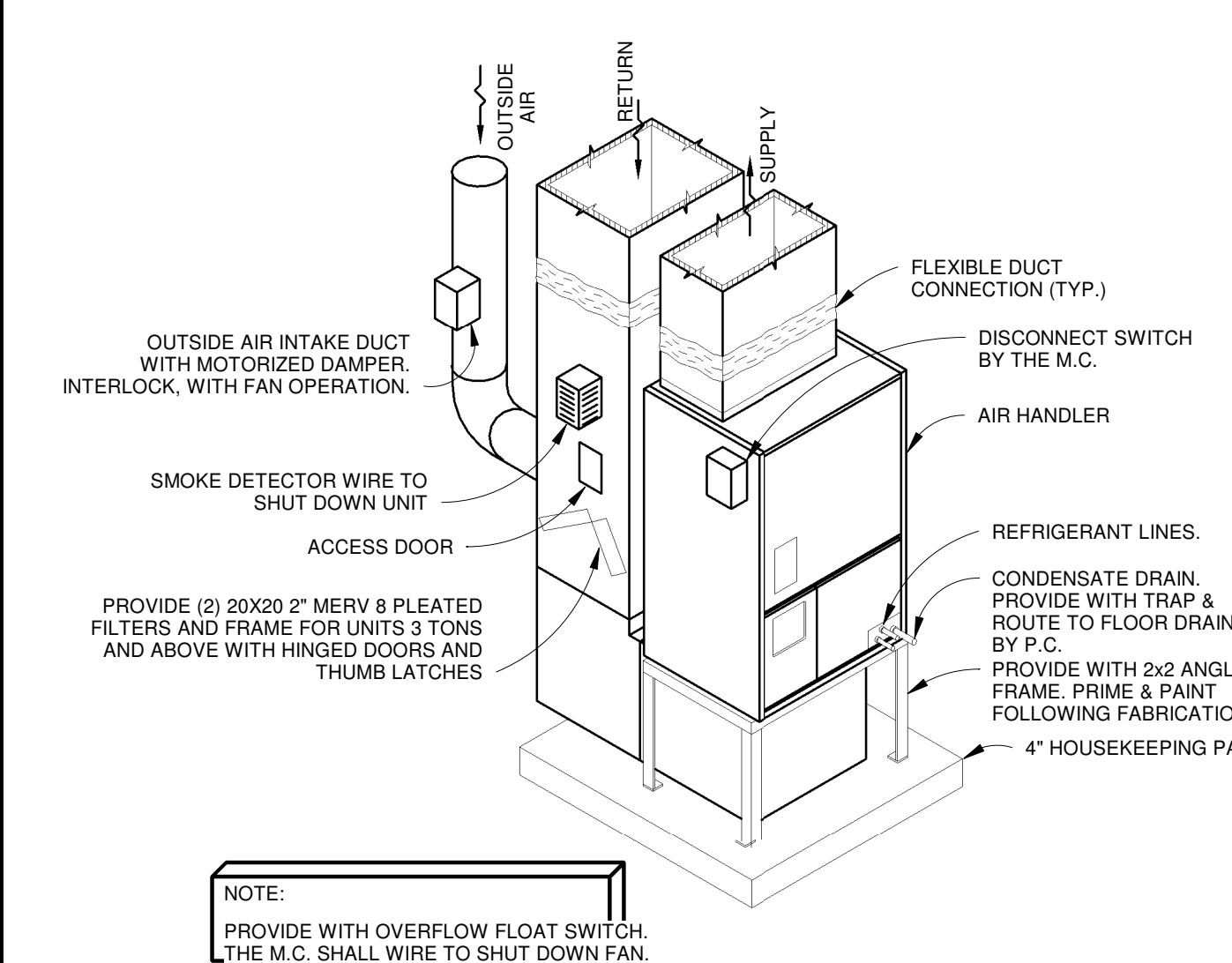
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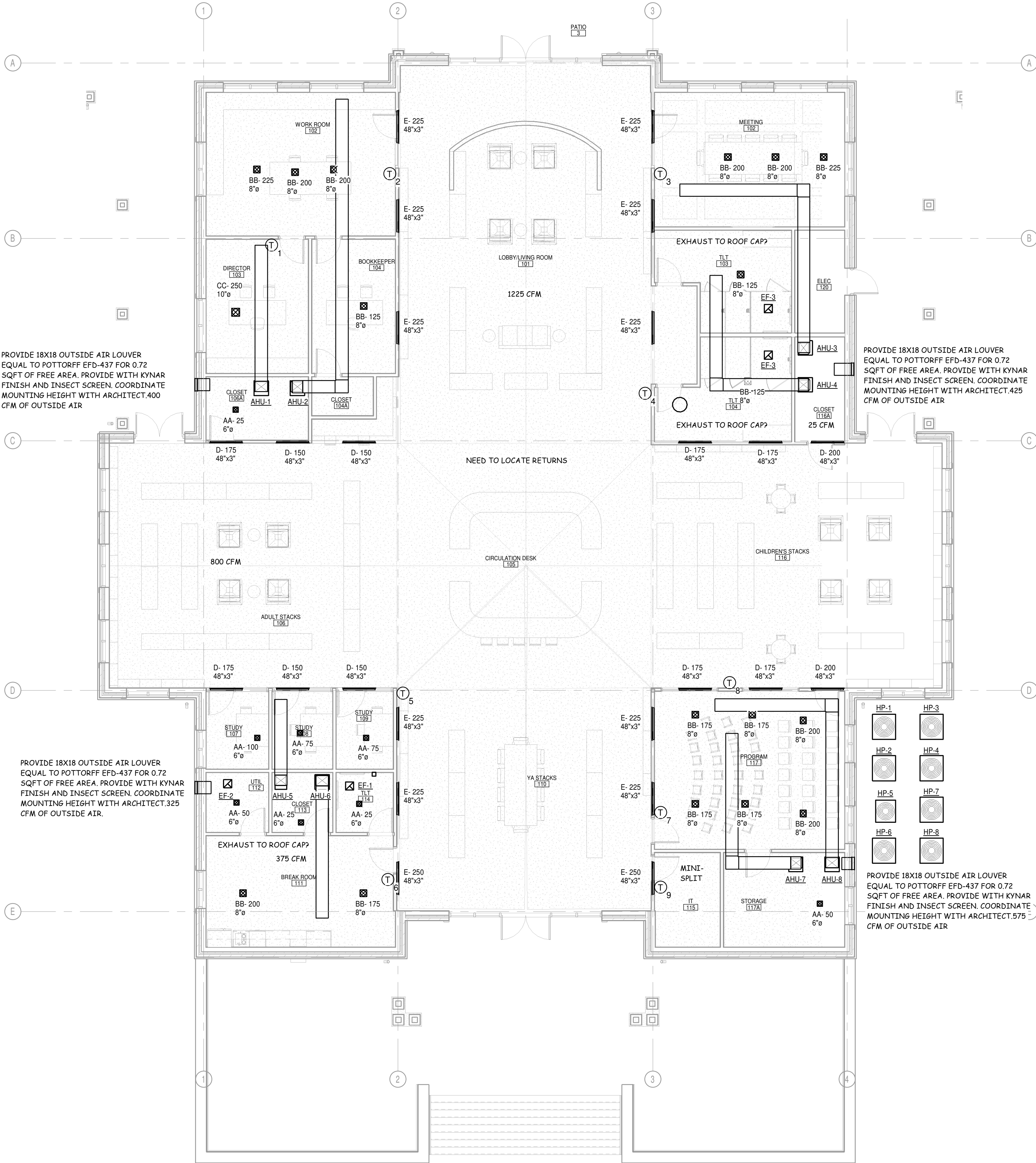
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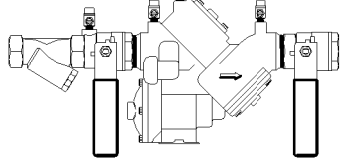
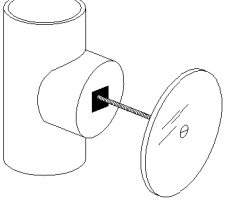
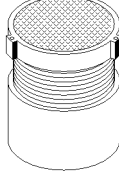
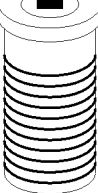
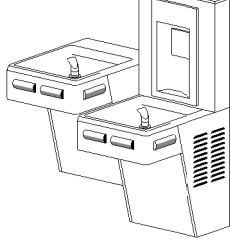
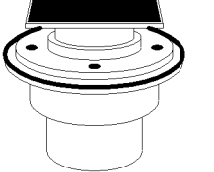
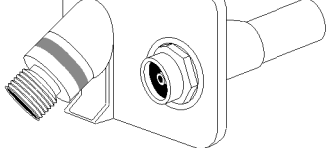
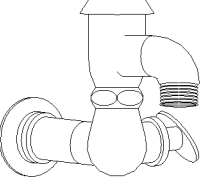
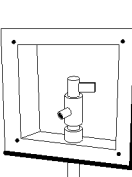
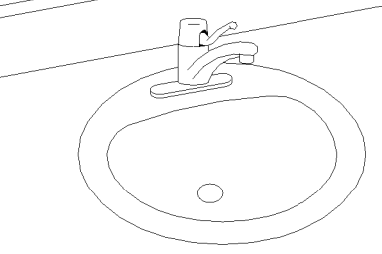
4 LAY-IN DIFFUSER DETAIL
M0.2 NOT TO SCALE



1 AIR HANDLER DETAIL
M0.2 NOT TO SCALE



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

PLUMBING FIXTURE SCHEDULE										
SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
	BP-1	WATTS	LF909Q1M1-S	WILKINS	975XL2-S	FEBCO	LF860	1 1/4" - 2"	-	-
	LEAD FREE, REDUCED PRESSURE ZONE WITH BALL VALVES AND STRAINER. MOUNT 24" ABOVE FINISHED FLOOR.									
	CO-1	ZURN	Z-1446	WATTS	CO-460-RD	JR SMITH	4530	-	-	SEE PLUMB DRAWINGS
	CAST IRON BODY, WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND, SMOOTH STAINLESS STEEL, SECURED WALL ACCESS COVER.									
	CO-2	ZURN	CO2449	MIFAB		JR SMITH		-	-	SEE PLUMB DRAWINGS
	PVC CLEANOUT WITH AND ADJUSTABLE PVC RISER, NICKEL BRONZE FRAME AND COVER, AND AN ABS TAPER THREADED PLUG. CLEANOUT TO BE GAS AND WATERTIGHT.									
	CO-3	ZURN	Z-1449-BP	WATTS	CO-380-34B	JR SMITH	4283	-	-	SEE PLUMB DRAWINGS
	CLEANOUT FERRULE WITH CAST IRON BODY, WITH GAS AND WATERTIGHT BRONZE PLUG, MOUNT IN CONCRETE.									
	EW-1	OASIS	P8SBFSL	ELKAY	LZSTL8WS	HALSEY TAYLOR	HTH8-HACDBLPV-WF	1/2"	-	2"
	PROVIDE WITH FRONT AND SIDE CONTROLS, SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH. PROVIDE WITH BOTTLE FILLER.									
	FD-1	ZURN	ZN415S	WATTS	FD-100-M	MIFAB	F11000-1	1/2"	-	3"
	FLOOR DRAIN TO HAVE A 3" WASTE BOTTOM OUTLET, CAST IRON BODY WITH ADJUSTABLE COLLAR, POLISHED 8" x 6" NICKEL BRONZE SQUARE HEELPROOF STRAINER, AND 1/2" TRAP PRIMER CONNECTION.									
	H-1	WOODFORD	65	WATTS	HY-420	MIFAB	MHY-15	3/4"	-	-
	ANTIFREEZE HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED GRADE.									
	H-2	CHICAGO	952	WOODFORD	Z1	ZURN	Z875L7	3/4"	-	-
	HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED FLOOR.									
	IM-1	OATEY CO.	38574	GUY GRAY	AB9700	SIOUX CHIEF	696-G1000MF	1/2"	-	-
	PLASTIC ICE MAKER BOX WITH 1/4 TURN BRASS BALL VALVE - COPPER SWEAT AND SUPPLY TUBE TO REFRIGERATOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.									
	L-1	KOHLER	K-2196-4-0	SLOAN	SS-3002	AMERICAN STANDARD	0476.028			
	FAUCET	DELTA	523LF-HGMHDF	CHICAGO FAUCETS	2200-4	MOEN	8470			
	TRAP	McGUIRE	8902	DEARBORN BRASS	702-1	KOHLER	K-8999			2"
	SUPPLY	McGUIRE	158LK	BRASS CRAFT	R1912AC	KOHLER	K-7605-P-CP	1/2"	1/2"	
	SELF-RIMMING LAVATORY SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH, HAVE 4" CENTERS, AN OVERFLOW, AND INCLUDE SEALANT. FAUCET SHALL BE CHROME FINISH, SINGLE LEVER, 4" CENTERS, WITH 3/8" COPPER SUPPLY TUBE INLETS, AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS. OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW, CAST BRASS SUP NUT, AND FLANGE. PROVIDE WITH OFFSET STRAINER, McGUIRE PROWRAP INSULATOR, AND APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3.									

PLUMBING SCHEDULE NOTES AND LEGEND:

1.

THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS APPROVAL.
2.

SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
3.

PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
4.

REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.
- 

ADA COMPLIANT
- 

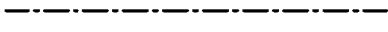
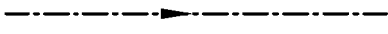
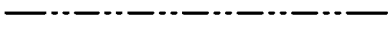
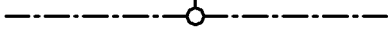
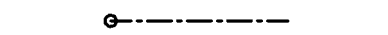
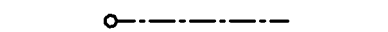
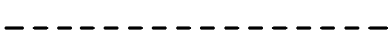
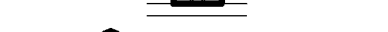
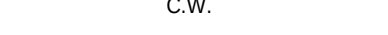
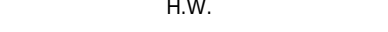
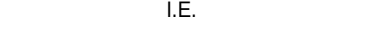
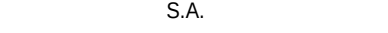
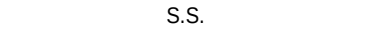
ELECTRICAL POWER
- 

GAS FIRED

PLUMBING GENERAL NOTES

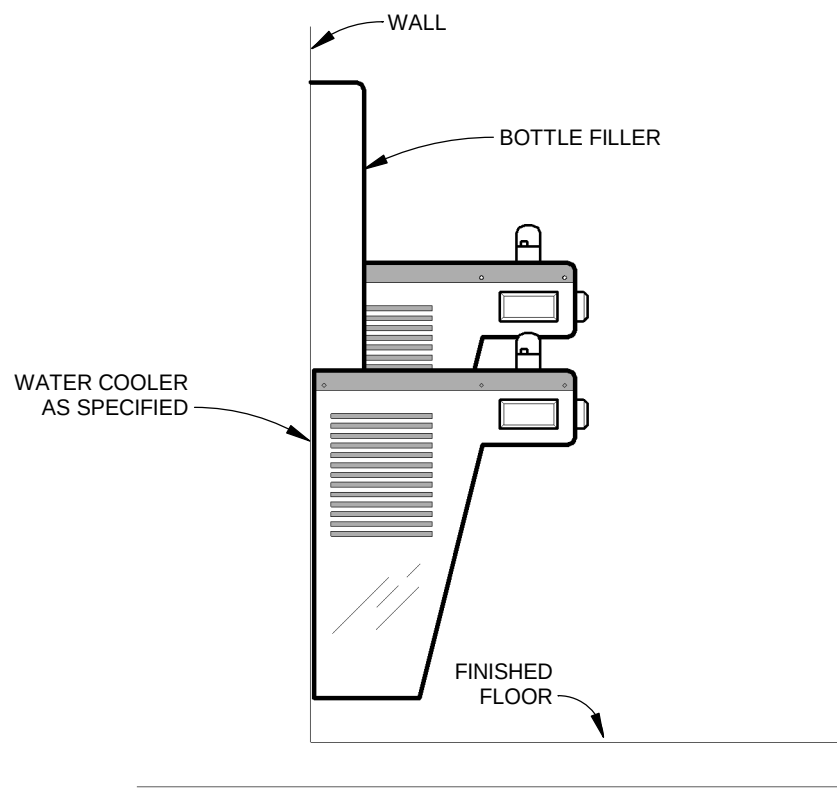
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE'S SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
7. ALL PIPE, FITTINGS, FIXTURES, AND SOLDER TO BE LEAD FREE.
8. WATER PIPING BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER, SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR ONE HOUR AT 150 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
9. PROVIDE EXPANSION LOOP FOR CPVC WATER PIPING. COPPER FEMALE / CPVC MALE ADAPTERS TO BE USED AT CONNECTIONS TO NON - CPVC PIPING.
10. PROVIDE COPPER STUB - OUTS AT ALL FIXTURE SUPPLIES
11. WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
12. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE 1" FIBERGLASS. EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
13. STENCIL ALL PIPING WITH IDENTIFICATION AND FLOW ARROW @ 10'-0" ON CENTER AT BOTH SIDES OF WALL PENETRATIONS AND AT EACH TAKE - OFF.
14. DO NOT SUPPORT PIPING FROM BAR JOIST BRIDGING AND/OR ROOF DECK.
15. WATER SHUT - OFF VALVES ABOVE FINISHED CEILING ARE TO BE FREE FROM OBSTRUCTIONS SUCH AS DUCTWORK, LIGHTS, WIRING AND OTHER PIPING SO AS TO PROVIDE EASY ACCESS. MOUNT NO MORE THAN 2'-0" ABOVE FINISHED CEILING.
16. IF THE WATER PRESSURE EXCEEDS 80 PSI A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING.
17. PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
18. WATER HEATERS SHALL HAVE AN EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE.
19. WATER HEATERS SHALL HAVE AN EFFICIENCY RATING EQUAL TO OR EXCEEDING ASHRAE 90-75, REVISED AND SO LABELED.
20. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
21. SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC. CELLULAR CORE (FOAM CORE) IS NOT ALLOWED. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
22. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
23. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
24. LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC...) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
25. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
26. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL PLUMBING CONNECTIONS TO THE KITCHEN EQUIPMENT, PROVIDING ALL PIPING, VALVES, ETC... FOR A COMPLETE JOB.
27. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 15'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
28. SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
29. THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MANHOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
30. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

PLUMBING SYMBOL LEGEND

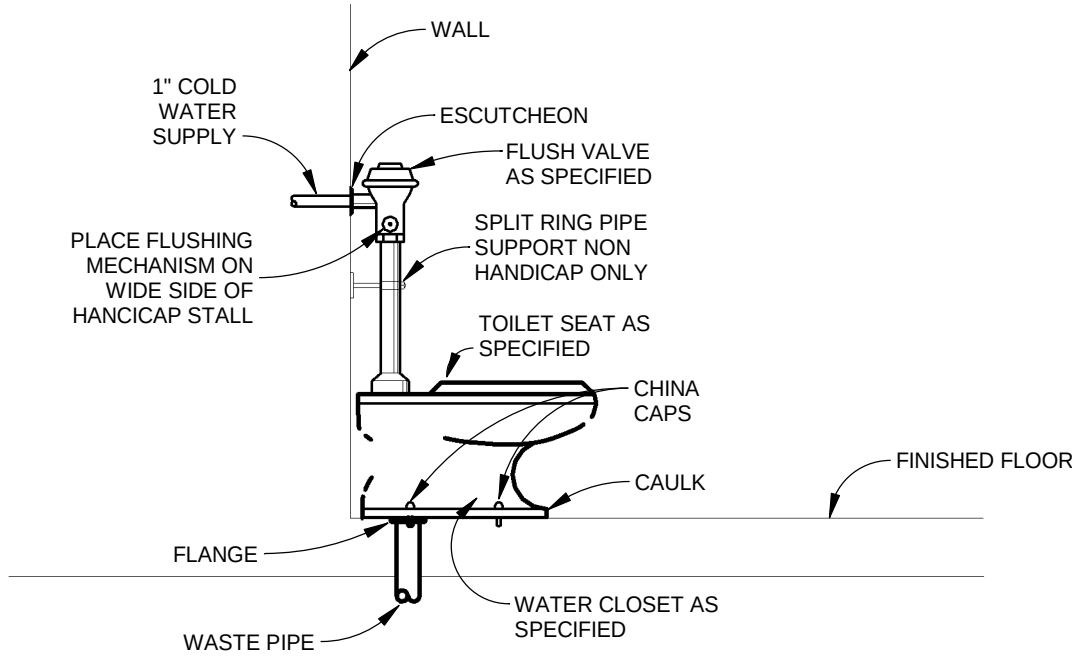
SYMBOL	DESCRIPTION
	COLD WATER PIPING
	WATER PIPING DIRECTION OF FLOW
	HOT WATER PIPING
	BALL VALVE
	CHECK VALVE
	WATER PIPING TURNED DOWN
	WATER PIPING TURNED UP
	PIPING SIDE CONNECTION
	SANITARY SEWER / WASTE PIPING
	VENT PIPING
	VENT PIPE UP
	HOSE BIBB
	PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR
	PLUMBING FIXTURE PROVIDED BY OTHERS AND INSTALLED BY PLUMBING CONTRACTOR
	FLOOR CLEANOUT
	WALL CLEANOUT
	FLOOR DRAIN
	COLD WATER PIPING
	HOT WATER PIPING
	INVERT ELEVATION
	SHOCK ABSORBER
	VENT THRU ROOF
	SANITARY SEWER PIPING
	C.W.
	H.W.
	I.E.
	S.A.
	V.T.R.
	S.S.

PLUMBING LOAD SUMMARY

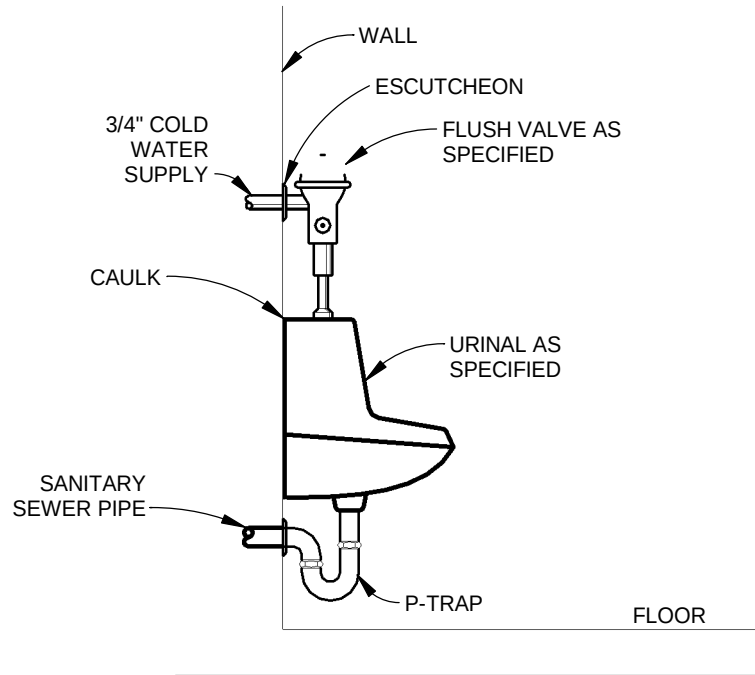
SANITARY SEWER DEMAND FU	WATER DEMAND FU	WATER DEMAND GPM
50.5	94.3	65.9



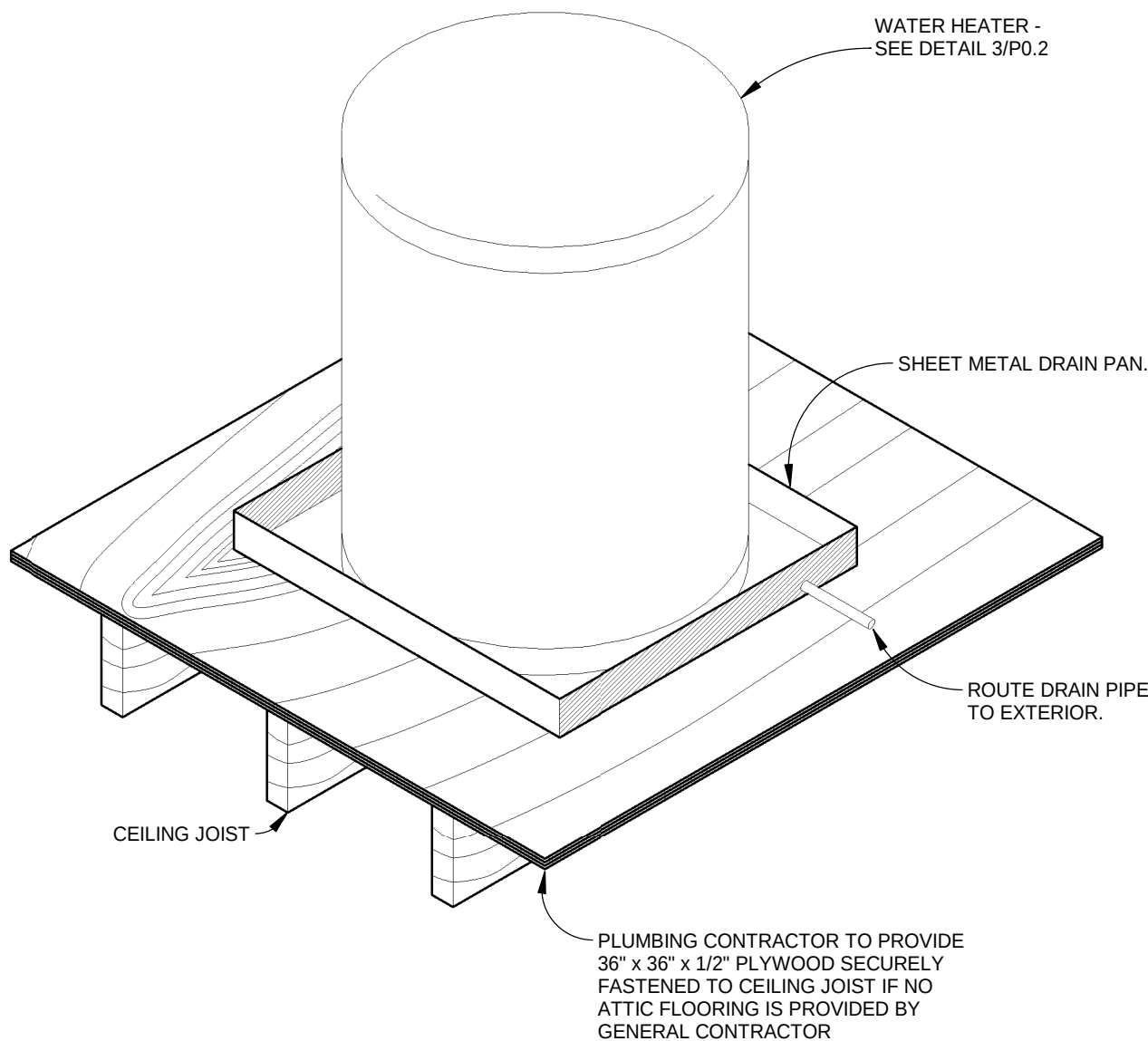
4 WATER COOLER DETAIL
P0.2 NOT TO SCALE



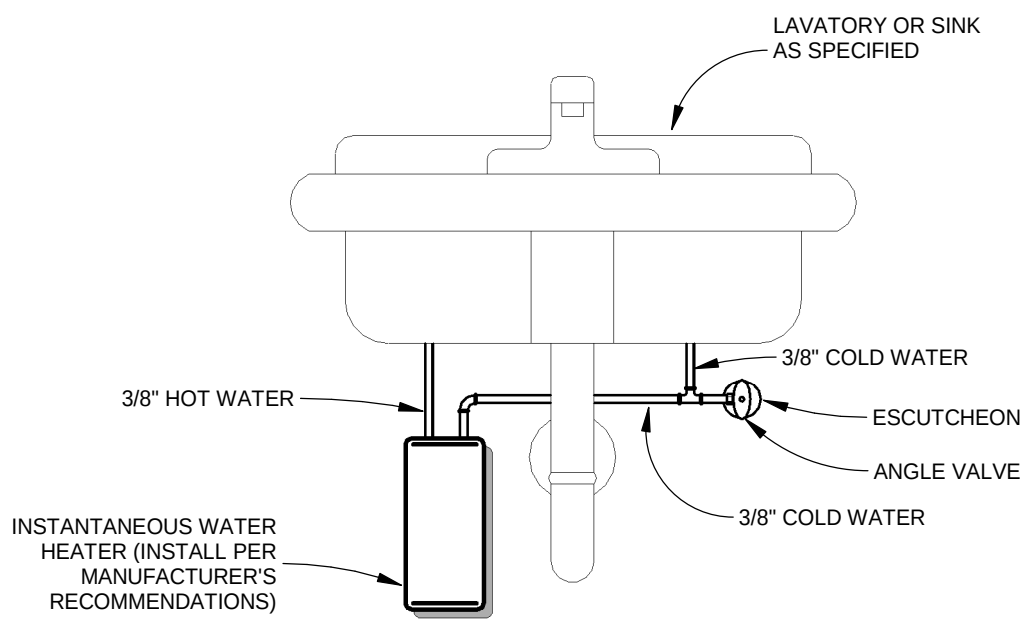
5 WATER CLOSET DETAIL
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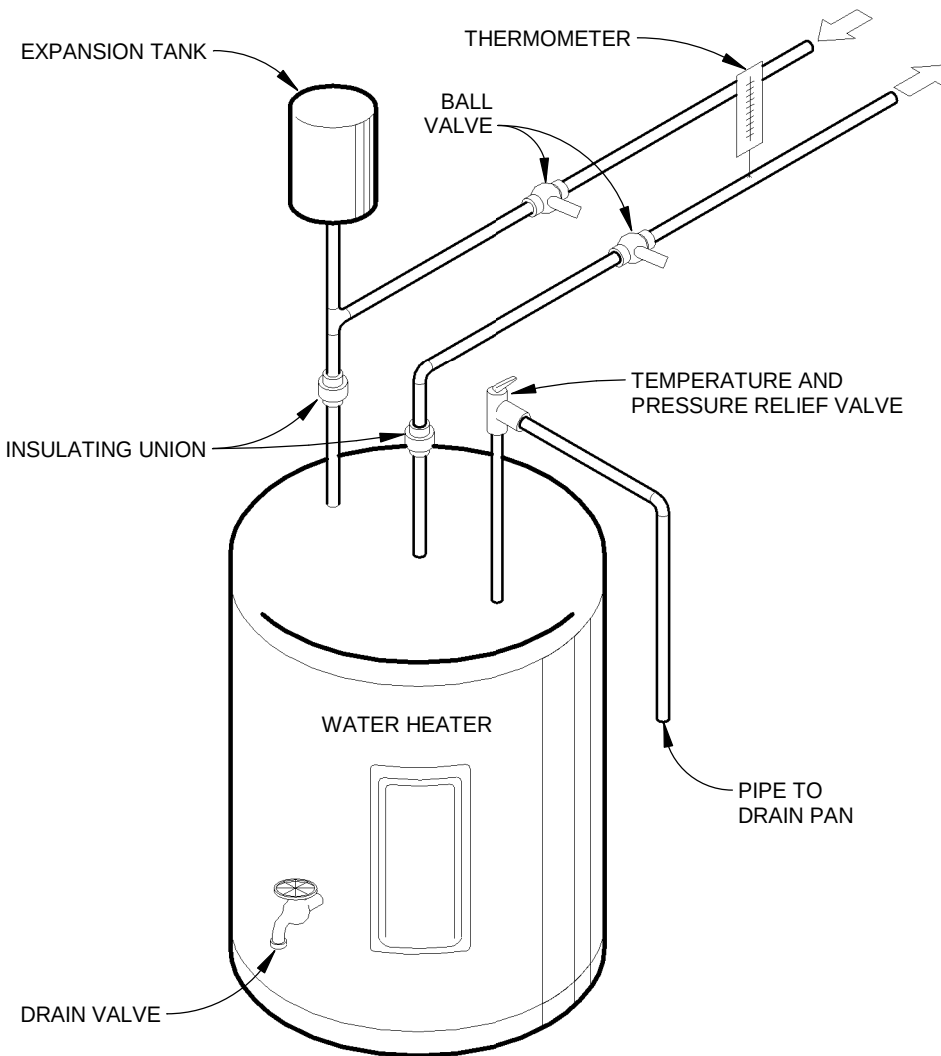
6 WC04-URINAL
P0.2 1/8" = 1'-0"



1 WATER HEATER MOUNTING DETAIL
P0.2 NOT TO SCALE



2 INSTANTANEOUS HOT WATER HEATER
P0.2 NOT TO SCALE



3 TANK WATER HEATER DETAIL
P0.2 NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
	L-2	LAVERY	KOHLER	K-2861-0	AMERICAN STANDARD	0355.012	ZURN	Z5834		
	FAUCET	DELTA	523LF-HGMHDF	CHICAGO FAUCETS	2200-4	MOEN	8470			
	TRAP	McGUIRE	8902	DEARBORN BRASS	702-1	KOHLER	K-8999			2"
	SUPPLY	McGUIRE	158LK	BRASS CRAFT	R1912AC	KOHLER	K-7605-P-CP	1/2"	1/2"	
WALL HUNG LAVATORY SHALL BE MADE OF CAST IRON WITH A WHITE FINISH, HAVE 4" CENTERS, AN OVERFLOW. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. DECK MOUNTED FAUCET SHALL BE CHROME FINISH, SINGLE LEVER, 4" CENTERS, WITH 3/8" COPPER SUPPLY TUBE INLETS, AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS. OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW AND CAST BRASS SLIP NUT, AND FLANGE. PROVIDE WITH OFFSET DRAIN, TRUEBRO LAV SHIELD, AND WATER TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3.										
	SA-1	SHOCK ABSORBER	JOSAM	75000	ZURN	Z1700	WADE	4480		
	SHOCK ABSORBERS SHALL HAVE A STAINLESS STEEL CASING, FLEXIBLE MECHANICAL BELLOWS, PRESSURIZED INERT GAS CHAMBER AND CERTIFICATION STAMP AS CONFORMING TO STANDARD PDI WH-201 OF THE PLUMBING AND DRAINAGE INSTITUTE.									
	U-1	URNAL	KOHLER	K-5016-ET	SLOAN	SU7009	AMERICAN STANDARD	6541.132		2"
	VALVE	SLOAN	186	DELANY	F451-1	ZURN	Z6003-AV	3/4"	-	
	CARRIER	ZURN	Z-1221	JR SMITH	636	WATTS	CA-311			
URNAL SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND 3/4" TOP SPUD. EXPOSED CHROME PLATED FLUSH VALVE WITH 3/4" CHROME PLATED SPUD COUPLING AND FLANGE.										
	WC-1	WATER CLOSET	KOHLER	K-96053-0	SLOAN	ST-2009	AMERICAN STANDARD	2234.015		4"
	SEAT	BEMIS	1655SSC	KOHLER	K-4670-C-0	CHURCH	9500C			
	VALVE	SLOAN	111	DELANY	F402-1	ZURN	Z6000-WS1	1"	-	
TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN AND 1 1/2" TOP SPUD. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. EXPOSED CHROME PLATED FLUSH VALVE WITH 1 1/2" CHROME PLATED SPUD COUPLING AND FLANGE.										
	WC-2	WATER CLOSET	KOHLER	K-96057-0	SLOAN	ST-2029	AMERICAN STANDARD	2305.100		4"
	SEAT	BEMIS	1655SSC	KOHLER	K-4670-C-0	CHURCH	9500C			
	VALVE	SLOAN	111	DELANY	F402-1	ZURN	Z6000-WS1	1"	-	
TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN AND 1 1/2" TOP SPUD. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. EXPOSED CHROME PLATED FLUSH VALVE WITH 1 1/2" CHROME PLATED SPUD COUPLING AND FLANGE. THE FLUSH VALVE MECHANISM SHALL BE PLACED ON THE WIDE SIDE OF THE STALL.										
	WH-1	WATER HEATER	STATE INDUSTRIES	PCE 20 10MSA	A.O. SMITH		LOCHINVAR		3/4"	3/4"
	ELECTRIC WATER HEATER SHALL HAVE A 20 GALLON STORAGE CAPACITY, AN ELECTRIC INPUT OF 1.5 KW AT 120 VOLT, SINGLE PHASE AND A RECOVERY OF 6 GPH AT A 100' RISE. PROVIDE WITH THERMOSTATIC MIXING VALVE SET AT 110°F. EXPANSION TANK AND DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. WATER HEATER TO BE PROVIDED WITH HEAT TRAPS AND MEET THE ENERGY EFFICIENCY REQUIREMENT PER 2016 NORTH CAROLINA STATE BUILDING CODE. ENERGY CONSERVATION CODE.									
	WH-2	WATER HEATER	EEMAX	SP2412					3/8"	3/8"
	ELECTRIC INSTANTANEOUS WATER HEATER SHALL HAVE AN ELECTRIC INPUT OF 2.4 KW AT 120 VOLT, SINGLE PHASE. WIRING BY LICENSED ELECTRICAL CONTRACTOR.									

PLUMBING SCHEDULE NOTES AND LEGEND:

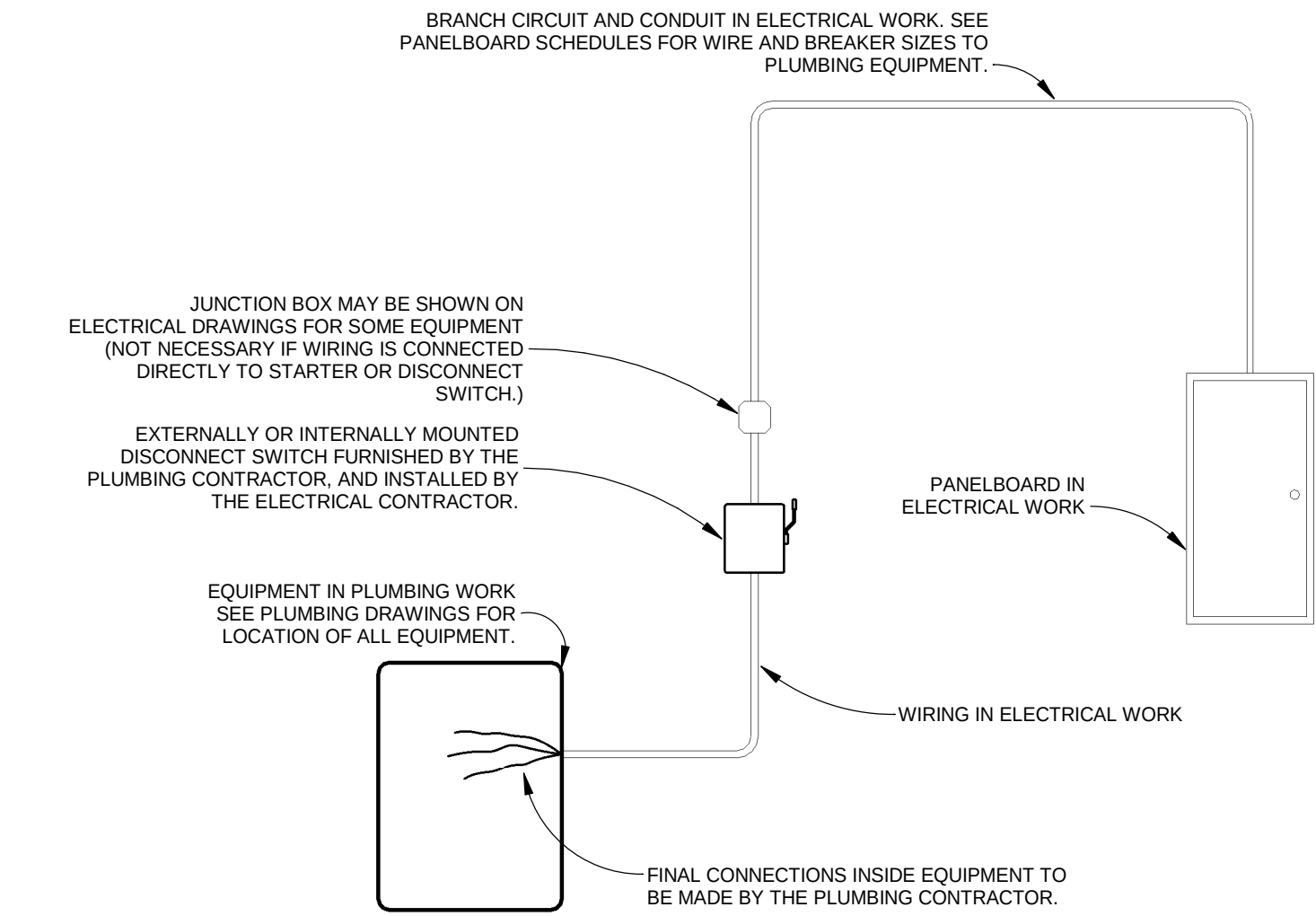
- THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
- SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
- PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
- REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.

- ADA COMPLIANT
- ELECTRICAL POWER
- GAS FIRED

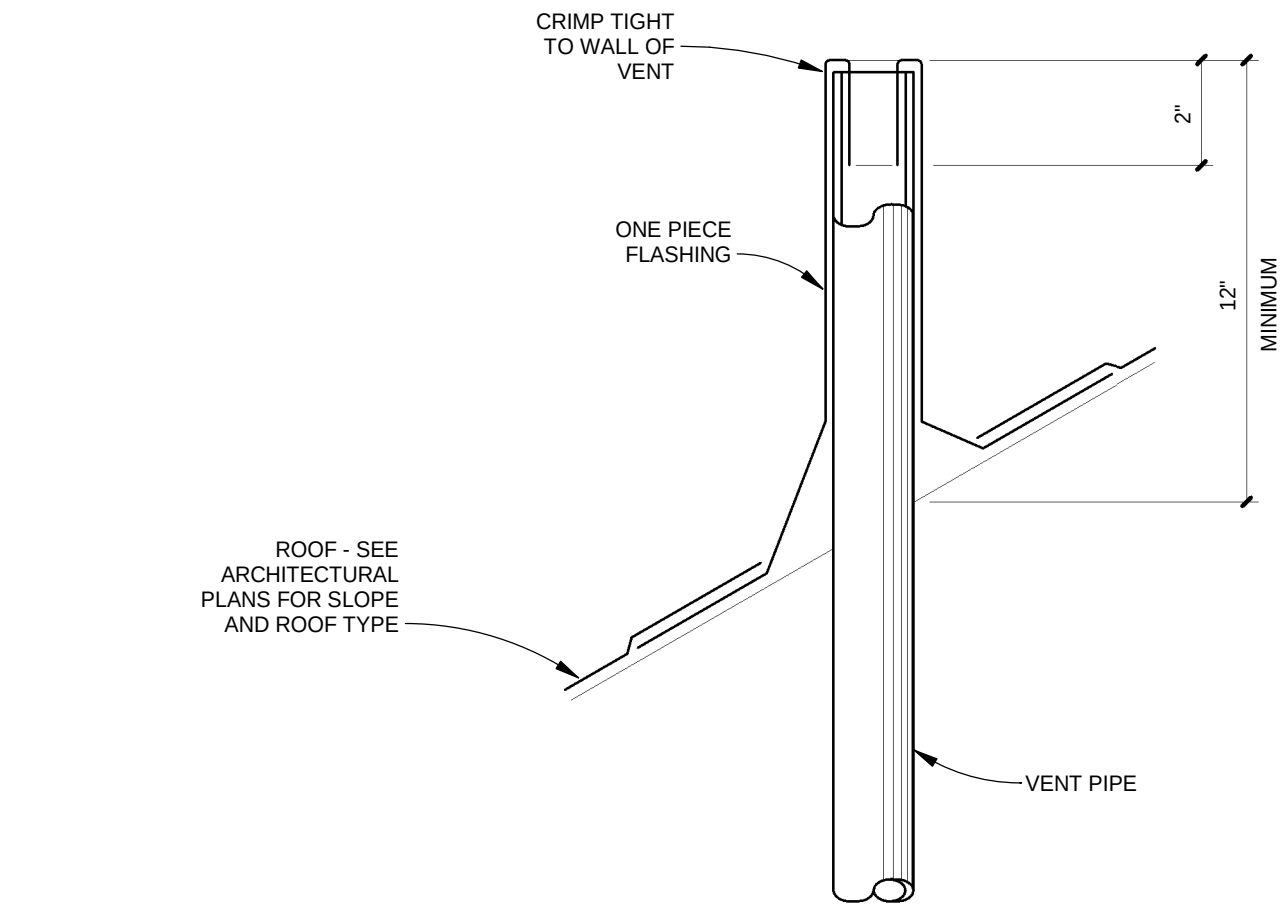
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions
Description Date

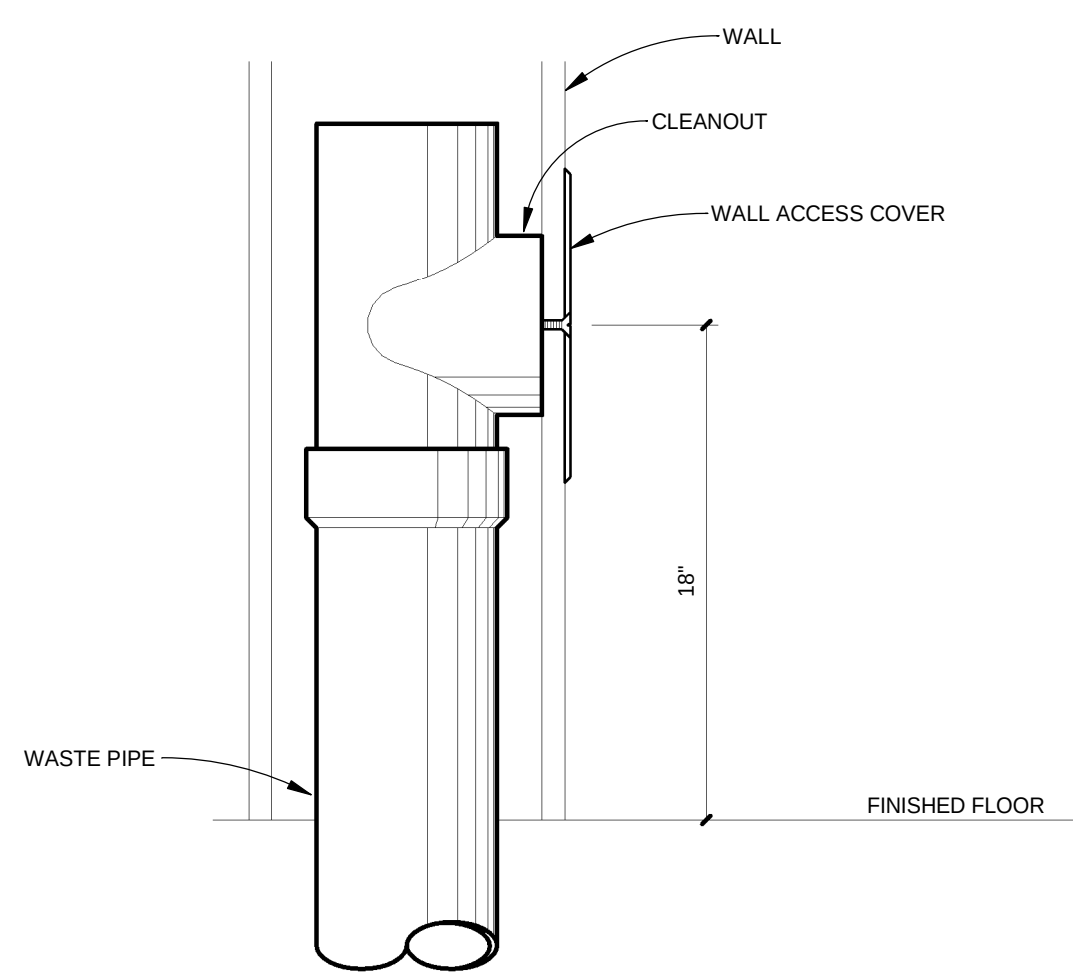
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5/9/2024
Project No.
22038
Drawn By
JHH
Sheet No.
P0.2
Checked By
JHH
Sheet Title
PLUMBING FIXTURE SCHEDULE



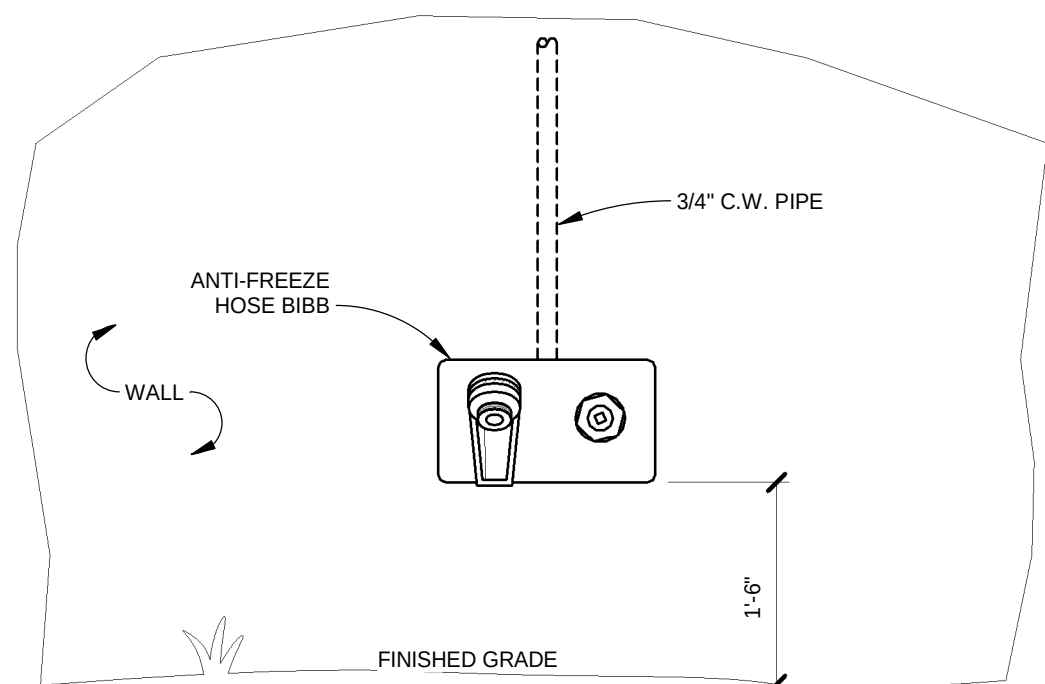
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P0.3
TYPICAL WIRING DETAIL
NOT TO SCALE



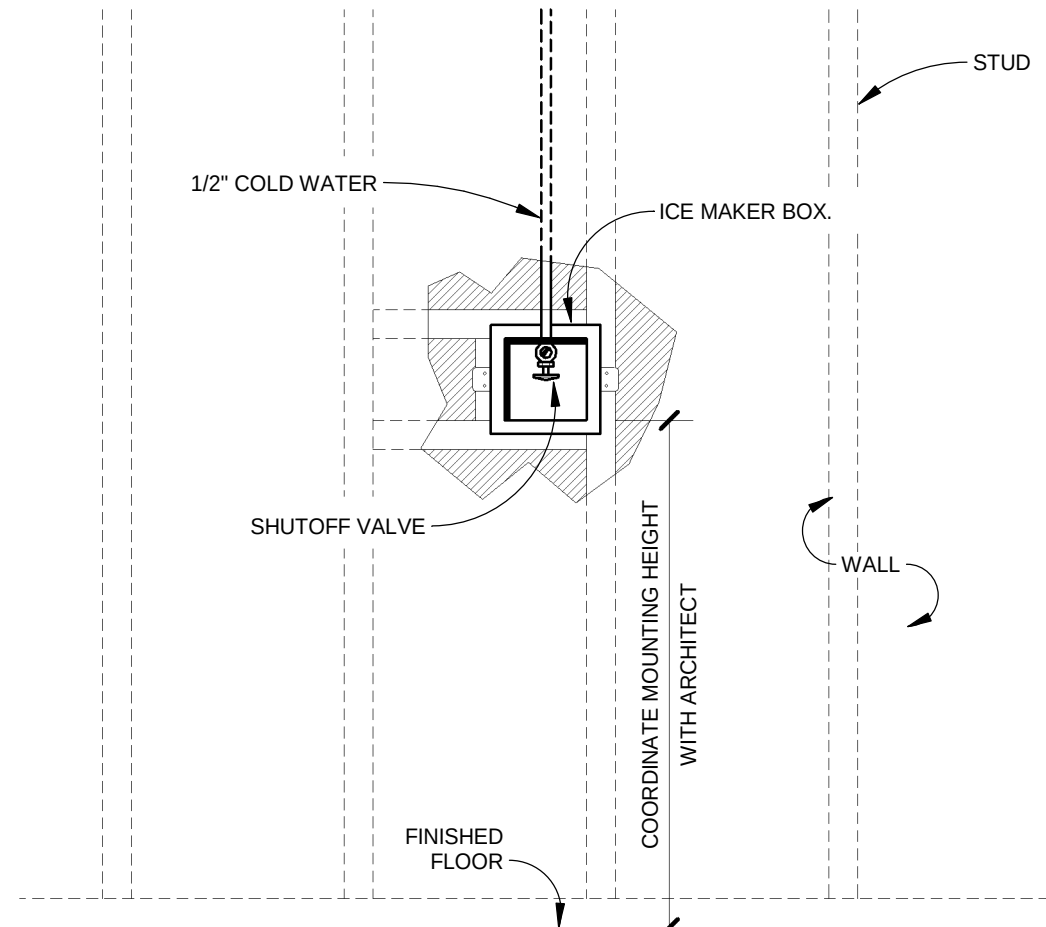
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P0.3
VENT THROUGH ROOF DETAIL
NOT TO SCALE



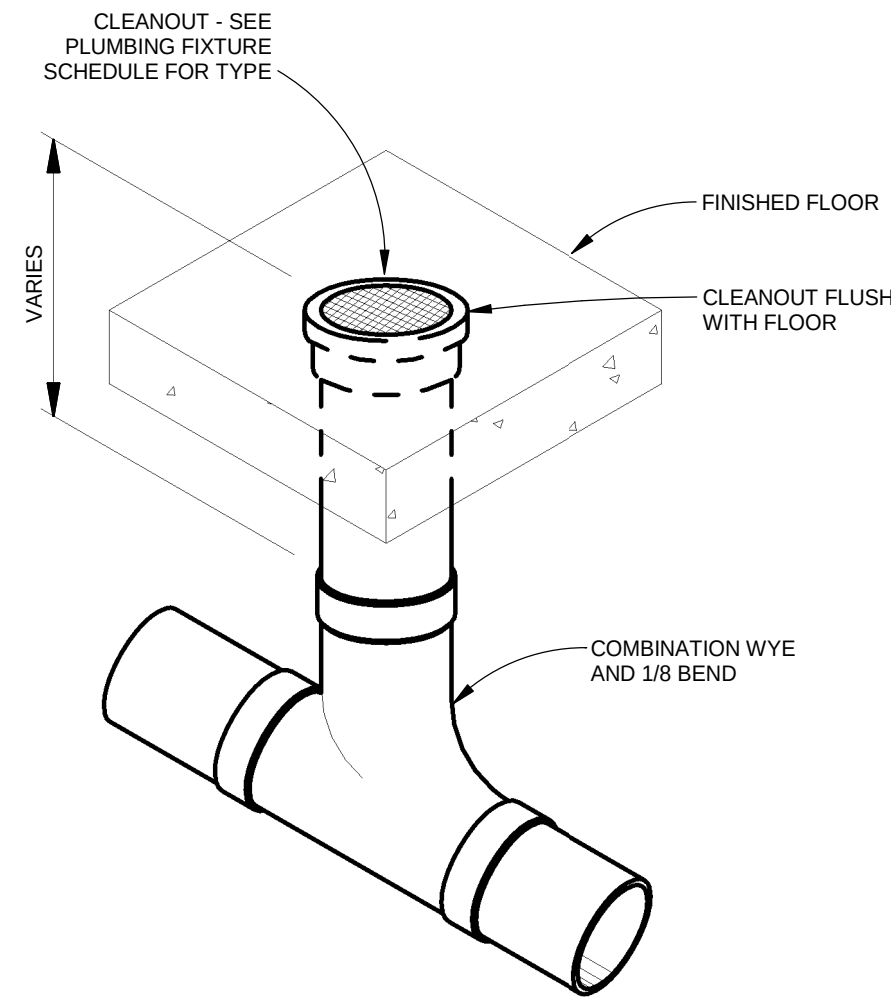
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WALL CLEANOUT DETAIL
NOT TO SCALE



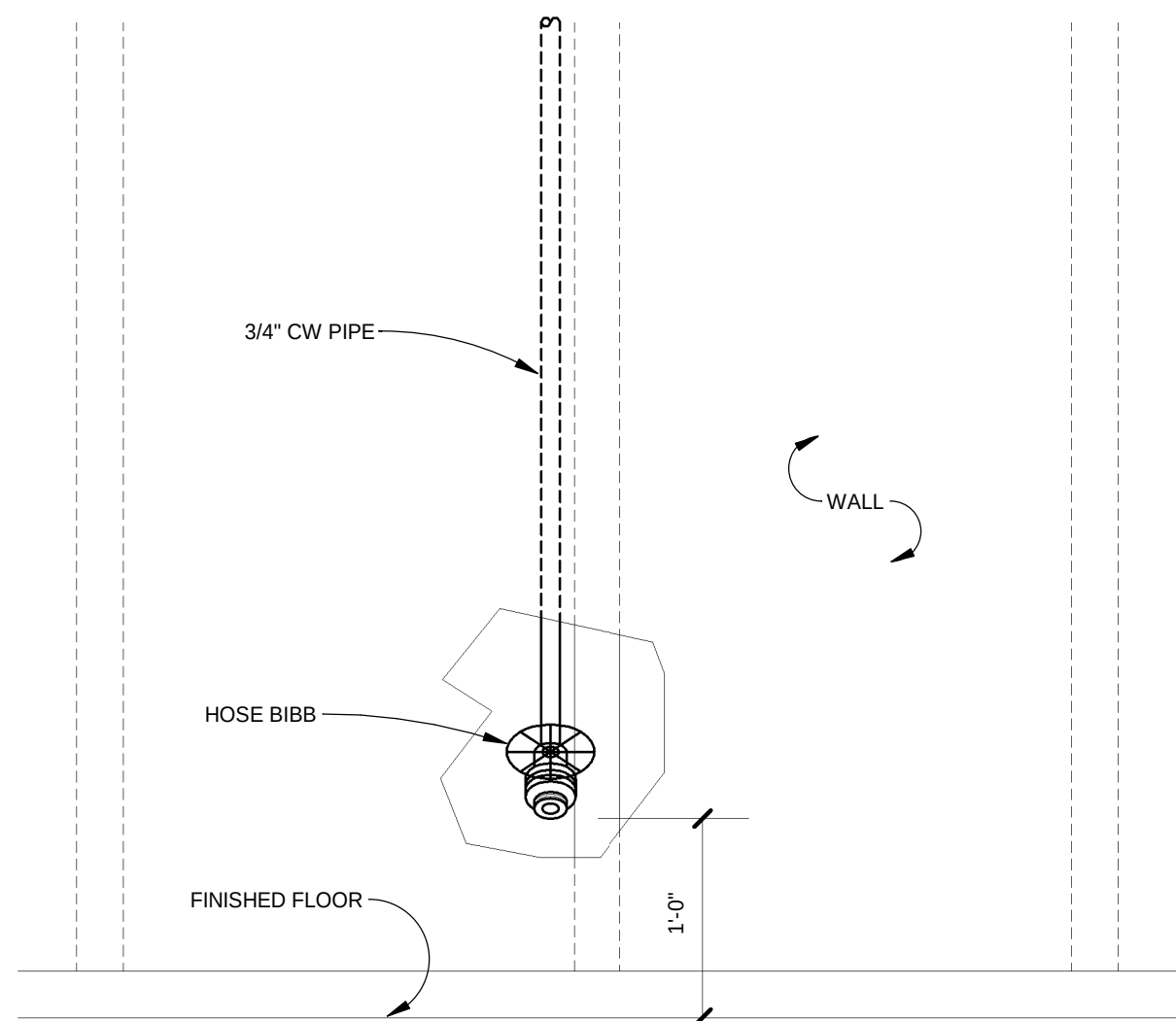
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HOSE BIBB DETAIL
NOT TO SCALE



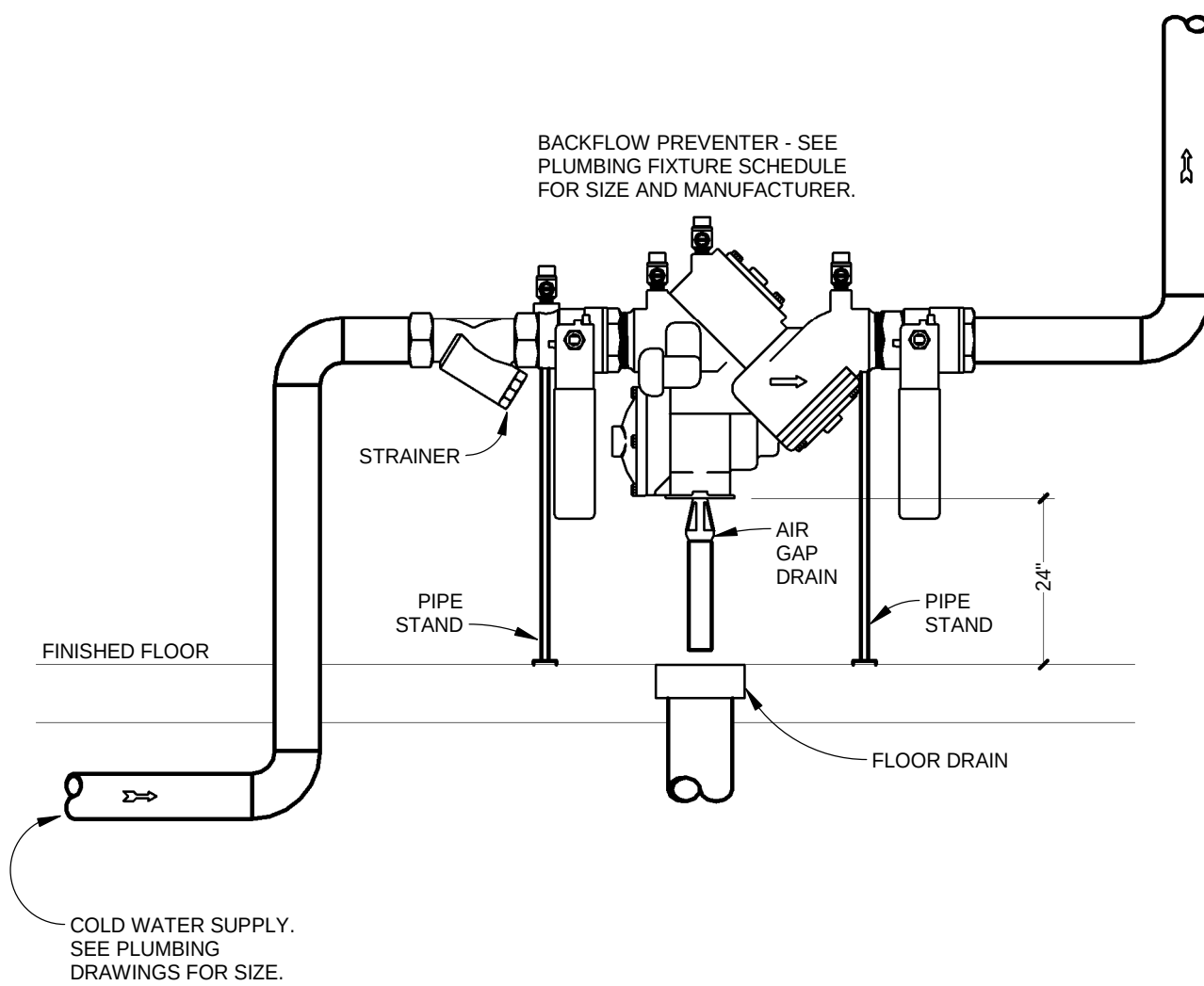
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ICE MAKER BOX DETAIL
NOT TO SCALE



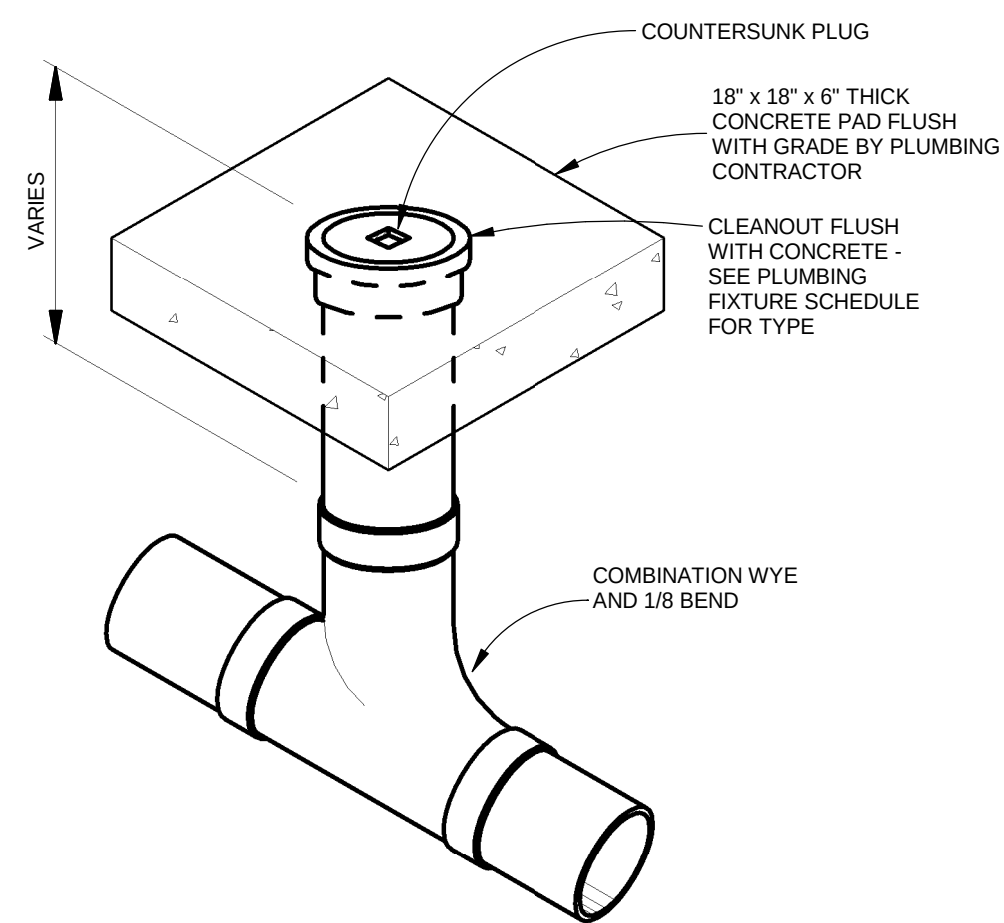
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P0.3
FLOOR CLEANOUT DETAIL
NOT TO SCALE



9
P0.3
HOSE BIBB DETAIL
NOT TO SCALE



6
P0.3
BACKFLOW PREVENTER DETAIL
NOT TO SCALE



NOTE: SEE SITE AND/OR UTILITY PLAN FOR LOCATION AND FINISH GRADE ELEVATION

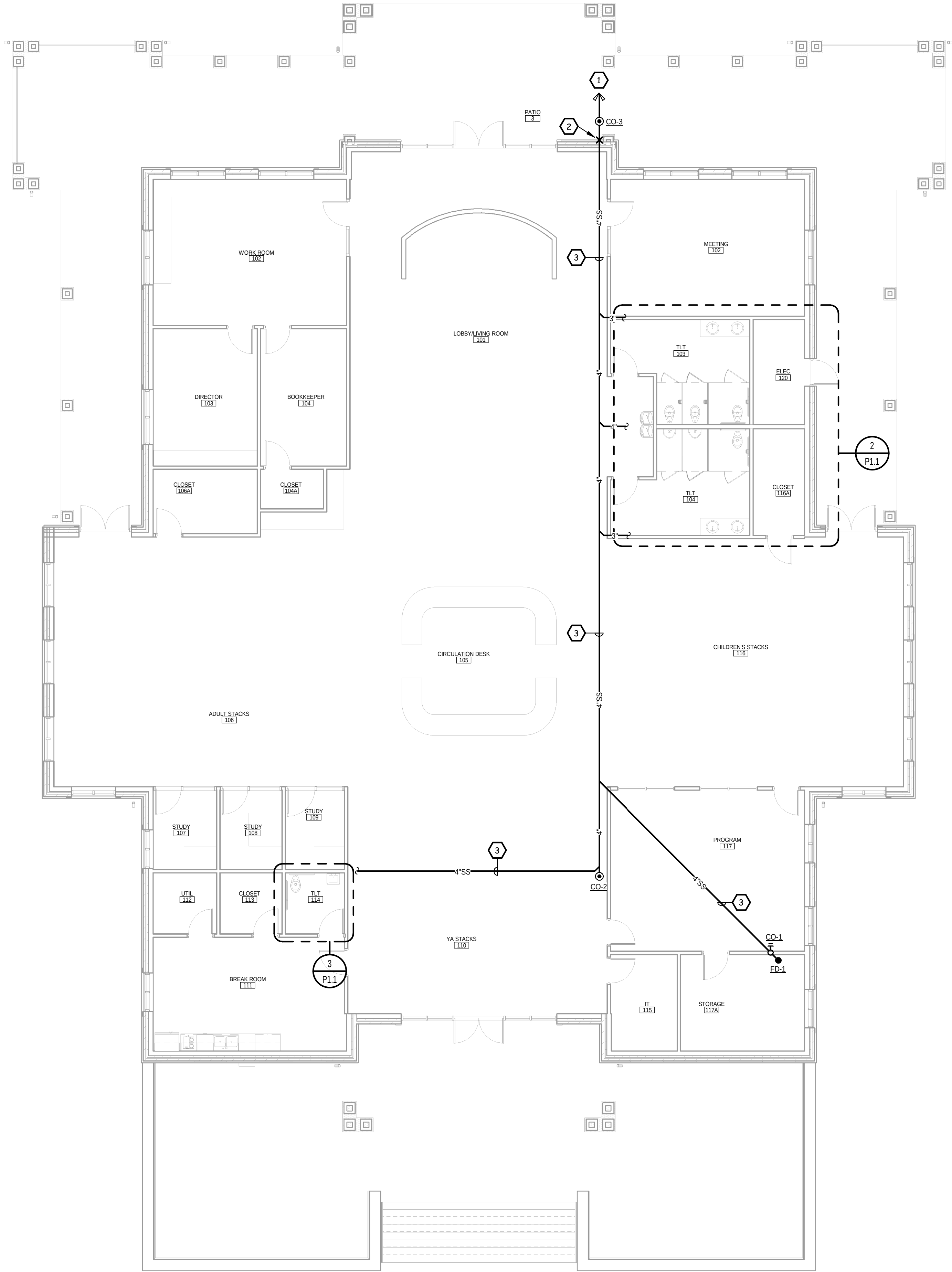
3
P0.3
EXTERIOR CLEANOUT DETAIL
NOT TO SCALE

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1
P1.1

WASTE PIPING PLAN

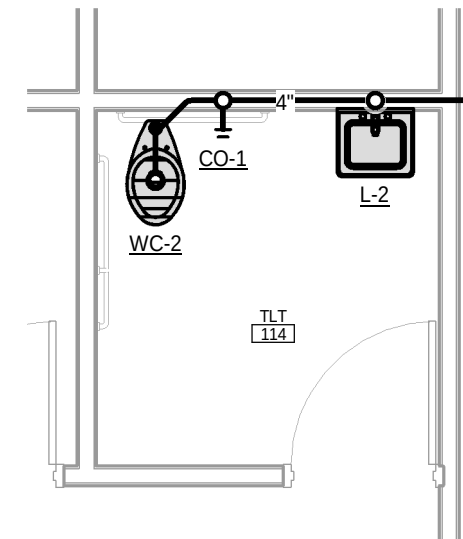
1/8" = 1'-0"



3
P1.1

ENLARGED PRIVATE TOILET - WASTE PIPING PLAN

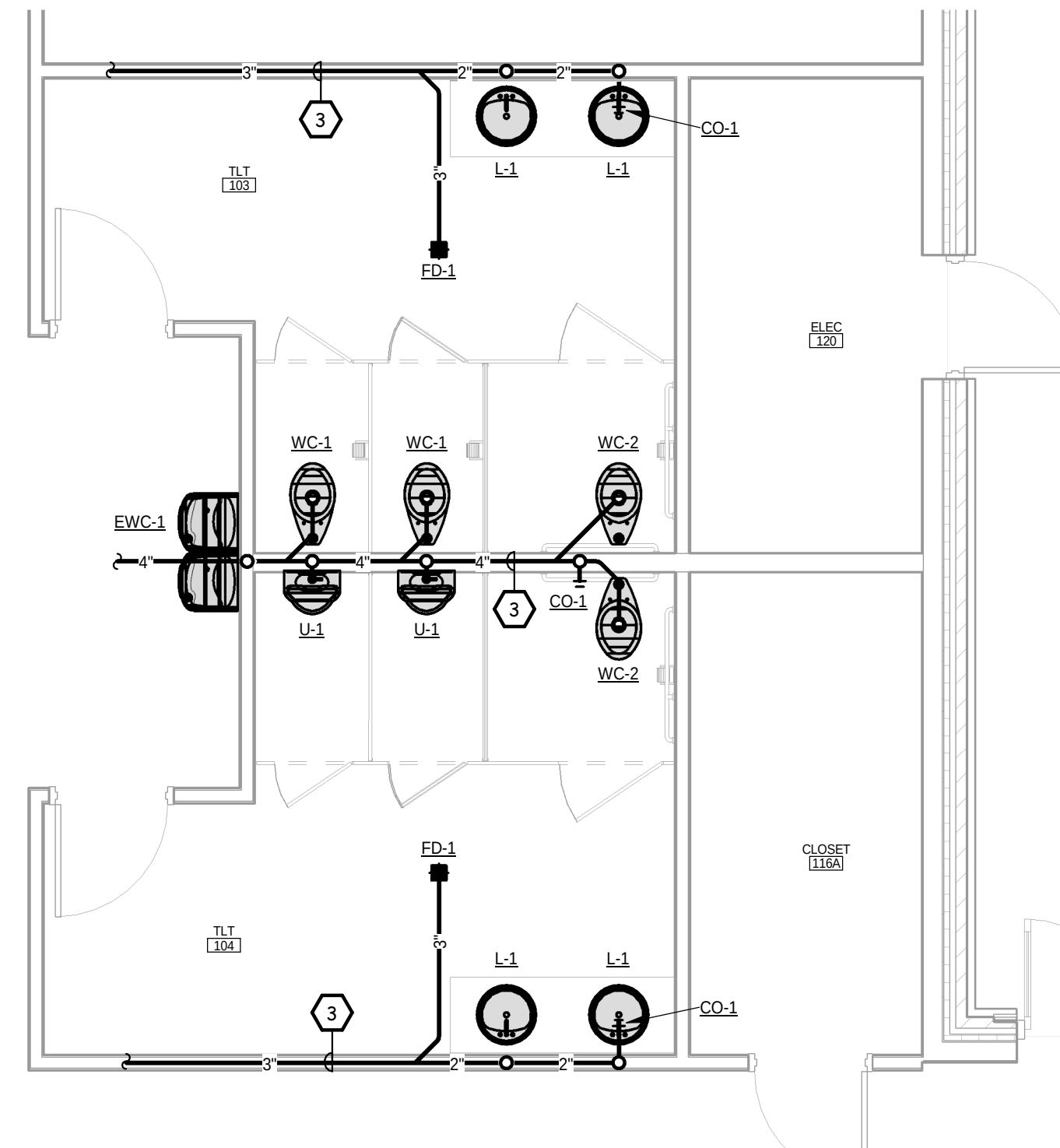
1/4" = 1'-0"



2
P1.1

ENLARGED GANG TOILET - WASTE PIPING PLAN

1/4" = 1'-0"



KEY NOTES P1.1

- 1 4" SANITARY SEWER PIPE TO BE LOCATED BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK EXTENDS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION.
- 2 INVERT ELEVATION IS TO BE 1.95' BELOW FINISHED FLOOR.
- 3 SANITARY SEWER PIPE BELOW FINISHED FLOOR.

NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

SD/DD
REVIEW SET

PRELIMINARY NOT FOR CONSTRUCTION

SD/DD
REVIEW SET

PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE:
Prior to construction
start. Contractor shall
verify & be responsible
for all Dimensions.

Revisions
Description Date

Date
5/9/2024

Project No.
22038

Drawn By

JHH

Sheet No.

P1.1

Checked By

JHH

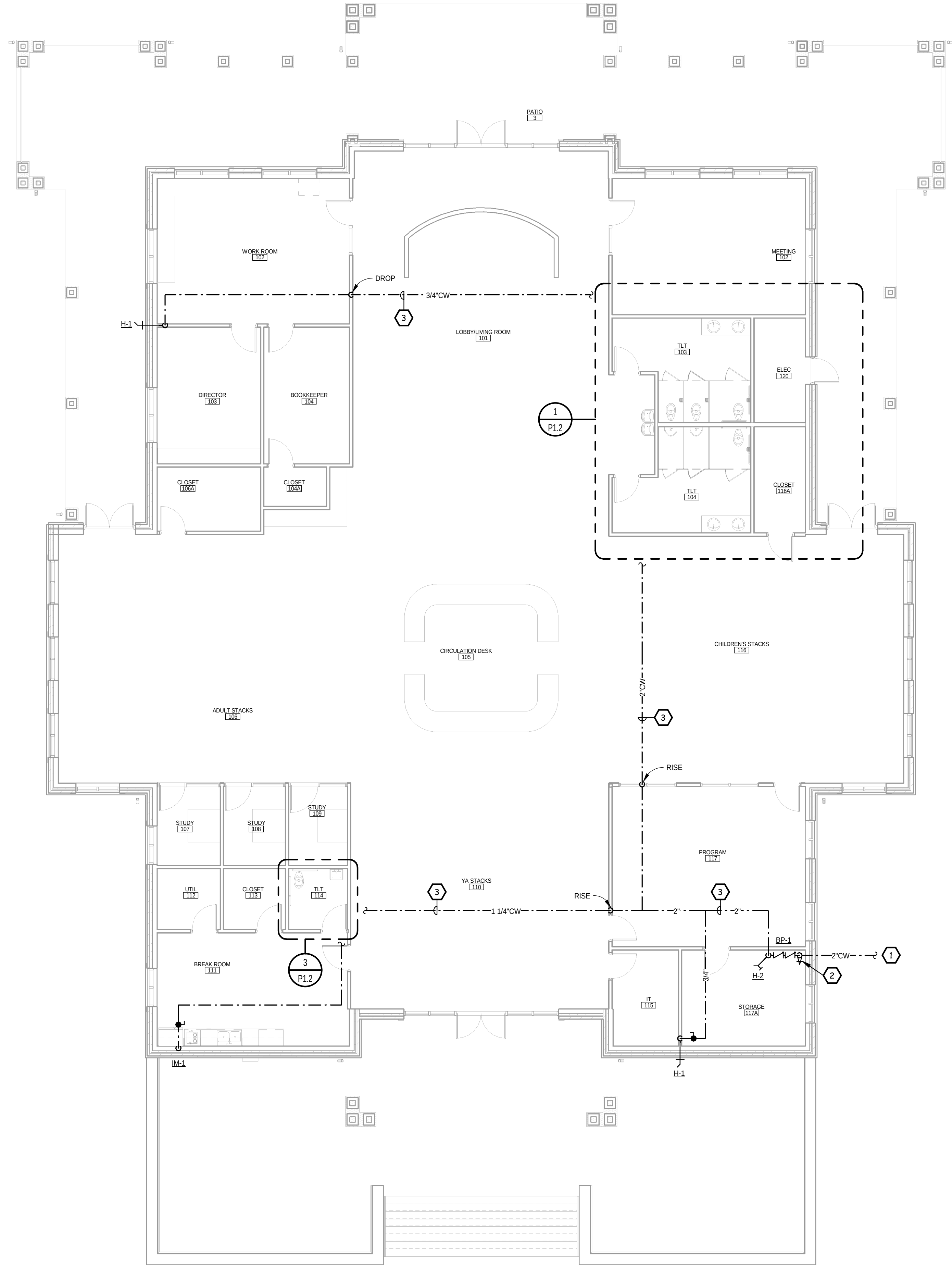
Sheet Title
WASTE PIPING PLAN

OAKLEY
COLLIER
ARCHITECTS
OCA

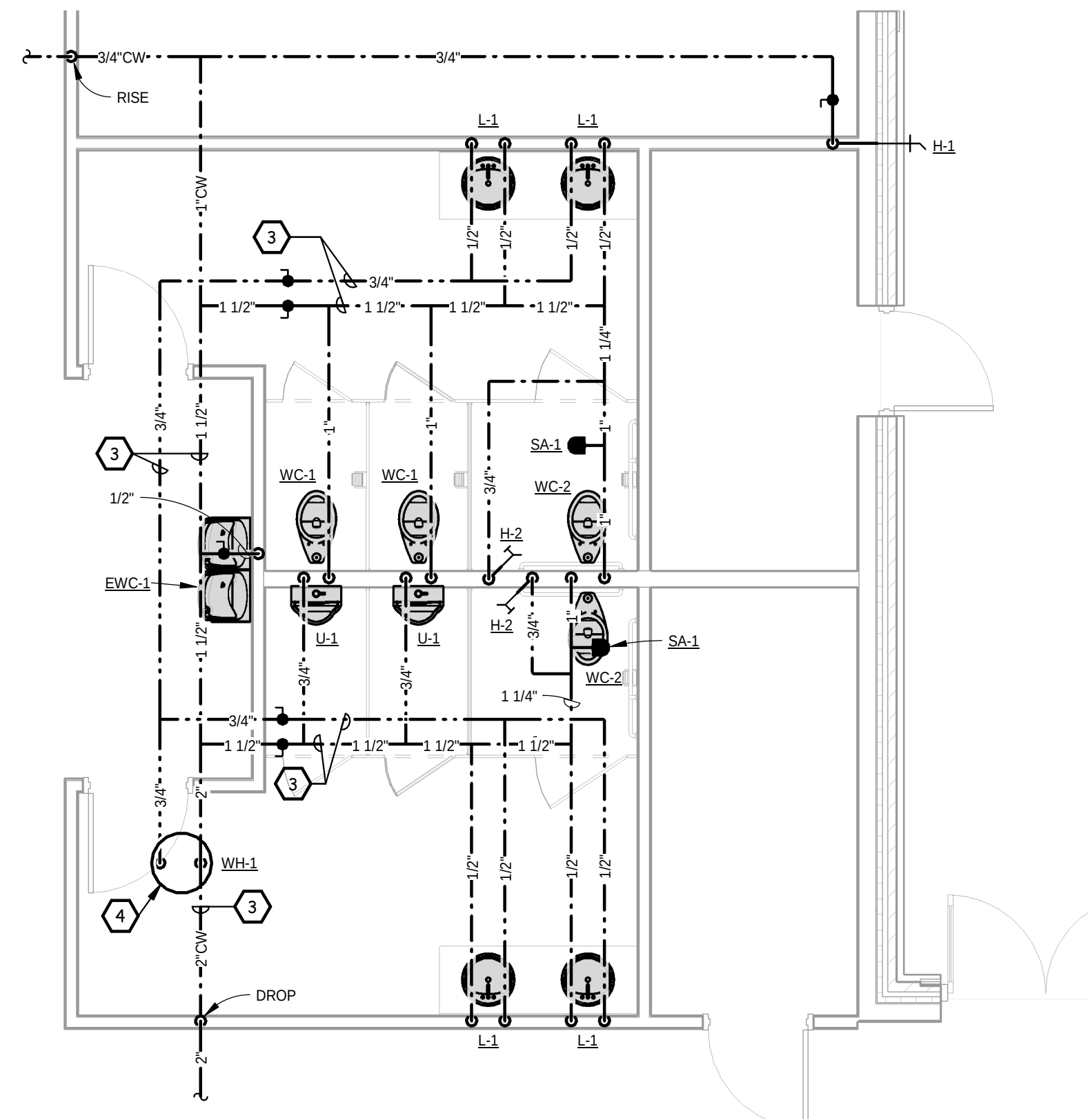
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
303 W. Martin Street, Raleigh, NC 27601

ATLANTEC
ENGINEERS PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
24084

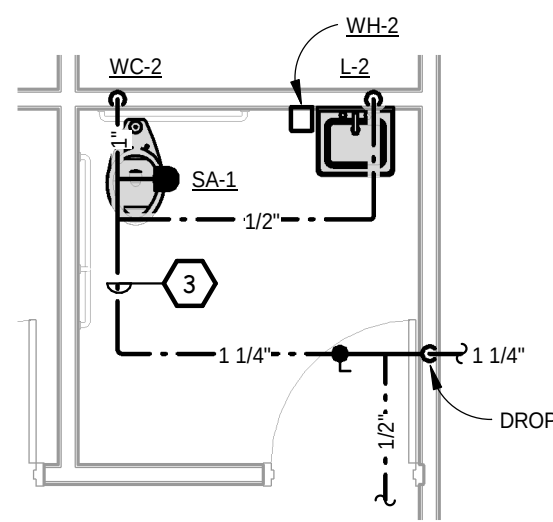
2
P1.2 WATER PIPING PLAN
1/8" = 1'-0"



1
P1.2 ENLARGED GANG TOILET - WATER PIPING PLAN
1/4" = 1'-0"



3
P1.2 ENLARGED PRIVATE TOILET - WATER PIPING PLAN
1/4" = 1'-0"



NEW CONSTRUCTION FOR:

GIVEN MEMORIAL LIBRARY

VILLAGE OF PINEHURST
MAGNOLIA DRIVE, PINEHURST, NC

SD/DD
REVIEW SET

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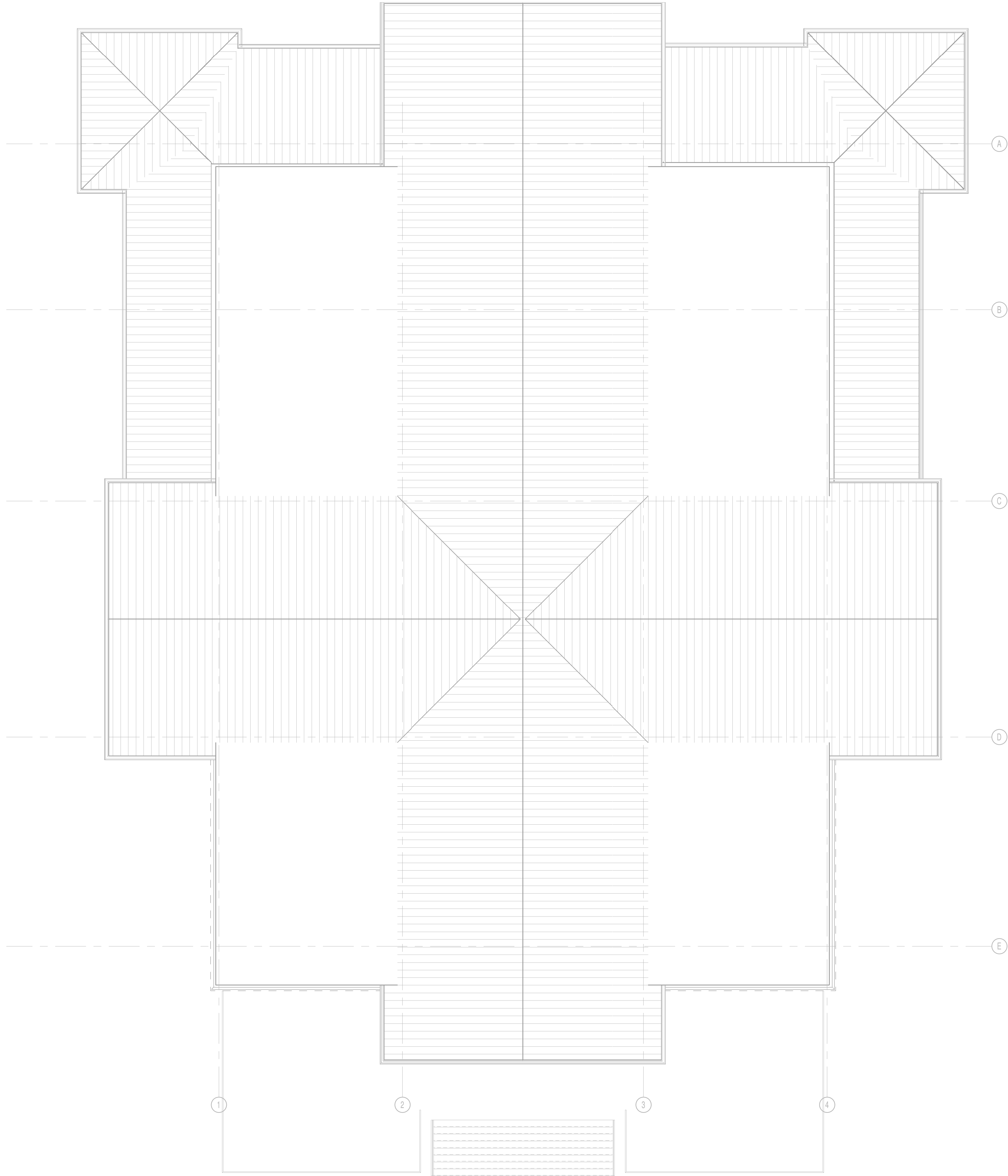
Revisions
Description Date

Date	Project No.
5/9/2024	22038
Drawn By	Sheet No.
JHH	P1.2
Checked By	
JHH	
Sheet Title	
WATER PIPING PLAN	

OAKLEY
COLLIER
ARCHITECTS
OCA

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303 W. Martin Street, Raleigh, NC 27601

ATLANTEC
ENGINEERS PA
3221 BLUE RIDGE ROAD, SUITE 113
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(919) 571-1111
24084



1
M1.2 MECHANICAL ROOF PLAN
1/8" = 1'-0"



**Report from Councilmembers on the NCDOT Listening Sessions for the
Proposed Continuous Flow Intersection (CFI) Replacement of the Pinehurst
Traffic Circle (PTC)**

ADDITIONAL AGENDA DETAILS:

FROM: Shannon Konstantinou, Village Clerk
CC: Village Council;
DATE OF MEMO: 07/18/2024

MEMO DETAILS

ATTACHMENTS

None



Website Review
ADDITIONAL AGENDA DETAILS:

FROM: Shannon Konstantinou, Village Clerk
CC: Village Council; Jeff Sanborn; Kristin Bunton
DATE OF MEMO: 07/15/2024

MEMO DETAILS

At the request of the Council, we will discuss the Village of Pinehurst website. The presentation given by Ms. Kristin Bunton, Communications Specialist, will cover historical information, a virtual tour, analytics and trends, external platforms, maintenance, and what the future looks like for technological advances.

ATTACHMENTS

None



Discuss the Chinquapin and Magnolia Intersection & Stormwater Improvements Project

ADDITIONAL AGENDA DETAILS:

FROM: Mike Apke, Public Services & Engineering Director
CC: Village Council; Jeff Sanborn
DATE OF MEMO: 07/16/2024

MEMO DETAILS

Back in 2023, the Village engaged McGill Associates to prepare design drawings for the Chinquapin and Magnolia Intersection & Stormwater Improvements project. The proposed project generally includes the conversion of the Magnolia/Chinquapin intersection to a 4-way stop, plus drainage improvements within the intersection and along Magnolia Road. Schematic drawings detailing the proposed improvements are attached for reference.

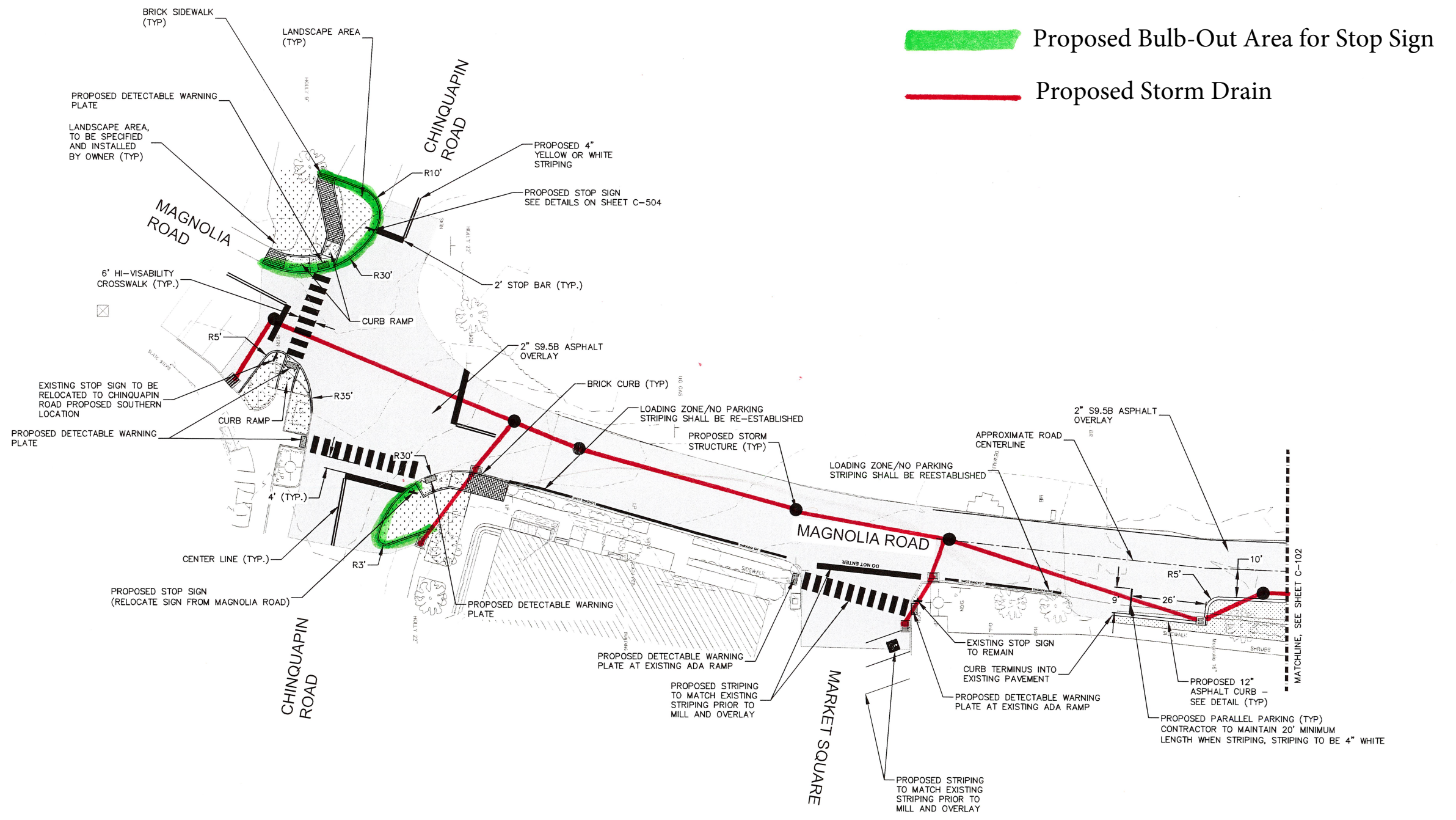
Village staff sent the design plans to several contractors in January 2024 but did not receive any bids. At the time, we were hopeful to have the project completed before the US Open, but several contractors indicated that they were simply too busy to complete the project in a timely manner.

We subsequently sent the bid package to five (5) contractors after the US Open and received one (1) bid on July 18th. The bid we received exceeds our budgeted funds for the project and also exceeds North Carolina's formal bid threshold for construction contracts (\$500,000). As a result, we are unable to accept the bid and must re-advertise using the formal bid process if we want to proceed with the project.

Staff will discuss options and is seeking direction from Council on the next steps for the project.

ATTACHMENTS

1. Chinquapin and Magnolia Plan Sheet C-101
2. Chinquapin and Magnolia Plan Sheet C-102



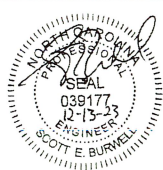
 Proposed Bulb-Out Area for Stop Sign

 Proposed Storm Drain

BID DOCUMENTS



5 Regional Circle
Suite A
Pinehurst, NC 28374
910.295.3159
NC Firm License # C-0459
mcgillassociates.com



NO.	DATE	BY	DESCRIPTION

MAGNOLIA AND CHINQUAPIN INTERSECTION
DESIGN AND STORMWATER IMPROVEMENTS
VILLAGE OF PINEHURST
MOORE COUNTY, NORTH CAROLINA

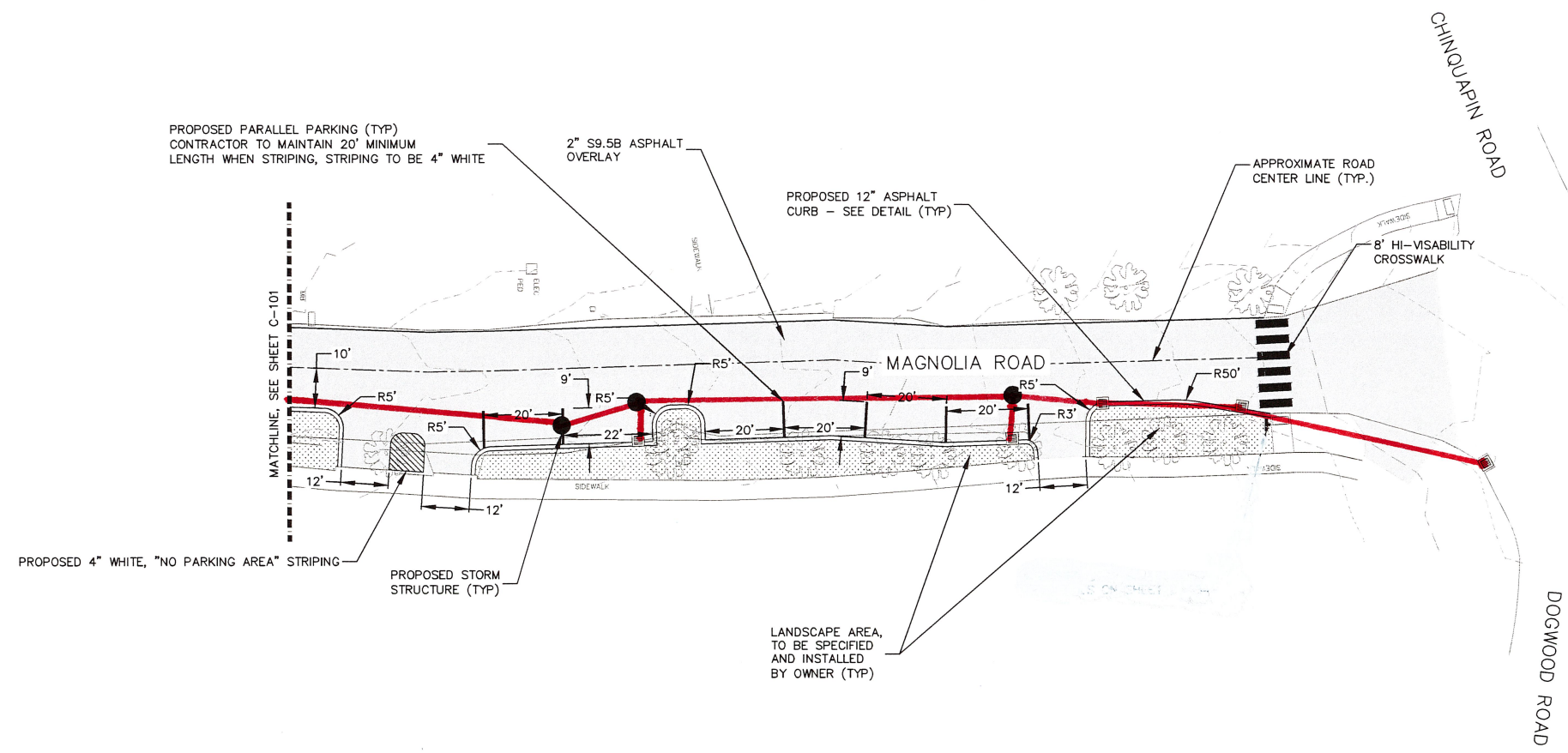
GRAPHIC SCALE DIVISION VALUE = 20 FEET	
OFFICE MANAGER D. HONEYCUTT	DESIGNER N. SAWYER
PROJECT MANAGER S. BURWELL	REVIEWER B. CATHEY

INTERSECTION SITE PLAN		
DATE OCTOBER 2023	PROJECT # 23.01905	FUNDING # N/A

SHEET
C-101



Proposed Storm Drain

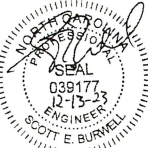


BID DOCUMENTS

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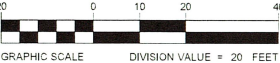
5 Regional Circle
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Pinehurst, NC 28374
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NC Firm License # C-0459
mcgillassociates.com





NO.	DATE	BY	DESCRIPTION

MAGNOLIA AND CHINQUAPIN INTERSECTION
DESIGN AND STORMWATER IMPROVEMENTS
VILLAGE OF PINEHURST
MOORE COUNTY, NORTH CAROLINA



OFFICE MANAGER	DESIGNER
D. HONEYCUTT	N. SAWYER
PROJECT MANAGER	REVIEWER
S. BURWELL	B. CATHEY

MAGNOLIA ROAD SITE PLAN

DATE	PROJECT #	FUNDING #
OCTOBER 2023	23.01905	N/A

SHEET
C-102