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TYCH & WALKER
ARCHITECTS, L.L.P.

MICHAEL WALKER, AIA
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STRUCTURAL ENGINEER
WEATHERLY ENGINEERING

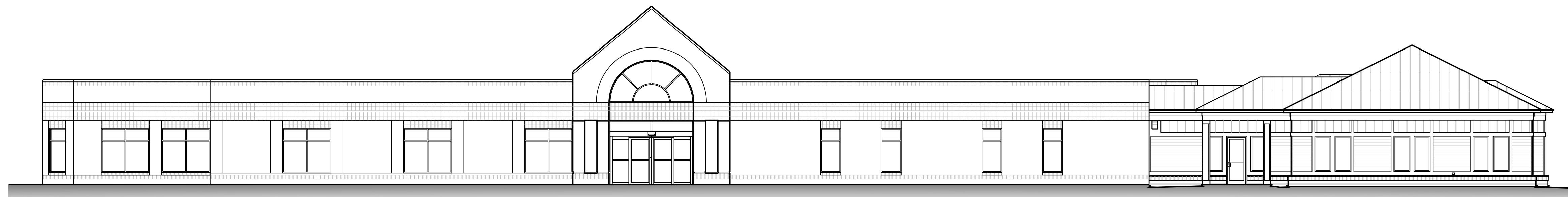
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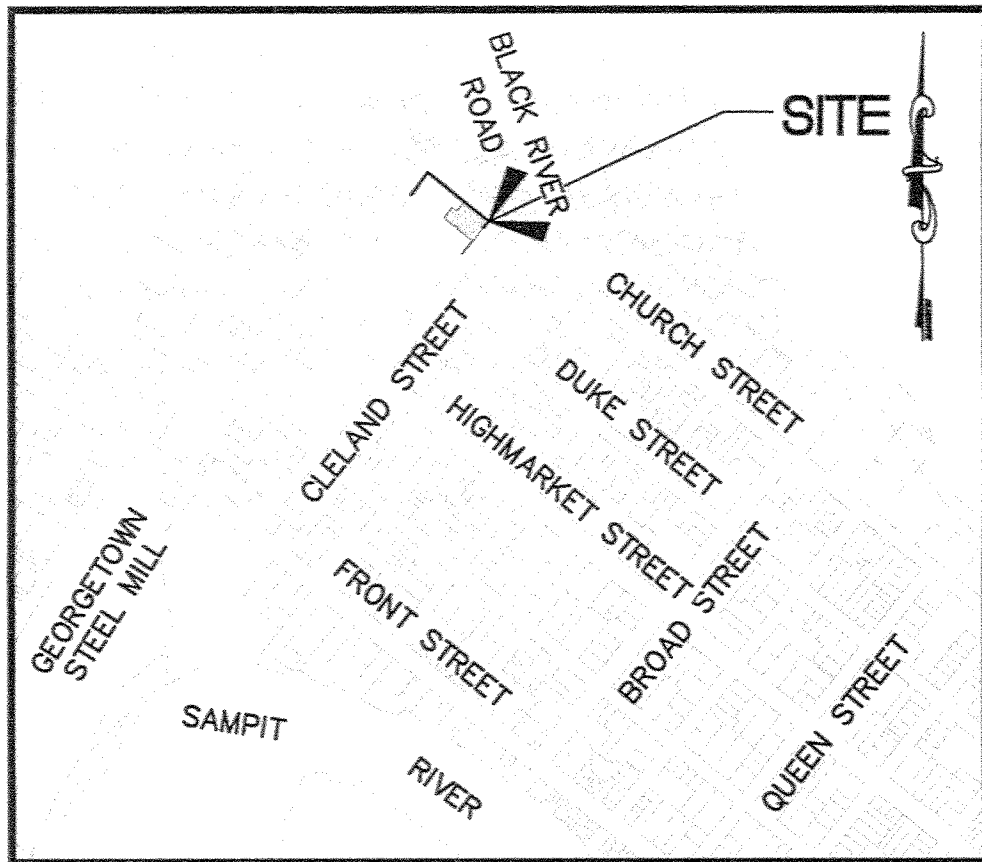
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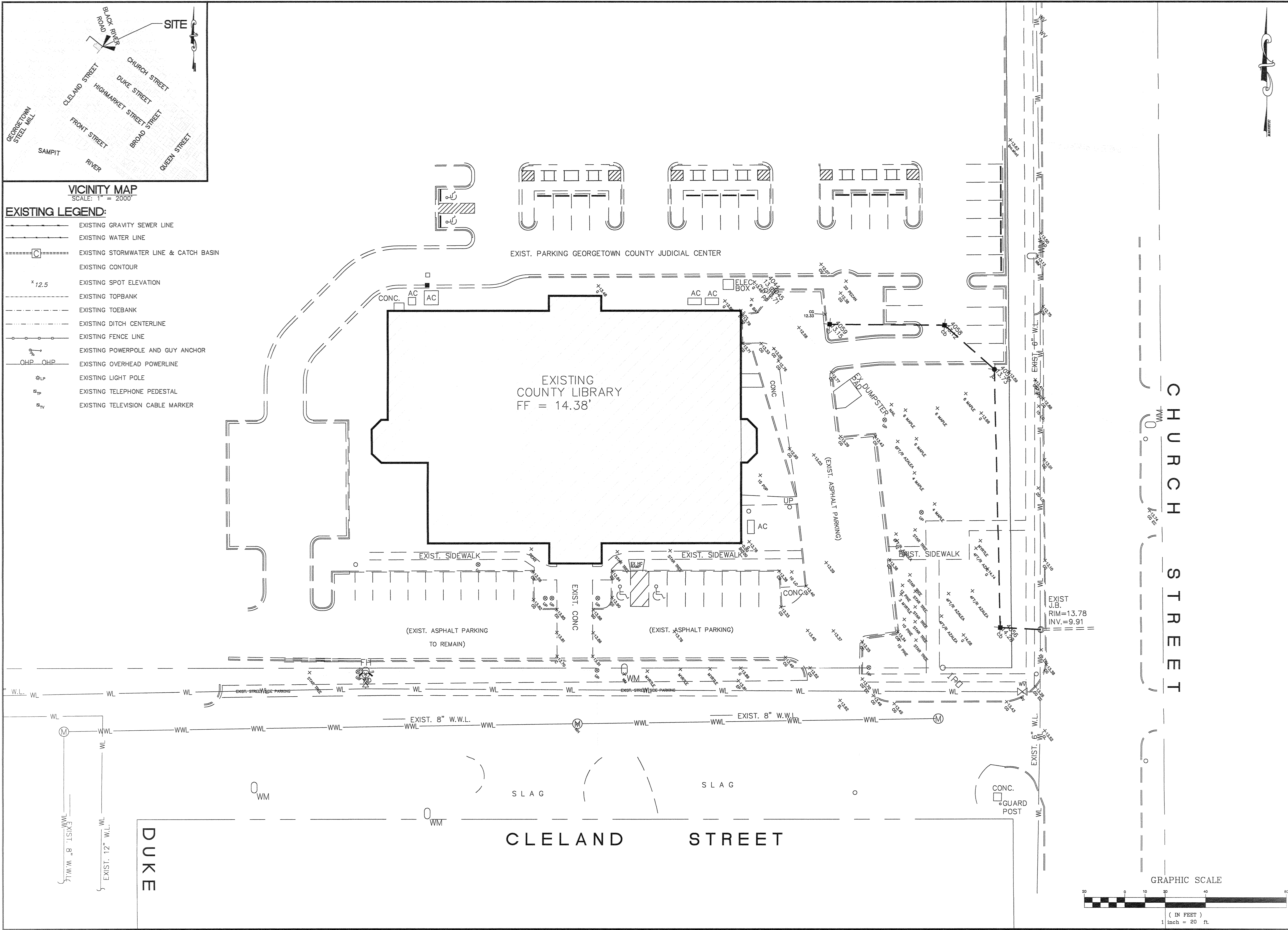
405 CLELAND ST, GEORGETOWN, SC 29440



VICINITY MAP
SCALE: 1" = 2000'

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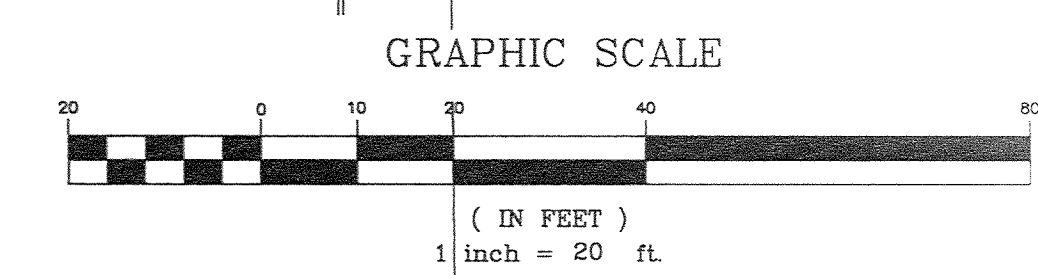
- EXISTING GRAVITY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORMWATER LINE & CATCH BASIN
- EXISTING CONTOUR
- *12.5 EXISTING SPOT ELEVATION
- EXISTING TOPBANK
- EXISTING TOEBANK
- EXISTING DITCH CENTERLINE
- EXISTING FENCE LINE
- EXISTING POWERPOLE AND GUY ANCHOR
- OHP OHP EXISTING OVERHEAD POWERLINE
- *LP EXISTING LIGHT POLE
- *TP EXISTING TELEPHONE PEDESTAL
- *TV EXISTING TELEVISION CABLE MARKER



CHURCH STREET

DUKE STREET

CLELAND STREET



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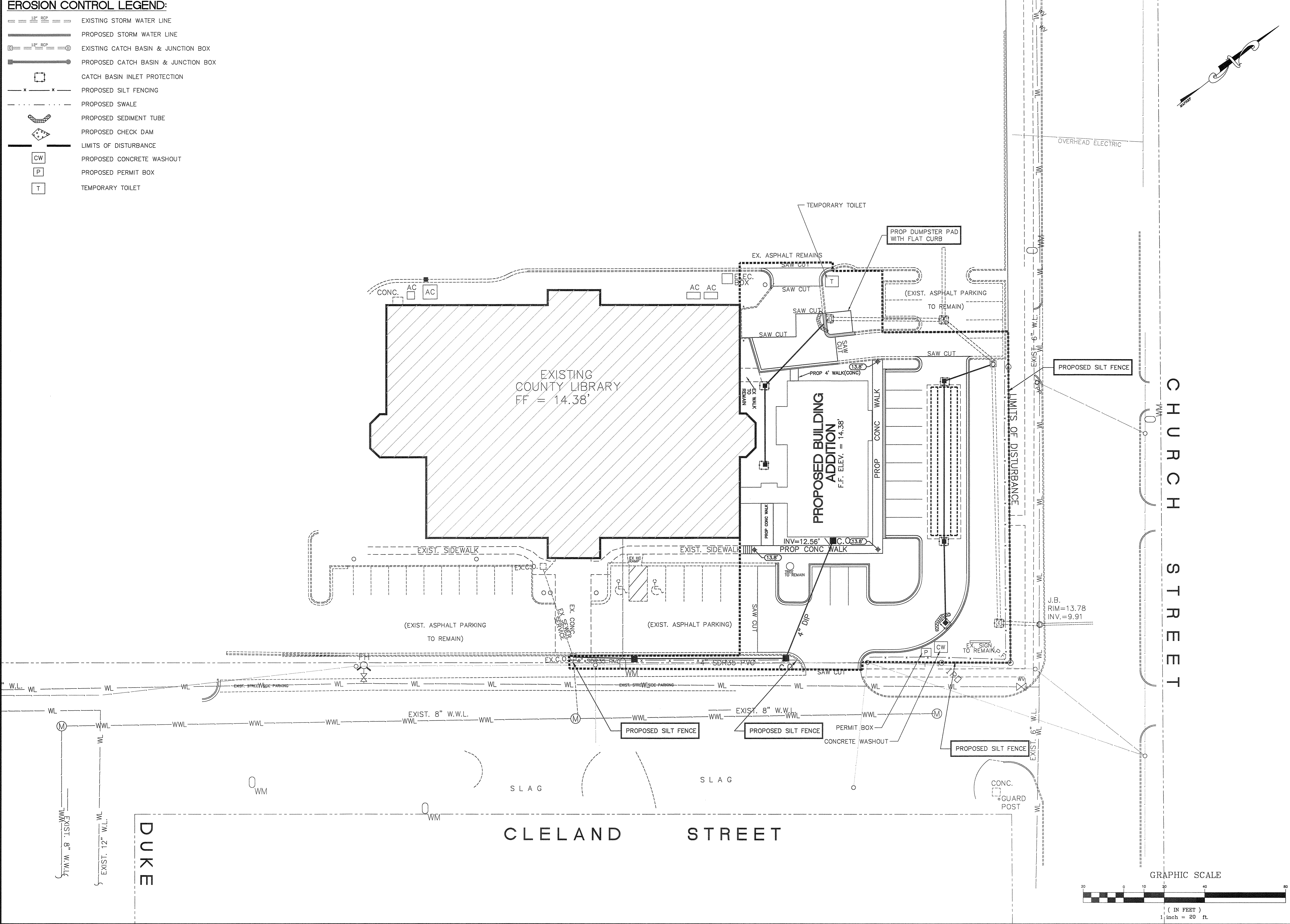
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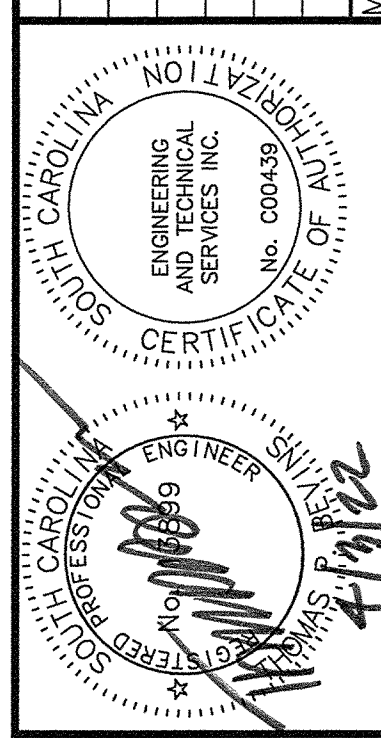
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| | |
|-----------------------------------|-----------------|
| SEDIMENT AND EROSION CONTROL PLAN | CHECKED BY: TPB |
| DRAWN BY: TB | SHEET OF 9 |
| JOB NO. 2020001 | SCALE: 1" = 20' |

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THE CONTRACTOR WILL BE REQUIRED TO OBSERVE THE FOLLOWING:

1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL THE SLOPE IS BROUGHT UP TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, EXCEPT AS STATED BELOW.
 - A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HRS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETED AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR 100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

GRASSING NOTE:

GRASSING SHALL BE IN ACCORDANCE WITH THE FOLLOWING SEED SCHEDULE:

| COMMON NAME OF SEED | RATE | PLANTING DATES |
|---------------------------|------|-------------------|
| COMMON BERMUDA (HULLED) | 60 | MAR. 01 - AUG. 14 |
| COMMON BERMUDA (UNHULLED) | 90 | AUG. 15 - FEB. 28 |
| RYE GRAIN | 20 | AUG. 15 - FEB. 28 |

TEMPORARY SEEDING FOR THE PROJECT SHALL FOLLOW SCHEDULE:

| COMMON SEED NAME | RATE | PLANTING DATES |
|------------------|------|-------------------|
| MILLET | 20 | MAR. 01 - AUG. 14 |
| RYE GRAIN | 20 | AUG. 15 - FEB. 28 |

SERICEA LESPEDEZA (SCARIFIED) MAT BE REQUIRED IN SLOPED AREAS AT 50 LBS./AC. FROM MARCH 1 TO AUGUST 14 AND AT 80 LBS./AC. FROM AUGUST 15 TO FEBRUARY 28. SEE SECTION 810 OF SCODT SPECIFICATIONS FOR FURTHER INFORMATION. IN ALL APPLICATIONS, SEEDED AREA SHALL RECEIVE AN APPLICATION OF MULCH PER SCODT SECTION 810 SPECIFICATIONS. EMULSIFIED ASPHALT SHALL NOT BE UTILIZED IN SCODT R/W WITHOUT SCODT APPROVAL. EMULSIFIED ASPHALT USE MUST MEET ALL STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

SEDIMENTATION AND EROSION CONTROL CONSTRUCTION SEQUENCE NOTE:

IN ORDER TO MINIMIZE THE IMPACT OF SEDIMENTATION AND EROSION, THE CONTRACTOR SHALL OBSERVE THE FOLLOWING SEQUENCE OF CONSTRUCTION OPERATIONS:

- A. CLEARING AND GRUBBING DURING THE BEGINNING OF THE PROJECT.
- B. MAINTAIN EXISTING VEGETATIVE BUFFERS FOR EROSION AND SEDIMENT CONTROL DURING THE BEGINNING OF THE PROJECT.
- C. INSTALLATION OF SEDIMENT BASINS, TRAPS AND OTHER ITEMS WHERE SHOWN OR REQUIRED BY THE PLANS AND SPECIFICATIONS DURING THE BEGINNING OF THE PROJECT.
- D. INSTALLATION OF PERIMETER CONTROLS.
- E. ROAD GRADING.
- F. COMPLETION OF THE SITE GRADING.
- G. GRAVITY UTILITY INSTALLATION (WASTEWATER AND STORM WATER).
- H. WATER MAIN AND ELECTRIC, TELEPHONE AND CABLE TELEVISION INSTALLATION.
- I. FINAL GRADING AND LANDSCAPING STABILIZATIONS.
- J. REMOVAL OF SEDIMENT CONTROLS AT THE END OF THE PROJECT.

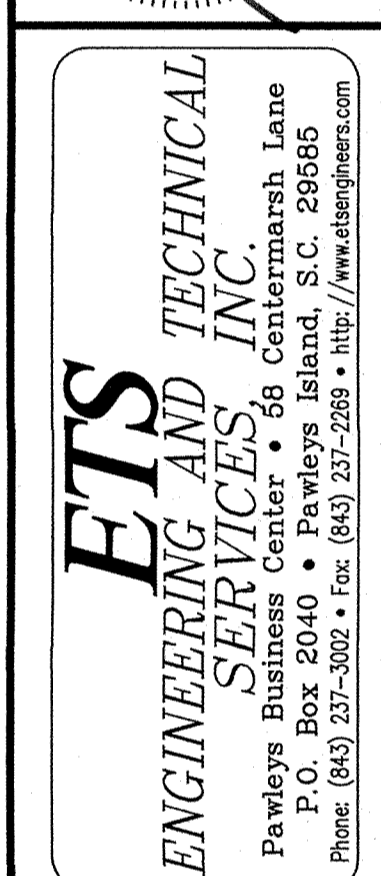
STORMWATER POLLUTION PREVENTION PLAN NOTES

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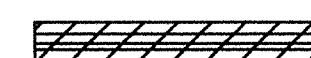





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DEMOLITION NOTES:

- DESIGNATED ASPHALT PAVEMENT TO BE SAW CUT AND REMOVED.
- ALL DEBRIS FROM BUILDING, PARKING LOT, SIDEWALKS, UNDERGROUND UTILITIES, CURB DEMOLITION AND SITE WORK TO BE REMOVED AND HAULED OFF-SITE. HAUL ALL DEMOLITION DEBRIS TO THE GEORGETOWN COUNTY LANDFILL AND DISPOSE OF ALL MATERIALS PROPERLY.
- SEE LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION.
- ALL CONSTRUCTION ACTIVITY AND DEMOLITION OPERATIONS SHALL BE DONE IN A MANNER AS TO PROTECT ALL ADJACENT EXISTING BUILDINGS AND SITE ELEMENTS. ANY EXISTING STRUCTURES OR SITE ELEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE SOLE EXPENSE OF THE CONTRACTOR.
- THE LOCATION OF ALL STAGING AND MATERIAL STORAGE AREAS TO BE UTILIZED BY THE CONTRACTOR MUST BE APPROVED BY AND COORDINATED WITH THE OWNER AND THE SITE ENGINEER. ALL SUCH AREAS AND CONSTRUCTION ACTIVITIES MUST BE PERFORMED IN SUCH A MANNER SO AS TO PROVIDE A MINIMUM OF INTERFERENCE WITH PATRONS AND BUSINESS OPERATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC LANES AROUND THE CONSTRUCTION AREA TO MINIMIZE THE EFFECT OF CONSTRUCTION ON OPERATIONS. IF TEMPORARY ACCESS IS ROUTED NEAR EXCAVATIONS, SUCH ACCESS SHALL BE CLEARLY DELINEATED WITH APPROPRIATE SIGNAGE AND IF REQUIRED, BARRICADES SHALL BE INSTALLED SO AS TO MINIMIZE SAFETY HAZARDS TO THE PUBLIC. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY REQUIREMENTS.
- IN THE EVENT THAT EXISTING UTILITY SERVICES ARE TO BE INTERRUPTED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE RESPECTIVE UTILITY COMPANY AND ALL SERVICE CUSTOMERS WHICH WOULD BE AFFECTED BY THE SERVICE INTERRUPTION. WHEN POSSIBLE, ALL SERVICE INTERRUPTIONS SHALL BE SCHEDULED AT OFF-PEAK HOURS SO AS TO MINIMIZE INCONVENIENCE TO ALL AFFECTED USERS.
- SITE CONTRACTOR TO REMOVE EXISTING ASPHALT AND STONE BASE INSIDE PROPOSED ISLANDS. TOPSOIL SHALL BE PLACED IN THESE AREAS TO A DEPTH OF 12" MINIMUM OR AS SPECIFIED BY LANDSCAPING PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, REMOVING AND REPLACING ANY IRRIGATION LINES, SPRINKLER HEADS, VALVES ETC. LOCATED WITHIN THE CONSTRUCTION AREA DIRECTLY AFFECTED BY THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXISTENCE OF ALL UNDERGROUND UTILITIES. LOCATION OF UTILITIES ON THE PLANS, WHETHER FULLY AND CORRECTLY LOCATED OR PARTIALLY OR INCORRECTLY LOCATED OR OMITTED WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OR LIABILITY FOR DAMAGE TO THE UTILITIES. THE CONTRACTOR MUST FULLY COMPLY WITH THE SOUTH CAROLINA UNDERGROUND UTILITIES DAMAGE PREVENTION ACT, GENERAL STATUTES 58-35, SECTIONS 20 THROUGH 120. UTILITIES TO BE LOCATED BY THE CONTRACTOR SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
- ALL EXISTING MANHOLES, JUNCTION BOXES, CATCH BASINS, GATE VALVE BOXES, CLEANOUTS, ETC LOCATED IN THE CONSTRUCTION AREA SHALL BE ADJUSTED UP OR DOWN ACCORDINGLY BASED ON THE NEW FINISHED GRADE BY THE CONTRACTOR PRIOR TO PAVING OR LANDSCAPING.
- INFORMATION DEPICTED ON THIS SHEET HAS BEEN COMPILED FROM AS-BUILTS, CONSTRUCTION DRAWINGS, ON-SITE FIELD INVESTIGATIONS, ACTUAL SURVEYS AND FROM INFORMATION PROVIDED BY OTHER CONSULTANTS. THE ACCURACY OF THE SITE & INFRASTRUCTURE AS SHOWN CANNOT BE CONSIDERED COMPLETELY RELIABLE EXCEPT FOR ITEMS ACTUALLY SURVEYED BY THIS OFFICE. ALL OTHER INFORMATION IS SHOWN TO ASSIST THE DESIGNERS OF THE PROPOSED BUILDING AND INFRASTRUCTURE. ITEMS CRITICAL TO THE PROPOSED DESIGN SHOULD BE FIELD VERIFIED FOR RELIABILITY BY THE DESIGNER AND/OR CONTRACTOR.
- CONTRACTOR SHALL DISCONNECT IRRIGATION PIPING WHEN NECESSARY, BUT SHALL KEEP REMAINING IRRIGATION SYSTEM IN OPERATION AND SHALL BE COORDINATED WITH OWNER.
- THE PROPOSED BUILDING IS SHOWN FOR COORDINATION PURPOSES.
- CONTRACTOR TO COORDINATE REMOVAL OF EXISTING OVERHEAD POWER LINES AND POLES WITH THE LOCAL POWER COMPANY.
- EXISTING POLE TO BE REMOVED. CITY TO REMOVE POLE AND PROVIDE NEW ELECTRIC SERVICE. CONTRACTOR COORDINATE WITH CITY OF GEORGETOWN ELECTRIC DEPARTMENT



DEMOLITION LEGEND:

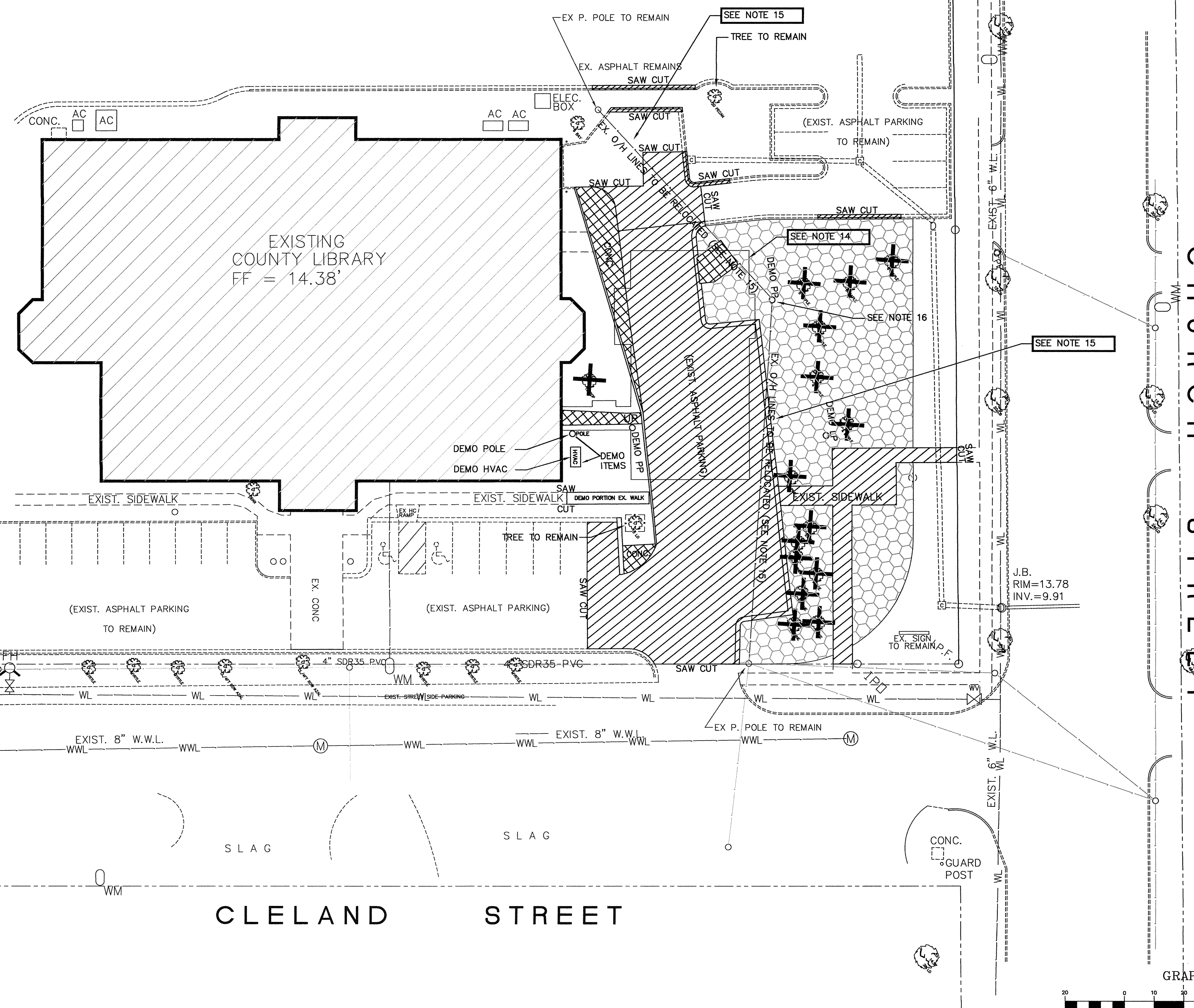
-  EXISTING CONCRETE CURBING TO BE DEMOLISHED
-  EXISTING CONCRETE SIDEWALK & SLABS TO BE DEMOLISHED
-  EXISTING ASPHALT PARKING TO BE DEMOLISHED (BASE MATERIAL TO REMAIN)
-  AREA FOR CLEARING AND GRUBBING. REMOVE EXISTING P. POLES, LIGHT POLES

TREE PROTECTION NOTES:

- CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND PRESERVING EXISTING TREES DESIGNATED TO REMAIN.
- CONTRACTOR TO PROVIDE AND INSTALL TREE PROTECTIVE BARRIERS WHERE INDICATED TO PROTECT EXISTING TREES.
- CONTRACTOR SHALL COMPLY WITH THE LOCAL TREE REGULATIONS.
- ALL TREE PROTECTION MEASURES TO BE INSTALLED PRIOR TO ANY LAND DISTURBANCE.

TREE LEGEND:

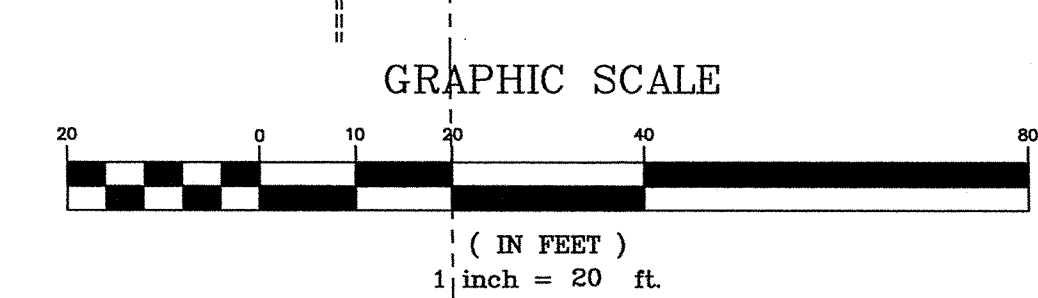
-  EXISTING TREE TO BE REMOVED
-  EXISTING TREE TO HAVE TREE PROTECTION (WOOD BARRIER)



CHURCH STREET

CLELAND STREET

DUKE STREET



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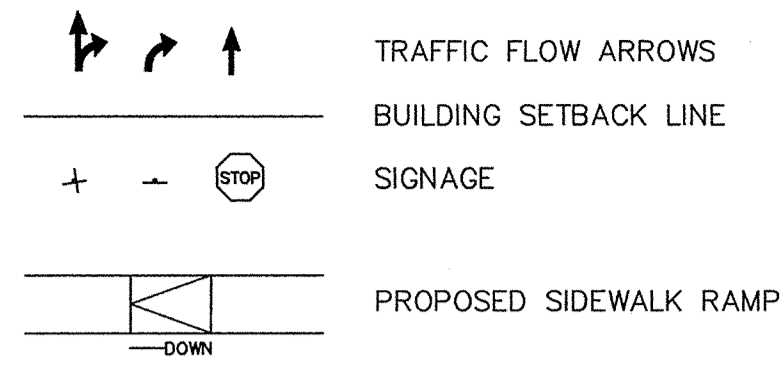
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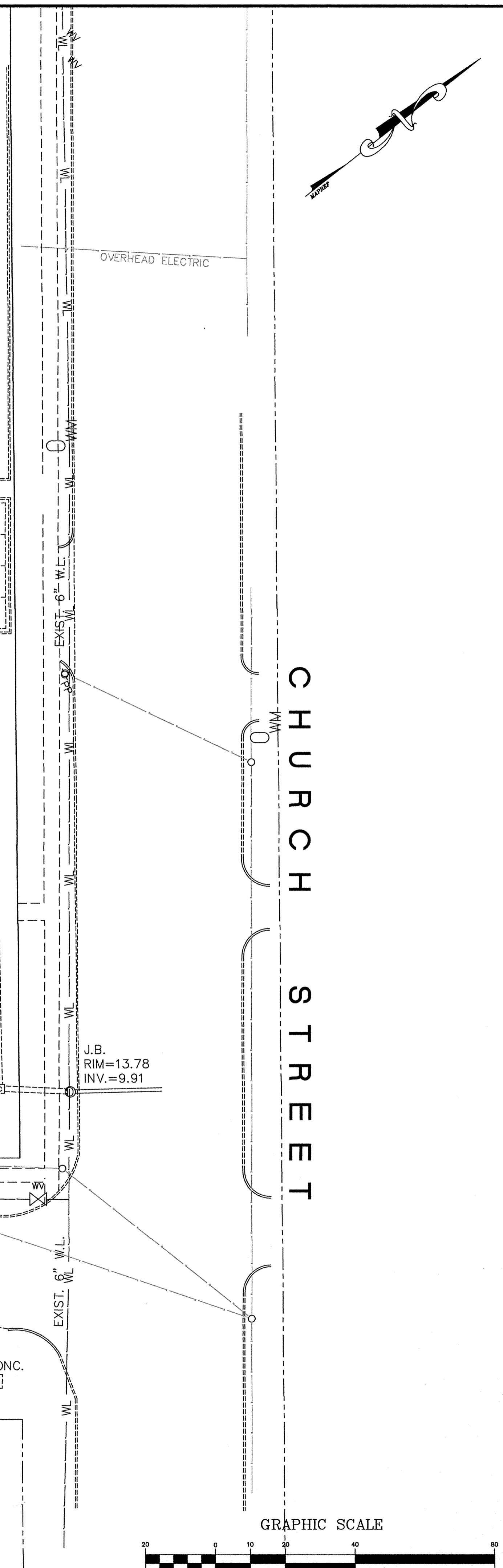
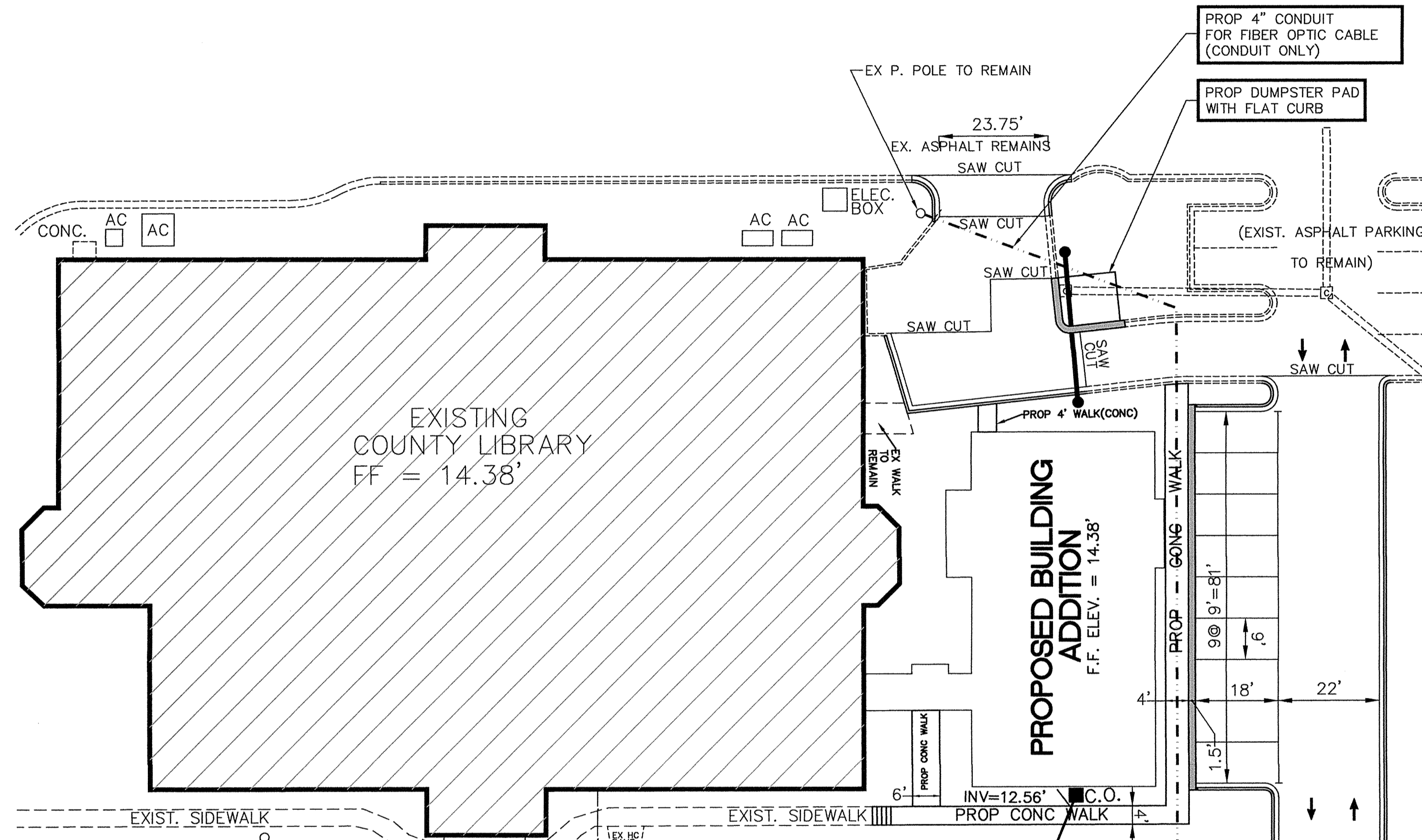
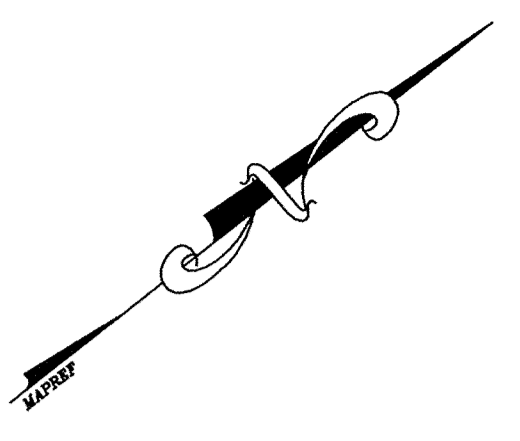
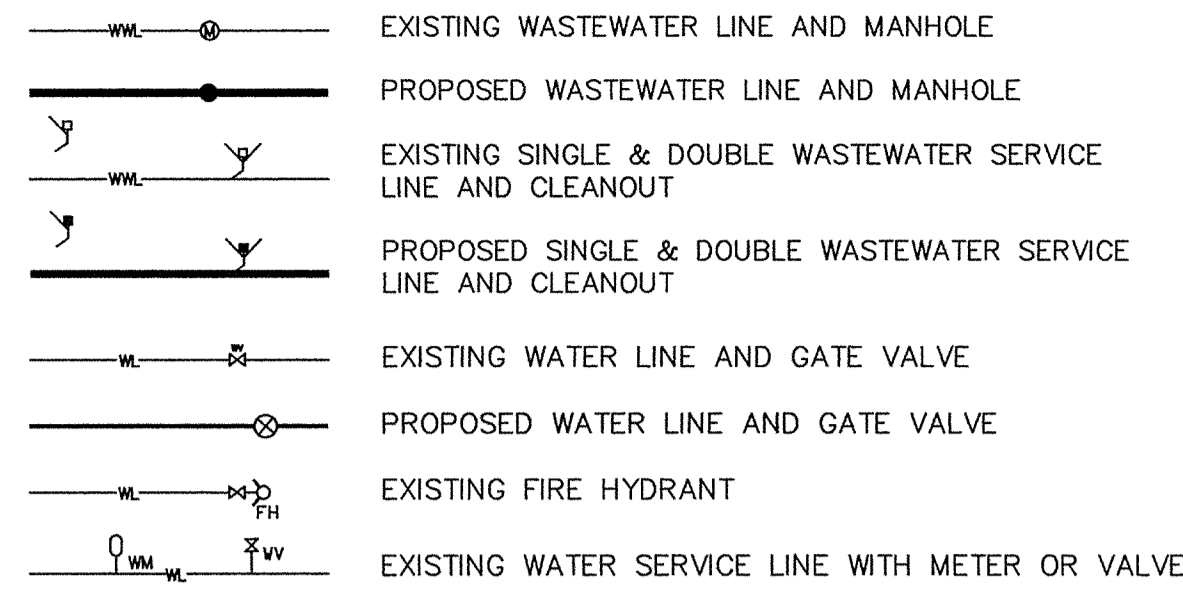
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| DEMOLITION PLAN | CHECKED BY: TPB | SHEET OF: C04 |
| DRAWN BY: TB | SCALE: 1" = 20' | |
| JOB NO.: 2022001 | | |

SITE LEGEND:



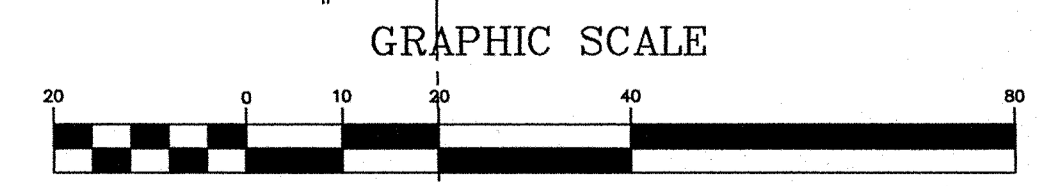
UTILITY LEGEND:



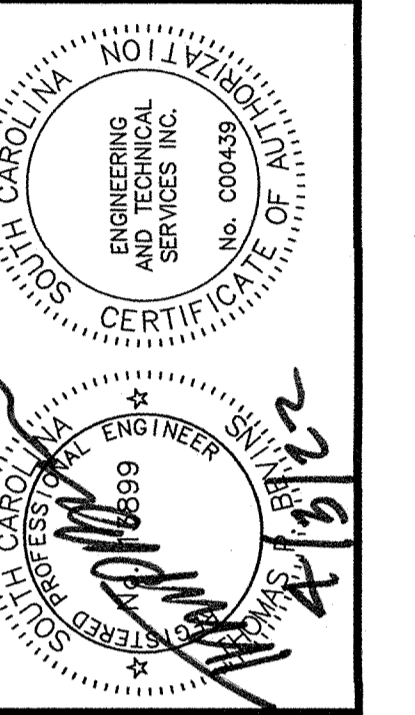
DUKE

CLELAND STREET

CHURCH STREET



| NO. | DATE | REVISIONS |
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| | | |
|-----------------|-------------|----------|
| SHEET 9 OF 9 | DRAWN BY: | TPB |
| | CHECKED BY: | TPB |
| JOB NO. 2020001 | SCALE: | 1" = 20' |
| | | |
| SHEET 9 OF 9 | | |

8/16/2020 10:58:55 AM: 4052022 153174 PTL, Sca, TP Buser/TPB/EJB/RLK/az

PIPE KEY

- RCP REINFORCED CONCRETE PIPE
- HDPE HIGH DENSITY POLYETHYLENE
- HDPE-P HIGH DENSITY POLYETHYLENE (PERFORATED)

STORMWATER NOTES:

1. HDPE-P PIPE TO BE ADS HDPE N-12 PERFORATED DUAL WALL PIPE (OR APPROVED EQUAL).
2. HDPE-P PIPE TO BE BEDDED AS PER EXFILTRATION BED NO. 1 DETAIL.
3. CB-1 AND CB-2 TO BE 48" X 48" PRECAST STRUCTURES.
4. ALL DISTURBED AREAS TO RECEIVE GRASS OR LANDSCAPING.
5. PROPOSED PAVEMENT TO TIE TO EXISTING PAVEMENT. ALL SURFACES FLUSH. ALL SURFACES FLUSH.
6. TRANSITION BETWEEN EX. CONCRETE WALK AND NEW CONCRETE WALK. PROVIDE CONCRETE RAMP WITH TEXTURED SURFACE (MEETS ADA REQUIREMENTS). CONTRACTOR TO CONVERT EX. CURB INLET CATCH BASIN (EX CB B) TO DROP INLET CATCH BASIN (TYPE F). NEW GRATE ELEVATION=12.4'

STORM LEGEND:

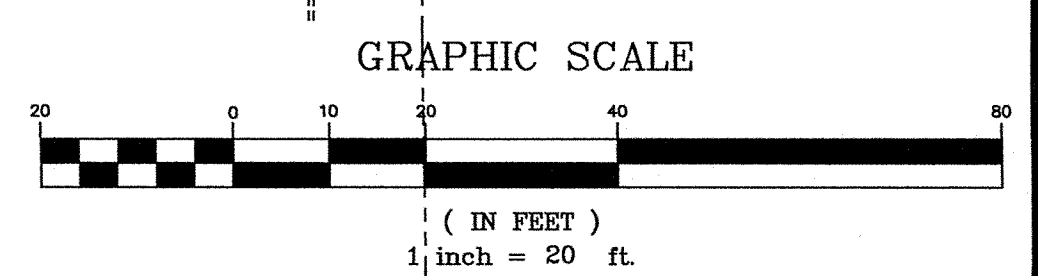
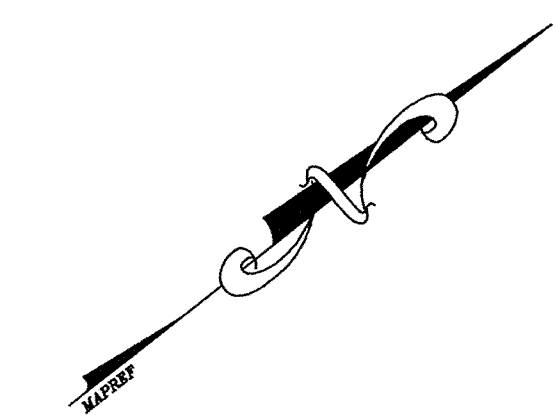
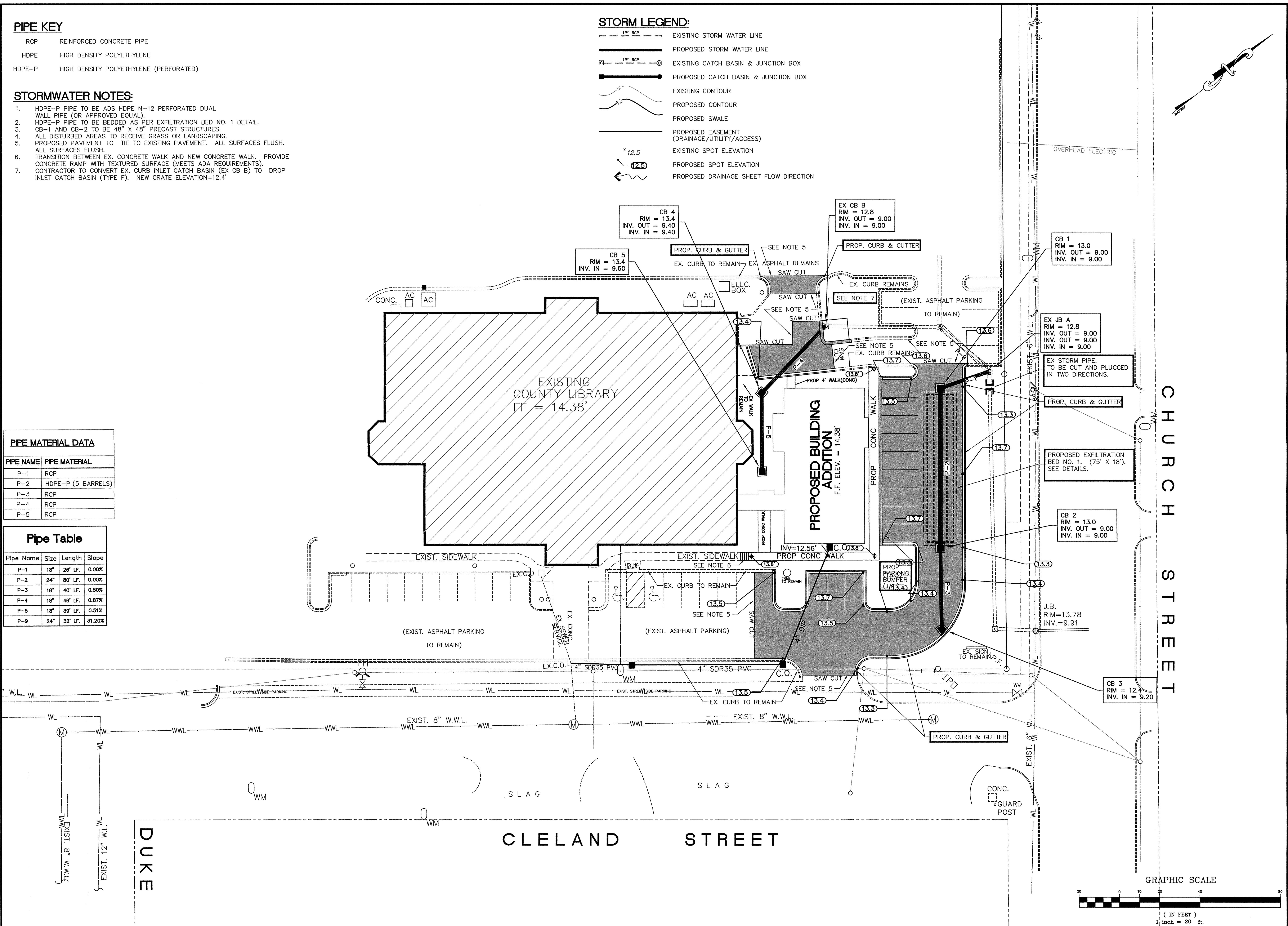
- EXISTING STORM WATER LINE
- PROPOSED STORM WATER LINE
- EXISTING CATCH BASIN & JUNCTION BOX
- PROPOSED CATCH BASIN & JUNCTION BOX
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SWALE
- PROPOSED EASEMENT (DRAINAGE/UTILITY/ACCESS)
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED DRAINAGE SHEET FLOW DIRECTION

PIPE MATERIAL DATA

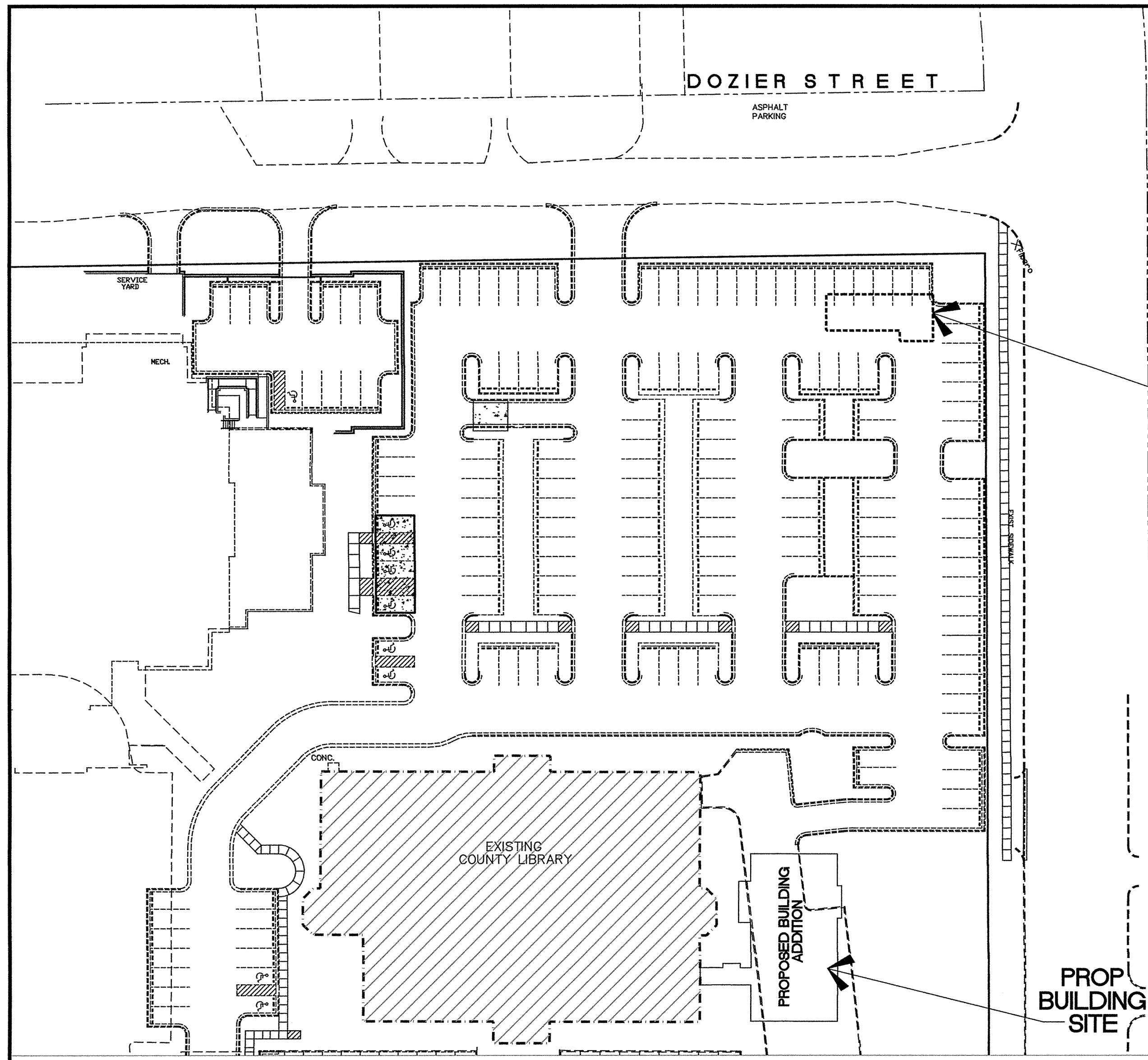
| PIPE NAME | PIPE MATERIAL |
|-----------|--------------------|
| P-1 | RCP |
| P-2 | HDPE-P (5 BARRELS) |
| P-3 | RCP |
| P-4 | RCP |
| P-5 | RCP |

Pipe Table

| Pipe Name | Size | Length | Slope |
|-----------|------|---------|--------|
| P-1 | 18" | 26' LF. | 0.00% |
| P-2 | 24" | 80' LF. | 0.00% |
| P-3 | 18" | 40' LF. | 0.50% |
| P-4 | 18" | 46' LF. | 0.87% |
| P-5 | 18" | 39' LF. | 0.51% |
| P-9 | 24" | 32' LF. | 31.20% |

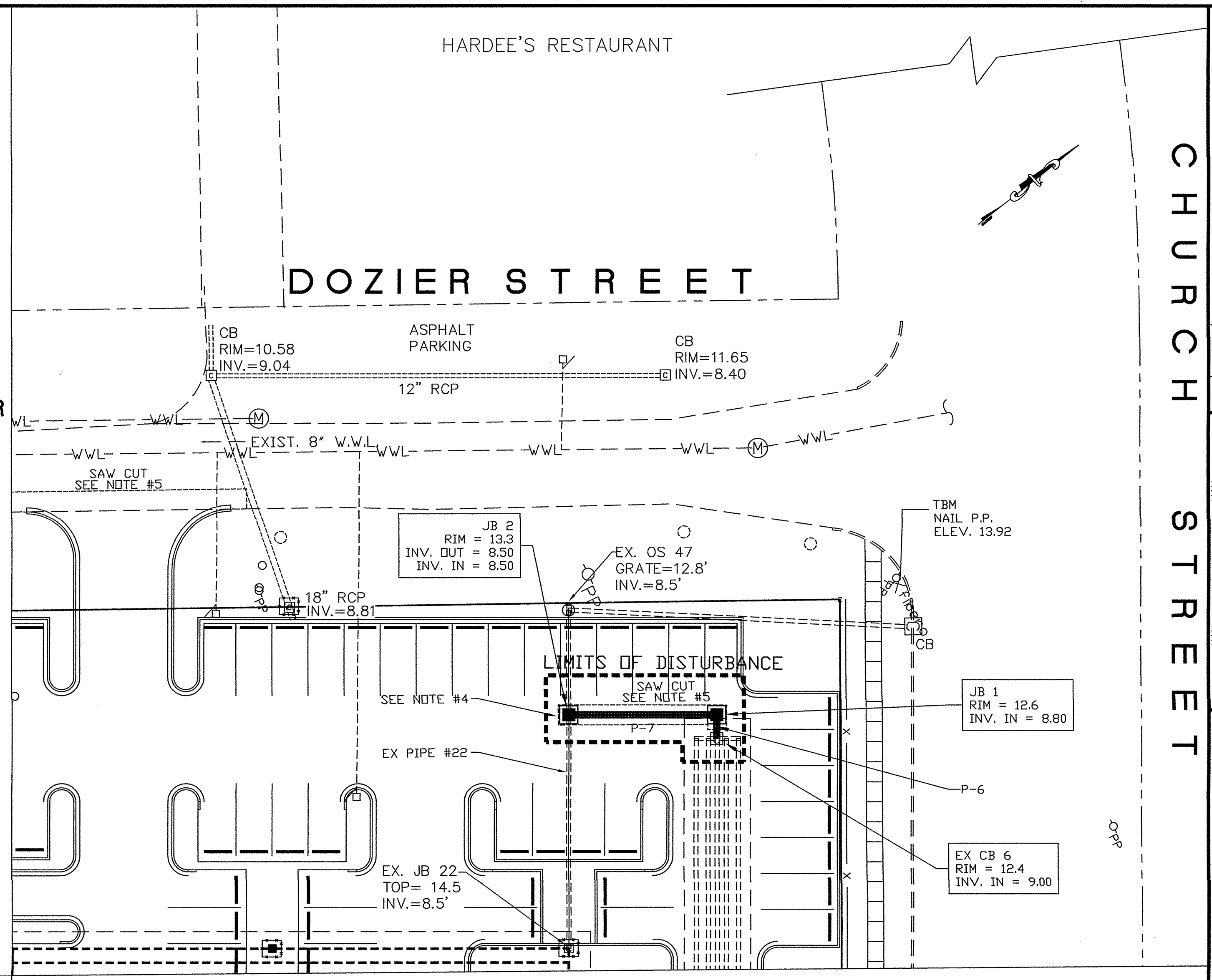


| <p>DRAINAGE PLAN</p> <p>DRAWN BY: TB CHECKED BY: TPB</p> <p>JOB NO. 2020001 SCALE: 1" = 20' SHEET OF C06 9</p> <p style="font-size: small;">S:\Engineering\Projects\2020\2020001\BASE\DWG\PLAN_4\2020201.DWG IP: P:\Users\T\Documents\2020\2020001\DWG\PLAN_4\2020201.DWG</p> | <p style="text-align: center;">GEORGETOWN COUNTY LIBRARY HEADQUARTERS</p> <p style="text-align: center; font-size: small;">GEORGETOWN, GEORGETOWN COUNTY, SOUTH CAROLINA</p> | | | | | | |
|---|---|-------------|-------------|--|--|--|--|
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| <p style="font-size: x-small;">REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | NO. | DATE | DESCRIPTION | | | | <p style="font-size: x-small;">MARK DATE</p> |
| NO. | DATE | DESCRIPTION | | | | | |
| | | | | | | | |



SITE LOCATION MAP
SCALE: 1" = 40'

LOCATION OF DRAINAGE WORK AND PAVEMENT REPAIR (SEE THIS SHEET)



DRAINAGE PLAN 2
SCALE: 1" = 20'

STORMWATER NOTES:

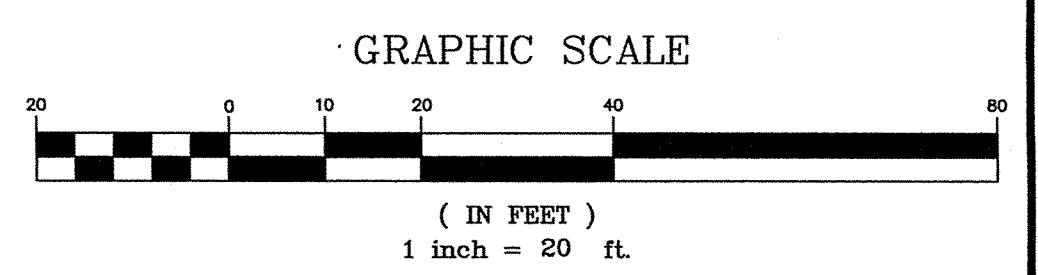
1. HDPE-P PIPE TO BE ADS HDPE N-12 PERFORATED DUAL WALL PIPE OR APPROVED EQUAL.
2. HDPE-P PIPE TO BE BEDDED AS PER EXFILTRATION BED NO. 1 DETAIL.
3. ALL DISTURBED AREAS TO RECEIVE GRASS OR LANDSCAPING, IF NOT PAVED OR BUILDING PAD.
4. INSTALL NEW JB# 2 ON EXISTING PIPE #22 (GEORGETOWN COUNTY JUDICIAL CENTER). CUT EXISTING PIPE #22 AND RE-CONNECT TO JB#2. PROVIDE SOIL TIGHT CONNECTIONS BETWEEN PIPES AND STRUCTURES.
5. SAW-CUT EXISTING PAVEMENT ALONG LINES OF PROPOSED TRENCH. INSTALL NEW STORM PIPES AND JUNCTION BOXES. BACKFILL TRENCH IN 6 INCH LIFTS AND COMPACT PER SPECIFICATIONS. PATCH ASPHALT PER DETAILS. RETURN PAVEMENT TO ORIGINAL SLOPE.

PIPE TABLE

| PIPE NAME | SIZE (IN) | LENGTH (FT) | SLOPE (%) | PIPE MATERIAL |
|-----------|-----------|-------------|-----------|---------------|
| P-6 | 18 | 8 | 2.5 | RCP |
| P-7 | 18 | 37 | .81 | RCP |
| | | | | |
| | | | | |

PIPE KEY

- RCP REINFORCED CONCRETE PIPE
- HDPE HIGH DENSITY POLYETHYLENE
- HDPE-P HIGH DENSITY POLYETHYLENE (PERFORATED)



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DRAINAGE PLAN 2

DRAWN BY: TB CHECKED BY: TPB SHEET OF: 9
JOB NO. 2025001 SCALE: 1" = 20' C07

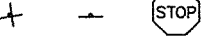
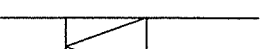



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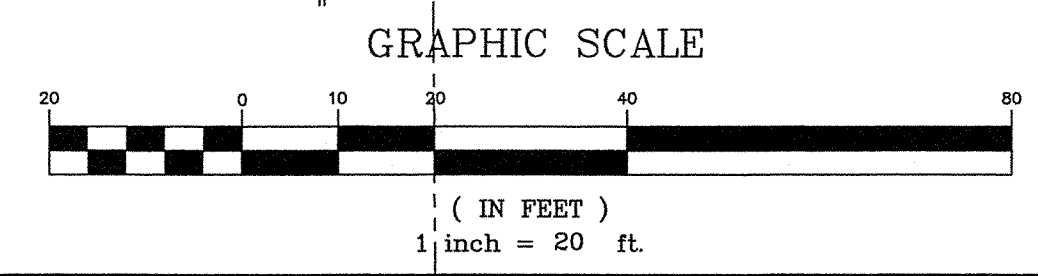
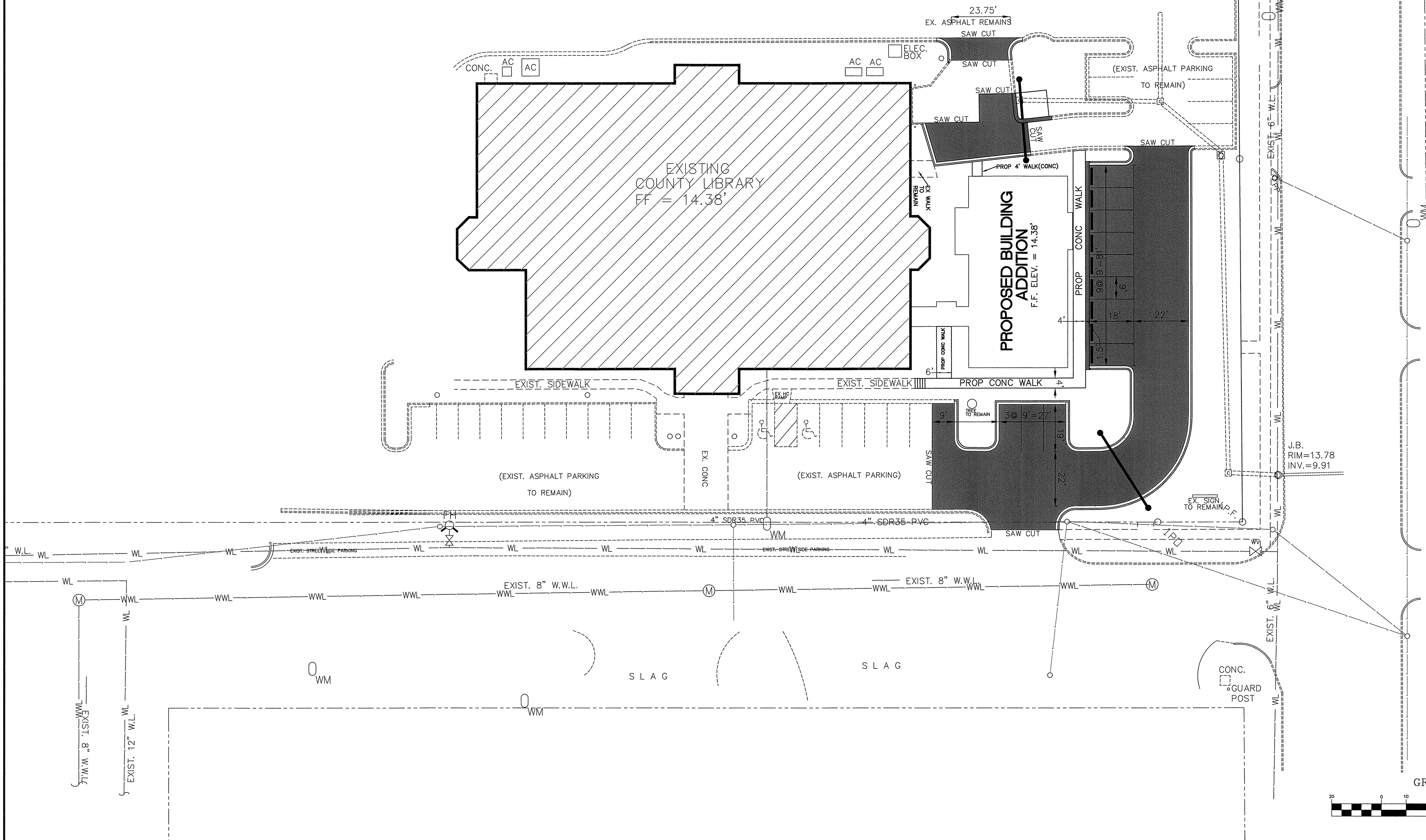
MARK DATE REVISIONS

NOTES:

1. RADII ARE MEASURED FROM EDGE OF PAVEMENT.
2. PARKING LOT DIMENSIONS ARE MEASURED FROM THE EDGE OF PAVEMENT.
3. CONTRACTOR TO SAW CUT EXISTING PAVEMENT. TIE PROPOSED PAVEMENT TO EXISTING PAVEMENT. DIRECT SURFACE WATER TO STORMWATER STRUCTURES.
4. PROVIDE PARKING LOT STRIPING PER SPECIFICATIONS.

LEGEND:

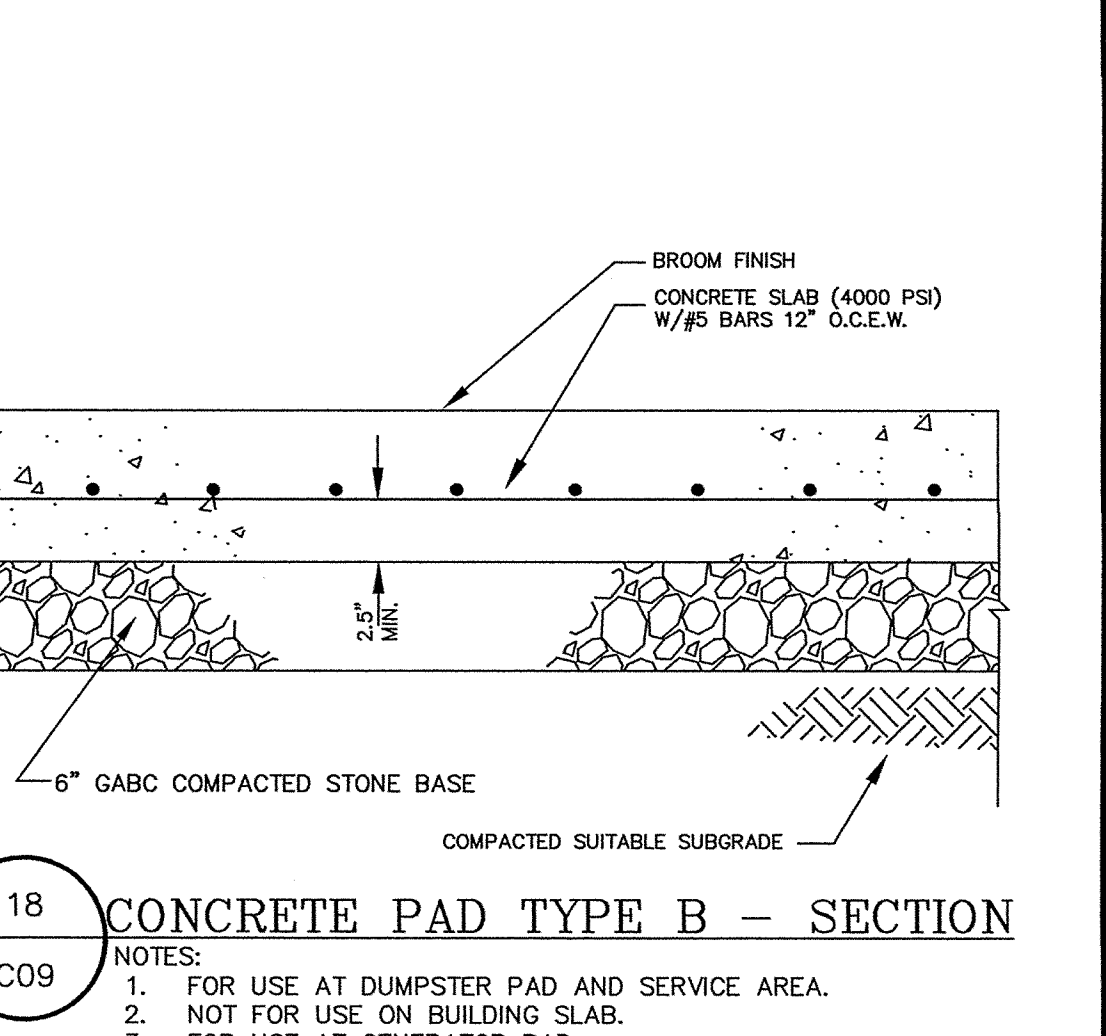
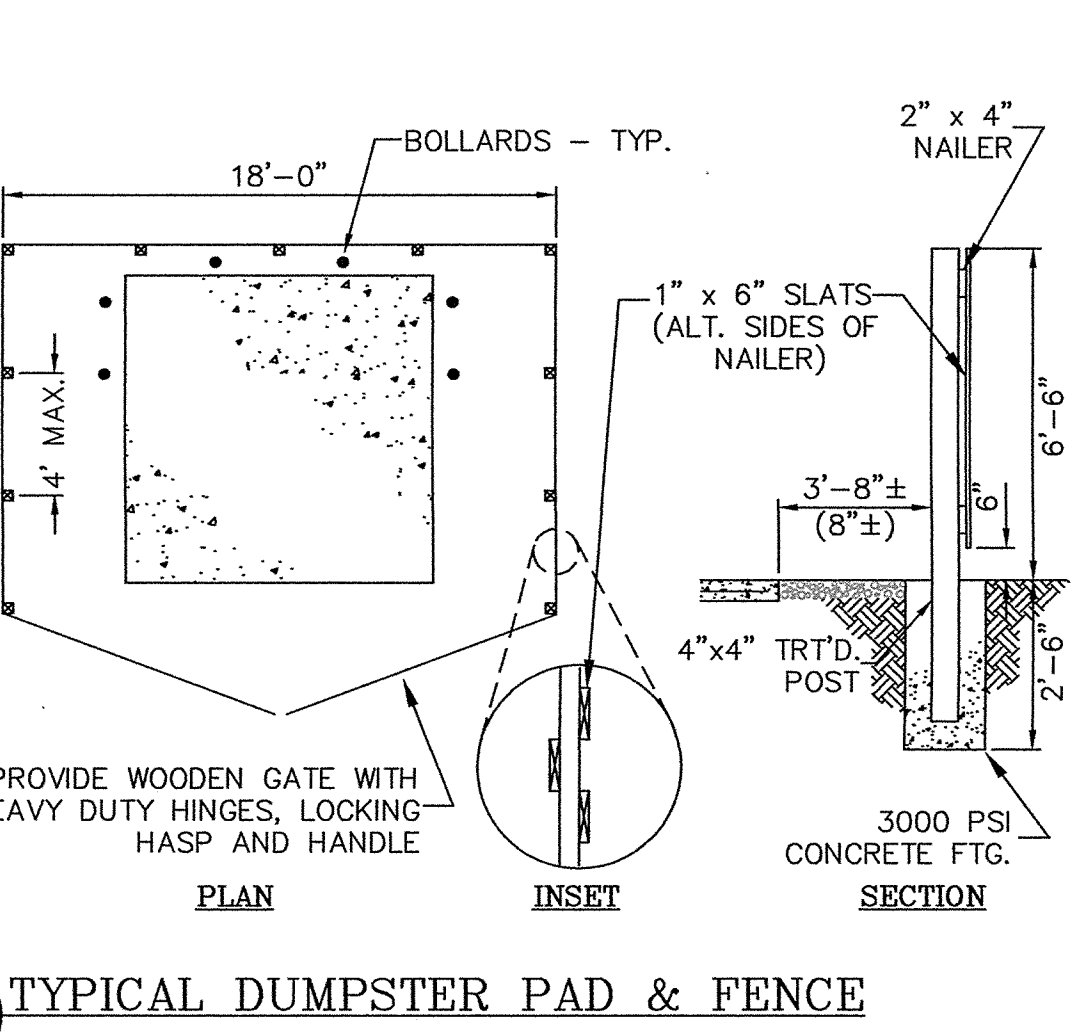
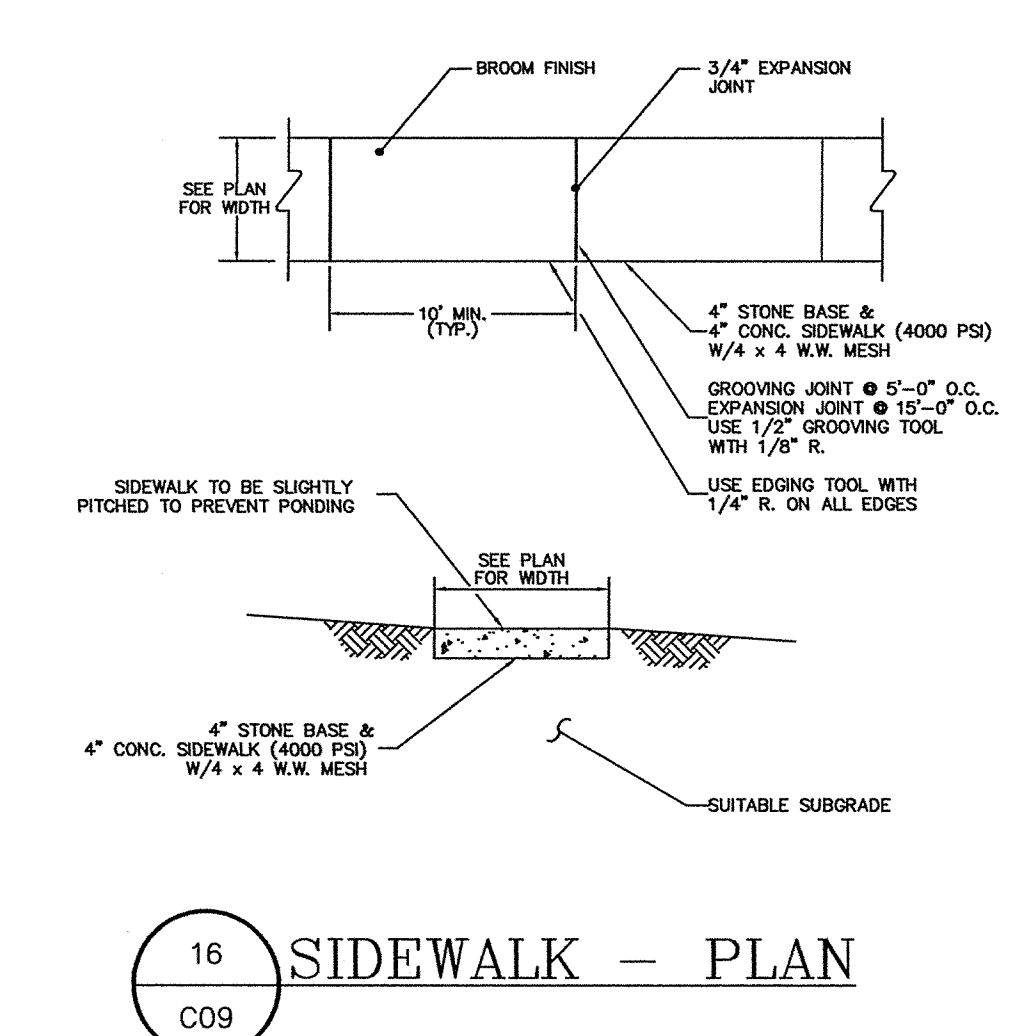
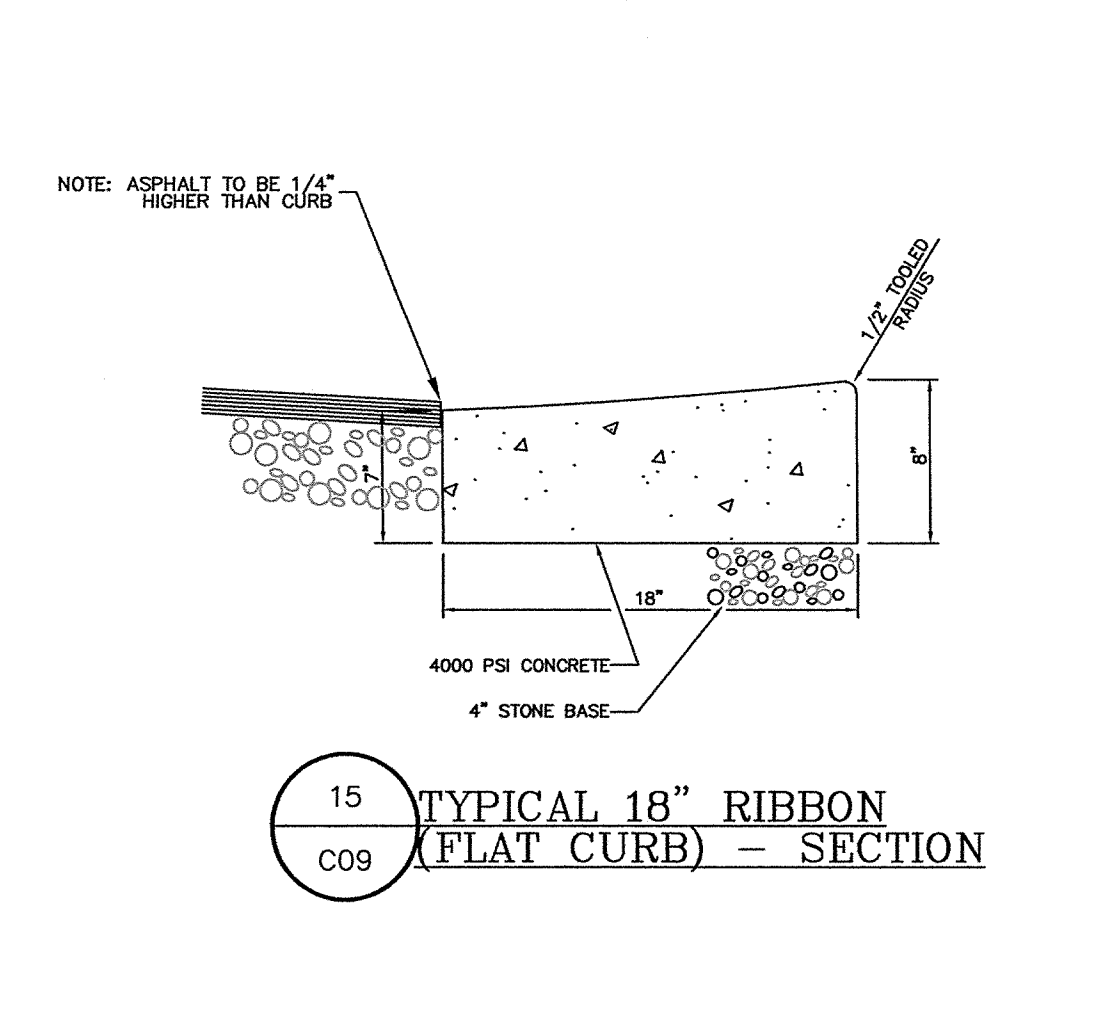
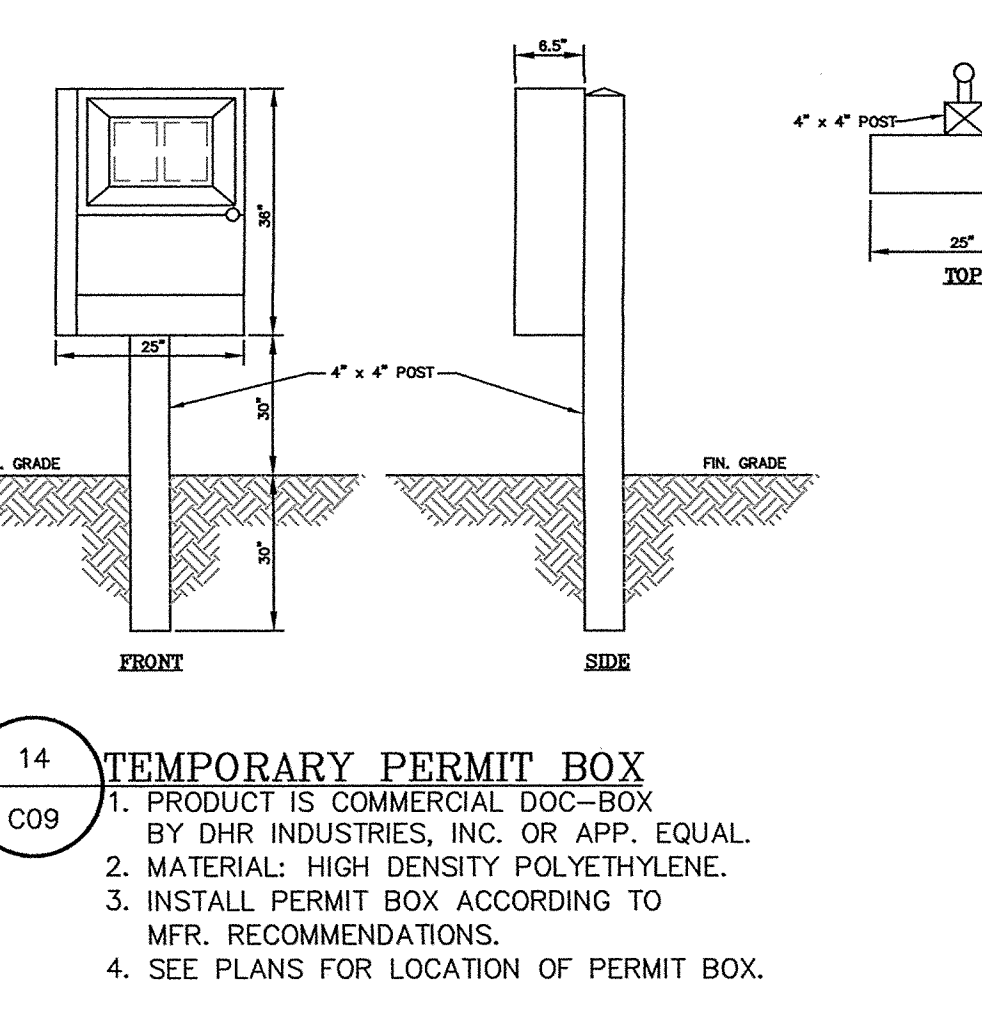
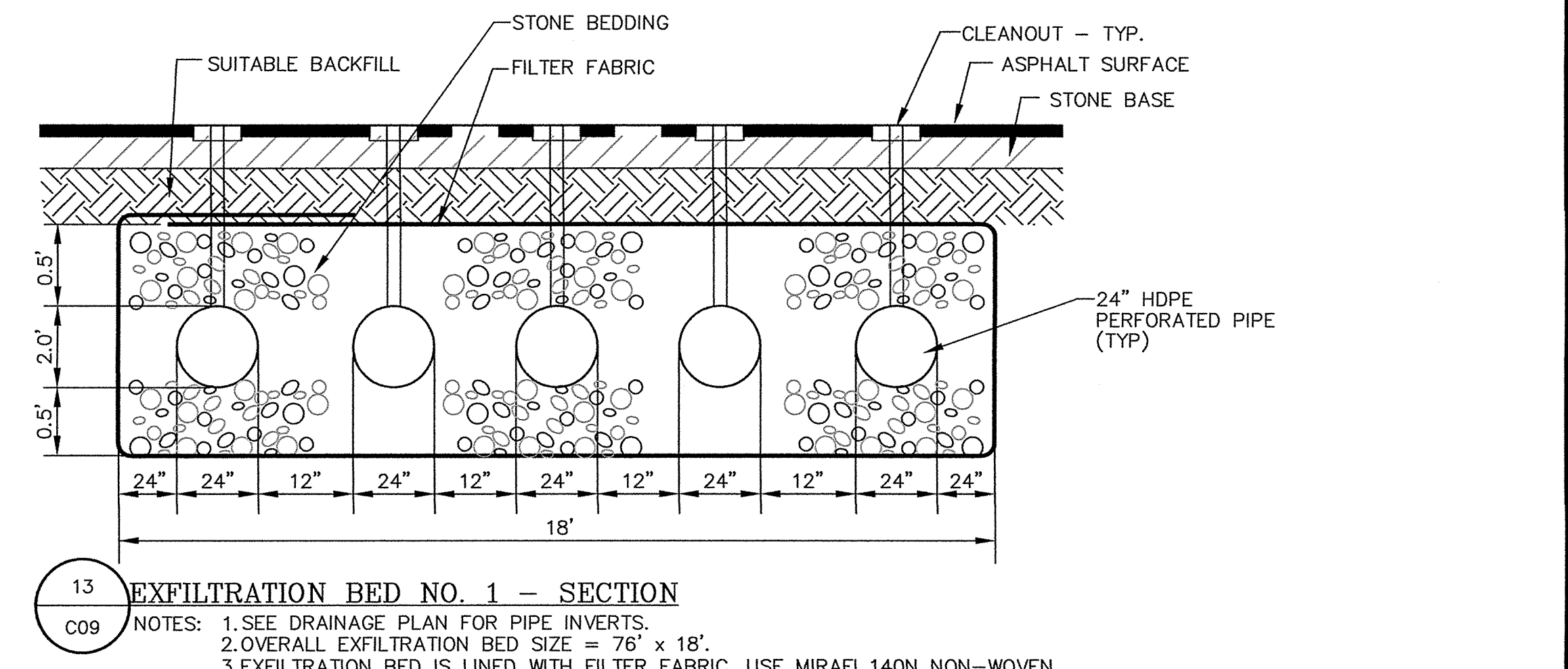
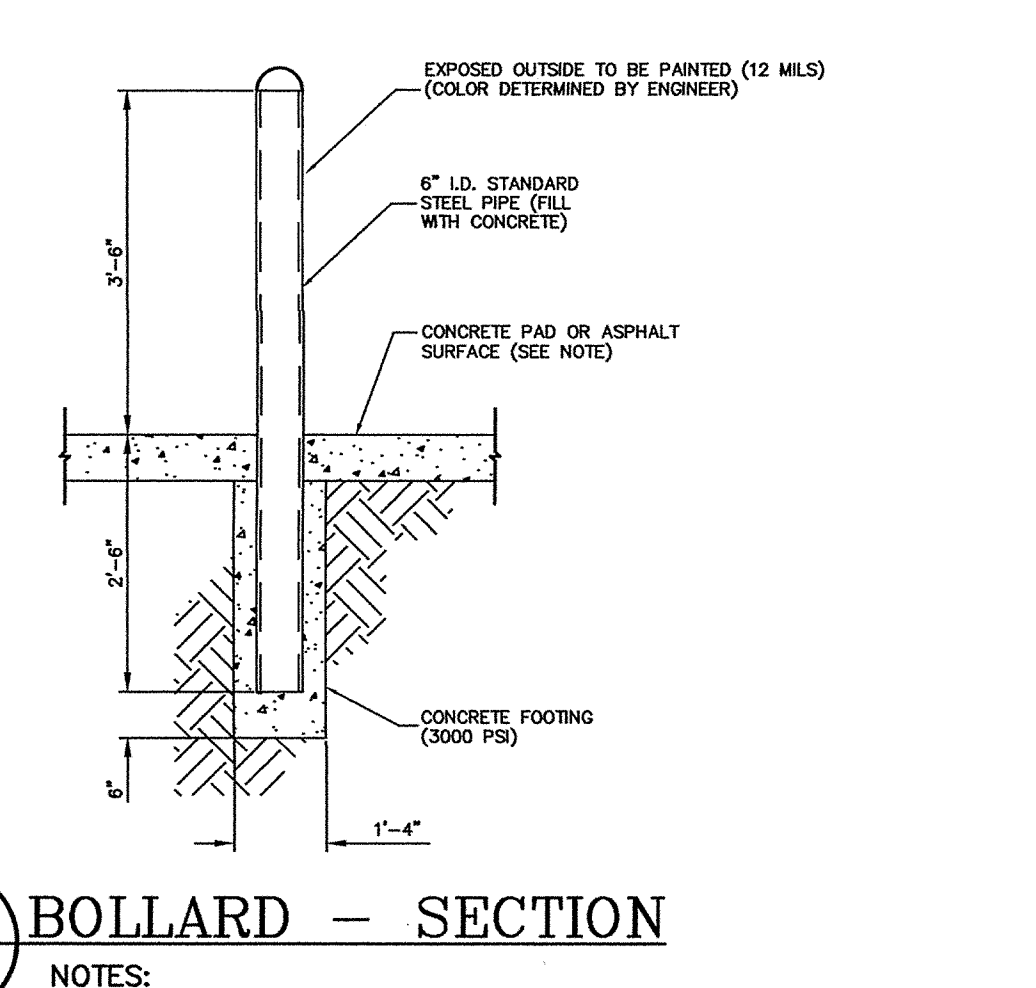
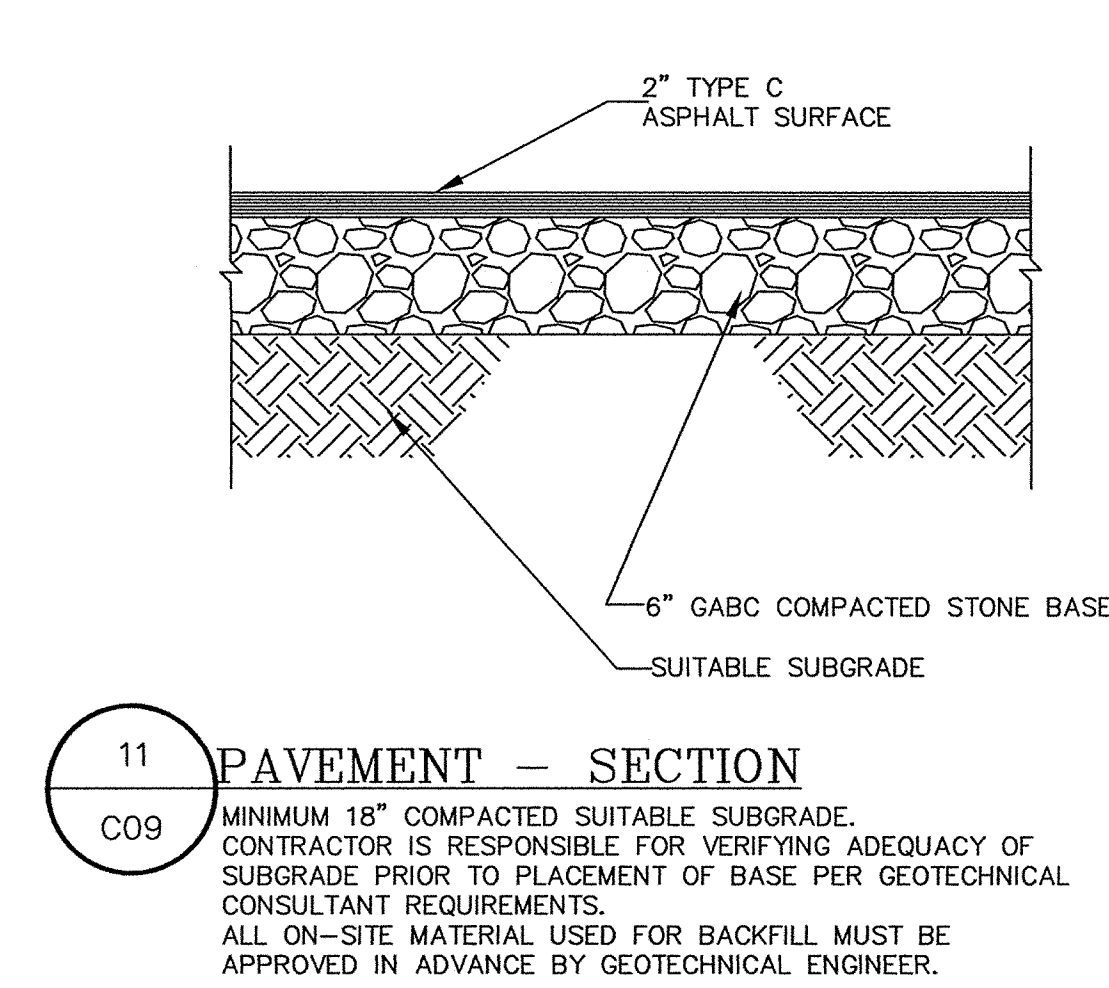
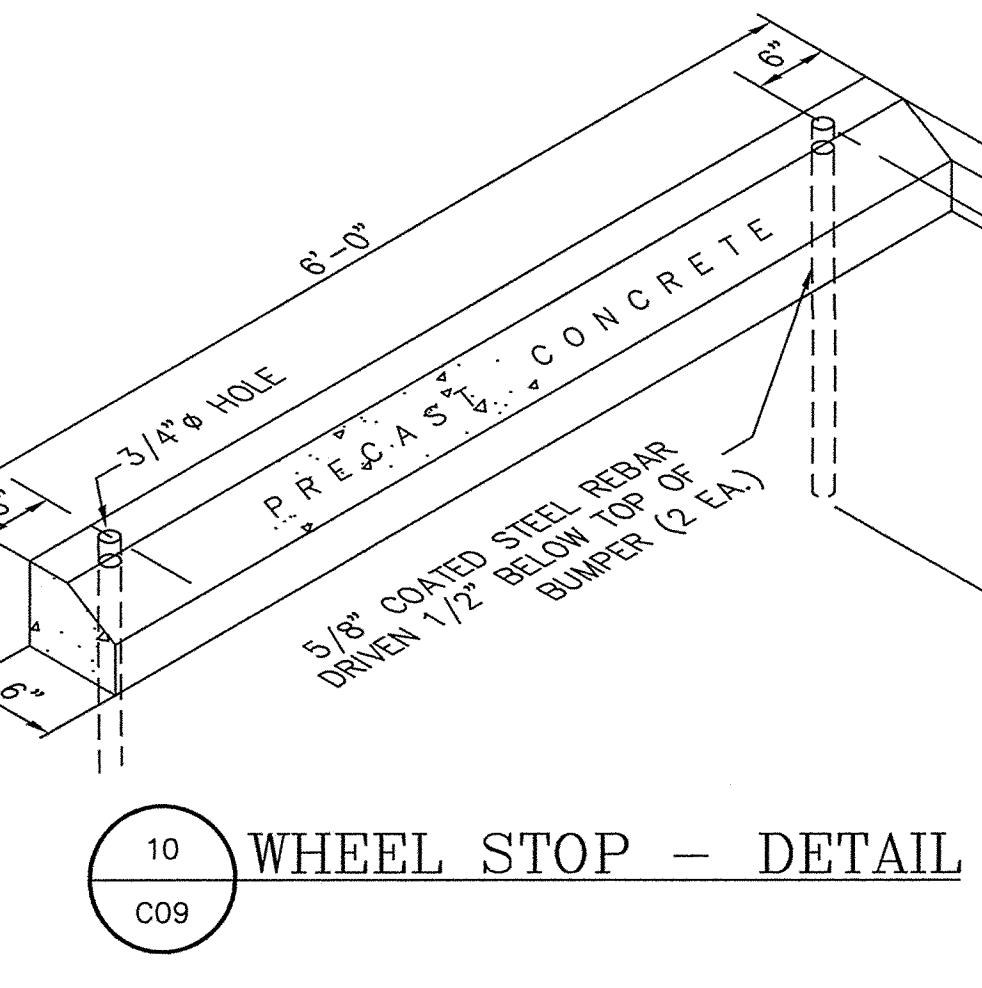
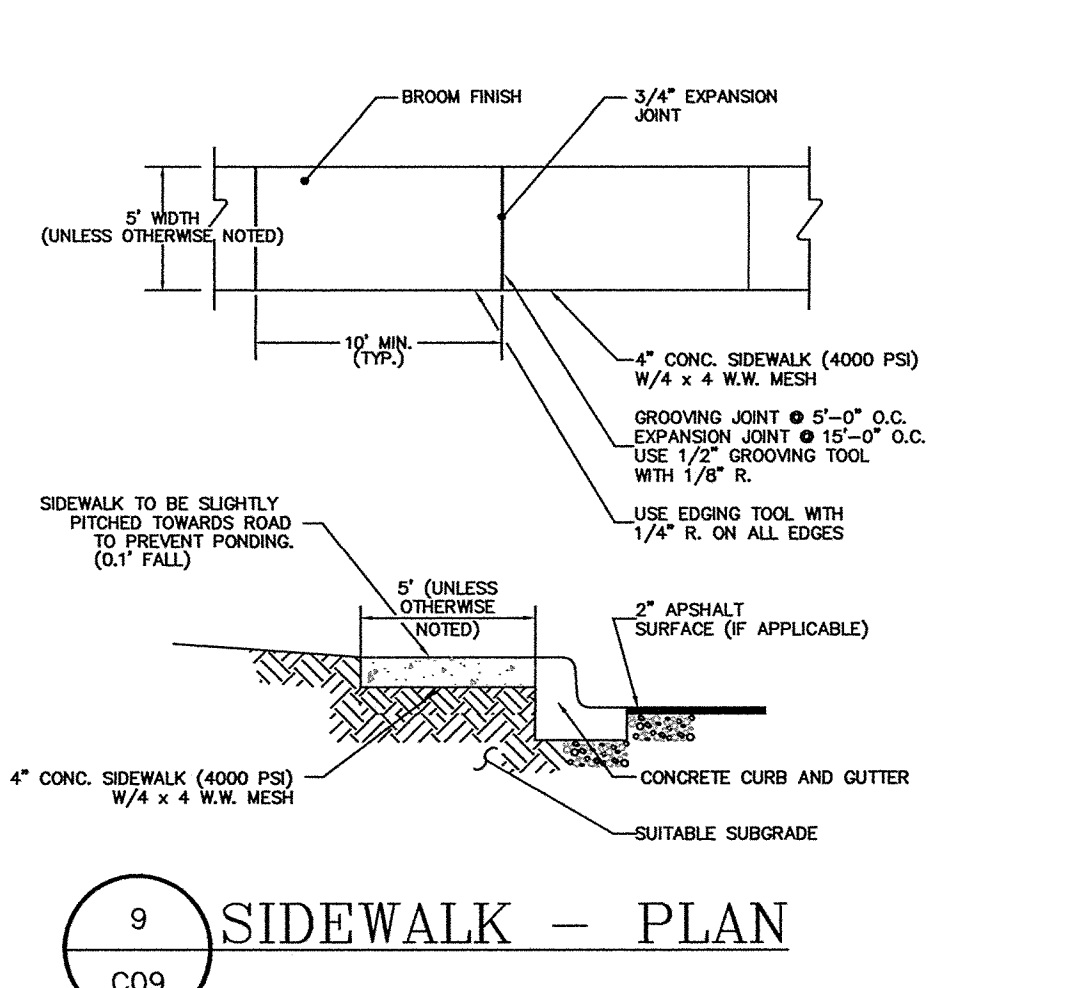
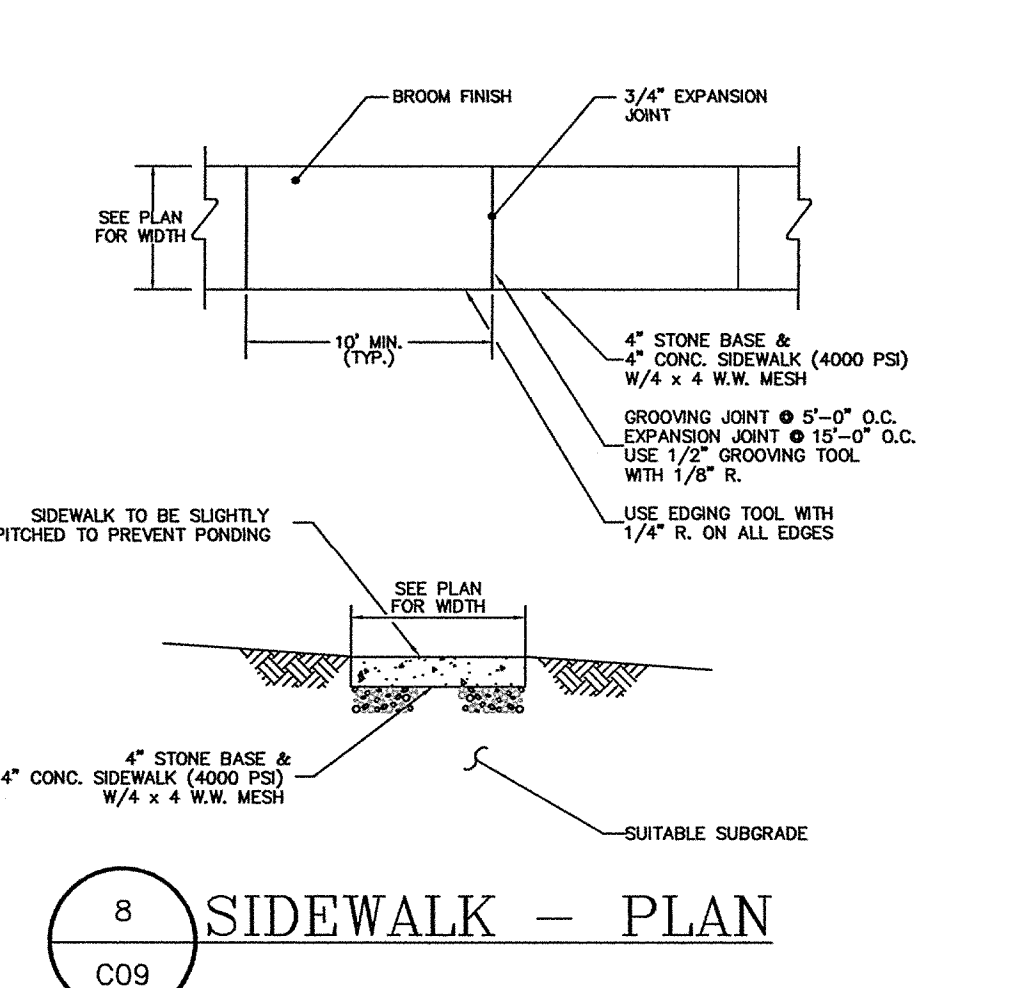
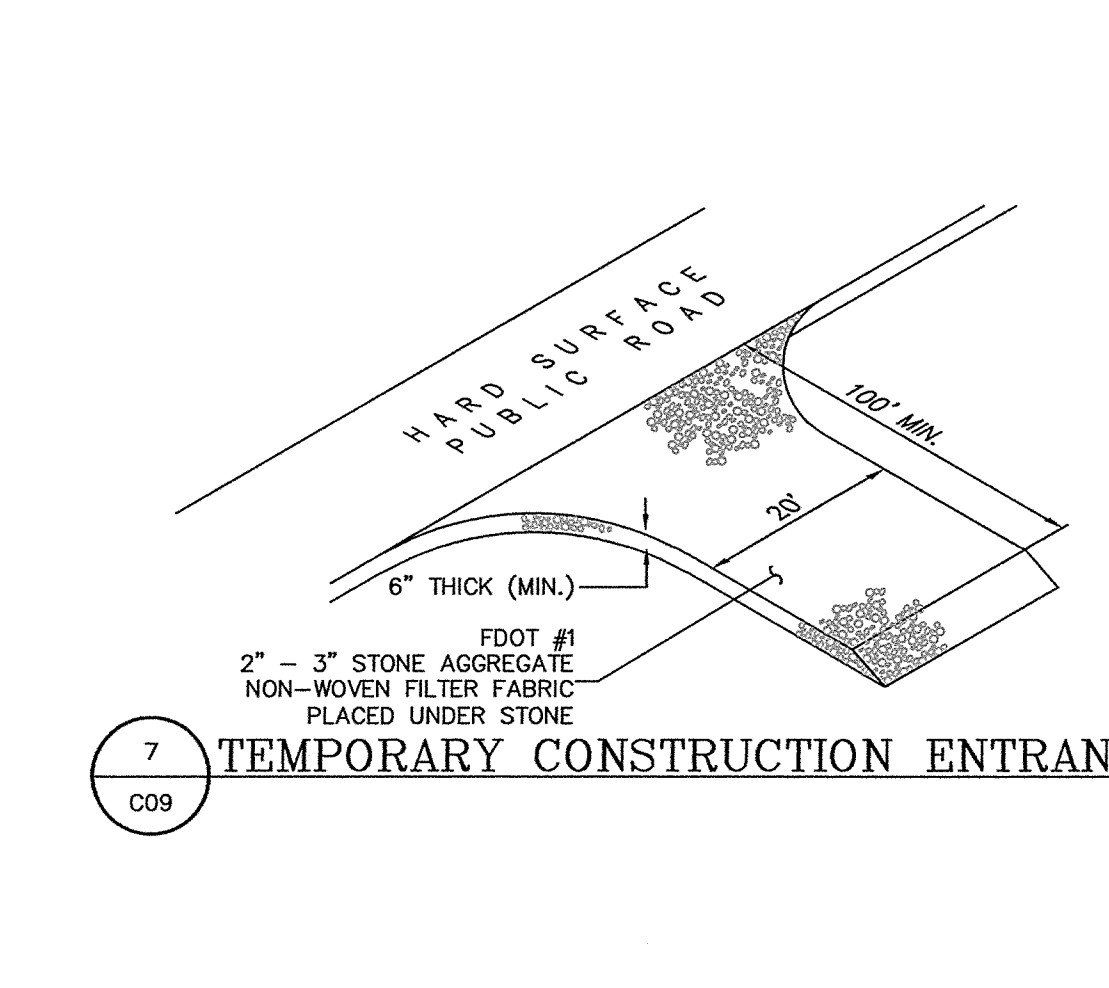
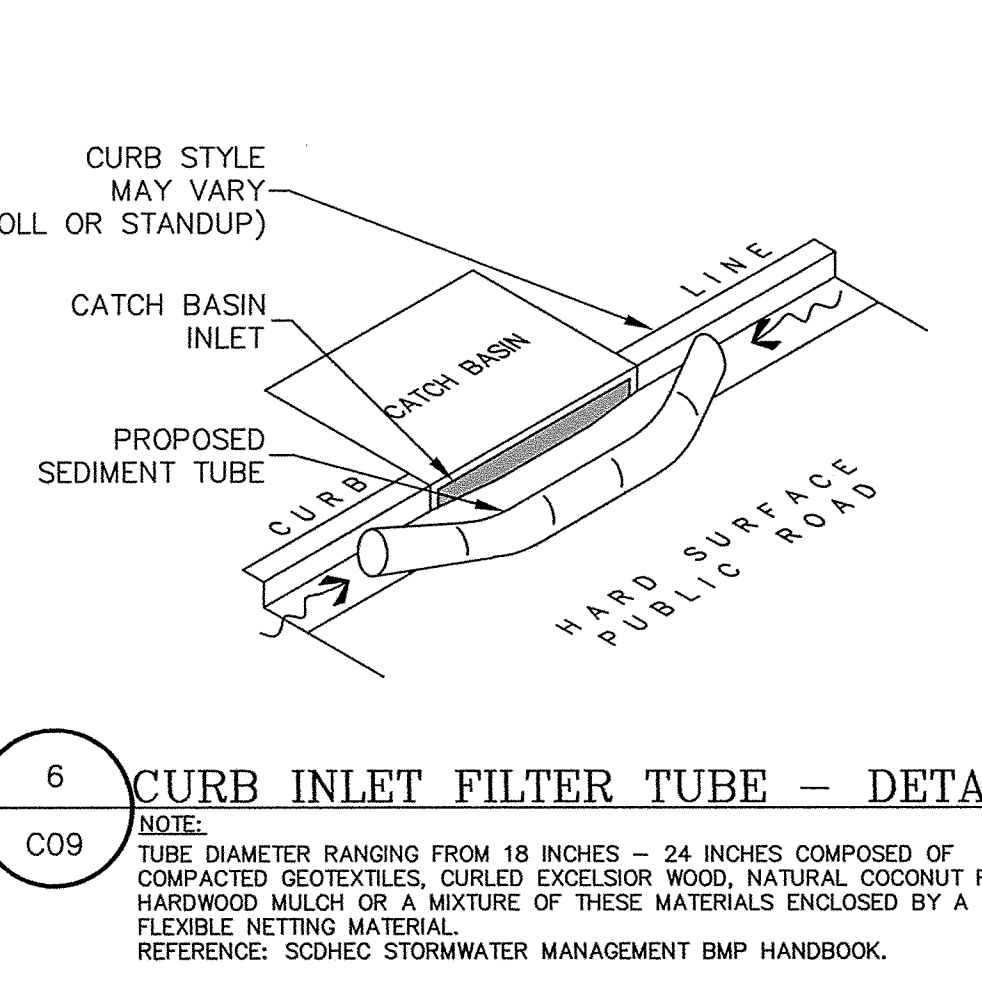
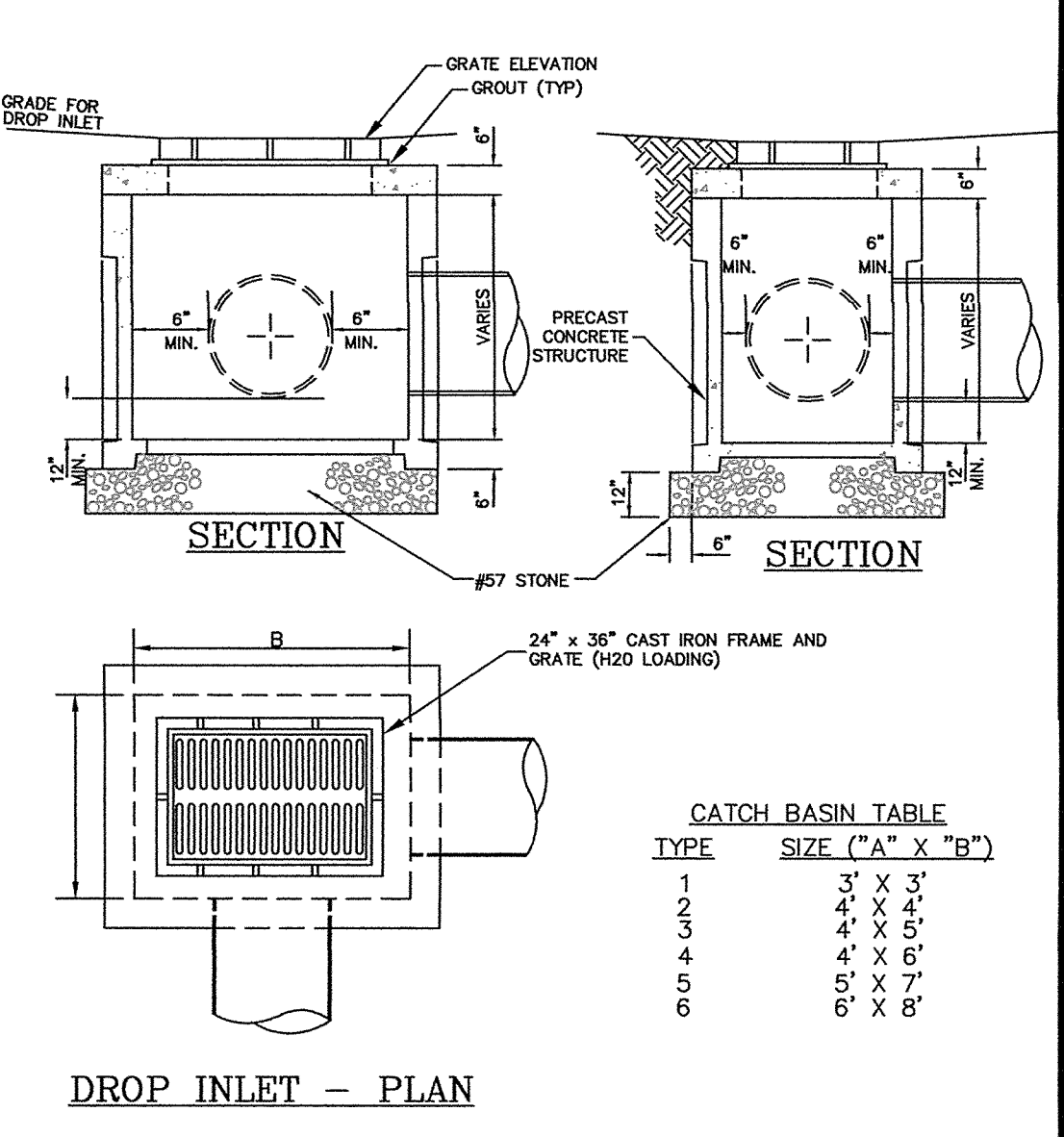
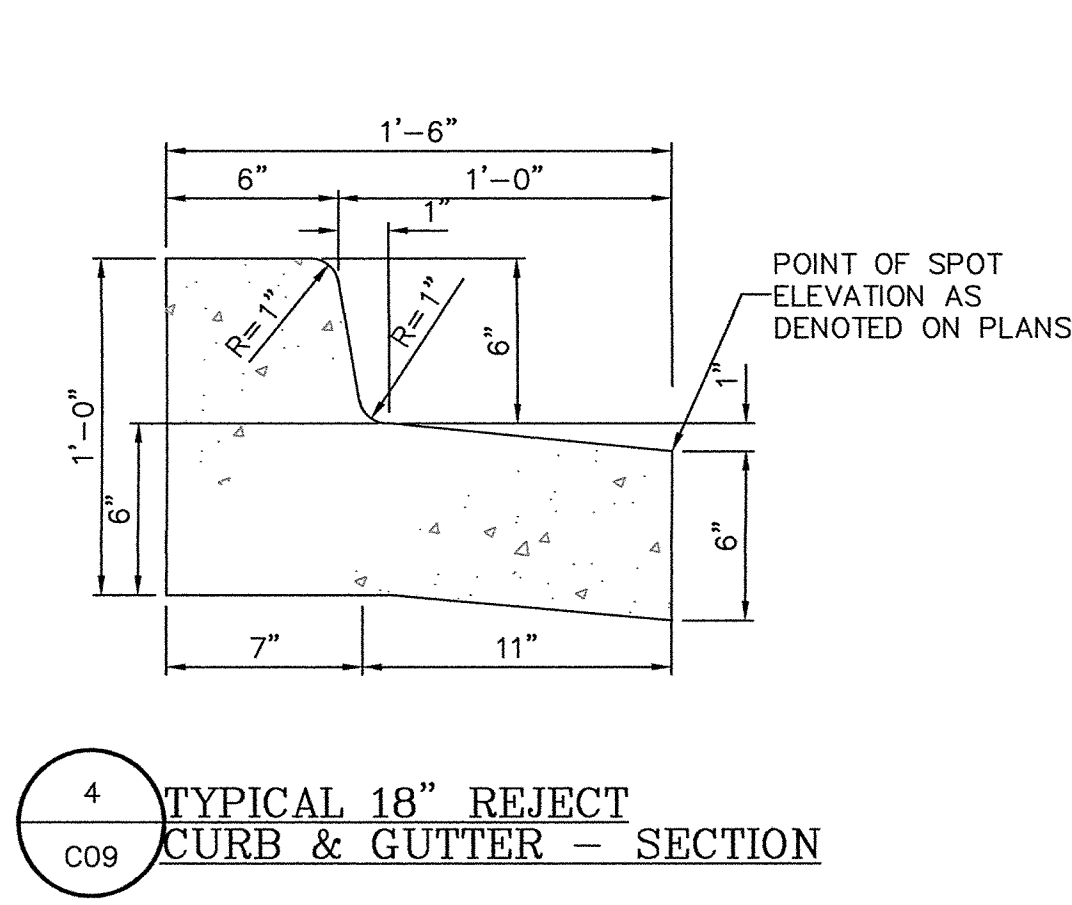
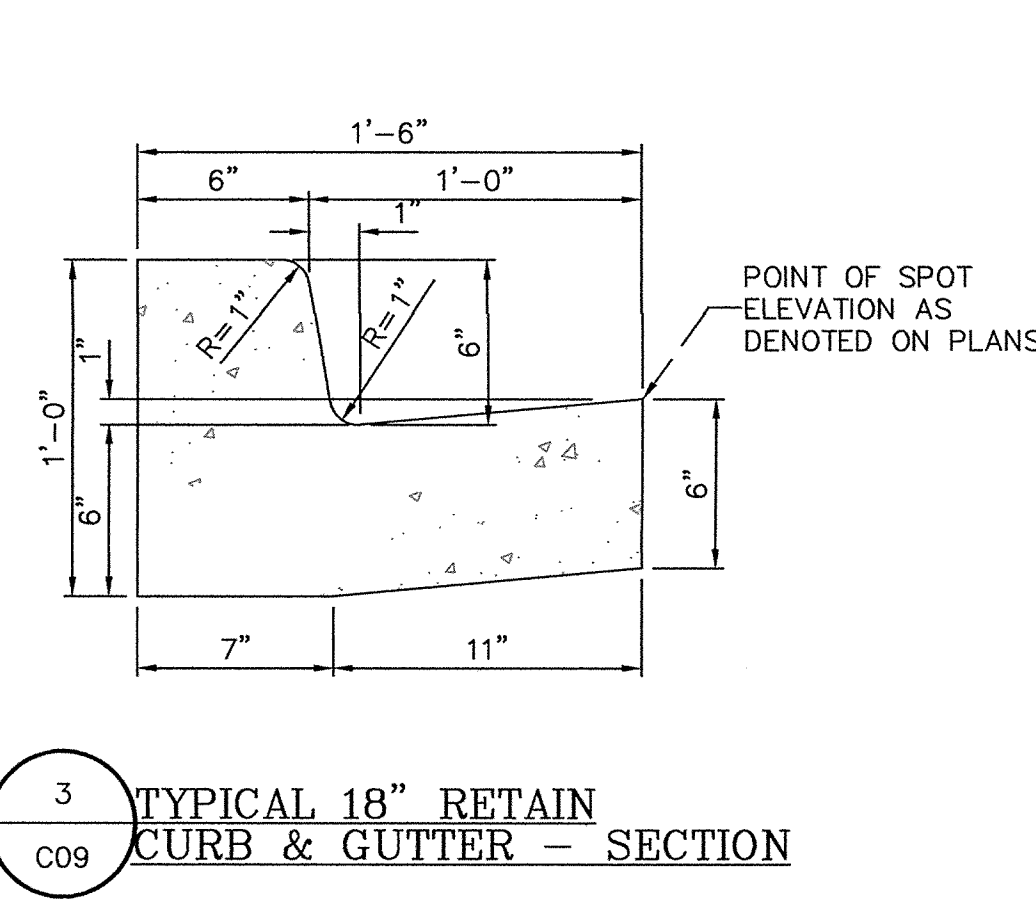
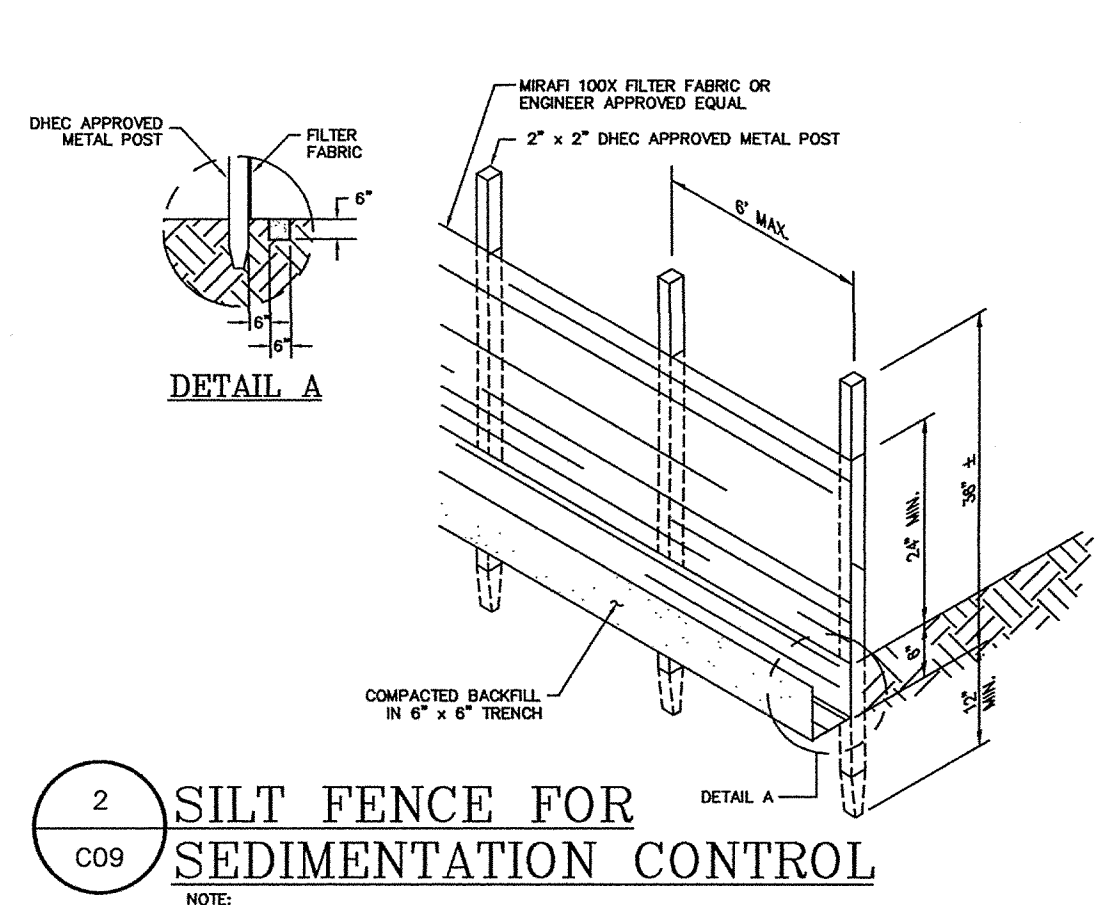
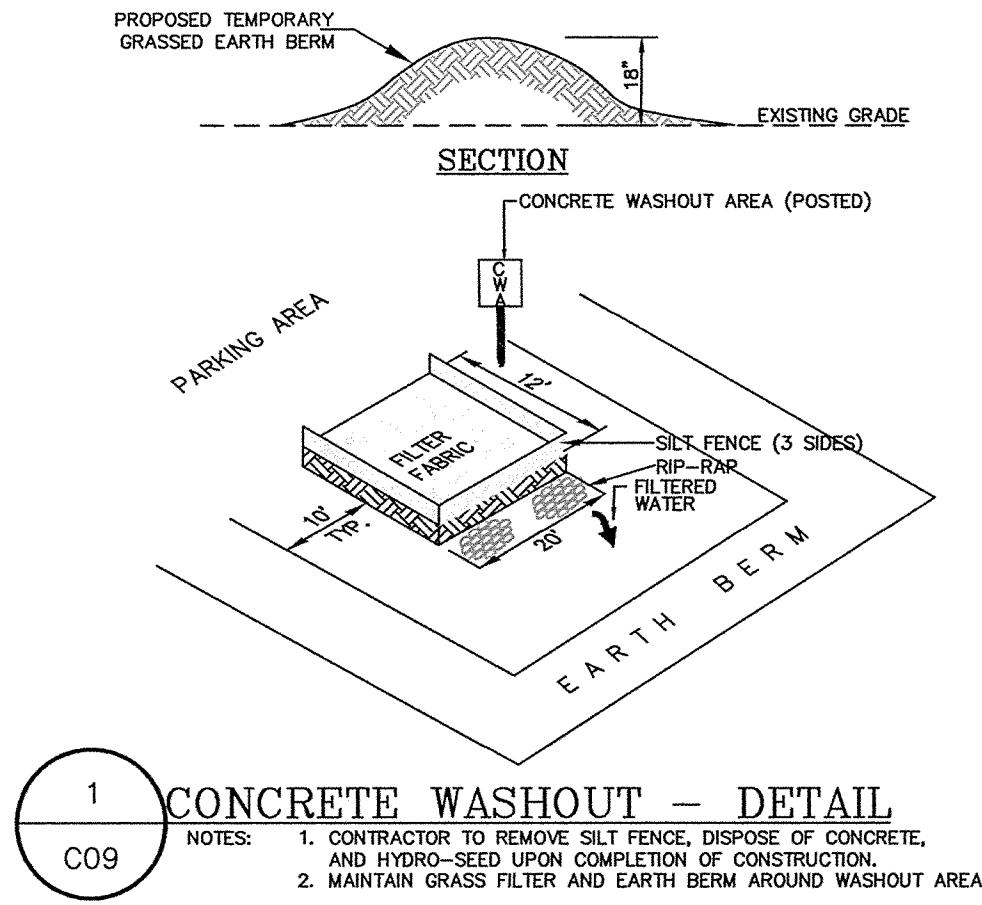
 SIGNAGE
 PHASE LINE OR LIMITS OF DISTURBANCE
 PROPOSED SIDEWALK RAMP
 PROPOSED ASPHALT PAVEMENT
 2" ASPHALT TYPE C WITH
 6" STONE BASE.
 DENOTES (2) - 3" PVC
 CONDUITS.
 CONDUIT TO EXTEND 3'
 BEYOND BACK OF CURB.
 ALL ENDS CAPPED AND
 MARKED WITH A WHITE
 PAINTED STAKE. CONDUIT
 DEPTH = 24 INCHES.



| | | |
|---|-----------------|--|
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| PAVING PLAN | DRAWN BY: RSA | CHECKED BY: TPB |
| JOB NO.: 2020001 | SCALE: 1" = 20' | SHEET OF: COB 9 |
| <small>ENGINEERING PROFESSIONAL SEAL</small> | | <small>MARK DATE REVISIONS</small> |



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DETAILS

| | | | |
|-----------|---------|-------------|------|
| DRAWN BY: | TB | CHECKED BY: | TPB |
| JOB NO. | 2020001 | SCALE: | NONE |
| C09 | | SHEET OF | C09 |
| | | | 9 |

REVISIONS: MARK DATE

CODE COMPLIANCE REVIEW

CODES COMPLIANCE REVIEW AND RELATED INFORMATION

- A. PROJECTED DESIGNED IN ACCORDANCE WITH:
1. International Building Code - 2018 Edition
 2. International Plumbing Code - 2018 Edition
 3. International Mechanical Code - 2018 Edition
 4. International Fuel Gas Code - 2018 Edition
 5. International Fire Code - 2018 Edition
 6. National Electric Code - 2017 Edition
 7. National Electrical Safety Code ANSI-C2 - Latest Edition
 8. ICC/ANSI-A117.1 - American National Standard: Accessible and Usable Buildings and Facilities
 9. International Energy Conservation Code - 2009 Edition
 10. International Existing Building Code - 2018 Edition
 11. American with Disabilities Act (ADA)

B. BASIC REVIEW INFORMATION

1. Site Development:
 - a. Area of Site Developed (in acres): See Civil
 - b. Municipality and/or County Where Project is Located: City of Georgetown
 - c. Jurisdiction for:
 - 1) Site Work: City of Georgetown
 - 2) Water: City of Georgetown
 - 3) Sewer: City of Georgetown
 - 4) Zoning: City of Georgetown
 - d. Is project in Flood Plain: No
 - e. Is project in Wetlands Area: No

2. Primary Occupancy Classification: A3

3. Type of Construction (IBC Chapter 6): Addition: Type V-B
Sprinklered: No

| | Building Area by Design: | Building Area allowed by IBC: |
|-------------------|--------------------------|-------------------------------|
| Existing Heated | 18,730 sf | Existing Building |
| Existing Unheated | 515 sf | |
| Addition Heated | 3,242 sf | 6,000 sf |
| Addition Unheated | 58 sf | |

5. Building Height (Addition only): +/- 23'-4" * Building Height Allowed (IBC Table 503): 55 ft.
Number of Stories: 1 Number of Stories Allowed: 2
Allowable Height Increase (IBC Section 504): NA
Allowable Story Increase (IBC Section 504): NA
*Building height is measured from the average grade plane to the top of the highest roof surface.

| Occupancy Classification: | Assembly - Auditorium | Business | Unheated |
|-------------------------------|-----------------------|--------------|-------------|
| Area per Occupancy | 1,800 sf | 652 sf | 58 sf |
| Area per Occupant | 15 net | 150 sf gross | 200 gross |
| Area Occupant Load: | 120 occupants | 5 occupants | 1 occupants |
| TOTAL Building Occupant Load: | 126 occupants | | |

7. Fire Resistance ratings required (Addition only): (IBC Table 601) Fire-resistance rating requirements for building elements, AND (IBC Table 602) Fire-resistance rating requirements for exterior walls based on fire separation distance; A/E specified system and source of rated assembly/element selected (UL, FM, etc.)

| | Required | Source UL |
|--|--------------|-----------|
| a. Party/Fire Walls: | Required | UL-U419 |
| b. Interior Bearing Walls: | Not Required | |
| c. Interior Nonbearing Partitions: | Not Required | |
| d. Columns: | Not Required | |
| e. Beams, Girders, Trusses & Arches: | Not Required | |
| f. Floor & Floor/Ceiling Construction: | Not Required | |
| g. Roof & Roof/Ceiling Construction: | Not Required | |
| h. Exterior Bearing Walls: 10< X < 30: | Not Required | |
| i. Corridors: | Not Required | |

8. Other Fire Protection (Addition only):

| | |
|---|--------------|
| a. Mechanical Room Separation | Not Required |
| b. Shaft Enclosure (IBC 707.4): | Not Required |
| c. Machine Rooms (IBC 3006.4): | Not Required |
| d. Fireblocking Required (IBC 718.2): | Required |
| e. Smoke Barrier Required (IBC 709): | Not Required |
| f. Sprinklers Required (IBC 903): | Not Required |
| g. Standpipes Required (IBC 905): | Not Required |
| h. Fire Alarms Required (IBC 907): | Not Required |
| i. Draftstopping in floors (IBC 718.3): | Not Required |
| j. Draftstopping in attics (IBC 718.4): | Required |

9. Project in Fire District: City of Georgetown

10. Plumbing Facilities (Addition only): (IPC Chapter 4; Table 403.1)

| | Required | Provided |
|----------------------|--------------------|----------------------------------|
| Water Closets: | Male: 1; Female: 1 | Male: 1; Female: 1 |
| Lavatories: | Male: 1; Female: 1 | Male: 1; Female: 1 |
| Drinking Fountains: | 1 | 1 (located in existing facility) |
| Other: Service Sinks | 1 | 1 (located in existing facility) |



Generated by COMcheck-Web Software Envelope Compliance Certificate

Section 1: Project Information

Energy Code: 2009 IECC
Project Title: Georgetown County Library - Headquarters
Project Type: Addition

Construction Site: 405 Cleland Street, Georgetown, South Carolina 29440
Owner/Agent: Georgetown County, PO Box 721270, Georgetown, South Carolina 29442
Designer/Contractor: Michael Walker, Tych & Walker, Architects, LLP, 38 Blackgum Road, Suite B, PO Box 509, Pawleys Island, South Carolina 29585, 843-651-7151, mwalker@tychwalker.com

Building Location (for weather data): Georgetown (Georgetown), South Carolina
Climate Zone: 3a
Vertical Glazing / Wall Area Pct.: 6%

Building Use: Activity Type(s) Floor Area
1-Library - Nonresidential 3432

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES: Design 0.4% better than code.

| Envelope Assemblies: | Component Name/Description | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | Proposed U-Factor | Budget U-Factor(a) |
|--|----------------------------|-------------------------|----------------|---------------|-------------------|--------------------|
| Floor: Slab-On-Grade/Unheated, [Bldg. Use 1 - Library] | | 301 | --- | --- | --- | --- |
| Exterior Wall: 12" High, Steel-Framed, 16" o.c., [Bldg. Use 1 - Library] | | 3608 | 21.0 | 0.0 | 0.106 | 0.084 |
| All Windows: Wood Frame, Perf. Specs.: Product ID PENDING, SHGC 0.23, PF 0.14, [Bldg. Use 1 - Library] (b) | | 208 | --- | --- | 0.290 | 0.650 |
| Door 1 - Single Front Glass Doors: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID PENDING, SHGC 0.23, PF 0.57, [Bldg. Use 1 - Library] (b) | | 24 | --- | --- | 0.290 | 0.900 |
| Door 2 - Solid Exit Door: Insulated Metal, Swinging, [Bldg. Use 1 - Library] | | 21 | --- | --- | 0.157 | 0.700 |
| Roof: Attic Roof with Wood Joists, [Bldg. Use 1 - Library] | | 3432 | 38.0 | 0.0 | 0.027 | 0.027 |

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
2. Windows, doors, and skylights certified as meeting leakage requirements.
3. Component R-values and U-factors labeled as certified.
4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
5. 'Other' components have supporting documentation for proposed U-Factors.
6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
7. Stair elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
8. Cargo doors and loading dock doors are weather sealed.
9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
10. Building entrance doors have a vestibule equipped with self-closing devices.

Building entrances with revolving doors:
Doors not intended to be used as a building entrance.
Doors that open directly from a space less than 3000 sq. ft. in area.
Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
Doors opening directly from a sleeping/dwelling unit.

Section 3: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2009 IECC requirements in COMcheck-Web and to comply with the mandatory requirements in the Requirements Checklist.

Michael Walker
Name - Title Signature Date

GENERAL NOTE CALLOUT

ROOM NAME [RM #] ROOM TAG

DOOR TAG

WINDOW TAG

DETAIL # [A1] INTERIOR ELEVATION TAG

SHEET # [A4.0]

DETAIL # [A9] DETAIL TAG

SHEET # [A5.2]

DETAIL # [A1] WALL SECTION TAG

SHEET # [A4.0]

DETAIL # [E1] BUILDING SECTION TAG

SHEET # [A3.1]

INTERIOR ELEVATION LEGEND

REVISION TAG

FIRE EXTINGUISHER SEE SPECIFICATIONS

ACCESSIBLE SYMBOL

| H10 | SYMBOLS | H12 | ABBREVIATIONS |
|------|----------|------|---------------|
| G1.0 | NO SCALE | G1.0 | NO SCALE |

= EXTERIOR WALL:
CEMENTITIOUS SIDING ON EXTERIOR SHEATHING ON 6" METAL STUDS @ 16" O.C. W/ 5/8" GYP BOARD INTERIOR AND BATT INSULATION

7 1/8"

= INTERIOR WALL:
6" METAL STUDS @ 16" O.C. W/ GYP BD EA SIDE (W/ SOUND BATT INSULATION)

7 1/4"

= INTERIOR WALL:
3-5/8" METAL STUDS @ 16" O.C. W/ GYP BD EA SIDE (W/ SOUND BATT INSULATION)

4 1/8"

= INTERIOR FIRE WALL:
UL DESIGN U419; 3-5/8" METAL STUD @ 16" O.C. WALL (W/2) LAYERS OF 3/4" FIRE RATED GYP BOARD EACH SIDE; PROVIDE 3-5/8" METAL STUD WALL ON EACH SIDE @ 16" O.C. W/ GYP BD (W/ SOUND BATT INSULATION)

1'-3 1/8"

| E10 | WALL LEGEND |
|------|-------------|
| G1.0 | NO SCALE |

TOTAL OCCUPANT LOAD
288 PEOPLE

EXISTING BUILDING

| | |
|---------------|---------------|
| BUSINESS, B | 44 OCCUPANTS |
| ASSEMBLY, A-3 | 118 OCCUPANTS |
| TOTAL | 162 OCCUPANTS |

ADDITION

| | |
|---------------|---------------|
| BUSINESS, B | 5 OCCUPANTS |
| ASSEMBLY, A-3 | 121 OCCUPANTS |
| TOTAL | 126 OCCUPANTS |

GENERAL NOTES

1. DIMENSIONS ARE TO FACE OF STUDS OR CMU, CENTERLINE OF DOORS, CENTERLINE OF COLUMNS OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
2. PLAN CUT IS TAKEN AT 4'-6" ABOVE FINISHED FLOOR.
3. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
4. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES.
5. ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ADA STANDARD FOR ACCESSIBLE DESIGN FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS.
6. PROVIDE MINIMUM OF 18" CLEAR ON THE FULL SIDE AND 12" CLEAR ON THE PUSH SIDE OF ALL ACCESSIBLE DOORS.
7. COORDINATE AND ALIGN STUD FRAMING WITH THE THICKNESS OF FINISH WALL MATERIAL SO THAT THE FINISH WALL IS IN A CONTINUOUS SMOOTH PLANE.
8. FIRE EXTINGUISHER CABINET. FINAL LOCATION TO BE APPROVED BY BOTH ARCHITECT AND LOCAL FIRE INSPECTOR.
9. ALL NON-BEARING PARTITION WALLS SHALL EXTEND A MINIMUM OF 6" ABOVE THE A.C.T.Y. CEILING HEIGHT. BRACE WALLS TO STRUCTURE ABOVE EVERY 48" O.C. WITH METAL STUDS.
10. ALL INTERIOR STUD WALLS TO RECEIVE SOUND BATT INSULATION.

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AN ADDITION AND RENOVATION TO THE

GEORGETOWN COUNTY LIBRARY - HEADQUARTERS

GEORGETOWN, SOUTH CAROLINA

2018-04

03/31/2022

CODE COMPLIANCE

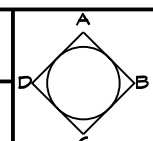
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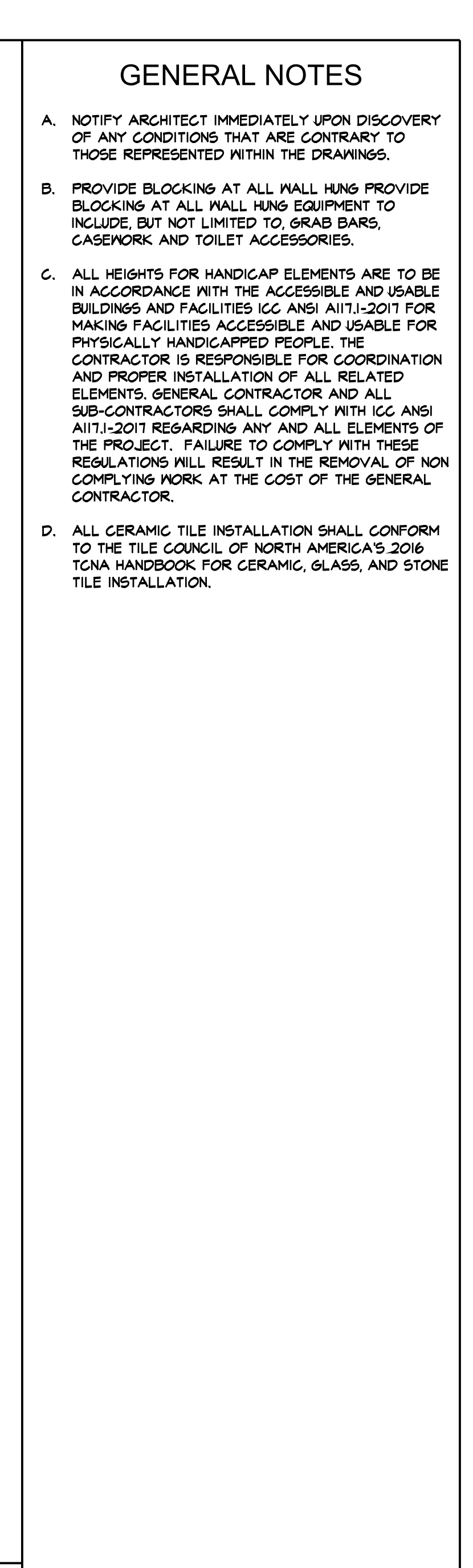
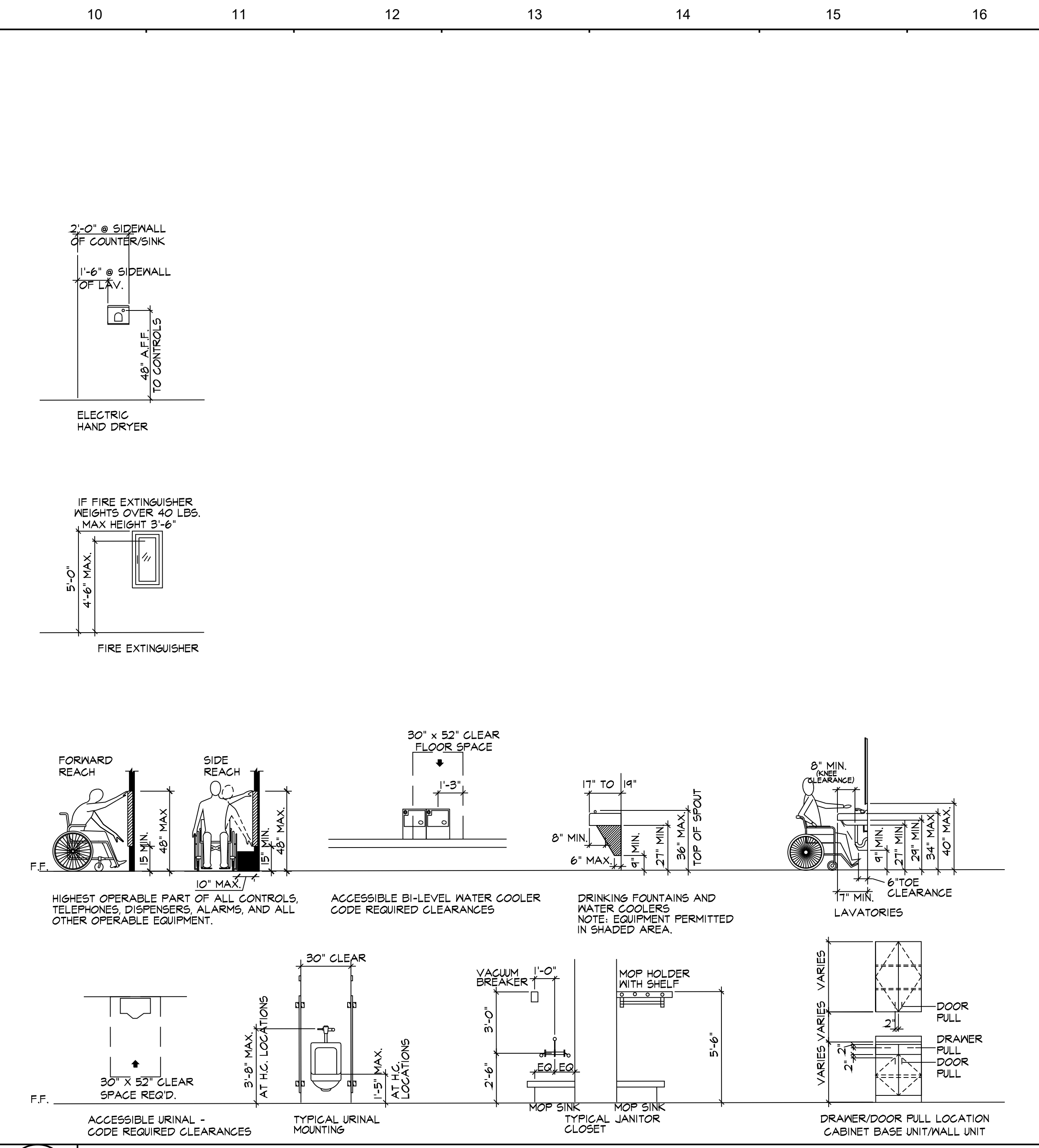
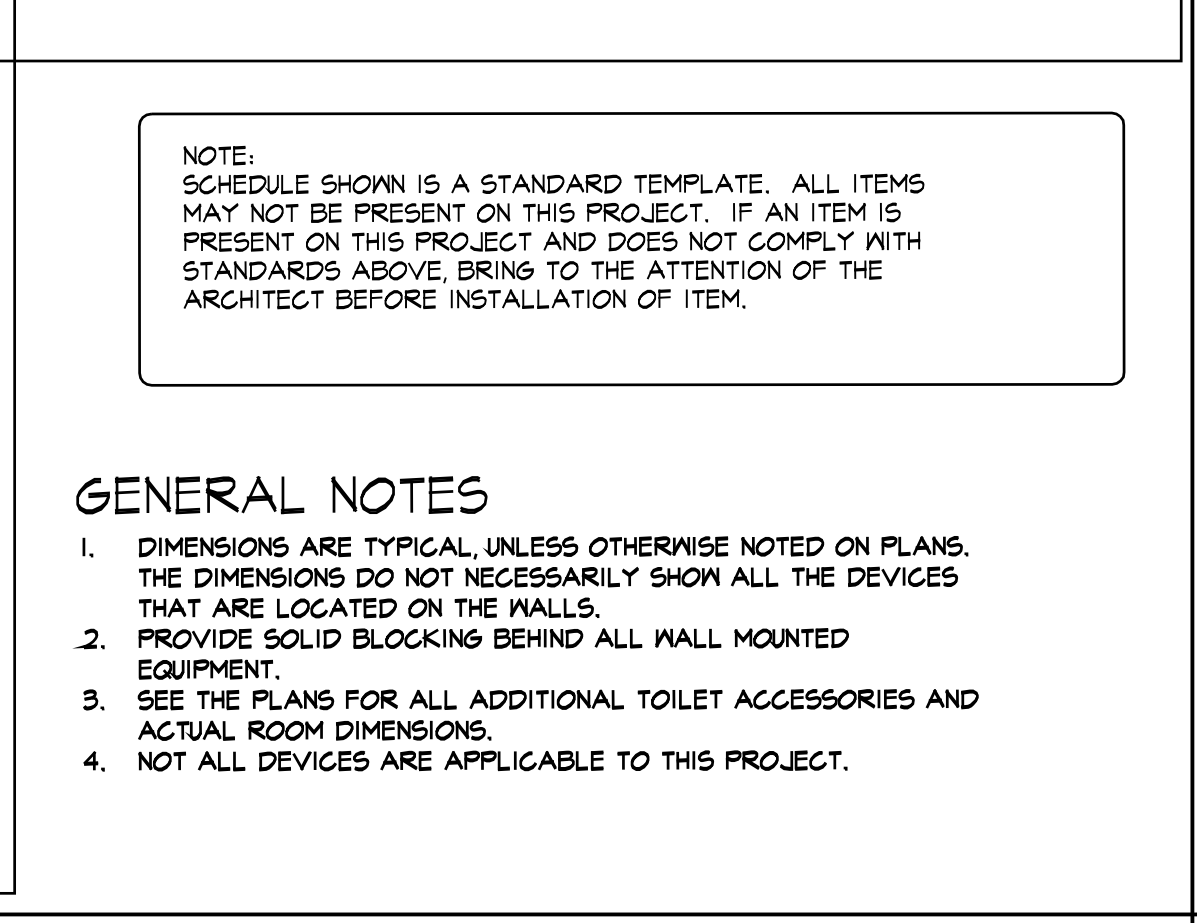
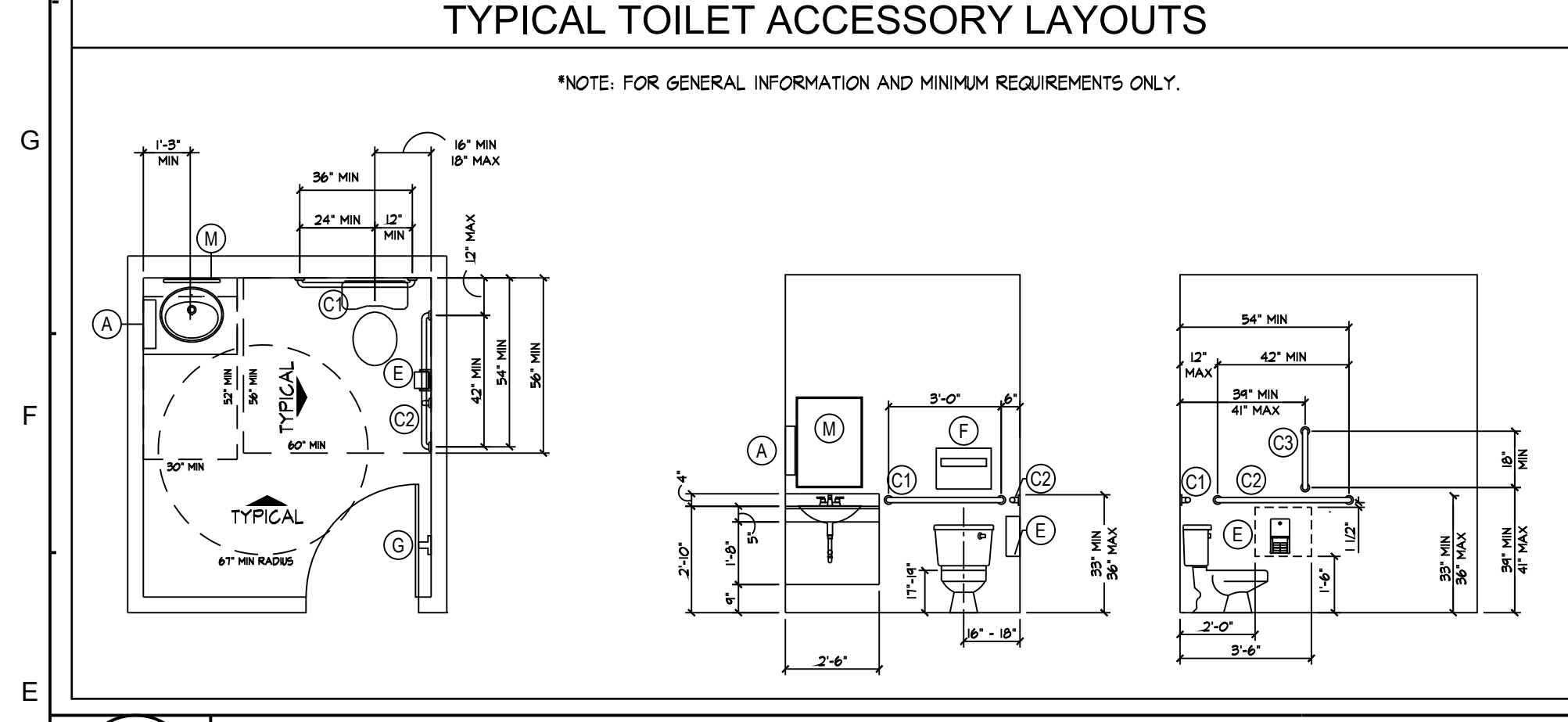
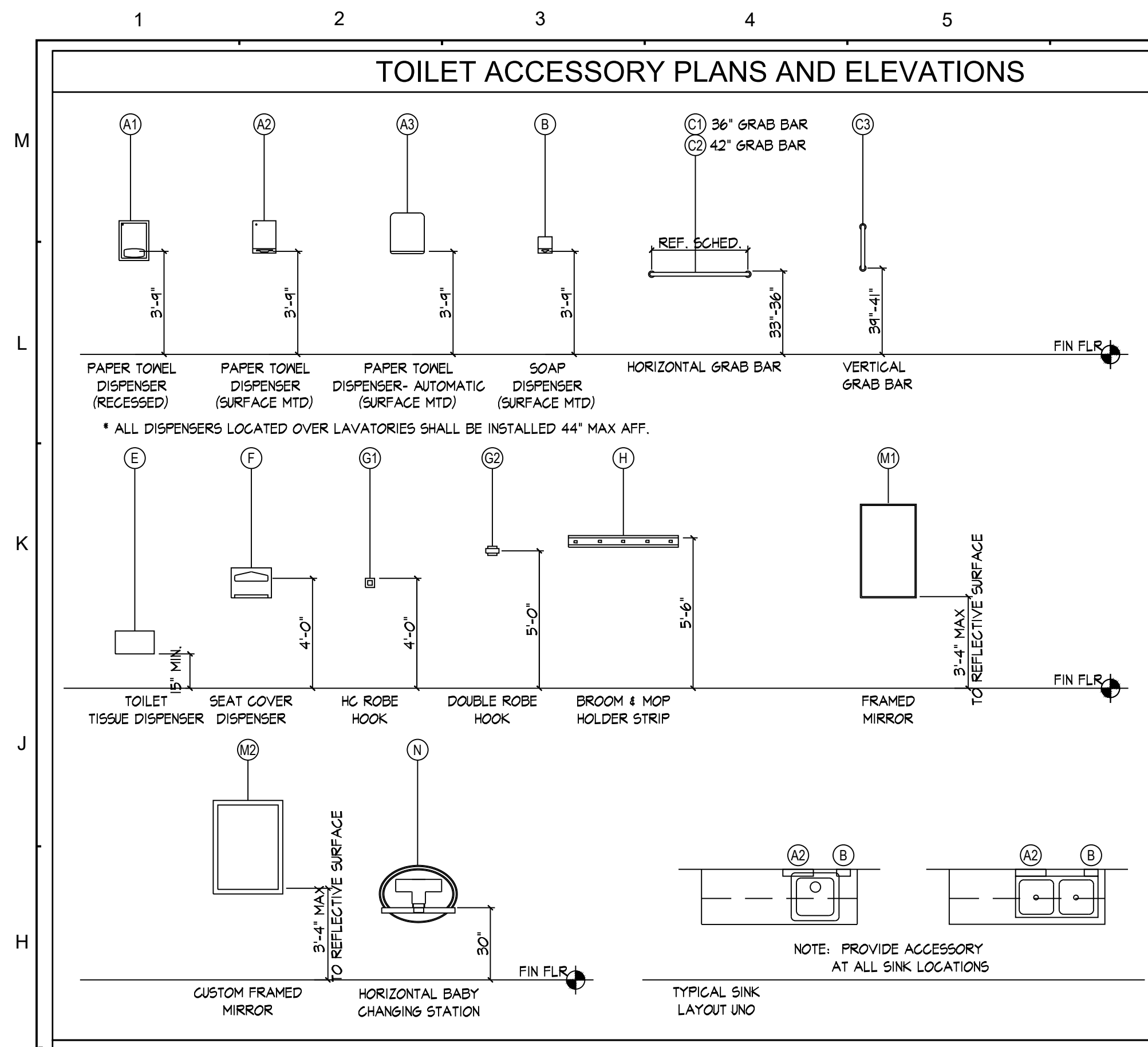
G1.0

| A1 | CODE COMPLIANCE |
|------|-----------------|
| G1.0 | NO SCALE |

| A6 | COMCHECK |
|------|----------|
| G1.0 | NO SCALE |

| A10 | OCCUPANCY DIAGRAMS |
|------|--------------------|
| G1.0 | NO SCALE |





GENERAL NOTES

- NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- PROVIDE BLOCKING AT ALL WALL HUNG PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES.
- ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ICC ANSI A117.1-2017 FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL COMPLY WITH ICC ANSI A117.1-2017 REGARDING ANY AND ALL ELEMENTS OF THE PROJECT. FAILURE TO COMPLY WITH THESE REGULATIONS WILL RESULT IN THE REMOVAL OF NON-COMPLYING WORK AT THE COST OF THE GENERAL CONTRACTOR.
- ALL CERAMIC TILE INSTALLATION SHALL CONFORM TO THE TILE COUNCIL OF NORTH AMERICA'S 2016 TCNA HANDBOOK FOR CERAMIC, GLASS, AND STONE TILE INSTALLATION.

| | | | |
|------|--------------------------|------|-------------------------------------|
| E1 | TOILET ACCESSORY DETAILS | E10 | TYPICAL ACCESSIBLE MOUNTING HEIGHTS |
| G2.0 | NOT TO SCALE | G2.0 | NOT TO SCALE |

| | | | |
|---|--|---|--|
| <p>***** BID SET *****</p> <p>REVISION DATE</p> | | <p>TYCH & WALKER ARCHITECTS, LLP</p> <p>38 BLACKGUM ROAD, UNIT B PO BOX 509 PAWLEYS ISLAND, SC 29585 843-651-7151 mwalker@tychwalker.com</p> | |
| <p>AN ADDITION AND RENOVATION TO THE GEORGETOWN COUNTY LIBRARY - HEADQUARTERS GEORGETOWN, SOUTH CAROLINA</p> | | | |
| <p>***** BID SET *****</p> | | <p>2018-04 03/31/2022 BATHROOM / ACCESSIBLE DETAILS</p> | |
| <p>A1</p> <p>TYPICAL MANEUVERING CLEARANCES AT DOORS</p> | | <p>G2.0</p> | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|--|----------------------|---------------------------|------------|--------------------------|------------|-----------------------------------|------------|---------------------------|------------|--------------------------|------------|-------------------------------|------------|-------------------------------|---------------------|-----------------------------|
| M | <p>OPENINGS OVER 3" Ø</p> <p>OPENINGS UNDER 3" Ø</p> <p>NOTES:</p> <ol style="list-style-type: none"> IF ANY PIPES ARE TO BE INSULATED, DO NOT RUN INSULATION THROUGH A RATED AND/OR SMOKE WALL. AFTER PACKING GAP AROUND PIPE THROUGH THE WALL WITH SAFING INSULATION AND DRYWALL MID, FLARE INSULATION ONTO FACE OF WALL AROUND PIPE ON BOTH SIDES OF WALL, AND SEAL TO FACE OF WALL WITH INSULATION MASTIC. ONLY ONE (1) LAYER ON EACH SIDE OF WALL REQUIRED FOR 1 OR 2 HOUR WALLS. BLOW-OUT PATCH IS NOT ACCEPTABLE ON WALLS RATED AT 3 OR 4 HOURS. BUTTER ENTIRE BACK SIDE OF PATCH WITH JOINT COMPOUND. LEAVE ALL SCREWS EXPOSED. PATCHES SHALL BE TYPE 'X' GYP IN THE SAME THICKNESS USED FOR WALL CONSTRUCTION. | <p>NON-RATED WALL</p> <p>2 1/2" MIN MTL STUDS @ 16" OC MAX BEHIND CABINET</p> <p>PROVIDE 6" OR 8" MTL STUDS AS REQD FOR PIPING AT FIRE HOSE CABINETS</p> <p>RATED WALL</p> <p>CONT CAULK - TYP TAPE, FINISH AND SEAL ALL JOINT PENETRATIONS IN GYP BD BEHIND CABINET</p> <p>FURR WALL ABOVE AND BELOW CABINET</p> <p>ELEC PANEL, FEC, FHC, OR OTHER RECESSED CABINET OR BOX OVER 16 SQ IN FACE SIZE</p> <p>NOTE: 5 SIDED ENCLOSURE BEHIND CABINET IS NOT NECESSARY IF RATED WALL IS CONTINUOUS AND ALL PENETRATIONS ARE SEALED FLOOR TO DECK BEHIND CABINET. THIS DETAIL APPLIES TO ALL CABINETS AND BOXES OVER 16 SQ INCHES IN SIZE (IE, FIRE HOSE CABS, FIRE EXTINGUISHER CABS, ELECTRICAL PANELS, ETC).</p> | <p>WALL PRIORITY LEGEND</p> <table border="1"> <tr> <td>TWO HOUR RATED FIRE AND SMOKE PARTITION</td> <td>PRIORITY 1 (HIGHEST)</td> </tr> <tr> <td>TWO HOUR RATED SHAFT WALL</td> <td>PRIORITY 2</td> </tr> <tr> <td>TWO HOUR RATED PARTITION</td> <td>PRIORITY 3</td> </tr> <tr> <td>ONE HOUR FIRE AND SMOKE PARTITION</td> <td>PRIORITY 4</td> </tr> <tr> <td>ONE HOUR RATED SHAFT WALL</td> <td>PRIORITY 5</td> </tr> <tr> <td>ONE HOUR RATED PARTITION</td> <td>PRIORITY 6</td> </tr> <tr> <td>PARTITION TO DECK (NON-RATED)</td> <td>PRIORITY 7</td> </tr> <tr> <td>PARTITION TO 3' MIN ABOVE CLG</td> <td>PRIORITY 8 (LOWEST)</td> </tr> </table> <p>HIGHER PRIORITY WALLS TO RUN CONTINUOUSLY PAST A LOWER PRIORITY WALL</p> | TWO HOUR RATED FIRE AND SMOKE PARTITION | PRIORITY 1 (HIGHEST) | TWO HOUR RATED SHAFT WALL | PRIORITY 2 | TWO HOUR RATED PARTITION | PRIORITY 3 | ONE HOUR FIRE AND SMOKE PARTITION | PRIORITY 4 | ONE HOUR RATED SHAFT WALL | PRIORITY 5 | ONE HOUR RATED PARTITION | PRIORITY 6 | PARTITION TO DECK (NON-RATED) | PRIORITY 7 | PARTITION TO 3' MIN ABOVE CLG | PRIORITY 8 (LOWEST) | <p>GENERAL NOTES</p> |
| TWO HOUR RATED FIRE AND SMOKE PARTITION | PRIORITY 1 (HIGHEST) | | | | | | | | | | | | | | | | | | | |
| TWO HOUR RATED SHAFT WALL | PRIORITY 2 | | | | | | | | | | | | | | | | | | | |
| TWO HOUR RATED PARTITION | PRIORITY 3 | | | | | | | | | | | | | | | | | | | |
| ONE HOUR FIRE AND SMOKE PARTITION | PRIORITY 4 | | | | | | | | | | | | | | | | | | | |
| ONE HOUR RATED SHAFT WALL | PRIORITY 5 | | | | | | | | | | | | | | | | | | | |
| ONE HOUR RATED PARTITION | PRIORITY 6 | | | | | | | | | | | | | | | | | | | |
| PARTITION TO DECK (NON-RATED) | PRIORITY 7 | | | | | | | | | | | | | | | | | | | |
| PARTITION TO 3' MIN ABOVE CLG | PRIORITY 8 (LOWEST) | | | | | | | | | | | | | | | | | | | |
| J1 | NOT USED | J5 | J9 | J13 | | | | | | | | | | | | | | | | |
| G3.0 | NOT TO SCALE | G3.0 | G3.0 | G3.0 | | | | | | | | | | | | | | | | |
| H | <p>EXTEND RATED AND/OR SMOKE WALL INTO OVERHANGS ABOVE AND/OR INTO SILL BELOW AND SEAL ALL PENETRATIONS PER PENETRATION DETAILS</p> <p>EXTERIOR WALL MATERIAL - VARIES REFER PLANS FOR ACTUAL CONSTRUCTION</p> <p>EXTERIOR SHEATHING</p> <p>STEEL STUDS - REFER STRUCTURAL</p> <p>TAPE AND JOINT COMPOUND</p> <p>SEAL ANY PENETRATIONS THRU RATED AND/OR SMOKE WALL PER PENETRATION DETAILS</p> <p>BATT INSULATION</p> <p>GYP BD</p> <p>RATED AND/OR SMOKE WALL</p> | <p>FIRE AND/OR SMOKE WALL PENETRATIONS</p> <p>PLASTER, DRYWALL, CONCRETE, OR MASONRY TYPICAL SEALS AS FOLLOWS:</p> <p>LESS THAN 1/2" - ACOUSTIC CAULK OR DRYWALL JOINT COMPOUND (NO TAPE)</p> <p>MORE THAN 1/2" - BLOW-OUT PATCH OR PROPRIETARY SYSTEM</p> <p>UNSLEEVED PENETRATIONS</p> <p>FOR PIPES AND CONDUITS NOT SUBJECT TO MOVEMENT OR CONDENSATION</p> <p>SAFING FOR PIPING NOT SUBJECT TO CONDENSATION OR FOAMGLASS IN SLEEVE OR FIBERGLASS WITH PROPRIETARY SYSTEM FOR PIPING SUBJECT TO CONDENSATION</p> <p>MIN 20 GA GALV SLEEVE - SECURE IN WALL</p> <p>INSULATION WHERE APPLICABLE</p> <p>TYPICAL SEAL</p> <p>PROPRIETARY SYSTEMS</p> <p>SLEEVED PENETRATIONS</p> <p>FOR PIPES AND CONDUITS SUBJECT TO VIBRATION, EXPANSION, CONTRACTION, AND/OR CONDENSATION</p> <p>UNSLEEVED WIRE UP TO A 2" BUNDLE</p> <p>SECURE</p> <p>ACOUSTIC CAULK</p> <p>1/2" MAX (SAFE IF OVER 1/2")</p> <p>TYPICAL SEAL</p> <p>CONDUIT FOR BUNDLED WIRES OVER 2"</p> <p>SLEEVES SHALL BE SECURED IN THE WALL TO PREVENT MOVEMENT</p> <p>WIRE PENETRATIONS</p> | <p>NOTE: IN ALL RATED PARTITIONS AND SMOKE PARTITIONS, THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES SHALL NOT EXCEED 16 SQUARE INCHES. THE AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET. BOXES WHICH EXCEED THESE STANDARDS SHALL BE RECESSED AS SHOWN IN 'RECESSED METAL WALL CABINET' DETAIL. BOXES LOCATED ON OPPOSITE SIDES OF RATED AND / OR SMOKE PARTITIONS SHALL BE SEPERATED BY HORIZONTAL DISTANCE OF 24 INCHES MINIMUM.</p> <p>ACOUSTICAL SEALANT BACK AND SIDES OF BOX AS NECESSARY FOR SOUND RATING</p> <p>2'-0" MIN SPACING</p> <p>TELEPHONE, ELECTRICAL BOXES, ETC</p> <p>MAX 16 SQ IN OPENING IN RATED OR SMOKE WALL</p> <p>SEAL BOXES TIGHT TO GYP BD WITH ACOUSTICAL SEALANT (1/4" MAX JOINT BETWEEN BOX AND ALL LAYERS OF GYP BD)</p> <p>ADJACENT ELECTRICAL BOXES</p> <p>LAMINATE BACK PIECE TO WALLBOARD</p> <p>SHALLOW FIVE SIDE BOX DETAIL</p> <p>NOTE: REQUIRED WHERE BOX EXCEEDS 16 SQ IN OR AGGREGATE OF BOXES EXCEEDS 100 SQ IN / 100 SF OF WALL AREA</p> | <p>16" OC</p> <p>CUT-OUT 6"x 6" MAX</p> <p>MTL STUDS</p> <p>PARTIAL ELEVATION</p> <p>MAIN WALL SURFACE</p> <p>GYP BD PATCH OF SAME THICKNESS AS ADJACENT WALL SURFACE</p> <p>TYPE 'S' SCREWS</p> <p>MTL RUNNER TRACK SECTION</p> <p>PARTIAL ELEVATION</p> <p>MTL RUNNER TRACK SECTION</p> <p>GYP BD PATCH OF SAME THICKNESS AS ADJACENT WALL SURFACE</p> <p>TAPE AND FINISH</p> <p>SECTION</p> | | | | | | | | | | | | | | | | |
| E1 | E5 | E9 | E13 | | | | | | | | | | | | | | | | | |
| G3.0 | G3.0 | G3.0 | G3.0 | G3.0 | | | | | | | | | | | | | | | | |
| D | <p>EXTERIOR WALL MATERIAL - VARIES REFER PLANS FOR ACTUAL CONSTRUCTION</p> <p>EXTERIOR SHEATHING</p> <p>STEEL STUDS - REFER STRUCTURAL</p> <p>TAPE AND JOINT COMPOUND</p> <p>BATT INSULATION</p> <p>GYP BD</p> <p>NON-RATED WALL</p> | <p>NOTES:</p> <ol style="list-style-type: none"> IF ANY PIPES ARE TO BE INSULATED, DO NOT RUN INSULATION THROUGH A RATED AND/OR SMOKE WALL. AFTER PACKING GAP AROUND PIPE THROUGH WALL WITH SAFING INSULATION AND DRYWALL MID, FLARE INSULATION ONTO FACE OF WALL AROUND PIPE ON BOTH SIDES OF WALL, AND SEAL TO FACE OF WALL WITH INSULATION MASTIC. THIS IS A TYPICAL ARRANGEMENT. REPEAT THIS PROCEDURE AS NEEDED TO ACCOMMODATE ALL CONDUIT AND PIPE PENETRATIONS THROUGH WALLS. <p>48" MAX</p> <p>VERTICAL MTL STUDS @ 16" OC MAX</p> <p>PACK WITH THERMAFIBER SAFING INSULATION AT MANUFACTURED DENSITY WITH NO VOIDS AND DRYWALL MID - TYPICAL</p> <p>CUT GYP BD TIGHT TO CONDUIT OR PIPING 1/4" MAX GAP AND SEAL AS REQUIRED</p> <p>CONDUIT OR PIPING</p> <p>MTL STUDS BEHIND GYP BD</p> <p>REFER TO PARTITION TYPES FOR WALL CONSTRUCTION</p> <p>METAL STUD TRACK RUNNERS</p> <p>ALTERNATE 1: BLOW-OUT ONE SIDE OF WALL TAPE AND JOINT COMPOUND, DRYWALL, OR SEALANT</p> <p>ALTERNATE 2: FACE TO BE SEALED WITH DRYWALL SEALANT, OR TAPE AND JOINT COMPOUND</p> <p>NOTE: OVER 1" GAP REQUIRES A BLOW OUT PATCH</p> <p>PACK WITH THERMAFIBER SAFING INSULATION AT MANUFACTURED DENSITY WITH NO VOIDS AND DRYWALL MID TYPICAL</p> <p>ALTERNATE 1 OR 2 MAY BE USED ON EITHER SIDE OF WALL, ONE SIDE OF PENETRATION MAY REMAIN OPEN.</p> <p>SECTION A-A</p> | <p>30'-0" OC MAX</p> <p>30'-0" OC MAX</p> <p>1/8"</p> <p>NON-RATED PARTITION</p> <p>GYP BD CONTROL JOINT - TYP</p> <p>30'-0" OC MAX</p> <p>30'-0" OC MAX</p> <p>5/8" MIN</p> <p>1/8"</p> <p>2 LAYERS 5/8" GYP BD</p> <p>OPTION 1 ONE-HOUR RATED PARTITION</p> <p>30'-0" OC MAX</p> <p>30'-0" OC MAX</p> <p>1/8"</p> <p>OPTION 2 ONE-HOUR RATED PARTITION</p> <p>30'-0" OC MAX</p> <p>30'-0" OC MAX</p> <p>5/8" MIN</p> <p>1/8"</p> <p>3 LAYERS 5/8" GYP BD</p> <p>OPTION 1 TWO-HOUR RATED PARTITION</p> <p>30'-0" OC MAX</p> <p>30'-0" OC MAX</p> <p>1/8"</p> <p>OPTION 2 TWO-HOUR RATED PARTITION</p> <p>NOTE: PROVIDE GYP BD CONTROL JOINTS AT 30'-0" OC MAX EACH DIRECTION. REFER TO PARTITION TYPES FOR TYPICAL WALL CONSTRUCTION</p> | <p>SMALL OPENINGS MAY BE PATCHED USING JOINT COMPOUND, CAULK, OR BLOW-OUT PATCHES</p> <p>LARGE OPENINGS REQUIRE A BLOW-OUT PATCH OR WALL REPAIR</p> <p>SMOKE RESISTANT WALLS</p> <p>1/2" MAXIMUM</p> <p>UP TO 1/2" OPENINGS MAY BE FILLED FULL DEPTH OF DRYWALL WITH ACOUSTICAL SEALANT. STRIKE OFF AT FACE OF DRYWALL. DO NOT SPREAD BEYOND OPENING. ALTERNATIVELY, A PROPRIETARY SYSTEM MAY BE USED.</p> <p>UP TO 1/4" OPENINGS MAY BE FILLED WITH JOINT COMPOUND.</p> <p>UP TO 1/8" OPENINGS DO NOT REQUIRE ANY TREATMENT</p> <p>LARGER THAN 1/2" OPENINGS REQUIRE A BLOW-OUT PATCH. REFER TO DETAIL AS O/NX. VERIFY WITH LOCAL AUTHORITIES FOR USE OF BLOW-OUT PATCH.</p> <p>1-HR RATED WALLS (FIRE AND SMOKE)</p> | | | | | | | | | | | | | | | | |
| A1 | A5 | A9 | A13 | | | | | | | | | | | | | | | | | |
| G3.0 | G3.0 | G3.0 | G3.0 | G3.0 | | | | | | | | | | | | | | | | |

TYCH & WALKER
ARCHITECTS, LLP

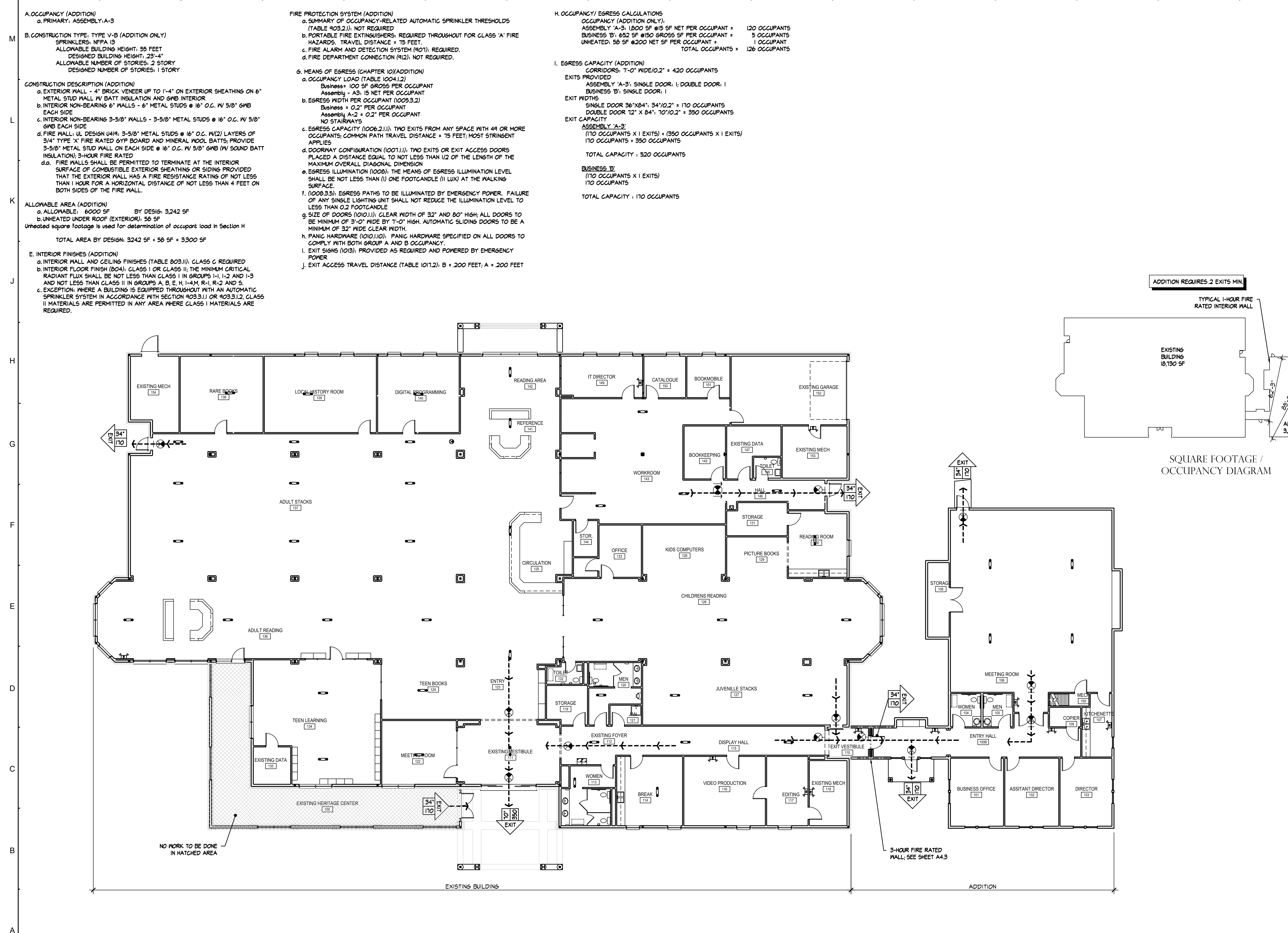
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AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS
GEORGETOWN, SOUTH CAROLINA

2018-04
03/31/2022
PARTITION / PENETRATION DETAILS

BID SET

G3.0



A. OCCUPANCY (ADDITION)
 a. PRIMARY: ASSEMBLY A-3

B. CONSTRUCTION TYPE: TYPE V-B (ADDITION ONLY)
 SPRINKLERS: NFPA 13
 ALLOWABLE BUILDING HEIGHT: 55 FEET
 DESIGNED BUILDING HEIGHT: 23'-4"
 ALLOWABLE NUMBER OF STORIES: 2 STORY
 DESIGNED NUMBER OF STORIES: 1 STORY

CONSTRUCTION DESCRIPTION (ADDITION)
 a. EXTERIOR WALL - 4" BRICK VENEER UP TO 1'-4" ON EXTERIOR SHEATHING ON 6" METAL STUD WALL W/ BATT INSULATION AND GWB INTERIOR
 b. INTERIOR NON-BEARING 6" WALLS - 6" METAL STUDS @ 16" O.C. W/ 5/8" GWB EACH SIDE
 c. INTERIOR NON-BEARING 3-5/8" WALLS - 3-5/8" METAL STUDS @ 16" O.C. W/ 5/8" GWB EACH SIDE
 d. FIRE WALL: UL DESIGN U419; 3-5/8" METAL STUDS @ 16" O.C. W/ (2) LAYERS OF 3/4" TYPE 'X' FIRE RATED GYP BOARD AND MINERAL WOOL BATTS; PROVIDE 3-5/8" METAL STUD WALL ON EACH SIDE @ 16" O.C. W/ 5/8" GWB (W/ SOUND BATT INSULATION); 3-HOUR FIRE RATED
 d.a. FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF COMBUSTIBLE EXTERIOR SHEATHING OR SIDING PROVIDED THAT THE EXTERIOR WALL HAS A FIRE RESISTANCE RATINGS OF NOT LESS THAN 1 HOUR FOR A HORIZONTAL DISTANCE OF NOT LESS THAN 4 FEET ON BOTH SIDES OF THE FIRE WALL.

ALLOWABLE AREA (ADDITION)
 a. ALLOWABLE: 6000 SF BY DESIGN: 3,242 SF
 b. UNHEATED UNDER ROOF (EXTERIOR): 50 SF
 Unheated square footage is used for determination of occupant load in Section H
 TOTAL AREA BY DESIGN: 3242 SF + 50 SF = 3300 SF

E. INTERIOR FINISHES (ADDITION)
 a. INTERIOR WALL AND CEILING FINISHES (TABLE 903.1); CLASS C REQUIRED
 b. INTERIOR FLOOR FINISH (904); CLASS I OR CLASS II; THE MINIMUM CRITICAL RADIANT FLUX SHALL BE NOT LESS THAN CLASS I IN GROUPS I-1, I-2 AND I-3 AND NOT LESS THAN CLASS II IN GROUPS A, B, E, H, I-4M, R-1, R-2 AND S.
 c. EXCEPTION: WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1 OR 903.3.2, CLASS II MATERIALS ARE PERMITTED IN ANY AREA WHERE CLASS I MATERIALS ARE REQUIRED.

FIRE PROTECTION SYSTEM (ADDITION)
 a. SUMMARY OF OCCUPANCY-RELATED AUTOMATIC SPRINKLER THRESHOLDS (TABLE 903.2.1); NOT REQUIRED
 b. PORTABLE FIRE EXTINGUISHERS: REQUIRED THROUGHOUT FOR CLASS 'A' FIRE HAZARDS. TRAVEL DISTANCE = 75 FEET.
 c. FIRE ALARM AND DETECTION SYSTEM (907); REQUIRED.
 d. FIRE DEPARTMENT CONNECTION (912); NOT REQUIRED.

6. MEANS OF EGRESS (CHAPTER 10)(ADDITION)
 a. OCCUPANCY LOAD (TABLE 1004.1.2)
 Business - 100 SF GROSS PER OCCUPANT
 Assembly - A-3; 15 NET PER OCCUPANT
 b. EGRESS WIDTH PER OCCUPANT (1009.3.2)
 Business = 0.2' PER OCCUPANT
 Assembly A-2 = 0.2' PER OCCUPANT
 NO STAIRWAYS
 c. EGRESS CAPACITY (1006.2.1.1); TWO EXITS FROM ANY SPACE WITH 49 OR MORE OCCUPANTS; COMMON PATH TRAVEL DISTANCE = 75 FEET; MOST STRINGENT APPLIES
 d. DOORWAY CONFIGURATION (1007.1.1); TWO EXITS OR EXIT ACCESS DOORS PLACED A DISTANCE EQUAL TO NOT LESS THAN 1/2 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION
 e. EGRESS ILLUMINATION (1008); THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL BE NOT LESS THAN (I) ONE FOOTCANDLE (11 LUX) AT THE WALKING SURFACE.
 f. (1009.5); EGRESS PATHS TO BE ILLUMINATED BY EMERGENCY POWER. FAILURE OF ANY SINGLE LIGHTING UNIT SHALL NOT REDUCE THE ILLUMINATION LEVEL TO LESS THAN 0.2 FOOTCANDLE
 g. SIZE OF DOORS (1010.1.1); CLEAR WIDTH OF 32" AND 80" HIGH; ALL DOORS TO BE MINIMUM OF 3'-0" WIDE BY 7'-0" HIGH. AUTOMATIC SLIDING DOORS TO BE A MINIMUM OF 32" WIDE CLEAR WIDTH.
 h. PANIC HARDWARE (1010.1.2); PANIC HARDWARE SPECIFIED ON ALL DOORS TO COMPLY WITH BOTH GROUP A AND B OCCUPANCY.
 i. EXIT SIGNS (1013); PROVIDED AS REQUIRED AND POWERED BY EMERGENCY POWER
 j. EXIT ACCESS TRAVEL DISTANCE (TABLE 1012.1); B = 200 FEET; A = 200 FEET

H. OCCUPANCY/ EGRESS CALCULATIONS
 OCCUPANCY (ADDITION ONLY):
 ASSEMBLY 'A-3': 1,800 SF @ 15 SF NET PER OCCUPANT = 120 OCCUPANTS
 BUSINESS 'B': 652 SF @ 5 SF GROSS SF PER OCCUPANT = 5 OCCUPANTS
 UNHEATED: 50 SF @ 200 NET SF PER OCCUPANT = 1 OCCUPANT
 TOTAL OCCUPANTS = 126 OCCUPANTS

I. EGRESS CAPACITY (ADDITION)
 CORRIDORS: 7'-0" WIDE/0.2" = 420 OCCUPANTS
 EXITS PROVIDED
 ASSEMBLY 'A-3': SINGLE DOOR: 1; DOUBLE DOOR: 1
 BUSINESS 'B': SINGLE DOOR: 1
 EXIT WIDTHS
 SINGLE DOOR 36"x84": 34"/0.2" = 170 OCCUPANTS
 DOUBLE DOOR 12" X 84": 10"/0.2" = 950 OCCUPANTS
 EXIT CAPACITY
 ASSEMBLY 'A-3':
 (170 OCCUPANTS X 1 EXITS) + (350 OCCUPANTS X 1 EXITS)
 170 OCCUPANTS + 350 OCCUPANTS
 TOTAL CAPACITY : 520 OCCUPANTS
 BUSINESS 'B':
 (170 OCCUPANTS X 1 EXITS)
 170 OCCUPANTS
 TOTAL CAPACITY : 170 OCCUPANTS

GENERAL NOTES

- NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- DIMENSIONS ARE FACE OF METAL STUDS, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
- THE PLAN CUT IS TAKEN AT 4'-6" AFF.
- REFER TO THE MECHANICAL DRAWINGS FOR FIRE DAMPER AND/OR FIRE/SMOKE DAMPER LOCATIONS.
- REFER TO THE ELECTRICAL DRAWINGS FOR EMERGENCY ILLUMINATION AND ALL FIRE ALARM DEVICES.
- ALL DOOR HARDWARE SHALL MEET OR EXCEED ALL APPLICABLE CODES.
- PROVIDE FIRE EXTINGUISHERS AS SHOWN ON PLANS AND/OR AS DIRECTED BY THE FIRE MARSHAL'S OFFICE.

LIFE SAFETY LEGEND

- EXIT LIGHT & DIRECTIONAL ARROW RE: ELECTRICAL
- EXIT LIGHT
- FIRE EXTINGUISHER CABINET
- EGRESS DIRECTION
- EGRESS PATH
- EMERGENCY LIGHTING
- CLEAR OPENING OF EXIT
- EXIT CAPACITY (TABLE 1004.1.2)

EXIT CAPACITY LEGEND

34" X 170" = 170

WALL RATINGS LEGEND

3-HR FIRE RATED WALL; UL DESIGN U419

FIRE EXTINGUISHER CABINET TYPE 'A' UNLESS OTHERWISE SPECIFIED

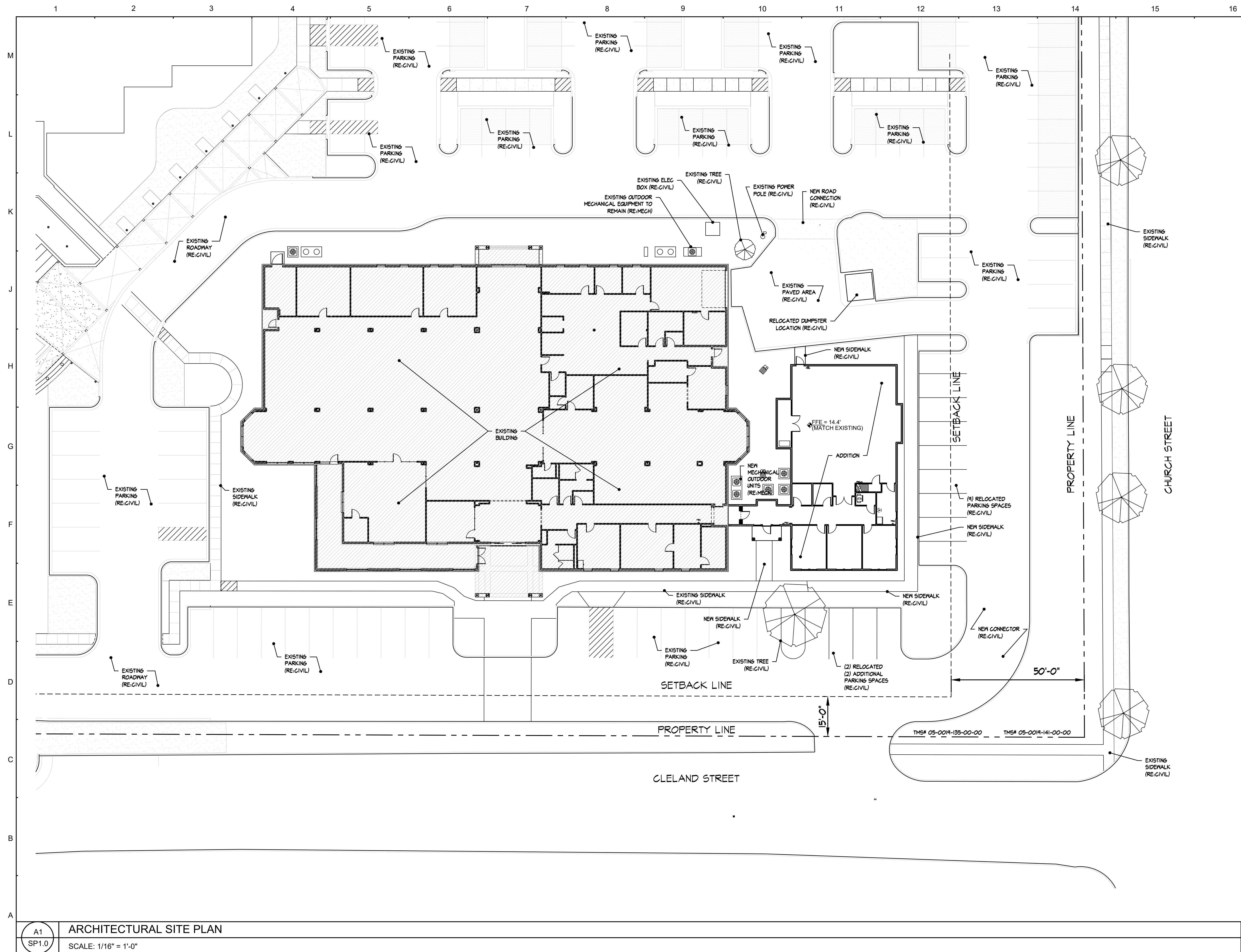
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AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS
 GEORGETOWN, SOUTH CAROLINA

2018-04
 03/31/2022
 FIRST FLOOR LIFE SAFETY PLAN

LS1



GENERAL NOTES

- A. SITE INFORMATION OF TMS# 05-0019-135-00-00 AND TMS# 05-0019-141-00-00 ARE BASED ON SURVEY PROVIDED BY OWNER.
- B. THE CONTRACTOR IS TO GRADE THE SITE IN SUCH A WAY AS TO ENSURE ADEQUATE DRAINAGE AWAY FROM ALL BUILDINGS. PONDING SHOULD BE AVOIDED IN ALL INSTANCES. REFER TO CIVIL DRAWINGS FOR GRADING INFORMATION.
- C. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO INITIATING CONSTRUCTION.
- D. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL UTILITIES AND THEIR TIE-INS WITH THE CITY/COUNTY AGENCIES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE EXISTING CONDITIONS TO THE SATISFACTION OF THE REGULATORY AUTHORITIES. THE CONTRACTOR SHALL ALSO EMPLOY A R.L.S. TO LOCATE THE BUILDING AND CERTIFY COMPLIANCE WITH ALL CITY/COUNTY REGULATIONS.
- E. THE CONTRACTOR SHALL EMPLOY A R.L.S. TO VERIFY, DEFINE AND CLEARLY MARK ALL PROPERTY LINES PRIOR TO THE COMMENCEMENT OF WORK. MARK THE SIDE AND REAR PROPERTY BOUNDARY LINES AND MAINTAIN FOR THE DURATION OF THE PROJECT.
- F. ANY AND ALL WORK SHALL BE MAINTAINED WITHIN THE PROPERTY LINES (APART FROM WHAT WORK FALLS WITHIN AN EASEMENT) THE CONTRACTOR IS RESPONSIBLE FOR ANY INTRUSION OR DAMAGE TO ADJACENT PROPERTY.
- G. THE CONTRACTOR SHALL PREPARE A GRAVEL DRIVE AREA DURING THE CONSTRUCTION; REFER TO CIVIL DRAWINGS.
- H. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CLEAN JOB SITE AT ALL TIMES AND REMOVING DEBRIS ON A REGULAR BASIS. ALL LOOSE TRASH WILL BE MAINTAINED ON SITE AND/OR CLEANED UP BY THE CONTRACTOR.
- I. REFER TO CIVIL DRAWINGS FOR ALL CIVIL INFORMATION.
- J. FLOOR REFERENCE ELEVATION 0'-0" EQUALS THE EXISTING VERTICAL ELEVATION OF BUILDING SLAB AS INDICATED ON CIVIL DRAWINGS.
- K. PROVIDE 4" CONCRETE PAD ON COMPACTED SOIL FOR ALL MECHANICAL OUTDOOR UNITS. THE PAD SHALL EXTEND 6" MIN. BEYOND EACH EDGE OF THE OVERALL EQUIPMENT LAYOUT. THE PAD SHALL BE A MIN. OF 12" OFF THE EDGE OF THE BUILDING.
- L. FFE = FINISHED FLOOR ELEVATION. 14.38' (EXISTING LIBRARY ELEVATION) IS REPRESENTED AS 0'-0" FOR ARCHITECTURAL BENCHMARK. REFER TO CIVIL.
- M. PROVIDE DETECTABLE WARNINGS AS PER THE ADA GUIDELINES.
- N. TOP OF ROUGH GRADE ALL AROUND BUILDING SHALL BE 19.15' UNLESS NOTED.

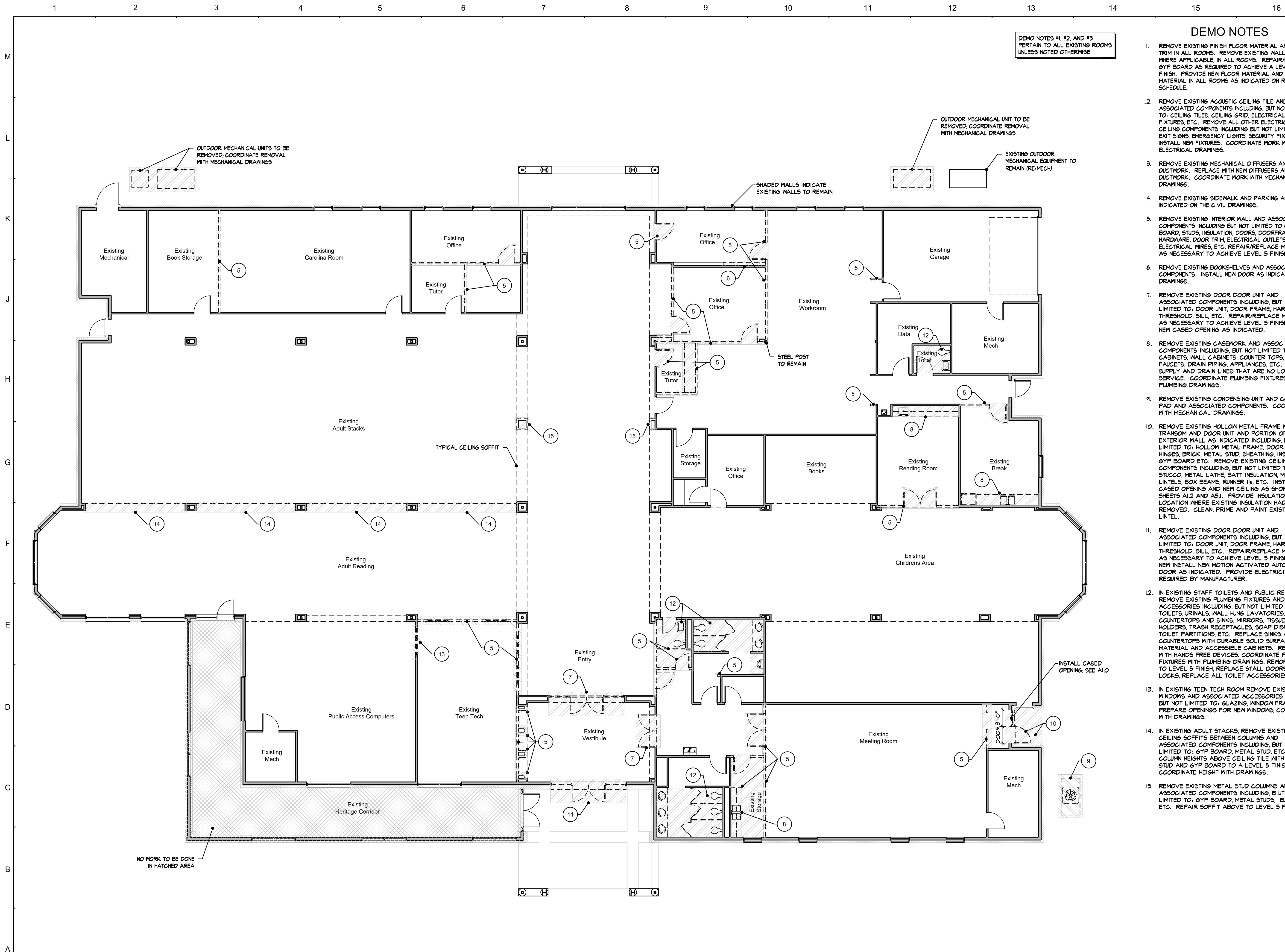
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|---------------------------|------|---|
| ***** BID SET ***** | | <p>TYCH & WALKER ARCHITECTS, LLP</p> <p>38 BLACKGUM ROAD, UNIT B PO BOX 509 PAWLEYS ISLAND, SC 29585 843-659-7151 mwalker@tychwalker.com</p> |
| REVISION | DATE | |

AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS

GEORGETOWN, SOUTH CAROLINA

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| | 03/31/2022 |
| | ARCHITECTURAL SITE PLAN |

SP1.0



DEMO NOTES #1, #2, AND #3 PERTAIN TO ALL EXISTING ROOMS UNLESS NOTED OTHERWISE

DEMO NOTES

1. REMOVE EXISTING FINISH FLOOR MATERIAL AND BASE TRIM IN ALL ROOMS. REMOVE EXISTING WALL COVERING, WHERE APPLICABLE, IN ALL ROOMS. REPAIR/REPLACE GYP BOARD AS REQUIRED TO ACHIEVE A LEVEL 5 FINISH. PROVIDE NEW FLOOR MATERIAL AND BASE MATERIAL IN ALL ROOMS AS INDICATED ON ROOM FINISH SCHEDULE.
2. REMOVE EXISTING ACOUSTIC CEILING TILE AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: CEILING TILES, CEILING GRID, ELECTRICAL LIGHT FIXTURES, ETC. REMOVE ALL OTHER ELECTRICAL CEILING COMPONENTS INCLUDING BUT NOT LIMITED TO: EXIT SIGNS, EMERGENCY LIGHTS, SECURITY FIXTURES, ETC. INSTALL NEW FIXTURES. COORDINATE WORK WITH ELECTRICAL DRAWINGS.
3. REMOVE EXISTING MECHANICAL DIFFUSERS AND DUCTWORK. REPLACE WITH NEW DIFFUSERS AND DUCTWORK. COORDINATE WORK WITH MECHANICAL DRAWINGS.
4. REMOVE EXISTING SIDEWALK AND PARKING AS INDICATED ON THE CIVIL DRAWINGS.
5. REMOVE EXISTING INTERIOR WALL AND ASSOCIATED COMPONENTS INCLUDING BUT NOT LIMITED TO GYP BOARD, STUDS, INSULATION, DOORS, DOORFRAME AND HARDWARE, DOOR TRIM, ELECTRICAL OUTLETS, ELECTRICAL WIRES, ETC. REPAIR/REPLACE MATERIAL AS NECESSARY TO ACHIEVE LEVEL 5 FINISH.
6. REMOVE EXISTING BOOKSHELVES AND ASSOCIATED COMPONENTS. INSTALL NEW DOOR AS INDICATED ON DRAWINGS.
7. REMOVE EXISTING DOOR UNIT AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: DOOR UNIT, DOOR FRAME, HARDWARE, THRESHOLD, SILL, ETC. REPAIR/REPLACE MATERIAL AS NECESSARY TO ACHIEVE LEVEL 5 FINISH. INSTALL NEW CASED OPENING AS INDICATED.
8. REMOVE EXISTING CASEWORK AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: BASE CABINETS, WALL CABINETS, COUNTER TOPS, SINKS, FAUCETS, DRAIN PIPING, APPLIANCES, ETC. CAP OFF SUPPLY AND DRAIN LINES THAT ARE NO LONGER IN SERVICE. COORDINATE PLUMBING FIXTURES WITH PLUMBING DRAWINGS.
9. REMOVE EXISTING CONDENSING UNIT AND CONCRETE PAD AND ASSOCIATED COMPONENTS. COORDINATE WITH MECHANICAL DRAWINGS.
10. REMOVE EXISTING HOLLOW METAL FRAME WITH TRANSOM AND DOOR UNIT AND PORTION OF EXTERIOR WALL AS INDICATED INCLUDING, BUT NOT LIMITED TO: HOLLOW METAL FRAME, DOOR UNIT, HINGES, BRICK, METAL STUD, SHEATHING, INSULATION, GYP BOARD ETC. REMOVE EXISTING CEILING COMPONENTS INCLUDING, BUT NOT LIMITED TO: STUCCO, METAL LATH, BATT INSULATION, METAL STUD LINTELS, BOX BEAMS, RUNNER 1's, ETC. INSTALL NEW CASED OPENINGS AND NEW CEILING AS SHOWN ON SHEETS A1.2 AND A5.1. PROVIDE INSULATION IN LOCATION WHERE EXISTING INSULATION HAD BEEN REMOVED. CLEAN, PRIME AND PAINT EXISTING STEEL LINTEL.
11. REMOVE EXISTING DOOR UNIT AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: DOOR UNIT, DOOR FRAME, HARDWARE, THRESHOLD, SILL, ETC. REPAIR/REPLACE MATERIAL AS NECESSARY TO ACHIEVE LEVEL 5 FINISH. INSTALL NEW MOTION ACTIVATED AUTOMATIC DOOR AS INDICATED. PROVIDE ELECTRICITY AS REQUIRED BY MANUFACTURER.
12. IN EXISTING STAFF TOILETS AND PUBLIC RESTROOMS REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES INCLUDING, BUT NOT LIMITED TO: TOILETS, URINALS, WALL HUNG LAVATORIES, COUNTERTOPS AND SINKS, MIRRORS, TISSUE PAPER HOLDERS, TRASH RECEPTACLES, SOAP DISPENSERS, TOILET PARTITIONS, ETC. REPLACE SINKS AND COUNTERTOPS WITH DURABLE SOLID SURFACE MATERIAL AND ACCESSIBLE CABINETS. REPLACE WITH HANDS FREE DEVICES. COORDINATE PLUMBING FIXTURES WITH PLUMBING DRAWINGS. REWORK WALLS TO LEVEL 5 FINISH. REPLACE STALL DOORS AND LOCKS, REPLACE ALL TOILET ACCESSORIES.
13. IN EXISTING TEEN TECH ROOM REMOVE EXISTING WINDOWS AND ASSOCIATED ACCESSORIES INCLUDING, BUT NOT LIMITED TO: GLAZING, WINDOW FRAME, ETC. PREPARE OPENINGS FOR NEW WINDOWS, COORDINATE WITH DRAWINGS.
14. IN EXISTING ADULT STACKS, REMOVE EXISTING CEILING SOFFITS BETWEEN COLUMNS AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: GYP BOARD, METAL STUD, ETC. EXTEND COLUMN HEIGHTS ABOVE CEILING TILE WITH METAL STUD AND GYP BOARD TO A LEVEL 5 FINISH. COORDINATE HEIGHT WITH DRAWINGS.
15. REMOVE EXISTING METAL STUD COLUMNS AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: GYP BOARD, METAL STUDS, BASE TRIM, ETC. REPAIR SOFFIT ABOVE TO LEVEL 5 FINISH.

GENERAL NOTES

- A. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- B. THE PLAN CUT IS TAKEN AT 4'-6" AFF.
- C. ALL EXTERIOR WALLS ARE EXISTING TO REMAIN. INTERIOR WALLS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
- D. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- E. DO NOT REMOVE ANY STRUCTURAL BEARING WALL WITHOUT BRACING ROOF SYSTEM. DO NOT REMOVE ANY STRUCTURAL COLUMNS.
- F. EXISTING SPACES SHALL BE REPAINTED; COORDINATE WITH FINISH SCHEDULE.
- G. CLEAN EXISTING BRICK SURFACES AT CONNECTION TO ADDITION TO REMOVE ALL STAINS, MOLD, MILDEW, DIRT, ETC. REFER TO SPECIFICATION FOR ACCEPTABLE CLEANING PRODUCTS.

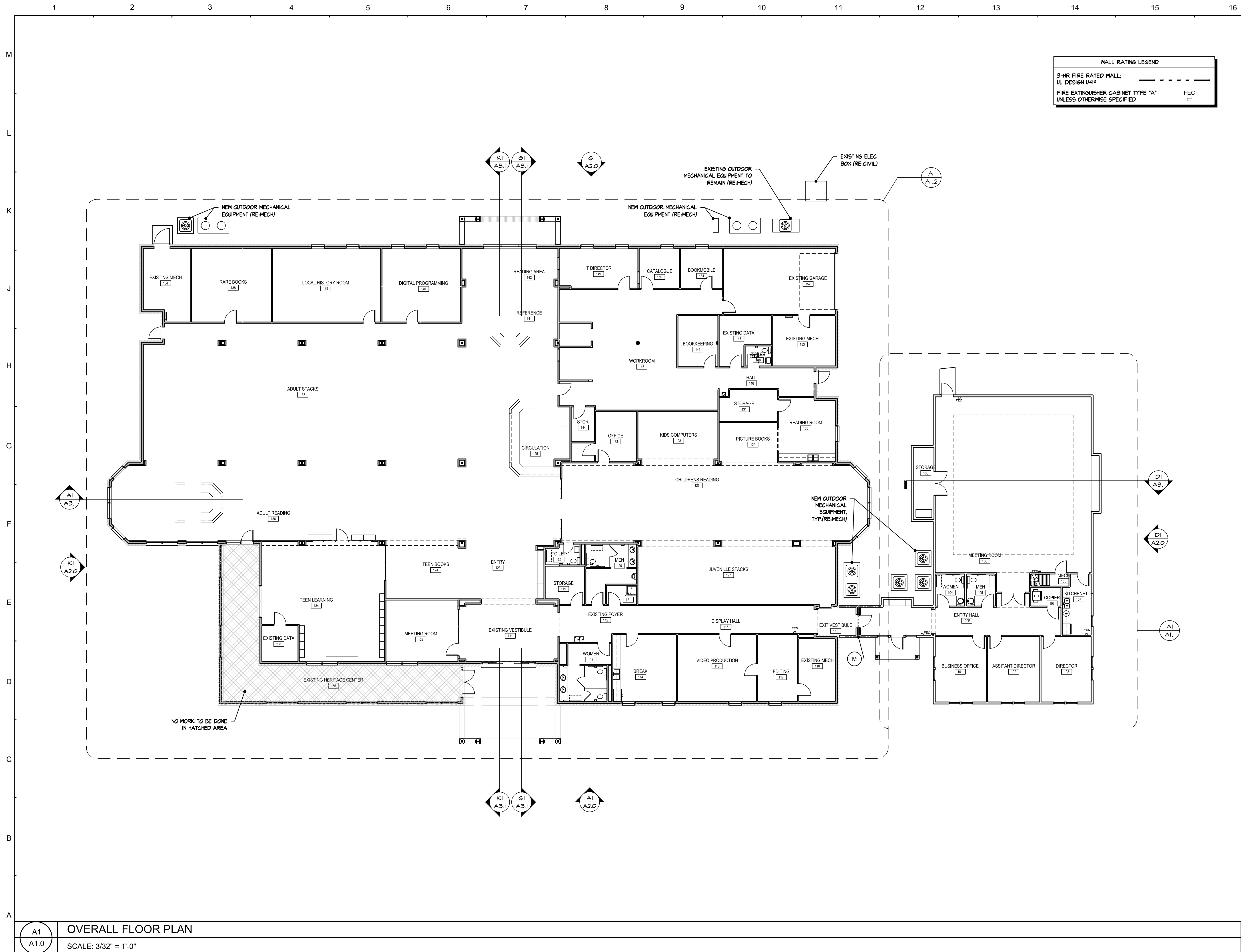
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| REVISION | DATE | |

AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS

GEORGETOWN, SOUTH CAROLINA

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| ***** BID SET ***** | 2018-04 |
| | 03/31/2022 |
| | DEMOLITION PLAN |

AD1.0



GENERAL NOTES

- A. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- B. DIMENSIONS ARE FACE OF METAL STUDS, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
- C. THE PLAN CUT IS TAKEN AT 4'-6" AFF.
- D. PROVIDE BLOCKING AT ALL NEW WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES.
- E. ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ADA FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS.
- F. PROVIDE MINIMUM OF 18" CLEAR ON THE PULL SIDE AND 12" CLEAR ON THE PUSH SIDE OF ALL ACCESSIBLE DOORS.
- G. COORDINATE AND ALIGN STUD FRAMING WITH THE THICKNESS OF FINISH WALL MATERIAL SO THAT THE FINISH WALL IS IN A CONTINUOUS SMOOTH PLANE.
- H. INSULATE ALL PIPE IN UNCONDITIONED SPACES.
- I. INSULATE NEW CEILING; ALL NEW EXTERIOR WALLS, ALL NEW INTERIOR WALLS TO RECEIVE SOUND BATT ATTENUATION.
- J. REFERENCE INTERIOR DETAILS FOR CASEWORK AND SHELVING INFORMATION. REFERENCE THE INTERIOR ELEVATIONS FOR ALL SOFFIT AND CEILING HEIGHTS.
- K. THE TYPICAL LOCATION OF ALL NEW INTERIOR DOORS SHALL BE 6" FROM THE ADJACENT WALL UNLESS OTHERWISE NOTED.
- L. ALL NEW EXTERIOR WALLS SHALL BE 6" METAL STUD. ALL NEW INTERIOR PLUMBING WALLS SHALL BE 6" METAL STUD. ALL OTHER NEW INTERIOR WALLS SHALL BE 3-5/8" METAL STUD.
- M. 3-HOUR FIRE RATED WALL; UL DESIGN U414. SEE SHEET A4.3 FOR DETAILS.

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| | 03/31/2022 |
| | OVERALL FLOOR PLAN |
| | A1.0 |

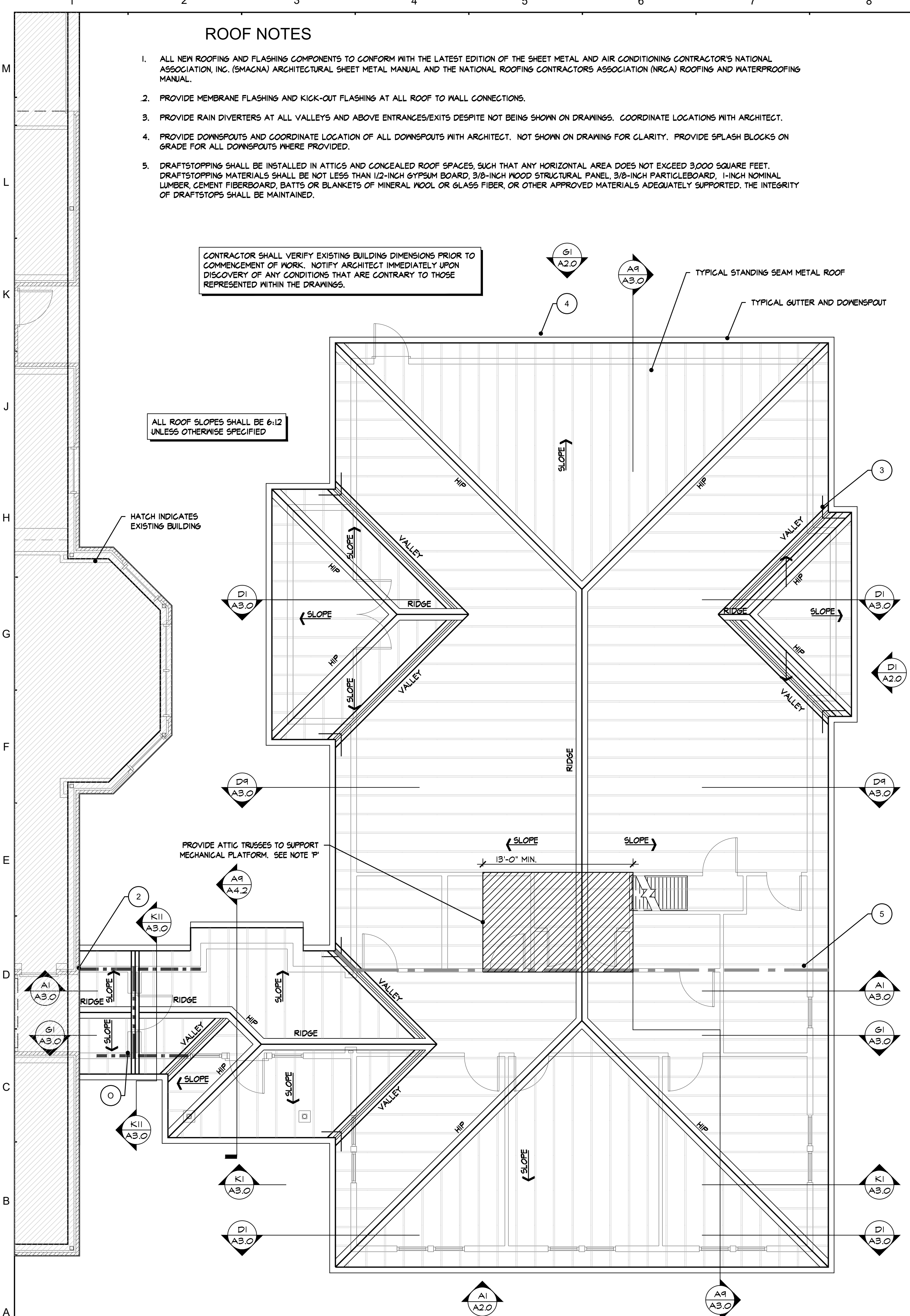
A1
 A1.0
OVERALL FLOOR PLAN
 SCALE: 3/32" = 1'-0"

ROOF NOTES

- ALL NEW ROOFING AND FLASHING COMPONENTS TO CONFORM WITH THE LATEST EDITION OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION, INC. (SMACNA) ARCHITECTURAL SHEET METAL MANUAL AND THE NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) ROOFING AND WATERPROOFING MANUAL.
- PROVIDE MEMBRANE FLASHING AND KICK-OUT FLASHING AT ALL ROOF TO WALL CONNECTIONS.
- PROVIDE RAIN DIVERTERS AT ALL VALLEYS AND ABOVE ENTRANCES/EXITS DESPITE NOT BEING SHOWN ON DRAWINGS. COORDINATE LOCATIONS WITH ARCHITECT.
- PROVIDE DOWNSPOUTS AND COORDINATE LOCATION OF ALL DOWNSPOUTS WITH ARCHITECT. NOT SHOWN ON DRAWING FOR CLARITY. PROVIDE SPLASH BLOCKS ON GRADE FOR ALL DOWNSPOUTS WHERE PROVIDED.
- DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET. DRAFTSTOPPING MATERIALS SHALL BE NOT LESS THAN 1/2-INCH GYPSUM BOARD, 3/8-INCH WOOD STRUCTURAL PANEL, 3/8-INCH PARTICLEBOARD, 1-INCH NOMINAL LUMBER, CEMENT FIBERBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.

CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.

ALL ROOF SLOPES SHALL BE 6:12 UNLESS OTHERWISE SPECIFIED



A1
A1.1
ADDITION ROOF PLAN
SCALE: 3/16" = 1'-0"

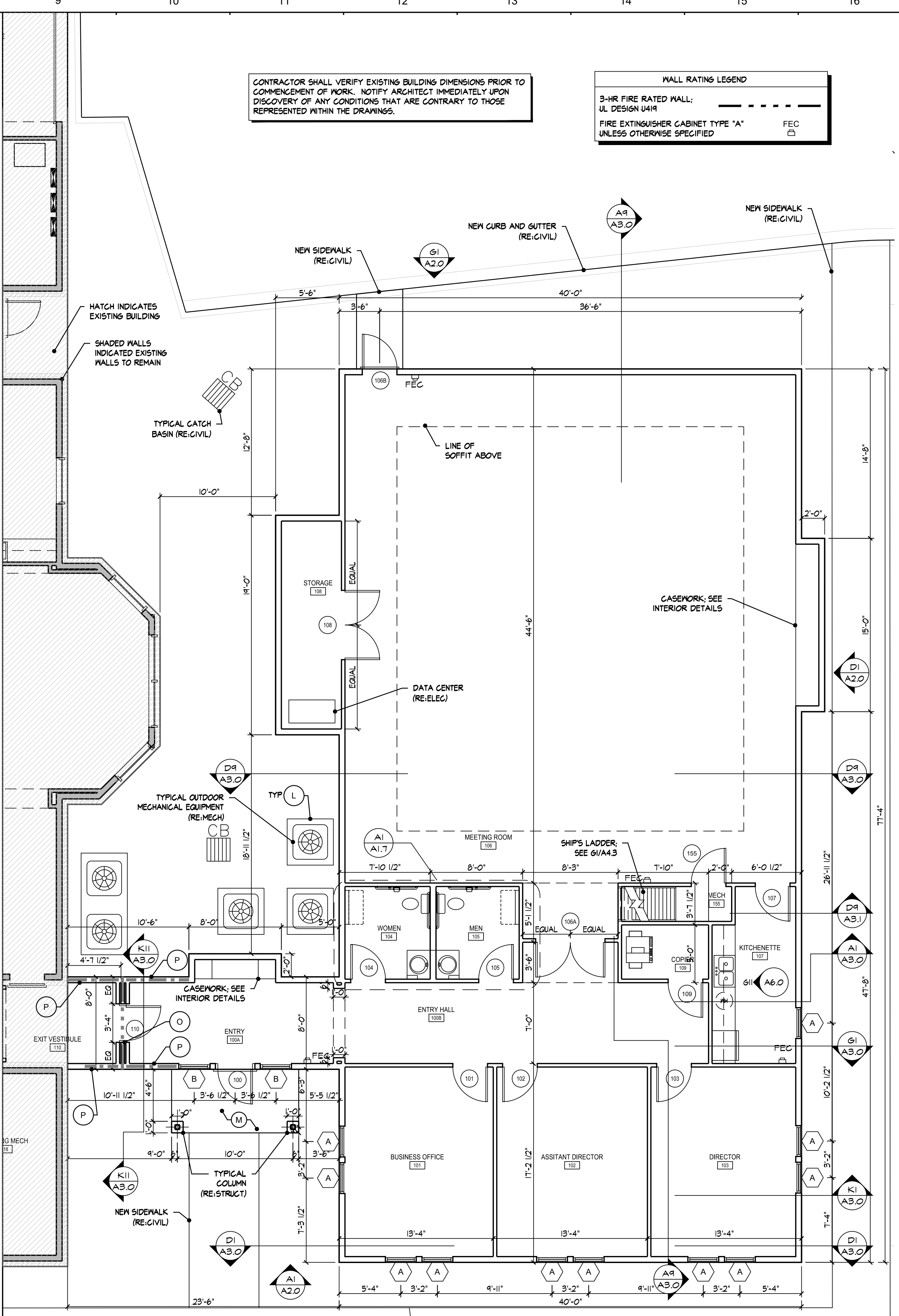
GENERAL NOTES

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- DIMENSIONS ARE FACE OF METAL STUDS, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
- THE PLAN CUT IS TAKEN AT 4'-6" AFF.
- PROVIDE BLOCKING AT ALL NEW WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES.
- ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ADA FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS.
- PROVIDE MINIMUM OF 18" CLEAR ON THE PULL SIDE AND 12" CLEAR ON THE PUSH SIDE OF ALL ACCESSIBLE DOORS.
- COORDINATE AND ALIGN STUD FRAMING WITH THE THICKNESS OF FINISH WALL MATERIAL SO THAT THE FINISH WALL IS IN A CONTINUOUS SMOOTH PLANE.
- INSULATE ALL PIPE IN UNCONDITIONED SPACES.
- INSULATE NEW CEILINGS; ALL NEW EXTERIOR WALLS. ALL NEW INTERIOR WALLS TO RECEIVE SOUND BATT ATTENUATION.
- REFERENCE INTERIOR DETAILS FOR CASEWORK AND SHELVING INFORMATION. REFERENCE THE INTERIOR ELEVATIONS FOR ALL SOFFIT AND CEILING HEIGHTS.
- THE TYPICAL LOCATION OF ALL NEW INTERIOR DOORS SHALL BE 6" FROM THE ADJACENT WALL UNLESS OTHERWISE NOTED.
- PROVIDE 4" CONCRETE PADS W/WWW ON COMPACTED SOIL FOR ALL NEW AND RELOCATED MECHANICAL OUTDOOR UNITS. THE PADS SHOULD EXTEND 6" BEYOND THE EACH EDGE OF THE OVERALL CONFIGURATION. THE PAD SHALL BE 12" MIN. OFF THE EDGE OF THE BUILDING.
- SLOPE NEW EXTERIOR CONCRETE SLABS 1/8" PER FOOT AWAY FROM BUILDING. PROVIDE MIN. 36" DEEP LANDING ACROSS DOOR WIDTH WITH SLOPE NO GREATER THAN 1:48. PROVIDE LIGHT BROOM FINISH WITH 2-1/2" HAND FINISHED EDGE AT ALL JOINTS AND EDGES.
- ALL NEW EXTERIOR WALLS SHALL BE 6" METAL STUD. ALL NEW INTERIOR PLUMBING WALLS SHALL BE 6" METAL STUD. ALL OTHER NEW INTERIOR WALLS SHALL BE 3-5/8" METAL STUD.
- 3-HOUR FIRE RATED WALL; UL DESIGN U419. SEE SHEET A4.3 FOR DETAILS.
- THE EXTERIOR WALL PERPENDICULAR TO THE FIRE WALL SHALL HAVE A FIRE-RESISTANCE RATINGS OF NOT LESS THAN 4 FEET ON BOTH SIDES OF THE FIRE WALL; UL DESIGN UL-356 (STEEL STUDS SUBSTITUTED FOR WOOD STUDS). SEE SHEET A4.3.
- MECHANICAL PLATFORMS SHALL BE 3/4" T&G PLYWOOD GLUED AND NAIL TO THE TOP OF THE ATTIC TRUSSES (RE-STRUCT). PROVIDE 2X4 TOE-KICK, 2X4 MIDDLE RAIL @ 2'-0" AFF. AND 2X4 TOP RAIL @ 3'-6" AFF. PROVIDE AT EDGES OF PLATFORM EXPOSED TO ATTIC TRUSSES.

WALL RATINGS LEGEND

| | |
|---|-----|
| 3-HR FIRE RATED WALL; UL DESIGN U419 | --- |
| FIRE EXTINGUISHER CABINET TYPE "A" UNLESS OTHERWISE SPECIFIED | FEC |

CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.



A9
A1.1
ADDITION FLOOR PLAN
SCALE: 3/16" = 1'-0"

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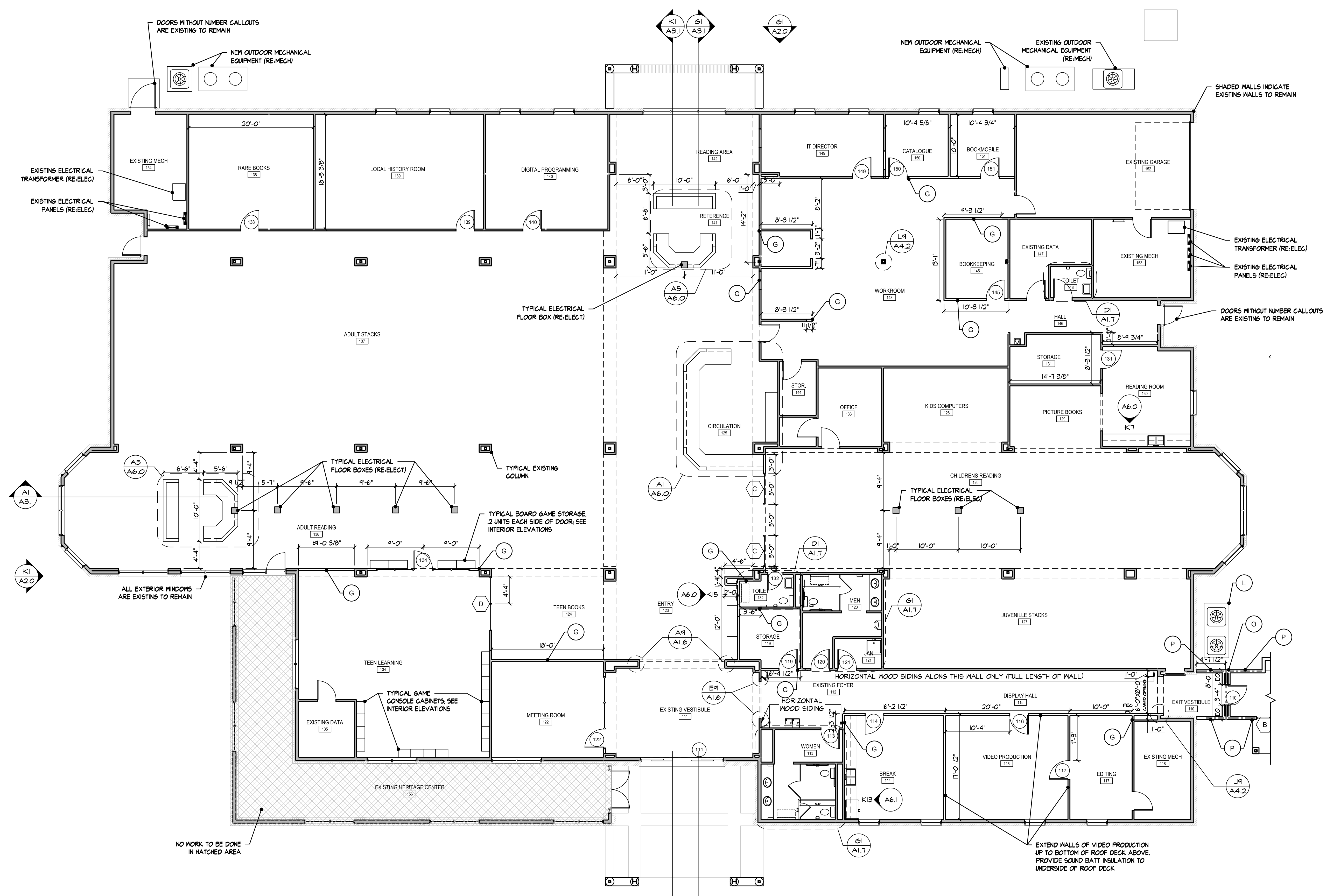
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ADDITION FLOOR PLAN AND ROOF PLAN
A1.1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

M
L
K
J
H
G
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D
C
B
A

CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.



GENERAL NOTES

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- B. DIMENSIONS ARE FACE OF METAL STUDS, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
- C. THE PLAN CUT IS TAKEN AT 4'-6" AFF.
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- E. ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ADA FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS.
- F. PROVIDE MINIMUM OF 18" CLEAR ON THE PULL SIDE AND 12" CLEAR ON THE PUSH SIDE OF ALL ACCESSIBLE DOORS.
- G. COORDINATE AND ALIGN STUD FRAMING WITH THE THICKNESS OF FINISH WALL MATERIAL SO THAT THE FINISH WALL IS IN A CONTINUOUS SMOOTH PLANE.
- H. INSULATE ALL PIPE IN UNCONDITIONED SPACES.
- I. INSULATE NEW CEILING; ALL NEW EXTERIOR WALLS. ALL NEW INTERIOR WALLS TO RECEIVE SOUND BATT ATTENUATION.
- J. REFERENCE INTERIOR DETAILS FOR CASEWORK AND SHELVING INFORMATION. REFERENCE THE INTERIOR ELEVATIONS FOR ALL SOFFIT AND CEILING HEIGHTS.
- K. THE TYPICAL LOCATION OF ALL NEW INTERIOR DOORS SHALL BE 6" FROM THE ADJACENT WALL UNLESS OTHERWISE NOTED.
- L. PROVIDE 4" CONCRETE PADS W/WWW ON COMPACTED SOIL FOR ALL NEW AND RELOCATED MECHANICAL OUTDOOR UNITS. THE PADS SHOULD EXTEND 6" BEYOND THE EACH EDGE OF THE OVERALL CONFIGURATION. THE PAD SHALL BE 12" MIN. OFF THE EDGE OF THE BUILDING.
- M. SLOPE NEW EXTERIOR CONCRETE SLABS 1/8" PER FOOT AWAY FROM BUILDING. PROVIDE MIN. 36" DEEP LANDING ACROSS DOOR WIDTH WITH SLOPE NO GREATER THAN 1:48. PROVIDE LIGHT BROOM FINISH WITH 2-1/2" HAND FINISHED EDGE AT ALL JOINTS AND EDGES.
- N. ALL NEW EXTERIOR WALLS SHALL BE 6" METAL STUD. ALL NEW INTERIOR PLUMBING WALLS SHALL BE 6" METAL STUD. ALL OTHER NEW INTERIOR WALLS SHALL BE 3-5/8" METAL STUD.
- O. 3-HOUR FIRE RATED WALL; UL DESIGN UL-4419. SEE SHEET A4.3 FOR DETAILS.
- P. THE EXTERIOR WALL PERPENDICULAR TO THE FIRE WALL SHALL HAVE A FIRE-RESISTANCE RATINGS OF NOT LESS THAN 1-HOUR FOR A HORIZONTAL DISTANCE OF NOT LESS THAN 4 FEET ON BOTH SIDES OF THE FIRE WALL; UL DESIGN UL-356 (STEEL STUDS SUBSTITUTED FOR WOOD STUDS). SEE SHEET A4.3.

BID SET

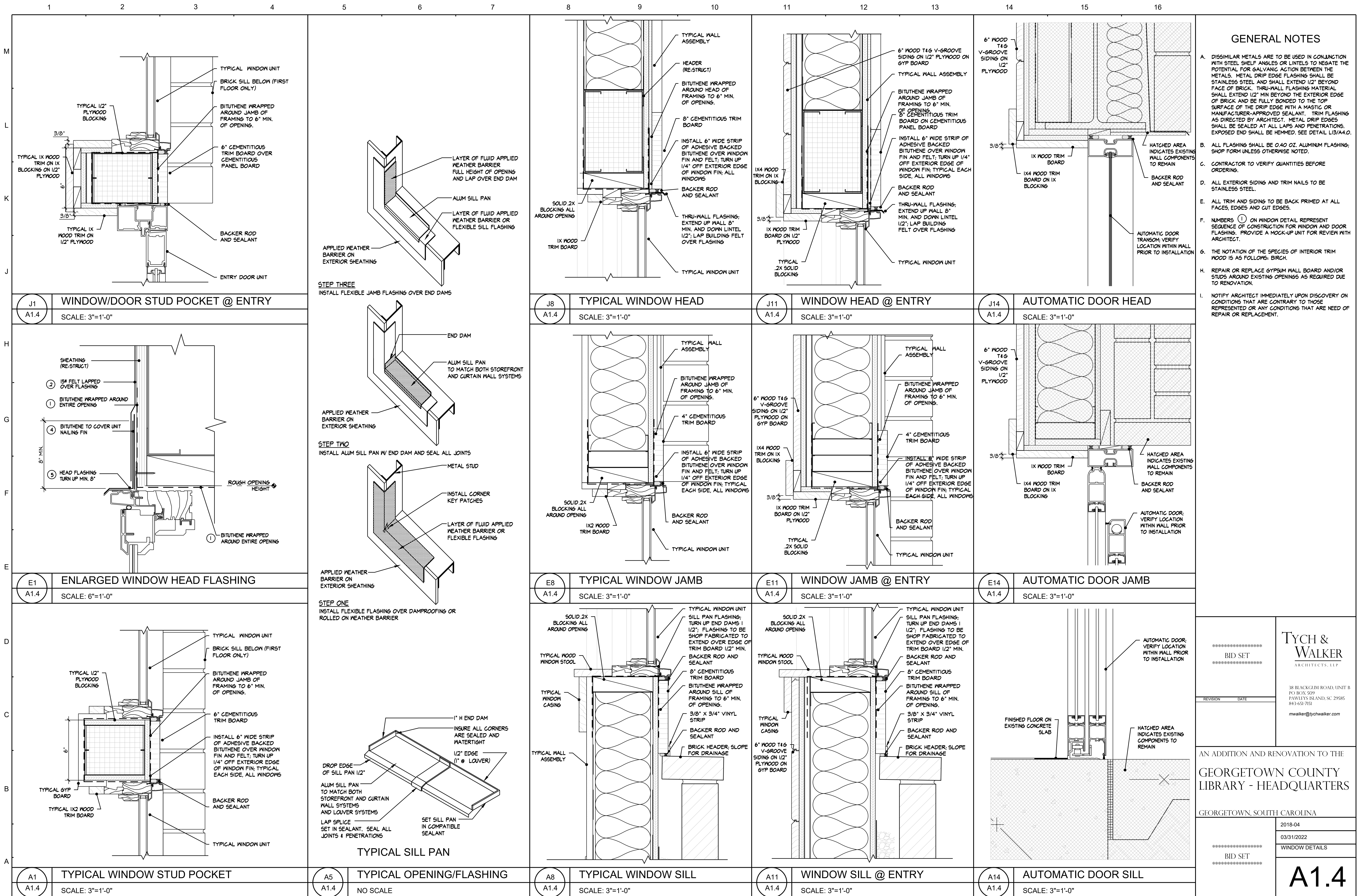
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 mwalker@tychwalker.com

AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS

GEORGETOWN, SOUTH CAROLINA

| | |
|---------------------------|--|
| ***** BID SET ***** | 2018-04 03/31/2022 RENOVATION PLAN |
|---------------------------|--|



GENERAL NOTES

- A. DISSIMILAR METALS ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LINTELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS. METAL DRIP EDGE FLASHING SHALL BE STAINLESS STEEL AND SHALL EXTEND 1/2" BEYOND FACE OF BRICK. THRU-WALL FLASHING MATERIAL SHALL EXTEND 1/2" MIN BEYOND THE EXTERIOR EDGE OF BRICK AND BE FULLY BONDED TO THE TOP SURFACE OF THE DRIP EDGE WITH A MASTIC OR MANUFACTURER-APPROVED SEALANT. TRIM FLASHING AS DIRECTED BY ARCHITECT. METAL DRIP EDGES SHALL BE SEALED AT ALL LAPS AND PENETRATIONS. EXPOSED END SHALL BE HEMMED. SEE DETAIL L13/A4.0.
- B. ALL FLASHING SHALL BE 0.40 OZ. ALUMINUM FLASHING; SHOP FORM UNLESS OTHERWISE NOTED.
- C. CONTRACTOR TO VERIFY QUANTITIES BEFORE ORDERING.
- D. ALL EXTERIOR SIDING AND TRIM NAILS TO BE STAINLESS STEEL.
- E. ALL TRIM AND SIDING TO BE BACK PRIMED AT ALL FACES, EDGES AND CUT EDGES.
- F. NUMBERS ① ON WINDOW DETAIL REPRESENT SEQUENCE OF CONSTRUCTION FOR WINDOW AND DOOR FLASHING. PROVIDE A MOCK-UP UNIT FOR REVIEW WITH ARCHITECT.
- G. THE NOTATION OF THE SPECIES OF INTERIOR TRIM WOOD IS AS FOLLOWS: BIRCH.
- H. REPAIR OR REPLACE GYPSUM WALL BOARD AND/OR STUDS AROUND EXISTING OPENINGS AS REQUIRED DUE TO RENOVATION.
- I. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY ON CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED OR ANY CONDITIONS THAT ARE NEED OF REPAIR OR REPLACEMENT.

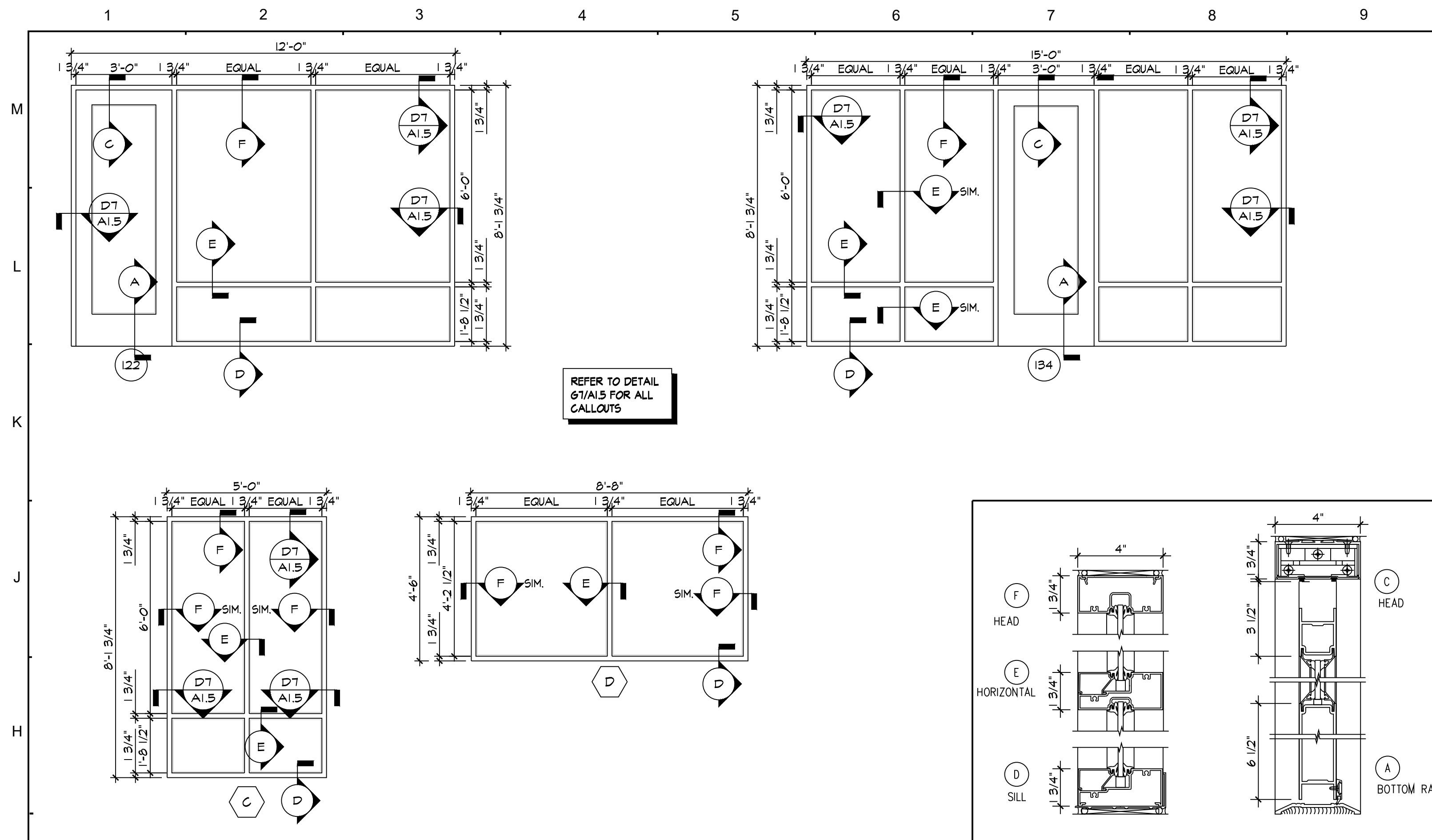
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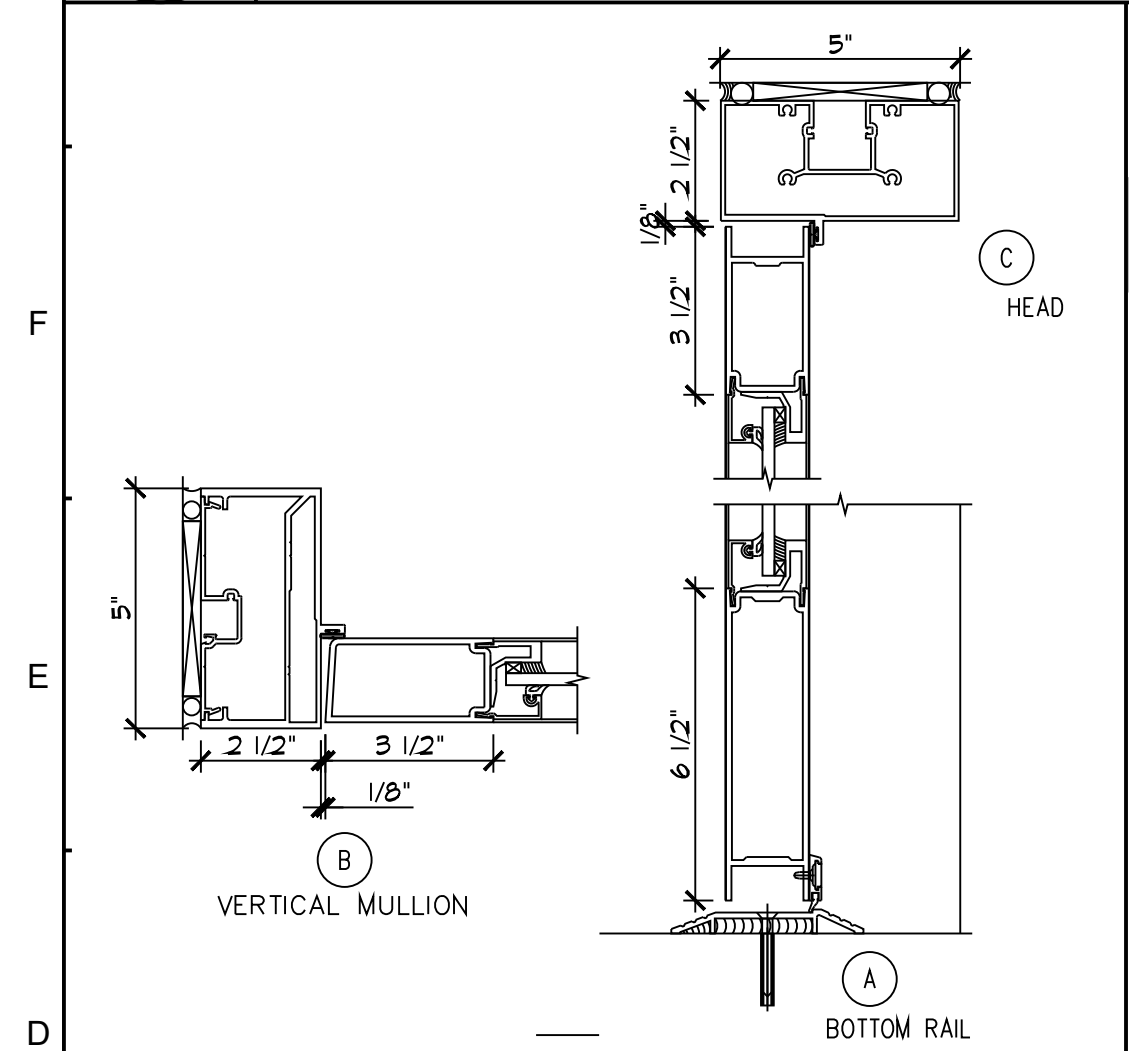
2018-04
03/31/2022
WINDOW DETAILS

A1.4



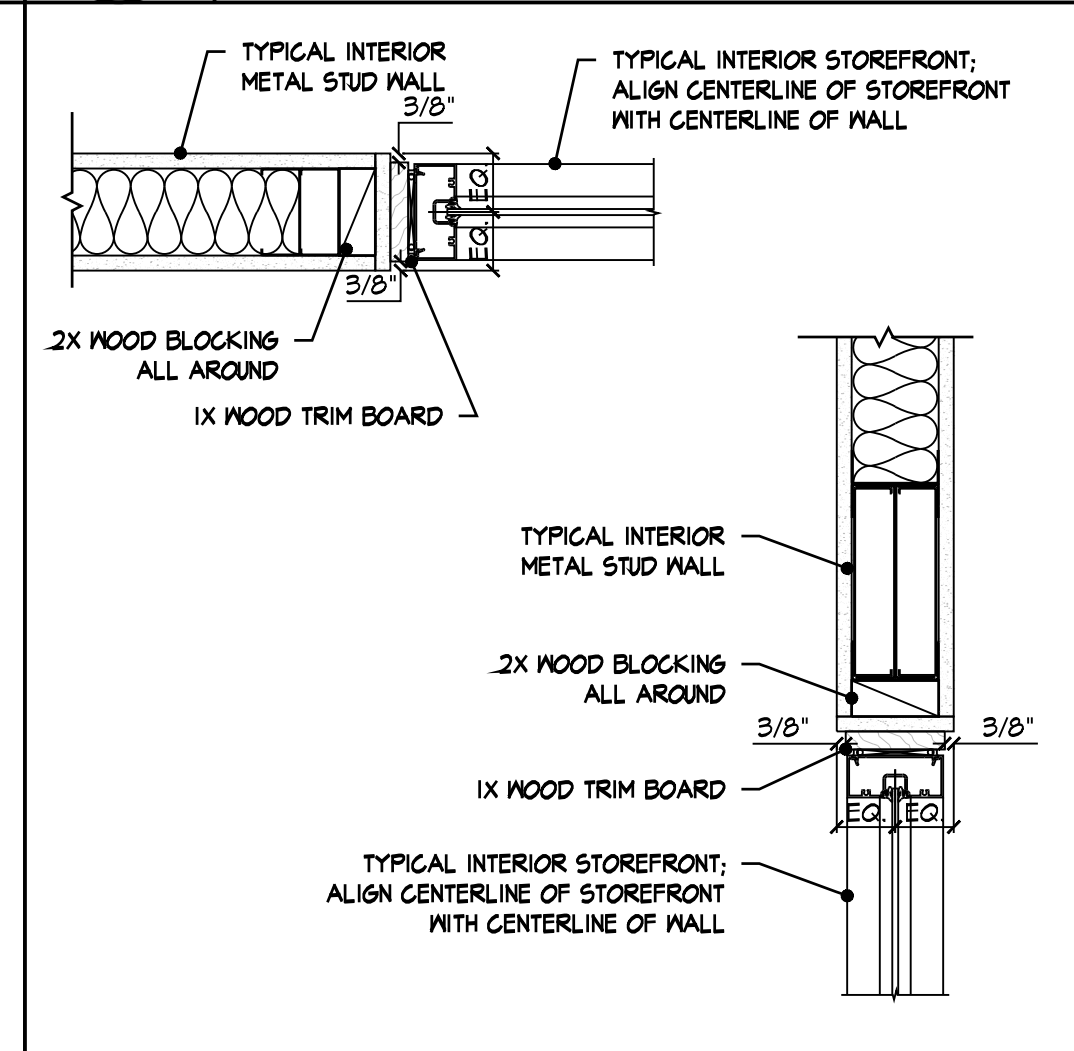
G1 INTERIOR STOREFRONT DETAILS
SCALE: 3/8" = 1'-0"

G7 INTERIOR STOREFRONT DETAILS
NO SCALE

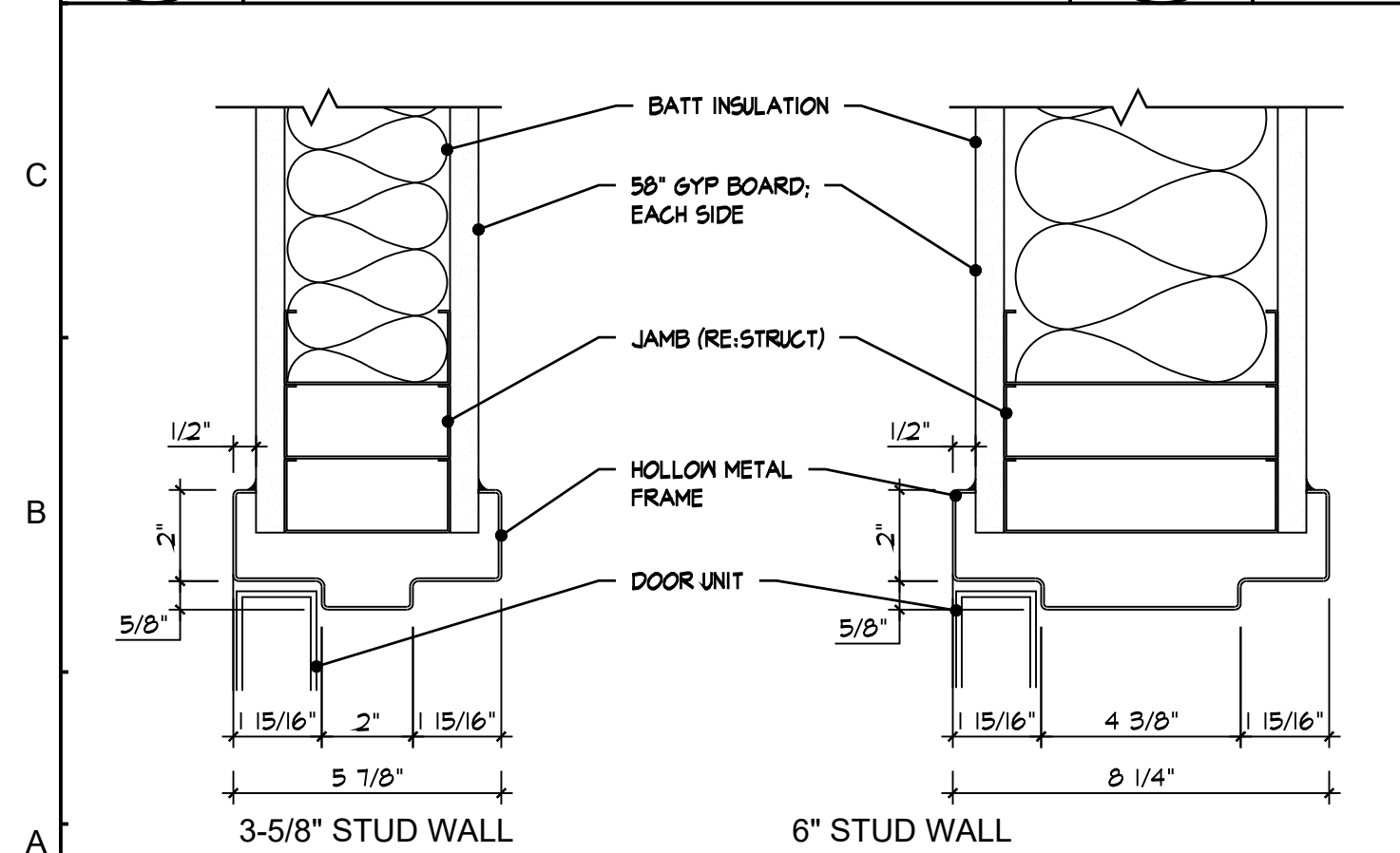


D1 EXTERIOR STOREFRONT DETAILS
NO SCALE

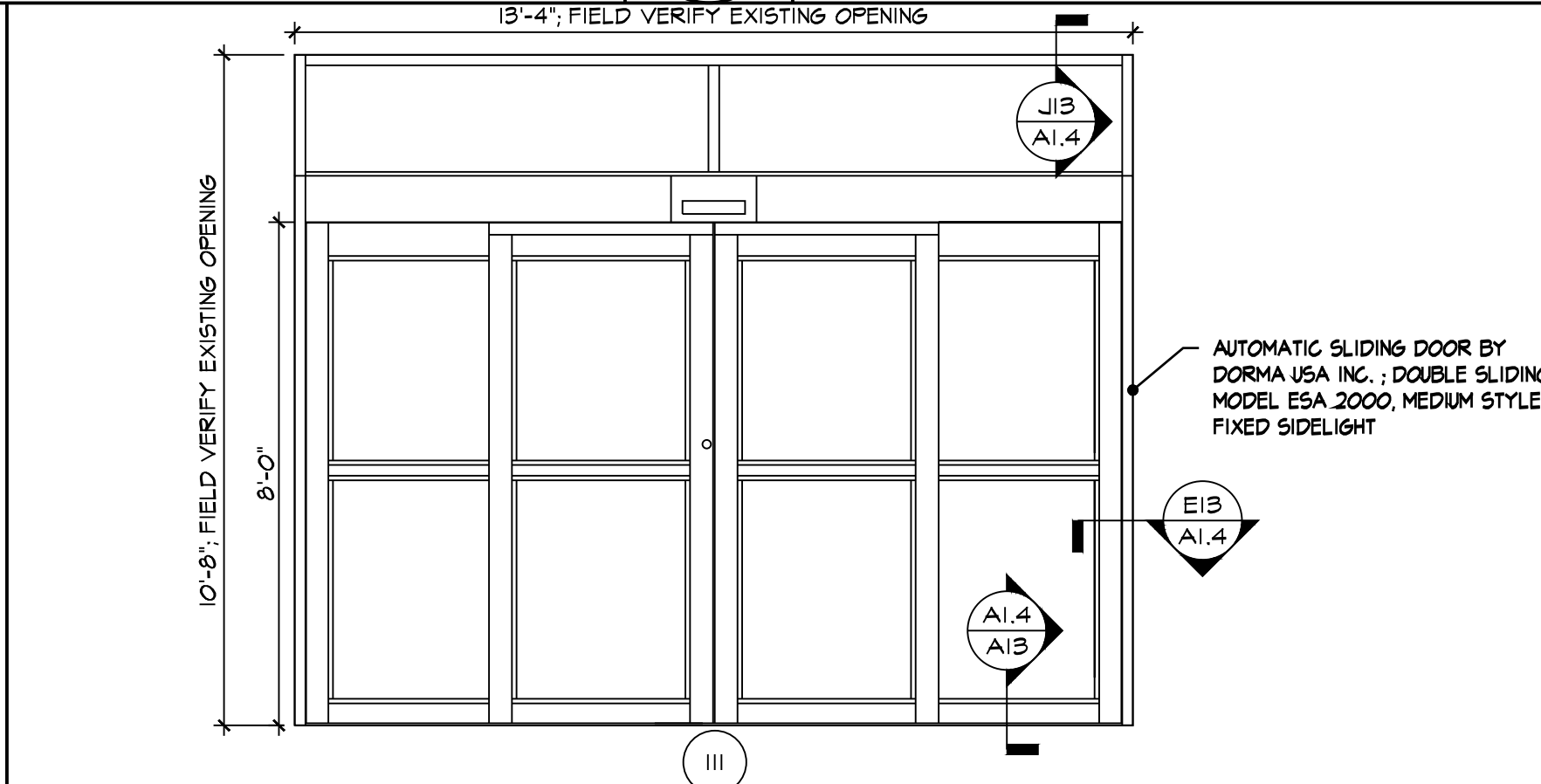
D4 DOOR 100 ELEVATION
SCALE: 3/8" = 1'-0"



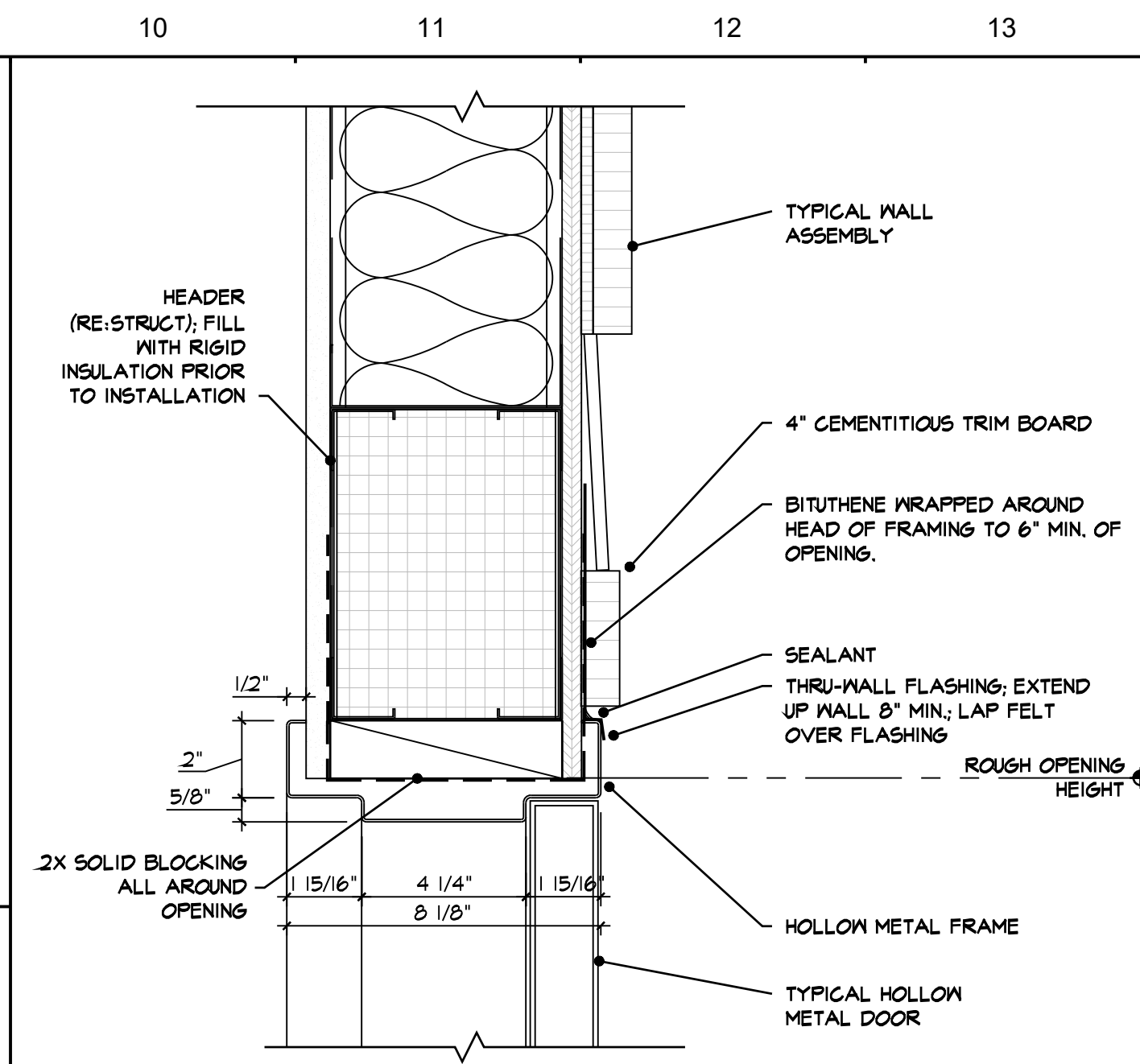
D7 STOREFRONT WALL CONNECTION
SCALE: 3/8" = 1'-0"



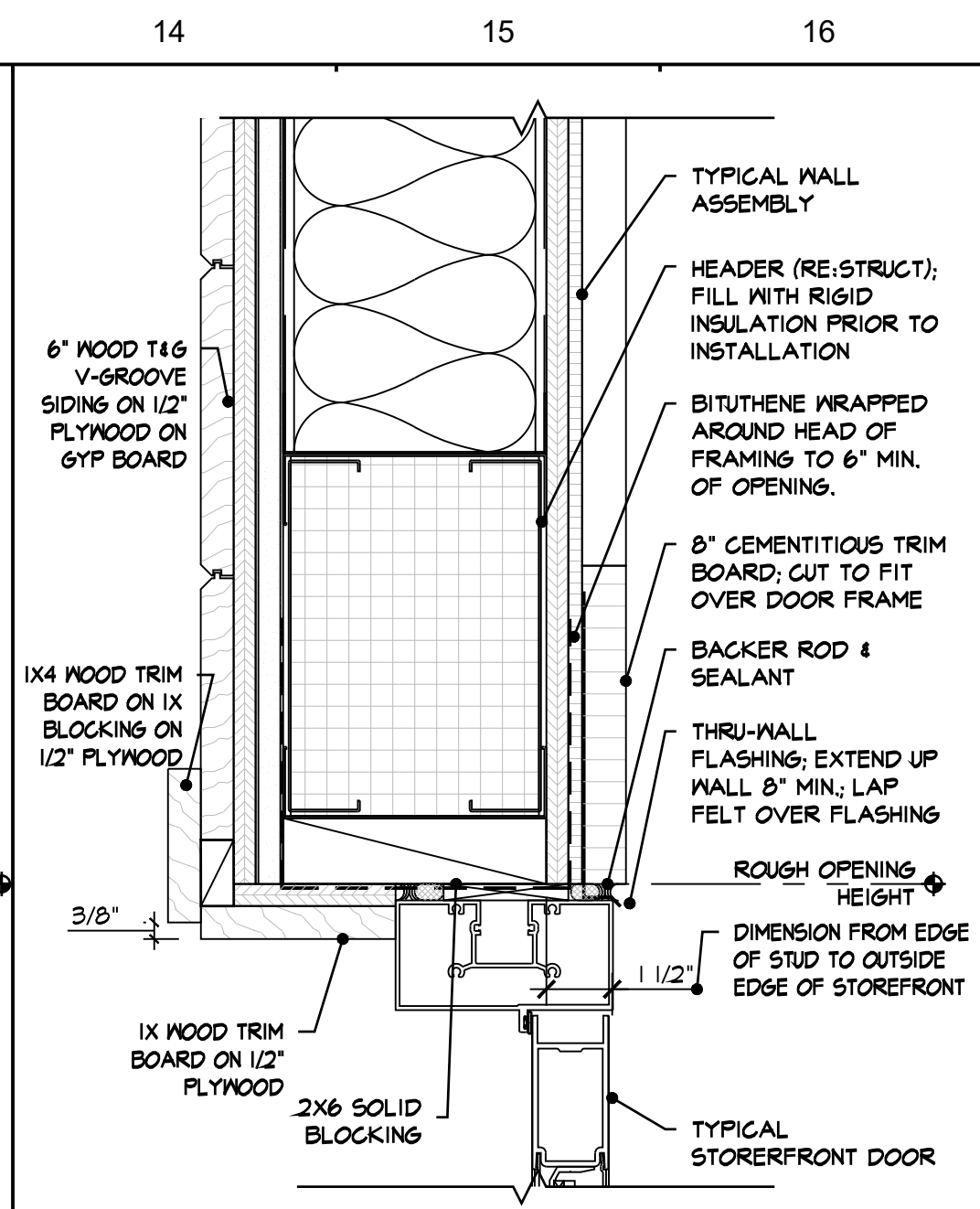
A1 INTERIOR DOOR JAMB DETAIL (HEAD SIM)
SCALE: 3" = 1'-0"



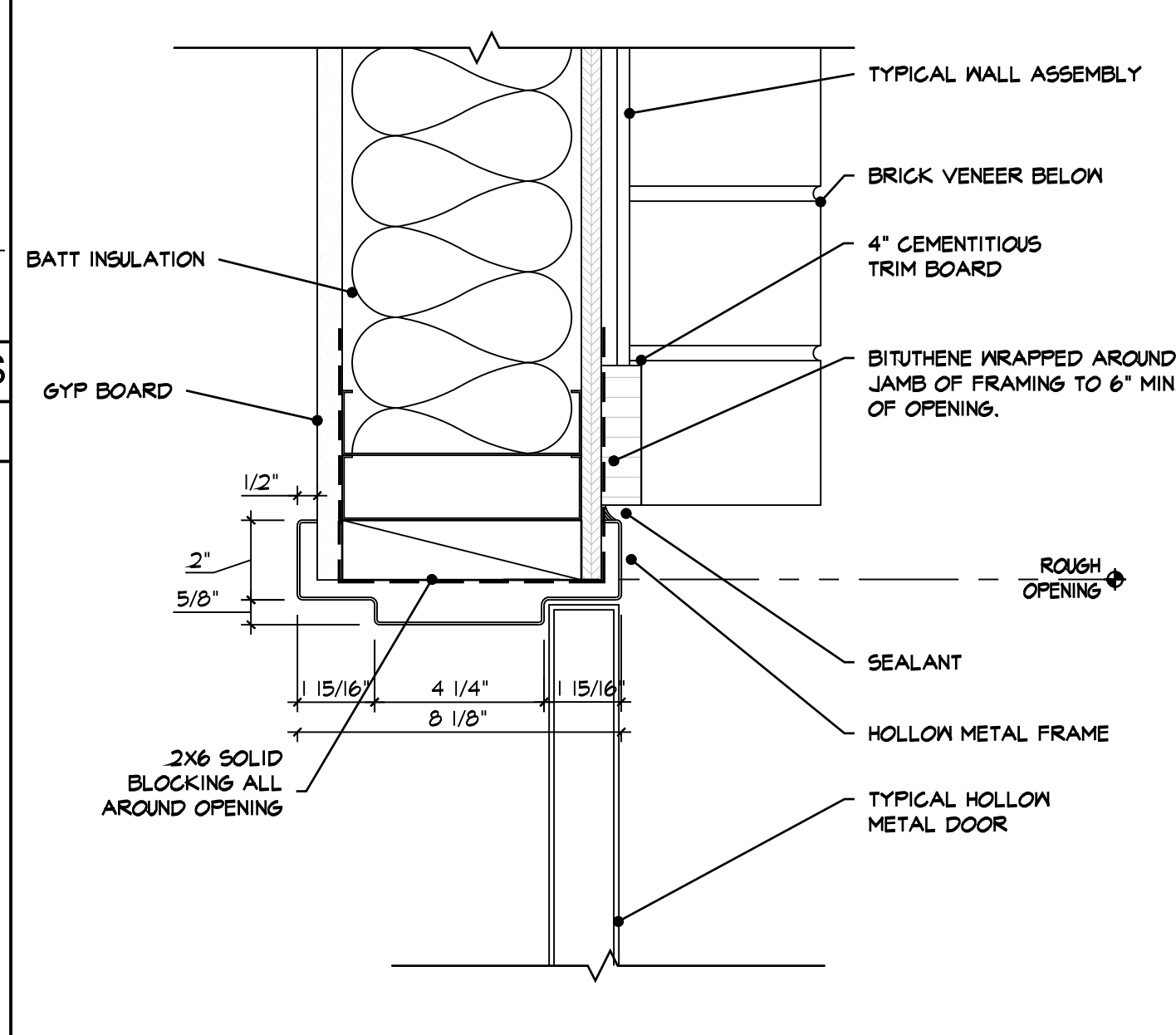
A5 AUTOMATIC DOOR ELEVATION
SCALE: 3/8" = 1'-0"



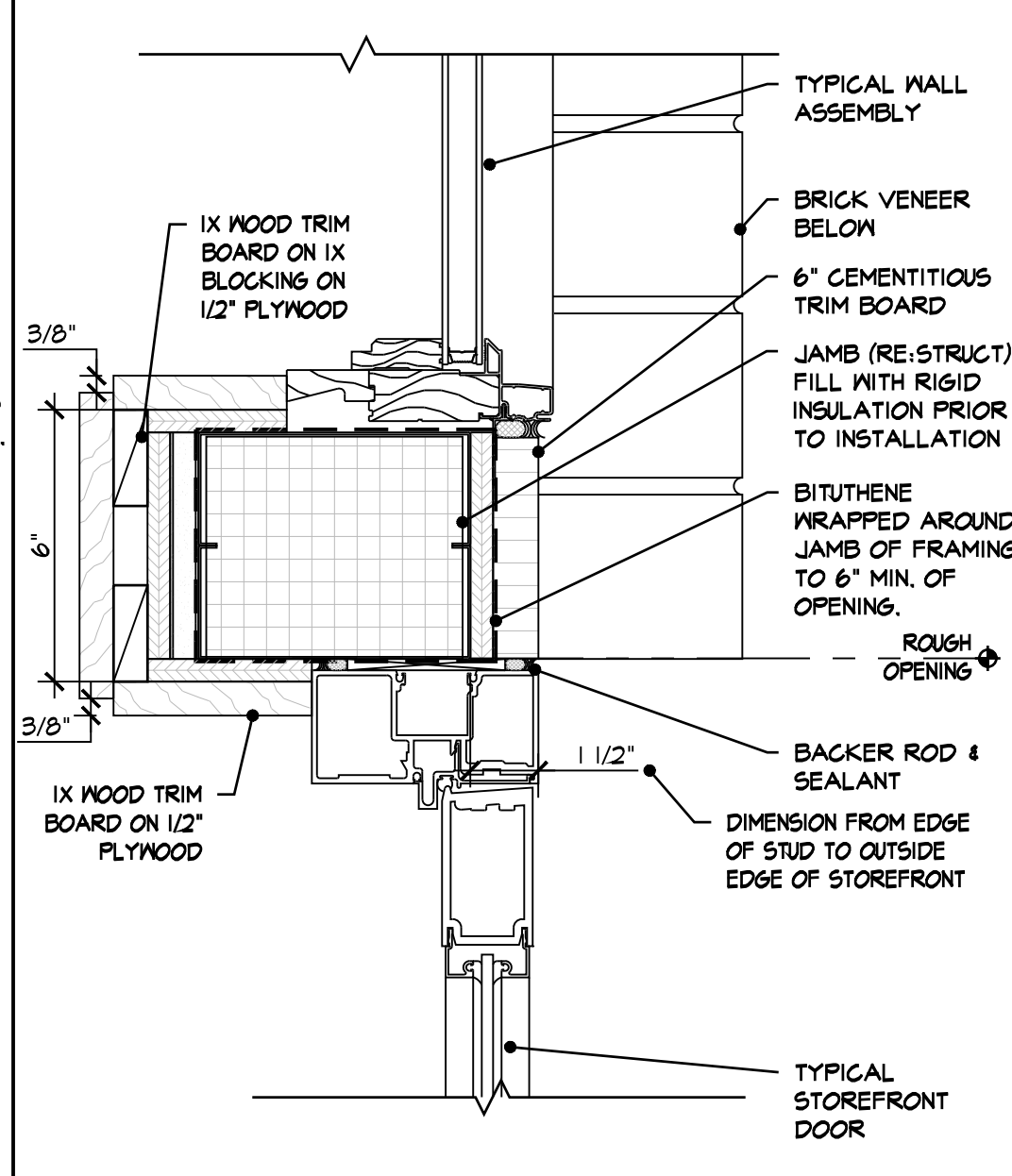
J10 TYPICAL HOLLOW METAL DOOR HEAD
SCALE: 3" = 1'-0"



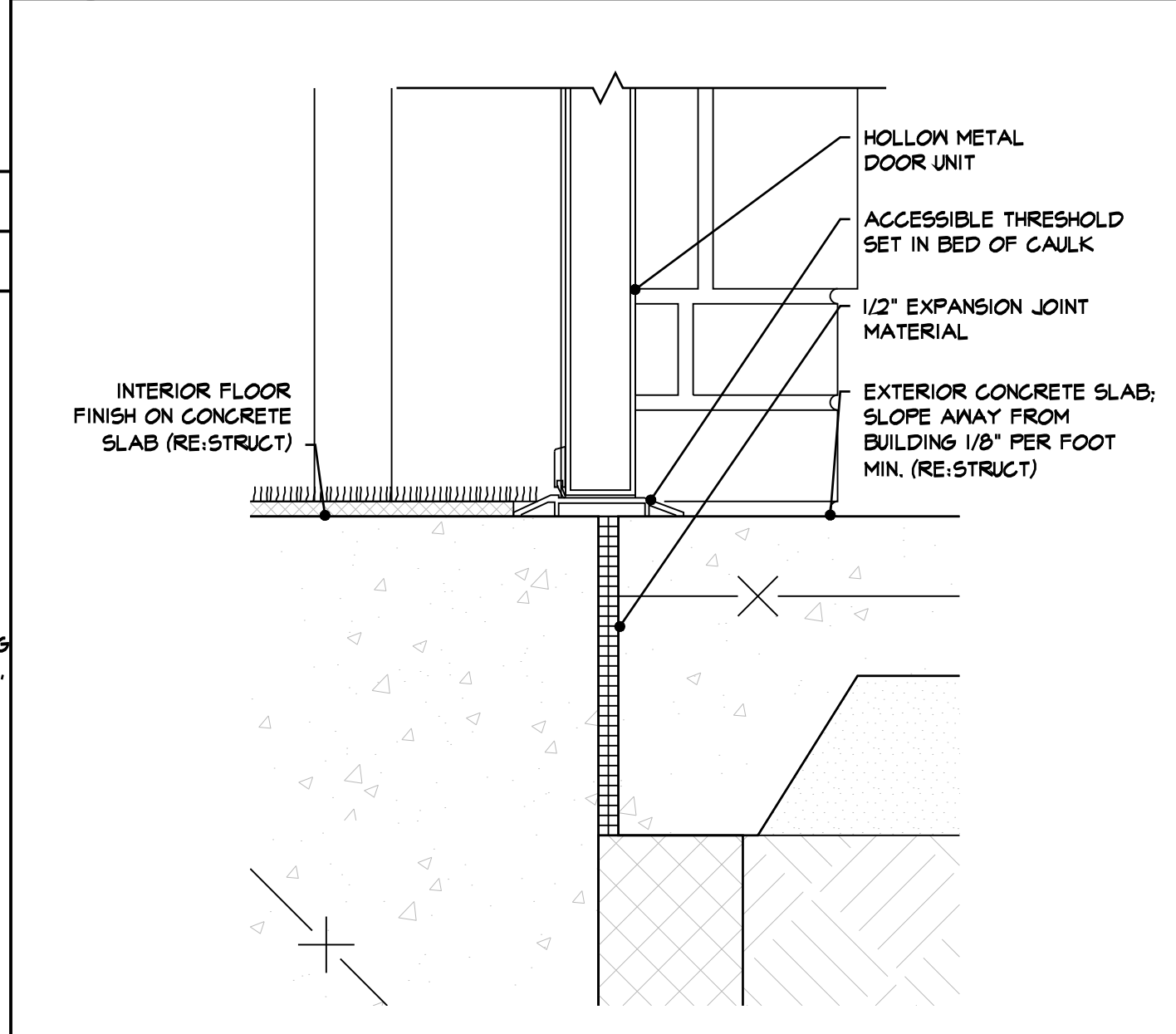
J14 STOREFRONT DOOR HEAD
SCALE: 3" = 1'-0"



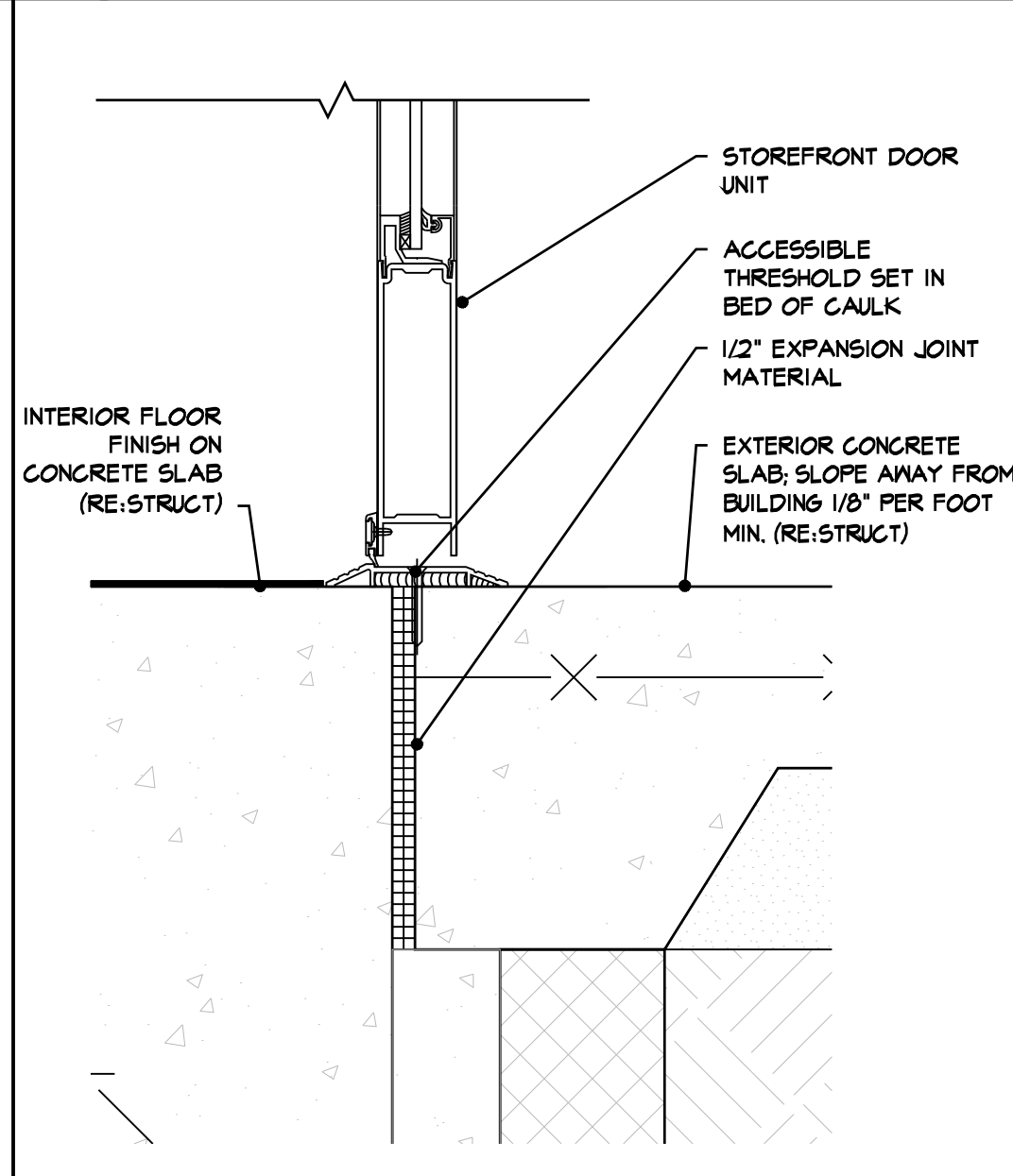
E10 EXTERIOR HOLLOW METAL DOOR JAMB
SCALE: 3" = 1'-0"



E14 STOREFRONT DOOR JAMB
SCALE: 3" = 1'-0"



A10 EXTERIOR HOLLOW METAL DOOR SILL
SCALE: 3" = 1'-0"



A14 STOREFRONT DOOR SILL
SCALE: 3" = 1'-0"

GENERAL NOTES

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- CONTRACTOR TO VERIFY QUANTITIES BEFORE ORDERING.

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REVISION DATE

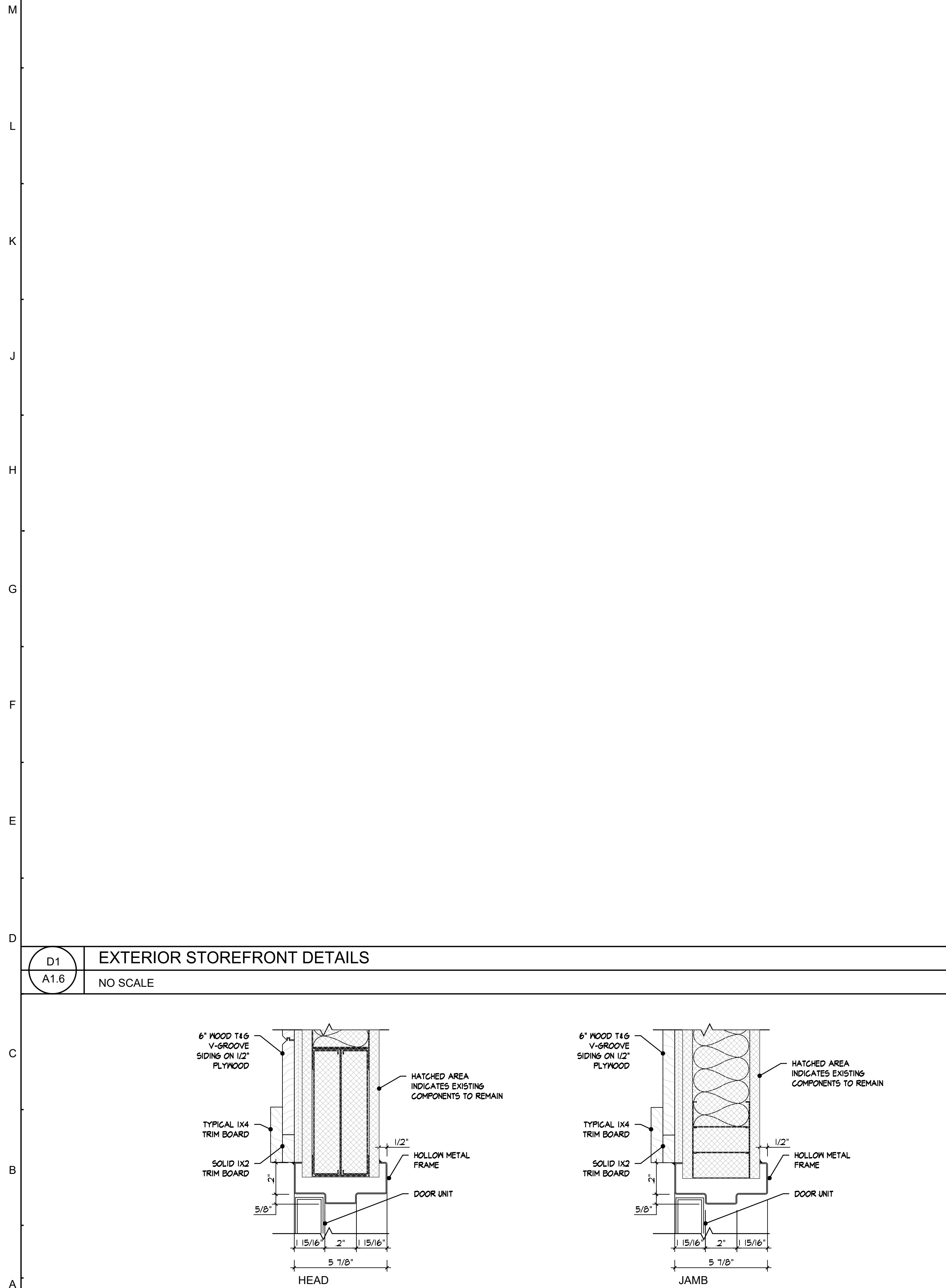
AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS
GEORGETOWN, SOUTH CAROLINA

2018-04
03/31/2022
DOOR DETAILS

BID SET

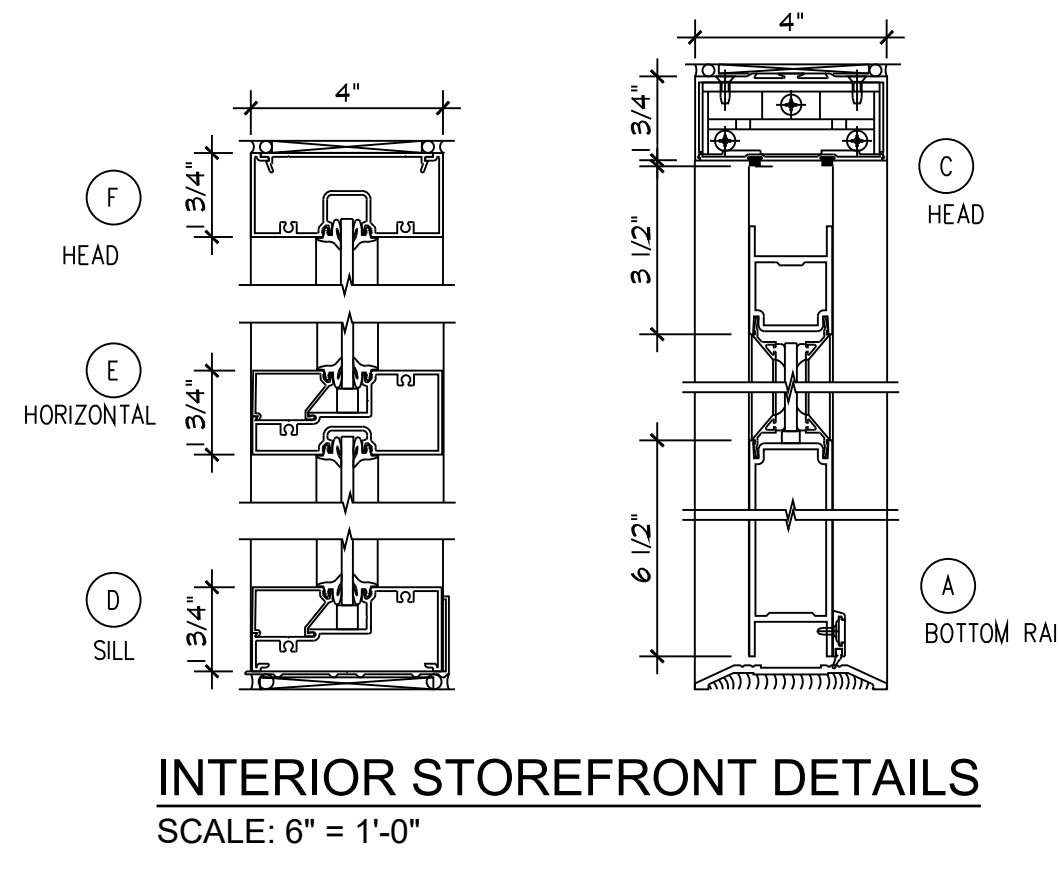
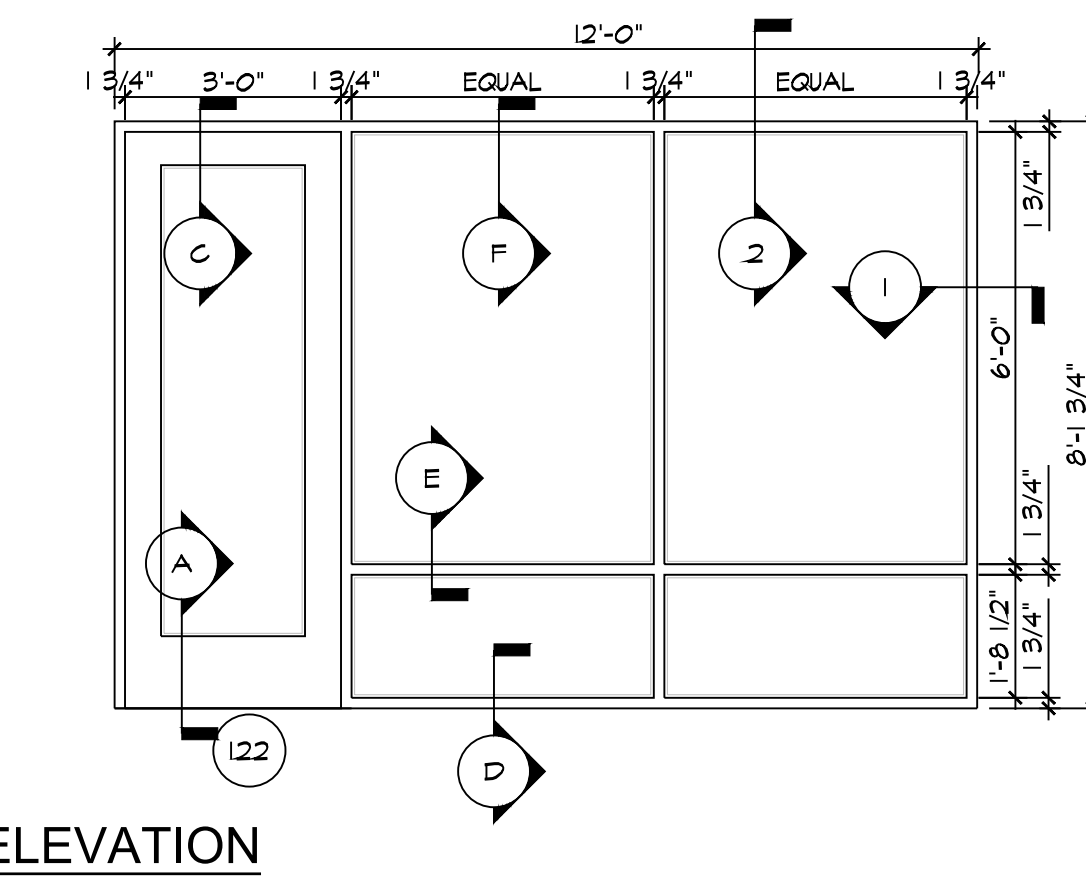
A1.5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



JAMB DETAIL '1'
SCALE: 1 1/2" = 1'-0"

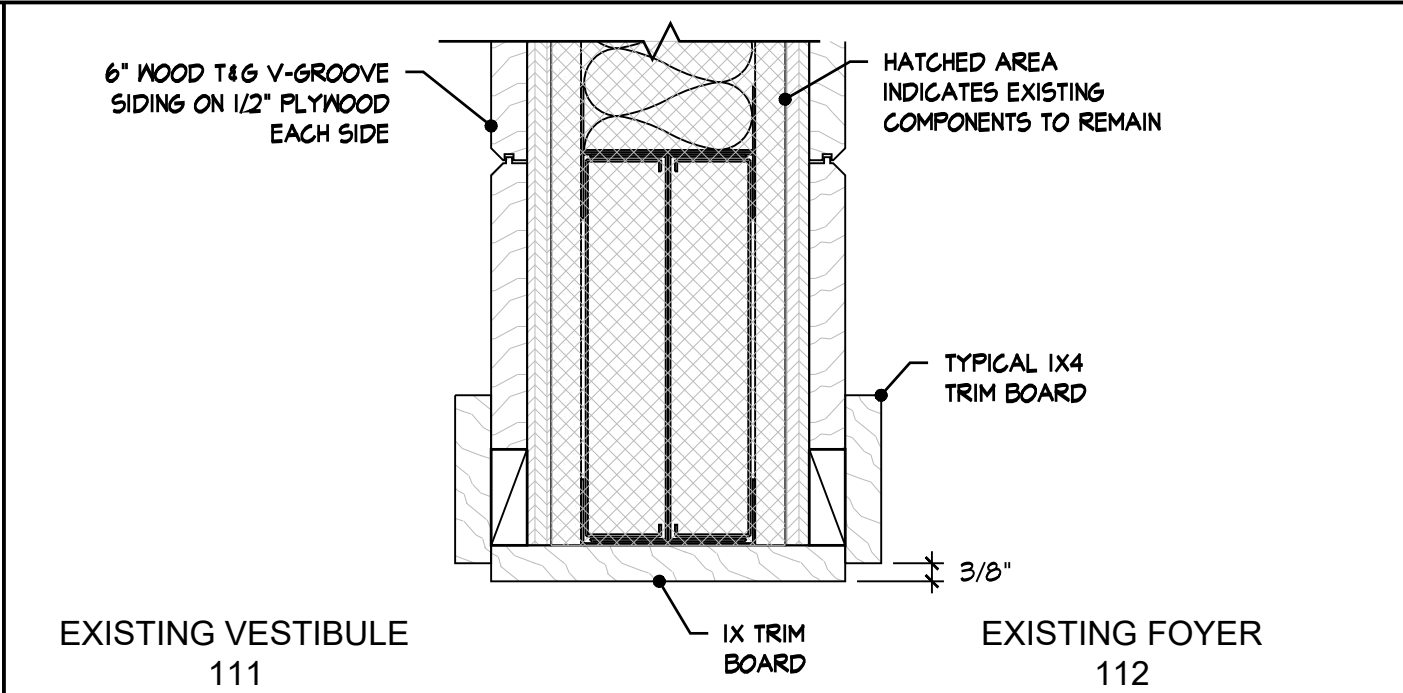
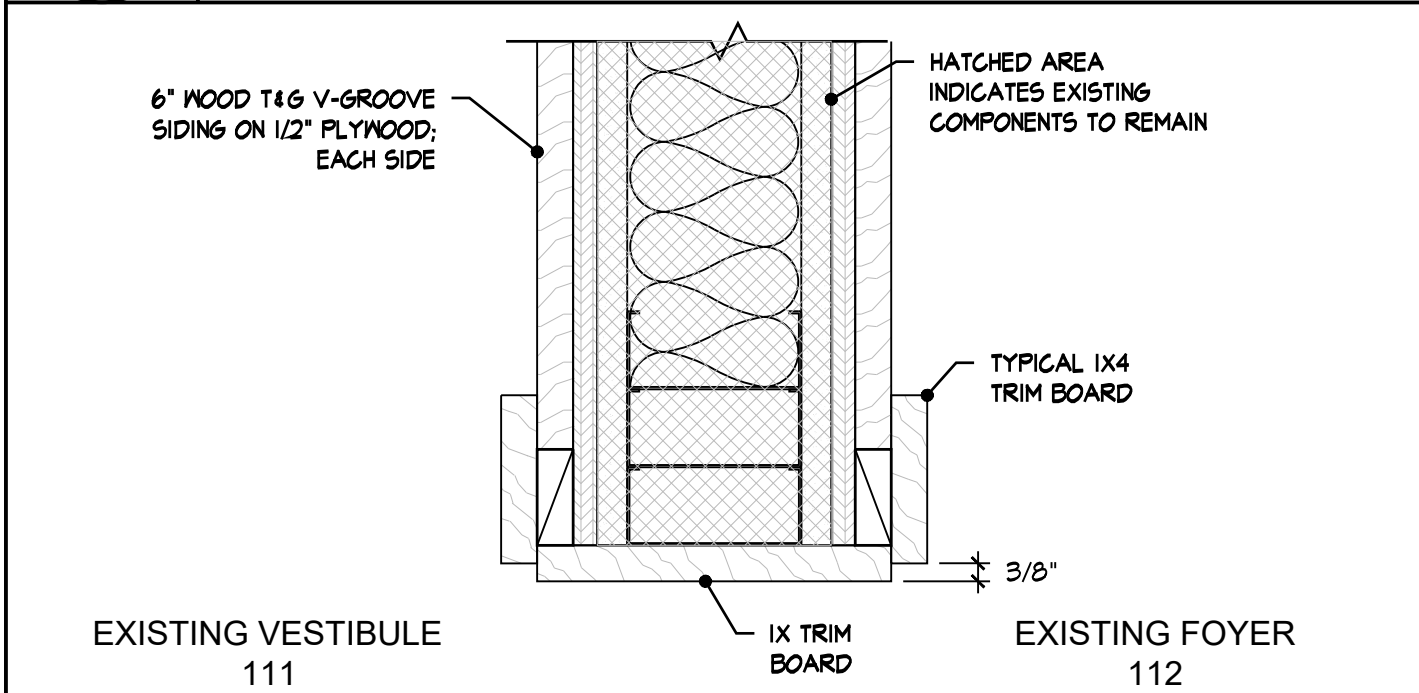
HEAD DETAIL '2'
SCALE: 1 1/2" = 1'-0"



INTERIOR STOREFRONT DETAILS
SCALE: 6" = 1'-0"

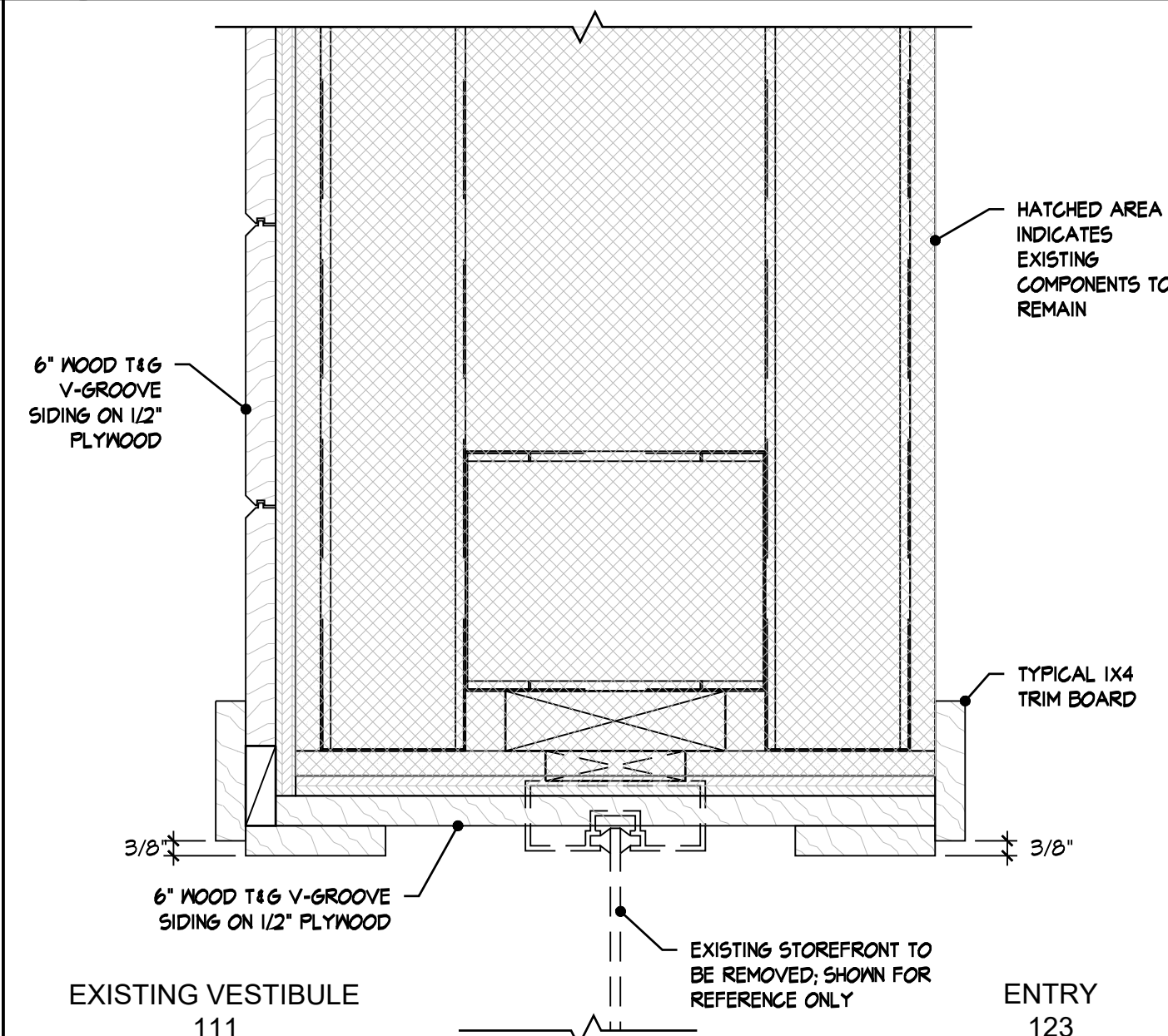
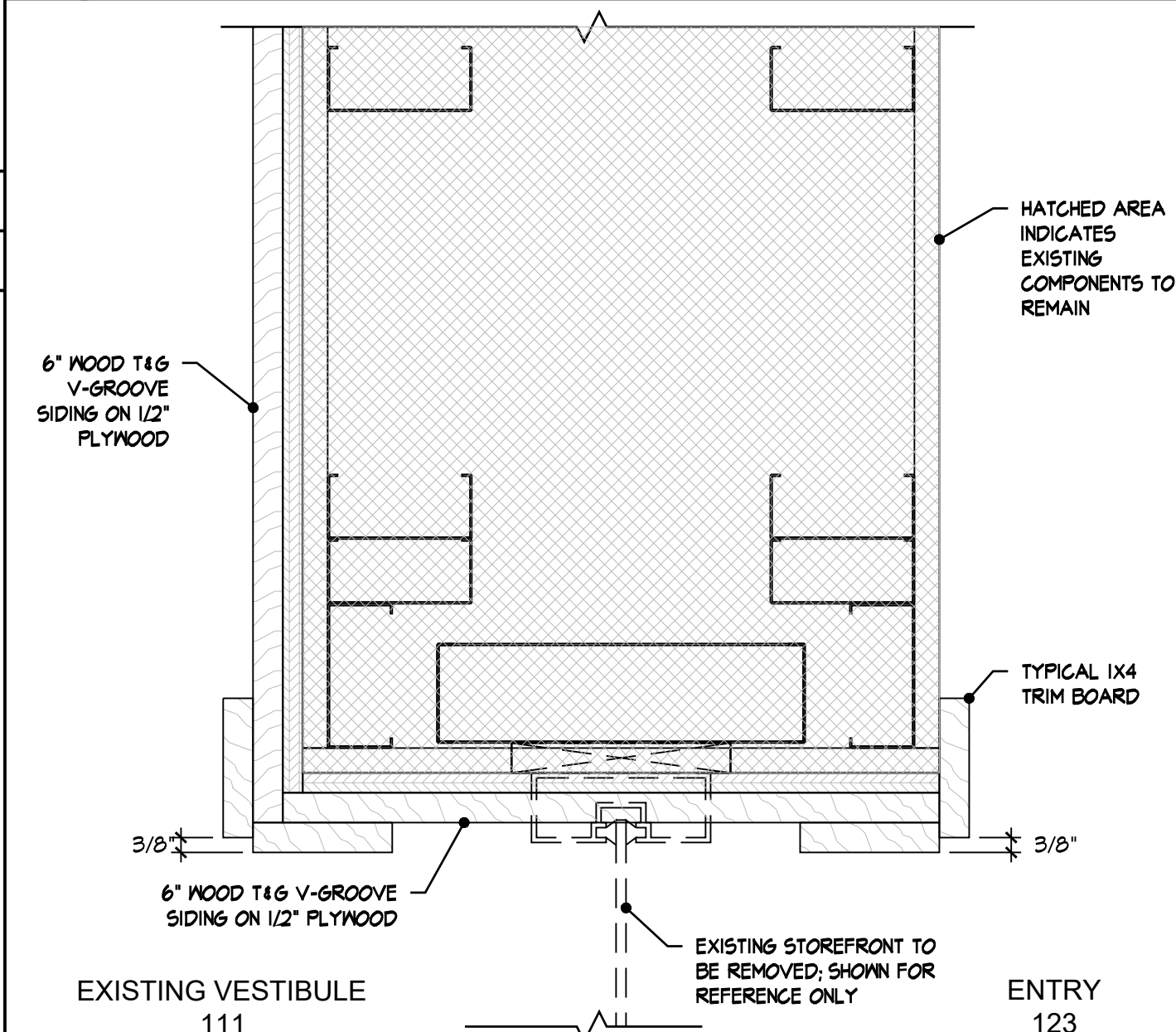
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- A. DISSIMILAR METALS ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LINTELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS. METAL DRIP EDGE FLASHING SHALL BE STAINLESS STEEL AND SHALL FLASHING 1/2" BEYOND FACE OF BRICK. THRU-WALL FLASHING MATERIAL SHALL EXTEND 1/2" MIN BEYOND THE EXTERIOR EDGE OF BRICK AND BE FULLY BONDED TO THE TOP SURFACE OF THE DRIP EDGE WITH A MASTIC OR MANUFACTURER-APPROVED SEALANT. TRIM FLASHING AS DIRECTED BY ARCHITECT. METAL DRIP EDGES SHALL BE SEALED AT ALL LAPS AND PENETRATIONS. EXPOSED END SHALL BE HEMMED. SEE DETAIL L13/A4.0.
 - B. ALL FLASHING SHALL BE 0.40 OZ. ALUMINUM FLASHING; SHOP FORM UNLESS OTHERWISE NOTED.
 - C. CONTRACTOR TO VERIFY QUANTITIES BEFORE ORDERING.

G9 INTERIOR STOREFRONT @ MEETING ROOM 122
A1.6 SCALE: VARIES



E9 CASSED OPENING JAMB @ EXISTING FOYER
A1.6 SCALE: 3"=1'-0"

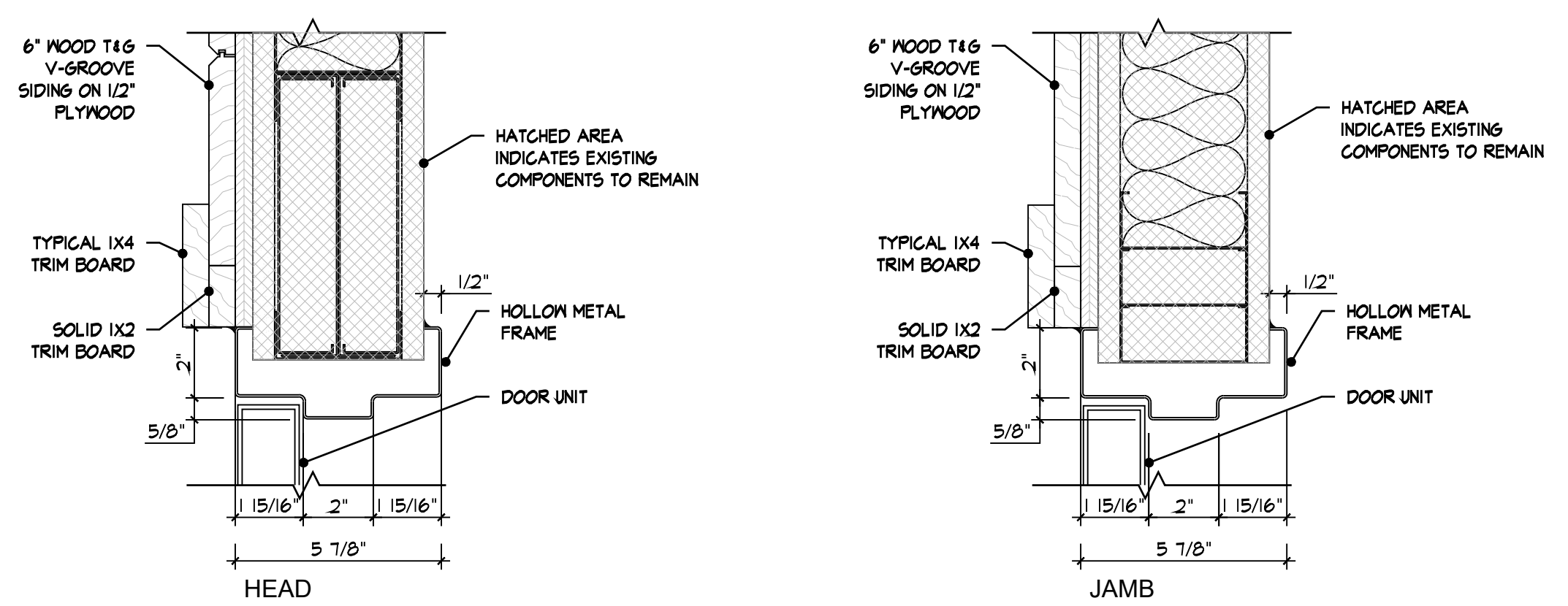
E13 CASSED OPENING HEAD @ EXISTING FOYER
A1.6 SCALE: 3"=1'-0"



A9 CASSED OPENING JAMB @ ENTRY
A1.6 SCALE: 3"=1'-0"

A13 CASSED OPENING HEAD @ ENTRY
A1.6 SCALE: 3"=1'-0"

D1 EXTERIOR STOREFRONT DETAILS
A1.6 NO SCALE



A1 INTERIOR DOOR DETAIL @ WOOD SIDING
A1.6 SCALE: 3"=1'-0"

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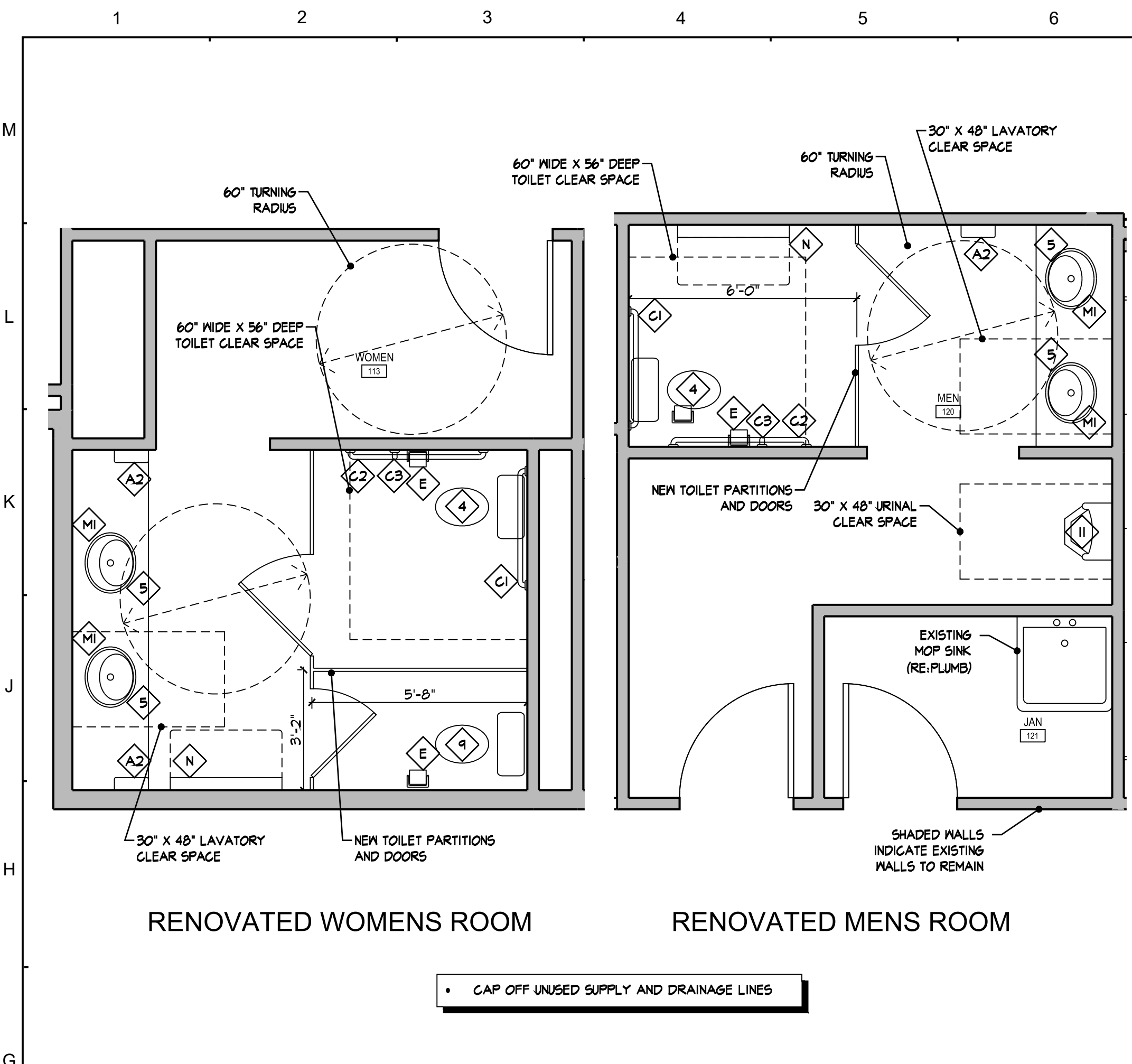
REVISION DATE

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GEORGETOWN, SOUTH CAROLINA

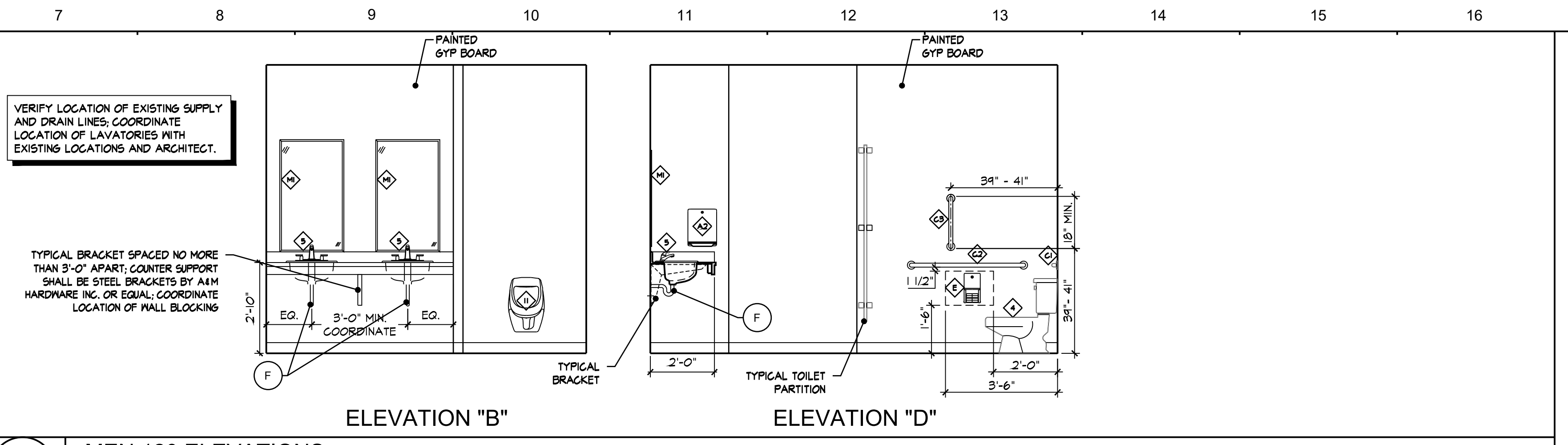
BID SET

2018-04
03/31/2022
OPENING DETAILS

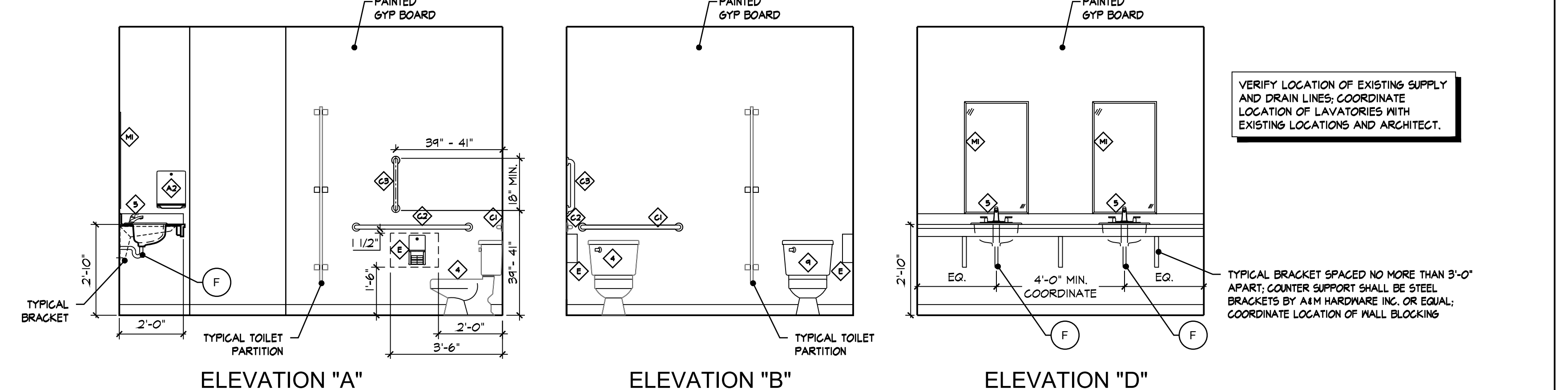
A1.6



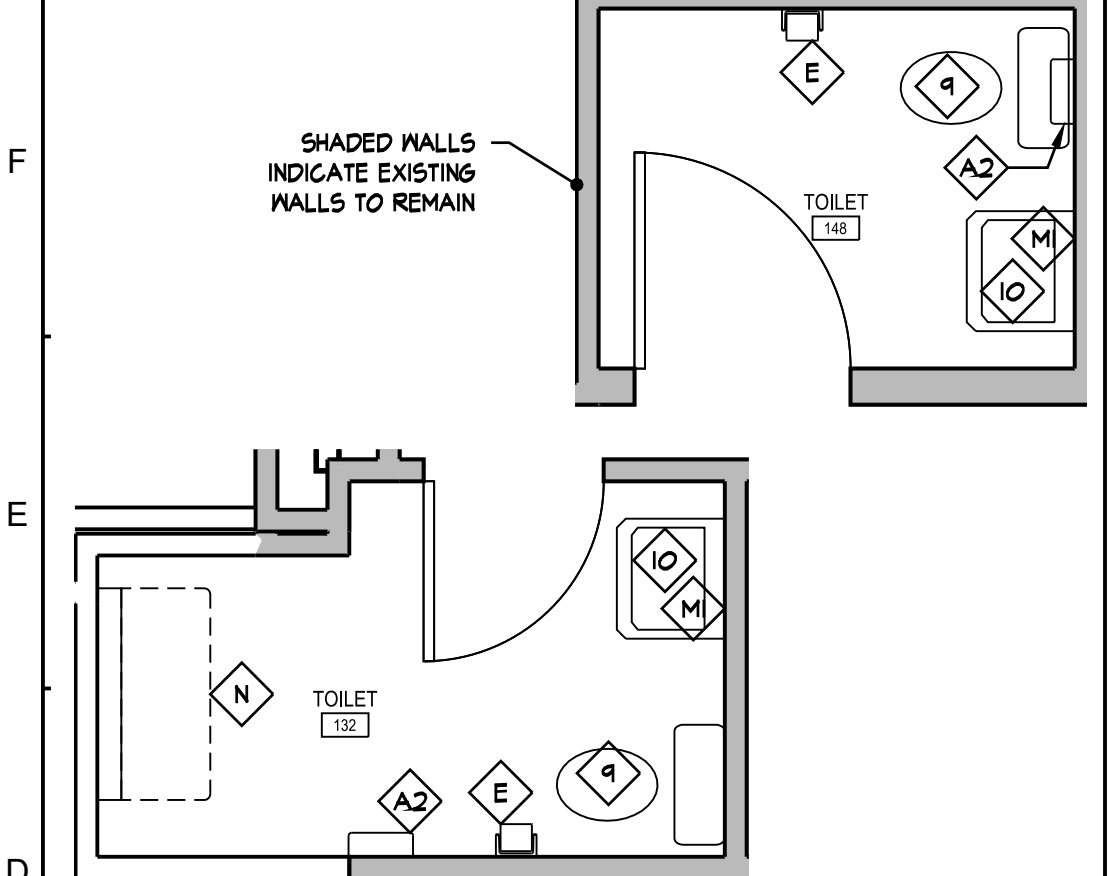
G1 **WOMEN 113 AND MEN 120 ENLARGED FLOOR PLANS**
A1.7 SCALE: 3/8" = 1'-0"



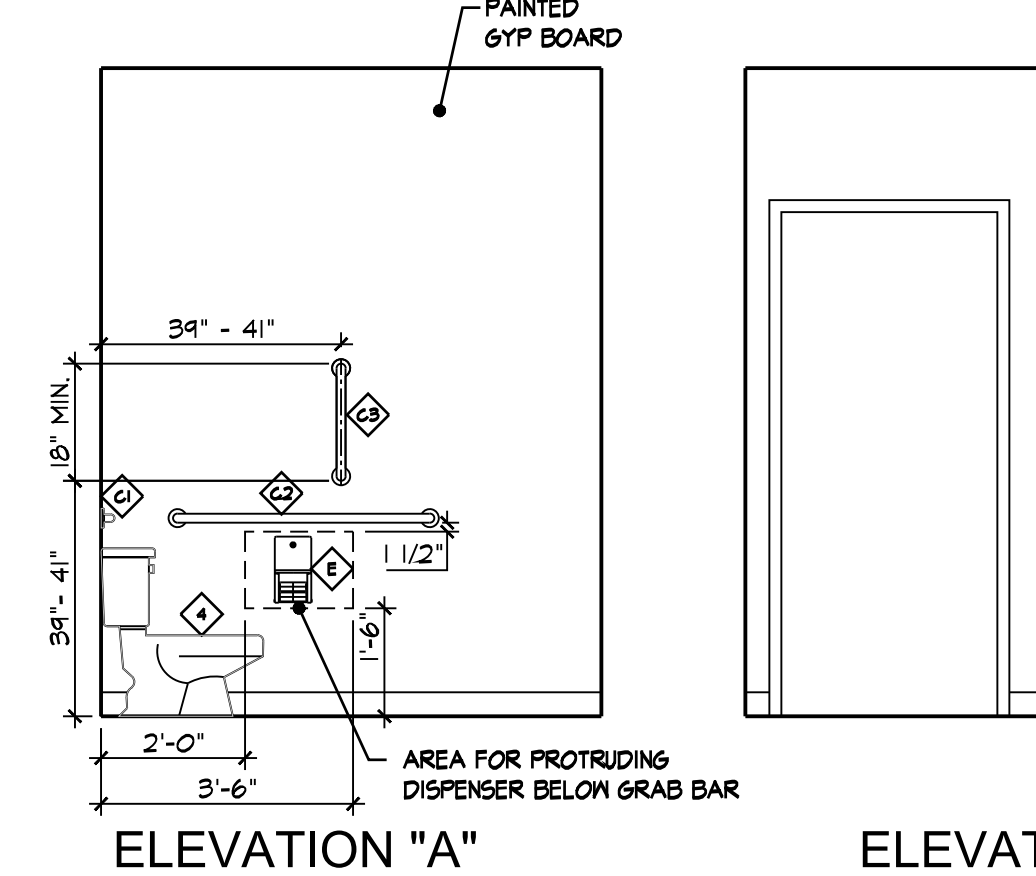
K7 **MEN 120 ELEVATIONS**
A1.7 SCALE: 3/8" = 1'-0"



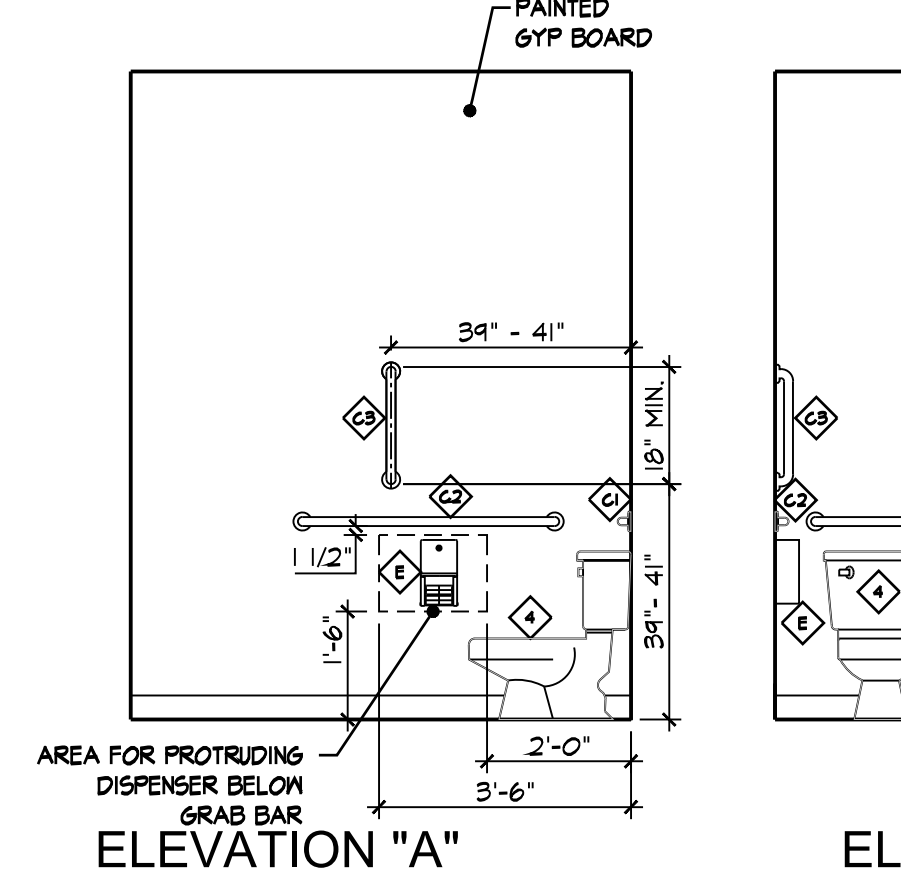
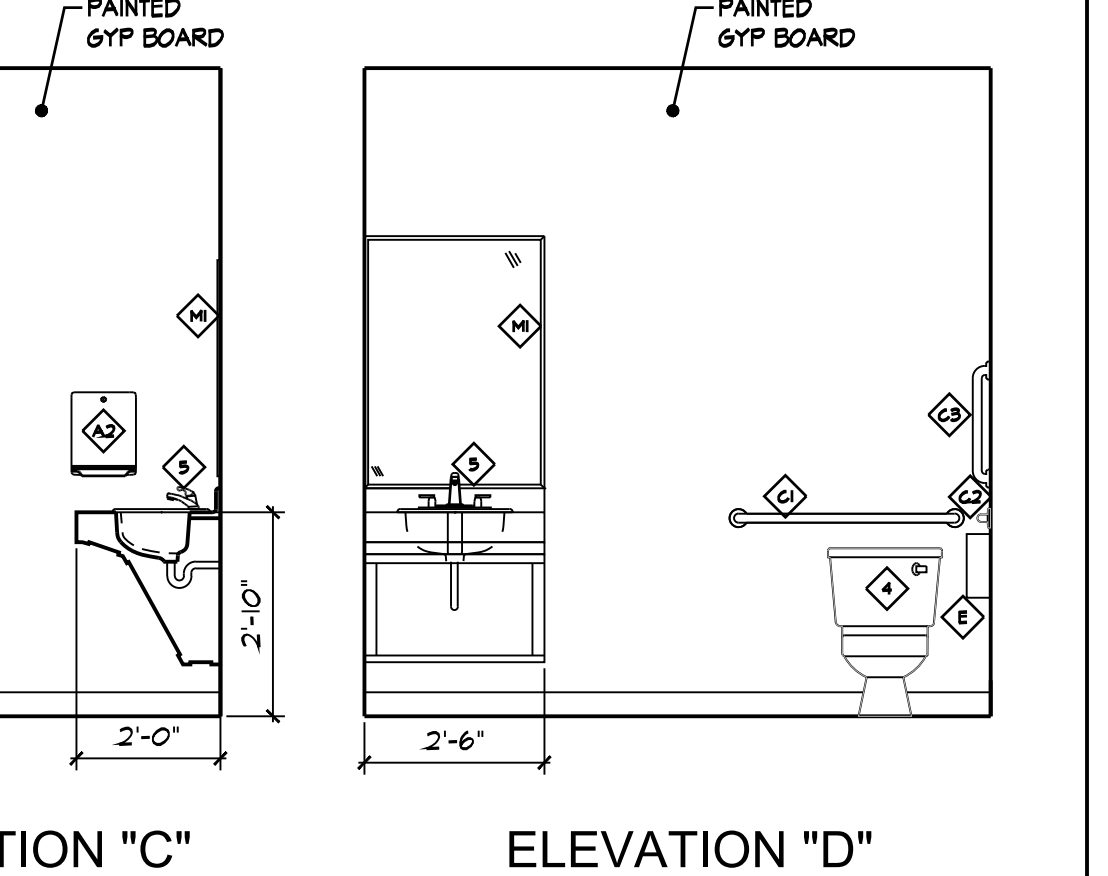
G7 **WOMEN 113 ELEVATIONS**
A1.7 SCALE: 3/8" = 1'-0"



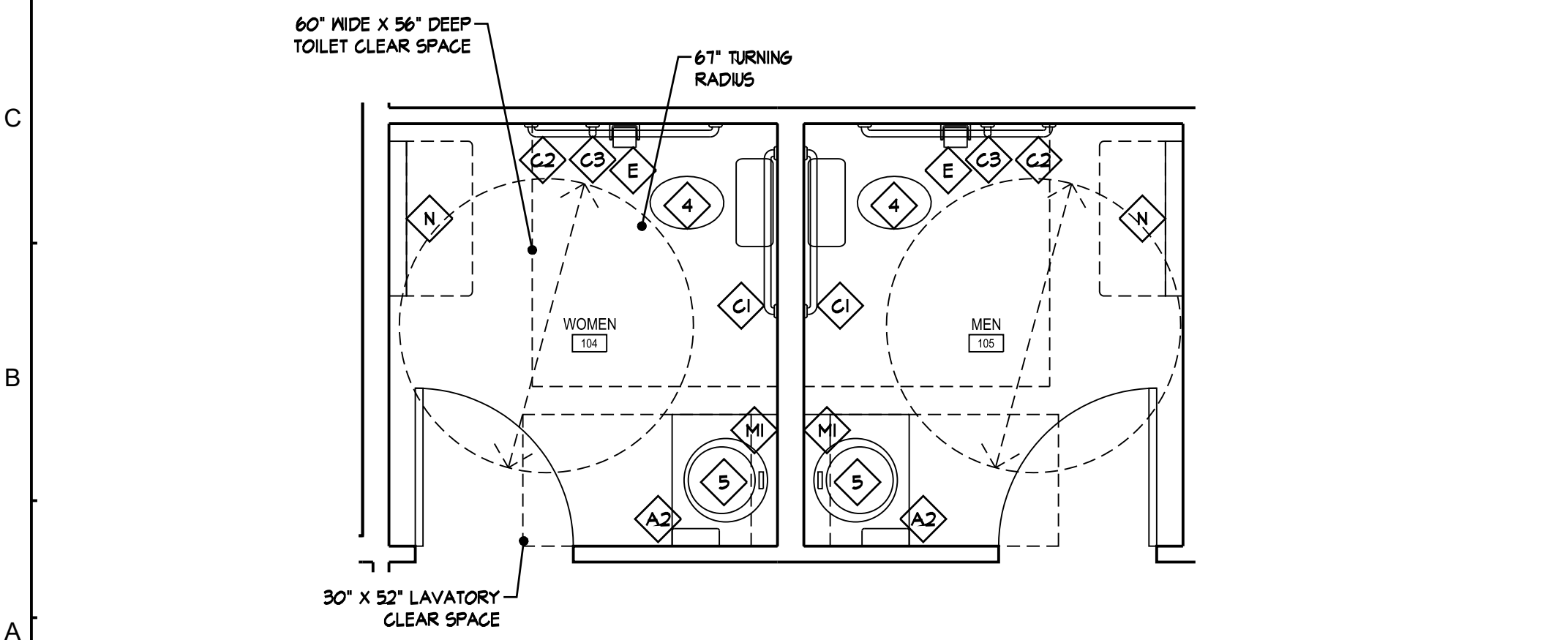
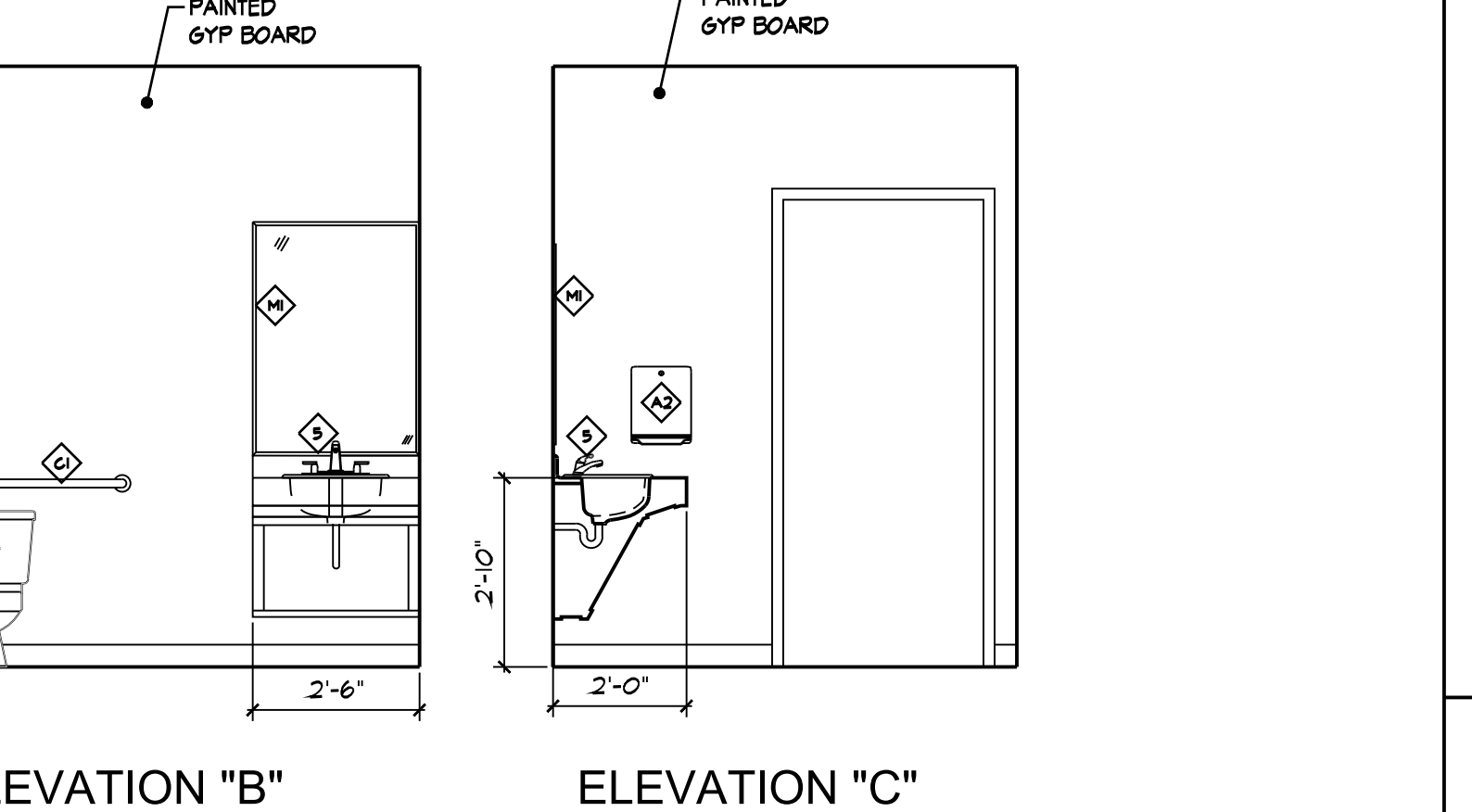
D1 **TOILETS 132 AND 148**
A1.7 SCALE: 3/8" = 1'-0"



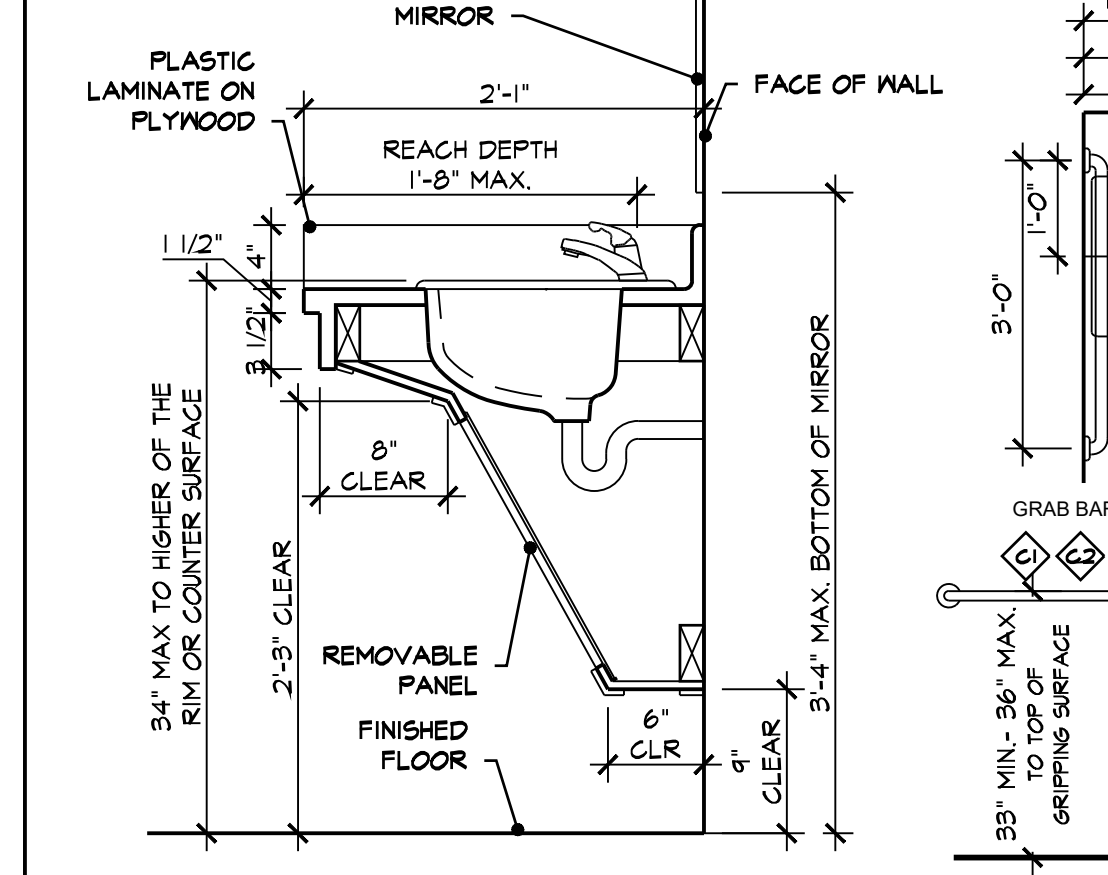
D4 **TOILET 104 ELEVATIONS**
A1.7 SCALE: 3/8" = 1'-0"



D10 **TOILET 105 ELEVATIONS**
A1.7 SCALE: 3/8" = 1'-0"



A1 **TOILETS 104 AND 105 ENLARGED PLANS**
A1.7 SCALE: 3/8" = 1'-0"



A6 **ACCESSIBLE LAVATORY DETAIL/MOUNTING DETAILS**
A1.7 SCALE: NO SCALE

| ACCESSORY LIST | | |
|---|-----------------------------------|-----------------------|
| WHERE APPLICABLE, COLORS ARE SELECTED BY OWNER. | | |
| SYM. | DESCRIPTION | MODEL NUMBER |
| C | 36" GRAB BAR | |
| C2 | 42" GRAB BAR | SEE SHEET G2.0 |
| E | TOILET TISSUE DISPENSER | |
| A | FLOOR MOUNTED TOILET (ACCESSIBLE) | SEE PLUMBING DRAWINGS |
| B | COUNTER MOUNTED LAVATORY | |
| M | MIRROR (24" X 36") | |
| A2 | PAPER TOWEL DISPENSER | SEE SHEET G2.0 |
| C3 | 18" GRAB BAR | |
| A | FLOOR MOUNTED TOILET | SEE PLUMBING DRAWINGS |
| O | WALL MOUNTED LAVATORY | |
| H | URINAL | |
| N | CHANGE TABLE | SEE SHEET G2.0 |

GENERAL NOTES

- A. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- B. PROVIDE BLOCKING AT ALL WALL HUNG PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND COORDINATION OF ALL BLOCKING REQUIRED FOR CASEWORK INSTALLATION WHETHER INDICATED ON DRAWINGS OR NOT.
- C. ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ICC ANS1 A117.1-2017 FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL COMPLY WITH ICC ANS1 A117.1-2017 REGARDING ANY AND ALL ELEMENTS OF THE PROJECT. FAILURE TO COMPLY WITH THESE REGULATIONS WILL RESULT IN THE REMOVAL OF NON-COMPLYING WORK AT THE COST OF THE GENERAL CONTRACTOR.
- D. ALL CERAMIC TILE INSTALLATION SHALL CONFORM TO THE TILE COUNCIL OF NORTH AMERICA'S 2016 TCNA HANDBOOK FOR CERAMIC, GLASS, AND STONE TILE INSTALLATION.
- E. PROVIDE 1/2" REGLET REVEAL AT ALL SOFFIT TO SOFFIT JOINT AND SOFFIT TO COLUMN JOINTS CONNECTIONS.
- F. WATER SUPPLY AND DRAINPIES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

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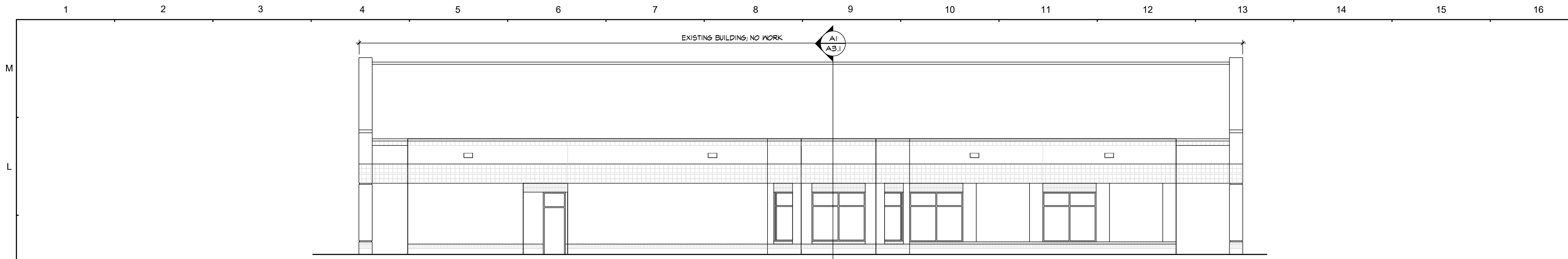
**AN ADDITION AND RENOVATION TO THE
 GEORGETOWN COUNTY
 LIBRARY - HEADQUARTERS**

GEORGETOWN, SOUTH CAROLINA

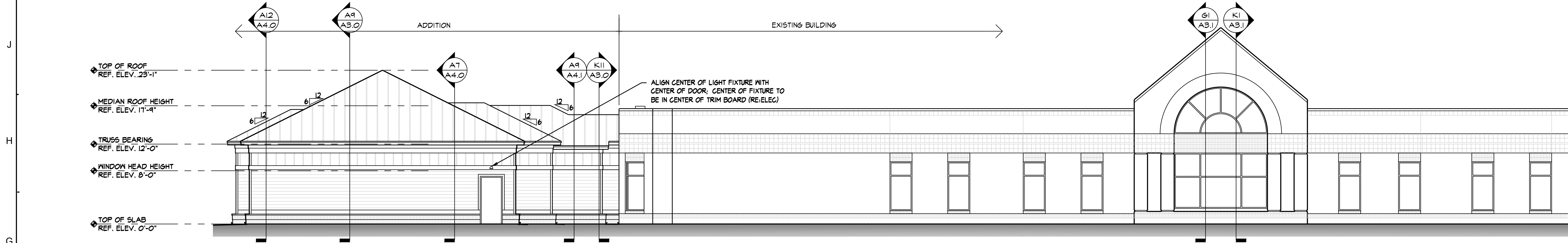
 2018-04
 03/31/2022
 ENLARGED BATHROOM
 PLANS AND ELEVATIONS

BID SET

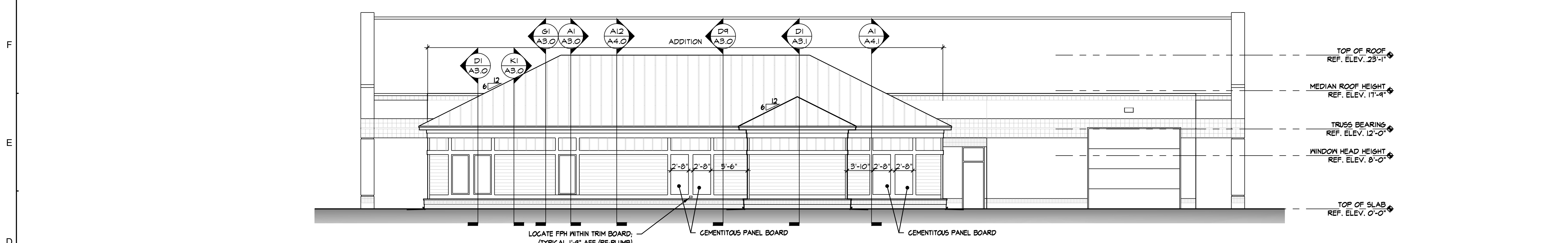
A1.7



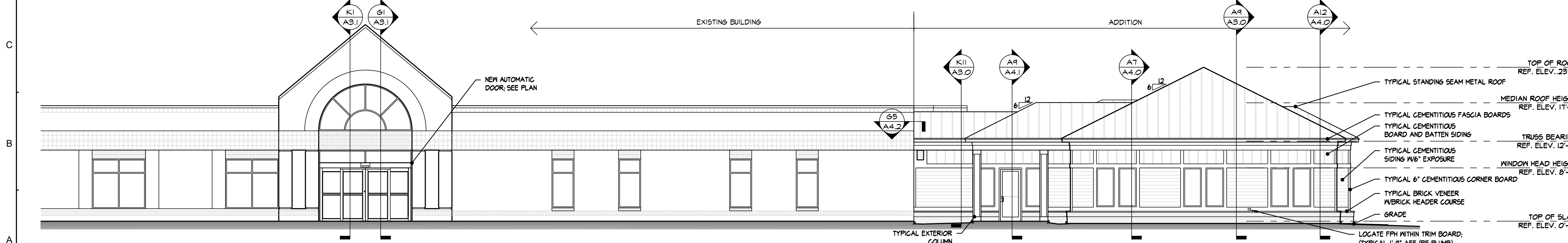
K1
A2.0
SOUTH ELEVATION
SCALE: 1/8"=1'-0"



G1
A2.0
REAR ELEVATION
SCALE: 1/8"=1'-0"



D1
A2.0
CHURCH STREET ELEVATION
SCALE: 1/8"=1'-0"



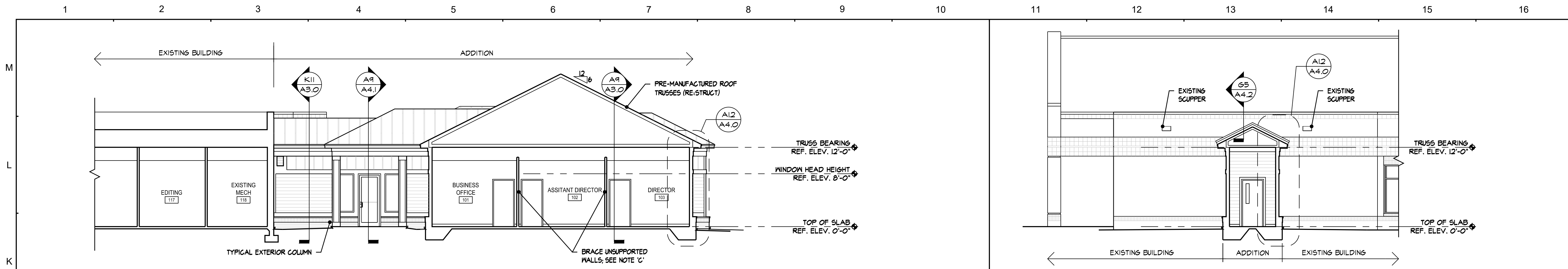
A1
A2.0
CLELAND STREET ELEVATION
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.

B. GUTTER AND DOWNSPOUTS ARE NOT SHOWN ON ELEVATIONS FOR CLARITY; REFER TO SHEET A11 ROOF PLAN FOR INFORMATION. COORDINATE LOCATIONS OF DOWNSPOUTS WITH ARCHITECT AND GUTTER MANUFACTURER. PROVIDE RAIN DIVERTERS AT ALL VALLEYS.

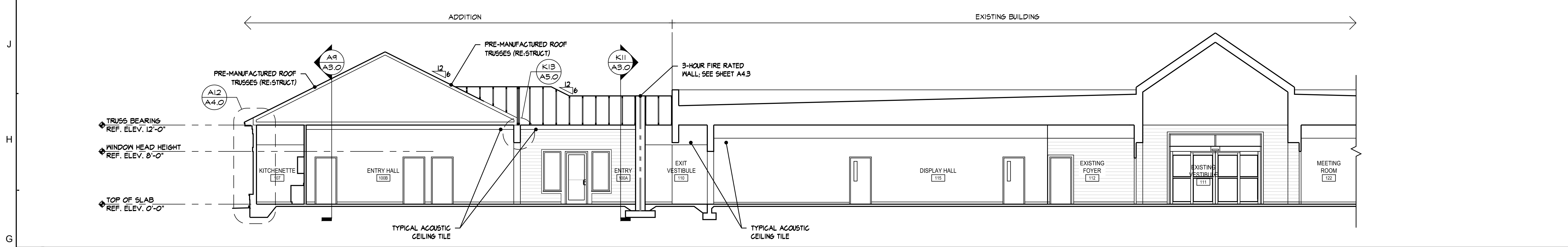
| | | |
|---|------|---|
| ***** BID SET ***** | | <p>TYCH & WALKER ARCHITECTS, LLP</p> <p>38 BLACKGUM ROAD, UNIT B PO BOX 509 PAWLEYS ISLAND, SC 29585 843-659-7151 mwalker@tychwalker.com</p> |
| REVISION | DATE | |
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| ***** BID SET ***** | | <p>2018-04 03/31/2022 ELEVATIONS</p> |
| | | A2.0 |



K1
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"

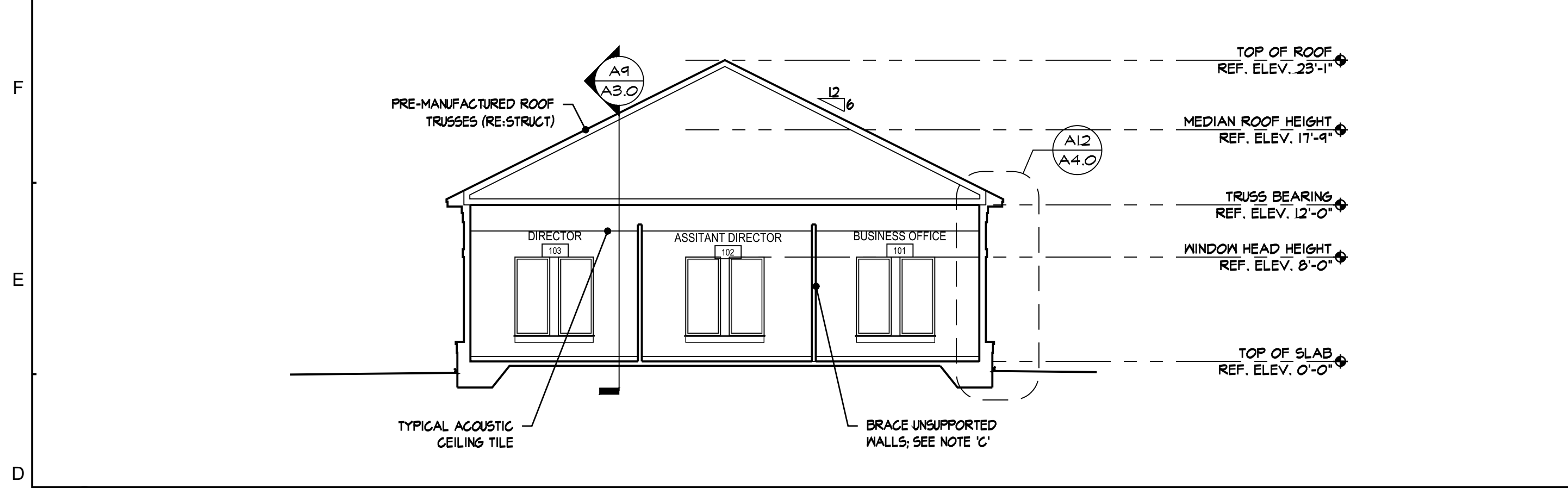
K1
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"

- GENERAL NOTES**
- NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
 - COORDINATE ALL LOCATIONS OF HOSE BIBBS, LIGHTS, AND VENTS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS; REVIEW ANY CONFLICTS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
 - BRACE ALL UNSUPPORTED WALLS TO STRUCTURE ABOVE WITH METAL STUDS EVERY 48" O.C.
 - DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET. DRAFTSTOPPING MATERIALS SHALL BE NOT LESS THAN 1/2-INCH GYPSONUM BOARD, 3/8-INCH WOOD STRUCTURAL PANEL, 3/8-INCH PARTICLE BOARD, 1-INCH NOMINAL LUMBER, CEMENT FIBERBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.
 - MECHANICAL PLATFORM SHALL BE 3/4" T&G PLYWOOD GLUED AND NAILED TO ATTIC TRUSSES (RE-STRUCT). PROVIDE 2X4 TOE-KICK, 2X4 MIDDLE RAIL @ 2'-0" AFF. AND 2X4 TOP RAIL @ 3'-6" AFF. PROVIDE AT EDGES OF PLATFORM EXPOSED TO ATTIC TRUSSES

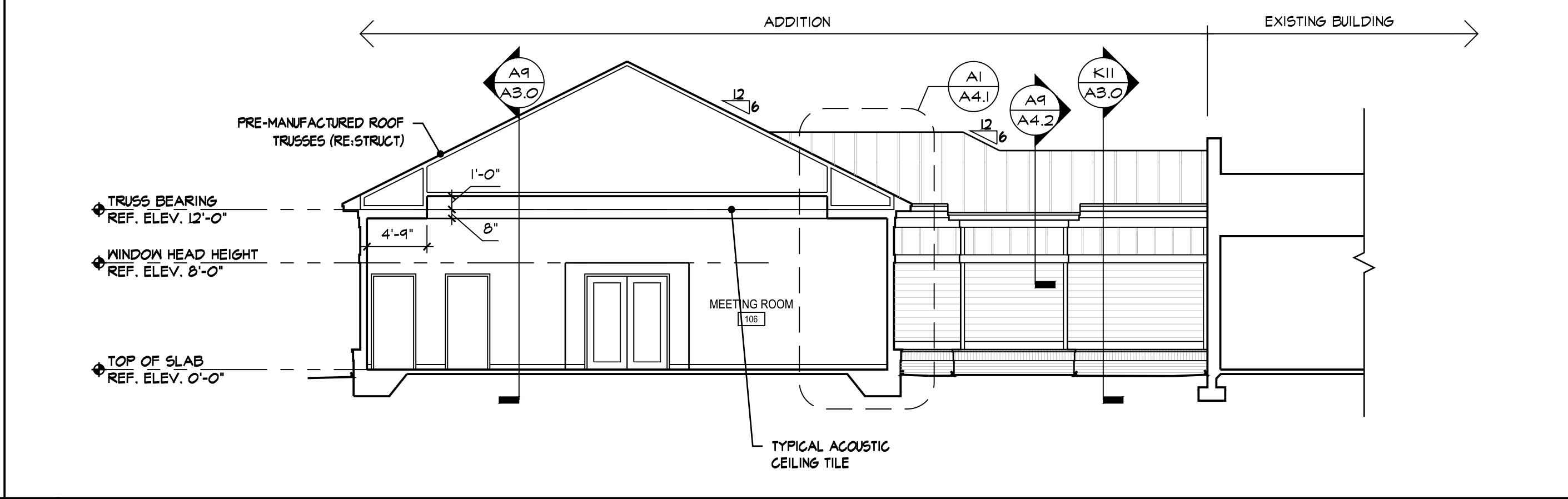


G1
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"

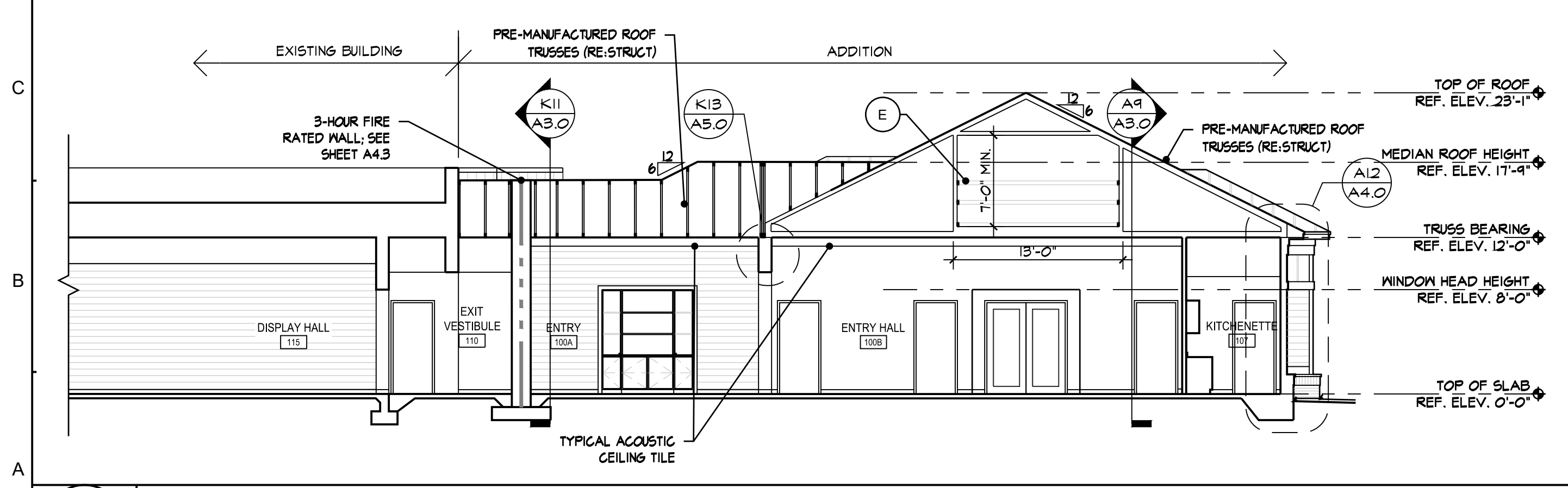
G1
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"



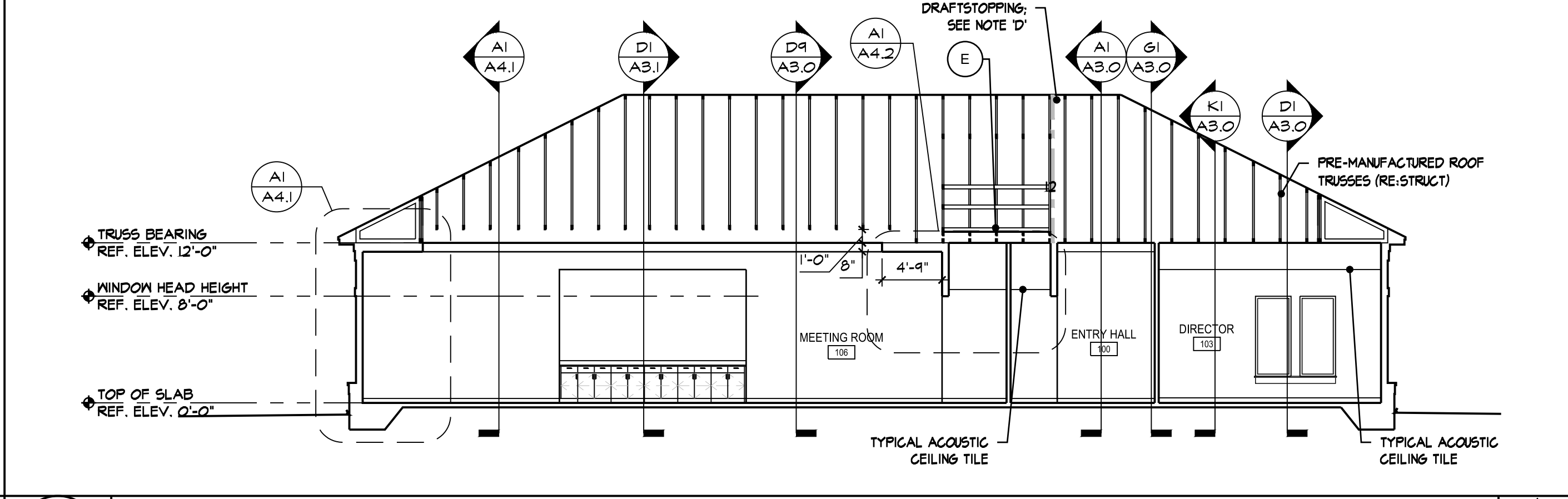
D1
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"



D9
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"



A1
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"



A9
A3.0
BUILDING SECTION
SCALE: 1/8"=1'-0"

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mwalker@tychwalker.com

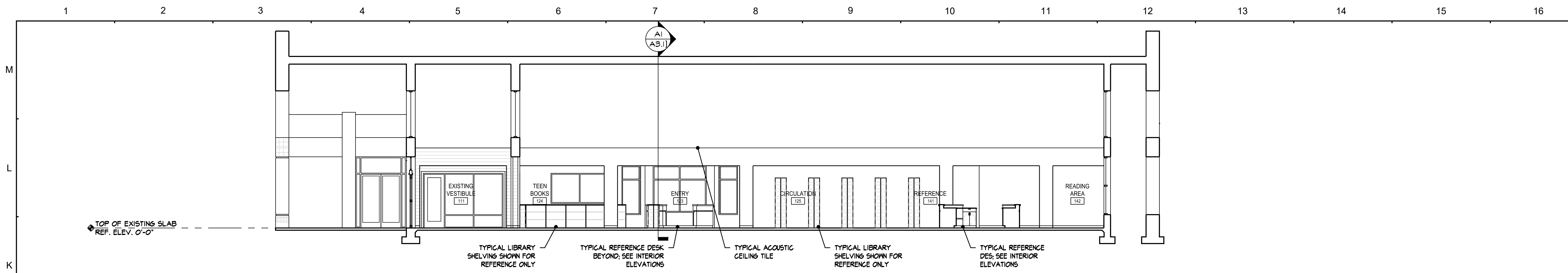
REVISION DATE

AN ADDITION AND RENOVATION TO THE
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GEORGETOWN, SOUTH CAROLINA

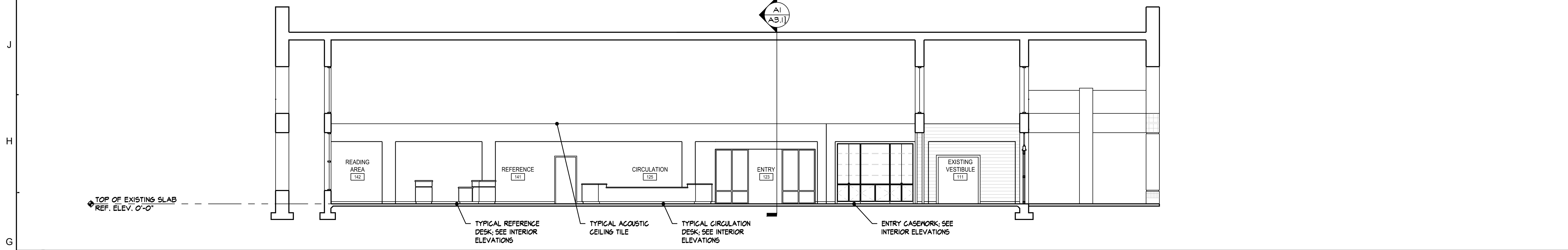
2018-04
03/31/2022

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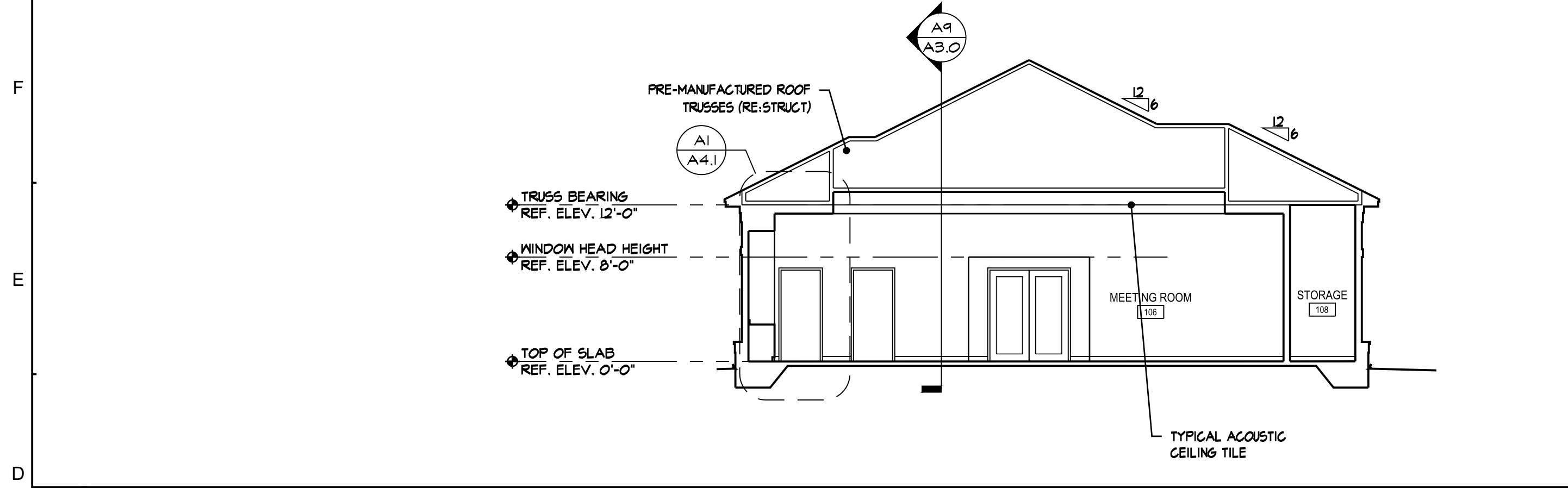
A3.0



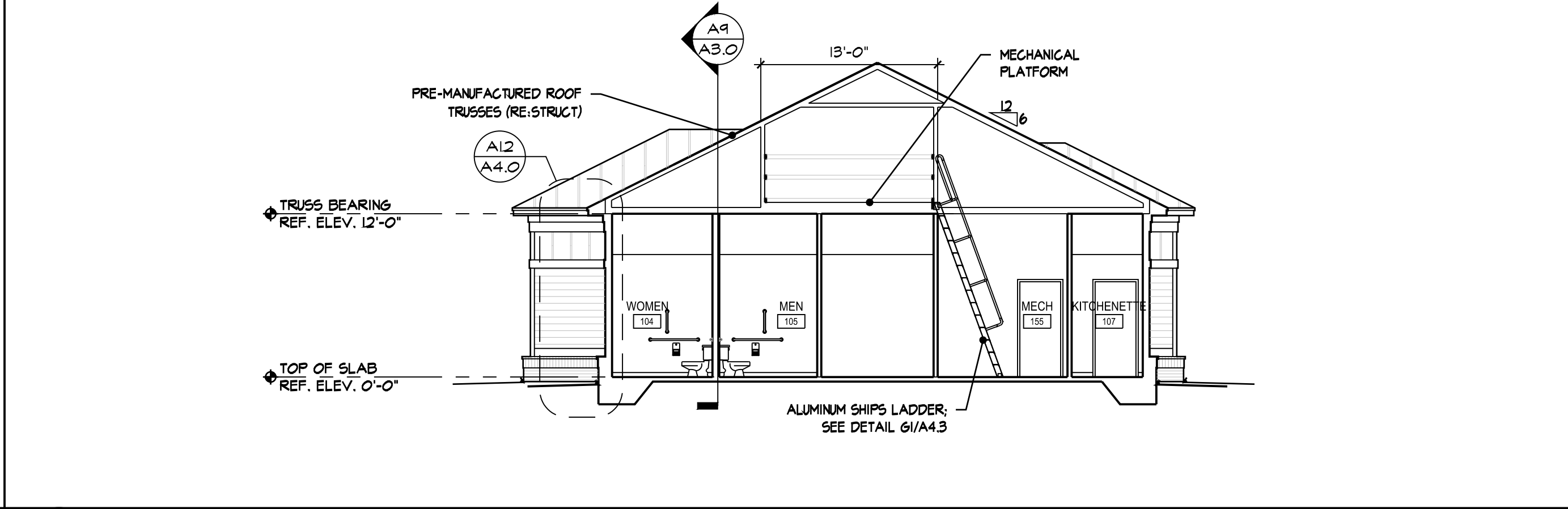
K1
A3.1
BUILDING SECTION
SCALE: 1/8"=1'-0"



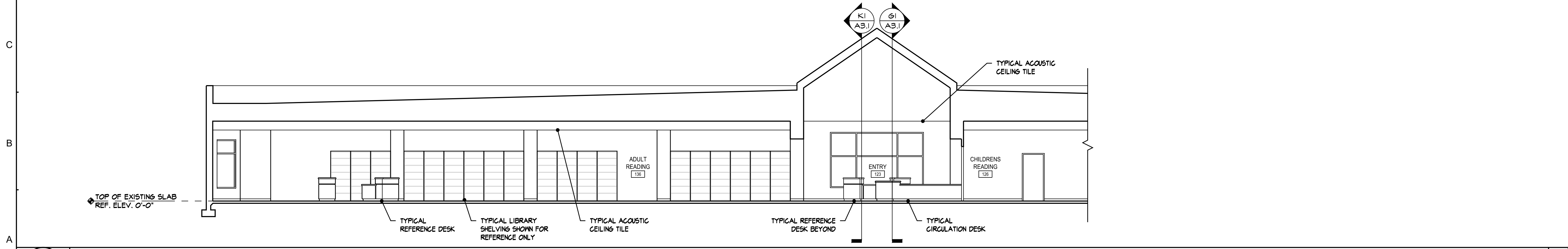
G1
A3.1
BUILDING SECTION
SCALE: 1/8"=1'-0"



D1
A3.1
BUILDING SECTION
SCALE: 1/8"=1'-0"



D9
A3.1
BUILDING SECTION
SCALE: 1/8"=1'-0"



A1
A3.1
BUILDING SECTION
SCALE: 1/8"=1'-0"

- GENERAL NOTES**
- A. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
 - B. COORDINATE ALL LOCATIONS OF HOSE BIBBS, LIGHTS, AND VENTS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS; REVIEW ANY CONFLICTS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
 - C. BRACE ALL UNSUPPORTED WALLS TO STRUCTURE ABOVE WITH METAL STUDS EVERY 48" O.C.
 - D. DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET. DRAFTSTOPPING MATERIALS SHALL BE NOT LESS THAN 1/2-INCH GYPSUM BOARD, 3/8-INCH WOOD STRUCTURAL PANEL, 3/8-INCH PARTICLE BOARD, 1-INCH NOMINAL LUMBER, CEMENT FIBERBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.

BID SET

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ARCHITECTS, LLP

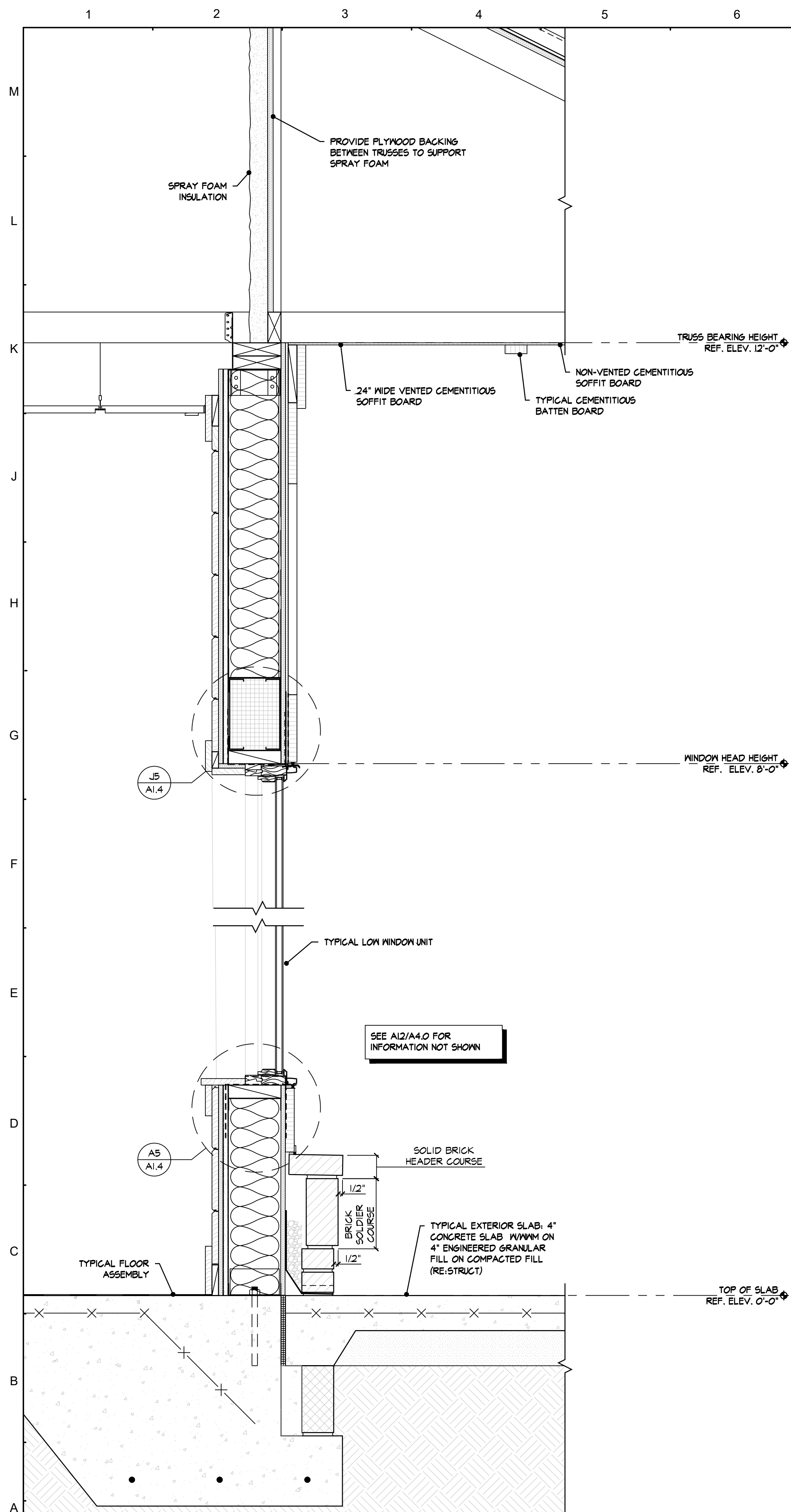
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mwalker@tychwalker.com

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GEORGETOWN, SOUTH CAROLINA

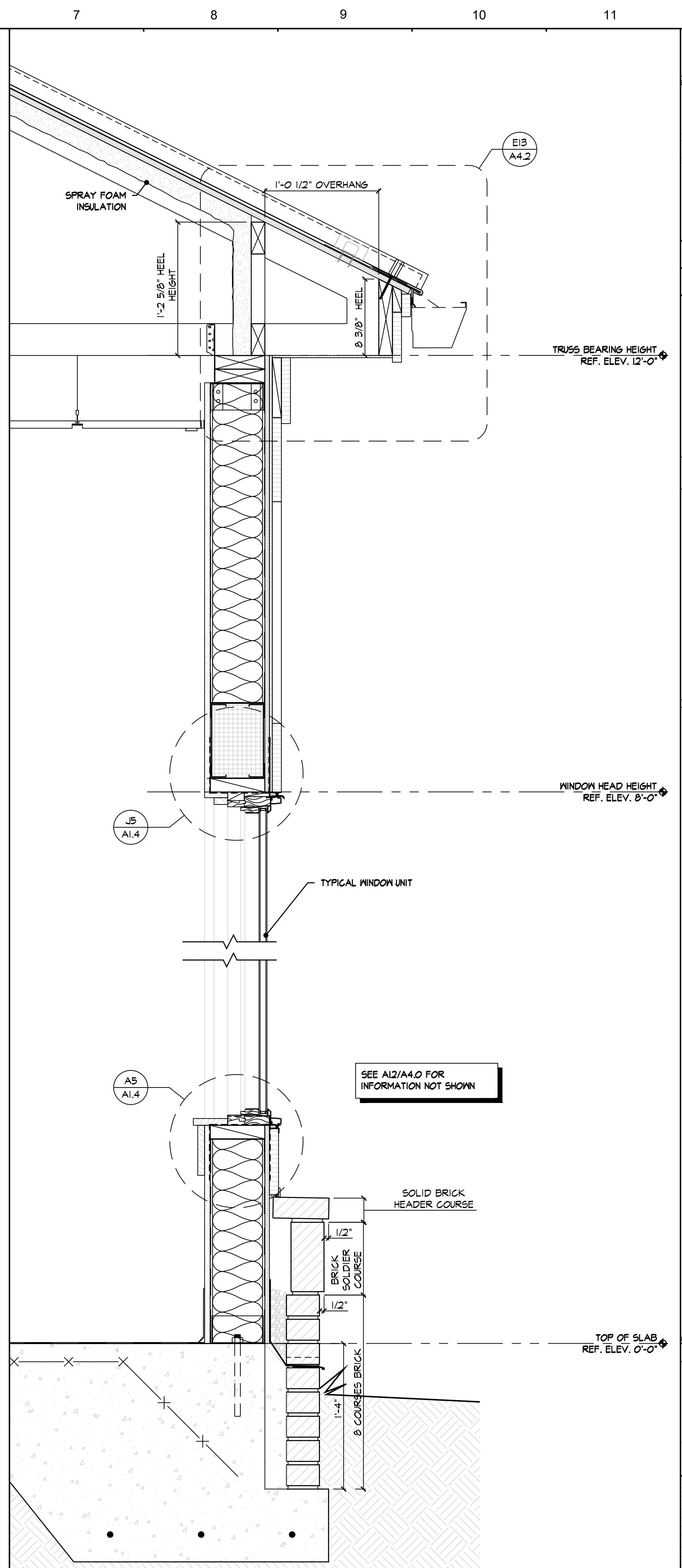
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2018-04
03/31/2022
BUILDING SECTIONS

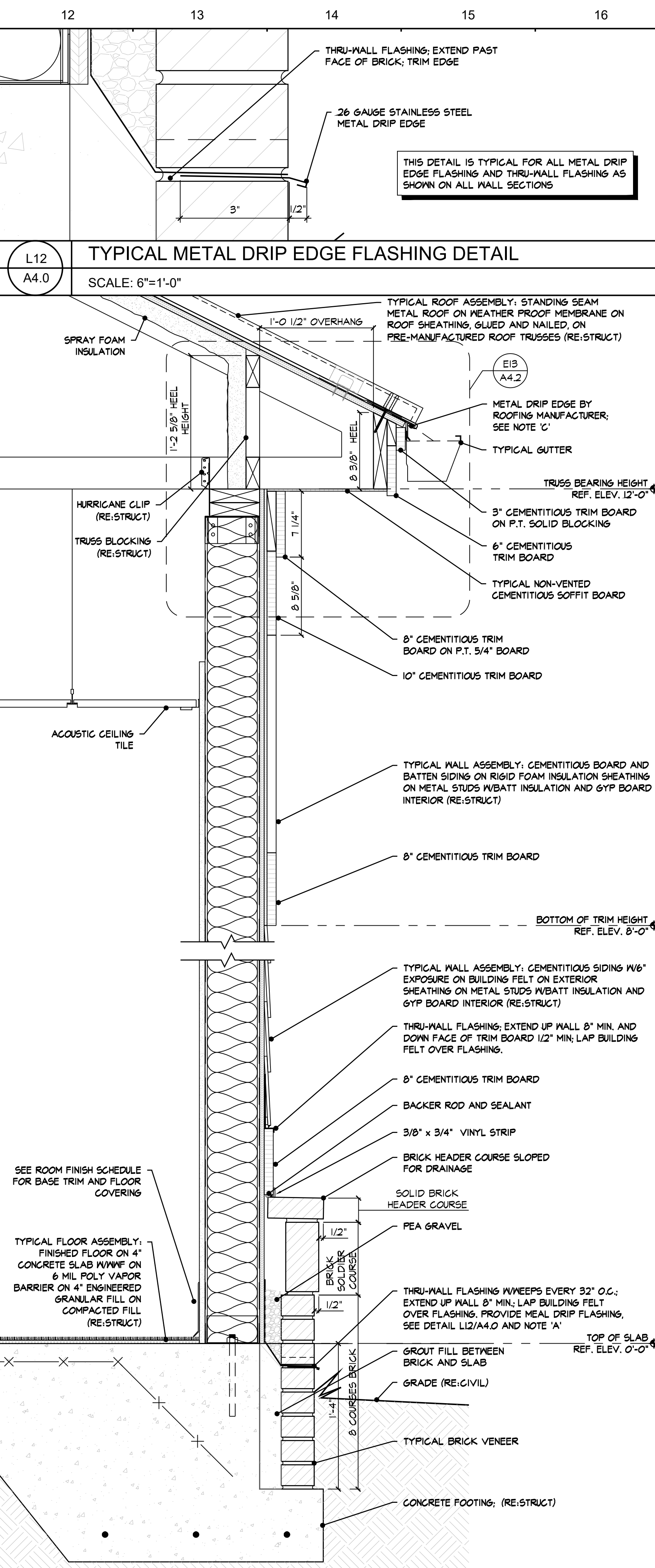
A3.1



A1
A4.0
TYPICAL WALL SECTION @ ENTRY WINDOWS
SCALE: 1 1/2"=1'-0"

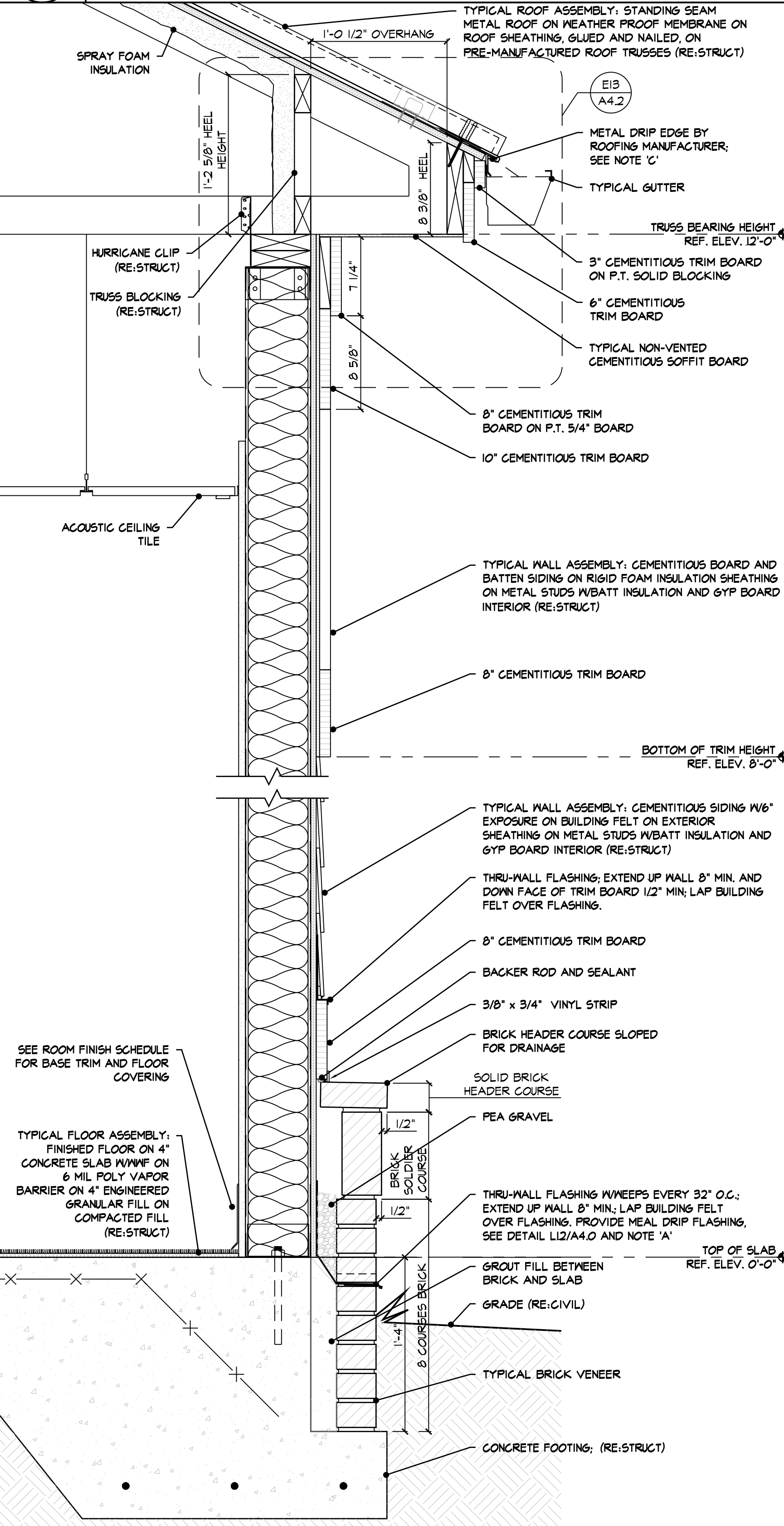


A7
A4.0
TYPICAL WALL SECTION @ WINDOW
SCALE: 1 1/2"=1'-0"



A12
A4.0
TYPICAL WALL SECTION
SCALE: 1 1/2"=1'-0"

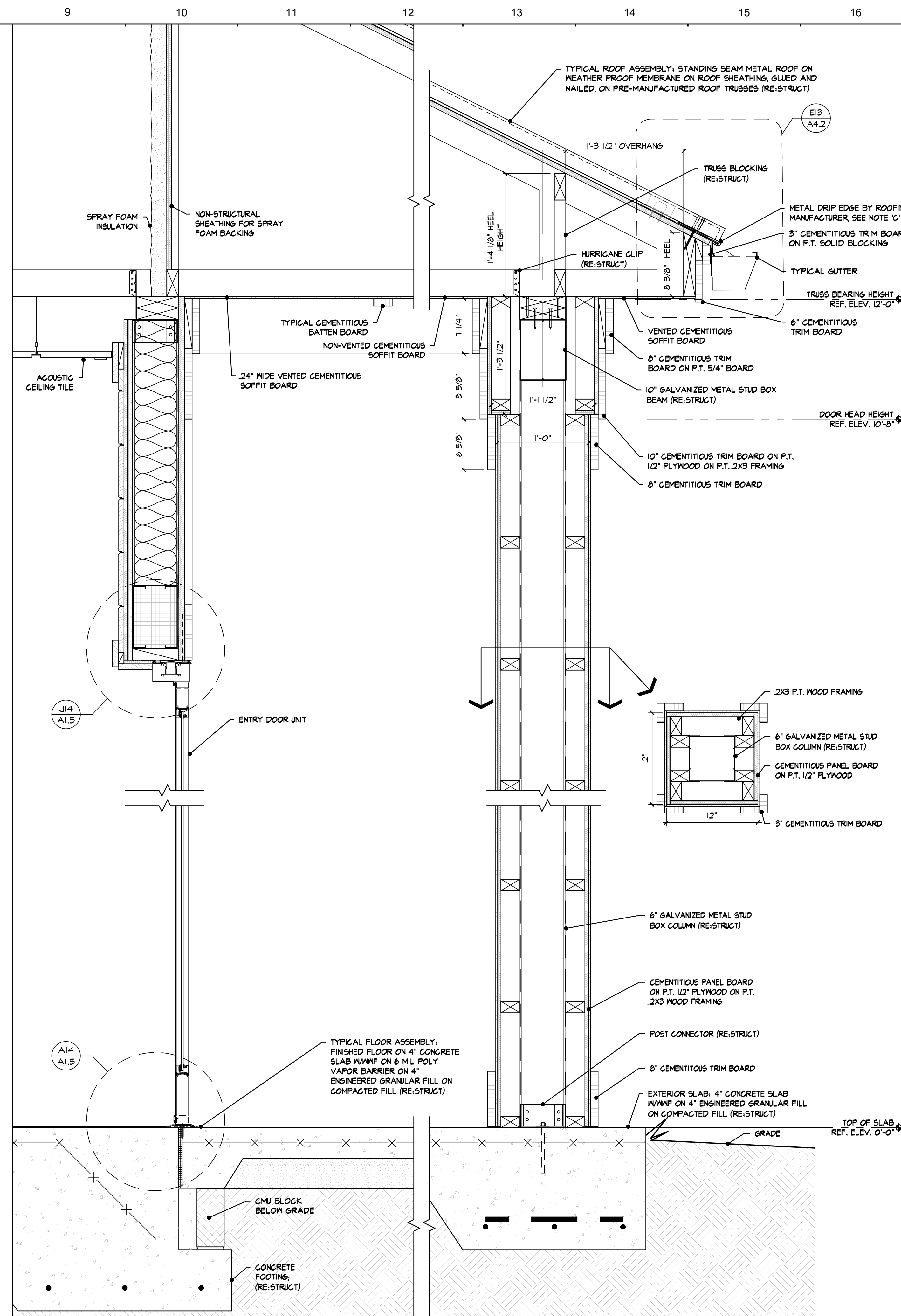
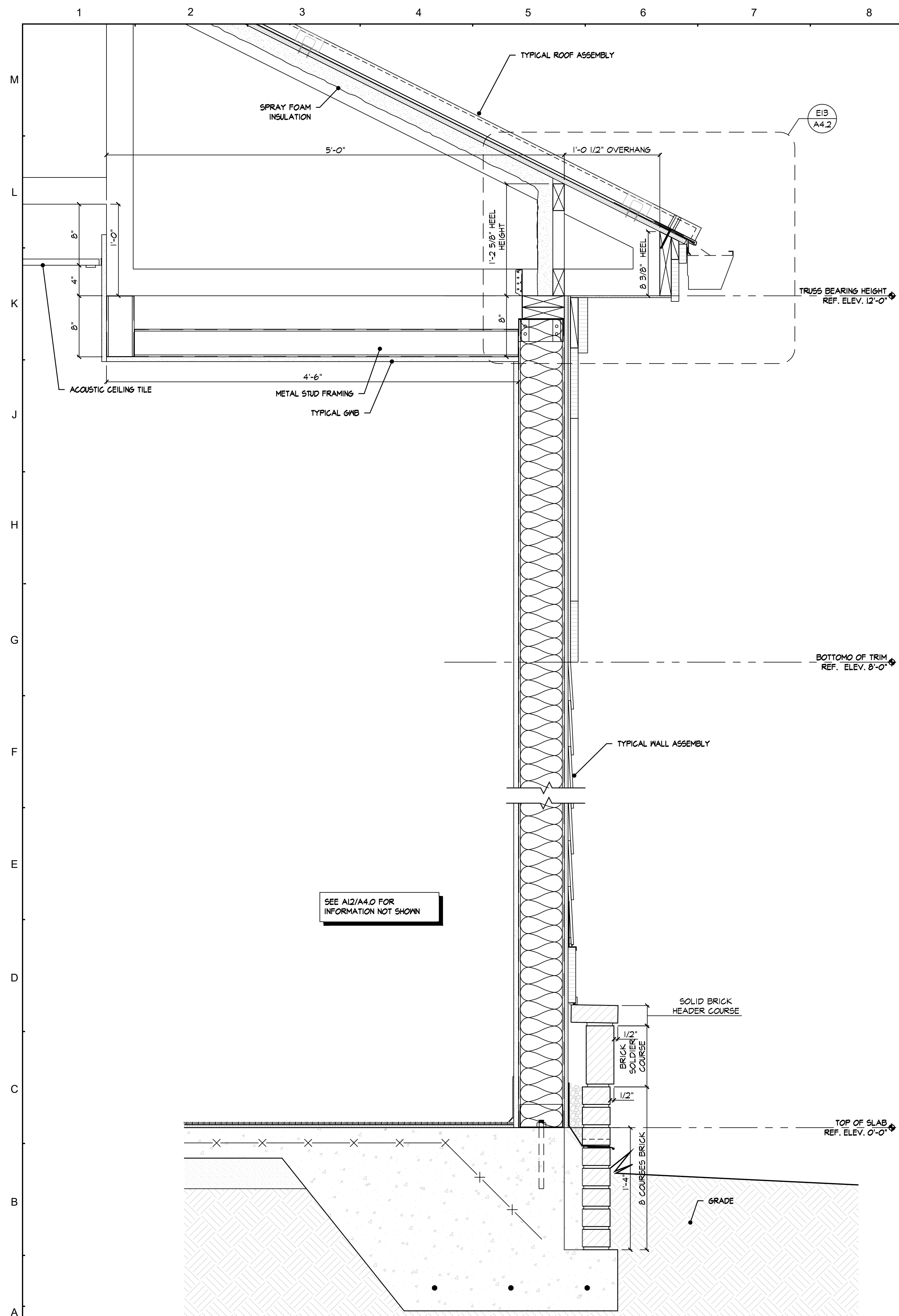
L12
A4.0
TYPICAL METAL DRIP EDGE FLASHING DETAIL
SCALE: 6"=1'-0"



GENERAL NOTES

- A. METAL DRIP EDGE FLASHING SHALL BE STAINLESS STEEL AND SHALL EXTEND 1/2" BEYOND THE FACE OF THE BRICK. THRU-WALL FLASHING MATERIAL SHALL EXTEND 1/2" MIN BEYOND THE EXTERIOR EDGE OF BRICK AND BE FULLY BONDED TO THE TOP SURFACE OF THE METAL DRIP EDGE WITH A MASTIC OR MANUFACTURER-APPROVED SEALANT. TRIM FLASHING AS DIRECTED BY ARCHITECT. METAL DRIP EDGES SHALL BE SEALED AT ALL LAPS AND PENETRATIONS. EXPOSED END SHALL BE HEMMED.
- B. DISSIMILAR METAL ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LINTELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS.
- C. METAL DRIP EDGE BY ROOFING MANUFACTURER; ATTACH W/2" FASTENERS INTO SOLID SURFACE EVERY 24" O.C.
- D. PROVIDE BAFFLES BETWEEN ROOF TRUSSES AT SOFFIT LOCATIONS FOR INSTALLATION OF SPRAY FOAM INSULATION. PROVIDE BAFFLES IN OTHER LOCATIONS AS REQUIRED.
- E. BOTTOM COURSE OF EXTERIOR PLYWOOD SHEATHING SHALL BE PRESSURE TREATED.

| | |
|---|---|
| <p>***** BID SET *****</p> | <p>Tych & Walker ARCHITECTS, LLP</p> <p>38 BLACKGUM ROAD, UNIT B PO BOX 509 PAWLEYS ISLAND, SC 29585 843-553-7551 mwalker@tychwalker.com</p> |
| <p>REVISION DATE</p> | |
| <p>AN ADDITION AND RENOVATION TO THE GEORGETOWN COUNTY LIBRARY - HEADQUARTERS GEORGETOWN, SOUTH CAROLINA</p> | |
| <p>***** BID SET *****</p> | <p>2018-04 03/31/2022 WALL SECTIONS</p> |
| <p>A4.0</p> | |

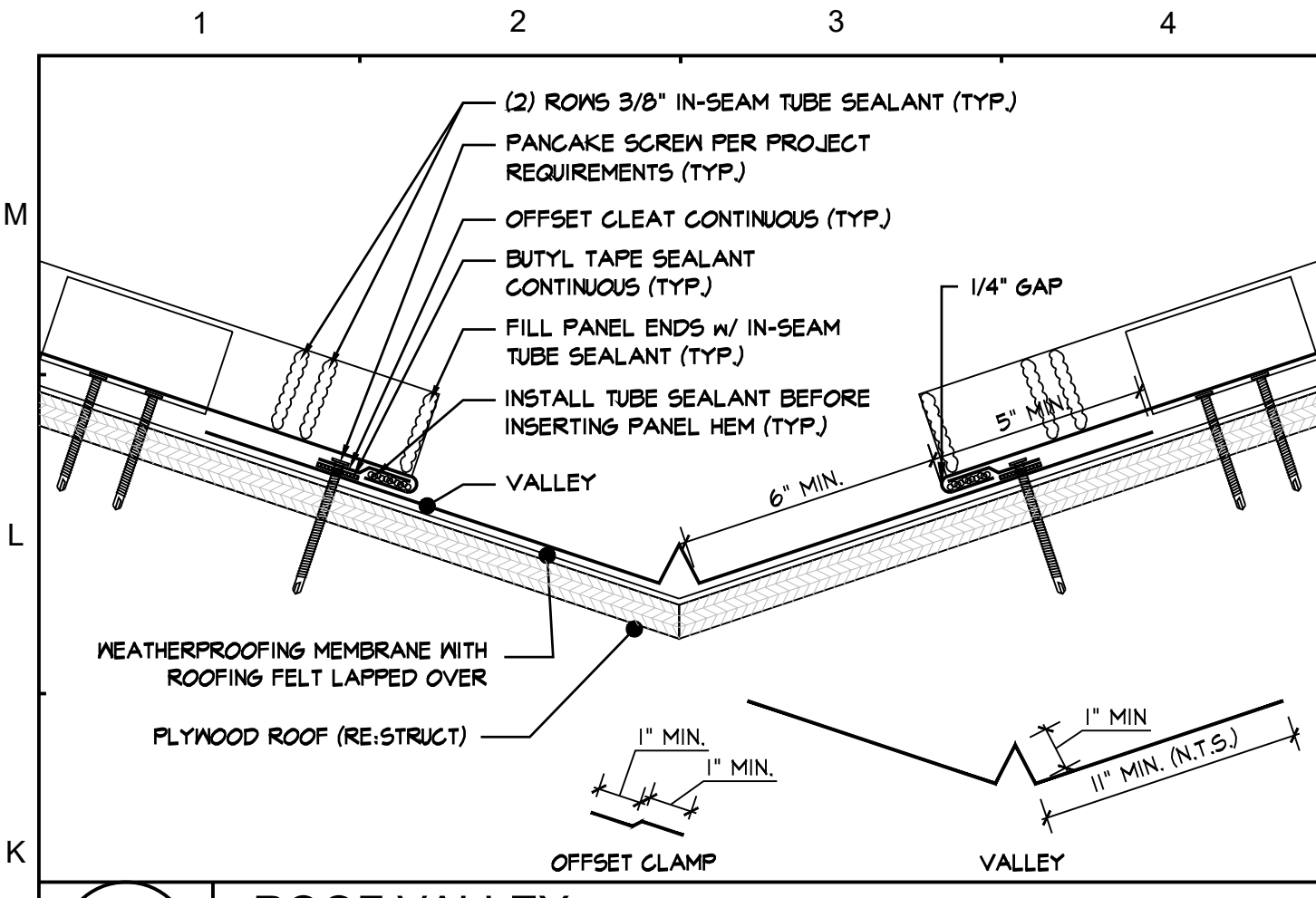


- ### GENERAL NOTES
- A. METAL DRIP EDGE FLASHING SHALL BE STAINLESS STEEL AND SHALL EXTEND 1/2" BEYOND THE FACE OF THE BRICK. THRU-WALL FLASHING MATERIAL SHALL EXTEND 1/2" MIN BEYOND THE EXTERIOR EDGE OF BRICK AND BE FULLY BONDED TO THE TOP SURFACE OF THE METAL DRIP EDGE WITH A MASTIC OR MANUFACTURER-APPROVED SEALANT. TRIM FLASHING AS DIRECTED BY ARCHITECT. METAL DRIP EDGES SHALL BE SEALED AT ALL LAPS AND PENETRATIONS. EXPOSED END SHALL BE HEMMED.
 - B. DISSIMILAR METAL ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LINTELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS.
 - C. METAL DRIP EDGE BY ROOFING MANUFACTURER; ATTACH W/2" FASTENERS INTO SOLID SURFACE EVERY 24" O.C.
 - D. PROVIDE BAFFLES BETWEEN ROOF TRUSSES AT SOFFIT LOCATIONS FOR INSTALLATION OF SPRAY FOAM INSULATION. PROVIDE BAFFLES IN OTHER LOCATIONS AS REQUIRED.
 - E. BOTTOM COURSE OF EXTERIOR PLYWOOD SHEATHING SHALL BE PRESSURE TREATED.

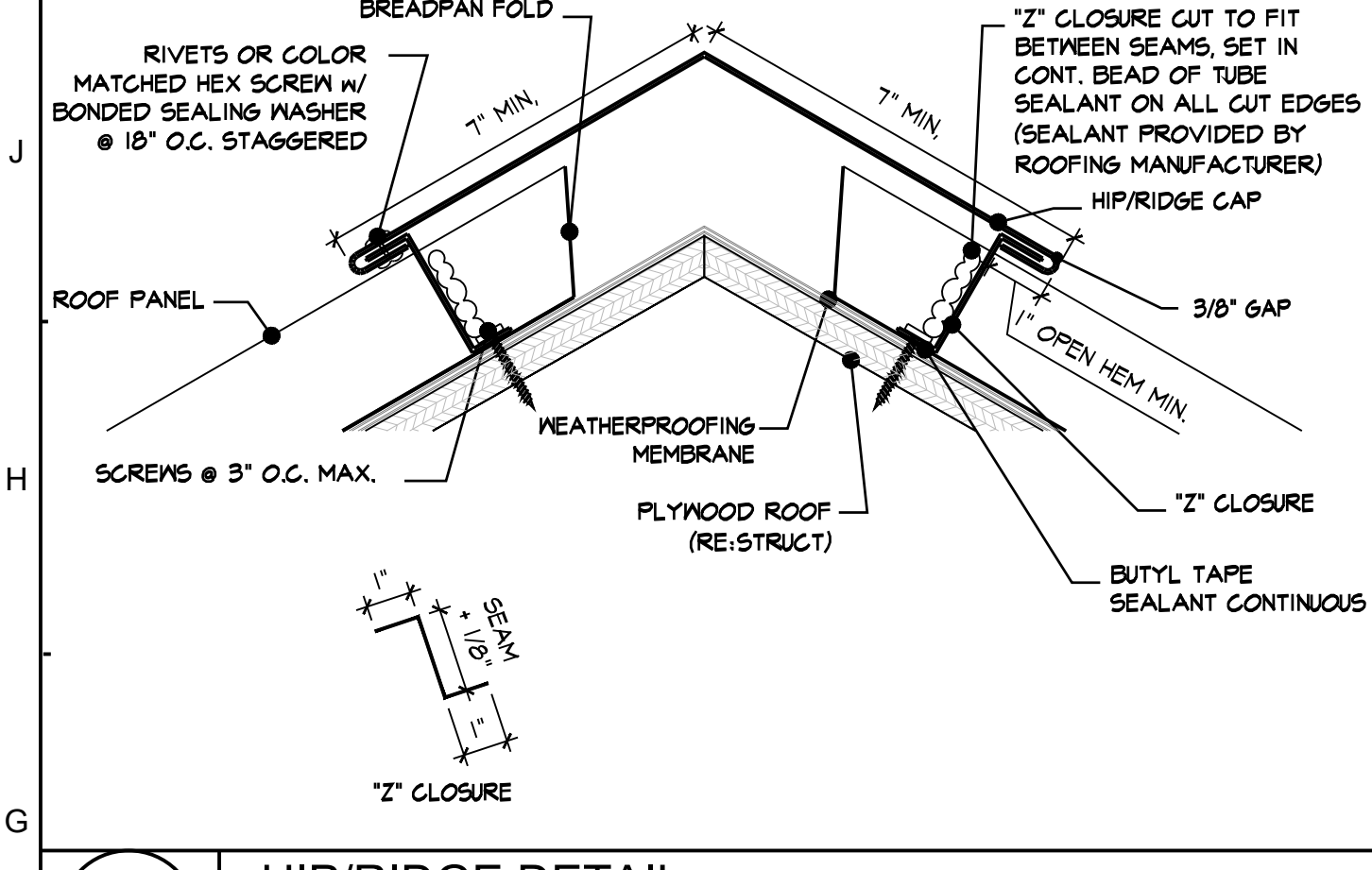
A1
A4.1
TYPICAL WALL SECTION @ MEETING ROOM
SCALE: 1 1/2"=1'-0"

A9
A4.1
WALL SECTION @ FRONT ENTRY
SCALE: 1 1/2"=1'-0"

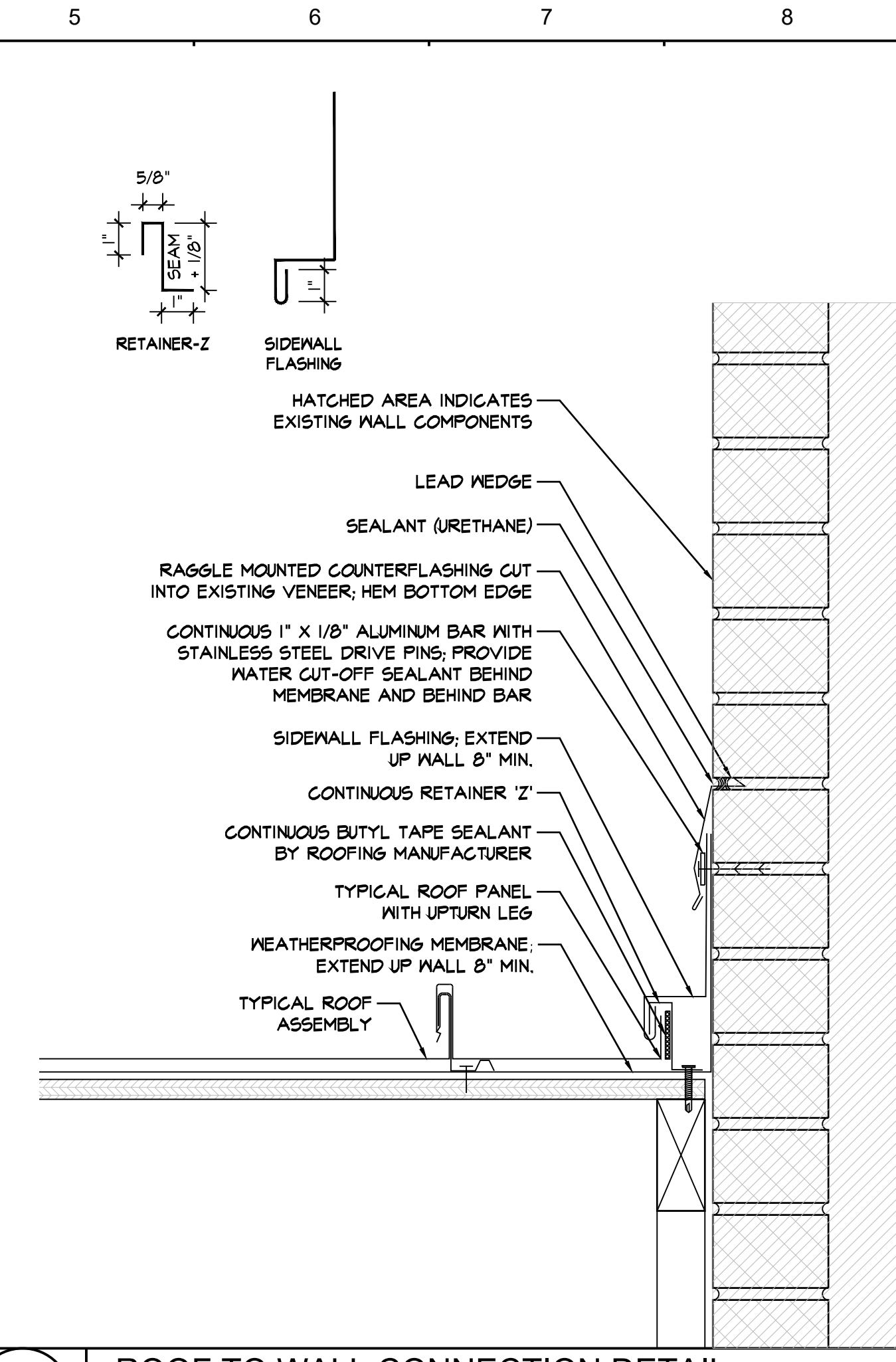
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|--|------|---|
| ***** BID SET ***** | | Tych & Walker ARCHITECTS, LLP 38 BLACKGUM ROAD, UNIT B PO BOX 509 PAWLEYS ISLAND, SC 29585 843-651-7151 mwalker@tychwalker.com |
| REVISION | DATE | |
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| ***** BID SET ***** | | 2018-04 03/31/2022 WALL SECTIONS |
| | | A4.1 |



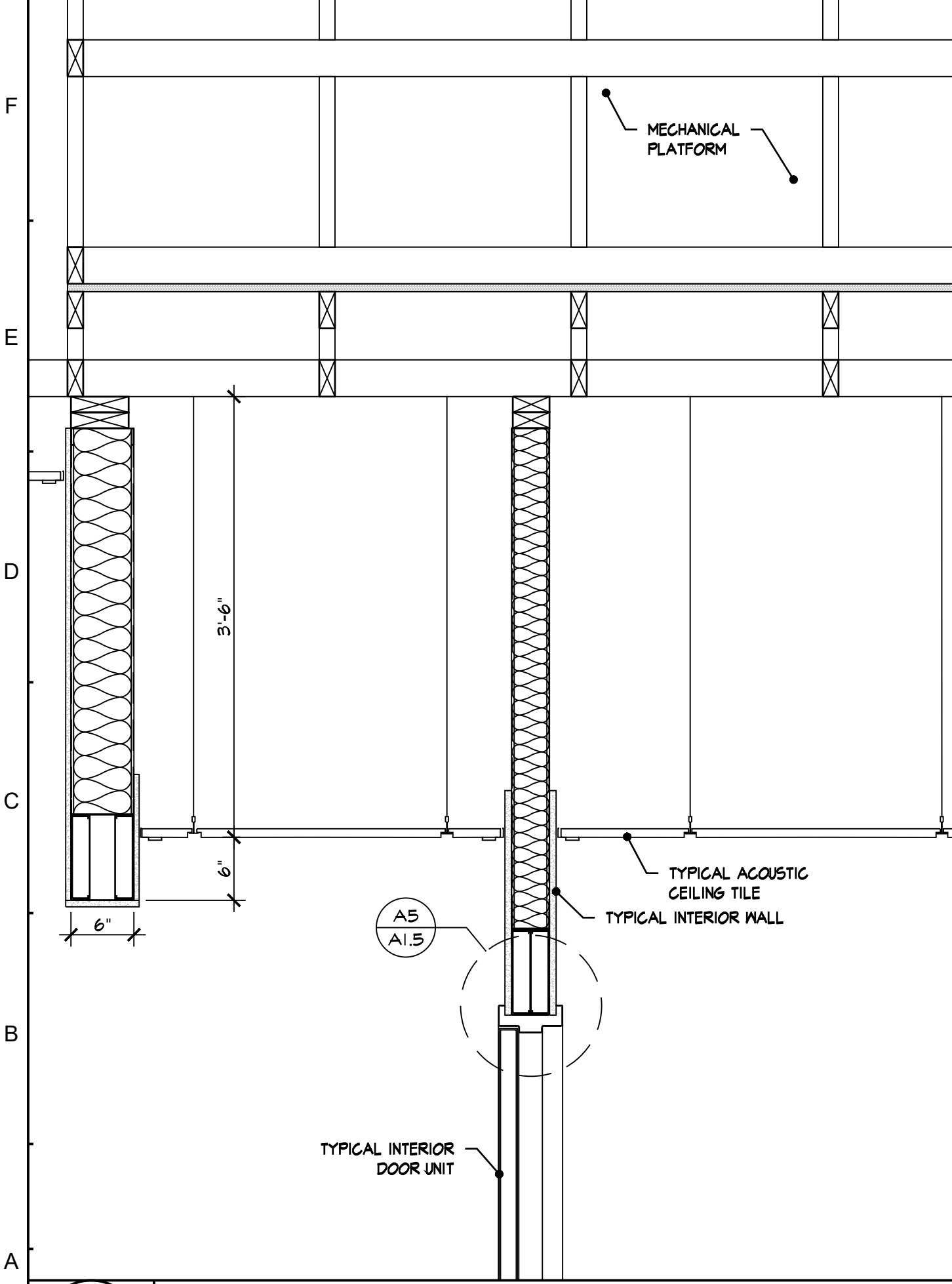
K1
A4.2
ROOF VALLEY
 NO SCALE



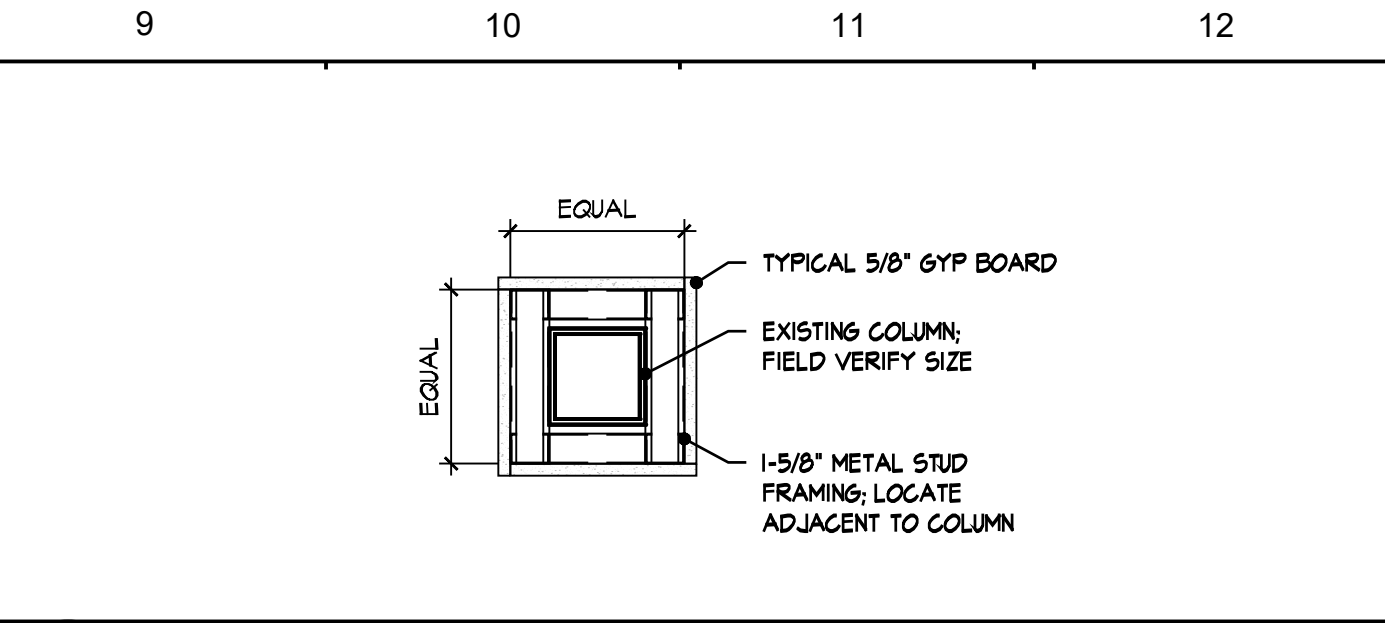
G1
A4.2
HIP/RIDGE DETAIL
 NO SCALE



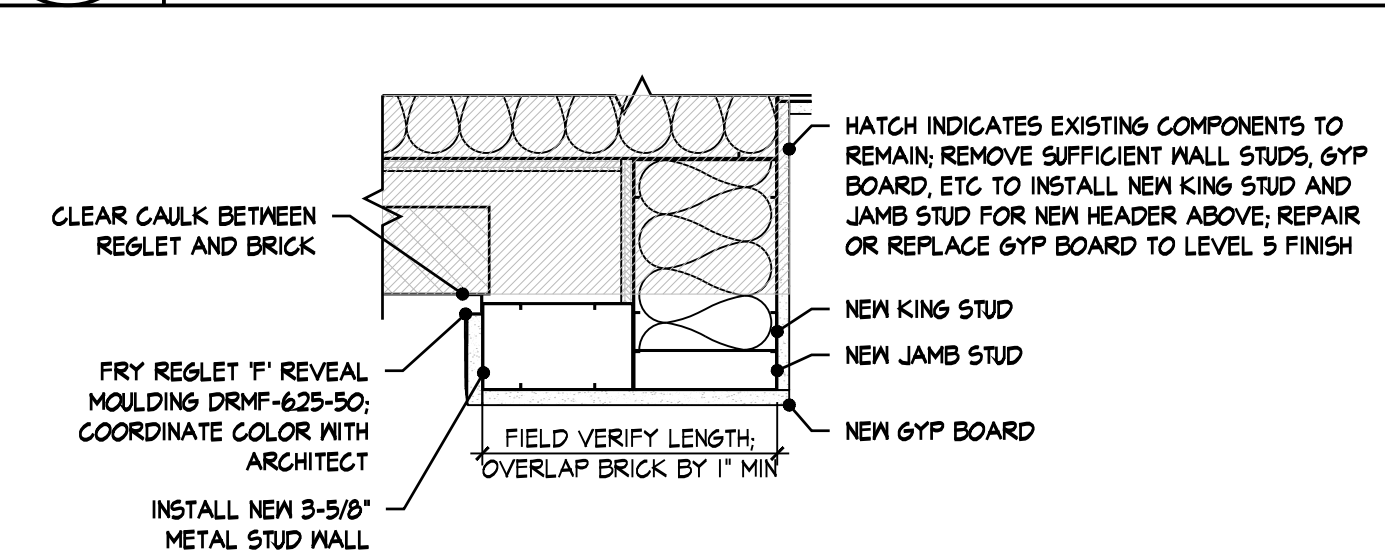
G5
A4.2
ROOF TO WALL CONNECTION DETAIL
 SCALE: 3"=1'-0"



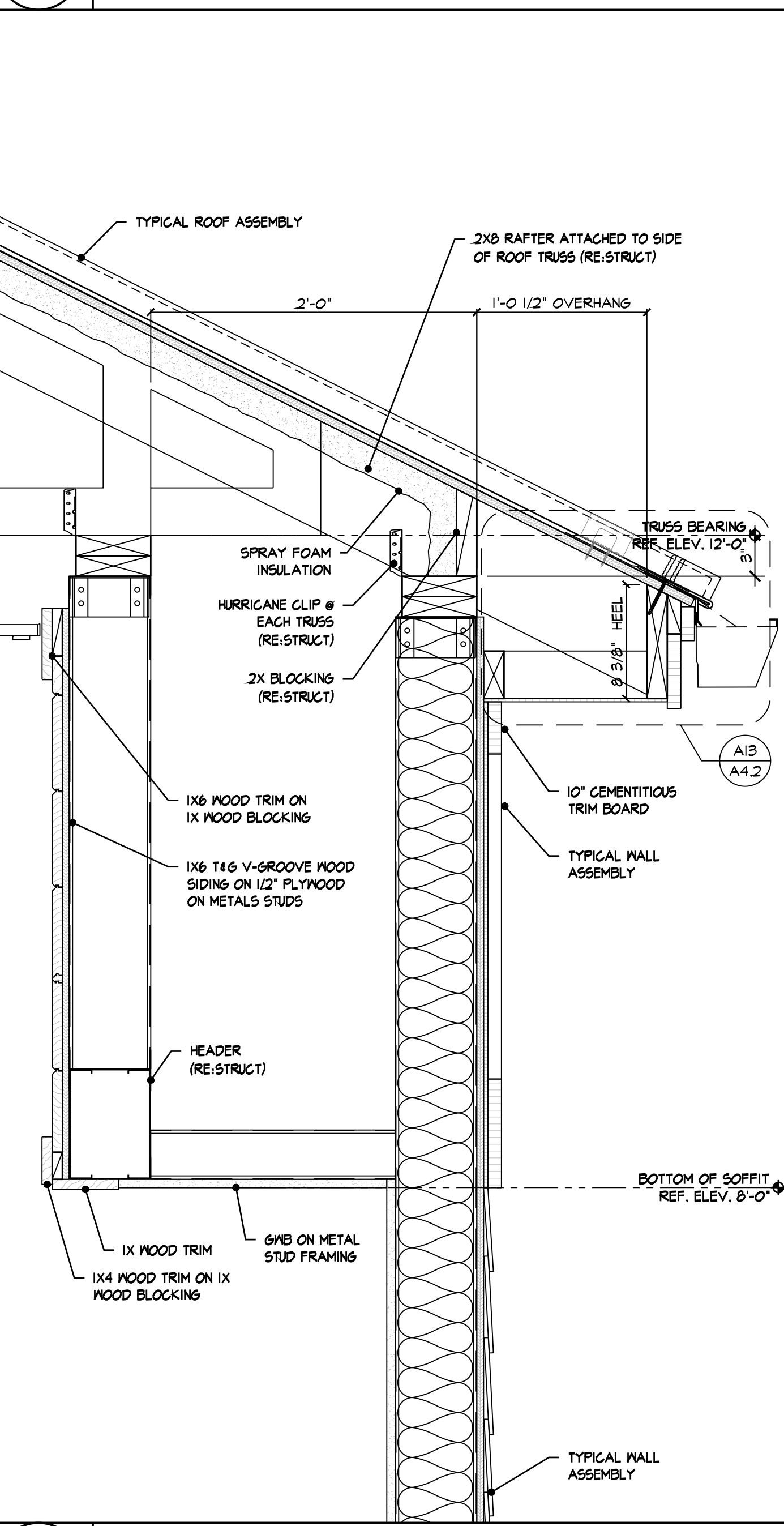
A1
A4.2
CEILING DETAIL @ MEETING ROOM ENTRY
 SCALE: 1"=1'-0"



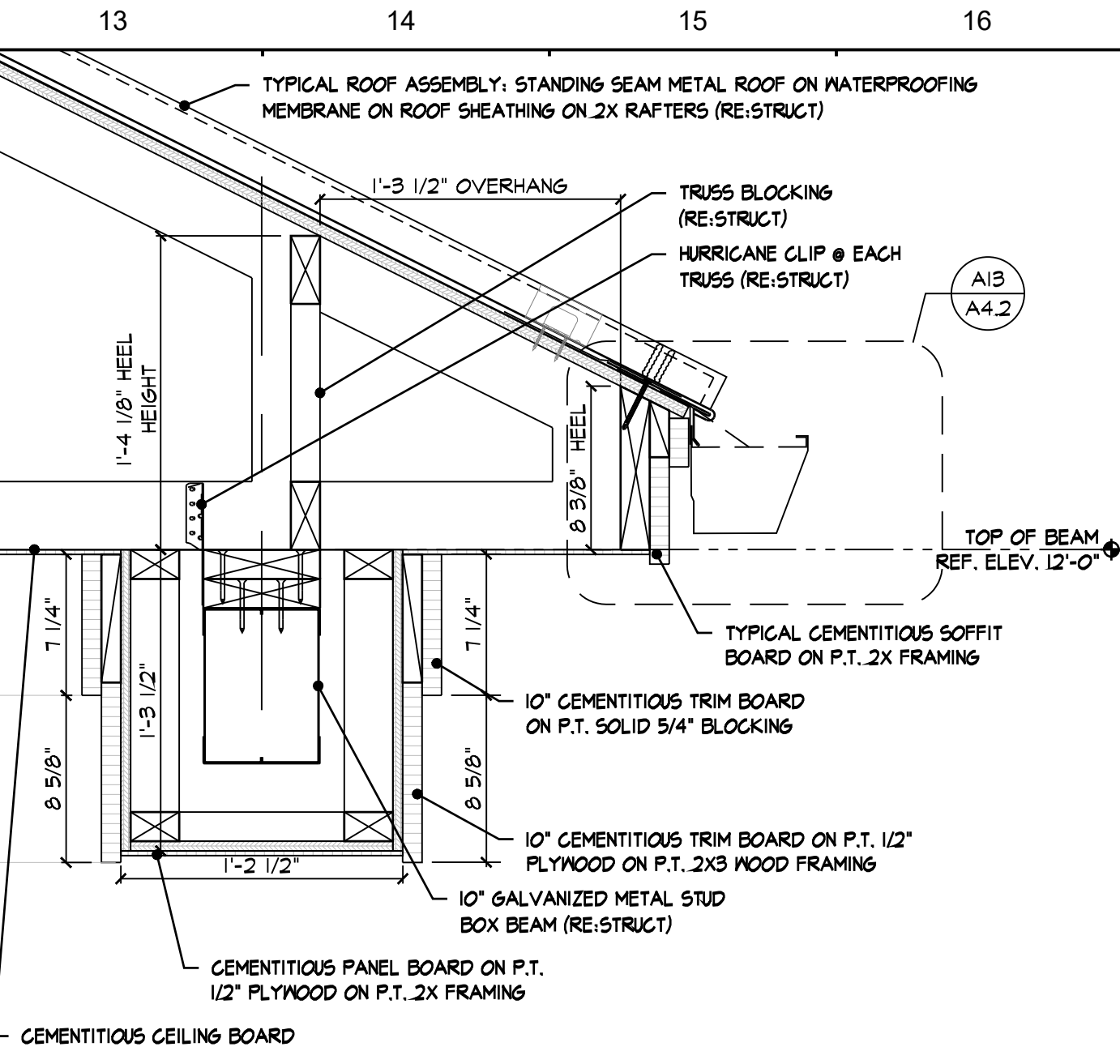
L9
A4.2
COLUMN DETAIL
 SCALE: 1 1/2"=1'-0"



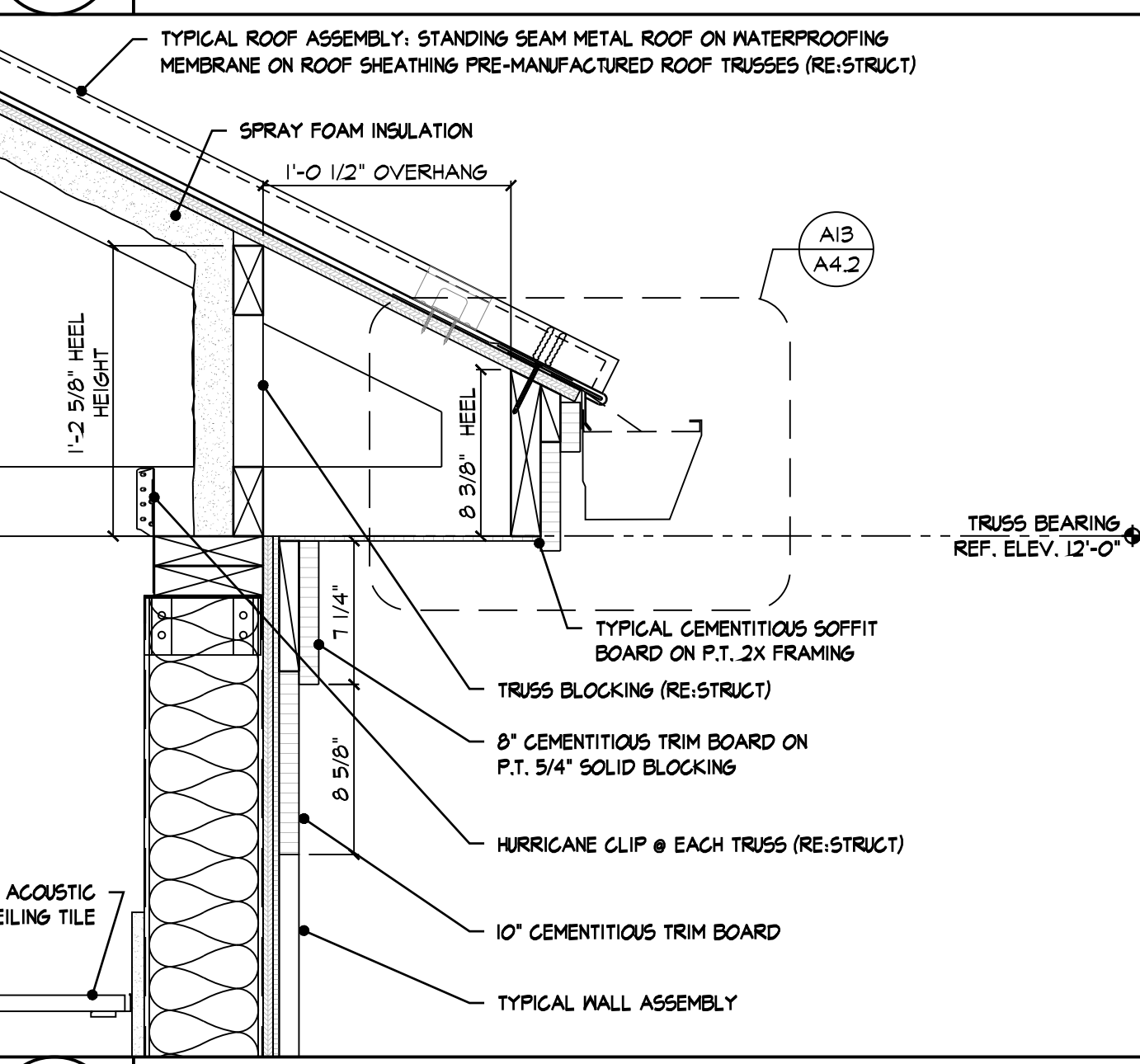
J9
A4.2
JAMB DETAIL
 SCALE: 1 1/2"=1'-0"



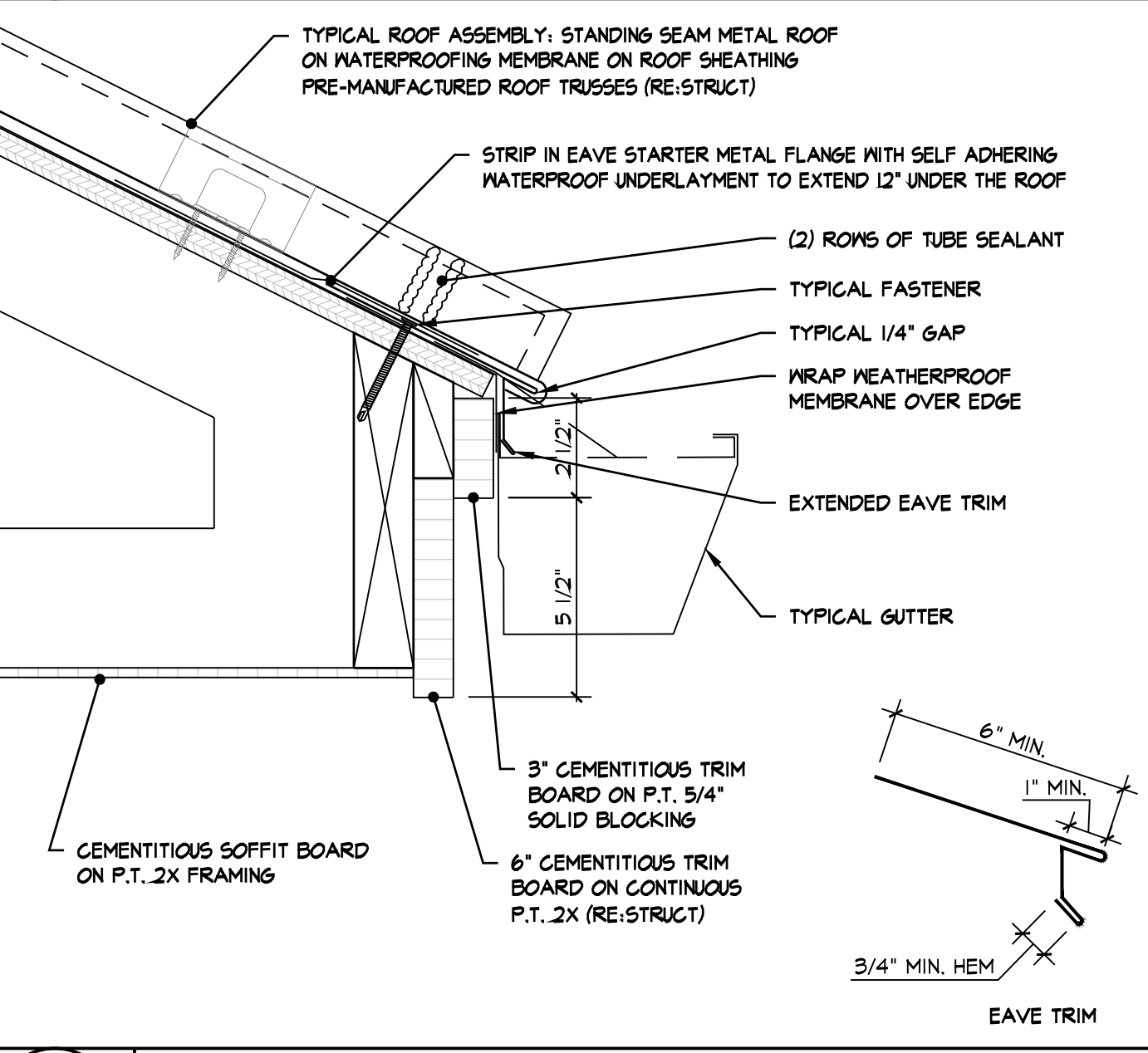
A9
A4.2
EAVE/SOFFIT @ LOBBY CASEWORK
 SCALE: 1 1/2"=1'-0"



J13
A4.2
TYPICAL PORCH EAVE DETAIL
 SCALE: 1 1/2"=1'-0"



E13
A4.2
TYPICAL ROOF EAVE
 SCALE: 1 1/2"=1'-0"



A13
A4.2
TYPICAL EAVE DETAIL
 SCALE: 3"=1'-0"

GENERAL NOTES

A. METAL DRIP EDGE FLASHING SHALL BE STAINLESS STEEL AND SHALL EXTEND 1/2" BEYOND THE FACE OF THE BRICK. THRU-WALL FLASHING MATERIAL SHALL EXTEND 1/2" MIN BEYOND THE EXTERIOR EDGE OF BRICK AND BE FULLY BONDED TO THE TOP SURFACE OF THE METAL DRIP EDGE WITH A MASTIC OR MANUFACTURER-APPROVED SEALANT. TRIM FLASHING AS DIRECTED BY ARCHITECT. METAL DRIP EDGES SHALL BE SEALED AT ALL LAPS AND PENETRATIONS. EXPOSED END SHALL BE HEMMED.

B. DISSIMILAR METAL ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LINTELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS.

C. PROVIDE BAFFLES BETWEEN ROOF TRUSSES AT SOFFIT LOCATIONS FOR INSTALLATION OF SPRAY FOAM INSULATION. PROVIDE BAFFLES IN OTHER LOCATIONS AS REQUIRED.

D. PROVIDE BAFFLES BETWEEN ROOF TRUSSES AT SOFFIT LOCATIONS FOR INSTALLATION OF SPRAY FOAM INSULATION. PROVIDE BAFFLES IN OTHER LOCATIONS AS REQUIRED.

E. BOTTOM COURSE OF EXTERIOR PLYWOOD SHEATHING SHALL BE PRESSURE TREATED.

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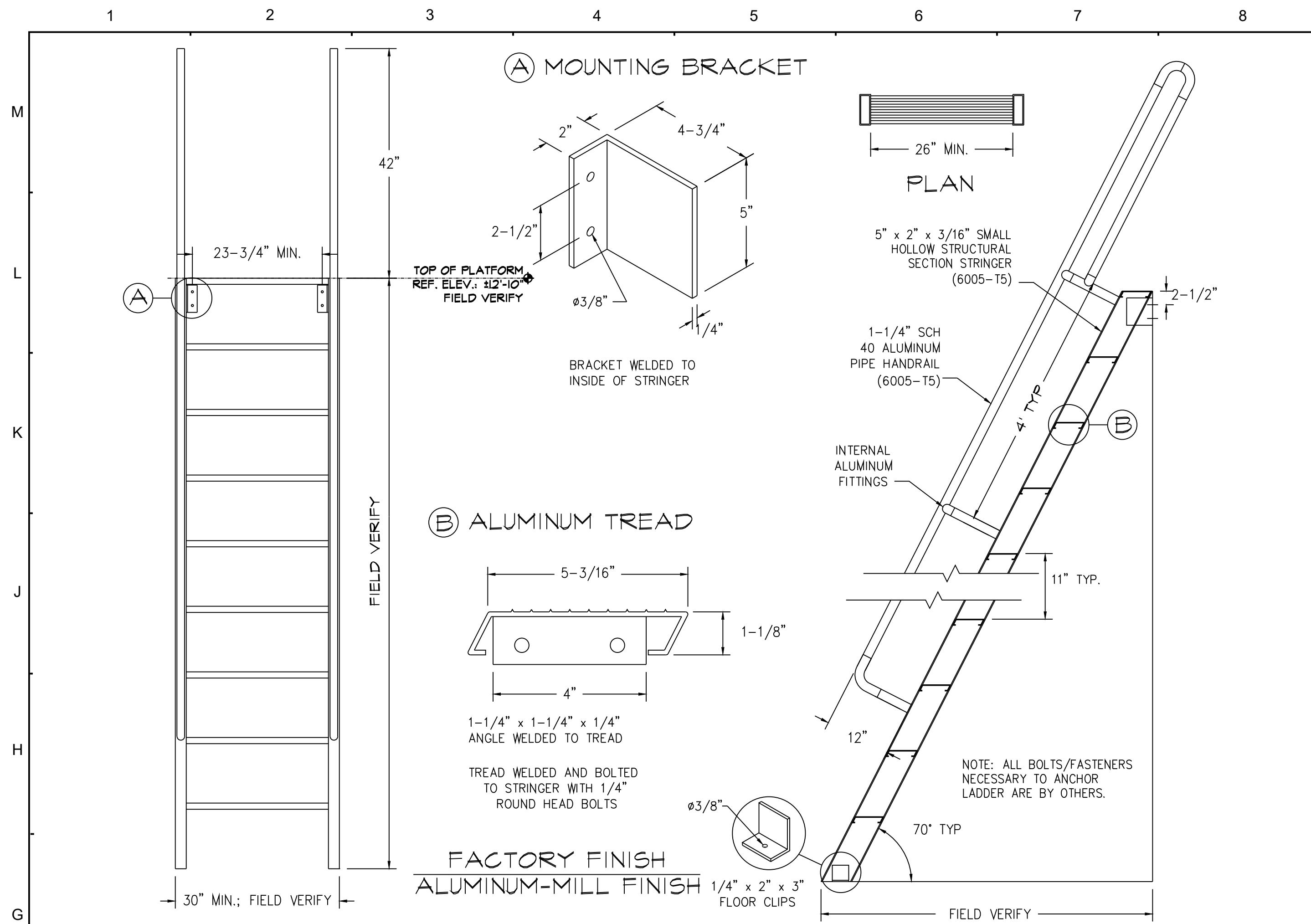
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 GEORGETOWN, SOUTH CAROLINA

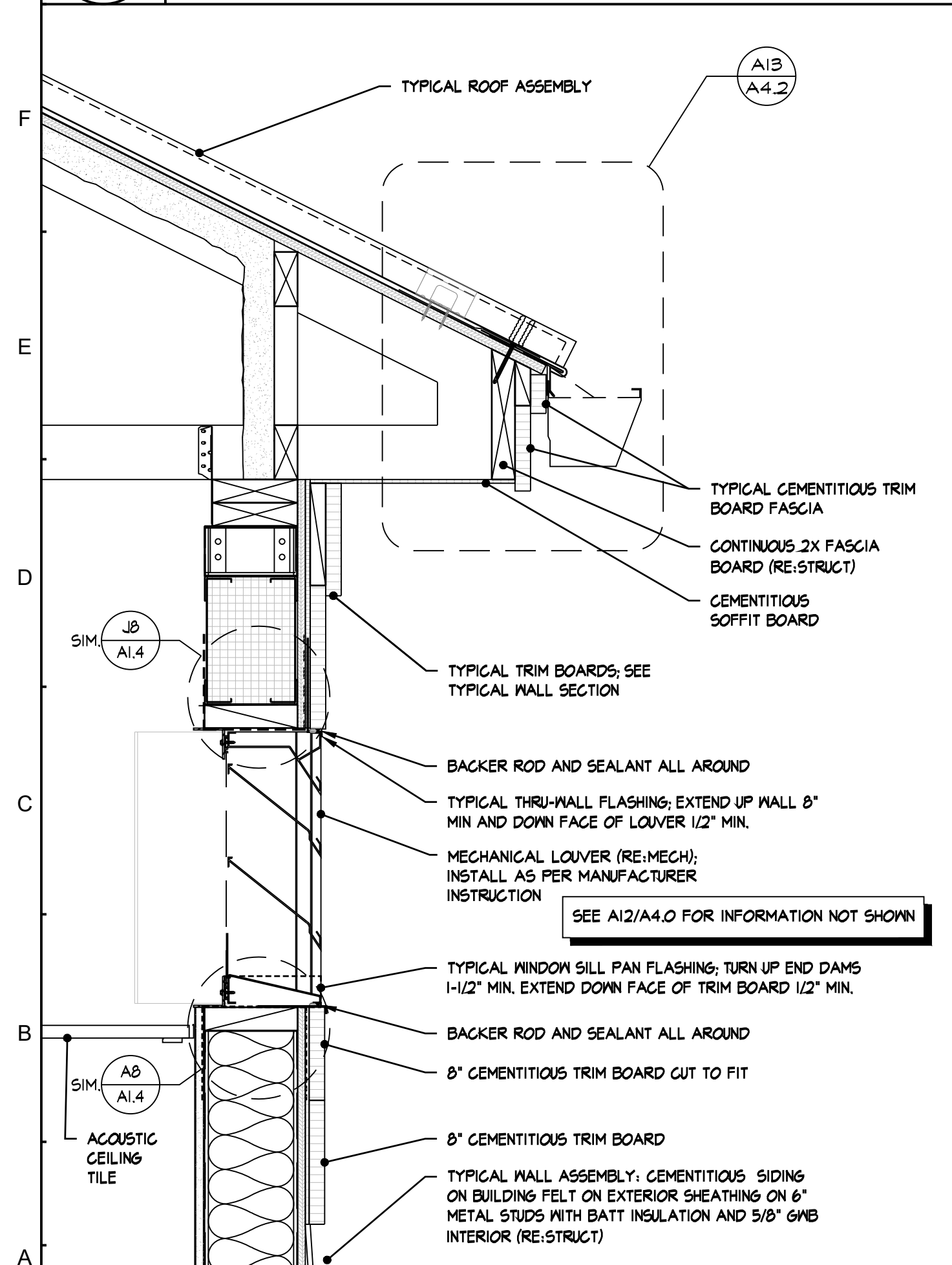
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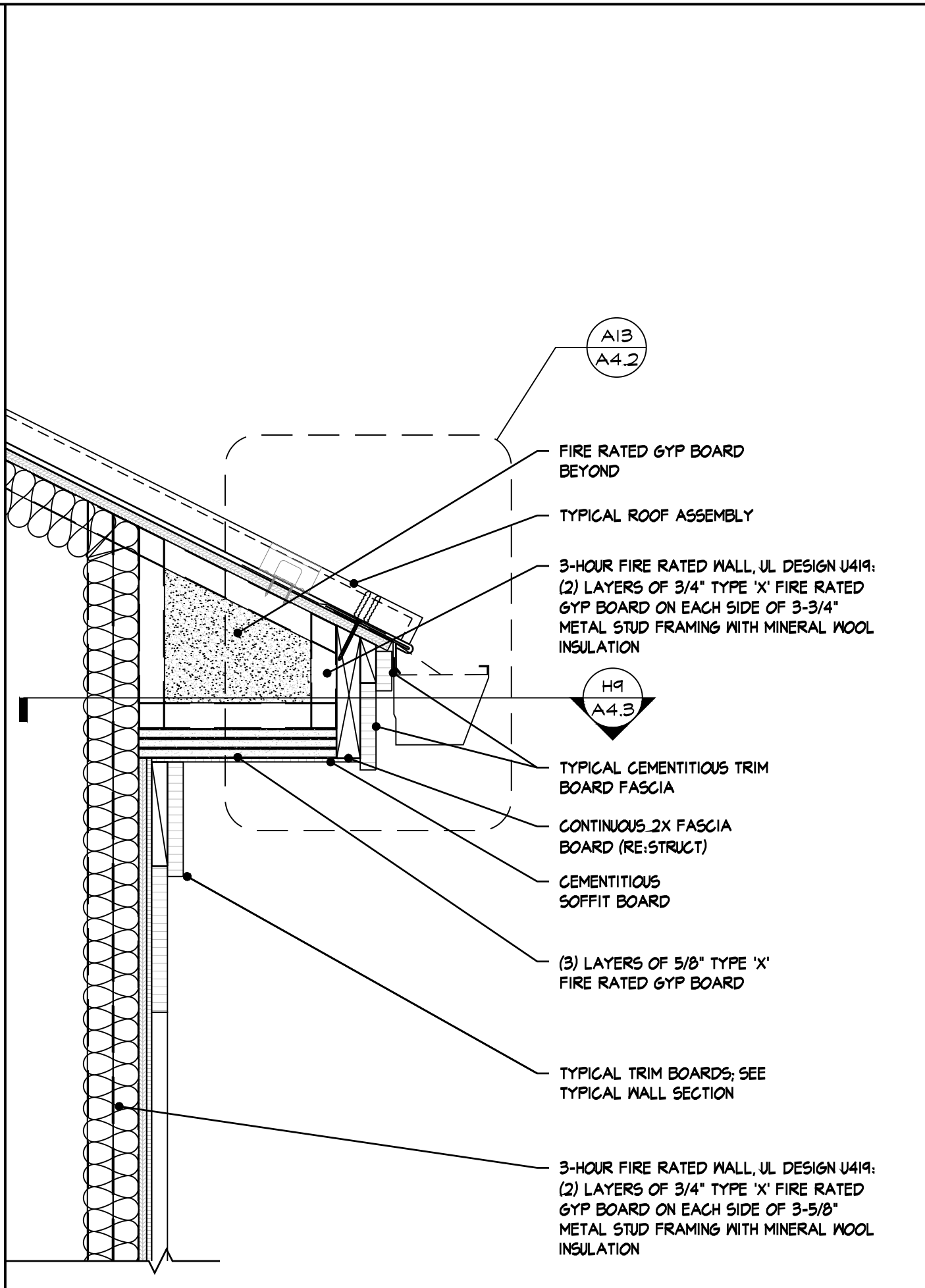
A4.2



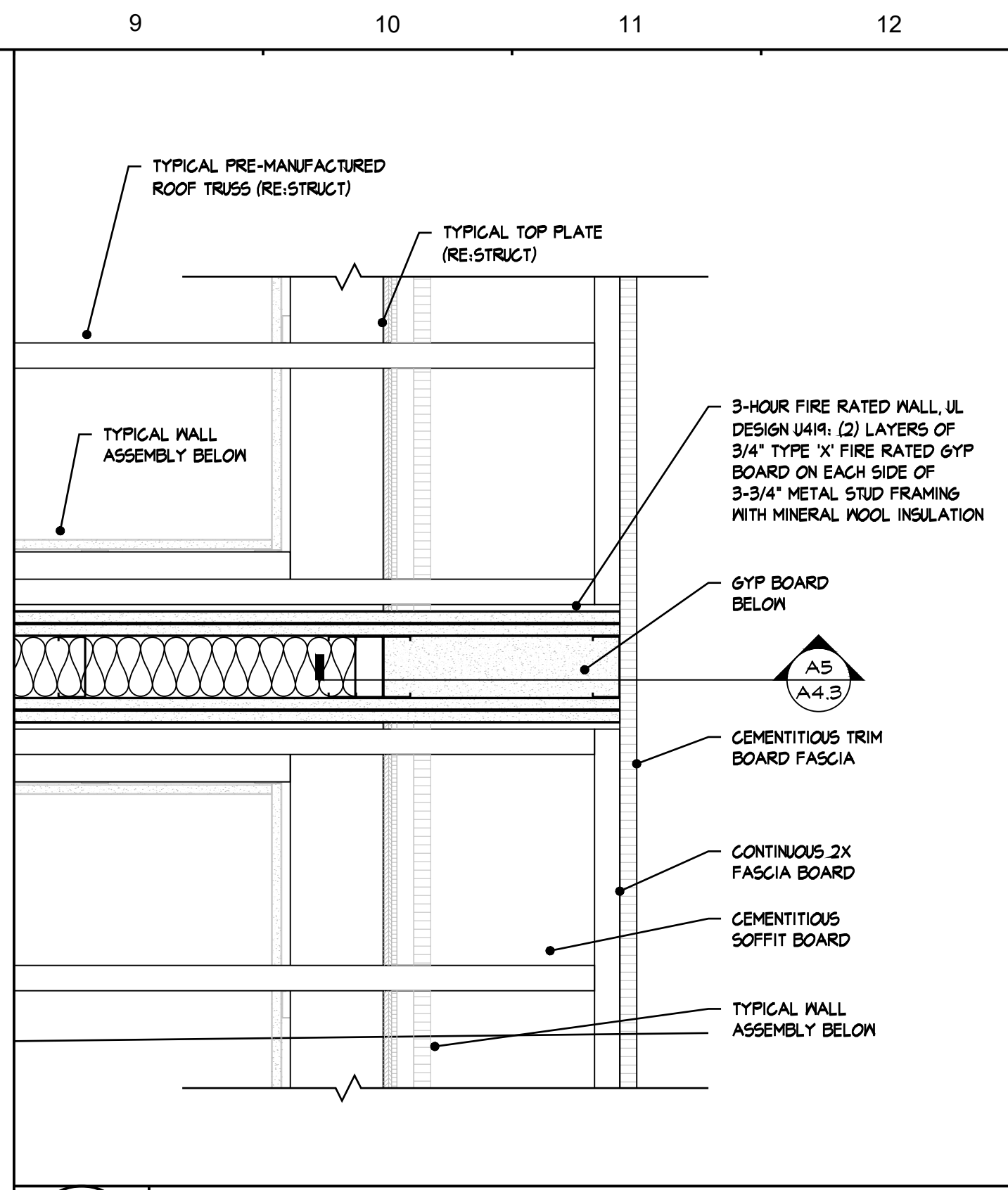
G1
A4.3
ALUMINUM SHIPS LADDER WITH WALK-THRU
NO SCALE



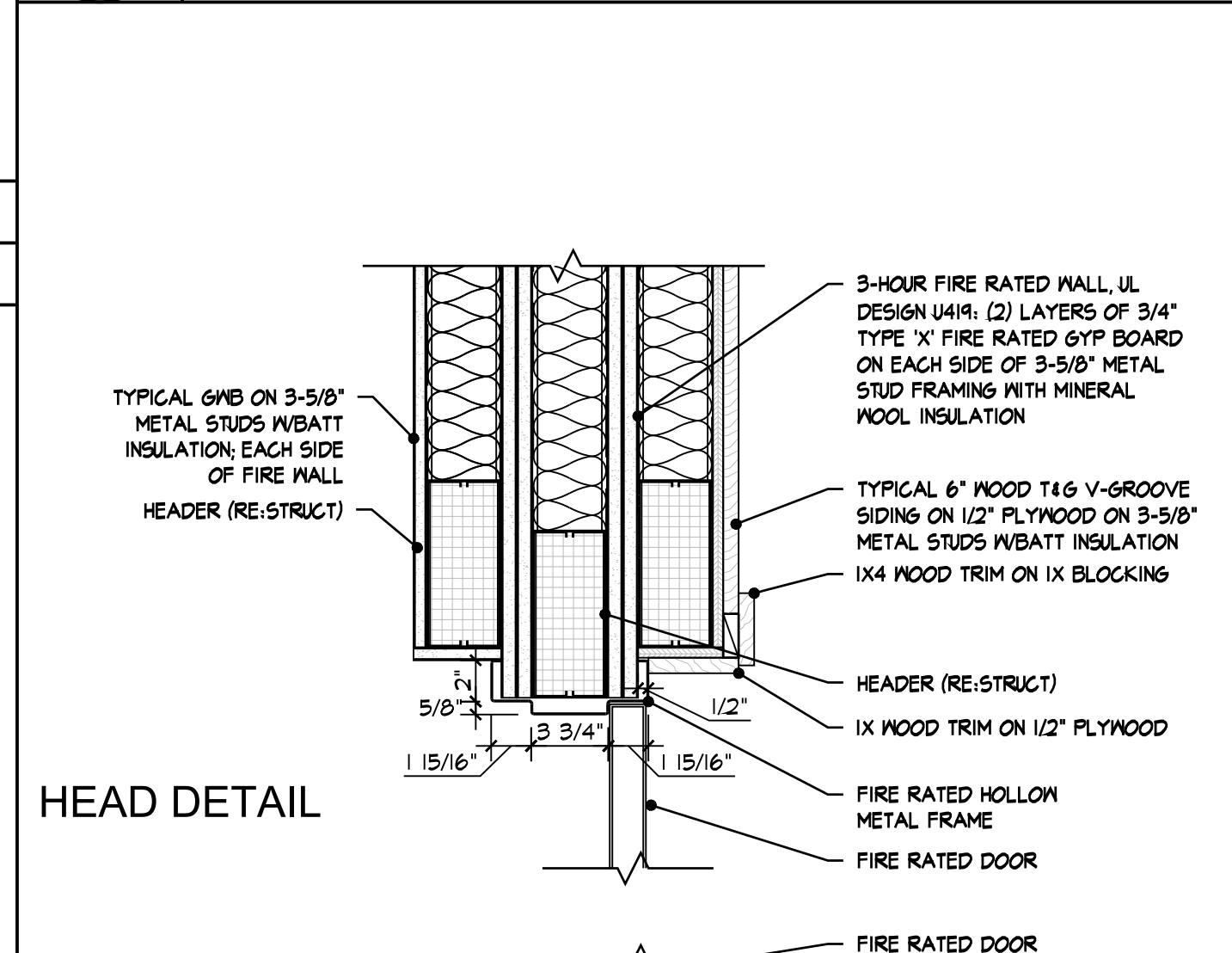
A1
A4.3
MECHANICAL LOUVER DETAIL
SCALE: 1 1/2" = 1'-0"



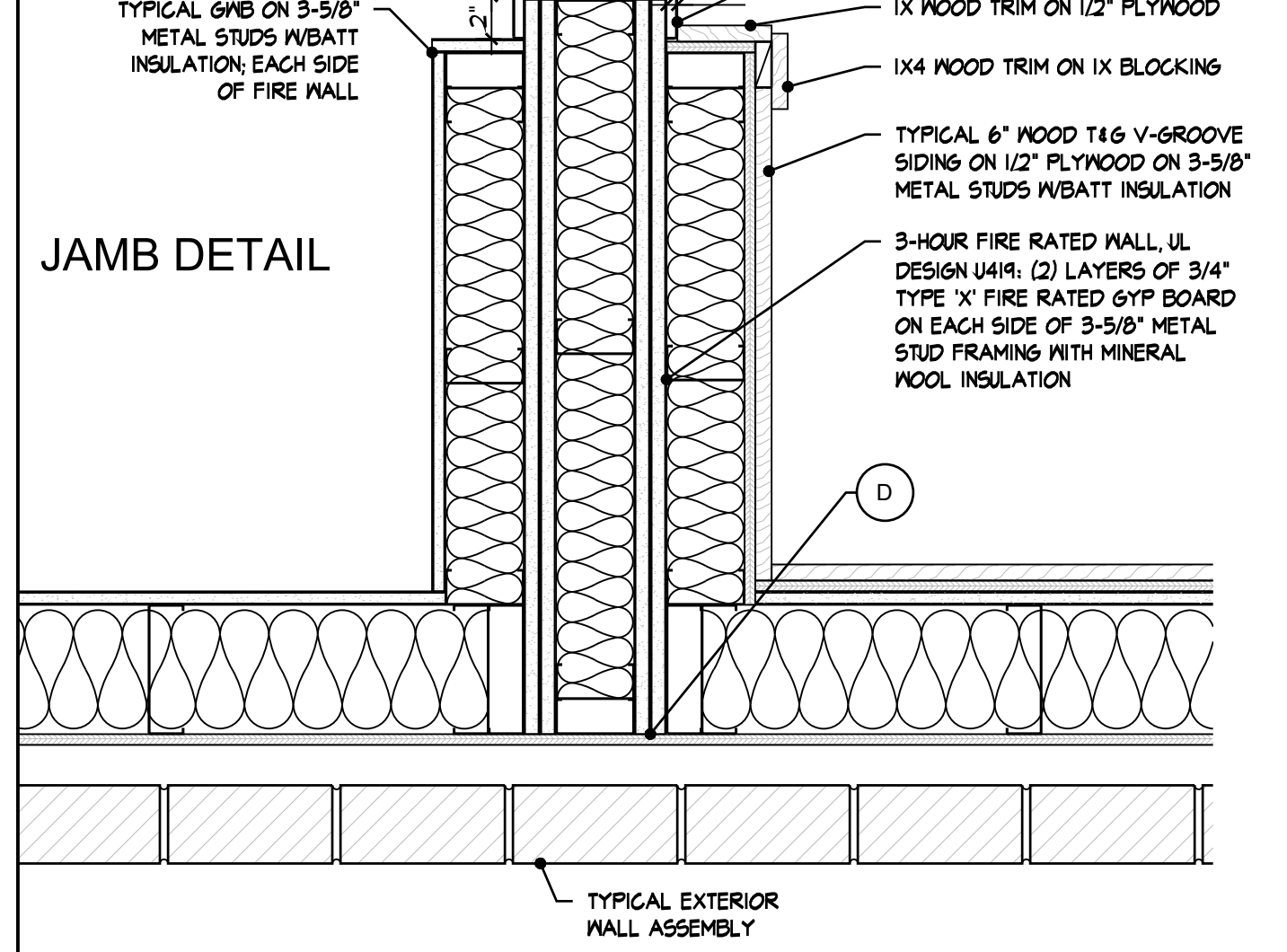
A5
A4.3
3-HOUR FIRE RATED WALL @ SOFFIT
SCALE: 1 1/2" = 1'-0"



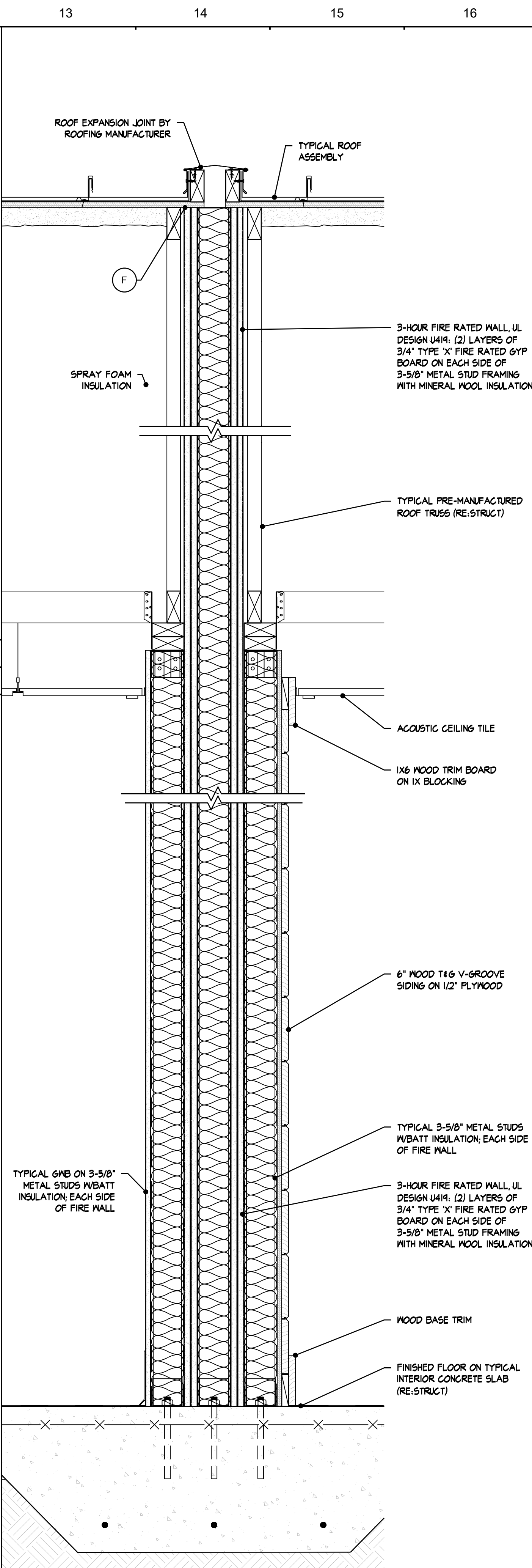
H9
A4.3
3-HOUR FIRE RATED WALL @ SOFFIT
SCALE: 1 1/2" = 1'-0"



A9
A4.3
DOOR @ 3-HOUR FIRE RATED WALL
SCALE: 1 1/2" = 1'-0"



A13
A4.3
3-HOUR FIRE RATED WALL
SCALE: 1 1/2" = 1'-0"



A13
A4.3
3-HOUR FIRE RATED WALL
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

- METAL DRIP EDGE FLASHING SHALL BE STAINLESS STEEL AND SHALL EXTEND 1/2" BEYOND THE FACE OF THE BRICK, THRU-WALL FLASHING MATERIAL SHALL EXTEND 1/2" MIN BEYOND THE EXTERIOR EDGE OF BRICK AND BE FULLY BONDED TO THE TOP SURFACE OF THE METAL DRIP EDGE WITH A MASTIC OR MANUFACTURER-APPROVED SEALANT. TRIM FLASHING AS DIRECTED BY ARCHITECT. METAL DRIP EDGES SHALL BE SEALED AT ALL LAPS AND PENETRATIONS. EXPOSED END SHALL BE HEMMED.
- DISSIMILAR METAL ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LITELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS.
- PROVIDE BAFFLES BETWEEN ROOF TRUSSES AT SOFFIT LOCATIONS FOR INSTALLATION OF SPRAY FOAM INSULATION. PROVIDE BAFFLES IN OTHER LOCATIONS AS REQUIRED.
- 2018 IBC CHAPTER 7, SECTION 706.5 HORIZONTAL PROJECTING ELEMENTS: FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF COMBUSTIBLE EXTERIOR SHEATHING OR SIDING PROVIDED THE EXTERIOR WALL HAS A FIRE-RESISTANCE RATING OF NOT LESS THAN 1-HOUR FOR A HORIZONTAL DISTANCE OF NOT LESS THAN 4 FEET ON BOTH SIDES OF THE FIRE WALL. EXTERIOR WALL DESIGN ON EACH SIDE OF FIRE WALL SHALL BE UL DESIGN UL-556 (STEEL STUDS SUBSTITUTED FOR WOOD STUDS). OPENINGS WITHIN SUCH EXTERIOR WALLS SHALL BE PROTECTED BY OPENING PROTECTIVES HAVING A FIRE PROTECTION RATINGS OF NOT LESS THAN 3/4 HOUR.
- 2018 IBC CHAPTER 7, SECTION 706.5.2 HORIZONTAL PROJECTING ELEMENTS: FIRE WALLS SHALL EXTEND TO THE OUTER EDGE OF HORIZONTAL PROJECTING ELEMENTS SUCH AS BALCONIES, ROOF OVERHANGS, CANOPIES, MARQUEES AND SIMILAR PROJECTIONS THAT ARE WITHIN 4 FEET OF THE FIRE WALL.
- 2018 IBC CHAPTER 7, SECTION 706.6 VERTICAL CONTINUITY: IN BUILDINGS OF TYPE III, IV AND V CONSTRUCTION, WALLS SHALL BE PERMITTED TO TERMINATE AT THE UNDERSIDE OF COMBUSTIBLE ROOF SHEATHING OR DECK, PROVIDED:
 - THERE ARE NO OPENINGS IN THE ROOF WITHIN 4 FEET OF THE FIRE WALL.
 - THE ROOF IS COVERED WITH A MINIMUM CLASS B ROOF COVERING, AND
 - THE ROOF SHEATHING OR DECK IS CONSTRUCTED OF FIRE-RETARDANT-TREATED WOOD FOR A DISTANCE OF 4 FEET ON BOTH SIDES OF THE WALL OR THE ROOF IS PROTECTED WITH 5/8-INCH TYPE 'X' GYP/SPM BOARD DIRECTLY BENEATH THE UNDERSIDE OF THE ROOF SHEATHING OR DECK, SUPPORTED BY NOT LESS THAN 2-INCH NOMINAL LEDGERS ATTACHED TO THE SIDES OF THE ROOF FRAMING MEMBERS FOR A DISTANCE OF NOT LESS THAN 4 FEET ON BOTH SIDES OF THE FIRE WALL.
- PROVIDE BAFFLES BETWEEN ROOF TRUSSES AT SOFFIT LOCATIONS FOR INSTALLATION OF SPRAY FOAM INSULATION. PROVIDE BAFFLES IN OTHER LOCATIONS AS REQUIRED.
- BOTTOM COURSE OF EXTERIOR PLYWOOD SHEATHING SHALL BE PRESSURE TREATED.

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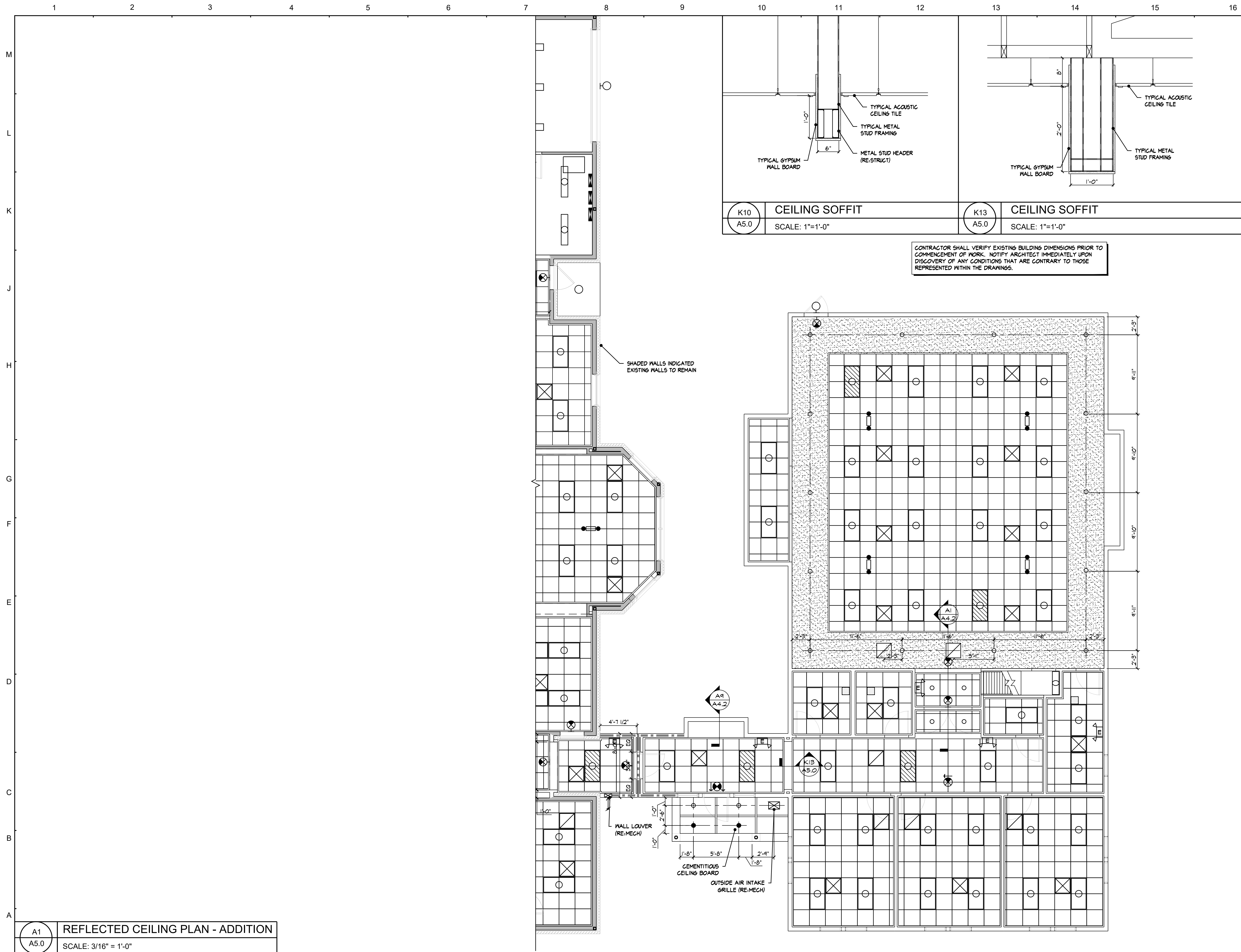
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2018-04
03/31/2022

BID SET
DETAILS

A4.3



K10
A5.0
CEILING SOFFIT
SCALE: 1"=1'-0"

K13
A5.0
CEILING SOFFIT
SCALE: 1"=1'-0"

CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.

GENERAL NOTES

- A. DIMENSIONS ARE TO FACE OF FINISH MATERIALS UNLESS NOTED OTHERWISE.
- B. SEE MECHANICAL DRAWINGS FOR ALL MECH SYMBOL INFORMATION.
- C. SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL SYMBOL INFORMATION.
- D. COORDINATE HEIGHTS OF LIGHTING FIXTURES, MECHANICAL GRILLES, AND INTERIOR MECHANICAL UNITS WITH ARCHITECT.
- E. ALL EXISTING CEILING AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, CEILING TILES, CEILING GRID, ELECTRICAL LIGHT FIXTURES, EXIT SIGNS, EMERGENCY LIGHTS, SECURITY FIXTURES, ETC. SHALL BE REMOVED. REPLACE FIXTURES WITH NEW UPGRADED FIXTURES; COORDINATE WORK WITH ELECTRICAL DRAWINGS AND SHEET ADJ.
- F. TYPICAL GYP BOARD CONTROL JOINT TO BE SPACED NO MORE THAN 8'-0" O.C. MAX. USE 1/2" WIDE REVEAL CONTROL JOINT REGLET.

SYMBOL LEGEND

- 2X4 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE, USED AS NIGHT LIGHT
- 1X4 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE, USED AS NIGHT LIGHT
- CAN LIGHT FIXTURE
- CAN LIGHT FIXTURE, USED AS NIGHT LIGHT
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT
- CEILING MOUNTED EXIT LIGHT
- WALL MOUNTED EXIT LIGHT
- MECH SUPPLY GRILLE, CEILING MOUNTED
- MECH RETURN GRILLE, CEILING MOUNTED
- PENDANT LIGHT FIXTURE
- LINEAR WALL DIFFUSER WITH AIR FLOW DIRECTION
- EMERGENCY BATTERY LIGHT, WALL MOUNTED
- EXHAUST FAN
- MIRROR WITH LED LIGHT SURROUND
- CEILING MOUNTED LIGHT FIXTURE
- EMERGENCY BATTERY LIGHT, CEILING MOUNTED

BID SET

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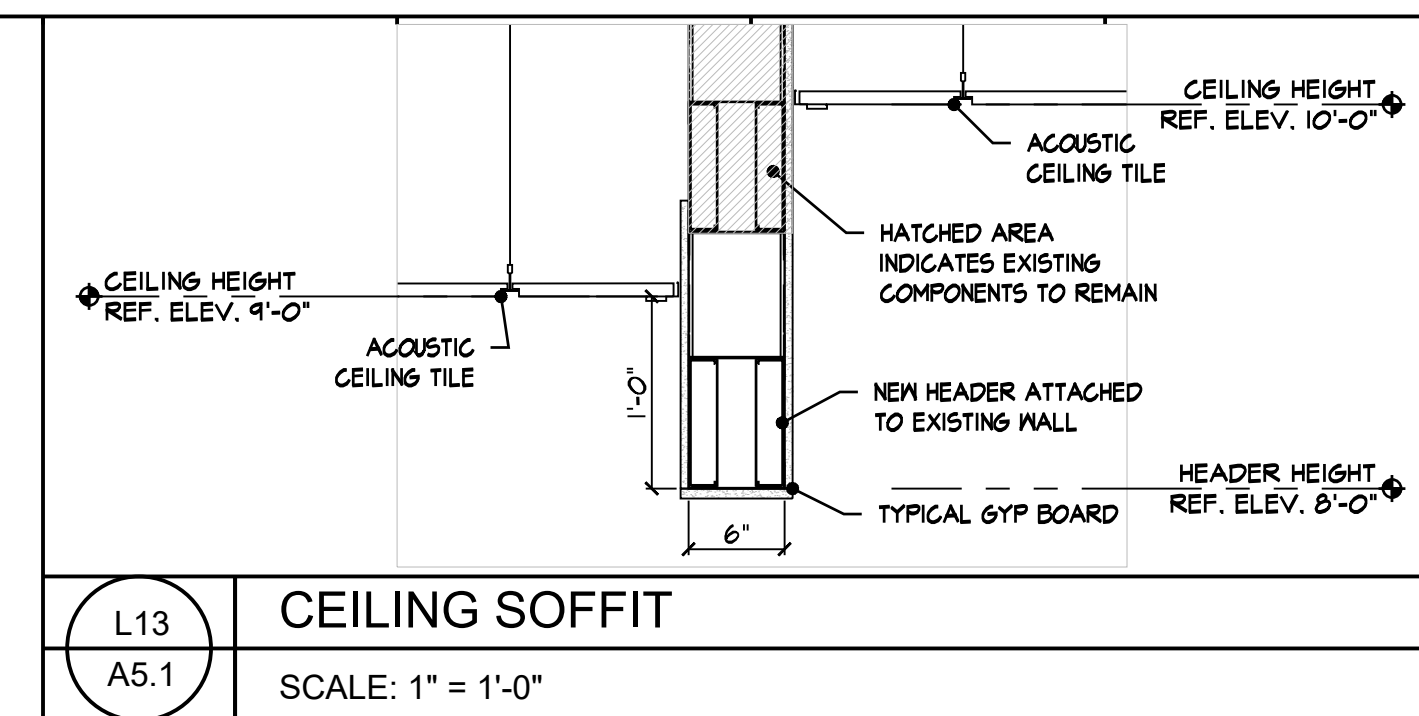
REFLECTED CEILING PLAN - ADDITION

A5.0

A1
A5.0
REFLECTED CEILING PLAN - ADDITION
SCALE: 3/16" = 1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

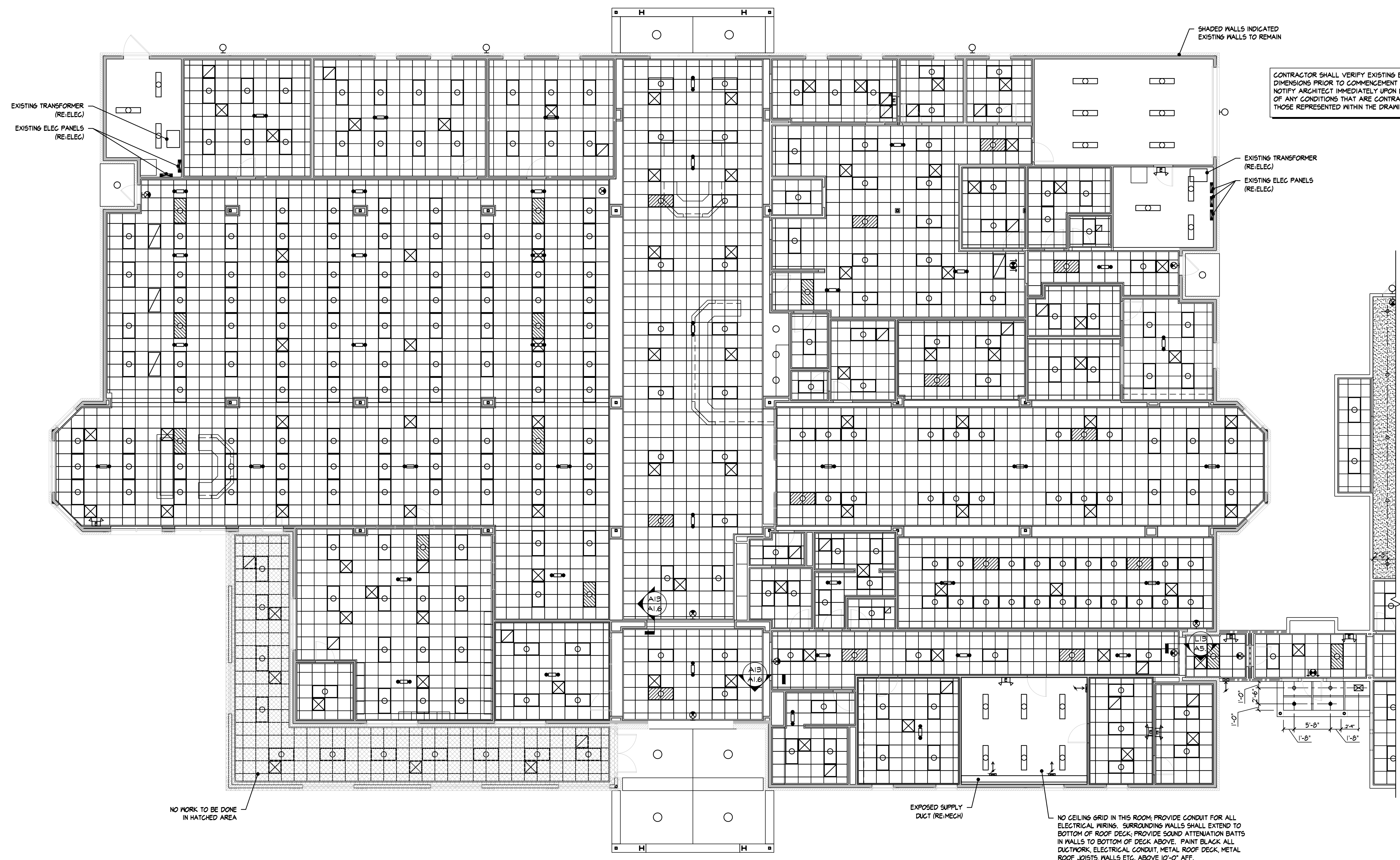
M
L
K
J
H
G
F
E
D
C
B
A



- ### GENERAL NOTES
- DIMENSIONS ARE TO FACE OF FINISH MATERIALS UNLESS NOTED OTHERWISE.
 - SEE MECHANICAL DRAWINGS FOR ALL MECH SYMBOL INFORMATION.
 - SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL SYMBOL INFORMATION.
 - COORDINATE HEIGHTS OF LIGHTING FIXTURES, MECHANICAL GRILLES, AND INTERIOR MECHANICAL UNITS WITH ARCHITECT.
 - IN EXISTING BUILDING (RENOVATION), REMOVE ALL EXISTING CEILING GRIDS AND ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO: CEILING TILES, CEILING GRID, ELECTRICAL LIGHT FIXTURES, EXIT SIGNS, EMERGENCY LIGHTS, SECURITY FIXTURES, ETC. INSTALL NEW CEILING GRID AND ELECTRICAL FIXTURES; COORDINATE WORK WITH ELECTRICAL DRAWINGS AND SHEET ADJ.
 - TYPICAL GYP BOARD CONTROL JOINT TO BE SPACED NO MORE THAN 8'-0" O.C. MAX. USE 1/2" WIDE REVEAL CONTROL JOINT REGLET.

- ### SYMBOL LEGEND
- 2X4 LIGHT FIXTURE
 - 2X4 LIGHT FIXTURE, USED AS NIGHT LIGHT
 - 1X4 LIGHT FIXTURE
 - 1X4 LIGHT FIXTURE, USED AS NIGHT LIGHT
 - CAN LIGHT FIXTURE
 - CAN LIGHT FIXTURE, USED AS NIGHT LIGHT
 - WALL MOUNTED LIGHT FIXTURE
 - WALL MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT
 - CEILING MOUNTED EXIT LIGHT
 - WALL MOUNTED EXIT LIGHT
 - MECH SUPPLY GRILLE, CEILING MOUNTED
 - MECH RETURN GRILLE, CEILING MOUNTED
 - PENDANT LIGHT FIXTURE
 - LINEAR WALL DIFFUSER/WITH AIR FLOW DIRECTION
 - EMERGENCY BATTERY LIGHT, WALL MOUNTED
 - EXHAUST FAN
 - MIRROR WITH LED LIGHT SURROUND
 - CEILING MOUNTED LIGHT FIXTURE
 - EMERGENCY BATTERY LIGHT, CEILING MOUNTED

CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.



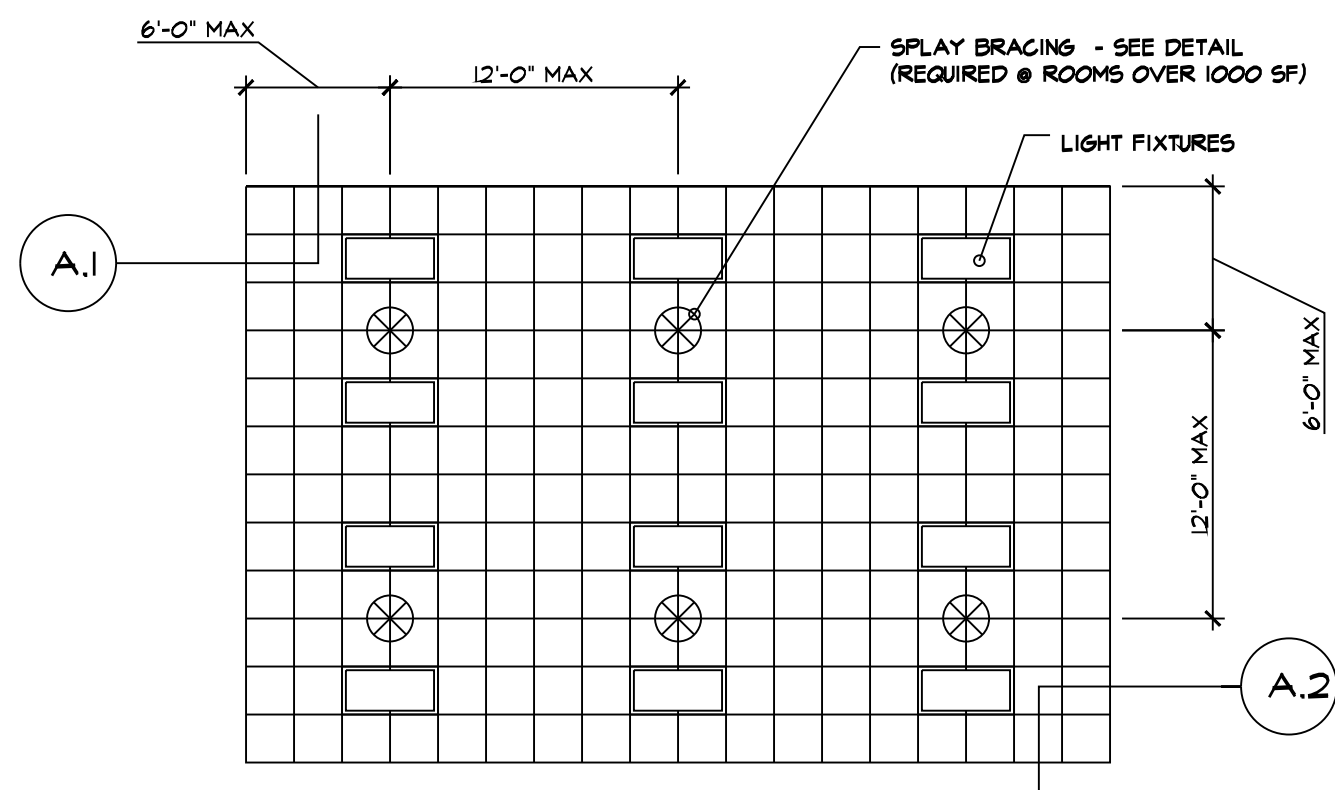
A1 REFLECTED CEILING PLAN - RENOVATION
SCALE: 1/8" = 1'-0"

| | | |
|--|------|---|
| ***** BID SET ***** | | TYCH & WALKER ARCHITECTS, LLP 38 BLACKGUM ROAD, UNIT B PO BOX 509 PAWLEYS ISLAND, SC 29585 843-659-7151 mwalker@tychwalker.com |
| REVISION | DATE | |
| AN ADDITION AND RENOVATION TO THE GEORGETOWN COUNTY LIBRARY - HEADQUARTERS GEORGETOWN, SOUTH CAROLINA | | |
| ***** BID SET ***** | | 2018-04 03/31/2022 PARTIAL REFLECTED CEILING PLAN A5.1 |

SEISMIC REQUIREMENTS FOR CEILINGS 144 GSF OR GREATER

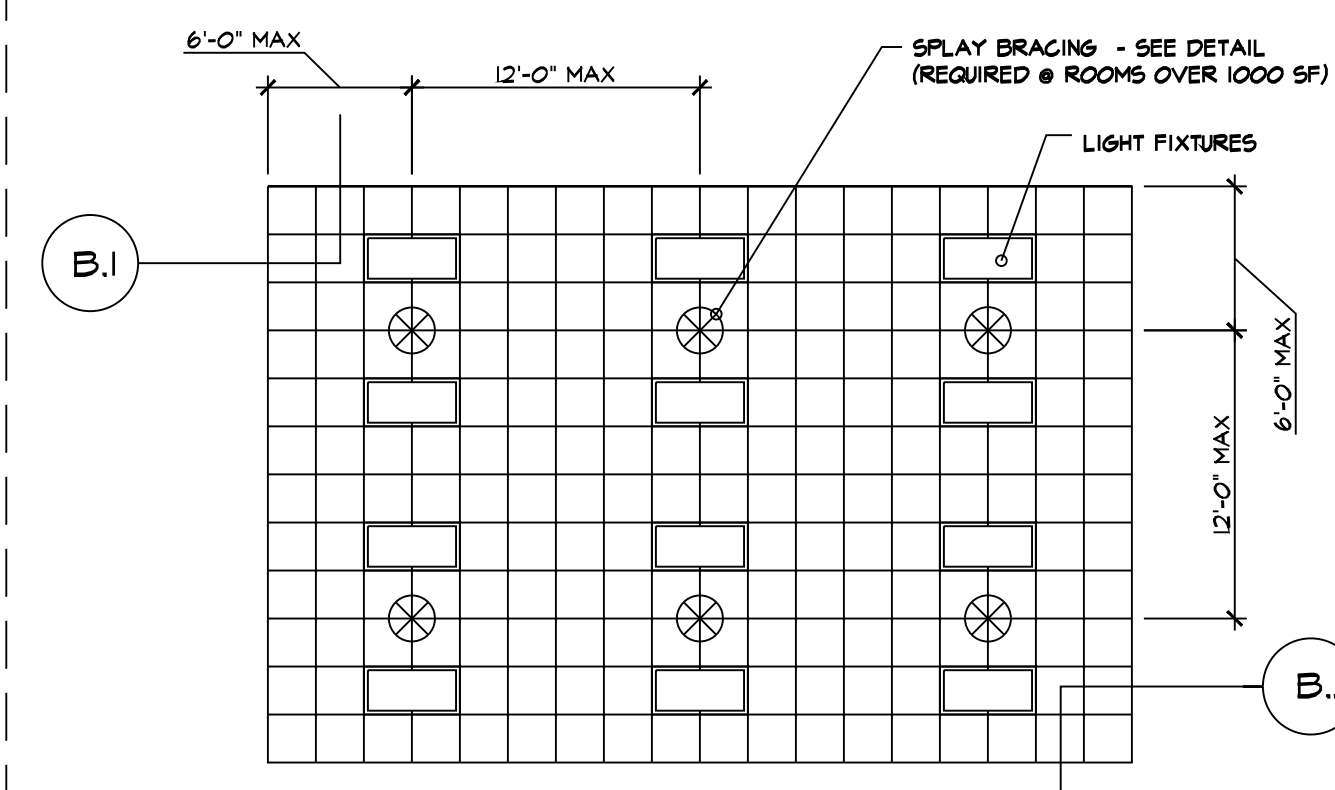
GENERAL NOTES

OPTION A



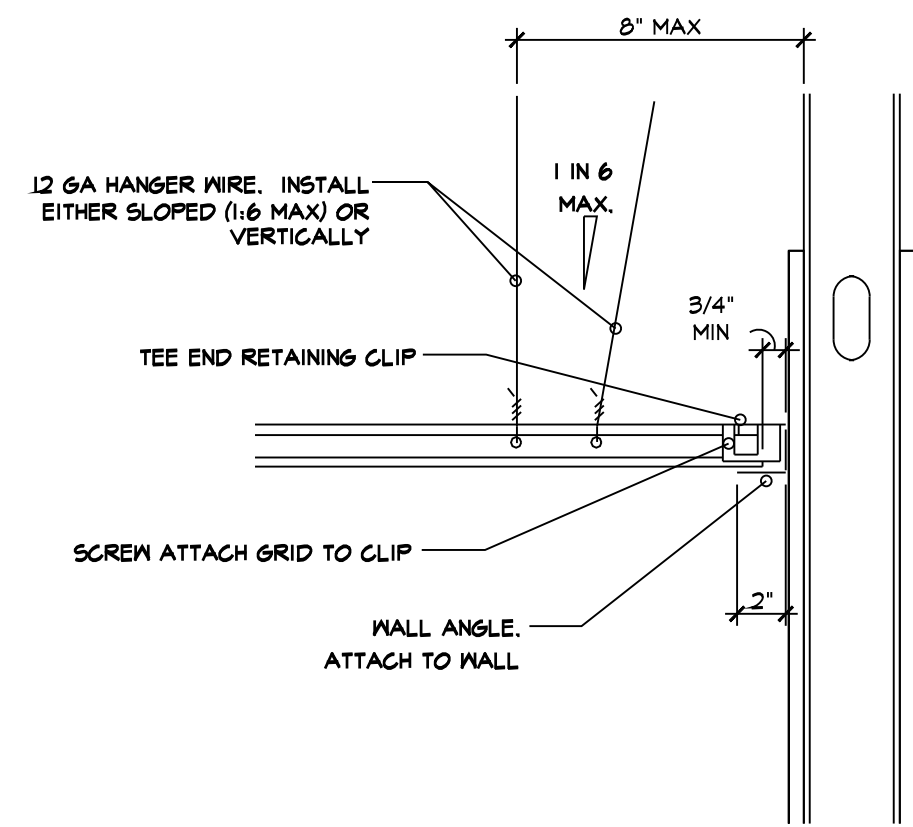
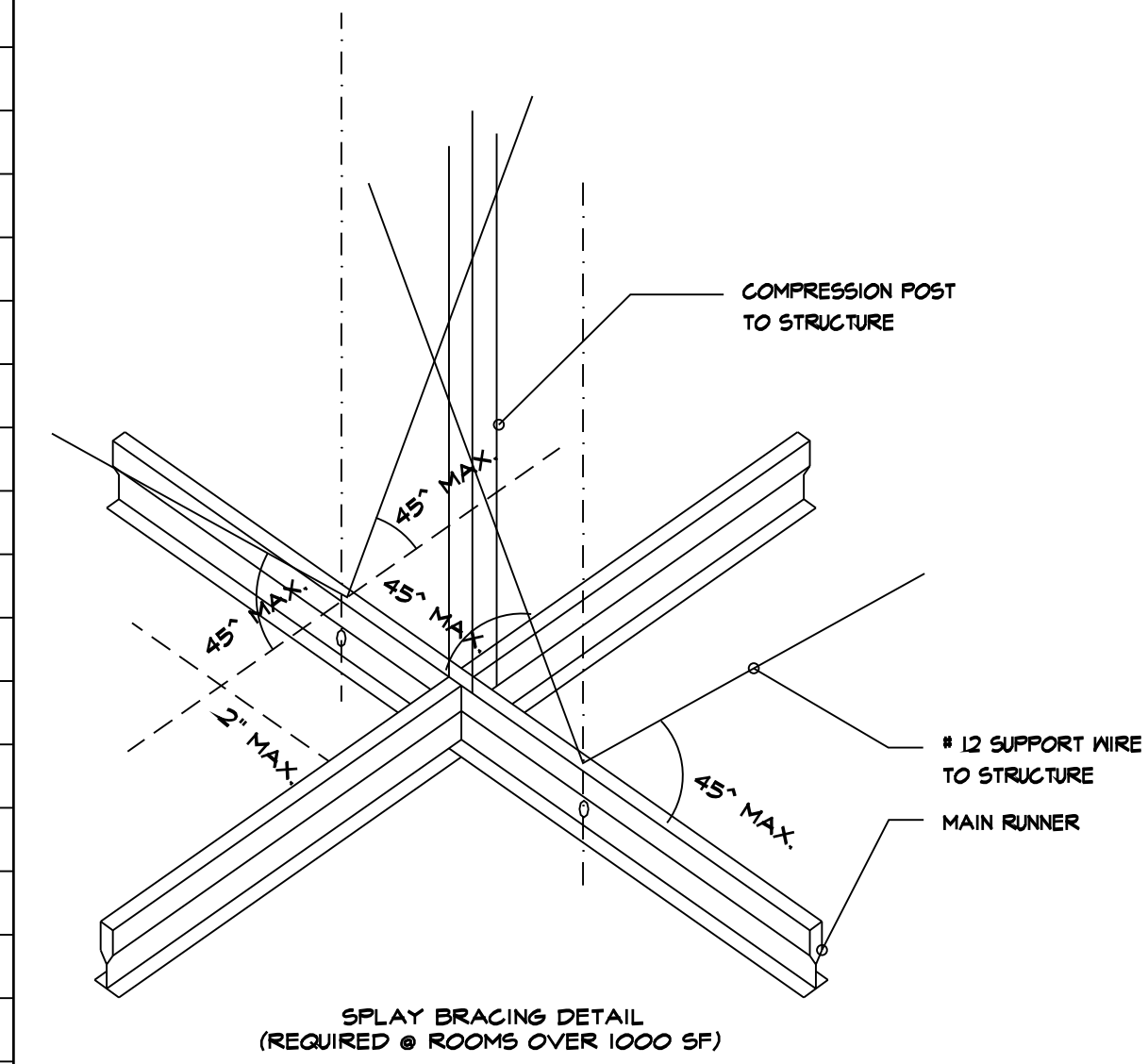
TYPICAL GRID PERIMETER DETAIL LOCATIONS

OPTION B

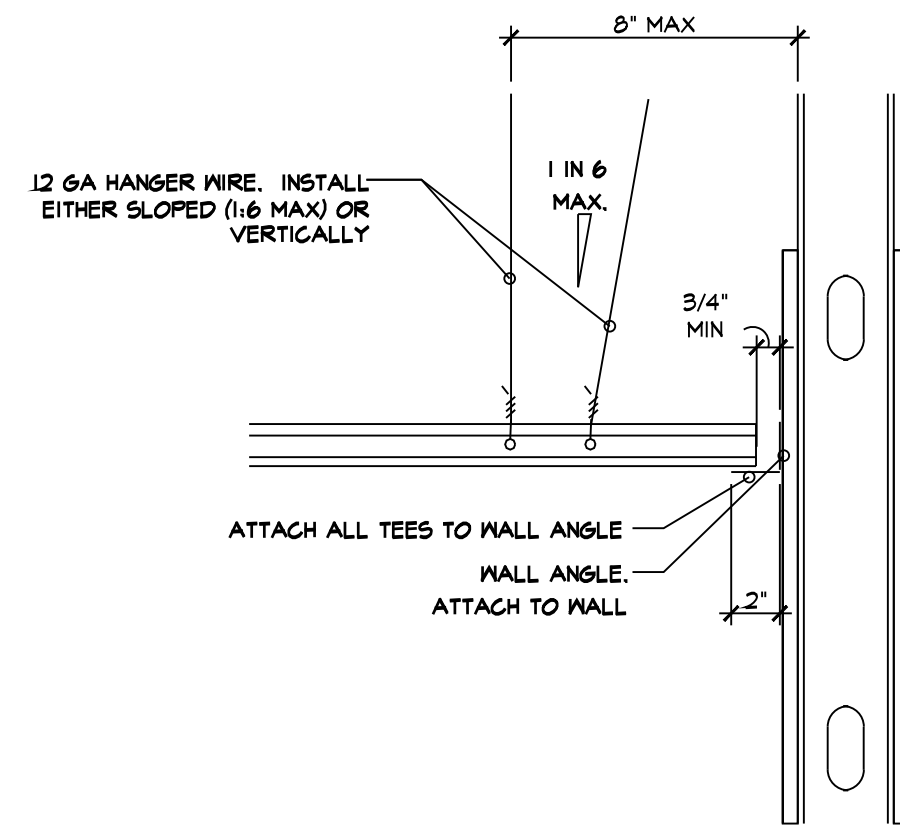


TYPICAL GRID PERIMETER DETAIL LOCATIONS

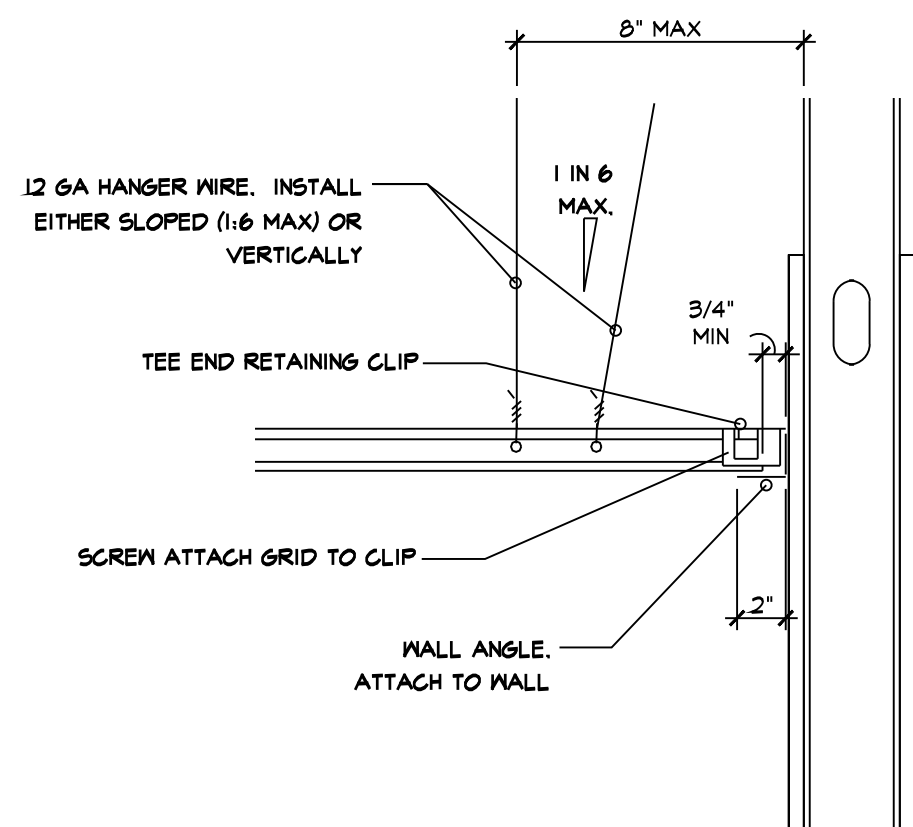
| CATEGORY | REQUIREMENTS |
|---|---|
| CONNECTIONS/HANGERS | NOTE: USE HEAVY DUTY GRID |
| INTERSECTION STRENGTH | 180 LBS |
| HANGERS | #12 @ 4' O.C./#10 @ 5' O.C. |
| PLUMB | NOT MORE THAN 1 IN 6 OR 10' FROM VERTICAL |
| CONNECTION DEVICES | MIN. 100LBS. |
| PERIMETER WIRES - ALL WALLS | MAXIMUM 8" FROM ALL WALLS |
| SPLAY BRACING | NOTE: USE HEAVY DUTY GRID |
| 4 WIRE CLUSTERS | REQUIRED OVER 1000 SF. |
| FIRST POINT | MAX. 6' FROM PERIMETER WALLS |
| SPACING | 12' O.C. |
| CONNECTION STRENGTH | MIN. 200LBS. |
| COMPRESSION POSTS | REQUIRED (CONDUIT/STEEL STUD) |
| MOLDING/PARTITIONS | NOTE: USE HEAVY DUTY GRID |
| MOLDING | MIN. 2" |
| ATTACHMENT (NO MOVEMENT) | REQUIRED @ 2 ADJACENT WALLS |
| CLEARANCE (FREE TO MOVE) | 3/4" @ 2 ADJACENT WALLS |
| SPACER BARS | REQUIRED - IF CLIPS NOT USED |
| PARTITION ATTACHMENT | ALLOWED WITH BRACINGS, UNDER 2500 SF. |
| LIGHTING/FIXTURES | NOTE: USE HEAVY DUTY GRID |
| LIGHTS LESS THAN 56LBS | 2 CONNECTORS/2 SLACK WIRES |
| LIGHTS GREATER THAN 56LBS | SUSPEND FROM STRUCTURE, NOT GRID |
| MECH LESS THAN 20LBS | ATTACHED TO GRID |
| MECH GREATER THAN 20LBS, LESS THAN 56LBS. | 2 SLACK WIRES |
| MECHANICAL GREATER THAN 56LBS | SUSPEND FROM STRUCTURE, NOT GRID |



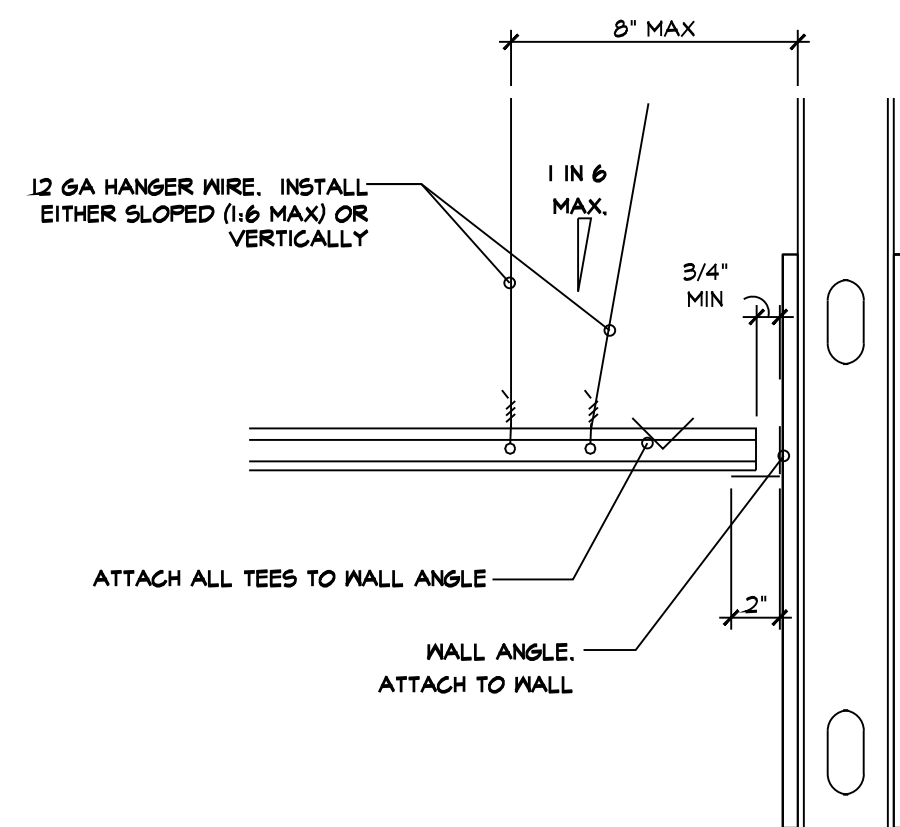
A.1) DETAIL @ TWO ADJACENT WALLS WITH GRID ATTACHED TO WALL ANGLE



B.1) DETAIL @ TWO ADJACENT WALLS WITH GRID ATTACHED TO WALL ANGLE

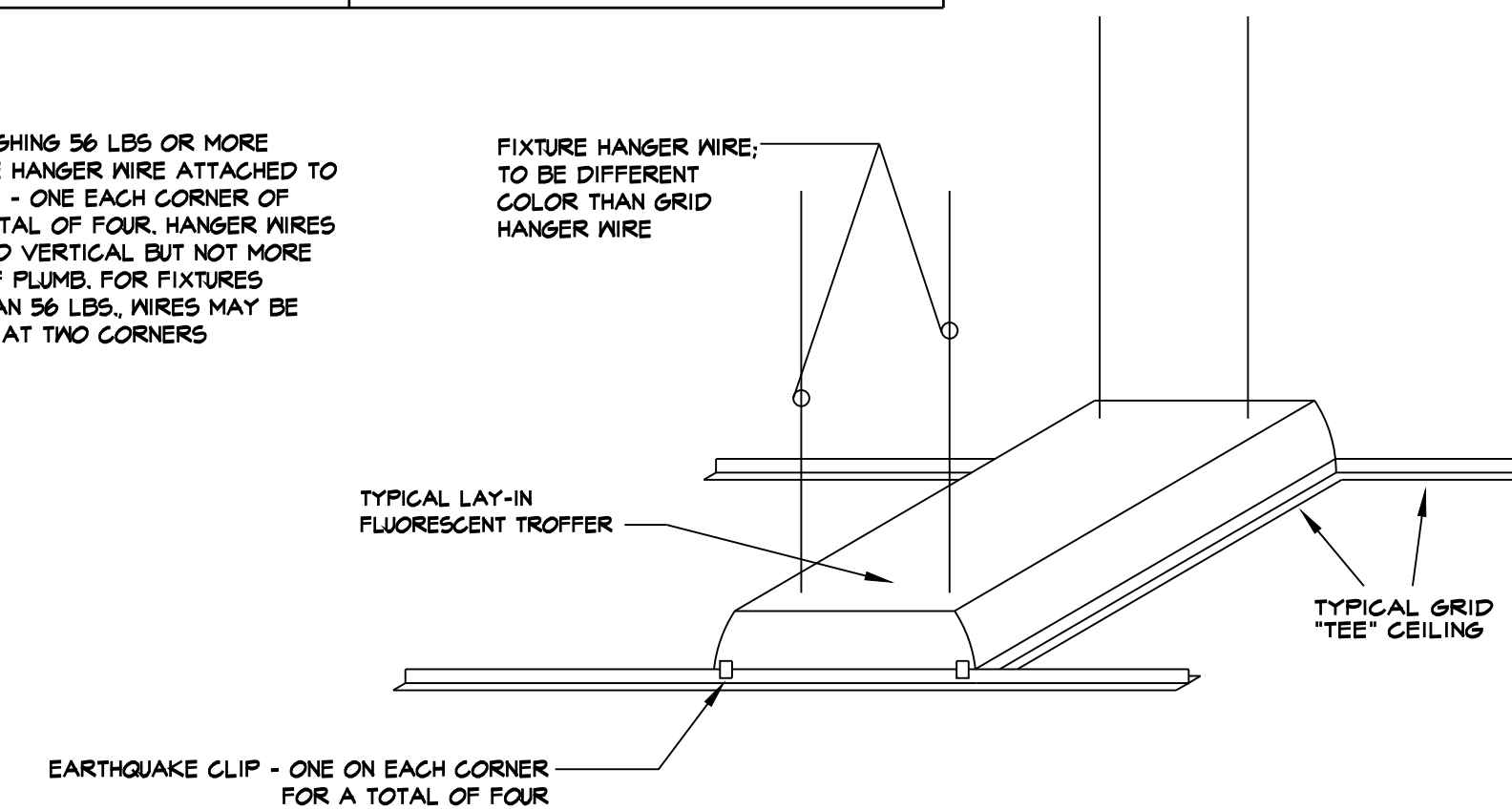


A.2) DETAIL @ TWO ADJACENT WALLS WITH NO ATTACHED TO WALL ANGLE



B.2) DETAIL @ TWO ADJACENT WALLS WITH NO ATTACHED TO WALL ANGLE

NOTE:
FOR FIXTURES WEIGHING 56 LBS OR MORE INSTALL #12 GAUGE HANGER WIRE ATTACHED TO STRUCTURE ABOVE - ONE EACH CORNER OF FIXTURE FOR A TOTAL OF FOUR. HANGER WIRES MUST BE INSTALLED VERTICAL BUT NOT MORE THAN 1 IN 6 OUT OF PLUMB. FOR FIXTURES WEIGHING LESS THAN 56 LBS, WIRES MAY BE INSTALLED SLACK AT TWO CORNERS



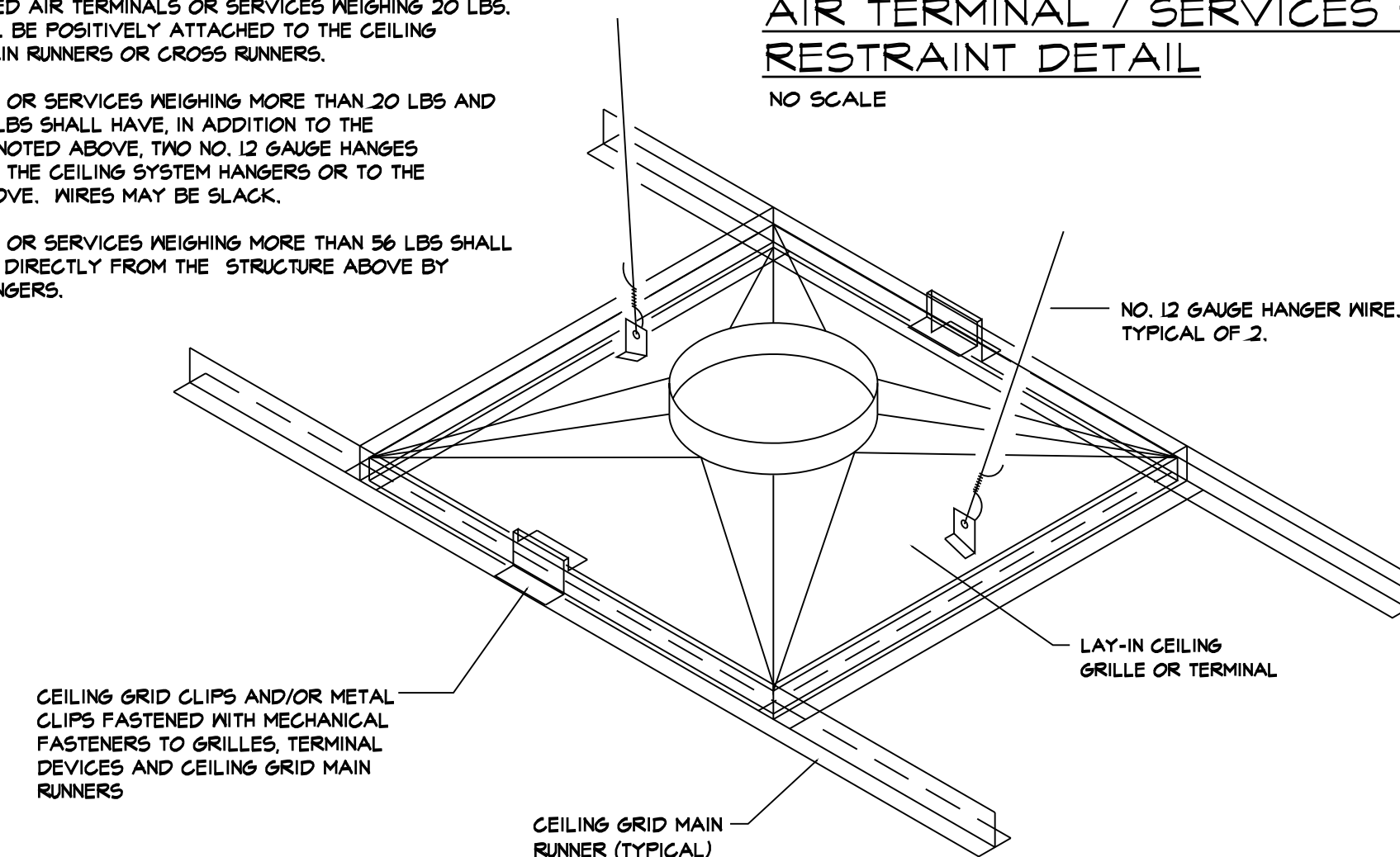
ATTACHMENT NOTES:

CEILING MOUNTED AIR TERMINALS OR SERVICES WEIGHING 20 LBS. OR LESS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR CROSS RUNNERS.

AIR TERMINALS OR SERVICES WEIGHING MORE THAN 20 LBS AND LESS THAN 56 LBS SHALL HAVE, IN ADDITION TO THE ATTACHMENTS NOTED ABOVE, TWO NO. 12 GAUGE HANGES CONNECTED TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. WIRES MAY BE SLACK.

AIR TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

AIR TERMINAL / SERVICES SEISMIC RESTRAINT DETAIL
NO SCALE



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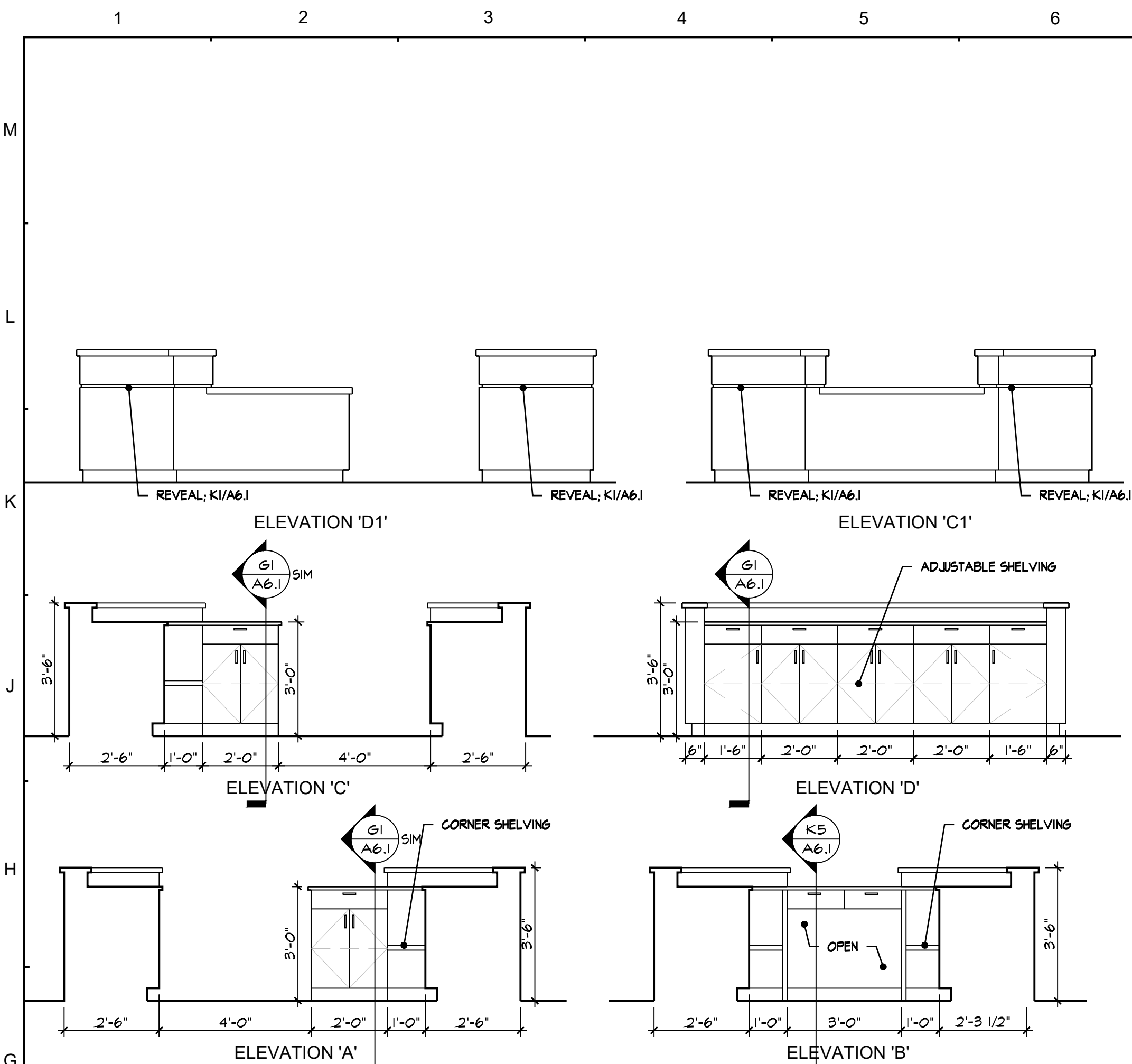
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mwalker@tychwalker.com

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GEORGETOWN, SOUTH CAROLINA

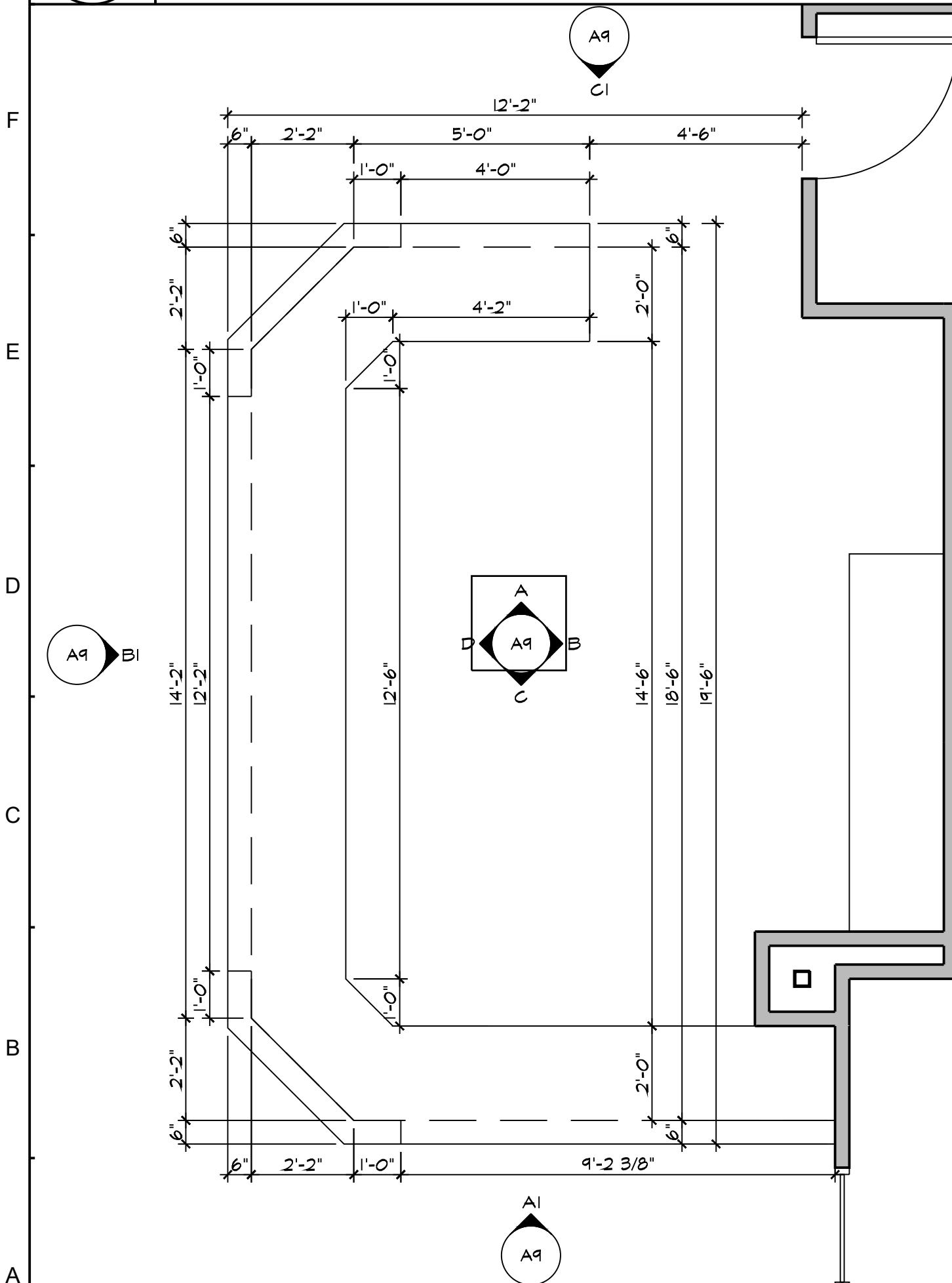
2018-04
03/31/2022
SEISMIC DETAILS

BID SET

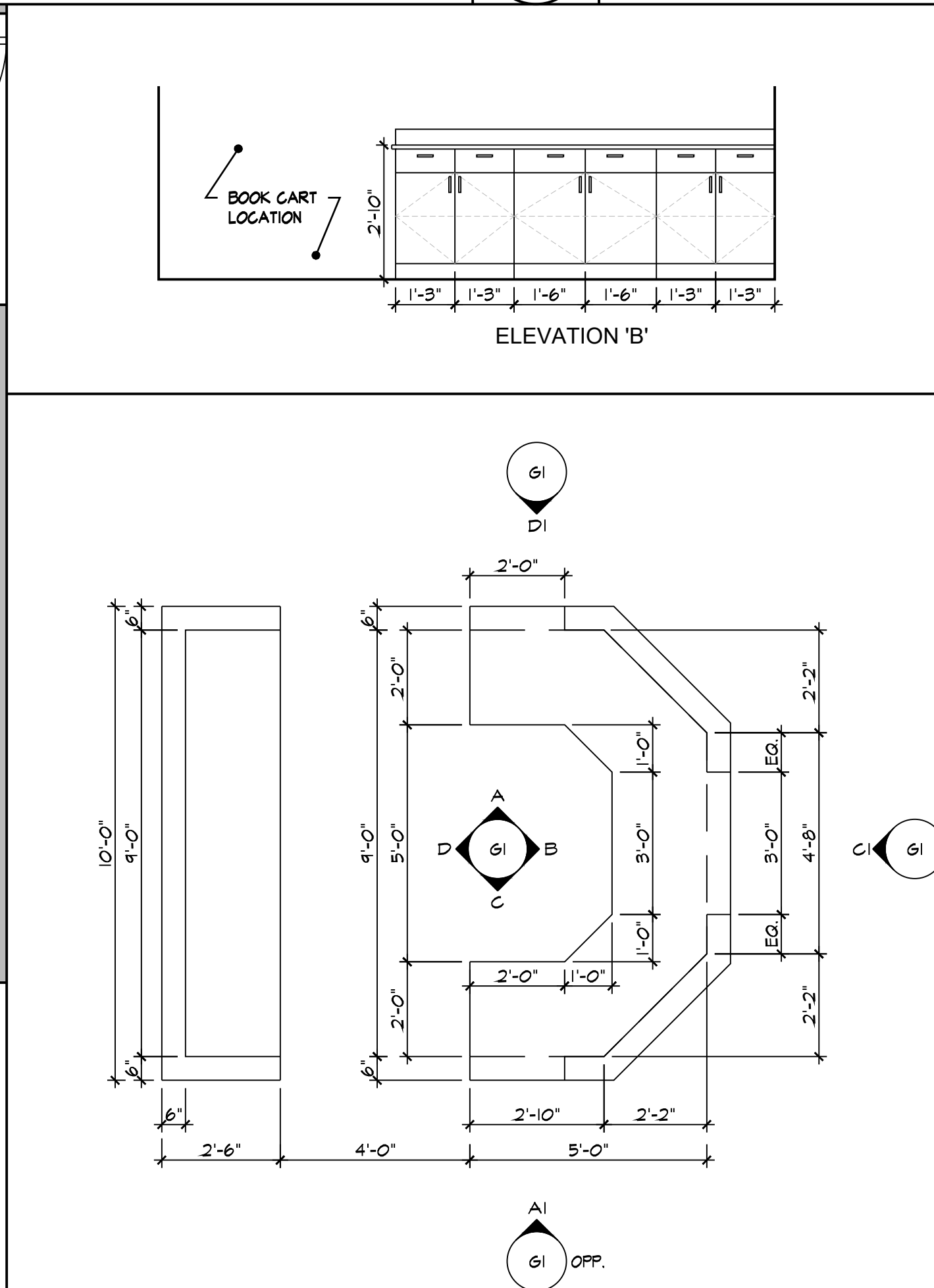
A5.2



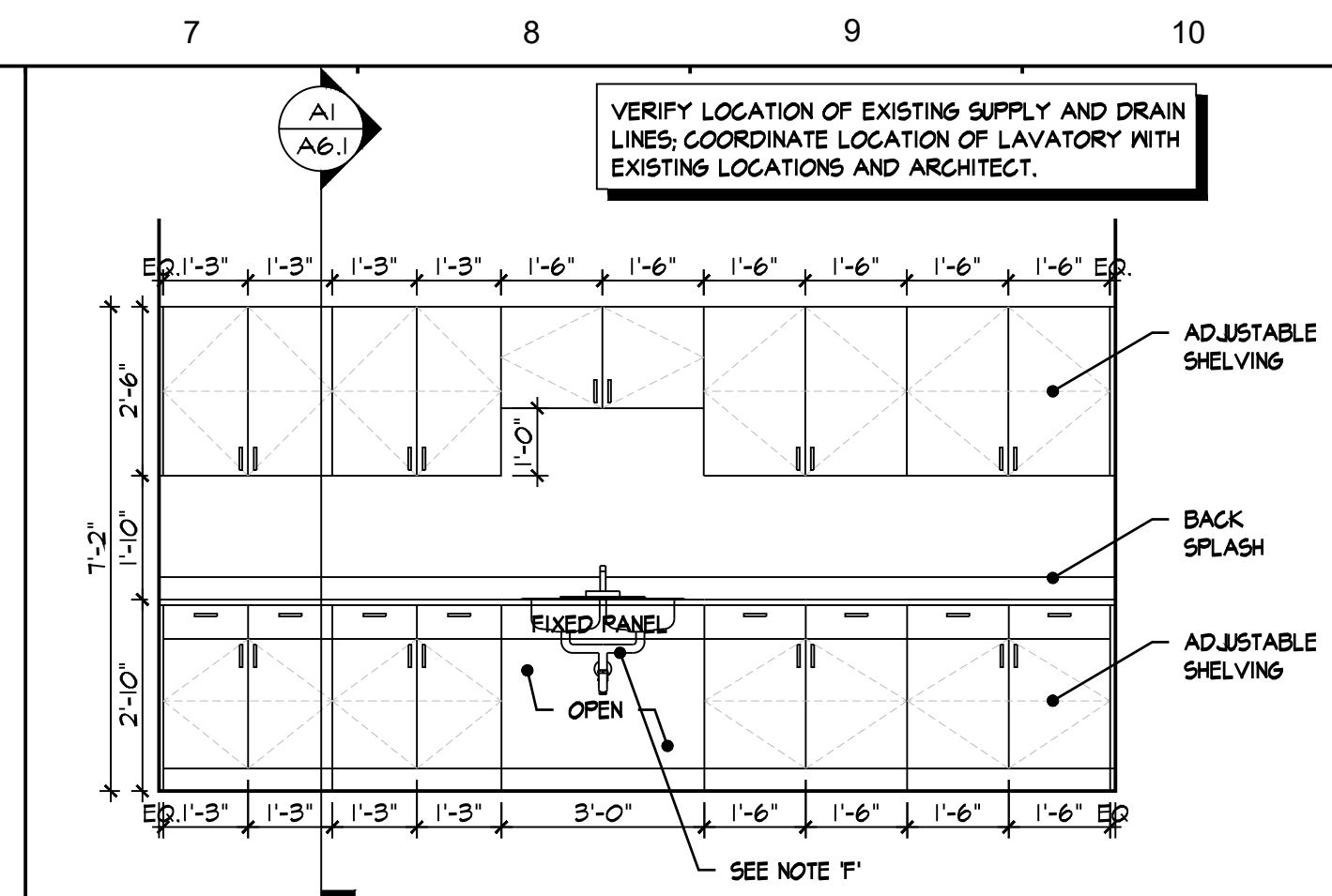
G1 ENTRY 123 CASEWORK
SCALE: 3/8" = 1'-0"



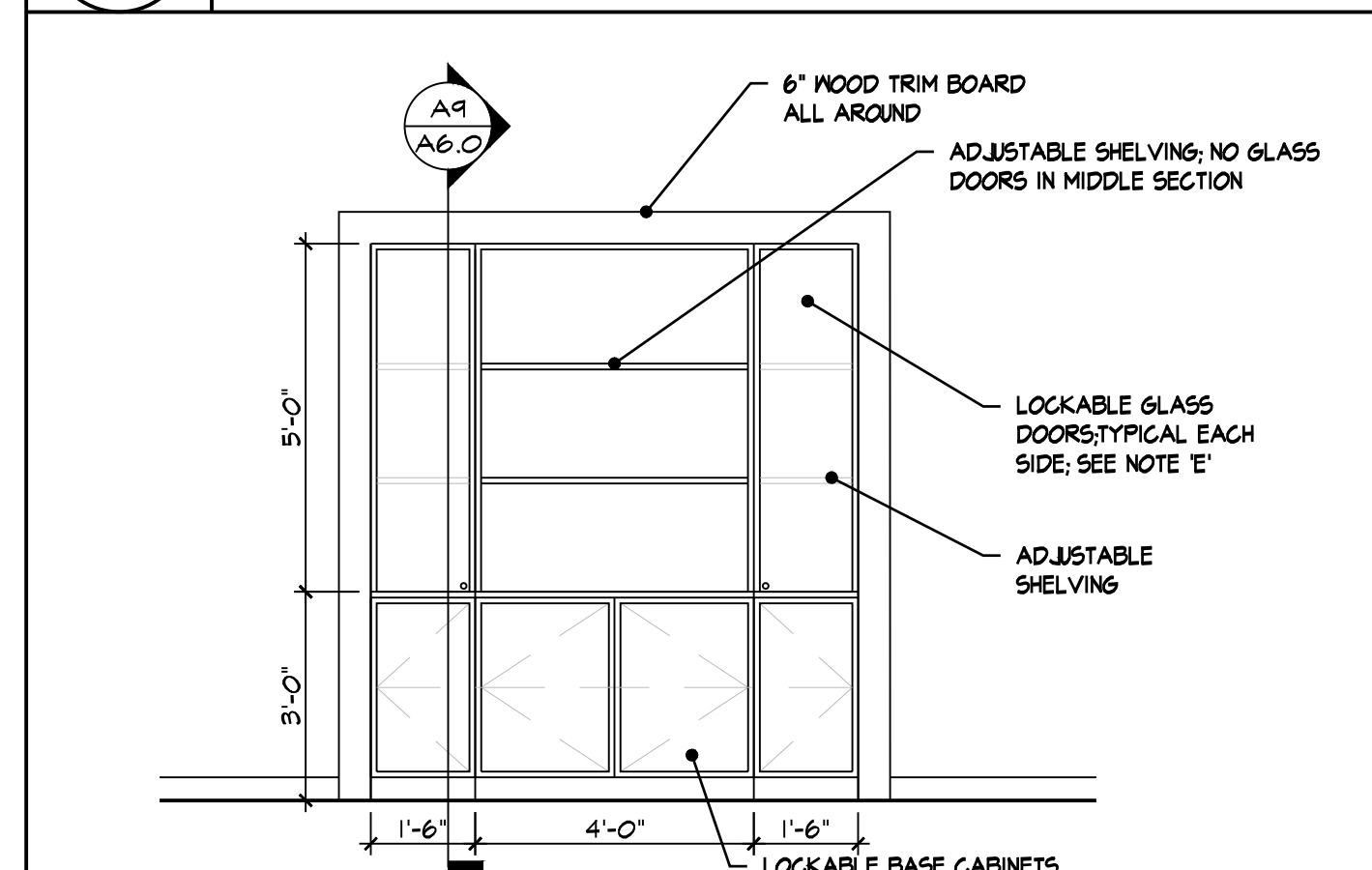
A1 CIRCULATION DESK
SCALE: 3/4" = 1'-0"



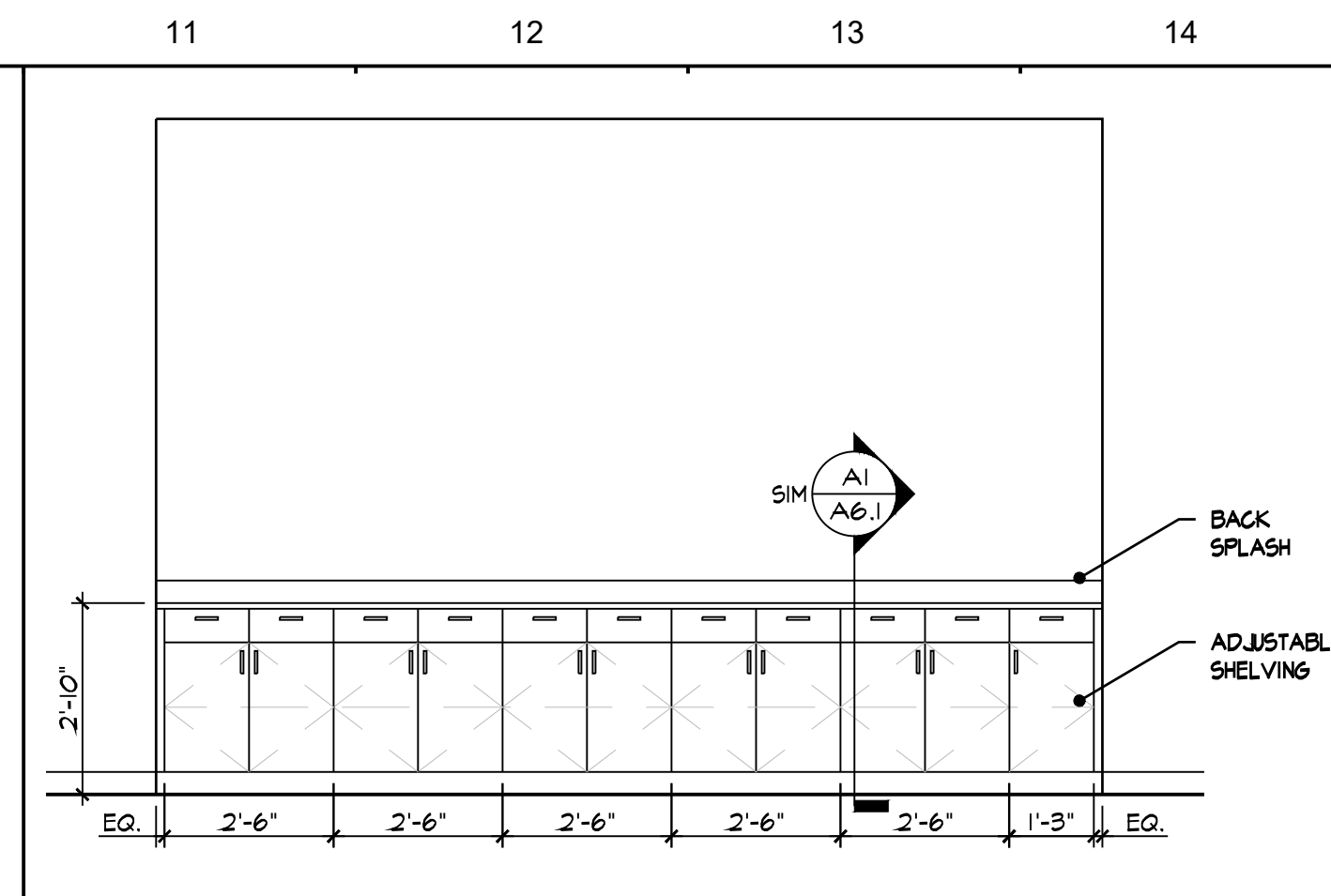
A5 TYPICAL REFERENCE DESK
SCALE: 3/4" = 1'-0"



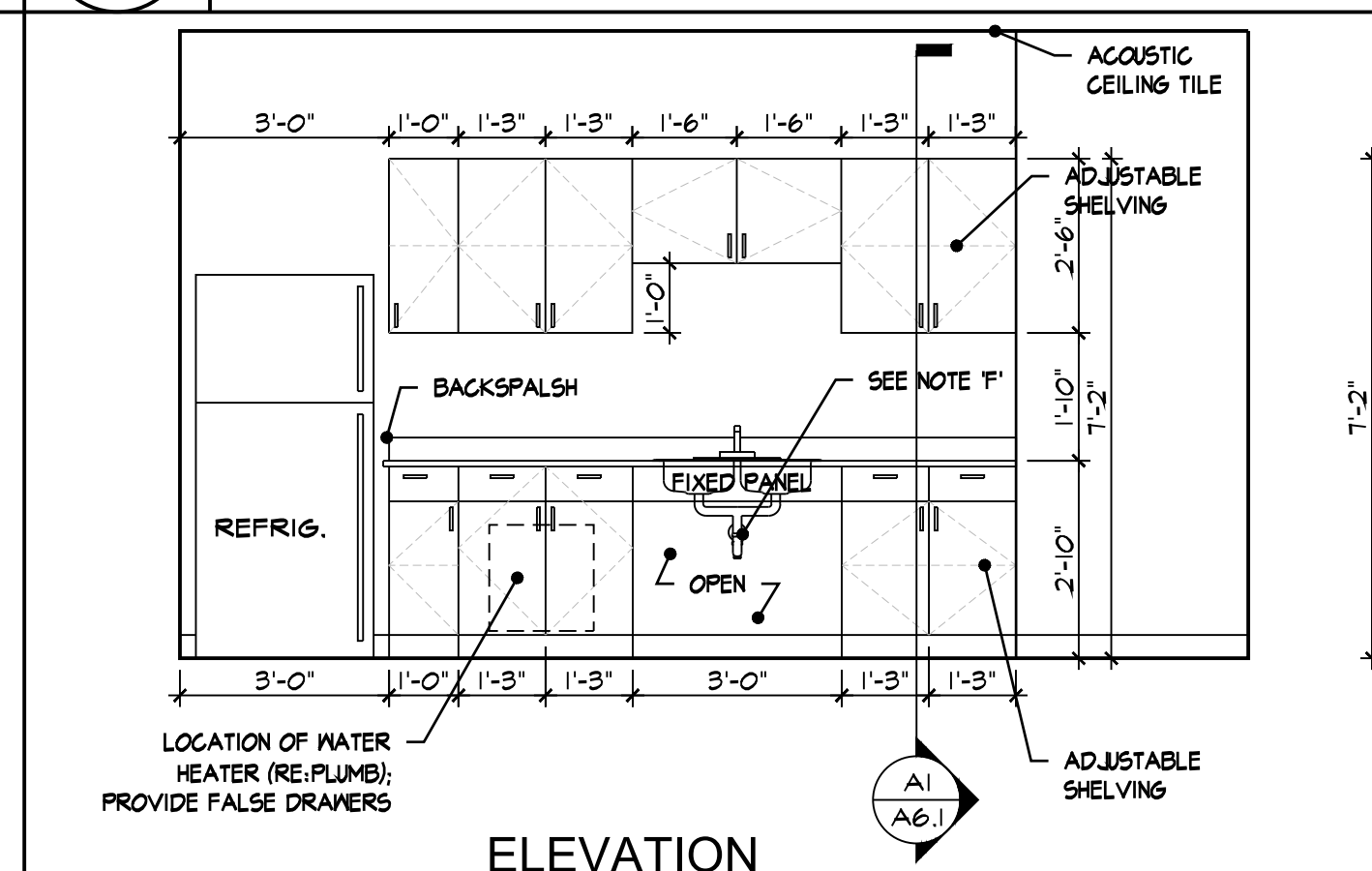
K7 ACTIVITY ROOM 130
SCALE: 3/8" = 1'-0"



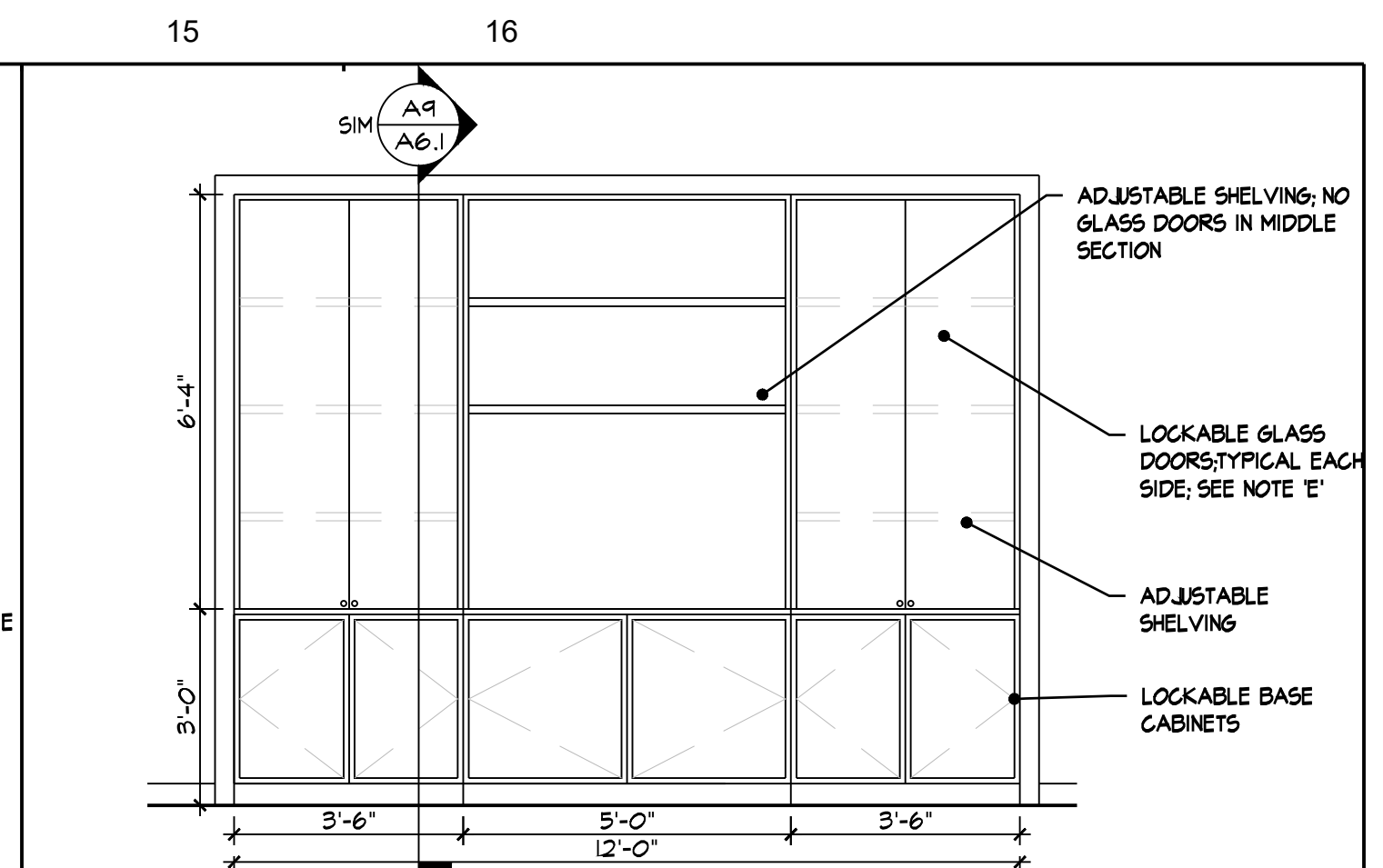
G7 ENTRY HALL 100 CASEWORK
SCALE: 3/8" = 1'-0"



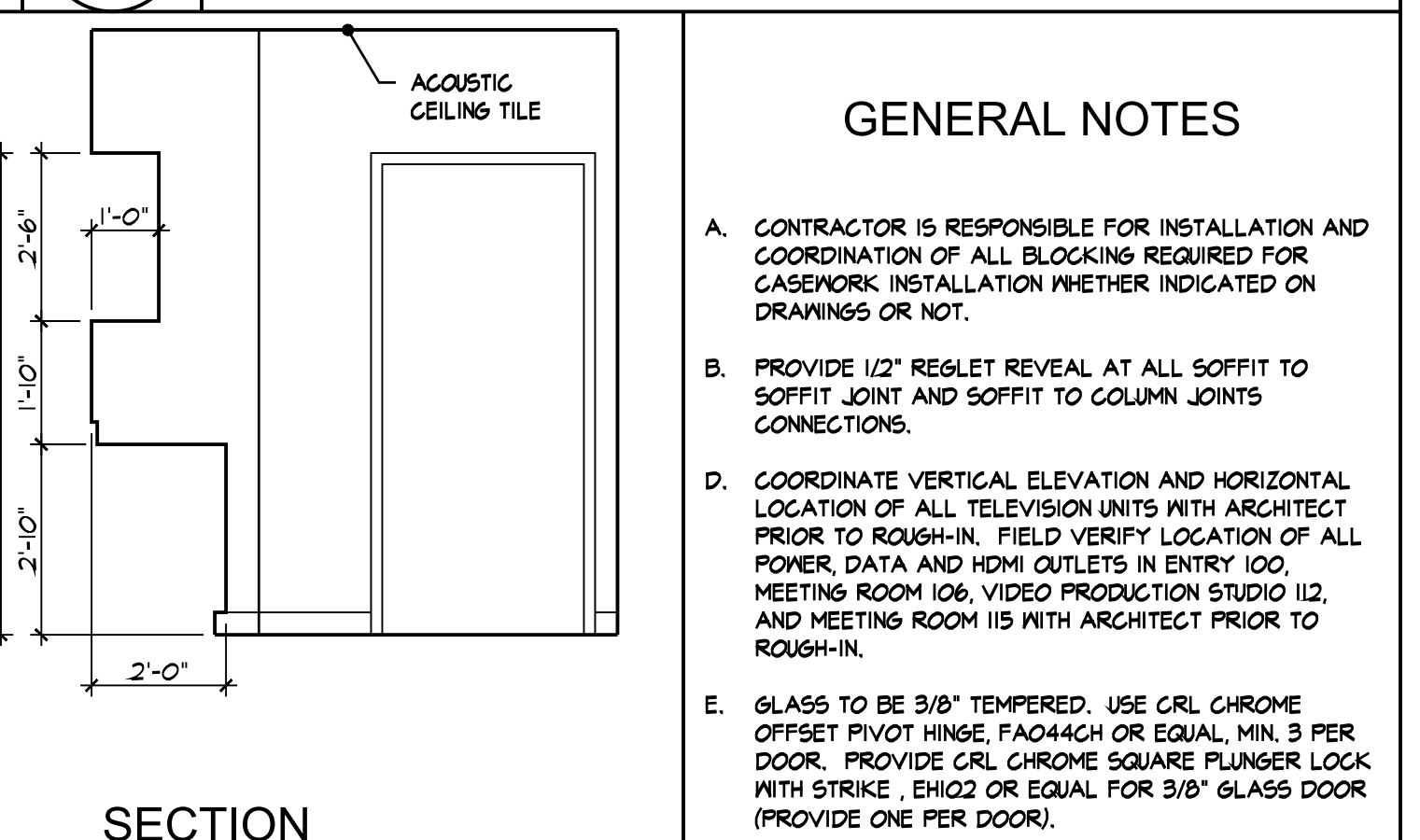
K11 MEETING ROOM 106 CASEWORK
SCALE: 3/8" = 1'-0"



G11 KITCHENETTE 107 ELEVATION
SCALE: 3/8" = 1'-0"



K15 ENTRY 123 CASEWORK
SCALE: 3/8" = 1'-0"



SECTION

- GENERAL NOTES**
- CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND COORDINATION OF ALL BLOCKING REQUIRED FOR CASEWORK INSTALLATION WHETHER INDICATED ON DRAWINGS OR NOT.
 - PROVIDE 1/2" REGLET REVEAL AT ALL SOFFIT TO SOFFIT JOINT AND SOFFIT TO COLUMN JOINTS CONNECTIONS.
 - COORDINATE VERTICAL ELEVATION AND HORIZONTAL LOCATION OF ALL TELEVISION UNITS WITH ARCHITECT PRIOR TO ROUGH-IN. FIELD VERIFY LOCATION OF ALL POWER, DATA AND HDMI OUTLETS IN ENTRY 100, MEETING ROOM 106, VIDEO PRODUCTION STUDIO 112, AND MEETING ROOM 115 WITH ARCHITECT PRIOR TO ROUGH-IN.
 - GLASS TO BE 3/8" TEMPERED. USE CRL CHROME OFFSET PIVOT HINGE, FA044CH OR EQUAL, MIN. 3 PER DOOR. PROVIDE CRL CHROME SQUARE PLUNGER LOCK WITH STRIKE, EHQ2 OR EQUAL FOR 3/8" GLASS DOOR (PROVIDE ONE PER DOOR).
 - WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES, SINKS AND COUNTERS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACE UNDER LAVATORIES, SINKS AND COUNTERS.

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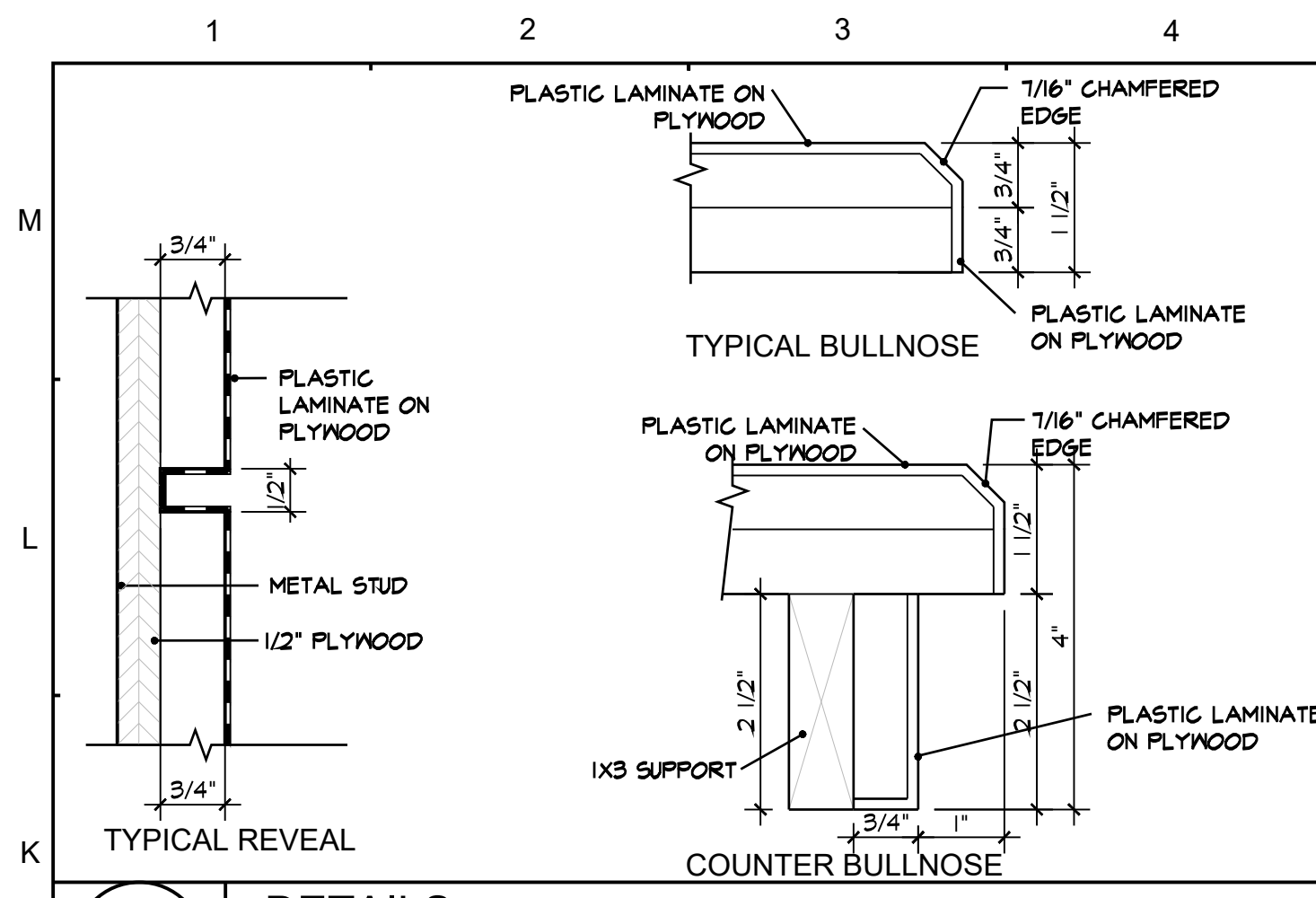
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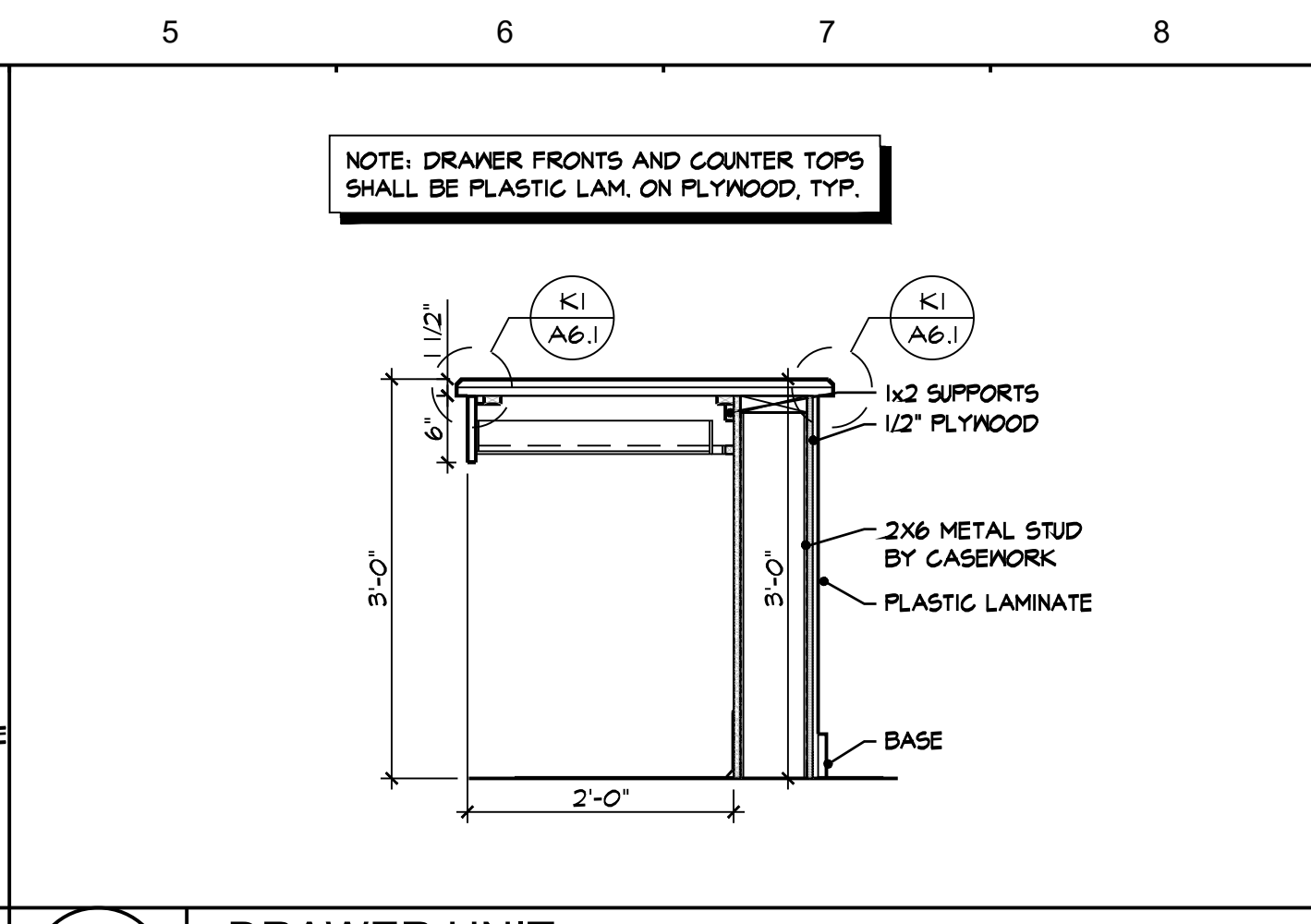
2018-04
03/31/2022

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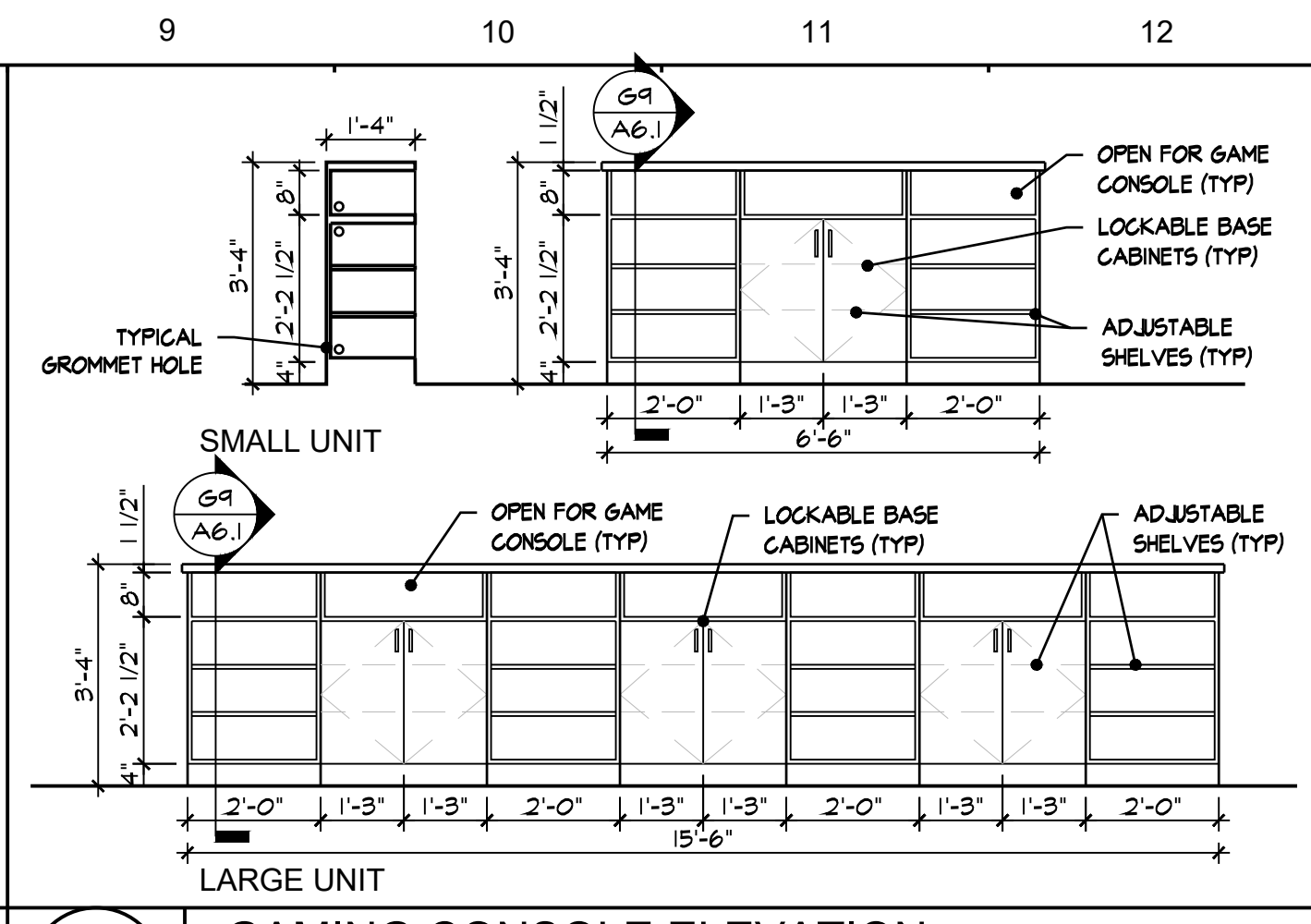
A6.0



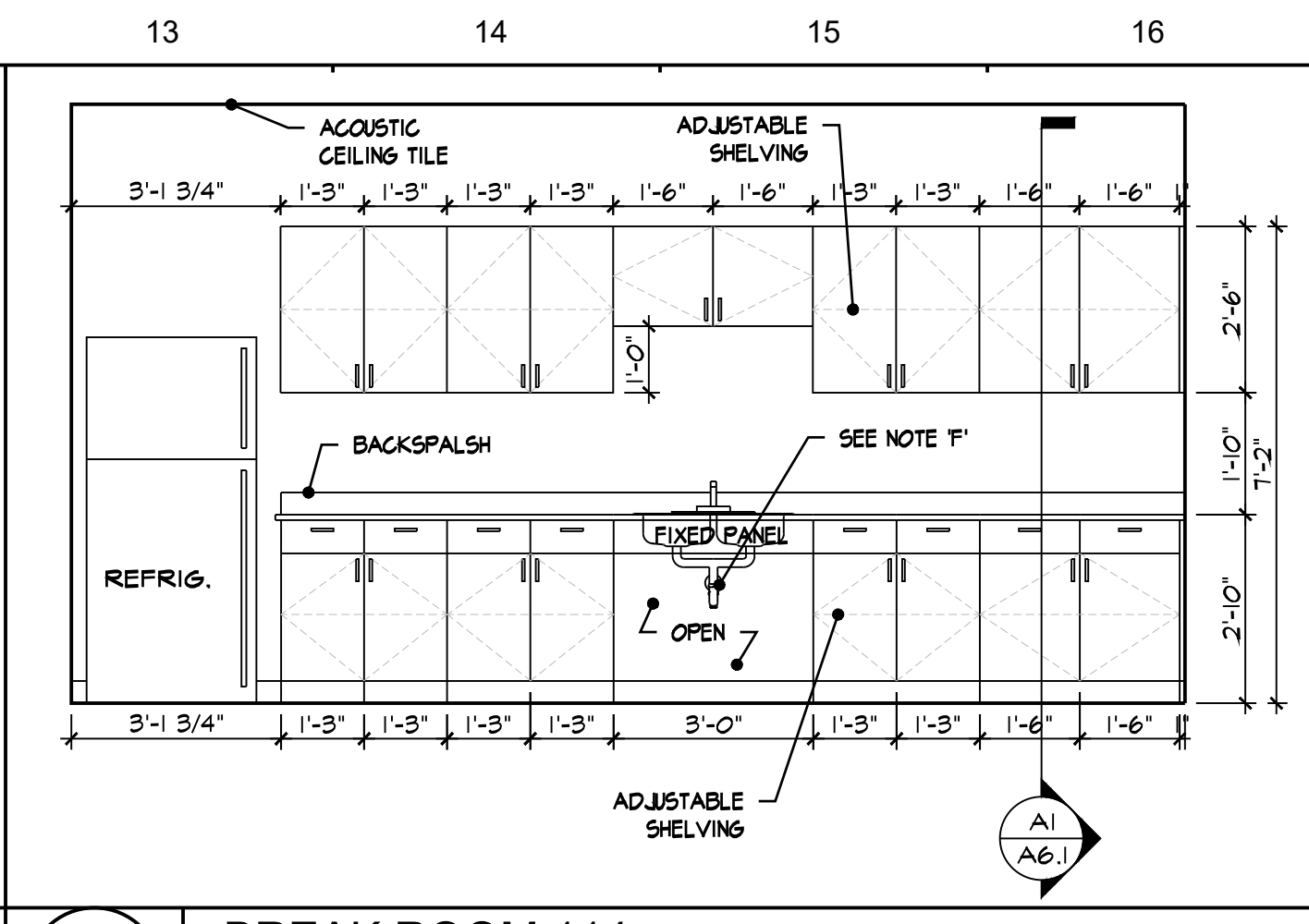
K1 DETAILS
SCALE: 6"=1'-0"



K5 DRAWER UNIT
SCALE: 3/4"=1'-0"



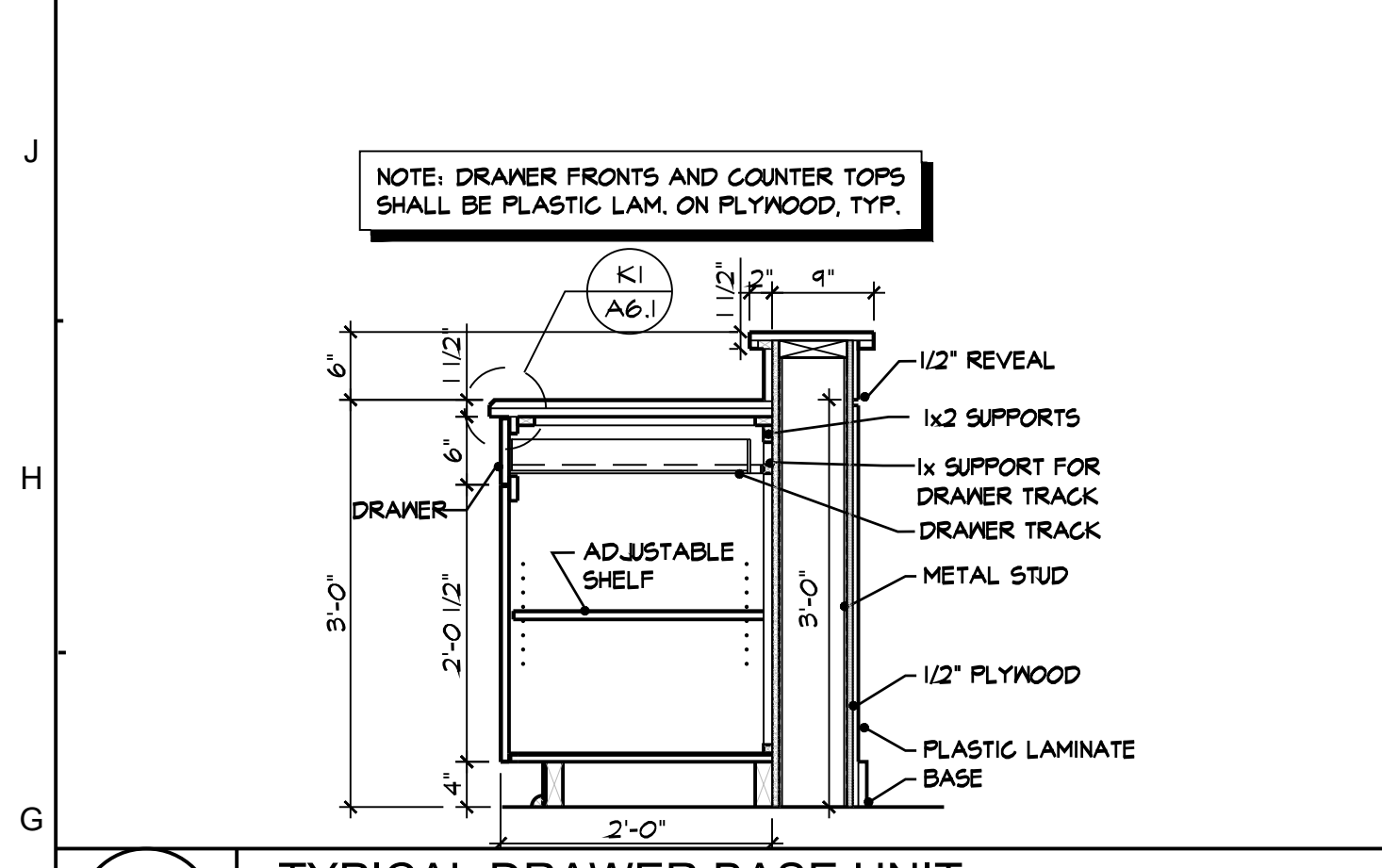
K9 GAMING CONSOLE ELEVATION
SCALE: 3/8"=1'-0"



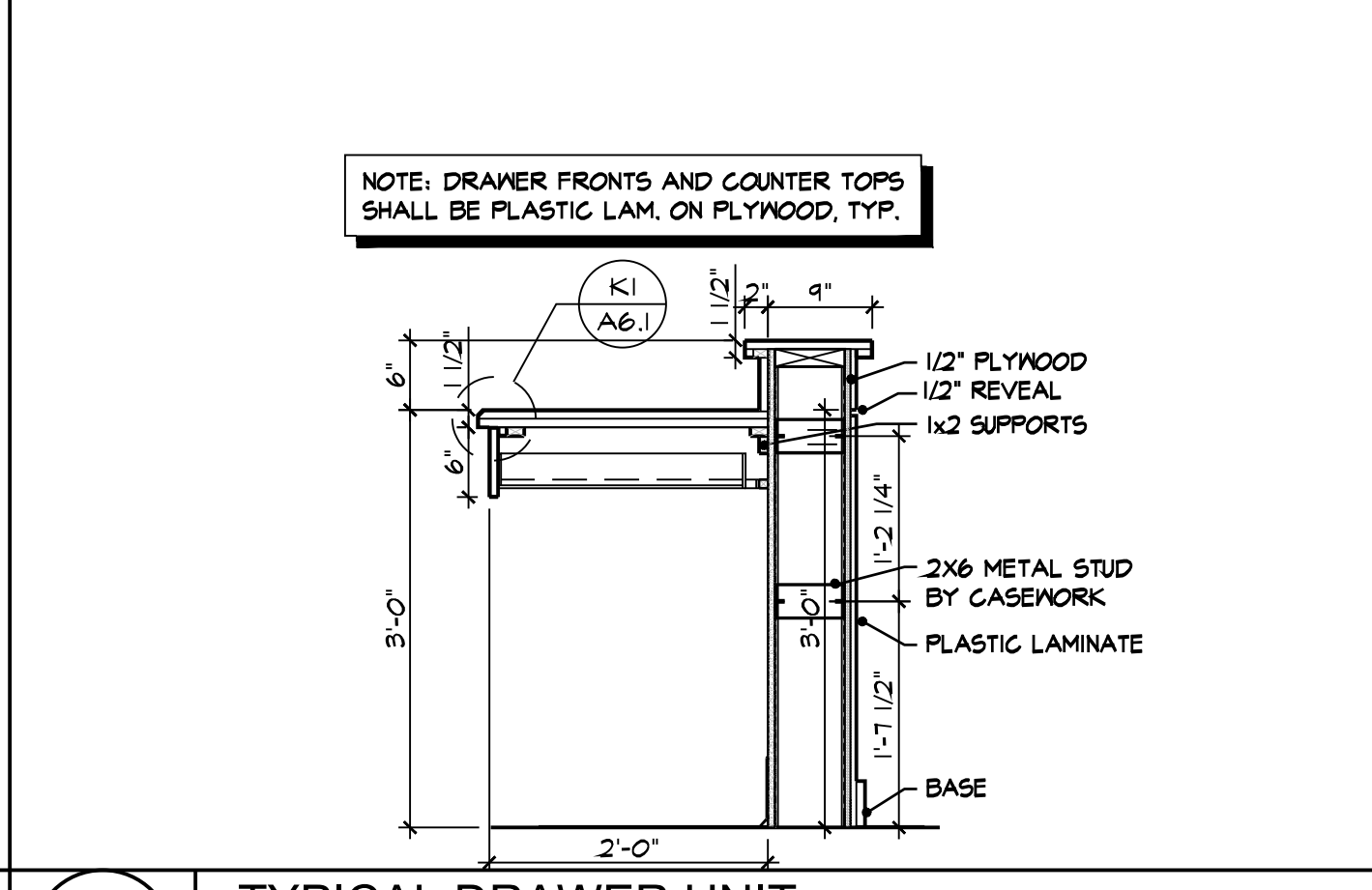
K13 BREAK ROOM 114
SCALE: 3/8"=1'-0"

GENERAL NOTES

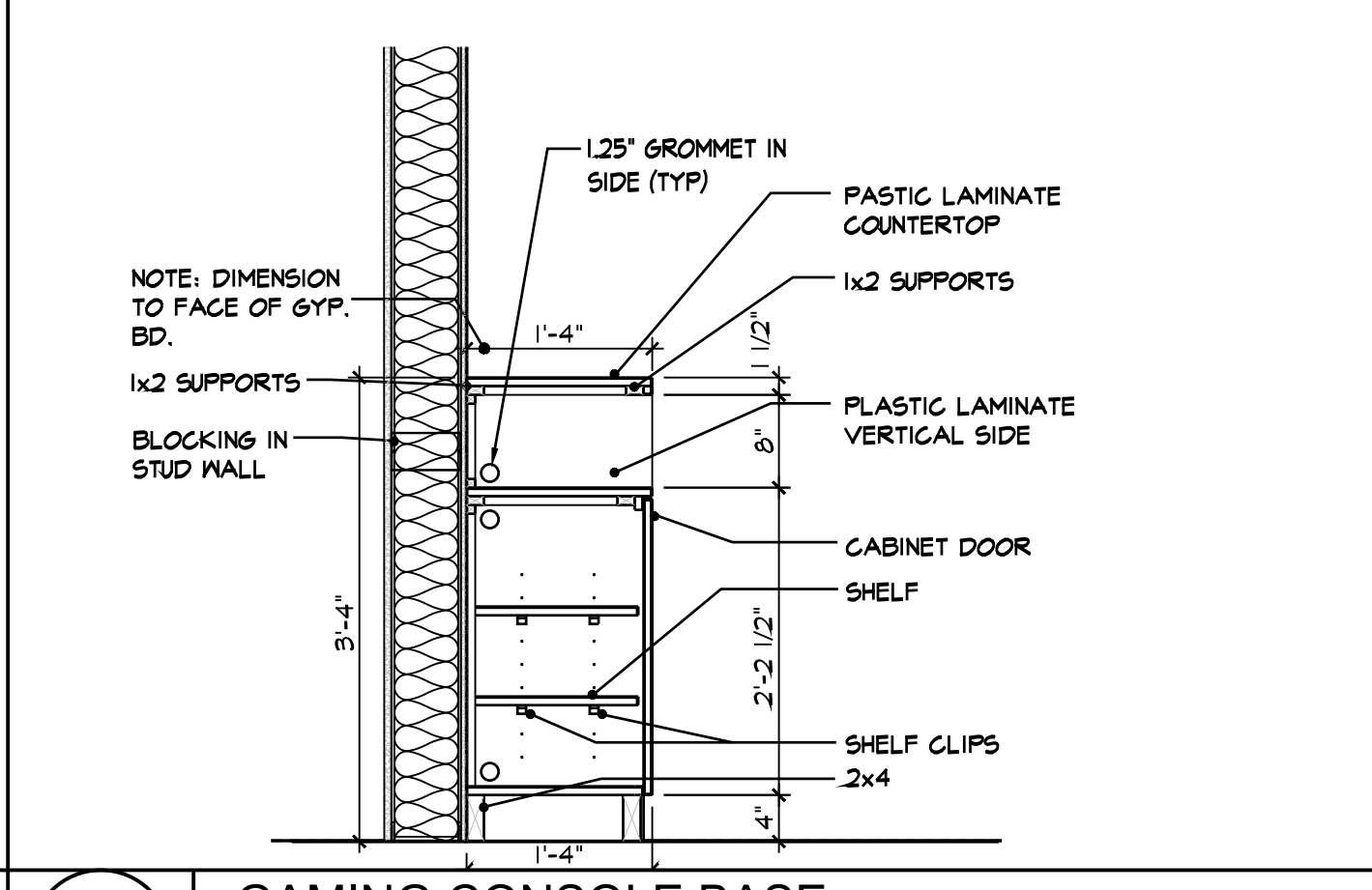
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- PROVIDE 1/2" REGLET REVEAL AT ALL SOFFIT TO SOFFIT JOINT AND SOFFIT TO COLUMN JOINTS CONNECTIONS.
- COORDINATE VERTICAL ELEVATION AND HORIZONTAL LOCATION OF ALL TELEVISION UNITS WITH ARCHITECT PRIOR TO ROUGH-IN. FIELD VERIFY LOCATION OF ALL POWER, DATA AND HDMI OUTLETS IN ENTRY 100, MEETING ROOM 106, VIDEO PRODUCTION STUDIO 102, AND MEETING ROOM 105 WITH ARCHITECT PRIOR TO ROUGH-IN.
- GLASS TO BE 3/8" TEMPERED. USE CRL CHROME OFFSET PIVOT HINGE, FA2044CH OR EQUAL, MIN 3 PER DOOR. PROVIDE CRL CHROME SQUARE PLUNGER LOCK WITH STRIKE EHQ2 OR EQUAL FOR 3/8" GLASS DOOR (PROVIDE ONE PER DOOR).



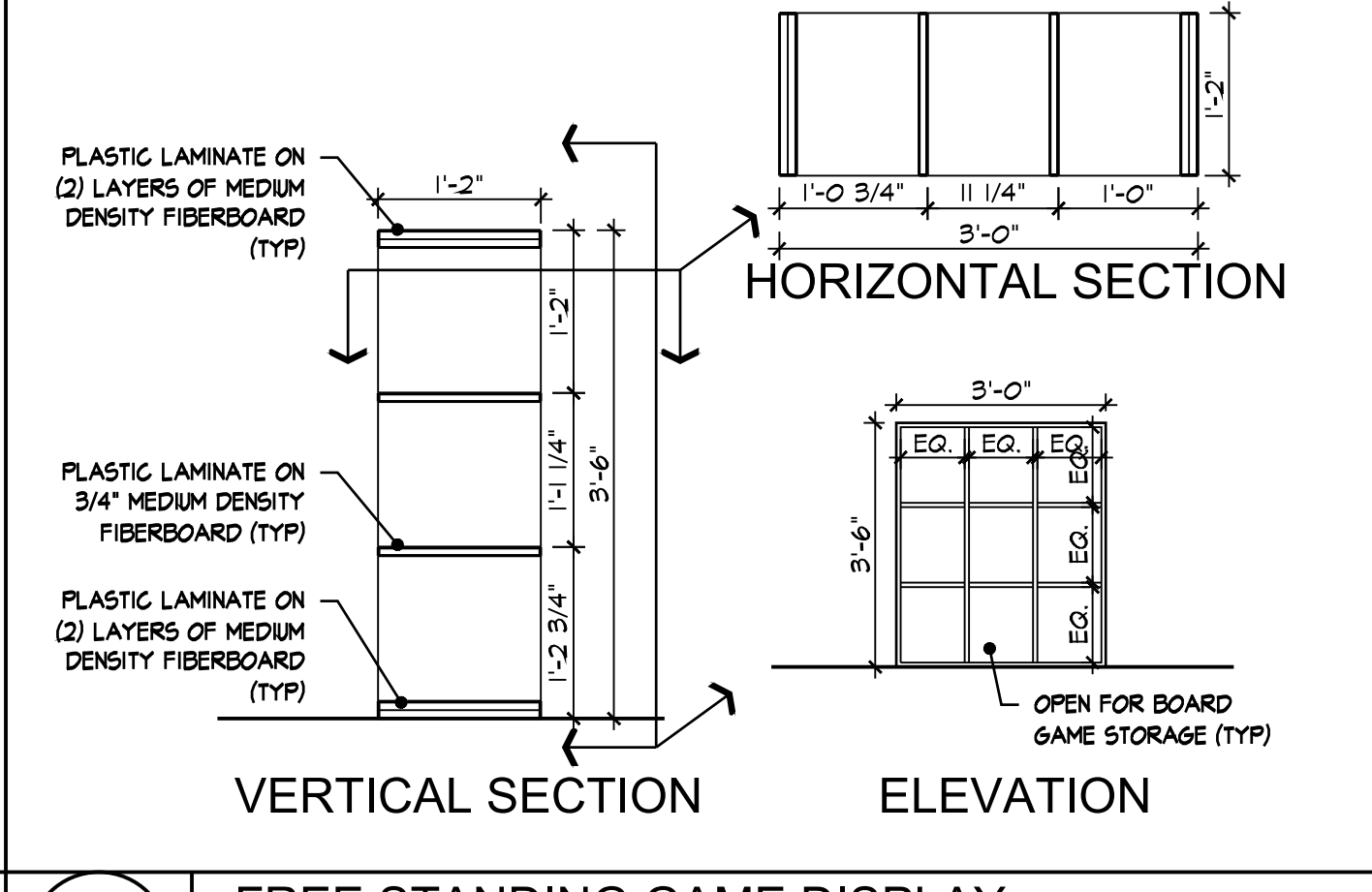
G1 TYPICAL DRAWER BASE UNIT
SCALE: 3/4"=1'-0"



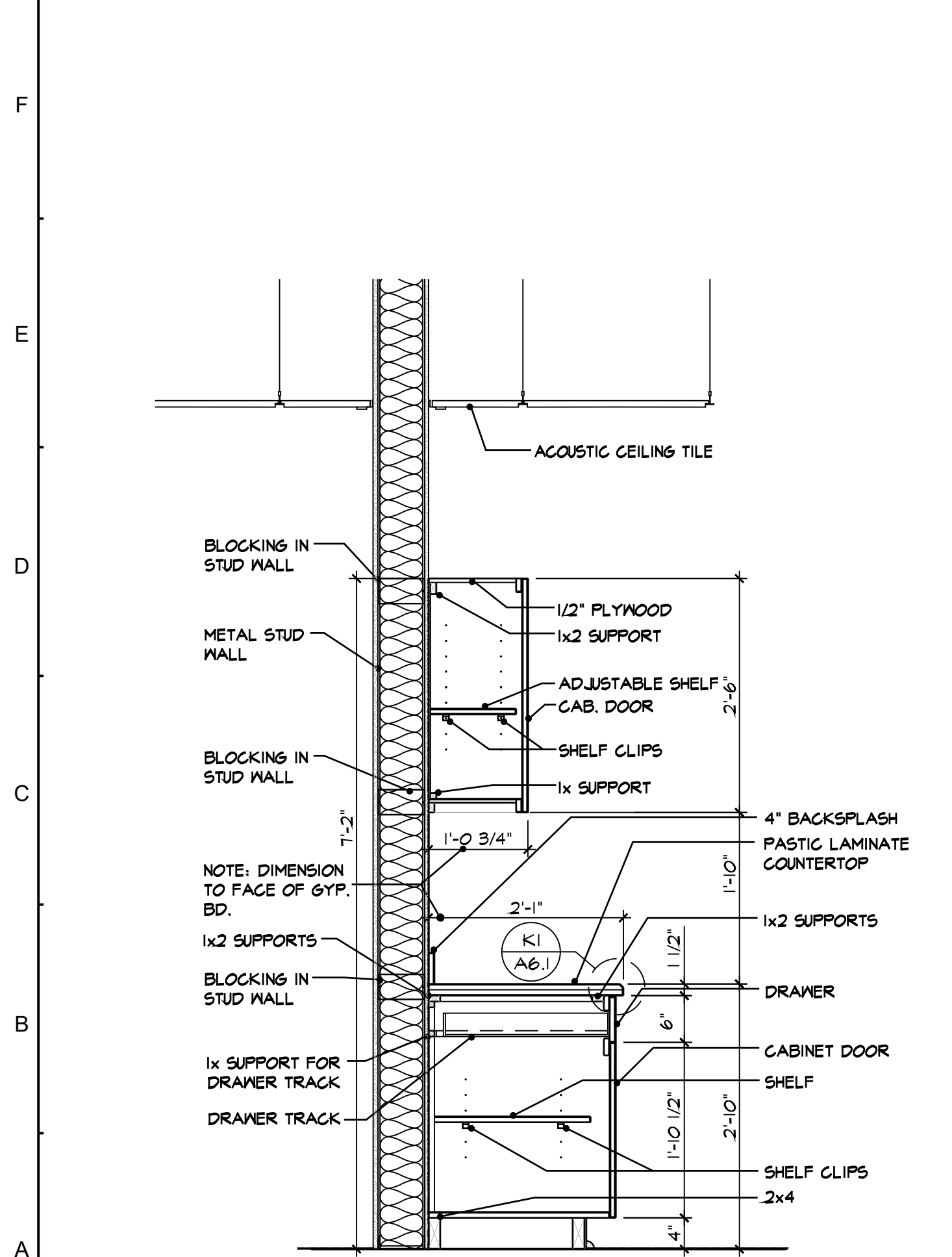
G5 TYPICAL DRAWER UNIT
SCALE: 3/4"=1'-0"



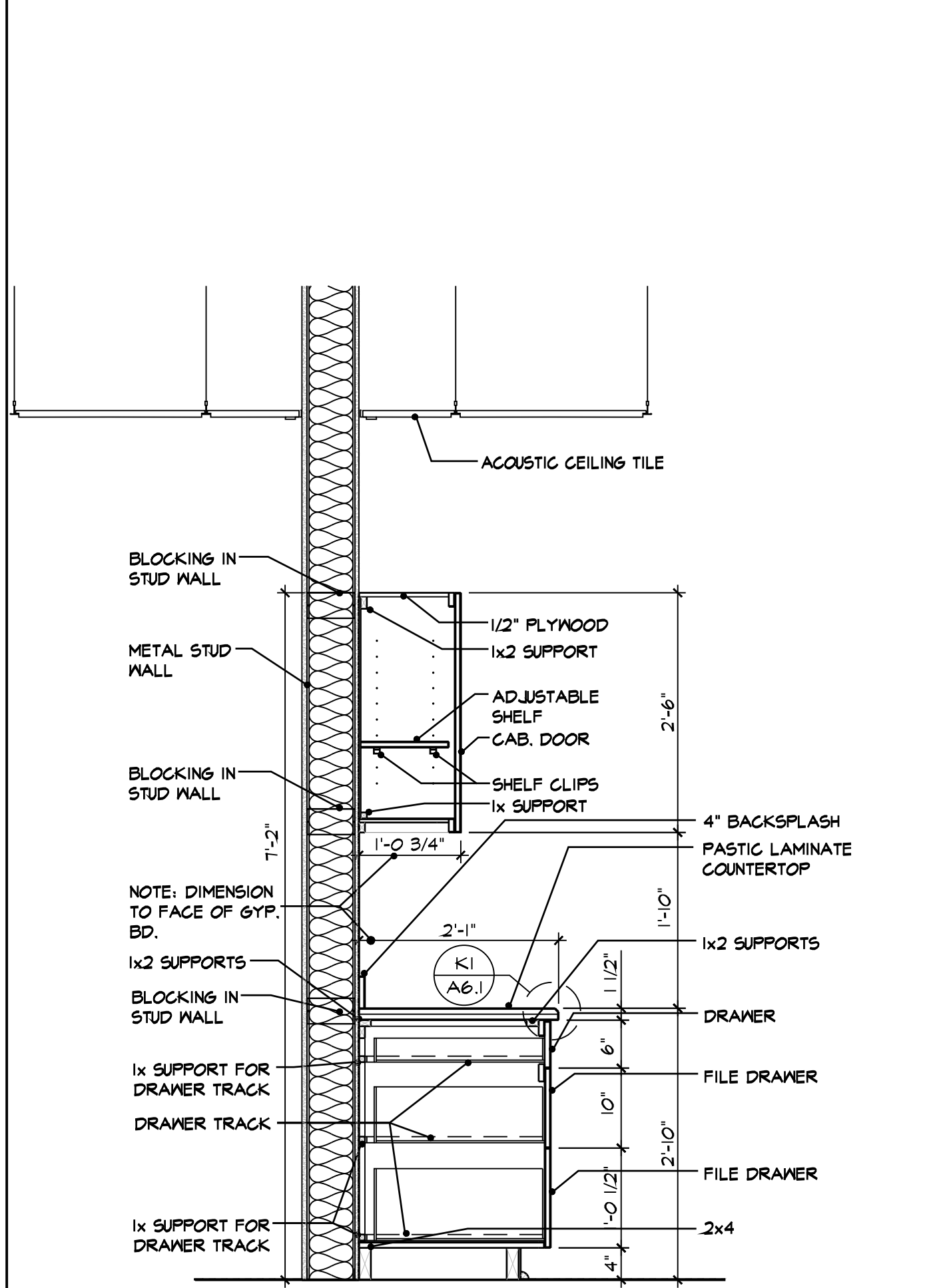
G9 GAMING CONSOLE BASE
SCALE: 3/4"=1'-0"



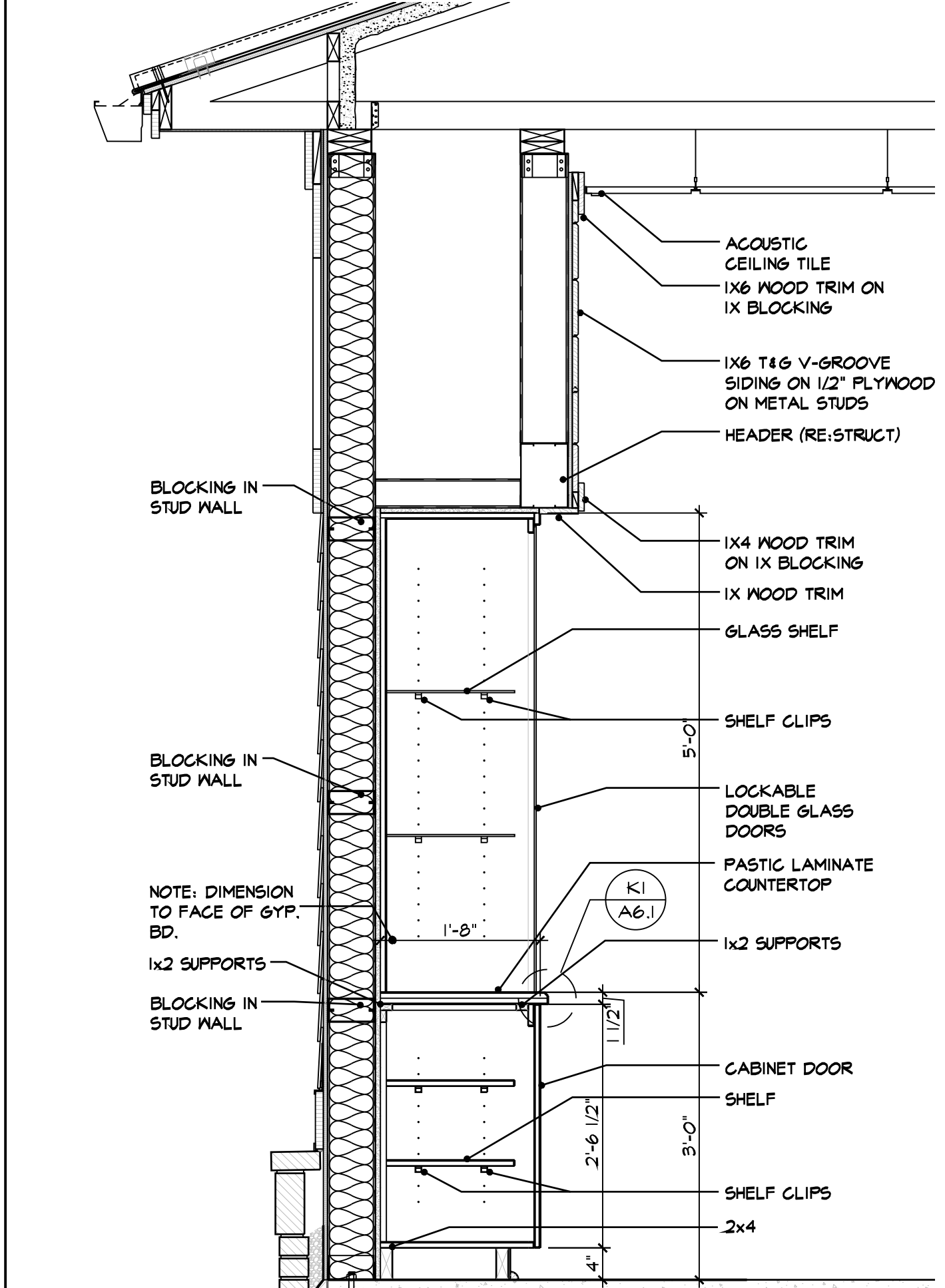
G13 FREE STANDING GAME DISPLAY
SCALE: 3/4"=1'-0"



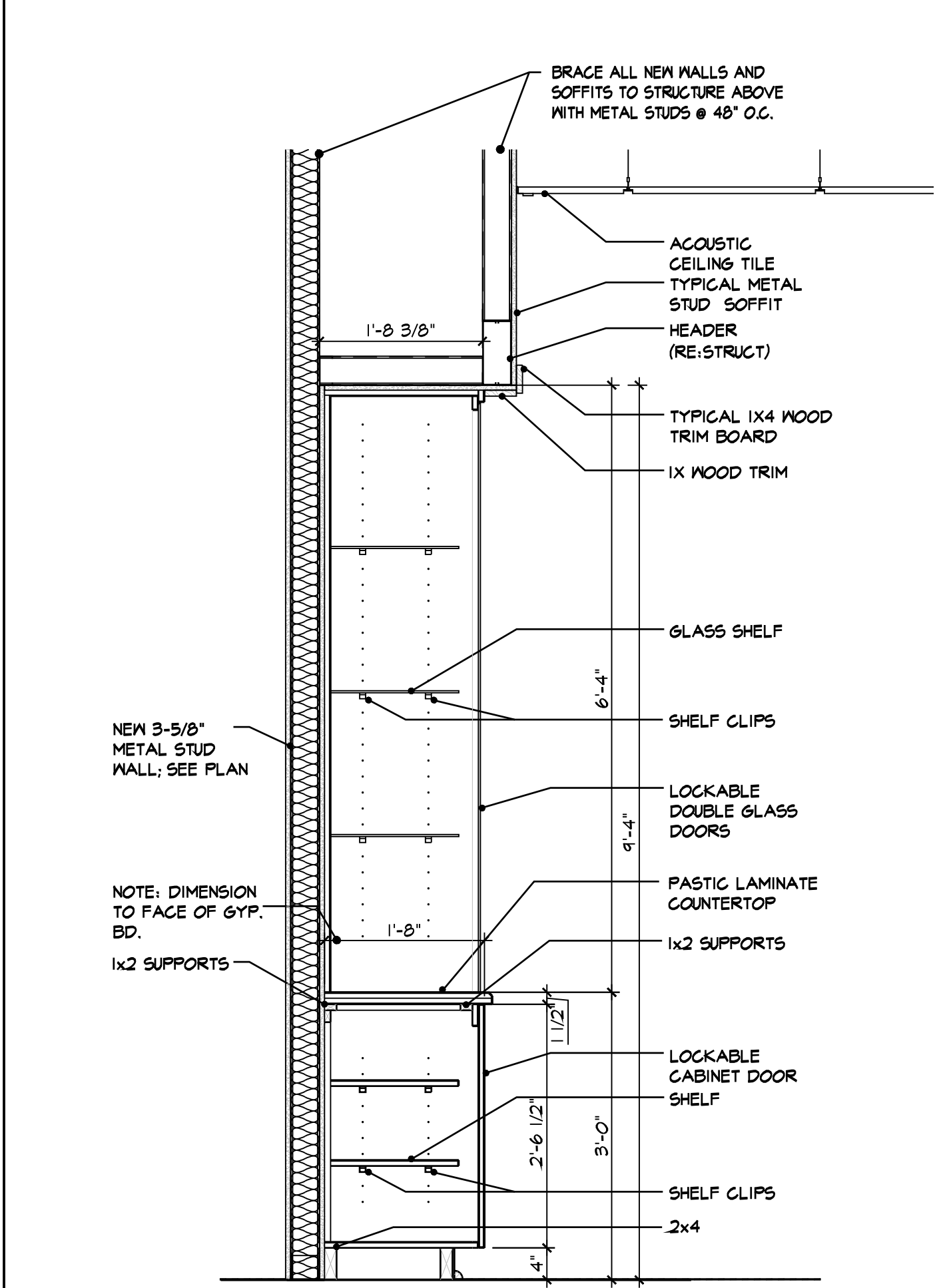
A1 TYPICAL SHELF CABINET UNIT
SCALE: 3/4"=1'-0"



A5 TYPICAL DRAWER CABINET UNIT
SCALE: 3/4"=1'-0"



A9 ENTRY HALL 100 CABINET UNIT
SCALE: 3/4"=1'-0"



A13 ENTRY HALL 123 CABINET UNIT
SCALE: 3/4"=1'-0"

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AN ADDITION AND RENOVATION TO THE
GEORGETOWN COUNTY LIBRARY - HEADQUARTERS
GEORGETOWN, SOUTH CAROLINA

2018-04
03/31/2022
INTERIOR ELEVATIONS

A6.1

STRUCTURAL NOTES:

- 1. THE NOTES PRESENTED IN THESE STRUCTURAL DRAWINGS ARE TO PROVIDE THE CONTRACTOR (AND SUBCONTRACTORS) WITH INFORMATION PERTAINING TO THE STRUCTURAL DESIGN FOR THIS PROJECT. A SPECIFICATIONS BOOK MAY BE PROVIDED FOR SUPPLEMENTAL INFORMATION... 2. THE STRUCTURAL NOTES FOR THIS PROJECT ARE GENERALLY CATEGORIZED AS TO WORK TRADE... 3. THE LEAD (ARCHITECTURAL) DRAWINGS SHALL BE CONSIDERED THE ORIGINAL SOURCE FOR THE DIMENSIONING FOR THE PROJECT AND THEREBY WILL NORMALLY TAKE PRECEDENCE OVER THE DRAWINGS BY OTHERS... 4. TO LESSEN THE RISK OF ERROR, THE CONTRACTOR IS ADVISED TO PROVIDE THEIR DESIGNERS AND DETAILERS FOR THE STRUCTURAL SYSTEM(S) COMPLETE SETS OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THEIR USE... 5. AS PART OF MEANS AND METHODS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURAL SYSTEM AND STRUCTURAL COMPONENTS DURING ALL PHASES OF CONSTRUCTION... 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY, GATHER AND SUBMIT ALL SHOP DRAWINGS TO THE ARCHITECT OR LEAD DESIGNER FOR STRUCTURAL COMPONENTS... 7. THE ENGINEER'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS IN THE CONTRACT DOCUMENTS... 8. THE STRUCTURAL DRAWINGS AND RELATED INFORMATION SHALL BE USED IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AS WELL AS OTHER INFORMATION AND DOCUMENTS RELATING TO ALL TRADES... 9. THESE STRUCTURAL DRAWINGS ARE FOR DESCRIBING THE STRUCTURAL DESIGN FOR THE PROJECT... 10. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL OPENINGS INCLUDING DOORS AND WINDOWS... 11. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND/OR VENDOR DRAWINGS FOR LOCATIONS OF DEPRESSED FLOOR AREAS... 12. AS REQUIRED BY CODE, THE CONTRACTOR SHALL DETERMINE AND POST APPROPRIATE SIGNS PERTAINING TO RESTRICTIONS OF LIVE LOAD AND/OR STACKING LIMITATIONS... 13. QUESTIONS RELATING TO THESE STRUCTURAL DRAWINGS MAY BE SUBMITTED IN WRITING, THROUGH THE ARCHITECT OR PRIME PROFESSIONAL TO THE STRUCTURAL ENGINEER... WEATHERLY STRUCTURAL ENGINEERS 514 ALDER STREET, SUITE 2 BOX B MYRTLE BEACH, SC 29577 843-448-3428 843-445-9116 (FAX)

GEOTECHNICAL:

- 1. THIS FOUNDATION DESIGN IS BASED ON 1500 P.S.F. ALLOWABLE SOIL BEARING PRESSURE... 2. A GEOTECHNICAL ENGINEER AND/OR TESTING LABORATORY SHALL BE OBTAINED BY THE OWNER FOR THE PURPOSES OF ASSURING ADEQUATE SOIL SUPPORT FOR FOUNDATION AND SLABS-ON-GRADE... 3. ANY ELEVATIONS INDICATED ON THE FOUNDATION PLANS TYPICALLY REFER TO TOP OF FOOTING... 4. TOP OF ALL SPREAD FOOTINGS SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE (M.O)... 5. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXCAVATIONS AND SLOPES... 6. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR DIVERTING/PUMPING ALL FORMS OF WATER FROM THE WORKING AREA OF THE SITE... 7. THE SIDES OF FOUNDATION CONCRETE (FOOTINGS, PILE CAPS, CAISSON CAPS, ETC.) MAY BE EARTH FORMED PROVIDED THE EXCAVATION CAN BE SAFELY KEPT VERTICAL, CLEAN AND STABLE... 8. WEATHERLY STRUCTURAL ENGINEERS ARE NOT RESPONSIBLE FOR TRASH, DEBRIS, SOFT AREAS FOR ANY OTHER ANOMALY WHICH MAY FOUND UNDER THE BUILDING SITE... 9. CONTRACTOR TO ASSUME STRIPPING AWAY 1'-0" OF TOP SOIL AND PROVIDING COMPACTED FILL TO PROVIDE PROPER BUILDING PAD... 10. GEOTECHNICAL ENGINEER SHALL CONFIRM ADEQUACY AND MAY ADJUST REQUIREMENTS BASED ON FIELD CONDITIONS.

CONCRETE:

- 1. ALL CONCRETE AND REINFORCING BARS SHALL BE INSTALLED ACCORDING TO STANDARDS SET FORTH BY THE LATEST EDITION OF ACI-318... 2. REINFORCEMENT SHALL BE HELD IN PLACE DURING CONCRETE PLACEMENT... 3. 28 DAY MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS: FOOTINGS 3000 PSI, SLABS ON GRADE 4000 PSI, STEPS ON GRADE 4000 PSI. NO CALCIUM CHLORIDE SHALL BE USED IN MIX... 4. THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN CONCRETE IS TO BE PLACED AND CURED DURING COLD OR HOT WEATHER... 5. NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE ABOVE THAT PRESCRIBED IN THE MIX DESIGN UNLESS APPROVED BY THE ARCHITECT OR STRUCTURAL ENGINEER... 6. REINFORCING STEEL SHALL BE GRADE 60, MINIMUM LAP IN CONCRETE SHALL BE IN ACCORDANCE W/ ACI-318... 7. WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 1'-0"... 8. POST-INSTALLED ANCHORS MAY ONLY BE USED AS SPECIFIED IN THE STRUCTURAL DRAWINGS... 9. THE GENERAL CONTRACTOR SHALL SUBMIT REBAR SHOP DRAWINGS SHOWING NUMBER, SIZE AND LOCATION... 10. PROVIDE PROPERLY TIED SPACERS, CHAIRS, BOLSTERS, ETC. AS REQUIRED AND NECESSARY TO ASSEMBLE, PLACE AND SUPPORT ALL REINFORCING... 11. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO COLLECT CYLINDERS AND PERFORM THE NECESSARY CONCRETE TESTS... 12. 4" SLAB ON GRADE SHALL BE REINFORCED WITH #6X6-W/4 X W/4 W/WF ON PROPERLY PREPARED BASE MATERIAL... 13. THE CONTRACTOR, CONCRETE SUPPLIERS AND ALL RELATED SUBCONTRACTORS SHALL BE EXPERIENCED IN THE USE OF CONCRETE ADMIXTURES... 14. UNLESS SPECIFIED OTHERWISE, THE CONTRACTOR SHALL SPACE SLAB JOINTS NOT EXCEED 36 TIMES THE SLAB THICKNESS PER ACI (AMERICAN CONCRETE INSTITUTE). THE WIDTH TO LENGTH OF JOINTED SECTIONS SHALL NOT EXCEED THE RATIO OF 1 TO 1-1/2.

COLD-FORMED STEEL FRAMING/METAL STUDS:

- 1. ALL LOAD BEARING STEEL STUDS SHALL BE SQUARELY SEATED IN THE UPPER AND LOWER TRACKS WITH THE STUD WEB AND FLANGE ABUTTING THE TRACKS... 2. ALL STEEL FRAMING SHALL BE INSTALLED BY PERSONNEL EXPERIENCED IN LIGHT GAGE METAL FRAMING INSTALLATION... 3. GAUGE STEEL FRAMING MEMBERS SHALL BE PROTECTED AGAINST RUSTING AND DAMAGE... 4. WHERE STEEL FRAMING MEMBERS ARE COMPONENTS OF ASSEMBLIES INDICATED IN THE CONSTRUCTION DOCUMENTS FOR A FIRE-RESISTANCE RATING... 5. -640 GALVANIZING RECOMMENDED FOR INTERIOR (INTERIOR/INTERIOR) WALL SYSTEMS... 6. -640 GALVANIZING RECOMMENDED FOR EXTERIOR (INTERIOR/EXTERIOR) WALL SYSTEMS... 7. -640 GALVANIZING RECOMMENDED FOR ALL EXTERIOR (EXTERIOR/EXTERIOR) WALL SYSTEMS... 8. THE CONTRACTOR SHALL PROVIDE THE MANUFACTURERS STANDARD STEEL RUNNERS/TRACKS, BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED... 9. EXTERIOR WALL SYSTEMS SHALL BE DESIGNED TO WITHSTAND BOTH POSITIVE AND NEGATIVE WIND PRESSURES... 10. THE CONTRACTOR SHALL INSTALL SUFFICIENT TEMPORARY BRACINGS... 11. ALL ATTACHMENTS SHALL BE DONE BY WELDING, SCREW ATTACHMENT, OR BOLTING... 12. WALL BRIDGING FOR INTERIOR NON-LOAD BEARING METAL STUDS WALLS SHALL BE SPACED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS... 13. WALL BRIDGING FOR LOAD BEARING WALLS SHALL BE INSTALLED AT A MAXIMUM SPACING OF 48" ON CENTER... 14. FOR WELDED CONNECTIONS, FUSION WELDING (660 ELECTRODES) IS RECOMMENDED... 15. ALL STUDS AND JOISTS SHALL BE OF THE SIZE, TYPE, GAGE AND SPACING AS INDICATED... 16. STUD FRAMING USED TO FORM AND SUPPORT CEILINGS, CEILING FEATURES, SOFFITS AND THE LIKE SHALL BE CONSTRUCTED BY EXPERIENCED FRAMERS... 17. AS PART OF THE FRAMING OF THE COLD-FORMED METAL FRAMING, THE FRAMER SHALL MAKE THE NECESSARY PROVISIONS FOR MECHANICAL UNITS, PLATFORMS FOR SERVICING UNITS, AND THE NECESSARY WALKWAYS AND CLEARANCES PER THE APPLICABLE CODE(S).

LOAD TABLE 2018 INTERNATIONAL BUILDING CODE AND ASCE 7-16 RISK CATEGORY: II BASIC LATERAL-FORCE RESISTING SYSTEM: METAL STUD WALLS SHEATHED W/ WOOD STRUCTURAL PANELS LIVE LOADS: 1. FLOOR LOADS: A. Library = 100 psf 2. ROOF LOADS: A. Basic roof live load = 20 psf 3. PARTITIONS: A. Partition load = 15 psf DEAD LOADS: 1. USE ACTUAL DEAD LOADS OF MATERIALS SNOW LOADS: GROUND SNOW LOAD - Pg = 10 psf WIND LOADS: Vmax=150 (mph) Vdes=116 (mph) WIND EXPOSURE = C COMPONENTS & CLADDING (see chart below) C&C WIND PRESSURES (ALLOWABLE) BASED ON EFFECTIVE WIND AREA (psf) ZONE 10ft2 20ft2 50ft2 100ft2 ROOF (1) -21.9 -39.4 +18.9 -34.9 +15.0 -28.9 +12.0 -24.4 ROOF (2) +21.9 -54.4 +18.9 -48.6 +15.0 -41.0 +12.0 -35.2 ROOF (3) +21.9 -54.4 +18.9 -48.6 +15.0 -41.0 +12.0 -35.2 ROOF (4) +21.9 -54.4 +18.9 -48.6 +15.0 -41.0 +12.0 -35.2 WALL (1) +29.4 -31.9 +28.1 -30.6 +26.4 -28.8 +25.0 -27.5 WALL (2) +29.4 -39.4 +28.1 -36.8 +26.4 -33.2 +25.0 -30.6 a = width of pressure coeff. zone = 3.0 feet Roof Net Uplift = (Zone Suction Reduced by Dead Load) All pressures shown are based upon ASD Design (Load Factor of 0.6) SEISMIC LOADS: SOIL SITE CLASS - D SEISMIC IMPORTANCE FACTOR - Ie = 1.0 SPECTRAL RESPONSE ACCELERATIONS Ss = 0.478 S1 = 0.158 SPECTRAL RESPONSE COEFFICIENTS Sds = 0.452 Sd1 = 0.241 SEISMIC DESIGN CATEGORY = D RESPONSE MODIFICATION FACTOR: R=6.5 LIGHT FRAMED COLD FORMED STEEL WALLS SHEATHED W/ PLYWOOD PANELS SEISMIC RESPONSE COEFFICIENT - Cs = 0.07 DESIGN BASE SHEAR - 12 kips ANALYSIS PROCEDURE - EQUIVALENT FORCE METHOD * Much of the information presented in this load table originates from the applicable building code(s).

Weatherly STRUCTURAL ENGINEERS 514 Alder Street Box B Suite 2, Myrtle Beach, S.C. 29577 Ph. - 843.448.3428 Fax - 843.445.9116 Tych & Walker ARCHITECTS, LLP 38 BLACKGUM ROAD, UNIT B PO BOX 509 FAWCETS ISLAND, SC 29585 843.682.7074 MWALKER@TYCHWALKER.COM AN ADDITION TO GEORGETOWN COUNTY LIBRARY HEADQUARTERS GEORGETOWN, SOUTH CAROLINA WE - 21 - 309 03/03/22 STRUCTURAL NOTES & MATERIAL REQUIREMENTS S1.0

STATEMENT OF SPECIAL INSPECTIONS (PER CHAPTER 17, 2015 IBC)

SPECIAL INSPECTION COMPANY / COORDINATOR - TO BE RETAINED BY OWNER

| BUILDING SYSTEM OR COMPONENT | MATERIAL SUBMITTAL | TESTING | | | INSPECTION (PER IBC) | | | QUALITY ASSURANCE (PER IBC) | |
|----------------------------------|--|---|--|--|---|---|---|---|---|
| | | REQUIREMENTS | FREQUENCY | AGENCY | MONITORING | FREQUENCY | AGENCY | PART OF WIND | PART OF SEISMIC |
| SOILS (COMPACTED FILL) | N/A | 1. TEST IN PLACE DRY DENSITY OF COMPACTED FILL. | 1. AS APPROVED GEOTECHNICAL ENGINEER | TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL | AS EXCAVATION AND FILL PLACEMENT BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH GEOTECHNICAL REPORT: 1. MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY AS SPECIFIED IN SOILS REPORT. 2. EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. 4. USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. 5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY. | 1. PERIODIC 2. PERIODIC 3. PERIODIC 4. CONTINUOUS 5. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. COLUMNS AND SHEARWALLS ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL. | 1. COLUMNS AND SHEARWALLS ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL. |
| CONCRETE FOUNDATIONS | 1. SUBMIT CONCRETE MIX DESIGN. 2. SUBMIT FOUNDATION REINFORCEMENT SHOP DRAWINGS. 3. VERIFY PROPER CONCRETE STRENGTH. | 1. TEST CONCRETE STRENGTH. | 1. (1) SET OF CYLINDERS FOR EACH VERTICAL LIFT OR EACH 50 YARDS OF CONCRETE. | TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL | AS CONCRETE AND REINFORCING STEEL CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE INSPECTED TO ENSURE COMPLIANCE: 1. VERIFY REINFORCING SIZE, QUANTITY & PLACEMENT 2. ANCHORS CAST IN CONCRETE 3. ANCHORS POST INSTALLED IN HARDENED CONCRETE 4. VERIFYING USE OF REQUIRED DESIGN MIX 5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TEST, AND DETERMINE THE TEMPERATURE OF CONCRETE 6. CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES 7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED | 1. PERIODIC 2. PERIODIC 3. PERIODIC 4. PERIODIC 5. CONTINUOUS 6. CONTINUOUS 7. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL | 1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL |
| COLD FORM FRAMING | 1. SUBMIT MANUFACTURER'S CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL. | N/A | N/A | N/A | 1. VERIFY ALL SIZES, SPACINGS, AND GAUGES ETC. CONFORM W/ CONSTRUCTION DOCUMENTS 2. VERIFY ALL CONNECTIONS AND FASTENERS CONFORM WITH CONSTRUCTION DOCUMENTS 3. VERIFY ALL BRIDGING AND BRACING CONFORMS WITH CONSTRUCTION DOCUMENTS | 1. PERIODIC 2. PERIODIC 3. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. YES | 1. YES |
| PLYWOOD ON METAL STUD SHEARWALLS | 1. VERIFY WOOD MEMBER GRADES. | 1. NONE | 1. NONE | 1. NONE | 1. EACH SHEARWALL WILL BE MONITORED FOR: A. MATERIAL DIMENSIONS AND SPACING B. ATTACHMENT VERIFICATION | 1. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. YES | 1. YES |
| WOOD CONSTRUCTION | 1. SUBMIT PRE-ENGINEERED TRUSS DWGS PREPARED UNDER REGISTERED ENGINEER. 2. SUBMIT HOLD DOWN SHOP DRAWINGS. 3. SUBMIT MANUFACTURER DATA ON CONNECTION HARDWARE. | 1. NONE | 1. NONE | TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC | AS WOOD CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE INSPECTED TO ENSURE COMPLIANCE: 1. VERIFY WOOD STRUCTURAL ELEMENTS PROPER SIZE & GRADE 2. VERIFY GRADE & THICKNESS OF ALL STRUCTURAL PANEL SHEATHING 3. VERIFY ALL STRUCTURAL FASTENING & BLOCKING INCLUDING PATTERNS OF WALL, FLOOR & ROOF SHEATHING | 1. PERIODIC 2. PERIODIC 3. PERIODIC 4. PERIODIC 5. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. YES | 1. YES |
| WOOD ROOF DIAPHRAGM | 1. VERIFY BOLTING, STRAPPING, BRACES AND OTHER HOLD DOWN INFO. | 1. NONE | 1. NONE | 1. NONE | EACH DIAPHRAGM WILL BE MONITORED FOR: A. MATERIAL DIMENSIONS B. ATTACHMENT VERIFICATION | 1. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. YES | 1. YES |
| CONNECTION HARDWARE | 1. SUBMIT MANUF. DATA ON CONNECTION HARDWARE IF OTHER THAN SPECIFIED MATERIAL. | 1. NONE | 1. NONE | 1. NONE | 1. ALL HARDWARE TO BE MONITORED FOR: A. SPACING B. ATTACHMENT VERIFICATION | 1. PERIODIC | WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317 | 1. YES | 1. YES |

NOTE: ALL TESTING, INSPECTION & RELATED REPORTS SHALL BE SENT TO THE SPECIAL INSPECTION COORDINATOR & THE OWNER. ANY DEFICIENCIES SHALL BE CLEARLY NOTED & BROUGHT TO THE ATTENTION OF THE SPECIAL INSPECTION COORDINATOR BEFORE THE END OF THE INSPECTOR'S SHIFT.

DEFINITIONS:
 - SPECIAL INSPECTOR: PER IBC "A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED AGENCY AND APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION".
 - PERIODIC SPECIAL INSPECTION: PER IBC "SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED".
 - CONTINUOUS SPECIAL INSPECTION: PER IBC "SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED". THIS IS INTENDED TO BE A CONTINUOUS INSPECTION.

WOOD/LUMBER:

- ALL ROOFING PLYWOOD DECKING TO BE 5/8" EXTERIOR GRADE. ALL PLYWOOD DECKING SHALL BE ATTACHED WITH A NAILING PATTERN OF 2d NAILS @ 6" ON CENTER ALONG EDGES AND 12" ON CENTER ALONG INTERMEDIATE SUPPORTS/RAFTERS. ALL SEAMS SHALL BE BLOCKED.
- ENDS OF ALL ROOF RAFTERS SHALL BE ANCHORED WITH WIND UPLIFT ANCHORS BY SIMPSON OR EQUAL. SUCH ANCHORS SHALL BE USED @ JOINTS BETWEEN PLATES, STUDS AND SILL PLATES TO PROVIDE AN UNBROKEN PATH OF UPLIFT RESISTANCE FROM THE ROOF TO THE FOUNDATION.
- ALL BUILT-UP BEAMS/LINTELS OF WOOD, PLYWOOD AND/OR LAMINATED MEMBERS SHALL BE GLUED AND NAILED TOGETHER. BEAMS/LINTELS CONSTRUCTED USING STEEL FLITCH PLATES SHALL BE CONSTRUCTED WITH 5/8" DIAMETER THRU-BOLTS AT 12" ON CENTER (STAGGERED).
- AS PART OF THE WOOD FRAMING, THE FRAMER SHALL MAKE THE NECESSARY PROVISIONS FOR MECHANICAL UNITS, PLATFORMS FOR SERVICING UNITS, AND THE NECESSARY WALKWAYS AND CLEARANCES PER THE APPLICABLE CODE(S). ADDITIONAL WOOD FRAMING MAY BE REQUIRED BY OTHER DESIGN TEAM MEMBERS TO PROVIDE CLOSURE FOR DUCT CHASES, BUILD DOWNS, ETC. SEE DRAWINGS AND REQUIREMENTS BY OTHERS.
- ENGINEERED WOOD BEAMS SHALL HAVE A MINIMUM @EA VALUE OF 2,000,000 AND AN ALLOWABLE BENDING STRESS OF 2500 PSI AS A MINIMUM.

PRE-MANUFACTURED WOOD COMPONENTS:

1. THE WOOD TRUSS DESIGN SHEETS AND SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. THE FILE COPIES OF THE TRUSS DESIGNS, SHOP DRAWINGS AS WELL AS THE ERECTION PLANS (INCLUDING REQUIRED TEMPORARY BRACING AND BRACING LOADS) SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROPOSED BUILDING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALLOW HIS SUBCONTRACTORS TO PROCEED TO ERECT TRUSSES WITHOUT THE GUIDANCE OF THE WOOD TRUSS DESIGNER OR AN EXPERIENCED BRACING ENGINEER. AN EXPERIENCED BRACING ENGINEER SHALL BE RETAINED BY THE GENERAL CONTRACTOR TO MEET ALL TRUSS BRACING REQUIREMENTS SET FORTH BY THE APPLICABLE BUILDING CODE(S). REGARDLESS OF ANY PRINTED MATTER BY ANY TRUSS MANUFACTURERS, DESIGNERS OR TRUSS ORGANIZATIONS-THE ENGINEER-OF-RECORD FOR THIS PROJECT IS NOT TO BE CONSIDERED AS THE EXPERIENCED BRACING ENGINEER REFERRED TO IN THESE DOCUMENTS AND PER THE BUILDING CODE.

THE BASIC INSTALLATION OF THE TEMPORARY BRACING FOR ROOF AND FLOOR TRUSSES (TRUSSES SPACED UP TO 24 INCHES ON CENTER) MAY BE INSTALLED USING HIB-4I 6HANDLING INSTALLING AND BRACING BY THE TRUSS PLATE INSTITUTE AS A GUIDE ONLY. THE CONTRACTOR (OR HIS SUBCONTRACTOR) SHALL CONTRACT WITH A PROFESSIONAL ENGINEER (IN THE PROJECT STATE) KNOWLEDGEABLE IN SHORING AND BRACING TO PROVIDE THE NECESSARY BRACING DESIGN FOR ALL WOOD TRUSSES, GIRDERS, PIGGY-BACK TRUSSES AND RELATED COMPONENTS.

THE CONSTRUCTION DOCUMENTS ISSUED BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER INDICATE LOCATIONS OF ROOF SHEATHING AND FLOORING WHICH MAY BE CONSIDERED BY THE TRUSS SUPPLIER FOR PROVIDING PERMANENT BRACING FOR THE APPLICABLE CHORDS OF THE WOOD TRUSSES AND OTHER RELATED COMPONENTS. THE ADDITIONAL PERMANENT BRACING REQUIRED TO BRACE THE MEMBERS OF THE WOOD TRUSSES, PIGGY-BACK TRUSSES, GABLE ENDS, ETC. SHALL BE DESIGNED AND SUPPLIED BY THE CONTRACTOR (OR HIS SUBCONTRACTOR(S)) OR AN EXPERIENCED BRACING ENGINEER. ALL THE REQUIRED PERMANENT BRACING CANNOT BE DETERMINED IN THE CONSTRUCTION DOCUMENTS SINCE IT IS DEPENDENT UPON THE DESIGN OF THE TRUSSES, GIRDERS, AND OTHER RELATED COMPONENTS. FOR THIS REASON, IT IS REQUIRED THAT THE DESIGN AND MATERIALS ASSOCIATED WITH THE PERMANENT BRACING SHALL BE INCLUDED IN THE SCOPE OF WORK FOR THE TRUSS SUPPLIER AND/OR TRUSS AND BRACING DESIGNER. ALL DESIGNERS SHALL BE REGISTERED IN THE PROJECT STATE. AS WITH ALL BRACING, ANY DESIGN FEES ASSOCIATED WITH THIS WORK SHALL BE PART OF THE CONTRACT.

2. WOOD COMPONENT MANUFACTURER TO COORDINATE ALL DIMENSIONS WITH THE ARCHITECT.

3. ROOF TRUSSES TO BE DESIGNED FOR:

WIND SPEED PER LOCAL BUILDING CODE

TOP CHORD DL = ACTUAL LOADS (**)
LL = 20 PSF
SNOW LOADS PER BUILDING CODE

BOTTOM CHORD DL = ACTUAL LOADS (**)
LL = 0 PSF (EXCEPT ATTIC AREAS)
LL = 30 PSF (ATTIC AREAS)

UPLIFT LOADS PER WIND ANALYSIS AS INDICATED BY APPLICABLE BUILDING CODE(S).

NOTE: A CONTRACTOR TO SUPPLY THE WOOD TRUSS DESIGNER/SUPPLIER WITH THE NECESSARY LOADS AND A FULL SET OF DRAWINGS TO ORDER FOR THE SUPPLIER/DESIGNER TO DETERMINE THE LOADS (AND LOCATION OF LOADS) OF ELECTRICAL, PLUMBING AND MECHANICAL SYSTEMS. THE ABOVE STATED LOADS SHALL BE CONSIDERED AS THE MINIMUM REQUIREMENT.

4. FLOOR TRUSSES/JOISTS SHALL BE DESIGNED FOR:

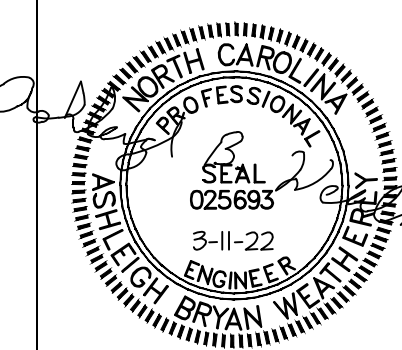
- DEAD LOADS = USE ACTUAL LOADS
- LIVE LOAD = PER LATEST EDITION OF APPLICABLE BUILDING CODE(S)

5. NO OPENINGS, NOTCHES OR MODIFICATIONS IN WOOD COMPONENTS SHALL BE FIELD CUT WITHOUT WRITTEN PERMISSION BY THE WOOD COMPONENT DESIGNER.

6. JOIST GIRDERS AND ENGINEERED WOOD BEAMS SHALL BE DESIGNED TO TAKE INTO CONSIDERATION THE UPLIFT FORCES DUE TO WIND. ADDITIONAL HOLD DOWN HARDWARE SHALL BE PROVIDED TO ACCOUNT FOR ACCUMULATED WIND LOADS AT THE ENDS OF THESE MEMBERS AND A CONTINUOUS PATH OF UPLIFT RESISTANCE PROVIDED TO THE FOUNDATION.

7. AS PART OF THE DESIGN OF THE WOOD TRUSSES, THE WOOD TRUSS DESIGNER SHALL MAKE PROVISIONS FOR MECHANICAL UNITS, DUCTS, PLATFORMS FOR SERVICING UNITS, AND THE NECESSARY WALKWAYS AND CLEARANCES PER THE APPLICABLE CODE(S).

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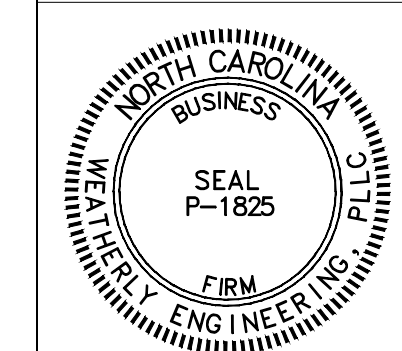
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38 BLACKGUM ROAD, UNIT B
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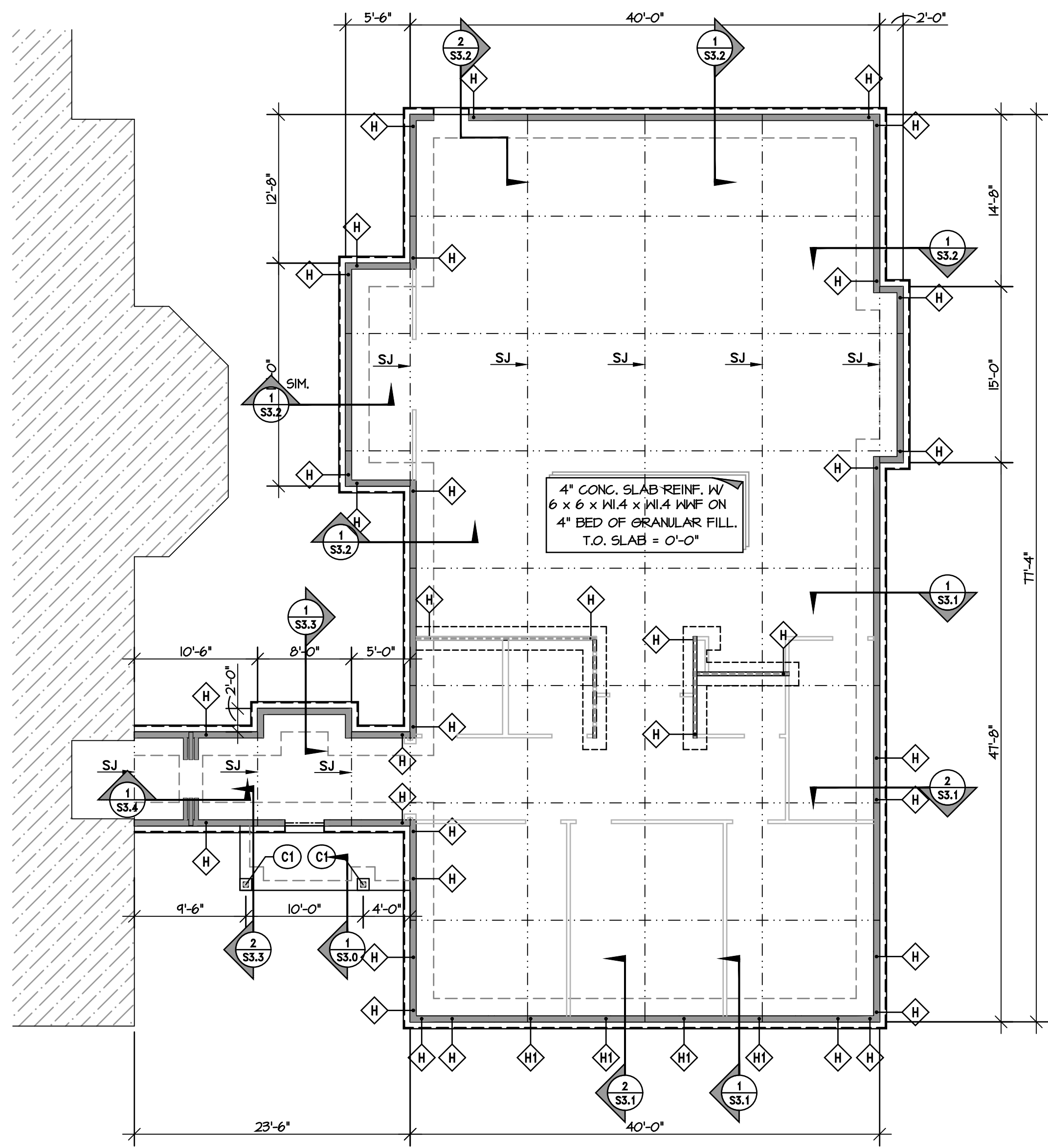
AN ADDITION TO
GEORGETOWN COUNTY
LIBRARY HEADQUARTERS

GEORGETOWN, SOUTH CAROLINA

WE - 21 - 309
03/03/22
STRUCTURAL NOTES & LOAD TABLE



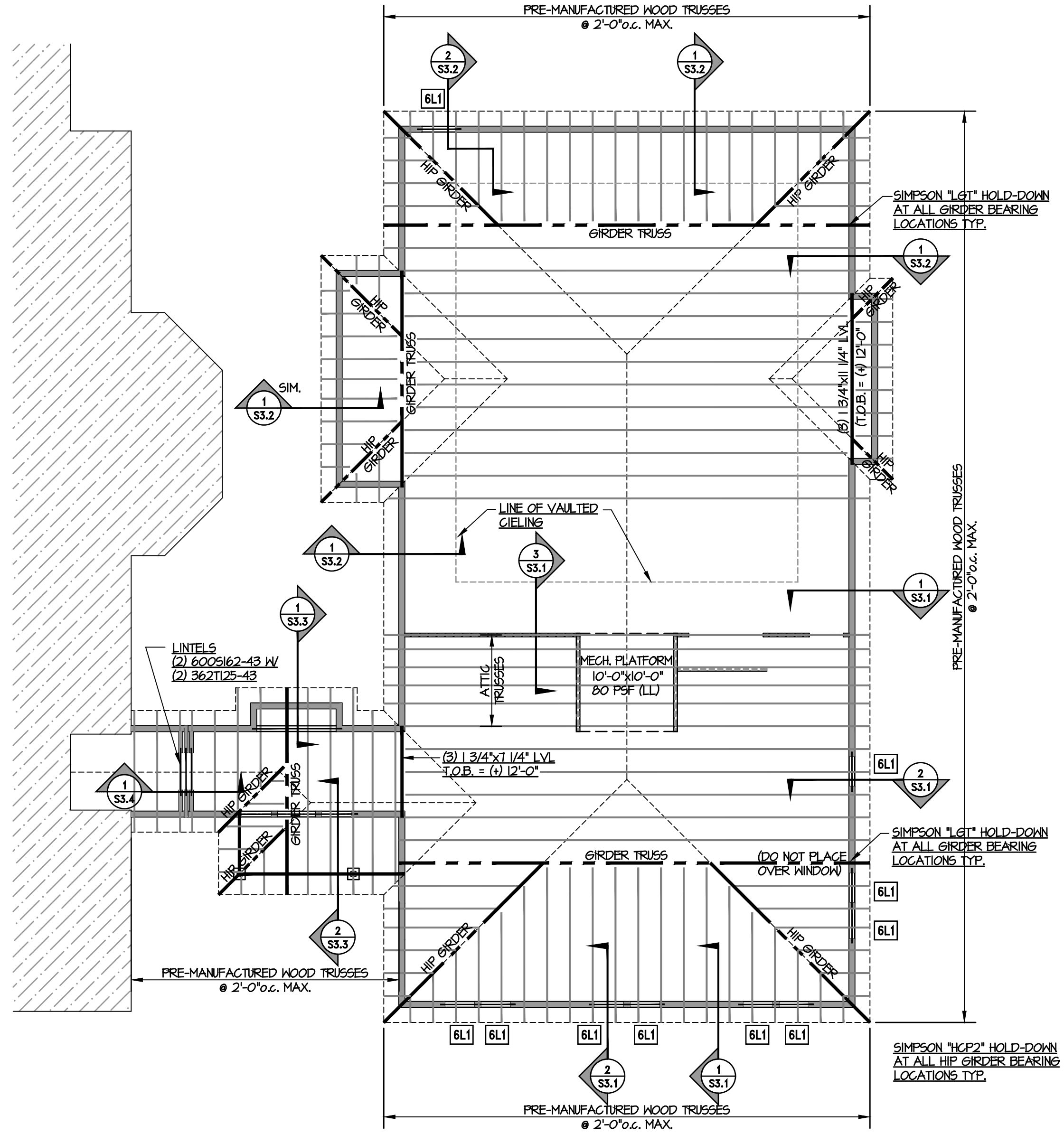
S1.1



FOUNDATION PLAN

SCALE = 1/8" = 1'-0"

- (CI) - DENOTES GAGE METAL STUD BOX COLUMN (2) 600S162-43 W (2) 600T162-43
- (H) - DENOTES SIMPSON "SH/DU4" WITH 5/8" BOLTS WITH (6) #14 SCREWS TO STEEL STUDS (2) STUDS AT EACH HOLD-DOWN
- (HT) - DENOTES "TSN" STIFF-CLIP "CL600-68" W/ 1/2" BOLT USED AS HOLD-DOWN
- WALL STUDS 600S162-43 AT 16" o.c. MAX. PROVIDE "TSN" STIFF-CLIP "CL600-68" AT 4'-0" o.c. TYPICAL
- INTERIOR SHEAR-WALL, WALL STUDS 362S162-43 AT 16" o.c. MAX. PROVIDE "TSN" STIFF-CLIP "CL362-68" AT 4'-0" o.c. TYPICAL W/ 1/2" PLYWOOD SHEATHING ONE SIDE



ROOF FRAMING PLAN

SCALE = 1/8" = 1'-0"

- (6L1) - SEE LINTEL SCHEDULE ON SHEET S85

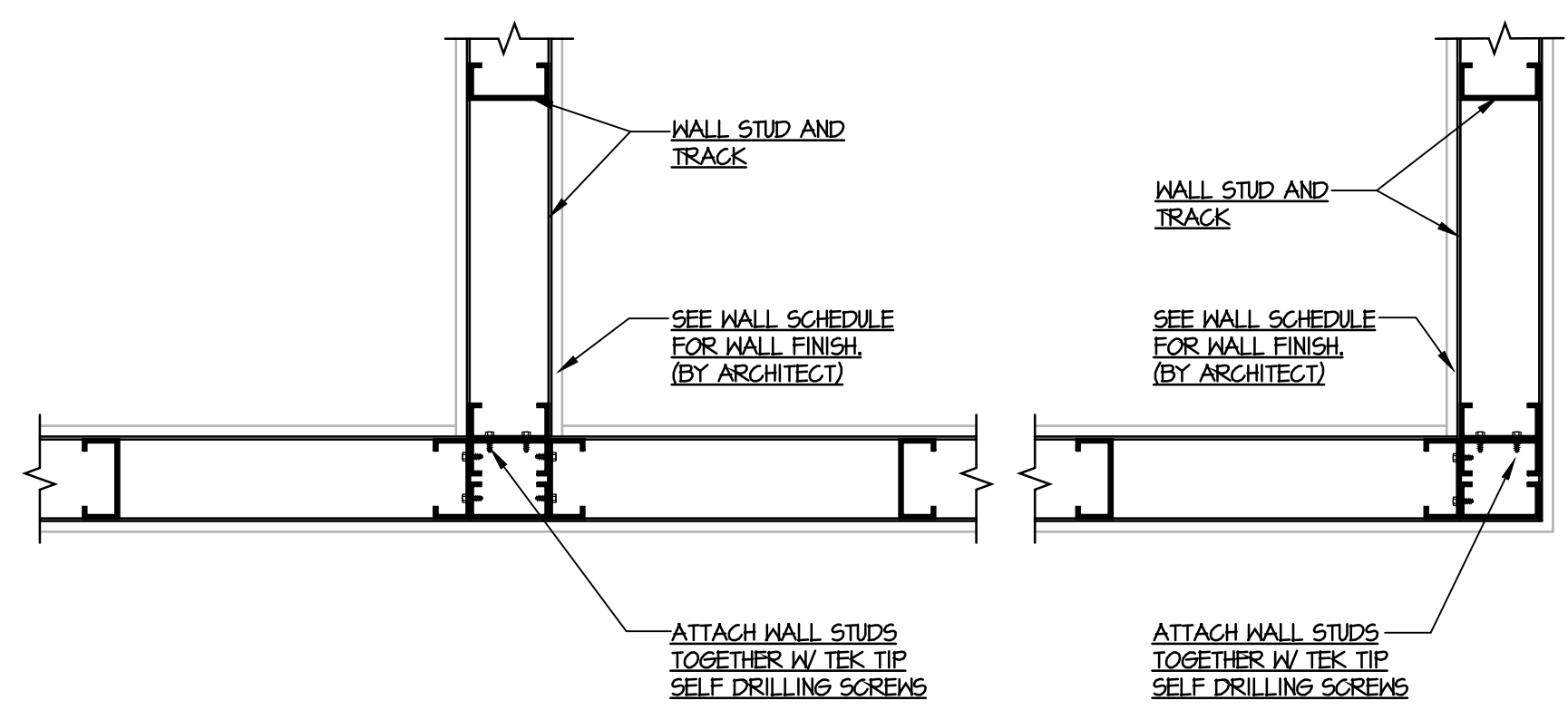
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AN ADDITION TO
**GEORGETOWN COUNTY
LIBRARY HEADQUARTERS**

GEORGETOWN, SOUTH CAROLINA

WE - 21 - 309
03/03/22
PARTIAL SLAB PLAN
S2.0



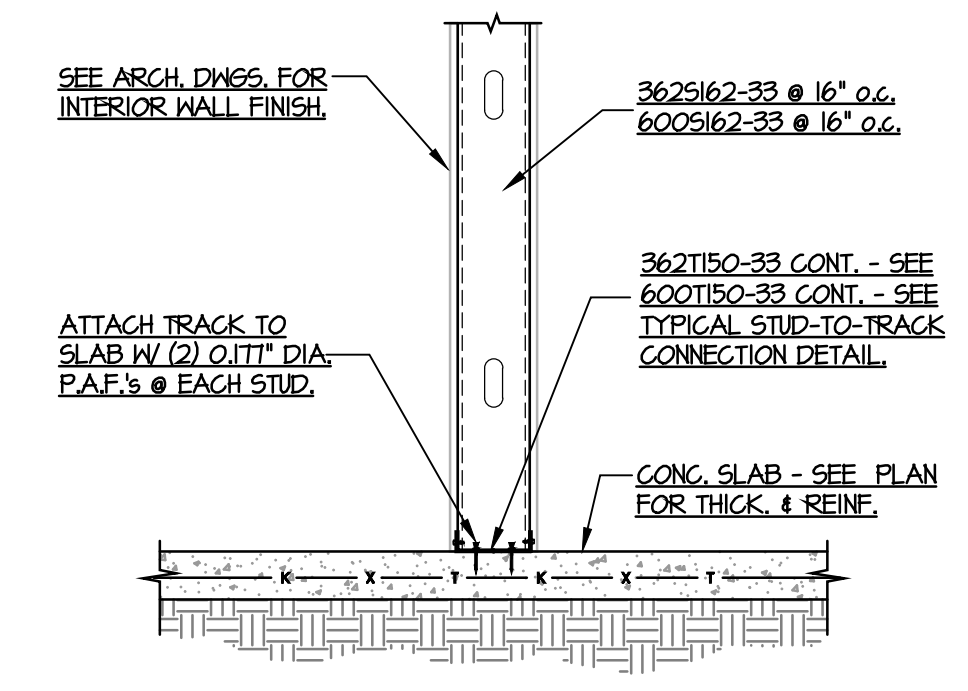
METAL STUD WALL INTERSECTION PERPENDICULAR TO WALL
METAL STUD WALL INTERSECTION @ CORNER

MINIMUM CONCRETE COVER

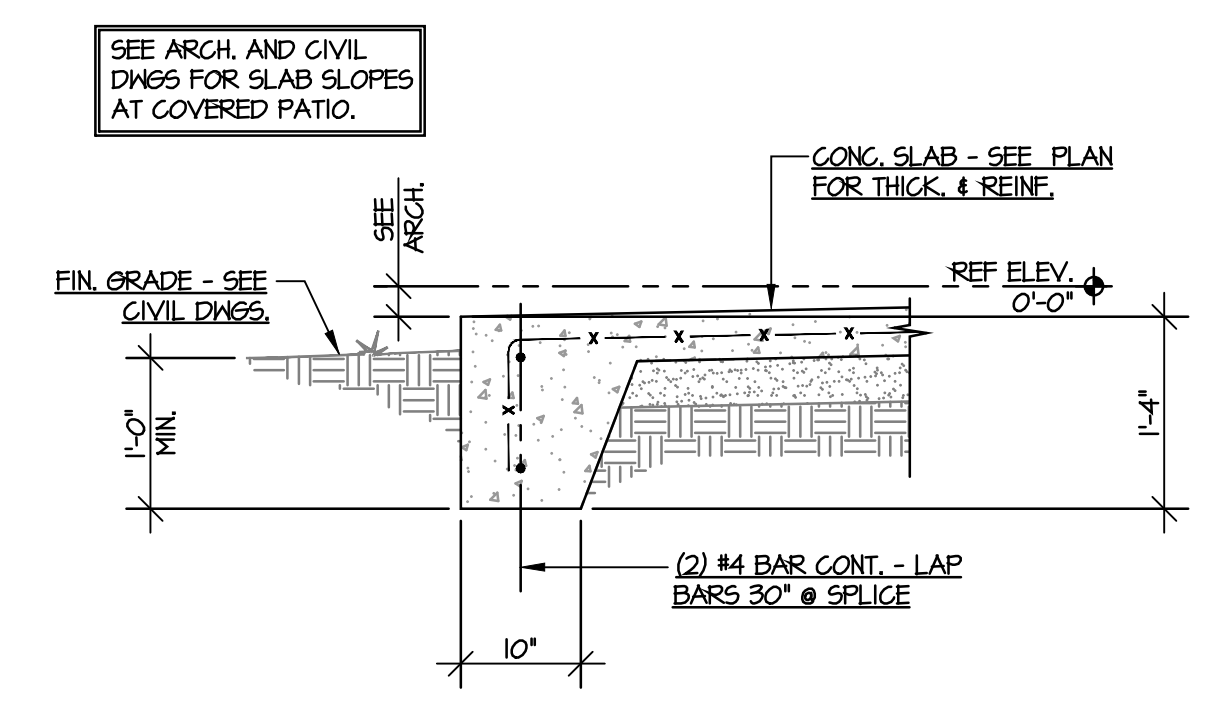
A. CONCRETE CAST AGAINST EARTH:
 1. ALL BARS 3" COVER

B. CONCRETE EXPOSED TO EARTH OR WEATHER:
 1. #6 THROUGH #18 BARS 2" COVER
 2. #5 BAR AND SMALLER 1-1/2" COVER

C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
 1. SLABS & WALLS #14 AND #18 BARS 1-1/2" COVER
 2. SLABS & WALLS #11 BAR AND SMALLER 3/4" COVER
 3. BEAMS & COLUMNS (ALL REINFORCEMENT) 1-1/2" COVER



ATTACHMENT DETAIL FOR ALL INTERIOR NON-LOAD BEARING WALLS
 (6" & 3 5/8" METAL STUD WALL)



SECTION 1
 SCALE = 3/4" = 1'-0"
 S3.0

LIGHT STEEL FRAMING MATERIAL SIZING CHART

| MEMBER SIZE | DESIGNATION | FLANGE WIDTH | DESIGNATION |
|-------------|-------------|--------------|-------------|
| 1 5/8" | 162 | 1 1/4" | 125 |
| 2 1/2" | 250 | 1 3/8" | 137 |
| 3 1/2" | 350 | 1 1/2" | 150 |
| 3 5/8" | 362 | 1 5/8" | 162 |
| 4" | 400 | 2" | 200 |
| 5 1/2" | 550 | 2 1/2" | 250 |
| 6" | 600 | | |
| 7 1/4" | 725 | | |
| 8" | 800 | | |
| 9 1/4" | 925 | | |
| 10" | 1000 | | |
| 11 1/2" | 1150 | | |
| 12" | 1200 | | |

MEMBER DEPTH: (EXAMPLE: 6" = 600 x 1/100 INCHES) ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCH. FOR ALL "T" SECTIONS, MEMBER DEPTH IS INSIDE TO INSIDE DIMENSION.

FLANGE WIDTH: (EX: 1 5/8" = 1.625 = 162 x 1/100 INCHES) ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES

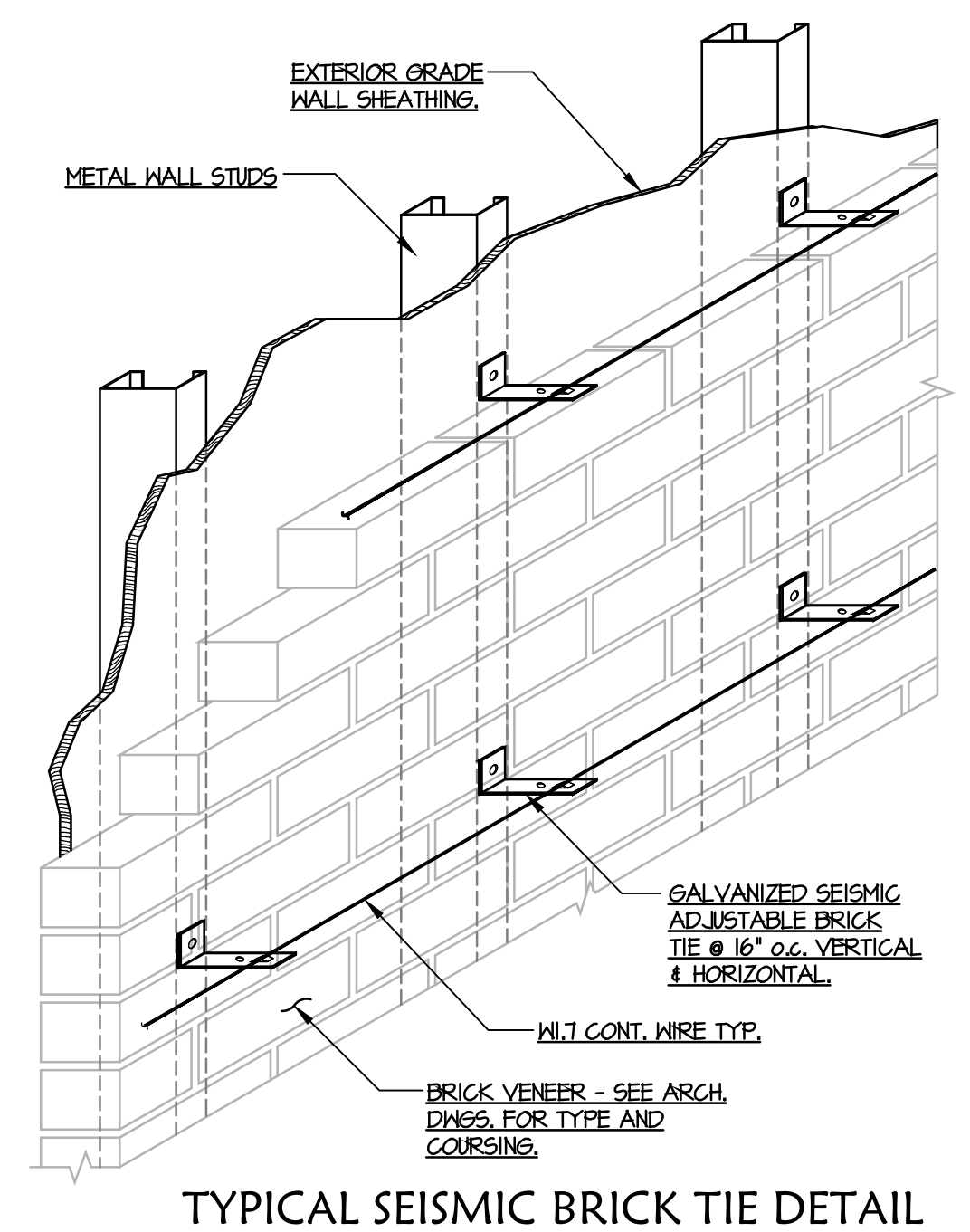
STEEL THICKNESS REFERENCE CHART

| GAGE NO. | MIL THICKNESS | DESIGN (IN.) | MINIMUM (IN.) |
|----------|---------------|--------------|---------------|
| 25 | 18 | 0.0188 | 0.0179 |
| 22 | 27 | 0.0283 | 0.0269 |
| 20 | 33 | 0.0346 | 0.0329 |
| 18 | 43 | 0.0451 | 0.0428 |
| 16 | 54 | 0.0566 | 0.0538 |
| 14 | 68 | 0.0713 | 0.0677 |
| 12 | 97 | 0.1017 | 0.0966 |

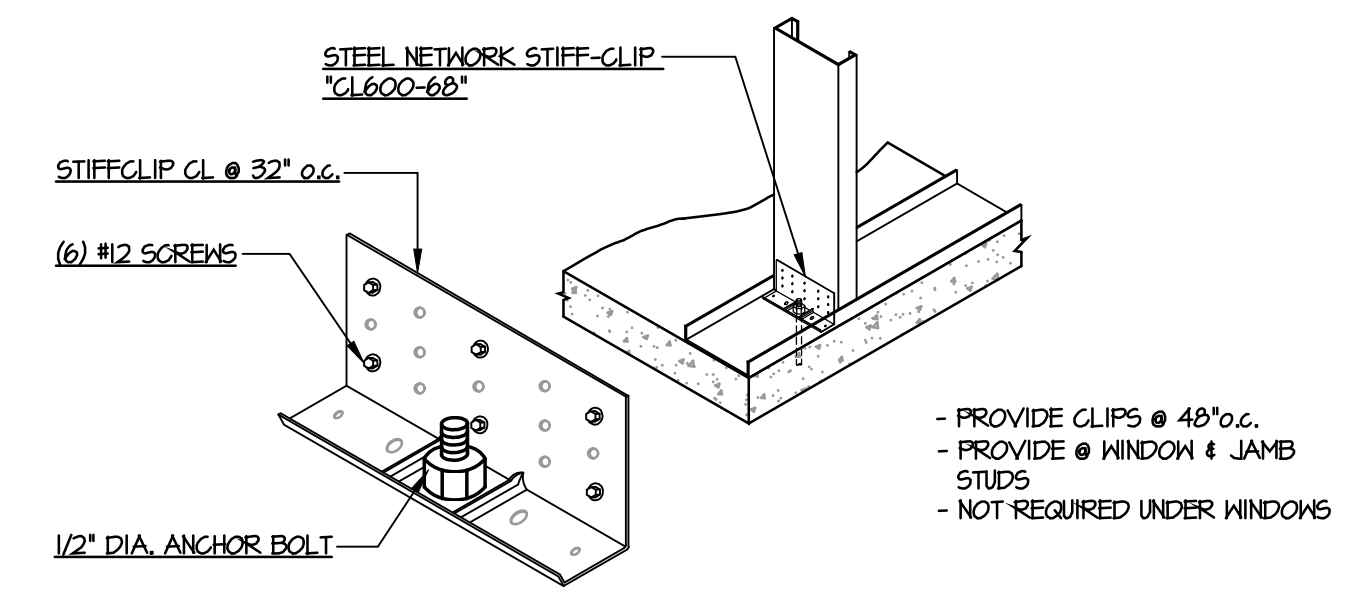
STEEL THICKNESS: (EXAMPLE: 0.054" = 54 MILS; 1 MIL = 1/100 IN.) MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.

600S162-54

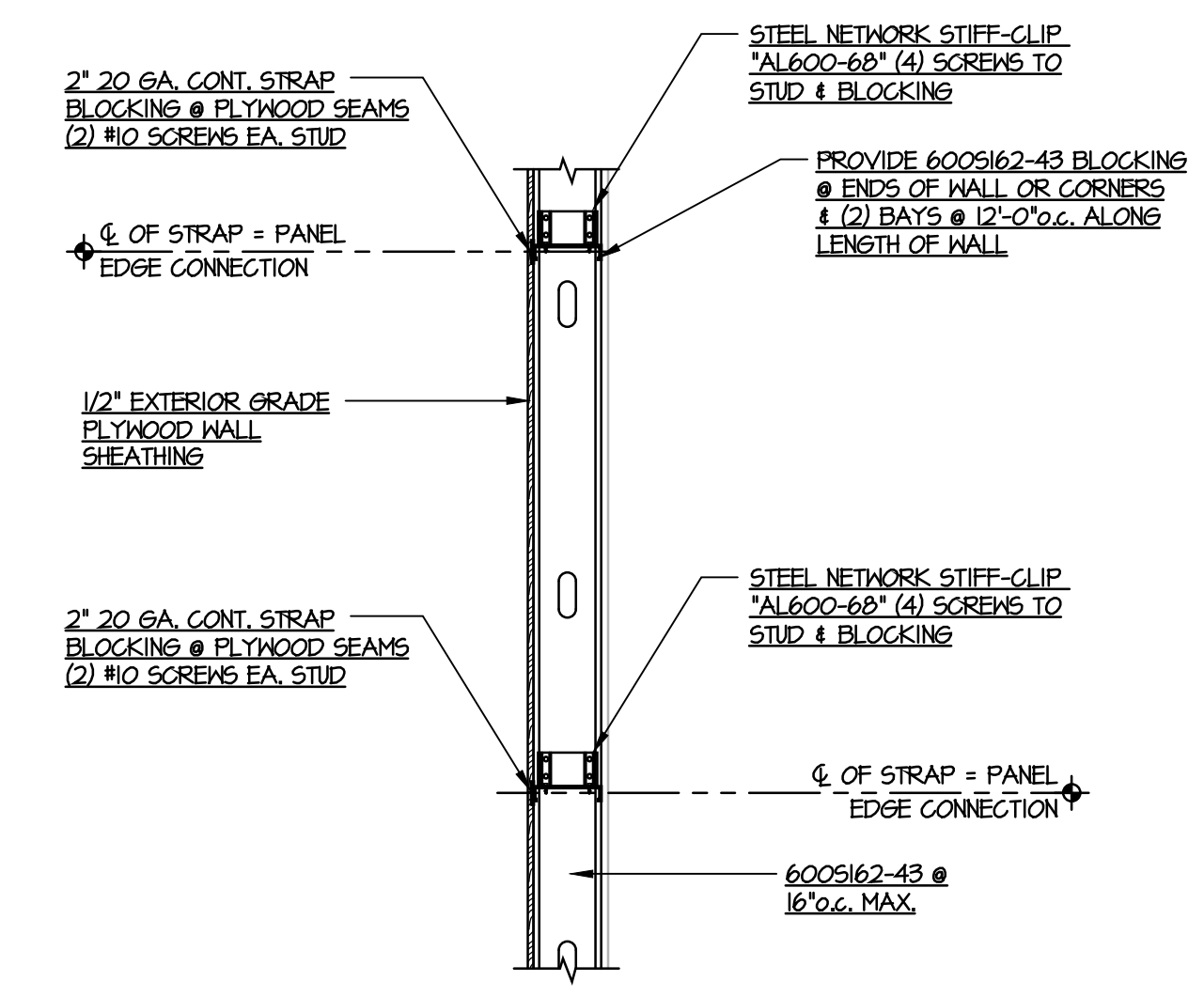
STYLE: (EXAMPLE: STUD OR JOIST SECTION = S) THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE:
 S = STUD OR JOIST SECTIONS
 T = TRACK SECTIONS
 U = CHANNEL SECTIONS
 F = FURRING CHANNEL SECTIONS



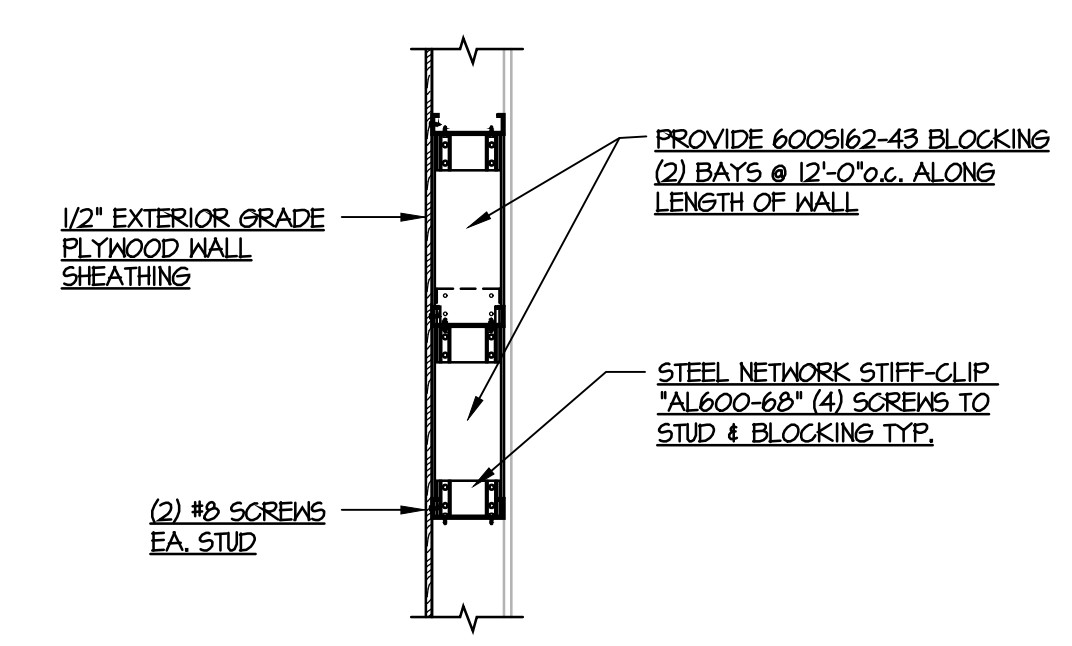
TYPICAL SEISMIC BRICK TIE DETAIL



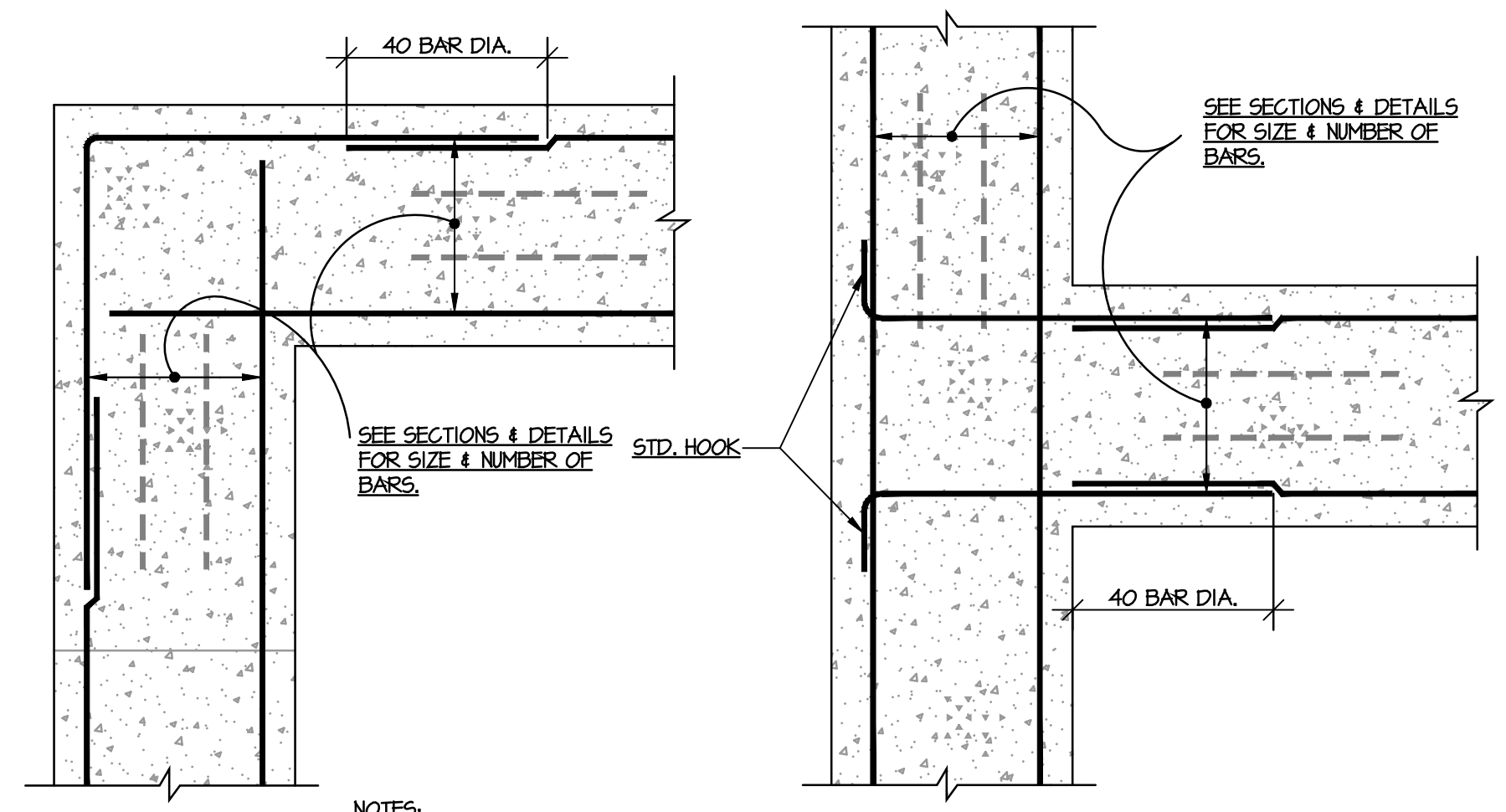
METAL STUD-TO-SLAB CONNECTION (6" METAL STUD WALL)
 NO SCALE



TYP. EXTERIOR METAL STUD WALL STRAPPING

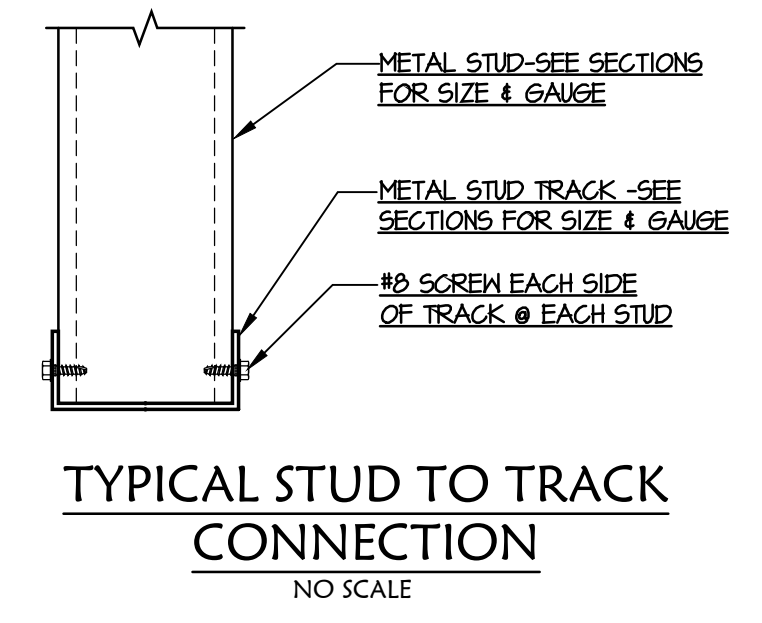


TYP. EXTERIOR METAL STUD WALL BLOCKING



TYPICAL REINFORCEMENT DETAIL OF CORNERS AND INTERSECTIONS @ WALL FOOTINGS

NOTES:
 1. CORNER BARS MATCH HORIZONTAL REINFORCEMENT IN SIZE AND SPACING.
 2. SEE SECTIONS AND DETAILS FOR SIZE AND NUMBER OF FOOTING BARS.



TYPICAL STUD TO TRACK CONNECTION
 NO SCALE

Weatherly
 STRUCTURAL ENGINEERS
 514 Alder Street Box B Suite 2, Myrtle Beach, S.C. 29577
 Ph. - 843.448.3428 Fax. - 843.445.9116

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 FAWCETS ISLAND, SC 29585
 843.668.7070
 MWALKER@TYCHWALKER.COM

REVISION DATE

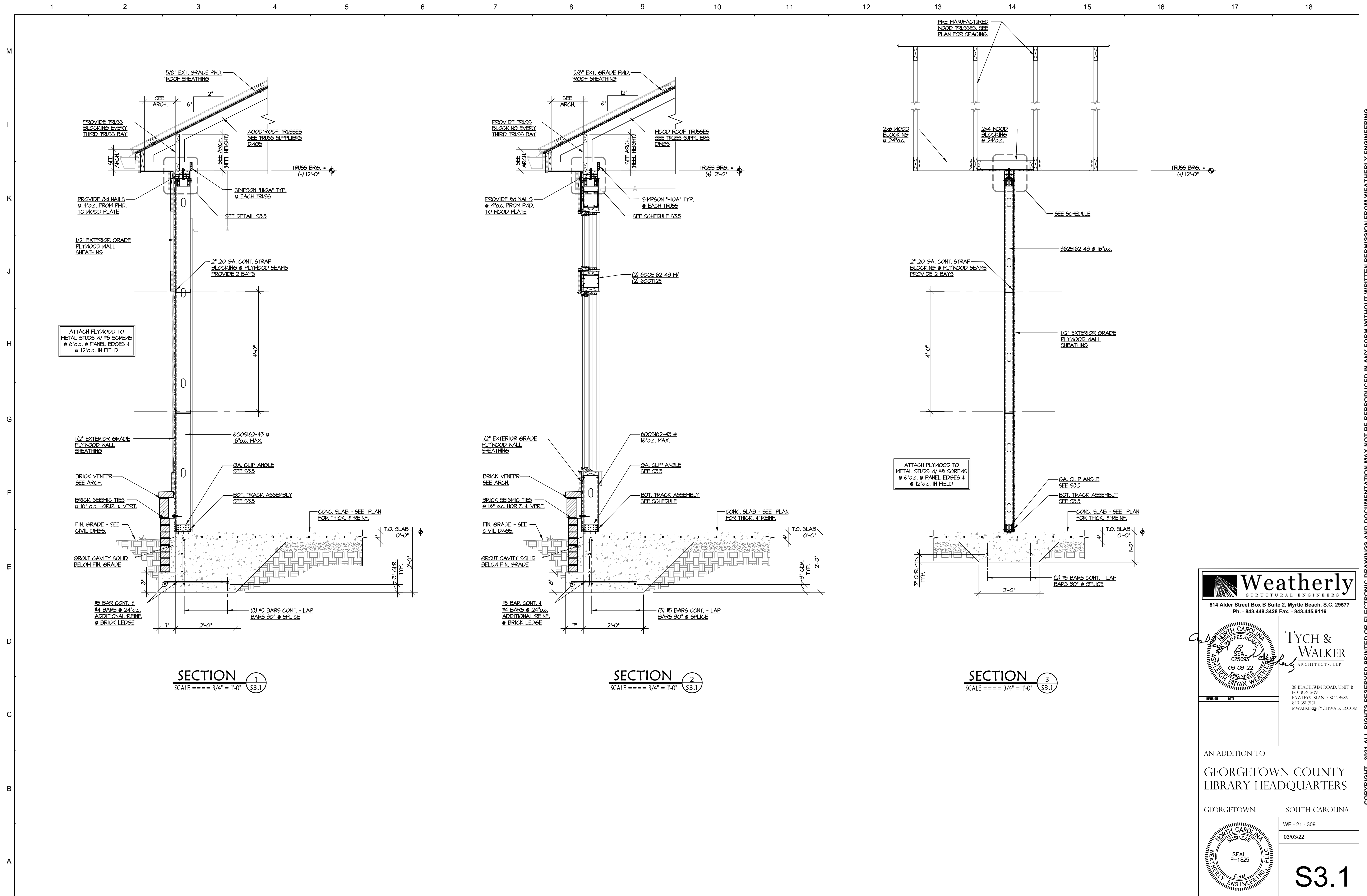
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| REVISION | DATE |
|----------|------|
| | |

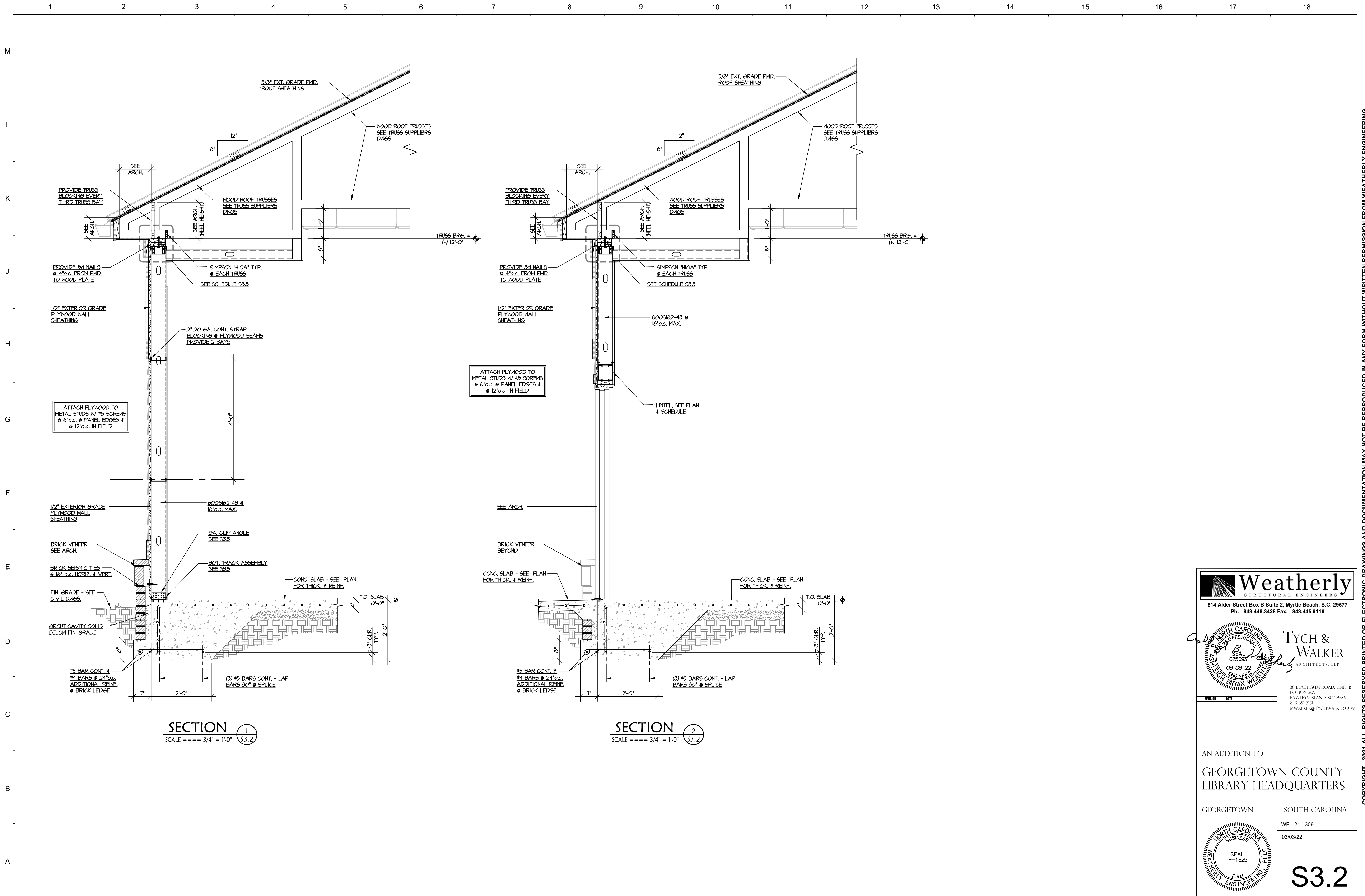
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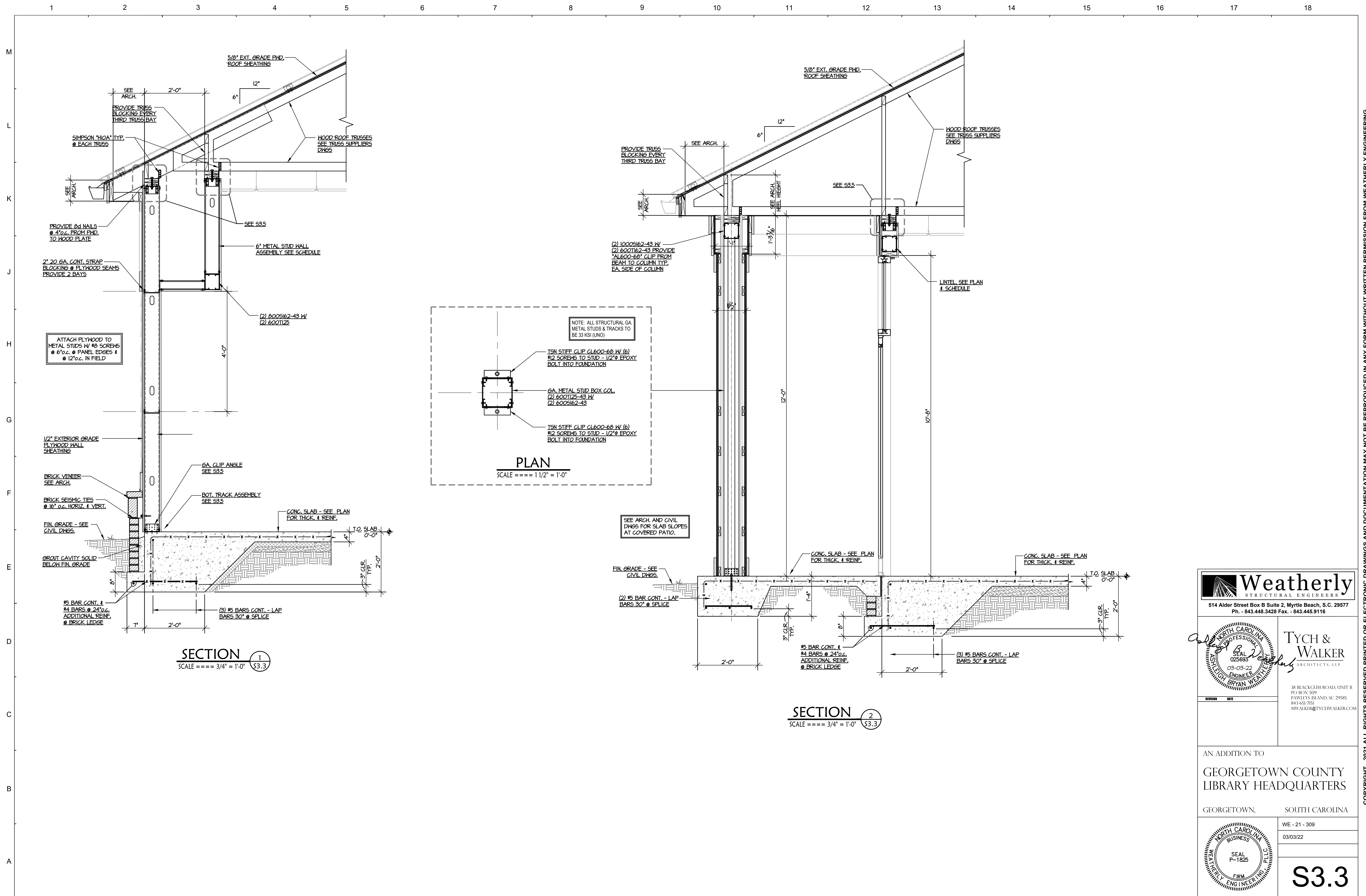


SECTION 1
SCALE === 3/4" = 1'-0" S3.2

SECTION 2
SCALE === 3/4" = 1'-0" S3.2

| | |
|--|--|
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| | <p>Tych & Walker ARCHITECTS, LLP 38 BLACKGUM ROAD, UNIT B PO BOX 509 FAMLEYS ISLAND, SC 29585 843.668.7074 MWALKER@TYCHWALKER.COM</p> |
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| <p>S3.2</p> | |

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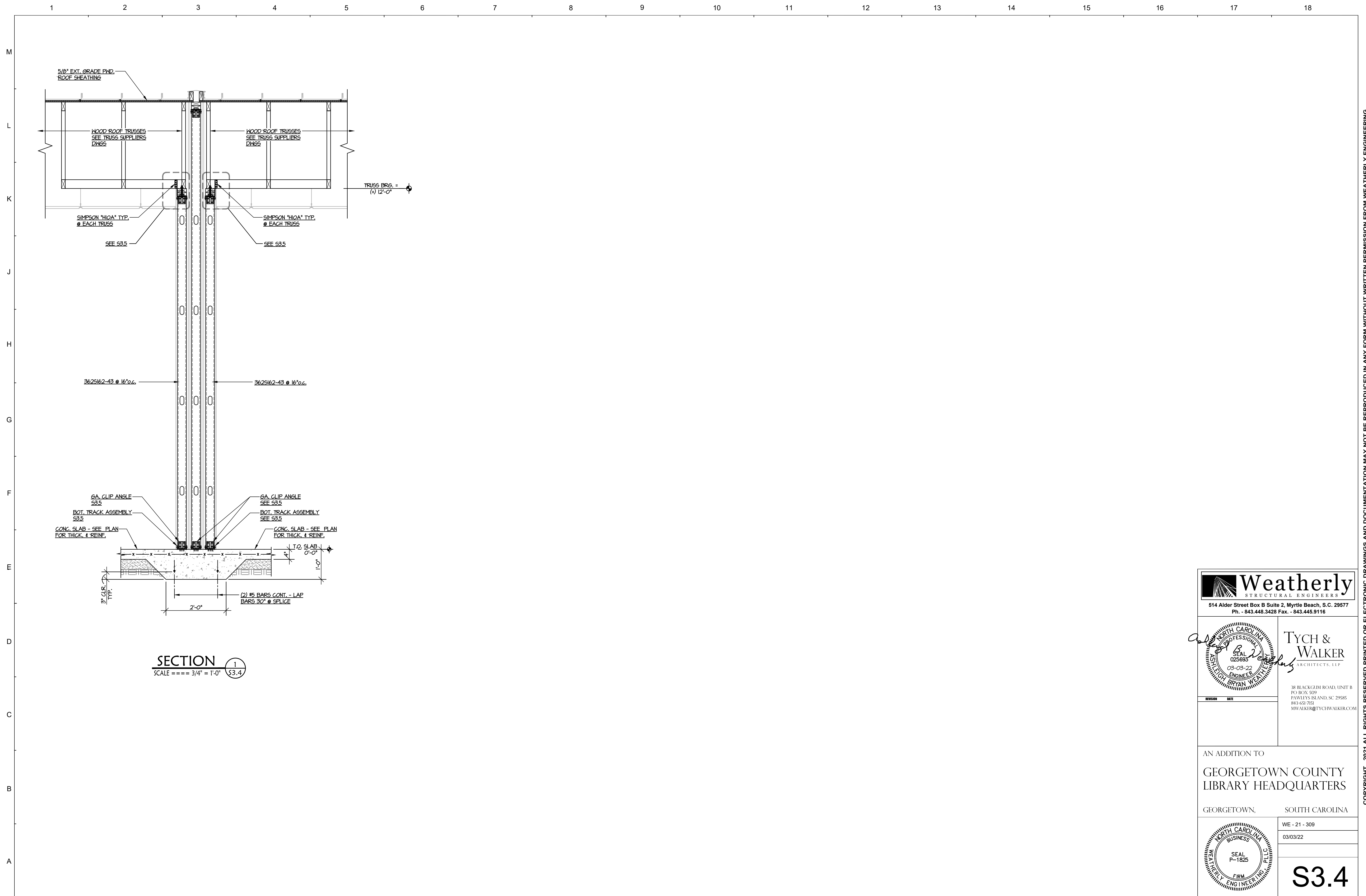
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SECTION 1
 SCALE === 3/4" = 1'-0" S3.4

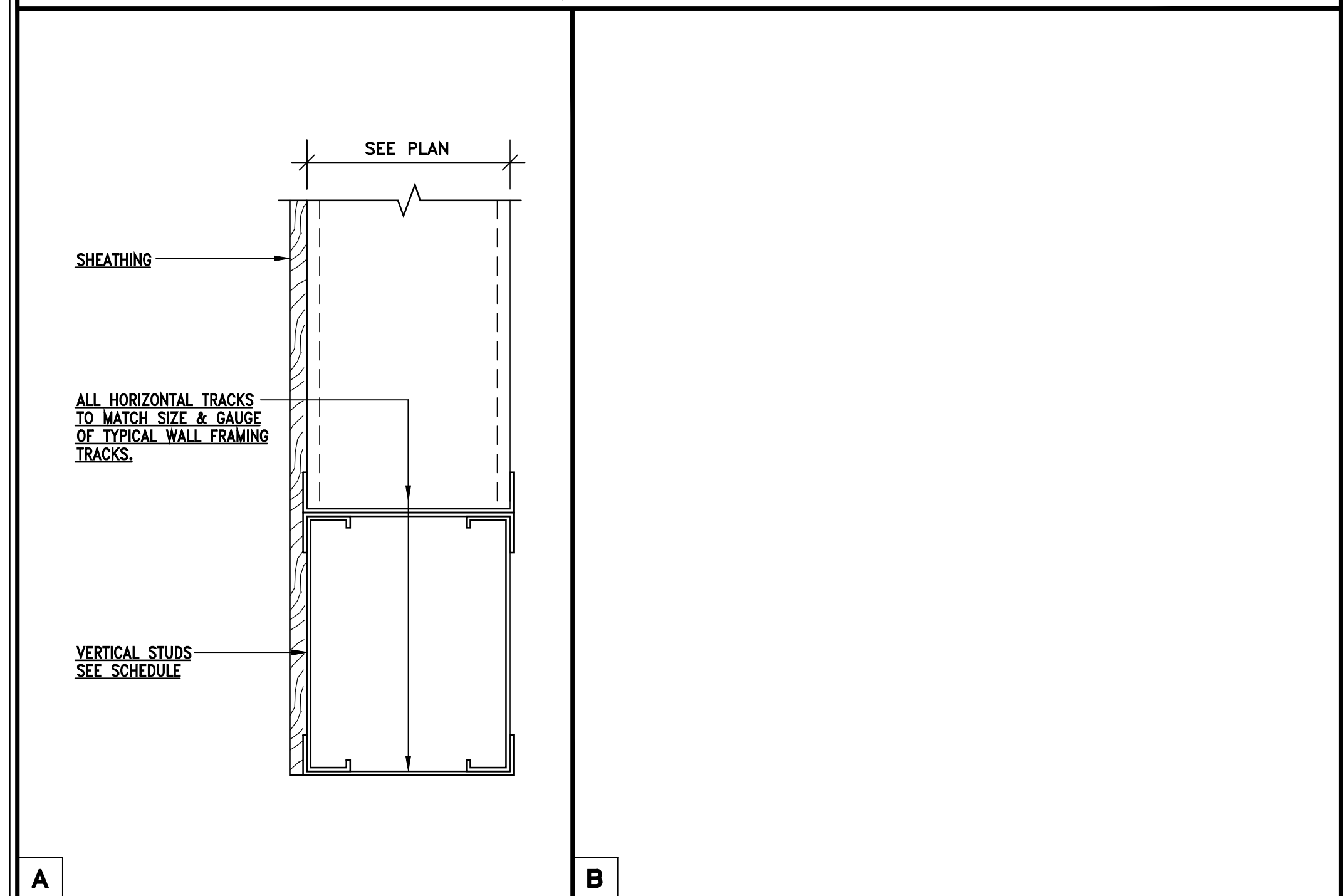
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|--|---|
| <p>Weatherly STRUCTURAL ENGINEERS</p> <p>514 Alder Street Box B Suite 2, Myrtle Beach, S.C. 29577 Ph. - 843.448.3428 Fax. - 843.445.9116</p> | |
| | <p>TYCH & WALKER ARCHITECTS, LLP</p> <p>38 BLACKGUM ROAD, UNIT B PO BOX 509 FAWCETS ISLAND, SC 29585 843.666.7014 MWALKER@TYCHWALKER.COM</p> |
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| | <p>WE - 21 - 309 03/03/22</p> <p>S3.4</p> |

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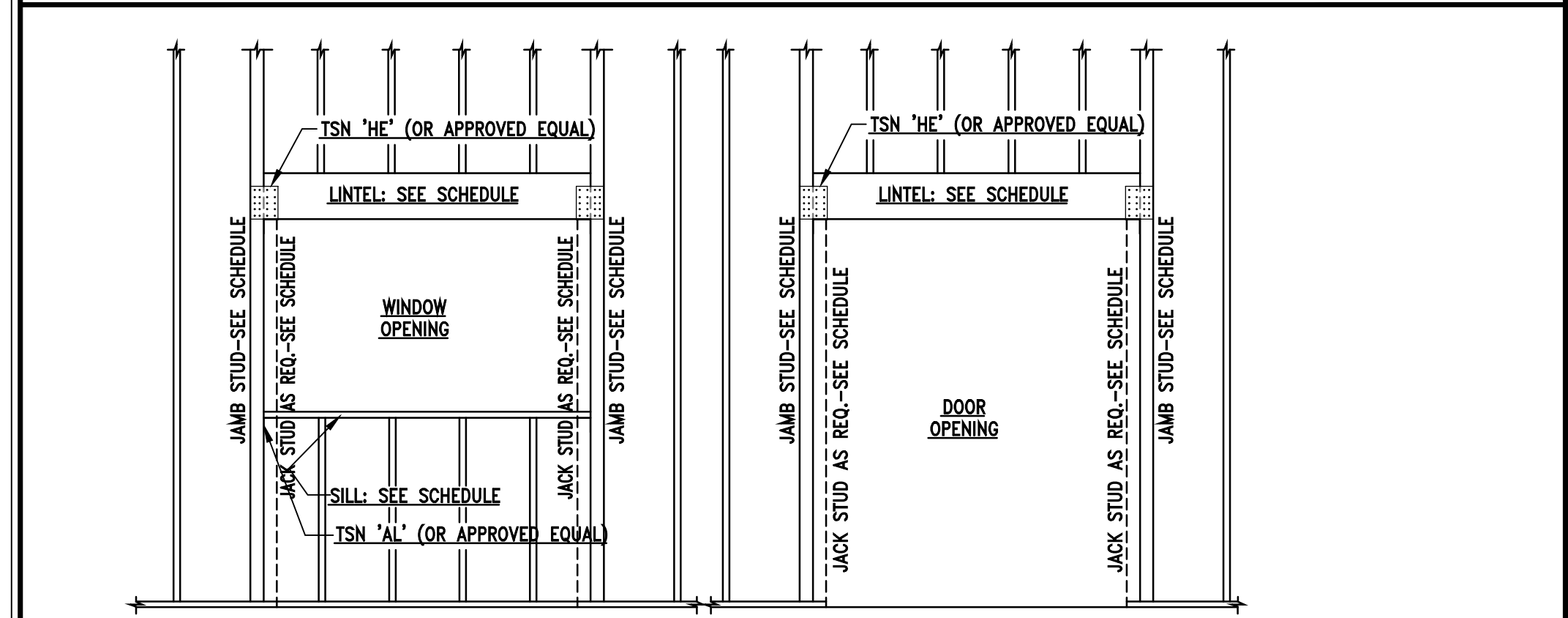
LOAD BEARING METAL STUD LINTEL SCHEDULE

| | |
|--------------------------------|--|
| INTERIOR 6" METAL STUDS | |
| 6L1 (4'-0" OPENING MAX.) | |
| JAMB STUDS: 600S250-43 | |
| LINTEL: (2) 600S162-54 | |
| SEAL (AS REQUIRED): 600S162-43 | |

DIAGRAMS



LINTEL BEARING DETAILS



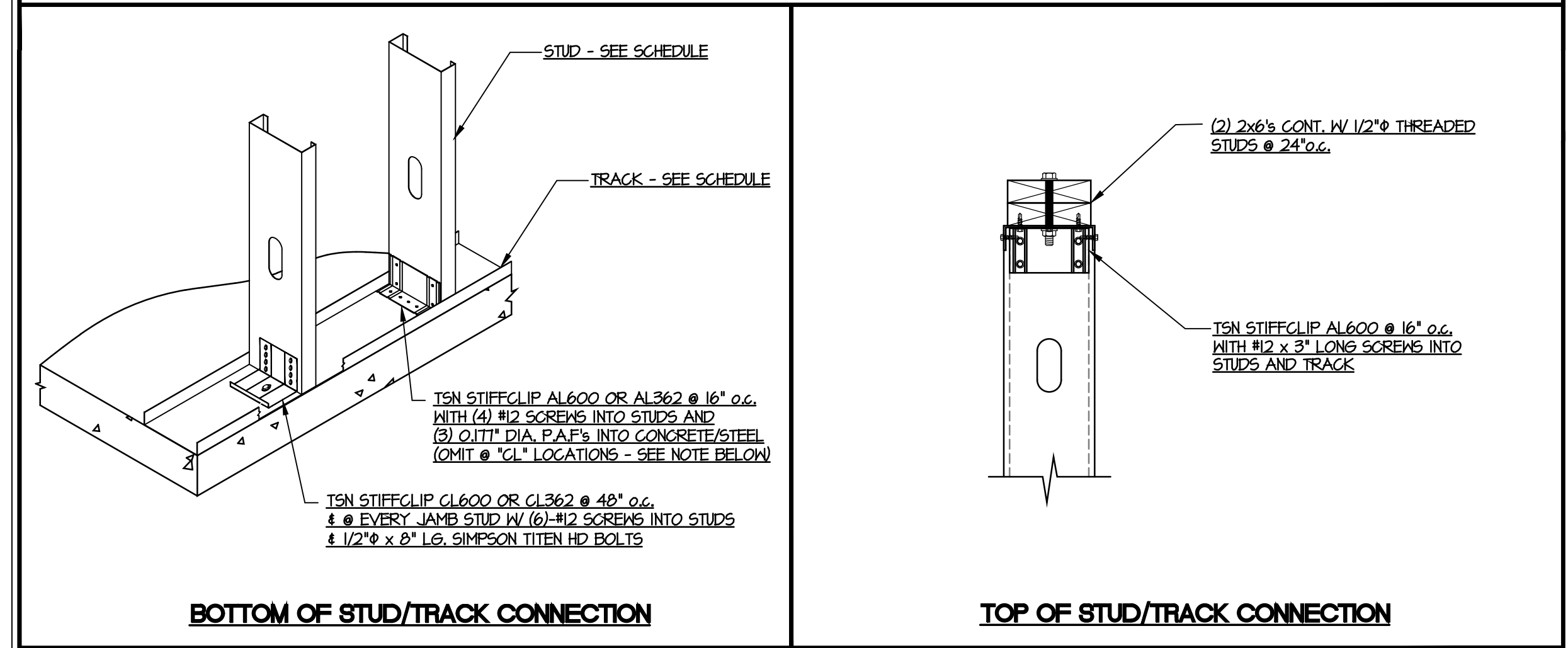
TYPICAL METAL STUD LINTEL BEARING DETAIL
NO SCALE

- CONTRACTOR'S NOTES:**
- SOME LINTELS IN THIS SCHEDULE MAY NOT BE USED. CONTRACTOR MAY SELECT APPROPRIATE LINTEL ACCORDING TO OPENING SIZE AND WALL CONSTRUCTION, UNLESS NOTED OTHERWISE.
 - SEE ARCHITECTURAL DRAWINGS FOR LOCATION REQUIRING BRICK VENEER SUPPORT ANGLES.
 - BRICK VENEER SUPPORT ANGLE TO BEAR 8" MIN. ON EACH SIDE.

LOAD BEARING METAL STUD SCHEDULE

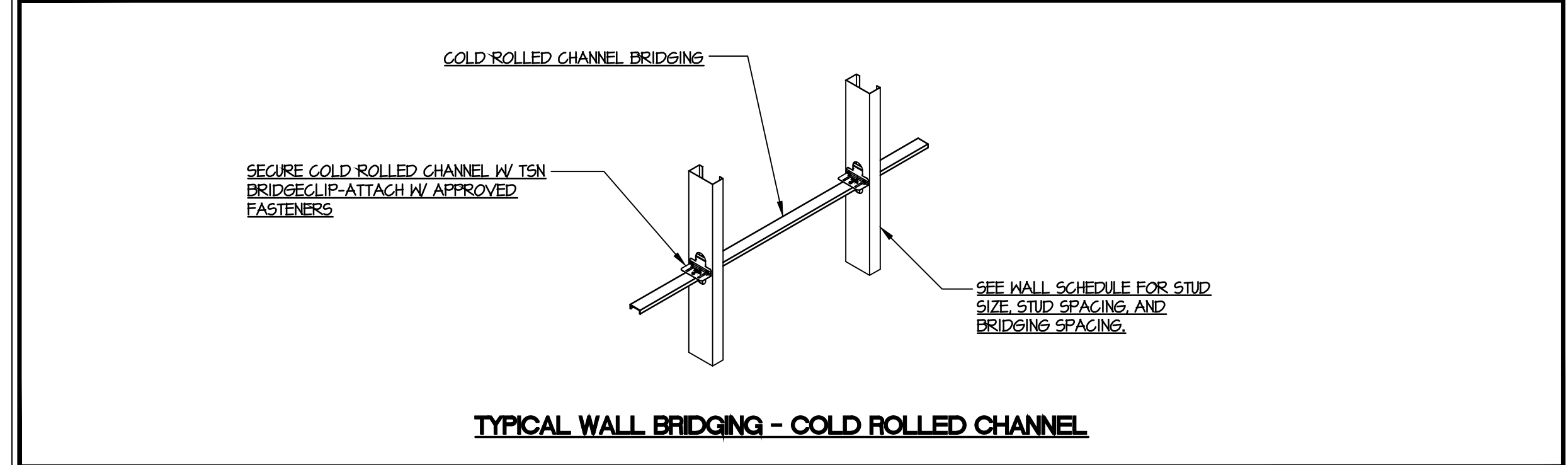
| | | |
|--|--|-----------------------------|
| | 6" EXTERIOR WALL | 3 5/8" INTERIOR WALL |
| STUD SIZE & SPACING: 600S162-43 @ 16" o.c. | STUD SIZE & SPACING: 362S162-43 @ 16" o.c. | |
| BOTTOM TRACK: 600T150-43 CONT. | BOTTOM TRACK: 362T150-43 CONT. | |
| TOP TRACK: 600T150-43 CONT. | TOP TRACK: 362T150-43 CONT. | |
| BRIDGING ROWS: 5'-0" VERTICAL | BRIDGING ROWS: 5'-0" VERTICAL | |

TYPICAL LOAD BEARING STUD CONNECTION DETAILS



BOTTOM OF STUD/TRACK CONNECTION

TOP OF STUD/TRACK CONNECTION



TYPICAL WALL BRIDGING - COLD ROLLED CHANNEL

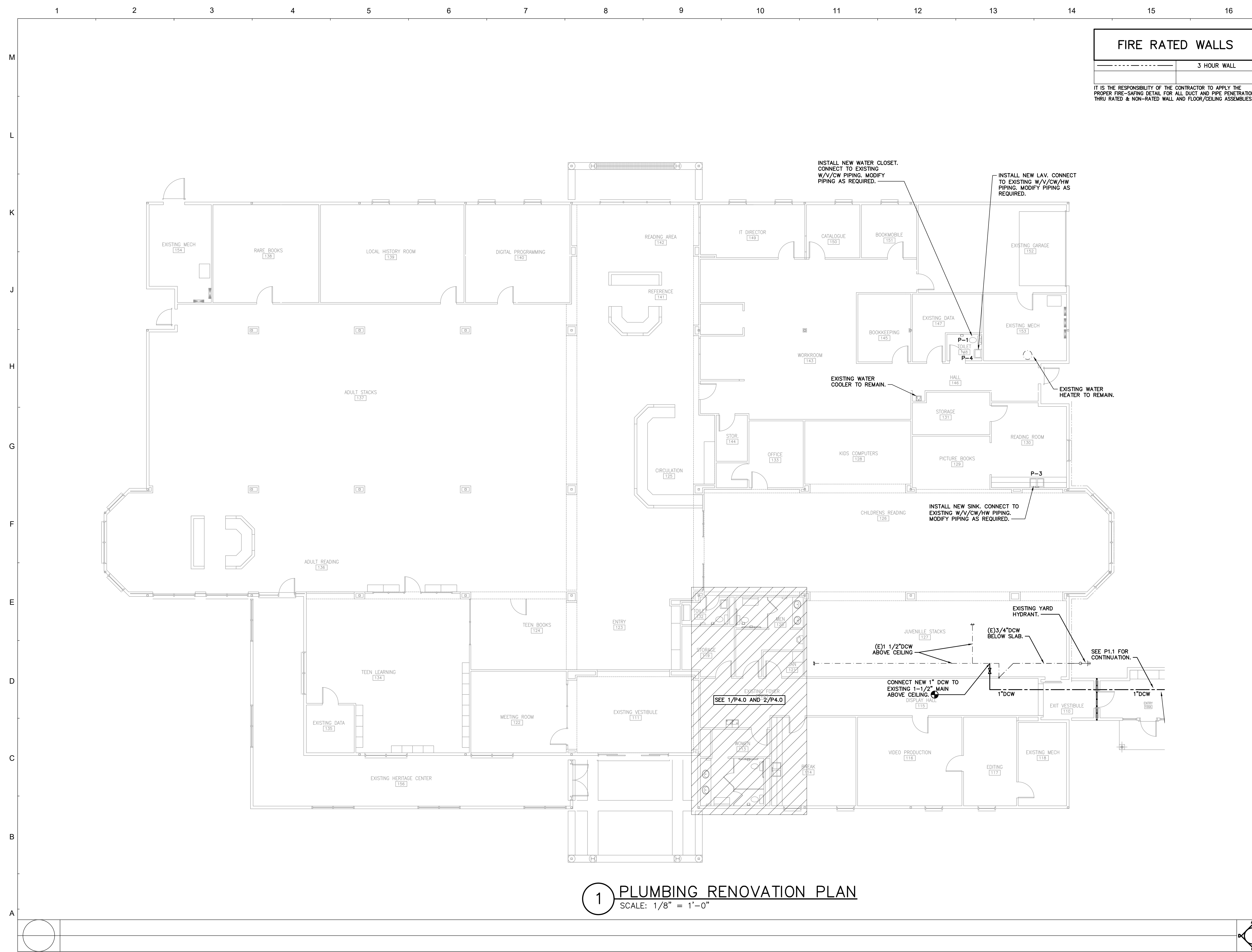
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BRYAN WEATHERLY

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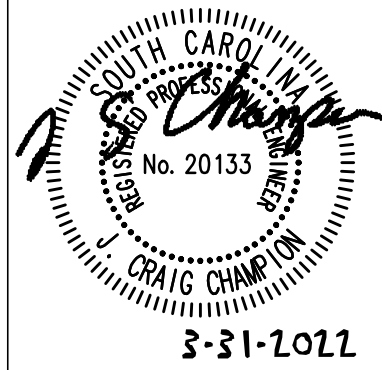


| FIRE RATED WALLS | |
|------------------|-------------|
| --- | 3 HOUR WALL |

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES.

- GENERAL NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
 2. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE.
 3. NO EXTRA COMPENSATION WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

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4223 South Boulevard
Charlotte, NC 28209
704/527-2112 MSWF# 20-056



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mwalker@tychwalker.com

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GEORGETOWN, SOUTH CAROLINA

| | |
|-------------|-------------------------|
| | 2018-04 |
| | 03/31/2022 |
| | FLOOR PLAN - RENOVATION |
| P1.0 | |

1 PLUMBING RENOVATION PLAN
SCALE: 1/8" = 1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

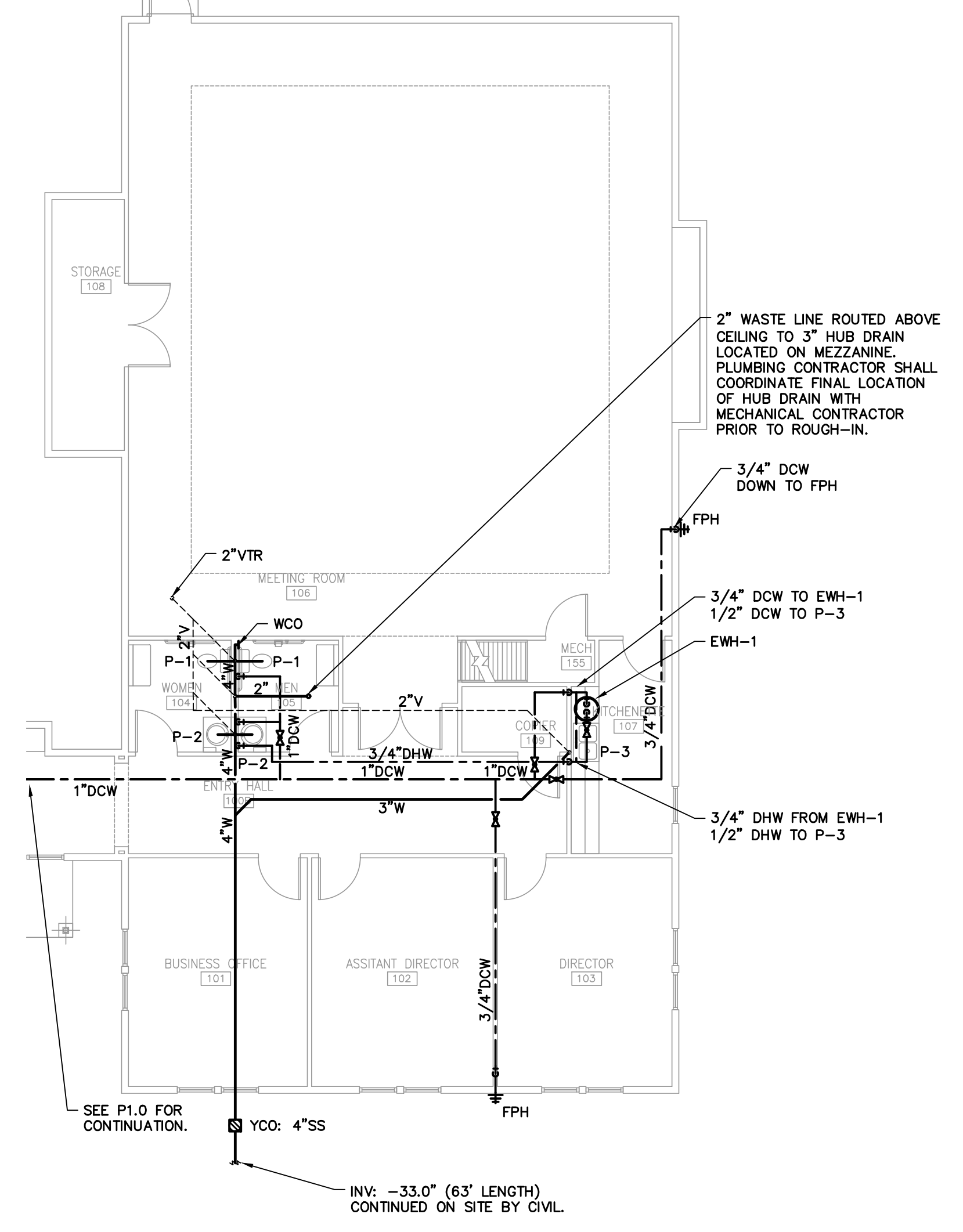
M
L
K
J
H
G
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E
D
C
B
A

| FIRE RATED WALLS | |
|------------------|-------------|
| --- | 3 HOUR WALL |
| | |

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 3. NO EXTRA COMPENSATION WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

NOTES:
 VERIFY APPROVAL OF PLUMBING FIXTURES BY OWNER PRIOR TO PURCHASING.
 SEE SCHEDULE FOR PIPE SIZES FROM FIXTURES TO MAIN BRANCHES.



1 PLUMBING ADDITION PLAN
 SCALE: 1/8" = 1'-0"

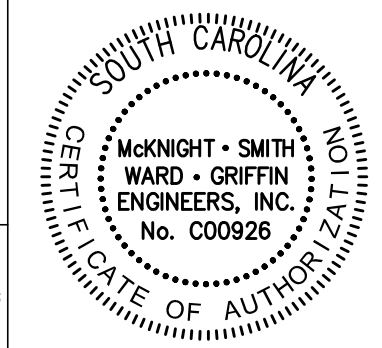
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| |
|-----------------------|
| 2018-04 |
| 03/31/2022 |
| FLOOR PLAN - ADDITION |
| P1.1 |



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GENERAL NOTES

| PLUMBING FIXTURE SCHEDULE | | | | | | | |
|---|-------------------------|------|------|----|----|---|---------------|
| NOTE: ALL FIXTURES SHALL BE APPROVED BY OWNER/ARCHITECT PRIOR TO ORDERING | | | | | | | |
| SYM | DESCRIPTION | CW | HW | W | V | MODEL NUMBER | REMARKS |
| P-1 | WATER CLOSET | 1/2" | - | 3" | 2" | KOHLER "WELLCOMME" K-96053-0; BENEKE 527SS SEAT; K-7637 ANGLE SUPPLY | 1,4,5 |
| P-1H | WATER CLOSET (HDCP.) | 1/2" | - | 3" | 2" | KOHLER "HIGHLINE" K-3979; BENEKE 527SS SEAT; K-7637 ANGLE SUPPLY | 1,4,5,7 |
| P-2 | LAVATORY (COUNTER GRID) | 1/2" | 1/2" | 2" | 2" | KOHLER "FARMINGTON" K-2905-1; DELTA 590LF-LHGMHDF BATTERY OPERATED SENSOR FAUCET; K-7607 SUPPLY; K-8998 TRAP, K-7129-A DRAIN. | 1,2,8,10,12 |
| P-3 | DOUBLE CMPT. SINK | 1/2" | 1/2" | 2" | 2" | ELKAY LRAD-291855 W/LK-335 STRAINER; DELTA 9159TV-DST TOUCHLESS W/ HANDLE BATTERY FAUCET; KOHLER K-7607 SUPPLY, K-9000 TRAP | 1,2,9,11 |
| P-4 | LAVATORY (WALL GRID) | 1/2" | 1/2" | 2" | 2" | KOHLER "HUDSON" K-2812; DELTA 590LF-LHGMHDF BATTERY OPERATED SENSOR FAUCET; K-7607 SUPPLY; K-8998 TRAP, K-7129-A DRAIN. | 1,2,3,8,10,12 |
| P-5 | URINAL | 3/4" | - | 2" | 2" | KOHLER "DEXTER" K-5016-ET W/SLOAN ROYAL 186-T FLUSH VALVE | 1,3,4,6 |

- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL FIXTURES.
- PROVIDE TRUEBRO MODEL 102 INSULATION KIT, PLUMBEREX MODEL PRO-2000 OR MCGUIRE PWV8902 PREWRAPPED CAST P-TRAP ASSEMBLY KIT ON ALL HANDICAP ACCESSIBLE LAVATORIES AND/OR SINKS.
- PROVIDE CARRIERS FOR ALL WALL MOUNTED FIXTURES. FOR LAVATORIES: SINGLE HANGER FOR BLOCK WALLS; FOR GYPBOARD WALL, PROVIDE FLOOR-MOUNT ARM CARRIERS (CONCEALED OR EXPOSED PER MFR'S REQUIREMENTS).
- EQUAL CHINA FIXTURE BY AMERICAN STANDARD, ZURN & SLOAN.
- EQUAL TOILET SEAT BY BEMIS, OLSONITE & BENEKE.
- EQUAL FLUSH VALVES BY ZURN & TOTO.
- FLUSH VALVE MECHANISM SHALL BE LOCATED OPPOSITE OF HAND RAIL AS PER ADA REQUIREMENT.
- EQUAL FAUCETS BY SYMMONS, CHICAGO FAUCETS, DELTA, MOEN & AMERICAN STANDARD.
- EQUAL STAINLESS STEEL SINK BY FRANKE & JUST.
- WHEN ASTERISK "*" PREFIX IS USED, PROVIDE TRAP PRIMER AND PIPE 1/2" LINE BELOW SLAB TO FLOOR DRAIN.
- EQUAL FAUCETS BY CHICAGO FAUCETS, T&S, ELKAY, ZURN & AMERICAN STANDARD. SINGLE SINK = RIGID SPOUT; DOUBLE SINK = RESTRICTED SPOUT.
- EQUAL CAST IRON LAVATORIES BY CECO & ZURN.

| PLUMBING SPECIALTIES SCHEDULE | | | |
|-------------------------------|----------------------|--|---------|
| SYM | DESCRIPTION | MODEL NUMBER | REMARKS |
| FD | FLOOR DRAIN | ZURN ZN-415-S | 1,7 |
| FCO | FLOOR CLEANOUT | ZURN ZN-1400-T WITH NIKALOY TOP. CARPET MARKERS AS REQUIRED. SEE ARCHITECTURAL FINISH SCHEDULE FOR CARPETED AREAS. | 1 |
| YCO | YARD CLEANOUT | ZURN Z-1406-HD WITH CAST IRON TOP ZURN Z-1474-HD WITH CAST IRON TOP (TRAFFIC AREAS) | 1 |
| FPH | FROST-PROOF HYDRANT | WOODFORD #67 W/ DBL CHECK VALVE (ASSE 1052) | 2,3 |
| WCO | WALL CLEANOUT | ZURN Z-1446 W/STAINLESS STEEL COVER | 1, 8 |
| ○ | SHOCK ABSORBER | SIoux CHIEF, A=652-A, B=653-B, C=654-C, D=655-D | 6 |
| TP | TRAP PRIMER | PRECISION PRODUCTS MODEL PR-500 W/SS-X & DU-X. | 1,7 |
| TP | TRAP PRIMER | ZURN Z-1022 @ TRAP TO Z-1023 @ FLOOR DRAIN. | 1,7 |
| AAV | AIR ADMITTANCE VALVE | STUDOR VENT (SIZED PER MFG. RECOMMENDATION) | 4 |

- EQUALS BY JOSAM, JAY R. SMITH, ZURN, MIFAB, WATTS.
- EQUALS BY JOSAM, JAY R. SMITH.
- PROVIDE INTEGRAL CHECK STOPS AT ALL WALL FAUCETS.
- EQUALS BY OATEY, SIOUX CHIEF.
- PROVIDE WITH NB FRAMING GRATE.
- EQUALS BY JOSAM, JAY R. SMITH, WATTS - ASSE 1010 APPROVED. PROVIDE AT QUICK CLOSING FIXTURES PER IPC 604.9.
- AT EACH FLOOR DRAIN & FLOOR SINK, PROVIDE WITH TRAP PRIMER CONNECTION (SUFFIX -P) AND INCLUDE PRIMER OPTION "TP" NOTED ABOVE.
- PROVIDE WCO AT BASE OF EACH WASTE STACK PER IPC 708.3.4.

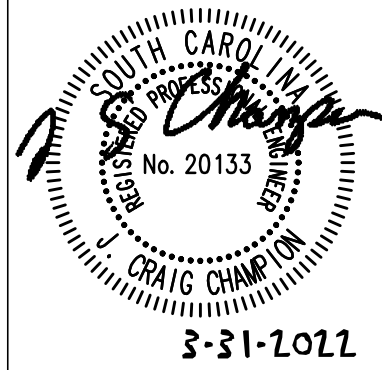
| PLUMBING LEGEND | | |
|-----------------|--------------|--------------------------------|
| SYMBOL | ABBREVIATION | DESCRIPTION |
| --- | CW | COLD WATER |
| ---- | HW (110°F) | HOT WATER |
| ----- | HW (140°F) | HOT WATER |
| ----- | HWR (110°F) | HOT WATER RETURN |
| ----- | HWR (140°F) | HOT WATER RETURN |
| --- | W | WASTE |
| ----- | GW | GREASE LADEN WASTE LINE |
| ----- | V | VENT |
| ----- | RL | ROOF LEADER |
| --- | SD | STORM DRAIN |
| G | G | GAS |
| ⌋ | VTR | VENT THRU ROOF |
| ⌋ | | GLOBE VALVE |
| ⌋ | | BALL VALVE |
| ⌋ | | BACKFLOW PREVENTER (RPZ/DCVA) |
| ⌋ | | CHECK VALVE |
| ⌋ | | UNION |
| ⌋ | | PRESSURE REDUCING VALVE |
| # | FPH | FROST PROOF HYDRANT |
| # | HB | HOSE BIBB |
| ⌋ | | SHOCK ABSORBER |
| ⊙ | RD | ROOF DRAIN |
| ⊙ | FCO | FLOOR CLEANOUT |
| ⊙ | FCO/YCO | FLOOR OR YARD CLEANOUT |
| ⊙ | FS/FD | FLOOR SINK OR SQUARE FL. DRAIN |
| ⊙ | SFD | SHOWER FLOOR DRAIN |
| ⌋ | | VACUUM BREAKER |
| ⌋ | S.A.-(?) | SHOCK ABSORBER |
| ⌋ | | AQUASTAT |
| ⌋ | HD | HUB DRAIN |
| ⌋ | F | FIRE PROTECTION |
| ⊙ | | CONNECT TO EXISTING |

| ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | | |
|--------------------------------|------------|------------|----------------|-----------------------|----------------|-------------|----------------|-------------|-------------------|---------|
| Unit Tag | Capacity | | | | | Recirc Pump | Expansion Tank | Location | Model | Remarks |
| | Input (KW) | Volt/Phase | Recovery (GPH) | Tank Volume (Gallons) | Temp. Rise (F) | | | | | |
| EWH-1 | 4.5 | 208/1 | 23 | 10 | 80 | No | Yes | KITCHENETTE | A.O. Smith DEL-10 | 1,2,3,4 |

- EQUALS BY STATE, RHEEM.
- INSTALLED INSIDE BASE CABINET UNDER COUNTER, SIMILAR TO DETAIL 8/P3.0 WITHOUT CONCRETE PAD.
- EXPANSION TANK IS AMTROL ST-5 OR EQUALS BY STATE, TACO
- SINGLE ELEMENT

| BLDG. LOAD SUMMARY | |
|---------------------|----|
| WATER FIXTURE UNITS | 21 |
| WATER GPM | 35 |
| WASTE FIXTURE UNITS | 14 |
| HW GPH (110°F) | 20 |

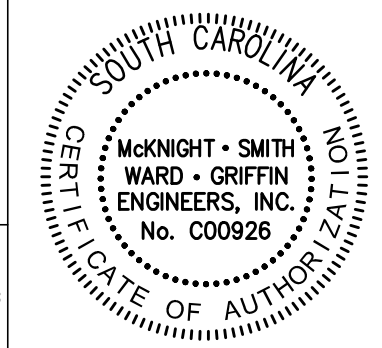
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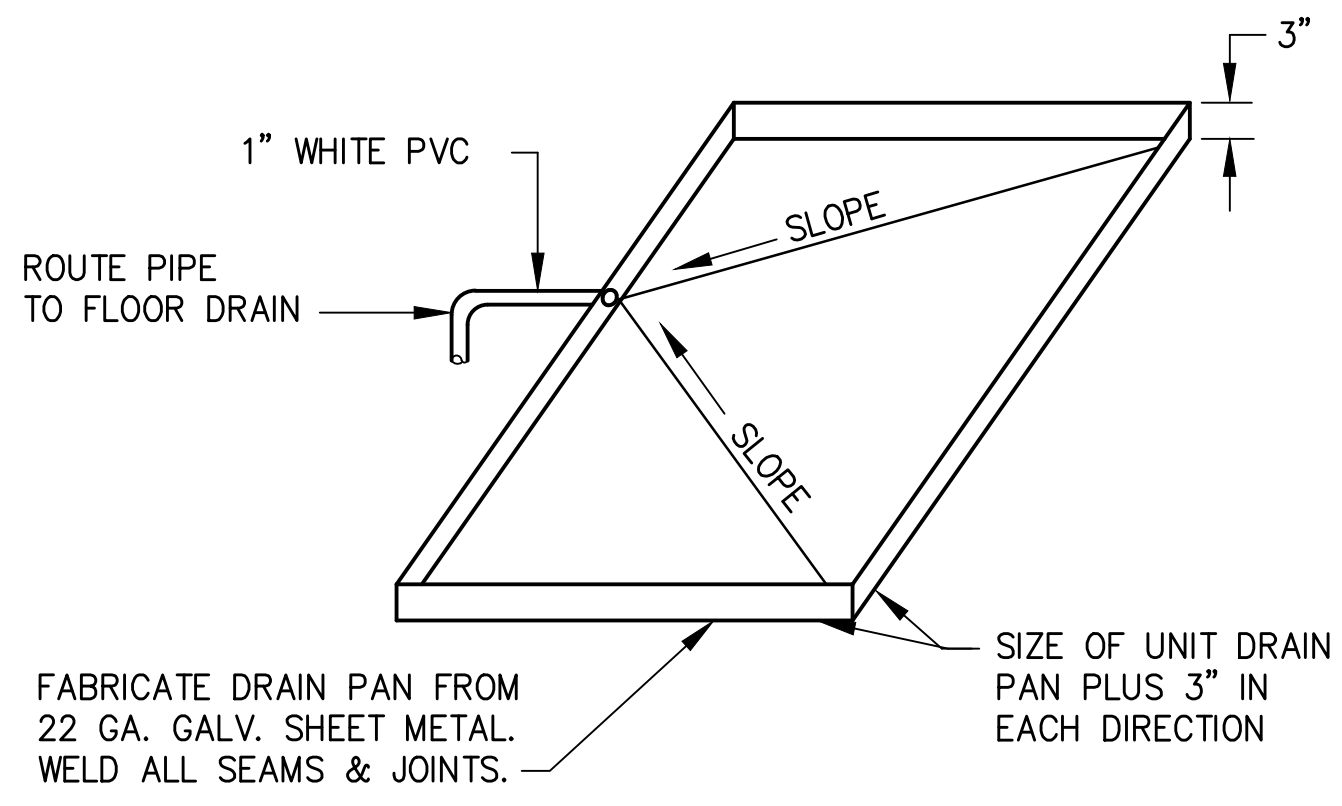
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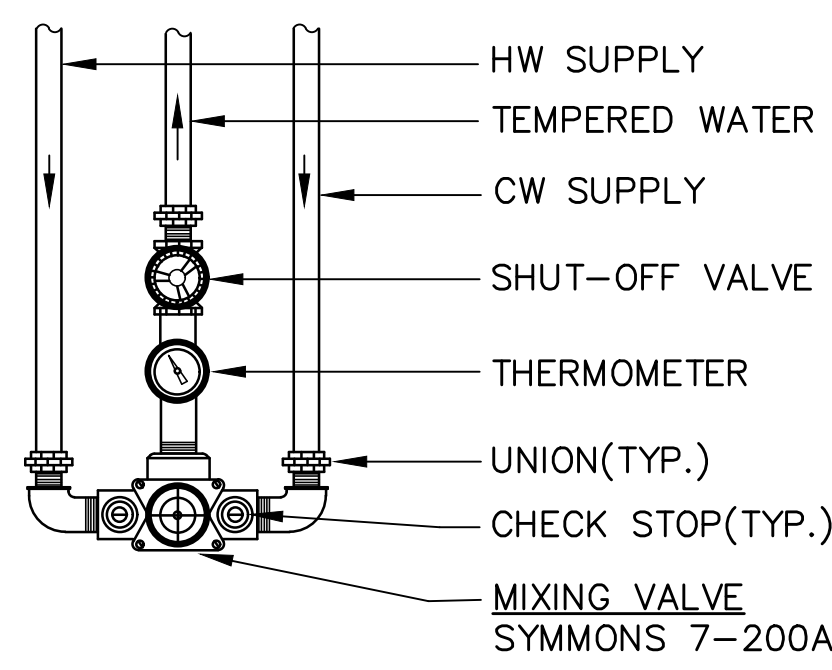
2018-04
03/31/2022
SCHEDULES

P2.0

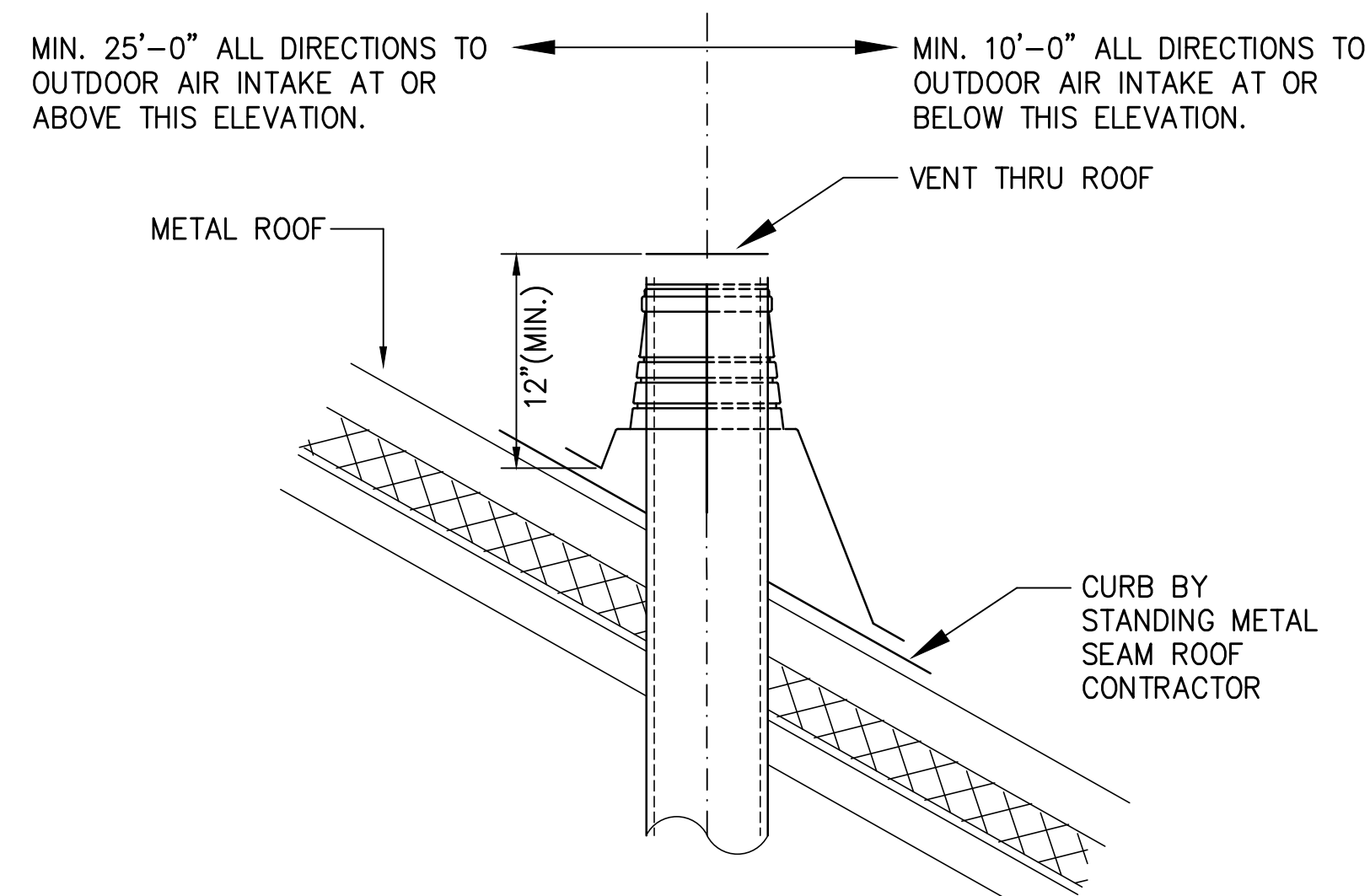
GENERAL NOTES



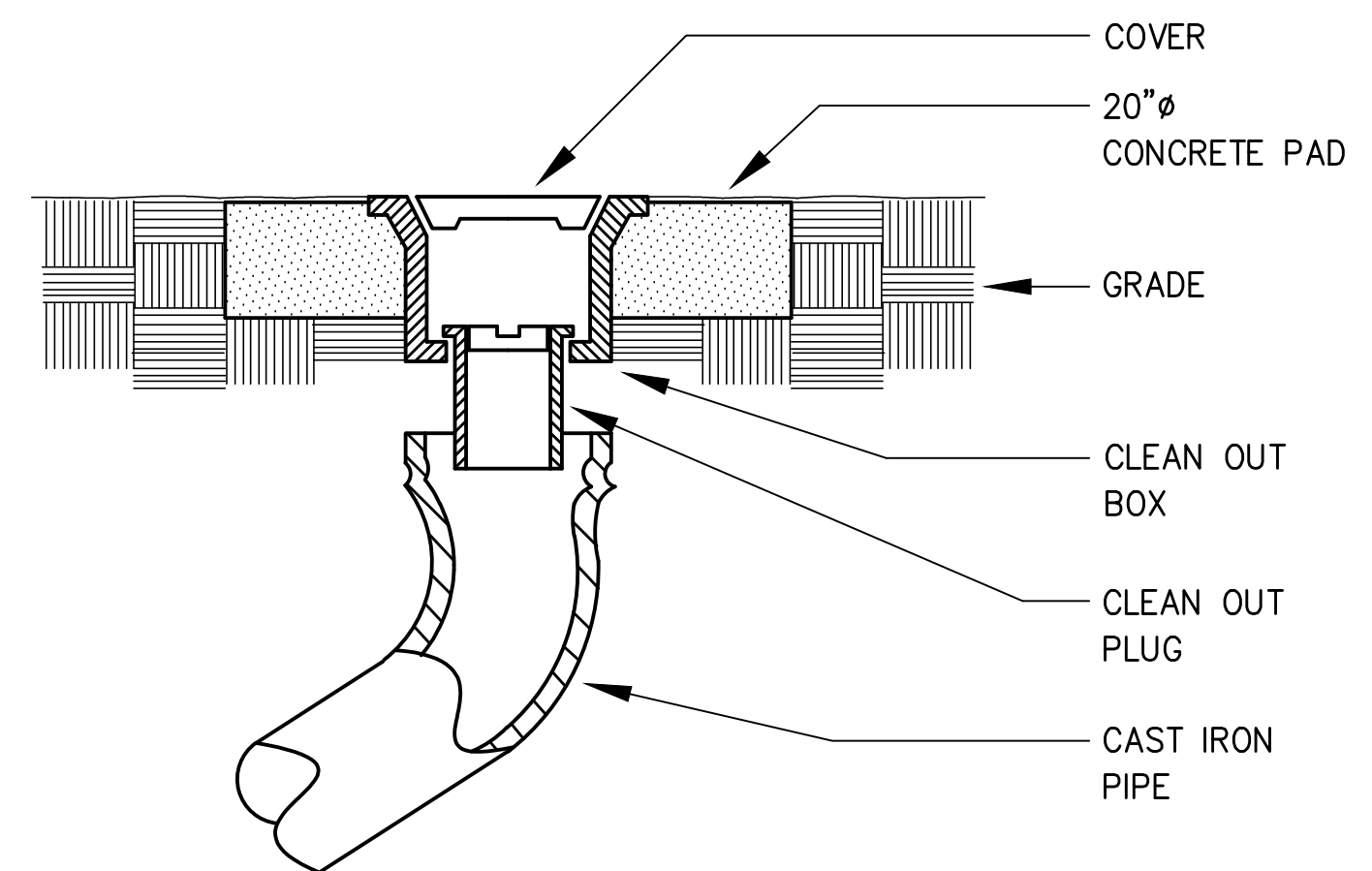
7 AUXILIARY DRAIN PAN DETAIL
NTS



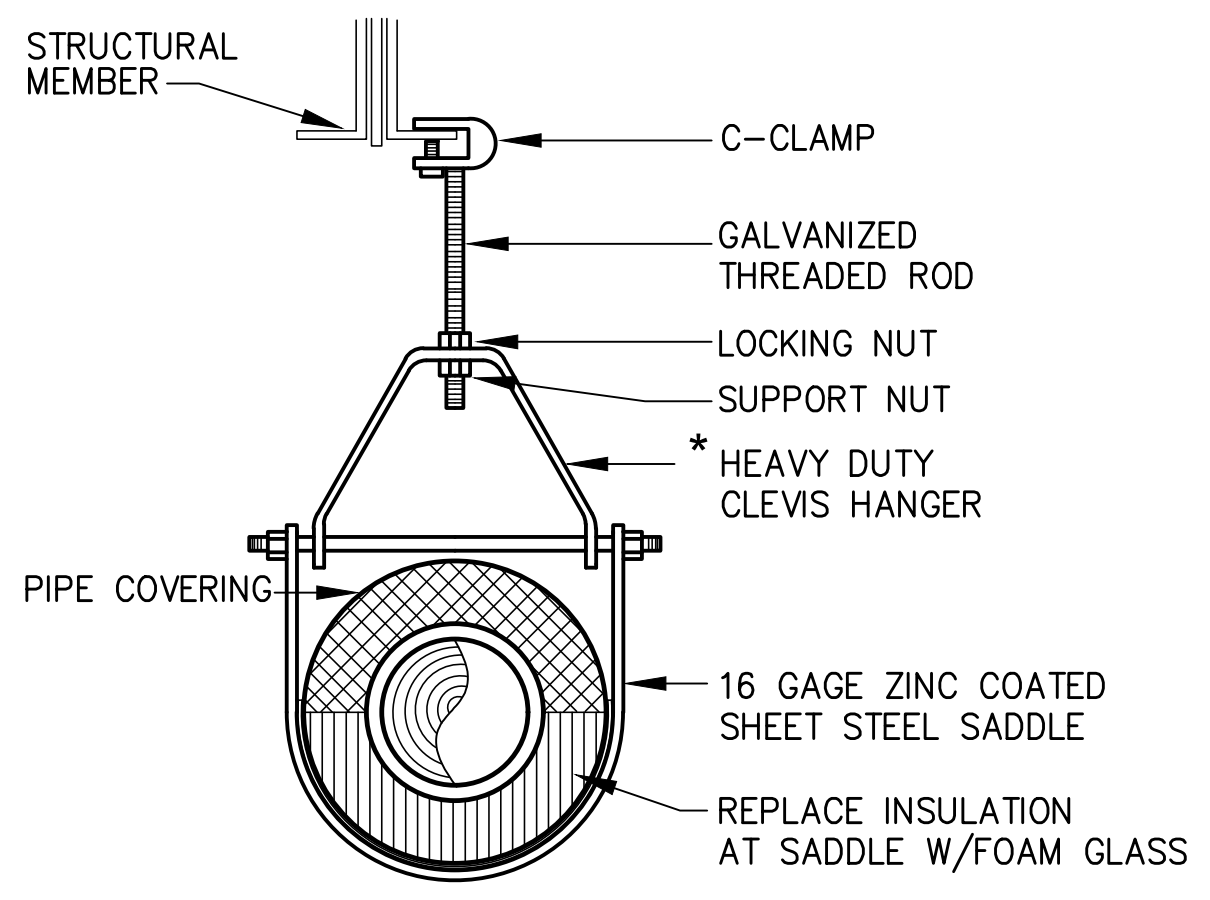
4 MIXING VALVE DETAIL
NTS



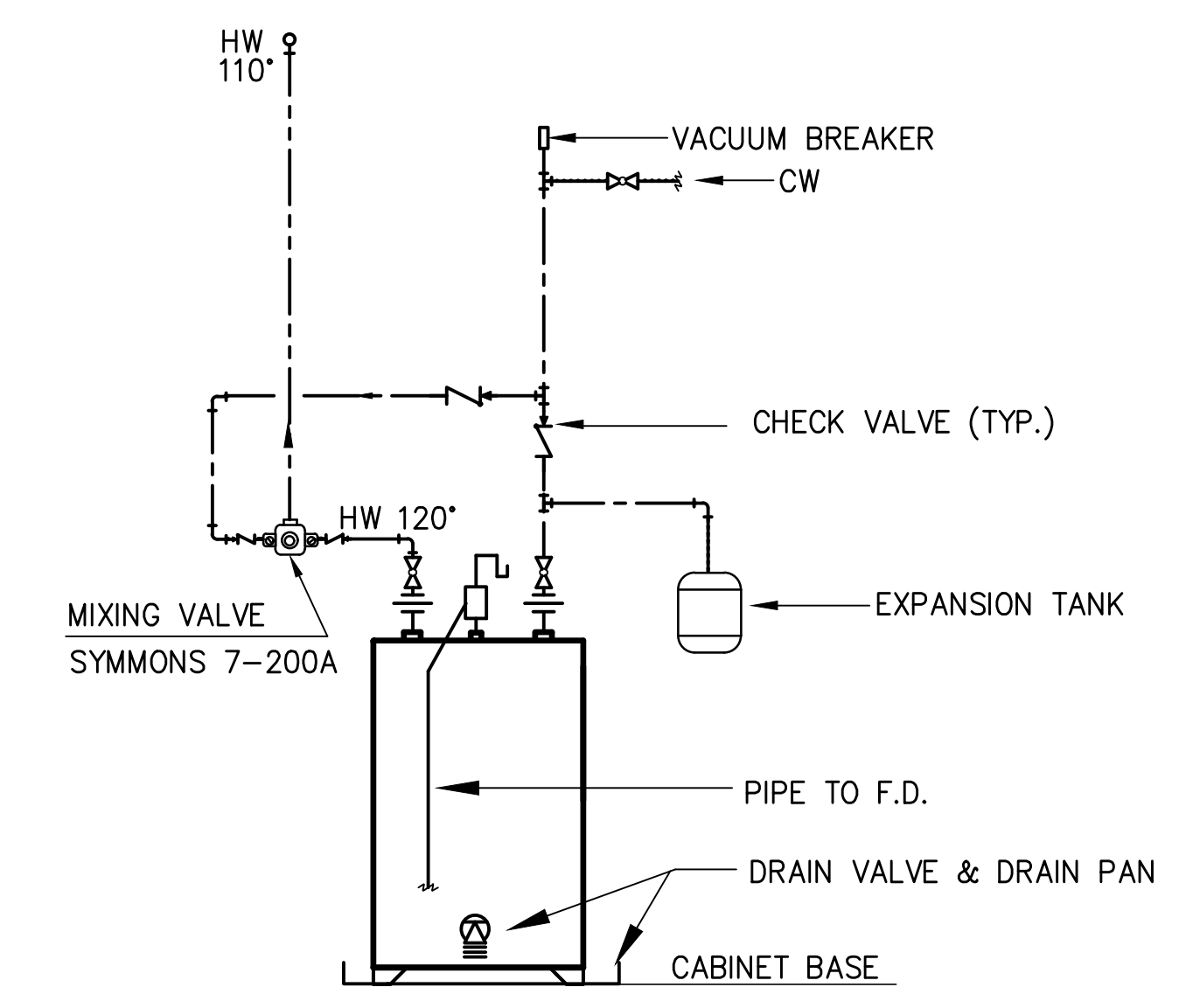
1 VENT THRU ROOF DETAIL
NTS (SEE ARCH. FOR INSTALLATION SPECIFICS)



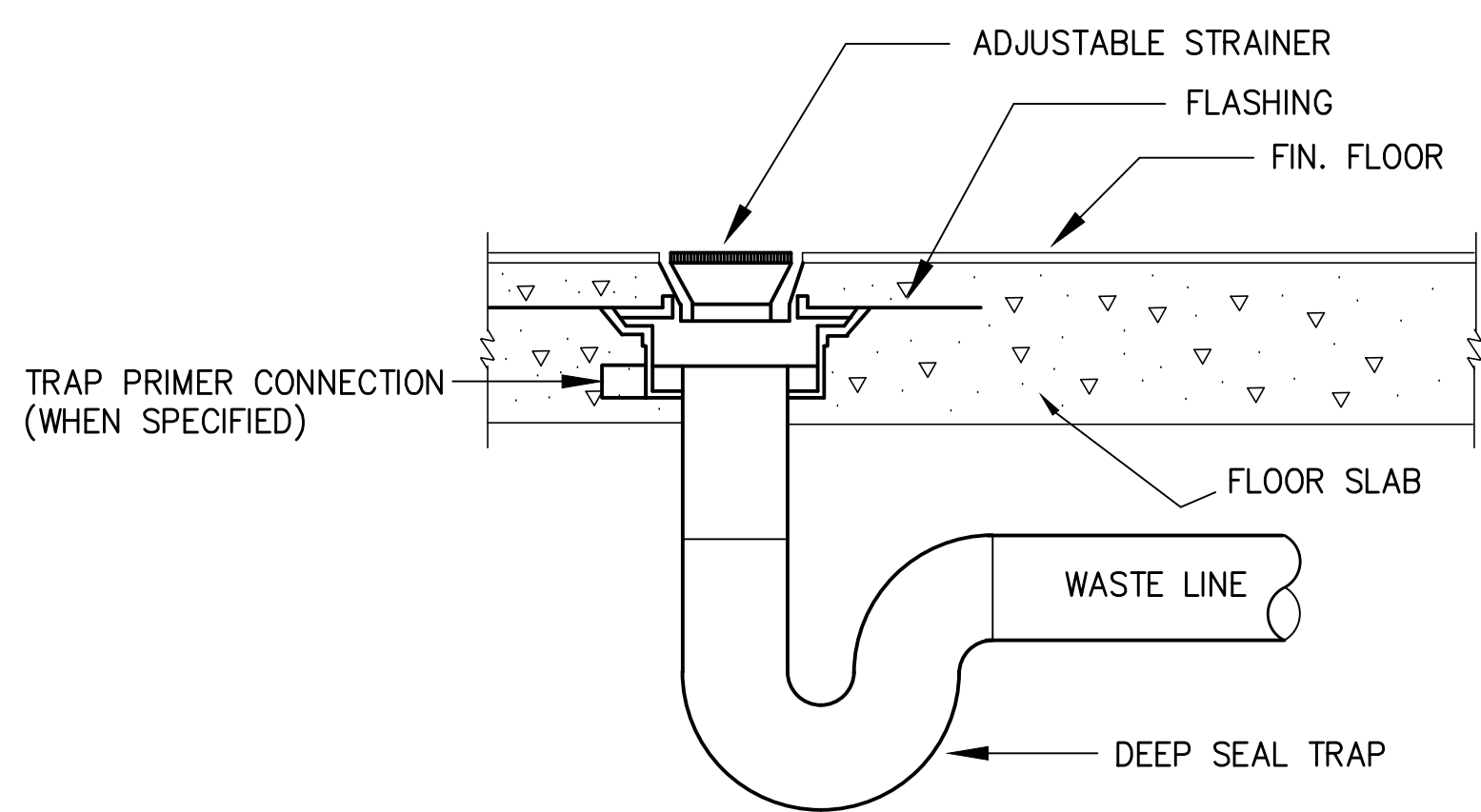
5 YARD CLEANOUT DETAILS
NTS



2 PIPE HANGER DETAIL
NTS * CONTRACTOR OPTION: MICHIGAN HANGER #403



6 WATER HEATER DETAIL
NTS NOTE: PIPING ARRANGEMENT SHALL BE PER MFR'S RECOMMENDATIONS



3 FLOOR DRAIN DETAIL
NTS

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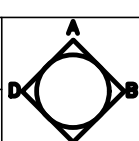
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mwalker@tychwalker.com

AN ADDITION TO
GEORGETOWN COUNTY
LIBRARY HEADQUARTERS
GEORGETOWN, SOUTH CAROLINA

2018-04
03/31/2022
DETAILS

P3.0



GENERAL NOTES

System No. C-AJ-5061

| | |
|-------------------------|---------------------|
| ANSI/UL1479 (ASTM E814) | CANULC S115 |
| F Rating — 3 Hr | F Rating — 3 Hr |
| T Rating — 1/2Hr | FT Rating — 1/2 Hr |
| | FH Rating — 3 Hr |
| | FTH Rating — 1/2 Hr |

SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 30 in. (762 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve — (Optional) — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe, conduit or EMT cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through Penetrants — One metallic pipe or tubing to be either concentrically or eccentrically within the firestop system. Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes and tubing may be used:
 - A. Steel Pipe — Nom 20 in. (508 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe — Nom 20 in. (508 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
4. Pipe Covering — Max 3 in. (76 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. Pipe covering to terminate 6 in. (152 mm) from each side of floor or wall assembly. See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

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Page: 1 of 2

System No. C-AJ-5061

5. Firestop System — The firestop system shall consist of the following:

- A. Pipe Covering Materials* — Nom 3 in. (76 mm) thick unfaced mineral fiber pipe insulation having a nom density of 5 pcf (80 kg/m³) (or heavier) sized to the outside diam of pipe or tube and extending min 6 in. (152 mm) beyond each surface of floor or wall. Pipe insulation secured with min 18 AWG steel wire 3 in. (76 mm) beyond each surface of floor or wall. The annular space shall be min 1/4 in. (6 mm) to max of 3 in. (76 mm), or when steel sleeve is used, min 1 in. (25 mm) to max 2-1/4 in. (57 mm). See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specification and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
- B. Sheathing Material* — All service jacket material shall be wrapped around the outer circumference of the pipe covering material (Item 5A) with kraft facing exposed. Longitudinal joints sealed with metal fasteners. See Sheathing Material (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
- C. Packing Material — Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
- D. Fill, Void or Cavity Material* — Sealant — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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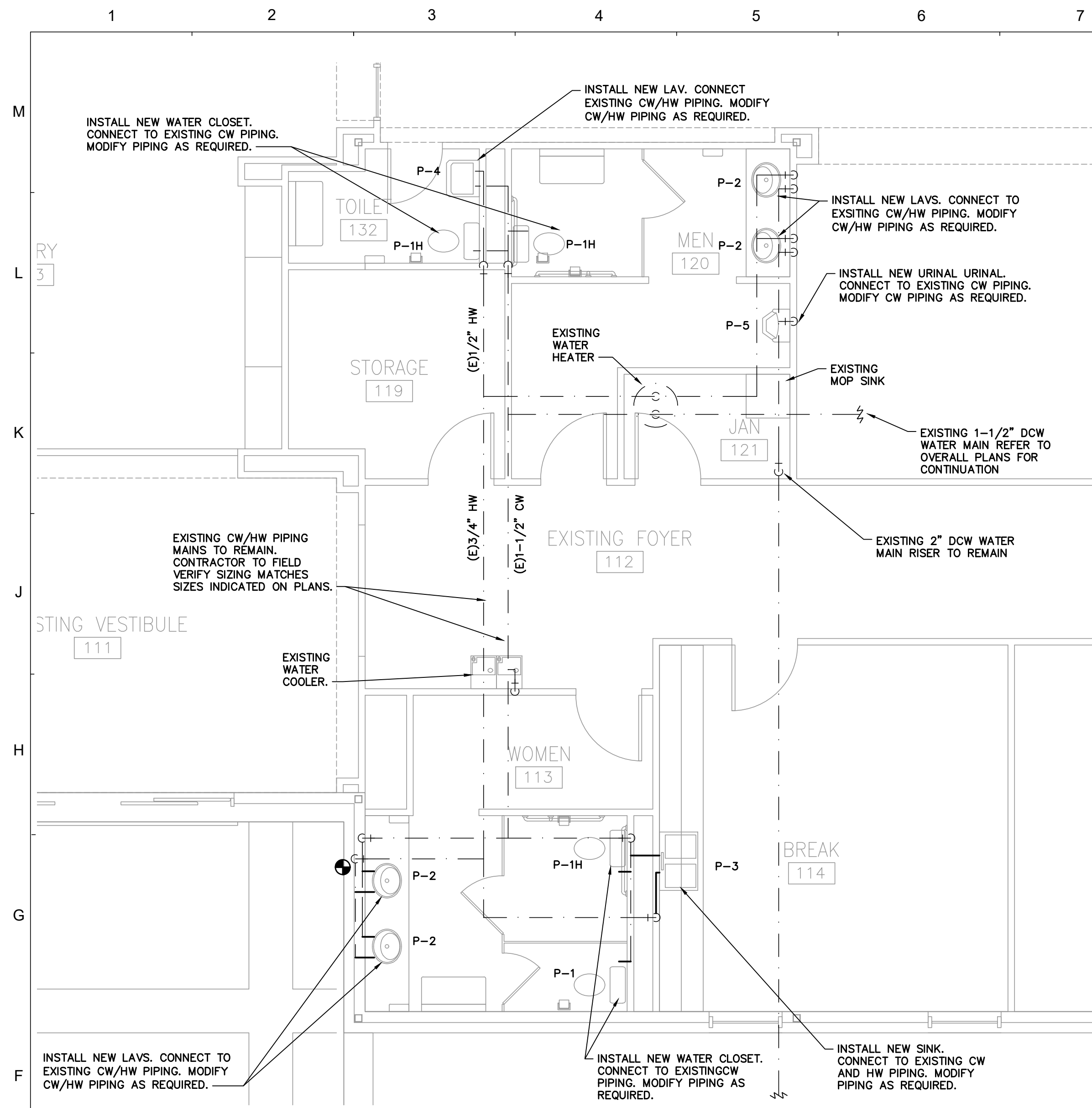
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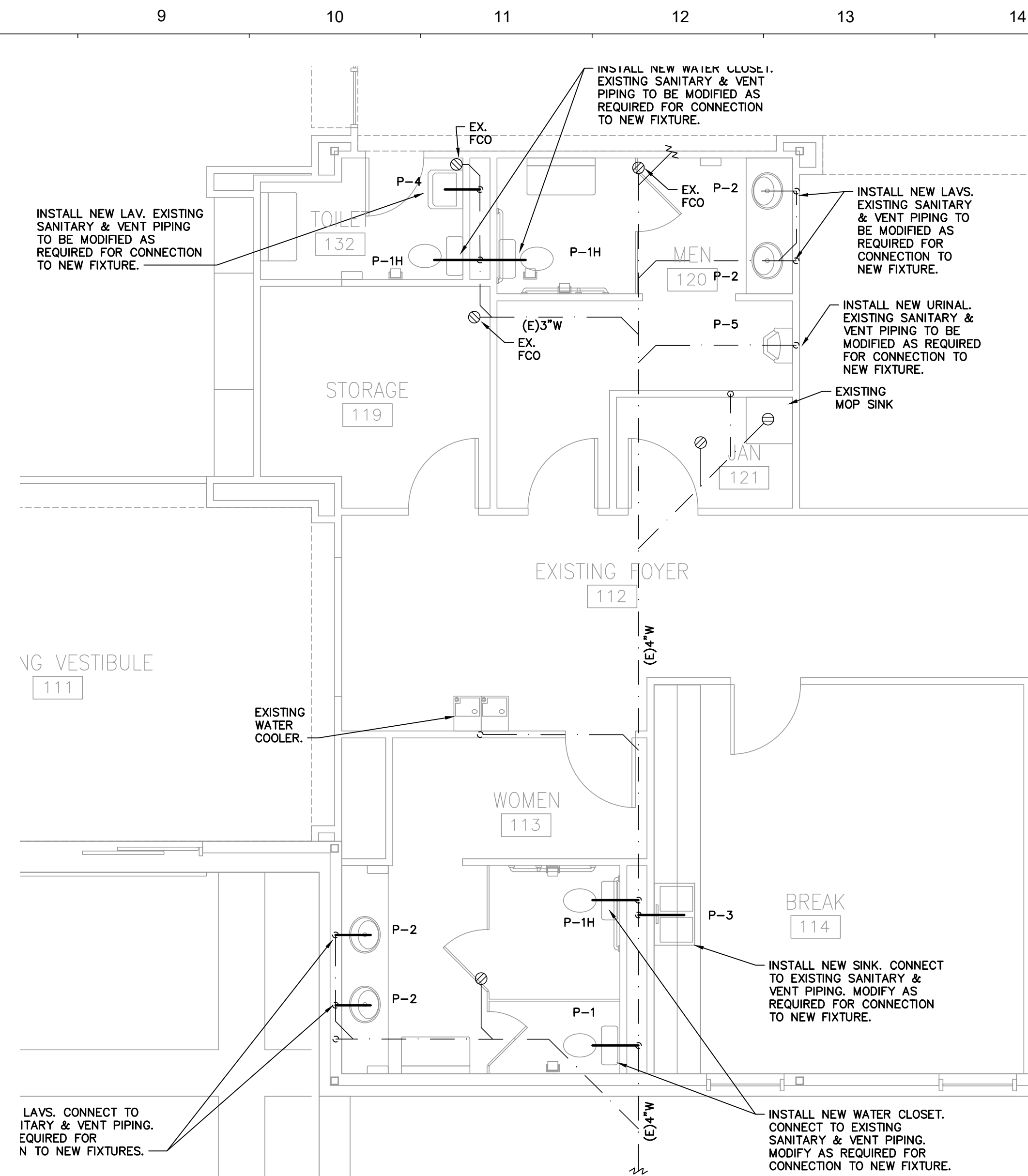
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|--------------------------|--|
| 2018-04 | |
| 03/31/2022 | |
| DETAILS & SPECIFICATIONS | |

P3.1



1 ENLARGED PLAN - WATER
SCALE: 1/4" = 1'-0"

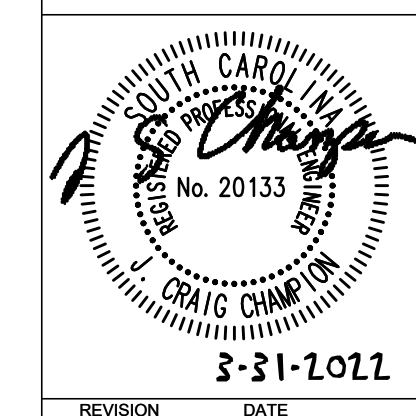


2 ENLARGED PLAN - DWV
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
2. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE.
3. NO EXTRA COMPENSATION WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

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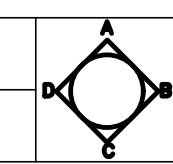
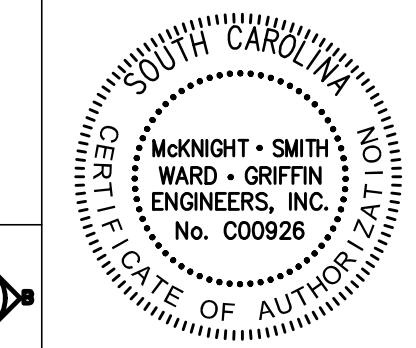


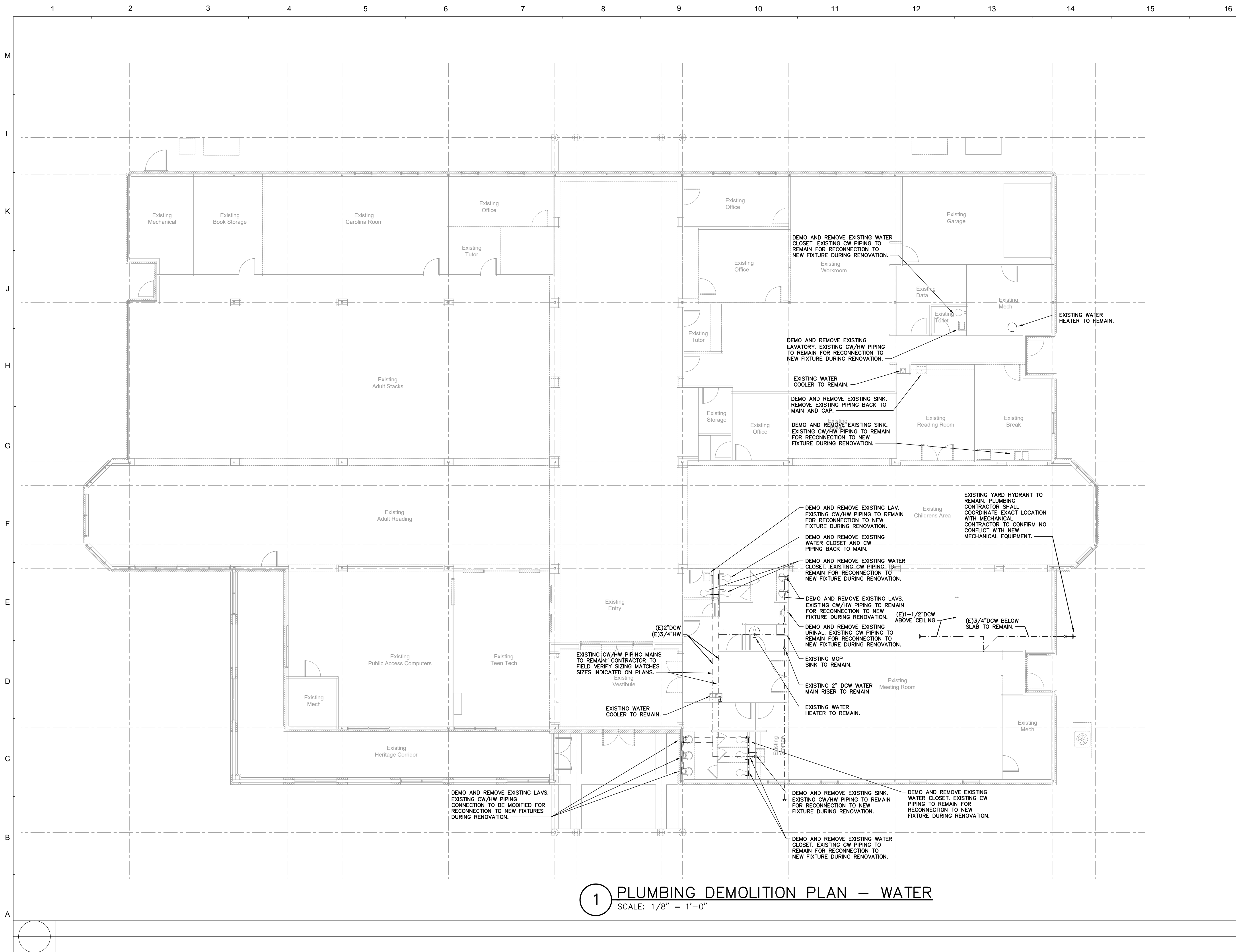
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| 03/31/2022 |
| FLOOR PLAN - AREA D |
| P4.0 |





- ### GENERAL NOTES
1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
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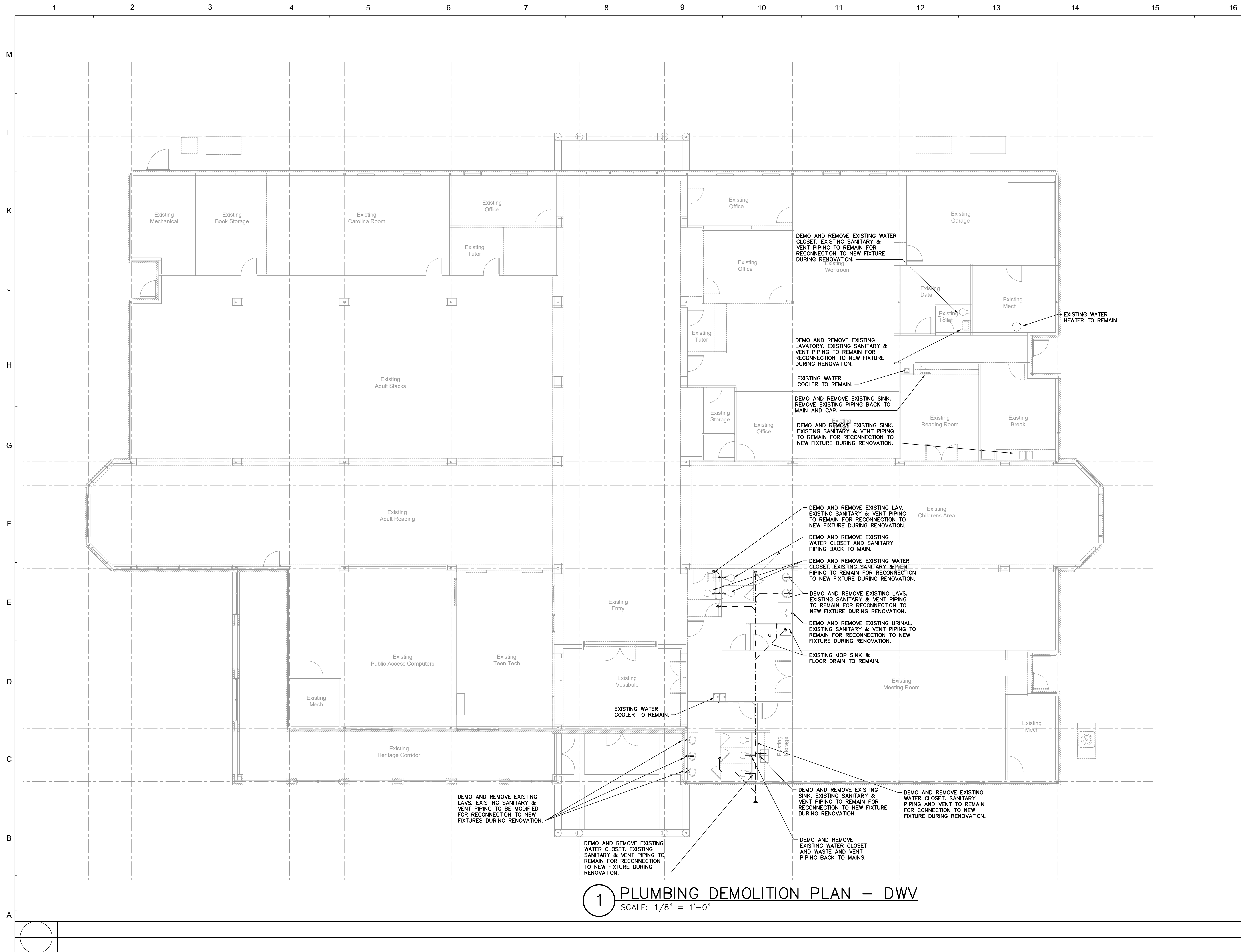
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| | 2018-04 |
| | 03/31/2022 |
| | PLUMBING DEMOLITION |

PD1.0

1 PLUMBING DEMOLITION PLAN – WATER

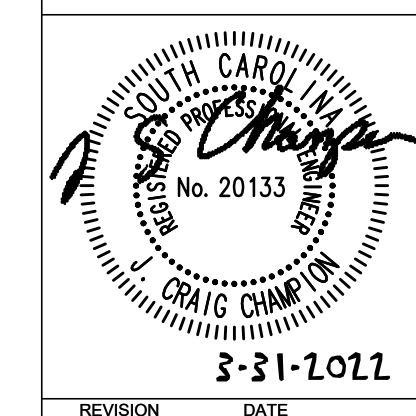
SCALE: 1/8" = 1'-0"



GENERAL NOTES

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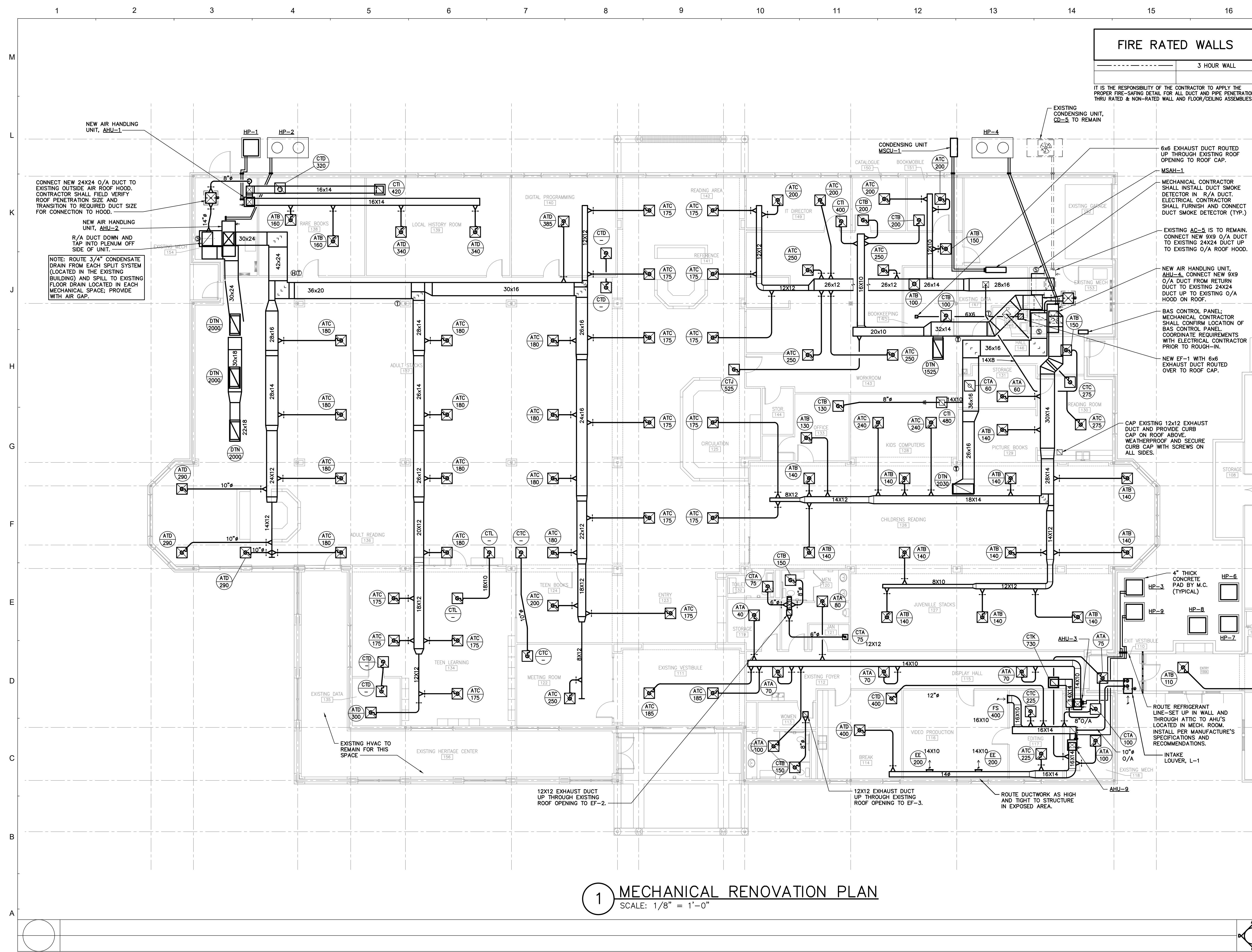
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| 03/31/2022 |
| PLUMBING DEMOLITION |
| PD1.1 |

1 PLUMBING DEMOLITION PLAN – DWV
SCALE: 1/8" = 1'-0"



| FIRE RATED WALLS | |
|------------------|-------------|
| | 3 HOUR WALL |

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES.

- GENERAL NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
 2. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE.
 3. NO EXTRA COMPENSATION WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

CONNECT NEW 24X24 O/A DUCT TO EXISTING OUTSIDE AIR ROOF HOOD. CONTRACTOR SHALL FIELD VERIFY ROOF PENETRATION SIZE AND TRANSITION TO REQUIRED DUCT SIZE FOR CONNECTION TO HOOD.

NEW AIR HANDLING UNIT, AHU-1

NEW AIR HANDLING UNIT, AHU-2

R/A DUCT DOWN AND TAP INTO PLENUM OFF SIDE OF UNIT.

NOTE: ROUTE 3/4" CONDENSATE DRAIN FROM EACH SPLIT SYSTEM (LOCATED IN THE EXISTING BUILDING) AND SPILL TO EXISTING FLOOR DRAIN LOCATED IN EACH MECHANICAL SPACE; PROVIDE WITH AIR GAP.

EXISTING CONDENSING UNIT, CD-5 TO REMAIN

6X6 EXHAUST DUCT ROUTED UP THROUGH EXISTING ROOF OPENING TO ROOF CAP.

MSAH-1

MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTOR IN R/A DUCT. ELECTRICAL CONTRACTOR SHALL FURNISH AND CONNECT DUCT SMOKE DETECTOR (TYP.)

EXISTING AC-5 IS TO REMAIN. CONNECT NEW 9X9 O/A DUCT TO EXISTING 24X24 DUCT UP TO EXISTING O/A ROOF HOOD.

NEW AIR HANDLING UNIT, AHU-4. CONNECT NEW 9X9 O/A DUCT FROM RETURN DUCT TO EXISTING 24X24 DUCT UP TO EXISTING O/A HOOD ON ROOF.

BAS CONTROL PANEL: MECHANICAL CONTRACTOR SHALL CONFIRM LOCATION OF BAS CONTROL PANEL. COORDINATE REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.

NEW EF-1 WITH 6X6 EXHAUST DUCT ROUTED OVER TO ROOF CAP.

CAP EXISTING 12X12 EXHAUST DUCT AND PROVIDE CURB CAP ON ROOF ABOVE WEATHERPROOF AND SECURE CURB CAP WITH SCREWS ON ALL SIDES.

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1 MECHANICAL RENOVATION PLAN
SCALE: 1/8" = 1'-0"

AN ADDITION TO
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LIBRARY HEADQUARTERS**
GEORGETOWN, SOUTH CAROLINA

2018-04
03/31/2022
MECHANICAL RENOVATION

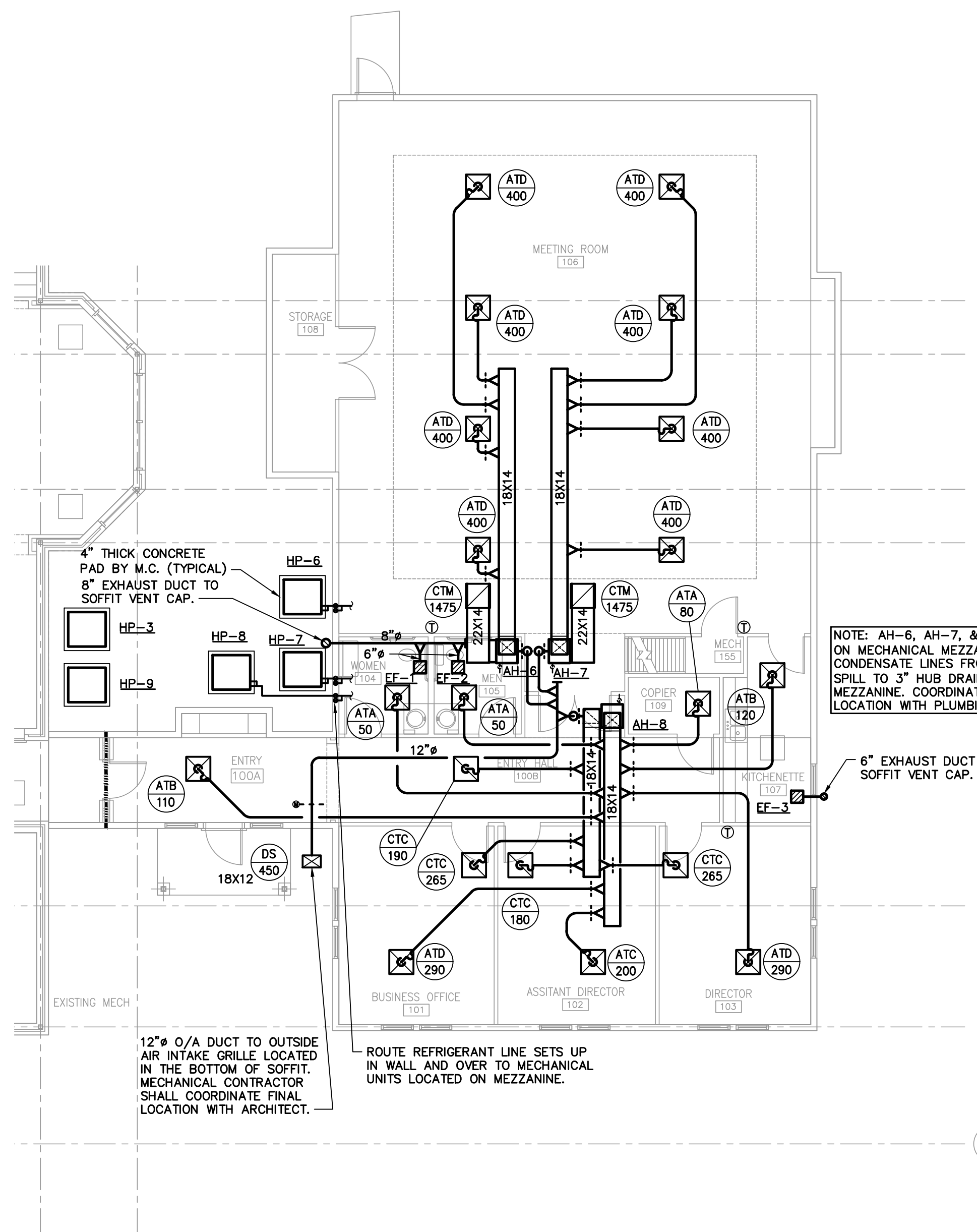
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| FIRE RATED WALLS | |
|--|-------------|
| --- | 3 HOUR WALL |
| IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES. | |

- GENERAL NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
 2. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE.
 3. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.



NOTE: AH-6, AH-7, & AH-8 LOCATED ON MECHANICAL MEZZANINE. ROUTE 3/4" CONDENSATE LINES FROM EACH UNIT AND SPILL TO 3" HUB DRAIN LOCATED ON MEZZANINE. COORDINATE HUB DRAIN LOCATION WITH PLUMBING CONTRACTOR.

1 MECHANICAL ADDITION PLAN
SCALE: 1/8" = 1'-0"

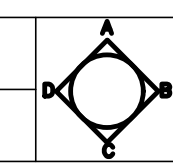
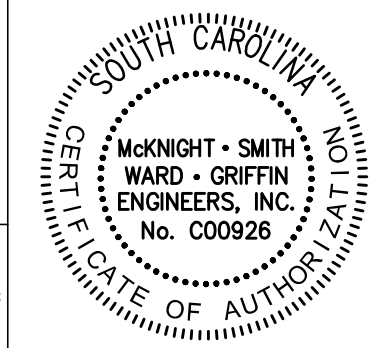
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| 2018-04 |
| 03/31/2022 |
| MECHANICAL ADDITION |
| M1.1 |



SPLIT SYSTEM HEAT PUMP SCHEDULE-R410a

Table with columns: Unit Tag, Area Served, Nom. Tons, SEER (EER), COP @ 47 Deg F, CFM, O.A. Min., ESP, Air Handling Unit (Fan Motor, Electric Heating Coil), DX Coil Performance, Heating Performance, Electrical Data (Outdoor Unit), and Remarks.

- 1. MODEL NUMBERS BASED ON TRANE. EQUALS BY CARRIER AND YORK.
2. UNIT CONTROLLED BY BAS.
3. CONTRACTOR SHALL VERIFY SERVICE CLEARANCES FOR ALL SUBSTITUTIONS.
4. SINGLE POINT ELECTRICAL CONNECTION AT AIR HANDLING UNIT UNLESS TWO CIRCUITS SHOWN ON SCHEDULE.
5. REFRIGERANT LINES AND ACCESSORIES PER UNIT MFG. RECOMMENDATIONS.
6. AIR HANDLER CONVERTIBLE FOR VERTICAL / HORIZONTAL INSTALLATION.
7. PROVIDE ANGLE IRON STAND BELOW UNIT.
8. PROVIDE OVERFLOW DRAIN PAN BELOW UNIT WITH MICROSWITCH TO SHUT OFF UNIT PRIOR TO PAN OVERFLOW.
9. PROVIDE OUTDOOR UNIT WITH MANUFACTURER'S SEACOAST KIT (BAYSEAC001).
10. PROVIDE HIGH STATIC DRIVE.
11. PROVIDE SMOKE DETECTOR IN RETURN AIR DUCTWORK.

MINI-SPLIT SYSTEM SCHEDULE

Table with columns: Unit Tag, Location, CFM High/Low, Fan Motor (FLA, Volts, Phase), Cooling Performance (EAT, MBH, Efficiency), Heating Performance (EAT, Capacity, MBH), Unit Electrical (MCA, MOCP), Outdoor Unit (Fan, Compressor, MCA, MOCP, Volts, Phase, Model), Model (Indoor Unit), POWER SOURCE, and Remarks.

- 1. REFER TO APPROVED MANUFACTURER LIST FOR ACCEPTABLE EQUAL MANUFACTURERS. COORDINATE POWER REQUIREMENTS FOR ALL SUBSTITUTIONS.
2. UNIT CONTROLLED BY WIRED REMOTE CONTROLLER. PROVIDE SENSOR CAPABLE TO CONNECT TO BAS FOR MONITORING PURPOSES.
3. REFRIGERANT LINES AND ACCESSORIES PER SPECS AND AS RECOMMENDED BY UNIT MFG.
4. PROVIDE FACTORY CONDENSATE PUMP POWERED FROM AIR HANDLER.
5. VARIABLE SPEED, INVERTOR DRIVEN.
6. INDOOR UNIT IS POWERED BY OUTDOOR UNIT. COORDINATE SUBSTITUTE MFG. ELECTRICAL REQUIREMENTS W/ E.C. AT NO ADDITIONAL COST TO OWNER.
7. PROVIDE ACCESSORIES AS REQUIRED TO ALLOW FOR LOW AMBIENT COOLING DOWN TO 18".

BI-POLAR IONIZATION SCHEDULE

Table with columns: Unit Tag, Location, Supply CFM, OSA CFM, Qty., Pressure Drop, Volts, Amps/Fuse, Type, Model No. Plasma Air, and Rmks.

- 1. PROVIDE AUTO-ELECTRIC FLOW SENSING.
2. PROVIDE IAQ-2 CALCULATION. PRESCRIPTIVE PROCEDURE WILL NOT BE ALLOWED.
3. OZONE DETECTABLE SYSTEM WILL NOT BE ALLOWED.
4. SYSTEM WILL BE MAINTENANCE E FREE. NO REPLACEMENT COMPONENT SYSTEM ALLOWED.
5. ALL MANUFACTURERS MUST PASS UL 867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
6. POWERED PARTICULATE FILTERS, POLARIZED MEDIA FILTERS, UNI-POLAR ION GENERATORS, PLASMA PARTICULATE FILTERS WITH UV SYSTEMS, AND BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES WILL NOT BE ACCEPTABLE.

FAN SCHEDULE

Table with columns: Unit Tag, Area Served, CFM, ESP (IN.), Fan RPM, Sones, Drive, Amps, HP (Watts), Volts, Phase, Type, Model, and Remarks.

- 1. MODELS BY GREENHECK. EQUALS BY PENN, ILG, LOREN COOK.
2. "VARIGREEN" MOTOR.
3. VERIFY FAN INLET/OUTLET SIZE. TRANSITION TO FIRST DUCT SIZE IF NECESSARY.
4. DISCONNECT SWITCH (OR PLUG) BY MFGR. FOR ALL SINGLE PHASE MOTORS (U.N.O.).
5. FAN SHALL BE CONTROLLED BY BAS.
6. FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH.
7. PROVIDE WITH MFG'S ROOF CURB ADAPTOR TO CONNECT TO EXISTING ROOF CURB. FIELD VERIFY DIMENSIONS.

GRILLE & DIFFUSER SCHEDULE

Table with columns: SYM, TYPE, USE, CFM RANGE, NECK SIZE, OVER-ALL SIZE, FINISH, FRAME, PRICE MODEL NO, and REMARKS.

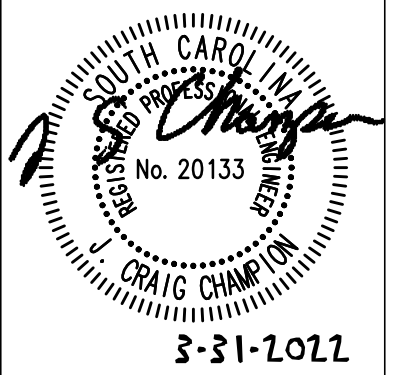
- REMARKS
1. EQUALS: METALAIRE, TITUS, KRUEGER, TUTTLE & BAILEY, NAIL-OR, CARNES. SCHEDULE IS GENERAL, SOME MAY NOT BE USED. PAINT ALL INSIDE VISIBLE SURFACES FLAT BLACK.
2. SYMBOL EXPLANATION: XXX/CFM = SYMBOL, FRAME (RMK 3), NECK (RMK 5,7)/CFM
3. FRAME TYPES: T = T-BAR
S = FLUSH SURF. MTD.. E = DUCT MOUNTED: V-BEVELED PLASTER FRAME FOR DROP SURF. (TYPE "A" DIFFUSER)
CEILING MOUNTING. D = DROPPED FRAME
NOTE: VERIFY FRAME/CEILING COMPATIBILITY.
4. OVERALL SIZE: LAY-IN = 2'x2', OTHER GRILLES = NECK + 2"/- .
5. LOUVER FACE SUPPLY NECK SIZES
NO. ROUND NK SIZE CFM NO. SQUARE NK SIZE CFM
A 6" 100 H 6x6 125
B 8" 175 I 9x9 280
C 10" 275 J 12x12 500
D 12" 400 K 15x15 780
E 14" 535 L 18x18 1125
F 16" 700 M 21x21 1530
G 18" 885 N 24x24 2000
NOTE: VERIFY CFM / NECK SIZE.
6. ADJUSTABLE: HORIZONTAL/VERTICAL - "PIANO HINGE" DEVICE.
7. "B" & "E" EXH/RETURN NECK SIZES ("E" = SQ. NK. ONLY)
NO. ROUND NK SIZE CFM NO. SQUARE NK SIZE CFM
A 6" 100 G 8x8 220
B 8" 175 H 10x10 345
C 10" 275 I 12x12 500
D 12" 400 J 14x14 680
E 14" 535 K 16x16 885
F 16" 700 L 18x18 1125
NOTE: VERIFY CFM / NECK SIZE.
N 22x22 1680
M 24x24 2600

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

Prescriptive Energy Cost Budget
Thermal Zone: Georgetown County (3A)
Exterior Design Conditions
Winter Dry Bulb: 25
Summer Dry Bulb: 95
Interior Design Conditions
Winter Dry Bulb: 70
Summer Dry Bulb: 75
Relative Humidity: 50%
Building Heating Load: 415 MBH
Building Cooling Load: 42.5 TONS
Mechanical Space Conditioning System
Unitary:
Description of Unit: Split Heat Pump Systems
Heating Efficiency: Refer to HVAC Equipment Schedules
Cooling Efficiency: Refer to HVAC Equipment Schedules
Heat Output of Unit: Refer to HVAC Equipment Schedules
Cooling Output of Unit: Refer to HVAC Equipment Schedules
List Equipment Efficiencies:
Equipment Schedules with Motors (Mechanical Systems)
Motor Horsepower: Comply w/ 2009 Int'l Energy Conservation Code
Number of Phases: Comply w/ 2009 Int'l Energy Conservation Code
Minimum Efficiency: Comply w/ 2009 Int'l Energy Conservation Code
Motor Type: Comply w/ 2009 Int'l Energy Conservation Code
Number of Poles: Comply w/ 2009 Int'l Energy Conservation Code
Designer Statement:
To the best of my knowledge and belief, the design of this building complies with the 2009 Int'l Energy Conservation Code.

GENERAL NOTES

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AN ADDITION TO GEORGETOWN COUNTY LIBRARY HEADQUARTERS

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2018-04
03/31/2022
MECHANICAL SCHEDULES



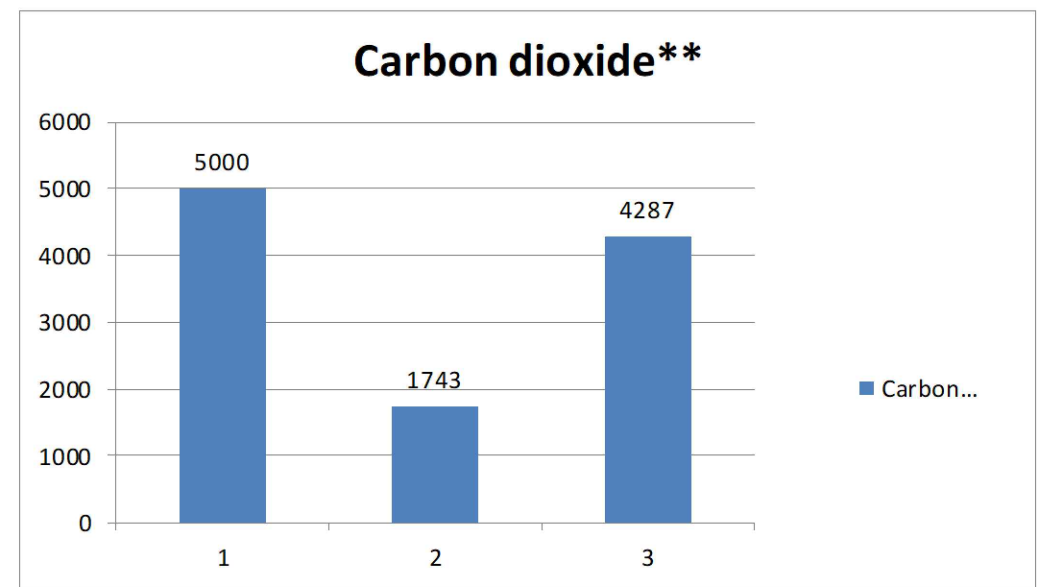
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| Zone Tag | Facility Type | Zone Use | Zone Floor Area (square ft) Az | Zone Max Occupancy Pz | Table 6.1 OA per Occupant Rp | Table 6.1 cfm/ft2 Ra | Pz * Rp | Az * Ra | Table 6.2 Ventilation Effectiveness Ez | Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez) |
|--------------|------------------------|--------------------|-----------------------------------|--------------------------|------------------------------------|----------------------------|---------|---------|--|--|
| AHU-6, AHU-7 | Educational Facilities | Conference/Meeting | 1,812.0 | 94.0 | 5.0 | 0.06 | 470 | 109 | 0.8 | 723 |

| | |
|--------------------------------|-----------|
| Zone Height (feet) | 10 |
| Desired Outside Air (Vo) IAQF | 250 |
| Supply Air (Vs) | 3,200 |
| Return Air (Vr) | 2950 |
| Recirc. Flow Factor (R) | 0.92 |
| Ventilation Effectiveness (Ez) | 0.8 |
| Level of Physical Activity | Sedentary |
| Filter Location | B |
| HVAC Flow Type | Constant |
| Outdoor Air Flow Type | Constant |

| | | | |
|--------------------------|---------|-----------------------|-----|
| Air Changes Per Hour | 10.6 | VRP OA CFM per person | 7.7 |
| Outside Air Per VRP | 723 CFM | IAQ OA CFM per person | 2.7 |
| Outside Air Per IAQ | 250 CFM | | |
| Outside Air Savings | 473 CFM | | |
| OA Drybulb | 92.5 | | |
| OA Wetbulb | 78.7 | | |
| Coil Leaving Air Drybulb | 55.0 | | |
| Coil Leaving Air Wetbulb | 55.0 | | |
| OA MBH Saved* | 40.5 | | |
| OA Tons Saved* | 3.4 | | |

OA = Outside Air



- 1 = ASHRAE CO2 Limit
- 2 = CO2 Level at Ventilation Rate OA Flow Rate
- 3 = CO2 Level at IAQ Procedure OA Flow Rate

**Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submarines.

| Indoor Contaminants Generated By People | Maximum Threshold Value (PPM)** | Steady State Using the VRP* (Prescribed OA) Plasma Off | Steady State Using the IAQ Method (Reduced OA) Plasma On | Is Steady State Level Acceptable at Reduced OA Levels? |
|--|---------------------------------|--|--|--|
| Acetaldehyde | 20.0 | 0.01114 | 0.00214 | Yes |
| Acetone | 19.0 | 0.00197 | 0.00076 | Yes |
| Ammonia | 2.50 | 0.02481 | 0.01498 | Yes |
| Benzene | 0.1000 | 0.00253 | 0.00062 | Yes |
| 2- Butanone (MEK) | 10.0 | 0.00025 | 0.00018 | Yes |
| Carbon dioxide** | 5000 | 1743 | 4287 | Yes |
| Chloroform | 0.2000 | 0.00011 | 0.00000 | Yes |
| Dioxane | 100.0 | 0.00000 | 0.00000 | Yes |
| Hydrogen Sulfide | 20.0 | 0.00000 | 0.00000 | Yes |
| Methane | NA | 1.68094 | 1.68094 | Yes |
| Methanol | 200.0 | 0.00000 | 0.00000 | Yes |
| Methylene Chloride | 50.0 | 0.00082 | 0.00065 | Yes |
| Propane | 100.0 | 0.00998 | 0.00998 | Yes |
| Tetrachloroethane | 35 mg/m3 | 0.00000 | 0.00000 | Yes |
| Tetrachloroethylene | 2.5000 | 0.00037 | 0.00011 | Yes |
| Toluene | 2.0000 | 0.00534 | 0.00084 | Yes |
| 1,1,1 - Trichloroethane | 0.2000 | 0.00080 | 0.00004 | Yes |
| Xylene | 0.4000 | 0.00230 | 0.00035 | Yes |

All values are in PPM unless otherwise noted

| | |
|--|-----|
| Is IAQ acceptable at reduced outside air levels? | Yes |
|--|-----|

All shaded boxes require user input or review

WALL LOUVER SCHEDULE

| Unit Tag | Equipment Served | CFM | PD (in.) | Free Area (sq. ft.) | Gross Dimensions | | Function | Model | Remarks |
|----------|------------------|-----|----------|---------------------|------------------|--------------|----------|-------------|---------|
| | | | | | Length (in.) | Height (in.) | | | |
| L-1 | AHU-3/AHU-9 | 190 | .08 | .48 | 18 | 12 | INTAKE | ELF-6375DXD | 1-8 |

- BASIS OF DESIGN IS RUSKIN. REFER TO APPROVED MANUFACTURER LISTING FOR EQUALS.
- PRESSURE DROP LISTED IS MAXIMUM ALLOWED.
- PROVIDE ALL 6063 ALUMINUM CONSTRUCTION, MINIMUM 0.081" THICKNESS AND FABRICATE FROM EXTRUDED OR ROLL-FORMED ONLY.
- 6" LOUVER DEPTH WITH 5-29/32" BLADE CENTERS AND MANUFACTURER'S STANDARD BLADE ANGLE.
- PROVIDE WITH ALUMINUM BIRDSCREEN.
- KYNAR FINISH, COLOR SELECTED BY ARCHITECT.
- LOUVER SHALL BE LISTED FOR AMCA 540 IMPACT TEST.
- LOUVER SHALL BE LISTED FOR AMCA 550 HIGH VELOCITY WIND DRIVEN RAIN TEST.

OUTSIDE AIR CALCULATION - AHU-1

| ROOM NAME | AREA TYPE | FLOOR AREA (SQ FT) | CFM/SQFT | DEFAULT OCCUPANT DENSITY #/1000 SQ FT | # OF PEOPLE PER SPACE | PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (CFM/PERSON) | OUTSIDE AIR PER SPACE (CFM) |
|------------------------|-----------|--------------------|----------|---------------------------------------|-----------------------|--|-----------------------------|
| 138 RARE BOOKS | STORAGE | 370 | 0.12 | 0 | 0 | 0 | 40 |
| 139 LOCAL HISTORY ROOM | STORAGE | 500 | 0.12 | 0 | 0 | 0 | 60 |

| | |
|---|-----|
| TOTAL OUTSIDE AIR CALCULATION (V _{out}) = | 100 |
| ZONE DISTRIBUTION EFFECTIVENESS (E _z) = | 0.8 |
| ZONE OUTDOOR AIRFLOW RATE (V _{out}) = | 130 |

OUTSIDE AIR CALCULATION - AHU-3

| ROOM NAME | AREA TYPE | FLOOR AREA (SQ FT) | CFM/SQFT | DEFAULT OCCUPANT DENSITY #/1000 SQ FT | # OF PEOPLE PER SPACE | PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (CFM/PERSON) | OUTSIDE AIR PER SPACE (CFM) |
|------------------------|-----------|--------------------|----------|---------------------------------------|-----------------------|--|-----------------------------|
| 111 EXISTING VESTIBULE | CORRIDORS | 175 | 0.06 | 0 | 0 | 0 | 10 |
| 112 EXISTING FOYER | CORRIDORS | 120 | 0.06 | 0 | 0 | 0 | 10 |
| 119 STORAGE | STORAGE | 90 | 0.12 | 0 | 0 | 0 | 10 |
| 115 DISPLAY HALL | CORRIDORS | 360 | 0.06 | 0 | 0 | 0 | 20 |

| | |
|---|-----|
| TOTAL OUTSIDE AIR CALCULATION (V _{out}) = | 50 |
| ZONE DISTRIBUTION EFFECTIVENESS (E _z) = | 0.8 |
| ZONE OUTDOOR AIRFLOW RATE (V _{out}) = | 60 |

OUTSIDE AIR CALCULATION - AHU-8

| ROOM NAME | AREA TYPE | FLOOR AREA (SQ FT) | CFM/SQFT | DEFAULT OCCUPANT DENSITY #/1000 SQ FT | # OF PEOPLE PER SPACE | PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (CFM/PERSON) | OUTSIDE AIR PER SPACE (CFM) |
|---------------------|---------------|--------------------|----------|---------------------------------------|-----------------------|--|-----------------------------|
| 107 KITCHENETTE | CORRIDORS | 105 | 0.06 | 0 | 0 | 0 | 10 |
| 100 ENTRY HALL | CORRIDORS | 365 | 0.06 | 0 | 0 | 0 | 20 |
| 101 BUSINESS OFFICE | OFFICE SPACES | 210 | 0.06 | 10 | 2 | 5 | 20 |
| 102 ASST. DIRECTOR | OFFICE SPACES | 215 | 0.06 | 10 | 2 | 5 | 20 |
| 103 VIDEO OFFICE | OFFICE SPACES | 205 | 0.06 | 10 | 2 | 5 | 20 |

| | |
|---|-----|
| TOTAL OUTSIDE AIR CALCULATION (V _{out}) = | 90 |
| ZONE DISTRIBUTION EFFECTIVENESS (E _z) = | 0.8 |
| ZONE OUTDOOR AIRFLOW RATE (V _{out}) = | 110 |

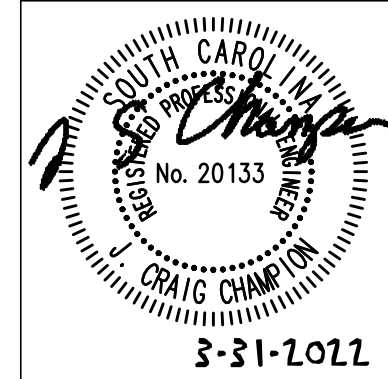
OUTSIDE AIR CALCULATION - AHU-9

| ROOM NAME | AREA TYPE | FLOOR AREA (SQ FT) | CFM/SQFT | DEFAULT OCCUPANT DENSITY #/1000 SQ FT | # OF PEOPLE PER SPACE | PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (CFM/PERSON) | OUTSIDE AIR PER SPACE (CFM) |
|--------------------|---------------|--------------------|----------|---------------------------------------|-----------------------|--|-----------------------------|
| 114 BREAK | OFFICE SPACES | 265 | 0.06 | 10 | 3 | 5 | 30 |
| 118 EXISTING MECH. | STORAGE | 145 | 0.12 | 0 | 0 | 0 | 20 |
| 116 VIDEO PROD. | OFFICE SPACES | 330 | 0.06 | 10 | 3 | 5 | 30 |
| 117 EDITING | OFFICE SPACES | 165 | 0.06 | 10 | 2 | 5 | 20 |

| | |
|---|-----|
| TOTAL OUTSIDE AIR CALCULATION (V _{out}) = | 100 |
| ZONE DISTRIBUTION EFFECTIVENESS (E _z) = | 0.8 |
| ZONE OUTDOOR AIRFLOW RATE (V _{out}) = | 130 |

GENERAL NOTES

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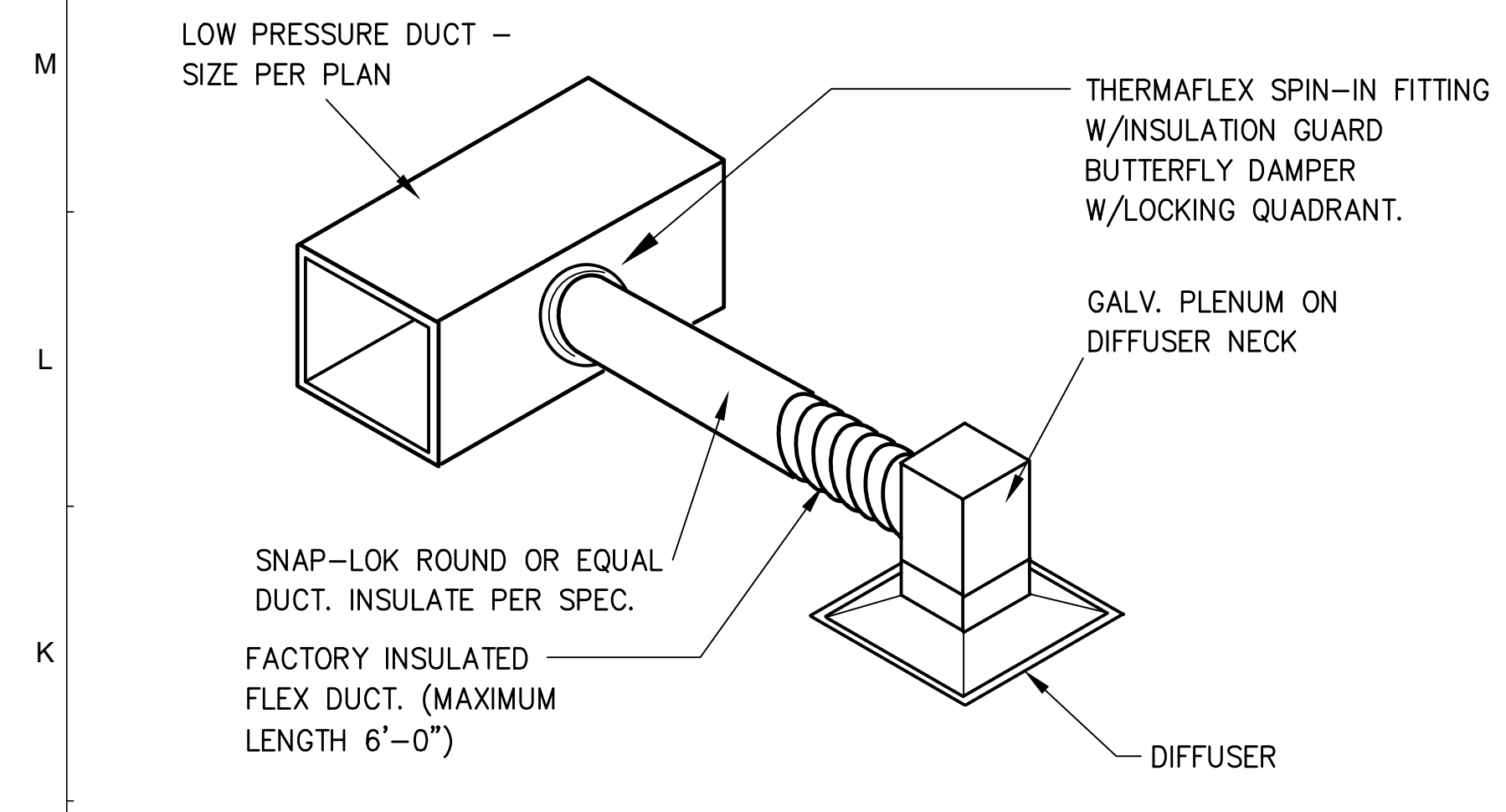
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2018-04
03/31/2022
MECHANICAL SCHEDULES

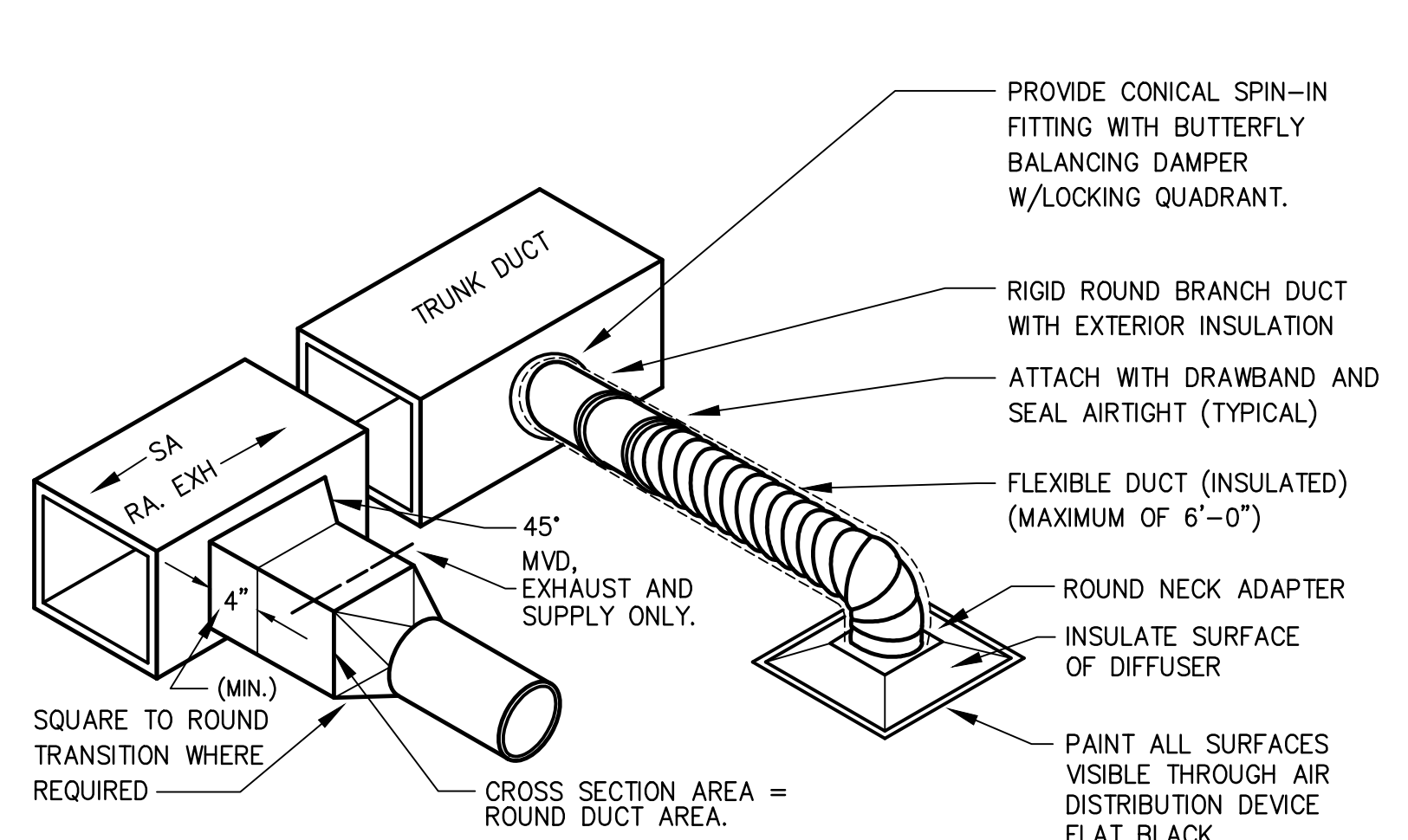


M2.1

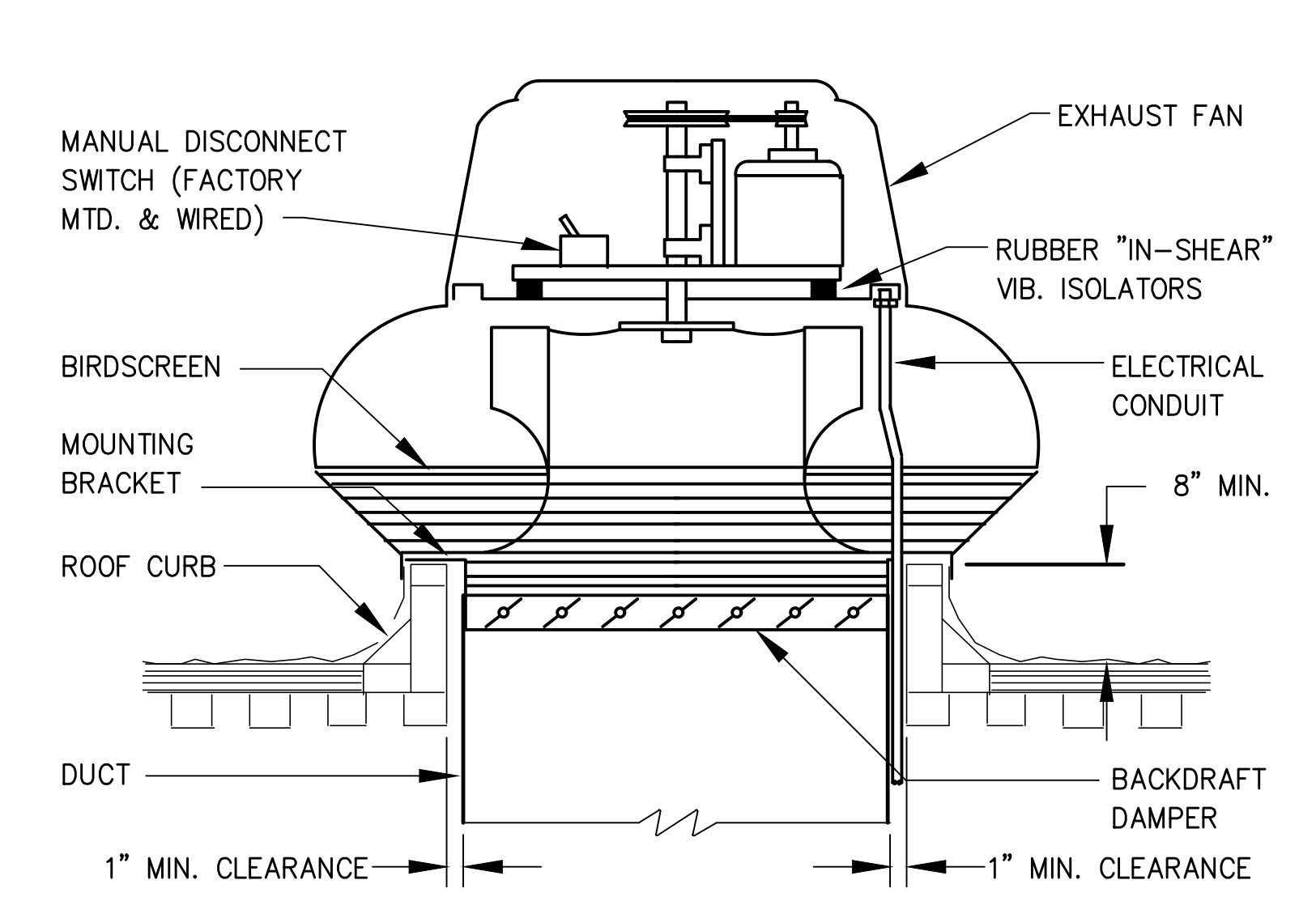
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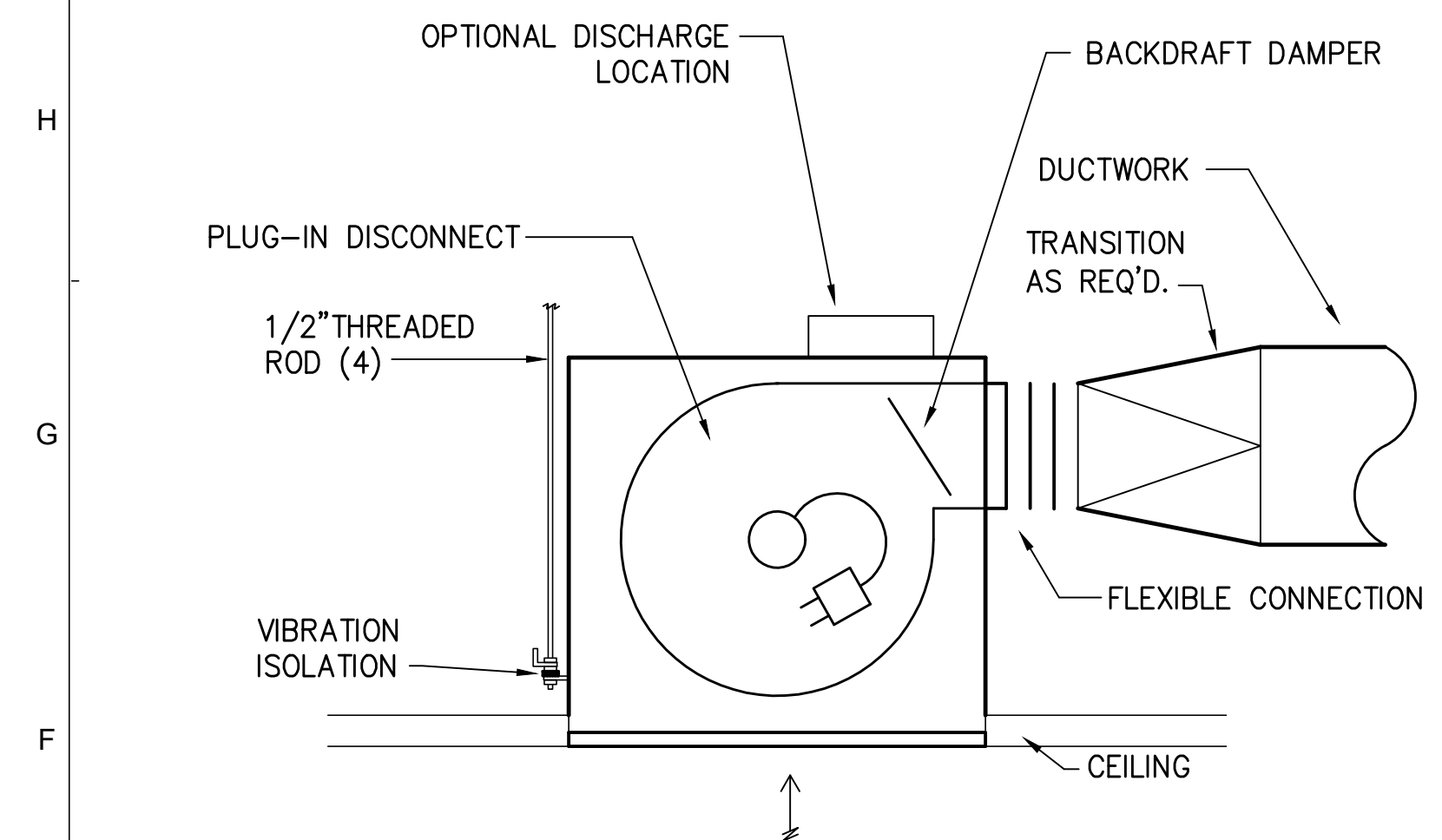
8 SQUARE NECK DIFFUSER TAKE-OFF DETAIL
NTS



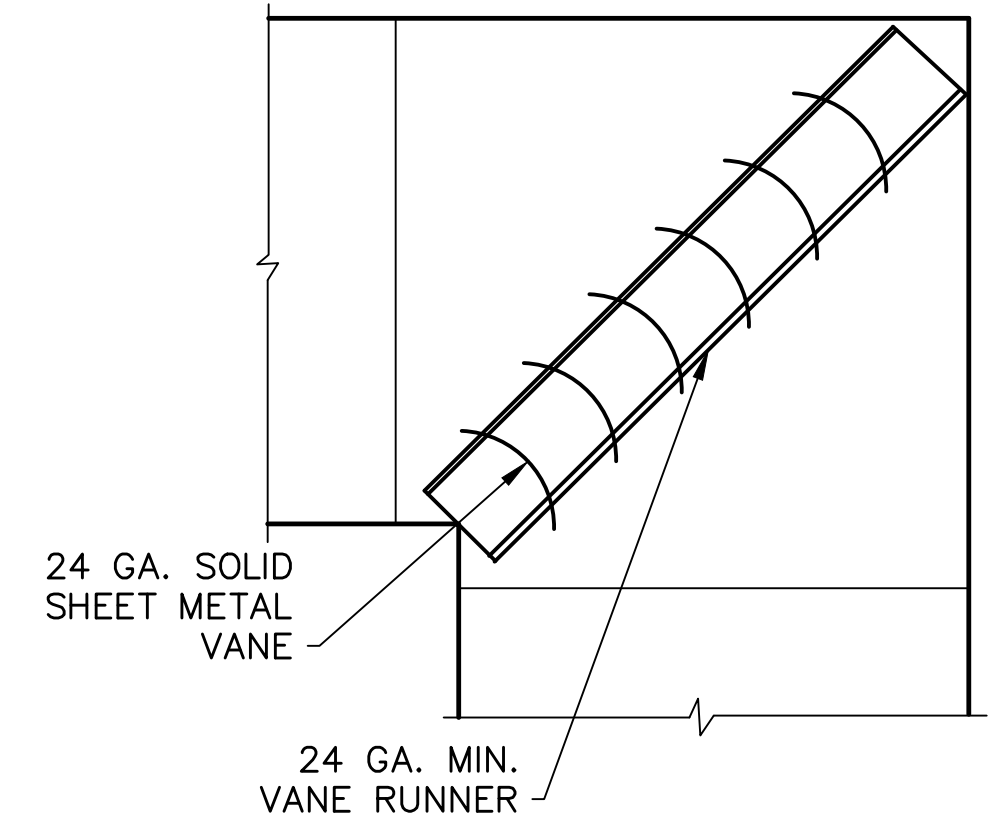
9 DUCT TAKEOFF DETAIL
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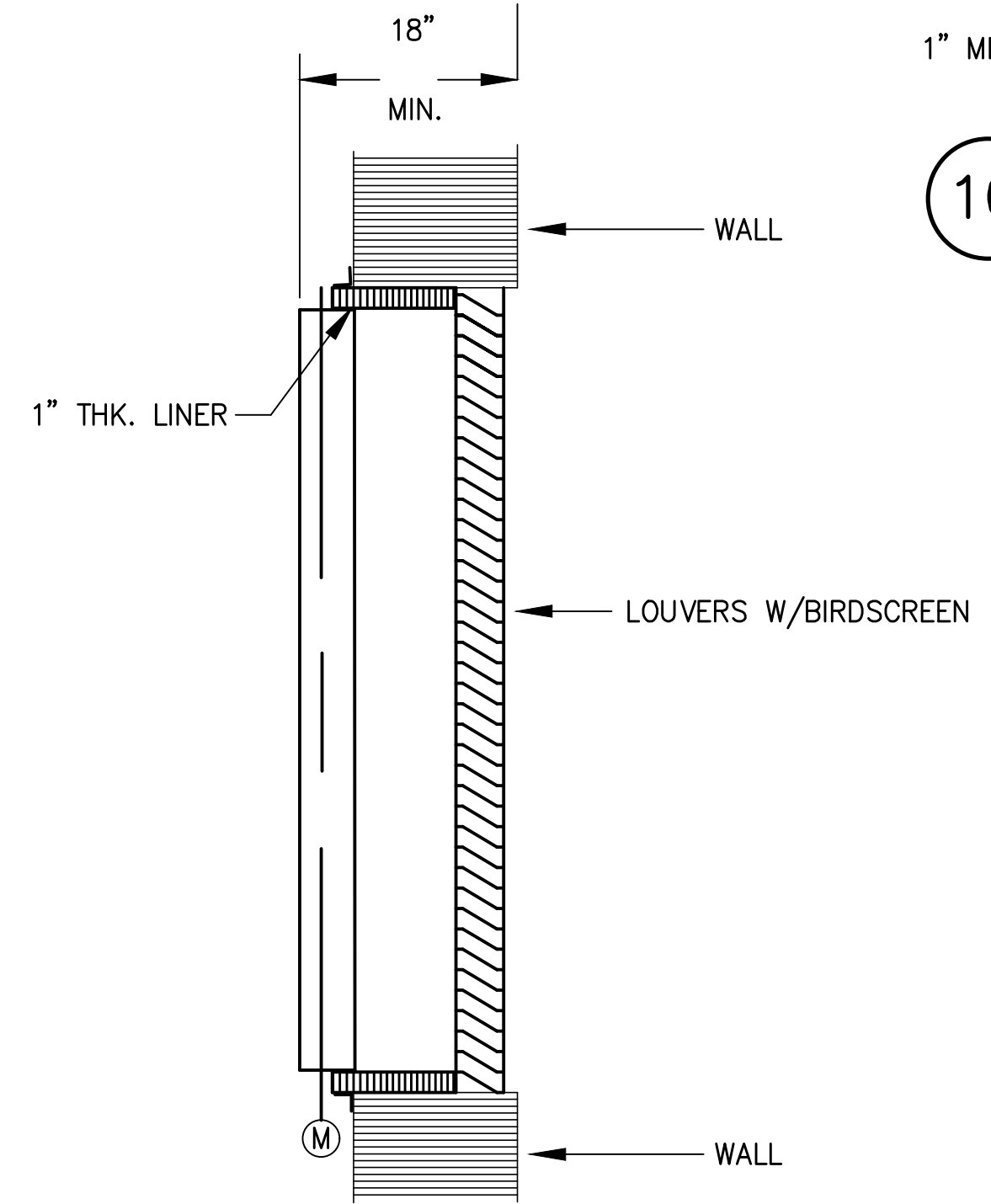
10 ROOF MTD. EXHAUST FAN DETAIL
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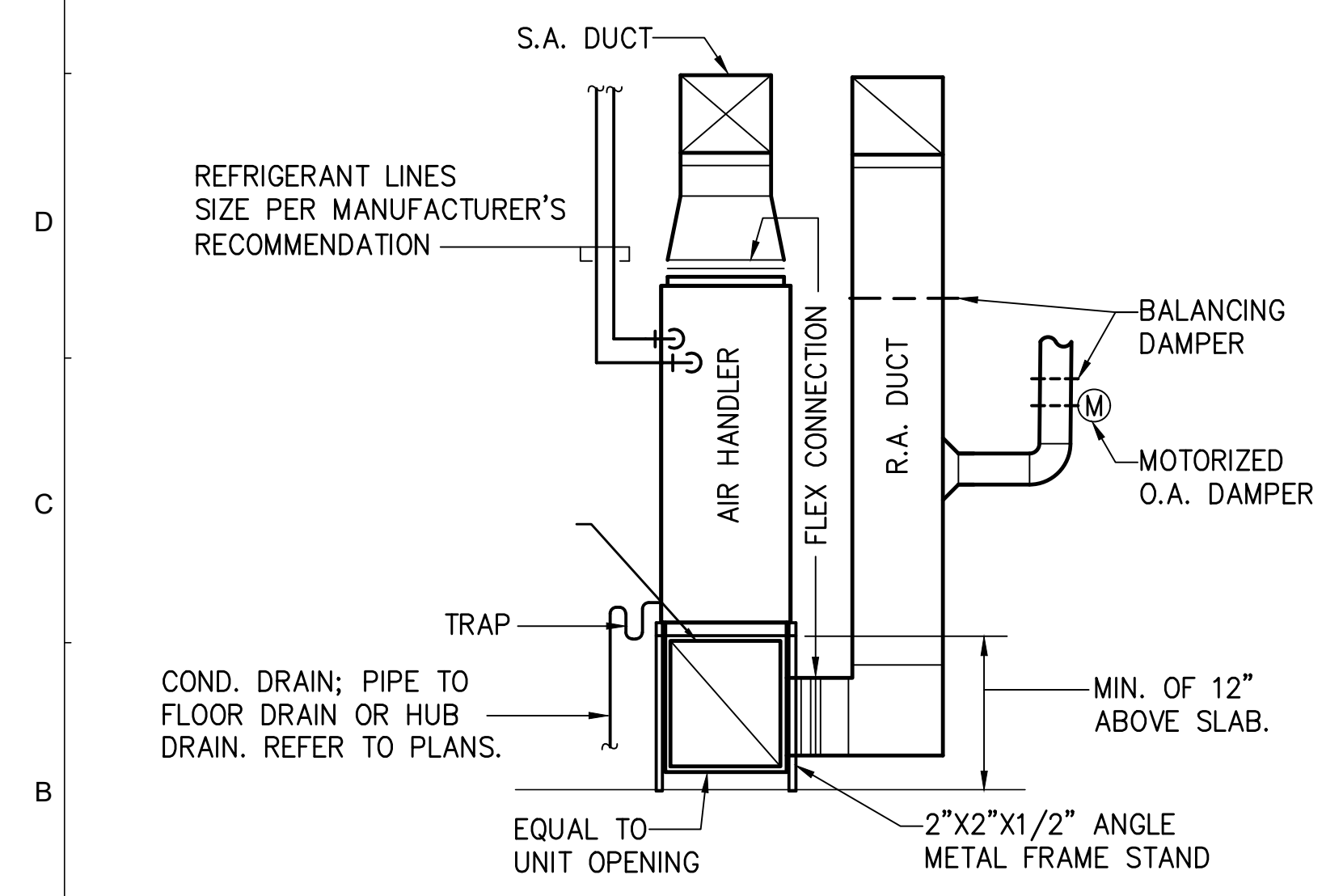
5 CEILING EXHAUST FAN DETAIL
NTS



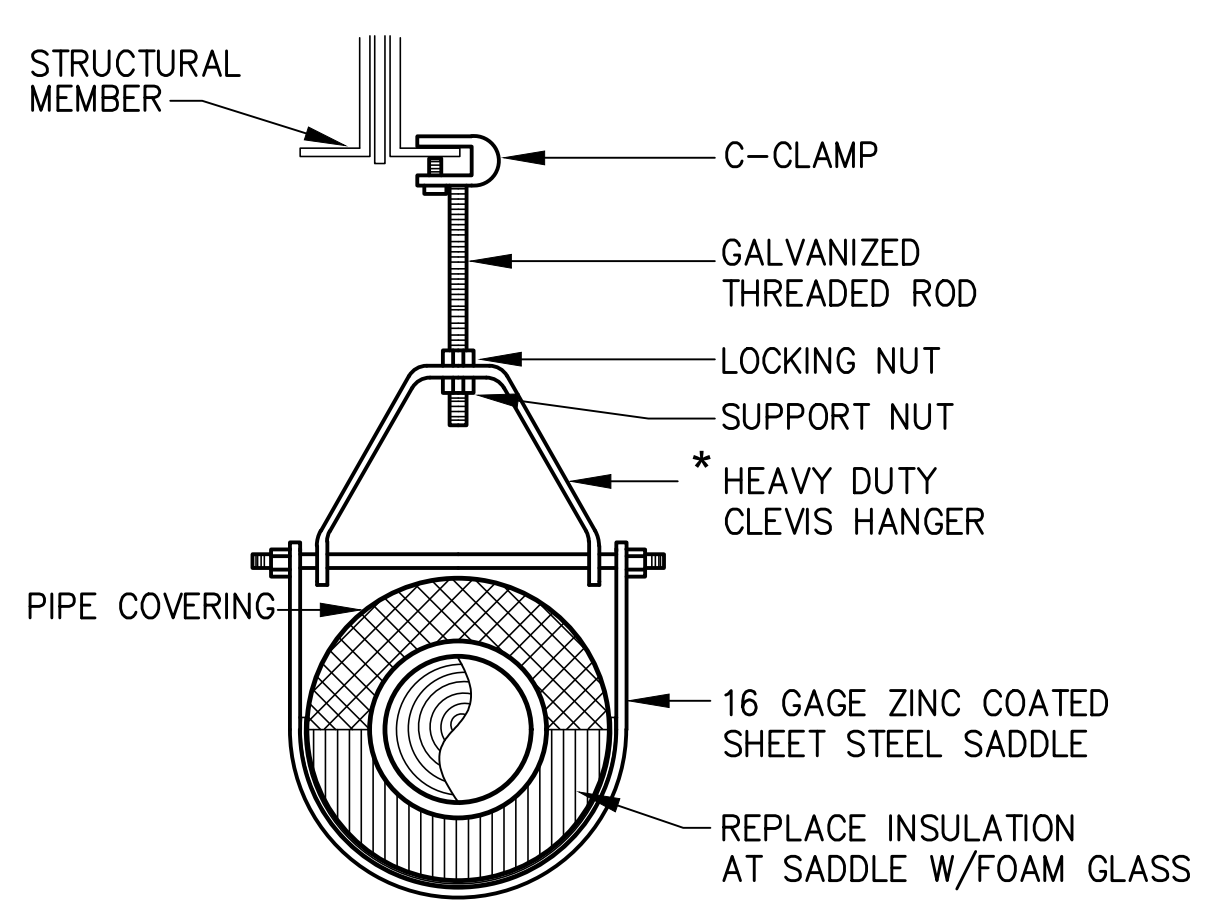
6 TURNING VANE DETAIL
NTS PERMITTED ONLY WHERE RADIUS ELL WILL NOT FIT.



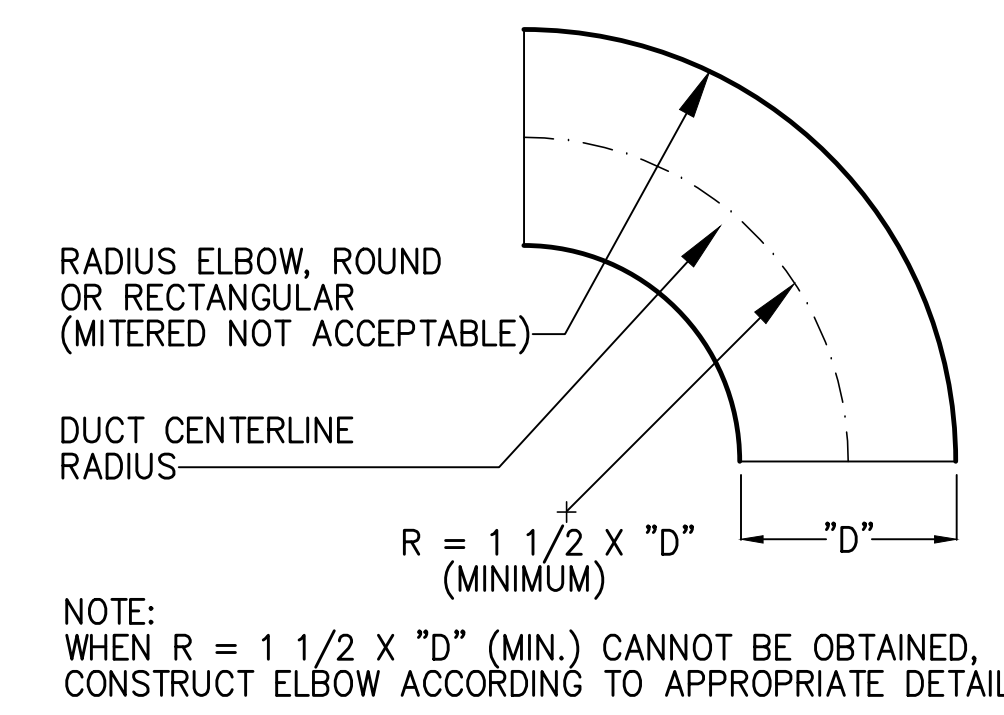
7 LOUVER/DAMPER DETAIL
NTS



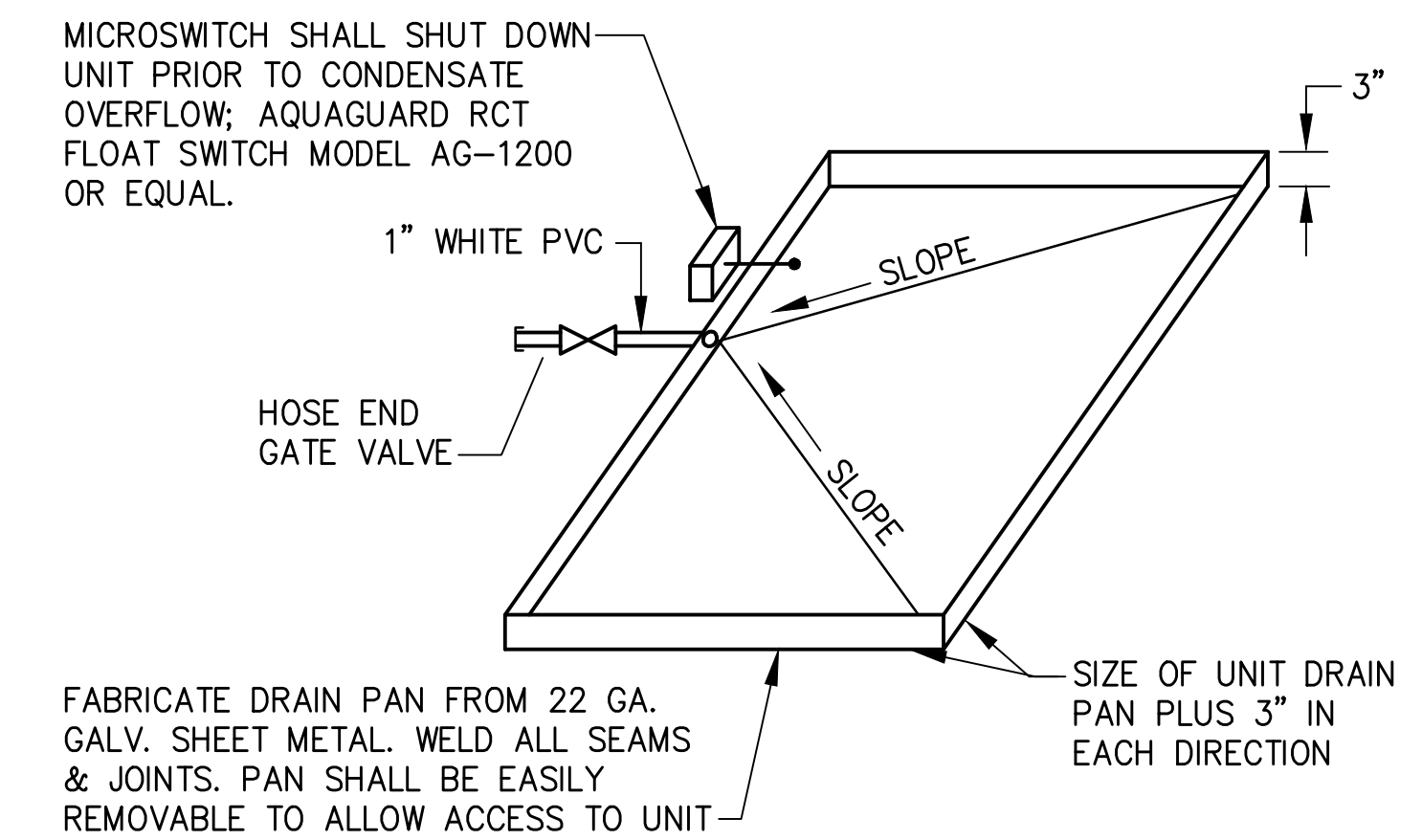
1 VERTICAL AHU DETAIL
NTS



2 PIPE HANGER DETAIL
NTS * CONTRACTOR OPTION: MICHIGAN HANGER #403



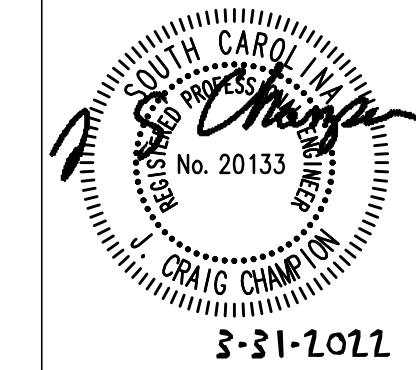
3 RADIUS ELBOW DETAIL
NTS NOTE: WHEN R = 1 1/2 X 'D' (MIN.) CANNOT BE OBTAINED, CONSTRUCT ELBOW ACCORDING TO APPROPRIATE DETAIL.



4 AUXILIARY DRAIN PAN DETAIL
NTS

GENERAL NOTES

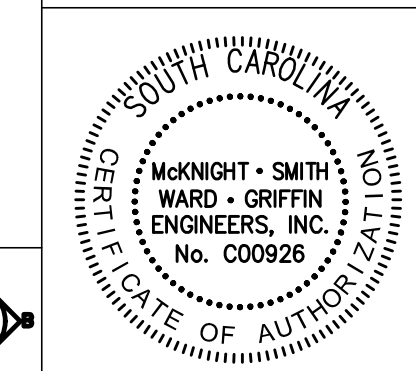
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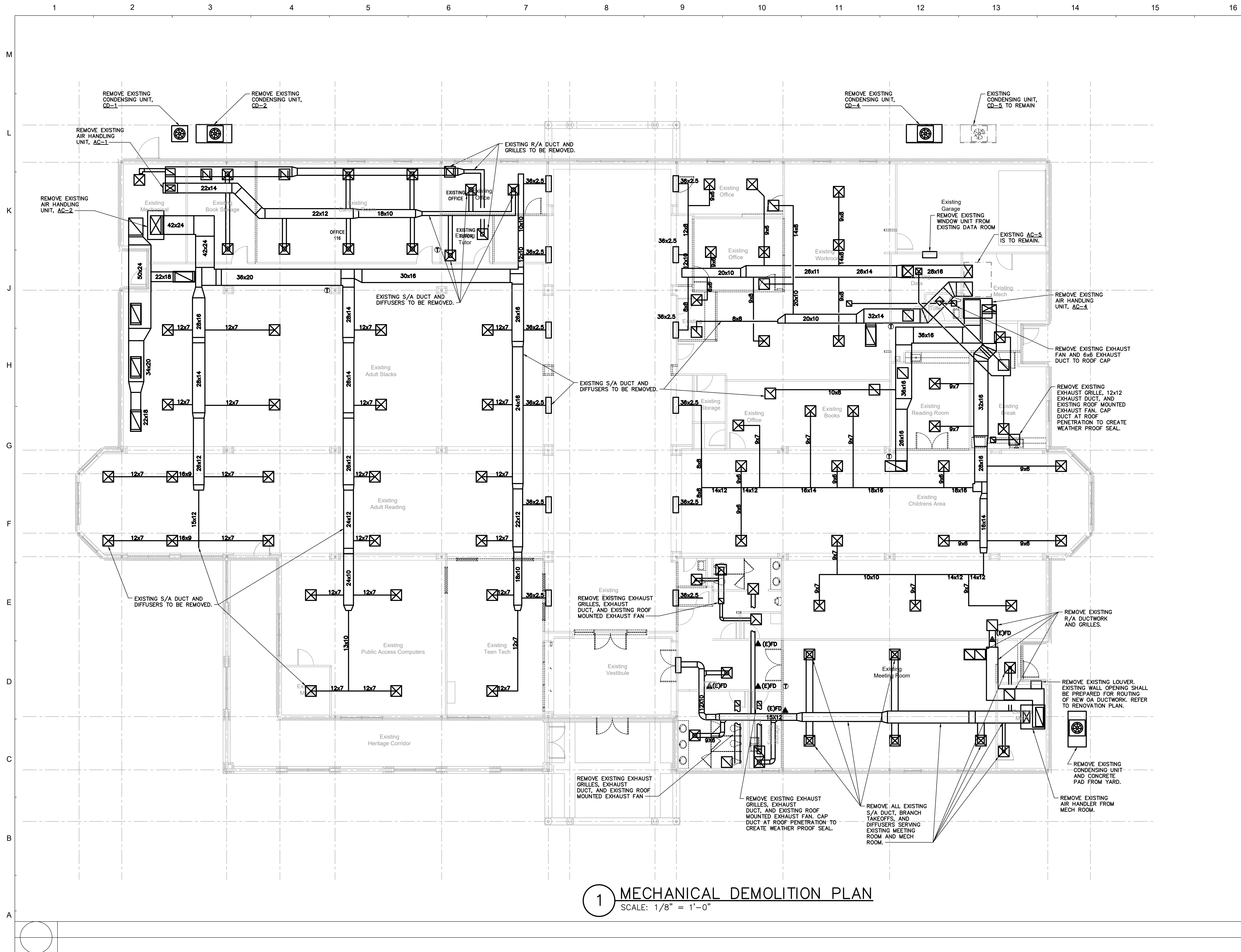
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AN ADDITION TO
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GEORGETOWN, SOUTH CAROLINA



| |
|--------------------|
| 2018-04 |
| 03/31/2022 |
| MECHANICAL DETAILS |

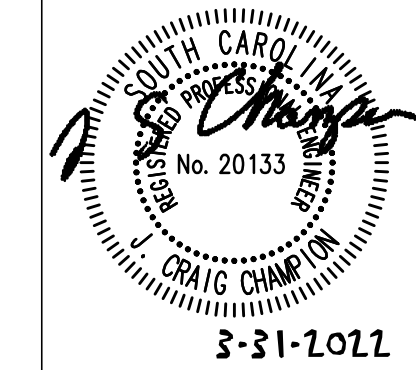
M3.0



GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
2. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE.
3. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

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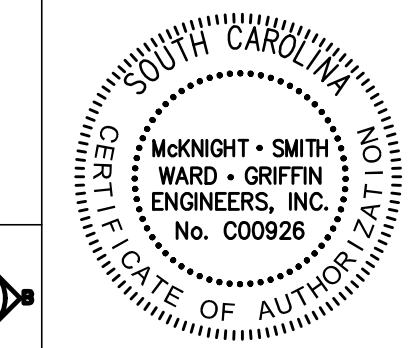


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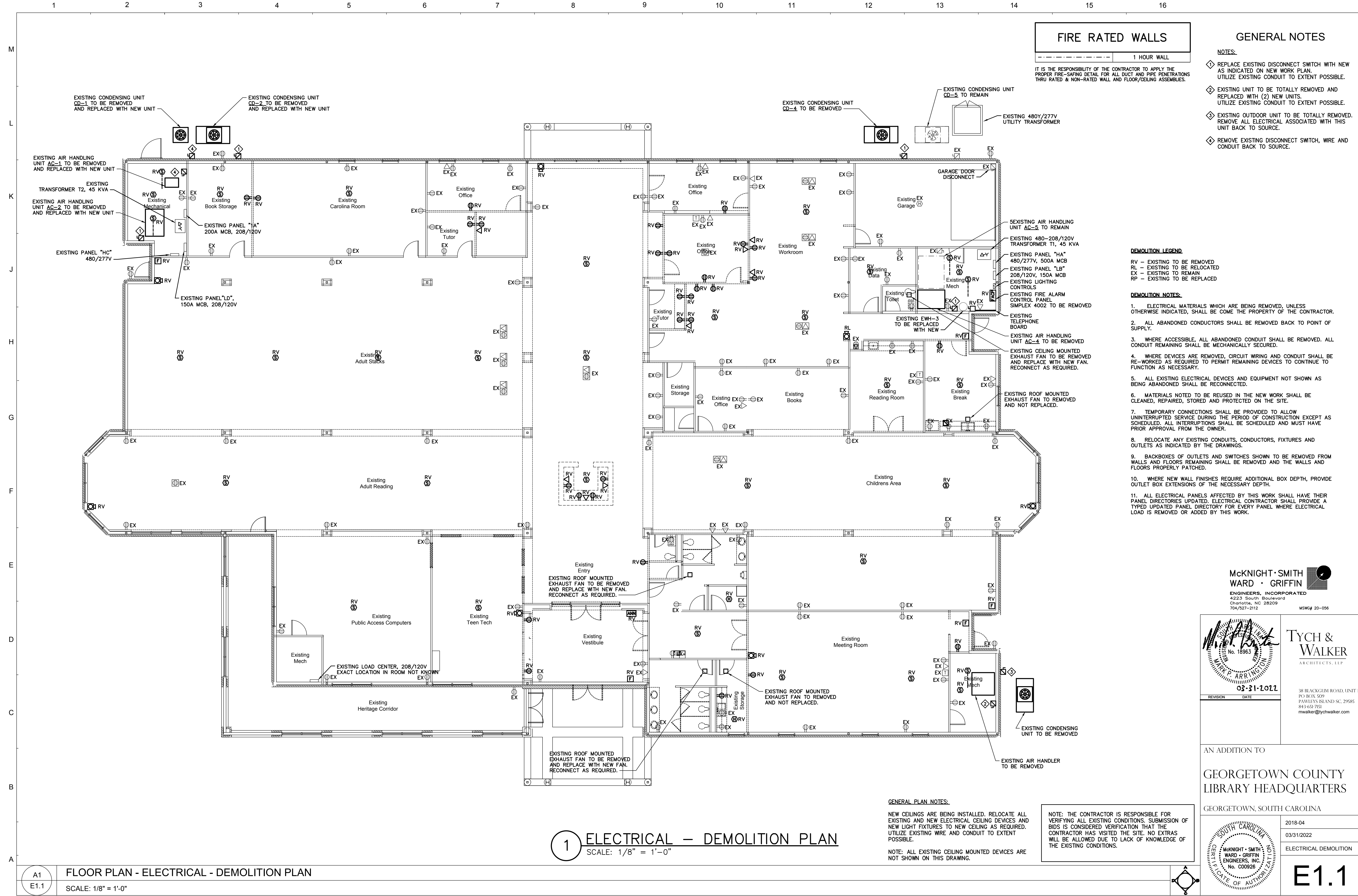
AN ADDITION TO
**GEORGETOWN COUNTY
LIBRARY HEADQUARTERS**
GEORGETOWN, SOUTH CAROLINA



| |
|-----------------------|
| 2018-04 |
| 03/31/2022 |
| MECHANICAL DEMOLITION |

MD1.0

1 MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



FIRE RATED WALLS
 --- 1 HOUR WALL

- GENERAL NOTES**
- NOTES:**
- ◆ REPLACE EXISTING DISCONNECT SWITCH WITH NEW AS INDICATED ON NEW WORK PLAN. UTILIZE EXISTING CONDUIT TO EXTENT POSSIBLE.
 - ◆ EXISTING UNIT TO BE TOTALLY REMOVED AND REPLACED WITH (2) NEW UNITS. UTILIZE EXISTING CONDUIT TO EXTENT POSSIBLE.
 - ◆ EXISTING OUTDOOR UNIT TO BE TOTALLY REMOVED. REMOVE ALL ELECTRICAL ASSOCIATED WITH THIS UNIT BACK TO SOURCE.
 - ◆ REMOVE EXISTING DISCONNECT SWITCH, WIRE AND CONDUIT BACK TO SOURCE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES.

DEMOLITION LEGEND

- RV - EXISTING TO BE REMOVED
- RL - EXISTING TO BE RELOCATED
- EX - EXISTING TO REMAIN
- RP - EXISTING TO BE REPLACED

DEMOLITION NOTES:

1. ELECTRICAL MATERIALS WHICH ARE BEING REMOVED, UNLESS OTHERWISE INDICATED, SHALL BE COME THE PROPERTY OF THE CONTRACTOR.
2. ALL ABANDONED CONDUCTORS SHALL BE REMOVED BACK TO POINT OF SUPPLY.
3. WHERE ACCESSIBLE, ALL ABANDONED CONDUIT SHALL BE REMOVED. ALL CONDUIT REMAINING SHALL BE MECHANICALLY SECURED.
4. WHERE DEVICES ARE REMOVED, CIRCUIT WIRING AND CONDUIT SHALL BE RE-WORKED AS REQUIRED TO PERMIT REMAINING DEVICES TO CONTINUE TO FUNCTION AS NECESSARY.
5. ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT NOT SHOWN AS BEING ABANDONED SHALL BE RECONNECTED.
6. MATERIALS NOTED TO BE REUSED IN THE NEW WORK SHALL BE CLEANED, REPAIRED, STORED AND PROTECTED ON THE SITE.
7. TEMPORARY CONNECTIONS SHALL BE PROVIDED TO ALLOW UNINTERRUPTED SERVICE DURING THE PERIOD OF CONSTRUCTION EXCEPT AS SCHEDULED. ALL INTERRUPTIONS SHALL BE SCHEDULED AND MUST HAVE PRIOR APPROVAL FROM THE OWNER.
8. RELOCATE ANY EXISTING CONDUITS, CONDUCTORS, FIXTURES AND OUTLETS AS INDICATED BY THE DRAWINGS.
9. BACKBOXES OF OUTLETS AND SWITCHES SHOWN TO BE REMOVED FROM WALLS AND FLOORS REMAINING SHALL BE REMOVED AND THE WALLS AND FLOORS PROPERLY PATCHED.
10. WHERE NEW WALL FINISHES REQUIRE ADDITIONAL BOX DEPTH, PROVIDE OUTLET BOX EXTENSIONS OF THE NECESSARY DEPTH.
11. ALL ELECTRICAL PANELS AFFECTED BY THIS WORK SHALL HAVE THEIR PANEL DIRECTORIES UPDATED. ELECTRICAL CONTRACTOR SHALL PROVIDE A TYPED UPDATED PANEL DIRECTORY FOR EVERY PANEL WHERE ELECTRICAL LOAD IS REMOVED OR ADDED BY THIS WORK.

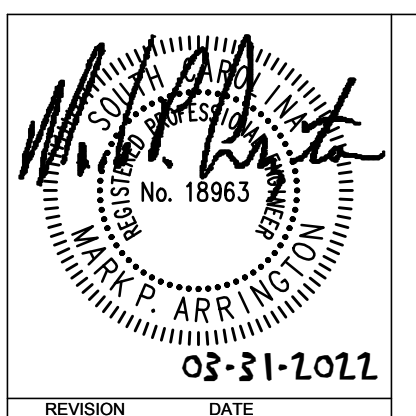
GENERAL PLAN NOTES:

NEW CEILINGS ARE BEING INSTALLED. RELOCATE ALL EXISTING AND NEW ELECTRICAL CEILING DEVICES AND NEW LIGHT FIXTURES TO NEW CEILING AS REQUIRED. UTILIZE EXISTING WIRE AND CONDUIT TO EXTENT POSSIBLE.

NOTE: ALL EXISTING CEILING MOUNTED DEVICES ARE NOT SHOWN ON THIS DRAWING.

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

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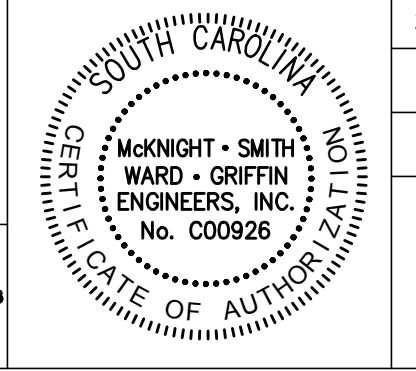


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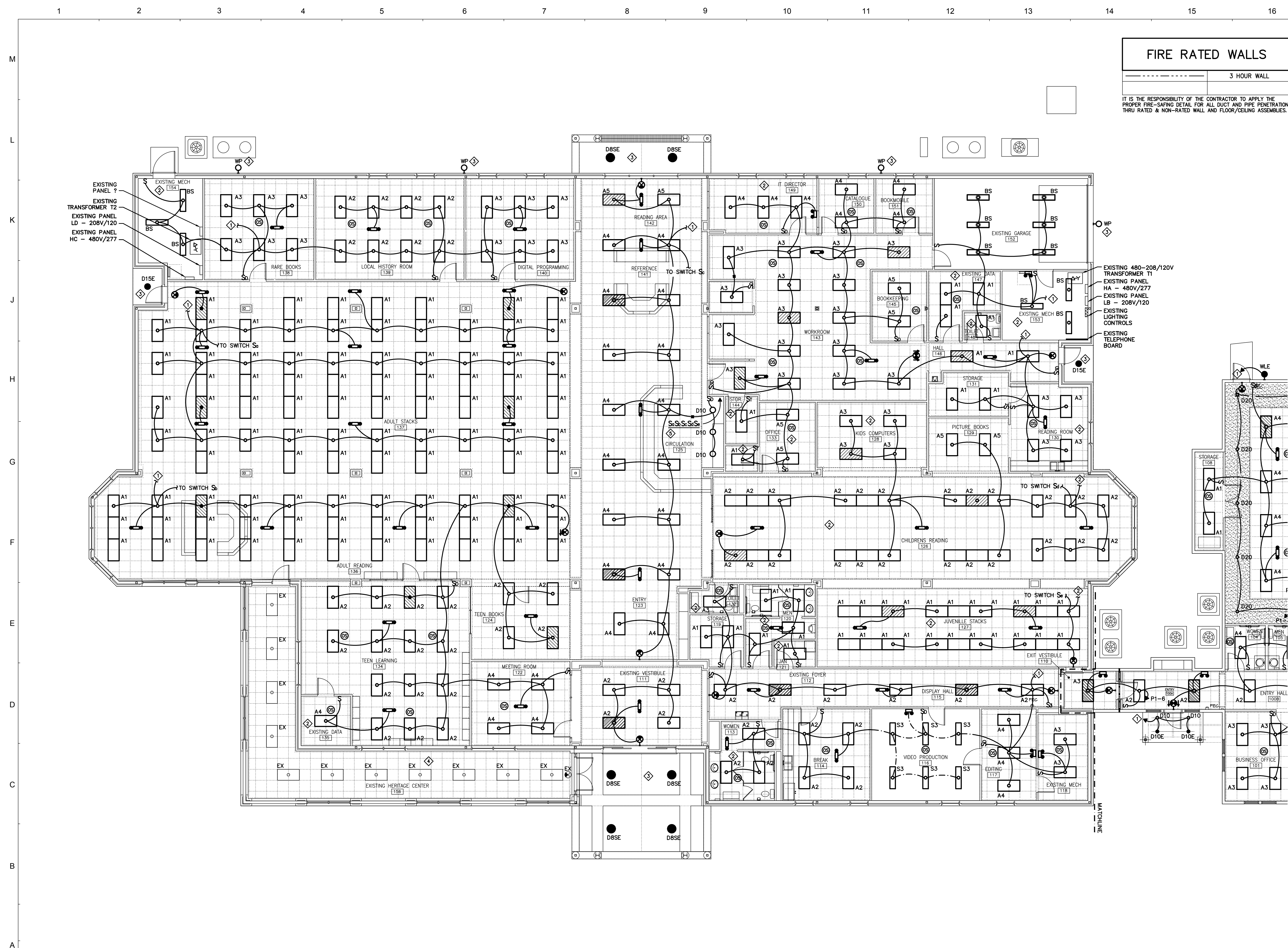
2018-04
 03/31/2022
 ELECTRICAL DEMOLITION



E1.1

1 ELECTRICAL - DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

A1 FLOOR PLAN - ELECTRICAL - DEMOLITION PLAN
 E1.1 SCALE: 1/8" = 1'-0"



| FIRE RATED WALLS | |
|------------------|-------------|
| | 3 HOUR WALL |

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES.

- GENERAL NOTES**
- NOTES:**
- 1. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA PRIOR TO DEMOLITION.
 - 2. NEW LIGHTS TO BE PLACED IN NEW GRID AT APPROXIMATELY THE SAME LOCATION AS BEFORE DEMOLITION. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA PRIOR TO DEMOLITION. UTILIZE EXISTING WIRE AND CONDUIT TO EXTENT POSSIBLE.
 - 3. REPLACE EXTERIOR LIGHT FIXTURES WITH NEW AS INDICATED. UTILIZE EXISTING WIRE AND CONDUIT TO EXTENT POSSIBLE.
 - 4. NO NEW WORK IN THIS AREA. ALL EXISTING LIGHT FIXTURES AND CONTROLS TO REMAIN.
 - 5. REPLACE EXISTING SWITCH STATIONS WITH SWITCH STATIONS INDICATED.

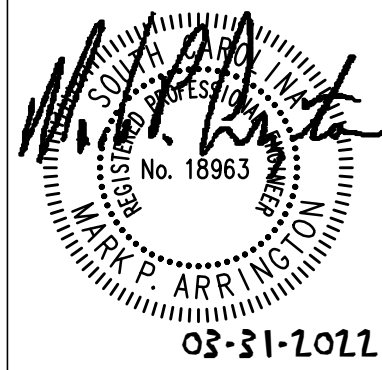
GENERAL PLAN NOTES:

NEW CEILINGS ARE BEING INSTALLED. RELOCATE ALL EXISTING AND NEW ELECTRICAL CEILING DEVICES AND NEW LIGHT FIXTURES TO NEW CEILING AS REQUIRED. UTILIZE EXISTING WIRE AND CONDUIT TO EXTENT POSSIBLE.

NOTE: ALL EXISTING CEILING MOUNTED DEVICES ARE NOT SHOWN ON THIS DRAWING.

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

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REVISION DATE

03-31-2011

AN ADDITION TO
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GEORGETOWN, SOUTH CAROLINA

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|-----------------------|
| 2018-04 |
| 03/31/2022 |
| FLOOR PLAN - LIGHTING |
| E2.0 |

FLOOR PLAN - REPLACE EXISTING LIGHTS
SCALE: 1/8" = 1'-0"

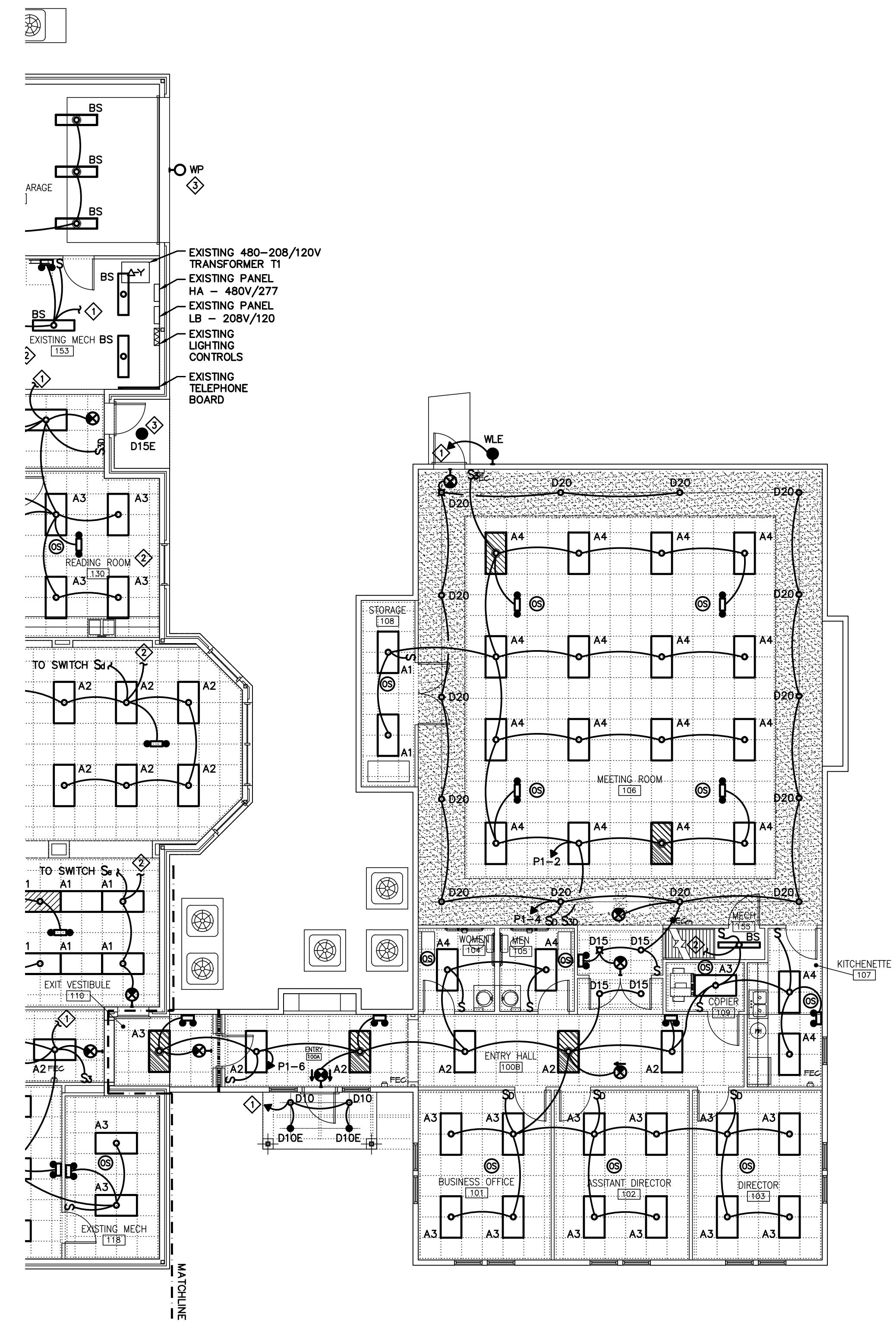
A1
E2.0

| FIRE RATED WALLS | |
|--|-------------|
| ----- | 3 HOUR WALL |
| IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES. | |

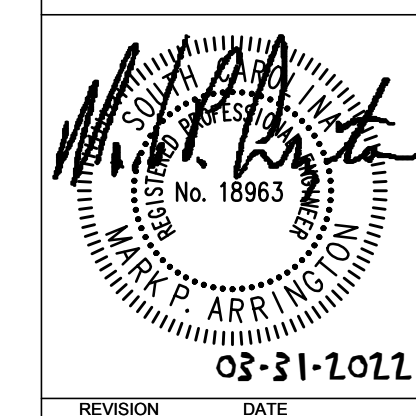
GENERAL NOTES

NOTES:

- CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROLS.
- UP TO (2) TYPE "BS" LIGHT FIXTURES (NOT SHOWN) ABOVE MECHANICAL PLATFORM IN THIS AREA. COORDINATE EXACT LOCATION WITH MECHANICAL UNITS AND DUCTWORK.



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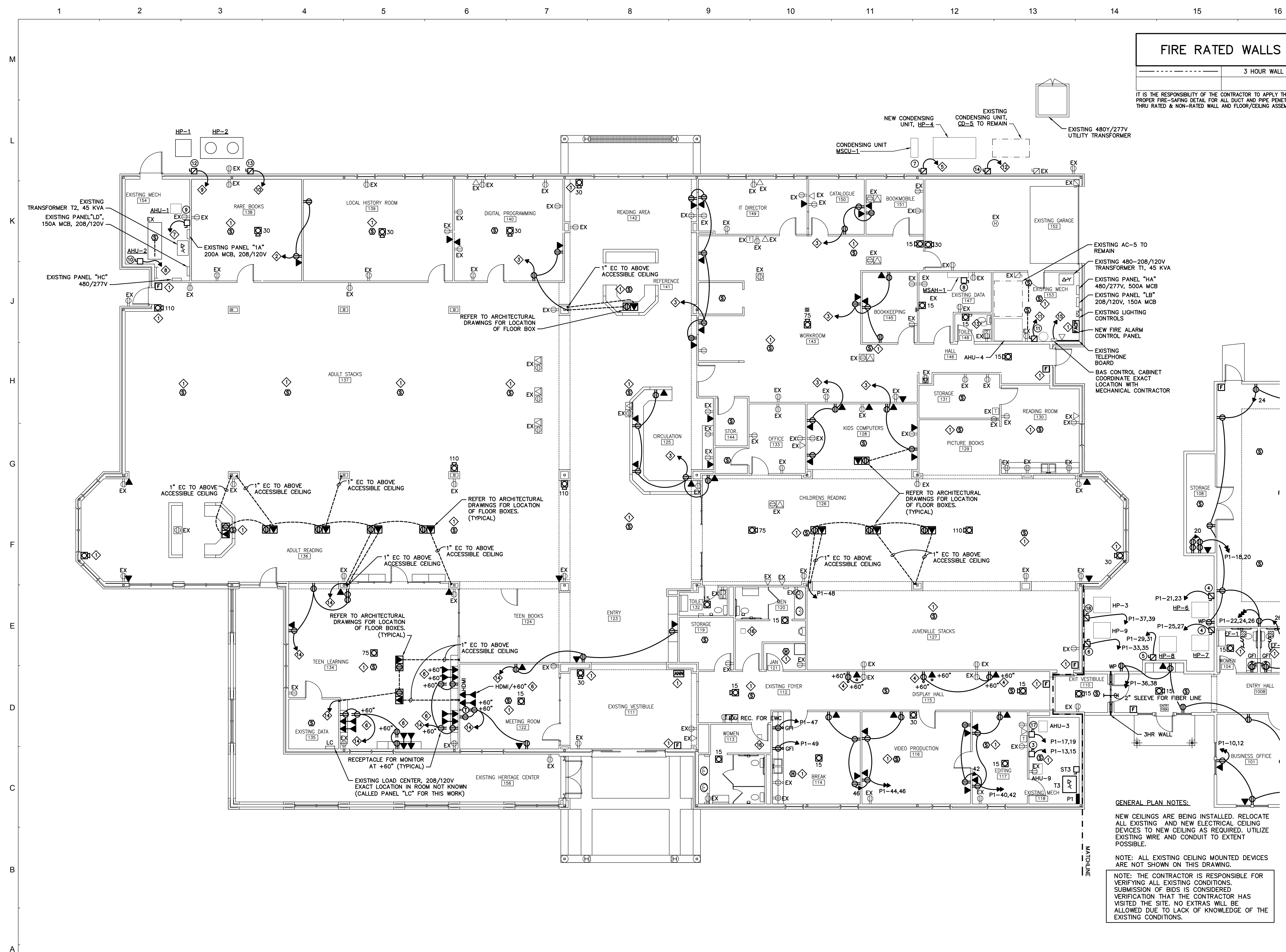


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 GEORGETOWN, SOUTH CAROLINA

| | |
|-------------|-----------------------|
| | 2018-04 |
| | 03/31/2022 |
| | FLOOR PLAN - LIGHTING |
| E2.1 | |



FIRE RATED WALLS

| | |
|-----|-------------|
| --- | 3 HOUR WALL |
|-----|-------------|

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES.

- NOTES:**
- PROVIDE NEW FIRE ALARM DEVICE AS INDICATED UTILIZE EXISTING WIRE AND CONDUIT TO EXTENT POSSIBLE.
 - CONNECT TO 20/1 SPARE CIRCUIT BREAKER MADE AVAILABLE BY DEMOLITION IN EXISTING PANEL "LD" OR PROVIDE NEW 20/1 CIRCUIT BREAKER AND CONNECT WITH 2#12,1#12G,1/2"C.
 - IN SPACE AVAILABLE IN PANEL "1A" PROVIDE NEW 20/1 CIRCUIT BREAKER AND CONNECT WITH 2#10,1#10G,1/2"C.
 - CONNECT TO EXISTING RECEPTACLE CIRCUIT AS INDICATED.
 - IN SPACE MADE AVAILABLE BY DEMOLITION IN EXISTING PANEL "LB" PROVIDE NEW 30/2 CIRCUIT BREAKER AND CONNECT TO MSCU-1 WITH 2#10,1#10G,1/2"C.
 - PROVIDE CONDUIT FROM MONITOR TO BOX BELOW FOR HDMI CABLES. REFER TO TELECOMMUNICATIONS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 - IN SPACE AVAILABLE IN PANEL "1A" PROVIDE NEW 40/2 CIRCUIT BREAKER AND CONNECT TO AH-1 WITH 2#8,1#10G,3/4"C.
 - IN EXISTING PANEL "HC" REPLACE EXISTING 70/3 CIRCUIT BREAKER SERVING EXISTING AC-2 WITH NEW 60/3 CIRCUIT BREAKER TO SERVE NEW AH-2 AND CONNECT WITH 3#6,1#10G,1"C.
 - IN SPACE AVAILABLE IN PANEL "1A" PROVIDE NEW 25/2 CIRCUIT BREAKER AND CONNECT TO HP-1 WITH 2#12,1#12G,1/2"C.
 - IN EXISTING PANEL "HC" UTILIZE (1) EXISTING 40/3 CIRCUIT BREAKER SERVING CD-2A AND MAKE (1) 40/3 CIRCUIT BREAKER SERVING CD-2B SPARE. CONNECT WITH 3#10,1#10G, AND USE EXISTING CONDUIT TO EXTENT POSSIBLE.
 - IN EXISTING PANEL "HA" REPLACE EXISTING 40/3 CIRCUIT BREAKER SERVING AHU-4 WITH NEW 45/3 CIRCUIT BREAKER AND CONNECT WITH 3#8,1#10G,3/4"C.
 - IN EXISTING PANEL "HA" REPLACE EXISTING 40/3 CIRCUIT BREAKER SERVING HP-4 WITH NEW 25/3 CIRCUIT BREAKER AND CONNECT WITH 3#12,1#12G,1/2"C.
 - NEW CEILING MOUNTED EXHAUST FAN TO REPLACE EXISTING. UTILIZE EXISTING WIRE AND CONDUIT AND RECONNECT NEW FAN AS REQUIRED.
 - IN SPACE AVAILABLE IN PANEL "LC" PROVIDE NEW 20/1 CIRCUIT BREAKER AND CONNECT WITH 2#12,1#12G,1/2"C.
 - CONNECT TO 20/1 SPARE CIRCUIT BREAKER MADE AVAILABLE BY DEMOLITION IN EXISTING PANEL "LB" OR PROVIDE NEW 20/1 CIRCUIT BREAKER AND CONNECT WITH 2#12,1#12G,1/2"C.
 - NEW ROOF MOUNTED EXHAUST FAN TO REPLACE EXISTING. UTILIZE EXISTING WIRE AND CONDUIT AND RECONNECT NEW FAN AS REQUIRED.

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03-21-2011

GENERAL PLAN NOTES:

NEW CEILINGS ARE BEING INSTALLED. RELOCATE ALL EXISTING AND NEW ELECTRICAL CEILING DEVICES TO NEW CEILING AS REQUIRED. UTILIZE EXISTING WIRE AND CONDUIT TO EXTENT POSSIBLE.

NOTE: ALL EXISTING CEILING MOUNTED DEVICES ARE NOT SHOWN ON THIS DRAWING.

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS. SUBMISSION OF BIDS IS CONSIDERED VERIFICATION THAT THE CONTRACTOR HAS VISITED THE SITE. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.

A1 FLOOR PLAN - EXISTING BUILDING - POWER
E2.0 SCALE: 1/8" = 1'-0"

AN ADDITION TO
**GEORGETOWN COUNTY
LIBRARY HEADQUARTERS**
GEORGETOWN, SOUTH CAROLINA

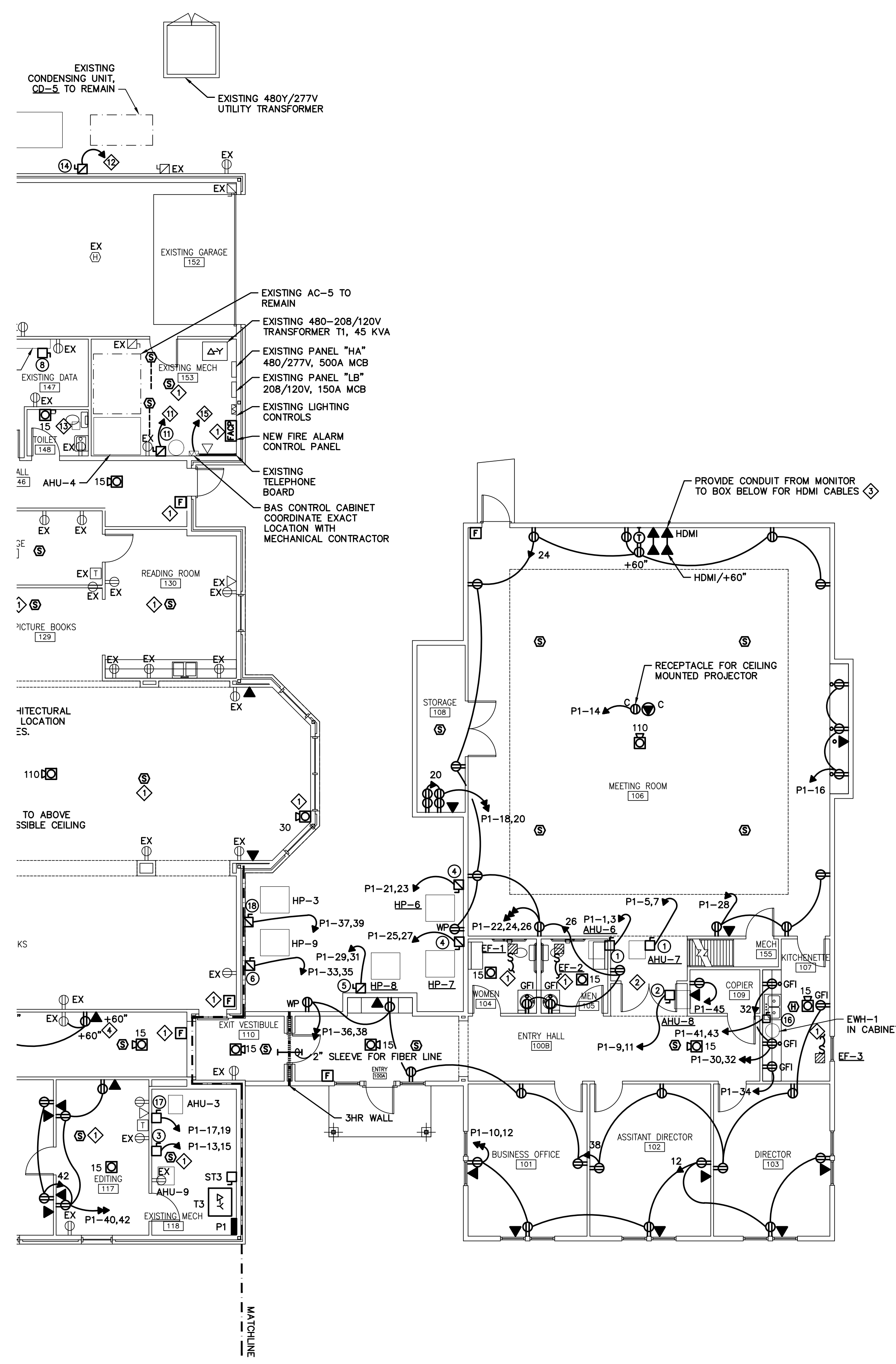
2018-04
03/31/2022
FLOOR PLAN - POWER

E3.0

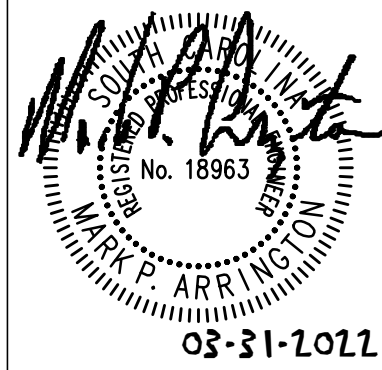
| FIRE RATED WALLS | |
|------------------|-------------|
| --- | 3 HOUR WALL |

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY THE PROPER FIRE-SAFING DETAIL FOR ALL DUCT AND PIPE PENETRATIONS THRU RATED & NON-RATED WALL AND FLOOR/CEILING ASSEMBLIES.

- NOTES:**
- ◇ INTERLOCK EXHAUST FAN WITH LIGHTING CONTROLS SERVING THIS ROOM. FAN SHALL RUN WHEN LIGHTS ARE ON.
 - ◇ AHU UNITS 6, 7 AND 8 ARE LOCATED ABOVE CEILING ON A PLATFORM.
 - ◇ REFER TO TELECOMMUNICATIONS RISER DIAGRAM FOR ADDITIONAL INFORMATION.



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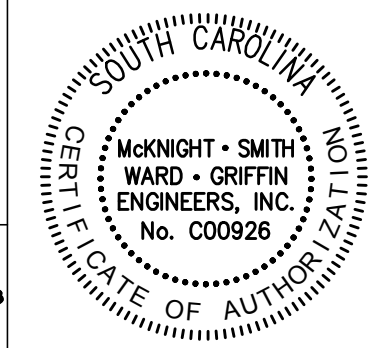


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| REVISION | DATE |
| | 03-31-2011 |

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| |
|--------------------|
| 2018-04 |
| 03/31/2022 |
| FLOOR PLAN - POWER |



E3.1

