

RENOVATION & ADDITION NORTH MAIN ANNEX

115 NORTH MAIN STREET
STATESBORO, GA 30458

CONTACTS

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GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF INTERNATIONAL BUILDING CODE AND NFPA 101 2018.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS.
- GENERAL CONTRACTOR SHALL COORDINATE THE HARDWARE SCHEDULE WITH THE OWNER.
- PROVIDE TERMITE TREATMENT BENEATH THE BUILDING CONCRETE SLABS AND AGAINST ALL SIDES OF FOUNDATION WALLS AND PIERS.
- ALL WORK TO CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE - 2018 (IBC-2018)
- WINDOWS, GLASS DOORS, & SKYLIGHTS SHALL BE APPROVED AND INSTALLED TO COMPLY WITH BOTH NEGATIVE AND POSITIVE PRESSURES AS REQUIRED BY SSTD 10-SS. DOCUMENTATION OF COMPLIANCE SHALL BE AVAILABLE ON SITE FOR EACH WINDOW, DOOR, OR SKYLIGHT AT THE FRAMING INSPECTION. (SSTD TABLE 602A1, 602A2, 602A3)

SITE PREPARATION REQUIREMENTS AT BUILDING:

- PRIOR TO CONSTRUCTION, ALL BUILDING AREA PLUS AT LEAST 10 FEET ON EACH SIDE AND ALL AREAS TO BE PAVED, SHOULD BE STRIPPED OF ALL VEGETATION, TOP SOIL AND ROOT SYSTEMS.
- SITE DRAINAGE SHOULD BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITHIN THE CONSTRUCTION AREA AND TO FACILITATE THE RAPID RUN-OFF OF STORM WATER.
- ANY STUMP HOLES OR OTHER DEPRESSIONS SHOULD BE CLEARED OF LOOSE MATERIAL AND DEBRIS AND SHOULD THEN BE BACK FILLED WITH APPROVED FILL. THE BACK FILL SHOULD BE PLACED IN SIX INCH THICK LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.
- ANY UTILITIES THAT UNDERLIE THE SITE SHOULD BE RELOCATED AND THE TRENCHES BACK FILLED WITH APPROVED SOIL. THE BACK FILL SHOULD BE PLACED IN SIX INCH THICK LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.
- THE SLAB GRADE SHOULD BE PROOF ROLLED WITH A LOADED DUMP TRUCK TO LOCATE UNSTABLE OR SOFT AREAS. THESE AREAS SHOULD THEN BE INVESTIGATED TO DETERMINE THE CAUSE OF THE INSTABILITY. IF DUE TO UNSTABLE SOILS, SUCH AS HIGHLY ORGANIC SOILS OR SOFT CLAYS, THE AREA SHOULD BE UNDERCUT TO FIRM SOIL AND REPLACED WITH APPROVED FILL COMPACTED IN SIX INCH LIFTS TO A MINIMUM DENSITY OF 95% IN ACCORDANCE WITH ASTM-D-1557. IF THE INSTABILITY IS DUE TO EXCESS MOISTURE IN OTHERWISE SUITABLE SOIL, THE AREA SHOULD BE DRAINED AND COMPACTED THE 95% DENSITY.
- ANY FILL REQUIRED TO LEVEL OR RAISE THE SITE SHOULD THEN BE PLACED IN 6 TO 10 INCH THICK LOOSE LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.
- ALL OF THE FILL FOR THIS PROJECT SHOULD CONSIST OF A CLEAN, FREE DRAINING SAND WITH A MINIMUM OF 15% FINES. THIS FILL SHOULD BE FREE OR OBJECTIONABLE ROOTS, CLAY LUMPS, AND DEBRIS.
- ALL FOOTING EXCAVATIONS SHOULD BE CHECKED WITH A HAND PENETROMETER TO VERIFY THE SOIL BEARING. AREAS THAT ARE DETERMINED TO BE DEFICIENT SHOULD BE UNDERCUT TO FIRM SOIL AND BACK FILL WITH CLEAN SAND, CRUSHED STONE OR FLOWABLE FILL.
- THE FOOTING EXCAVATIONS AND ALL OF THE PREPARED SLAB SUB GRADE SHOULD BE MAINTAINED IN A DRY AND COMPACTED CONDITION UNTIL THE CONCRETE IS PLACED. AREAS THAT ARE SOFTENED BY WATER OR BY CONSTRUCTION ACTIVITY SHOULD BE REWORKED AND RE-COMPACTED TO THE REQUIRED DENSITY AND BEARING.

PLUMBING NOTES:

- ALL WORK SHALL CONFIRM TO ALL LOCAL STATE AND FEDERAL CODES INCLUDING THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE.
- PROVIDE HOT AND/OR COLD WATER CUT-OFF VALVES AT EACH PLUMBING FIXTURE.
- PAINT ALL VENTS WITH RUST INHIBITED PAINT ABOVE ROOF. COLOR TO MATCH COLOR OF ROOF.

HVAC NOTES:

- ALL WORK SHALL CONFIRM TO ALL LOCAL STATE AND FEDERAL CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE EQUIPMENT INSTALLATION WITH THE STRUCTURE AND WITH THE FINISH CONDITION OF THE BUILDING.
- DUCT WORK SHALL BE PROVIDED AND INSTALLED PER S.M.A.C.S.A. SPECIFICATION.
- SUPPLY AIR DUCT TO BE WRAPPED WITH 2" FOILED BACK INSULATION AND TAPED WITH FOIL TAPE.

ELECTRICAL NOTES:

- ALL WORK SHALL CONFIRM TO ALL LOCAL STATE AND FEDERAL CODES, INCLUDING THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
- CONTRACTOR SHALL LABEL ALL CIRCUIT BREAKERS IN THE ELECTRICAL PANEL WITH TYPED LABELS.
- CONTRACTOR SHALL COORDINATE ALL FIXTURE TYPES WITH OWNER.

FOUNDATION NOTES:

- CONCRETE SHALL DEVELOP 3000 PSI AT 20 DAYS. FLYASH IS NOT ALLOWED IN THE CONCRETE MIX.
- CONCRETE SHALL BE POURED AT A MINIMUM SLUMP OF 4". WATER WILL NOT BE ADDED AT THE JOB SITE, CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE AND MATERIAL TESTING IN ACCORDANCE WITH AC: 318.
- COMPACTION REQUIREMENTS: COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1997.
- SOIL BEARING VALUE: 1500 PSF (TO BE VERIFIED BY CONTRACTOR)
- REINFORCEMENT SHALL CONFIRM TO ASTM A, SEE STRUCTURAL.
- LAP CONTINUOUS BARS 44 BAR DIAMETERS, PROVIDE CORNER BARS AT CORNERS.
- MINIMUM CONCRETE PROTECTION OF REINFORCING STEEL, UNLESS OTHERWISE NOTED:
FOOTING (BOTTOM AND SIDES) 3" CLEAR
PIERS OR COLUMNS BELOW GRADE 3" CLEAR
PIERS OR COLUMNS ABOVE GRADE 1-1/2" CLEAR
BEAMS 2" CLEAR
SLABS 1" CLEAR
- CONCRETE SLAB ON GRADE TO BE 4" WITH W/6x6-W1.4W1.4 WWF ON 10 ML VAPOR BARRIER ON 6" COMPACTED SAND
- VERIFY FINISH FLOOR ELEVATION WITH THE SITE PLAN.
- BOTTOM OF ALL FOOTINGS SHALL BE 12 INCHES MINIMUM BELOW FINISH GRADE, SEE FOUNDATION PLAN FOR ELEVATION OF TOP OF FOOTINGS.
- SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR EQUIPMENT IN AND BENEATH THE SLAB.
- STEP FOOTINGS BELOW THE PLUMBING LINES, COORDINATE LINE DEPTH AND LOCATION WITH THE PLUMBING CONTRACTOR.
- SJ - INDICATES SAW CUT FLOOR JOINT.
KJ - GALVANIZED KEY JOINT
FEJ - PREMOLDED EXPANSION JOINT 1/2" THICK UNLESS NOTED OTHERWISE.
SAWCUTS SHALL BE MADE AT THE TIME OF THE FINAL FINISHING OF THE CONCRETE SLAB BY A SOFT-CUT CONCRETE SAW AS SPECIFIED BY THE MANUFACTURER.
- ALL CONCRETE WORK SHALL CONFIRM TO A.C.I. 301 REQUIREMENTS.
- INDUSTRIAL AND WAREHOUSE FLOORS TO BE WET CURED FOR A MINIMUM OF 7 DAYS, CURING COMPOUNDS ALLOWED ELSEWHERE.
- SEE ELECTRICAL DRAWINGS FOR GROUNDING REQUIREMENTS.
- ALL WORK TO CONFORM TO THE REQUIREMENTS OF THE FOLLOWING:
WINDOWS, GLASS DOORS, & SKYLIGHTS SHALL BE APPROVED AND INSTALLED TO COMPLY WITH BOTH NEGATIVE AND POSITIVE PRESSURES AS REQUIRED BY SSTD 10-99. DOCUMENTATION OF COMPLIANCE SHALL BE AVAILABLE ON SITE FOR EACH WINDOW, DOOR, OR SKYLIGHT AT THE FRAMING INSPECTION (SSTD TABLE 602A1, 602A2, 602A3)
- DESIGN CRITERIA:
SEE STRUCTURAL

BRICK NOTES:

- MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES.
- WHERE VENEER IS ANCHORED TO WOOD BACKINGS BY CORRUGATED SHEET METAL TIES, THE DISTANCE SEPARATING THE VENEER FROM THE SHEATHING MATERIAL SHALL BE A MAXIMUM OF A NOMINAL INCH. WHERE VENEER IS ANCHORED TO WOOD BACKINGS USING METAL STRAND WIRES, THE DISTANCE SEPARATING THE VENEER FROM THE SHEATHING MATERIAL SHALL BE A MAXIMUM OF 4-1/2 INCHES.
- VENEER TIES, IF STRAND WIRE, SHALL NOT BE LESS IN THICKNESS THAN NO. 22 U.S. GAUGE WIRE AND SHALL HAVE A HOOK EMBEDDED IN THE MORTAR JOINT, OR IF SHEET METAL, SHALL NOT BE LESS THAN NO. 22 U.S. GAUGE BY 7/8" CORRUGATED.
- EACH TIE SHALL BE SPACED NOT MORE THAN 24" O.C. HORIZONTALLY AND VERTICALLY, AND SHALL NOT SUPPORT MORE THAN 2.67 SQUARE FEET OF WALL AREA.
- ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16" IN EITHER DIMENSION. METAL TIES AROUND THE PERIMETER OR OPENINGS SHALL BE SPACED NOT MORE THAN 3' O.C. AND PLACED WITHIN 12" OF THE WALL OPENING.
- THE VENEER SHALL BE SEPARATED FROM THE SHEATHING BY AN AIR SPACE OF A MIN. OF 1" BUT NOT MORE THAN 4".
- WEEPHOLES SHALL BE PROVIDED IN THE OUTSIDE WYTHE OF MASONRY WALLS AT MAX. SPACING OF 4' O.C. WEEPHOLES SHALL NOT BE LESS THAN 3/16" IN DIAMETER. WEEPHOLES SHALL BE LOCATED IMMEDIATELY ABOVE THE FLASHING.
- THE BRICK LINTEL IS TO BE A 16X6X3/16 (LLV). END BEARING @ EACH END OF STEEL LINTELS SHALL BE 1" PER FOOT OF SPAN BUT NOT LESS THAN 4" EACH END. FILL THE VOID WITH MORTAR.
- STEEL LINTELS SHALL BE PRIMED PRIOR TO BEING INSTALLED AND SHALL BE FINISH PAINTED TO MATCH WINDOW OR EXTERIOR COLOR SCHEMES.

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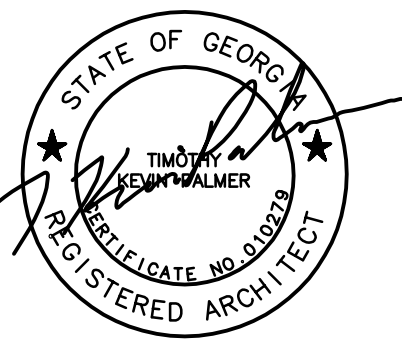


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RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

#	DATE

TITLE SHEET

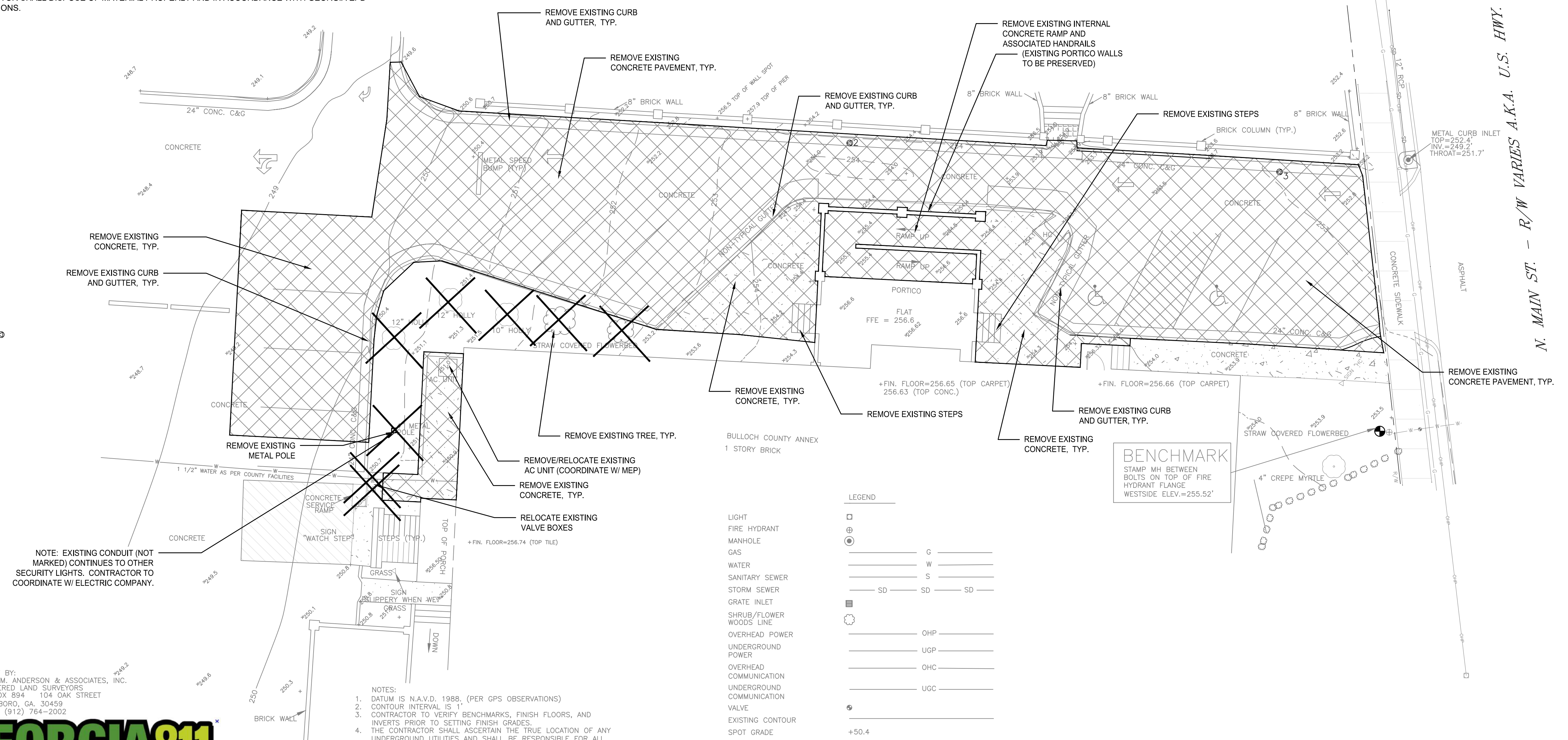
T1.0

DEMOLITION NOTES:

- TREE STUMPS WITHIN THE CRITICAL ROOT ZONE OF TREES TO BE SAVED SHALL BE GROUND TO A DEPTH OF 6 INCHES BELOW EXISTING GRADE IF WITHIN LANDSCAPED AREAS.
- SILT FENCE SHALL BE INSTALLED ALONG LIMITS OF CLEARING AS SHOWN ON ES&PC PLAN AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO CLEARING OPERATIONS.
- DEMOLITION TO CONSIST OF THE REMOVAL AND SUBSEQUENT OFFSITE DISPOSAL OF EXISTING BUILDINGS, EXISTING BUILDING FOUNDATIONS, ASPHALT PAVING, CONCRETE CURB AND GUTTER, SIDEWALKS, CANOPIES, TREES, SHRUBS, AND OTHER MISCELLANEOUS ITEMS AS INDICATED ON PLANS.
- DEMOLITION OPERATIONS AND DEBRIS REMOVAL SHALL BE CONDUCTED IN A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
- CONTRACTOR SHALL LOCATE, IDENTIFY, STUB-OFF, AND DISCONNECT UTILITY SERVICES THAT ARE NOT INDICATED TO REMAIN. ALL UNUSED WATER LATERALS SHALL BE TERMINATED AND PLUGGED AT THE MAIN.
- COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION WORKS. PRIOR TO FILLING, SUBGRADE IS TO BE CLEARED TO DRY UNDISTURBED NATURAL GROUND OR EXISTING COMPACTED FILL. PROVIDE FILL CONSISTING OF APPROVED EARTH, GRAVEL OR SAND, FREE OF TRASH AND DEBRIS, ONES OVER 6" DIAMETER, ROOTS OR OTHER ORGANIC MATTER. CONTROLLED FILL SHALL BE REPLACED IN LAYERS NOT TO EXCEED 6" IN DEPTH AND COMPACTED TO 98% MAXIMUM DRY WEIGHT PER AASHTO D-698.
- ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES. EXCEPT AS NOTED BELOW, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE LINES FROM STREET MAINS ABUTTING PROPERTY WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS.
- ALL EXISTING IMPROVEMENTS THAT EXIST ON THE SITE WITHIN THE LIMITS OF CONSTRUCTION AND INTERFERE WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED BY THE CONTRACTOR WHETHER SHOWN ON CONSTRUCTION DOCUMENTS OR NOT.
- CONTRACTOR SHALL DISPOSE OF MATERIAL PROPERLY AND IN ACCORDANCE WITH GEORGIA EPD REGULATIONS.

CONTROL POINT CHART

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	892259.260	774139.391	248.05	CP PKNS
2	892291.592	774282.592	253.93	CP PKNS
3	892286.728	774355.139	252.95	CP PKNS



SURVEY BY:
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STATESBORO, GA, 30459
PHONE: (912) 764-2002

GEORGIA811
Utilities Protection Center, Inc.

Know what's below.
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- NOTES:
- DATUM IS N.A.V.D. 1988, (PER GPS OBSERVATIONS)
 - CONTOUR INTERVAL IS 1'
 - CONTRACTOR TO VERIFY BENCHMARKS, FINISH FLOORS, AND INVERTS PRIOR TO SETTING FINISH GRADES.
 - THE CONTRACTOR SHALL ASCERTAIN THE TRUE LOCATION OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED BY THE DESTRUCTION OF ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON. FIELD VERIFICATION IS REQUIRED FOR ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
 - THE ARCHITECT AND CONTRACTOR SHALL REVIEW ALL AVAILABLE PREVIOUS CONSTRUCTION DOCUMENTS FOR LOCATION OF ANY ADDITIONAL INFORMATION ON EXISTING UTILITIES SHOWN OR NOT SHOWN.
 - UNDERGROUND UTILITIES AS PER GEORGIA UTILITIES PROTECTION CENTER TICKET #220209-004732.



EXISTING CONDITIONS
AND DEMOLITION PLAN
PE22132



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C1.0

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STAKING AND UTILITY PLAN
PE22132

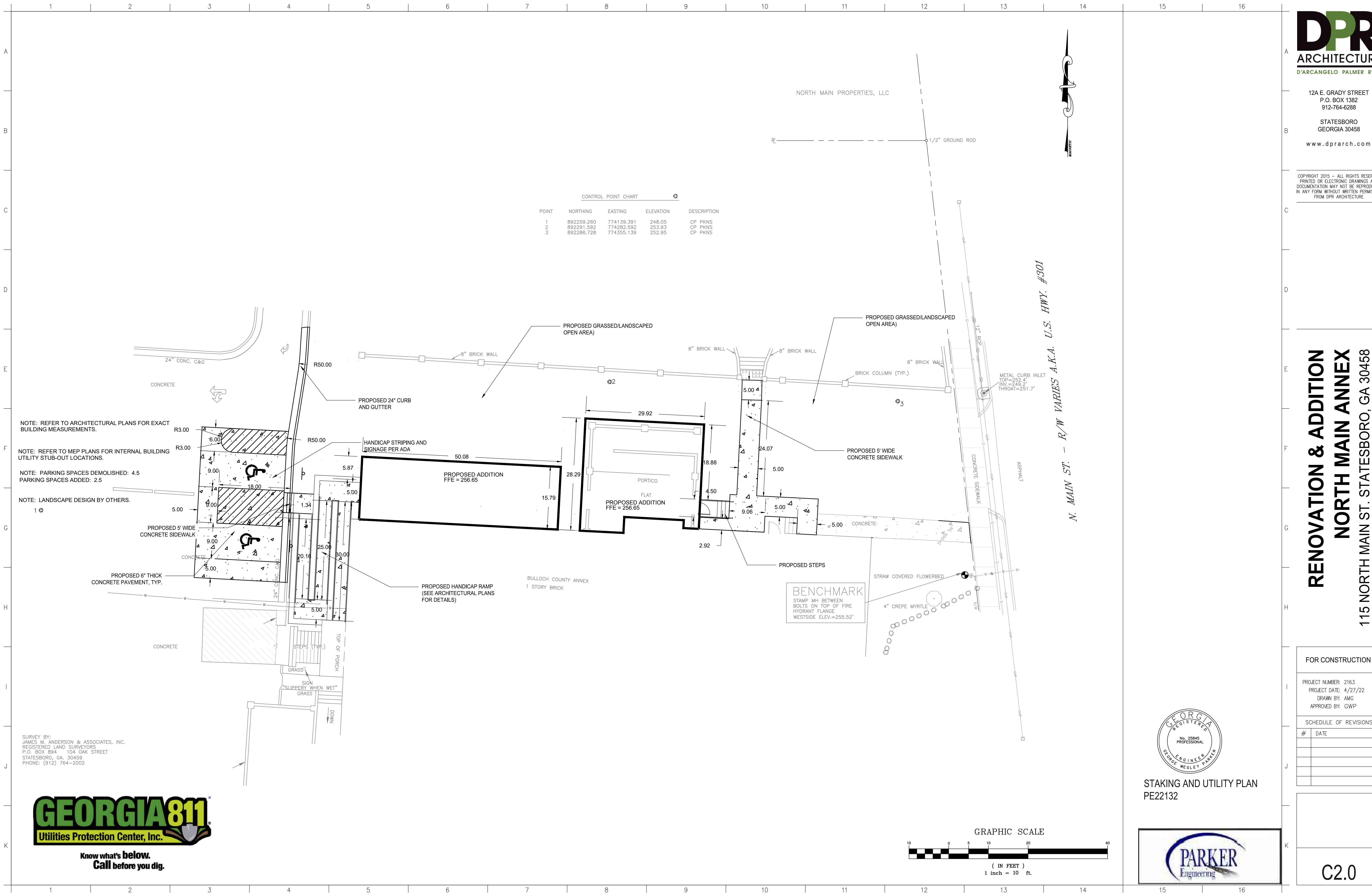


C2.0

CONTROL POINT CHART

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	892259.260	774139.391	248.05	CP PKNS
2	892291.592	774282.592	253.93	CP PKNS
3	892286.728	774355.139	252.95	CP PKNS

N. MAIN ST. - R/W VARIES A.K.A. U.S. HWY. #301

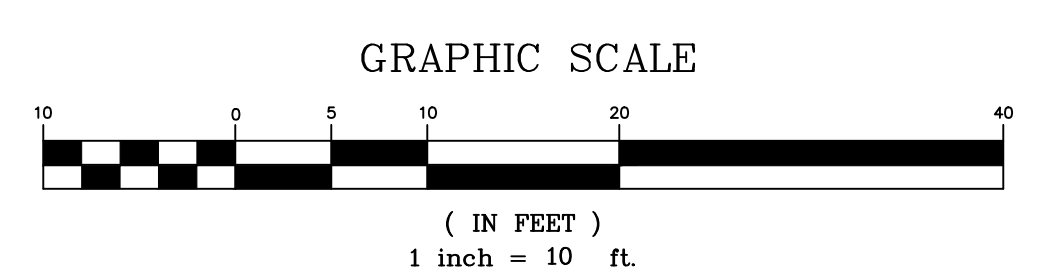


NOTE: REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING MEASUREMENTS.
NOTE: REFER TO MEP PLANS FOR INTERNAL BUILDING UTILITY STUB-OUT LOCATIONS.
NOTE: PARKING SPACES DEMOLISHED: 4.5
PARKING SPACES ADDED: 2.5
NOTE: LANDSCAPE DESIGN BY OTHERS.
1

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C3.0



PAVING, GRADING
AND DRAINAGE PLAN
PE22132



NORTH MAIN PROPERTIES, LLC

1/2" GROUND ROD

N. MAIN ST. - R/W VARIES A.K.A. U.S. HWY. #301

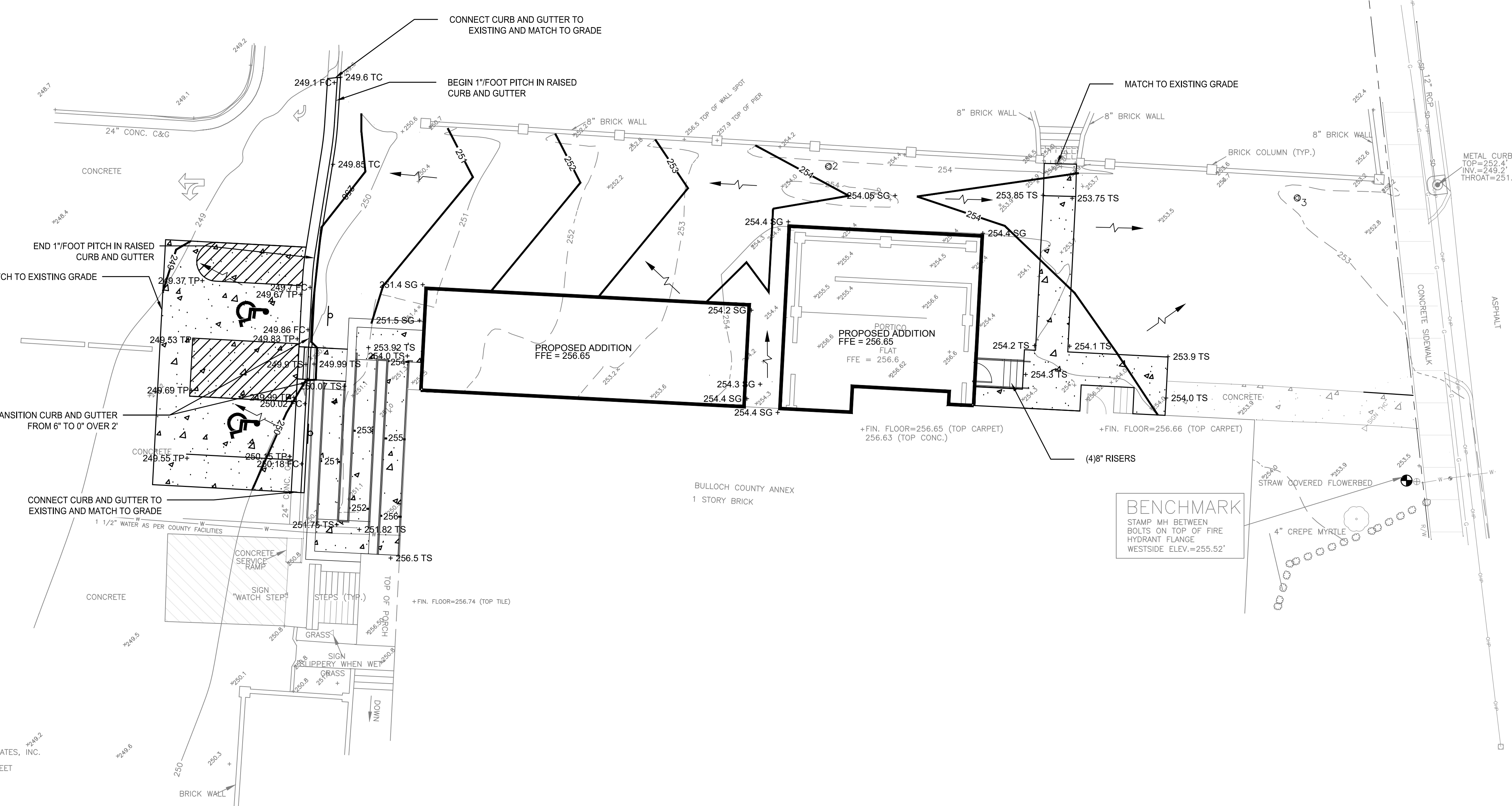
CONTROL POINT CHART

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2	892291.592	774282.592	253.93	CP PKNS
3	892286.728	774355.139	252.95	CP PKNS

NOTE: TOTAL IMPERVIOUS SURFACE REMOVED: 0.14 ACRES
TOTAL IMPERVIOUS SURFACE ADDED: 0.08 ACRES
NET IMPERVIOUS SURFACE DECREASE = 0.06 ACRES

SPOT GRADES LEGEND

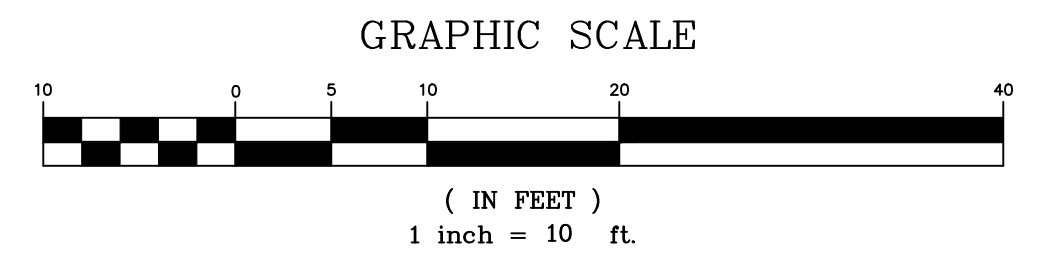
+XXX.X TS	TOP OF SIDEWALK
+XXX.X FC	FACE OF CURB (BOTTOM)
+XXX.X SG	SPOT GRADE
+XXX.X TP	TOP OF PAVEMENT
+XXX.X TC	TOP OF CURB



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VEGETATIVE PLAN FOR DISTURBED AREAS

All bare areas resulting from construction operations will be established to perennial vegetation as soon as possible after final grading is complete.

SEEDBED

Prepare seedbed to a depth of at least 4 inches on all areas where a good seedbed is not present. Remove rocks, roots, or other objects that will interfere with vegetation establishment or maintenance operations.

FERTILIZER

Apply agricultural lime at the rate of 1 ton per acre. Apply 1000 lbs. 15-15-15 fertilizer per acre. Spread lime and fertilizer uniformly over all areas immediately before final land preparation and mix thoroughly with the soil. Apply topdressing of 100 lbs. per acre of ammonium nitrate (or equivalent) when plants are 2 to 4 inches tall.

PLANTING

All areas shall be seeded with the following:

NOVEMBER-MARCH

- Rye (Temporary Grassing)/Bermuda Mixture (Permanent Grassing)
- Rye @ 1/2 bushel (3.9 lbs.) per acre
- Unhulled Bermuda @ 10 lbs. per acre

MARCH-NOVEMBER

- Browntop Millet (Temporary Grassing)/Bermuda Mixture (Permanent Grassing)
- Browntop Millet @ 10 lbs. per acre
- Hulled Bermuda @ 10 lbs. per acre

MULCHING

2 Tons per acre of straw. Anchor mulch into ground. Mulch shall be approximately 1-2 inches thick.

MAINTENANCE

Apply 400 lbs. per acre or 10-10-10 fertilizer and topdress with 30 lbs. of ammonium nitrate per acre every year. Apply 1 ton of lime per 5 years.

PROVIDE VEGETATION AND MULCHING TO ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING. LAND CLEARING SHALL BE KEPT TO A MINIMUM AND SHALL BE ACCOMPLISHED IN A WAY TO MINIMIZE EROSION. SCHEDULE LAND DISTURBING ACTIVITIES WITH REGARD TO WEATHER FORECAST TO LIMIT EXPOSURE OF UNPROTECTED LAND FROM WIND, RAIN AND OTHER EROSION FORCES.

GENERAL EROSION CONTROL NOTES

THIS SITE IS NOT LOCATED WITHIN A FLOOD ZONE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT ALL STAGES OF CONSTRUCTION.

CONSTRUCTION OR LAND CLEARING SHALL BEGIN WITH THE INSTALLATION OF EROSION CONTROL MEASURES.

SEDIMENT CONTROL WILL BE ACHIEVED BY USE OF SEDIMENT INLET TRAPS, SILT FENCE, SEDIMENT BASIN AND A CONSTRUCTION EXIT. REMOVE ACCUMULATED SILT FROM SILT FENCE AND CHECK DAMS WHEN THEY REACH .5' IN DEPTH.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES DAILY AND AFTER ALL RAIN EVENTS. ANY DAMAGES SHOULD BE REPAIRED BY THE END OF THE DAY. SEDIMENT DISPOSAL SHALL BE ACCOMPLISHED BY SPREADING EVENLY OVER THE SITE. SEDIMENT FENCES SHALL REMAIN UNTIL THE AREA IS STABILIZED.

EROSION CONTROL MEASURES IN THE PLAN ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROL MEASURES AS DETERMINED BY ACTUAL FIELD CONDITIONS.

ALL RIP-RAP SHALL BE INSTALLED FLUSH WITH CHANNEL BANKS AND BOTTOM.

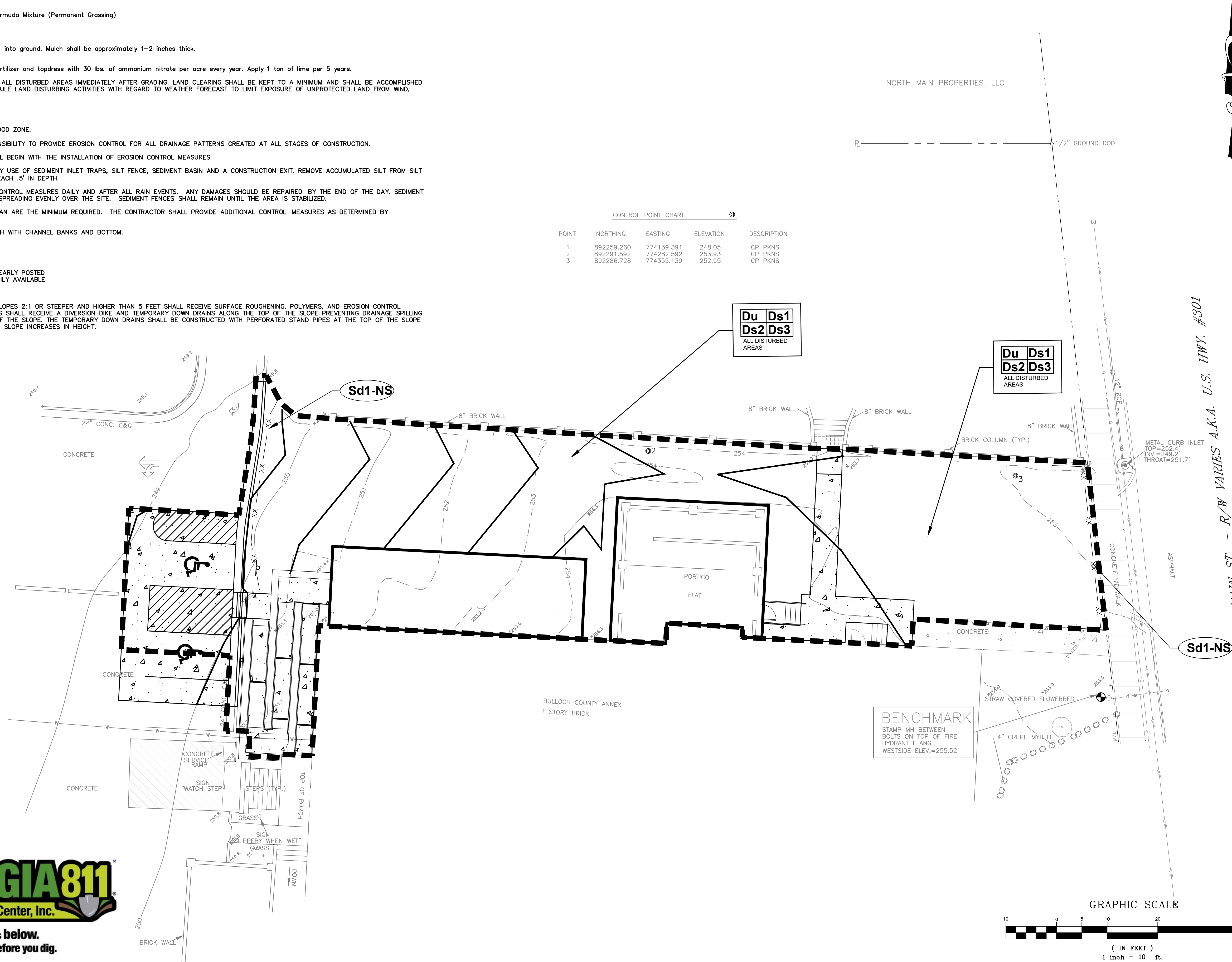
SPILL CONTINGENCY PLAN

- A. CONTAIN THE SPILL
- B. STOP THE SOURCE
- C. CLEANUP PROCEDURES SHALL BE CLEARLY POSTED
- D. CLEANUP MATERIALS SHALL BE READILY AVAILABLE

NOTES REGARDING CRITICAL WORK ZONE

AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	892259.260	774139.391	248.05	CP PKNS
2	892291.592	774282.592	253.93	CP PKNS
3	892286.728	774355.139	252.95	CP PKNS



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**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

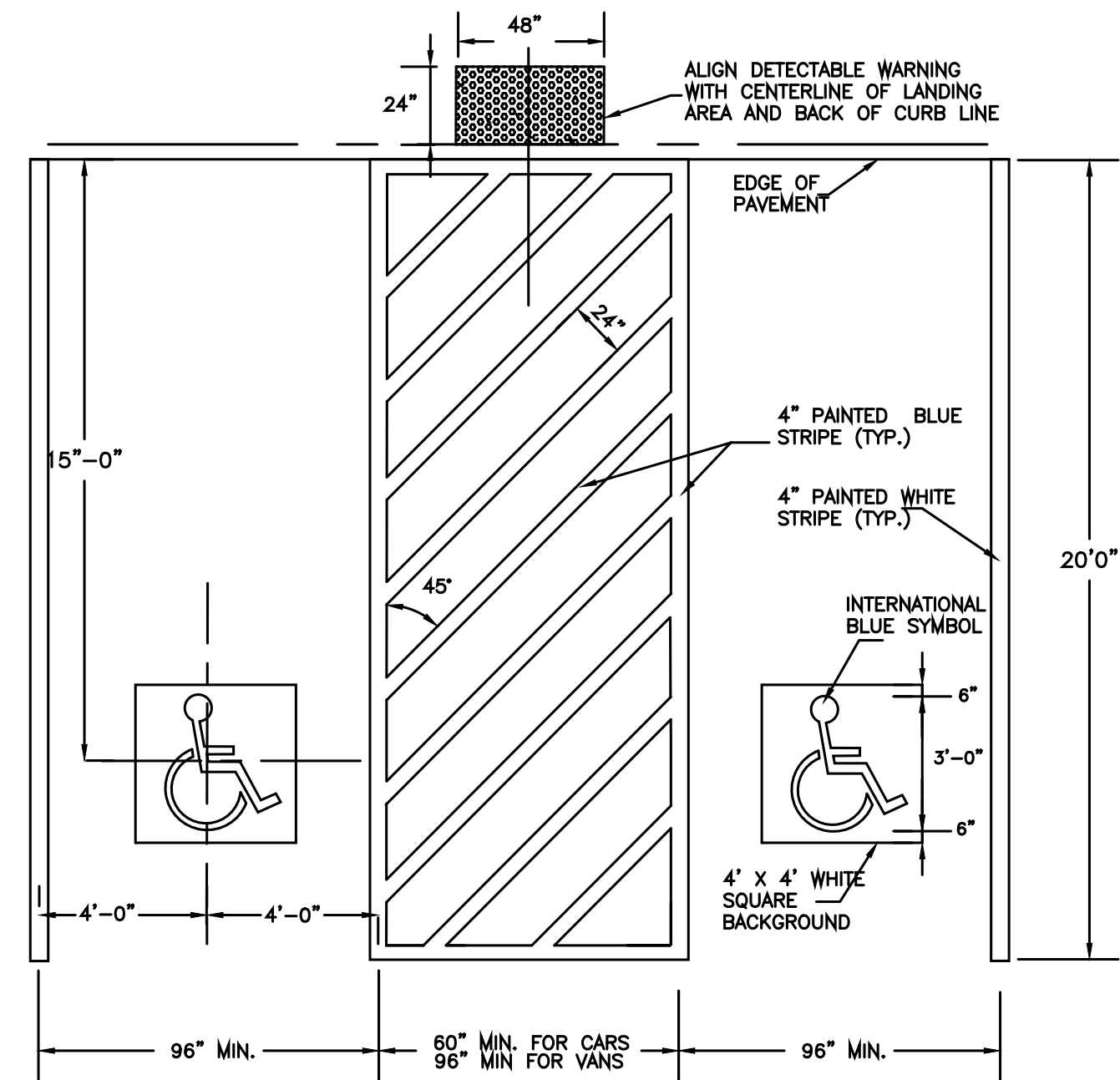
FOR CONSTRUCTION	
PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	AMG
APPROVED BY:	GWFP
SCHEDULE OF REVISIONS	
#	DATE



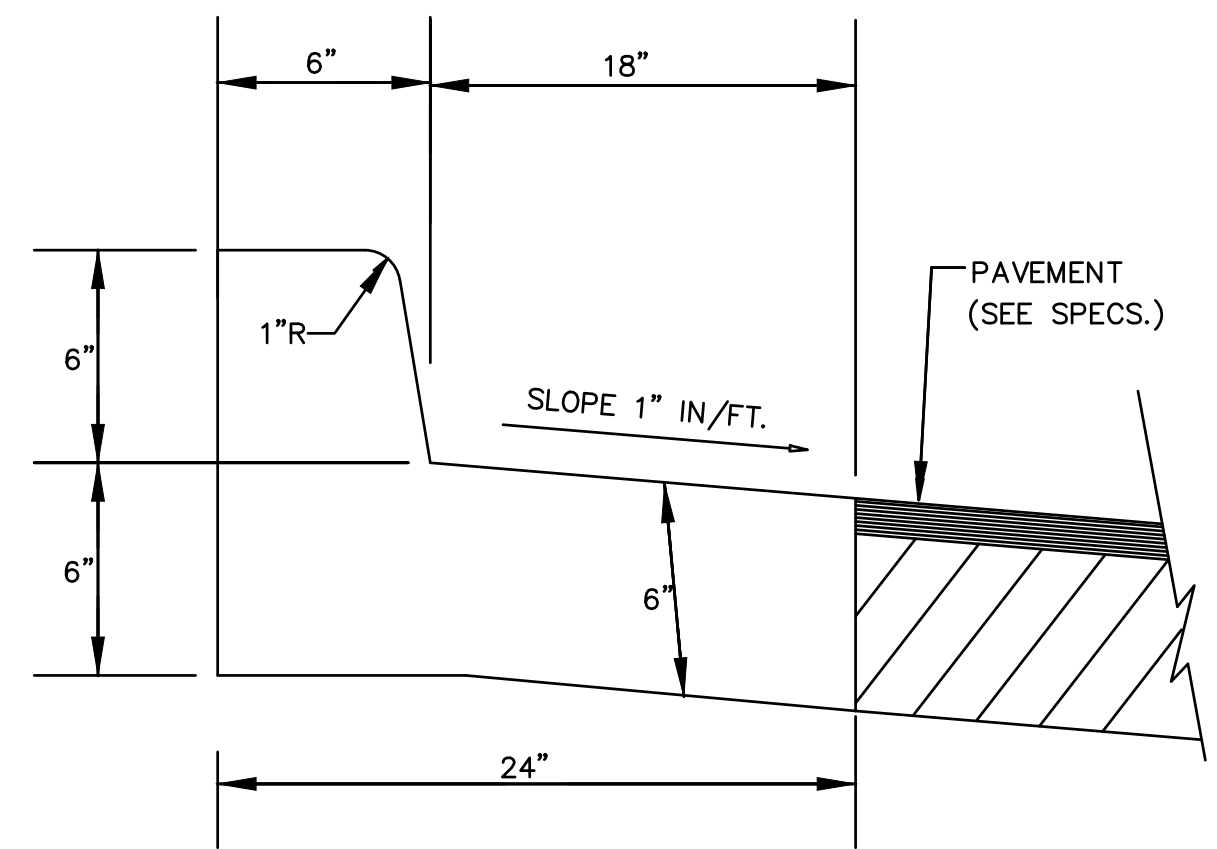
EROSION CONTROL PLAN
PE22132



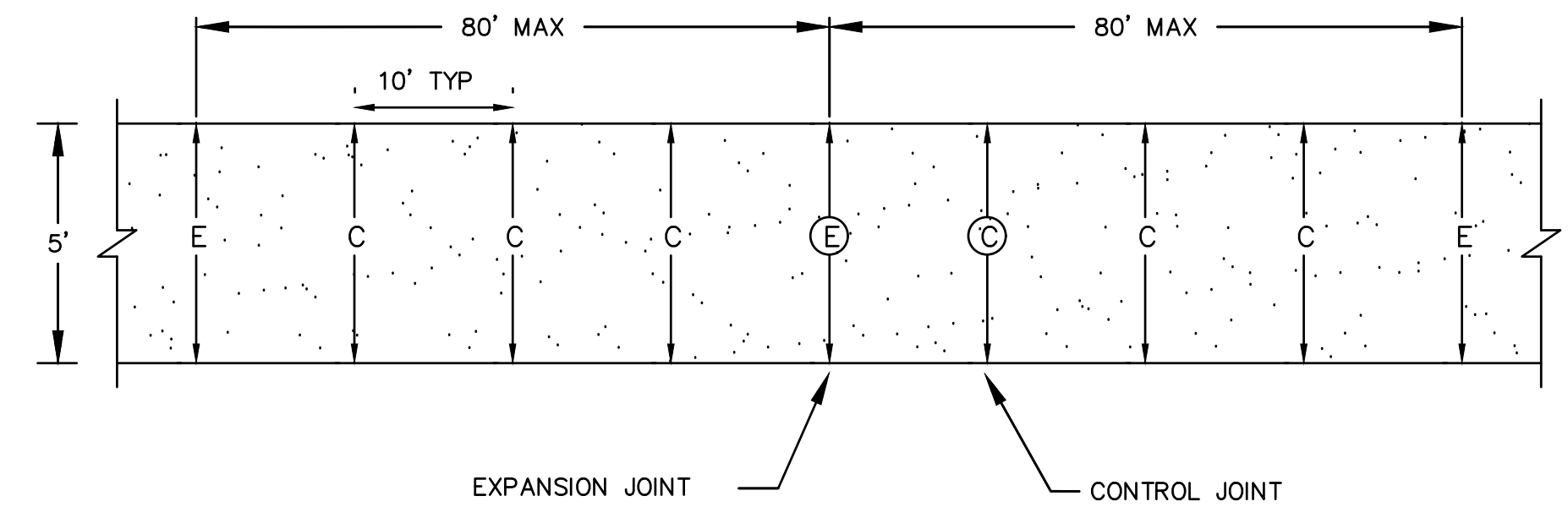
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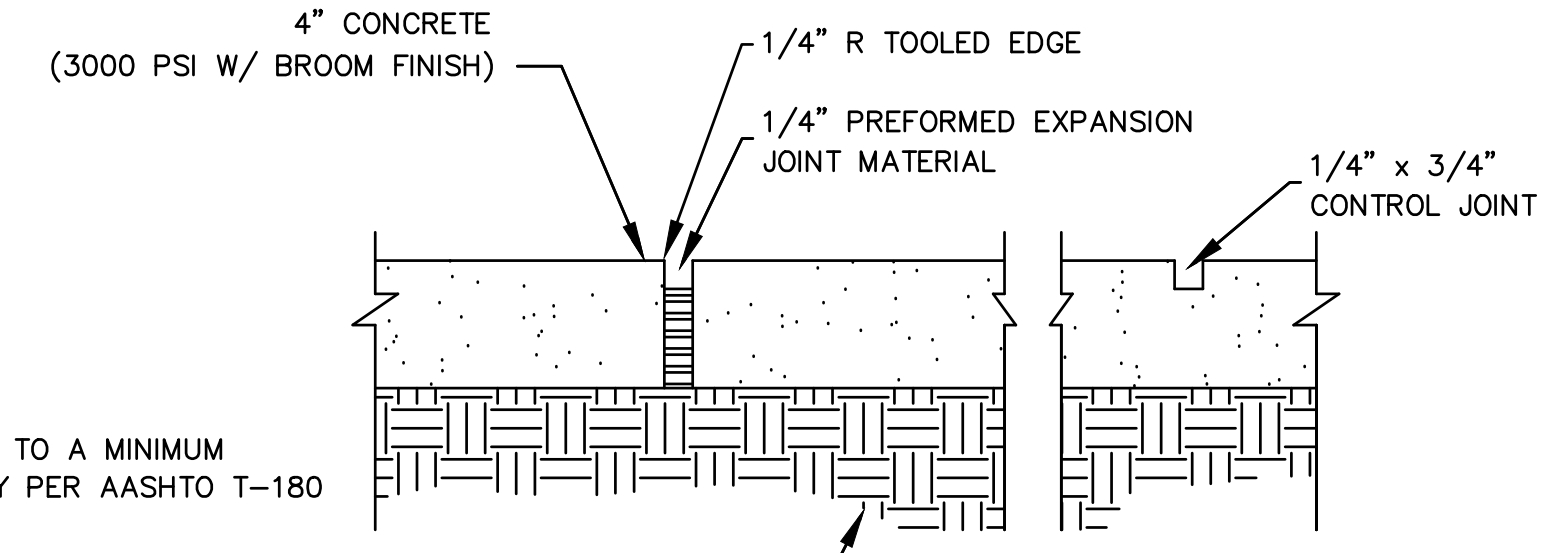
NOTE:
STRIPING AND CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE
FEDERAL, STATE, AND LOCAL CODES AND SPECIFICATIONS.
HANDICAP PARKING SPACE STRIPING
NOT TO SCALE



24" PITCHED CURB AND GUTTER DETAIL
NTS

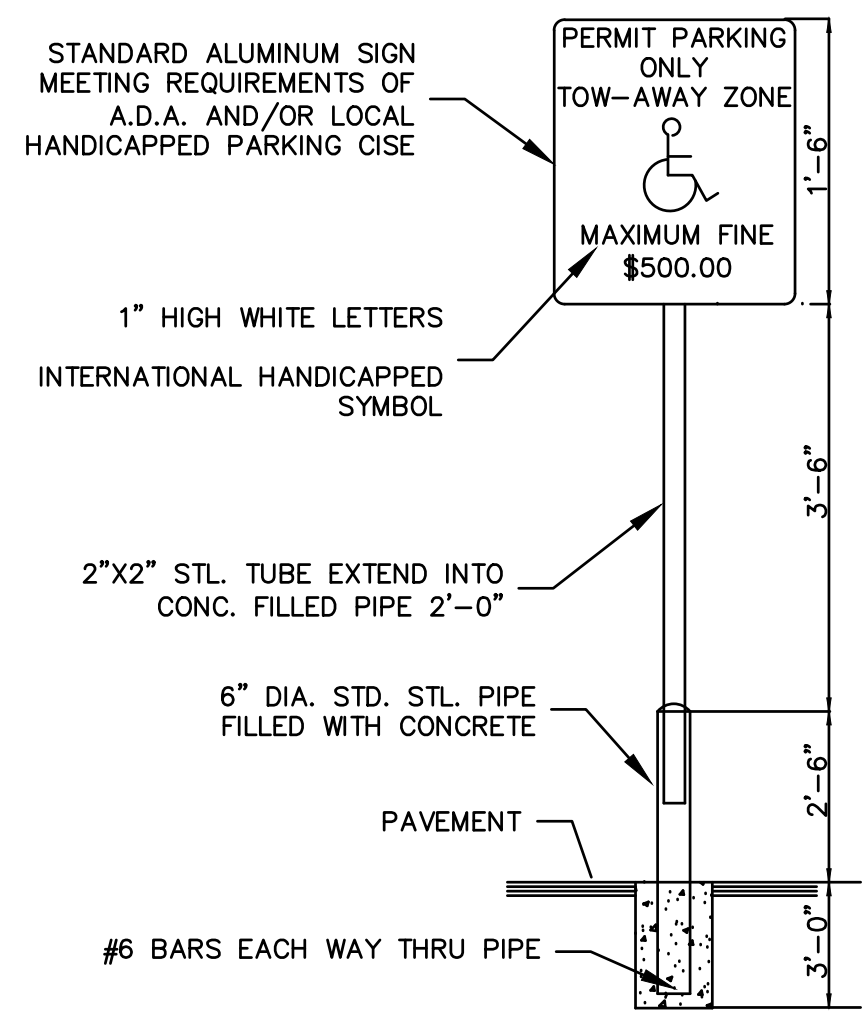


NOTE:
1. EXCEPT WHERE SHOWN ON THE PLANS,
ALL NEW CONCRETE WALKS SHALL HAVE JOINTS
SPACED AS SHOWN IN THESE DETAILS
2. AN EXPANSION JOINT SHALL BE USED TO
SEPARATE THE NEW CONCRETE WALK FROM OTHER
NEW OR EXISTING CONCRETE CONSTRUCTION

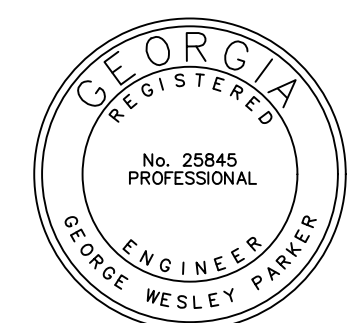


NOTE:
1. SUBGRADE COMPACTED TO A MINIMUM
98% MAXIMUM DRY DENSITY PER AASHTO T-180

CONCRETE SIDEWALK DETAIL
NTS



TYPICAL HANDICAPPED SIGN
N.T.S.



CONSTRUCTION DETAILS
PE22132



FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: GWP

SCHEDULE OF REVISIONS

#	DATE

C5.0

1. THE APPLICABLE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN CHECKLIST IS ENCLOSED WITH THESE PLANS.
 2. THE LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL IS SHOWN ON ALL EROSION CONTROL SHEETS.

GSWCC LEVEL II CERTIFIED DESIGN PROFESSIONAL
GEORGE WESLEY PARKER
 0000033463 05/04/2022
 LEVEL II CERTIFICATION NUMBER EXPIRES

3. THIS SITE DOES NOT DISTURB MORE THAN 50 ACRES AT ONE TIME.
 4. 24-HOUR CONTACT - RANDY NEWMAN
 912-489-1356
 PRIMARY PERMITEE / OWNER - BULLOCH COUNTY BOARD OF COMMISSIONERS
 C/O RANDY NEWMAN
 113 N MAIN ST ST 101
 STATESBORO, GA 30458
 912-489-1356
 6. TOTAL ACREAGE - 2.04 ACRES
 DISTURBED ACREAGE - 0.20 ACRES
 7. CONSTRUCTION EXIT LOCATION: LATITUDE 32.4526 ° N LONGITUDE -81.7837 ° W
 8. SEE ALL SHEETS FOR INITIAL DATE OF THE PLAN AND ANY DATES OF REVISIONS MADE TO THE PLAN.
 9. CURRENT LAND USE - TAX OFFICE
 PROPOSED CONSTRUCTION ACTIVITY - MODIFIED TAX OFFICE WITH ASSOCIATED SITE IMPROVEMENTS

10. I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

G. WESLEY PARKER

13. "I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."


G. WESLEY PARKER

14. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETERS CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
 15. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE JOINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
 16. NO BUFFER IS REQUIRED.
 17. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
 18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
 19. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
 20. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
 21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
 22. THIS SITE DOES NOT DISCHARGE STORM WATER INTO AN IMPAIRED STREAM SEGMENT.
 23. THIS SITE DOES NOT DISCHARGE WATER INTO AN IMPAIRED STREAM SEGMENT.
 24. NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WATER ONSITE.

ACCESS TO A WASHOUT PIT AREA IS UNAVAILABLE; THEREFORE, WASHDOWN INTO A WHEELBARROW OR CONTAINER IS REQUIRED. THE WHEELBARROW OR CONTAINER SHALL BE DISPOSED OF IN A LEGAL LANDFILL OR DISPOSAL SITE.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
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Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
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25. NOTES REGARDING BMPs FOR THE REMEDIATION OF PETROLEUM SPILLS AND LEAKS
 1. LOCAL STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
 2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
 3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
 4. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, FEDERAL AND STATE REGULATIONS.
 5. FOR SPILLS THAT MAY IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER) THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
 6. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NRC WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
 7. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
 8. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
 9. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY OF GREATER THAN 660 GALLONS. THE CONTRACTOR WILL ALSO NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.
 CONTRACTOR SHALL PREVENT PETROLEUM PRODUCTS FROM COMING INTO CONTACT WITH STORMWATER:
 A. STORE IN A DRY COVERED AREA
 B. MAINTAIN AND INSPECT (DAILY) TANKS AND CONTAINERS FOR LEAKS
 C. PROVIDE EQUIPMENT ON SITE TO CLEAN UP PETROLEUM SPILLS
 D. LOCATE EQUIPMENT MAINTENANCE AREAS AWAY FROM STATE WATERS, NATURAL DRAINS AND STORMWATER INLETS.
 E. TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION
 F. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED
 G. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED PER STATE AND LOCAL REGULATIONS
 H. CONTAINERS FROM PRODUCTS SUCH AS FUELS, LUBRICANTS AND TAR WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT.

26. CONTRACTOR SHALL REDUCE THE AMOUNT OF FERTILIZER/PESTICIDE THAT CONTACTS STORMWATER:
 A. DO NOT DISCHARGE WASH WATER INTO STORM DRAINAGE SYSTEM
 B. MAINTAIN VEGETATION ON SITE
 C. APPLY MORE FREQUENTLY AT LOWER RATES
 D. DO NOT APPLY AT RATES HIGHER THAN THE GUIDELINES SET FORTH IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
 E. STORE FERTILIZERS AND PESTICIDES UNDER A ROOF IN SEALED CONTAINERS
 CONTRACTOR SHALL DISPOSE OF CONSTRUCTION WASTES (EXTRA BUILDING SUPPLIES, DEMOLITION MATERIALS, AND PACKAGING) IN THE FOLLOWING MANNER:
 A. FOLLOW A CONSISTENT REMOVAL SCHEDULE
 B. IF POSSIBLE, LOCATE CONTAINERS IN COVERED AREAS
 C. PROVIDE LIDS FOR WASTE CONTAINERS
 D. NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE
 E. DISPOSE BUILDING MATERIAL USING PROPER WASTE DISPOSAL PROCEDURE

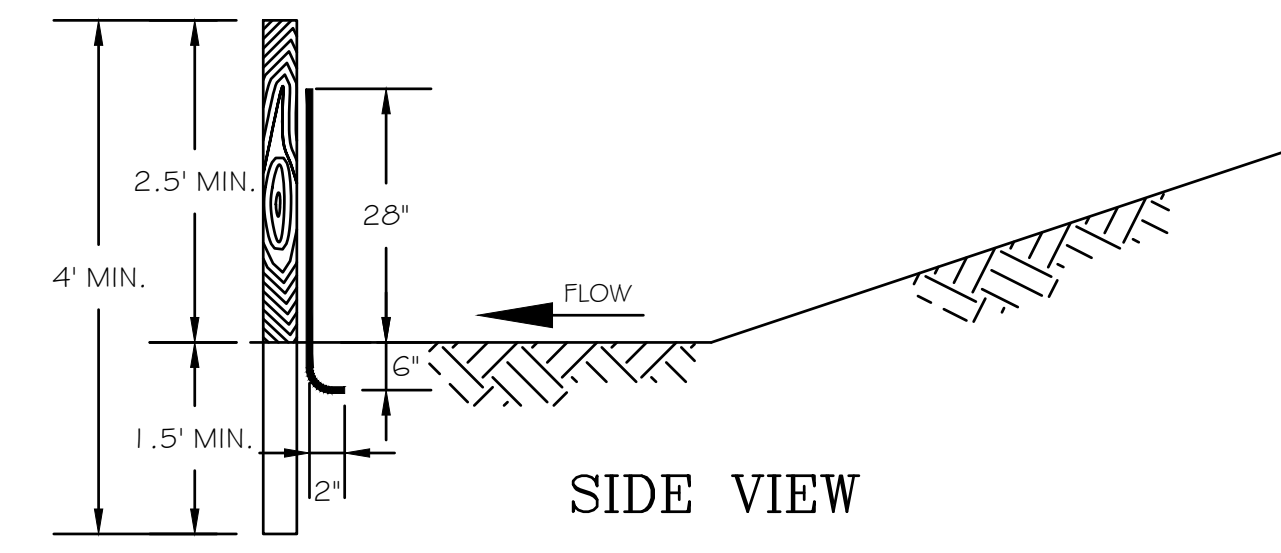
PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

NOTES REGARDING HAZARDOUS WASTES AND SANITARY WASTES
 A. HAZARDOUS WASTES
 ALL HAZARDOUS WASTES MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. ALL MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ES&PC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.
 THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ES&PC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.
 B. SANITARY WASTES
 A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
 ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

27. DESCRIPTION OF MEASURES INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED:
 - PERMANENT GRASSING
 - REMOVAL OF SEDIMENT TO INCREASE FUTURE SEDIMENT STORAGE




28. ACTIVITY SCHEDULE - JUN 2022 - DEC 2022

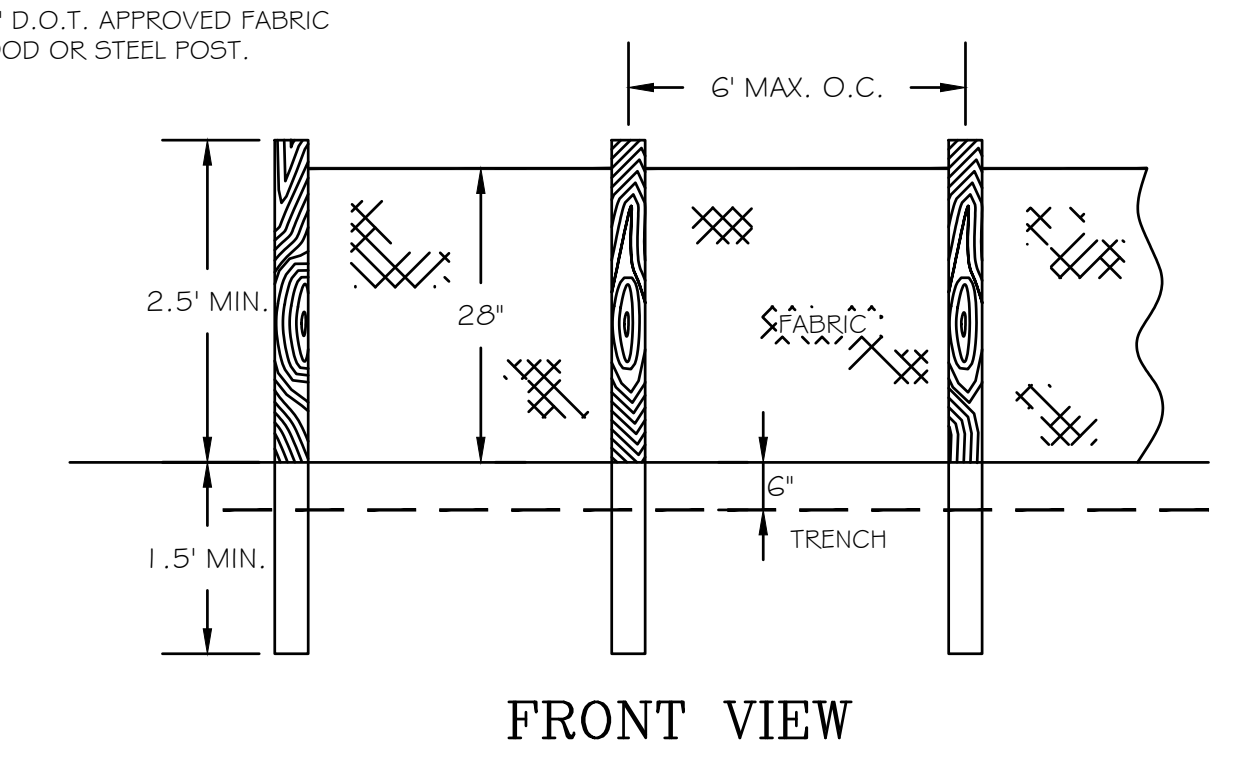
MONTH	1	2	3	4	5	6	7
INSTALL CONST. EXIT							
INSTALL SILT FENCE							
CONSTRUCT SEDIMENT TRAPS							
MAINTAIN SILT FENCE & BMP'S							
PLANT TEMP. VEGETATION							
GRADING							
PLANT PERM. VEGETATION							



NOTE: USE 36" D.O.T. APPROVED FABRIC USE WOOD OR STEEL POST.

VEGETATIVE PRACTICES

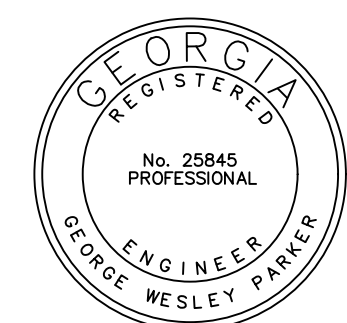
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.



TYPE A FABRIC (36")

USE:
 1) ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN OR EQUAL TO 6 MONTHS.
 2) WHERE THE SLOPE GRADIENT IS STEEPER THAN 3:1.

Sd1-NS
SILT FENCE TYPE N
 NTS



EROSION CONTROL NOTES
 PE22132



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RENOVATION & ADDITION
NORTH MAIN ANNEX
 115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
 PROJECT DATE: 4/27/22
 DRAWN BY: AMG
 APPROVED BY: GWP

SCHEDULE OF REVISIONS

#	DATE

C6.0

CONCRETE:

1. UNLESS OTHERWISE SHOWN, THE CENTERLINES OF ALL PIERS AND COLUMN FOOTINGS SHALL BE LOCATED ON COLUMN CENTERLINES OVER.

2. UNLESS SPECIFIED OTHERWISE, CONCRETE COVER OVER REINFORCEMENT SHALL CONFORM TO THE FOLLOWING:

A. ALL FOOTINGS AND OTHER CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:

#3 BAR AND SMALLER: 1 1/2"

#3 BAR AND LARGER: 2"

3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

4. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED ON THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCING MARKED CONTINUOUS MAY BE SPLICED AT LOCATIONS DETERMINED BY THE CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.

5. ALL CONNECTIONS SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.

6. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR OTHER INSERTS REQUIRED TO BE ENCASED IN CONCRETE AND FOR EXACT LOCATIONS OF FLOOR FINISHES AND SLAB DEPRESSIONS.

7. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.

8. DEFECTIVE AREAS IN CONCRETE WORK INCLUDING, BUT NOT LIMITED TO, HONEYCOMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.10" SHALL BE REPAIRED BY THE CONTRACTOR. THE EXTENT OF THE DEFECTIVE AREA SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER.

9. NO REINFORCING SHALL BE CUT IN FIELD. ADDITIONAL REINFORCING AND THAT QUANTITY OF REINFORCING OCCURRING AT OPENINGS SHALL BE PLACED EQUALLY EACH SIDE OF OPENING DETAIL.

10. HOOKS IN REINFORCING ARE IN ADDITION TO LINKS SHOWN.

11. UNLESS NOTED OTHERWISE, DETAILING AND FABRICATION OF REINFORCING STEEL SHALL FOLLOW ACI 308 STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES (ACI 315).

12. REINFORCING SHALL BE SUPPORTED IN FORMS AND SPACED WITH WIRE BAR SUPPORTS ACCORDING TO CRSI "PLACING REINFORCING BARS", UNLESS NOTED OTHERWISE.

CONCRETE MASONRY:

1. REINFORCED WALLS, PIERS, AND PILASTERS, SHALL BE FILLED IN MAXIMUM 5'-4" LIFTS. FILL SHALL BE MECHANICALLY MIXED (ASTM C476) GROUT WITH MAXIMUM 3/8" DIA. AGGREGATE AND SHALL DEVELOP NOT LESS THAN 2500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH.

2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F_m = 1500 PSI.

3. ALL REINFORCING SHALL BE TIED IN CMU CELLS IN THE LOCATION INDICATED ON THE STRUCTURE. REINFORCING SHALL BE REQUIRED TO PREVENT DISPLACEMENT OF REINFORCING DURING PLACEMENT OF GROUT.

4. VERTICAL REINFORCING SHALL BE LAPPED AT DOWELS AND SPLICES A MINIMUM OF 48 DIAMETERS BUT NOT LESS THAN 18".

5. PROVIDE A 4"x4" CLEAN-OUT OPENING AT THE BOTTOM COURSE OF EACH VERTICAL LIFT AT ALL REINFORCED CELLS EXCEPT WHERE OPENING CANNOT BE CONCEALED BY BRICK OR OTHER WALL VENEERS OR FINISHES. PRIOR TO FILLING CELLS WITH GROUT, CMU REINFORCED CELLS SHALL BE THOROUGHLY FLUSHED TO REMOVE ALL DEBRIS AND MORTAR PORTIONS. SEAL OPENING PRIOR TO FILLING CELL WITH GROUT.

6. REINFORCED PIERS (TYPES P1, P2, P3, ETC.) ARE INDICATED ON FOUNDATION PLAN. THEY SHALL BE CONTINUOUS ABOVE BEARING OF LINTEL TO TOP OF WALL OR BEARING ELEVATION AT FRAMED LEVEL ABOVE.

7. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE.

8. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615, GRADE 60 EXCEPT WHERE WELDING IS REQUIRED. REINFORCING STEEL SHALL BE HOOKED OR BENT. ALL REINFORCING DOWELS FROM FOUNDATIONS SHALL MATCH VERTICAL REINFORCING, SIZE AND SPACING INDICATED FOR CONSTRUCTION OF WALL OVER. ALL DOWELS SHALL HAVE STANDARD 90° HOOKS (MINIMUM 6"). THE #2 SMOOTH TIES SHOWN IN THE REINFORCED MASONRY PIER DETAILS SHALL BE 1/4" DIAMETER STEEL WIRE (W5 WIRE SIZE NUMBER) PER ASTM 1064 WITH YIELD STRENGTH OF 60 KSI.

9. UNLESS INDICATED OTHERWISE IN SPECIFICATIONS OR ON ARCHITECTURAL DRAWINGS, PROVIDE 9 GA. HORIZONTAL TRUSS TYPE JOINT REINFORCING AT 16" O.C. IN ALL WALLS. DISCONTINUE JOINT REINFORCING AT CONTROL JOINTS.

10. PROVIDE CMU CONTROL JOINTS WHICH INDICATED ON ARCHITECTURAL DRAWINGS WITH ADDITIONAL TIES SUCH THAT THE SPACING BETWEEN JOINTS DOES NOT EXCEED A SPACING OF 3 TIMES THE WALL HEIGHT (30'-0" MAX.). WHERE BEAMS OR LINTELS BEAR AT CMU CONTROL JOINTS, OFFSET JOINT AND LAP THE VERTICAL REINFORCING AS INDICATED.

11. AT ALL OPENINGS IN MASONRY WALLS PROVIDE REINFORCED CMU PIER TYPE "P1" AT JAMBS OF OPENINGS LESS THAN 4'-0" AND PIER TYPE "P2" AT JAMBS OF OPENINGS GREATER THAN 4'-0" AND OVER OTHER OPENINGS.

12. ALL ANCHORS SHALL BE INSTALLED IN GROUT FILLED CELLS. FILL CELLS ABOVE AND BELOW ANCHORS AS REQUIRED TO MAINTAIN A MINIMUM DISTANCE OF 4" FROM THE EDGE OF GROUT TO THE CENTER OF BOLT. WHERE TUBS ARE INSTALLED, PROVIDE MINIMUM 2" SPACING BETWEEN BOLT NUT AND MASONRY WALL FACE.

13. WHERE 2" NAILERS ARE REQUIRED TO BE ATTACHED TO CMU, ATTACH P.T. NAILERS WITH 1/2" DIAMETER ANCHORS AT 24" O.C. MAX. UNLESS DETAILED OTHERWISE IN ARCHITECTURAL DRAWINGS. COORDINATE LOCATIONS WITH ARCHITECTURAL DETAILS.

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED ON A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF BASED ON THE RECOMMENDATIONS INCLUDED IN GEOTECHNICAL REPORT PREPARED BY ENG ENGINEERING SERVICES, INC., REPORT NO. 22-8531.50 DATED APRIL 28, 2022. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED OR DESIGNED.

2. ALLOWABLE BEARING PRESSURE SHALL BE VERIFIED BY FIELD TESTING IN ACCORDANCE WITH REQUIREMENTS OF THE PROJECT SPECIFICATIONS. IN THE ABSENCE OF SPECIFICATION REQUIREMENTS, A DYNAMIC CONE PENETROMETER TEST (ASTM STP-399) SHALL BE PROVIDED AT EACH COLUMN FOOTING EXCAVATION AND MAXIMUM 50' O.C. IN WALL FOOTINGS AND THICKENED SLABS TO VERIFY AVAILABILITY OF THE DESIGN PRESSURE INDICATED.

3. ALL FOOTINGS AND SLABS SHALL BEAR ON SUBGRADE COMPACTED TO A MINIMUM 95% ASTM D-1557 UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED IN PROJECT SPECIFICATIONS.

4. NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL IN ACCORDANCE WITH PROJECT SPECIFICATION REQUIREMENTS.

5. ALL WATER SOFTENED SOILS IN FOUNDATION EXCAVATIONS SHALL BE REMOVED PRIOR TO POURING CONCRETE. FILL OVER-EXCAVATED LIMITS WITH COMPACTED STRUCTURAL FILL OR ADDITIONAL CONCRETE.

6. ALL BOTTOM REINFORCING IN FOOTINGS AND THICKENED SLAB SHALL BE SUPPORTED WITH WHOLE CONCRETE BRICKS OR PREFABRICATED ALL PLASTIC CHAIR SUPPORT AT MAXIMUM 48" O.C. BAR SUPPORTS SHALL BE POSITIONED TO MAINTAIN NO LESS THAN 2" CLEAR TO BOTTOM OF LOWEST REINFORCING BAR.

7. ALL FOOTING, PIER AND OTHER FOUNDATION TYPE REINFORCING SHALL BE TIED IN PLACE PRIOR TO POURING CONCRETE.

8. WHERE PLUMBING LINES OCCUR BELOW TOP OF WALL FOOTINGS TO A DEPTH OF 2 FT. BELOW BOTTOM OF WALL FOOTINGS, STEEL WALL FOOTING DOY TO PROVIDE CLEARANCES INDICATED ON TYPICAL DETAIL HEREIN UNLESS OTHERWISE SPECIFIED. COORDINATE LOCATIONS, SIZES, AND INVERTS WITH PLUMBING DRAWINGS.

9. ALL VERTICAL CONSTRUCTION JOINTS SHALL BE PERFECTLY FLUSH TO TOP OF SLABS WHERE THEY ABUT VERTICAL WALL SURFACES AND AT COLUMN ISOLATION JOINTS AS DETAILED.

10. WHERE VERTICAL STEPS IN WALL FOOTINGS SHOWN ON FOUNDATION PLAN, THEY SHALL BE A MAXIMUM 2'-0" HIGH SPACED NO CLOSER THAN 4'-0" O.C.

11. CONSTRUCTION JOINTS IN WALL FOOTINGS SHALL BE FORMED VERTICALLY WITH MINIMUM 2'-0" LAP HORIZONTAL REINFORCING.

12. WHERE FINISH GRADIES DIFFER ON OPPOSITE SIDES OF FOUNDATION WALLS, PROVIDE TEMPORARY BRACING AT TOP OF WALL TO PREVENT LATERAL MOVEMENT UNTIL ALL ADJACENT FILLING, COMPACTION, FLOOR SLABS, WALLS, AND FRAMING AT NEXT LEVEL IS COMPLETED.

13. AT FREE ENDS OF LOAD BEARING WALLS, EXTEND WALL FOOTING OR THICKENED SLABS A MINIMUM OF 1'-0" BEYOND WALL EDGE UNLESS DETAILED OTHERWISE.

14. CAPILLARY BARRIER BELOW FLOOR SHALL CONSIST OF 4" COMPACTED CLEAN SAND AND 1/4" PREMOULDED EXPANSION JOINT FILLER AROUND PERIMETER OF 4" LAYER OF #57 OR #89 STEEL.

COLD ROLLED LOAD BEARING METAL STUDS:

1. ALL STRUCTURAL MEMBERS AND CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

2. ALL STUDS AND ACCESSORIES SHALL BE TYPE, SIZE, GAUGE AND SPACING SCHEDULED AND SHALL BE EQUAL TO DALE/INFORME TYPE JW OR JWE (MIN.).

3. THE EXTENSION LENGTH (L) OF STUDS SHALL BE 15x D, 50x D OR PER.

4. ALL STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A 525.

5. PREFABRICATED PANELS SHALL BE SQUARE, WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING. HANDLING AND LIFTING SHALL BE DONE IN A MANNER SO AS NOT TO CAUSE DISTORTION IN ANY MANNER.

6. PANELS MAY BE FABRICATED WITH WELDS OR SCREWS. FIELD WELDING OF MATERIAL LESS THAN 16" SHALL NOT BE PERMITTED.

7. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR, AS REQUIRED, FOR AN ANGULAR FIT AGAINST CURVING MEMBERS.

8. AXIALLY LOADED STUDS SHALL BE INSTALLED IN A MANNER WHICH SHALL ASSURE THAT THEIR ENDS ARE POSITIONED AGAINST THE INSIDE OF RUNNER WEB PRIOR TO ERECTION.

9. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDS AND SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED. ALL WELDS SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT.

10. STUDS SHALL HAVE FULL BEARING AGAINST INSIDE TRACK WEB PRIOR TO ATTACHMENT AT BOTH ENDS. NO CUTS ARE PERMITTED FOR LOAD BEARING STUDS AND TRACKS.

11. BRIDGING OR TRACKS SHALL BE INSTALLED TO THE SPACE BETWEEN FASTENERS SPACED ON 12" CENTERS. PROVIDE 1/716" PENETRATION INTO CONCRETE, UNLESS OTHERWISE NOTED.

12. AT ALL TRACK BUTT JOINTS, ADJUTING PIECES OF TRACK SHALL BE SECURELY ANCHORED TO A MINIMUM STRUCTURAL ELEMENT OR THEY SHALL BE BUTT-WELDED OR ANGLED TOGETHER.

13. A MINIMUM OF 10" OF UNPUNCHED STEEL IS REQUIRED AT BOTH ENDS OF MEMBERS (NO PUNCHING HOLE) OF ANY SIZE IS PERMITTED IN THESE 10".

14. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO FLANGES OF BOTH UPPER AND LOWER RUNNERS.

15. BRIDGING SHALL BE INSTALLED TO THE SPACE BETWEEN FASTENERS SPACED ON 12" CENTERS. PROVIDE 1/716" PENETRATION INTO CONCRETE, UNLESS OTHERWISE NOTED.

16. RESISTANCE TO MINOR AXIS BENDING AND ROTATION SHALL BE PROVIDED BY GYPSUM BOARD, GYPSUM SHEATHING, BY HORIZONTAL STRAP AND BLOCKING OR COLD-ROLLED CHANNEL BRACING.

17. JACK STUDS OR CRIPPLES SHALL BE INSTALLED BELOW WINDOW SILLS, ABOVE WINDOW AND DOOR HEADS, AND ELSEWHERE TO FURNISH SUPPORTS, AND SHALL BE SECURELY ATTACHED TO CONNECTING MEMBERS.

18. ALL MULTIPLE STUDS ADJACENT TO OPENINGS ARE TO BE ATTACHED WITH 1" x 2" x 20 GA. STRAP SCREWED TO BOTH FLANGES OF ALL STUDS AT 48" O.C. MAX. AND WITHIN 6" OF TOP OR WELDED.

19. WALL BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRACING SHALL BE PROVIDED ACCORDING TO THE FOLLOWING SCHEDULE:

WALLS UP TO 10'-0" HEIGHT: TWO ROWS OF BRIDGING AT 1/3 POINTS.

WALLS EXCEEDING 10'-0": BRIDGING ROWS SPACED NOT TO EXCEED 4'-0".

20. BRIDGING OR TRACKS SHALL BE INSTALLED THROUGH PUNCHED STUD SECTIONS AND FASTENED TO STUDS USING BRIDGING CLIPS.

21. VOIDS BENEATH TRACK SHALL NOT BE PERMITTED. WHERE UNEVENNESS OF SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING, PANEL OR TRACK SHALL BE LEVELLED BY PLACING GROUT BENEATH TRACK.

22. SEE ARCHITECTURAL DRAWINGS FOR LOAD BEARING WALLS AND TO VERIFY ALL DIMENSIONS SHOWN FOR LOAD BEARING WALLS.

FLOOR DECKS:

1. COMPOSITE FLOOR DECK NOTES:

A. ALL COMPOSITE FLOOR DECKS SHALL CONSIST OF 3 1/4" (MIN.) LIGHTWEIGHT CONCRETE (F_c = 4000 PSI) SLAB OVER 2" x 18 GA. GALVANIZED COMPOSITE STEEL DECK (MIN. 3 CONTINUOUS SPANS PER SHEET) REINFORCED WITH 6X6X8/8 W/F.

B. PROVIDE INTEGRAL HANGER TABS FOR CEILING SUSPENSIONS (MIN. 100 LBS CAPACITY EACH).

C. CLOSURES SHALL BE STANDARD OF THE DECK MANUFACTURER UNLESS DETAILED OTHERWISE.

D. NUMBERS SHOWN IN BRACKETS AS [16], ETC. INDICATE THE MINIMUM NUMBER OF 3/4" DIAMETER STEEL HEADED STUD SHEAR CONNECTORS (AWS D1.1, SECTION 4, PART F). PROVIDE STUDS AT 48" O.C. AT LOCATIONS WHERE NO STUDS ARE INDICATED FOR BEAMS WHICH DIRECTLY SUPPORT COMPOSITE DECKS (FILLER BEAMS).

E. STUDS MAY BE WELDED THROUGH THE DECK OR DIRECTLY TO THE STEEL MEMBER.

F. BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM 1/2 TOTAL LOAD CAPACITY OVERBARS ARE TO BE ANTICIPATED BY THE CONTRACTOR. REACTIONS SHOWN ON THE FRAMING PLANS. REACTIONS SHOWN ARE UNFACTORED TOTAL LOADS (DEAD + LIVE).

F. COMPOSITE FLOOR DECK IS DESIGNED TO BE UNSHORED UNLESS NOTED OTHERWISE.

G. COMPOSITE FLOOR SLABS ARE TO BE FINISHED LEVEL. THE WEIGHT OF THE WET CONCRETE WILL CAUSE DEFLECTIONS OF THE STEEL FRAMING, THIS CONCRETE OVERBARS ARE TO BE ANTICIPATED BY THE GENERAL CONTRACTOR AND INCLUDED IN THE CONTRACTOR'S BASE BID.

H. CONTRACTOR SHALL COORDINATE EMBEDDED ITEMS REQUIRED FOR ARCHITECTURAL, STRUCTURAL, AND MECHANICAL ELEMENTS.

I. ALL POWER-ACTUATED FASTENERS SHALL BE INSTALLED ON SUPPORTS SHALL BE 1 1/2" UNLESS OTHERWISE NOTED.

J. THE CAMBER OF STEEL MEMBERS INDICATED SHALL BE VERIFIED IN THE SHOP AND THE FIELD PRIOR TO ERECTION.

K. DECKS SHALL BE FASTENED TO SUPPORTING STEEL WITH MINIMUM 5/8" DIA. OR GREATER ARC PUDDLE WELDS, SHARP STUDS, OR MECHANICAL FASTENERS APPROVED BY THE ENGINEER AND SHALL NOT EXCEED A MAXIMUM AVERAGE SPACING OF 12" O.C. WITH SPACING BETWEEN ANY POINTS OF ATTACHMENT NOT TO EXCEED 18". DECK ENDS AT SUPPORTS SHALL BE BUTTED WITH A MAX. 1/2" SPACED BETWEEN DECK ENDS.

L. WHERE DECK SPAN EXCEEDS 5'-0", PROVIDE SIDE LAP FASTENERS BETWEEN ADJACENT DECK UNITS NOT TO EXCEED A SPACING OF 36" O.C. SIDE LAP FASTENERS MAY BE WELDS, SCREWS, OR BUTTON PUNCHES (CRIMPS) AS SPECIFIED BY THE DECK MANUFACTURER AND AS SUITABLE FOR THE DECK TYPE. DETAILS SHALL BE FURNISHED ON THE DECK SHOP DRAWINGS.

STEEL FRAMING:

1. ALL WIDE FLANGE STEEL SHAPES INCLUDING WTS SHALL BE FABRICATED USING ASTM A992 GRADE 50 STRUCTURAL STEEL MATERIAL. ALL OTHER SHAPES, PLATES, BARS, ETC., SHALL BE ASTM A36 OR AS INDICATED IN SPECIFICATIONS.

2. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER (MIN.) ASTM A325X HIGH STRENGTH BOLTS WITH LOAD INDICATOR WASHERS OR LOAD INDICATOR BOLTS INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

3. STEEL FRAMING, INCLUDING BOLTED AND WELDED CONNECTIONS, BRACING, AND ANCHORAGES SHALL BE COMPLETE AND PLUMB PRIOR TO PLACEMENT OF DECKS.

4. TOP OF STEEL ELEVATIONS SHOWN ON FRAMING PLANS ARE MEASURED FROM FINISHED FIRST FLOOR UNLESS NOTED.

5. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" OF AISC 14th EDITION.

6. ALL FABRICATIONS SHALL COMPLY WITH "CODE OF STANDARD PRACTICE FOR STEEL MATERIAL TO BE USED FOR DESIGN PROFESSIONAL'S REVIEW, ALL HARDWARE ADDITIONAL MISCELLANEOUS STRUCTURAL STEEL FRAMING NOT SHOWN ON STRUCTURAL DRAWINGS INCLUDING MISCELLANEOUS ANGULAR FRAMING, BRACING, ETC.

7. ALL STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM 123 MINIMUM 0.9 MIL OF ZINC. WHERE WELDING IS USED ON HOT-DIPPED GALVANIZED FRAMING MEMBERS, WELDS AND ADJACENT AREAS SHALL BE COATED WITH A COLD GALVANIZING COMPOUND. CONTRACTOR TO SUBMIT DATA SHEET OF MATERIAL TO BE USED FOR DESIGN PROFESSIONAL'S REVIEW. ALL HARDWARE CONNECTING HOT-DIPPED GALVANIZED FRAMING MEMBERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM 153.

8. DO NOT FIELD CUT ANY STRUCTURAL STEEL WITHOUT PRIOR REVIEW AND APPROVAL OF THE ARCHITECT/ENGINEER.

9. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL WELDING SPOILS AND BE-PRIMED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

10. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. PROOF OF CERTIFICATION FOR EACH WELDER SHALL BE AVAILABLE AT THE JOB SITE.

11. ALL WELDERS SHALL HAVE BEEN CERTIFIED WITHIN THE PREVIOUS 12 MONTHS IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.

12. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS, DETAILS, ETC., AND OTHER REQUIREMENTS FOR APPLICATION OF SPRAYED-ON FIREPROOFING MATERIAL. OMIT PRIMER PAINT ON ALL STEEL SURFACES SCHEDULED TO RECEIVE SPRAYED-ON FIREPROOFING.

13. WHERE WELDS ARE SHOWN AND FIT OF BASE METALS IS NOT FLUSH, INCREASE WELD THROAT THICKNESS BY ROOT OPENING.

PRE-ENGINEERED LIGHT GAUGE METAL ROOF TRUSSES:

1. ALL TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED TO SUPPORT THE MITING LOADS OF THE ARCHITECT/ENGINEER.

2. TOP CHORD:

DEAD LOAD = 10 PSF

LIVE LOAD = 20 PSF

WIND LOADS AND GLADDING WIND LOADING AS SHOWN HEREIN.

BOTTOM CHORD

DEAD LOAD = 10 PSF

LIVE LOAD = 20 PSF

3. CONNECTION OF TRUSSES TO SUPPORTS INCLUDING THE METAL CLIPS AND WELDS SHALL BE DESIGNED AND DETAILED BY THE TRUSS MANUFACTURER TO SUPPORT ALL LOADS SPECIFIED HEREIN AND UPLIFT LOADS. CONNECTIONS FOR WIND UPLIFT SHALL BE DESIGNED FOR A MINIMUM SAFETY FACTOR OF 3.

4. INSTALL TEMPORARY AND PERMANENT VERTICAL BRACING OR OTHER BRACES AS RECOMMENDED BY THE TRUSS MANUFACTURER AND/OR APPLICABLE REFERENCES.

5. SHOP DRAWINGS, CALCULATIONS, ETC., TO BE SUBMITTED FOR REVIEW. SHOP DRAWINGS SHALL PROVIDE ERECTION LAYOUT FOR TRUSSES, OUTRIGGERS, HEADERS, BRACING, ETC. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR LOCATIONS OF SUPPORTS.

6. CALCULATIONS AND DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.

7. MAXIMUM TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED L/240.

8. TRUSSES SHALL BE DESIGNED AND SPECIFICATIONS WITH MANUFACTURER'S RECOMMENDATION AND APPLICABLE REFERENCES NOTED HEREIN.

9. TRUSSES ARE NOT DESIGNED TO SUPPORT CONCENTRATED LOADS DUE TO ANY MECHANICAL TRUCK OR TRUCK TRAILER OR SPACED TYPE UNITS UNLESS SPECIFICALLY SHOWN ON CONTRACT DRAWINGS.

10. TRUSS SHOP DRAWINGS INCLUDING LATERAL BRACING DETAILS SHALL BE AVAILABLE ON THE JOBSITE DURING TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY ARE REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD.

11. TRUSSES ARE TO BE STORED OFF THE GROUND IN A MANNER WHICH WILL NOT DAMAGE OR WARP THE TRUSSES PRIOR TO ERECTION.

12. FIELD REPAIR OF DAMAGED TRUSSES MUST BE APPROVED IN WRITING BASED ON FIELD REPAIR SKETCHES PREPARED BY THE TRUSS MANUFACTURER.

13. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING OF ALL TRUSSES DURING CONSTRUCTION TO PREVENT RACKING AND/OR OTHER LATERAL MOVEMENT AS RECOMMENDED BY THE TRUSS MANUFACTURER SHOP DRAWING DETAILS AND APPLICABLE REFERENCES.

14. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED, NOR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN APPROVAL OF THE ENGINEER OF RECORD.

15. ALL HARDWARE REQUIRED FOR CONNECTIONS BETWEEN PRE-ENGINEERED TRUSS COMPONENTS INCLUDING TRUSS TO TRUSS OR TRUSS GIRDER CONNECTIONS SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS MANUFACTURER.

16. TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "STANDARD FOR COLD-FORMED STEEL FRAMING - TRUSS DESIGN".

17. TRUSSES SHALL BE DESIGNED SUCH THAT THE MINIMUM SPACING OF BOTTOM CHORD BRACES IS 10'-0" UNLESS OTHERWISE SHOWN ON ARCHITECTURAL DRAWINGS.

18. WHERE HIP AND VALLEY LINES OCCUR, PROVIDE A CONTINUOUS 1/8"x3"x3" BENT PLATE BETWEEN TRUSSES TO SUPPORT ENDS OF ROOF DECKING/PURLINS. OMIT PLATE WHERE HIP OR VALLEY LINE OCCURS AT OTHER TRUSS MEMBERS OR AT THESE LOCATIONS.

19. ANY ADDITIONAL STRUCTURAL MEMBERS REQUIRED TO SUPPORT TRUSS OVERHANGS AS SHOWN ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE DESIGNED AND DETAILED IN THE TRUSS SHOP DRAWINGS.

20. IT IS THE RESPONSIBILITY OF THE FABRICATOR TO DESIGN, DETAIL, AND PROVIDE A COMPLETE ROOF TRUSS SYSTEM.

REINFORCED CONCRETE:

1. UNLESS OTHERWISE SHOWN, THE CENTERLINES OF ALL PIERS AND COLUMN FOOTINGS SHALL BE LOCATED ON COLUMN CENTERLINES OVER.

2. UNLESS SPECIFIED OTHERWISE, CONCRETE COVER OVER REINFORCEMENT SHALL CONFORM TO THE FOLLOWING:

A. ALL FOOTINGS AND OTHER CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:

#3 BAR AND SMALLER: 1 1/2"

#3 BAR AND LARGER: 2"

3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

4. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED ON THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCING MARKED CONTINUOUS MAY BE SPLICED AT LOCATIONS DETERMINED BY THE CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.

5. ALL CONNECTIONS SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.

6. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR OTHER INSERTS REQUIRED TO BE ENCASED IN CONCRETE AND FOR EXACT LOCATIONS OF FLOOR FINISHES AND SLAB DEPRESSIONS.

7. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.

8. DEFECTIVE AREAS IN CONCRETE WORK INCLUDING, BUT NOT LIMITED TO, HONEYCOMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.10" SHALL BE REPAIRED BY THE CONTRACTOR. THE EXTENT OF THE DEFECTIVE AREA SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER.

9. NO REINFORCING SHALL BE CUT IN FIELD. ADDITIONAL REINFORCING AND THAT QUANTITY OF REINFORCING OCCURRING AT OPENINGS SHALL BE PLACED EQUALLY EACH SIDE OF OPENING DETAIL.

10. HOOKS IN REINFORCING ARE IN ADDITION TO LINKS SHOWN.

11. UNLESS NOTED OTHERWISE, DETAILING AND FABRICATION OF REINFORCING STEEL SHALL FOLLOW ACI 308 STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES (ACI 315).

12. REINFORCING SHALL BE SUPPORTED IN FORMS AND SPACED WITH WIRE BAR SUPPORTS ACCORDING TO CRSI "PLACING REINFORCING BARS", UNLESS NOTED OTHERWISE.

CONCRETE MASONRY:

1. REINFORCED WALLS, PIERS, AND PILASTERS, SHALL BE FILLED IN MAXIMUM 5'-4" LIFTS. FILL SHALL BE MECHANICALLY MIXED (ASTM C476) GROUT WITH MAXIMUM 3/8" DIA. AGGREGATE AND SHALL DEVELOP NOT LESS THAN 2500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH.

2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F_m = 1500 PSI.

3. ALL REINFORCING SHALL BE TIED IN CMU CELLS IN THE LOCATION INDICATED ON THE STRUCTURE. REINFORCING SHALL BE REQUIRED TO PREVENT DISPLACEMENT OF REINFORCING DURING PLACEMENT OF GROUT.

4. VERTICAL REINFORCING SHALL BE LAPPED AT DOWELS AND SPLICES A MINIMUM OF 48 DIAMETERS BUT NOT LESS THAN 18".

5. PROVIDE A 4"x4" CLEAN-OUT OPENING AT THE BOTTOM COURSE OF EACH VERTICAL LIFT AT ALL REINFORCED CELLS EXCEPT WHERE OPENING CANNOT BE CONCEALED BY BRICK OR OTHER WALL VENEERS OR FINISHES. PRIOR TO FILLING CELLS WITH GROUT, CMU REINFORCED CELLS SHALL BE THOROUGHLY FLUSHED TO REMOVE ALL DEBRIS AND MORTAR PORTIONS. SEAL OPENING PRIOR TO FILLING CELL WITH GROUT.

6. REINFORCED PIERS (TYPES P1, P2, P3, ETC.) ARE INDICATED ON FOUNDATION PLAN. THEY SHALL BE CONTINUOUS ABOVE BEARING OF LINTEL TO TOP OF WALL OR BEARING ELEVATION AT FRAMED LEVEL ABOVE.

7. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE.

8. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615, GRADE 60 EXCEPT WHERE WELDING IS REQUIRED. REINFORCING STEEL SHALL BE HOOKED OR BENT. ALL REINFORCING DOWELS FROM FOUNDATIONS SHALL MATCH VERTICAL REINFORCING, SIZE AND SPACING INDICATED FOR CONSTRUCTION OF WALL OVER. ALL DOWELS SHALL HAVE STANDARD 90° HOOKS (MINIMUM 6"). THE #2 SMOOTH TIES SHOWN IN THE REINFORCED MASONRY PIER DETAILS SHALL BE 1/4" DIAMETER STEEL WIRE (W5 WIRE SIZE NUMBER) PER ASTM 1064 WITH YIELD STRENGTH OF 60 KSI.

9. UNLESS INDICATED OTHERWISE IN SPECIFICATIONS OR ON ARCHITECTURAL DRAWINGS, PROVIDE 9 GA. HORIZONTAL TRUSS TYPE JOINT REINFORCING AT 16" O.C. IN ALL WALLS. DISCONTINUE JOINT REINFORCING AT CONTROL JOINTS.

10. PROVIDE CMU CONTROL JOINTS WHICH INDICATED ON ARCHITECTURAL DRAWINGS WITH ADDITIONAL TIES SUCH THAT THE SPACING BETWEEN JOINTS DOES NOT EXCEED A SPACING OF 3 TIMES THE WALL HEIGHT (30'-0" MAX.). WHERE BEAMS OR LINTELS BEAR AT CMU CONTROL JOINTS, OFFSET JOINT AND LAP THE VERTICAL REINFORCING AS INDICATED.

11. AT ALL OPENINGS IN MASONRY WALLS PROVIDE REINFORCED CMU PIER TYPE "P1" AT JAMBS OF OPENINGS LESS THAN 4'-0" AND PIER TYPE "P2" AT JAMBS OF OPENINGS GREATER THAN 4'-0" AND OVER OTHER OPENINGS.

12. ALL ANCHORS SHALL BE INSTALLED IN GROUT FILLED CELLS. FILL CELLS ABOVE AND BELOW ANCHORS AS REQUIRED TO MAINTAIN A MINIMUM DISTANCE OF 4" FROM THE EDGE OF GROUT TO THE CENTER OF BOLT. WHERE TUBS ARE INSTALLED, PROVIDE MINIMUM 2" SPACING BETWEEN BOLT NUT AND MASONRY WALL FACE.

13. WHERE 2" NAILERS ARE REQUIRED TO BE ATTACHED TO CMU, ATTACH P.T. NAILERS WITH 1/2" DIAMETER ANCHORS AT 24" O.C. MAX. UNLESS DETAILED OTHERWISE IN ARCHITECTURAL DRAWINGS. COORDINATE LOCATIONS WITH ARCHITECTURAL DETAILS.

GENERAL:

1. DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS SHOWN ON PLAN OR OBTAIN ADDITIONAL INFORMATION.

2. CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN HEREIN WITH ARCHITECTURAL PLANS, SECTIONS, AND DETAILS PRIOR TO CONSTRUCTION OR MATERIAL PURCHASE. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES NOTED. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS NOT SHOWN HEREIN.

3. WHERE LAYOUT OR SECTION IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE OR SIMILAR LOCATIONS.

4. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF AND SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO SUBMITTING BIDS.

5. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

6. COORDINATE FLOOR SLAB LAYOUT WITH ARCHITECTURAL DRAWINGS FOR EXACT LIMITS AND DEPRESSIONS FOR AREAS TO RECEIVE ARCHITECTURAL FLOOR FINISHES COORDINATE FLOOR JOINTS AT DOORS WITH ARCHITECTURAL PROFESSIONAL DETAILS. LIMITS SHOWN ON STRUCTURAL DRAWINGS ARE SCHEMATIC.

7. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS OF ALL EXTERIOR WALLS, CANOPIES, RAMPS, RAMP WALLS, AND ENTRANCE SLABS NOT DETAILED HEREIN.

8. NO CHANGE IN SIZE OR DIMENSION OF ANY STRUCTURAL MEMBER SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD UNLESS SPECIFICALLY DETAILED ON THE CONTRACT DRAWINGS.

9. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND CONSTRUCTION ACTIVITIES.

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

11. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

12. CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR METHODS, SAFETY, TECHNIQUES, SEQUENCES, AND PROCEDURES OF ALL CONSTRUCTION SHOWN HEREIN. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTIBILITY, ANALYSIS, AND ERECTION PROCEDURES INCLUDING DESIGN AND ERECTION WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF ALL BRACING, ETC. CONTRACTOR HAS THE SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.

13. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.

POST INSTALLED REBAR, ANCHORS, AND FASTENERS:

THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE SHOWN IN THE DETAILS. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS (MII). CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND SHALL SUBMIT LETTER TO THE DESIGN PROFESSIONAL (DP) INDICATING TRAINING HAS TAKEN PLACE. REFER TO THE PRODUCT BEING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE DP FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

1. FOR ANCHORING INTO CONCRETE

A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.2 AND ICC-ES AC108 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:

EXPANSION ANCHORS:

I. SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)

II. HILTI KWIK BOLT TZ (ICC-ES ESR 1917)

III. DEWALT POWER-STUD™ SD1 (ICC-ES ESR-2818)

SCREW ANCHORS:

I. SIMPSON TITAN HD (ICC-ES ESR-2713)

II. HILTI KH-EZ (ICC-ES ESR 3027)

III. DEWALT SCREW-BOLT™ (ICC-ES ESR-3889)

B. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 308.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-19 26.7.2.1.

PRE-APPROVED PRODUCTS INCLUDE:

I. SIMPSON STRONG-TIE "POWER ACTUATED PINS" TYPE POPA (ICC-ES ESR-2198)

II. HILTI X-U POWDER DRIVEN FASTENERS (ICC-ES ESR-2269)

III. DEWALT 8 mm HEAD SPIRAL CSI PINS (ICC-ES ESR-2024)

IV. DEWALT PURE10+ (ICC-ES ESR-3298)

C. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

I. SIMPSON STRONG-TIE "POWER ACTUATED PINS" TYPE POPA (ICC-ES ESR-2198)

II. HILTI X-U POWDER DRIVEN FASTENERS (ICC-ES ESR-2269)

III. DEWALT 8 mm HEAD SPIRAL CSI PINS (ICC-ES ESR-2024)

2. FOR FASTENING INTO STEEL:

A. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

I. SIMPSON STRONG-TIE "POWER ACTUATED PINS" TYPE POPA (ICC-ES ESR-2198)

II. HILTI X-U POWDER DRIVEN FASTENERS (ICC-ES ESR-2269)

III. DEWALT 8 mm HEAD SPIRAL CSI PINS (ICC-ES ESR-2024)

STEEL COLUMNS:

1. STEEL COLUMN BASES ARE DESIGNED AS A/R-RESTRAINED; THEREFORE COLUMNS MUST BE KEPT BRACED UNTIL ALL HORIZONTAL FRAMING HAS BEEN INSTALLED.

2. COLUMN ANCHOR RODS SHALL BE INSTALLED AND TIED IN PLACE PRIOR TO POURING CONCRETE. ANCHOR RODS SHALL NOT BE REPAIRED, REPLACED, OR MODIFIED BY THE CONTRACTOR WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.

3. UNLESS NOTED OTHERWISE, IF A BEAM IS DISCONTINUOUS AT A COLUMN, BEAM SHALL BE CONNECTED TO THE FACE OF THE COLUMN RATHER THAN ON TOP OF THE COLUMN.

STEEL FRAMING:

1. ALL WIDE FLANGE STEEL SHAPES INCLUDING WTS SHALL BE FABRICATED USING ASTM A992 GRADE 50 STRUCTURAL STEEL MATERIAL. ALL OTHER SHAPES, PLATES, BARS, ETC., SHALL BE ASTM A36 OR AS INDICATED IN SPECIFICATIONS.

2. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER (MIN.) ASTM A325X HIGH STRENGTH BOLTS WITH LOAD INDICATOR WASHERS OR LOAD INDICATOR BOLTS INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

3. STEEL FRAMING, INCLUDING BOLTED AND WELDED CONNECTIONS, BRACING, AND ANCHORAGES SHALL BE COMPLETE AND PLUMB PRIOR TO PLACEMENT OF DECKS.

4. TOP OF STEEL ELEVATIONS SHOWN ON FRAMING PLANS ARE MEASURED FROM FINISHED FIRST FLOOR UNLESS NOTED.

5. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" OF AISC 14th EDITION.

6. ALL FABRICATIONS SHALL COMPLY WITH "CODE OF STANDARD PRACTICE FOR STEEL MATERIAL TO BE USED FOR DESIGN PROFESSIONAL'S REVIEW, ALL HARDWARE ADDITIONAL MISCELLANEOUS STRUCTURAL STEEL FRAMING NOT SHOWN ON STRUCTURAL DRAWINGS INCLUDING MISCELLANEOUS ANGULAR FRAMING, BRACING, ETC.

7. ALL STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM 123 MINIMUM 0.9 MIL OF ZINC. WHERE WELDING IS USED ON HOT-DIPPED GALVANIZED FRAMING MEMBERS, WELDS AND ADJACENT AREAS SHALL BE COATED WITH A COLD GALVANIZING COMPOUND. CONTRACTOR TO SUBMIT DATA SHEET OF MATERIAL TO BE USED FOR DESIGN PROFESSIONAL'S REVIEW. ALL HARDWARE CONNECTING HOT-DIPPED GALVANIZED FRAMING MEMBERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM 153.

8. DO NOT FIELD CUT ANY STRUCTURAL STEEL WITHOUT PRIOR REVIEW AND APPROVAL OF THE ARCHITECT/ENGINEER.

9. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL WELDING SPOILS AND BE-PRIMED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

10. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. PROOF OF CERTIFICATION FOR EACH WELDER SHALL BE AVAILABLE AT THE JOB SITE.

11. ALL WELDERS SHALL HAVE BEEN CERTIFIED WITHIN THE PREVIOUS 12 MONTHS IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.

12. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS, DETAILS, ETC., AND OTHER REQUIREMENTS FOR APPLICATION OF SPRAYED-ON FIREPROOFING MATERIAL. OMIT PRIMER PAINT ON ALL STEEL SURFACES SCHEDULED TO RECEIVE SPRAYED-ON FIREPROOFING.

13. WHERE WELDS ARE SHOWN AND FIT OF BASE METALS IS NOT FLUSH, INCREASE WELD THROAT THICKNESS BY ROOT OPENING.

PRE-ENGINEERED LIGHT GAUGE METAL ROOF TRUSSES:

1. ALL TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED TO SUPPORT THE MITING LOADS OF THE ARCHITECT/ENGINEER.

2. TOP CHORD:

DEAD LOAD = 10 PSF

LIVE LOAD = 20 PSF

WIND LOADS AND GLADDING WIND LOADING AS SHOWN HEREIN.

BOTTOM CHORD

DEAD LOAD = 10 PSF

LIVE LOAD = 20 PSF

3. CONNECTION OF TRUSSES TO SUPPORTS INCLUDING THE METAL CLIPS AND WELDS SHALL BE DESIGNED AND DETAILED BY THE TRUSS MANUFACTURER TO SUPPORT ALL LOADS SPECIFIED HEREIN AND UPLIFT LOADS. CONNECTIONS FOR WIND UPLIFT SHALL BE DESIGNED FOR A MINIMUM SAFETY FACTOR OF 3.

4. INSTALL TEMPORARY AND PERMANENT VERTICAL BRACING OR OTHER BRACES AS RECOMMENDED BY THE TRUSS MANUFACTURER AND/OR APPLICABLE REFERENCES.

5. SHOP DRAWINGS, CALCULATIONS, ETC., TO BE SUBMITTED FOR REVIEW. SHOP DRAWINGS SHALL PROVIDE ERECTION LAYOUT FOR TRUSSES, OUTRIGGERS, HEADERS, BRACING, ETC. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR LOCATIONS OF SUPPORTS.

6. CALCULATIONS AND DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.

7. MAXIMUM TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED L/240.

8. TRUSSES SHALL BE DESIGNED AND SPECIFICATIONS WITH MANUFACTURER'S RECOMMENDATION AND APPLICABLE REFERENCES NOTED HEREIN.

9. TRUSSES ARE NOT DESIGNED TO SUPPORT CONCENTRATED LOADS DUE TO ANY MECHANICAL TRUCK OR TRUCK TRAILER OR SPACED TYPE UNITS UNLESS SPECIFICALLY SHOWN ON CONTRACT DRAWINGS.

10. TRUSS SHOP DRAWINGS INCLUDING LATERAL BRACING DETAILS SHALL BE AVAILABLE ON THE JOBSITE DURING TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY ARE REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD.

11. TRUSSES ARE TO BE STORED OFF THE GROUND IN A MANNER WHICH WILL NOT DAMAGE OR WARP THE TRUSSES PRIOR TO ERECTION.

12. FIELD REPAIR OF DAMAGED TRUSSES MUST BE APPROVED IN WRITING BASED ON FIELD RE



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 04/27/22
DRAWN BY: JCG
APPROVED BY: WHSIII

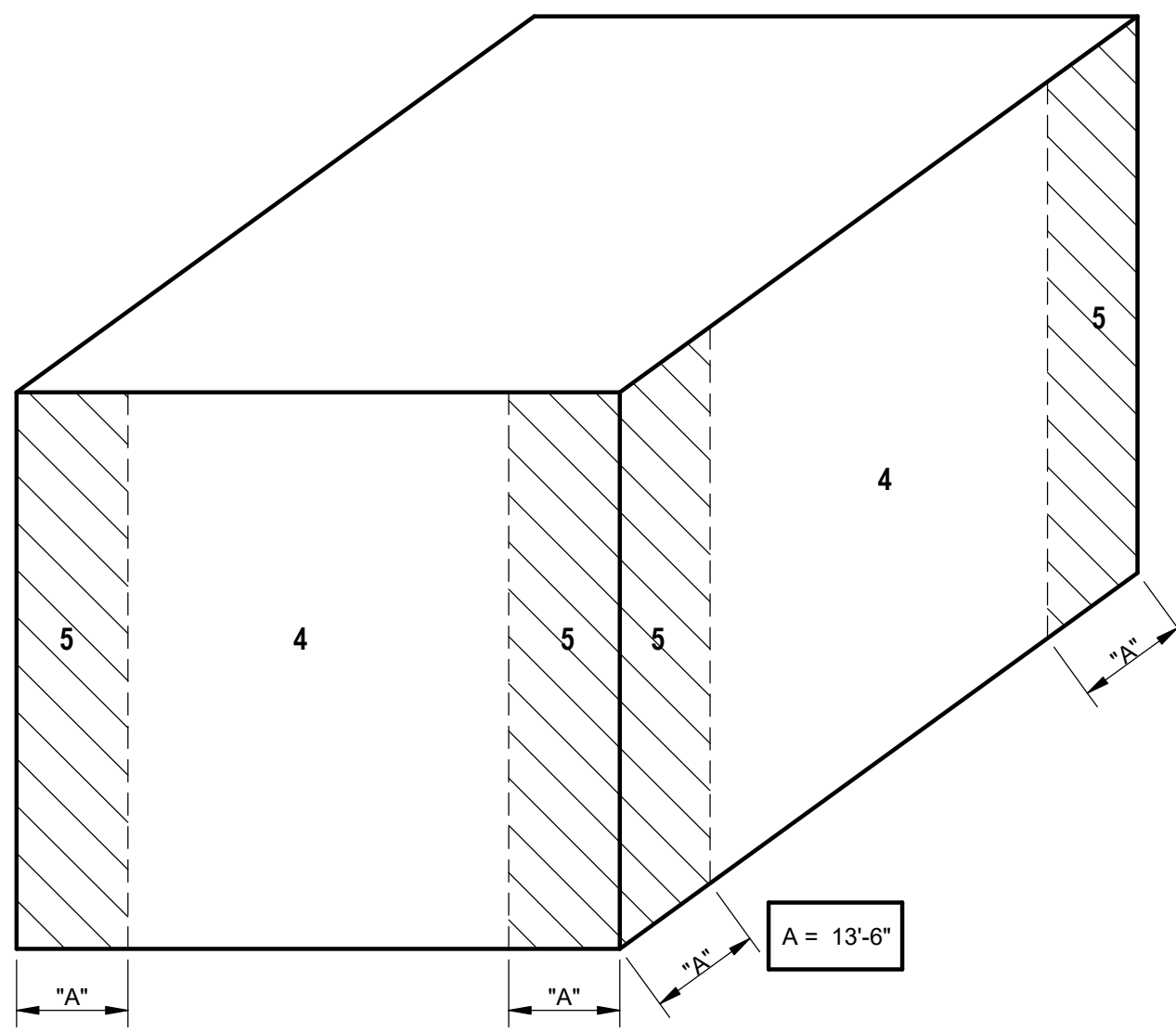
SCHEDULE OF REVISIONS

#	DATE	DESCRIPTION

COMPONENT AND CLADDING WIND PRESSURES

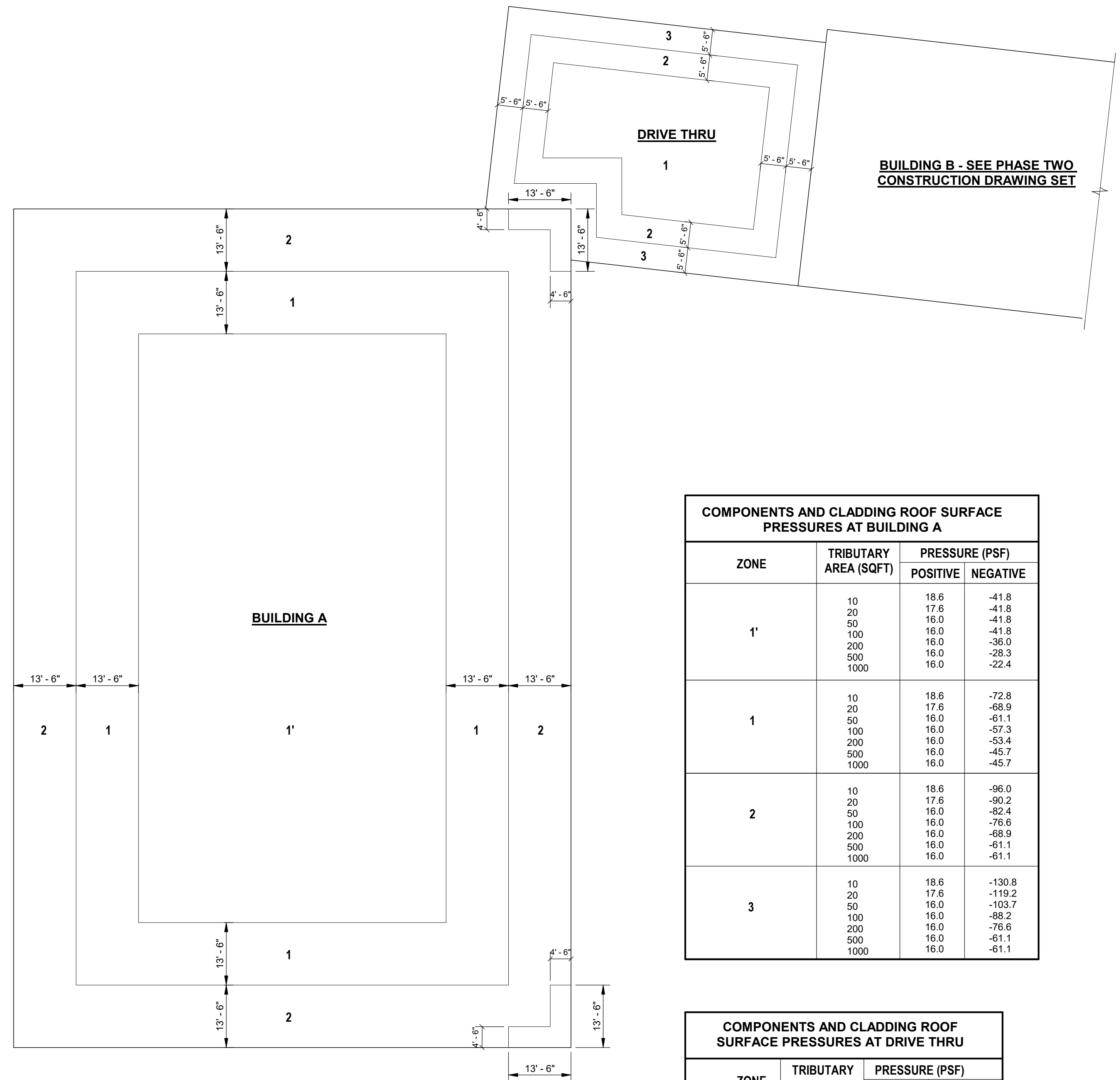
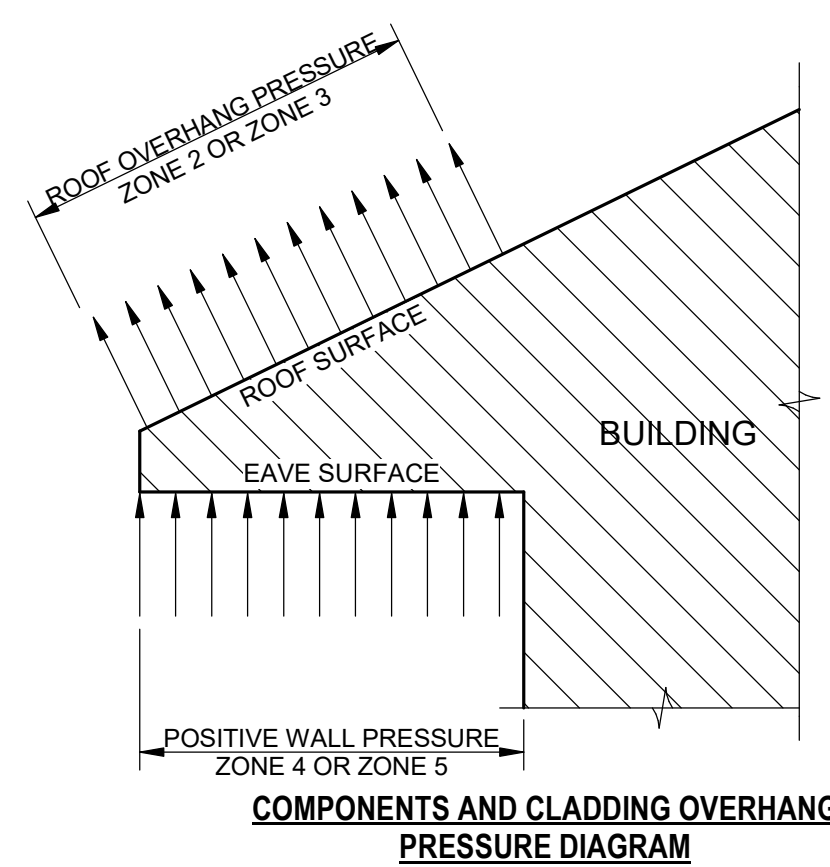
S0.2

- NOTES:**
- ALL WIND LOADING SHOWN HEREIN ARE UNFACTORED BASED ON ASCE-7-16 BASIC WIND SPEED (3 SECOND GUST) WHICH IS EQUIVALENT TO IBC ULTIMATE DESIGN WIND SPEED.
 - FOR STRENGTH DESIGN, USE WIND PRESSURES IN THE FOLLOWING COMBINATIONS:
1.2D + 1.6Lr + 0.5W
1.2D + 1.0W + 0.5Lr
0.9D + 1.0W
 - FOR ALLOWABLE STRESS DESIGN, USE WIND PRESSURES IN THE FOLLOWING COMBINATIONS:
D + 0.6W
D + 0.45W + 0.75Lr
0.6D + 0.6W
D = DEAD LOAD
Lr = ROOF LIVE LOAD
W = WIND LOAD
 - OPTIONALLY, COMPONENTS AND CLADDING MANUFACTURERS CAN CALCULATE WIND PRESSURES AND GEOMETRY FOR ALL ZONES USING APPLICABLE PROCEDURES IN ASCE7-16. ALL DESIGNS SHALL BE COMPLETED USING THE LOAD COMBINATIONS IN CHAPTER 2 OF ASCE 7-16 AND CHAPTER 16 OF IBC 2018.



ZONE	TRIBUTARY AREA (SQFT)	PRESSURE (PSF)	
		POSITIVE	NEGATIVE
WALL & EAVE SURFACE	10	41.8	-45.3
	20	39.4	-43.5
	50	37.3	-41.1
	100	35.9	-39.4
	200	33.8	-37.3
	500	31.3	-34.8
WALL & EAVE SURFACE EDGE	10	41.8	-55.7
	20	39.4	-51.5
	50	37.3	-47.0
	100	35.9	-44.2
	200	33.8	-39.4
	500	31.3	-34.8

NOTE:
FLAT ROOF IS SHOWN, BUT DIAGRAM IS SIMILAR AT ALL ROOF TYPES AND CONFIGURATIONS.



ZONE	TRIBUTARY AREA (SQFT)	PRESSURE (PSF)	
		POSITIVE	NEGATIVE
1'	10	18.6	-41.8
	20	17.6	-41.8
	50	16.0	-41.8
	100	16.0	-41.8
	200	16.0	-36.0
	500	16.0	-22.4
1	10	18.6	-72.8
	20	17.6	-68.9
	50	16.0	-61.1
	100	16.0	-57.3
	200	16.0	-53.4
	500	16.0	-45.7
2	10	18.6	-96.0
	20	17.6	-90.2
	50	16.0	-82.4
	100	16.0	-76.6
	200	16.0	-68.9
	500	16.0	-61.1
3	10	18.6	-130.8
	20	17.6	-119.2
	50	16.0	-103.7
	100	16.0	-88.2
	200	16.0	-76.6
	500	16.0	-61.1

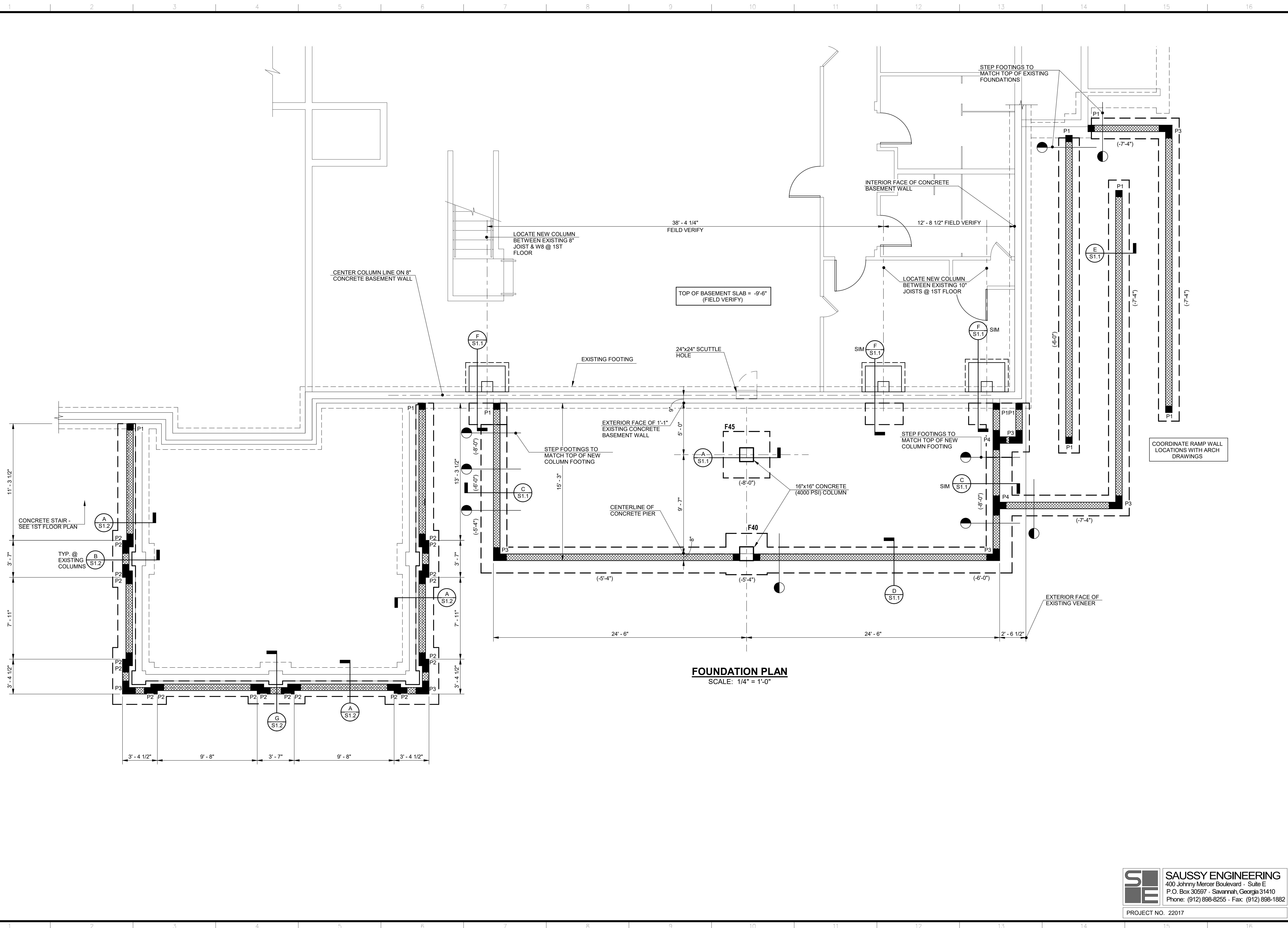
ZONE	TRIBUTARY AREA (SQFT)	PRESSURE (PSF)	
		POSITIVE	NEGATIVE
1	27	50.9	-53.7
	105	50.9	-53.7
	>105	50.9	-53.7
2	27	76.4	-81.9
	105	76.4	-81.9
	>105	50.9	-53.7
3	27	101.8	-160.9
	105	76.4	-81.9
	>105	50.9	-53.7

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PROJECT NO. 22017



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458



FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

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PROJECT NO. 22017

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 04/27/22
DRAWN BY: JCG
APPROVED BY: WHSIII

SCHEDULE OF REVISIONS

#	DATE	DESCRIPTION

FOUNDATION PLAN

S1.0

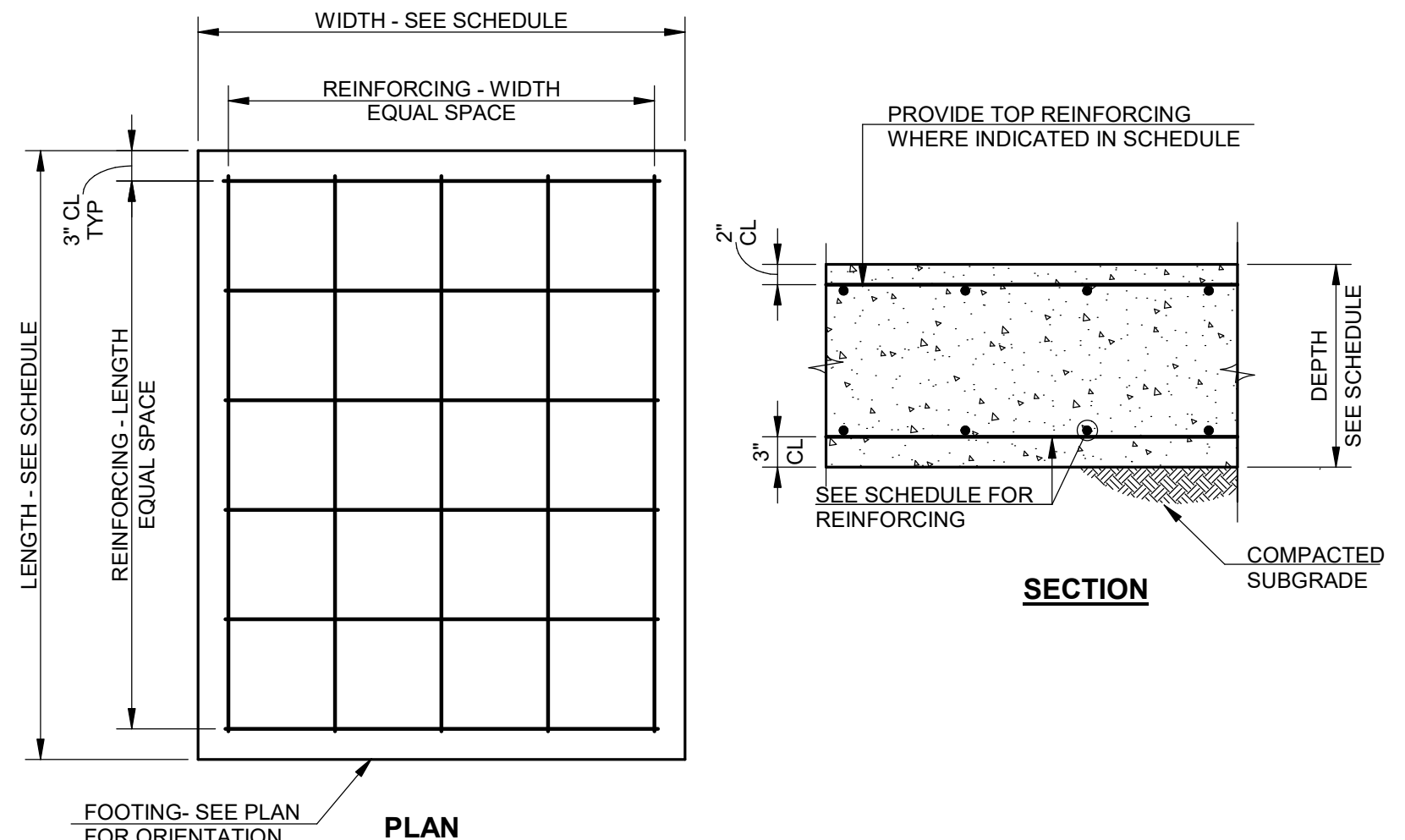
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FOR CONSTRUCTION		
PROJECT NUMBER:	2163	
PROJECT DATE:	04/27/22	
DRAWN BY:	JCG	
APPROVED BY:	WHSIII	
SCHEDULE OF REVISIONS		
#	DATE	DESCRIPTION

FOUNDATION SECTIONS

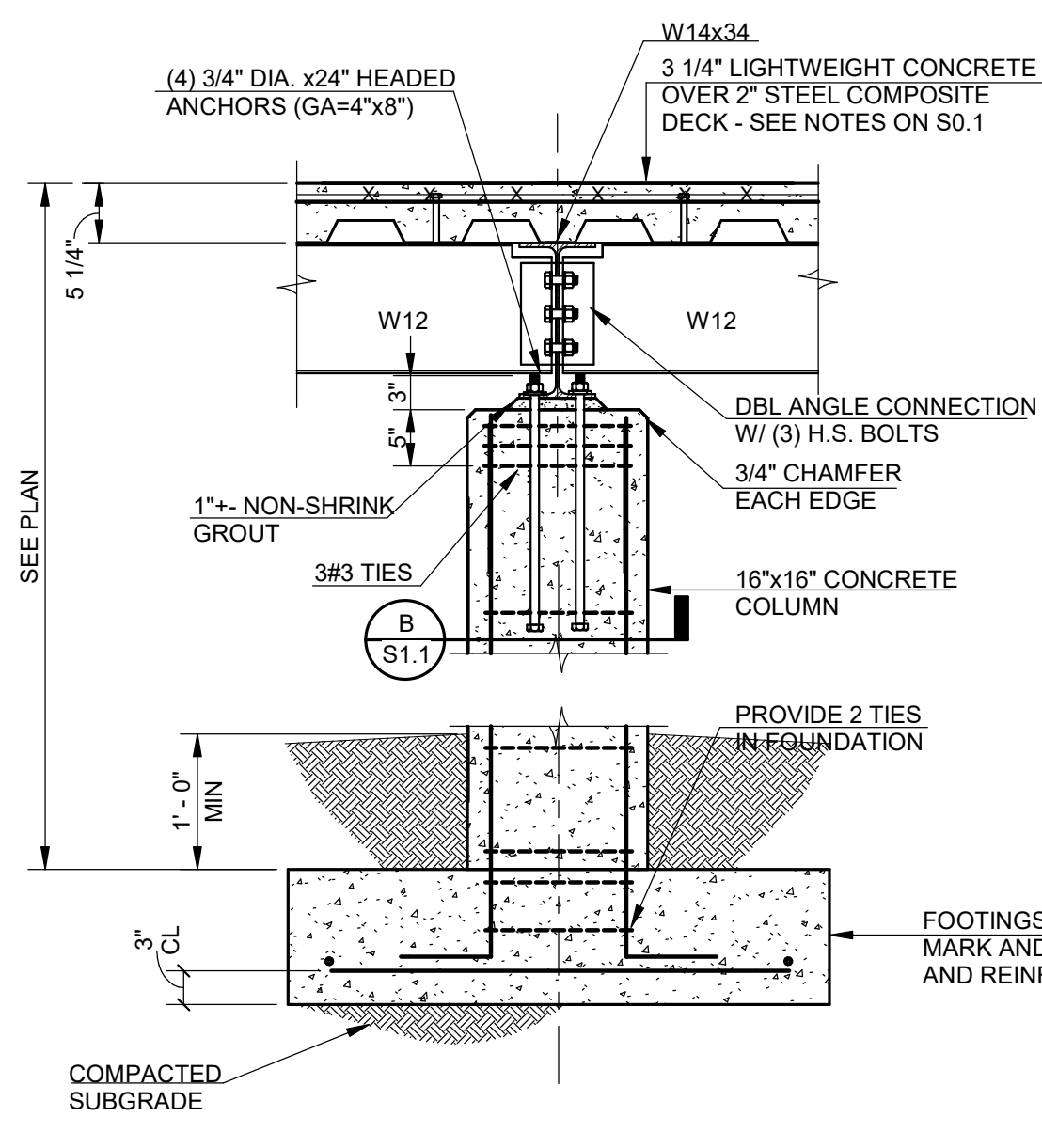
S1.1

FOOTING SCHEDULE						
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING - LENGTH	REINFORCING - WIDTH	NOTES
F40	4'-0"	4'-0"	1'-4"	6#4	6#4	
F45	4'-6"	4'-6"	1'-0"	6#4	6#4	

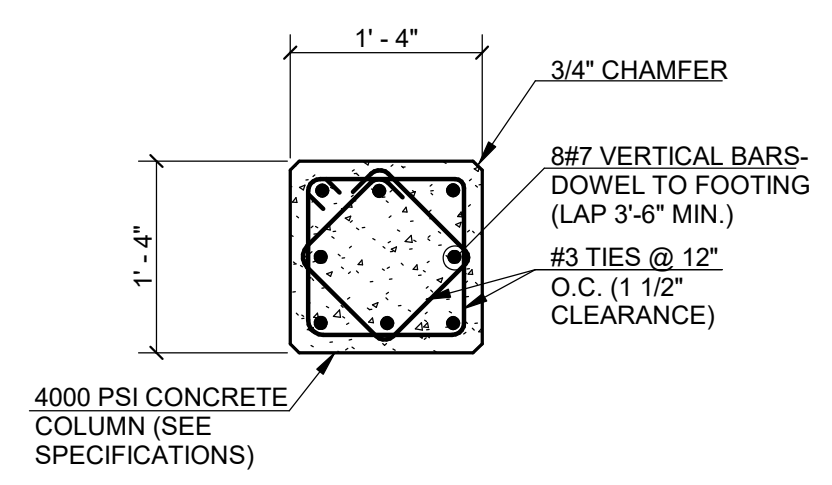


FOOTING SCHEDULE REINFORCING DETAIL

- NOTES:
1. UNLESS NOTED, CENTER FOOTING ON COLUMN OR WALL(S).
2. UNLESS NOTED IN COLUMN SCHEDULE OR PLAN, PROVIDE BOTTOM REINFORCING ONLY. MAINTAIN A MINIMUM OF 3" CLEAR FROM BOTTOM.
3. IF TOP REINFORCING IS SCHEDULED, PROVIDE SCHEDULED REINFORCING IN TOP AND BOTTOM. AT BOTTOM MAT MAINTAIN 3" CLEAR FROM BOTTOM AND AT TOP MAT MAINTAIN 2" CLEAR FROM TOP.

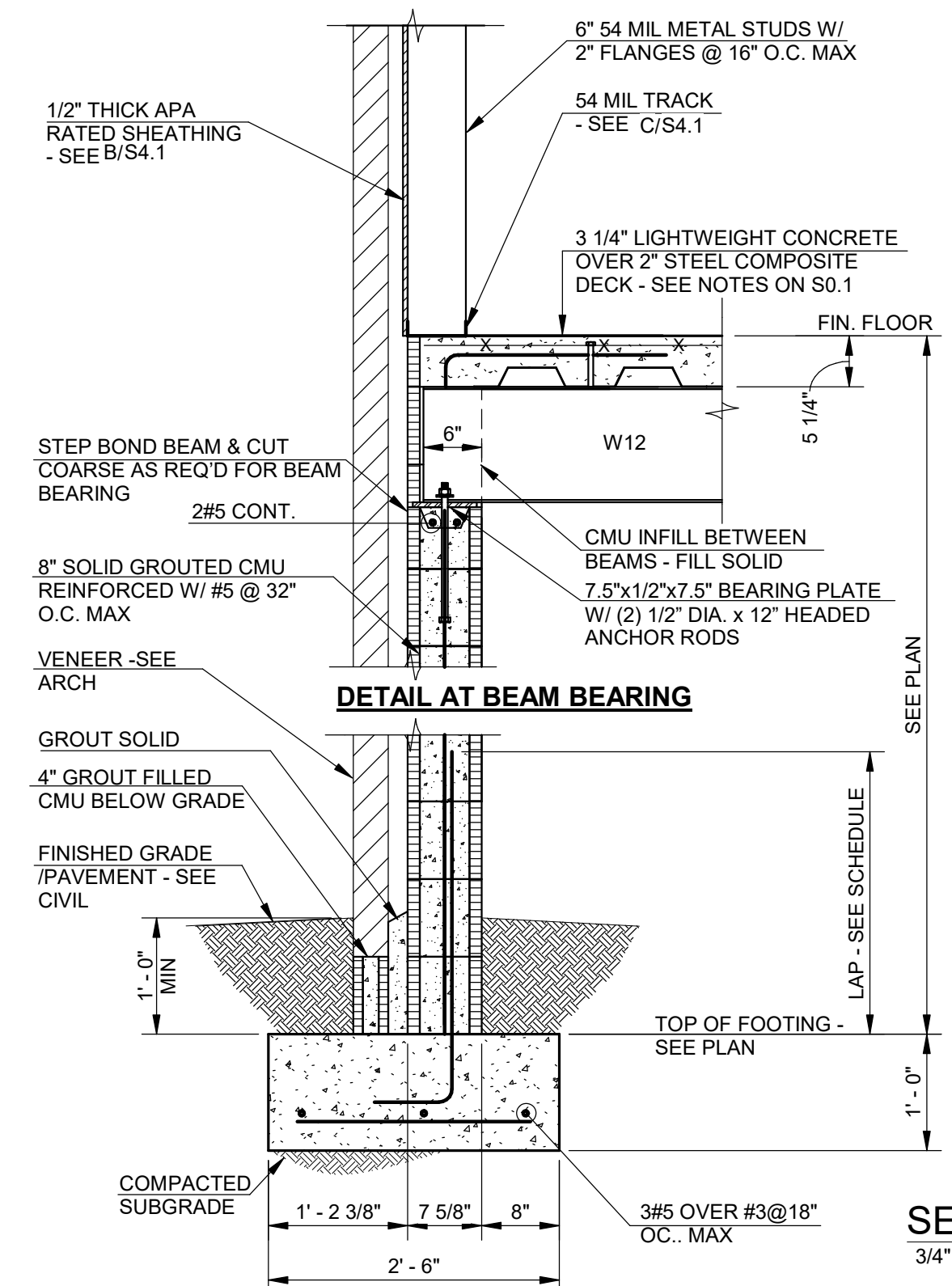


SECTION A
3/4" = 1'-0"

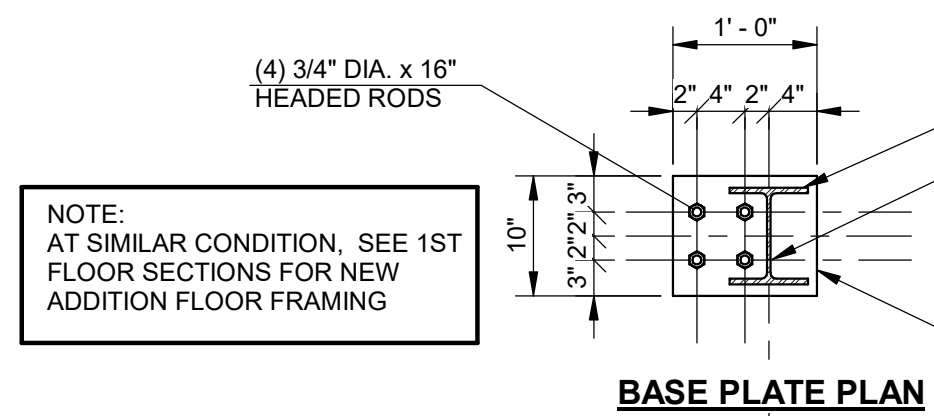


SECTION B
3/4" = 1'-0"

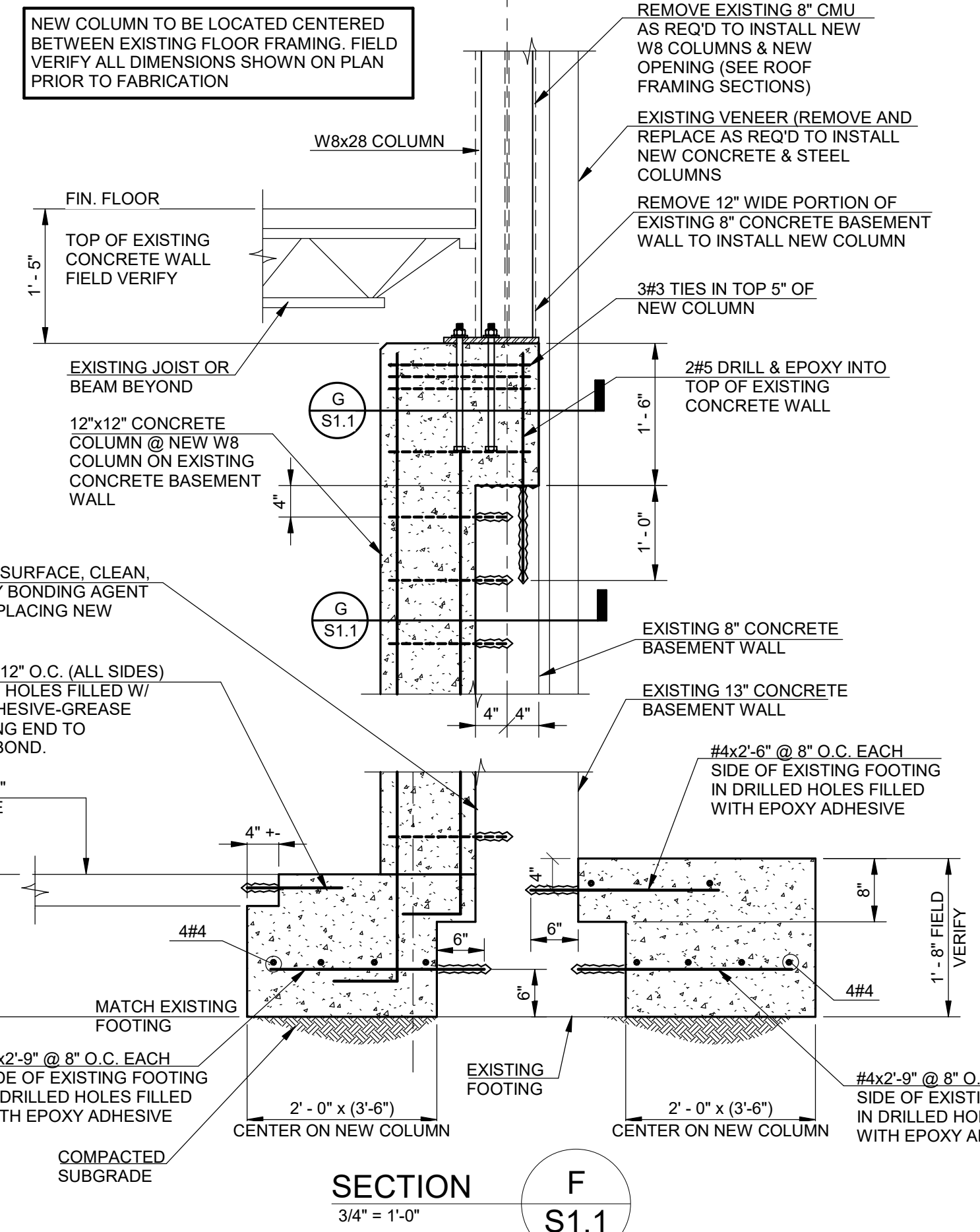
NOTE:
ALL STRUCTURAL STEEL EXPOSED WITHIN CRAWL SPACE SHALL BE HOT-DIPPED GALVANIZED. SEE STEEL FRAMING NOTE 8 ON S0.1.



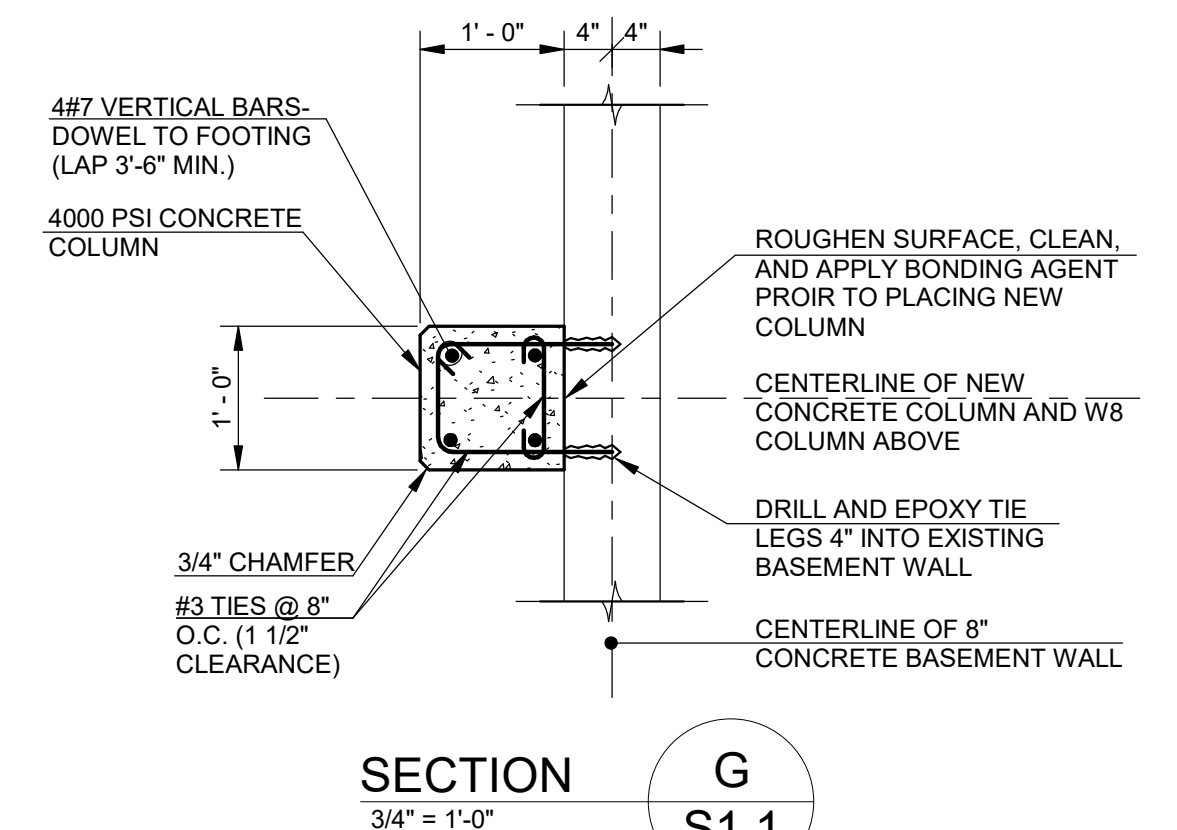
SECTION C
3/4" = 1'-0"



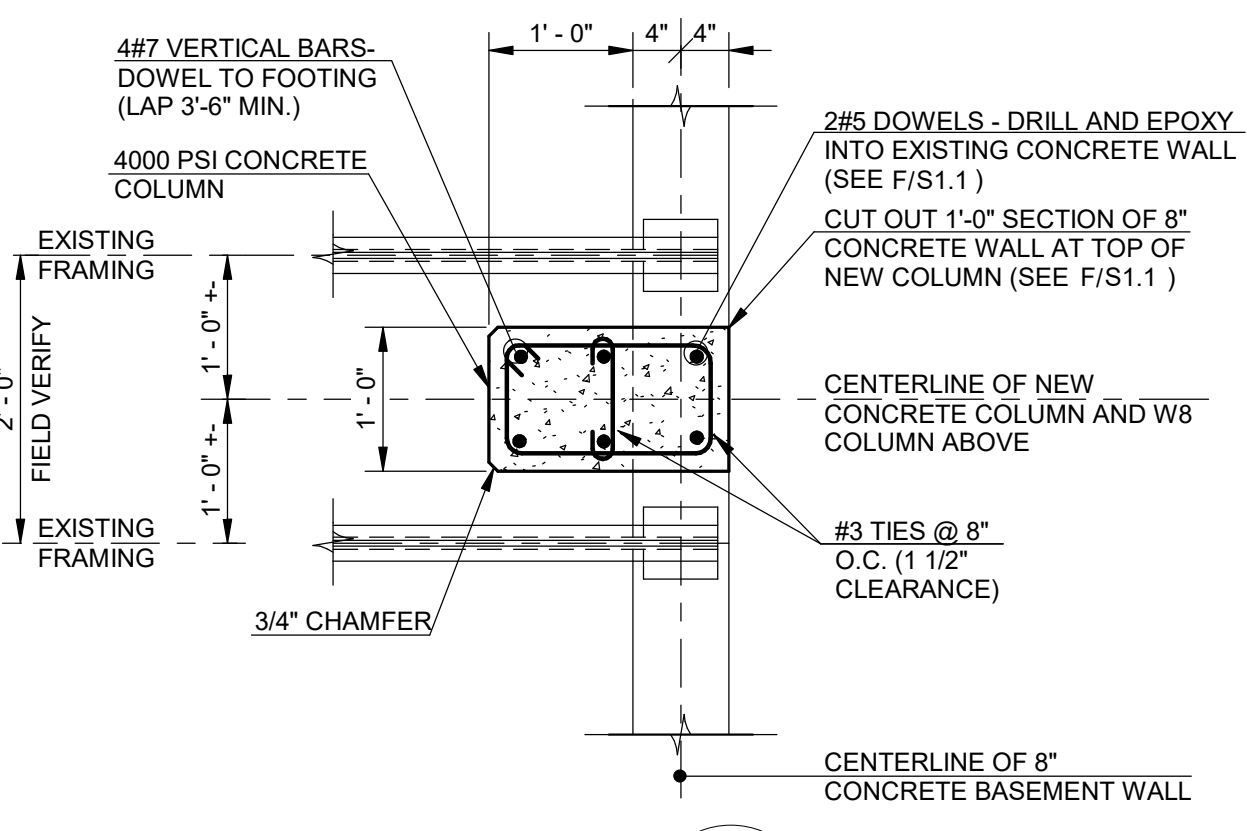
NOTE:
AT SIMILAR CONDITION, SEE 1ST FLOOR SECTIONS FOR NEW ADDITION FLOOR FRAMING



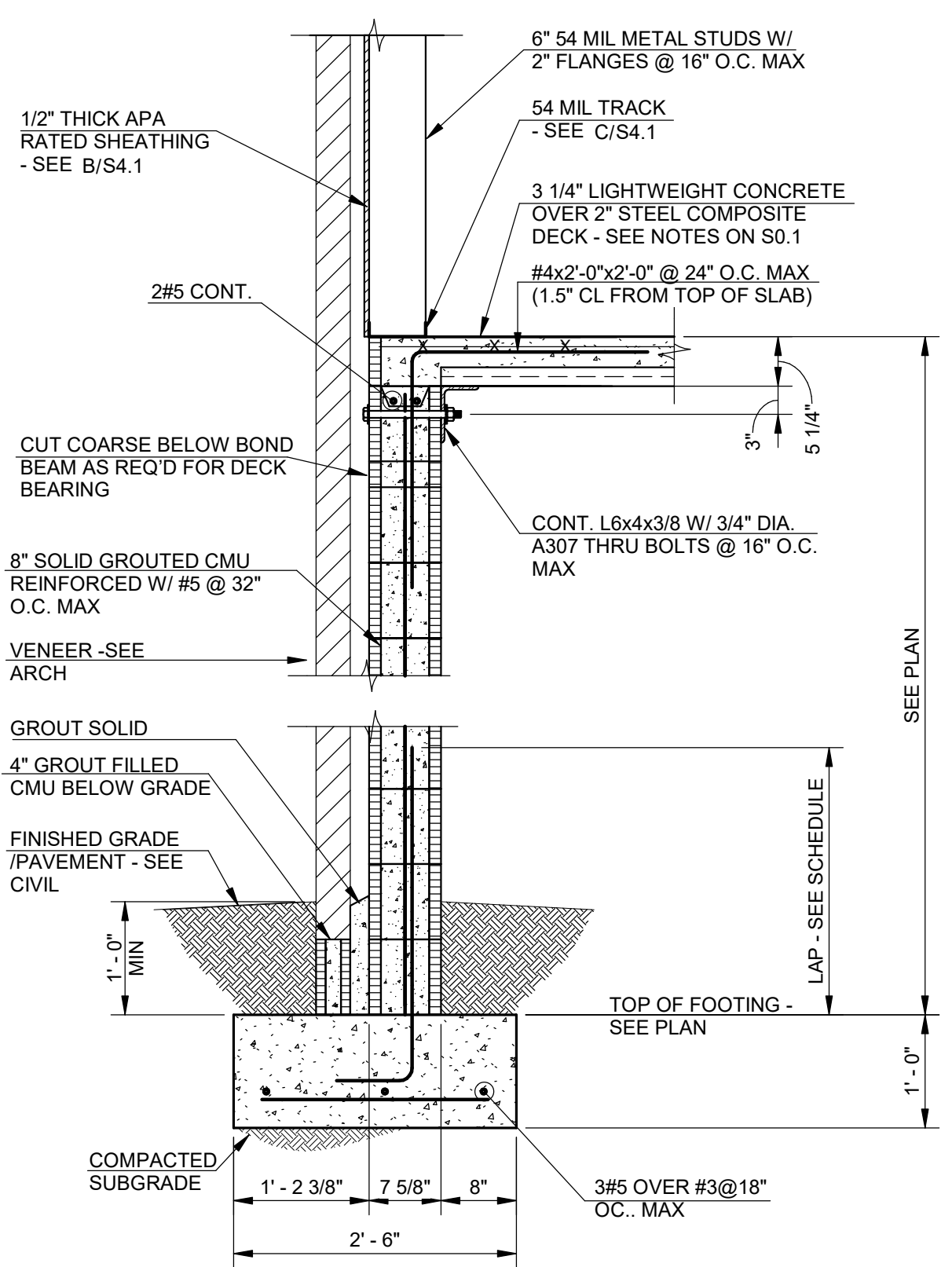
SECTION F
3/4" = 1'-0"



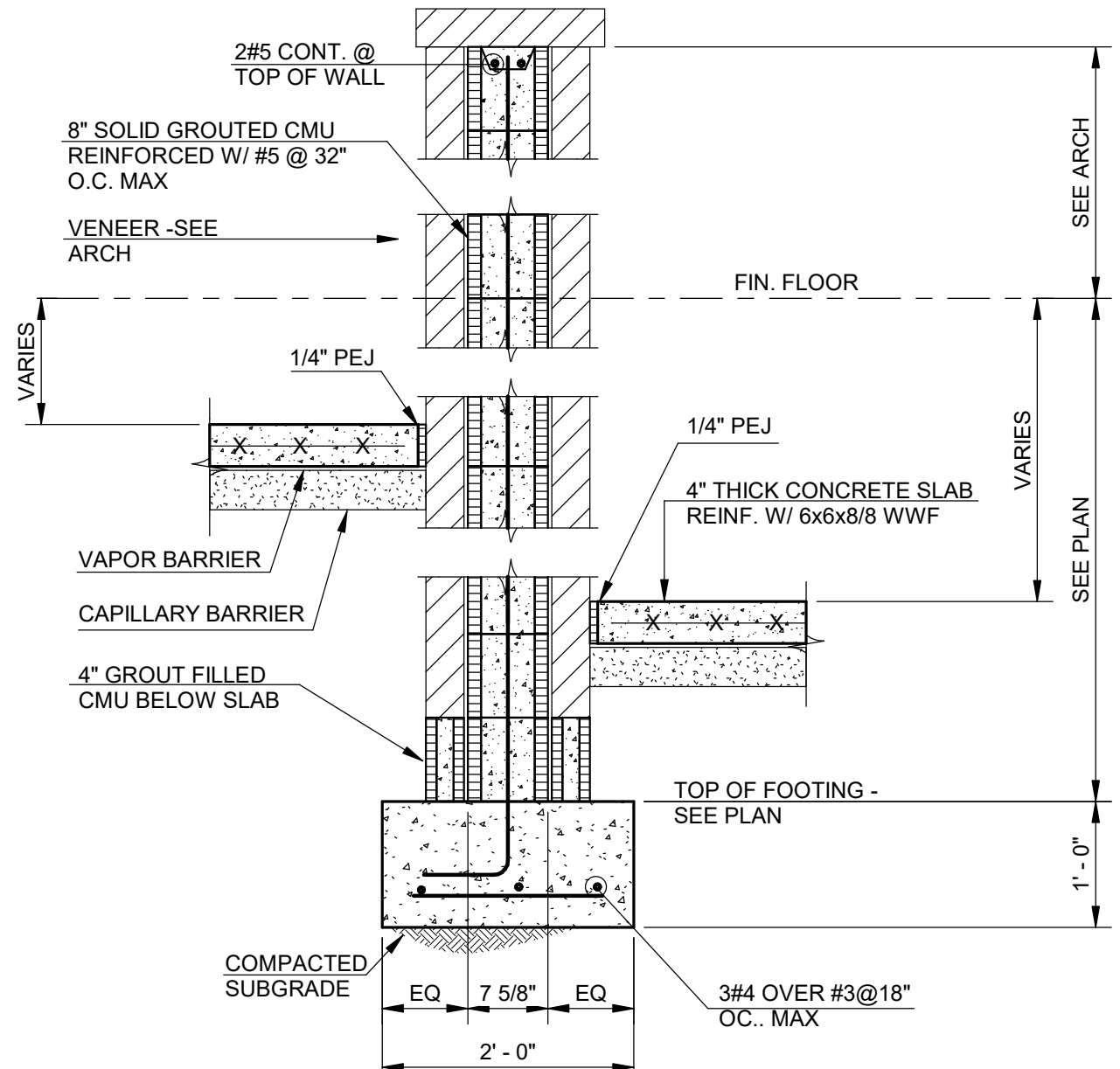
SECTION G
3/4" = 1'-0"



SECTION H
3/4" = 1'-0"



SECTION D
3/4" = 1'-0"



SECTION E
3/4" = 1'-0"

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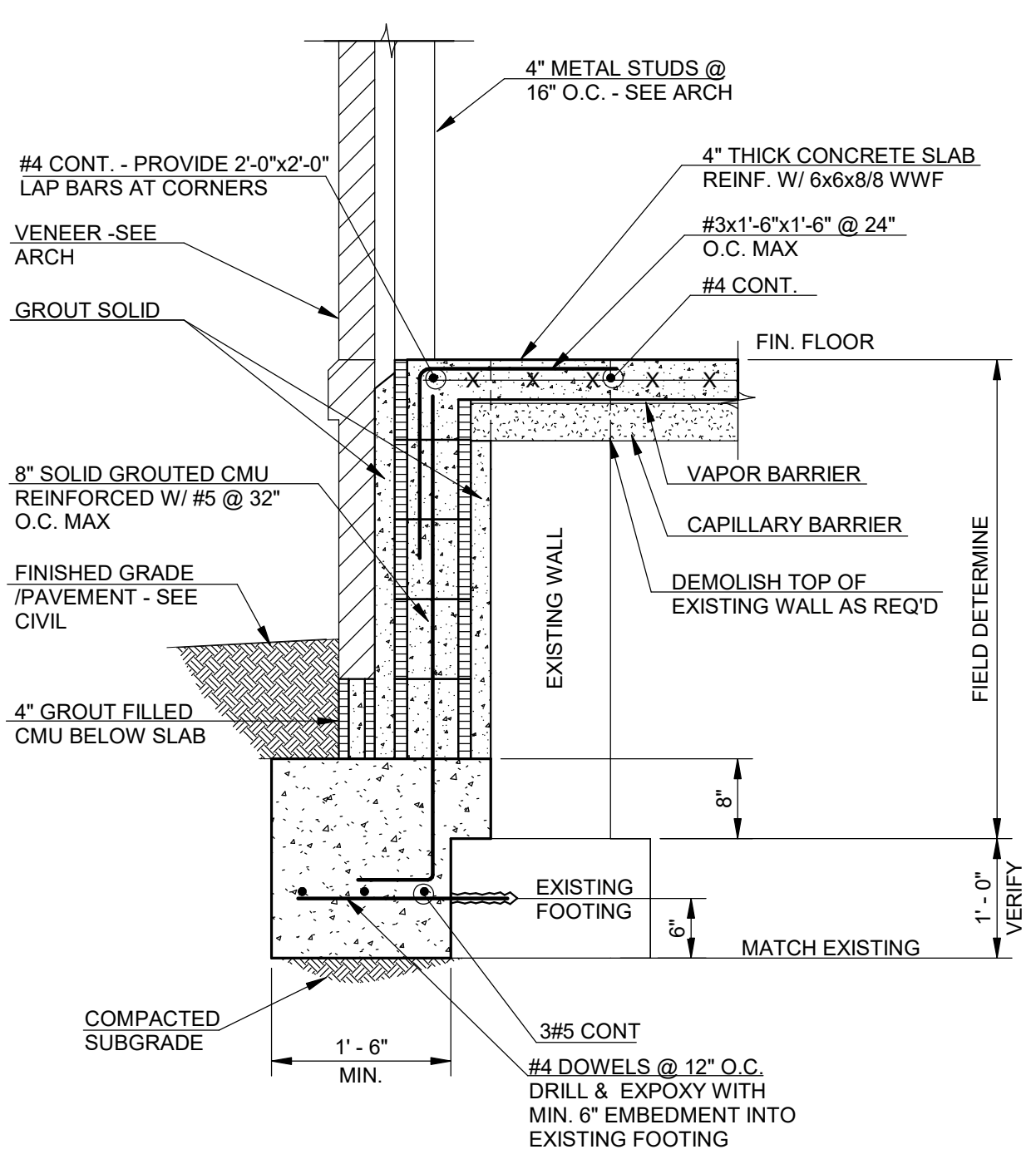
FOR CONSTRUCTION

PROJECT NUMBER: 2163
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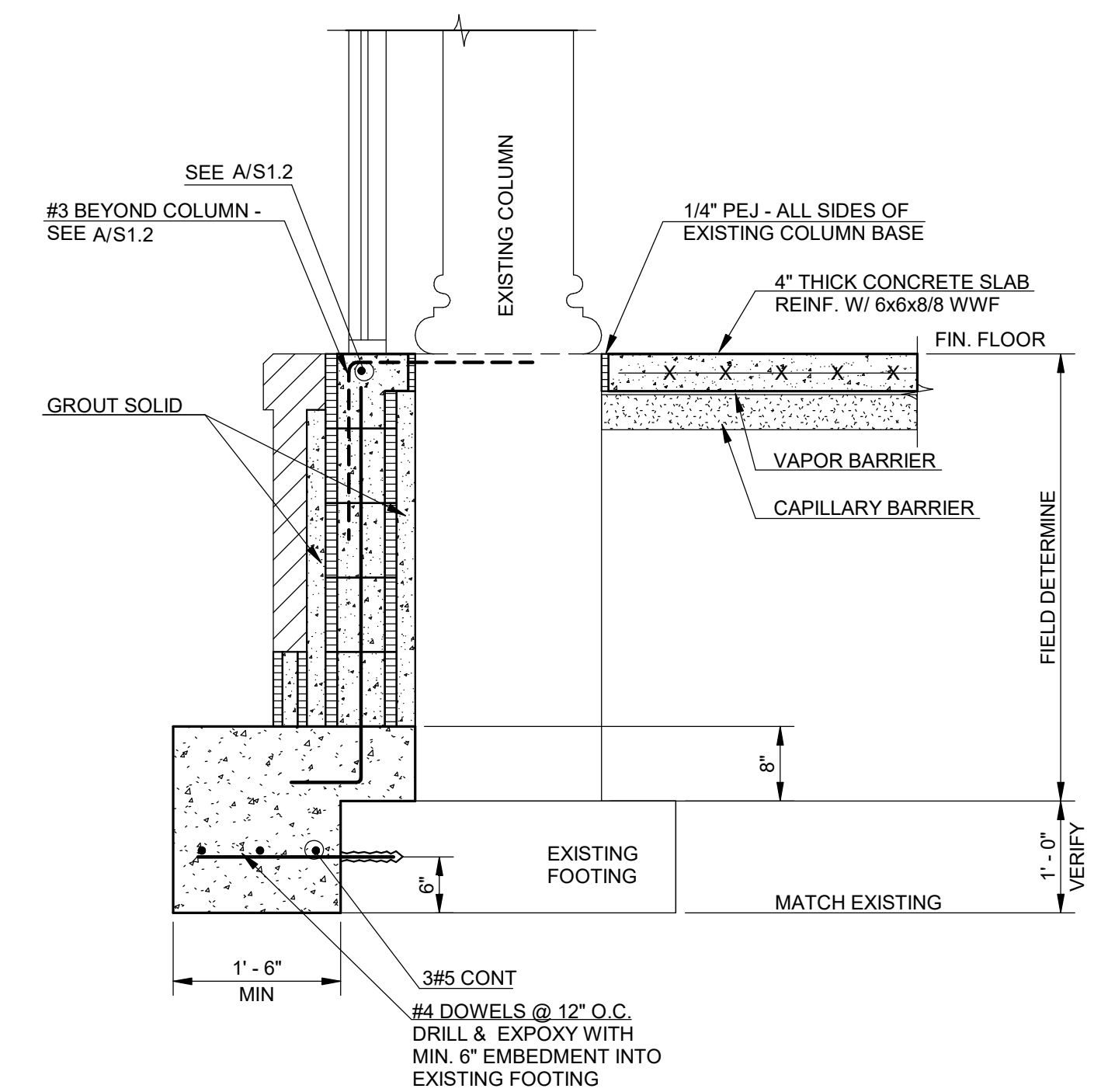
SCHEDULE OF REVISIONS		
#	DATE	DESCRIPTION

**FOUNDATION
SECTIONS**

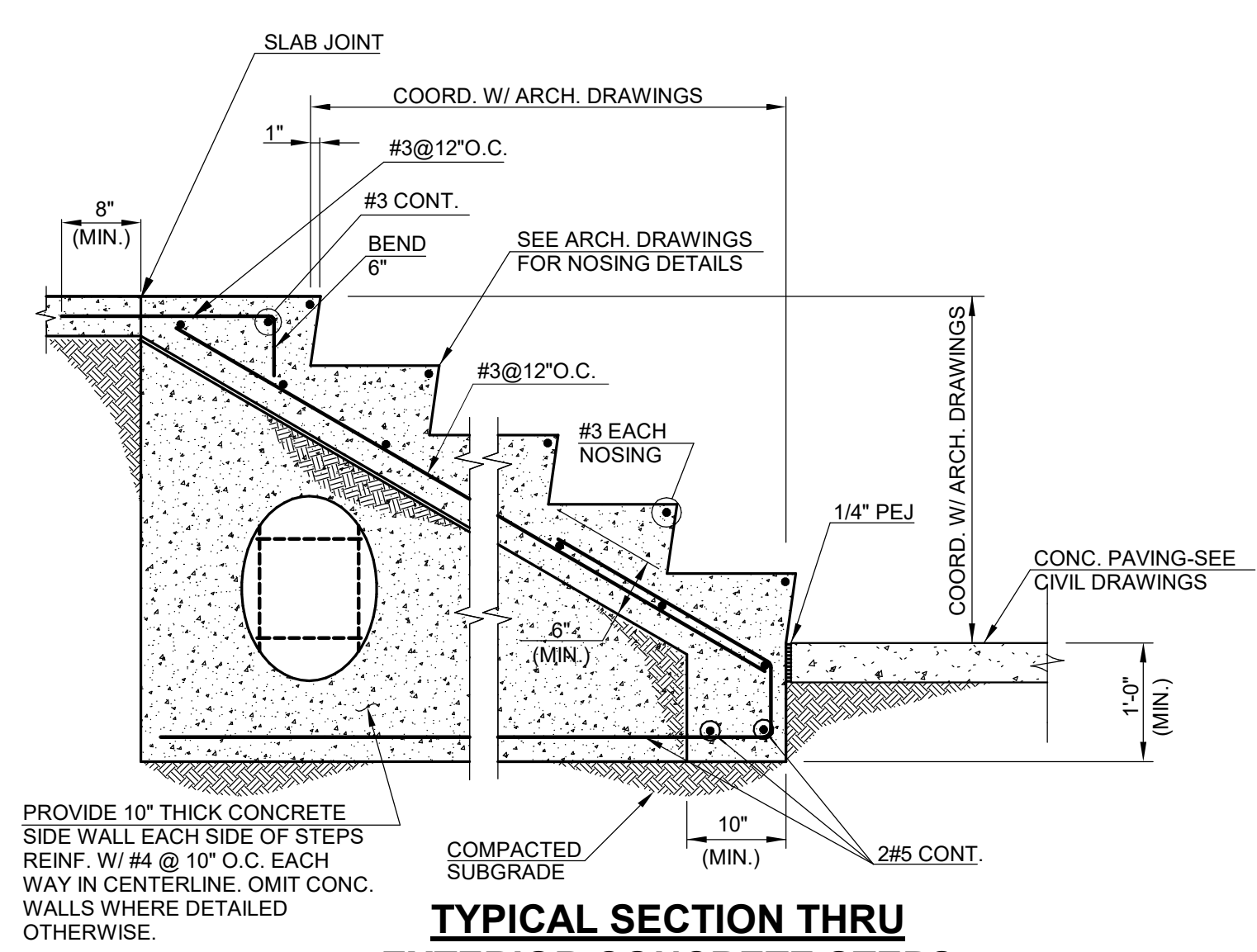
S1.2



SECTION **A**
S1.2
3/4" = 1'-0"

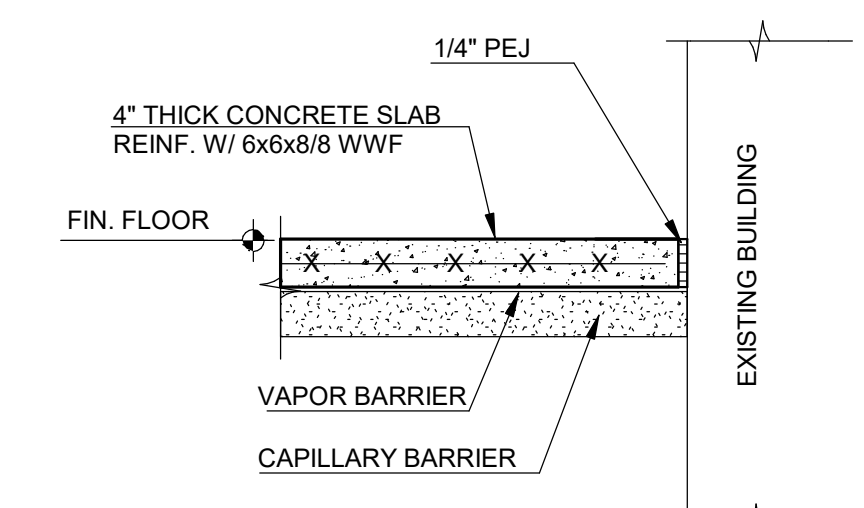


SECTION **B**
S1.2
3/4" = 1'-0"

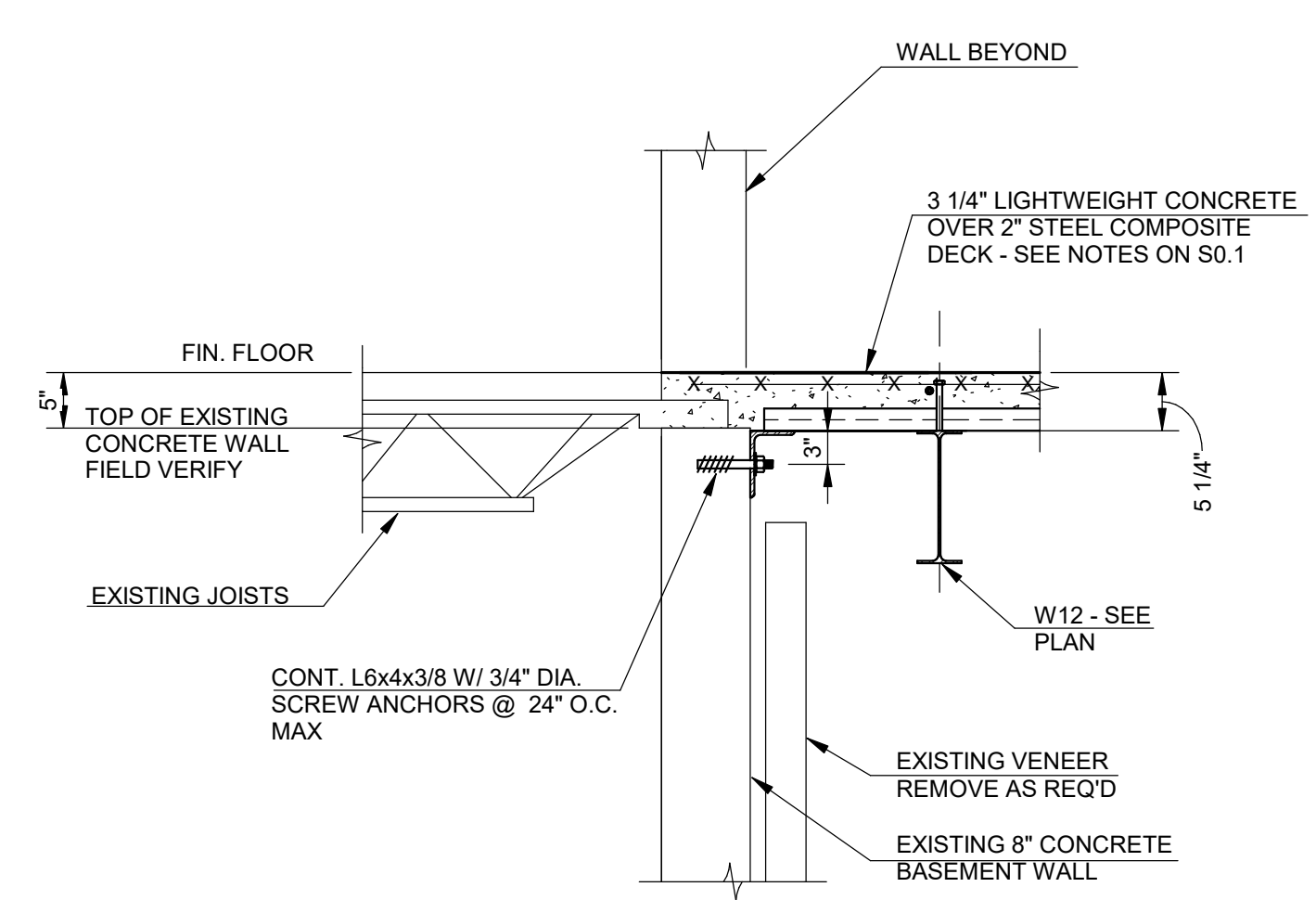


**TYPICAL SECTION THRU
EXTERIOR CONCRETE STEPS**
NOT TO SCALE

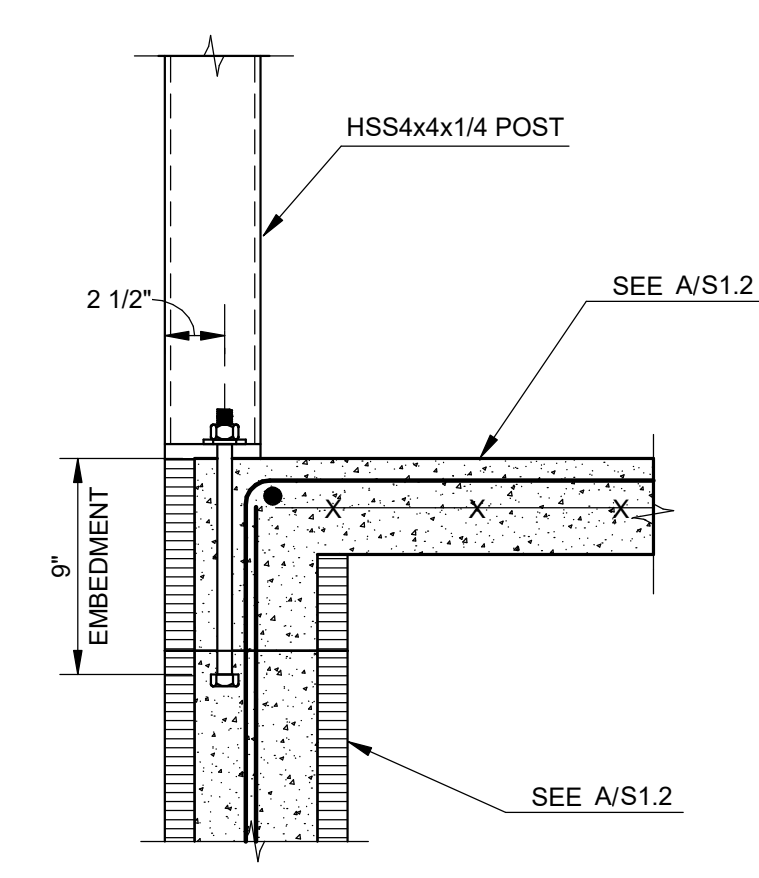
TYPICAL
DETAIL **C**
S1.2



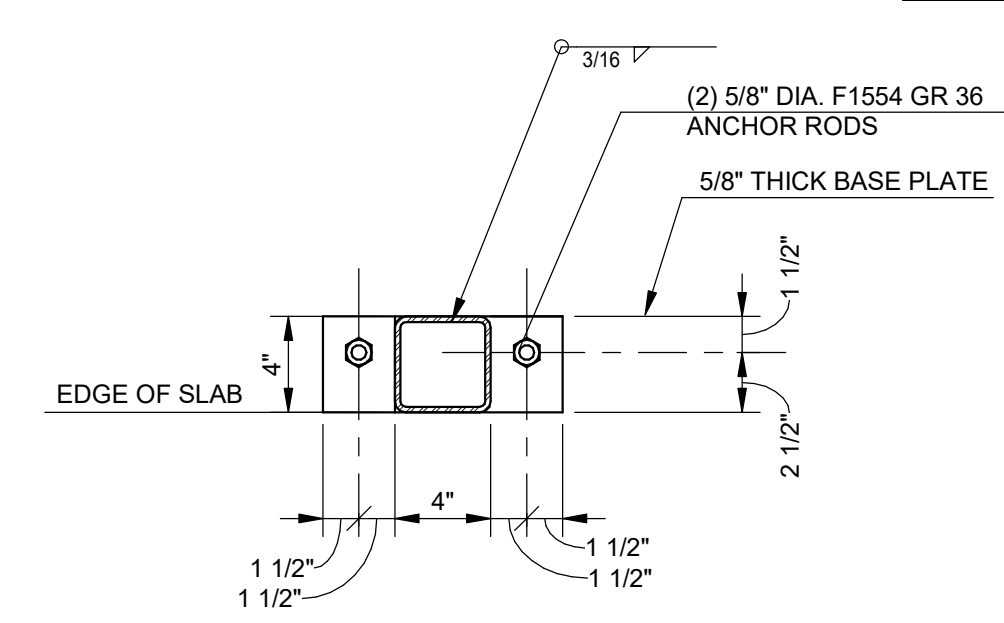
SECTION **D**
S1.2
3/4" = 1'-0"



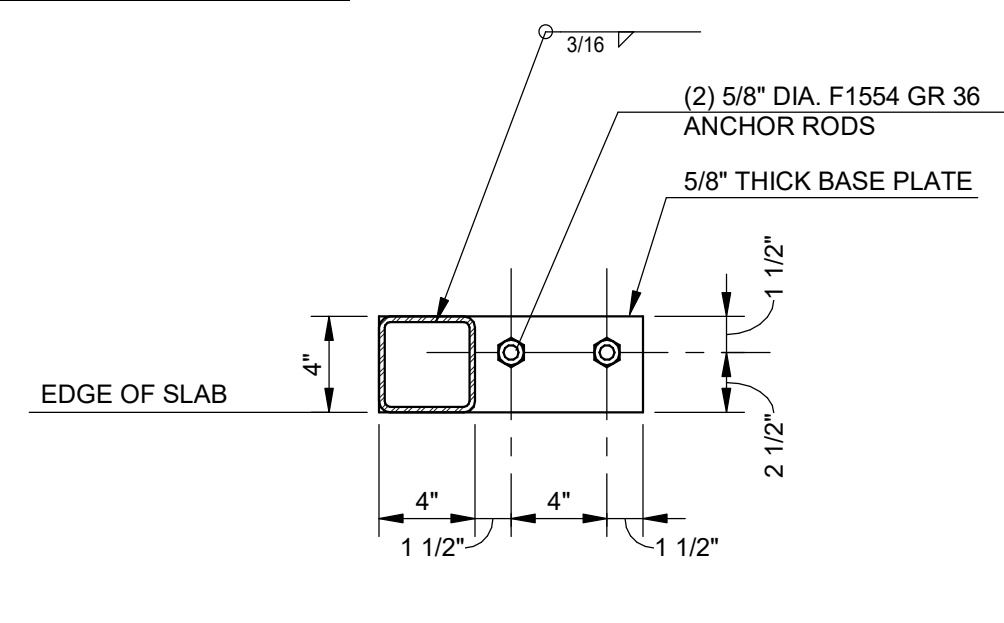
SECTION **E**
S1.2
3/4" = 1'-0"



SECTION AT HSS4x4x1/4 POST



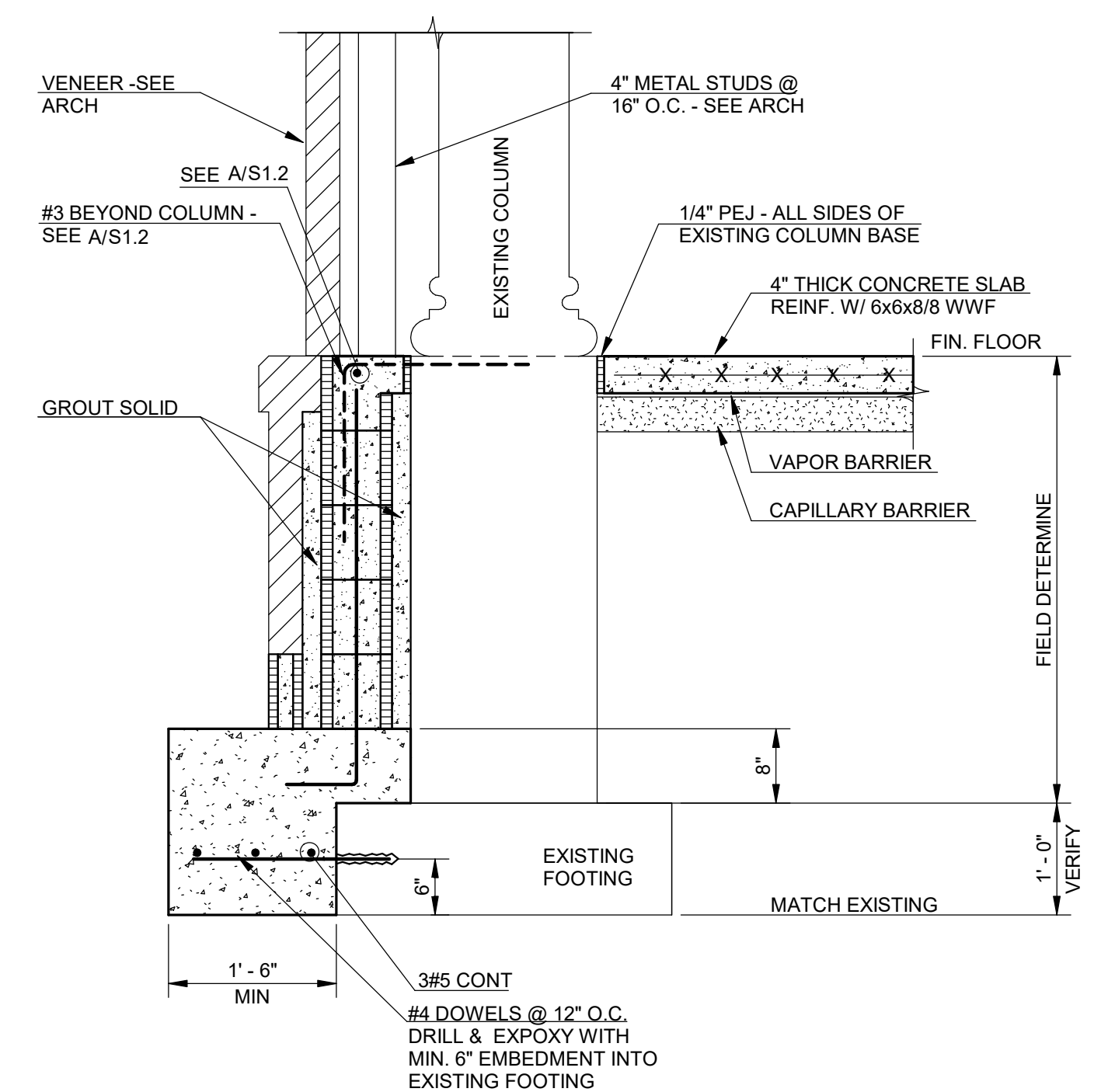
BASE PLATE DETAIL FOR HSS4x4x1/4
IN 4" METAL STUD WALL



BASE PLATE DETAIL FOR HSS4x4x1/4
POST ADJACENT CURTAIN WALL

**TYPICAL DETAILS AT HSS4x4x1/4 POSTS
(INDICATED AS "HSS44" ON 1ST FLOOR PLAN)**

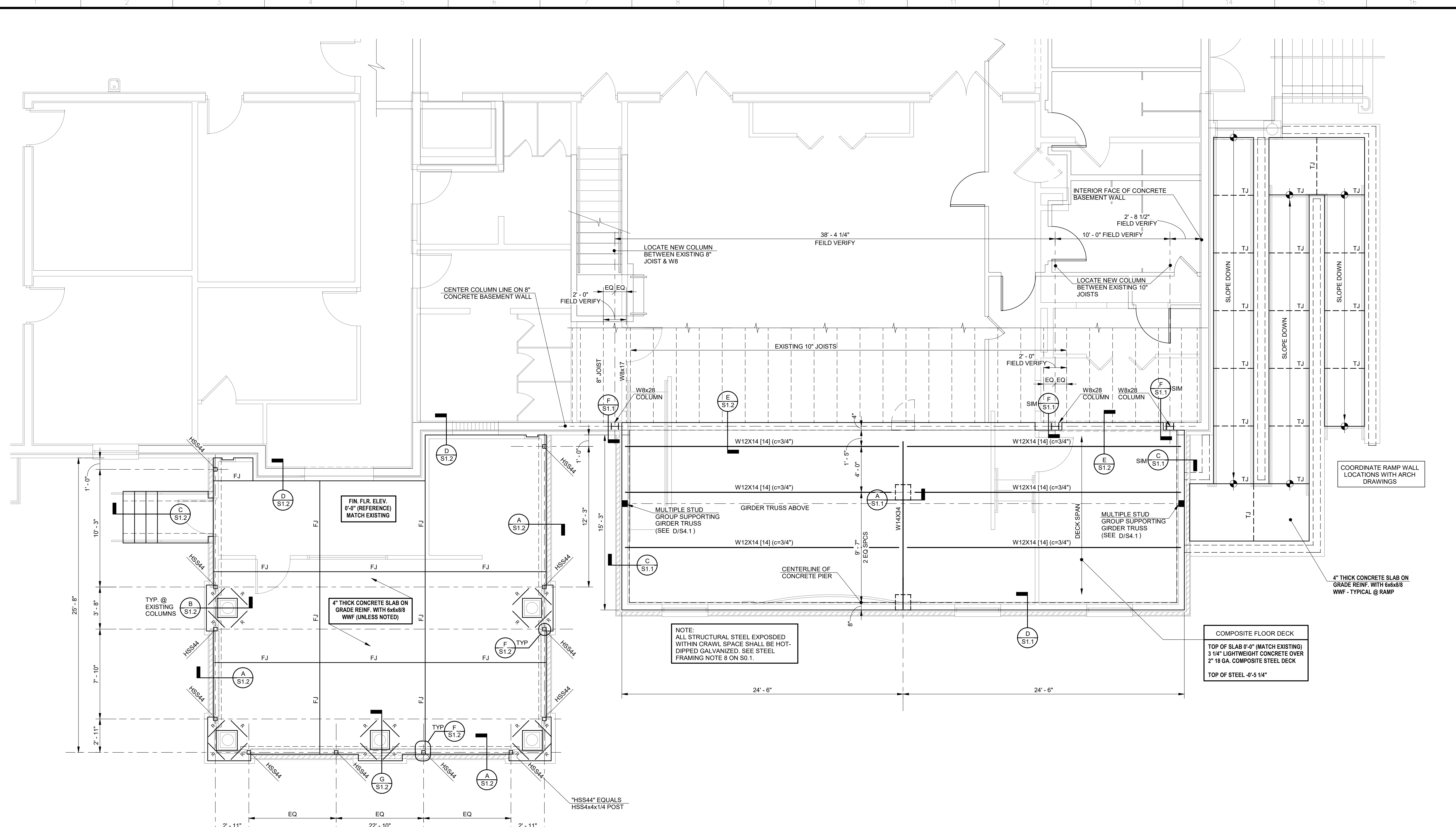
TYPICAL
DETAIL **F**
S1.2



SECTION **G**
S1.2
3/4" = 1'-0"



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
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1ST FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTE:
ALL STRUCTURAL STEEL EXPOSED
WITHIN CRAWL SPACE SHALL BE HOT-
DIPPED GALVANIZED. SEE STEEL
FRAMING NOTE 8 ON S0.1.

COMPOSITE FLOOR DECK
TOP OF SLAB 0'-0" (MATCH EXISTING)
3 1/4" LIGHTWEIGHT CONCRETE OVER
2" 18 GA. COMPOSITE STEEL DECK
TOP OF STEEL 0'-5 1/4"

4" THICK CONCRETE SLAB ON
GRADE REINF. WITH 6x6x8
WWF - TYPICAL @ RAMP

COORDINATE RAMP WALL
LOCATIONS WITH ARCH
DRAWINGS

FOR CONSTRUCTION

PROJECT NUMBER: 2163
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DRAWN BY: JCG
APPROVED BY: WHSIII

SCHEDULE OF REVISIONS

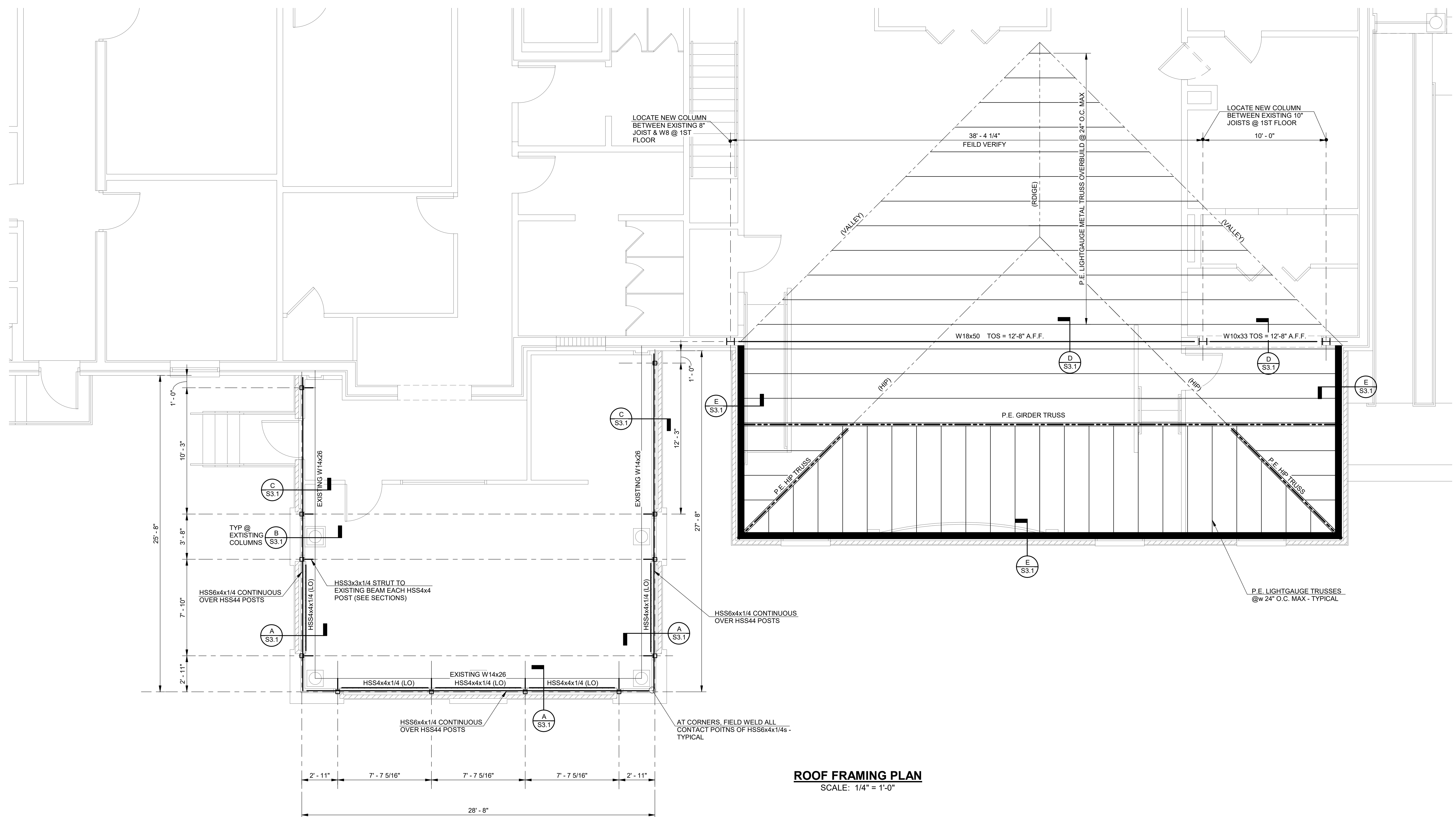
#	DATE	DESCRIPTION

1ST FLOOR PLAN

S2.0



**RENOVATION & ADDITION
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ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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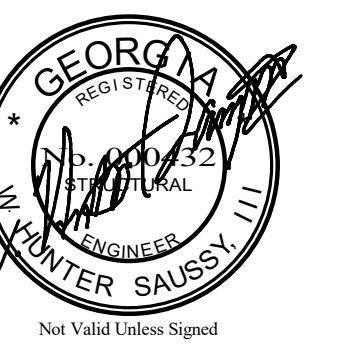
#	DATE	DESCRIPTION

ROOF FRAMING PLAN

S3.0

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400 Johnny Mercer Boulevard - Suite E
P.O. Box 30597 - Savannah, Georgia 31410
Phone: (912) 898-8255 - Fax: (912) 898-1882

PROJECT NO. 22017



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 04/27/22
DRAWN BY: JCG
APPROVED BY: WSHIII

SCHEDULE OF REVISIONS

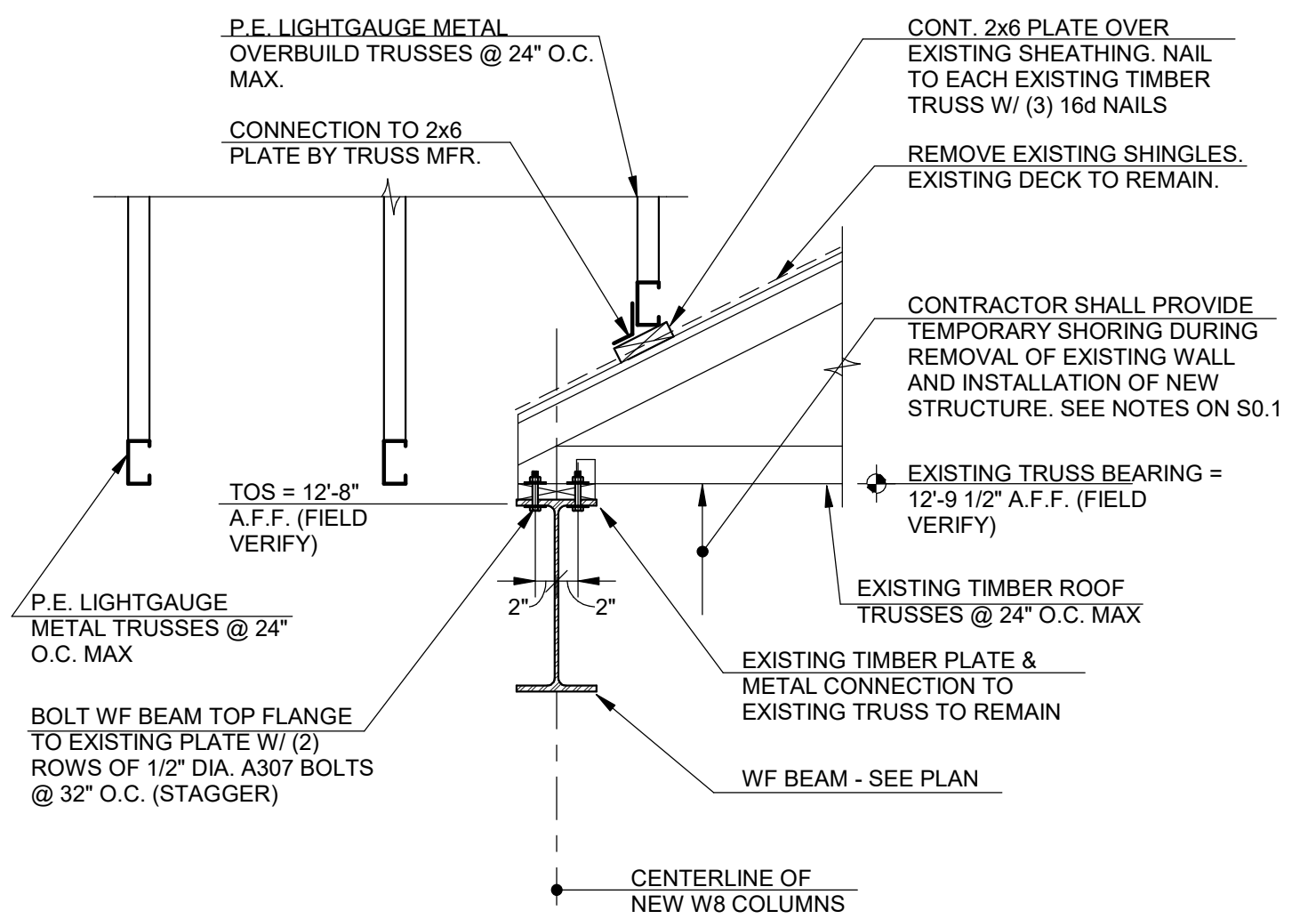
#	DATE	DESCRIPTION

**ROOF FRAMING
SECTIONS**

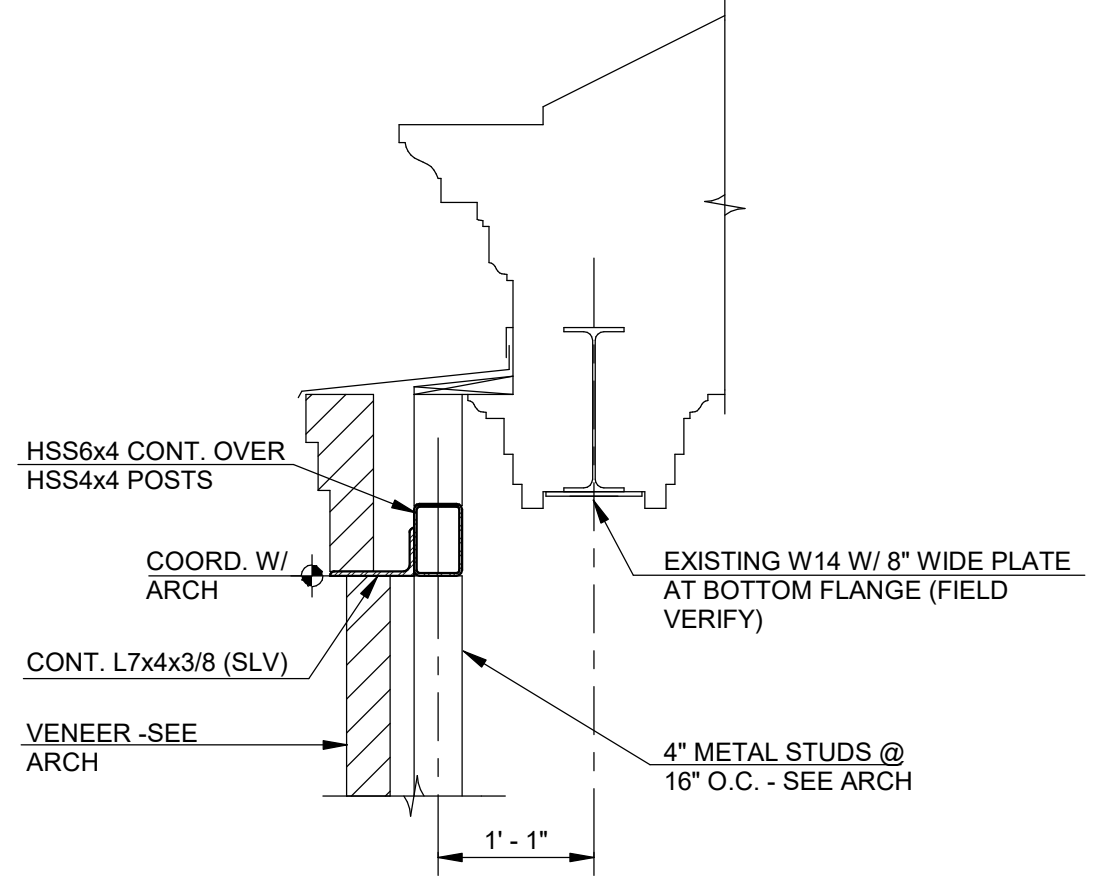
S3.1

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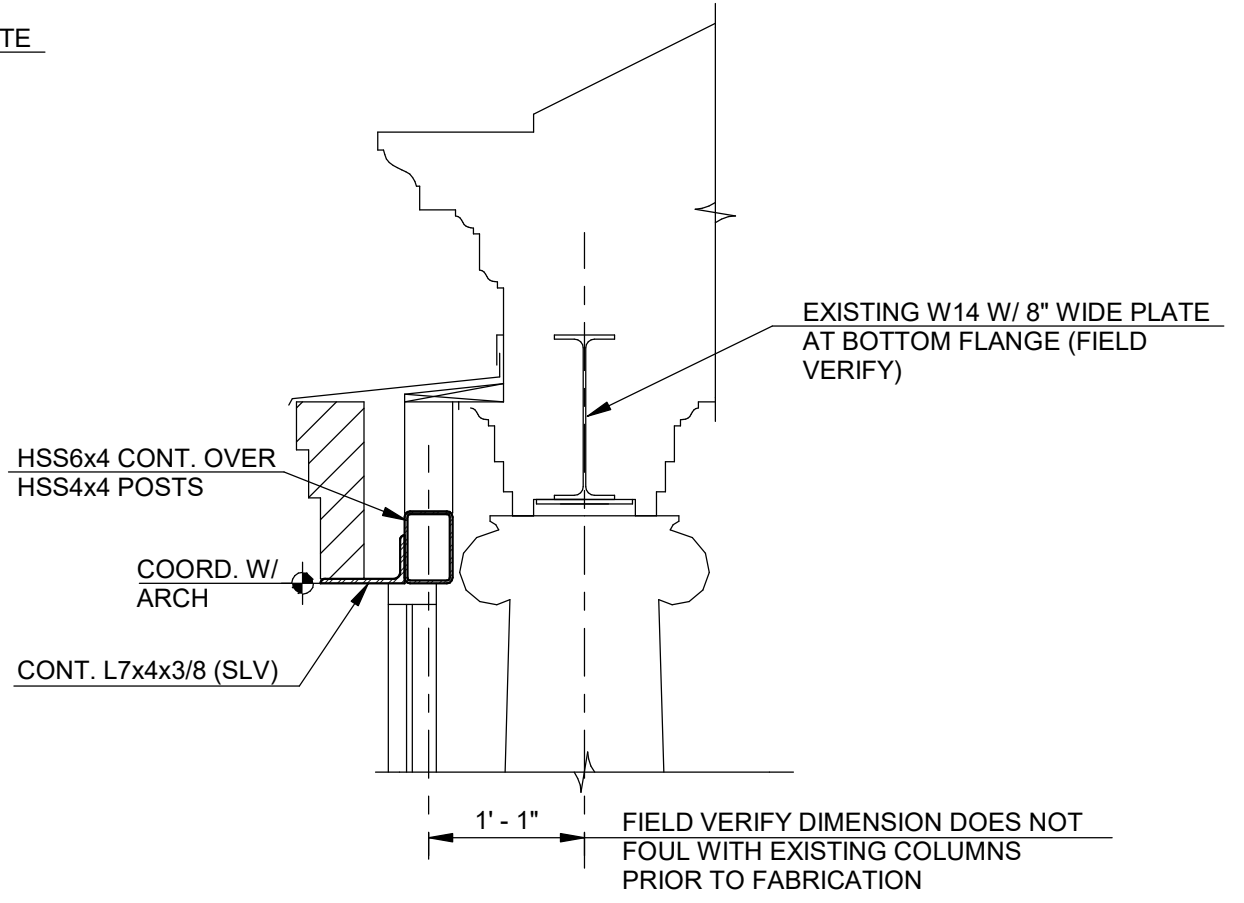
PROJECT NO. 22017



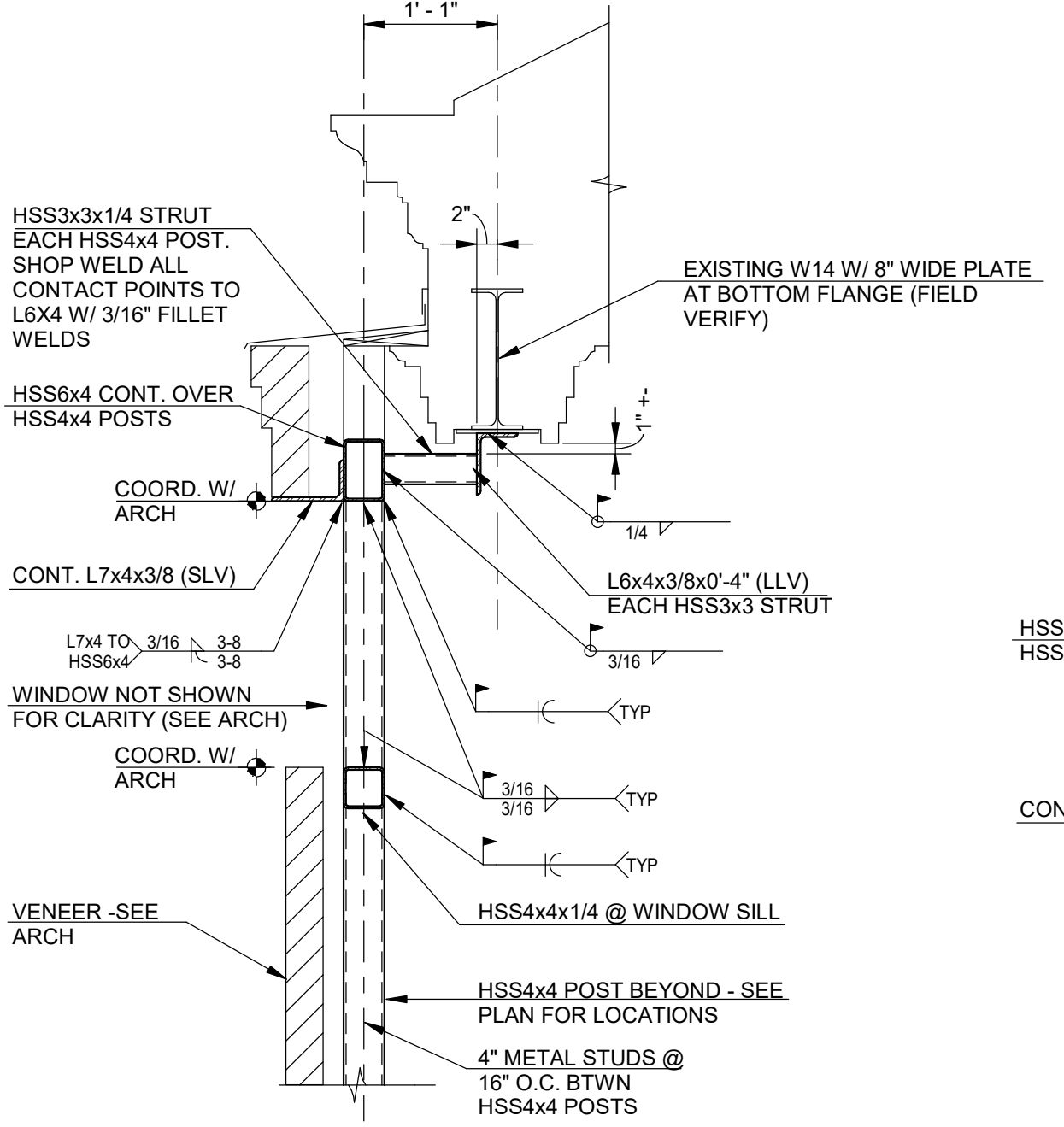
SECTION D
3/4" = 1'-0"
S3.1



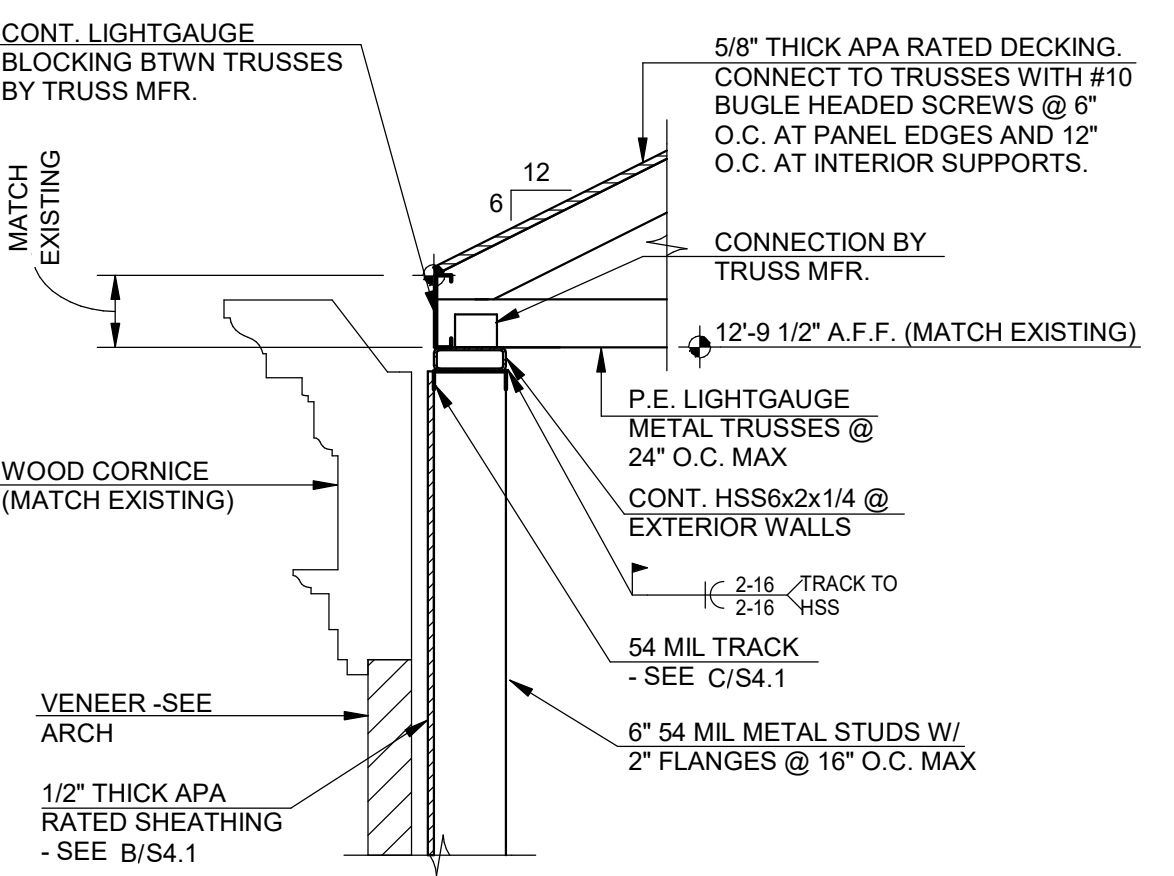
SECTION C
3/4" = 1'-0"
S3.1



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



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

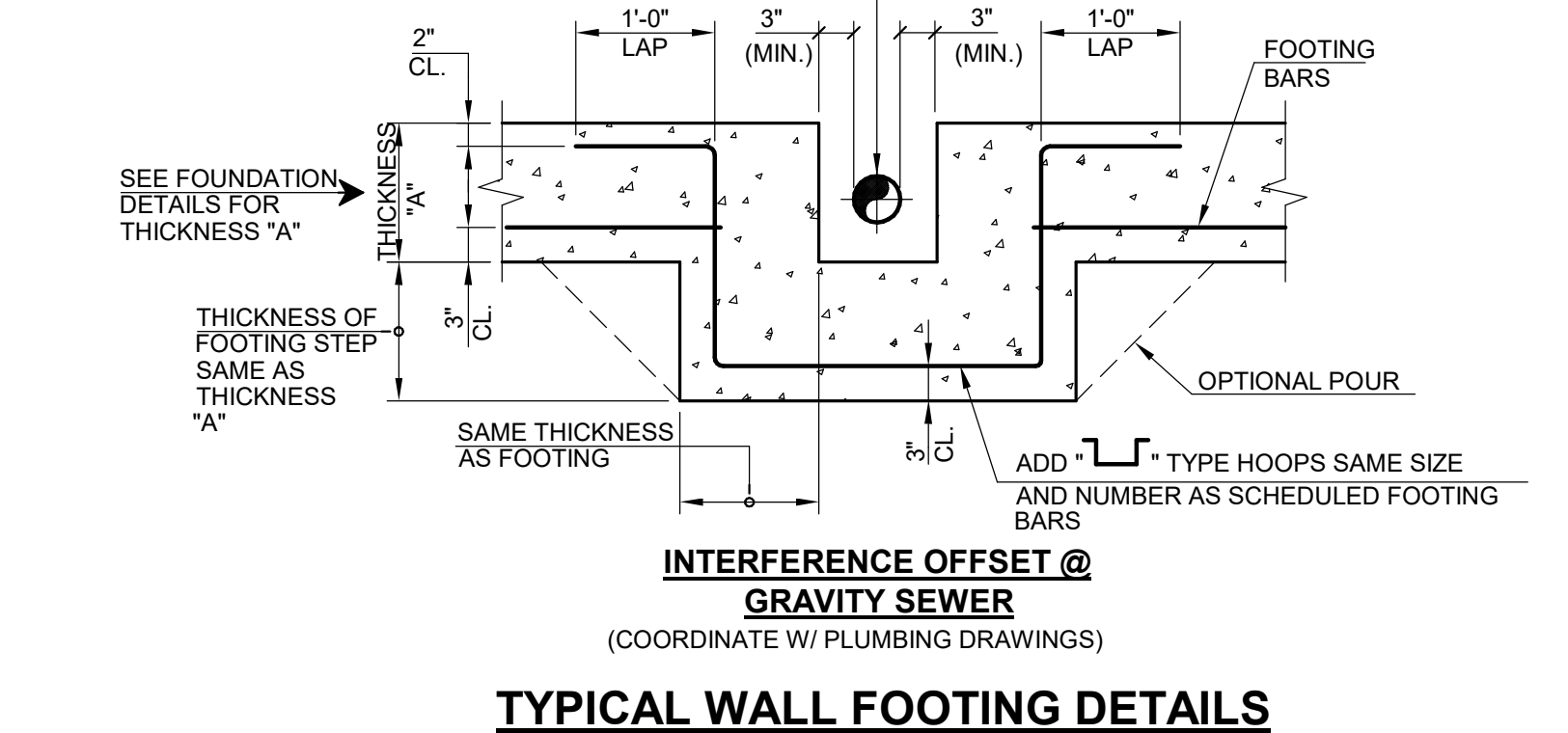
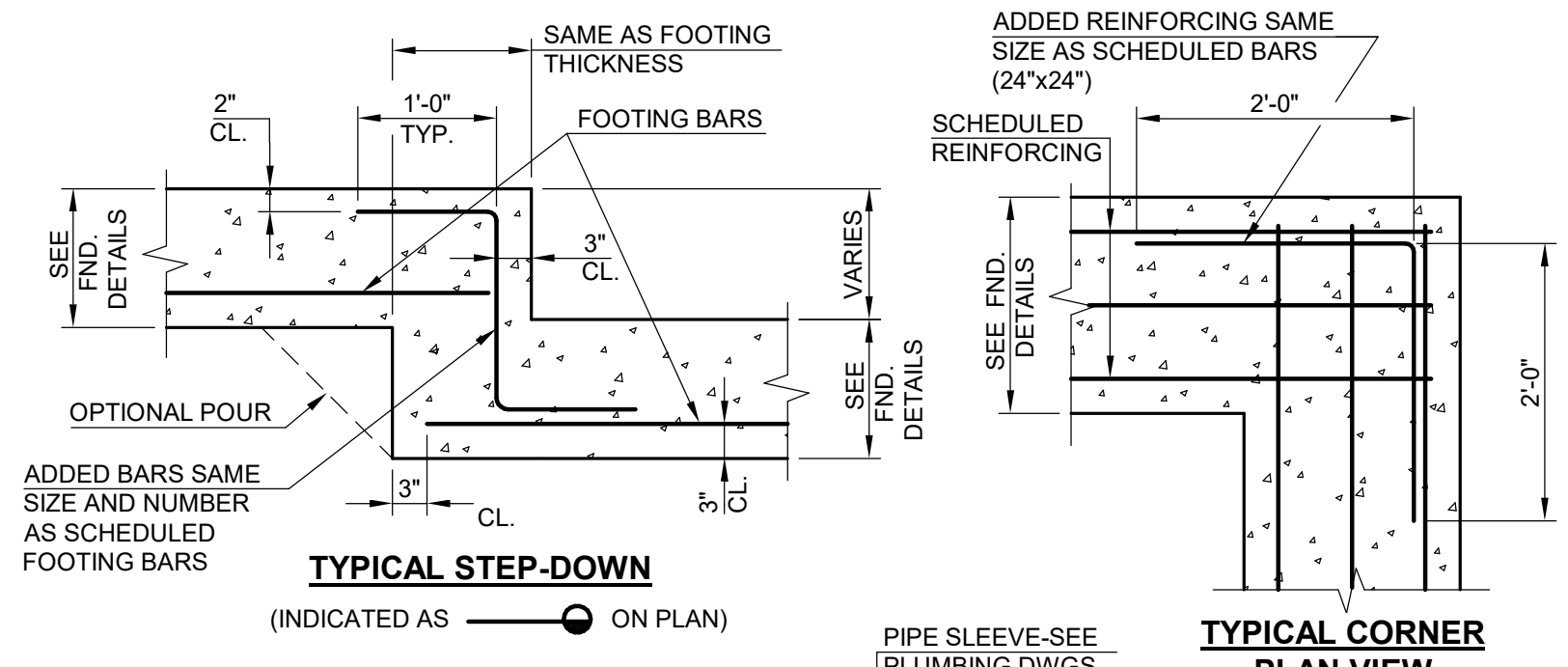
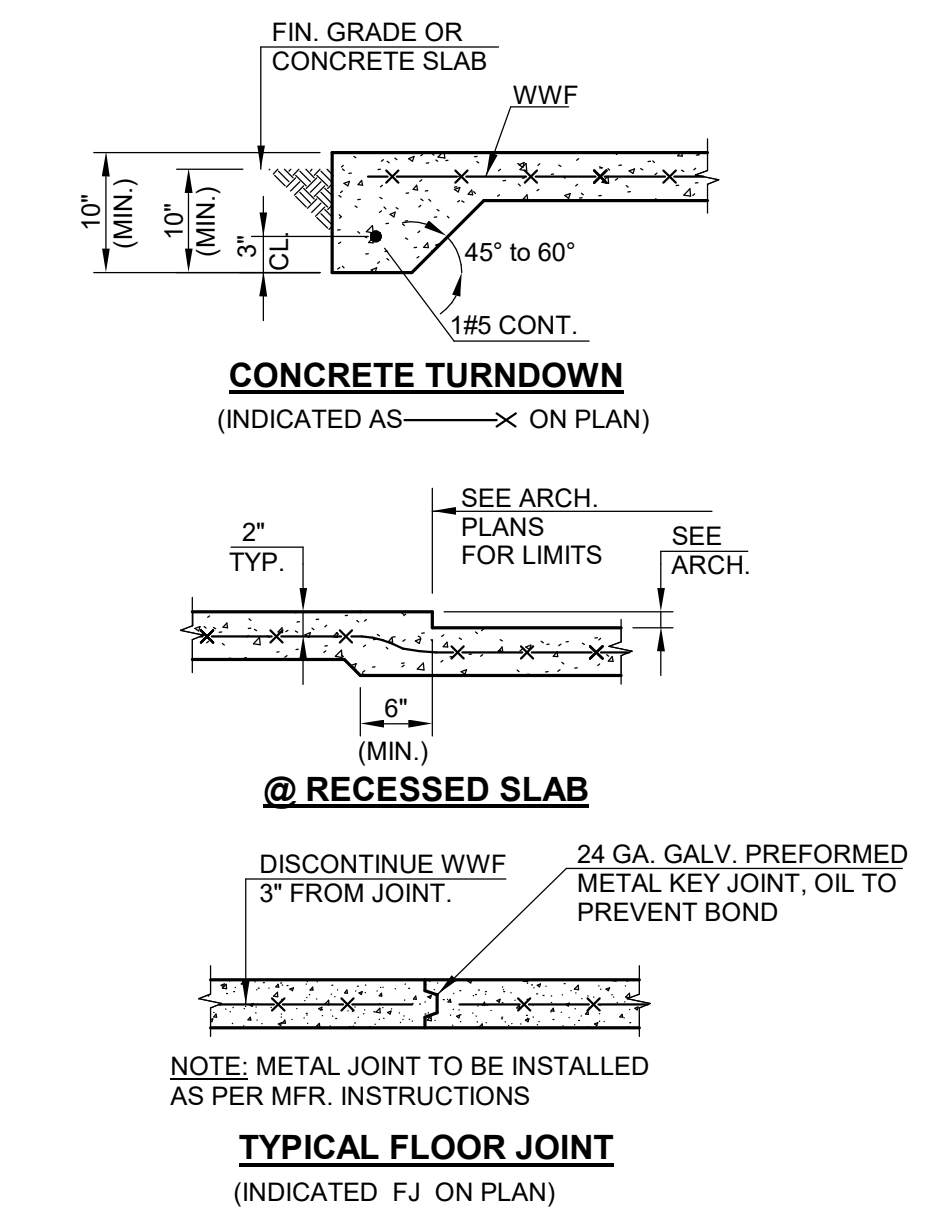


TYPICAL DETAIL E
S3.1

11/8/2022 11:41:51 AM

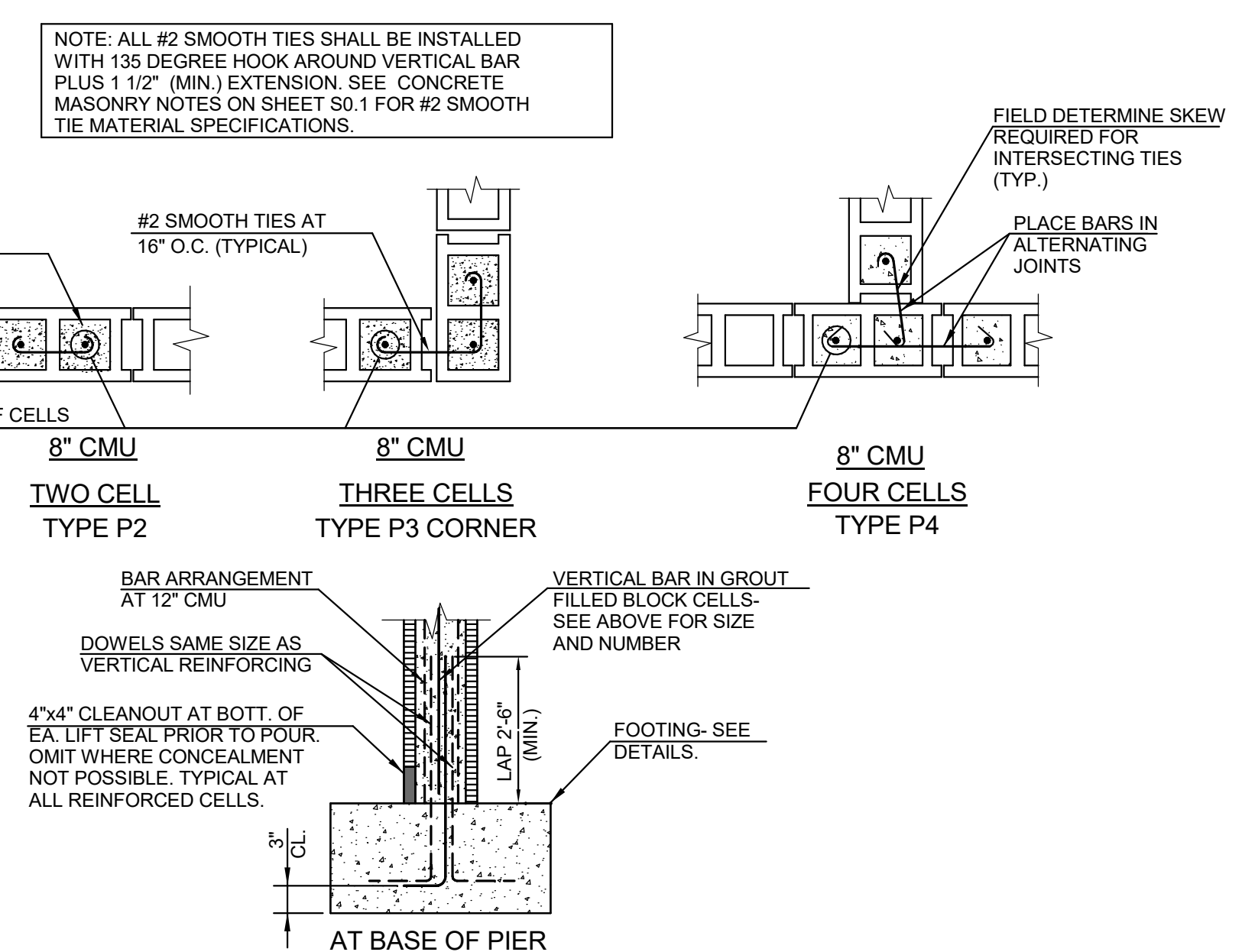
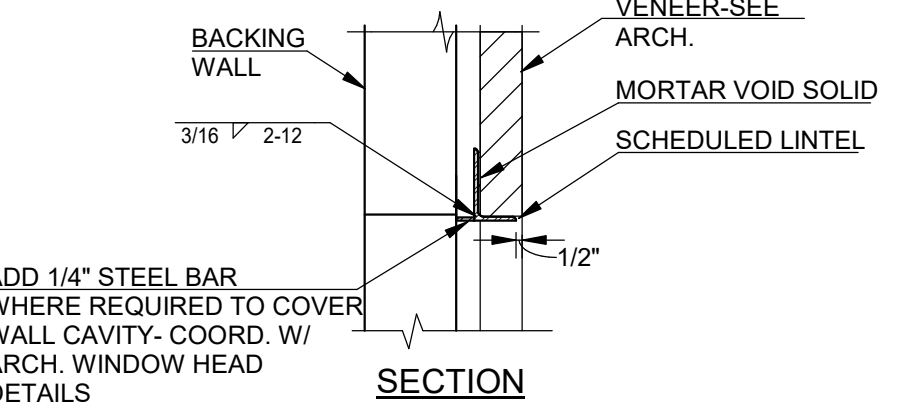


FOR CONSTRUCTION		
PROJECT NUMBER:	2163	
PROJECT DATE:	04/27/22	
DRAWN BY:	JCG	
APPROVED BY:	WHSIII	
SCHEDULE OF REVISIONS		
#	DATE	DESCRIPTION

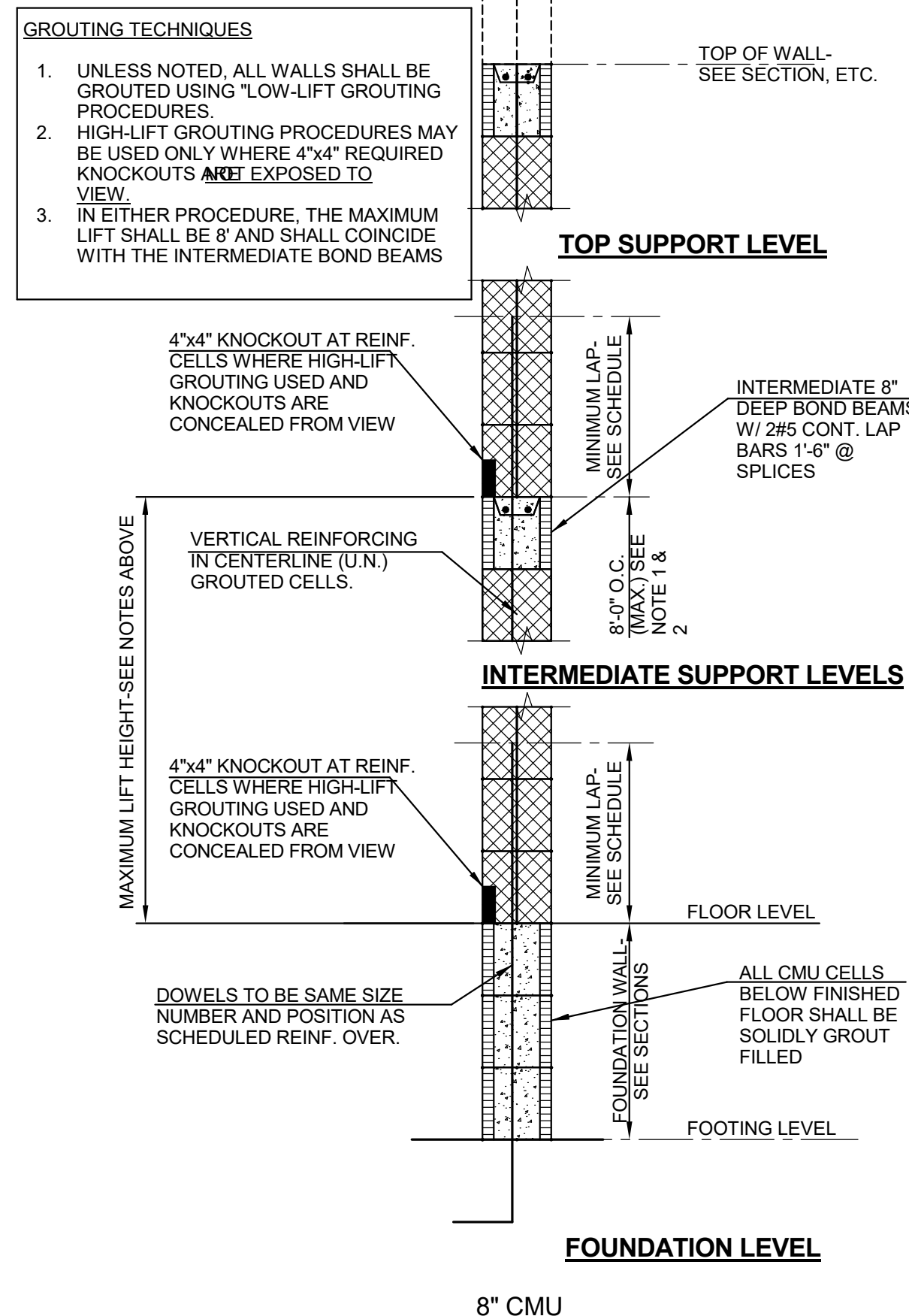


SINGLE WYTHE BRICK LINTEL SCHEDULE

OPENING WIDTH	SIZE	BEARING EA. END
MAX. 4' - 0"	L3-1/2x3-1/2x5/16	6"
MAX. 6' - 0"	L4x3 1/2x5/16 (LLV)	8"
MAX. 8' - 0"	L6x3 1/2x5/16 (LLV)	10"
MAX. 10' - 0"	L6x3 1/2x5/16 (LLV)	12"



TYPICAL DETAILS FOR REINFORCED CONCRETE MASONRY PIERS

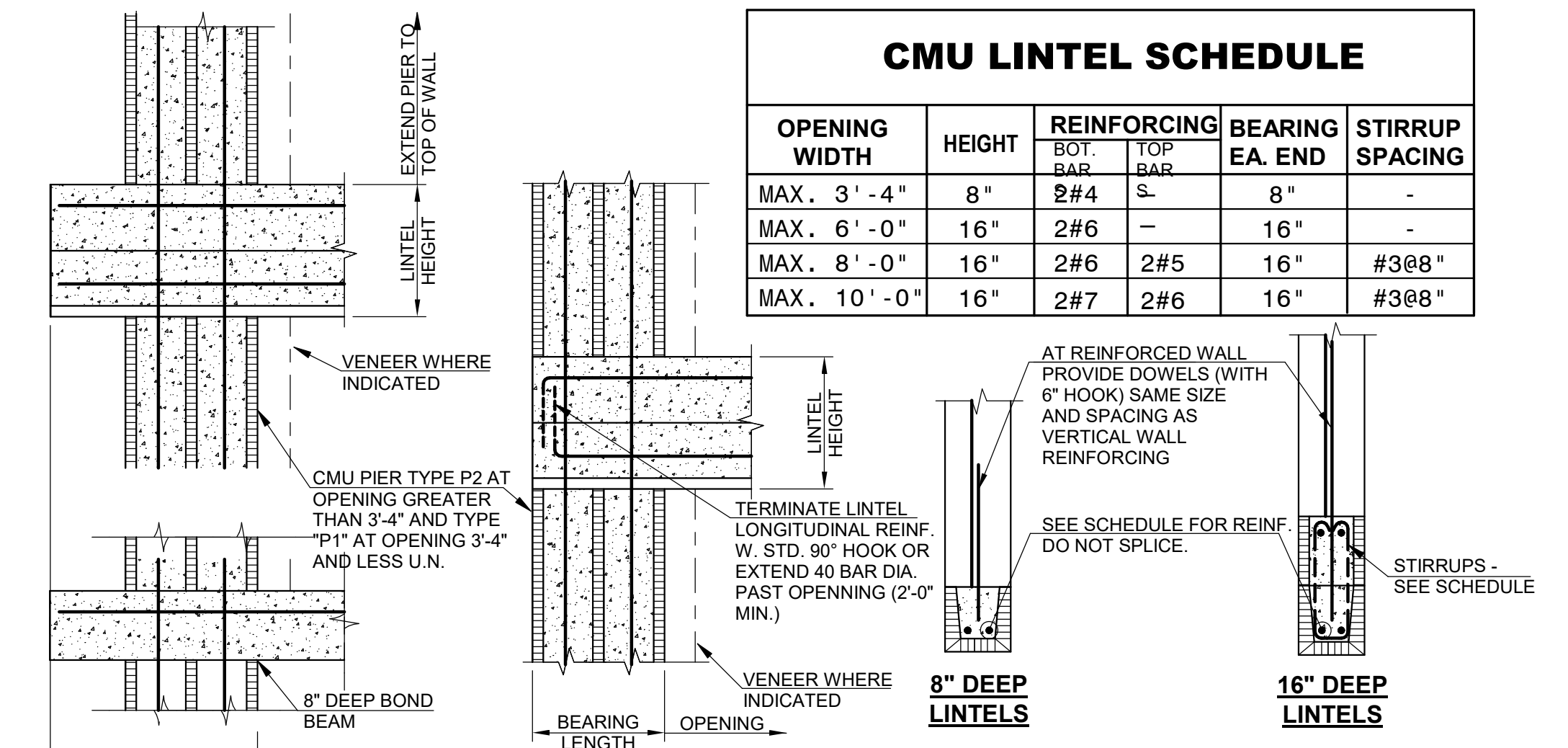


VERTICAL LAP SCHEDULE

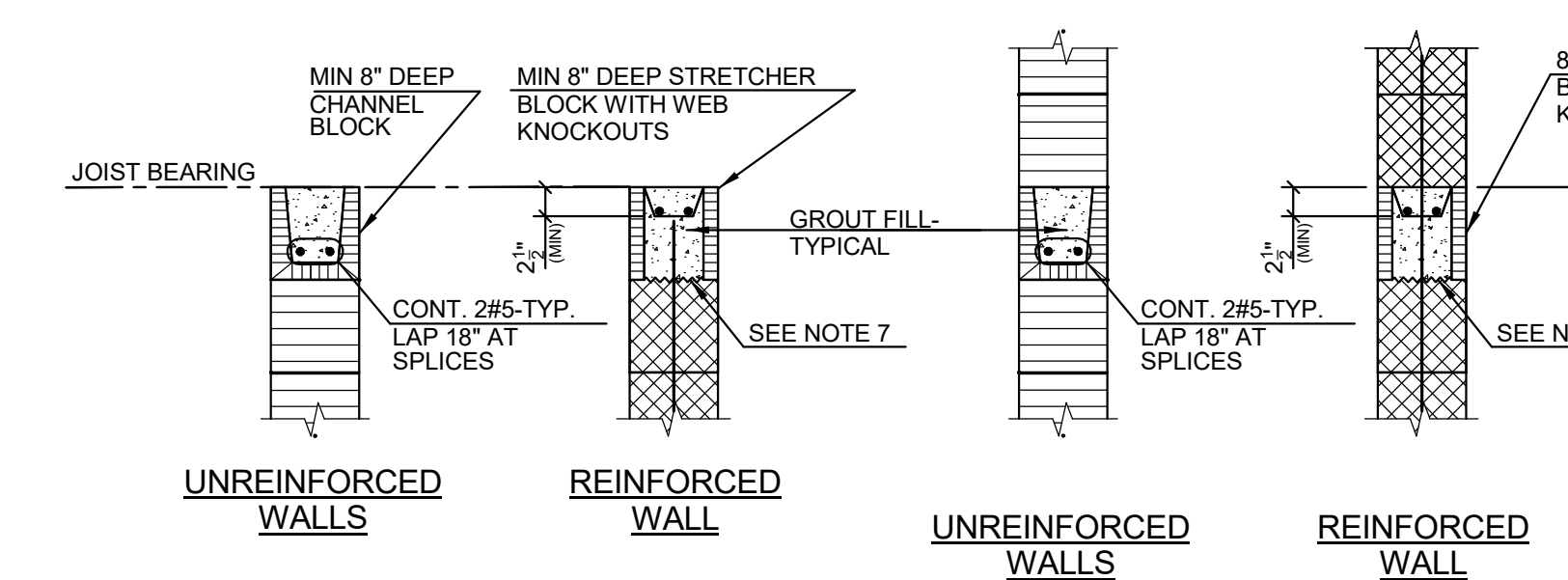
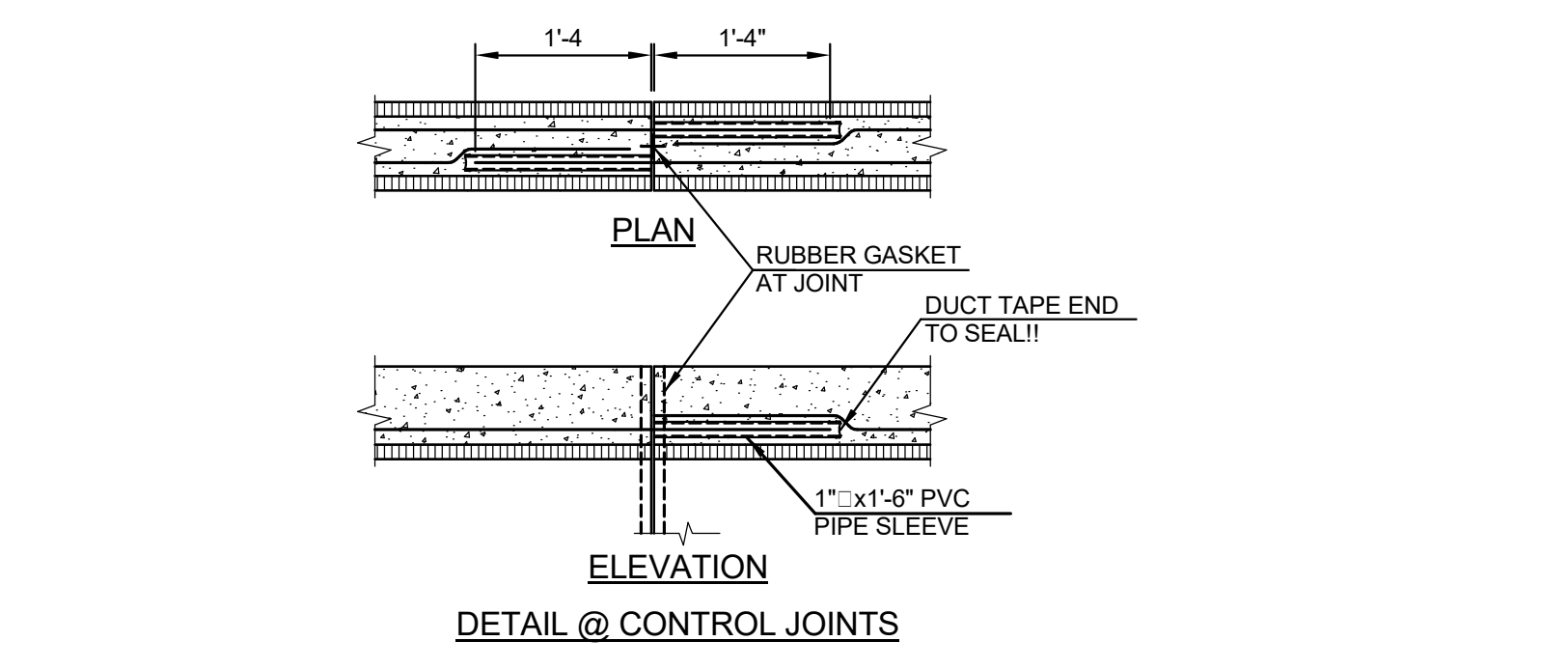
BLOCK THICKNESS	REINFORCING			
	#4	#5	#6	#7
8" CMU	24"	30"	43"	60"

STANDARD DETAIL FOR REINFORCED CONCRETE MASONRY WALLS

SHOP DRAWINGS SHALL BE FURNISHED BY GENERAL CONTRACTOR INCLUDING WALL ELEVATIONS AND PLANS DETAILING FINAL LAYOUT OF ALL VERTICAL AND HORIZONTAL REINFORCING REQUIRED BY THIS SCHEDULE DETAILS AND GENERAL NOTES IN THESE DOCUMENTS.



- NOTES:**
- BEARING LENGTHS REFER TO CONCRETE MASONRY AND DO NOT INCLUDE APPLIED VENEERS.
 - WHERE CONCRETE MASONRY EXPOSED, 16" HIGH AND LARGER LINTELS SHALL BE CONSTRUCTED USING 8" DEEP CHANNEL BLOCK PLUS 8" DEEP SPANDREL BLOCK(S).
 - WHERE LINTEL BEARING IS ADJACENT TO A CMU CONTROL JOINT, OFFSET CONTROL JOINT OVER OPENING TO END OF LINTEL. PROVIDE ADDITIONAL MASONRY PIER TYPE P1 AT EACH SIDE OF CONTROL JOINT.
 - AT LINTELS SHARING CENTRAL PIER(S), PROVIDE CONTINUOUS LINTEL ACROSS MULTIPLE OPENINGS AS SCHEDULED FOR THE LARGEST SINGLE OPENING. PROVIDE TOP BARS EQUAL TO SCHEDULED BOTTOM BARS, AND REINFORCING IS TO BE CONTINUOUS ACROSS SHARED PIER(S). DO NOT SPLICE. WHERE CENTRAL PIER DOES NOT MEET MINIMUM BEARING, PROVIDE LINTEL SIZED TO SPAN BETWEEN PIERS MEETING MINIMUM BEARING REQUIREMENTS.
 - WHERE LINTEL REINFORCING CANNOT EXTEND BEYOND BEARING, TERMINATE LINTEL REINFORCING WITH STD 90 DEGREE HOOK.



@ JOIST BEARINGS AND TOP OF WALLS



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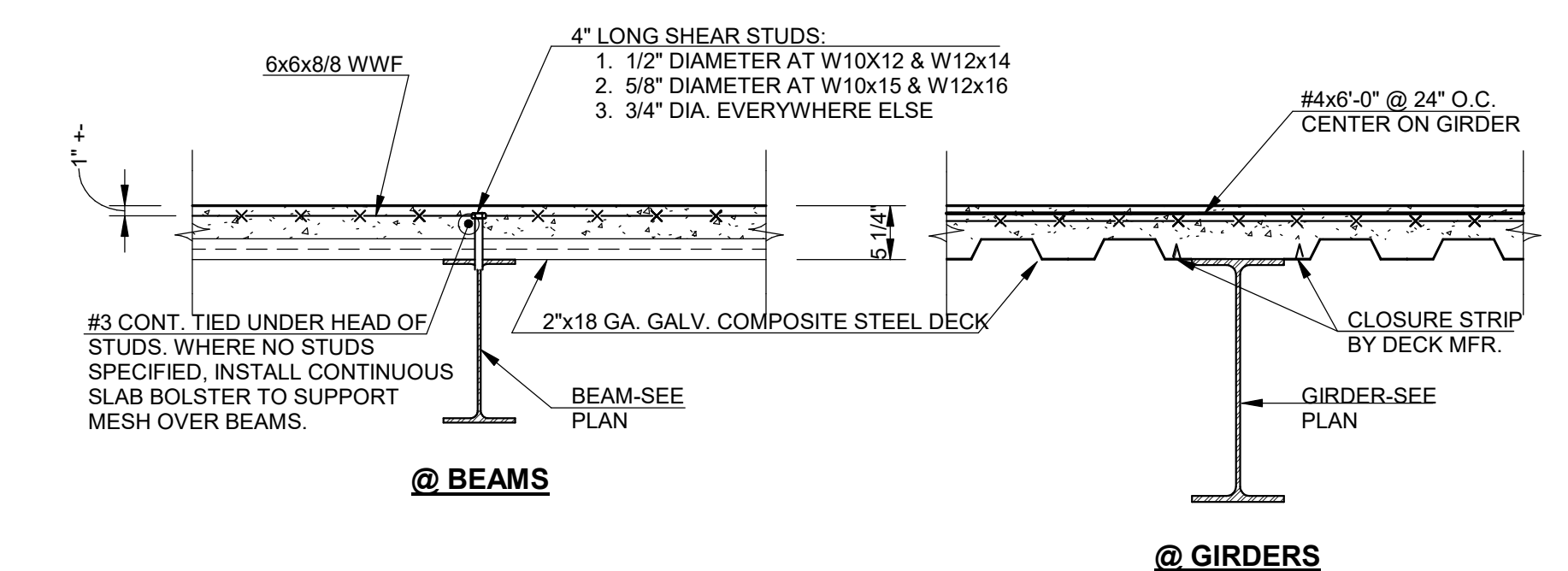
SCHEDULE OF REVISIONS

#	DATE	DESCRIPTION

TYPICAL DETAILS
S4.1

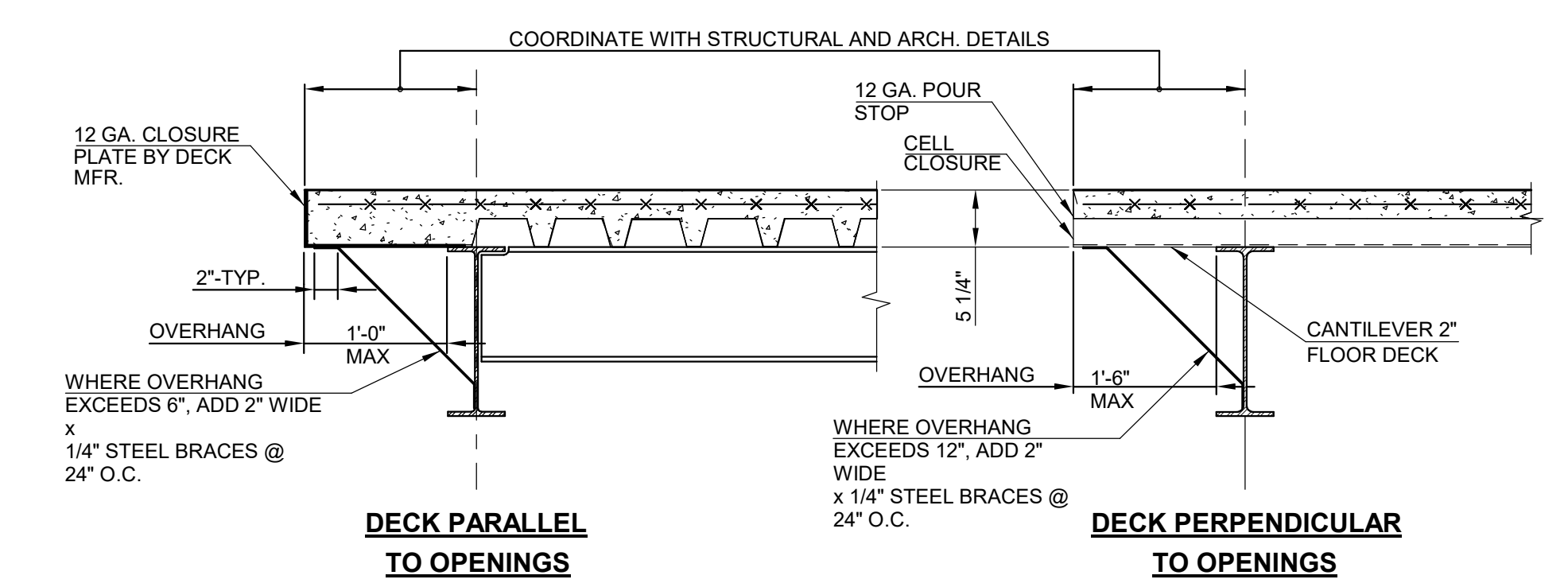
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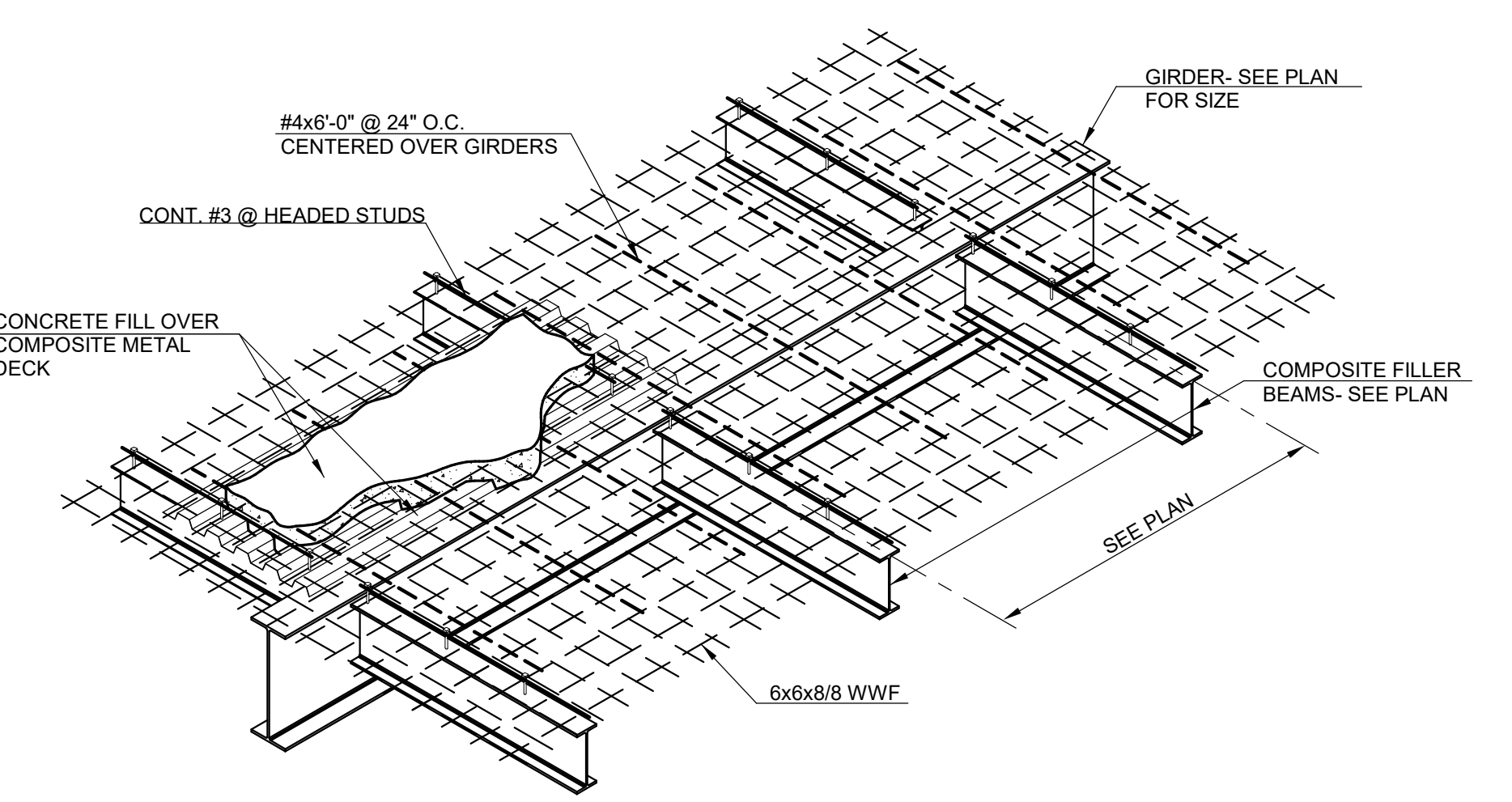
**TYPICAL SECTION THRU
COMPOSITE FLOOR DECK SYSTEM**

TYPICAL
DETAIL **F**
S4.1



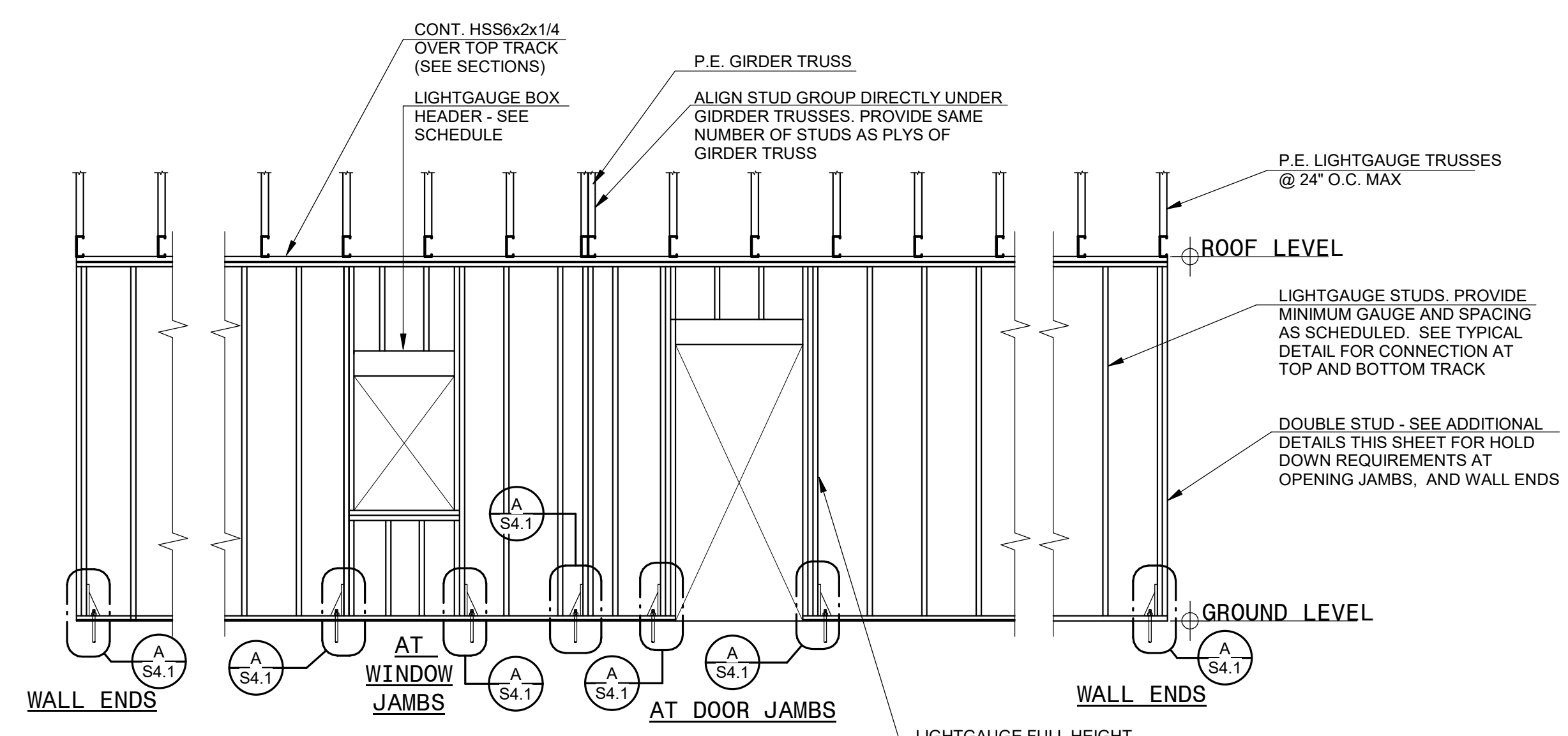
TYPICAL DETAILS @ SLAB OPENINGS
(UNLESS DETAILED OTHERWISE)

TYPICAL
DETAIL **G**
S4.1



**SCHEMATIC ISOMETRIC DETAIL AT
COMPOSITE FLOOR DECK SYSTEMS**

TYPICAL
DETAIL **H**
S4.1



**METAL STUD STRUCTURAL WALL
ELEVATION**

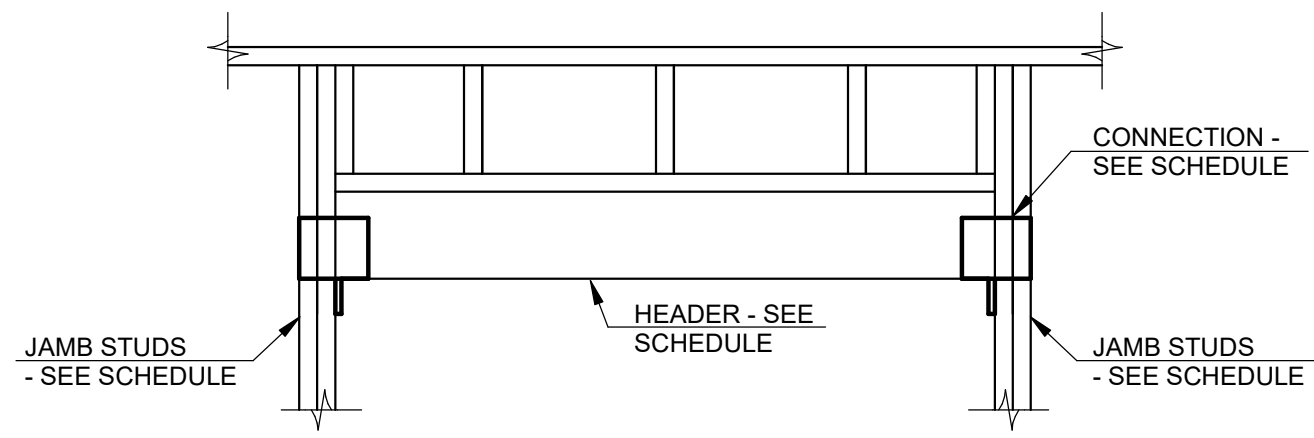
TYPICAL
DETAIL **D**
S4.1

FRAMED OPENINGS SCHEDULE

SPAN	HEADER MARK	JAMB STUDS	
		6" WALL	3-5/8" WALL
MAX 4'-0"	H1	(2) 600S250-54mil, 50ksi	(2) 362S250-54mil, 50ksi
MAX 6'-0"	H2	(2) 600S250-54mil, 50ksi	(2) 362S250-54mil, 50ksi
MAX 8'-0"	H3	(2) 600S250-54mil, 50ksi	(2) 362S250-54mil, 50ksi

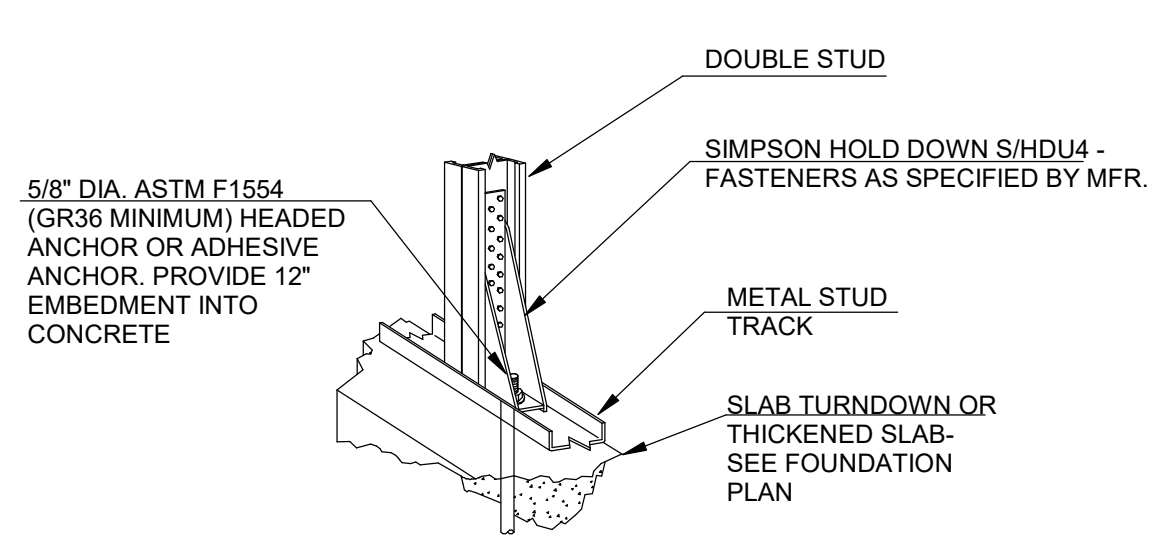
HEADER SECTION TYPE

TYPE	SECTION	DESCRIPTION	CONNECTION
H1		(2) 600S182-54 (50 KSI) VERTICAL MEMBERS W/ T125-43 33 KSI TRACK TOP AND BOTTOM	STIFFCLIP HE-43mil W/ (20) #10 SCREWS
H2		(2) 600S300-68 (50 KSI) VERTICAL MEMBERS W/ T125-43 33 KSI TRACK TOP AND BOTTOM	STIFFCLIP HE-68 W/ (24) #10 SCREWS
H3		(2) 600S300-97 (50 KSI) VERTICAL MEMBERS W/ T125-43 33 KSI TRACK TOP AND BOTTOM	STIFFCLIP HE-68 W/ (24) #10 SCREWS



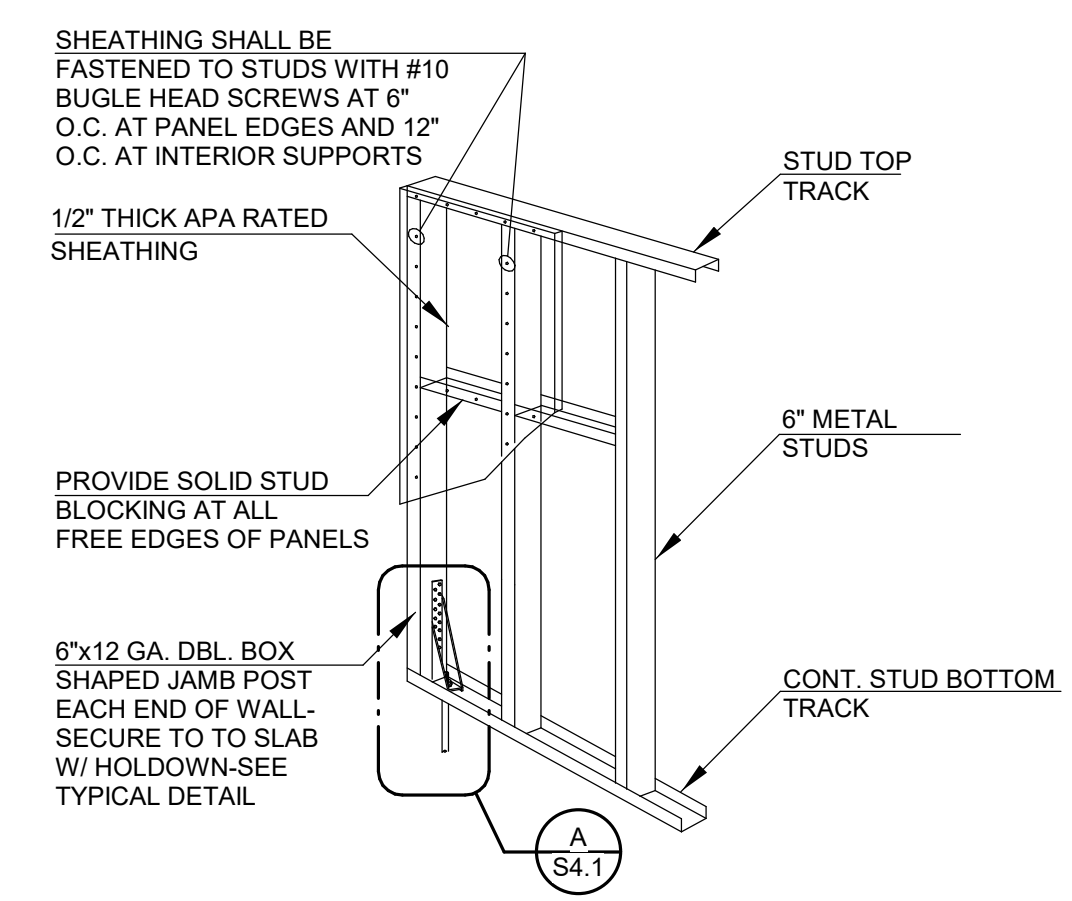
**TYPICAL DETAIL AT FRAMED WALL OPENINGS IN LOAD
BEARING METAL STUD WALLS**
(UNLESS DETAILED OTHERWISE)

TYPICAL
DETAIL **E**
S4.1



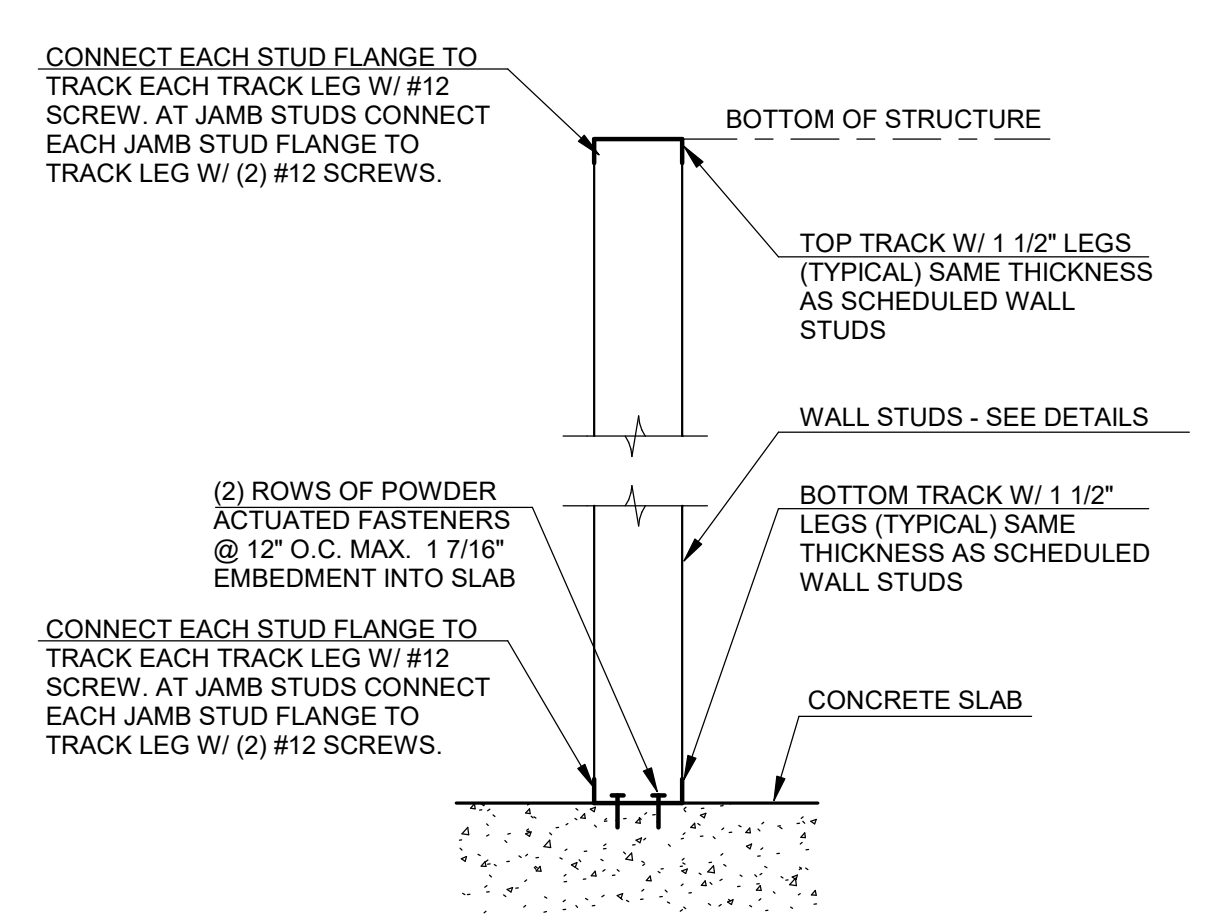
**TYPICAL HOLDOWN DETAIL @ METAL
STUD WALLS**

TYPICAL
DETAIL **A**
S4.1



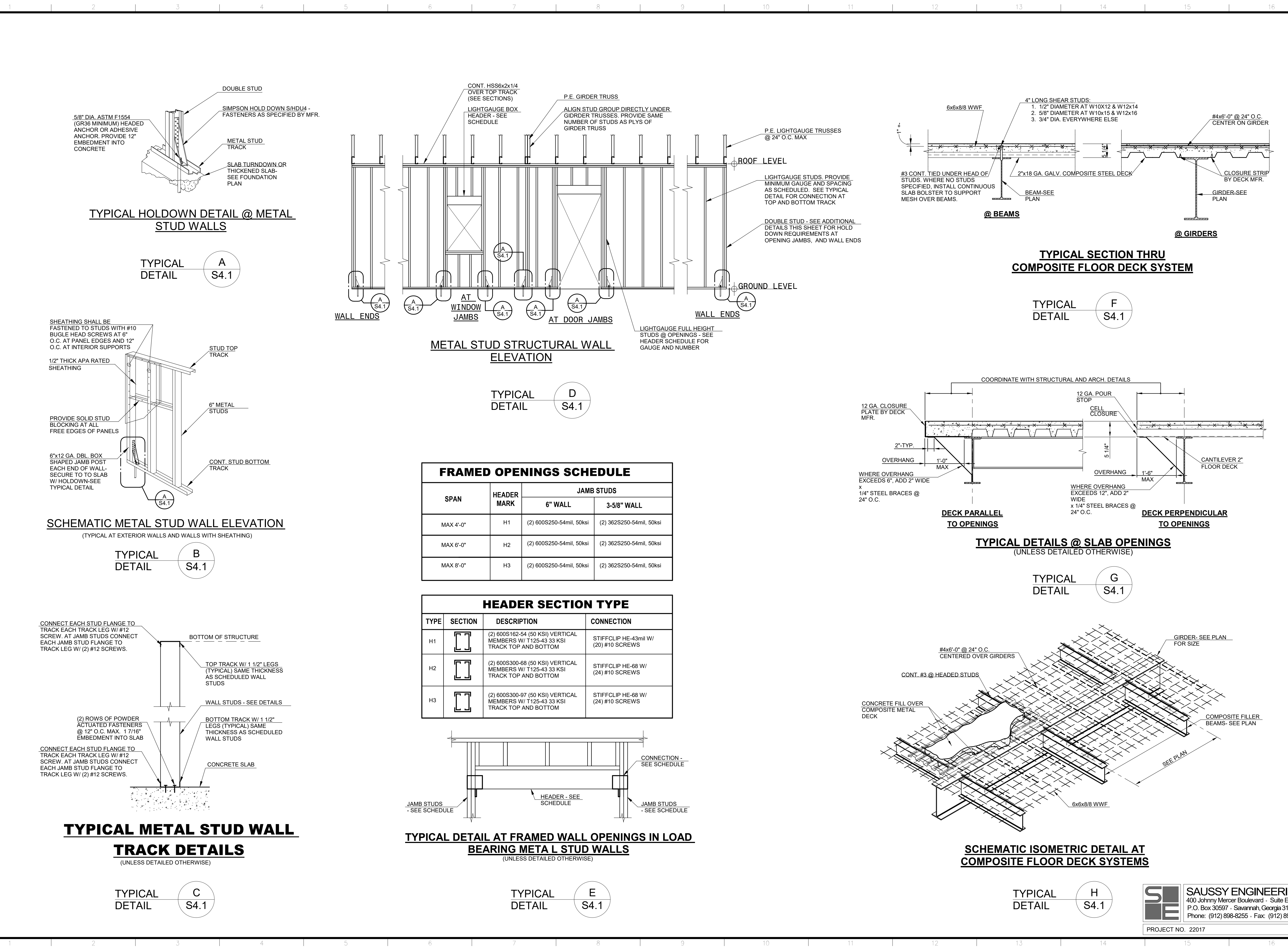
SCHEMATIC METAL STUD WALL ELEVATION
(TYPICAL AT EXTERIOR WALLS AND WALLS WITH SHEATHING)

TYPICAL
DETAIL **B**
S4.1



**TYPICAL METAL STUD WALL
TRACK DETAILS**
(UNLESS DETAILED OTHERWISE)

TYPICAL
DETAIL **C**
S4.1



SECTION 03300
CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.01 WORK INCLUDED

A. Provide all cast-in-place concrete, complete, in place, as indicated on the Drawings, specified herein, and required for the complete installation.

1.02 RELATED WORK

A. Tests for Concrete Materials:

- Portland Cement shall be sampled and tested to determine the properties in accordance with ASTM C 150.
- Aggregates shall be sampled and tested in accordance with ASTM C 33 (normal weight).

B. Submit written reports to the Architect for each material sampled and tested, prior to the start of work. Provide the project identification name and number, date of report, name of contractor, name of concrete testing service, source of concrete aggregates, material manufacturer and brand name for manufactured materials, values specified in the referenced specification for each material, and test results. Indicate whether or not material is acceptable for intended use.

C. Supervision: All reinforced concrete construction shall be performed under the personal supervision of the contractor's superintendent. This superintendent shall keep a record of all concrete poured on the job. The record shall show in detail the area poured, the time and date of the pour and weather conditions which existed at the time of the pour. Upon completion of the work, this record shall be turned over to the Architect.

1.03 SUBMITTALS

A. General: Comply with provisions of General Conditions.

B. Manufacturer's Data; Concrete Work: Submit manufacturer's product data with application and installation instructions for proprietary materials and items, including reinforcement and forming accessories, admixtures, patching compounds, waterstops, joint systems, chemical floor hardeners and dry-shake finish materials to the Architect.

C. Shop Drawings; Concrete Reinforcement:

- Shop drawings shall be submitted by the Contractor to the Architect and review action received prior to fabrication. When corrections are required, copies will be returned noting such. Drawings shall then be corrected and resubmitted until final review action is received. Coordination of shop drawing shall be such that

PART 2 - PRODUCTS

2.01 REINFORCING MATERIALS

A. Reinforcing Bars:

- Reinforcing: size #3 to #18: ASTM A 615 "Standard Specifications for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement" Grade 60, Deformed, ASTM A 619 "Standard Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement", Grade 60, Deformed.
- Reinforcing: size 1/4" dia. (#2): ASTM A 1064. Equivalent to size W5 (0.252" at Dia.).

B. Steel Wire: ASTM A 1064, plain, cold-drawn steel.

C. Welded Wire Fabric: ASTM A 1064.

D. Supports for Reinforcement:

- General: Provide supports for reinforcement including bolsters, chairs and spacers for spacing, supporting and fastening reinforcing bars and welded wire fabric in place. Use wire bar type supports complying with OHSI recommendations, unless otherwise indicated on the drawings. Wood, brick and other devices will not be acceptable unless specifically noted herein.

2.02 CONCRETE MATERIALS

A. Portland Cement: ASTM C 150, Type 1. Use only one brand of cement throughout the project.

B. Minimum Properties: Design mixes to provide normal weight concrete with the following minimum properties:

- Foundations: 3000 psi 28-day compressive strength; non-air entrained.
- Interior Slab on Grade: 3000 psi 28-day compressive strength; non-air entrained.
- Exterior Slab on Grade: 4500 psi 28-day compressive strength; air entrained (Class F2).
- Admixtures: use air-entraining admixture in exposed concrete, unless otherwise indicated on the drawings. Use admixtures for water-reducing and set-control in compliance with the manufacturer's directions and when specifically approved by the Architect.

C. Slump Limits: Proportions and design mixes to result in concrete slump at the point of placement as follows:

- Ramps and Sloping Surfaces: Not more than 4".
- Reinforced Foundation Systems: Not less than 1" and not more than 4".
- All Other Concrete: Not less than 1" and not more than 4".

2.03 OTHER MATERIALS

A. Vapor Barrier: Provide vapor barrier that is resistant to deterioration when tested according to ASTM E 1745, as follows:

- Membrane sheet not less than 10 mils thick, meeting ASTM E 1745, Class C.

PART 3 - EXECUTION

3.01 INSPECTION

A. General: Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to the completion of the work. Do not proceed until unsatisfactory conditions have been corrected.

3.02 QUALITY CONTROL TESTING DURING CONSTRUCTION

B. General: The testing laboratory approved by the Architect will perform all tests and submit test reports.

C. Tests: Sampling and testing for quality control during the placement of concrete shall include the following:

- Sampling Fresh Concrete: ASTM C 172, except modified for slump to comply with ASTM C 94-92.
- Slump: ASTM C 143, one test for each concrete load at point of discharge and one test for each set of compressive strength test specimens.
- Air Content: ASTM C 231, pressure for normal weight concrete; one for each set of compressive strength test specimens.
- Concrete Temperature: Test hourly when air temperature is 40° F. and below, and when 80° F. and above; and each time a set of compression test specimens are made.
- Compression Test Specimen: ASTM C 31, one set of 4 standard cylinders for each compressive-strength test, unless otherwise directed. Mold and store cylinders for laboratory-cured test specimens except when field-cured specimens are required.
- Compressive Strength Tests:
 - ASTM C 39; one set for each 100 cu. yds. or fraction thereof, of each concrete class placed in any one day or for each 5,000 sq. ft. of surface area placed; one specimen tested at 7 days, two specimens tested at 28 days, and one specimen retained in reserve for later testing.
 - When the frequency of testing will provide less than 5 strength tests for a given class of concrete, conduct testing from at least 5 randomly selected batches or from each batch if fewer than 5 are used.
 - When the total quantity of a given class of concrete is less than 50 cu. yds., the strength test may be waived by the Architect if, in his judgment, adequate evidence of satisfactory strength is provided.
 - When the strength of field-cured cylinders is less than 85% of companion laboratory-cured cylinders, evaluate current operations and provide corrective procedures for protecting and curing the in-place concrete.
- Reports: Test results will be reported in writing to the Architect and the Contractor on the same day that tests are made. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, name of concrete testing service, concrete type and class, location of concrete batch in the structure, design compressive strength at 28 days, concrete mix proportions and materials; compressive breaking strength and type of break for both 7-day tests and 28-day tests.

END OF SECTION 03300

SECTION 05120

STRUCTURAL STEEL

PART 1 - GENERAL

1.01 WORK INCLUDED

A. The extent of structural steel work is shown on the drawings, including schedules, notes and details to show size and location of members, typical connections and type of steel.

B. Structural Steel is that work defined in the AISC "Code of Standard Practice", latest edition, and as otherwise shown on the drawings except Article 4.2.1 shall be changed to read: "Approval by the Owner or his representative of shop drawings prepared by the fabricator indicates the fabricator has correctly interpreted the contract requirements. Approval does not relieve the fabricator of the responsibility for accuracy of detailed dimensions on shop drawings nor the general fit-up of parts to be assembled in the field."

1.02 QUALITY ASSURANCE

A. Codes and Standards: Comply with the provisions of the followings except as otherwise indicated on the drawings.

- American Institute of Steel Construction (AISC). Specification for Structural Steel Buildings, latest edition (with Commentary).
- Code of Standard Practice for Steel Buildings and Bridges, latest edition, except as modified in 1.01 B.
- American Welding Society (AWS). Structural Welding Code, D1.1.
- Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation "Specifications for Structural Joints Using High-Strength Bolts", latest edition (with Commentary).
- Steel Structures Painting Council (SSPC). Steel Structures Painting Manual, Volume 1, latest edition, Good Painting Practice. Steel Structures Painting Manual, Volume 2, latest edition, Systems and Specifications.
- American Society of Testing Materials (ASTM):
 - General Requirements for Delivery of Rolled Steel Plates, Shapes, Sheet Piling and Bars for Structural Use.

1.03 QUALITY CONTROL

A. Fabrication and Erection Qualifications:

- Fabricator and erector must have a minimum of five years experience with a proven record of satisfactory work.
- Fabricator and erector must have had work of similar type of construction to be considered as "satisfactory work".
- The Architect shall be the sole judge as to whether the fabricator and erector satisfactorily meets these requirements.
- "Steel Fabricator" and "Steel Erector" shall be an organized steel company engaged in this type of work.
- If any fabricator or steel erector is doubtful as to whether he meets these requirements, he may submit information to the Architect at least 10 days before the bid opening in order to qualify.

B. Qualifications for Welding Work:

- Qualify welding processes and welding operators in accordance with the D1.1-83 Standard Qualification Procedure in Structural Welding Code of AWS.
- Provide certification that welders to be employed in the work have satisfactorily passed AWS qualification tests within the previous 12 months. If recertification of welders is required, retesting will be Contractor's responsibility.

C. Source Quality Control:

- Materials and fabrication procedures are subject to inspection and tests in the mill, shop and field, conducted by a qualified inspection agency. Such inspections and tests will not relieve the Contractor of responsibility for providing materials and fabrication procedures in compliance with specified requirements.
- Remove and replace materials or fabricated components which do not comply.

1.04 SUBMITTALS

A. Manufacturer's Data, Structural Steel:

- For information only, submit two copies of producer's or manufacturer's specifications and installation instructions for the following products. Include laboratory test reports and data to show compliance with these specifications (including specified standards). Indicate by transmittal form that copy of each applicable instruction has been distributed to fabricators, installers and erectors.
 - Structural steel (each type), including certified copies of mill reports covering the chemical and physical properties
 - High-strength bolts (each type), including nuts and washers
 - Load indicator washers
 - Unfinished bolts and nuts
 - Structural steel primer paint
 - Shrinkage-resistance grout

B. Shop Drawings, Structural Steel:

- Submit shop drawings including complete details and schedules for fabrication and shop assembly of members, and details, schedules, procedures and diagrams, showing the sequence of erection.
- Contractor shall check, approve and stamp all shop drawings prior to submittal to Architect.
- The shop drawings shall be reviewed by Architect prior to fabrication. Architect's review is for design only. Contractor is responsible for dimensions, quantities, and coordination with other trades. Engineer's review and acceptance of shop drawings is subject to all contract requirements and does not authorize any changes involving additional cost to Owner.
- Include details of cuts, connections, splices, camber and holes. Indicate welds by standard AWS symbols, and show size, length and type of each weld.
- Provide setting drawings, templates, and directions for the installation of anchor bolts and anchorages to be installed by others.
- Shop drawings shall be made to conform to the design drawings. Contract drawings shall take precedence over Shop Drawings.

1.05 DELIVERY, STORAGE AND HANDLING

- Delivery: Deliver materials to the site at intervals to ensure uninterrupted progress of the work. Deliver anchor bolts, leveling plates and anchorage devices, which are to be embedded in cast-in-place concrete or masonry, in time not to delay work.
- Storage: Store materials to permit easy access for inspection and identification. Keep steel members off the ground, using pallets, platforms, or supports. Protect steel members and packaged materials from erosion and deterioration.
- Handling: Do not store materials on the structure in a manner that might cause distortion or damage to the members or the supporting structures. Repair or replace damaged materials or structures as directed by the Architect.

PART 2 - PRODUCTS

2.01 MATERIALS

- Wide flange shapes: ASTM A-992 grade 50.
- Other Rolled Steel Plates, Shapes and Bars: ASTM A 36.
- Anchor Bolts: ASTM A 1554, headed type unless otherwise indicated on the drawings.
- Unfinished Threaded Fasteners:
 - ASTM A 307, Grade A, regular low carbon steel bolts and nuts.
 - Provide either hexagonal, or square, heads and nuts, except use only hexagonal units for exposed connections.
- High-Strength Threaded Fasteners:
 - Heavy hexagon structural bolts, heavy hexagon nuts, hardened washers and direct tension indicating washers shall be quenched and tempered medium-carbon steel bolts, nuts and washers complying with ASTM A 325.
 - High-strength load indicator bolt (LIB) complying with all provisions of ASTM A 325 as manufactured by Lohr Structural Fasteners, Inc., Bethlehem Steel, Industrial Fasteners Div. or approved equal are acceptable.

F. Electrodes for Welding:

- Shielded Arc Welding: E70 Electrodes, AWS A5.1, AWS 15.5 in accordance with AWS D1.1.
- Submerged Arc Welding: F7 Electrodes, AWS 5.17 or 5.23 in accordance with AWS D1.1.

G. Structural Steel Primer Paint: Steel Structures Painting Council, SSPC - Paint Specification No.

H. Nonmetallic Nonshrink Grout: Premixed, nonmetallic, noncorrosive, nonstaining product containing selected silica sands, portland cement, shrinkage compensating agents, plasticizing and water reducing agents, complying with CRD-C588.

2.02 FABRICATION

A. High-Strength Bolted Connections:

- Install high-strength threaded fasteners in accordance with AISC "Specifications for Structural Joints" using ASTM A 325.
- Bolted connections, unless otherwise noted on the drawings, shall be non-slip (friction) type. Threads shall be excluded from shear planes. Unless direct tension load indicator bolt systems ARE USED, all high-strength connectors shall be installed with direct tension indicator washers.
- All bolts shall have a hardened washer under the turning element.
- Installation of direct tension indicator washers or direct tension indicator bolt systems shall be in accordance with manufacturer's instructions.

B. Welded Connections:

- All welding shall be in accordance with "Standard Welding Code" AWS D1.1.
- Minimum size of fillet weld permitted shall be 3/16".
- Assemble and weld built-up sections by methods which will produce true alignment of axes without warp or shortening.

C. Shear Connections:

- Prepare steel surfaces as recommended by the manufacturer of the shear connectors.
- Weld shear connectors, spaced as shown on the drawings, to beams and girders in composite construction. Use automatic arc welding of headed stud shear connectors in accordance with the manufacturer's printed instructions and in conformance to requirements of section 4 part F of AWS D1.1 "Structural Welding Code".

D. Cooperation with Other Trades:

- Provide holes for securing other work to structural steel framing, and for the passage of other work through steel framing members, as shown on the final shop drawings. Provide threaded nut welded to framing, and other specialty items as shown to receive other work.
- Cut, drill or punch holes perpendicular to metal surfaces. Do not flame cut holes or enlarge holes by burning. Drill holes in bearing plates.
- All loose plates, bolts and inserts between the structural steel and work of other trades are to be furnished by the fabricator and set by other trades.

2.03 SHOP PAINTING

A. Shop paint all structural steel work, except those members or portions of members to be embedded in or in contact with concrete. Paint embedded steel which is partially exposed on the exposed portions and the initial 2" of embedded areas only.

Do not paint within 2" of surfaces which are to be welded or high-strength bolted with friction type connections for shear, moment resisting or splice connections. Do not paint surfaces which are scheduled to receive sprayed-applied fire-resistive coatings. Apply 2 coats of paint to surfaces which are inaccessible after assembly or erection. Change color of second coat to distinguish it from the first.

B. Surface Preparation: After inspection and before shipping, clean steel work to be painted. Remove loose rust, loose mill scale, and splatter, slag or flux deposits. Clean steel in accordance with Steel Structures Painting Council (SSPC) using one or more of the following:

- SP-2 "Hand Tool Cleaning"
- SP-3 "Power Tool Cleaning"
- SP-7 "Brush-Off Blast Cleaning"

Painting: Immediately after surface preparation, apply structural steel primer paint in accordance with the manufacturer's instructions and at a rate to provide a uniform dry film thickness of 2.0 mils. Use painting methods which will result in full coverage of joints, corners, edges and all exposed surfaces.

PART 3 - EXECUTION

3.01 INSPECTION

Contractor must examine the areas and conditions under which structural steel work is installed, and notify the Architect in writing of conditions detrimental to the completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 FIELD MEASUREMENTS

A. Contractor shall make measurements in the field to supplement or verify dimensions indicated and to determine locations, limits and elevations of all adjacent existing structures where they form a connected structure prior to submittal of shop drawings and commencement of construction.

B. All field dimensions for preparation of steel details shall be indicated on shop drawings.

3.03 ERECTION

A. General:

- Comply with AISC Specifications, AISC Code of Standard Practice, OSHA requirements, and as herein specified, as defined by Article 7.9.3 of non-self-supporting steel frames
- All steel framing shall be considered the AISC Code of Standard Practice, latest edition.
- Contractor shall provide all necessary temporary support until required connections or other interacting elements are complete.

B. Temporary Shoring and Bracing: Provide temporary shoring and bracing members with connections of sufficient strength to bear imposed loads. Remove temporary members and connections only after permanent members are in place and final connections are made. Provide temporary guy lines to achieve proper alignment of the structures as erection proceeds. Where camber is specified, the cambered position shall be maintained and continuously monitored until all connections are complete.

C. Anchor Bolts:

- Furnish anchor bolts and connectors for securing structural steel to foundations and other in-place work.
- Furnish templates and devices for presetting bolts and anchors to accurate locations.
- Refer to Division 3 of these specifications for anchor bolt installation requirements in concrete, and Division 4 for masonry installation.

D. Setting Leveling Plates, Base Plates and Bearing Plates:

- Clean concrete and masonry bearing surfaces of bond-reducing materials and roughen to improve bond to surfaces. Clean the bottom surface of base and bearing plates.
- Set loose and attached bearing plates for structural members on steel wedges or adjusting devices. Column base plates to be set on 1/4" thick steel leveling plates of same horizontal dimensions as base plate. Leveling plates to be set on min. 3/4" non-shrink grout to exact level and grade elevation a min. of 3 days prior to erection of columns over.
- Tighten the anchor bolts after the supported members have been positioned and plumbed. Do not remove wedges or shims, but if protruding, cut off flush with the edge of the base or bearing plate prior to packing with grout.
- Pack grout between bearing surfaces and bases or plates to ensure that no voids remain. Finish exposed surfaces, protect installed materials, and allow to cure in compliance with manufacturer's instructions.

E. Touch-up Painting:

Immediately after erection, clean field welds, bolted connections, and abraded areas of the shop paint. Apply paint to exposed areas with the same material as used for shop painting. Apply by brush or spray to provide a minimum dry film thickness of 2.0 mils.

END OF SECTION 05120



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RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 04/27/22
DRAWN BY: JCG
APPROVED BY: WHSIII

SCHEDULE OF REVISIONS

#	DATE	DESCRIPTION

SPECIFICATIONS

S5.0



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PROJECT NO. 22017

SECTION 05310 - STEEL DECK

PART 1 - GENERAL

- 1.01 SUMMARY
 - A. This Section includes steel deck units for floor and roof applications.
- 1.02 SUBMITTALS
 - A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
 - 1. Product data including manufacturer's specifications and installation instructions for each type of decking and accessories.
 - a. Provide test data for mechanical fasteners used in lieu of welding for fastening deck to supporting structures.
 - 2. Shop drawings showing layout and types of deck units, anchorage details, and conditions requiring closure strips, supplementary framing, sump pans, cant strips, cut openings, special jointing, and other accessories.
- 1.03 QUALITY ASSURANCE
 - A. Codes and Standards: Comply with provisions of the following codes and standards, except as otherwise indicated:
 - 1. American Iron and Steel Institute (AISI), "Specification for the Design of Cold-Formed Steel Structural Members."
 - 2. American Welding Society (AWS), D1.3 "Structural Welding Code - Sheet Steel."
 - 3. Steel Deck Institute (SDI), "Design Manual for Composite Decks, Form Decks and Roof Decks."
 - B. Qualification of Field Welding: Use qualified welding processes and welding operators in accordance with "Welder Qualification" procedures of AWS.
 - 1. Welded decking in place is subject to inspection and testing. Owner will bear expense of removing and replacing portions of decking for testing purposes if welds are found to be satisfactory. Remove work found to be defective and replace with new acceptable work.
 - C. Underwriters' Label: Provide metal floor deck units listed in Underwriters' Laboratories "Fire Resistance Directory", with each deck unit bearing the UL label and marking for specific system detail.
 - D. FM Listing: Provide steel roof deck units that have been evaluated by Factory Mutual System and are listed in "Factory Mutual Approval Guide" for "Class 1" fire-rated construction.

PART 2 - PRODUCTS

- 2.01 MATERIALS
 - A. Steel for Galvanized Metal Deck Units: ASTM A 653, grade as required to comply with SDI specifications.
 - B. Miscellaneous Steel Shapes: ASTM A 36.
 - C. Sheet Metal Accessories: ASTM A 653, commercial quality, galvanized.
 - D. Galvanizing: ASTM A 653, G90.
 - E. Galvanizing Repair: Where galvanized surfaces are damaged, prepare surfaces and repair in accordance with procedures specified in ASTM A 780.
 - F. Flexible Closure Strips: Manufacturer's standard vulcanized, closed-cell, synthetic rubber.
- 2.02 FABRICATION
 - A. General: Form deck units in lengths to span three or more supports, with flush, telescoped, or nested 2-inch laps at ends and interlocking or nested side laps, of metal thickness, depth, and width as indicated.
 - B. Roof Deck Units: Provide deck configurations that comply with SDI "Specifications and Commentary for Steel Roof Deck."
 - C. Non-Composite Steel Form Deck: Provide fluted sections of metal deck as permanent forms for reinforced concrete slabs.
 - D. Metal Cover Plates: Fabricate metal cover plates for end-abutting floor deck units of not less than same thickness as decking. Form to match contour of deck units and approximately 6 inches wide.
 - E. Metal Closure Strips: Fabricate metal closure strips, for cell raceways and openings between decking and other construction, of not less than 0.045-inch min. (18 gage) sheet steel. Form to provide tight-fitting closures at open ends of cells or flutes and sides of decking.

PART 3 - EXECUTION

- 3.01 INSTALLATION
 - A. General: Install deck units and accessories in accordance with manufacturer's recommendations, shop drawings, and as specified herein.
 - B. Place deck units on supporting steel framework and adjust to final position with ends accurately aligned and bearing on supporting members before being permanently fastened. Do not stretch or contract side lap interlocks.
 - C. Align deck units for entire length of run of cells and with close alignment between cells at ends of abutting units.
 - D. Place deck units flat and square, secured to adjacent framing without warp or deflection.
 - E. Do not place deck units on concrete supporting structure until concrete has cured and is dry.
 - F. Coordinate and cooperate with structural steel erector in locating decking bundles to prevent overloading of structural members.
 - G. Do not use floor deck units for storage or working platforms until permanently secured.
 - H. Fastening Deck Units:
 - 1. Fasten floor deck units to steel supporting members by nominal 5/8-inch puddle welds or elongated welds of equal strength, spaced not more than 12 inches o.c. with a minimum of two welds per unit at each support.
 - 2. Tack weld or use self-tapping No. 8 or larger machine screws at 4 feet o.c. for fastening end closures.
 - 3. Fasten roof deck units to steel supporting members by not less than 5/8-inch-diameter puddle welds or elongated welds of equal strength, spaced not more than 12 inches at every support, and at 6' at perimeter of roof and mechanical openings. In addition, secure deck to each supporting member in ribs where side laps occur.
 - 4. Comply with AWS requirements and procedures for manual shielded metal arc welding, appearance and quality of welds, and methods used in correcting welding work.
 - a. Use welding washers where recommended by deck manufacturer.
 - 5. Mechanical fasteners, either powder-actuated or pneumatically driven, may be used in lieu of welding. Locate mechanical fasteners and install in accordance with deck manufacturer's instructions.
 - 6. Uplift Loading: Install and anchor roof deck units to resist uplift loading shown herein.
 - I. Cutting and Fitting: Cut and neatly fit deck units and accessories around other work projecting through or adjacent to the decking, as shown.
 - J. Reinforcement at Openings: Provide additional metal reinforcement and closure pieces as required for strength, continuity of decking, and support of other work shown.
 - K. Touch-Up Painting: After decking installation, wire brush, clean, and paint scarred areas, welds, and rust spots on top and bottom surfaces of decking units and supporting steel members.
 - 1. Touch-up galvanized surfaces with galvanizing repair paint applied in accordance with manufacturer's instructions.
 - 2. Touch-up painted surfaces with same type of shop paint used on adjacent surfaces.
 - L. In areas where shop-painted surfaces are to be exposed, apply touch-up paint to blend into adjacent surfaces.
 - M. Touch-Up Painting: Cleaning and touch-up painting of field welds, abraded areas, and rust spots, as required after erection and before proceeding with field painting, is included in Division 9 under "Painting."

END OF SECTION 05310

SECTION 05 45 00 - PRE-ENGINEERED LIGHT GAUGE STEEL TRUSS FRAMES

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
 - A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- 1.2 SUMMARY
 - A. Section includes all work and supplementary items required to complete the proper installation of the pre-engineered light gauge roof trusses as shown on the Contract Documents and specified herein including headers, outriggers, supplemental rafters and incidental framing for a complete assembly within the extent shown on the drawings.
 - B. Pre-engineered light gauge steel trusses include planar structural units consisting of welded, screwed or bolted connected members which are fabricated, cut and assembled prior to delivery or at the job site.
 - C. Types of prefabricated trusses include:
 - 1. Gable-shaped trusses
 - 2. Monopitch trusses
 - 3. Irregular shaped trusses
- 1.3 RELATED SECTIONS
 - A. Structural Steel: Section 05120.
- 1.4 REFERENCE STANDARDS
 - A. The following documents of the issue in effect on the date of material procurement, referred to hereafter by basic designation only form a part of this specification to the extent indicated by reference thereto.
 - 1. American Iron and Steel Institute:
 - a. Specification for the Design of Cold-Formed Steel Structural Members.
 - 2. American Society of Testing Materials:
 - a. ASTM A 653: "Specification for Sheet Steel, Zinc Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvanized) by the Hot-Dip Process."
 - Grade A, Fy = 33 ksi; 18 gauge and lighter
 - Grade D, Fy = 50 ksi; 16 gauge and heavier
 - Galvanizing: G-60 Coating Class
 - 3. American Welding Society:
 - a. AWS D1.0 "Code for Welding in Building Construction"
 - b. ANSI Z49.1 "Safety in Welding and Cutting"
- 1.5 QUALIFICATIONS
 - A. Trusses shall be designed, fabricated and erected by a firm which has a record including a minimum of five years of successfully fabricating trussed assemblies similar to scope required and which practices a quality assurance program certified by the Truss Plate Institute.
- 1.6 SUBMITTALS
 - A. Product data: Submit fabricator's technical data covering materials, shapes, hardware, fabrication process, handling and erection. Submit certificate, signed by an officer of subcontractor or fabricating firm, indicating that trusses to be supplied for project comply with indicated requirements.
 - B. Shop drawings: It is the fabricator's responsibility to design, provide, and detail a complete roof system. Submit shop drawings showing shapes and dimensions of members to be used including pitch, span, camber configuration and spacing for each type or configuration of truss required. Show all bearing and anchorage details. Specify and detail all supplemental strapping, temporary and permanent bracing, all connections to the structure, all supplemental members required to support overhangs, diaphragm frames, truss to truss connections, including all bracing and bridging, structurally supported hip and valley plates, perimeter eave and ridge plates, bracing clips and other accessories required for proper installation and support of composite roof decking. Shop drawings shall include all placement sequences and instructions. To the extent engineering design considerations are indicated as fabricator's responsibility, submit design analysis and test reports indicating loading, section properties, allowable stress, stress diagrams and calculations, and similar information needed for analysis and to insure trusses comply with requirements. All designs, calculations, and shop drawings shall bear the name and seal of a Structural Engineer licensed to practice in the state where the trusses are to be erected.
 - C. Basis of Design: Basis of Design is indicated on drawings.
 - D. For each approved fabricator that is exempt from special inspections of shop fabrications and implementation procedures in accordance with Section 1704.2.5.2 of IBC 2012, the Contractor shall submit "Fabricator's Certificate of Compliance". Contractor shall also provide copies of fabricator's certification or building code evaluation services report and fabricator's quality control manual.
- 1.7 DELIVERY, STORAGE AND HANDLING
 - A. Deliver, store and handle products in exact accordance with the manufacturer's latest published requirements and specifications to avoid damage from bending, overturning, or other cause for which truss is not designed to resist or endure. Storage shall be offground in a dry ventilated space or protect with waterproof coverings.
 - B. Time fabrication and erection of trusses to avoid extended on-site storage and to avoid delaying work of other trades whose work must follow erection of trusses.

PART 2 - PRODUCTS

- 2.1 FRAMING COMPONENTS
 - A. Available Manufacturer: Subject to compliance with requirements, framing shapes and components for pre-engineered light gauge prefabricated steel trusses shall be as manufactured or recommended by United States Gypsum Company or approved equal.
 - B. Design, analysis and computation of section properties shall be in conformance with the Specification for the Design of Cold-Formed Steel Structural Members of the American Iron and Steel Institute.
 - C. All galvanized structural members shall be formed from steel that corresponds to the requirements of ASTM A 653, Grade A (minimum yield of 33 ksi) for 18 gauge steel or lighter and ASTM A 653, Grade D (minimum yield of 50 psi) for 16 gauge or heavier.
 - D. All steel members shall be galvanized with a G60 coating minimum.
- 2.2 FASTENERS
 - A. Framing components shall be field or shop fabricated and joined to one another by means of welding or through the use of screws as recommended by the component provider.

PART 3 - EXECUTION

- 3.1 EXAMINATION
 - A. Visually examine and verify that receiving surfaces of the substructure have no apparent defects or errors which would result in substandard workmanship. Additionally, the following items shall be installed and inspected prior to roof truss installation.
 - 1. Conditions of Surfaces.
 - a. Exterior bearing plates:
 - (1) Properly positioned within Bond Beam.
 - (2) Installed so as to allow complete and adequate contact with truss connection member.
 - b. Interior bearing plates:
 - (1) Properly positioned within Bond Beam.
 - (2) Installed so as to allow complete and adequate contact with truss connection member.
 - c. Exterior and Interior Bearing Plates installed in proper elevations so as to permit the installation of the truss system without the use of shims or adjustability.
 - B. Report any unsatisfactory conditions to the Architect.

3.2 PREPARATION

- A. Structural Adequacy: Contractor shall prepare the structure to insure proper and adequate structural support for the materials specified.
- 3.3 FABRICATION
 - A. Light gauge steel trusses may be fabricated either on the jobsite or at the fabricator's shop.
 - B. All trusses shall be fabricated and erected in strict accordance with the current printed instructions of the approved subcontractor or fabricator.
 - C. All truss components shall be straight and true prior to fabrication. Flattening or straightening of components, when necessary, shall be accomplished in a manner so as to not damage the component.
 - D. All truss components shall be cut neatly to fit snugly against adjacent members.
 - E. No splices will be allowed in trusses except as authorized in writing by the Architect or as shown on the approved shop drawings.
 - F. Provide all clips, angles, and other miscellaneous pieces necessary to attach light gauge steel trusses to the substructure or to attach other components within this section to one another.
 - G. All trusses shall be erected true and plumb and properly bridged and braced in accordance with the approved shop drawings.
 - H. All truss components shall be connected to one another by means of screw attachment or by welding.
 - I. Completed trusses shall be free from twists, bends, or open joints with all members straight and true to line.
 - J. If the truss components have been welded to one another then all welds must be thoroughly cleaned and wire brushed and primed and painted with a high zinc content paint capable of providing an equal or greater degree of protection than the original G60 galvanized coating.
- 3.4 ERECTION
 - A. Prefabricated trusses shall be braced against racking. Lifting of trusses shall be done so as to not cause local distortion in any member.
 - B. All light gauge steel framing shall be erected by approved methods using equipment of adequate capacity to safely perform the work.
 - C. The contractor is responsible for checking the dimensions and assuring the fit of all members and trusses before erection begins.
 - D. All work shall be erected plumb and level and to dimensions, spacings indicated on the drawings.
 - E. Components shall be of the size and spacing shown on the approved shop drawings.
 - F. Provide web stiffeners and reinforcement at reaction points where required by analysis or to suit details.
 - G. Hoist units in place by means of lifting equipment suited to sizes and types of trusses required, applied at designated lift points as recommended by fabricator, exercising care not to damage truss members.
 - H. Provide temporary bracing as required to maintain trusses plumb, parallel and in location indicated, until permanent bracing is installed.
 - I. Anchor trusses securely at all bearing points to comply with methods and details indicated.
 - J. Install permanent bracing and related components to enable trusses to maintain design spacing, withstand live and dead loads, and comply with other indicated requirements.
 - K. Do not cut or remove truss members.

END OF SECTION 05 45 00



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RENOVATION & ADDITION
NORTH MAIN ANNEX
 115 NORTH MAIN ST. STATESBORO, GA 30458

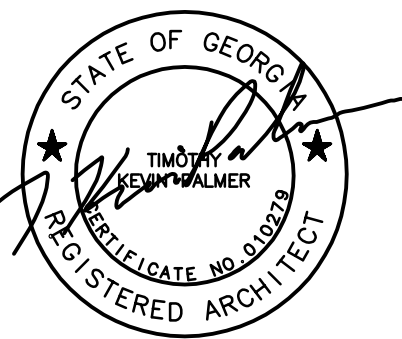
FOR CONSTRUCTION		
PROJECT NUMBER:	2163	
PROJECT DATE:	04/27/22	
DRAWN BY:	JCG	
APPROVED BY:	WHSIII	
SCHEDULE OF REVISIONS		
#	DATE	DESCRIPTION

SPECIFICATIONS

S5.1

SAUSSY ENGINEERING
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PROJECT NO. 22017



FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

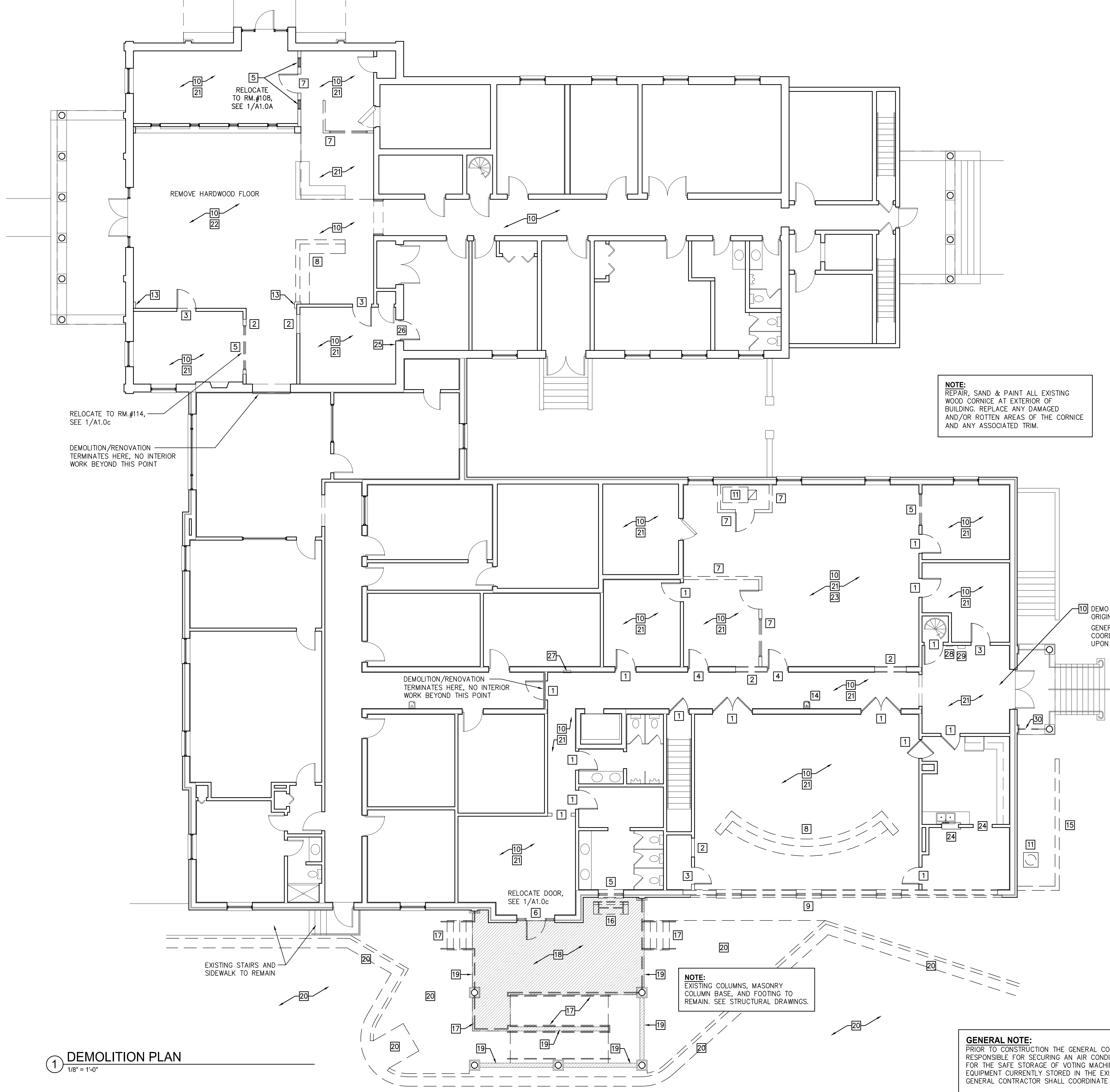
#	DATE

DEMOLITION PLAN

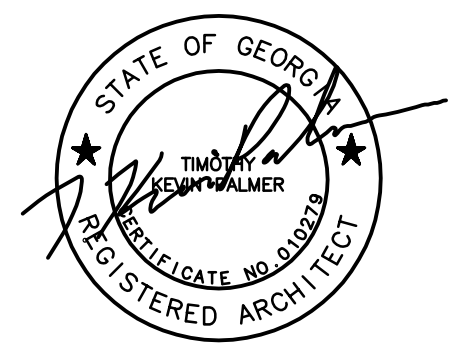
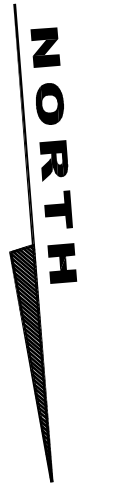
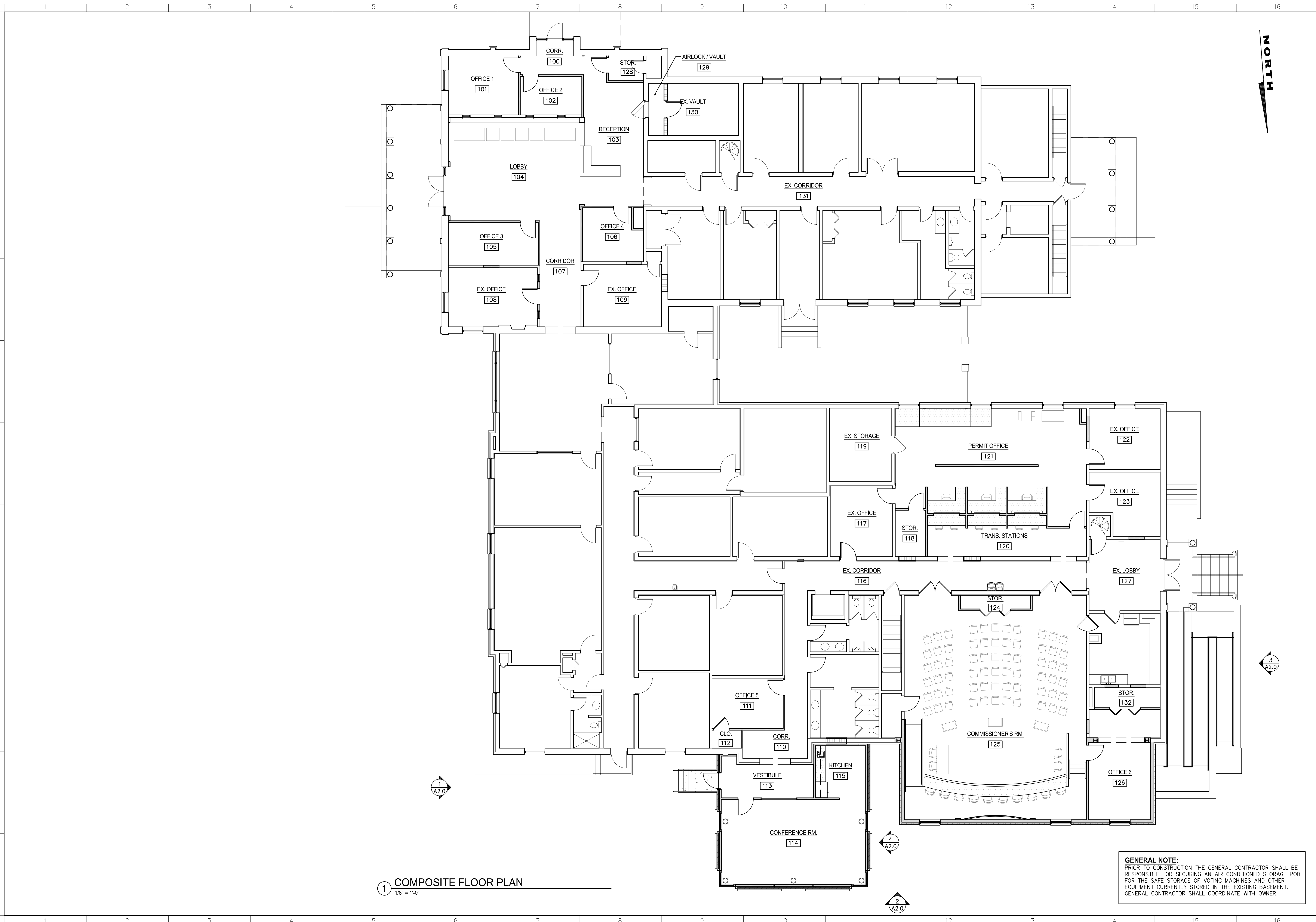
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NORTH

- KEYED DEMOLITION NOTES**
- REMOVE EXISTING DOOR, FRAME AND HARDWARE. SUPPLY NEW DOOR, FRAME AND HARDWARE PER DOOR SCHEDULE.
 - CUT OPENING / REMOVE INTERIOR WALL AS INDICATED TO ACCEPT INSTALLATION OF NEW DOOR OR CASIED OPENING. INCLUDES G.W.B., WOOD/STEEL STUDS, BASE PLATE, PURLINS, TOP PLATE, BASE MOULD, CROWN MOULD, OUTLETS, JUNCTION BOXES, SWITCHES, PHONE JACKS, WIRING, BRICK, VAPOR BARRIER, ETC. AND/OR EXISTING CMU PARTITIONS. SEE NEW FLOOR PLAN AND DOOR SCHEDULE.
 - REMOVE EXISTING DOOR, FRAME, TRIM, HARDWARE, ETC. INFILL WITH 3 5/8" METAL STUD FRAMING @ 16" O.C. WITH 5/8" GYPSUM WALL BOARD BOTH SIDES FLUSH WITH EXISTING WALL.
 - REMOVE EXISTING DOOR, FRAME, TRIM, HARDWARE, ETC. INFILL WITH 8" CMU WITH 7/8" METAL HAT CHANNEL FURRING @ 16" O.C. WITH 5/8" GYPSUM WALL BOARD BOTH SIDES FLUSH WITH EXISTING WALL.
 - REMOVE EXISTING WINDOW, FRAME, SHIMS, TRIM, ETC. INFILL WITH 3 5/8" METAL STUD FRAMING @ 16" O.C. WITH 5/8" GYPSUM WALL BOARD BOTH SIDES FLUSH WITH EXISTING WALL. WINDOW SHALL BE SAFELY STORED FOR FUTURE RELOCATION.
 - REMOVE ALUMINUM STOREFRONT FRAME AND DOOR. REPAIR ANY DAMAGED DRYWALL AS REQUIRED. SAFELY STORE DOOR FOR RELOCATION.
 - DEMO EXISTING INTERIOR WALL PARTITION INCLUDING ANY ASSOCIATED DOORS AND/OR WINDOWS.
 - DEMO MILLWORK AND/OR BUILT-IN CABINET & COUNTERTOP.
 - SHORE UP EXISTING STRUCTURE AND REMOVE PORTION OF EXISTING EXTERIOR WALL, INCLUDING WINDOWS AND DOORS, TO ALLOW FOR NEW CONSTRUCTION AND INSTALLATION OF NEW STEEL BEAM. PRIOR TO CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AN AIR CONDITIONED STORAGE POD FOR THE SAFE STORAGE OF VOTING MACHINES AND OTHER EQUIPMENT CURRENTLY STORED IN THE EXISTING BASEMENT. COORDINATE WITH OWNER.
 - REMOVE EXISTING FLOORING, OR INDICATED PORTION OF FLOORING, TO ALLOW FOR INSTALLATION OF NEW FLOORING. SUBFLOOR TO REMAIN INTACT. PROTECT ADJACENT AREAS WHERE FLOORING IS TO REMAIN, WHERE APPLICABLE.
 - REMOVE/RELOCATE MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS.
 - NOT IN USE.
 - REMOVE DECORATIVE WOOD PILASTER AND REPAIR ANY DAMAGED DRYWALL AS REQUIRED.
 - REMOVE DRINKING FOUNTAIN AND CAP ANY ABANDONED PLUMBING LINES. SEE PLUMBING DRAWINGS.
 - DEMO MASONRY SCREEN WALL.
 - REMOVE BENCH FOR RELOCATION, COORDINATE WITH OWNER.
 - DEMO STAIRS/RAMP AND HANDRAIL.
 - DEMO EXISTING CONCRETE SLAB. SEE STRUCTURAL DRAWINGS.
 - DEMO TOP 12" OF MASONRY HALF WALL TO ALLOW FOR POURING OF NEW CONCRETE SLAB AND VAPOR BARRIER. EXISTING COLUMNS, MASONRY COLUMN BASE, AND FOOTING TO REMAIN AND SHALL NOT BE DISTURBED. SEE STRUCTURAL DRAWINGS.
 - DEMO PAVED PARKING, CONCRETE SLAB, CURB & GUTTER, CURB RAMP, SIDEWALK ETC. SEE CIVIL DRAWINGS FOR EXTENT OF DEMOLITION.
 - REMOVE EXISTING ACOUSTICAL CEILING TILE AND GRID.
 - PATCH AND REPAIR CEILING AS REQUIRED. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR SPECIFIC LOCATIONS.
 - PATCH AND REPAIR FLOOR & SUBFLOOR WHERE AIR DIFFUSERS ARE BEING REMOVED, SEE MECHANICAL FOR SPECIFIC LOCATIONS.
 - REMOVE CASIED OPENING AND ALL ASSOCIATED TRIM, FILL VOID WITH 3 5/8" METAL STUD FRAMING @ 16" O.C. WITH 5/8" GYPSUM WALL BOARD BOTH SIDES FLUSH WITH EXISTING WALL.
 - REMOVE AND REPLACE DAMAGED SECTION OF WOOD WALL PANELS AND MOULDING, NEW PANELS AND MOULDING SHALL MATCH EXISTING.
 - REMOVE DOOR AND DOOR FRAME. FILL VOID WITH 8" CMU WITH DECORATIVE WOOD WALL PANELS (SHALL MATCH EXISTING) ON OFFICE SIDE OF WALL ONLY.
 - REMOVE FIRE EXTINGUISHER CABINET DURING CONSTRUCTION, REINSTALL UPON COMPLETION.
 - REMOVE ALARM SYSTEM PANEL DURING CONSTRUCTION, REINSTALL UPON COMPLETION. COORDINATE WITH OWNER.
 - REMOVE A.E.D. CABINET DURING CONSTRUCTION, REINSTALL UPON COMPLETION.
 - REMOVE PORTION OF EXISTING GUARDRAIL AS REQUIRED TO ACCEPT AND ATTACH NEW GUARDRAIL/HANDRAIL.
 - REMOVE CASIED OPENING AND PORTION OF WALL AS INDICATED.



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



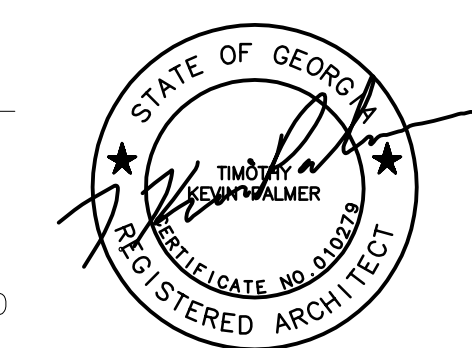
**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION	
PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	AMG
APPROVED BY:	TKP
SCHEDULE OF REVISIONS	
#	DATE

FLOOR PLAN
A1.0

1 COMPOSITE FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTE:
PRIOR TO CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AN AIR CONDITIONED STORAGE POD FOR THE SAFE STORAGE OF VOTING MACHINES AND OTHER EQUIPMENT CURRENTLY STORED IN THE EXISTING BASEMENT. GENERAL CONTRACTOR SHALL COORDINATE WITH OWNER.



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

#	DATE

ENLARGED
FLOOR PLAN "a"

A1.0a

INTERIOR PARTITIONS

GENERAL NOTE:
EXTEND ALL NEW WALLS TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.

◊ - DENOTES WALL TYPE (ie. "A", "B", "C" etc.)

5/8" GYPSUM WALL BOARD
3 5/8" STEEL STUDS AT 16" O.C.
SOUND BATTS AT ALL OFFICES AND CONFERENCE ROOMS
5/8" GYPSUM WALL BOARD

ALL NEW INTERIOR WALLS ARE TYPE "A" UNLESS NOTED OTHERWISE

A TYPICAL INTERIOR WALL

SAME AS WALL TYPE "A" HOWEVER WALL TYPE "B" SHALL EXTEND THRU RAISED FLOOR TO CONCRETE SLAB BELOW; STOP GYPSUM BOARD & SOUND DEADENING INSULATION AT RAISED FLOOR.

B INTERIOR WALLS @ PERMIT OFFICE

5/8" GYPSUM WALL BOARD
7/8" METAL FURRING CHANNEL AT 16" O.C.
8" C.M.U. BLOCK
7/8" METAL FURRING CHANNEL AT 16" O.C.
5/8" GYPSUM WALL BOARD

MATCH EXISTING WALL THICKNESS

C 8" CMU INFILL

3 5/8" METAL STUDS AT 24" O.C.
5/8" GYPSUM WALL BOARD
SOUND BATTS AT ALL OFFICES AND CONFERENCE ROOMS
3 5/8" STEEL STUDS AT 24" O.C.
5/8" GYPSUM WALL BOARD

STAGGER STUDS TO MATCH EXISTING WALL THICKNESS WHERE REQUIRED.

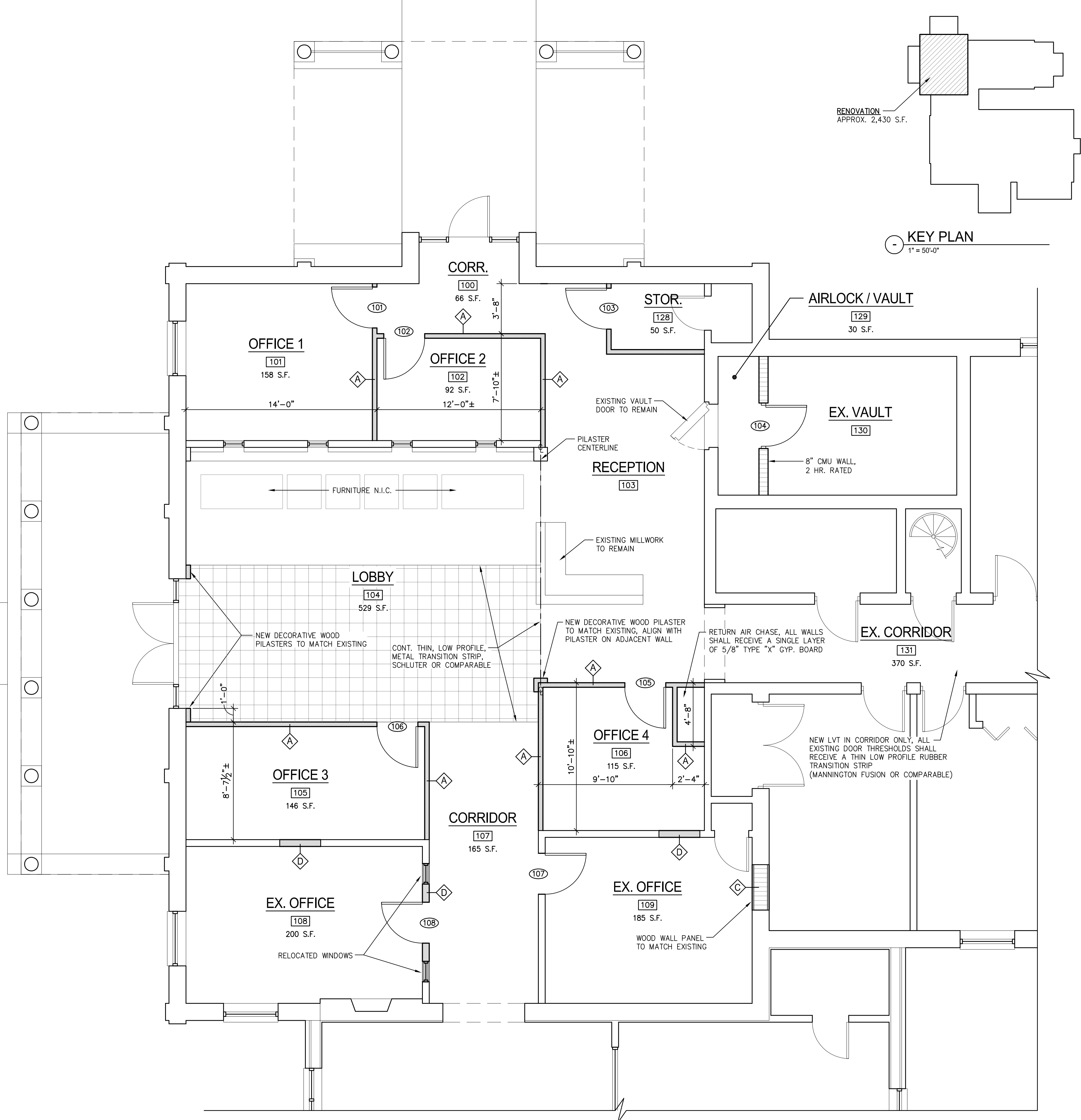
D STEEL STUD INFILL

EXISTING 8" C.M.U. WALL
EXISTING BRICK VENEER
3 5/8" STEEL STUDS AT 16" O.C.
5/8" GYPSUM WALL BOARD

E STEEL STUD FURRING

EXISTING 8" C.M.U. WALL
7/8" METAL FURRING CHANNEL AT 16" O.C.
5/8" GYPSUM WALL BOARD

F HAT CHANNEL FURRING



RENOVATION
APPROX. 2,430 S.F.

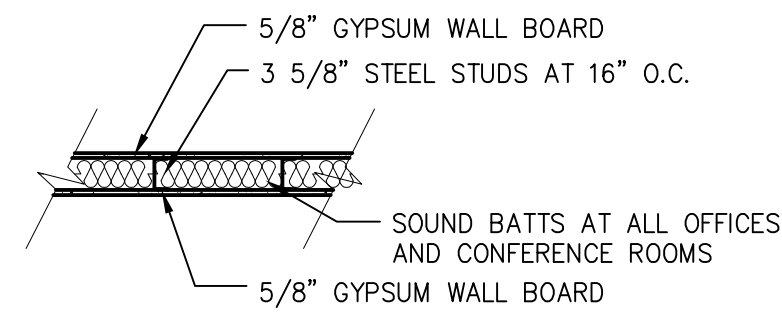
KEY PLAN
1" = 50'-0"

1 ENLARGED FLOOR PLAN "a"
1/4" = 1'-0"

INTERIOR PARTITIONS

GENERAL NOTE:
EXTEND ALL NEW WALLS TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.

⊠ - DENOTES WALL TYPE (ie. "A", "B", "C" etc.)

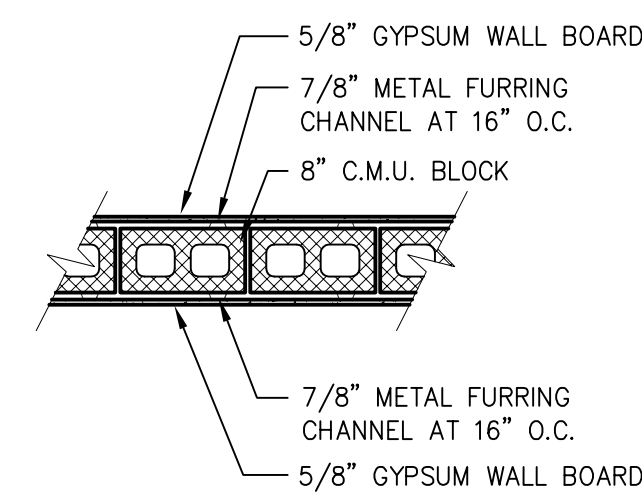


ALL NEW INTERIOR WALLS ARE TYPE "A" UNLESS NOTED OTHERWISE

A TYPICAL INTERIOR WALL

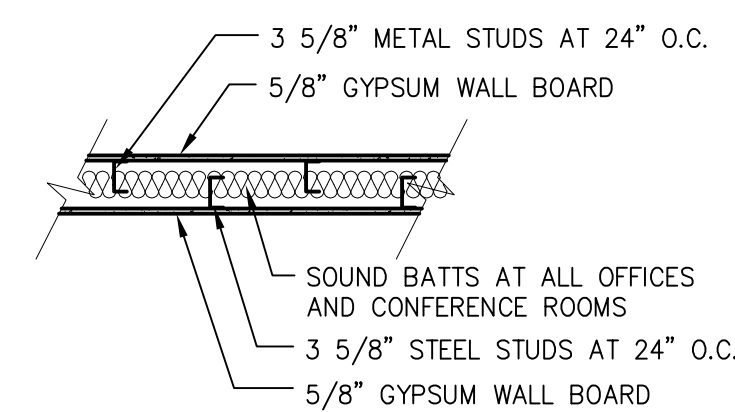
SAME AS WALL TYPE "A" HOWEVER WALL TYPE "B" SHALL EXTEND THRU RAISED FLOOR TO CONCRETE SLAB BELOW; STOP GYPSUM BOARD & SOUND DEADENING INSULATION AT RAISED FLOOR.

B INTERIOR WALLS @ PERMIT OFFICE



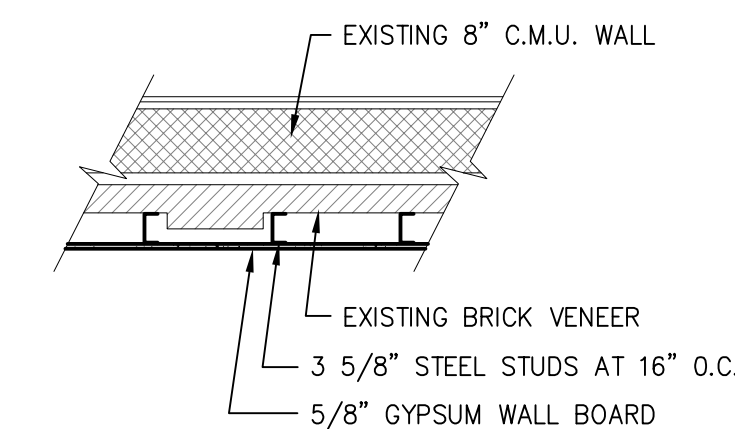
MATCH EXISTING WALL THICKNESS

C 8" CMU INFILL

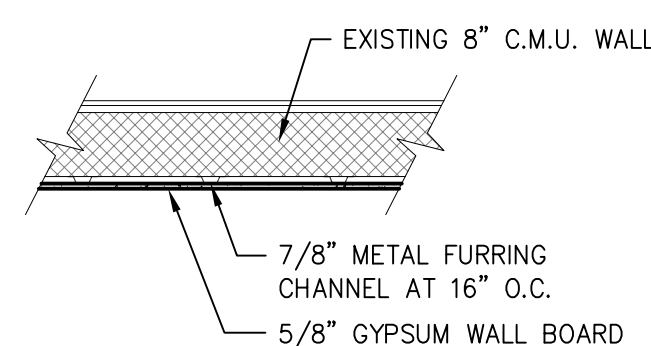


STAGGER STUDS TO MATCH EXISTING WALL THICKNESS WHERE REQUIRED.

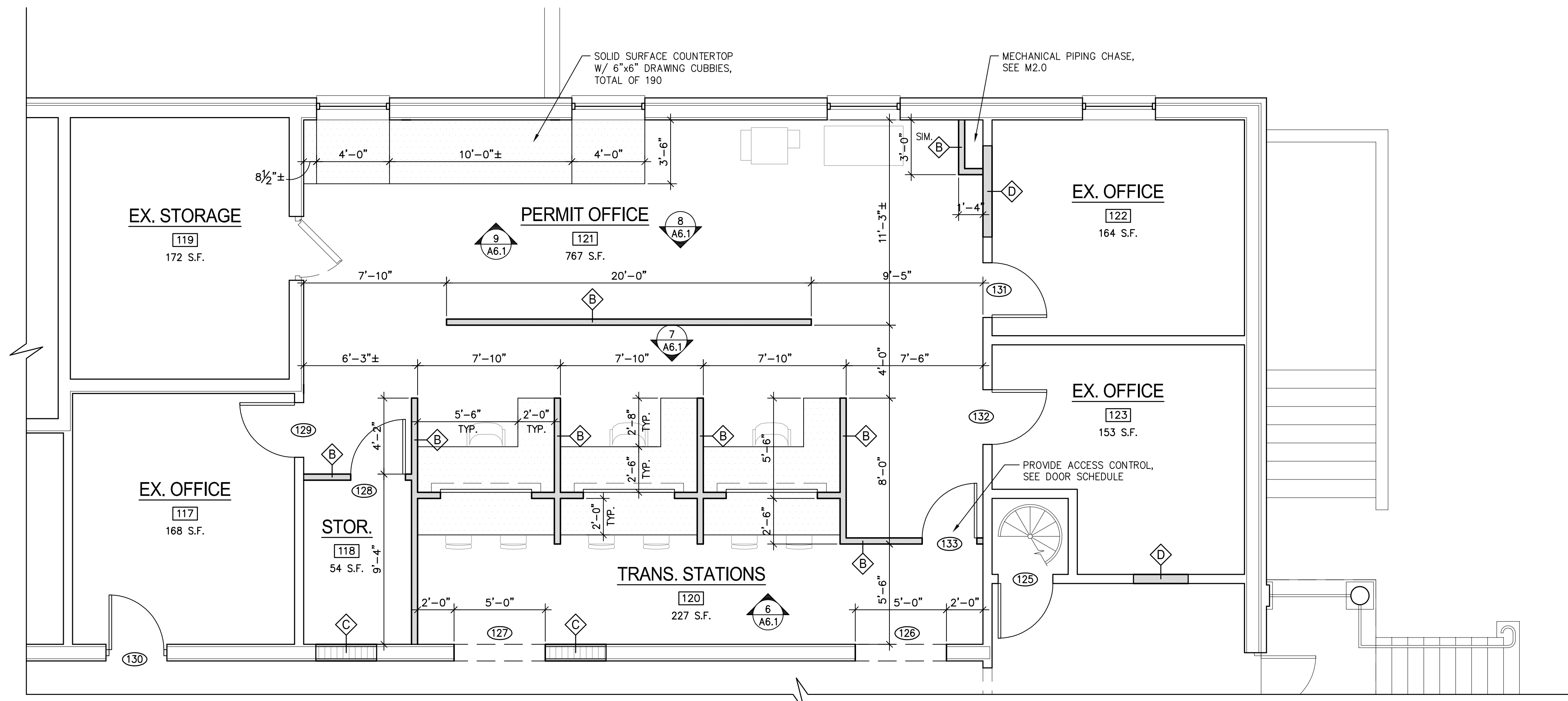
D STEEL STUD INFILL



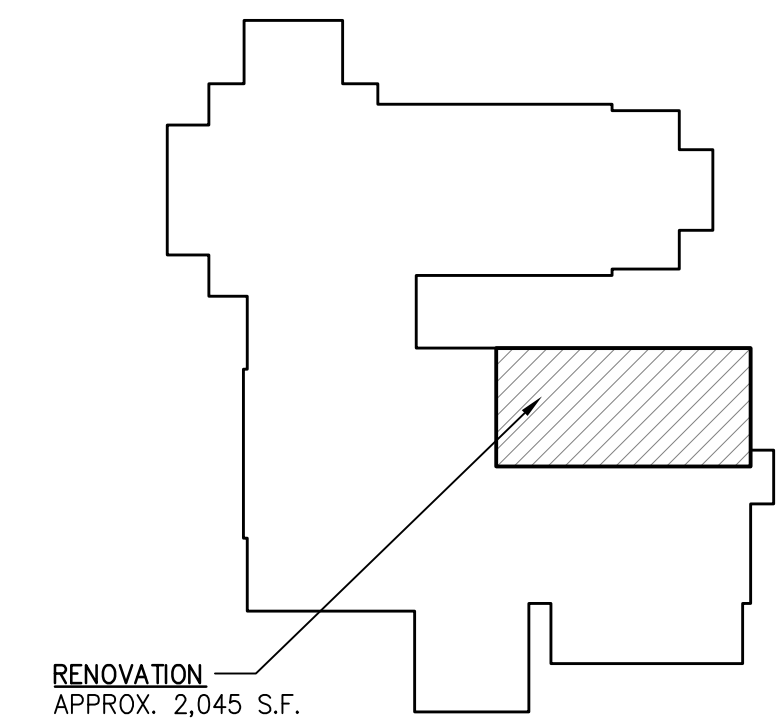
E STEEL STUD FURRING



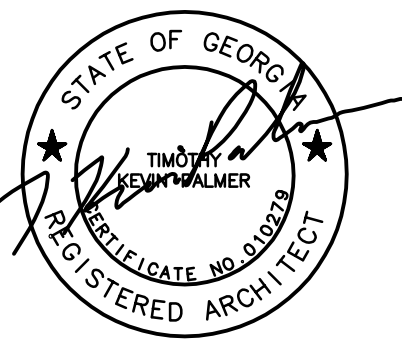
F HAT CHANNEL FURRING



1 ENLARGED FLOOR PLAN "b"
1/4" = 1'-0"



KEY PLAN
1" = 50'-0"



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

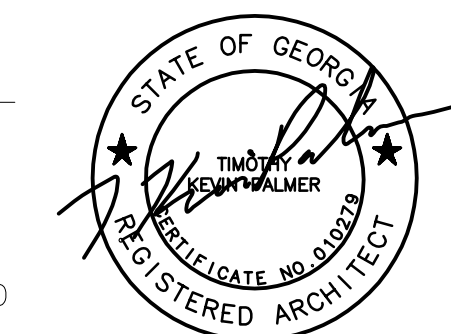
PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

#	DATE

ENLARGED
FLOOR PLAN "b"

A1.0b



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

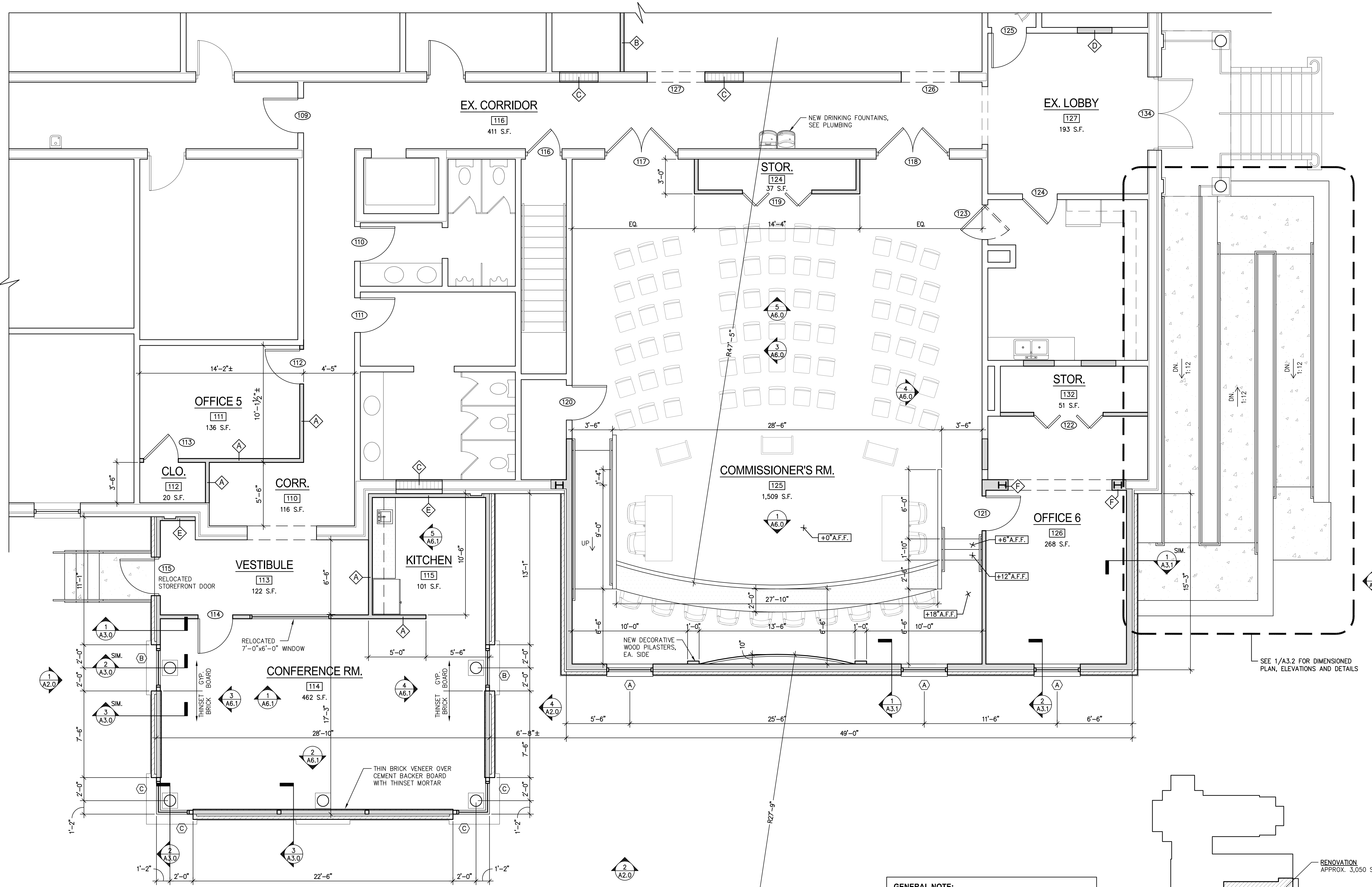
PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

#	DATE

ENLARGED
FLOOR PLAN "c"

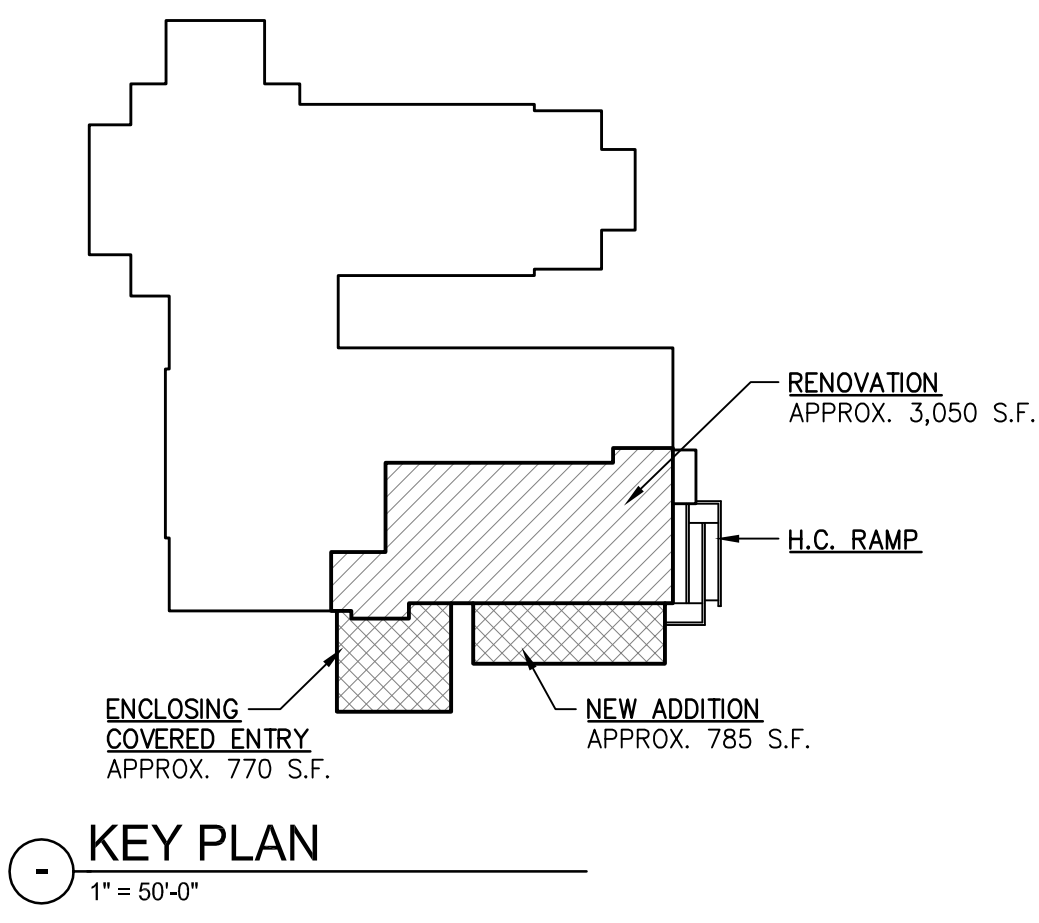
A1.0c



1 ENLARGED FLOOR PLAN "c"
1/4" = 1'-0"

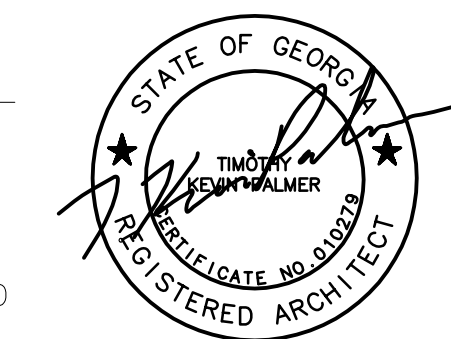
NOTE:
SEE SHEET A1.0a OR A1.0b FOR
INTERIOR PARTITION TYPES

GENERAL NOTE:
PRIOR TO CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE
RESPONSIBLE FOR SECURING AN AIR CONDITIONED STORAGE POD
FOR THE SAFE STORAGE OF VOTING MACHINES AND OTHER
EQUIPMENT CURRENTLY STORED IN THE EXISTING BASEMENT.
GENERAL CONTRACTOR SHALL COORDINATE WITH OWNER.



KEY PLAN
1" = 50'-0"

SEE 1/A3.2 FOR DIMENSIONED
PLAN, ELEVATIONS AND DETAILS



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
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FOR CONSTRUCTION

PROJECT NUMBER: 2163
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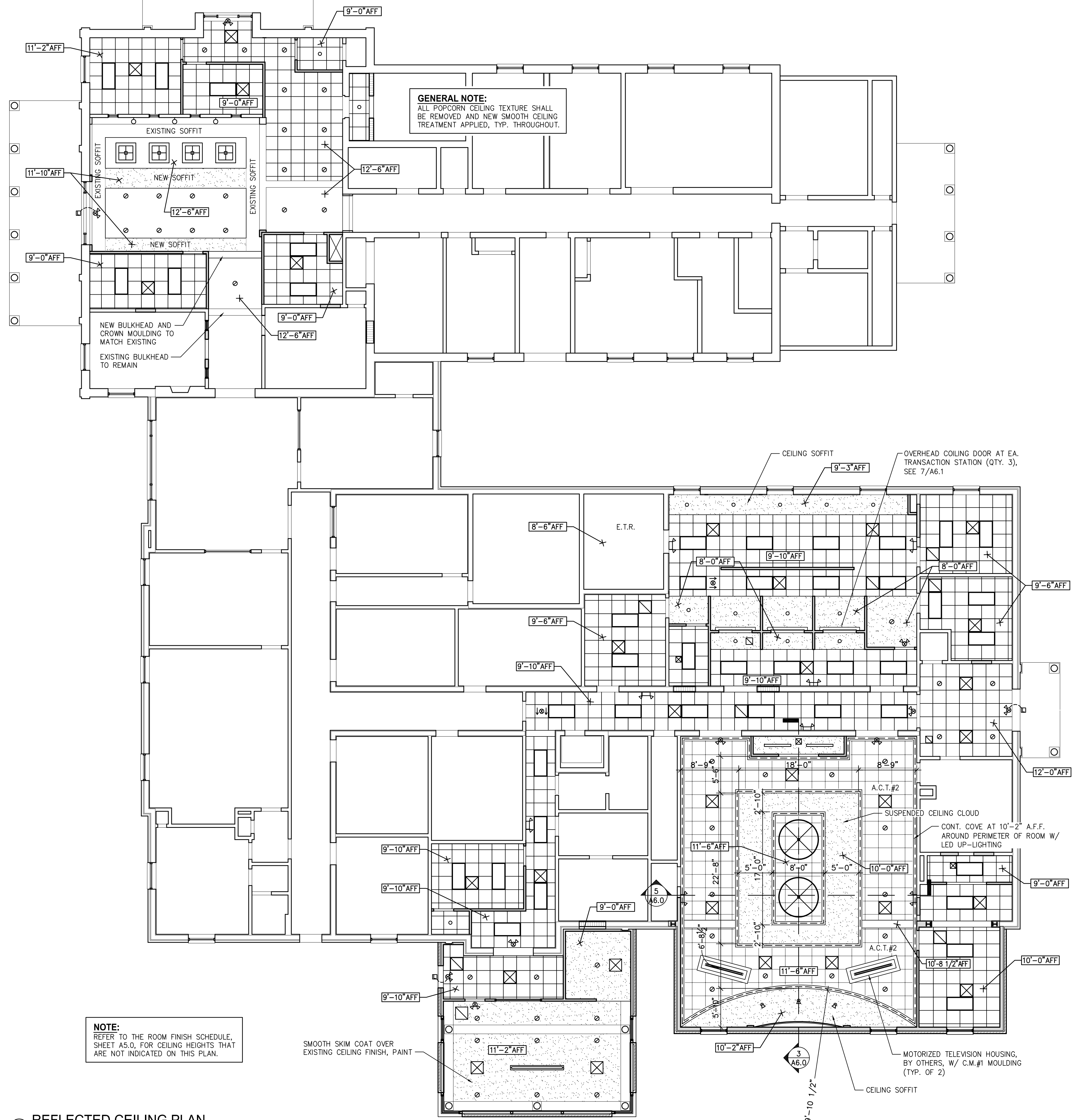
SCHEDULE OF REVISIONS

#	DATE

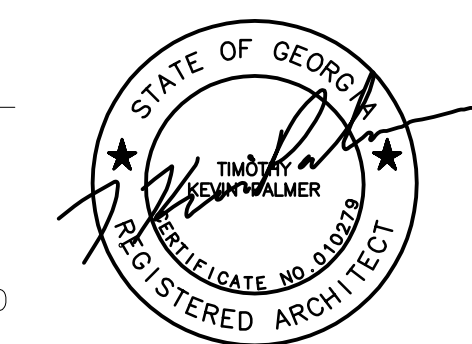
REFLECTED
CEILING PLAN

A1.1

REFLECTED CEILING LEGEND	
	GYPSUM BOARD W/ SMOOTH CEILING TREATMENT
	2x2 ACOUSTIC CEILING TILE (A.C.T.) AND GRID: A.C.T.#1 - STANDARD WHITE 24x24 PANELS, ALL ACOUSTIC CEILING TILE IS A.C.T.#1 UNLESS NOTED OTHERWISE A.C.T.#2 - SHALLOW COFFER 24x24 PANELS, WHITE
	CEILING DIFFUSER, SEE MECHANICAL FOR SIZE
	CEILING RETURN, SEE MECHANICAL FOR SIZE
	EXHAUST FAN
	2x4 LED FLAT PANEL
	6" LED RECESSED CAN
	8" LED RECESSED CAN
	72" CIRCULAR LED PENDANT
	36"x36" SQUARE LED PENDANT
	8" LINEAR LED PENDANT
	48" SURFACE MOUNT LED
	COVE LIGHTING - LED TAPE LIGHT
	LED SPOT LIGHT
	SURFACE WALL MOUNT LED FIXTURE
	EXIT LIGHT FIXTURE, ARROW INDICATES EGRESS ROUTE
	EXIT LIGHT FIXTURE W/ EMERGENCY LIGHT ON BATTERY BACK-UP, "L" INDICATES REMOTE LAMP
	EMERGENCY LIGHT ON BATTERY BACK-UP



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



**RENOVATION & ADDITION
 NORTH MAIN ANNEX**

115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

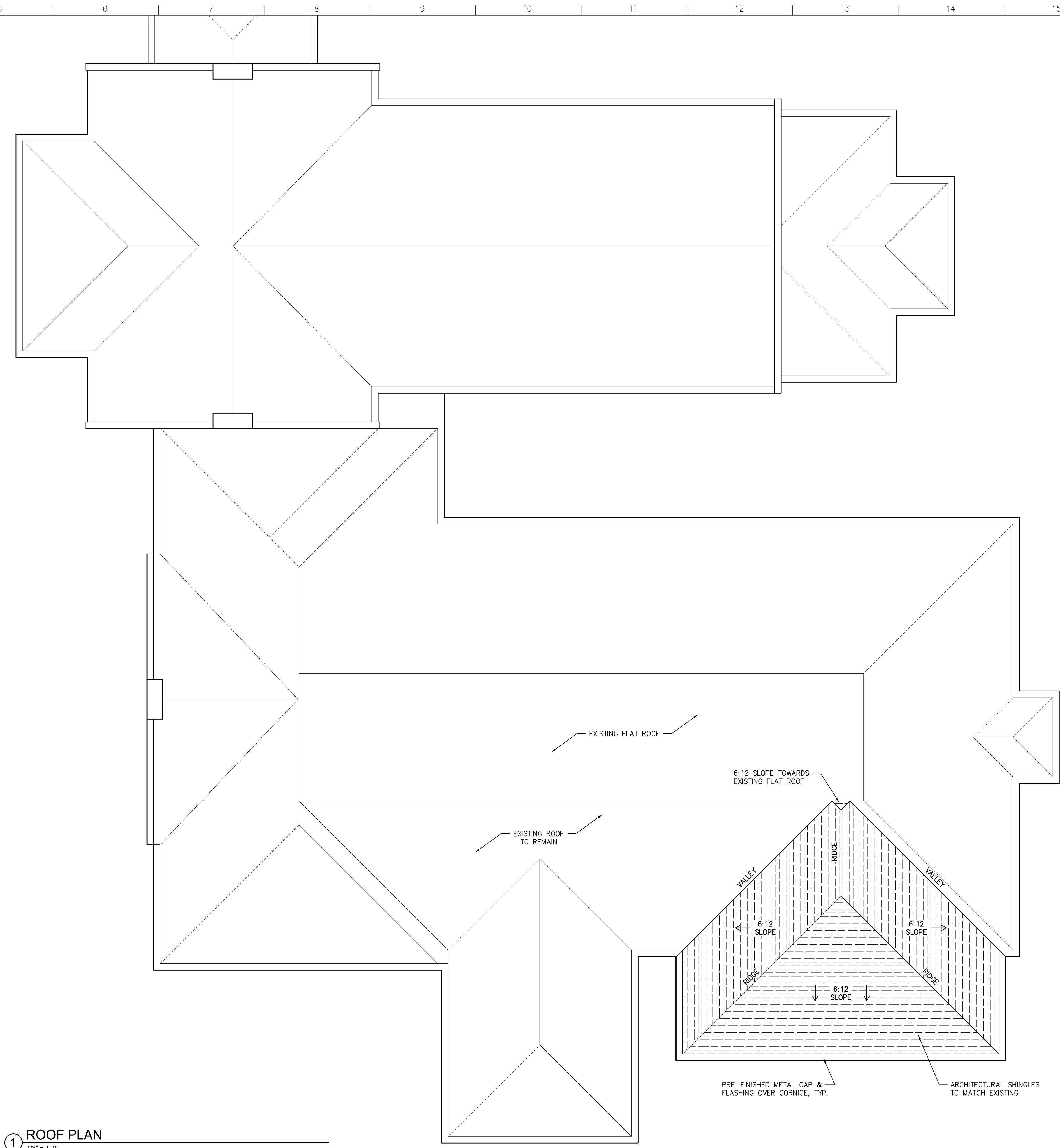
PROJECT NUMBER: 2163
 PROJECT DATE: 4/27/22
 DRAWN BY: AMG
 APPROVED BY: TKP

SCHEDULE OF REVISIONS

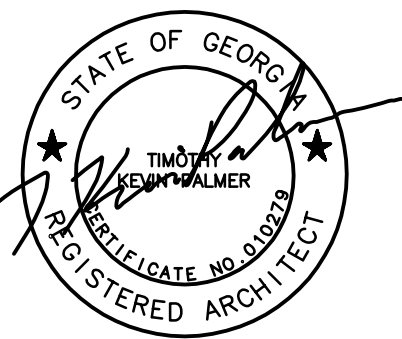
#	DATE

ROOF PLAN
 & DETAILS

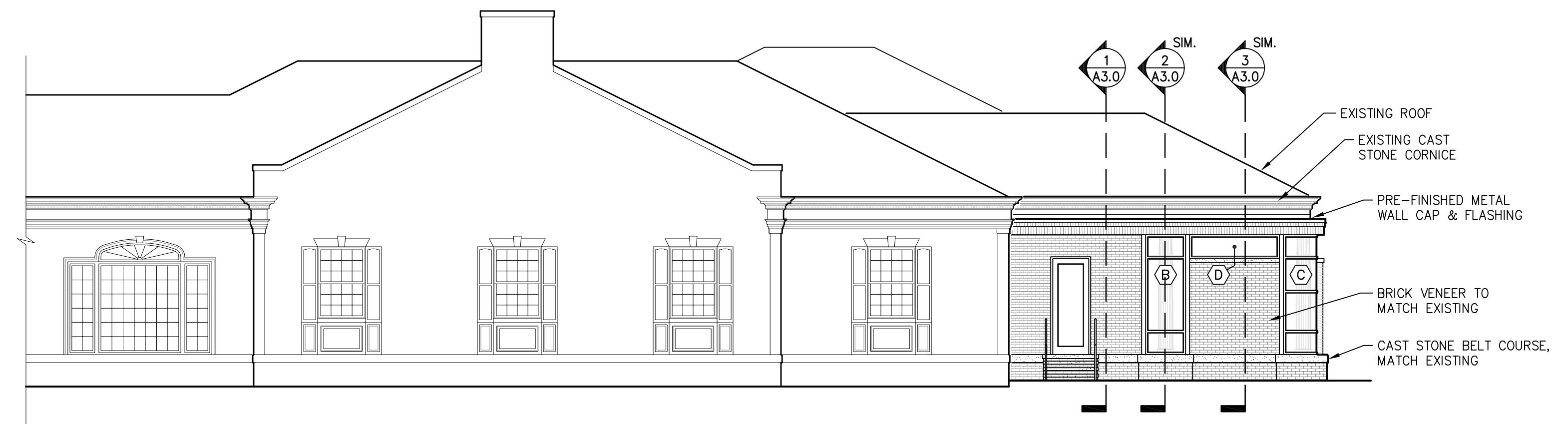
A1.2



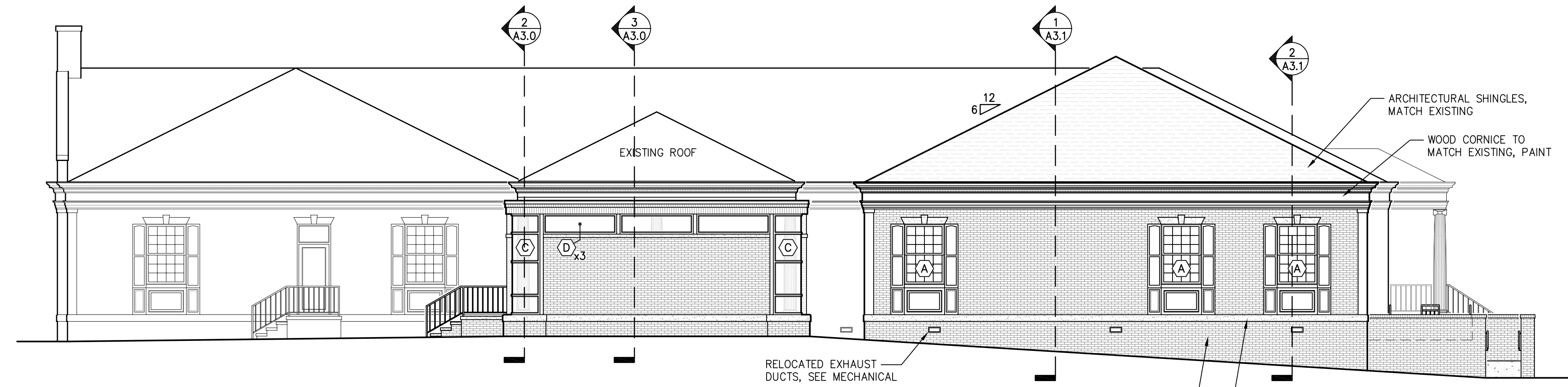
① **ROOF PLAN**
 1/8" = 1'-0"



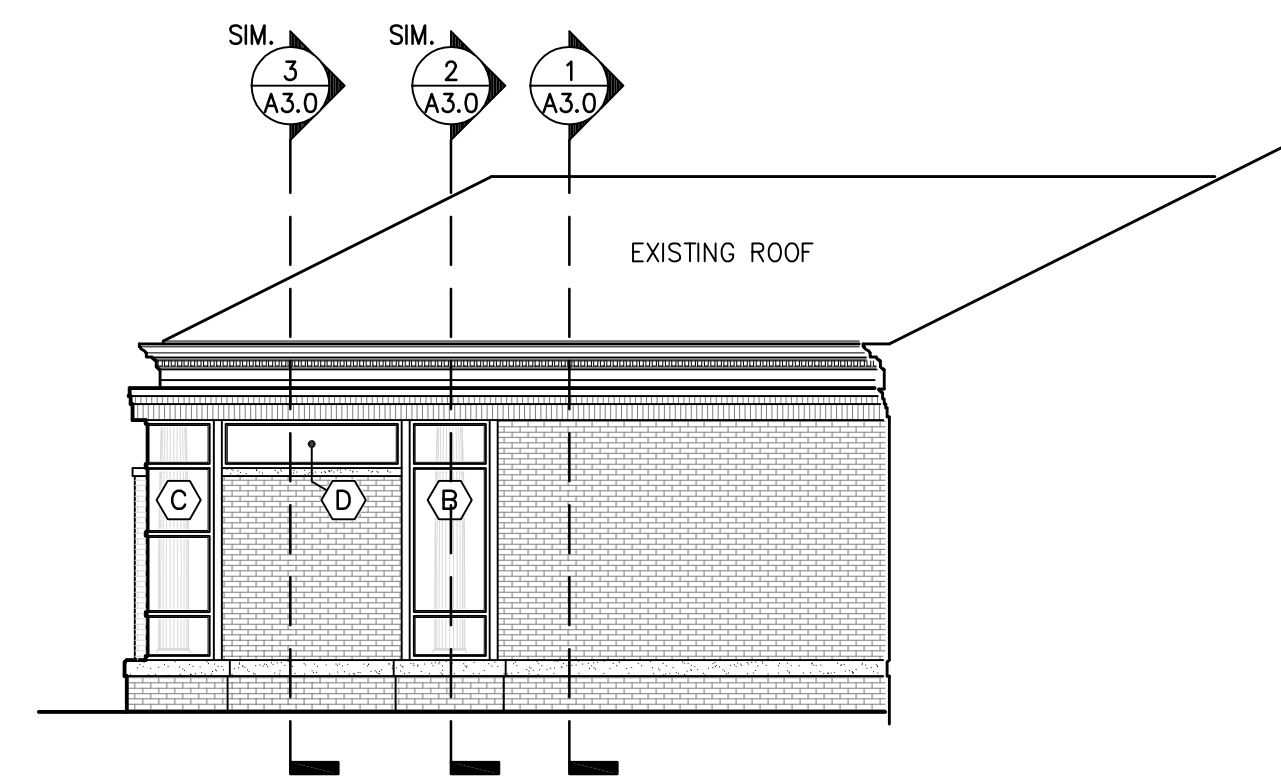
**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458



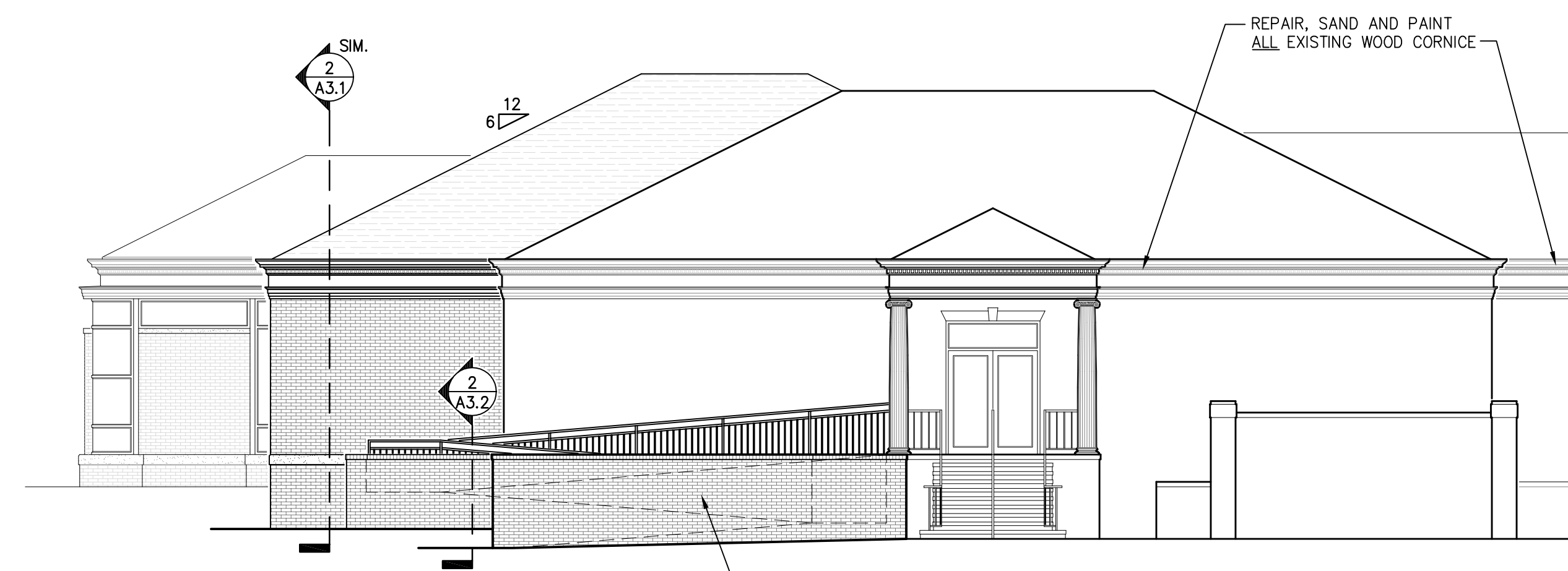
① EAST ELEVATION
1/8" = 1'-0"



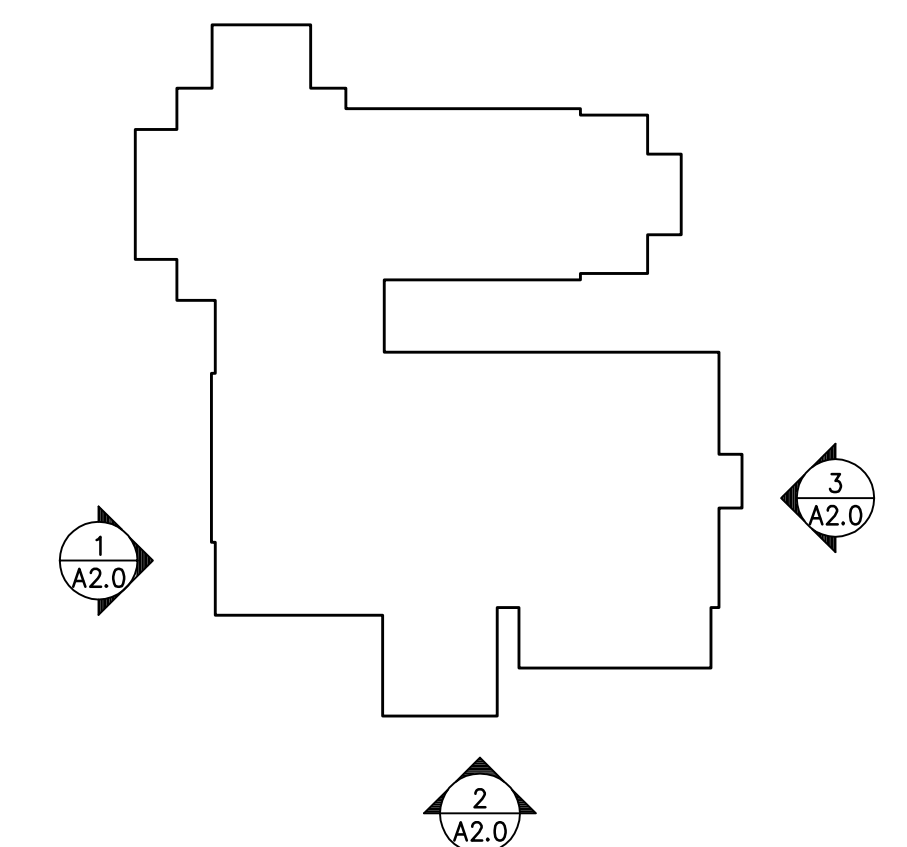
② NORTH ELEVATION
1/8" = 1'-0"



④ WEST ELEVATION (ALCOVE)
1/8" = 1'-0"



③ WEST ELEVATION
1/8" = 1'-0"



KEY PLAN
1" = 50'-0"

FOR CONSTRUCTION

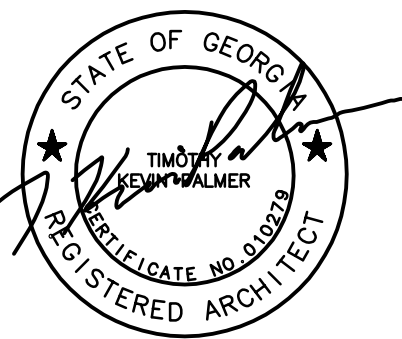
PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

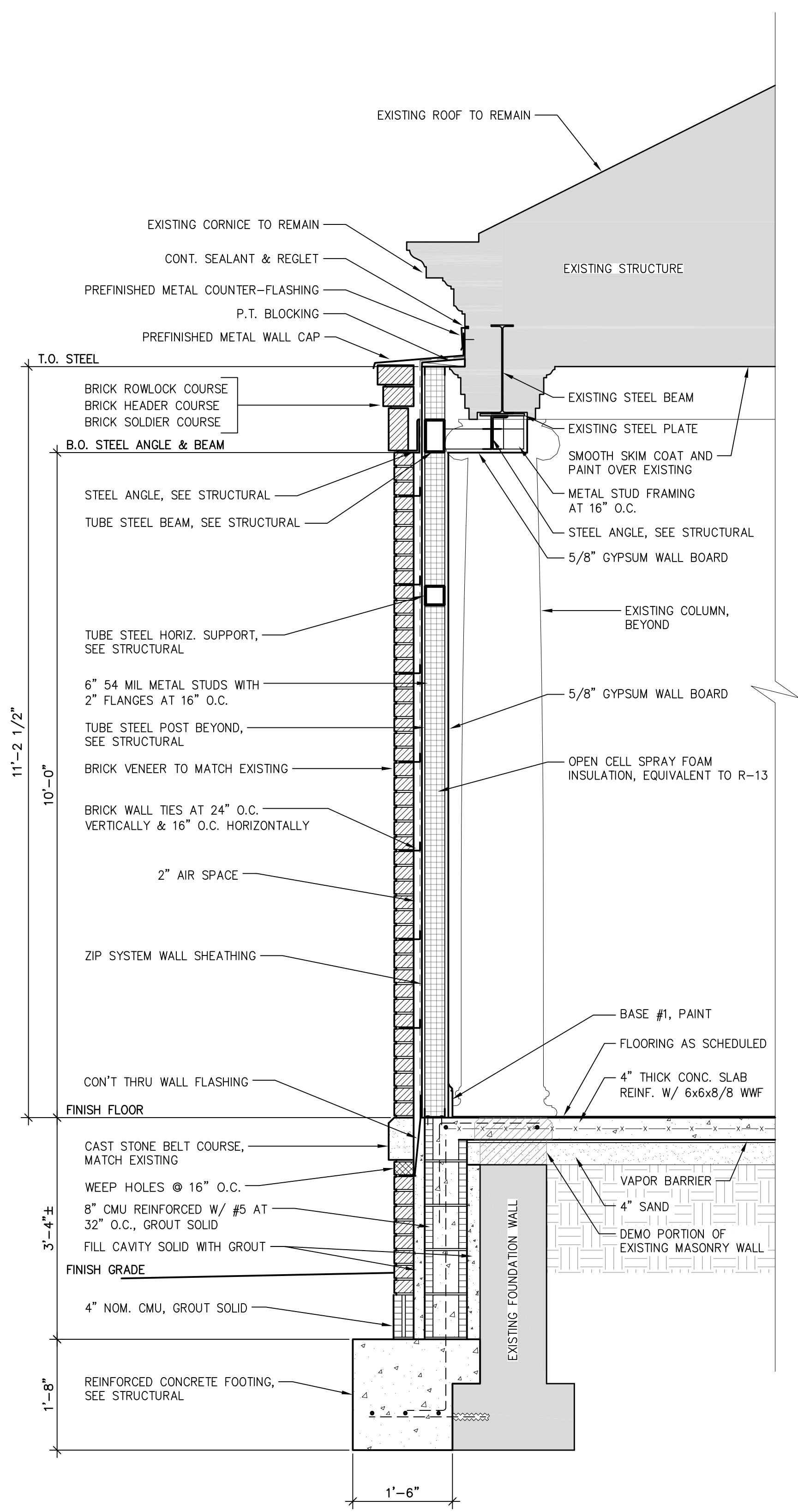
#	DATE

EXTERIOR
ELEVATIONS

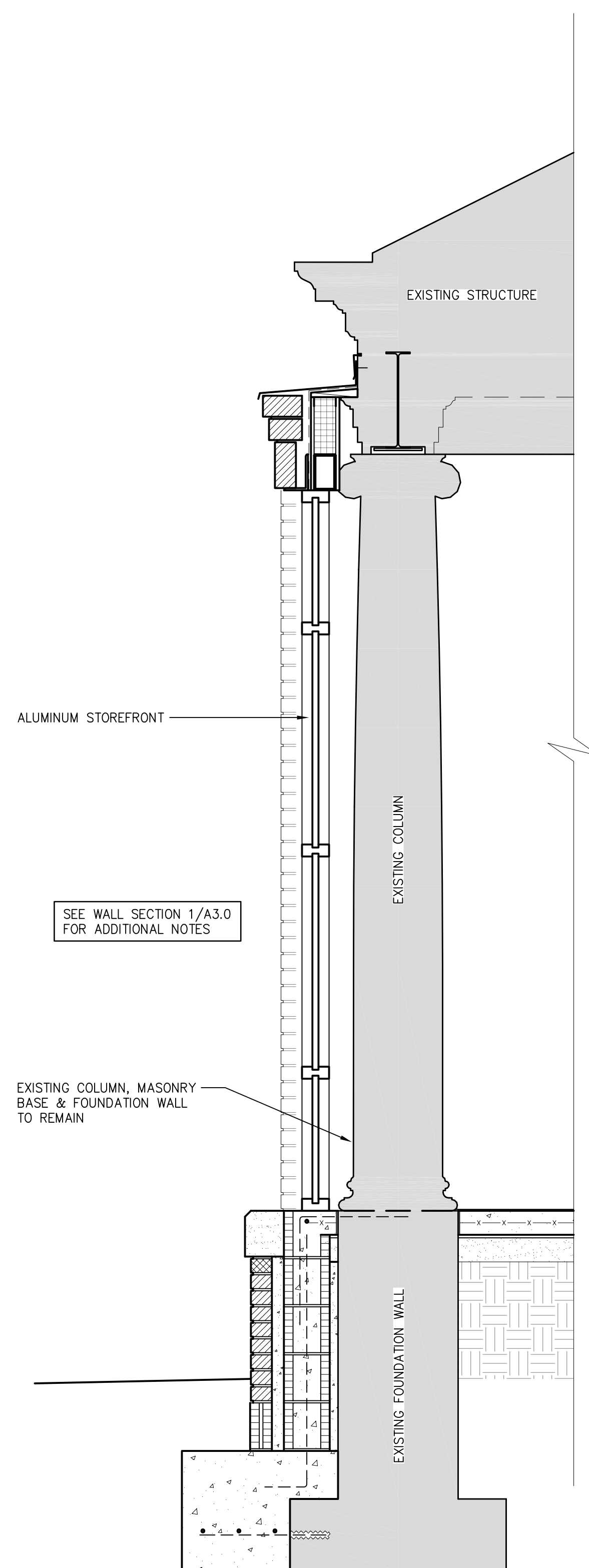
A2.0



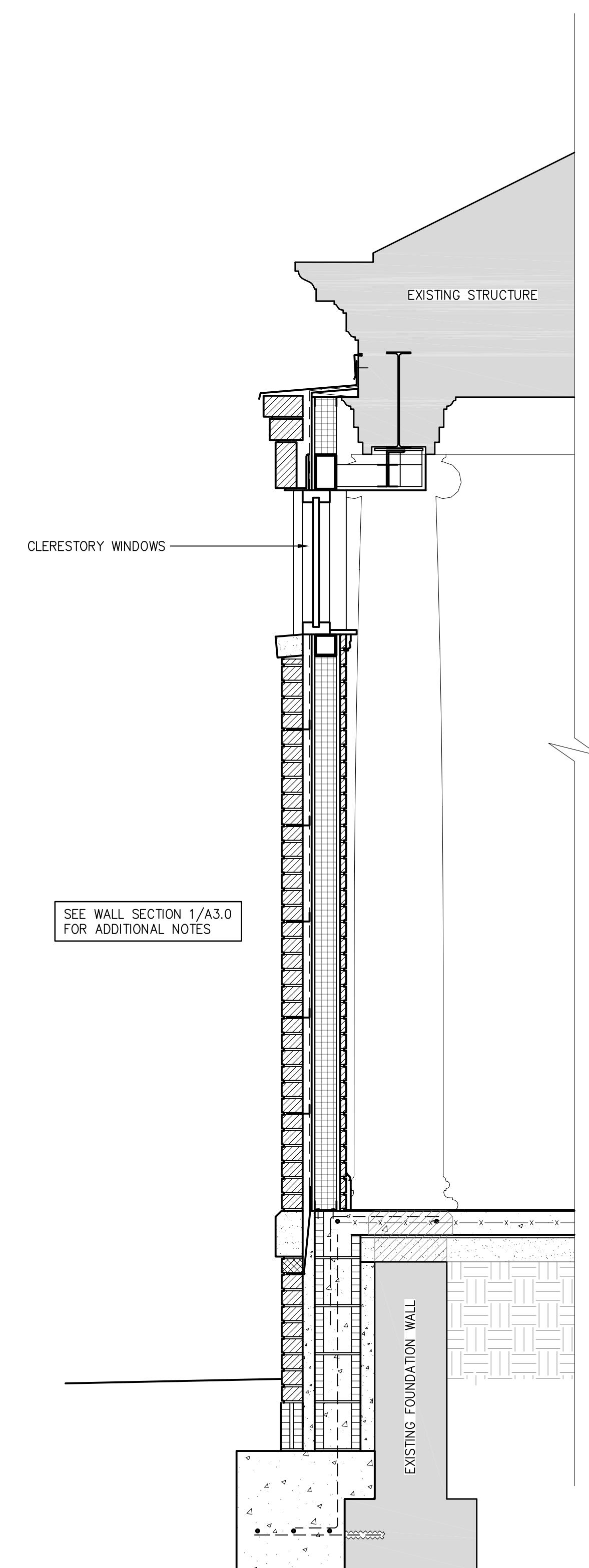
**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458



① WALL SECTION
3/4" = 1'-0"



② WALL SECTION
3/4" = 1'-0"



③ WALL SECTION
3/4" = 1'-0"

FOR CONSTRUCTION

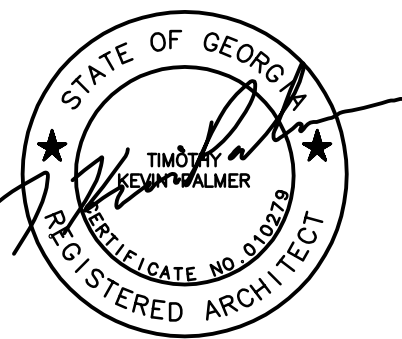
PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

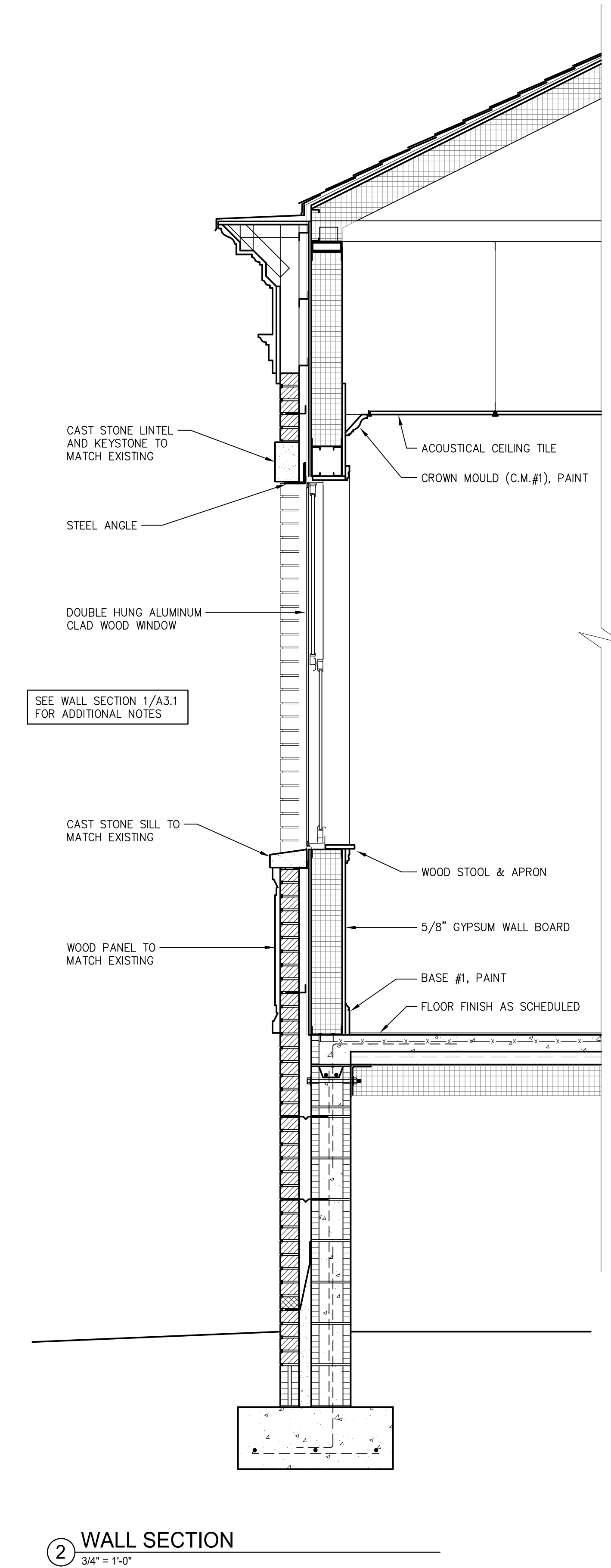
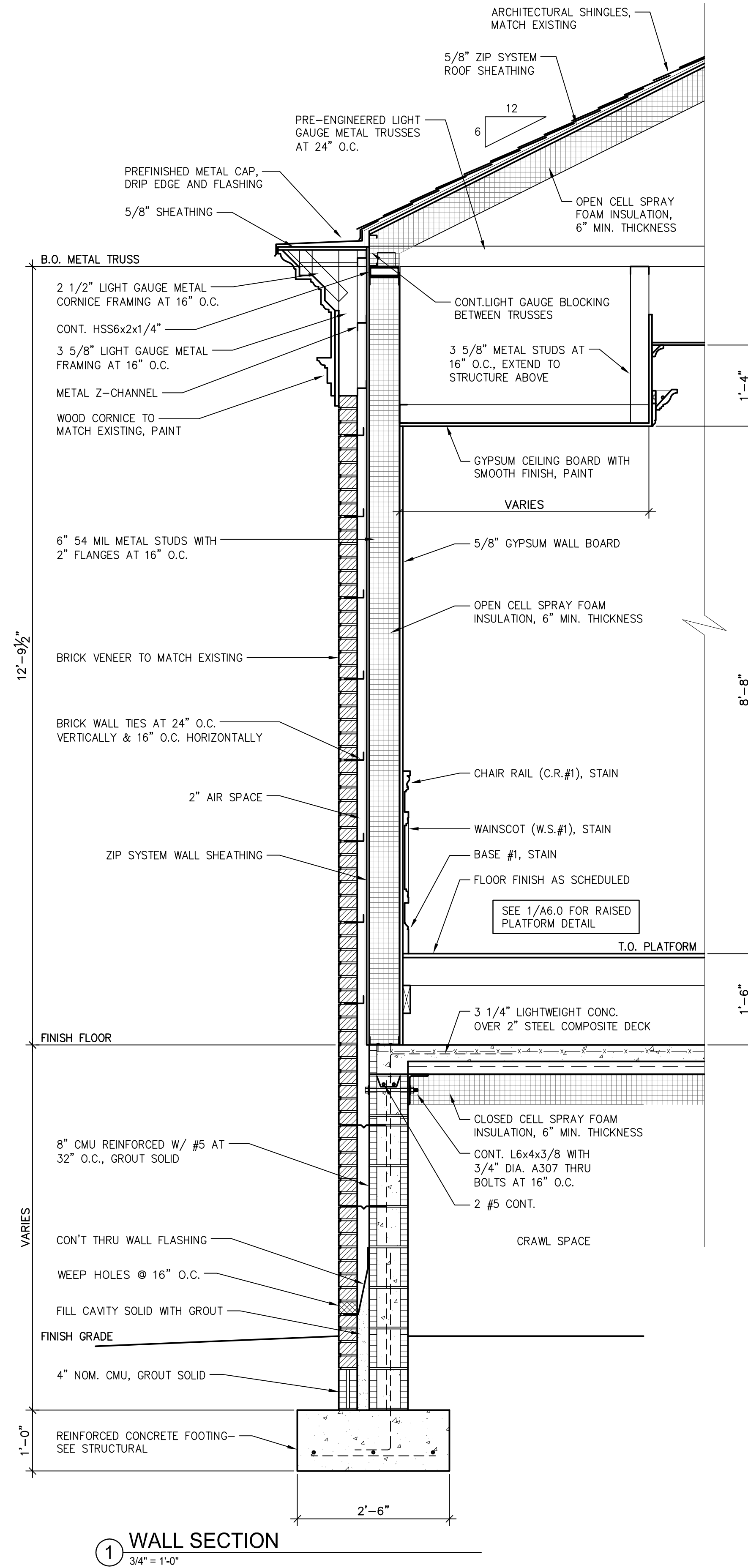
#	DATE

WALL SECTIONS

A3.0



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458



FOR CONSTRUCTION

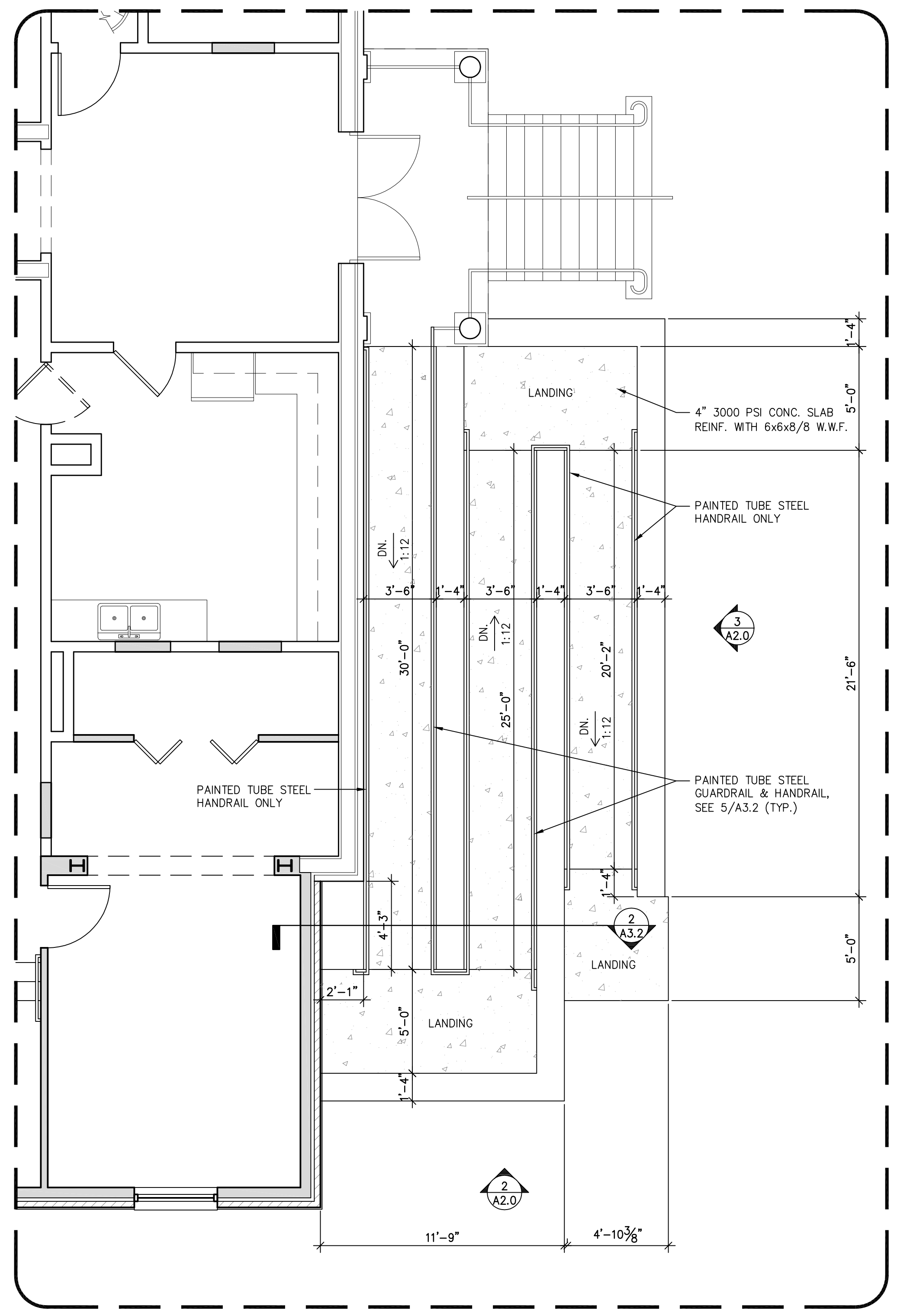
PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

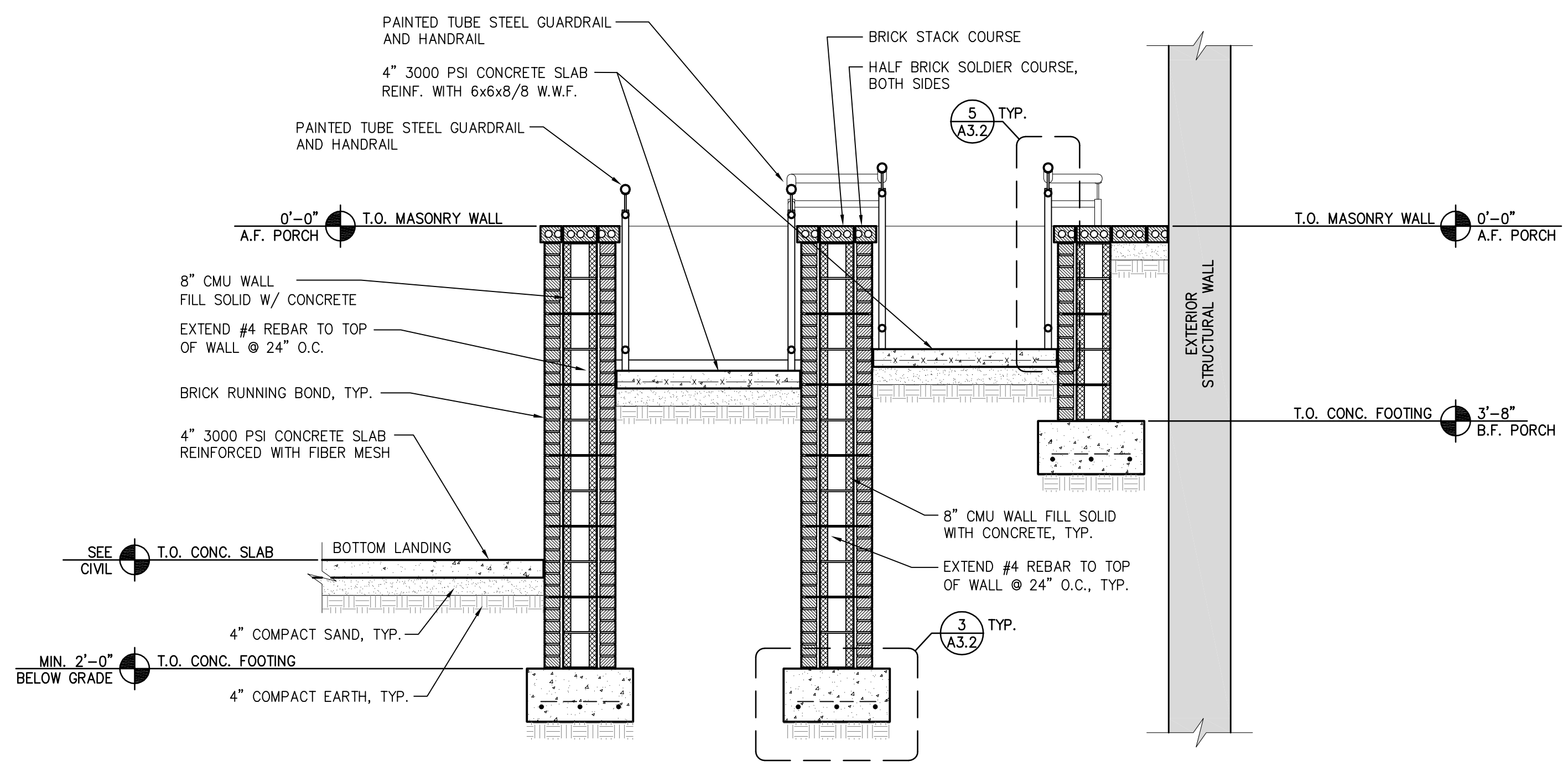
#	DATE

WALL SECTIONS

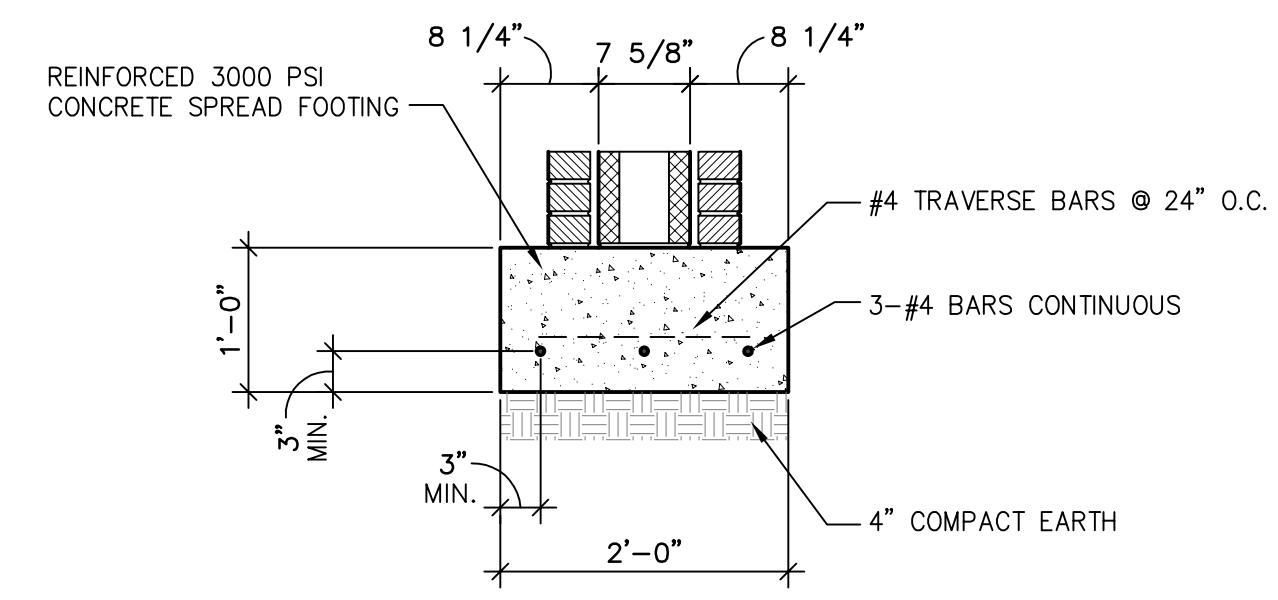
A3.1



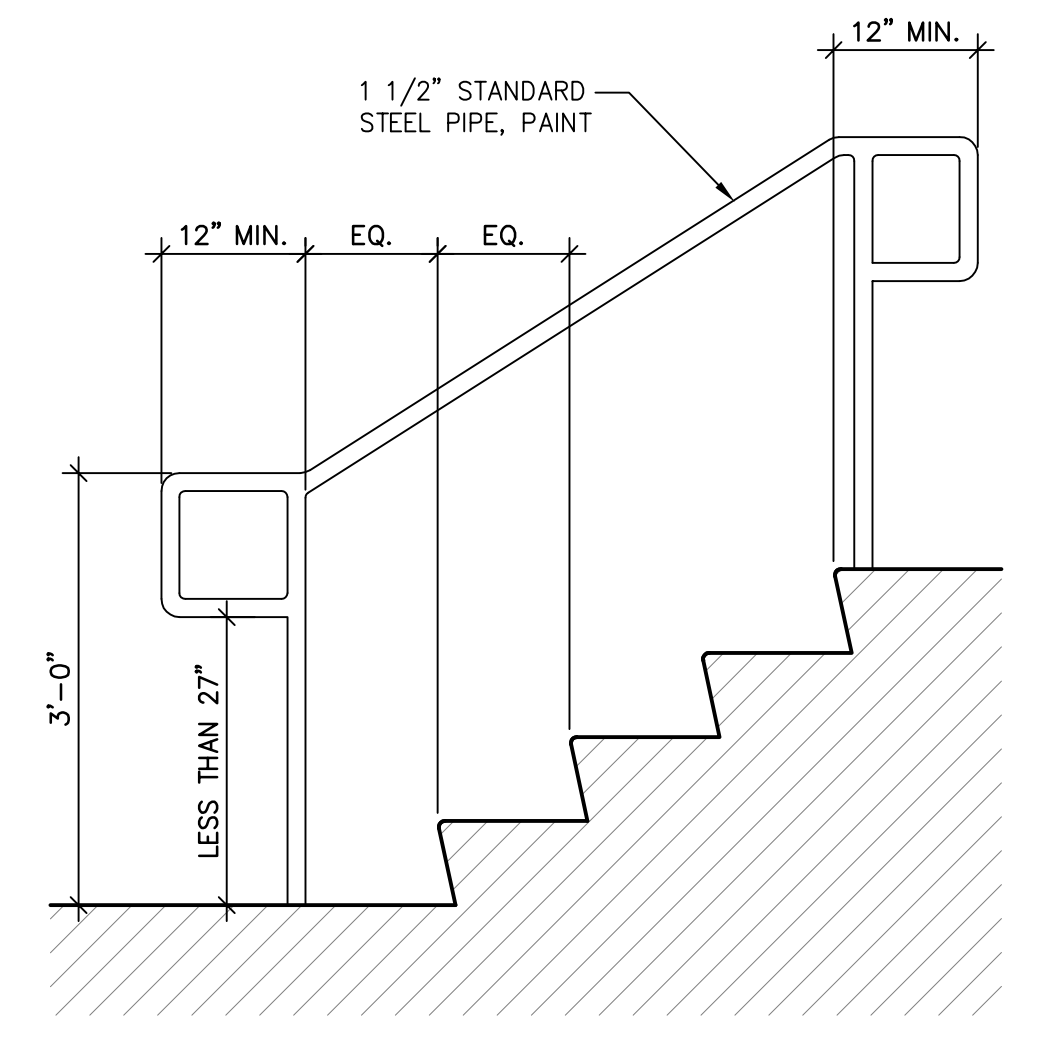
1 ENLARGED RAMP PLAN
1/4" = 1'-0"



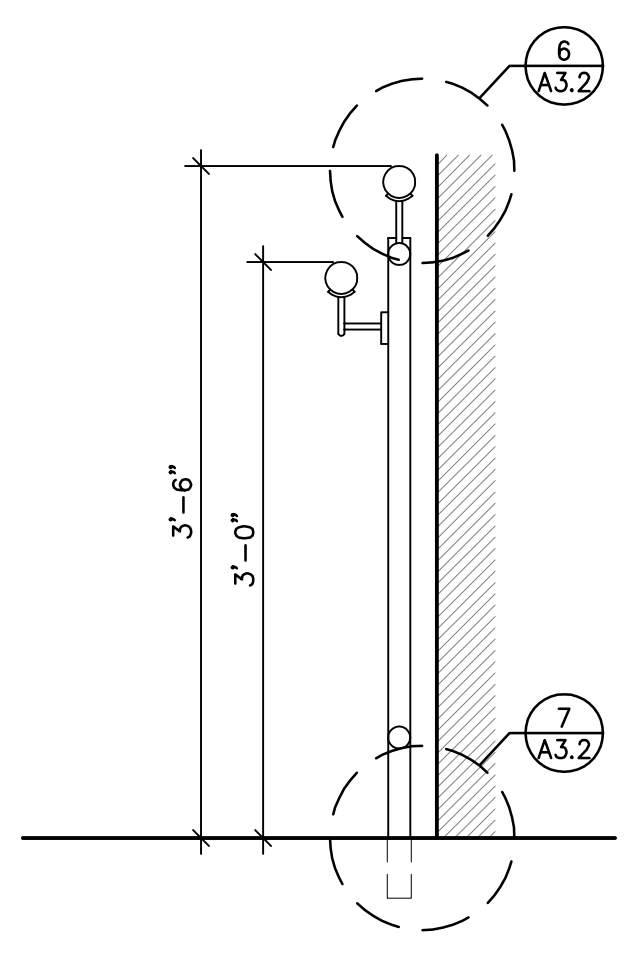
2 SECTION AT RAMP
1/2" = 1'-0"



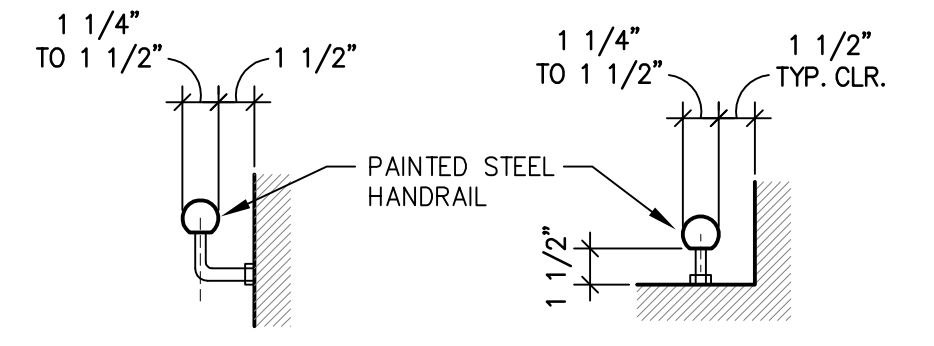
3 TYP. FOOTING AT RAMP
3/4" = 1'-0"



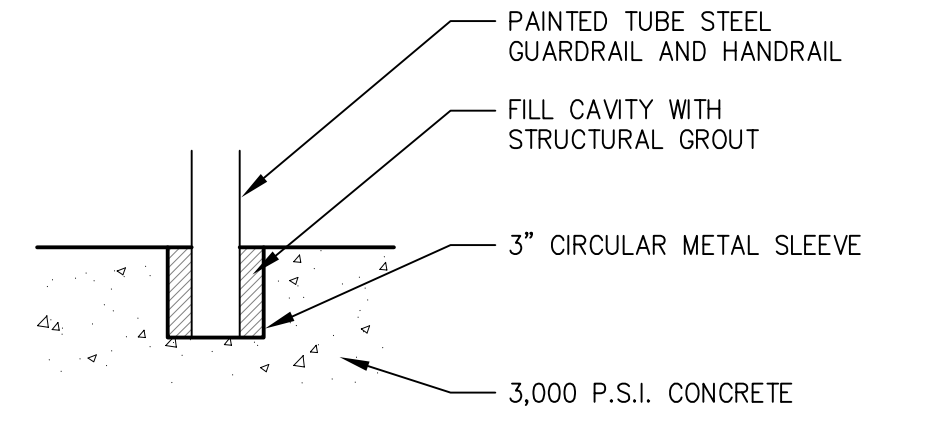
4 TYP. HANDRAIL DETAIL
3/4" = 1'-0"



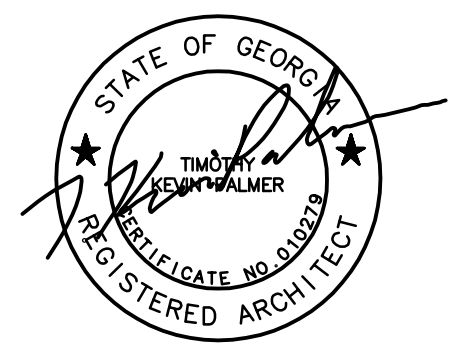
5 GUARDRAIL/HANDRAIL DETAIL
1" = 1'-0"



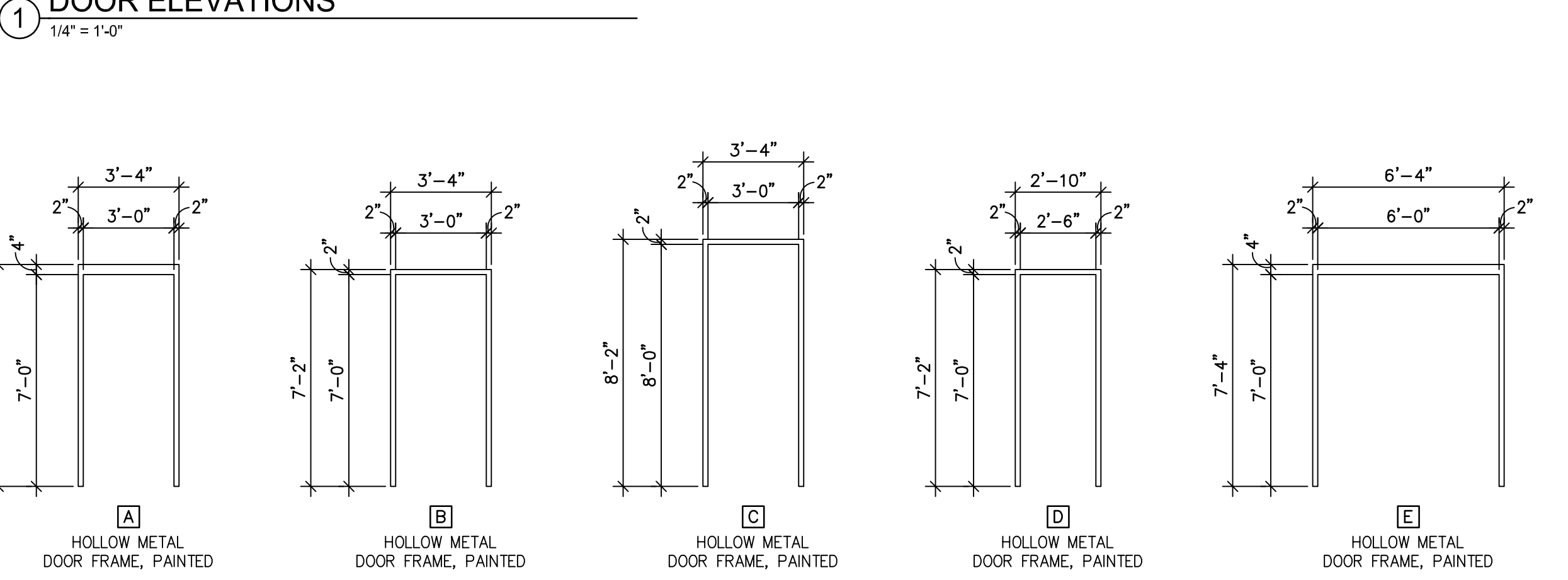
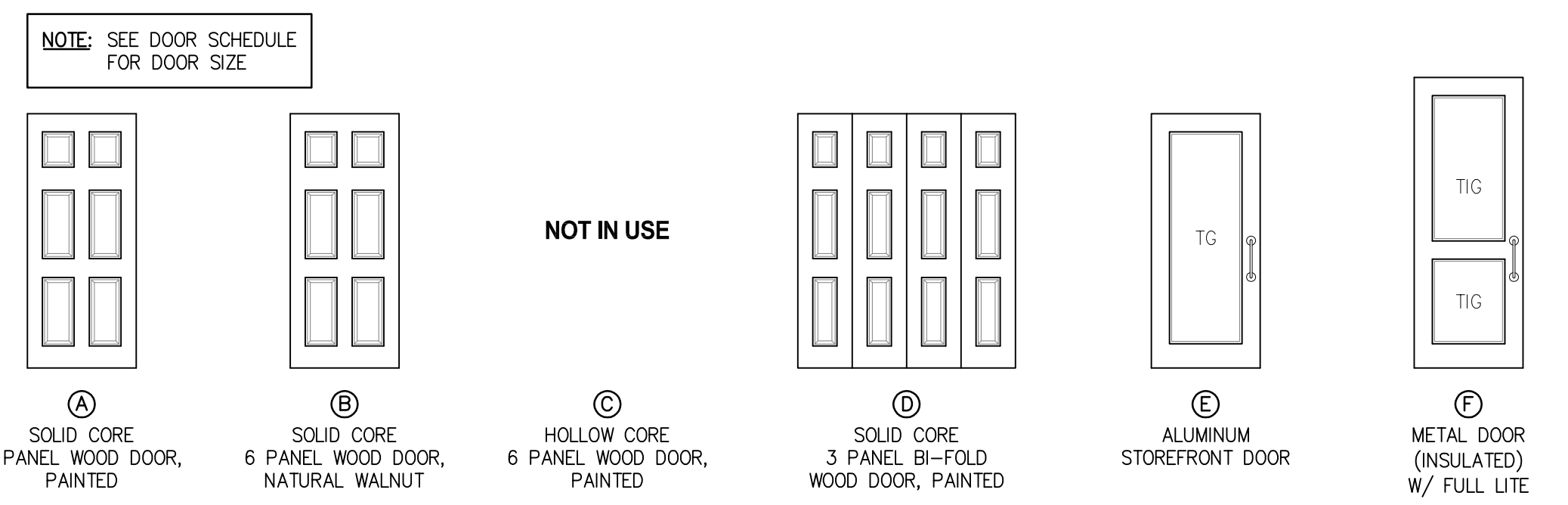
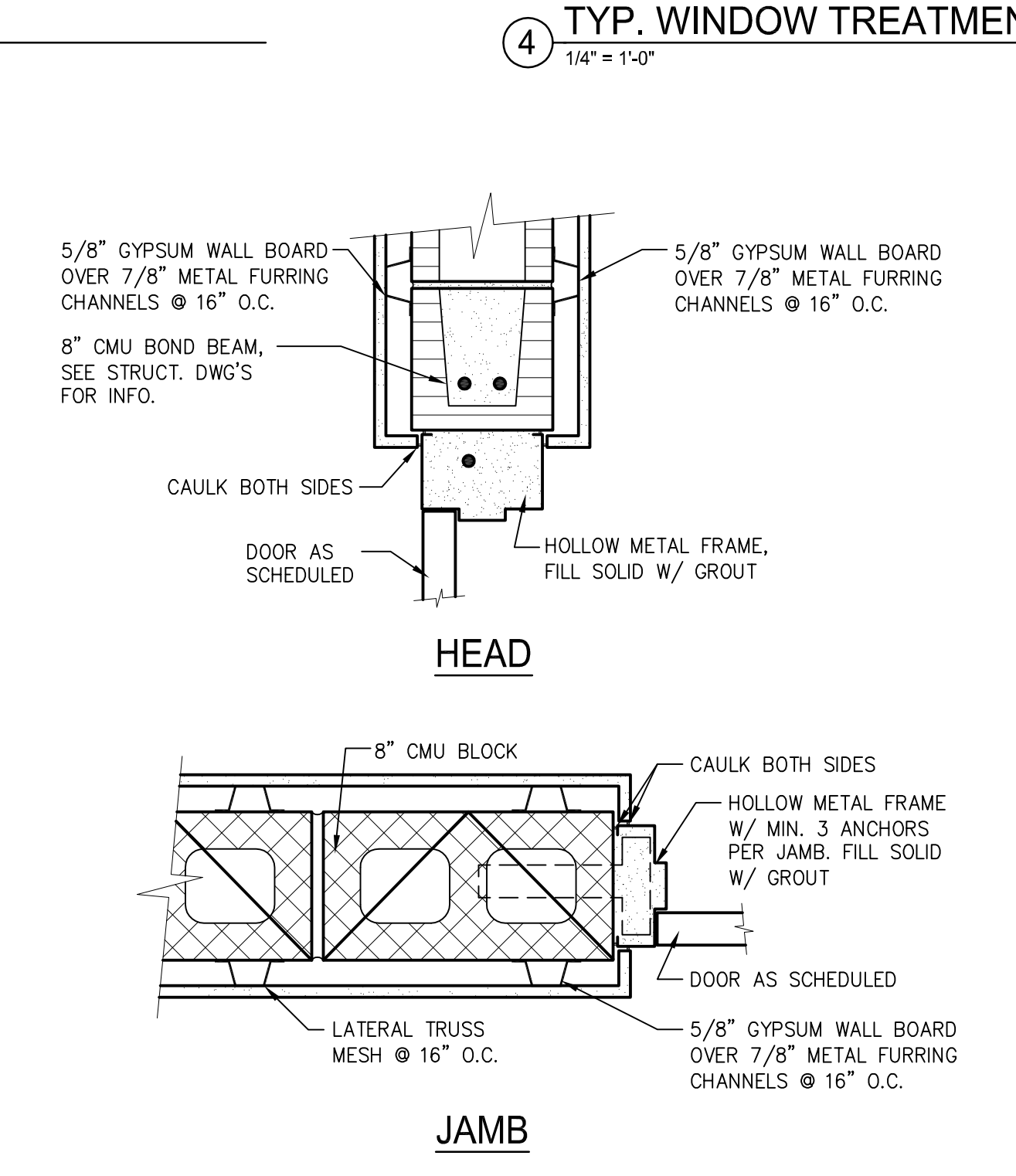
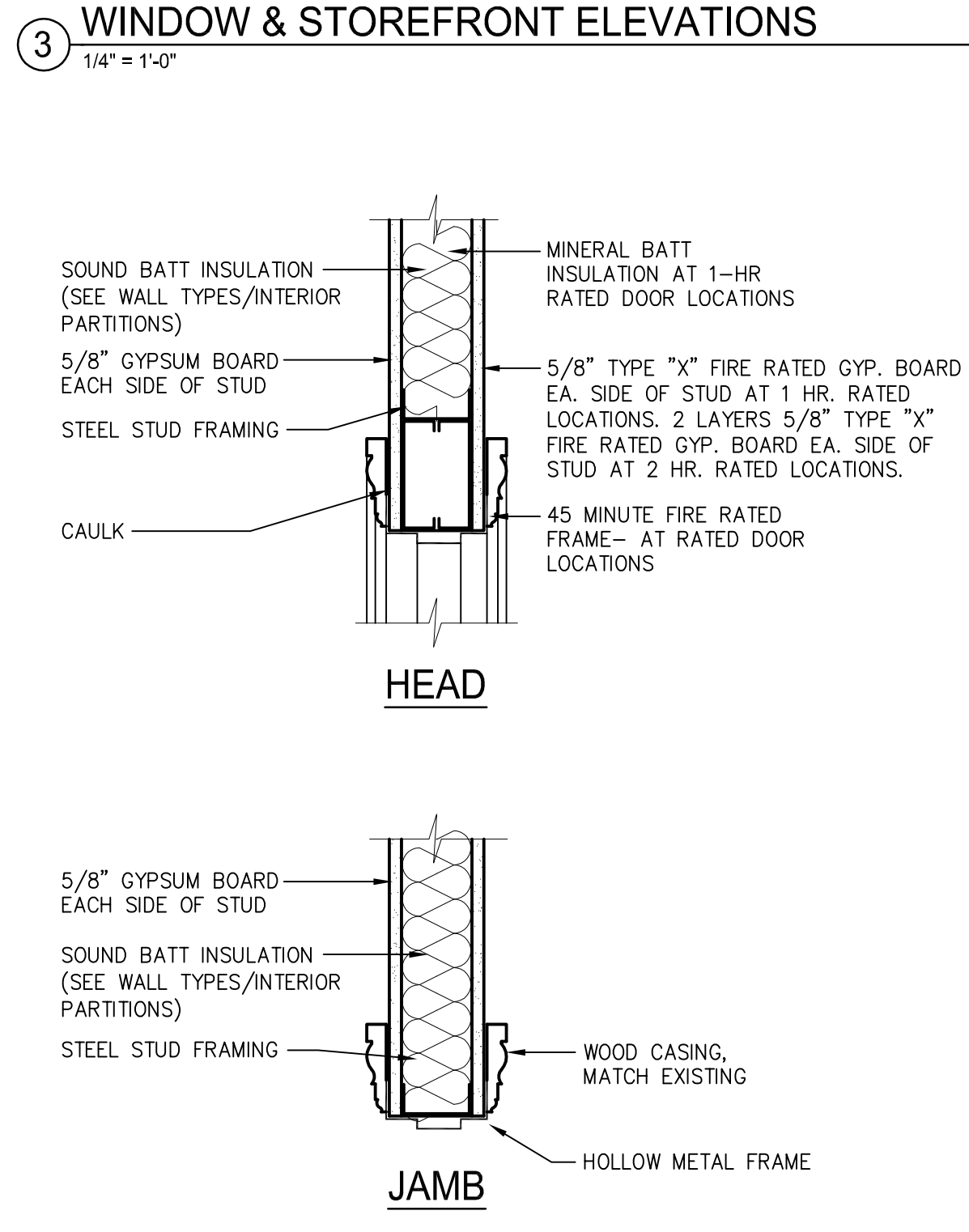
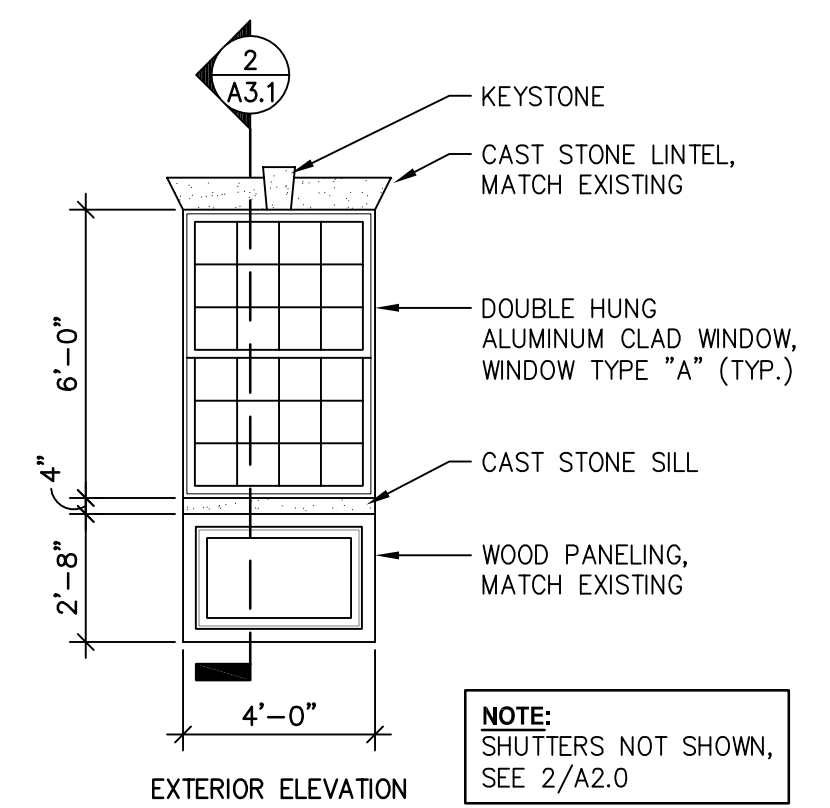
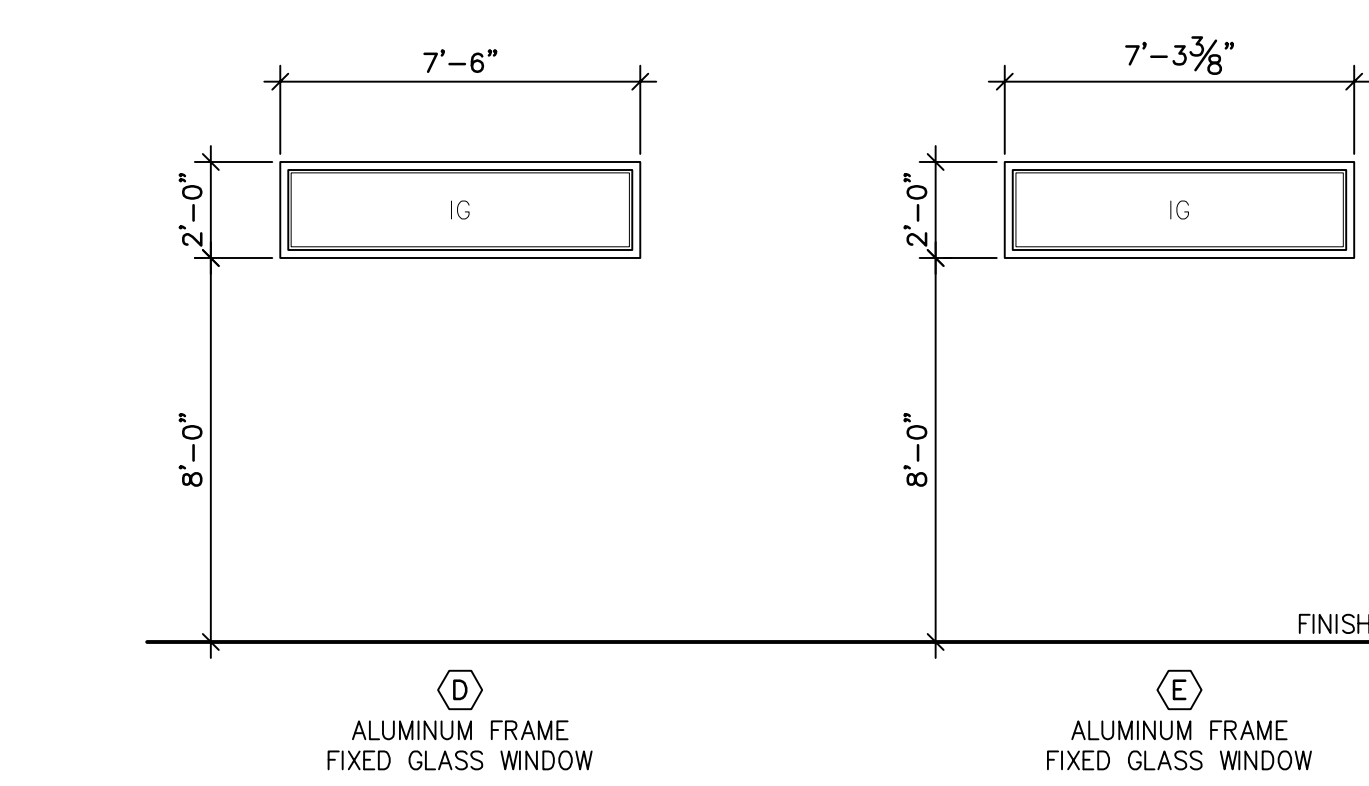
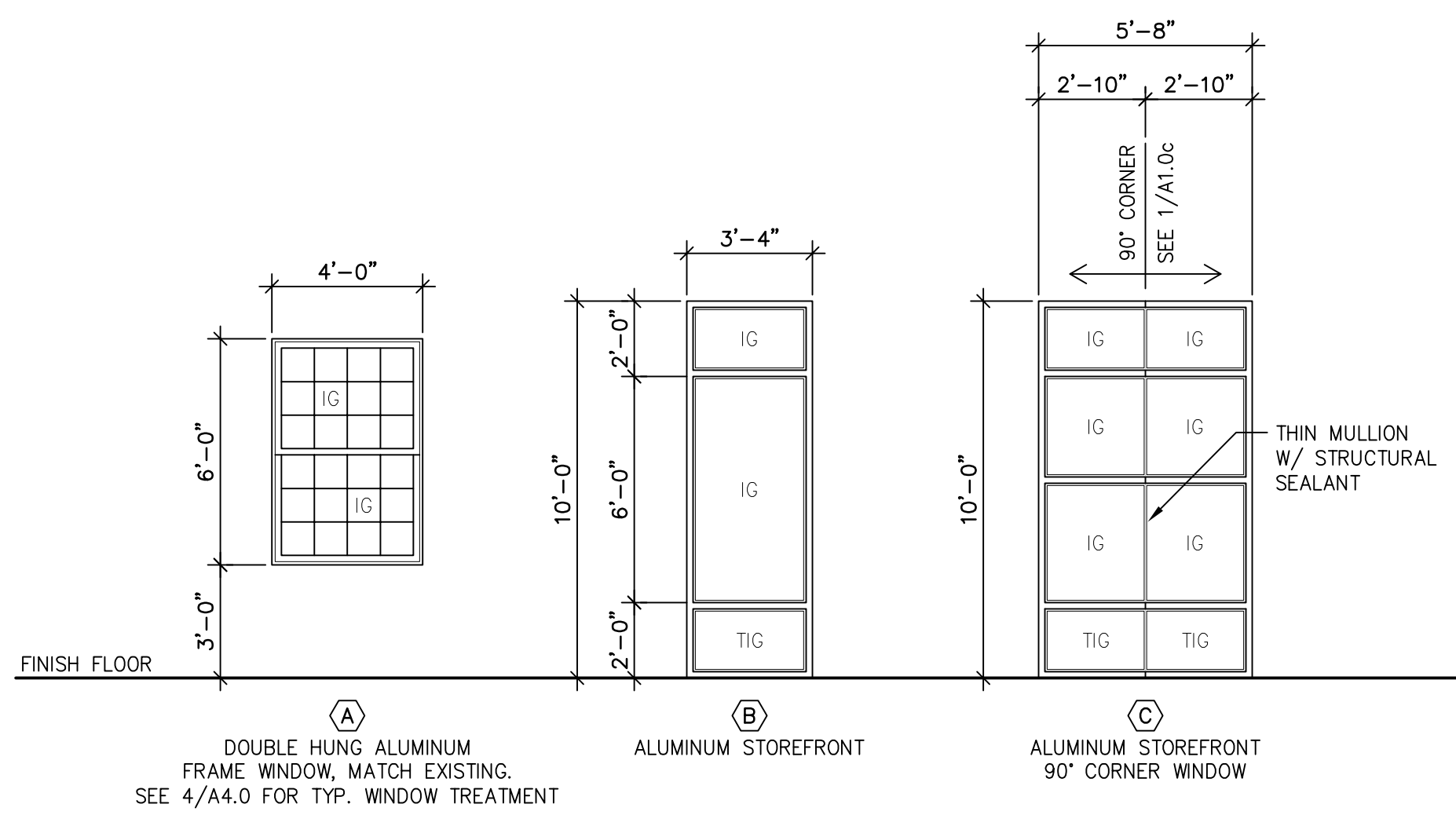
6 TYP. HANDRAIL
1 1/2" = 1'-0"



7 TYP. HANDRAIL
1 1/2" = 1'-0"



FOR CONSTRUCTION	
PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	AMG
APPROVED BY:	TKP
SCHEDULE OF REVISIONS	
#	DATE



DOOR SCHEDULE									
DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR ELEV.	FRAME TYPE	FRAME ELEV.	RATED	THRESHOLD	HARDWARE	COMMENTS
101	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2B/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
102	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2B/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
103	2'-6" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2D/A4.0	-	-	STORAGE LOCKSET, CLOSER & SILENCERS	
104	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2A/A4.0	90 MIN.	METAL T.S.	STORAGE LOCKSET, CLOSER & SILENCERS	
105	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2B/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
106	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2B/A4.0	-	METAL T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
107	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2B/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
108	3'-0" x 7'-0" x 1-3/4"	SCW	1B/A4.0	HM	2B/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
109	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	RUBBER T.S.	PASSAGE SET, SOUND SEAL, & SILENCERS	
110	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	METAL T.S.	PASSAGE SET, CLOSER, SOUND SEAL, SILENCERS & KICKPLATES	
111	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	METAL T.S.	PASSAGE SET, CLOSER, SOUND SEAL, SILENCERS & KICKPLATES	
112	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
113	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	PASSAGE SET & SILENCERS	
114	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	RUBBER T.S.	PASSAGE SET, SOUND SEAL, & SILENCERS	
115	3'-0" x 8'-0" x 1-3/4"	ASF	1F/A4.0	HM	2C/A4.0	-	EXT. H.C.	STOREFRONT LOCKSET, PUSH-PULL H.W., CLOSER, WEATHER SEAL, SWEEP & SILENCERS	RELOCATED EXISTING DOOR
116	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	RUBBER T.S.	STORAGE LOCKSET & SILENCERS	
117	DBL 3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2E/A4.0	-	RUBBER T.S.	PASSAGE SET, CLOSER, SOUND SEAL, & SILENCERS	
118	DBL 3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2E/A4.0	-	RUBBER T.S.	PASSAGE SET, CLOSER, SOUND SEAL, & SILENCERS	
119	BI-FOLD 1'-6" x 7'-0" x 1-3/4"	SCW	1D/A4.0	HM	-	-	-	BI-FOLD HARDWARE SET	PAIR OF BI-FOLD DOORS (QTY. 4 DOOR PANELS)
120	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	STORAGE LOCKSET, CLOSER & SILENCERS	
121	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	OFFICE LOCKSET, SOUND SEAL & SILENCERS	
122	BI-FOLD 1'-6" x 7'-0" x 1-3/4"	SCW	1D/A4.0	HM	-	-	-	BI-FOLD HARDWARE SET	PAIR OF BI-FOLD DOORS (QTY. 4 DOOR PANELS)
123	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	METAL T.S.	PASSAGE SET HARDWARE	DOOR SHALL SWING BOTH WAYS
124	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	METAL T.S.	PASSAGE SET & SILENCERS	
125	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	RUBBER T.S.	STORAGE LOCKSET & SILENCERS	
126	5'-0" x 7'-0" CASED OPENING	-	-	-	-	-	-	-	CASED OPENING
127	5'-0" x 7'-0" CASED OPENING	-	-	-	-	-	-	-	CASED OPENING
128	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	STORAGE LOCKSET, CLOSER & SILENCERS	
129	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
130	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2A/A4.0	-	RUBBER T.S.	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
131	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
132	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	-	OFFICE LOCKSET, SOUND SEAL, SILENCERS & COAT HOOK	
133	3'-0" x 7'-0" x 1-3/4"	SCW	1A/A4.0	HM	2B/A4.0	-	RUBBER T.S.	MAGNETIC STRIKE W/ KEYPAD & REMOTE DOOR ENTRY, CLOSER & SILENCERS	PROVIDE ENTRY CONTROLS AT EA. TRANSACTION STATION
134	EXISTING DOOR TO REMAIN	ETR	-	-	-	-	EXT. H.C.	-	EXISTING DOOR TO REMAIN, NEW H.C. THRESHOLD ONLY

ABBREVIATIONS:

- ASF - ALUMINUM STOREFRONT
- ETR - EXISTING TO REMAIN
- EXT. H.C. - EXTERIOR HANDICAP THRESHOLD
- FM - FLUSH METAL (INSULATED)
- HCW - HOLLOW CORE WOOD, 6 PANEL DOOR (TO MATCH EXISTING)
- HM - HOLLOW METAL
- M/NL - METAL W/ NARROW LITE (INSULATED)
- M/FL - METAL W/ FULL LITE (INSULATED)
- SCW - SOLID CORE WOOD
- SCW/FL - SOLID CORE WOOD W/ FULL LITE
- SCW/HL - SOLID CORE WOOD W/ HALF LITE
- SCW/NL - SOLID CORE WOOD W/ NARROW LITE
- TS - TRANSITION STRIP, METAL OR RUBBER
- METAL T.S. = THIN LOW PROFILE METAL TRANSITION STRIP, SCHLUTER OR COMPARABLE
- RUBBER T.S. = THIN LOW PROFILE RUBBER TRANSITION STRIP, MANNINGTON FUSION OR COMPARABLE
- WD - WOOD

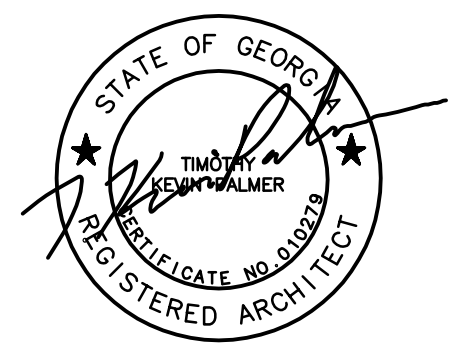
NOTES:

- CONTRACTOR SHALL VERIFY THE SIZE OF ANY EXISTING OPENING RECEIVING A NEW DOOR, DOOR FRAME, HARDWARE ETC.
- PROVIDE CLOSER ON ALL RATED DOORS.
- PROVIDE U.L. RATED SEAL, GASKETS, ASTRAGALS AND THRESHOLDS ON ALL DOORS IN FIRE RATED WALLS
- PROVIDE WEATHER STRIPPING AND CLOSERS AT ALL EXTERIOR DOORS.
- ALL THRESHOLDS OF REQUIRED EXIT EGRESS DOORS SHALL MEET ADA REQUIREMENTS.
- ALL HARDWARE ON RATED DOORS SHALL BE FIRE RATED.
- ALL DOOR WIDTHS SHOWN IN THE SCHEDULE ARE ROUGH OPENING AND EQUAL:
 - = DOOR WIDTH + 3.5" IN WOOD STUD
 - = DOOR WIDTH + 4" IN MASONRY
- ALL RATED DOORS SHALL HAVE MATCHING FIRE RESISTANCE RATING ON FRAMES AND HARDWARE.
- ALL RATED FRAMES SHALL COMPLY WITH NFPA 80.
- CLEARANCE BETWEEN RATED DOORS AND RATED FRAMES SHALL NOT EXTEND 1/16".
- CLEARANCE BETWEEN THE BOTTOM OF RATED DOORS AND TOP OF THE FLOOR COVERING SHALL NOT EXTEND 1/2" (NFPA- 2-5.5 (C)).
- THE CLEARANCE BETWEEN THE BOTTOM OF RATED DOORS AND THE FLOOR SLAB SHALL NOT EXTEND 3/4" (NFPA 2-5.5 (B) & (C) ALSO MEET NFPA 80.
- NO LOCKS ON SWINGING DOORS.
- NEW DOOR HARDWARE SHALL BE MEDIUM DUTY COMMERCIAL GRADE; WITH ALL DOORS RECEIVING HINGES, PLATES, STOPS AND CORES.
- ALL DOORS SHALL BE BIRCH WOOD UNLESS NOTED OTHERWISE.

GLAZING SCHEDULE		
SYM.	THICKNESS	DESCRIPTION
TG	5/8"	CLEAR TEMPERED GLASS
TIG	1"	CLEAR TEMPERED INSULATING GLASS
IG	1"	CLEAR INSULATING GLASS
CG	5/8"	CLEAR GLASS

1. "TG" GLAZING SHALL BE USED IN ALL OPENINGS THAT ARE LOCATED WITHIN 24" OF A DOOR OR FLOOR.

2. ALL EXTERIOR GLASS SHALL BE LOW E WITH 60% TINT.



FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

#	DATE

DOOR & GLAZING SCHEDULES, DOOR & WINDOW ELEV. & DETAILS

ROOM FINISH SCHEDULE

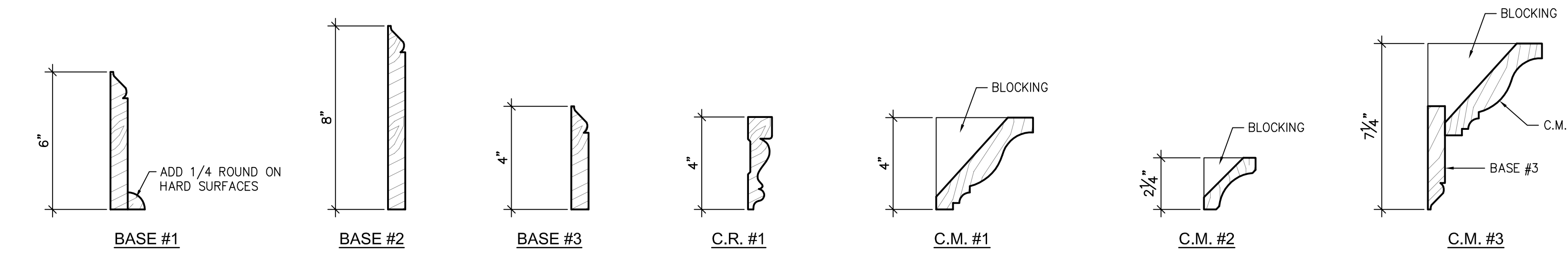
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				WAINSCOT	CHAIR RAIL	CROWN MLDG.	CEILING	CEILING HEIGHT	COMMENTS
				NORTH	EAST	SOUTH	WEST						
100	CORRIDOR	LVT	M.E.-S.	ETR-P.	ETR-P.	GWB-P.	GWB-P.	--	ETR-S.	M.E.-P.	A.C.T. 1	11'-2"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
101	OFFICE 1	CARPET TILE	M.E.-S.	ETR-P.	ETR-P.	GWB-P.	ETR-P.	--	ETR-S.	M.E.-P.	A.C.T. 1	11'-2"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
102	OFFICE 2	CARPET TILE	M.E.-S.	GWB-P.	ETR-P.	ETR-P.	ETR-P.	--	--	C.M.#1-P.	A.C.T. 1	9'-0"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
103	RECEPTION	LVT	ETR-S.	ETR-P.	ETR-P.	GWB-P.	ETR-P.	--	ETR-S.	ETR-P.	A.C.T. 1	11'-2"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
104	LOBBY	LVT/ P.T SEE 1/A1.0a	M.E.-S.	ETR-P.	--	GWB-P.	ETR-P.	--	--	ETR-P.	ETR-P.	11'-10"/12'-6"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING. NEW QUARTER ROUND, STAIN.
105	OFFICE 3	CARPET TILE	M.E.-S.	GWB-P.	GWB-P.	ETR-P.	ETR-P.	--	--	C.M.#1-P.	A.C.T. 1	9'-0"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
106	OFFICE 4	CARPET TILE	M.E.-S.	GWB-P.	ETR-P.	ETR-P.	ETR-P.	--	--	C.M.#1-P.	A.C.T. 1	9'-0"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
107	CORRIDOR	LVT	M.E.-S.	--	GWB-P.	ETR-P.	GWB-P.	--	--	M.E.-P.	ETR-P.	11'-10"	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING. NEW QUARTER ROUND, STAIN.
108	EXISTING OFFICE	CARPET TILE	ETR-S.	ETR-P.	GWB-P.	ETR-P.	ETR-P.	--	--	ETR-P.	A.C.T. 1	M.E.	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
109	EXISTING OFFICE	CARPET TILE	ETR-S.	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	--	ETR-P.	A.C.T. 1	M.E.	SAND & STAIN EX. TRIM & MOLDING; ANY NEW TRIM & MOLDING SHALL MATCH EXISTING.
110	CORRIDOR	LVT	BASE #1-P.	GWB-P.	ETR-P.	ETR-P.	GWB-P.	--	C.R.#1-P.	C.M.#1-P.	A.C.T. 1	9'-10"	
111	OFFICE 5	CARPET TILE	BASE #1-P.	ETR-P.	GWB-P.	GWB-P.	ETR-P.	--	--	C.M.#1-P.	A.C.T. 1	9'-10"	
112	CLOSET	CARPET TILE	BASE #1-P.	GWB-P.	GWB-P.	ETR-P.	ETR-P.	--	--	A.C.T. 1	A.C.T. 1	8'-0"	
113	VESTIBULE	LVT	BASE #1-P.	GWB-P.	GWB-P.	--	GWB-P.	--	--	C.M.#1-P.	A.C.T. 1	9'-10"	
114	CONFERENCE ROOM	CARPET TILE	BASE #1-P.	GWB-P.	THIN BRICK	THIN BRICK	THIN BRICK	--	--	ETR-S.C.	11'-2"		WALL FINISH SHALL BE THIN BRICK WITH THINSET GROUT OVER 1/2" CEMENT BACKER BOARD
115	KITCHEN	LVT	BASE #1-P.	GWB-P.	GWB-P.	GWB-P.	GWB-P.	--	--	GCB-P.	9'-0"		
116	EXISTING CORRIDOR	LVT	BASE #1-P.	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	C.R.#1-P.	C.M.#1-P.	A.C.T. 1	9'-10"	
117	EXISTING OFFICE	CARPET TILE	ETR-P.	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	--	A.C.T. 1	9'-6"		
118	STORAGE	CARPET TILE	RUBBER	GWB-P.	GWB-P.	GWB-P.	GWB-P.	--	--	A.C.T. 1	8'-0"		
119	EXISTING STORAGE	CARPET TILE	RUBBER	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	--	ETR	--		
120	TRANSACTION STATIONS	LVT	BASE #1-P.	GWB-P.	GWB-P.	GWB-P.	GWB-P.	--	--	C.M.#1-P.	A.C.T. 1/GCB-P	9'-10"/8'-0"	CROWN MOULDING AT HIGH CEILING CONDITION ONLY. SEE 1/A2.0 FOR VARYING CEILING HEIGHTS & FINISHES.
121	PERMIT OFFICE	CARPET TILE	BASE #1-P.	GWB-P.	GWB-P.	GWB-P.	GWB-P.	--	--	C.M.#1-P.	A.C.T. 1/GCB-P	9'-10"/8'-0"	CROWN MOULDING AT HIGH CEILING CONDITION ONLY. SEE 1/A2.0 FOR VARYING CEILING HEIGHTS & FINISHES.
122	EXISTING OFFICE	CARPET TILE	ETR-P.	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	--	A.C.T. 1	9'-6"		
123	EXISTING OFFICE	CARPET TILE	ETR-P.	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	--	A.C.T. 1	9'-6"		
124	STORAGE	CARPET TILE	BASE #1-S.	ETR-P.	GWB-P.	GWB-P.	GWB-P.	--	--	GCB-P.	8'-0"		
125	COMMISSIONER'S ROOM	CARPET TILE	BASE #1-S.	ETR-P.	GWB-P.	GWB-P.	GWB-P.	--	--	C.M.#1-P.	A.C.T. 1	10'-0"	
126	OFFICE 6	CARPET TILE	BASE #1-P.	GWB-P.	GWB-P.	GWB-P.	GWB-P.	--	--	C.M.#1-P.	A.C.T. 1	10'-0"	
127	EXISTING LOBBY	LVT	BASE #1-P.	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	C.R.#1-P.	C.M.#1-P.	A.C.T. 2	12'-0"	COORDINATE WITH ARCHITECT FOR POSSIBLE FLOORING UNDERLAYMENT AND TRANSITION
128	STORAGE	LVT	RUBBER	ETR-P.	GWB-P.	GWB-P.	GWB-P.	--	--	A.C.T. 1	9'-0"		
129	AIRLOCK/Vault	LVT	M.E.-S.	ETR-P.	GWB-P.	ETR-P.	ETR-P.	--	--	A.C.T. 1	M.E.		
130	EX. Vault	ETR	ETR	ETR	ETR	ETR	GWB-P.	--	--	ETR	--		
131	EX. CORRIDOR	LVT	ETR	ETR-P.	ETR-P.	ETR-P.	ETR-P.	--	ETR-P.	ETR	--		EXISTING WOOD BASE SHALL RECEIVE NEW QUARTER ROUND TOE MOLD
132	STORAGE	CARPET TILE	BASE #1-P.	GWB-P.	ETR-P.	GWB-P.	ETR-P.	--	--	A.C.T. 1	9'-0"		

FINISH ABBREVIATIONS

A.C.T. - ACOUSTICAL CEILING TILE	CPT. TILE - CARPET TILE	E.T.R. - EXISTING TO REMAIN	G.C.B. - GYPSUM CEILING BOARD	M.E. - MATCH EXISTING	S. - STAIN
C.M. - CROWN MOULDING	C.R. - CHAIR RAIL	EX. - EXISTING	H.W. - HARDWOOD	P. - PAINT	S.C. - SKIM COAT
CPT. - CARPET (ROLLED GOOD)	C.T. - CERAMIC TILE	G.W.B. - GYPSUM WALL BOARD	L.V.T. - LUXURY VINYL TILE (OR PLANK)	P.T. - PORCELAIN TILE	W.S. - WAINSCOT

FINISH SCHEDULE NOTES

1. ALL NEW LVT FLOORS & REFINISHED HARDWOOD FLOORS SHALL RECEIVE NEW QUARTER ROUND TOE MOULDING.



1 MILLWORK PROFILES
3" = 1'-0"

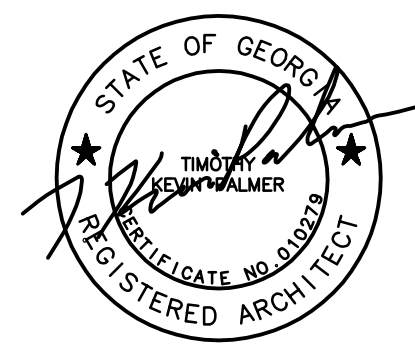


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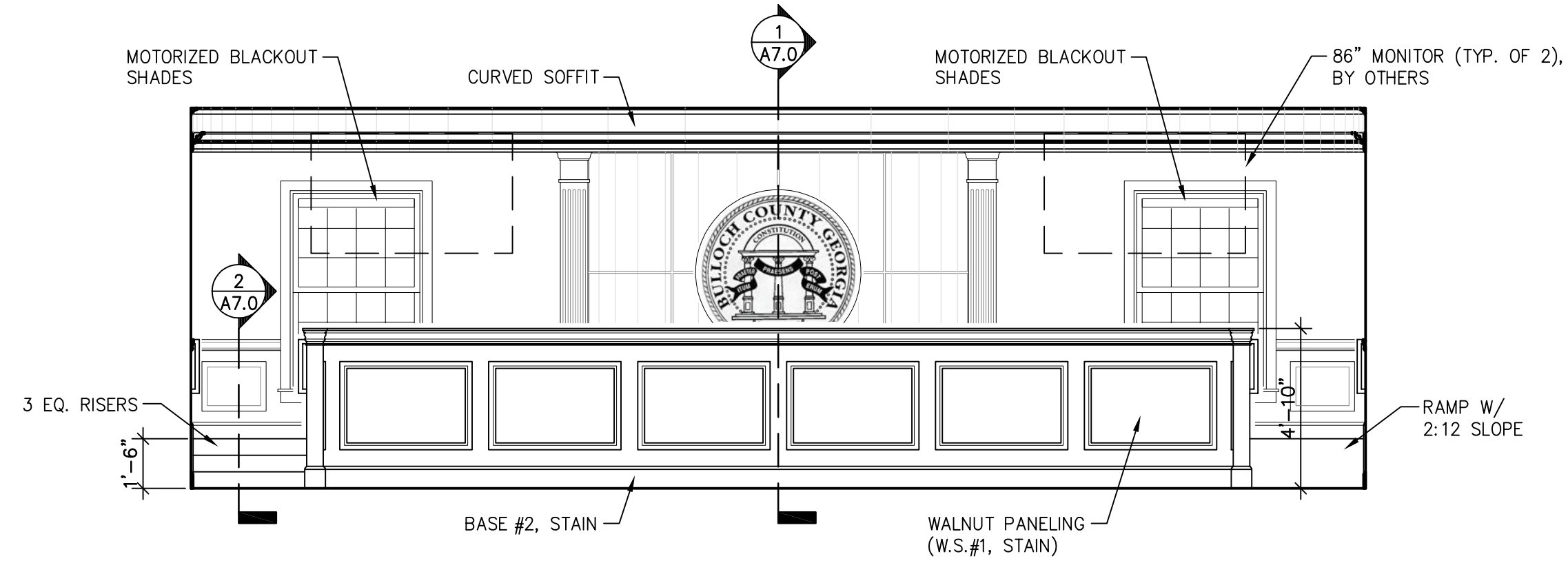
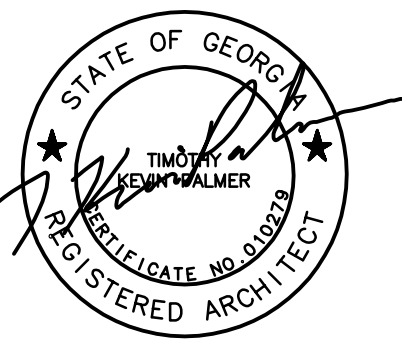


**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

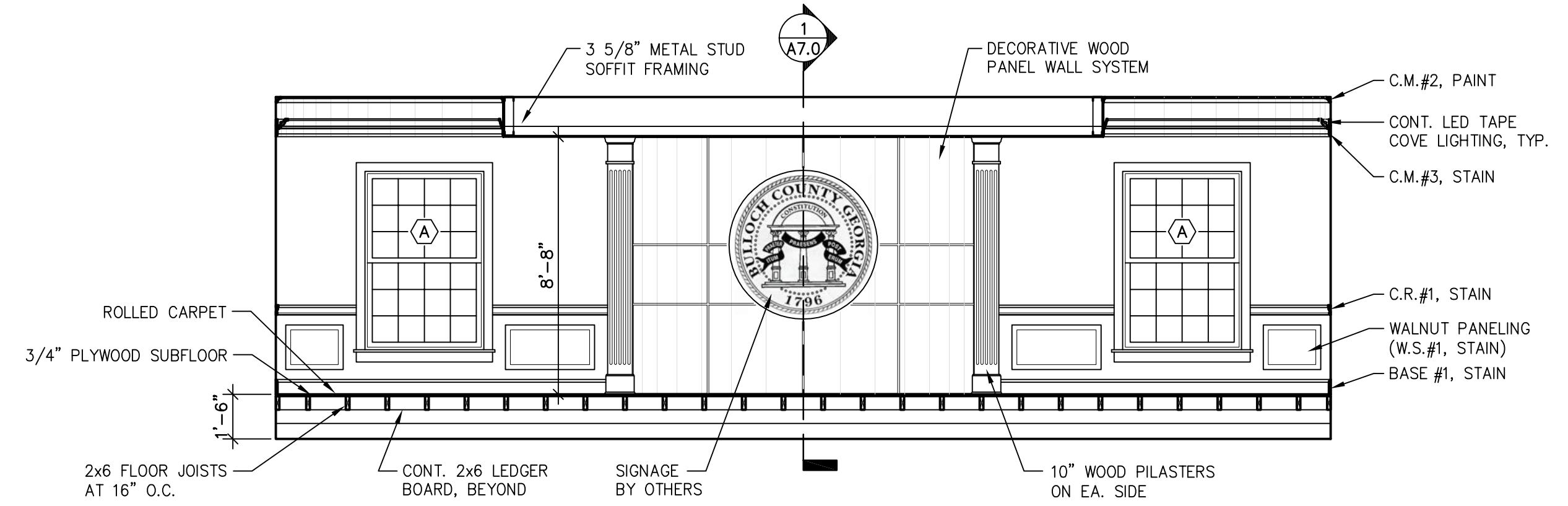
FOR CONSTRUCTION	
PROJECT NUMBER: 2163	PROJECT DATE: 4/27/22
DRAWN BY: AMG	APPROVED BY: TKP
SCHEDULE OF REVISIONS	
#	DATE

FINISH SCHEDULE
AND
MILLWORK PROFILES

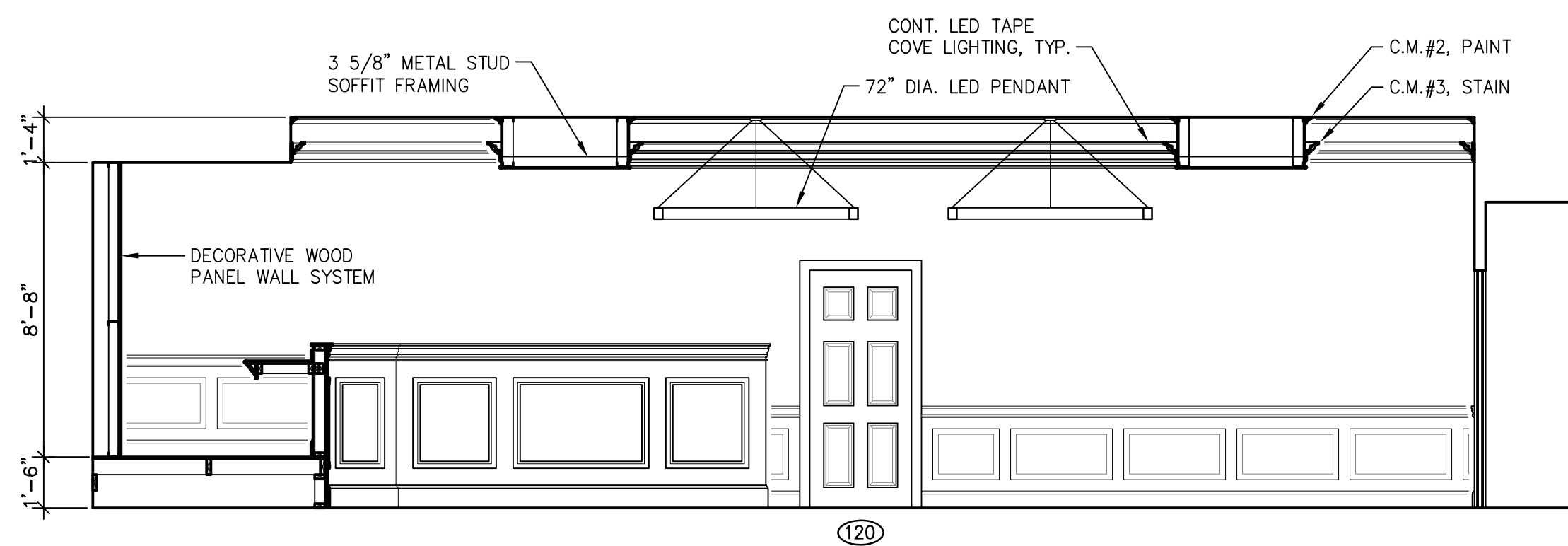
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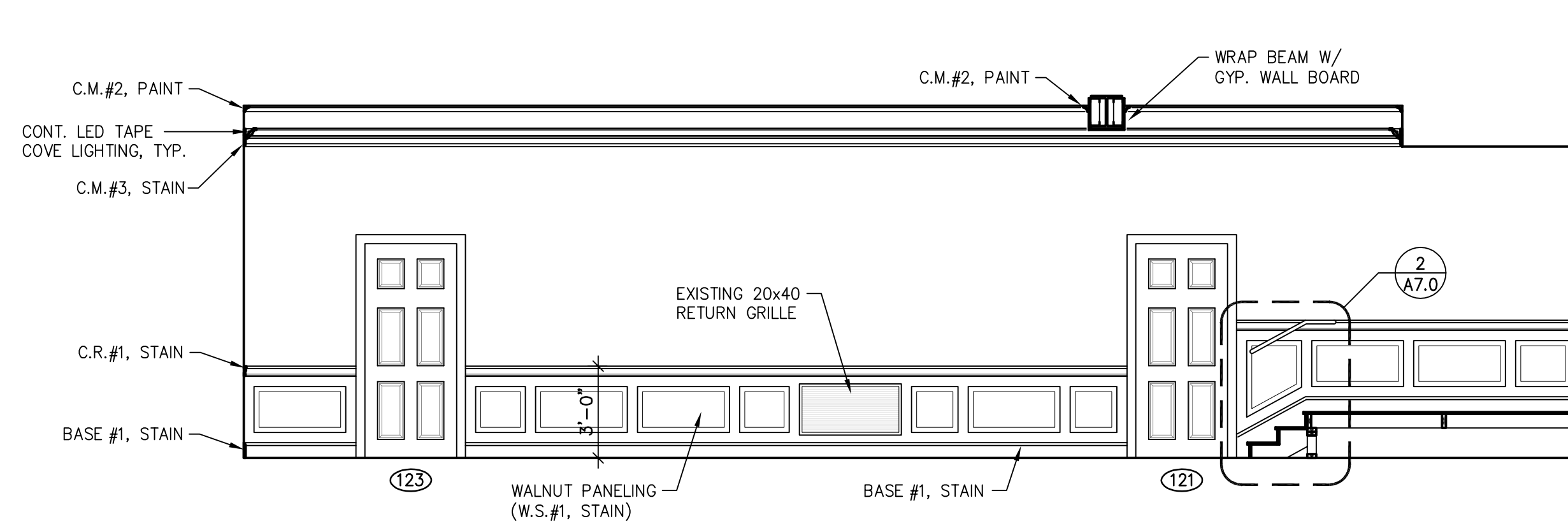
① INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



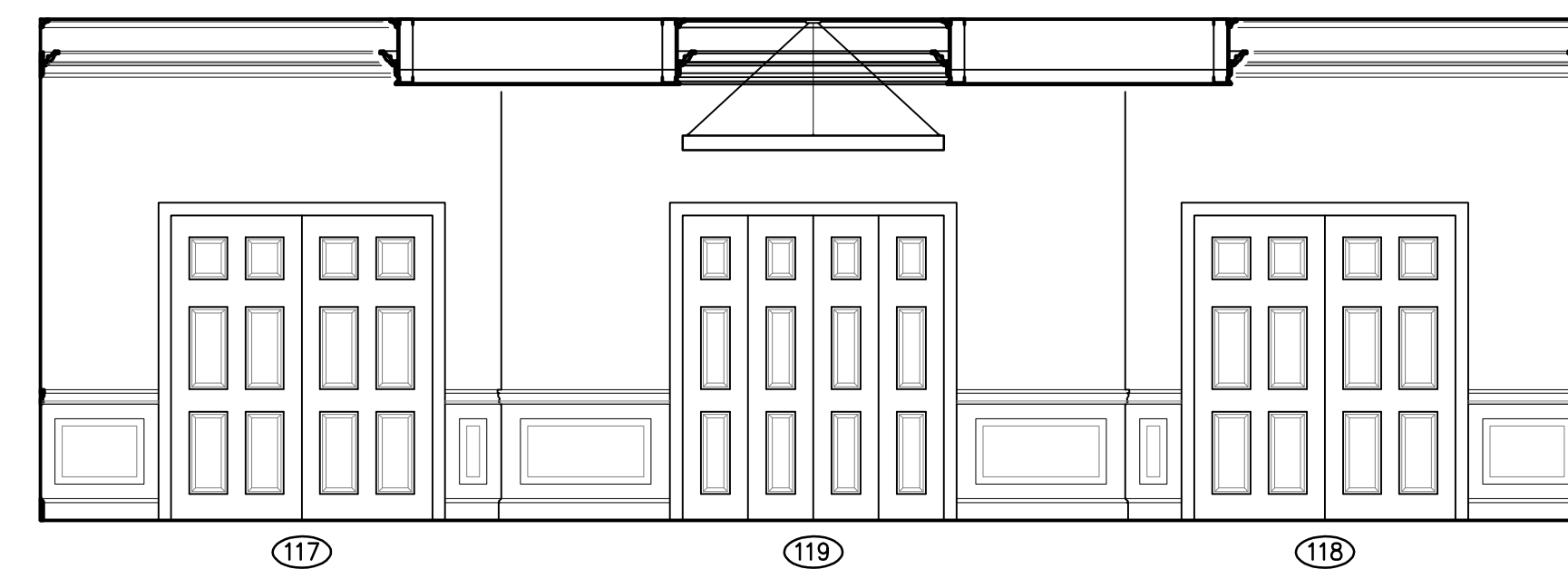
② INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



③ INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



④ INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



⑤ INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"

FOR CONSTRUCTION

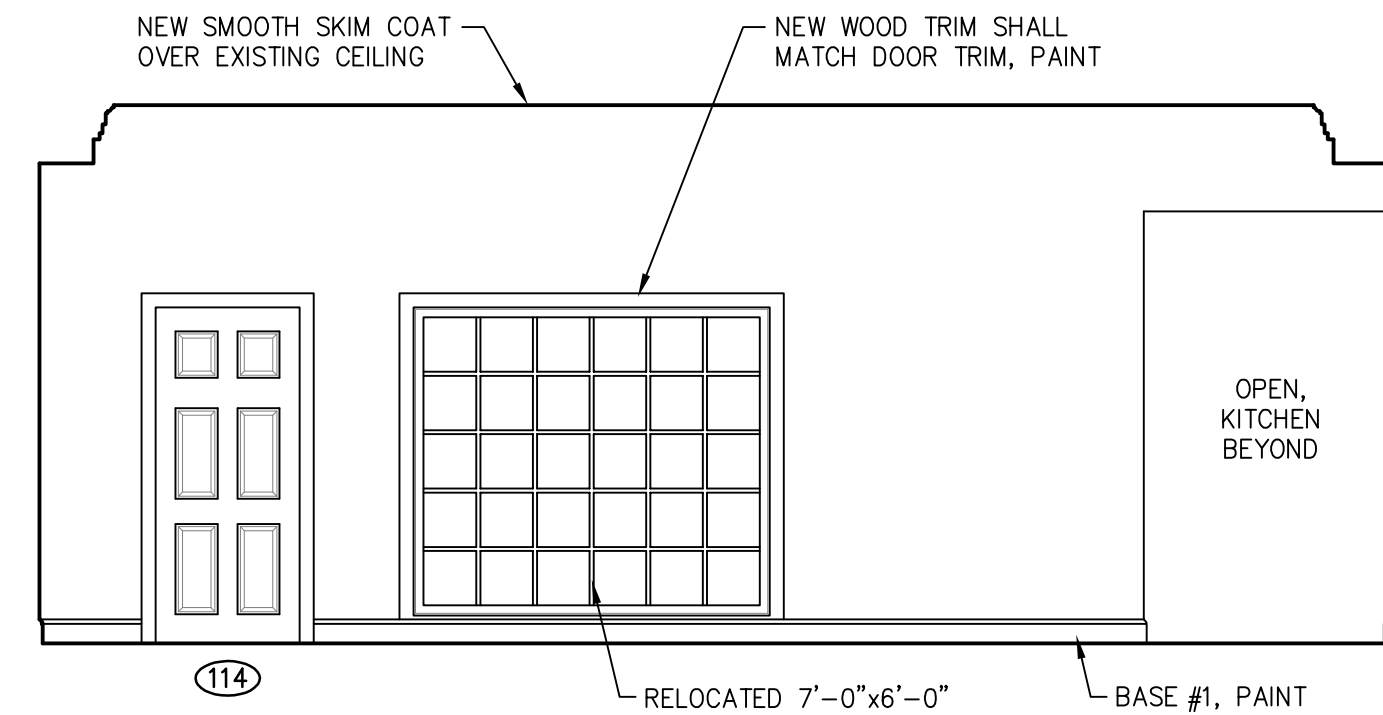
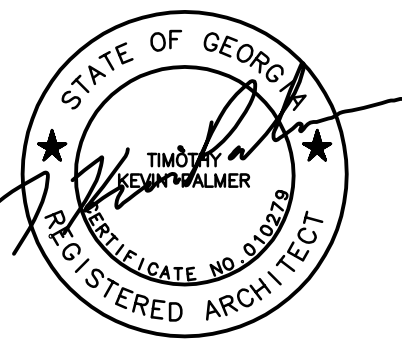
PROJECT NUMBER: 2163
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APPROVED BY: TKP

SCHEDULE OF REVISIONS

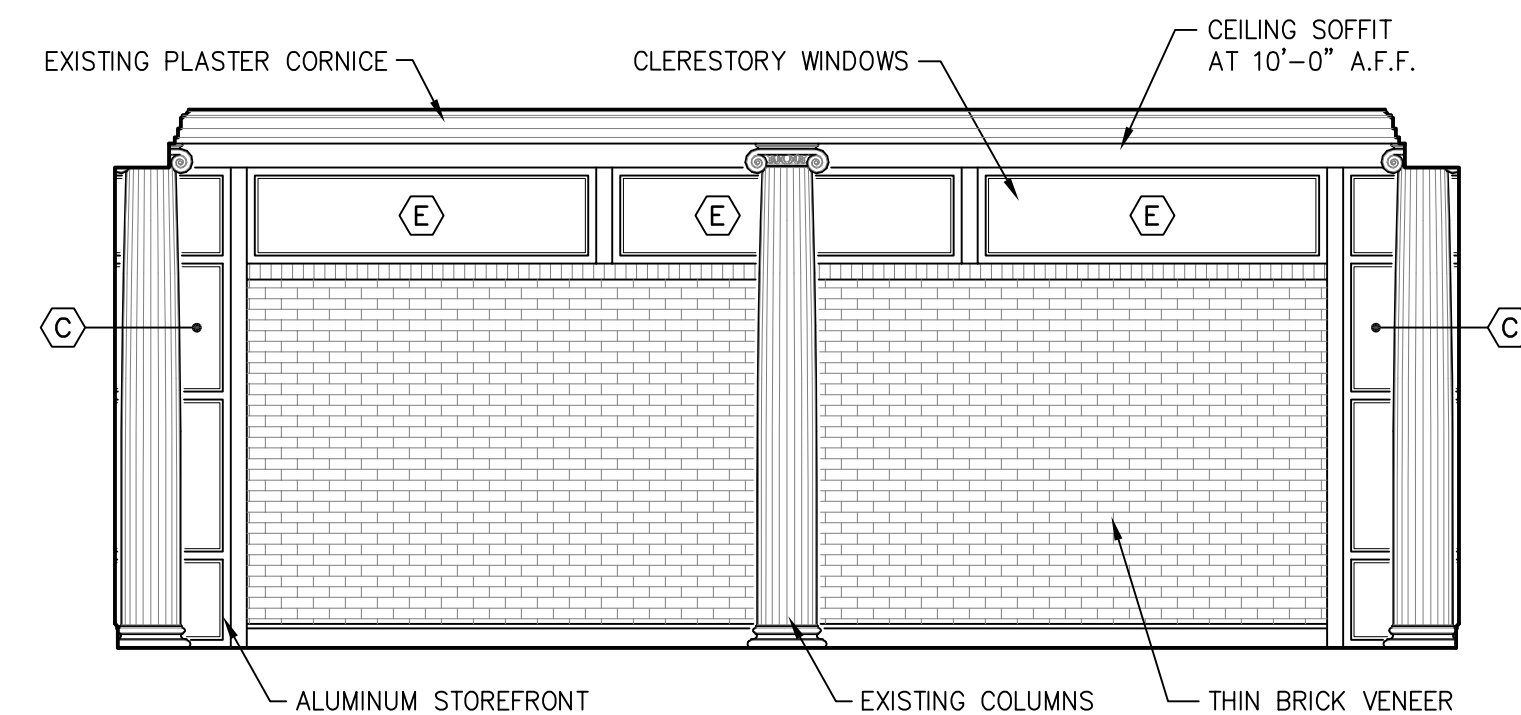
#	DATE

INTERIOR
ELEVATIONS

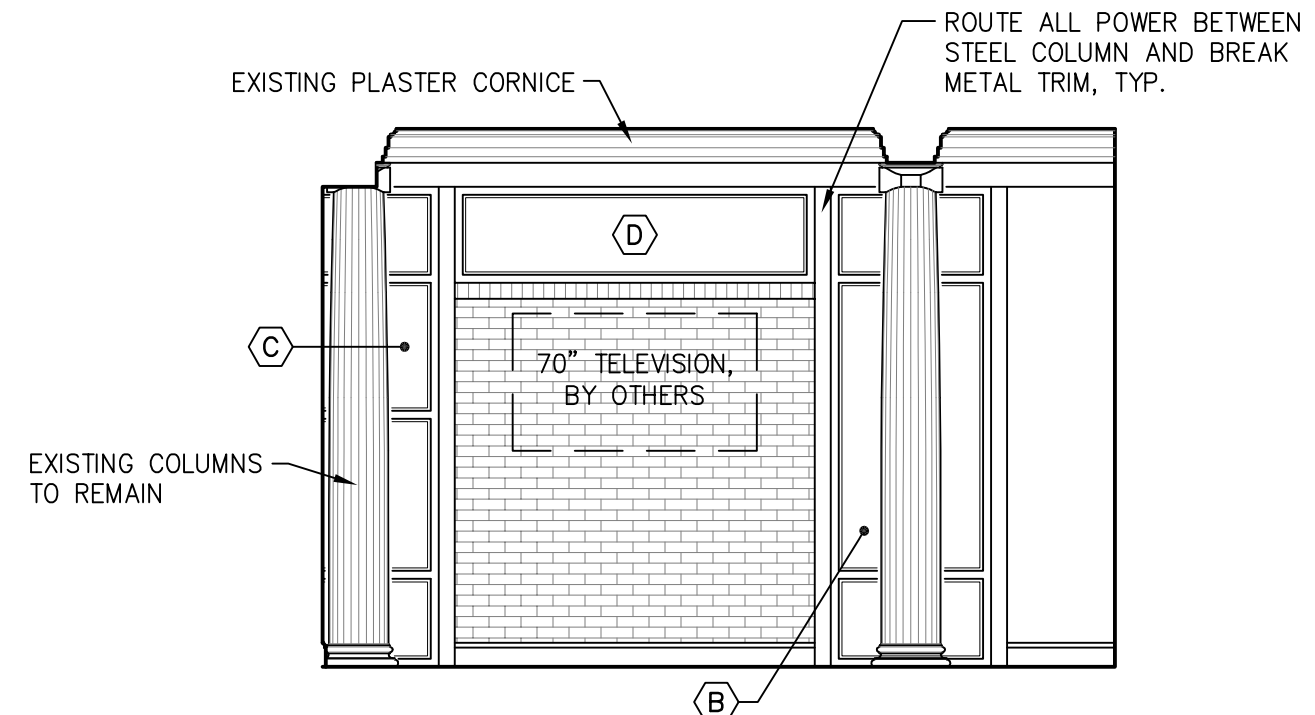
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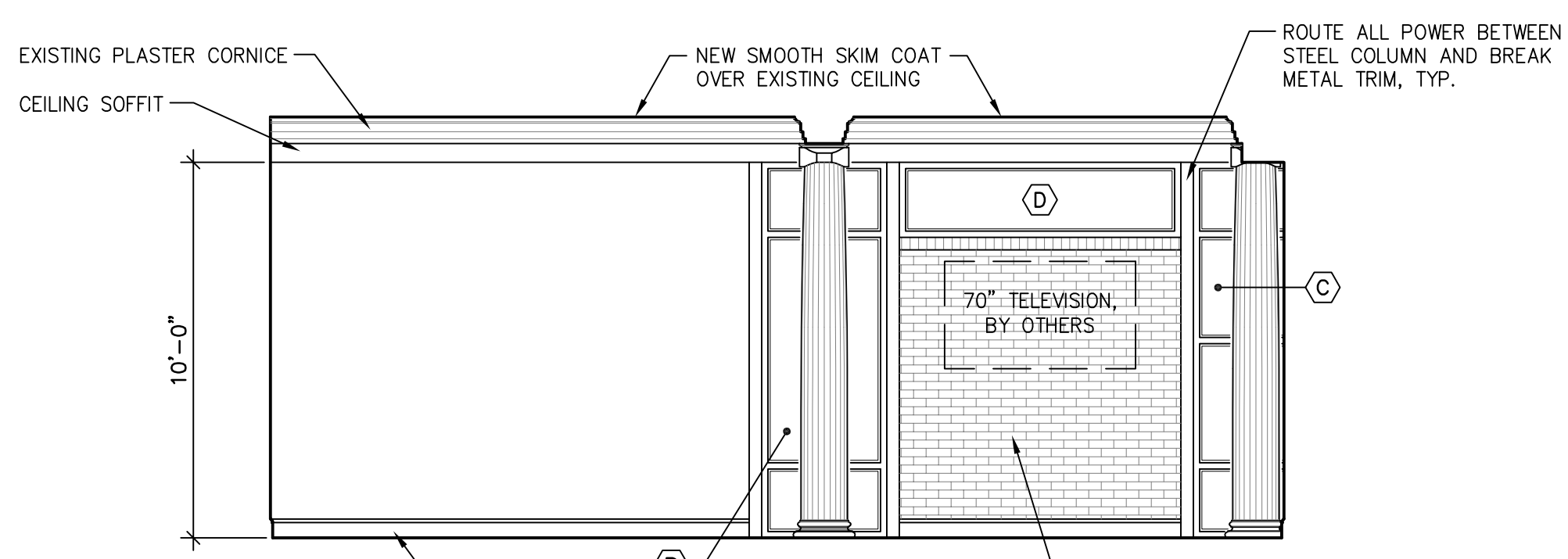
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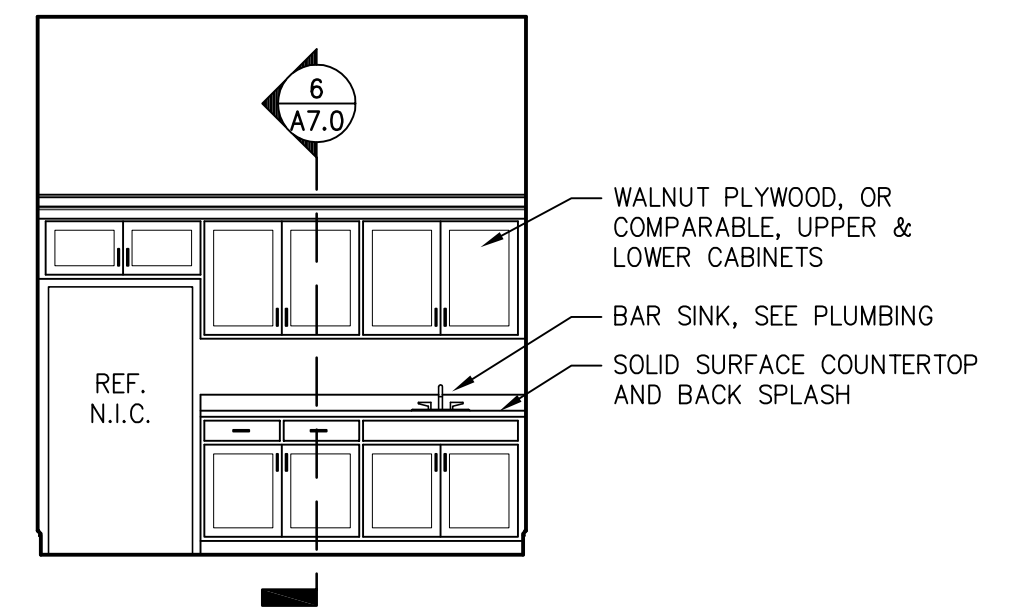
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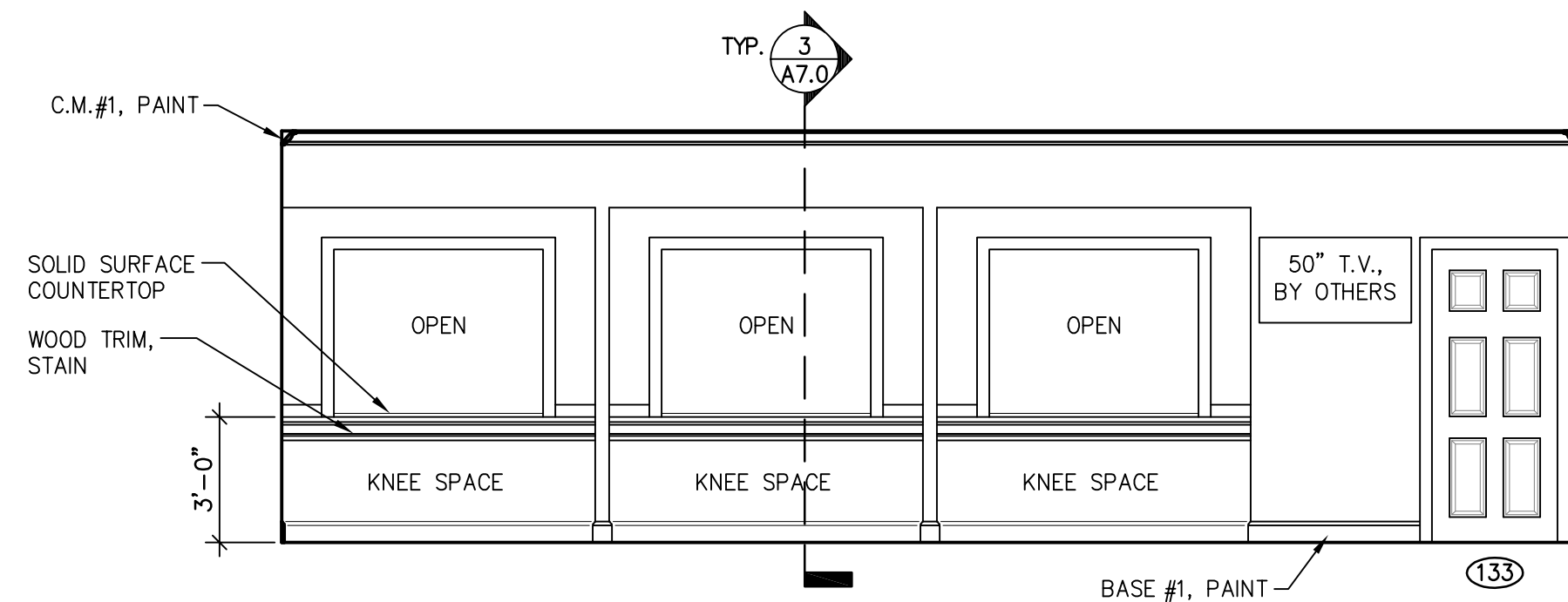
3 INTERIOR ELEVATION - RM.#114
1/4" = 1'-0"



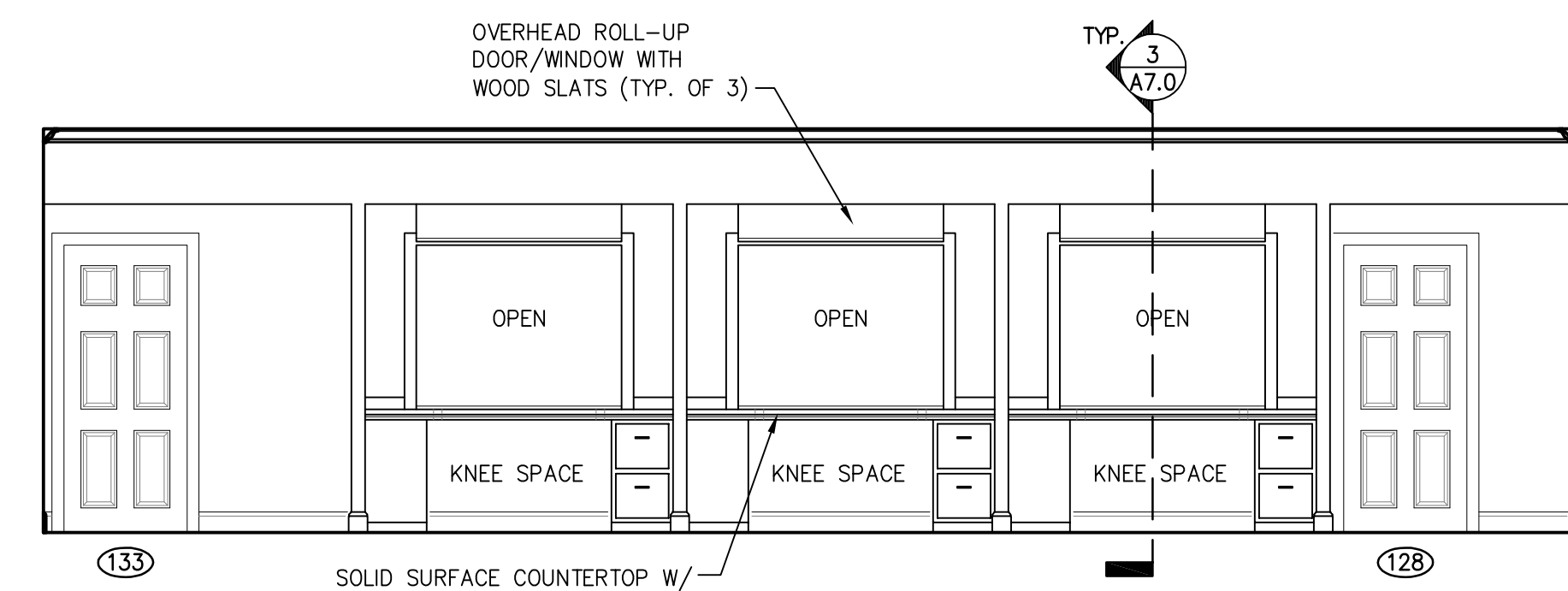
4 INTERIOR ELEVATION - RM.#114
1/4" = 1'-0"



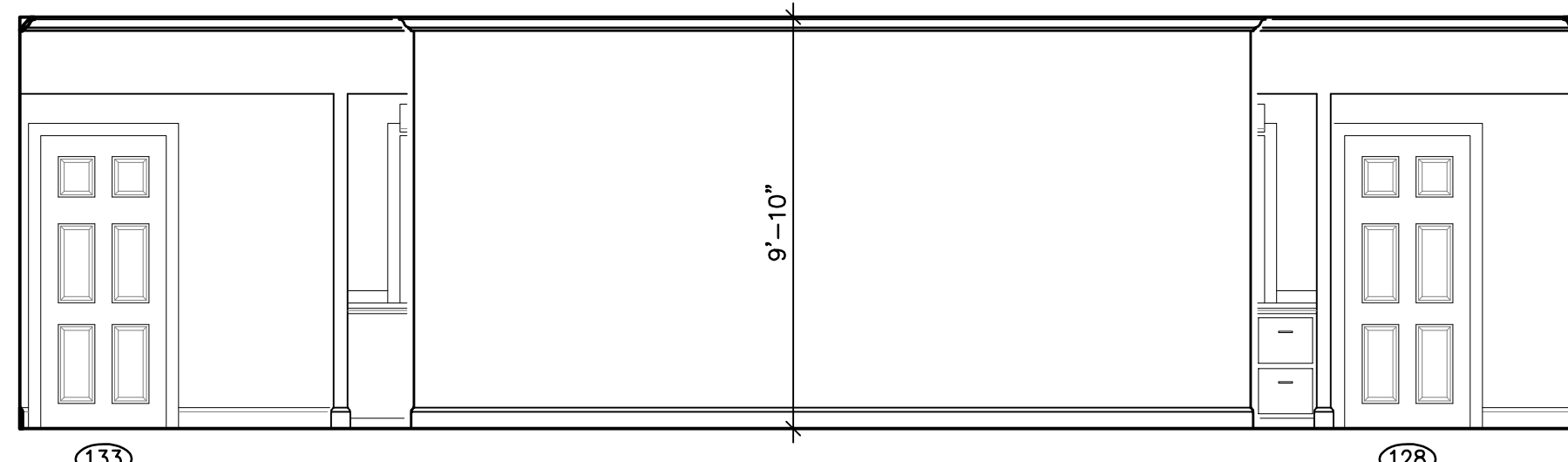
5 INTERIOR ELEVATION - RM.#115
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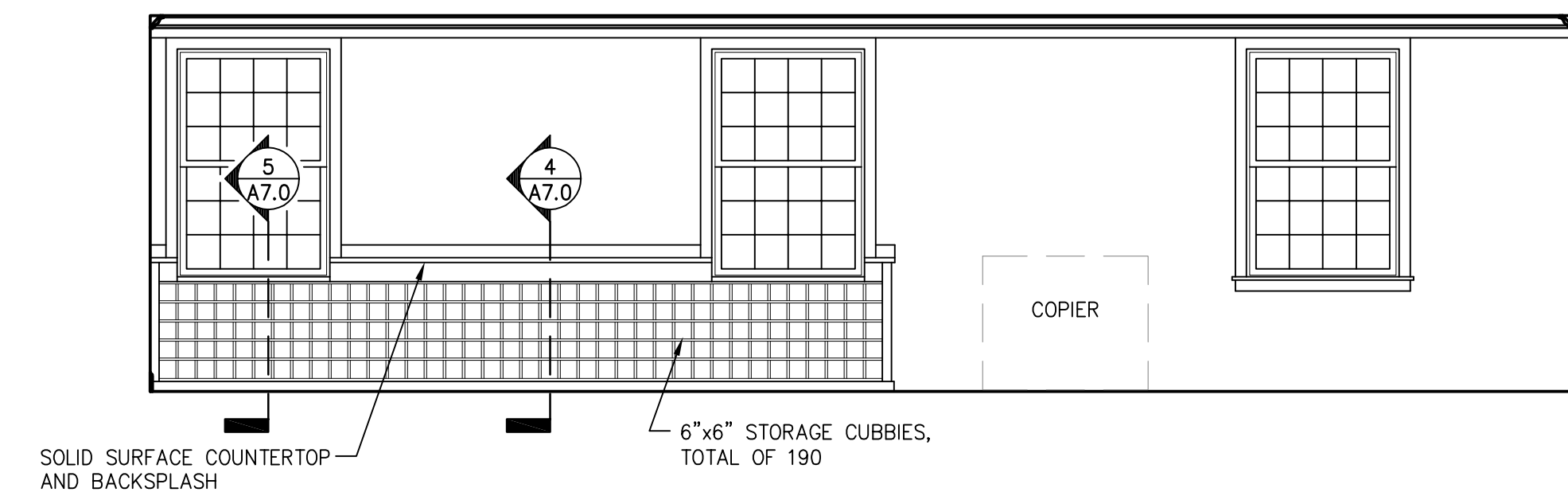
6 INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



7 INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



8 INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"



9 INTERIOR ELEVATION - RM.#125
1/4" = 1'-0"

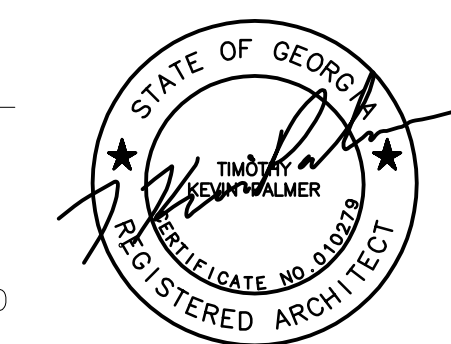
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PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS

#	DATE

INTERIOR ELEVATIONS



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NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

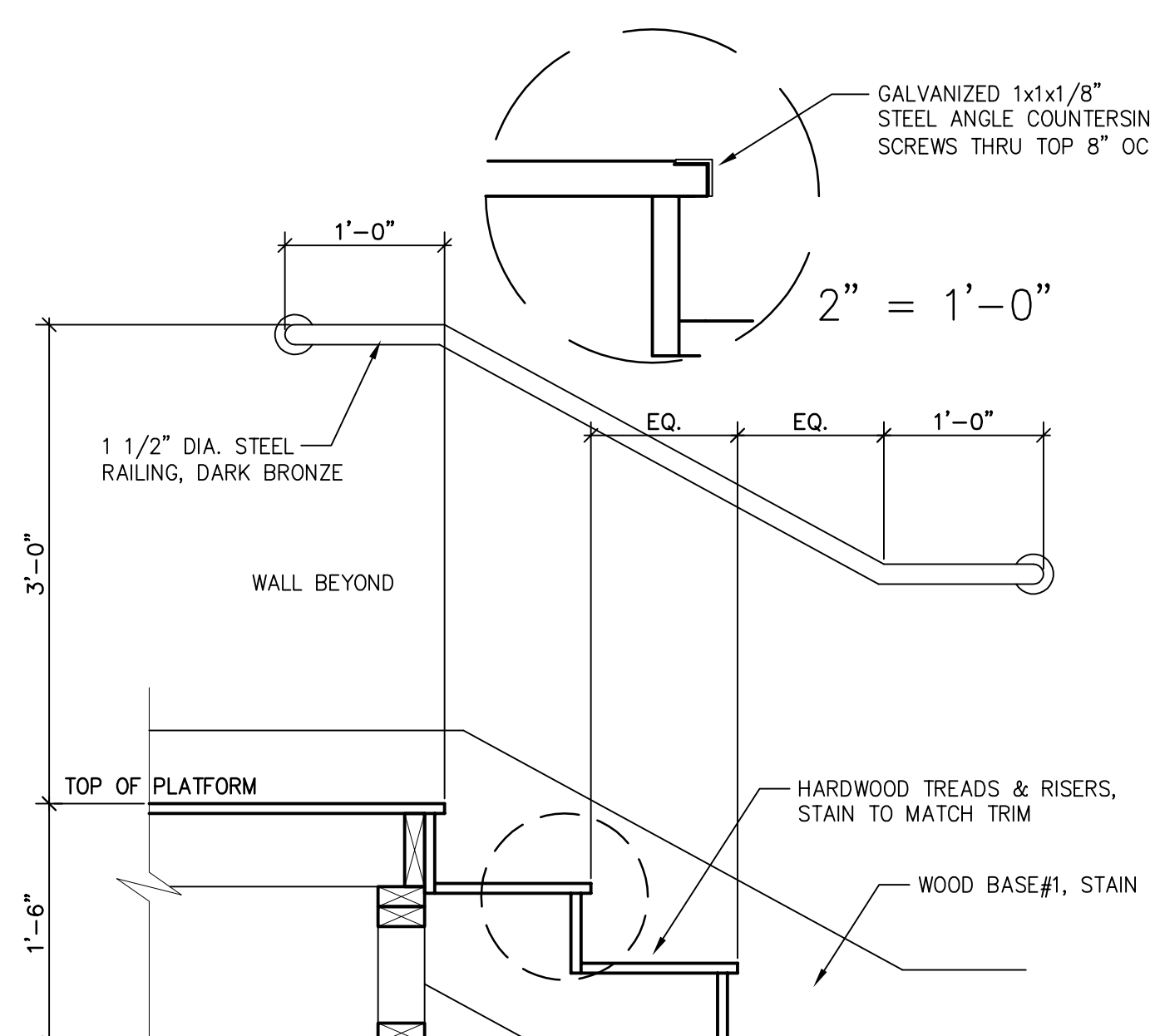
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SCHEDULE OF REVISIONS

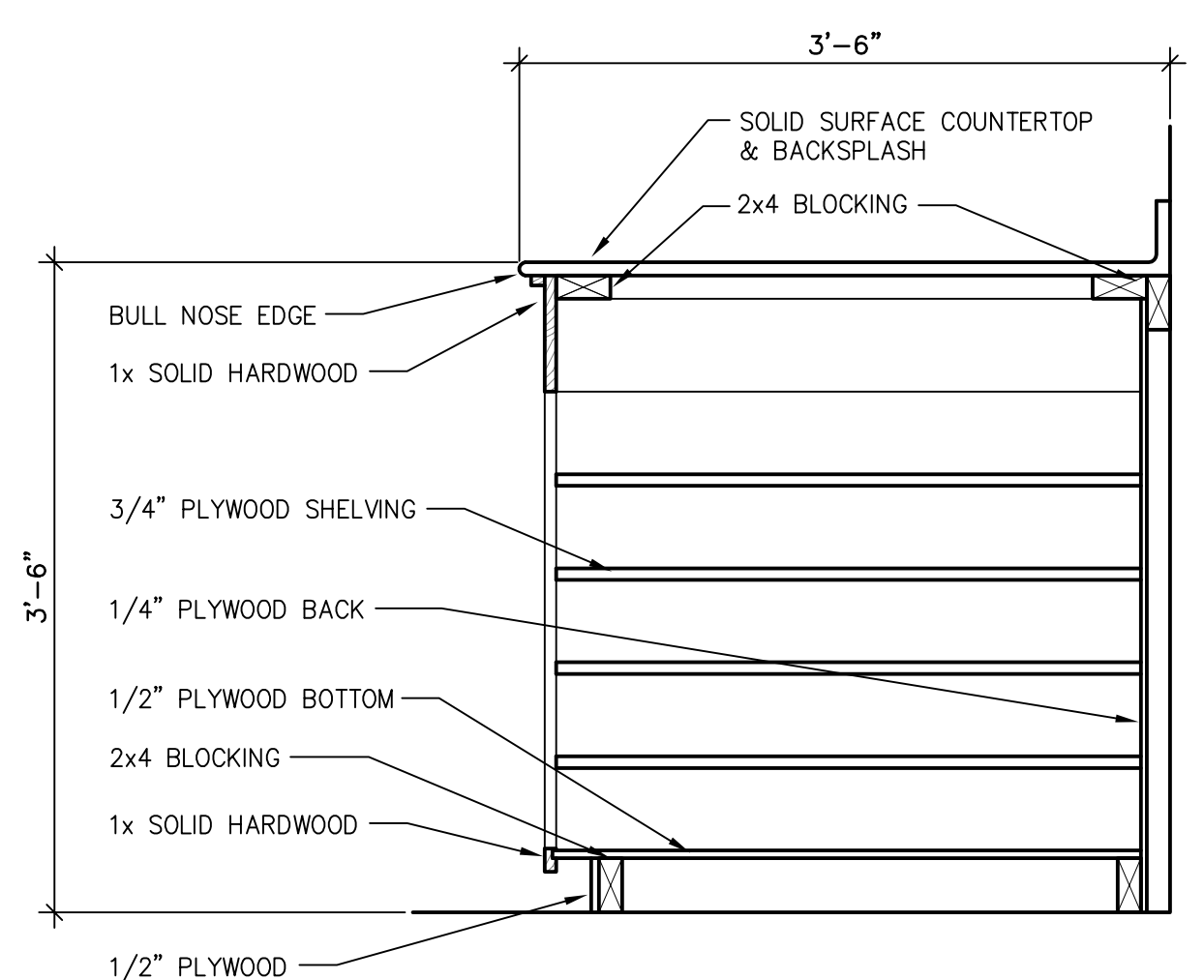
#	DATE

INTERIOR SECTIONS
AND
MILLWORK DETAILS

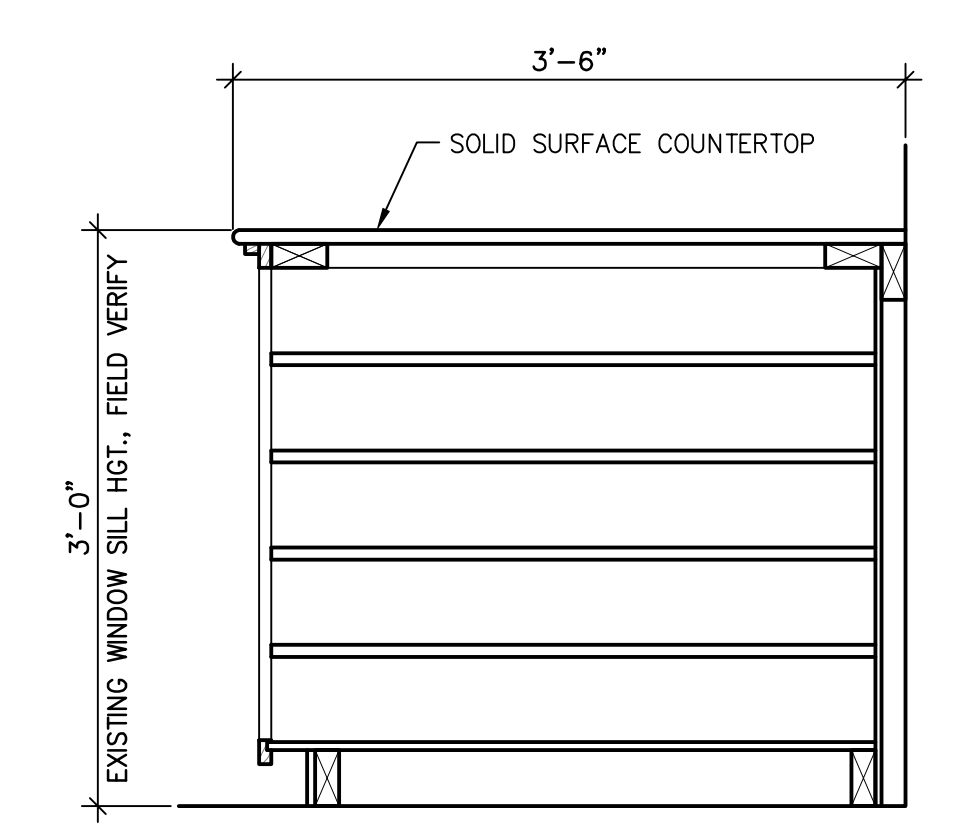
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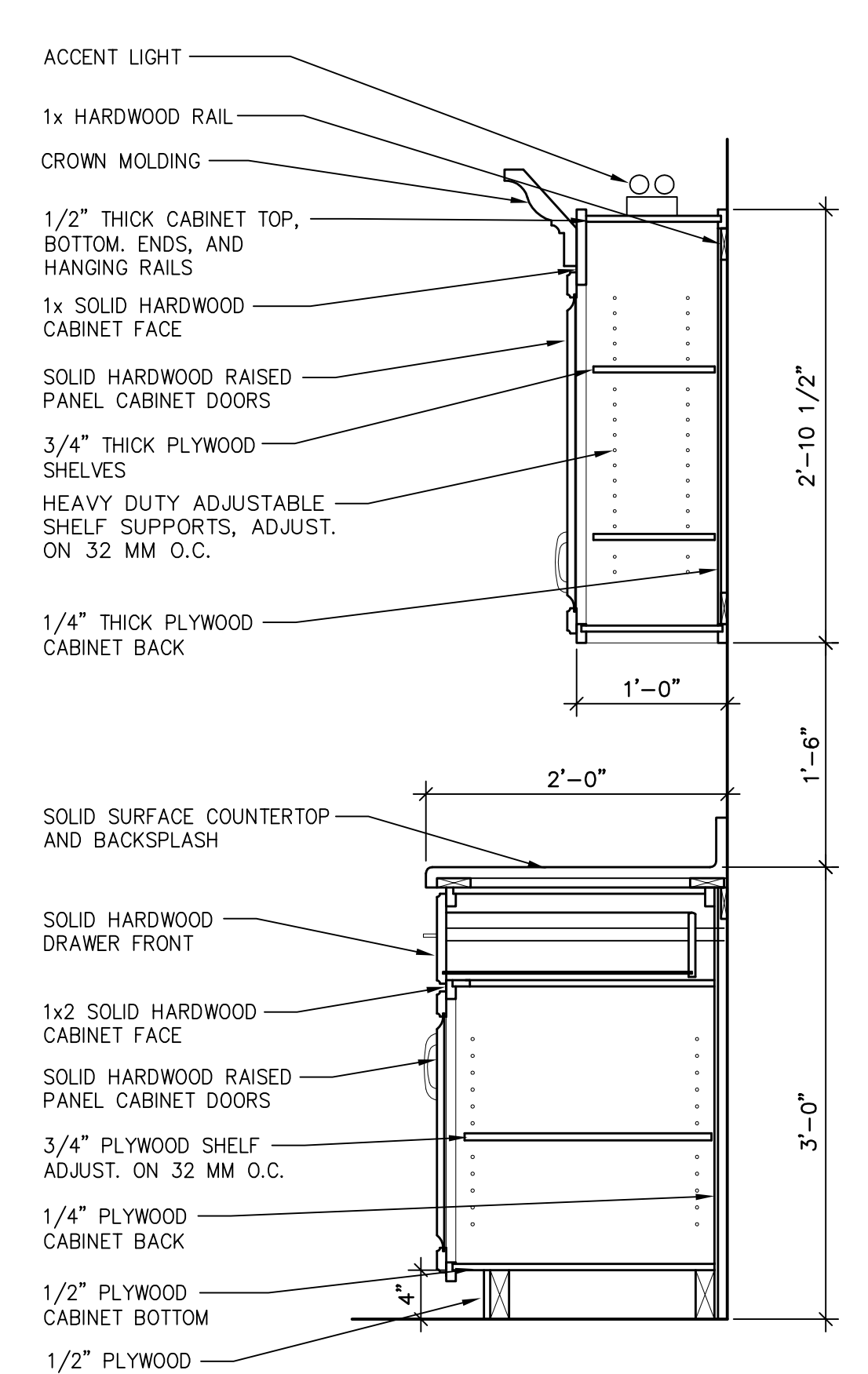
2 TYP. STAIR DETAIL
1" = 1'-0"



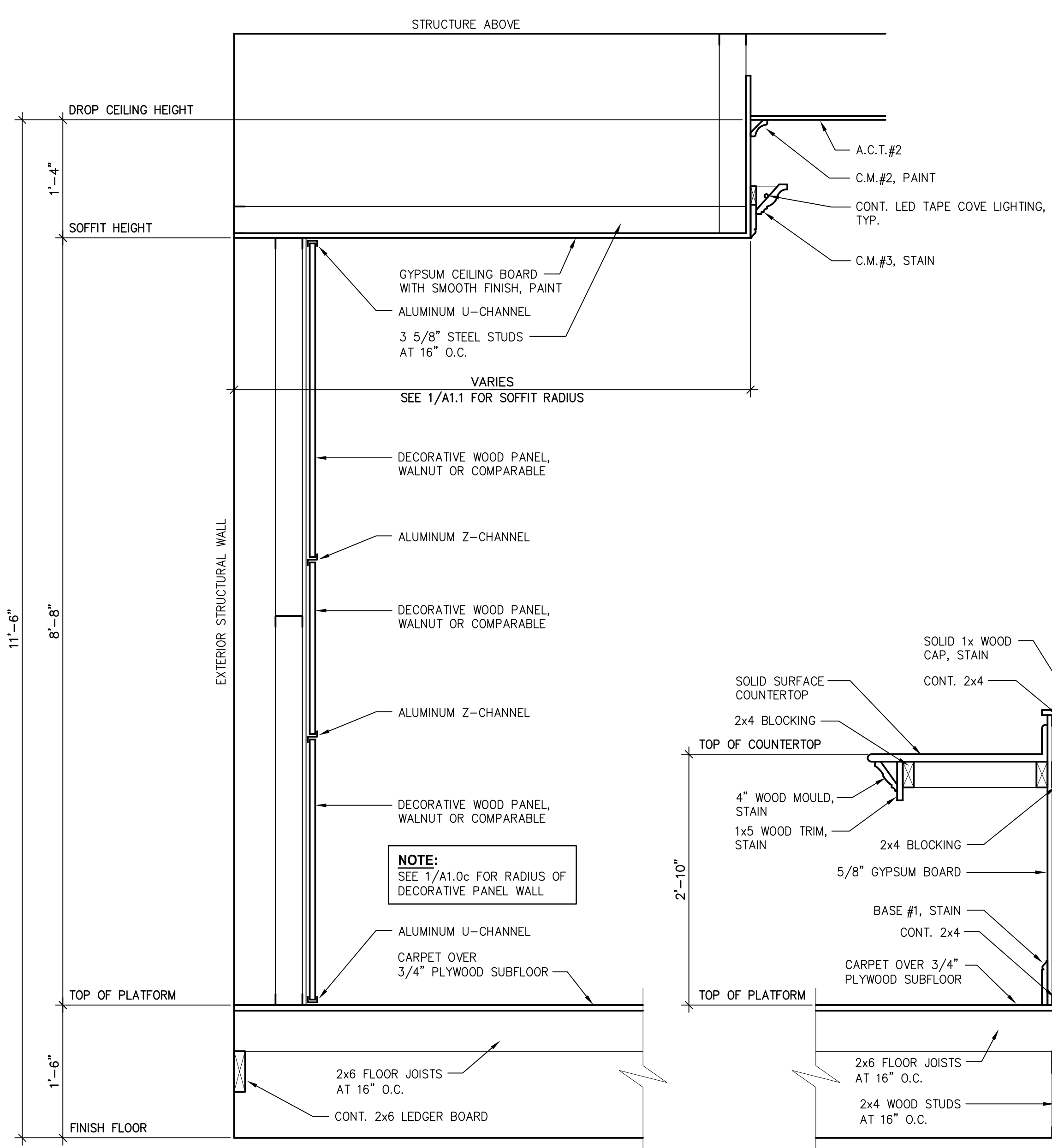
4 CUBBY STORAGE DETAIL
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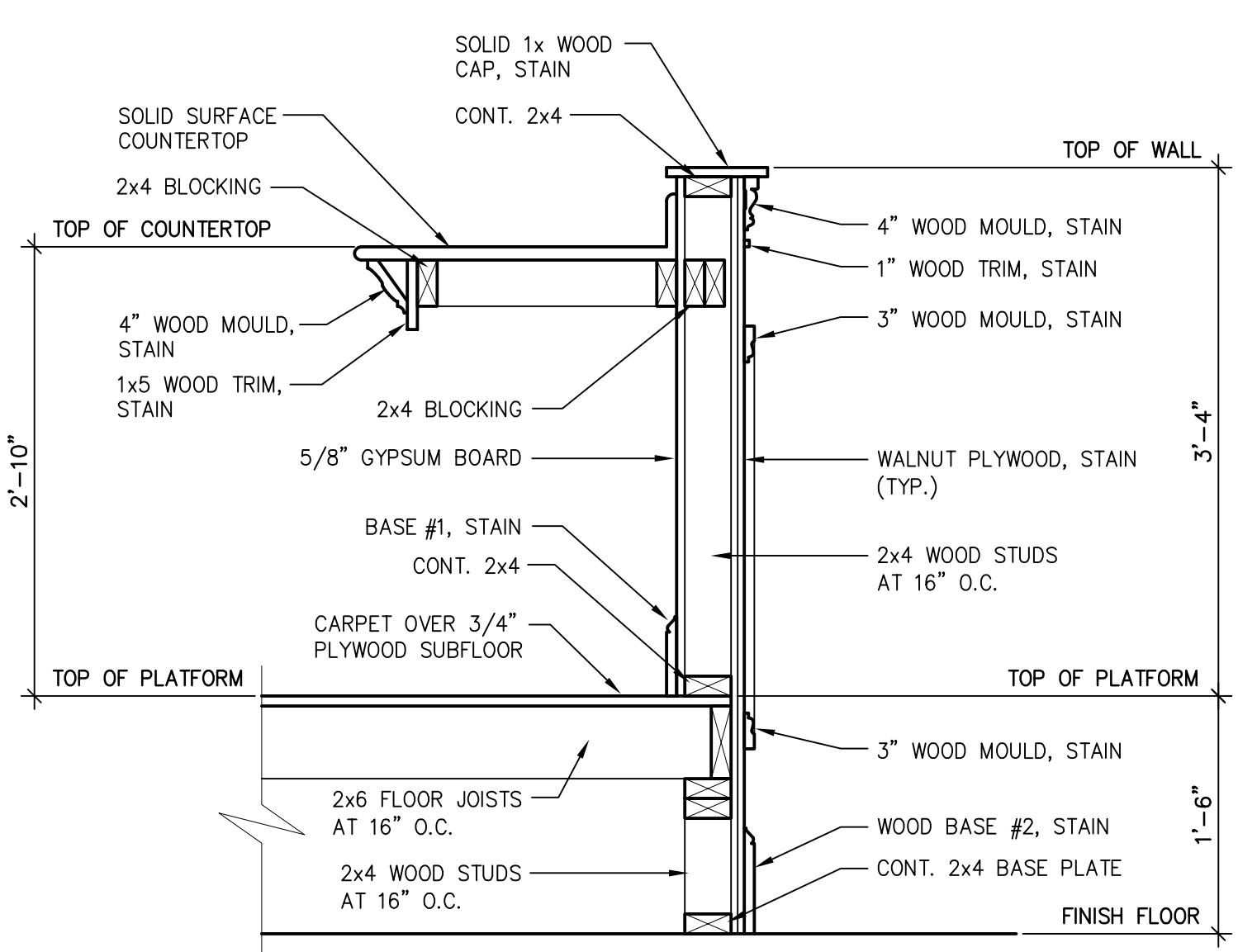
5 CUBBY STORAGE DETAIL
1" = 1'-0"



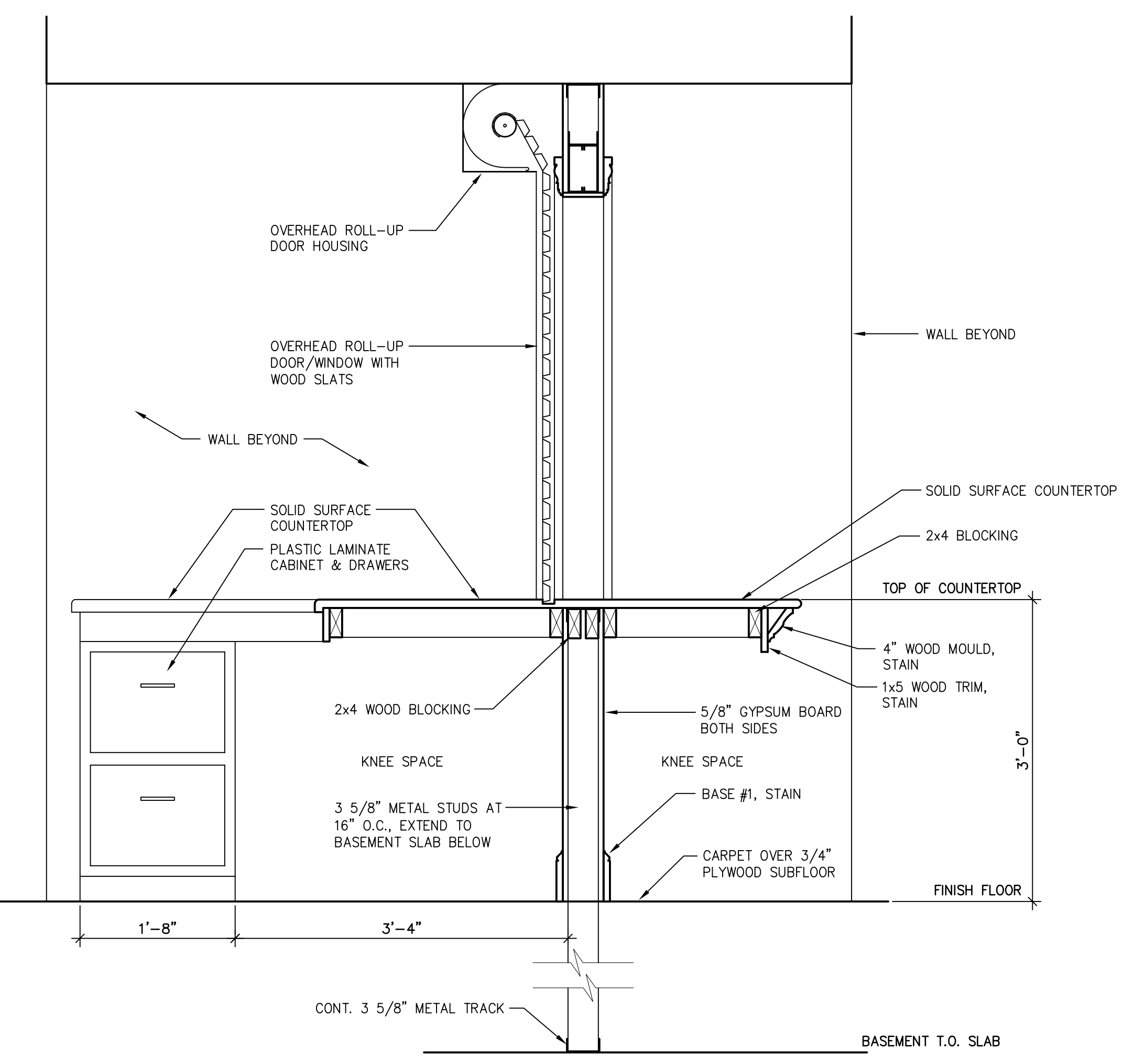
6 TYP. CABINET DETAILS
1" = 1'-0"



1 DETAIL AT RAISED PLATFORM
1" = 1'-0"



3 TYP. SECTION AT TRANSACTION STATION
1" = 1'-0"



3 TYP. SECTION AT TRANSACTION STATION
1" = 1'-0"

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



MAIN LOBBY - RM. #104



MAIN LOBBY - RM. #104



COMMISSIONER'S ROOM - RM. #125



PERMIT OFFICE - RM. #121



PERMIT OFFICE - RM. #121



COMMISSIONER'S ROOM - RM. #125



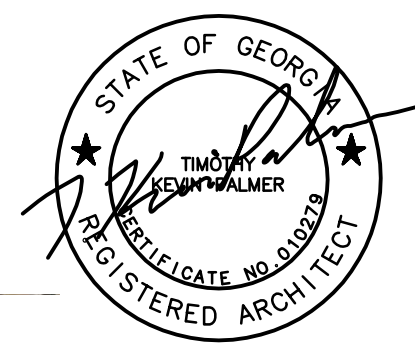
TYPICAL OFFICE



TYPICAL OFFICE



COMMISSIONER'S ROOM - RM. #125



**RENOVATION & ADDITION
NORTH MAIN ANNEX**
115 NORTH MAIN ST. STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
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DRAWN BY: AMG
APPROVED BY: TKP

SCHEDULE OF REVISIONS	
#	DATE

INTERIOR
PERSPECTIVE VIEWS

A8.0

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



DEMOLITION KEY NOTES:

- 1 REMOVE EXISTING CEILING SUPPLY GRILLE AS SHOWN.
- 2 REMOVE EXISTING SUPPLY DUCTWORK AS SHOWN.
- 3 REMOVE EXISTING INDOOR UNIT, OUTDOOR UNIT, CONTROLS AND REFRIGERANT PIPING.
- 4 REMOVE EXISTING FLOOR MOUNTED SUPPLY GRILLES.
- 5 WHERE DUCTWORK IS REMOVED, COVER WITH SHEET METAL AND SEAL AIRTIGHT. INSULATE TO MATCH EXISTING.
- 6 EXISTING CEILING EXHAUST FAN TO REMAIN. INSTALL NEW EXHAUST DUCTWORK AS SHOWN ON NEW WORK PLAN.
- 7 REMOVE EXISTING CEILING RETURN GRILLE AS SHOWN.
- 8 REMOVE EXISTING RETURN DUCTWORK AS SHOWN. REMOVE EXISTING WALL MOUNTED RETURN GRILLE. WALL PATCH BY OTHERS.
- 9 REMOVE EXISTING WALL MOUNTED SUPPLY AND SUPPLY DUCT BACK TO ATTIC. CONNECT TO NEW DUCTWORK AS SHOWN ON NEW WORK PLAN.
- 10 REMOVE EXISTING INDOOR UNIT, OUTDOOR UNIT AND REFRIGERANT PIPING. INSTALL NEW EQUIPMENT AS SHOWN ON NEW WORK PLAN.
- 11 REMOVE EXISTING RETURN DUCTWORK AS SHOWN.
- 12 REMOVE EXISTING EXHAUST WALL CAP AND EXHAUST DUCT AS SHOWN. EXTEND EXISTING EXHAUST DUCTS AND PROVIDE NEW WALL CAPS AS SHOWN ON NEW WORK PLAN.
- 13 REMOVE EXISTING WALL MOUNTED RETURN GRILLE. EXISTING DUCTWORK TO REMAIN. VACUUM INSIDE OF EXISTING PLENUM.
- 14 REMOVE EXISTING WALL MOUNTED THERMOSTAT.

**RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458**

FOR CONSTRUCTION

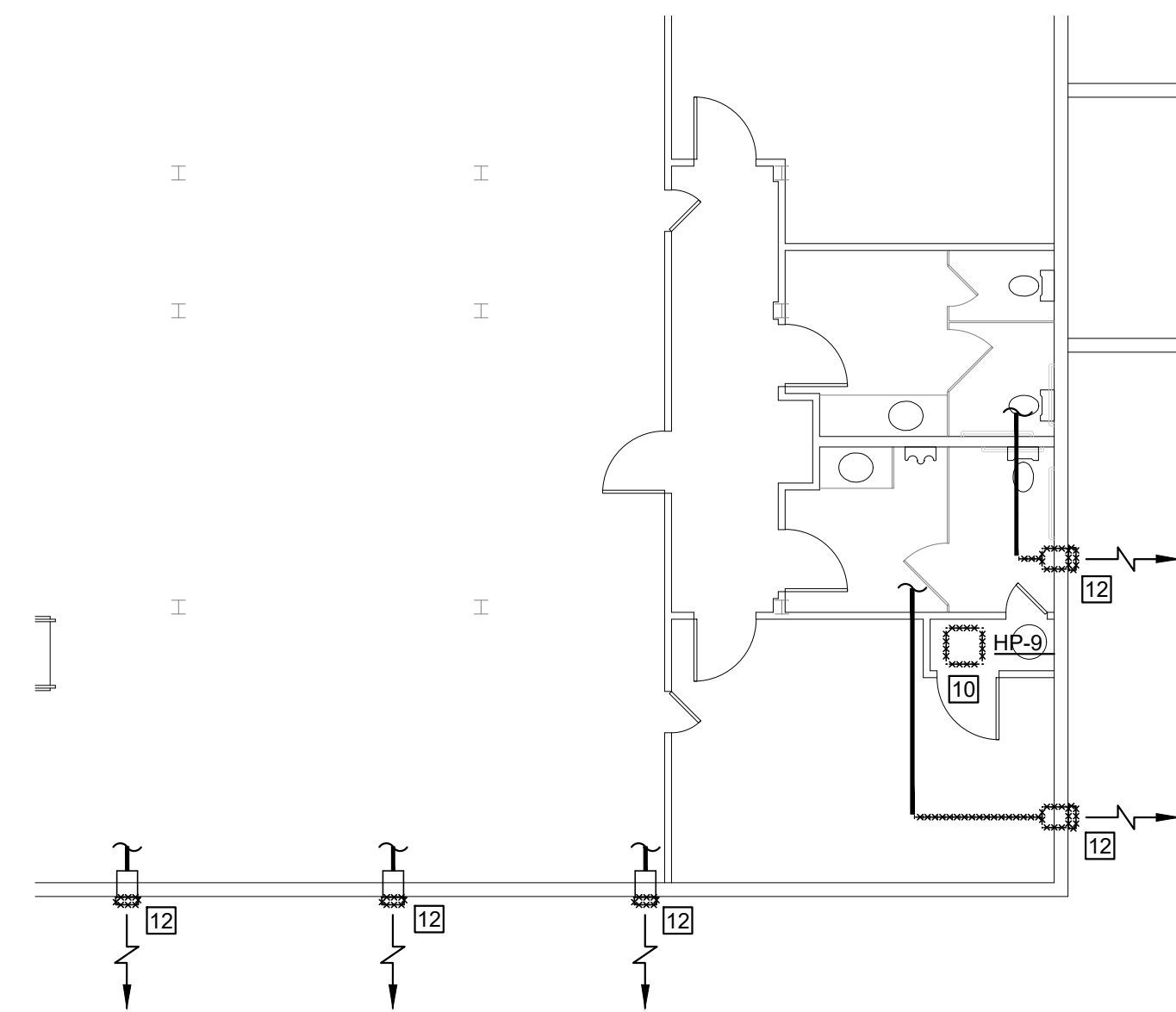
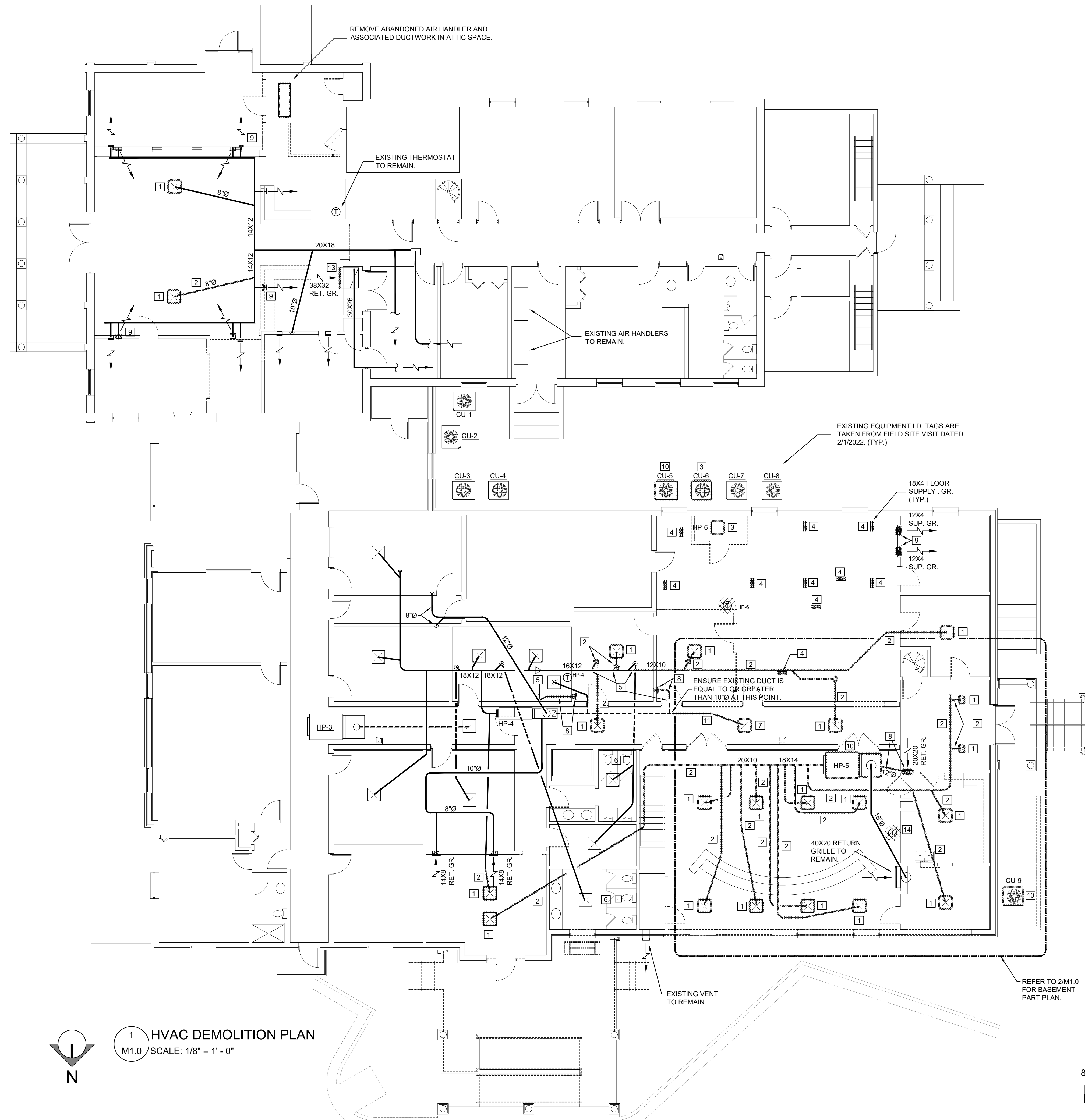
PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: MHW
APPROVED BY: CAB

SCHEDULE OF REVISIONS

#	DATE

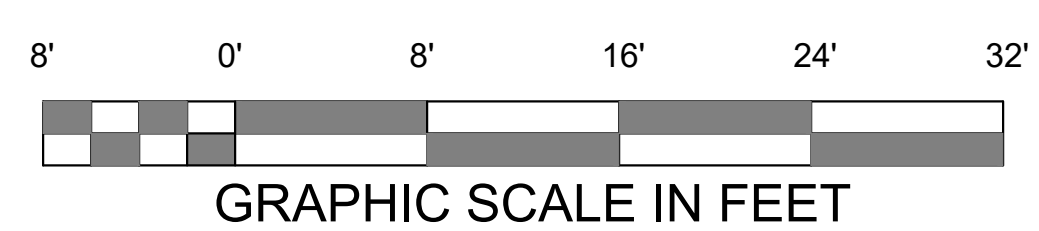
HVAC DEMOLITION PLANS

M1.0



2 HVAC BASEMENT DEMOLITION PART PLAN
M1.0 SCALE: 1/8" = 1' - 0"

1 HVAC DEMOLITION PLAN
M1.0 SCALE: 1/8" = 1' - 0"



2022-013

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**RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458**

FOR CONSTRUCTION

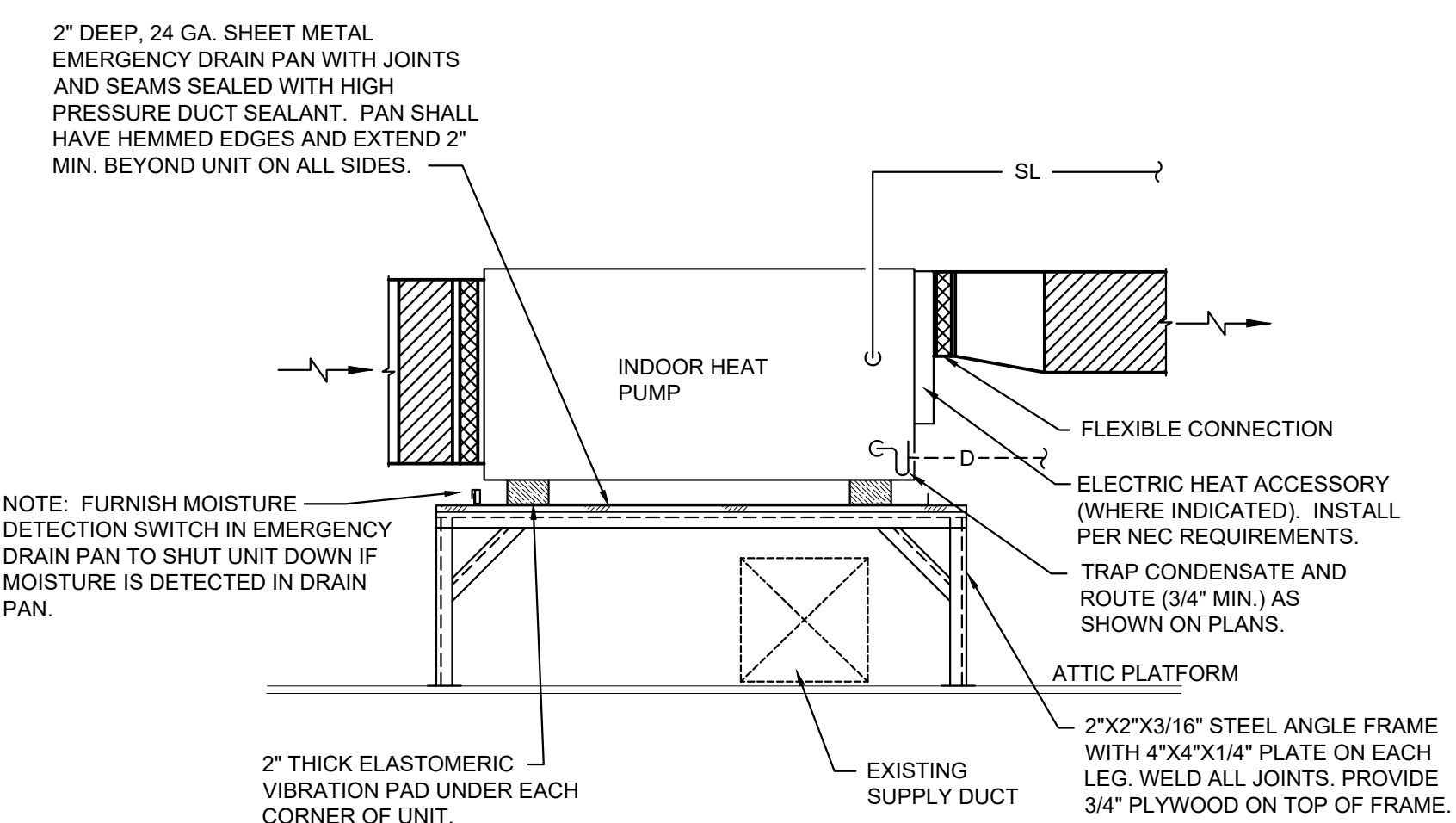
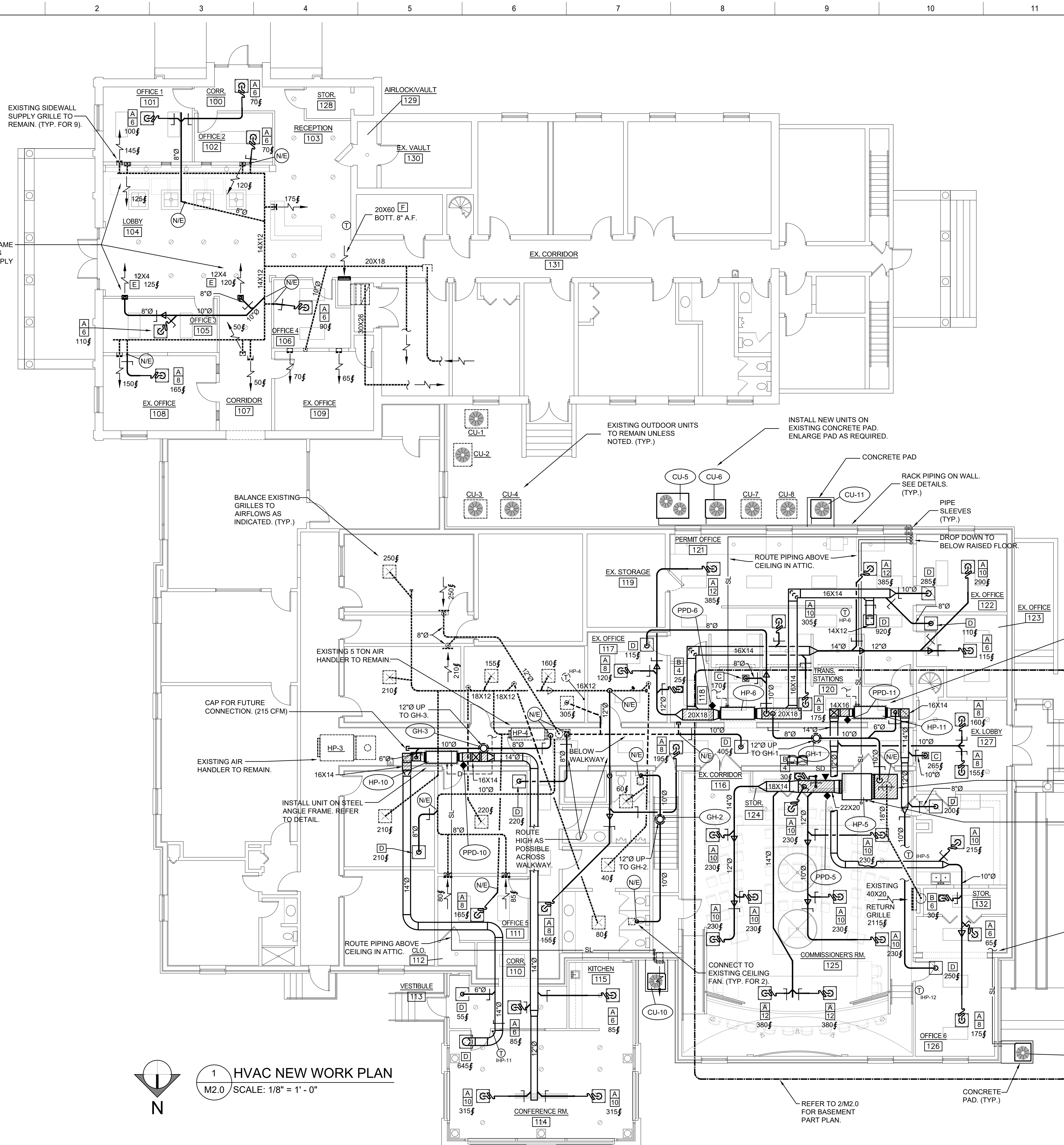
PROJECT NUMBER: 2163
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SCHEDULE OF REVISIONS

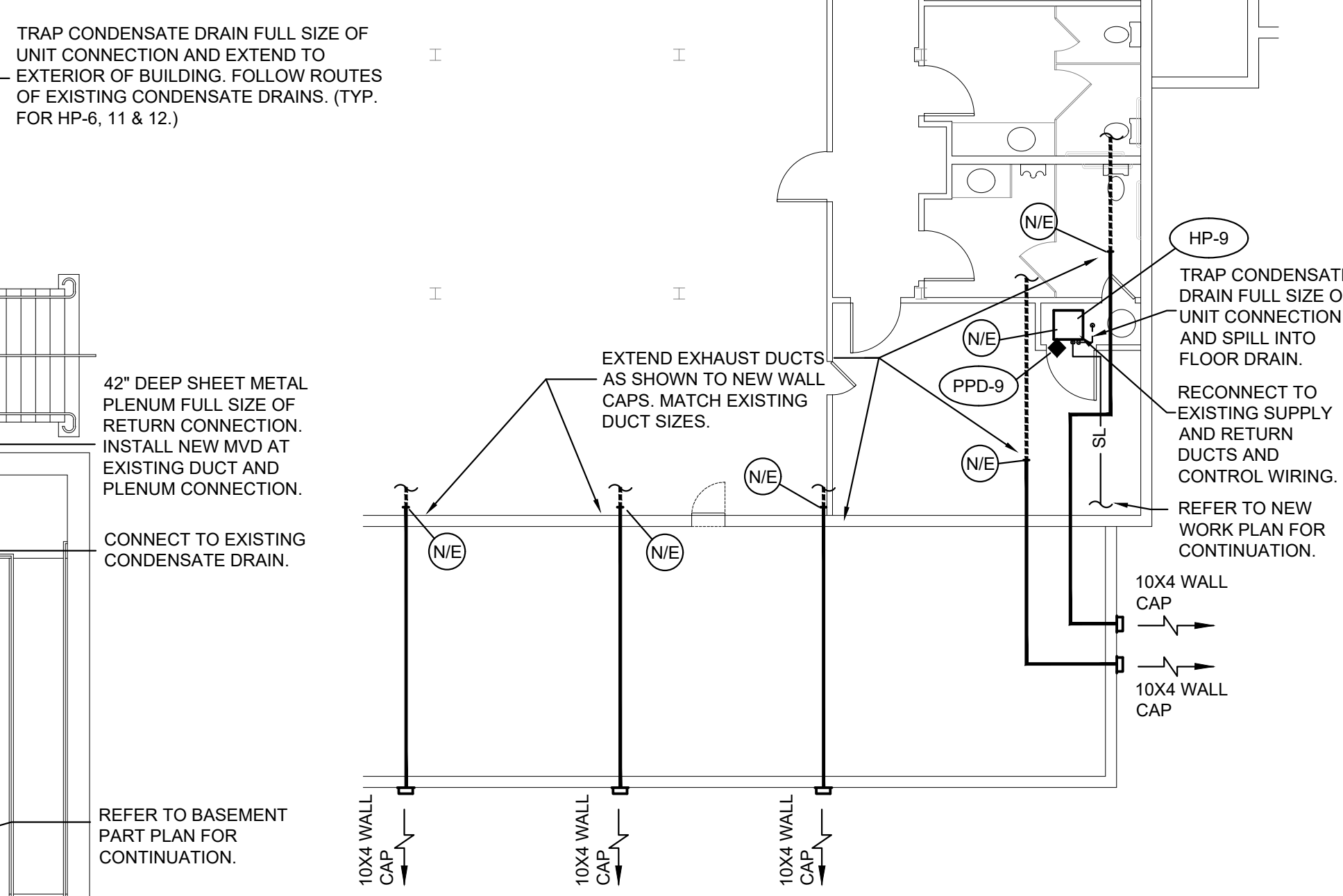
#	DATE

**HVAC NEW
WORK PLANS**

M2.0

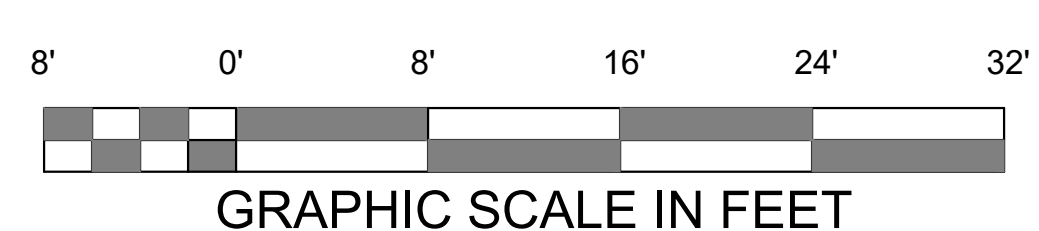


NOTE: INSTALL UNIT SO AS NOT TO BLOCK ANY ACCESS PANELS.
3 HP-11 DETAIL
M2.0 SCALE: NONE



2 HVAC BASEMENT NEW WORK PART PLAN
M2.0 SCALE: 1/8" = 1' - 0"

1 HVAC NEW WORK PLAN
M2.0 SCALE: 1/8" = 1' - 0"



HVAC GENERAL NOTES

EXISTING WORK IS SHOWN IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. EXISTING WORK SHOWN MAY NOT INCLUDE ALL EXISTING CONDITIONS. EXACT LOCATION, ARRANGEMENT, AND SIZES SHALL BE VERIFIED BEFORE STARTING ANY NEW WORK OR ORDERING ANY MATERIALS.

INSTALL DUCTWORK AND PIPING ABOVE CEILINGS WHERE POSSIBLE AND IN CHASES TO PROVIDE MAXIMUM POSSIBLE CLEARANCE'S FOR MAINTENANCE ACCESS. INSTALL PIPING AND DUCTWORK IN EQUIPMENT ROOMS PARALLEL OR PERPENDICULAR TO WALLS AND CEILINGS UNLESS SHOWN OTHERWISE.

ALL DUCTWORK AND PIPING SHALL BE CONCEALED UNLESS NOTED OTHERWISE.

COORDINATE THE INSTALLATION OF DUCTWORK AND PIPING WITH THAT OF OTHER TRADES TO PROVIDE THE BEST POSSIBLE ARRANGEMENT. REFER TO PLUMBING, ELECTRICAL, AND STRUCTURAL DRAWINGS AND SPRINKLER SHOP DRAWINGS. ARRANGE PIPING AND DUCTWORK TO AVOID CONFLICTS WITH OTHER BUILDING TRADES.

UNLESS DIMENSIONED, PIPING, DUCTWORK, AND EQUIPMENT ARE SHOWN IN APPROXIMATE LOCATIONS. EXACT CONFIGURATION SHALL BE DETERMINED IN THE FIELD TO COORDINATE WITH OTHER TRADES AND TO ALLOW FOR A MINIMUM NUMBER OF OFFSETS AS POSSIBLE WHILE ALLOWING FOR ADEQUATE MAINTENANCE ACCESS.

FURNISH FLEXIBLE DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.

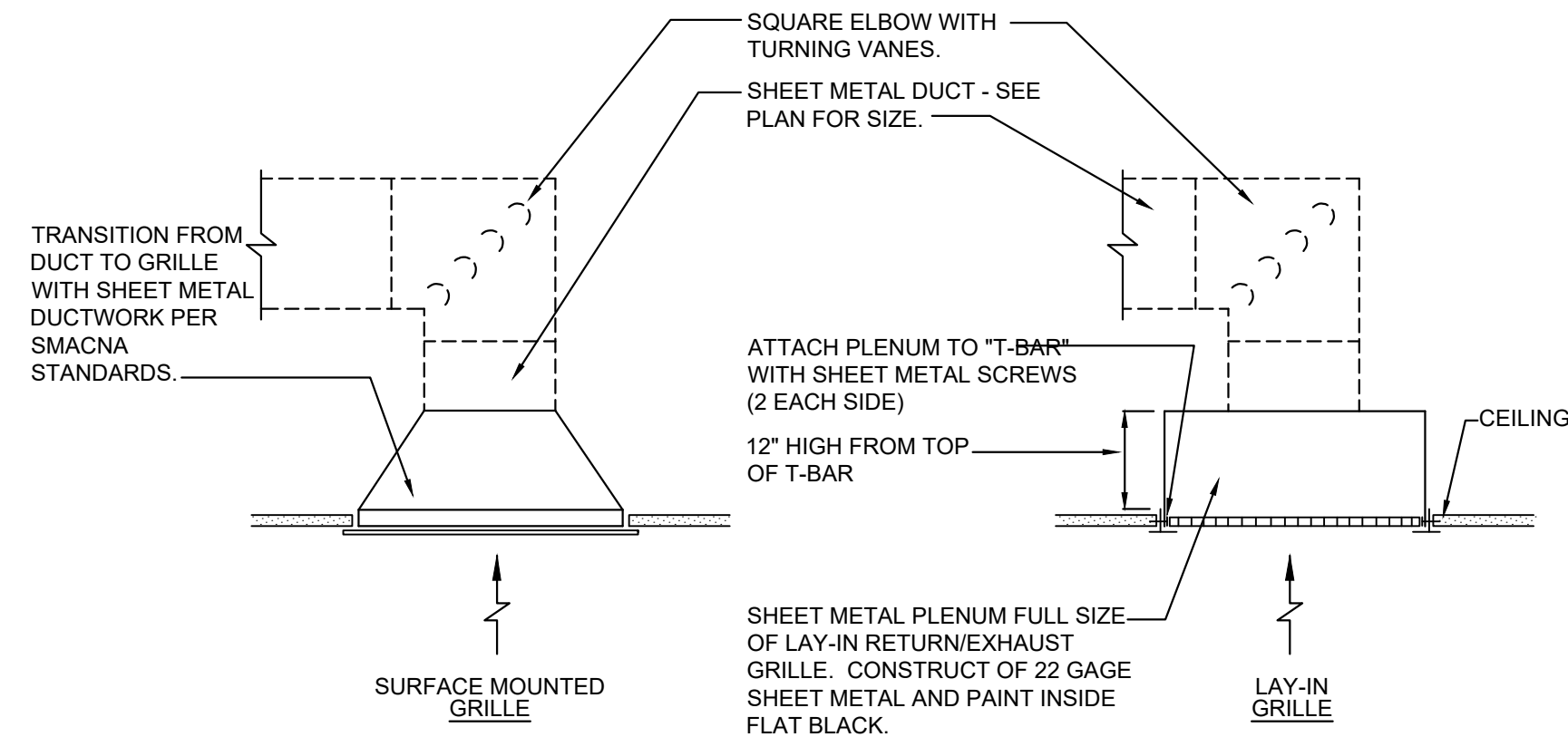
FURNISH FLANGED OR UNION CONNECTIONS IN PIPING AT ALL EQUIPMENT AND CONTROL VALVES, AND AS REQUIRED FOR SERVICE.

EXACT LOCATION OF AIR DEVICES SHALL BE DETERMINED IN THE FIELD. COORDINATE WITH ARCHITECTURAL REQUIREMENTS AND LIGHTING. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL PLANS FOR LIGHT LOCATIONS. AIR DEVICE LOCATIONS SHALL BE INSTALLED WITH A UNIFORM APPEARANCE AND SHALL BE SYMMETRICAL.

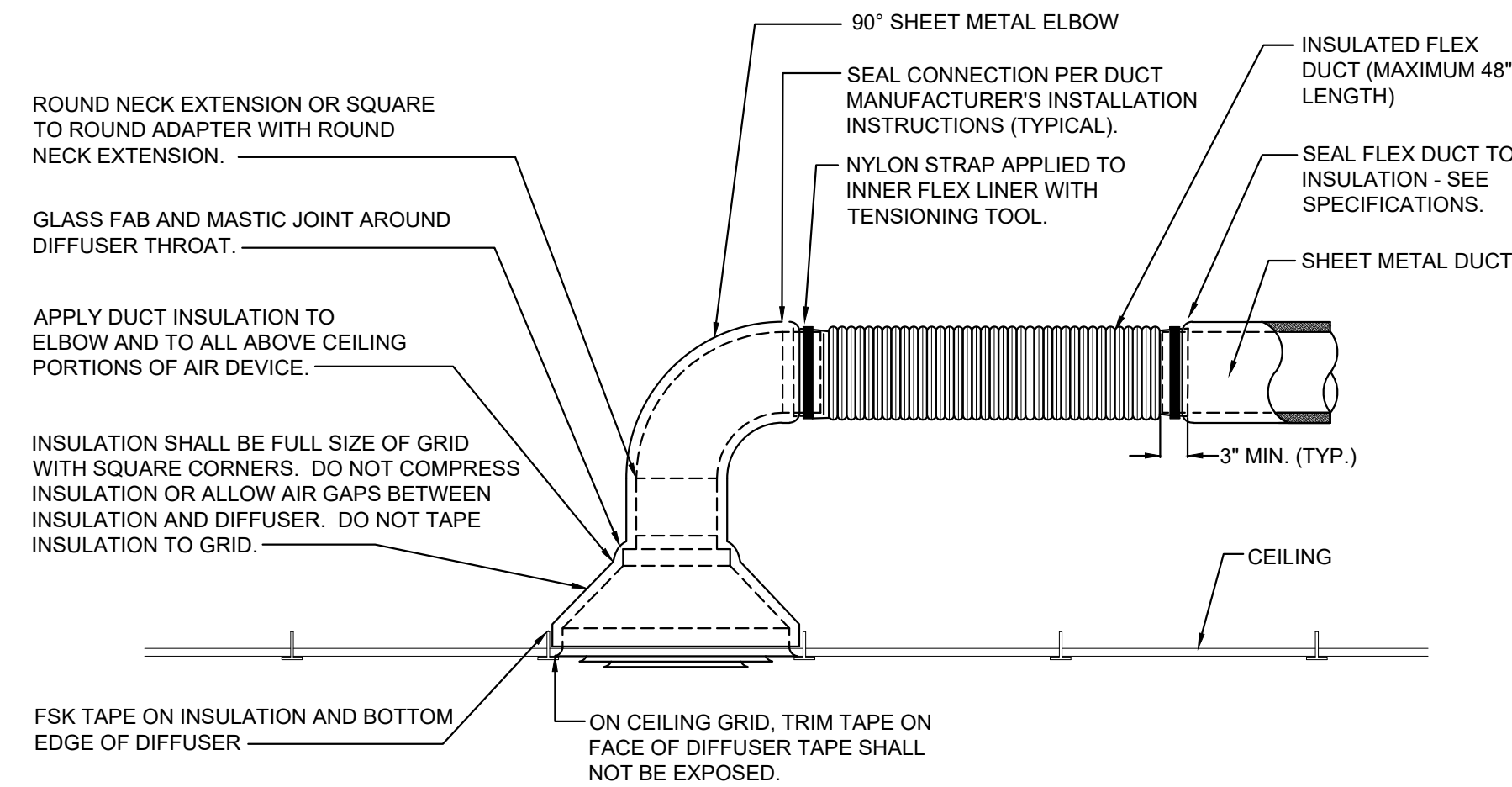
DUCT ACCESS DOORS SHALL BE FURNISHED AT ALL FIRE AND SMOKE DAMPERS, DUCT MOUNTED COILS, AND AT ALL DUCT MOUNTED CONTROL DEVICES.

SLOPE DRAIN LINE TOWARDS DRAIN WITH A MINIMUM SLOPE OF 1/4" PER FOOT.

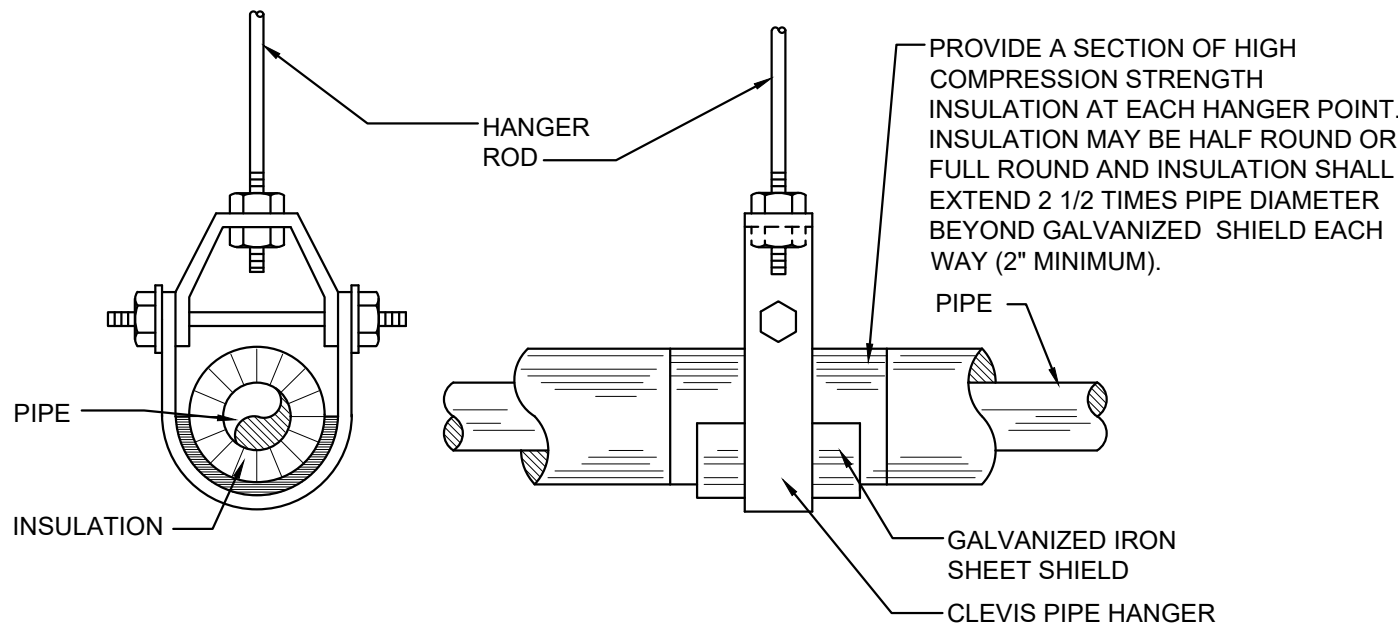
THERMOSTAT LOCATIONS SHALL BE A MINIMUM OF 8" AWAY FROM DOOR FRAMES. COORDINATE LOCATION OF THERMOSTATS WITH LIGHT SWITCHES AND OTHER WALL DEVICES FOR SYMMETRY. MOUNT AT 4'-0" A.F. UNLESS NOTED OTHERWISE.



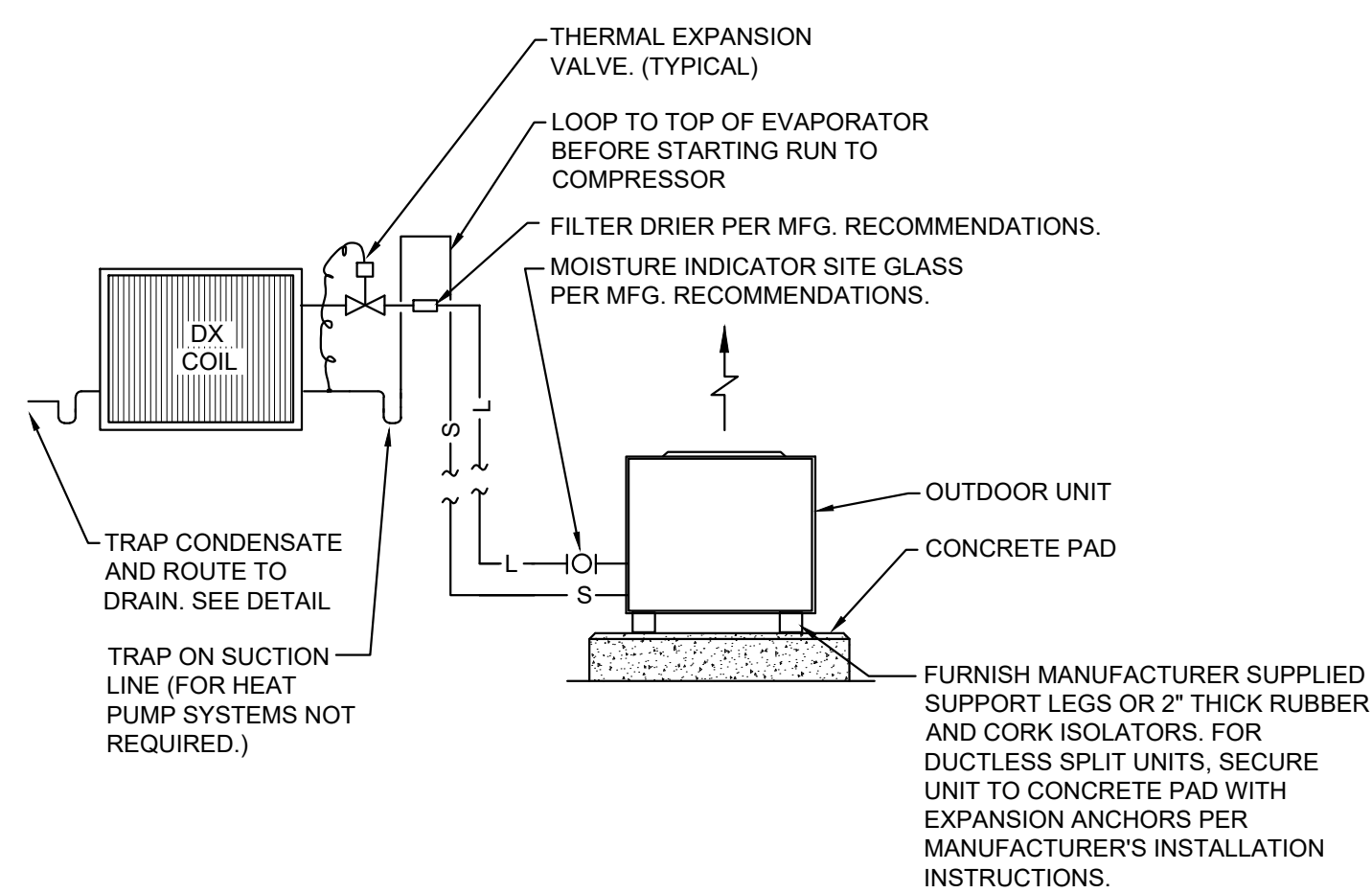
1 EXHAUST/RETURN GRILLE CONNECTION DETAILS
M3.0 SCALE: NONE



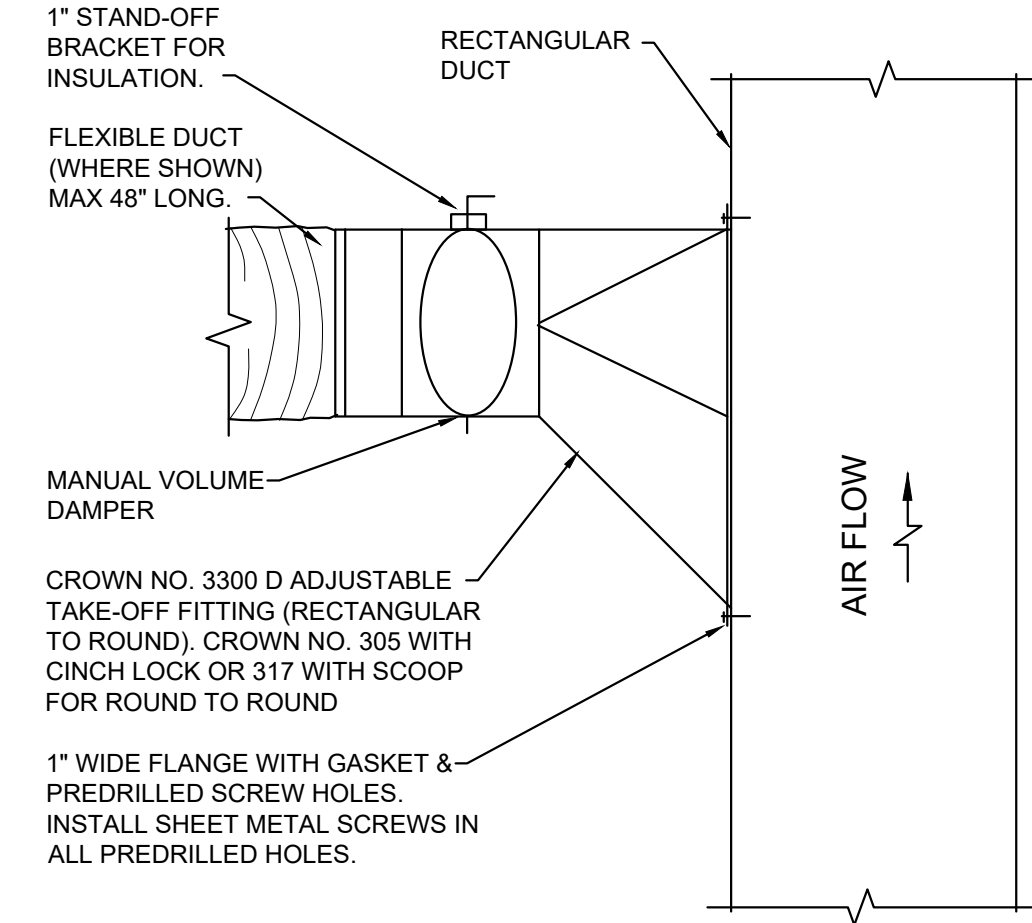
2 ROUND DUCT CONNECTION DETAIL
M3.0 SCALE: NONE



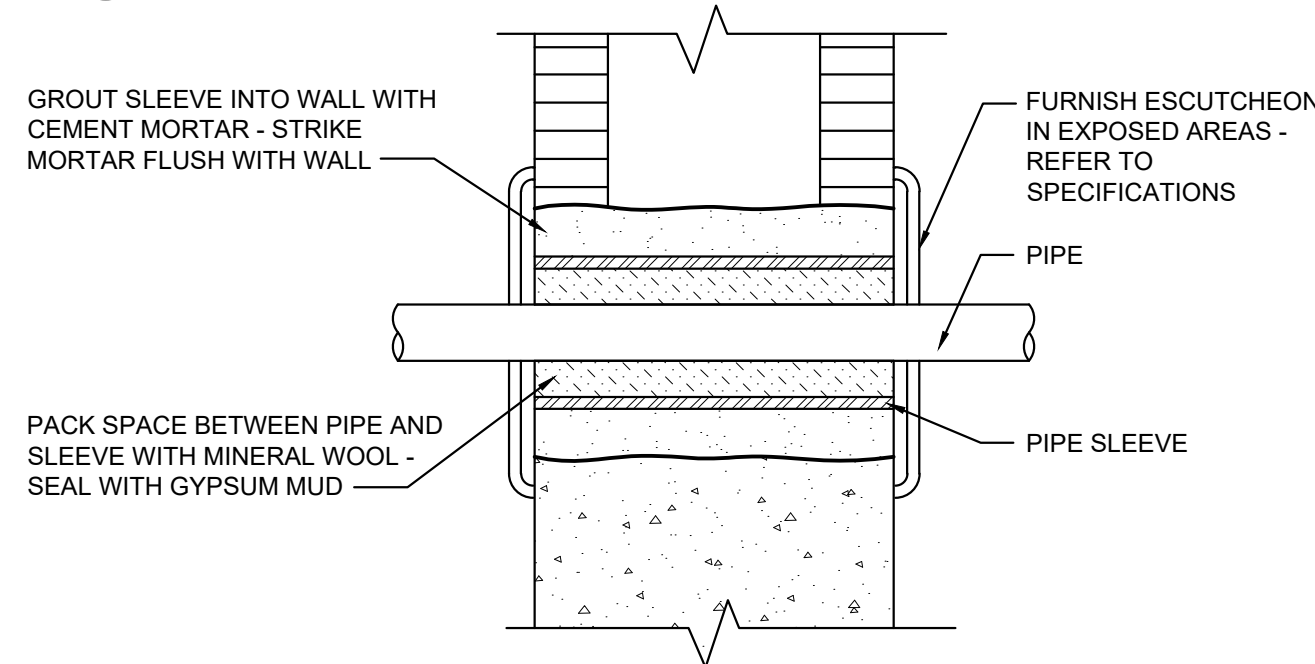
3 PIPE HANGER DETAILS
M3.0 SCALE: NONE



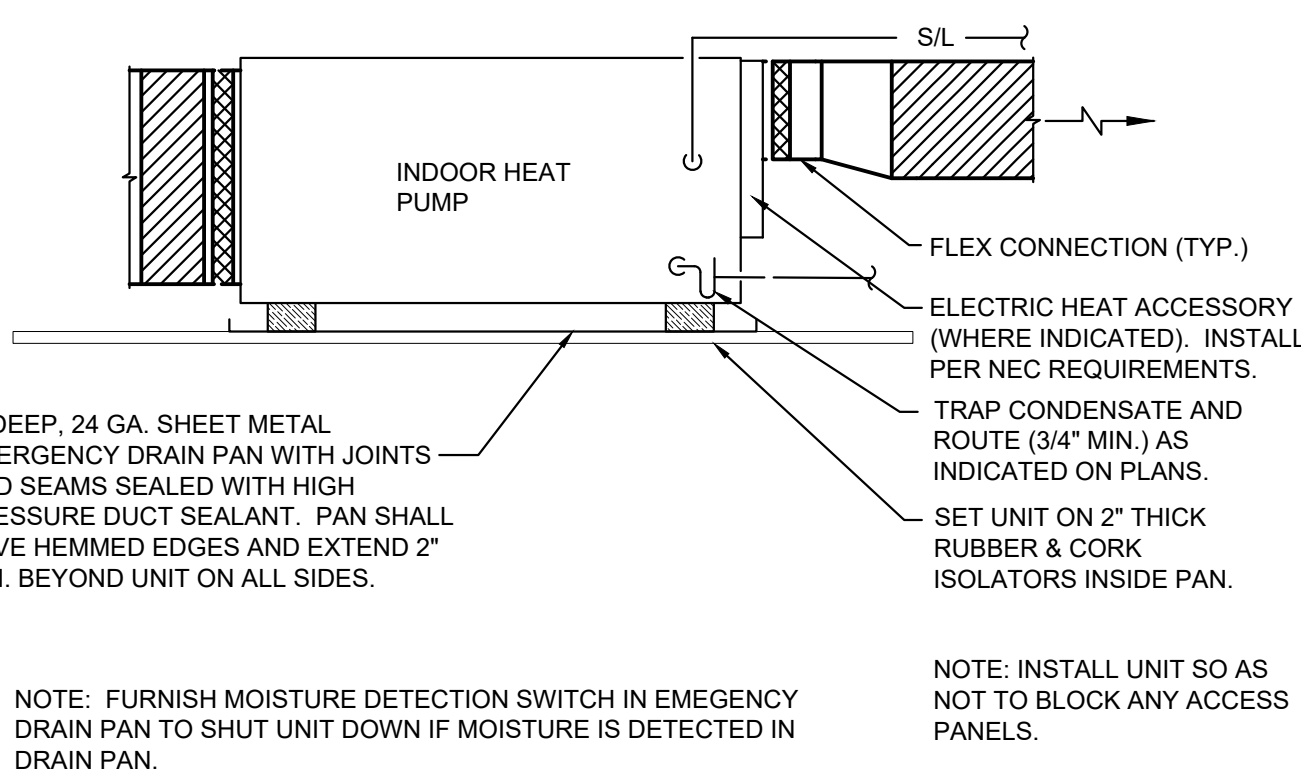
4 REFRIGERANT PIPING SCHEMATIC
M3.0 SCALE: NONE



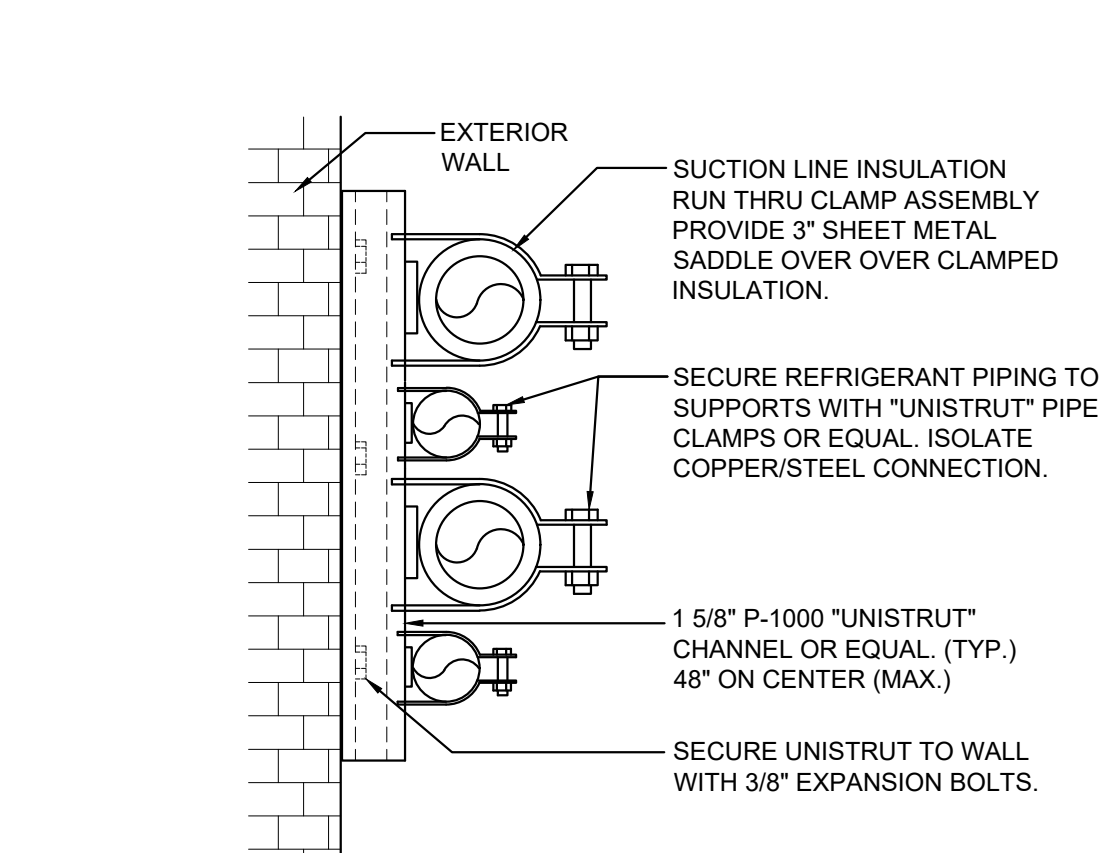
5 SUPPLY DUCT TAKEOFF FITTING DETAIL
M3.0 SCALE: NONE



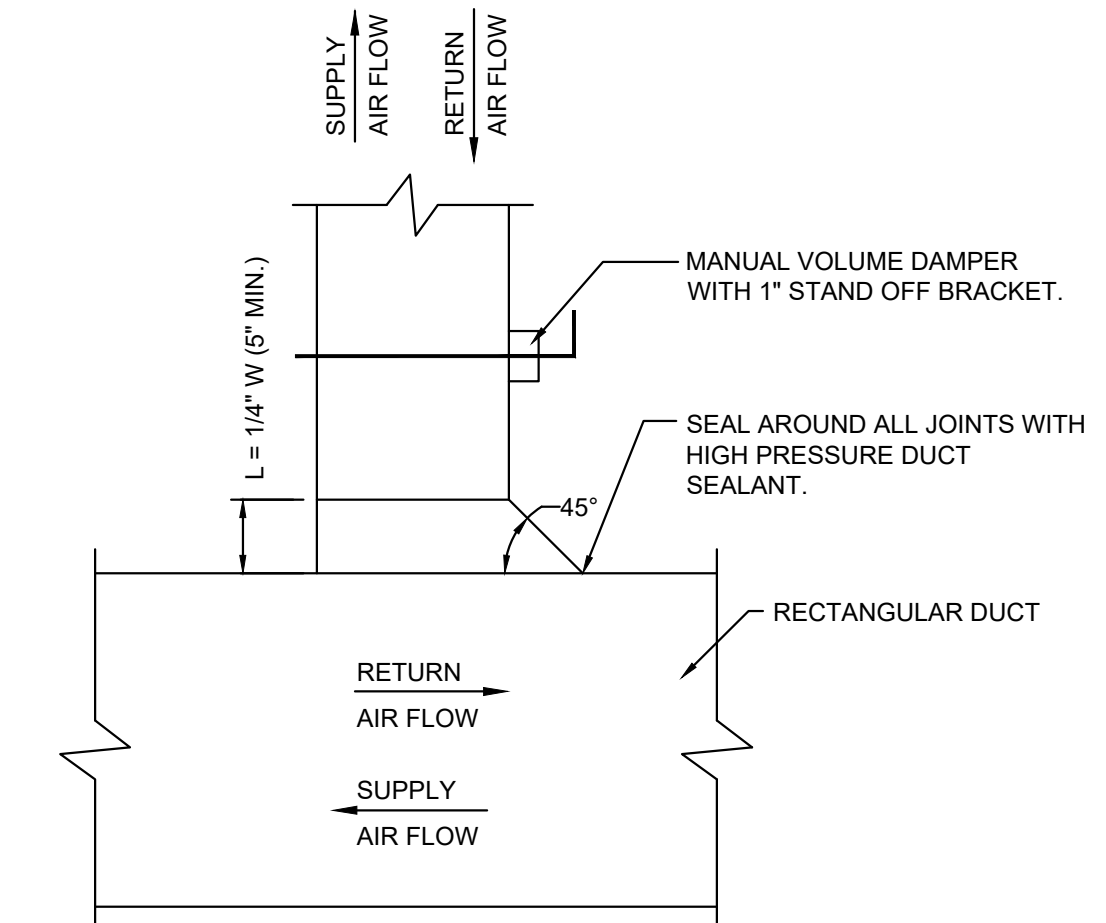
6 PIPE SLEEVE DETAIL
M3.0 SCALE: NONE



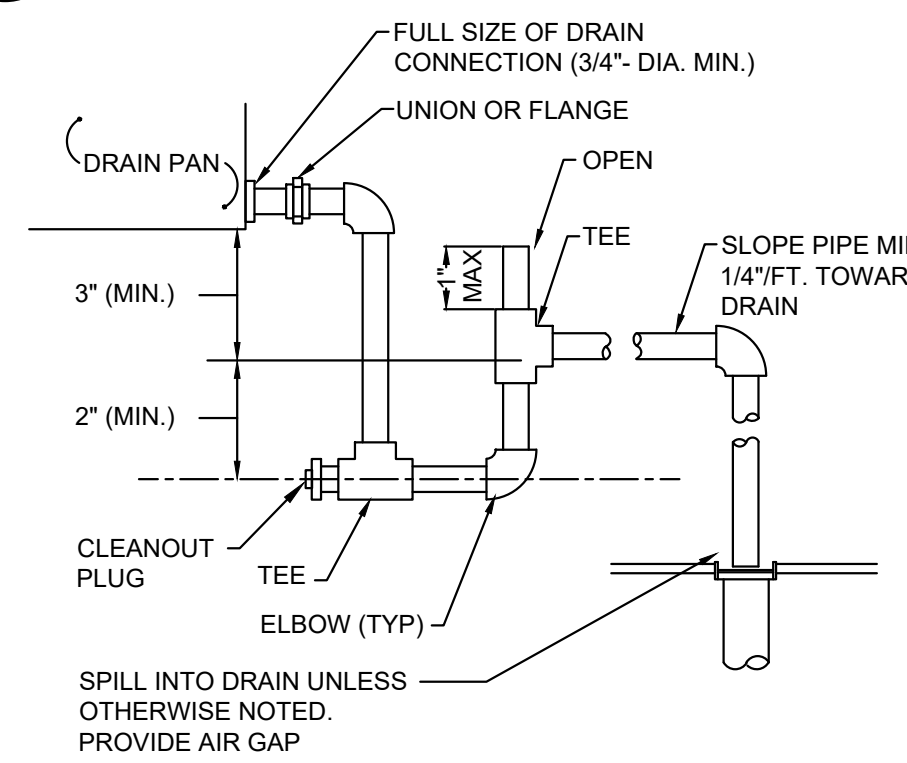
7 INDOOR HEAT PUMP DETAIL
M3.0 SCALE: NONE



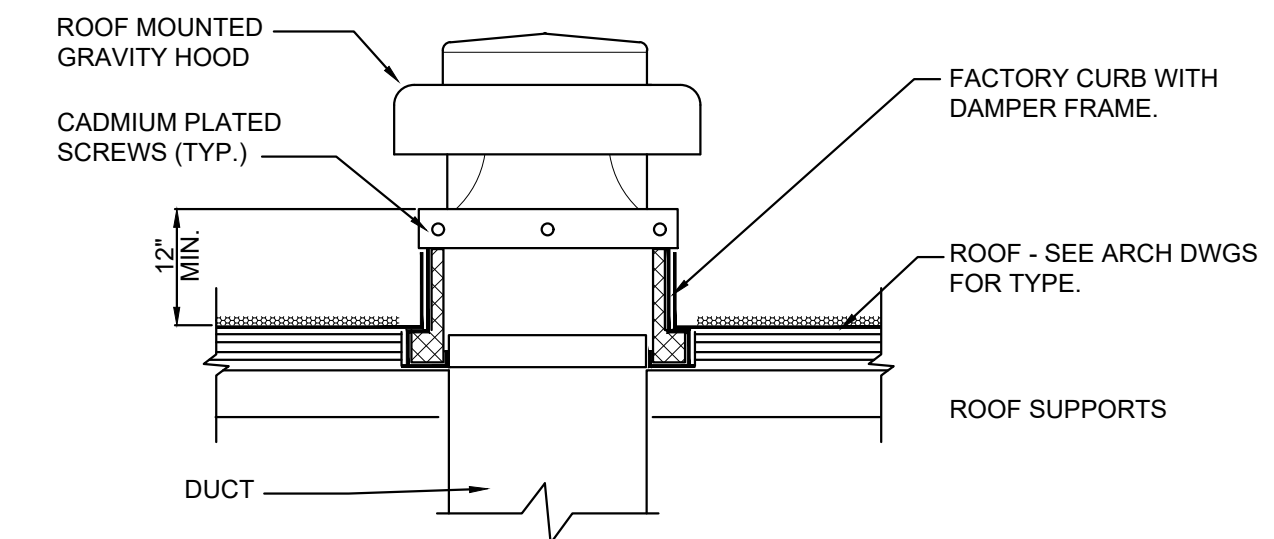
8 EXTERIOR PIPING WALL SUPPORT DETAIL
M3.0 SCALE: NONE



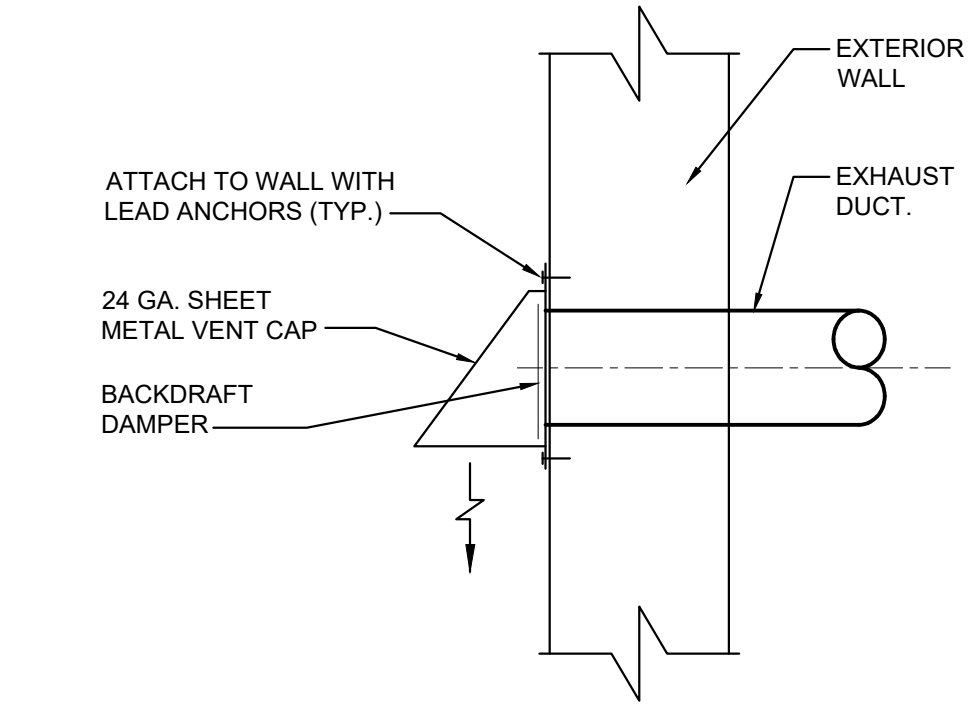
9 RECTANGULAR TAKE-OFF DETAIL FOR SUPPLY AND RETURN DUCTWORK
M3.0 SCALE: NONE



10 CONDENSATE DRAIN DETAIL
M3.0 SCALE: NONE



11 GRAVITY HOOD DETAIL
M3.0 SCALE: NONE



12 EXHAUST WALL CAP
M3.0 SCALE: NONE

H.V.A.C. LEGEND	
SYMBOL	DESCRIPTION
— S/L —	REFRIGERANT SUCTION / LIQUID
--- D ---	CONDENSATE DRAIN
Ⓧ	THERMOSTAT 4'-0" A.F.
Ⓢ	WALL SWITCH
[Symbol]	FLEXIBLE DUCT CONNECTION AT UNIT
[Symbol]	LINED DUCT (SIZE SHOWN IS METAL SIZE)
[Symbol]	FLEXIBLE DUCT CONNECTION
[Symbol]	SUPPLY DIFFUSER
[Symbol]	RETURN / EXHAUST GRILLE
[Symbol]	FIRE DAMPER
[Symbol]	SMOKE DETECTOR
[Symbol]	FIRE / SMOKE DAMPER
[Symbol]	ACCESS DOOR
[Symbol]	CEILING RADIATION DAMPER
[Symbol]	SQUARE ELBOW WITH TURNING VANES
[Symbol]	MVD MANUAL VOLUME DAMPER
[Symbol]	MOTOR OPERATED DAMPER
[Symbol]	SEE AIR DEVICE SCHEDULE FOR TYPE NECK CONNECTION SIZE UNLESS NOTED OTHERWISE
Ⓢ	C.F.M. CUBIC FEET PER MINUTE
(F-1)	EQUIPMENT NUMBER - SEE SCHEDULES
[Symbol]	AIRFLOW DIRECTION
∅	DIAMETER
[Symbol]	AIR EXTRACTOR
[Symbol]	OBD OPPOSED BLADE DAMPER
TYP.	TYPICAL
ENT.	ENTERING
LVG.	LEAVING
S.P.	STATIC PRESSURE
A.P.D.	AIR PRESSURE DROP
(NE)	NEW TO EXISTING
OA	OUTDOOR AIR



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GEORGIA 30458

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**RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458**

FOR CONSTRUCTION	
PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	MHW
APPROVED BY:	CAB
SCHEDULE OF REVISIONS	
#	DATE

HVAC NOTES, LEGEND, & DETAILS

M3.0



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INDOOR HEAT PUMP SCHEDULE															
ITEM	SUPPLY C.F.M.	EXT. S.P. (IN. W.C.)	O.A. C.F.M.	FAN HP.	DRIVE	COOLING CAP. BTUH (1)		AUX. HEAT (2)		ELECTRICAL DATA (5)				CARRIER MODEL NO.	NOTES
						SENSIBLE	TOTAL	K.W.	STGS.	VOLTAGE	PHASE	M.C.A.	M.O.C.P.		
HP-5	2400	0.5	285	2.4 BHP	DIRECT	54,800	69,800	15	1	208/230	3	48.0	50	40RUQA07	(3)(4)
HP-6	1800	0.5	180	3/4	DIRECT	42,010	53,430	9	1	208/230	3	32.0	35	FV4CNB006	(3)
HP-9	800	0.5	0	1/3	DIRECT	16,780	22,590	5	1	208/230	1	28.4	30	FB4CNP025	--
HP-10	800	0.5	100	1/3	DIRECT	16,780	22,590	5	1	208/230	1	28.4	30	FB4CNP025	--
HP-11	800	0.5	85	1/3	DIRECT	16,780	22,590	5	1	208/230	1	28.4	30	FB4CNP025	--

- RATINGS IN ACCORDANCE WITH A.R.I. STANDARD 240.
- HEATER SIZED AT 208 VOLT. COORDINATE WITH ELECTRICAL PLANS.
- FURNISH WITH 2 STAGE COOLING.
- INDOOR SUPPLY FAN WITH 2 SPEED VFD FAN CONTROLLER.
- ELECTRICAL DATA PROVIDED IS BASED ON EQUIPMENT SELECTED AS BASIS OF DESIGN. VERIFY ELECTRICAL REQUIREMENTS WITH ELECTRICAL PLANS AND/OR CONTRACTOR BEFORE ORDERING EQUIPMENT. NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ELECTRICAL DATA IF OTHER MANUFACTURERS ARE FURNISHED.

OUTDOOR HEAT PUMP SCHEDULE											
ITEM	COOLING CAPACITY (1) BTUH	SEER MIN.	HEATING CAP. M.B.H.(1)		C.O.P. (1)		ELECTRICAL DATA (3)			CARRIER MODEL NO.	
			HI	LO	HI	LO	VOLTAGE	PHASE	M.C.A.		M.O.C.P.
CU-5	69,800	13.8 IEER	40.28	--	3.3	-	208/230	3	48.0	50	38AUQE07 (2)
CU-6	53,430	16.0	39.03	--	3.72	2.76	208/230	1	37.5	60	25HCB660 (2)
CU-9	22,590	14.5	14.36	--	3.92	2.58	208/230	1	14.2	25	25HCE424
CU-10	22,590	14.5	14.36	--	3.92	2.58	208/230	1	14.2	25	25HCE424
CU-11	22,590	14.5	14.36	--	3.92	2.58	208/230	1	14.2	25	25HCE424

- RATINGS IN ACCORDANCE WITH A.R.I. STANDARD 240.
- FURNISH WITH 2 STAGE COOLING.
- ELECTRICAL DATA PROVIDED IS BASED ON EQUIPMENT SELECTED AS BASIS OF DESIGN. VERIFY ELECTRICAL REQUIREMENTS WITH ELECTRICAL PLANS AND/OR CONTRACTOR BEFORE ORDERING EQUIPMENT. NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ELECTRICAL DATA IF OTHER MANUFACTURERS ARE PROVIDED.

AIR DEVICE SCHEDULE						
MARK	TYPE	NECK SIZE (1)	FINISH	OPPOSED BLADE DAMPER	TITUS MODEL NUMBER	NOTES
A 6	SQUARE CEILING DIFFUSER	6"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 24"X24" FACE	(2)
A 8	SQUARE CEILING DIFFUSER	8"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 24"X24" FACE	(2)
A 10	SQUARE CEILING DIFFUSER	10"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 24"X24" FACE	(2)
A 12	SQUARE CEILING DIFFUSER	12"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 24"X24" FACE	(2)
A 14	SQUARE CEILING DIFFUSER	14"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 24"X24" FACE	(2)
B 6	SQUARE CEILING DIFFUSER	6"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 12"X12" FACE	(2)
B 8	SQUARE CEILING DIFFUSER	8"Ø	MANUFACTURERS STANDARD WHITE	YES	TMS / 12"X12" FACE	(2)
C	EGG CRATE RETURN / EXHAUST	10"X10"	MANUFACTURERS STANDARD WHITE	NO	50F / 12X12 PANEL WITH BORDER FRAME	(2)
D	EGG CRATE RETURN / EXHAUST	22"X22"	MANUFACTURERS STANDARD WHITE	NO	50F / 24X24 PANEL WITH BORDER FRAME	(2)
E	SIDE WALL SUPPLY REGISTER	SEE PLANS	MANUFACTURERS STANDARD WHITE	YES	300RS - DOUBLE DEFLECTION WITH 3/4" BLADE SPACING	
F	SIDE WALL RETURN GRILLE	SEE PLANS	MANUFACTURERS STANDARD WHITE	NO	355RL - 35" DEFLECTION WITH 1/2" BLADE SPACING	

- DUCT RUNOUT SHALL BE SAME SIZE AS NECK SIZE UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL PLANS FOR CEILING TYPE. FURNISH LAY-IN TYPE FOR T-BAR CEILINGS AND SURFACE TYPE FOR ALL OTHER CEILINGS.
- BLADES 14 GAUGE, FRAME 16 GAUGE HEAVY STEEL.

DDC SYSTEM POINTS LIST - SPLIT SYSTEM HEAT PUMPS											
POINT NAME	HARDWARE POINTS				SOFTWARE POINTS						SHOWN ON GRAPHIC
	ANALOG INPUT	ANALOG OUTPUT	BINARY INPUT	BINARY OUTPUT	ANALOG VALUE	BINARY VALUE	PID LOOP	SCHEDULE	TREND	ALARM	
ZONE TEMP	X								X		X
ZONE SETPOINT ADJUST	X										X
ZONE OVERRIDE			X						X		X
SMOKE DETECTOR (1)			X						X	X	X
FAN STATUS			X						X		X
FAN START/STOP				X					X		X
REVERSING VALVE				X					X		X
COMPRESSOR STAGE 1				X					X		X
COMPRESSOR STAGE 2 (1)				X					X		X
ELECTRIC HEAT			X						X		X
SCHEDULE							X				
HEATING SETPOINT									X		X
COOLING SETPOINT									X		X
HIGH ZONE TEMP										X	
LOW ZONE TEMP										X	
COMPRESSOR RUNTIME EXCEED											X
FAN FAILURE										X	
FAN IN HAND										X	
FAN RUNTIME EXCEEDED											X

(1) WHERE REQUIRED

H.V.A.C. SPECIFICATIONS

GENERAL:

- Entire system shall be installed to meet all applicable Local, State and National Codes, current requirements of NFPA, State of Georgia Heating and Air Conditioning Code and National Electric Code.
- HVAC Subcontractor shall have a current Class II Conditioned Air Contractors License for the state in which the project is being constructed.
- These specifications and all accompanying HVAC drawings are intended to provide for all labor, materials, and equipment necessary for the installation of a complete and functioning HVAC system.
- All equipment shall be installed in accordance with the manufacturer's written instructions. Installing contractor shall furnish fully functioning systems.
- The accompanying drawings are schematic only and are not intended to show all fittings, transitions, connections, offsets, etc. unless specifically shown. Install work as closely as possible to conform to the structural conditions, equipment, and work of other trades and the intent of the drawings, without addition cost to the owner.
- Drawings shall not be scaled. Refer to architectural drawings for dimensions. Refer to drawings of other trades and coordinate all equipment to be installed in accordance with manufacturer's installation instructions.
- Existing work is not necessarily indicated as shown on the plans. Contractor is responsible for verifying actual job site conditions prior to ordering equipment and fabricating duct. Any discrepancies found shall be reported to the Owner/Engineer.
- Furnish 3000 psi 6-inch-thick concrete pad for equipment where designated on the plan. Pads shall be reinforced with 6" x 6" 1010 wire and shall have chamfered edges. Concrete pads shall extend 6" beyond all sides of unit.
- All equipment shall be labeled with black plastic engraved equipment tags with minimum 1" lettering.
- Furnish Owner 3 bound copies of Operating and Maintenance Instructions on each piece of HVAC equipment at project closeout.
- Furnish formal training to familiarize the Owner in the operation and maintenance of all the HVAC Systems including controls.

SHOP DRAWINGS:

- Submit pdf set of Shop Drawings for approval of all HVAC equipment, accessories, insulation materials, and controls to be used on this project. Shop drawings shall be submitted before any materials or equipment incorporated in this work has been ordered. Shop drawings shall include the name and address of the manufacturer with items to be furnished and capacities and characteristics clearly marked.
- Contractor shall obtain written approval from the engineer/ architect for the use of substitute materials claimed as equal to those specified 10 days prior to the bid date.
- Equipment of greater or larger power, dimensions, capacities, and ratings may be furnished provided such proposed equipment is approved in writing and connecting mechanical and electrical services, circuit breakers, conduit, motors, bases, and equipment spaces are increased. No additional costs will be approved for these increases, if larger equipment is approved. If minimum energy ratings or efficiencies of the equipment are specified, the equipment must meet the design requirements and commissioning requirements.
- The equipment listed on the Drawings is considered basis of design equipment and has been used for the physical arrangement of the mechanical systems. When other equipment listed in the specifications as acceptable, equal or equipment which has received "prior approval" is used, it shall be the Contractor's responsibility to provide structural, ductwork, electrical, service clearances, or other changes required to accommodate the substituted equipment. Changes to use non basis of design equipment shall be made at no additional cost to the Owner. Submit a list of required changes along with all prior approval requests and shop drawing submittals.

- Approval of shop drawings and or submitted data shall not relieve the contractor of the responsibility to comply with the requirements and intent of the plans and specifications with regard to dimensions, capacities, quantities, performance characteristics, etc.

DEMOLITION

- General requirements: the work includes the demolition or removal of all construction identified on the drawings necessary to accomplish the work. The drawings define the scope of work but it is not intended that all items of demolition work be specifically indicated. After carefully reviewing the contract drawings and specifications to determine the intent, the contractor shall visit the site and determine the extent of the demolitions work required to properly complete the work under contract.
- Protection of material and work: before beginning any cutting or demolition work, the contractor shall carefully survey the existing work and examine the drawings and specifications to determine the extent of work required. The contractor shall take all necessary precautions to insure against damage to existing work to remain in place, to be reused or to remain the property of the owner. Any damage to such work shall be required to be replaced at no additional cost to the owner.

ELECTRICAL:

- All line and low voltage control wiring shall be furnished by the HVAC Contractor. Provide complete wiring diagrams and all switches, starters, controls, relays, etc. necessary for a complete system. Run all wiring in EMT raceways.
- Voltage and phase of mechanical equipment requiring power shall be designated by the Owner. Model numbers listed in mechanical equipment schedule shall not be construed to indicate electrical characteristics.
- Piping, equipment, and other mechanical installations shall not be located within 42" of the front or 36" of the side of any electrical switchboards, panelboards, power panels, motor control centers, electrical transformers or similar electrical equipment. Piping and ductwork shall not pass through or above electrical equipment rooms except as required to serve those rooms.

DUCTWORK:

- Low Pressure, Metal: Fabricate of galvanized steel as per SMACNA Manual for HVAC Duct Construction Standards, tables 1-3 through 1-19 including associated details. Use water based joint and seam sealant, resistant to UV light when cured, UL 723 listed, and complying with NFPA requirements for class 1 ducts to seal joints. Duct tape is not an acceptable product. Seal duct in accordance with ASHRAE standard 90.1.
- Low Pressure round duct shall be rated for 1 inch positive pressure per SMACNA (snap-lock ductwork is acceptable).
- Insulated flexible round duct: Shall be Flexmaster Type 3M or equal products by Thermoflex, Cleveflex or Atco. Reinforced with steel wire helix encapsulated in the inner liner with silver mylar, glass reinforced outer jacket. Rated for 10" wg. positive pressure. Minimum R value = 6.0. Met UL 181 Class 1 air duct requirements. Flexible duct shall not exceed 4 feet in length and shall be supported 3 feet maximum on center with 3" wide by 20 gauge galvanized hangers. Duct shall be secured to branch ducts and outlets with stainless steel worm drive strap or nylon self-locking strap around the inner liner only.
- All ductwork shall be supported in accordance with SMACNA Standards.

DUCT ACCESSORIES:

- Turning Vanes: Use single thick vanes in square elbows. Fabricate according to SMACNA HVAC Duct Construction Standards, Figures 2-2 through 2-7.
- Manual Dampers: For rectangular duct. Opposed blade, constructed with galvanized gauge steel blades and equal to SMACNA DCS Fig. 2-15. End of damper operating rod shall be square to accommodate damper operator. Manual dampers 12" or smaller in height may be single blade type equal to SMACNA DCS Fig 2-14 constructed of galvanized sheet metal.
- Round damper shall be SMACNA DCS Fig 2-14 with blade gauge as follows: 8" and smaller = 22 gauge, 9" - 12" = 20 gauge, 13" and larger = 18 gauge.
- Access Doors: As per SMACNA Fig. 2-12.
- Grille and register connections: As per SMACNA Fig. 2-16.
- Fire dampers shall be curtain type and dynamically rated, U.L. Classified for 1-1/2 or 3 hour (as indicated on architectural) fire resistance.

H.V.A.C. SPECIFICATIONS CONTINUED:

PIPING:

- Refrigerant piping shall be ACR nitrogen charged tubing with joints made with Sil-fos or equal high temperature (1200 degrees F.) brazing compound. Bleed dry nitrogen through piping during brazing process. After satisfactory leak test, piping and system shall be evacuated and charged in accordance with the manufacturer's printed instructions.
- Condensate drain piping: Type "L" drawn-temper copper tubing with soldered joints.

INSULATION:

- Ductwork: Insulate lined and unlined supply, outdoor air, and return ductwork within building envelope with 3/4 lb. 2" thick fiberglass blanket insulation with FSK jacket. (Use 3" insulation for duct outside of building envelope) Lap all joints 2" minimum, staple 4" o.c. and seal with vapor barrier adhesive reinforced with fiber glass mesh ("glas-fab"). Use Stik-clips 24" on center on bottom of 30" wide and larger ducts. Insulate top of all air device surfaces.
- Refrigerant Pipe: Insulate with 3/4" thick flexible elastomeric insulation. Seal all joints with adhesive. Slip whole sections of insulation on piping before pipe joints are made. Mitre all elbows. Paint outdoor insulation two coats of manufacturer's recommended coating.
- Duct Liner: 1 1/2 lbs. density, 1" thick with surface coated to prevent glass fibers from getting into airstream. Flame spread rating less than 25 and smoke spread rating less than 50. Adhere liner and cover entire surface with thick coat of adhesive that complies with NFPA 90A and ASTM C916. Fasten liner with weld pins 12" o.c. in accordance with SMACNA Duct Liner Application Standard.
- Air conditioning Condensate Piping: 3/8" flexible elastomeric insulation for interior applications.

HANGERS:

- Support pipe from structure above with Grinnell CT-99 hanger, all thread rod and Fig. 86 C-clamp. Provide supplementary steel for upper attachment. Hangers shall fit around insulated pipe and shall have 24-gauge galvanized sheet metal saddle.

TESTS:

- Refrigerant Piping: Pressure test with dry nitrogen to 200 psig in accordance with ASME B31.5, Chapter VI. Perform final tests at 27-psig vacuum and 200 psig using halide torch or electronic leak detector. Test to no leakage.
- Heat Pump Units: Record all motor and heater nameplate amps and running amps during Heating and Cooling cycle (below 60 degrees F. cooling). Complete manufacturer's installation and startup checks. Furnish startup sheets to owner at project closeout.
- Air Side: Record air quantities at supply outlets, return grilles, exhaust grilles, and outside air duct. All airflow quantities shall be balanced to be within + or - 10% of design air quantity. Test and balance shall be performed by an AABC certified agent. Submit reports on AABC forms to engineer to review.

SPLIT SYSTEM HEAT PUMP:

- Unit shall be of size, type and capacity as indicated on the Drawings and shall be manufactured by Trane. Equal units by Lennox or Carrier will be acceptable.
- The following accessories shall be furnished: Condenser Coil Guard, 5-minute Anti-Recycle Timer, Hard Start Kit for Single Phase Units, Crankcase Heater, Outdoor Thermostat for each Auxiliary Heat Stage, Defrost Thermostat for Indoor Coil, Low Ambient Controls, Outdoor air thermostat to prevent resistant heat from energizing above 45 degrees F.
- Auxiliary electric heaters shall be of size and capacity as indicated on the Drawings and meet the requirements of the National Electric Code and Underwriters Laboratories.

GRAVITY HOODS:

- Ventilator shall be stationary unit of type indicated on the drawings, all aluminum construction with curb base. Ventilator shall be provided with matching fabricated roof curb. Secure ventilator to roof curb with cadmium-plated steel screws, minimum of two on each side.

CONTROLS:

- Installation shall be in accordance with HVAC equipment manufacturer's wiring diagrams. Control components shall form a fully functional system.
- HVAC unit thermostats shall be manufacturer's standard electronic 7-day programmable model having an Off-Em-Ht.-Heat-Auto-Cool System switch and an Auto-On Fan switch. Provide multi-stage heating and cooling thermostat where controlled unit has multi-stage capability. Outdoor thermostat shall prevent strip heat from being energized above 45 degrees F. (Emergency heat position not required for non-heat pump unit.) Furnish unit with the following features: Override function, Proportional plus integral control, Automatic changeover, and Keypad lockout.
- Smoke detector shall be photoelectric type with weather-proof duct housing. Sampling tube shall extend full width of duct. Provide access door at smoke detector/damper.
- Sequence of Operation:

- Heat pump units: Units shall be controlled by DDC thermostats by Carrier I-VUE. The compressor, heat/cool reversing valve and supply fan shall energize in heating or cooling mode as required to satisfy the thermostat set point. When the compressor is unable to meet the heating requirements, the auxiliary strip heat shall energize. When outdoor air temperature is above 45°F (adjustable), resistance heat shall not be energized. Occupied and unoccupied set points shall be coordinated with the owner.

- Fans: Refer to fan schedule. Where fans are indicated to be interlocked with the room lights furnish starters/contactors as required for control operation.

- In systems with air handling capacity above 2,000 CFM and up to and including 15,000 CFM and all units serving egress corridors, the smoke detector mounted in the unit or main supply ductwork shall, when sensing smoke, shut down the Air Handling Unit. The smoke detectors shall be connected to the fire alarm system. The actuation of smoke detector shall activate a visible and supervisory signal at a constantly attended location. Where an outdoor condensing unit or heat pump is used it shall shut down those components.

- Smoke detectors and duct housings shall be provided by Electrical. Detectors shall be compatible with fire alarm system and shall be approved by the Owner. Detectors and duct housings used to activate smoke dampers and shut down air handlers shall be mounted by mechanical. Detectors shall be mounted in accordance with NFPA 72. Sampling tubes shall extend full width of duct. Provide access door at smoke detector. Test/reset switches for detectors are furnished and installed by electrical.



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RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: MHW
APPROVED BY: CAB

SCHEDULE OF REVISIONS

#	DATE

HVAC SCHEDULES & SPECIFICATIONS

M4.0



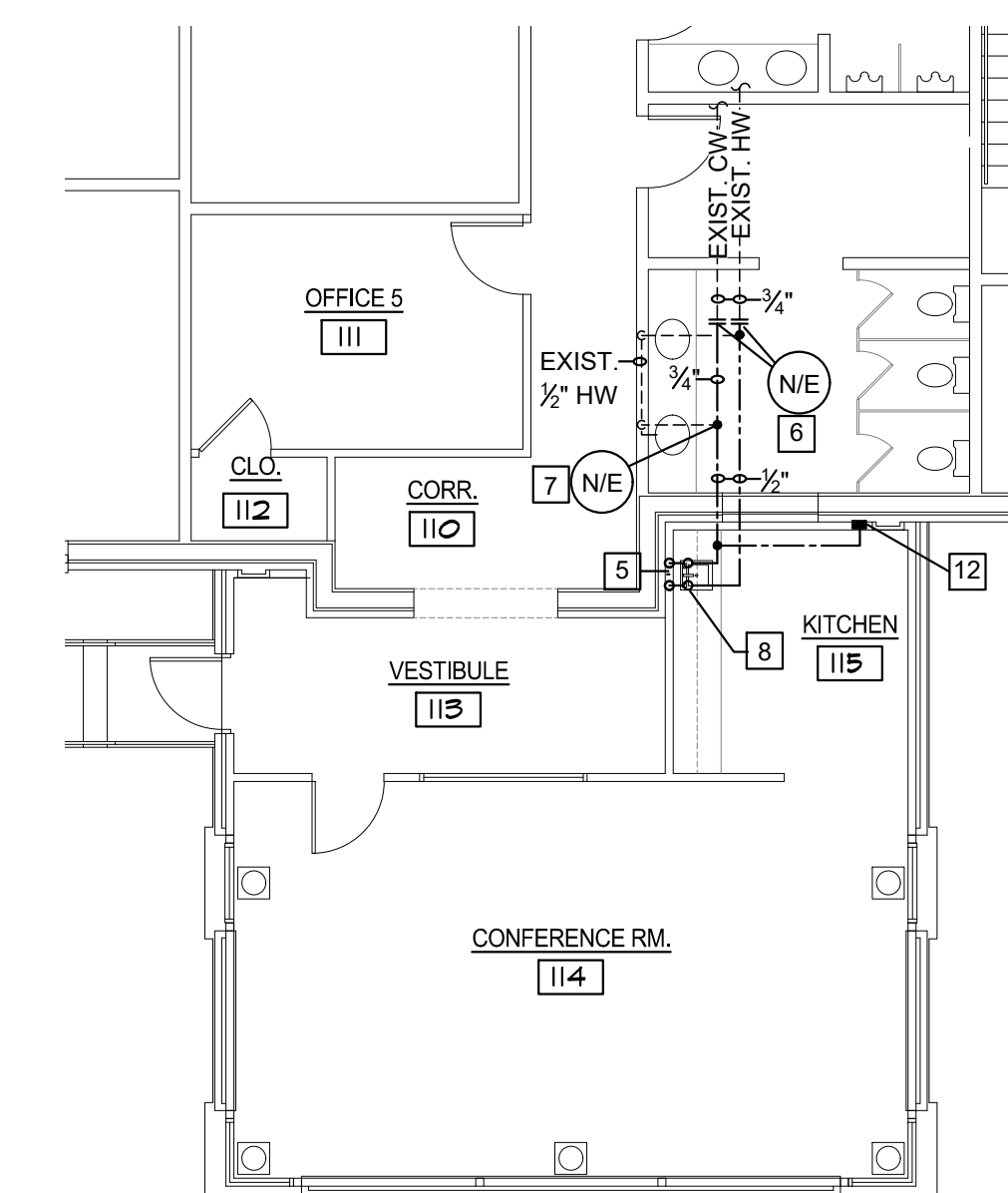
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**RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458**

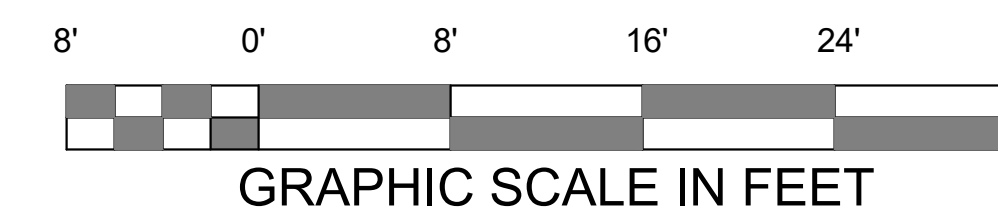
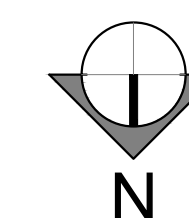
CONSTRUCTION KEY NOTES - THIS SHEET

- 1 EXISTING FIXTURE TO REMAIN. VERIFY OPERATIONS AND CLEAN FIXTURE. REPLACE TRIM IF NECESSARY FOR PROPER OPERATIONS IF REQUIRED.
- 2 2"W, 2"V
- 3 EXTEND NEW 2" WASTE THRU WALL AND PROVIDE LONG SWEEP FOR CONNECTION TO EXISTING WASTE RISER IN BASEMENT. VERIFY EXACT LOCATION. SLEEVE WALL PER DETAILS AND IPC.
- 4 CONNECT NEW 2"V TO EXISTING 4" VTR. VERIFY LOCATION OF EXISTING VTR BEFORE WORK.
- 5 1/2" CW, HW UP TO SINK.
- 6 CONNECT NEW 3/4" CW, HW TO EXISTING 3/4" CW, HW. VERIFY LOCATION AND SIZE OF EXISTING WATER PIPING BEFORE WORK.
- 7 REPLACE EXISTING 1/2" CW WITH 3/4" CW TO THIS POINT. CONNECT EXISTING 1/2" CW SERVING LAVATORY TO NEW 3/4" CW. VERIFY LOCATION AND SIZE OF EXISTING WATER PIPING BEFORE WORK.
- 8 INDICATES NEW SHOCK ABSORBER (SA) "X". UNLESS NOTED ON DRAWINGS, SIZE SHALL BE "A". PROVIDE BALL VALVE ON CONNECTION TO SA. SEE DETAIL 4/P2.0.
- 9 REMOVE EXISTING WATER COOLER. INSTALL NEW WATER COOLER AND RECONNECT TO EXISTING WASTE AND WATER PIPING. PATCH WALL FOR ANY CONSTRUCTION REPAIR REQUIRED FOR INSTALLATION.
- 10 EXISTING SANITARY SEWER TO REMAIN IN SERVICE. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED DURING NEW CONSTRUCTION.
- 12 1/2" UP TO ICE MAKER BOX



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

1 WASTE & VENT PIPING PLAN
P1.0 SCALE: 1/8" = 1' - 0"



FOR CONSTRUCTION	
PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	BAW
APPROVED BY:	CAB
SCHEDULE OF REVISIONS	
#	DATE

PLUMBING
PLANS
P1.0

PLUMBING SPECIFICATIONS:

GENERAL:

- A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS APPLY TO THIS SECTION
- B. PLUMBING WORK SHALL BE PERFORMED AS OUTLINED BELOW
- C. THESE SPECIFICATIONS AND ACCOMPANYING PLUMBING DRAWINGS ARE INTENDED TO PROVIDE FOR ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION COMPLETE OF ALL:
 - 1. PLUMBING FIXTURES
 - 2. EQUIPMENT
 - 3. ROUGH-INS
 - 4. WASTE VENT SYSTEMS
 - 5. COLD WATER SYSTEMS
 - 6. HOT WATER SYSTEMS

AND ACCESSORIES INCLUDING NECESSARY APPARATUS, VALVES AND FITTINGS HEREINAFTER DESCRIBED OR CALLED FOR ON THE PLUMBING DRAWINGS ACCORDING TO THESE SPECIFICATIONS. WHERE CONFLICTS ARISE BETWEEN ARCHITECTURAL DRAWINGS AND PLUMBING DRAWINGS, CONTRACTOR SHALL COORDINATE CORRECT CONFIGURATION AND ADJUST AS NECESSARY FOR COMPLIANT INSTALLATION.

D. ALL PLUMBING WORK SHALL BE INSTALLED WITH IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE LATEST ADDITION OR IN COMPLIANCE WITH AUTHORITY HAVING JURISDICTION REQUIREMENTS.

E. THE CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS AND INSPECTION FEES NECESSARY FOR THIS WORK.

F. THE ACCOMPANYING DRAWINGS ARE SCHEMATIC ONLY AND ARE NOT INTENDED TO SHOW ALL FITTINGS, BOLTS, CONNECTIONS, OFFSETS, ETC., UNLESS SPECIFICALLY SHOWN. FOLLOW DRAWINGS AS CLOSELY AS POSSIBLE. PROVIDE ALL ADJUSTMENTS AS NECESSARY TO CONFORM TO THE STRUCTURAL CONDITIONS, EQUIPMENT, WORK OF OTHER TRADES AND THE INTENT OF THE DRAWINGS, WITHOUT COST TO THE OWNER. PLUMBING DRAWINGS SHOULD NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO DRAWINGS OF OTHER TRADES AND COORDINATE. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE INSTALLATION INSTRUCTIONS.

SCOPE OF WORK:

A. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL OF THE FOLLOWING WORK IN GENERAL AND PROVIDING A COMPLETE PLUMBING SYSTEM AS SHOWN ON THE PLANS. THE ITEMS IN GENERAL ARE TO BE AS FOLLOWS:

- 1. FURNISH AND INSTALL HOT WATER SYSTEM AS SHOWN ON THE PLUMBING DRAWINGS AND HERE-IN SPECIFIED.
- 2. FURNISH AND INSTALL COLD WATER SYSTEM AS SHOWN ON THE PLUMBING DRAWINGS AND HERE-IN SPECIFIED.

CONNECTION TO EXISTING UTILITIES:

A. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHALL NOT BE DETERMINED TO BE EXACT CONNECTION LOCATIONS. CONTRACTOR MUST VERIFY EXACT LOCATIONS, SIZES, INVERTS, AND CONDITION OF EXISTING UTILITIES PRIOR TO CONNECTIONS. FAILURE TO ACCURATELY LOCATE AND IDENTIFY EXISTING UTILITIES SHALL NOT INCUR ADDITIONAL COST FOR REPAIRS OR RECONNECTIONS OF NEW TO EXISTING UTILITIES.

LIST OF MATERIALS, FIXTURES, AND EQUIPMENT:

A. THE PLUMBING CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER/ ARCHITECT FOR THE USE OF SUBSTITUTE MATERIALS CLAIMED AS EQUAL TO THOSE SPECIFIED. SUCH APPROVAL MUST BE OBTAINED AS SOON AFTER CONTRACT AWARDS AS POSSIBLE AND BEFORE ANY MATERIALS ARE ORDERED. APPLICATIONS FOR APPROVAL SHALL BE MADE BY THE PLUMBING CONTRACTOR ONLY AND NO OTHER APPLICATIONS SHALL BE ACCEPTED. THE PLUMBING CONTRACTOR SHALL SUBMIT FOR APPROVAL WITHIN TEN (10) DAYS FOLLOWING AWARD OF CONTRACT AND WRITTEN NOTICE TO BEGIN THE WORK A COMPLETE LIST OF MATERIALS PROPOSED FOR THE JOB. ALL LIKE ITEMS SHALL BE BY THE SAME MANUFACTURER. NO FURTHER SUBSTITUTIONS SHALL BE ACCEPTED AFTER APPROVED BY ENGINEER / ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL COST ASSOCIATED WITH INSTALLATION OF UNAPPROVED FIXTURES AND REMOVAL AND REPLACEMENT OF SUCH AT NO COST TO OWNER.

B. THE PLUMBING CONTRACTOR SHALL SUBMIT SIX (6) SETS OF SHOP DRAWINGS TO THE ARCHITECTS WITHIN 20 DAYS AFTER AWARD OF THE CONTRACT, AND BEFORE ANY MATERIALS, FIXTURES, AND EQUIPMENT TO BE INCORPORATED IN THE WORK HAS BEEN ORDERED. SHOP DRAWINGS SHALL INCLUDE THE NAME AND ADDRESS OF THE MANUFACTURER AND THEIR CATALOG NUMBERS AND TRADE NAMES CLEARLY MARKED. ALL ITEMS SHALL BE REFERENCED TO THE PLANS AND SPECIFICATIONS BY FIXTURE NUMBER. SUBMIT SHOP DRAWINGS AND / OR CATALOG DATA FOR THE FOLLOWING:

- 1. WASTE PIPING, FITTINGS AND COUPLINGS
- 2. WATER PIPING, FITTINGS AND EQUIPMENT
- 3. PIPING INSULATION
- 4. HANGER SUPPORTS AND HANGERS
- 5. FIXTURES

C. APPROVAL OF SHOP DRAWINGS AND / OR SUBMITTED DATA SHALL NOT RELIEVE THE PLUMBING CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS AND INTENT OF THE PLANS AND SPECIFICATIONS WITH REGARD TO DIMENSIONS, CAPACITIES, QUALITY, QUANTITY, PERFORMANCE CHARACTERISTICS, ETC. IF DATA SUBMITTED DEVIATES FROM THE CONTRACT DOCUMENTS, THE PLUMBING CONTRACTOR SHALL POINT OUT SUCH DEVIATIONS IN WRITING AND ALSO STATE REASONS FOR SAME. ALL SIMILAR ITEMS SHALL BE OF ONE MANUFACTURER.

FIXTURES:

1. WATER CLOSETS, URINALS, LAVATORIES, SINKS, MOP SINKS, FLUSH VALVES, AND FAUCETS SHALL BE ALL ONE MANUFACTURER AND SHALL BE EQUALS OF AMERICAN STANDARD, KOHLER, SLOAN, ZURN, SYMMONS, ELKAY, DAYTON. ENGINEERING APPROVAL FOR OTHERS NOT LISTED SHALL BE REQUIRED.

WORKMANSHIP:

A. LAYOUT:

- 1. DRAWINGS INDICATE GENERAL LOCATIONS OF FIXTURES. EXACT LOCATIONS SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS.
- 2. FURNISH AND INSTALL ALL NECESSARY SLEEVES, INSERTS, BOLTS, ETC., FOR CONCRETE FLOOR SLABS, ROOF, WALLS, AND PARTITIONS. FAILURE TO INSTALL SUCH ITEMS IN TIME TO AVOID DELAYING THE GENERAL CONTRACTOR SHALL RESULT IN THE CONTRACTOR DOING ANY NECESSARY CUTTING AND REPAIRING AT HIS EXPENSE.
- 3. SLEEVES AS HERE-IN-AFTER SPECIFIED SHALL BE INSTALLED ON ALL THROUGH THE FLOOR PIPING ABOVE SLAB ON GRADE EXCEPT WATER CLOSET ROUGH-INS. WATER CLOSET ROUGH-INS SHALL BE CAST IN PLACE. CORE DRILLING OF SLABS SHALL BE SEALED WITH APPROVED FIRE RETARDANT CAULKING AND SEALED WATERTIGHT.
- 4. ALL FIXTURES AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- B. DRAINAGE, WASTE, AND VENT PIPING:
 - 1. SLOPE ALL LINES 2" AND SMALLER AT 1/4" / FOOT
 - 2. SLOPE ALL LINES 3" AND LARGER AT 1/8" / FOOT
 - 3. RUN ALL PIPING AS DIRECTLY AS POSSIBLE, AVOIDING UNNECESSARY BENDS AND BENDS AND TURNS SO AS NOT TO INTERFERE WITH PROPER INSTALLATION.
 - 4. TAPPED TEES AND CROSSES WILL NOT BE PERMITTED. TAPPED SANITARY TEES AND CROSSES SHALL BE USED.
- C. WATER SYSTEM:
 - 1. CONCEAL WATER SUPPLY IN WALLS, BELOW FLOOR OR ABOVE CEILING EXCEPT WHERE EXPOSED FOR CONNECTIONS TO FIXTURES.
 - 2. ALL WATER PIPING SHALL BE ROUTED WITH A MINIMUM CLEARANCE OF TEN (10) FEET FROM ANY ELECTRICAL SWITCHBOARDS, PANEL BOARDS OR TELEPHONE BACKBOARDS.
 - 3. ALL SUPPLY TO FIXTURES SHALL HAVE INDIVIDUAL STOP VALVES
 - 4. PROVIDE WATER HAMMER SHOCK ARRESTORS (PD) AS REQUIRED OR AS SHOWN TO PREVENT WATER HAMMER. ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND AS DETAILED ON CONTRACT DRAWINGS. MANUFACTURERS OF URN, JOAN, J.R. SMITH SHALL BE ACCEPTABLE. PROVIDE 12" X 12" ACCESS DOORS FOR ALL SHOCK ARRESTORS INSTALLED ABOVE HARD CEILINGS.
 - 5. ALL EXPOSED PIPING TO FIXTURES SHALL BE CHROME PLATED.
 - 6. INSULATE ALL WATER PIPING INSIDE BUILDING AND HEREINAFTER SPECIFIED.

CUTTING, PATCHING, AND CHASING:

A. ALL CUTTING AND PATCHING SHALL BE UNDER GENERAL CONDITIONS OF THE ARCHITECTURAL SPECIFICATIONS. PLUMBING CONTRACTOR SHALL CUT ALL FLOORS NECESSARY TO INSTALL ALL PIPING AND SHALL REPAIR FLOOR TO MATCH THAT OF EXISTING.

WASTE AND VENT SYSTEMS:

- A. PIPING:
 - 4. WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC-DWV SOLID WALL PIPING CONFORMING TO ASTM D-2665-88 AND C.S. 272-65 WITH NS SEAL. NO FOAM CORE PIPING WILL BE ACCEPTABLE.
 - 5. WASTE PIPING SLEEVES SHALL BE SCHEDULE 40 PVC-DWV OR CAST IRON SOLID WALL AS IDENTIFIED AS ABOVE BUT SHALL BE ONE PIPE DIAMETER LARGER FILLED WITH FORETOP MATERIAL FOR FIRE WALLS.
- B. FITTINGS:
 - 1. FITTINGS FOR PVC-DWV PIPING SHALL BE PVC-DWV FITTINGS CONFORMING TO PIPING SPECIFICATIONS LISTED ABOVE.
- C. JOINTS:
 - 1. JOINTS FOR PVC-DWV PIPING SHALL BE MADE USING PIPING MANUFACTURERS APPROVED SOLVENT CEMENT.
 - 2. ANY FLASHING OF PLUMBING VENTS IF USED SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND SHALL BE COORDINATED WITH SUCH.

HOT AND COLD WATER SYSTEMS

- A. WATER PIPING:
 - 1. WATER PIPING 4" AND SMALLER ABOVE GRADE INSIDE BUILDING SHALL BE TYPE "L" HARD COPPER CONFORMING ASTM B-88
- B. FITTINGS:
 - 1. FITTINGS FOR COPPER PIPING SHALL BE WROUGHT COPPER, SOLDER JOINT FITTINGS CONFORMING TO ANSI B 16.22
- C. JOINTS:
 - 1. ALL COPPER PIPING JOINTS, 1 1/4" AND SMALLER SHALL BE MADE USING LEAD FREE SOLDER WITH A MINIMUM MELTING POINT OF 410 DEGREES FAHRENHEIT.

PIPE INSULATION:

- A. ALL PLUMBING PIPE INSULATION SYSTEMS, INCLUDING JACKETING, COVERINGS, ADHESIVES WHEN USED, SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING TWENTY-FIVE (25) AND A SMOKE DEVELOPMENT RATING NOT EXCEEDING FIFTY (50) WHEN THE INSULATION ASSEMBLY IS TESTED AS COMPOSITE.
 - 1. INSULATE ALL COLD AND HOT WATER PIPING IN ACCORDANCE WITH IECC 2015 ADDITION
 - 2. COLD WATER PIPING: INSULATION SHALL BE 1/2" FOR PIPING BELOW 1 1/2" DIAMETER AND 1 1/2" FOR PIPING ABOVE 1 1/2" DIAMETER
 - 2. HOT WATER PIPING: INSULATION SHALL BE: 1" FOR PIPING BELOW 1 1/2" DIAMETER, AND 1 1/2" FOR PIPING ABOVE 1 1/2" DIAMETER
 - 3. ALL PIPE INSULATION FOR PIPE FITTINGS SHALL BE PRE-MOLDED TO FIT FITTINGS AND SHALL BE ENCLOSED UNDER PRE-MOLDED PVC FITTING JACKET.

HANGERS:

- A. HANGERS FOR HORIZONTAL PIPING SHALL BE CLEVIS TYPE AND SHALL BE MANUFACTURED BY MODERN, ANVIL OR ENGINEERING APPROVED EQUAL.
 - PIPE SIZE 1 1/2" AND SMALLER 6'-0" O.C. 2" AND LARGER 10'-0"
- B. HANGERS FOR INSULATED PIPING SHALL EXTEND AROUND INSULATION. PROVIDE 16 GAGE GALVANIZED STEEL INSULATION PROTECTION SADDLES 12" LONG AT EACH HANGER ON ALL INSULATED LINES.
 - PIPE SIZE 1 1/2" AND SMALLER 6'-0" O.C. 2" AND LARGER 10'-0"

C. A HANGER SHALL BE PROVIDED WITHIN ONE (1) FOOT OF EACH BEND IN HORIZONTAL PIPING. VERTICAL PIPING SHALL BE SUPPORTED AT EACH FLOOR OR AT INTERVALS NOT EXCEEDING TEN (10) FEET.

D. HANGERS SHALL BE FASTENED BY MEANS OF THREADED RODS TO STEEL BEAM CLAMPS, CENTER OF BAR JOIST, CENTER OF TRUSSES, ETC. ALL HANGERS SHALL PERMIT ADEQUATE ADJUSTMENT AFTER ERECTION WHILE STILL SUPPORTING THE LOAD.

PROTECTION OF WORK AND EQUIPMENT:

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK DAMAGED DURING CONSTRUCTION. ANY PLUMBING WORK DAMAGED BY ANY OTHER CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AND IN PERFECT WORKING CONDITION WITHOUT EXTRA COST TO THE OWNER. ALL FIXTURES AND FITTINGS SHALL BE ADEQUATELY PROTECTED BEFORE, DURING AND AFTER INSTALLATION.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLUMBING FIXTURE CONDITIONS AT TIME OF FINAL INSPECTION. ANY BROKEN FIXTURES WILL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER REGARDLESS OF BY WHOM THE FIXTURE WAS BROKEN.

TESTING:

- A. THE CONTRACTOR SHALL NOTIFY ENGINEER TWENTY FOUR (24) HOURS IN ADVANCE OF ALL THE CONTRACTOR SHALL MAKE ALL NECESSARY PRELIMINARY TEST TO INSURE A TIGHT SYSTEM. ANY JOINTS FOUND TO LEAK UNDER PRESSURE SHALL BE CLEANED AND REMADE.
- B. ALL SANITARY WASTE, AND VENT PIPING SHALL BE TESTED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE (IPC) REQUIREMENTS.
- C. ALL WATER PIPING HOT AND COLD SHALL BE TESTED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE (IPC) REQUIREMENTS.
- D. CONTRACTOR SHALL FURNISH ALL EQUIPMENT NECESSARY TO PERFORM TEST IN ACCORDANCE WITH CODE REQUIREMENTS.

PLACING IN SERVICE:

- A. UPON COMPLETION OF THE ENTIRE SYSTEM INSTALLATION, THE ENTIRE SYSTEM AND EQUIPMENT SHALL BE TESTED BY ACTUAL OPERATIONS TO PROVIDE THAT ALL FIXTURES OPERATE AS INTENDED.
- B. THE CONTRACTOR SHALL FLUSH ALL WASTE PIPING PRIOR TO FINAL CONNECTION TO EXISTING SYSTEM, TO ENSURE THAT NO FOREIGN MATERIALS ARE IN THE LINES, AND CONTINUOUS FLOW OF WATER AND WASTE CAN BE AFFECTED.
- C. THE CONTRACTOR SHALL FLUSH ALL WATER PIPING PRIOR TO THE CONNECTION OF FLUSH VALVE, AND FAUCET AERATORS TO PROVIDE A CLEAN AND OPERATIONAL WATER SYSTEM.
- D. THE CONTRACTOR SHALL PLACE THE ENTIRE SYSTEM IN A SATISFACTORY OPERATING CONDITION AND SHALL FURNISH ALL ASSISTANCE AND INSTRUCTIONS REQUIRED.
- E. IT IS THE CONTRACTORS RESPONSIBILITY TO INSURE ALL FLOOR DRAINS AND CLEANOUTS ARE IN A CLEAN CONDITION.

PLUMBING FIXTURE SCHEDULE

SYM	FIXTURE	PIPE SIZES				RIM HGT / MTG HGT	DESCRIPTION (AM. STD. REFERENCED)
		W	V	CW	HW		
P-1	KITCHEN SINK	2"	2"	1/2"	1/2"	DECK	JUST SL-1921-A-GR: DELTA 400-DST FAUCET W/ HAND SPRAY; SUPPLIES, STOPS, & WASTE
P-2	WATER COOLER H/C	2"	2"	1/2"	--	ADA	ELKAY LZSTL8WS; BI-LEVEL WITH BOTTLE FILLER
P-3	ICE MAKER BOX	--	--	1/2"	--	BOTT 6" AFF	OATEY 38571 SERIES

GENERAL PLUMBING NOTES

PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED). EXACT LOCATION SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK. RISERS FOR FIXTURES, UNLESS OTHERWISE NOTED, SHALL BE CONCEALED IN WALLS OR PIPE CHASES.

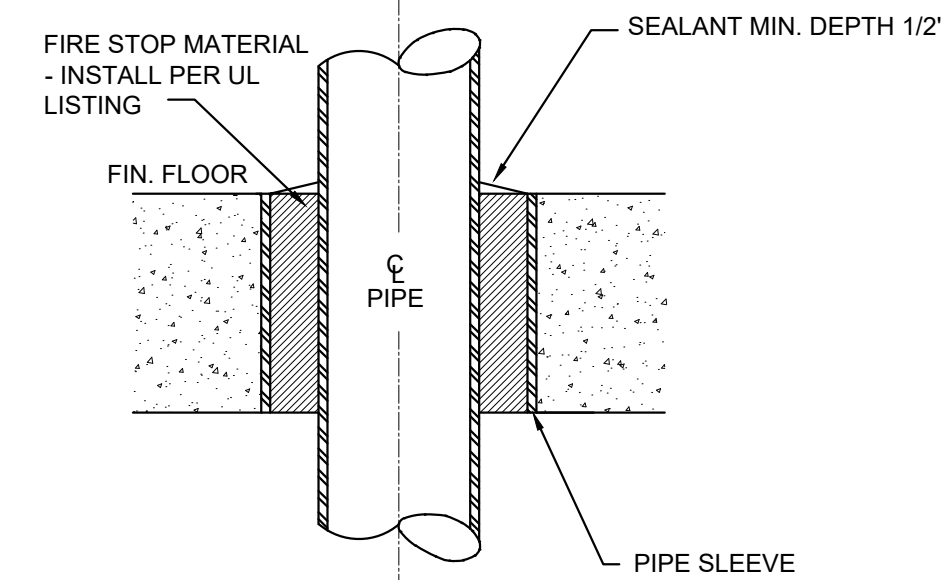
MINIMUM SIZE WATER LINE FOR ANY TWO FIXTURES SHALL BE 1/2". REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUNOUT SIZES.

PROVIDE SLEEVES PER IPC REQUIREMENTS FOR PIPE PASSING THRU FLOOR, MASONRY WALLS AND FIRE OR SMOKE PARTITIONS. PACK ANNULAR SPACE BETWEEN PIPE WITH MATERIAL APPROVED IN U.L. BUILDING DIRECTORY OR AS DIRECTED BY IPC OR IBC REQUIREMENTS.

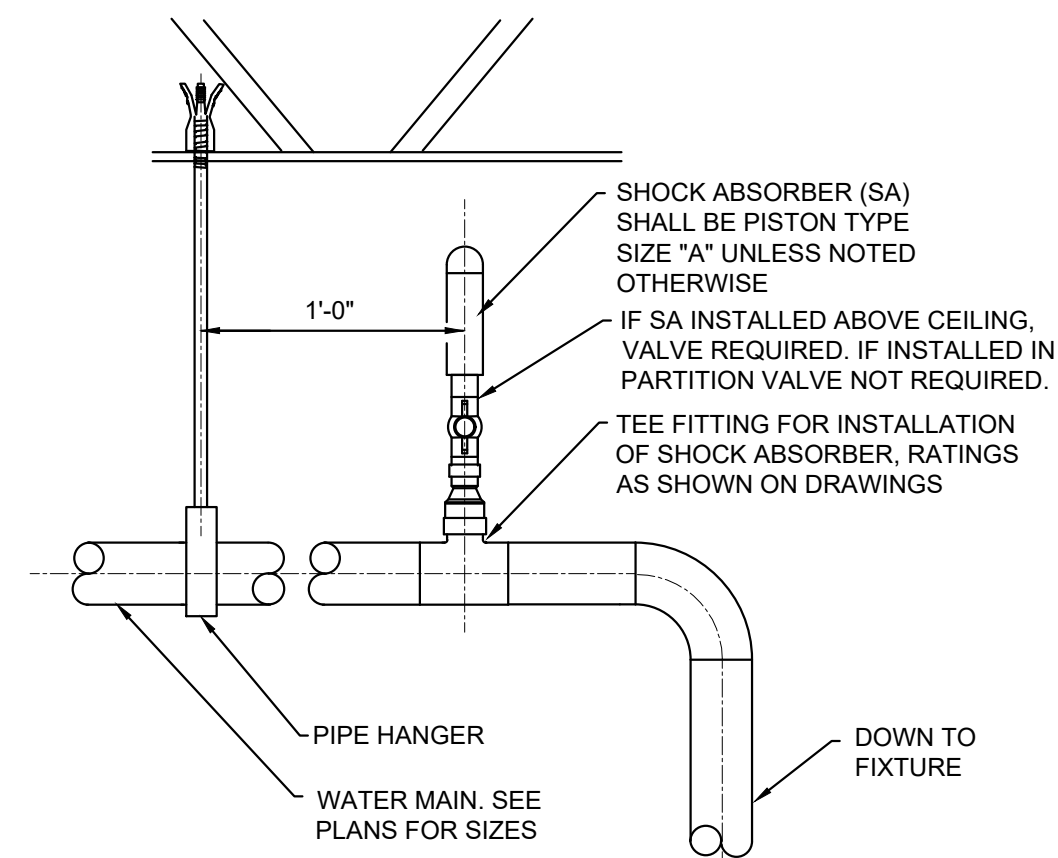
IT SHALL BE CONTRACTORS RESPONSIBILITY TO COORDINATE THIS INSTALLATION WITH THAT OF OTHER TRADES TO ENSURE COMPLETE INSTALLATION. CONTRACTOR SHALL VERIFY ROUTING OF ALL PIPING AND ADJUST AS NECESSARY TO AVOID CONFLICTS WITH THAT OF OTHER TRADES AND OR STRUCTURAL MEMBERS.

PLUMBING LEGEND

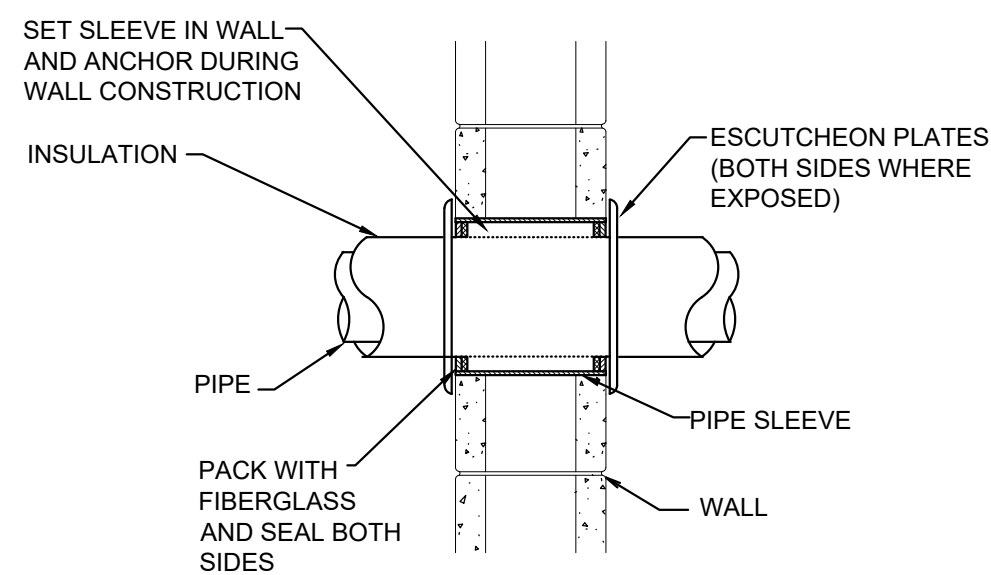
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
-----	VENT	-----	COLD WATER
VTR	VENT THRU ROOF	-----	HOT WATER
SA PDI "X"	SHOCK ABSORBER	-----	WASTE OR SANITARY SEWER
(N/E)	NEW TO EXISTING	-----EXIST. SAN-----	EXISTING SANITARY SEWER
TYP.	TYPICAL	-----EXIST. CW-----	EXISTING COLD WATER
		-----EXIST. HW-----	EXISTING HOT WATER



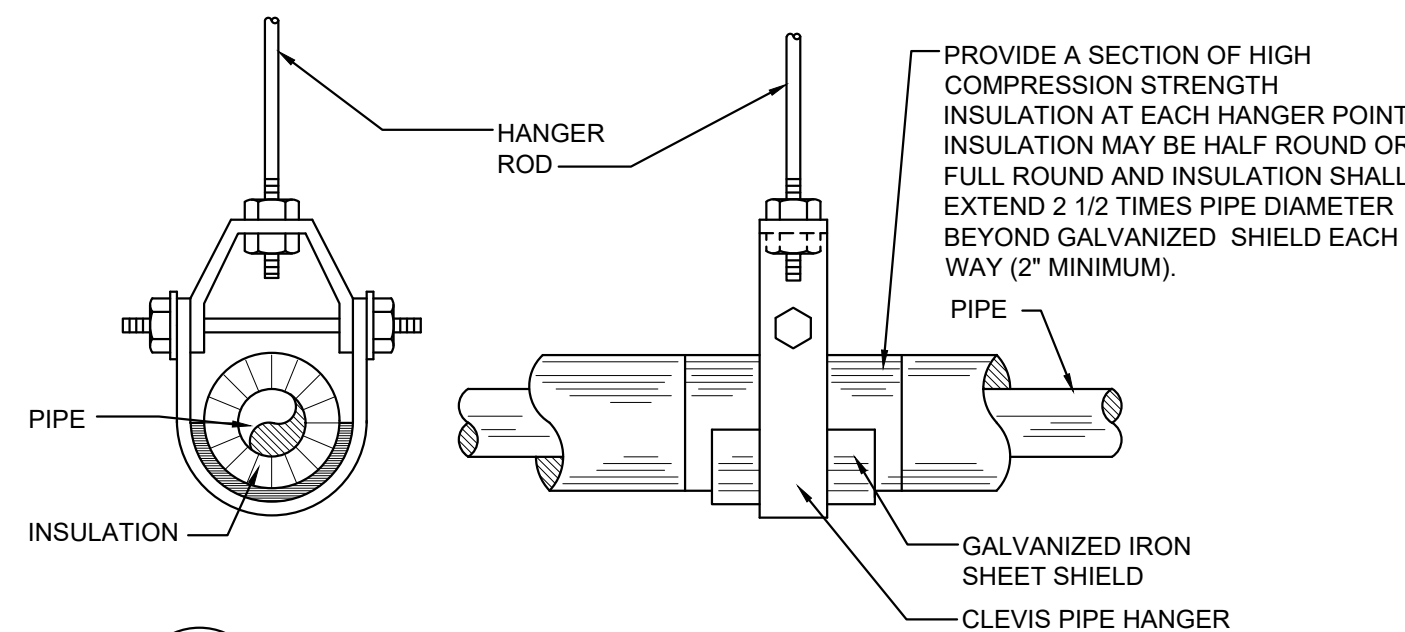
3 PIPE THRU FLOOR SLAB DETAIL
P2.0 NOT TO SCALE



4 SHOCK ABSORBER DETAIL
P2.0 NOT TO SCALE



1 PIPE SLEEVE THRU INTERIOR WALL DETAIL
P2.0 NOT TO SCALE



2 PIPE HANGER DETAILS
P2.0 NOT TO SCALE FOR PIPE 2 1/2" AND SMALLER

2022-013

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**RENOVATION & ADDITION
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FOR CONSTRUCTION	
PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	BAW
APPROVED BY:	CAB
SCHEDULE OF REVISIONS	
#	DATE

PLUMBING SCHEDULE,
NOTES, LEGEND,
DETAILS, &
SPECIFICATIONS

P2.0



**RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458**

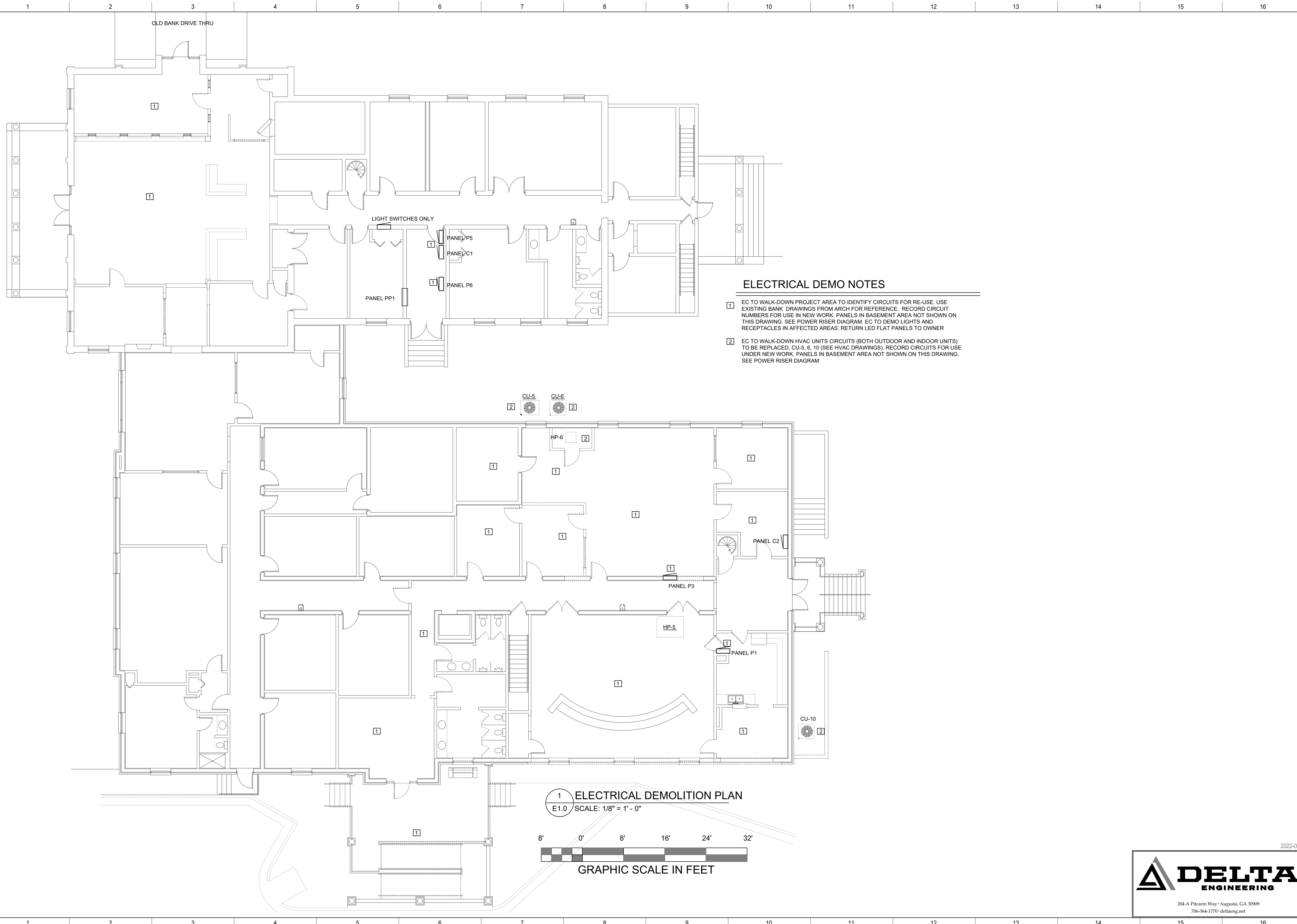
FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: SCH
APPROVED BY: KDG

#	DATE

**ELECTRICAL
DEMOLITION PLAN**

E1.0



ELECTRICAL DEMO NOTES

- 1 EC TO WALK-DOWN PROJECT AREA TO IDENTIFY CIRCUITS FOR RE-USE. USE EXISTING BANK DRAWINGS FROM ARCH FOR REFERENCE. RECORD CIRCUIT NUMBERS FOR USE IN NEW WORK. PANELS IN BASEMENT AREA NOT SHOWN ON THIS DRAWING. SEE POWER RISER DIAGRAM. EC TO DEMO LIGHTS AND RECEPTACLES IN AFFECTED AREAS. RETURN LED FLAT PANELS TO OWNER
- 2 EC TO WALK-DOWN HVAC UNITS CIRCUITS (BOTH OUTDOOR AND INDOOR UNITS) TO BE REPLACED. CU-5, 6, 10 (SEE HVAC DRAWINGS). RECORD CIRCUITS FOR USE UNDER NEW WORK. PANELS IN BASEMENT AREA NOT SHOWN ON THIS DRAWING. SEE POWER RISER DIAGRAM

A
B
C
D
E
F
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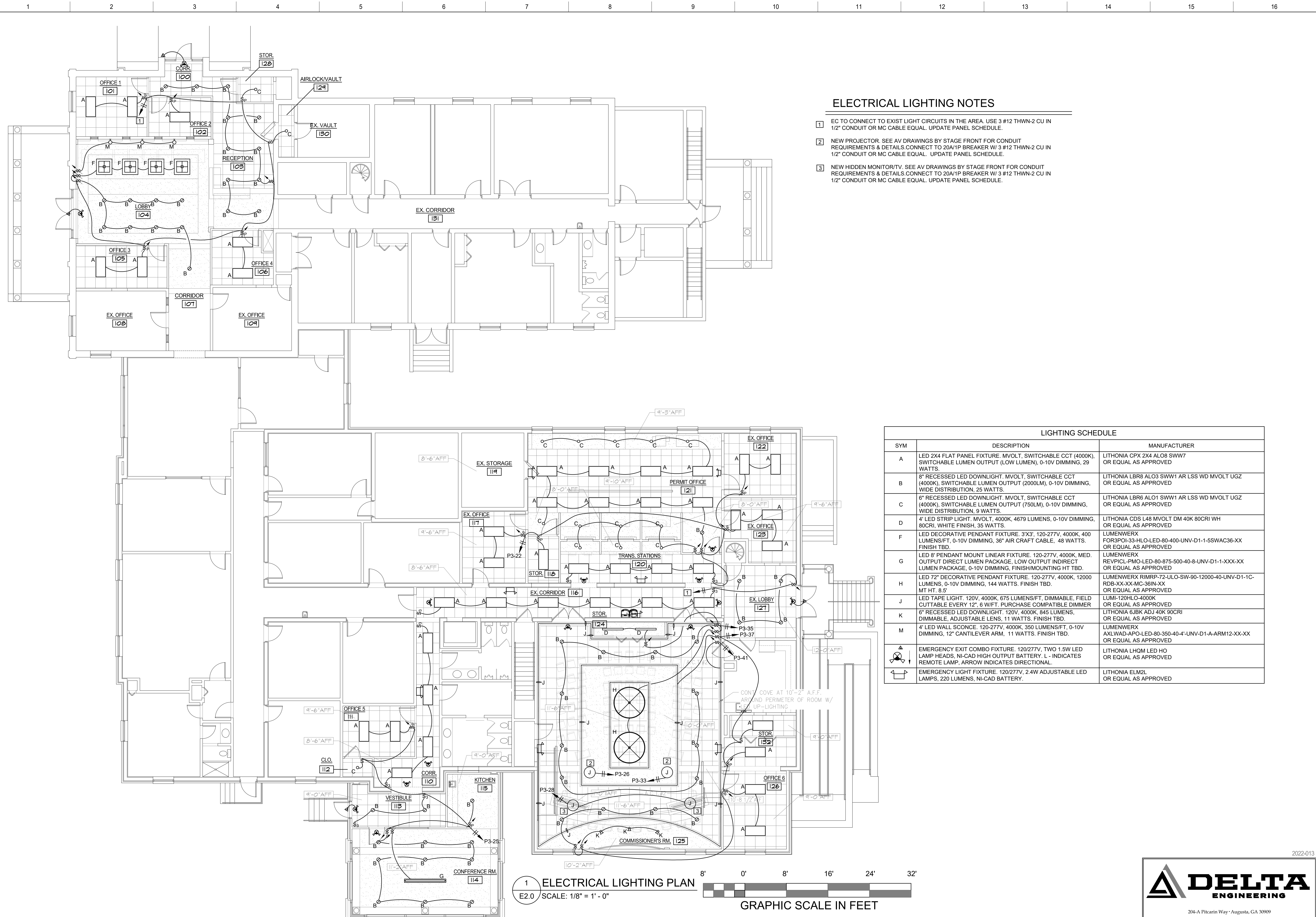
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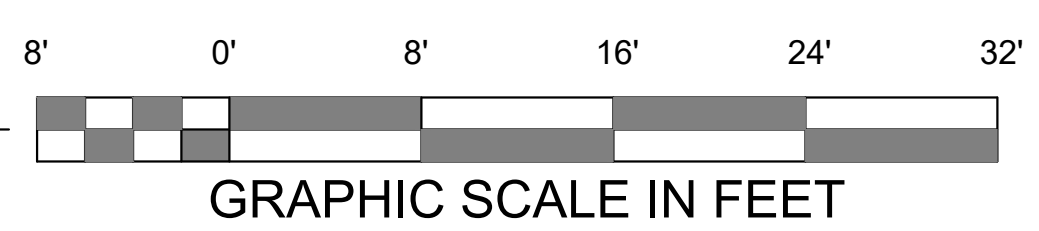
ELECTRICAL LIGHTING NOTES

- 1 EC TO CONNECT TO EXIST LIGHT CIRCUITS IN THE AREA. USE 3 #12 THWN-2 CU IN 1/2" CONDUIT OR MC CABLE EQUAL. UPDATE PANEL SCHEDULE.
- 2 NEW PROJECTOR. SEE AV DRAWINGS BY STAGE FRONT FOR CONDUIT REQUIREMENTS & DETAILS. CONNECT TO 20A/1P BREAKER W/ 3 #12 THWN-2 CU IN 1/2" CONDUIT OR MC CABLE EQUAL. UPDATE PANEL SCHEDULE.
- 3 NEW HIDDEN MONITOR/TV. SEE AV DRAWINGS BY STAGE FRONT FOR CONDUIT REQUIREMENTS & DETAILS. CONNECT TO 20A/1P BREAKER W/ 3 #12 THWN-2 CU IN 1/2" CONDUIT OR MC CABLE EQUAL. UPDATE PANEL SCHEDULE.



LIGHTING SCHEDULE		
SYM	DESCRIPTION	MANUFACTURER
A	LED 2X4 FLAT PANEL FIXTURE. MVOLT, SWITCHABLE CCT (4000K), SWITCHABLE LUMEN OUTPUT (LOW LUMEN), 0-10V DIMMING, 29 WATTS.	LITHONIA CPX 2X4 ALO8 SSW7 OR EQUAL AS APPROVED
B	6" RECESSED LED DOWNLIGHT. MVOLT, SWITCHABLE CCT (4000K), SWITCHABLE LUMEN OUTPUT (2000LM), 0-10V DIMMING, WIDE DISTRIBUTION, 25 WATTS.	LITHONIA LBR8 ALO3 SSW1 AR LSS WD MVOLT UGZ OR EQUAL AS APPROVED
C	6" RECESSED LED DOWNLIGHT. MVOLT, SWITCHABLE CCT (4000K), SWITCHABLE LUMEN OUTPUT (750LM), 0-10V DIMMING, WIDE DISTRIBUTION, 9 WATTS.	LITHONIA LBR6 ALO1 SSW1 AR LSS WD MVOLT UGZ OR EQUAL AS APPROVED
D	4" LED STRIP LIGHT. MVOLT, 4000K, 4679 LUMENS, 0-10V DIMMING, 80CRI, WHITE FINISH, 35 WATTS.	LITHONIA CDS L48 MVOLT DM 40K 80CRI WH OR EQUAL AS APPROVED
F	LED DECORATIVE PENDANT FIXTURE. 3'X3', 120-277V, 4000K, 400 LUMENS/FT, 0-10V DIMMING, 36" AIR CRAFT CABLE, 48 WATTS. FINISH TBD.	LUMENWERX FOR3POI-33-HLO-LED-80-400-UNV-D1-1-SWAC36-XX OR EQUAL AS APPROVED
G	LED 3' PENDANT MOUNT LINEAR FIXTURE. 120-277V, 4000K, MED. OUTPUT DIRECT LUMEN PACKAGE, LOW OUTPUT INDIRECT LUMEN PACKAGE, 0-10V DIMMING, FINISH/MOUNTING HT TBD.	LUMENWERX REVPICL-PMQ-LED-80-875-500-40-8-UNV-D1-1-XXX-XX OR EQUAL AS APPROVED
H	LED 72" DECORATIVE PENDANT FIXTURE. 120-277V, 4000K, 12000 LUMENS, 0-10V DIMMING, 144 WATTS. FINISH TBD.	LUMENWERX RIMRP-72-JLO-SW-90-12000-40-UNV-D1-1C-RDB-XX-XX-MC-36IN-XX OR EQUAL AS APPROVED
J	LED TAPE LIGHT. 120V, 4000K, 675 LUMENS/FT, DIMMABLE, FIELD CUTTABLE EVERY 12", 6 W/FT. PURCHASE COMPATIBLE DIMMER	LUMI-120HLO-4000K OR EQUAL AS APPROVED
K	6" RECESSED LED DOWNLIGHT. 120V, 4000K, 845 LUMENS, DIMMABLE, ADJUSTABLE LENS, 11 WATTS. FINISH TBD.	LITHONIA 6JBK ADJ 40K 90CRI OR EQUAL AS APPROVED
M	4" LED WALL SCONCE. 120-277V, 4000K, 350 LUMENS/FT, 0-10V DIMMING, 12" CANTILEVER ARM, 11 WATTS. FINISH TBD.	LUMENWERX AXLWAD-APO-LED-80-350-40-4-UNV-D1-A-ARM12-XX-XX OR EQUAL AS APPROVED
△	EMERGENCY EXIT COMBO FIXTURE. 120/277V, TWO 1.5W LED LAMP HEADS, NI-CAD HIGH OUTPUT BATTERY. L - INDICATES REMOTE LAMP, ARROW INDICATES DIRECTIONAL	LITHONIA LHOM LED HO OR EQUAL AS APPROVED
□	EMERGENCY LIGHT FIXTURE. 120/277V, 2.4W ADJUSTABLE LED LAMPS, 220 LUMENS, NI-CAD BATTERY.	LITHONIA ELM2L OR EQUAL AS APPROVED

1 ELECTRICAL LIGHTING PLAN
E2.0 SCALE: 1/8" = 1' - 0"



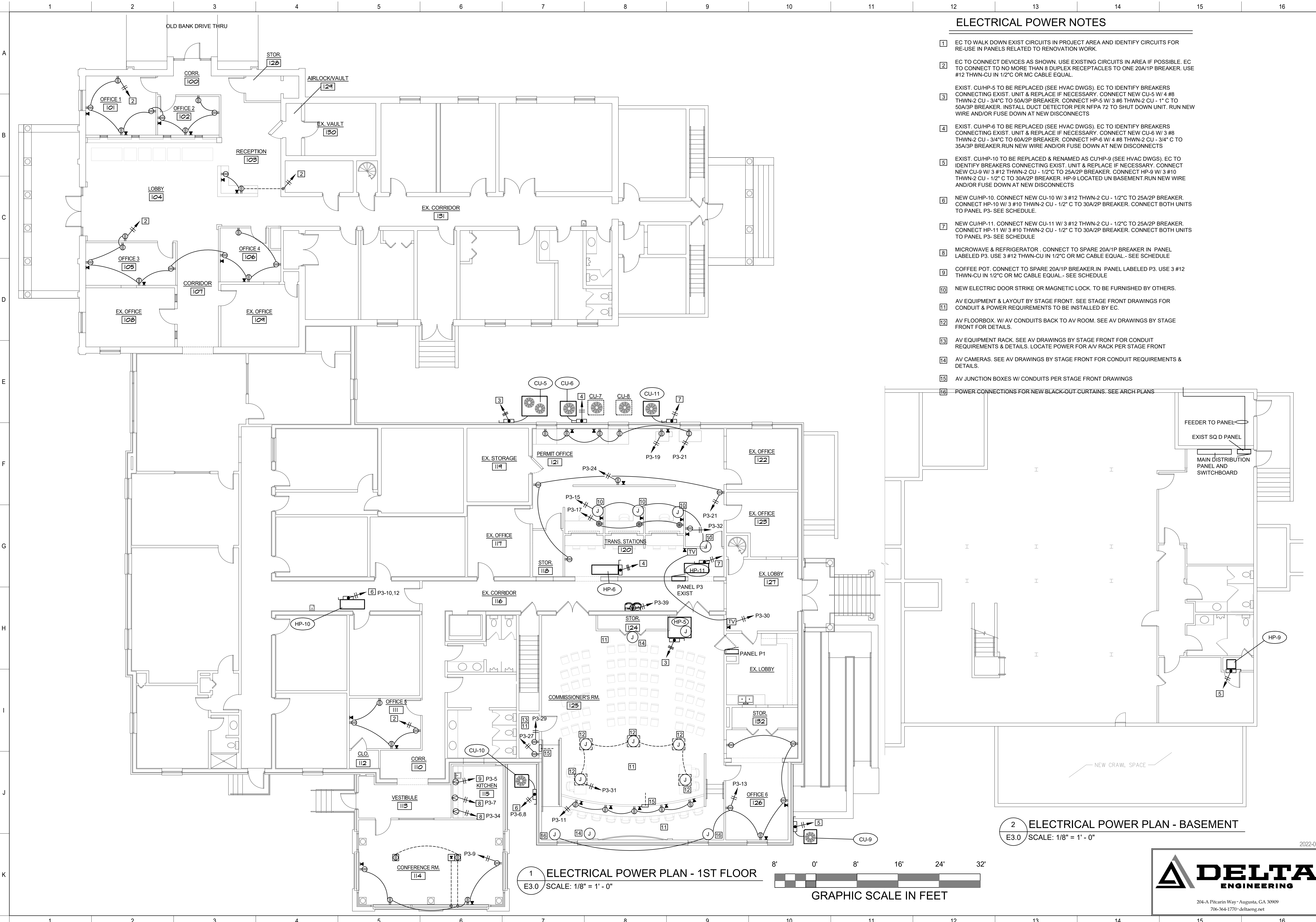
FOR CONSTRUCTION

PROJECT NUMBER: 2163
PROJECT DATE: 4/27/22
DRAWN BY: SCH
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SCHEDULE OF REVISIONS

#	DATE

ELECTRICAL LIGHTING PLAN
E2.0

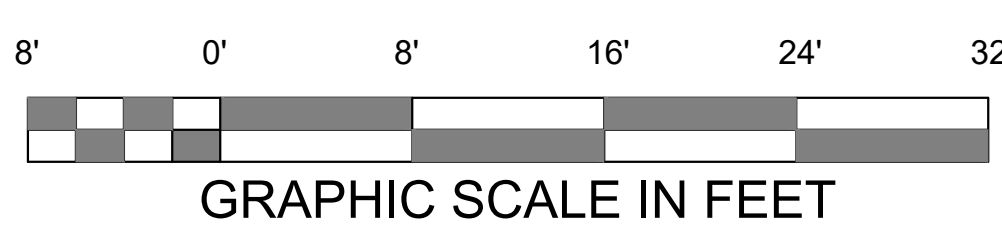


ELECTRICAL POWER NOTES

- 1 EC TO WALK DOWN EXIST CIRCUITS IN PROJECT AREA AND IDENTIFY CIRCUITS FOR RE-USE IN PANELS RELATED TO RENOVATION WORK.
- 2 EC TO CONNECT DEVICES AS SHOWN. USE EXISTING CIRCUITS IN AREA IF POSSIBLE. EC TO CONNECT TO NO MORE THAN 8 DUPLEX RECEPTACLES TO ONE 20A/1P BREAKER. USE #12 THWN-CU IN 1/2" C OR MC CABLE EQUAL.
- 3 EXIST. CU/HP-5 TO BE REPLACED (SEE HVAC DWGS). EC TO IDENTIFY BREAKERS CONNECTING EXIST. UNIT & REPLACE IF NECESSARY. CONNECT NEW CU-5 W/ 4 #8 THWN-2 CU - 3/4" C TO 50A/3P BREAKER. CONNECT HP-5 W/ 3 #6 THWN-2 CU - 1" C TO 50A/3P BREAKER. INSTALL DUCT DETECTOR PER NFPA 72 TO SHUT DOWN UNIT. RUN NEW WIRE AND/OR FUSE DOWN AT NEW DISCONNECTS
- 4 EXIST. CU/HP-6 TO BE REPLACED (SEE HVAC DWGS). EC TO IDENTIFY BREAKERS CONNECTING EXIST. UNIT & REPLACE IF NECESSARY. CONNECT NEW CU-6 W/ 3 #8 THWN-2 CU - 3/4" C TO 60A/2P BREAKER. CONNECT HP-6 W/ 4 #8 THWN-2 CU - 3/4" C TO 35A/3P BREAKER. RUN NEW WIRE AND/OR FUSE DOWN AT NEW DISCONNECTS
- 5 EXIST. CU/HP-10 TO BE REPLACED & RENAMED AS CU/HP-9 (SEE HVAC DWGS). EC TO IDENTIFY BREAKERS CONNECTING EXIST. UNIT & REPLACE IF NECESSARY. CONNECT NEW CU-9 W/ 3 #12 THWN-2 CU - 1/2" C TO 25A/2P BREAKER. CONNECT HP-9 W/ 3 #10 THWN-2 CU - 1/2" C TO 30A/2P BREAKER. HP-9 LOCATED UN BASEMENT. RUN NEW WIRE AND/OR FUSE DOWN AT NEW DISCONNECTS
- 6 NEW CU/HP-10. CONNECT NEW CU-10 W/ 3 #12 THWN-2 CU - 1/2" C TO 25A/2P BREAKER. CONNECT HP-10 W/ 3 #10 THWN-2 CU - 1/2" C TO 30A/2P BREAKER. CONNECT BOTH UNITS TO PANEL P3- SEE SCHEDULE.
- 7 NEW CU/HP-11. CONNECT NEW CU-11 W/ 3 #12 THWN-2 CU - 1/2" C TO 25A/2P BREAKER. CONNECT HP-11 W/ 3 #10 THWN-2 CU - 1/2" C TO 30A/2P BREAKER. CONNECT BOTH UNITS TO PANEL P3- SEE SCHEDULE
- 8 MICROWAVE & REFRIGERATOR. CONNECT TO SPARE 20A/1P BREAKER IN PANEL LABELED P3. USE 3 #12 THWN-CU IN 1/2" C OR MC CABLE EQUAL. - SEE SCHEDULE
- 9 COFFEE POT. CONNECT TO SPARE 20A/1P BREAKER IN PANEL LABELED P3. USE 3 #12 THWN-CU IN 1/2" C OR MC CABLE EQUAL. - SEE SCHEDULE
- 10 NEW ELECTRIC DOOR STRIKE OR MAGNETIC LOCK. TO BE FURNISHED BY OTHERS.
- 11 AV EQUIPMENT & LAYOUT BY STAGE FRONT. SEE STAGE FRONT DRAWINGS FOR CONDUIT & POWER REQUIREMENTS TO BE INSTALLED BY EC.
- 12 AV FLOORBOX. W/ AV CONDUITS BACK TO AV ROOM. SEE AV DRAWINGS BY STAGE FRONT FOR DETAILS.
- 13 AV EQUIPMENT RACK. SEE AV DRAWINGS BY STAGE FRONT FOR CONDUIT REQUIREMENTS & DETAILS. LOCATE POWER FOR AV RACK PER STAGE FRONT
- 14 AV CAMERAS. SEE AV DRAWINGS BY STAGE FRONT FOR CONDUIT REQUIREMENTS & DETAILS.
- 15 AV JUNCTION BOXES W/ CONDUITS PER STAGE FRONT DRAWINGS
- 16 POWER CONNECTIONS FOR NEW BLACK-OUT CURTAINS. SEE ARCH PLANS

1 ELECTRICAL POWER PLAN - 1ST FLOOR
E3.0 SCALE: 1/8" = 1' - 0"

2 ELECTRICAL POWER PLAN - BASEMENT
E3.0 SCALE: 1/8" = 1' - 0"



2022-013

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DPR
ARCHITECTURE
D'ARCANGELO PALMER RULE

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GEORGIA 30458

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**RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458**

FOR CONSTRUCTION

PROJECT NUMBER: 2163
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DRAWN BY: SCH
APPROVED BY: KDG

SCHEDULE OF REVISIONS

#	DATE

ELECTRICAL
POWER PLAN

E3.0

ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	BRANCH CIRCUIT OR FEEDER CONDUIT CONCEALED IN WALLS OR ABOVE CEILING WITH GROUND. ARROW DENOTES HOME RUN TO PANEL. CROSS HATCHES DENOTE NUMBER OF CONDUCTORS IF OTHER THAN TWO, BUT DO NOT INCLUDE SWITCH LEGS OR THE EQUIPMENT GROUND WIRE. NUMBER 12 MINIMUM SIZE. SEE PANEL SCHEDULE FOR WIRE SIZE.
	120-277V/20A SINGLE POLE LIGHTING SWITCH, MOUNT AT 48" ABOVE FINISHED FLOOR. 3 - DESIGNATES 3-WAY CONNECTORS, 4 - DESIGNATES 4-WAY CONNECTORS, P - DESIGNATES INTEGRATED OCCUPANCY SENSOR. F - DESIGNATES WALL MOUNTED OCCUPANCY CONTROLLED DUAL LIGHT & EXHAUST FAN SWITCH (SENSOR SWITCH WSX 2P FAN OR EQUAL)
	120V, 0-10 VOLT DIMMER SWITCH. SLIDE CONTROL W/ ON-OFF FEATURE. MUST BE COMPATIBLE WITH LED FIXTURE CHOSEN. SEE LIGHTING SCHEDULE FOR DETAILS. P - DESIGNATES INTEGRATED OCCUPANCY SENSOR.
	WALL MOUNTED LIGHT FOR OUTDOOR APPLICATION (TYP.)
	LED RECESSED DOWNLIGHT FIXTURE, SEE LIGHTING SCHEDULE.
	LED LINEAR FIXTURE, FLAT PANEL, OR DROP IN TROFFER 120V (UNLESS NOTED OTHERWISE, SEE LIGHTING SCHEDULE) A = FIXTURE TYPE (SEE LIGHTING SCHEDULE)
	CEILING MOUNTED LIGHT FIXTURE. SEE LIGHTING SCHEDULE.
	JUNCTION BOX SUITABLE FOR TYP. 5 BLADE FAN INSTALLATION. SEE OWNER/ARCHITECT FOR EXACT LOCATION & FAN SELECTION.
	EXHAUST FAN, FURNISH, INSTALL, AND CONNECT ELECTRICALLY COMPLETE. SEE MECHANICAL DRAWINGS FOR MAKE AND MODEL.
	EMERGENCY EXIT LIGHT WITH FACES AND ARROWS AS INDICATED. SHADED AREA DENOTES FACES. SEE LIGHT FIXTURE SCHEDULE. CONNECT TO CONTINUOUS (UNSWITCHED) POWER SUPPLY SERVING LIGHTING IN THE PARTICULAR SPACE. MOUNTED 9'-0" AFF.
	EMERGENCY LIGHTS - SURFACE MOUNTED LED EMERGENCY FIXTURE W/ BATTERY BACKUP. SEE LIGHT FIXTURE SCHEDULE. CONNECT TO CONTINUOUS (UNSWITCHED) POWER SERVING LIGHTING IN THE PARTICULAR SPACE. MOUNTED 8'-0" AFF.
	TELEPHONE CABINET BACKBOARD SHALL BE 3/4" PLYWOOD
	ENCLOSED DISCONNECT SWITCH, NEMA 3R FOR OUTDOOR, NEMA 1 FOR INDOOR, MOUNTED 30" AFF TO BUILDING, EXCEPT AS NOTED ON PRINTS. SIZE DISCONNECT AND FUSE TO MEET HVAC MFRS SPECIFICATIONS.
	UNDERGROUND OR UNDER STRUCTURE RIGID METAL CONDUIT. BURY AT A DEPTH OF 24" BELOW GRADE.
	ELECTRICAL PANELBOARD (RECESSED OR FLUSH MOUNTED). SEE RISER AND PANEL SCHEDULE FOR RATINGS.
	CONDENSING UNIT, # - INDICATES SPECIFIC UNIT. (SEE MECHANICAL SCHEDULE FOR CORRECT UNIT)
	HEAT PUMP UNIT, # - INDICATES SPECIFIC UNIT, I - INDICATES INDOOR, O - INDICATES OUTDOOR. (SEE MECHANICAL SCHEDULE FOR CORRECT UNIT)
	WALL / CEILING MOUNTED JUNCTION BOX OR EQUIPMENT JUNCTION BOX WHEN FURNISHED WITH COVER. MINIMUM SIZE 4" x 4" x 1-1/2". SIZE PER NEC.
	EQUIPMENT CONNECTION (EXACT LOCATION TO BE DETERMINED BY KITCHEN/ EQUIPMENT MANUFACTURER'S SPECIFICATIONS.)
	20A, 120VOLT DUPLEX CONVENIENCE OUTLET, CENTERED VERTICALLY 18" AFF UNLESS OTHERWISE NOTED.
	20A, 120VOLT GFI DUPLEX CONVENIENCE OUTLET, CENTERED VERTICALLY 18" AFF UNLESS OTHERWISE NOTED. IF LOCATED OUTSIDE, RECEPTACLE WILL HAVE INTEGRAL GROUND FAULT INTERRUPTER AND WEATHERPROOF COVER. "GFI" DENOTES INTEGRAL GROUND FAULT INTERRUPTER. MOUNT GFIS IN BATHROOMS OR SINKS, 6" ABOVE COUNTER TOPS.
	20A, 120VOLT QUAD CONVENIENCE OUTLET, CENTERED VERTICALLY 18" AFF UNLESS OTHERWISE NOTED.
	WALL MOUNTED DATA/TELEPHONE JACK LOCATION. RUN 1" CONDUIT W/ PULL STRING TO ABOVE CEILING.
	FLOOR MOUNTED DATA/TELEPHONE JACK LOCATION. RUN 1" CONDUIT W/ PULL STRING TO ABOVE CEILING.
	20A, 120VOLT DUPLEX CONVENIENCE OUTLET, MOUNTED 6" ABOVE COUNTERTOP, UNLESS OTHERWISE NOTED.
	20A, 120VOLT QUAD CONVENIENCE OUTLET, MOUNTED 6" ABOVE COUNTERTOP, UNLESS OTHERWISE NOTED.
	20A, 120VOLT DUPLEX CONVENIENCE OUTLET, MOUNTED IN FLOOR, UNLESS OTHERWISE NOTED.
	20A, 120VOLT DUPLEX OUTLET FOR T.V. EXACT HEIGHT & LOCATION TBD BY OWNER/ARCHITECT.

ELECTRICAL MATERIALS

- FURNISH ALL NECESSARY MATERIALS, TOOLS AND LABOR, AND INSTALL A COMPLETE AND FULLY OPERABLE SYSTEM AS SHOWN OR REASONABLY IMPLIED. ALL OUTLETS SHALL BE LEFT READY FOR USE. ALL MATERIALS SHALL BE NEW FREE OF DEFECTS AND BE UL LISTED.
- ALL WORK SHALL BE IN ACCORDANCE WITH NEC, 2020 EDITION, LOCAL CODES AND ORDINANCES AND THE REQUIREMENTS OF THE UTILITY COMPANY. LOCAL CODES SHALL GOVERN IN THE EVENT OF A CONFLICT.
- APPLY AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS, ETC.
- UNLESS OTHERWISE NOTED, ALL WIRING SHALL BE RUN CONCEALED AND OUTLETS SHALL BE FLUSH MOUNTED IN WALLS, CEILING OR FLOORS.
- OUTLET BOXES SHALL BE SIZED AND INSTALLED PER NEC AND MEET ALL LOCAL CODES.
- PANELS SHALL HAVE INSULATED NEUTRAL BUSES AND SEPARATE EQUIPMENT GROUNDING BUSES. PROVIDE CIRCUIT INDEX CARDS.
- LIGHTING FIXTURES SHALL BE COMPLETE WITH LAMPS, BALLASTS (IF APPLICABLE) AND MOUNTING ACCESSORIES AS REQUIRED. GROUND FIXTURES PER NEC ARTICLE 410-20.
- ALL POWER WIRING AND CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THIS CONTRACTOR.
- SEAL ALL PENETRATIONS IN FIRE RATED ASSEMBLIES WITH 3-M, OR EQUAL FIRE STOP MATERIAL. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- AT THE COMPLETION OF THIS WORK, THIS CONTRACTOR SHALL REMOVE ALL RUBBISH CAUSED BY HIS WORK AND SHALL THOROUGHLY CLEAN ALL ELECTRICAL EQUIPMENT.
- GROUND SYSTEMS PER NEC ARTICLE 250 AND LOCAL CODES.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND LABOR FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OR FIRS BENEFICIAL USE BY THE OWNER, WHICHEVER COMES FIRST. THE ENTIRE SYSTEM SHALL BE FREE OF SHORTS AND GROUNDS. CORRECTIONS TO THE WIRING SYSTEM, DUE TO DEFECTIVE MATERIALS AND WORKMANSHIP, WITHIN THE GUARANTEE PERIOD, SHALL BE MADE BY THE CONTRACTOR AT NO COST TO THE OWNER.
- ALL HEATING, VENTILATION, AND AC BREAKERS SHALL BE HACR TYPE PER MANUFACTURER'S SPECIFICATIONS.
- CONDUCTORS SHALL BE THHN/ THWN-2 COPPER, 10WG & SMALLER SHALL BE SOLID, 8 AWG AND LARGER SHALL BE STRANDED. COLOR CODE SHALL BE AS FOLLOWS: 120/208 3Ø, 4W: ØA - BLACK, ØB - RED, ØC - BLUE, NEUTRAL - WHITE, EQUIPMENT GROUND - GREEN, 277/480 3Ø, 4W: ØA - BROWN, ØB - ORANGE, ØC - YELLOW, NEUTRAL - GRAY, EQUIPMENT GROUND - GREEN.
- USE OF NM, NMC AND NMS CABLE IN LIEU OF CONDUIT AND STRANDED THHN, THWN WIRE FOR BRANCH CIRCUITS PER CURRENT NEC IS ALLOWED PROVIDED LOCAL AHJ APPROVES OF ITS USE. RESIDENTIAL CLASSIFICATIONS ONLY.
- CONDUITS CONCEALED IN WALLS AND ABOVE CEILING SHALL BE EMT. UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40. EXPOSED CONDUITS SHALL BE RIGID STEEL. CONDUITS SHALL BE RUN AT RIGHT ANGLES TO BUILDING WALLS. USE OF MC CABLE ALLOWED PER NEC APPROVED LOCATIONS & AHJ.
- DEVICES AND DEVICE BOXES SHALL BE INSTALLED LEVEL AND PLUMB. DUPLEX RECEPTACLES SHALL BE INSTALLED SO THAT GROUNDS ARE AT BOTTOM. SINGLE POLE TOGGLE SWITCHES SHALL BE INSTALLED SO THAT OFF POSITION IS DOWN.
- DEVICE AND DEVICE PLATE MATERIALS AND COLORS SHALL BE AS SPECIFIED BY OWNER / ARCHITECT.
- ALL FUSES SHALL BE CLASS RK1 OR RK5 FUSES OR EQUAL WITH CURRENT LIMITING CHARACTERISTICS.
- N/A
- LABEL ALL PANELS AND DISCONNECTS PER NEC ARC FLASH PROTECTION REQUIREMENTS.
- AFFIX MAXIMUM FAULT CURRENT TO MAIN CIRCUIT PANEL OR DISCONNECT AT FACILITY PER NEC 110.16 AND 24.

POWER/LIGHTING PANEL: P3													
LOAD A	LOAD B	LOAD C	LOAD SERVED	WIRE/CONDUIT SIZE	SIZE/POLE	CKT NO.	MINIMUM AIC EACH BREAKER 22,000	EXIST. PANEL	WIRE/CONDUIT SIZE	LOAD SERVED	LOAD A	LOAD B	LOAD C
800	800	1500	EXIST POWER	#12 - 1/2"	20/3	1				EXIST POWER	800		
			EXIST POWER			3				EXIST POWER		800	
			COFFEE MAKER-RM 115			5							1200
1500			MICROWAVE-RM 115			7			25/2	#12 - 1/2"	CU-10		
	1200		CONF. RM 114 RECEPT			9			30/2	#10 - 1/2"	HP-10		2400
		1000	COMMISH RM RECEPTACLES			11							2400
			NEW OFFICE 126 RECEPT			13			25/2	#12 - 1/2"	CU-11		
1200			DOOR STRIKE POWER & RELEASE			15							1200
	100		TRANS BOOTH RECEPT			17			30/2	#10 - 1/2"	HP-11		2400
		1200	COPY MACHINE			19							2400
500			PERMIT-OFFICE GEN RECEPT			21			20/1	#12 - 1/2"	LIGHTS		915
		600	PERMIT-OFFICE GEN RECEPT			23					PLOTTER		1000
675			LIGHTS - RM. 111 - 115			25					PROJECTOR		200
	200		A/V CIRC. - RACK			27					HIDDEN MONITORS		1000
		200	A/V CIRC. - RACK			29					TV RECEPT		400
1000			A/V CIRC. - FLOOR BOXES			31					COPIER		500
	200		PROJECTOR			33					REFRIG/FREEZER ROOM 115		900
740		620	LIGHTS COMMISH RM			35					SPARE		
			LIGHTS COMMISH RM			37							
	600		WATER COOLER			39			30/3				
		1000	LIGHTS COMMISH RM			41					TVSS - MATCH SALIENT FEATURES ****		
TOTAL LOAD	TOTAL LOAD	TOTAL LOAD	TOTAL PANEL VA	40560							TOTAL LOAD	TOTAL LOAD	TOTAL LOAD
6415	4100	6120	TOTAL LOAD CURRENT	113							6300	7215	7400

* ELECTRICAL CONTRACTOR TO VERIFY ALL HVAC ELECTRICAL EQUIPMENT SPECS PRIOR TO PURCHASE AND INSTALLATION. CONTACT ENGINEER IF ELECTRICAL LOADS DIFFERENT THAN SHOWN. ELECTRICAL CONTRACTOR SHALL VERIFY ALL HACR BREAKER SIZES AND ASSOCIATED WIRE SIZE WITH HVAC EQUIPMENT PRIOR TO PURCHASE AND INSTALLATION. FAILURE TO DO SO WILL NOT RESULT IN ANY ADDITIONAL COST TO THE OWNER, ARCH, OR ENGINEER.

** INSTALL EQUIPMENT GROUND WIRE PER NEC ART. 250 TABLE 122.

*** EC CAN USE 20/2 BREAKERS W/ A COMMON NEUTRAL IF DESIRED. EC TO PURCHASE NEW BREAKERS TO MATCH EXISTING SALIENT FEATURES WHERE NEW BREAKERS ARE NEEDED.

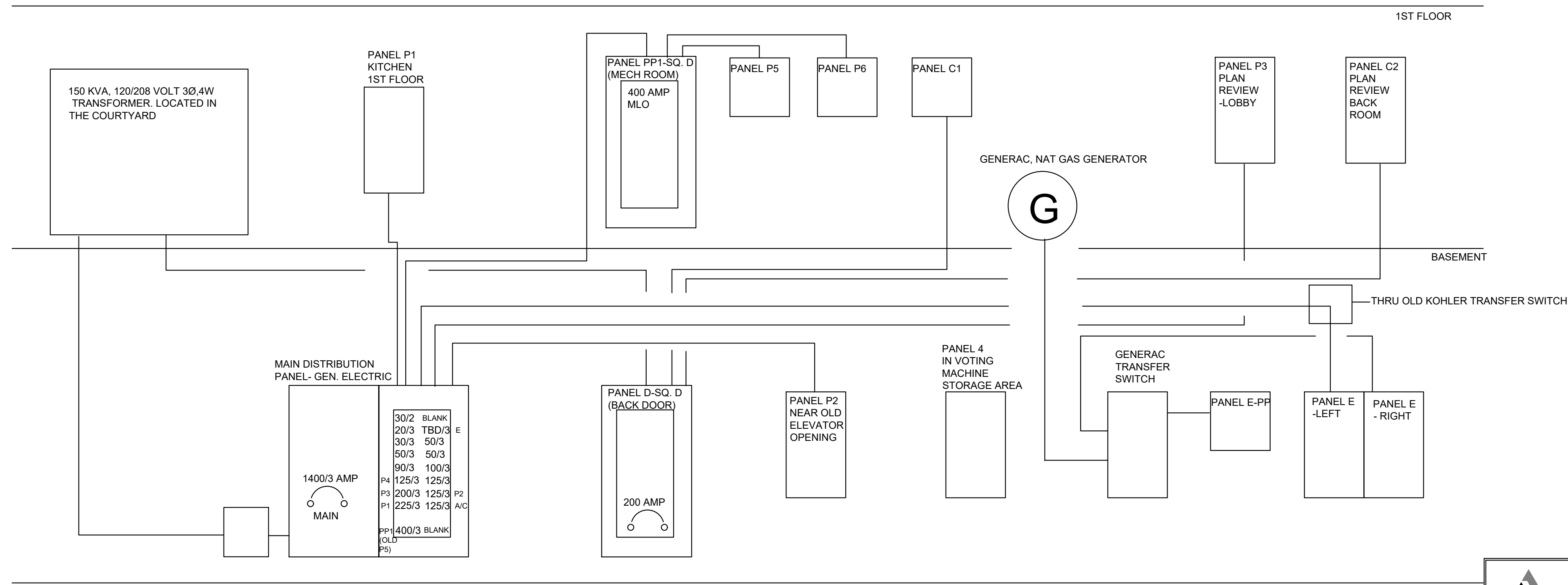
**** EC TO PURCHASE NEW TVSS PROTECTION FOR PANEL P3. MOUNT UNIT PER OWNERS DIRECTION. TVSS TO MATCH SALIENT FEATURES OF EXITING UNITS

ELECTRICAL NOTES

- OUTLET BOXES ON OPPOSITE SIDES OF FIRE RESISTANT WALL OR SHAFT ENCLOSURE SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24" MINIMUM.
- ALL CONVENIENCE OUTLETS INSTALLED TO SERVE A KITCHEN COUNT TOP SHALL BE GFI PROTECTED PER NEC.
- INSTALL SMOKE DETECTORS PER NFPA 72 AND IBC. SEE ELECTRICAL SYMBOLS.
- MAINTAIN CONTINUOUS GROUNDS ON ALL RECEPTACLES.
- USE FIRE RATED MATERIALS IN RATED WALLS. FOR STOP PER NFPA.
- CEILING PENETRATIONS SHALL MEET THE REQUIREMENT OF NEC AND IBC.
- GROUND ELECTRICAL SERVICE PER NEC250-66 AND AS APPROVED BY LOCAL AHJ.
- MAINTAIN 3 FT. MINIMUM CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT PER NEC 110.26 (A)
- CONSULT LOCAL UTILITY AND BUILDING AUTHORITY FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION OF ELECTRICAL EQUIPMENT. VERIFY AVAILABLE FAULT CURRENT IS LESS THAN EQUIPMENT RATING SPECIFIED. ELECTRICAL CONTRACTOR MAY REDUCE INTERRUPTING RATING OF EQUIPMENT IF LOCAL UTILITY AVAILABLE FAULT CURRENT IS SUBSTANTIALLY LOWER THAN ANTICIPATED AND SHALL GAIN APPROVAL IN WRITING FROM ENGINEER PRIOR TO PURCHASE AND INSTALLATION. INSTALLATION SHALL MEET THE REQUIREMENTS OF NEC 110.9 AND 110.10.
- FIRE ALARM (BY OTHERS IF REQUIRED). GAIN APPROVAL FROM LOCAL FIRE MARSHALL ON FIRE PROTECTION EQUIPMENT LAYOUT PRIOR TO INSTALLATION AND APPROVAL. FIRE MARSHALL MAY REQUIRE ADDITIONAL EQUIPMENT (SMOKE DETECTORS, EXIT SIGNS, EGRESS LIGHTS, ETC) GREATER THAN THAT SHOWN. IF ADDITIONAL EQUIPMENT IS REQUESTED OTHER THAN THAT SHOWN, CONTRACTOR SHALL CONSULT ARCHITECT / ENGINEER PRIOR TO CONTINUING. CONTRACTOR SHALL BE RESPONSIBLE FOR FAILURE TO INFORM ENGINEER AND ARCHITECT AND SHALL INCUR ALL COST FOR ADDITIONAL CHANGES WITHOUT PRIOR APPROVAL. INSTALL FIRE ALARM EQUIPMENT PER NFPA 72.
- HOME RUNS FOR ALL 20 AMP BRANCH CIRCUITS LONGER THAN 75 FEET SHALL BE AT LEAST 10 AWG.
- ALL NEW BREAKERS TO MATCH SALIENT FEATURES OF EXISTING BREAKERS.

1 ELECTRICAL NOTES & SCHEDULES

E4.0 SCALE: NONE



2 EXIST POWER RISER DIAGRAM

E4.0 SCALE: NONE



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RENOVATION & ADDITION
NORTH MAIN ANNEX
115 NORTH MAIN ST STATESBORO, GA 30458

FOR CONSTRUCTION

PROJECT NUMBER:	2163
PROJECT DATE:	4/27/22
DRAWN BY:	SCH
APPROVED BY:	KDG
SCHEDULE OF REVISIONS	
#	DATE

ELECTRICAL NOTES & SCHEDULES

E4.0

