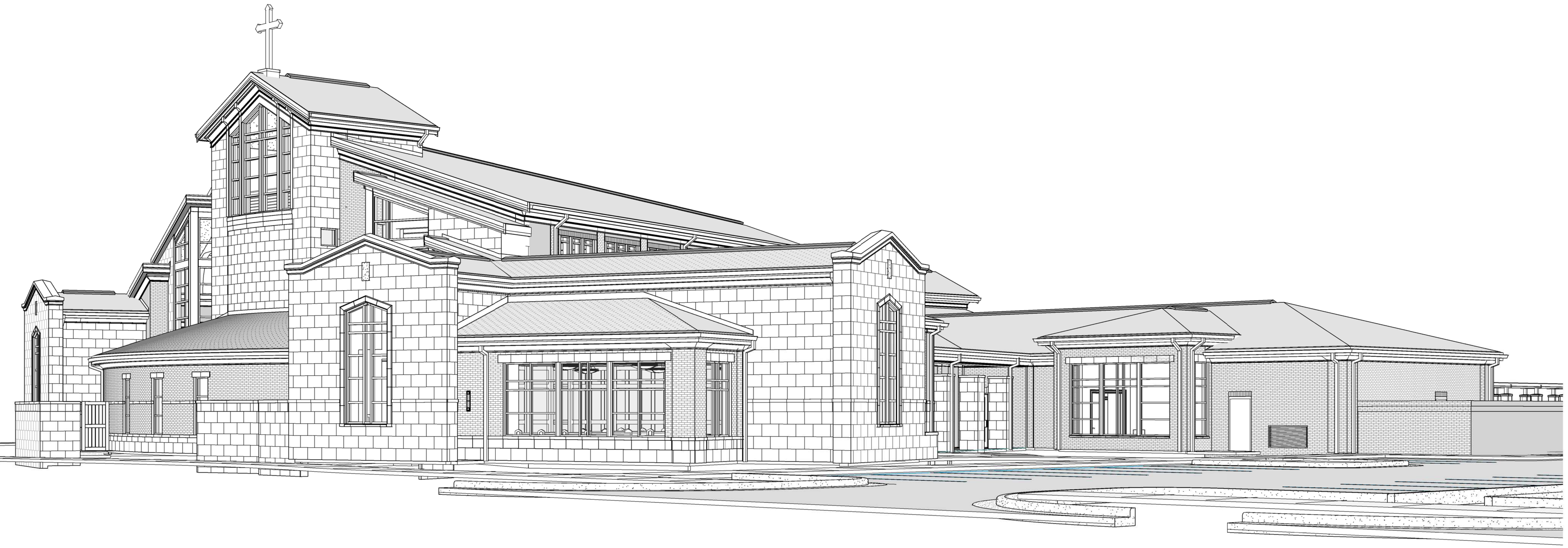
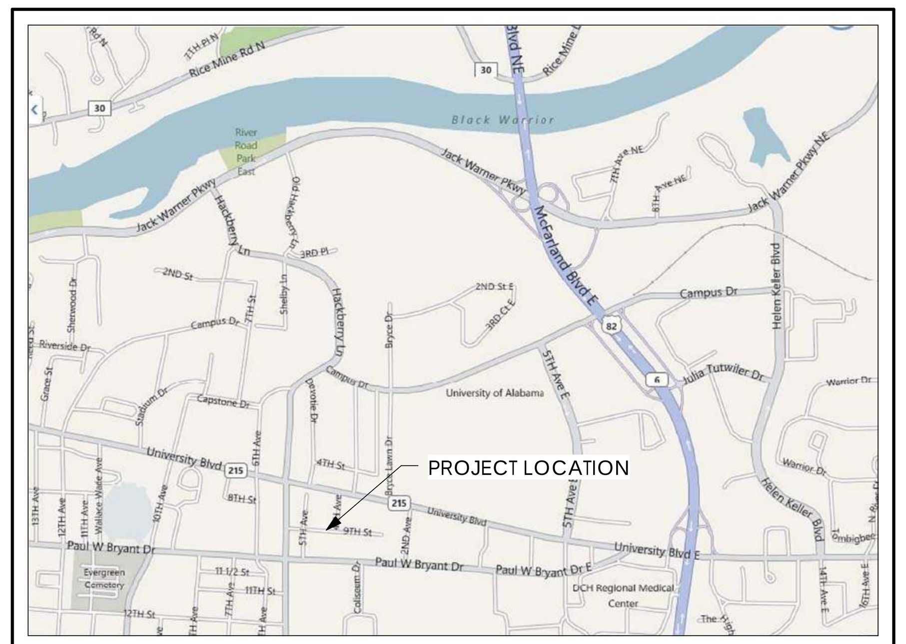
New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish





Vicinity Map of Tuscaloosa, Alabama Not to Scale

GENERAL NOTES

1. CONTRACTOR AND/OR SUBCONTRACTORS SHALL VISIT PROPERTY TO VERIFY EXISTING CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMITTING A BID.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE AND OF STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
3. ALL MATERIALS AND EQUIPMENT REFERRED TO IN NOTES AND KEYNOTE LEGENDS SHALL BE NEW AND FURNISHED AND INSTALLED UNDER THE WORK OF THIS PROJECT UNLESS NOTED OTHERWISE TO BE FURNISHED AND INSTALLED BY OWNER.
4. CONTRACTORS AND/OR SUBCONTRACTORS SHALL EMPLOY SKILLED WORKMEN TO PERFORM ALL WORK IN ACCORDANCE WITH THE BEST STANDARDS OF WORK FOR ALL CATEGORIES OF WORK IN THE PROJECT.
5. CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL OTHER SUBCONTRACTORS TO FACILITATE A SMOOTH WORK PROGRESSION.
6. CONTRACTOR AND SUBCONTRACTORS SHALL SECURE THE ARCHITECT'S APPROVAL OF ANY SUBSTITUTIONS PRIOR TO INSTALLATION. THE ARCHITECT SHALL SUPPLY TO CONTRACTOR ANY SUBSTITUTIONS IN PROMPT ATTENTIVENESS TO THE PROGRESSION OF WORK.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND APPROVALS AND SHALL NOTIFY AND SCHEDULE ALL REQUIRED INSPECTIONS AND APPROVALS WITH THE VARIOUS AUTHORITIES HAVING JURISDICTION.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE PROTECTION FOR ALL EMPLOYEES AND THE PUBLIC AND OCCUPANTS DURING THE COURSE OF THE WORK, COMPLYING WITH ALL APPLICABLE JOB SAFETY REGULATIONS.
9. SUBCONTRACTORS SHALL REMOVE FROM THE SITE ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM THEIR OPERATIONS. ALL SUCH MATERIAL MUST BE DISPOSED OF LEGALLY AND CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH SAID REMOVALS AND DISPOSALS. SUBCONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A NEAT AND SAFE CONDITION AT ALL TIMES.
10. CONTRACTOR SHALL SUBMIT ALL SAMPLES AND COLOR SELECTIONS TO ARCHITECT FOR APPROVAL.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY CONSTRUCTION WORK AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

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Tuscaloosa, AL 35401
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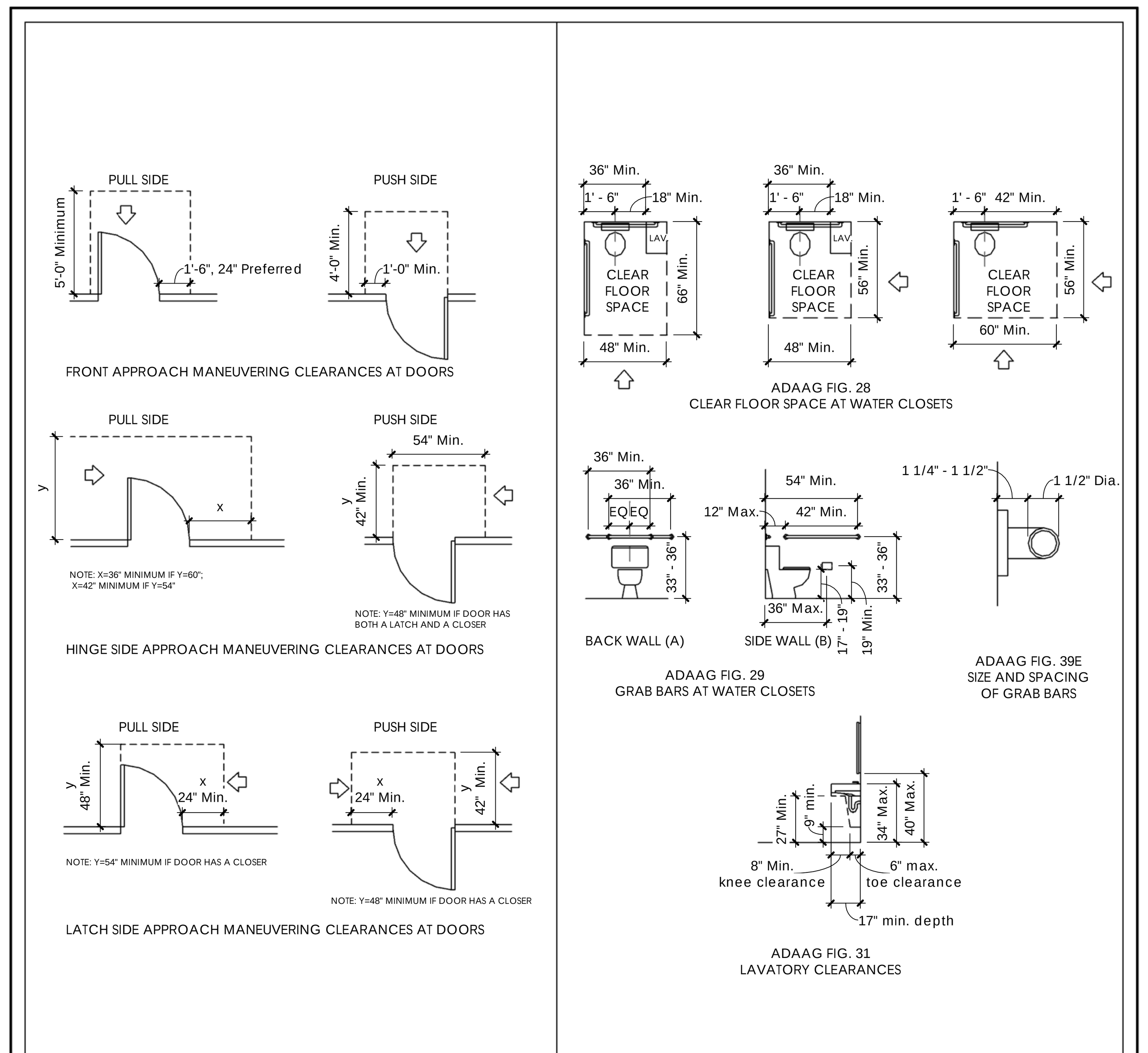
STANDARD ACCESS GUIDELINE DETAILS



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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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Title Sheet

SHEET NUMBER T1.0

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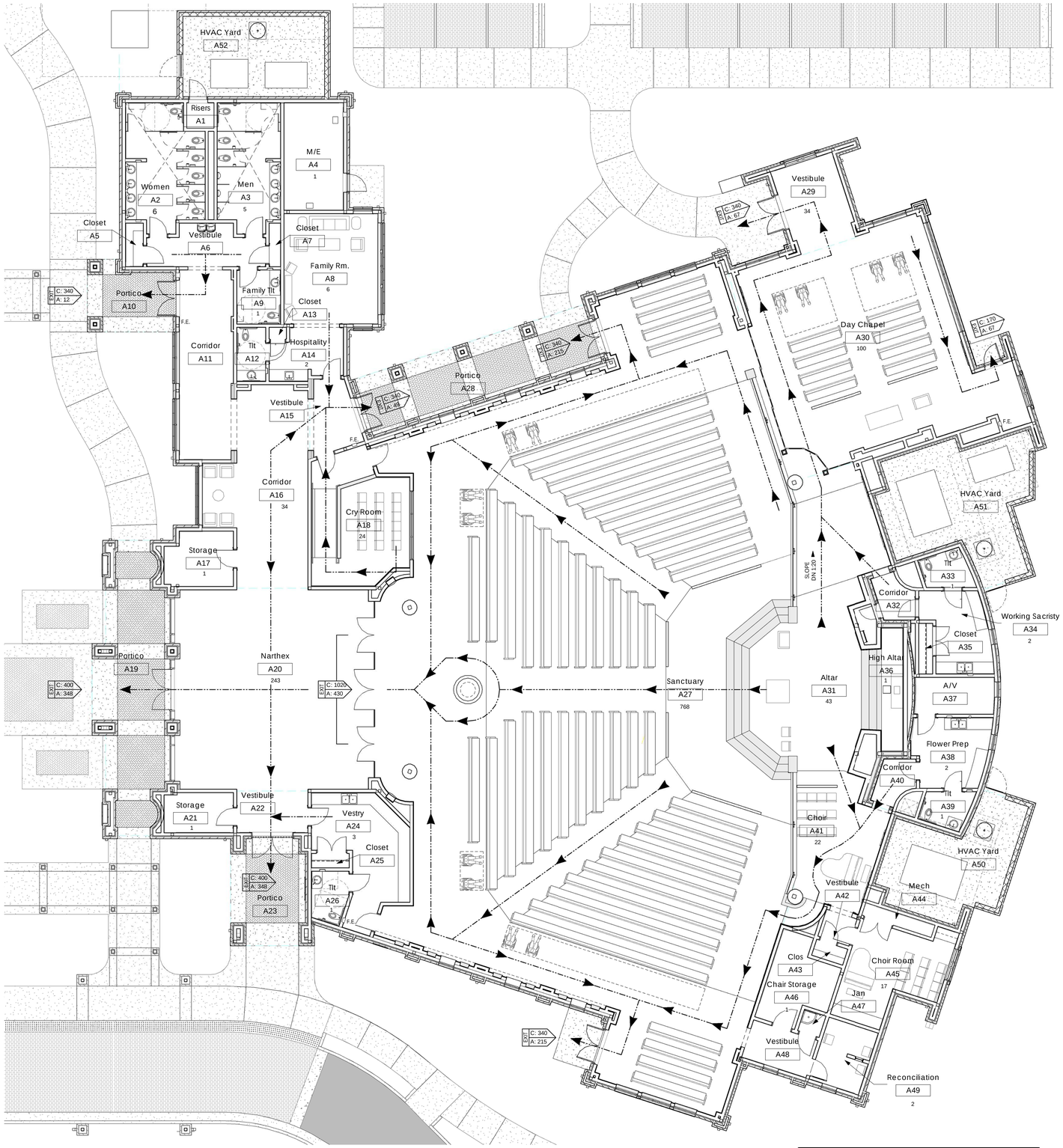

1 Floor Plan - Life Safety
LS1.1 1/8" = 1'-0"

NOTE: FURNITURE SHOWN IN THIS PLAN IS FOR REFERENCE ONLY. FURNITURE IS NOT IN CONTRACT.

FIRE PROTECTION / LIFE SAFETY LEGEND

- EGRESS PATH / DIRECTION OF TRAVEL
- FIRE EXTINGUISHER CABINET
- EXT C: CAPACITY / A: ACTUAL — EGRESS CAPACITY

BUILDING CLASSIFICATIONS

INTERNATIONAL BUILDING CODE 2009

BUILDING INFORMATION

OCCUPANCY	TYPE OF CONSTRUCTION	ALLOWABLE STORIES	STORIES PROVIDED
ASSEMBLY A-3	TYPE III-B SPRINKLERED	2 STORIES	1 STORY

FLOOR AREAS

LEVEL / FLOOR	ALLOWABLE FLOOR AREAS	FLOOR AREAS PROVIDED
FIRST FLOOR	38,000 SF	17,830 SF

AS PER TABLE 503 AND SEC 506.3

FIRE RESISTANCE REQUIREMENTS

INTERNATIONAL BUILDING CODE 2009

BUILDING TYPE III-B UNSPRINKLERED COMPONENT	RATING REQUIRED	RATING PROVIDED	ASSEMBLY NUMBER
PRIMARY STRUCTURAL FRAME -INCLUDING COLUMNS, GIRDERS, & TRUSSES	0	0	N/A
BEARING WALLS EXTERIOR INTERIOR	2[A] 0	0 0	N/A N/A
NONBEARING WALLS AND PARTITIONS EXTERIOR	1[B]	0	N/A
NONBEARING WALLS AND PARTITIONS INTERIOR	0	0	N/A
ROOF CONSTRUCTION -INCLUDING SUPPORTING BEAMS & JOISTS	0	0	N/A

A) BUILDING DOES NOT CONTAIN ANY EXTERIOR BEARING WALLS.
B) TABLE 602 - X > 30 - FIRE RESISTANCE RATING = 0

BUILDING OCCUPANT LOAD

INTERNATIONAL BUILDING CODE 2009

OCCUPANCY	SQUARE FOOTAGE	SF PER OCCUPANT	OCCUPANT LOAD
ASSEMBLY A-3	17,825 SF	SEE OCCUPANT LOAD CHART	1,322
	FIRST FLOOR TOTAL OCCUPANTS		**1,322**

AS PER TABLE 1004.1.1

PLUMBING FIXTURE REQUIREMENTS

INTERNATIONAL BUILDING CODE 2009

	WATER CLOSETS				LAVATORIES		WATER FOUNTAINS	
	REQUIRED		PROVIDED		REQUIRED	PROVIDED	REQUIRED	PROVIDED
OCCUPANT LOAD 1,322	M	F	M	F	8	13	2	2
	5	9	8	9				

AS PER TABLE 2902.1
*ONE (1) SERVICE SINK TO BE PROVIDED FOR BUILDING

MEANS OF EGRESS REQUIREMENTS

INTERNATIONAL BUILDING CODE 2009

OCCUPANT LOAD	MINIMUM NO. OF EXITS REQUIRED	NUMBER OF EXITS PROVIDED	MINIMUM EXIT WIDTH REQUIRED	EXIT WIDTH PROVIDED	MINIMUM STAIR WIDTH REQUIRED	STAIR WIDTH PROVIDED	MAXIMUM DISTANCE TO EXITS ALLOWED
1,322	4	8	265"	524"	N/A	N/A	250 FEET

AS PER TABLES 1005.1, 1014.1, 1015.1, 1016.1, 1018.1

OCCUPANT LOAD

Number	Name	Area	Occupancy	Occupant
A1	Risers	21 SF		
A2	Women	273 SF	50 nsf	6 Per
A3	Men	237 SF	50 nsf	5 Per
A4	M/E	193 SF	300 nsf	1 Per
A5	Closet	23 SF		
A6	Vestibule	128 SF		
A7	Closet	15 SF		
A8	Family Rm.	314 SF	50 nsf	6 Per
A9	Family Tlt	72 SF	50 nsf	1 Per
A10	Portico	152 SF		
A11	Corridor	304 SF		
A12	Tlt	48 SF		
A13	Closet	6 SF		
A14	Hospitality	105 SF	50 nsf	2 Per
A15	Vestibule	89 SF		
A16	Corridor	505 SF	15 nsf	34 Per
A17	Storage	110 SF	300 nsf	1 Per
A18	Cry Room	355 SF	15 nsf	24 Per
A19	Portico	515 SF		
A20	Narthex	1214 SF	5 nsf	243 per
A21	Storage	83 SF	300 nsf	1 Per
A22	Vestibule	90 SF		
A23	Portico	217 SF		
A24	Vestry	272 SF	100 nsf	3 Per
A25	Closet	16 SF		
A26	Tlt	54 SF	50 nsf	1 Per
A27	Sanctuary	7918 SF	18"/ Per + 70	768 Per
A28	Portico	417 SF		
A29	Vestibule	170 SF	5 nsf	34 Per
A30	Day Chapel	1320 SF	18"/ Per + 30	100 Per
A31	Altar	751 SF	15 nsf	43 Per
A32	Corridor	45 SF		
A33	Tlt	50 SF	50 nsf	1 Per
A34	Working Sacristy	146 SF	100 nsf	2 Per
A35	Closet	21 SF		
A36	High Altar	89 SF	100 nsf	1 Per
A37	A/V	88 SF		
A38	Flower Prep	154 SF	100 nsf	2 Per
A39	Tlt	50 SF	50 nsf	1 Per
A40	Corridor	46 SF		
A41	Choir	342 SF	15 nsf	22 Per
A42	Vestibule	28 SF		
A43	Clos	16 SF		
A44	Mech	29 SF		
A45	Choir Room	250 SF	15 nsf	17 Per
A46	Chair Storage	147 SF	300 nsf	1 Per
A47	Jan	15 SF		
A48	Vestibule	80 SF		
A49	Reconciliation	100 SF	50 nsf	2 Per
A50	HVAC Yard	360 SF		
A51	HVAC Yard	489 SF		
A52	HVAC Yard	345 SF		
A53	HVAC Yard	148 SF		

TOTAL: 1,322 PER

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New Construction of:

New Sanctuary

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Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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REGISTERED ARCHITECT

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Life Safety Plan

SHEET NUMBER LS1.1

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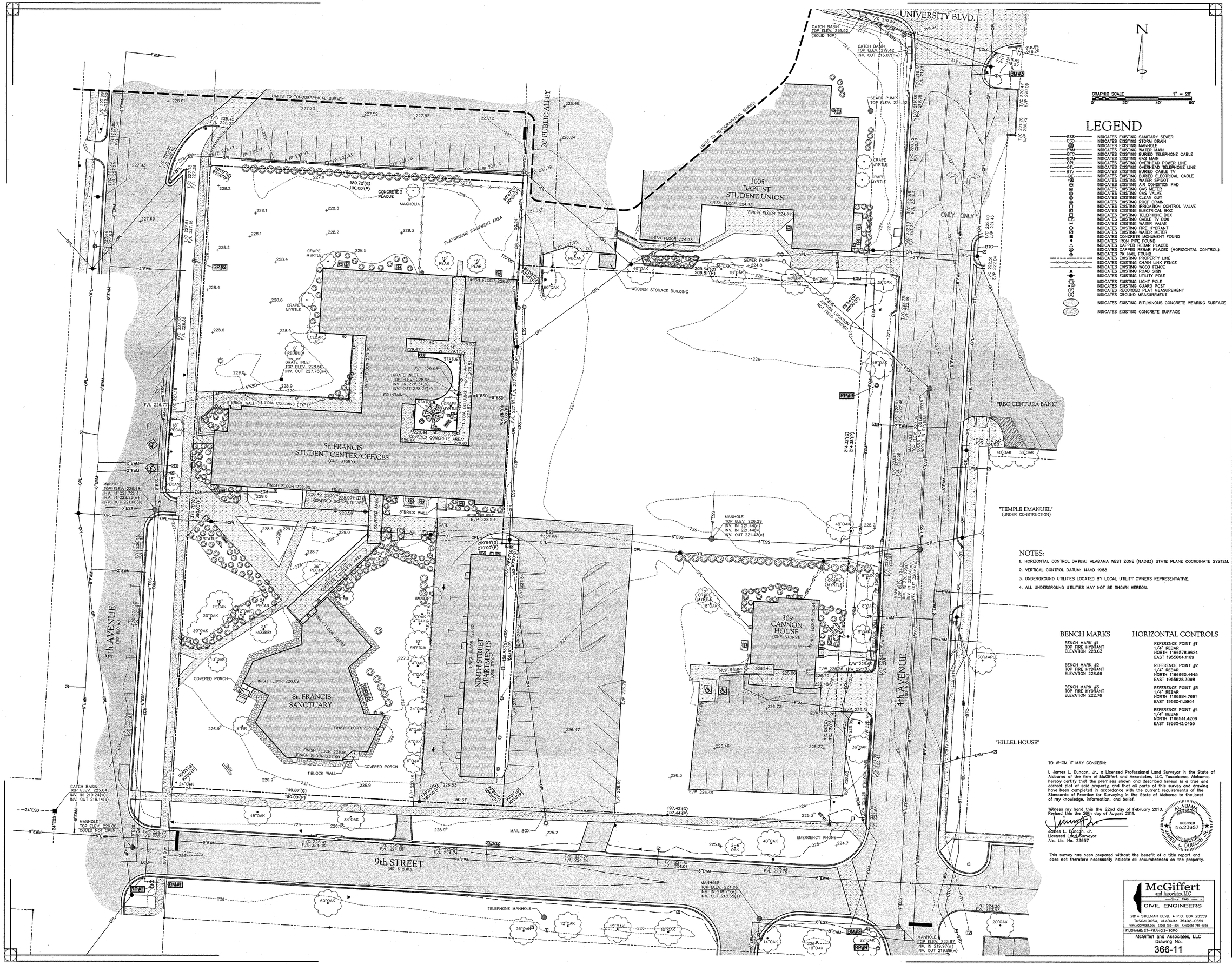

LEGEND

- INDICATES EXISTING SANITARY SEWER
- INDICATES EXISTING STORM DRAIN
- INDICATES EXISTING MANHOLE
- INDICATES EXISTING WATER MAIN
- INDICATES EXISTING BURIED TELEPHONE CABLE
- INDICATES EXISTING GAS MAIN
- INDICATES EXISTING OVERHEAD POWER LINE
- INDICATES EXISTING OVERHEAD TELEPHONE LINE
- INDICATES EXISTING BURIED CABLE TV
- INDICATES EXISTING BURIED ELECTRICAL CABLE
- INDICATES EXISTING WATER SPIGOT
- INDICATES EXISTING AIR CONDITION PAD
- INDICATES EXISTING GAS METER
- INDICATES EXISTING GAS VALVE
- INDICATES EXISTING CLEAN OUT
- INDICATES EXISTING ROOF DRAIN
- INDICATES EXISTING IRRIGATION CONTROL VALVE
- INDICATES EXISTING ELECTRICAL BOX
- INDICATES EXISTING TELEPHONE BOX
- INDICATES EXISTING CABLE TV BOX
- INDICATES EXISTING WATER VALVE
- INDICATES EXISTING FIRE HYDRANT
- INDICATES EXISTING WATER METER
- INDICATES CONCRETE MONUMENT FOUND
- INDICATES IRON PIPE FOUND
- INDICATES CAPPED REBAR PLACED
- INDICATES CAPPED REBAR PLACED (HORIZONTAL CONTROL)
- INDICATES PK NAIL FOUND
- INDICATES EXISTING PROPERTY LINE
- INDICATES EXISTING CHAIN LINK FENCE
- INDICATES EXISTING WOOD FENCE
- INDICATES EXISTING ROAD SIGN
- INDICATES EXISTING UTILITY POLE
- INDICATES EXISTING LIGHT POLE
- INDICATES EXISTING GUARD POST
- INDICATES RECORDED PLAT MEASUREMENT
- INDICATES GROUND MEASUREMENT
- INDICATES EXISTING BITUMINOUS CONCRETE WEARING SURFACE
- INDICATES EXISTING CONCRETE SURFACE

NOTES:

1. HORIZONTAL CONTROL DATUM: ALABAMA WEST ZONE (NAD83) STATE PLANE COORDINATE SYSTEM.
2. VERTICAL CONTROL DATUM: NAVD 1988
3. UNDERGROUND UTILITIES LOCATED BY LOCAL UTILITY OWNERS REPRESENTATIVE.
4. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN HEREON.

BENCH MARKS

BENCH MARK #1
TOP FIRE HYDRANT
ELEVATION 228.03

BENCH MARK #2
TOP FIRE HYDRANT
ELEVATION 226.99

BENCH MARK #3
TOP FIRE HYDRANT
ELEVATION 222.76

HORIZONTAL CONTROLS

REFERENCE POINT #1
1/4" REBAR
NORTH 1166578.9624
EAST 1955604.1169

REFERENCE POINT #2
1/4" REBAR
NORTH 1166980.4445
EAST 1955628.3098

REFERENCE POINT #3
1/4" REBAR
NORTH 1166884.7681
EAST 1956041.5804

REFERENCE POINT #4
1/4" REBAR
NORTH 1166541.4206
EAST 1956043.0455

TO WHOM IT MAY CONCERN:

I, James L. Duncan, Jr., a Licensed Professional Land Surveyor in the State of Alabama of the firm of McGiffert and Associates, LLC, Tuscaloosa, Alabama, hereby certify that the premises shown and described hereon is a true and correct plat of said property, and that all parts of this survey and drawing have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Alabama to the best of my knowledge, information, and belief.

Witness my hand this the 22nd day of February 2010.
Revised this the 26th day of August 2011.

James L. Duncan, Jr.
Licensed Land Surveyor
Ala. Lic. No. 23657

ALABAMA LICENSED No.23657 JAMES L. DUNCAN JR.

This survey has been prepared without the benefit of a title report and does not therefore necessarily indicate all encumbrances on the property.

McGiffert and Associates, LLC
Since 1949
CIVIL ENGINEERS
2814 STILLMAN BLVD. ◆ P.O. BOX 20559
TUSCALOOSA, ALABAMA 35402-0559
WWW.MCGIFFERT.COM (205) 758-1521 FAX(205) 758-1524
FILENAME: ST-FRANCIS-TOPO
McGiffert and Associates, LLC Drawing No. 366-11

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St. Francis LDP set

New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

APPROVED
JAN 26 2012
CITY ENGINEER
Joseph A. Robinson

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TOPOGRAPHICAL SURVEY	
SHEET NUMBER C1.0	

UTILITY COMPANY CONTACTS

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REGGIE LUNCEFORD
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COTTONDALE, ALABAMA 35453
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(205) 633-2100 (REGGIE LUNCEFORD)

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COMCAST CABLE
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MOBILE:(205) 233-4181

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POWER TRANSMISSION
ALABAMA POWER COMPANY
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CITY OF TUSCALOOSA CONTACTS

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OFFICE OF THE CITY ENGINEER(OCE)
WATER DISTRIBUTION ENGINEER
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OFFICE OF THE CITY ENGINEER(OCE)
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TRAFFIC ENGINEER
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TUSCALOOSA DEPARTMENT OF TRANSPORTATION
CONTACT: TERA WYATT, P.E.
TDOT DIRECTOR
1000 28TH AVENUE
TUSCALOOSA, ALABAMA 35401
(205) 248-5800

GENERAL PROJECT NOTES:

1. THE CONTRACTOR SHALL INSTALL TEMPORARY ASPHALT PATCHING WITHIN 24 HOURS AFTER THE COMPLETED INSTALLATION OF UTILITY CROSSING ON ROADWAYS OPEN TO TRAFFIC. IF THE ROADWAY IS CLOSED TO TRAFFIC THEN ALL ASPHALT CUT LOCATIONS SHALL BE PATCHED BEFORE THE ROADWAY IS REOPENED. THE CONTRACTOR SHALL NOT BE ALLOWED TO INSTALL ALL UTILITIES AND THEN TEMPORARY ASPHALT PATCH ALL AT ONE TIME. TEMPORARY ASPHALT PATCHING MUST OCCUR PERIODICALLY AS REFERENCED ABOVE.

2. WHEN TEMPORARY ASPHALT PATCHING OCCURS, THE MIX SHALL BE HOT MIXED AS SPECIFIED IN THE PLANS. ASPHALT COLD MIXES SHALL NOT BE ACCEPTED. POORLY PATCHED CROSSINGS DISPLAYING NONUNIFORM, UNSMOOTH FINISHES SHALL NOT BE ACCEPTED AND SHALL BE REMOVED AT ONCE. THE REPATCH OF THE AREA SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.

3. THE CONTRACTOR SHALL KEEP THE PROJECT CLEAN FROM TRASH AND DEBRIS. PLACEMENT/DISCARDING OF TRASH AND REFUSE IN UTILITY TRENCHES AND/OR OTHER EXCAVATIONS ASSOCIATED WITH THE PROJECT SHALL BE PROHIBITED. THE CONTRACTOR SHALL PROVIDE TRASH RECEPTACLES FOR WORKER USE. THE ROADWAYS AND SIDEWALKS SHALL BE SWEPT AND WASHED DOWN EACH DAY IF NECESSARY TO LIMIT THE TRACKING OF DIRT THROUGH THE PROJECT.

4. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE ABUTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT RIGHT-OF-WAY TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.

5. EXISTING SANITARY SEWER, STORM DRAIN, WATER DISTRIBUTION/FIRE PROTECTION, ETC. INFRASTRUCTURE TO BE RETAINED AS PART OF THIS PROJECT SHALL BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THESE STRUCTURES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

6. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AND RECORD DRAWINGS (STORM DRAIN STRUCTURES, PIPE INVERTS, FINISHED SUBGRADE AT THE BUILDING SITE, ETC.) FOR THE PROJECT. ALL STAKING AND RECORD DRAWINGS SHALL BE PERFORMED BY A LICENSED, PROFESSIONAL SURVEYOR IN THE STATE OF ALABAMA. A COPY OF THE SURVEYOR'S LICENSE SHALL BE PROVIDED TO THE OWNER WITH OTHER REQUIRED SUBMITTALS. THE OWNER SHALL PROVIDE DIGITAL FILES AND FIELD CONTROL AS NECESSARY FOR THE LICENSED SURVEYOR'S USE.

7. THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC/PARKING DISRUPTIONS WITH THE UNIVERSITY OF ALABAMA TRAFFIC AND PARKING SERVICES, (205) 348-5471, ATTN: MR. RONNIE ROBERTSON AND THE TUSCALOOSA DEPARTMENT OF TRANSPORTATION. A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COST ASSOCIATED WITH TRAFFIC CONTROL.

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC DEMOLITION ELEMENTS WITHIN THE CONSTRUCTION LIMITS. ALL REQUIRED DEMOLITION DETAILS MAY NOT BE SPECIFIED WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND/OR REMOVAL OF ANY ITEMS WITHIN CONSTRUCTION LIMITS.

9. DUE TO PHASING/SEQUENCING, THE PROPOSED CONSTRUCTION FENCING INSTALLATION MAY REQUIRE MULTIPLE MOBILIZATION EFFORTS BY THE FENCE INSTALLER. NO ADDITIONAL PAYMENT WILL BE MADE FOR MULTIPLE MOBILIZATIONS ASSOCIATED WITH THE CONSTRUCTION FENCE INSTALLATION.

STORM DRAIN NOTES:

1. THE COST OF INVERTS AND STEPS SHALL BE INCLUDED IN THE PRICE FOR STORM STRUCTURES INCLUDING, BUT NOT LIMITED TO, S-INLETS, JUNCTION BOXES, GRATE INLETS, ETC. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR INVERTS AND STEPS.

2. THE COST OF RINGS AND COVERS SHALL BE INCLUDED IN THE PRICE FOR STORM SEWER STRUCTURES INCLUDING, BUT NOT LIMED TO, S-INLETS, JUNCTION BOXES, GRATE INLETS. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR RINGS AND COVERS.

3. STORM DRAIN STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING AND/OR THROAT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

4. ALL STORM DRAIN STRUCTURES ARE REQUIRED TO HAVE REBAR REINFORCEMENT IN THE WALLS, BOTTOM, AND TOP. ALTHOUGH THE TOPS VARY FOR AN S-INLET, GRATE INLET, AND JUNCTION BOX, THE BOX ITSELF IS THE SAME AND REBAR REINFORCEMENT SHALL BE PLACED PER THE STANDARD DETAIL AND NOTES.

5. STORM STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE STORM STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.

6. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS OF EXISTING UTILITIES BEFORE INSTALLATION REQUIRED STORM DRAIN STRUCTURES AND PIPING. THE ELEVATIONS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE FOR DESIGN VERIFICATION AND ADJUSTMENTS. IF THE CONTRACTOR DOES NOT POTHOLE AND SHOOT EXISTING UTILITY ELEVATIONS FOR DESIGN VERIFICATION, ANY RECONSTRUCTION SHALL BE HIS RESPONSIBILITY.

7. ALL REQUIRED STORM STRUCTURE TOPS WITHIN PAVED AREA SHALL MATCH TOP OF CURB ELEVATIONS AND/OR ASPHALT FINISHED GRADE DEPENDING ON BOX LOCATION.

8. MANHOLE RING AND COVERS SHALL BE ORIENTED TO ENSURE THE BEST ACCESS TO THE MANHOLE STEPS (i.e. RING AND COVER SITUATED AS CLOSE TO WALL/STEPS AS POSSIBLE). FAILURE TO ORIENT CORRECTLY SHALL RESULT IN CORRECTION AT THE CONTRACTOR'S EXPENSE.

PAVING, SIGNING AND STRIPING NOTES:

1. THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENTS JOIN TO EXISTING CLEANLY.

2. ALL COMBINATION CURB AND GUTTER SHALL BE TWO (2) FEET IN WIDTH UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. EXISTING CURB AND GUTTER VARIES IN WIDTH AND PROPOSED CURB AND GUTTER SHALL BE TAPERED TO JOIN TO IT OVER A MINIMUM DISTANCE OF FIVE (5) FEET TO ENSURE A SMOOTH TRANSITION.

3. ALL SIGNS, POSTS, STRIPING, MARKINGS, ETC. SHALL BE OF COLOR AND TYPE SHOWN AND SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, UNLESS OTHERWISE NOTED.

4. ALL SIGNS SHALL MEET THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL SIGN POSTS SHALL BE 3" x 3" x 12 GA." SQUARE TUBING PER DETAIL.

5. ALL TRAFFIC STRIPES SHALL BE 6" WIDE UNLESS OTHERWISE NOTED.

PAYMENT NOTES:

1. PAYMENT FOR DISPOSAL OF UNSUITABLE MATERIAL "IF ENCOUNTERED" SHALL BE MADE AT THE UNIT PRICE BID, PER CUBIC YARD IN PLACE (CYIP) REMOVED, AND SHALL BE COMPENSATION IN FULL FOR FURNISHING ALL MATERIALS, EQUIPMENT, TOOLS, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. PAYMENT FOR THIS ITEM WILL INCLUDE REMOVAL OF UNSUITABLE MATERIAL AND PLACEMENT OF OFF-SITE BORROW EXCAVATION REQUIRED TO RETURN THE GROUND BACK TO ITS ORIGINAL ELEVATION IN THE EVENT UNSUITABLE MATERIAL IS ENCOUNTERED ON-SITE. THE OWNER'S GEOGRAPHICAL REPRESENTATIVE SHALL DETERMINE IF EXISTING MATERIAL IS CONSIDERED UNSUITABLE AND HAUL TICKETS SHALL NOT BE CONSIDERED A VALID DETERMINATION OF QUANTITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE BEFORE ANY UNSUITABLE MATERIAL IS EXCAVATED, SO THE AREA MAY BE DELINEATED AND REMOVAL DEPTHS MEASURED TO DERIVE THE CUBIC YARDS OF REMOVAL FOR PAYMENT. FAILURE TO NOTIFY OWNER'S REPRESENTATIVE AND PERFORMING UNSUITABLE EXCAVATION/FILLING OPERATIONS WITHOUT HIS/HER PRESENCE FOR MEASUREMENT SHALL FORFEIT PAYMENT OF THAT AMOUNT OF UNOBSERVED WORK.

WATER DISTRIBUTION NOTES:

1. THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM IS OWNED AND OPERATED BY THE CITY OF TUSCALOOSA. THE CONTRACTOR SHALL NOT AT ANY TIME TURN ON/OFF EXISTING WATER VALVES AND FIRE HYDRANTS. THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER (OCE), WATER DISTRIBUTION DIVISION PERSONNEL SHALL OPERATE ALL VALVING AT ALL TIMES. TAPS AND CONNECTIONS TO EXISTING MAINS SHALL BE APPROVED AND COORDINATED WITH OCE, WATER DISTRIBUTION DIVISION. ANY FINES AND/OR PENALTIES INCURRED BY THE CONTRACTOR FOR IMPROPER OPERATION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR (APPLIES TO CONTRACTOR AND ALL SUBCONTRACTORS).

2. THE CITY OF TUSCALOOSA OFFICE OF THE CITY ENGINEER (OCE), WATER DISTRIBUTION, OWNER'S REPRESENTATIVE, AND LOCAL WATER CUSTOMERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE BEFORE ANY WATER DISTRIBUTION IMPROVEMENTS BEGIN.

3. ALL MAINS AND SERVICE LINES SHALL HAVE 36" MINIMUM COVER. ALL MAINS AND SERVICES LINES WITHIN ALABAMA DEPARTMENT OF TRANSPORTATION R.O.W. SHALL HAVE 48" MINIMUM COVER.

4. THE CONTRACTOR SHOULD ALLOW FOR ADEQUATE PROCESSING TIME (APPROX. 3 WEEKS) OF THE CITY OF TUSCALOOSA WATERMAIN EXTENSION APPLICATION. NO WORK CAN COMMENCE ON WATERMAIN CONSTRUCTION ELEMENTS UNTIL THE CITY OF TUSCALOOSA AUTHORIZED SUCH WORK.

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMITS FOR THIS PROJECT AND PROVIDING THE QUALIFIED CREDENTIALED PROFESSIONAL (QCP) AND/OR QUALIFIED CREDENTIALED INSPECTOR (QCI) TO PERFORM INSPECTIONS AS REQUIRED BY THE PERMITS. THE COSTS OF INSPECTIONS AND ASSOCIATED DOCUMENTATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE NECESSARY BEST MANAGEMENT PRACTICES (BMP'S) AND PERFORM THE WORK AS REQUIRED BY THE QCP/QCI TO ENSURE PERMIT REQUIREMENTS ARE MET. THE CONTRACTOR SHALL PROVIDE THE OWNER'S REPRESENTATIVE WITH STORM WATER INSPECTION REPORTS WITHIN 48 HOURS OF EACH RAIN EVENT WHICH REQUIRES INSPECTION. THE OWNER RETAINS THE RIGHT TO SUPPLEMENT THE CONTRACTOR'S FORCES AT THE CONTRACTOR'S EXPENSE IN THE EVENT THE CONTRACTOR DOES NOT SATISFY THE NPDES INSPECTION COMMENTS. UPON COMPLETION OF THE PROJECT AND STABILIZATION OF THE SITE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLOSE THE NPDES PERMITS.

2. THE PROJECT AREA SHALL REMAIN CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO KEEP THE PROJECT AREA CLEAN INCLUDING MOTORIZED STREET SWEEPERS, WATER AND VACUUM TRUCKS, HAND SWEEPING AND SHOVELING, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADDRESS THIS ISSUE EACH DAY INCLUDING WEEKENDS AND SPECIFICALLY BEFORE AND AFTER RAIN EVENTS.

3. THE CONTRACTOR SHALL IDENTIFY ENTRANCE/EXIT LOCATIONS FOR EQUIPMENT AND INSTALL TEMPORARY GRAVEL DRIVES TO REDUCE TRACKING ONTO PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS CLEAN OF ANY SEDIMENT FROM THE CONSTRUCTION SITE.

4. THE CONTRACTOR SHALL INSTALL STONE AND/OR STABILIZE EXISTING ENTRANCE/EXIT AS NECESSARY. ALL STONES FOR CONSTRUCTION ENTRANCE/EXIT ARE CONSIDERED INCIDENTAL REGARDLESS THE NUMBER OF TIMES FRESH STONE IS REQUIRED FOR EROSION CONTROL MEASURES.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION. AN EROSION CONTROL PLAN IS PROVIDED AS A MINIMUM GUIDE FOR PROVIDING STRUCTURAL BMP'S. PHASING, TEMPORARY GRASSING, AND OTHER METHODS AS PROVIDED IN THE "ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT" SHALL BE UTILIZED TO MINIMIZE EROSION. NO EXTRA COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR MAINTAINING EROSION CONTROL ITEMS, ADDITIONAL EROSION CONTROL ITEMS OR ADDITIONAL EROSION ITEMS REQUIRED TO COMPLY WITH THE NPDES PERMIT.

6. ALL TEMPORARY RIP-RAP USED FOR EROSION CONTROL PURPOSES SHALL BE INCLUDED IN THE PRICE OF EROSION CONTROL. TEMPORARY RIP-RAP BERMS SHALL BE SPREAD OUT TO NOT IMPEDE FLOW OF STORM DRAINS AFTER THE SITE IMPROVEMENTS ARE COMPLETE AND THE PROJECT IS STABILIZED. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR TEMPORARY RIP-RAP.

7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND KEEP CLEAN ALL EROSION CONTROL STRUCTURES UNTIL THE NPDES IS ACCEPTED AS COMPLETE BY ADEM AND IS CLOSED BY THE CONTRACTOR.

8. SILT FENCES SHALL HAVE SEDIMENT DEPOSITS REMOVED IF THEY REACH A DEPTH OF FIFTEEN INCHES (15") OR 1/2 THE HEIGHT OF THE FENCE. SEDIMENT REMOVED FROM THE SILT FENCE SHALL BE REMOVED FROM THE SITE.

9. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF GRADING OPERATIONS. ADEM REGULATIONS REQUIRE ALL DISTURBED AREAS NOT UNDERGOING ACTIVE DISTURBANCE OR ACTIVE CONSTRUCTION FOR LONGER THAN THIRTEEN (13) DAYS TO BE MULCHED AND SEEDED TO ESTABLISH TEMPORARY VEGETATIVE COVER.

Alabama 1 Call

GRADING NOTES:

1. ALL DISTURBED AREA SHALL HAVE A MINIMUM OF 4" TOPSOIL APPLIED, BE GRASSED AND MULCHED, AND/OR SODDED AS SOON AS FINAL GRADING IS COMPLETE. REFER TO EROSION CONTROL NOTES FOR TEMPORARY GRASSING AND MULCHING DURING GRADING OPERATIONS.

2. ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE COMPACTED IN LOOSE 6" LIFTS TO 98% AASHTO T-99.

3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY WHERE GRADING OPERATIONS ARE TO BE PERFORMED AS SHOWN. THE MAJORITY OF THE PROJECT WILL REQUIRE CLEARING AND REMOVAL OF EXISTING SIDEWALK, DRIVES, CURBS AND GUTTER, CURBING, TREE STUMP REMOVAL, TOPSOIL, GRADING, ETC. AS SHOWN THROUGHOUT THE PROJECT CONSTRUCTION PLANS AND CONTRACT DOCUMENTS.

4. ALL EXISTING WATER VALVES, UTILITY VAULT TOPS, METER BOXES, ROADWAY SIGNS, INFORMATIONAL SIGNS, ETC. SHALL BE REMOVED, STOCKPILED IN A SECURE LOCATION, AND/OR RESET FOR THE OWNER AS PER THE CONTRACT DOCUMENTS.

5. GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE, UNCLASSIFIED EXCAVATION AND BORROW EXCAVATION TO BRING THE SITE TO FINISHED SUBGRADE (ONLY LEAVING PAVEMENTS AND TOPSOIL TO REACH FINAL FINISHED GRADE) AS SHOWN ON THE CONSTRUCTION PLANS. NO EXTRA PAYMENT WILL BE MADE FOR EXCESS MATERIAL BROUGHT ON-SITE OR MATERIAL REQUIRED TO BE MOVED MULTIPLE TIMES BECAUSE OF CONSTRUCTION PHASING.

6. TOPSOIL SHALL BE INSTALLED IN VARYING DEPTHS IN MEDIANS, PLANTER AREAS, SHRUB BED AREAS, SODDED AREAS, ETC. AS DEFINED ON THE LANDSCAPE PLANS. THE UNIVERSITY OF ALABAMA LANDSCAPE ARCHITECT SHALL OBSERVE THE INSTALLATION OF TOPSOIL TO ENSURE PROPER DEPTHS AND QUALITY MATERIALS ARE INSTALLED. THE CONTRACTOR SHALL PAY CLOSE ATTENTION TO THE REQUIREMENTS FOR THE TOPSOIL IN TERMS OF NUTRIENTS, ETC. TOPSOIL PROPOSED TO BE USED SHALL HAVE A SAMPLE ANALYZED BY AN APPROVED LABORATORY (I.E. AUBURN UNIVERSITY, ETC.) AS PER LANDSCAPE SPECIFICATION. THE CONTRACTOR SHALL ALLOW AMPLE TIME FOR TESTING, DELIVERY OF TEST RESULTS, AND REVIEW AND INSTRUCTIONS.

TRAFFIC CONTROL NOTES:

1. ALL MATERIAL AND CONSTRUCTION SHALL COMPLY WITH CURRENT CITY OF TUSCALOOSA (OFFICE OF THE CITY ENGINEER) AND ALABAMA DEPARTMENT OF TRANSPORTATION STANDARDS AND POLICIES.

2. ALL MATERIAL USED FOR TEMPORARY TRAFFIC STRIPING SHALL COMPLY WITH SECTION 857 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

3. INSTALLATION OF ALL TEMPORARY TRAFFIC STRIPE SHALL COMPLY WITH SECTION 701 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

4. TEMPORARY TRAFFIC STRIPES SHALL BE REFLECTORIZED PAINT.

5. ROAD WORK AHEAD SIGNS SHALL BE POST MOUNTED ON ALL SIDE STREETS THAT FALL WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT.

6. LENGTH BETWEEN SIGNS SHALL VARY BASED ON MUTCD AND DESIGN SPEED. THE CONTRACTOR SHALL MODIFY AS PER MUTCD WHEN NECESSARY BASED ON LOCATION OF ROAD WORK.

7. ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. COST SHALL BE INCIDENTAL TO THE PROJECT.

8. THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.

9. THE TRAFFIC CONTROL PLAN (TCP) IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE MINIMUM TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.

10. ALL CONSTRUCTION EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF THIRTY (30) FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.

11. FLAGGERS ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.

12. FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.

13. THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.

14. DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA DESIGNATED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS AND WARNING LIGHTS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS.

15. ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPES IV, VII, OR VIII FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.

16. THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION. THE TRAFFIC CONTROL DEVICES INDICATED, REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D. PART VI.

PLAN LEGEND

R.O.W.	INDICATES EXISTING RIGHT-OF-WAY
	INDICATES EXISTING PROPERTY LINE
	INDICATES EXISTING SECTION LINE
	INDICATES EXISTING QUARTER-QUARTER SECTION LINE
	INDICATES EXISTING CHAINLINK FENCE
	INDICATES EXISTING TREE LINE
	INDICATES STANDARD 2' CURB AND GUTTER
	INDICATES REVERSE SLOPE GUTTER
-280-	INDICATES EXISTING CONTOUR LINE
-UE-	INDICATES EXISTING DIRECT BURIAL ELECTRIC CABLE
-BTC-	INDICATES EXISTING UNDERGROUND TELEPHONE CABLE
-CATV-	INDICATES EXISTING OVERHEAD CABLE TV
-EGM-	INDICATES EXISTING GAS MAIN
-ESD-	INDICATES EXISTING STORM SEWER
-ESS-	INDICATES EXISTING SANITARY SEWER
-EWM-	INDICATES EXISTING WATER MAIN
-TDOT-	INDICATES EXISTING UNDERGROUND TDOT CABLE
-OPL-	INDICATES EXISTING OVERHEAD POWER LINE
-TEL-	INDICATES EXISTING OVERHEAD TELEPHONE LINE
-ESM-	INDICATES EXISTING STEAM MAIN
-BTV-	INDICATES EXISTING BURIED TV CABLE
T	INDICATES EXISTING TELEPHONE MANHOLE
S	INDICATES EXISTING STEAM MANHOLE
E	INDICATES EXISTING ELECTRICAL MANHOLE
AC	INDICATES EXISTING AIR CONDITION PAD
LP	INDICATES EXISTING LIGHT POLE
E	INDICATES EXISTING ELECTRICAL BOX
TV	INDICATES EXISTING CABLE TV BOX
GM	INDICATES EXISTING GAS METER
GV	INDICATES EXISTING GAS VALVE
RD	INDICATES EXISTING ROOF DRAIN
SMH	INDICATES EXISTING SEWER MANHOLE
CO	INDICATES EXISTING CLEAN OUT
FH	INDICATES EXISTING FIRE HYDRANT
WM	INDICATES EXISTING WATER METER
IV	INDICATES EXISTING IRRIGATION VALVE
WS	INDICATES EXISTING WATER SPIGOT
WV	INDICATES EXISTING WATER VALVE
UP	INDICATES EXISTING UTILITY POLE
TP	INDICATES EXISTING TELEPHONE BOX
GP	INDICATES EXISTING GUARD POST
	INDICATES EXISTING ROAD SIGN
1/2"	INDICATES IRON PIPE FOUND(SIZE SHOWN)
	INDICATES REBAR FOUND
	INDICATES CONCRETE MONUMENT FOUND
	INDICATES EXISTING BITUMINOUS CONCRETE SURFACE
	INDICATES EXISTING CONCRETE SURFACE
	INDICATES EXISTING CRUSHED STONE SURFACE
-280-	INDICATES PROPOSED CONTOUR LINE
-PSD-	INDICATES PROPOSED STORM SEWER
-PSS-	INDICATES PROPOSED SANITARY SEWER
-PWM-	INDICATES PROPOSED WATER MAIN
-2-	INDICATES PROPOSED 4" SCH. 40 PVC SLEEVE
	INDICATES PROPOSED FIRE HYDRANT
	INDICATES PROPOSED WATER VALVE
PR	INDICATES PROPOSED BACKFLOW PREVENTOR
M	INDICATES PROPOSED METER
	INDICATES PROPOSED GRATE INLET
	INDICATES PROPOSED 24" DRAIN BASIN PED SAFE GRATE
	INDICATES PROPOSED 24" DRAIN BASIN SOLID TOP
	INDICATES PROPOSED JUNCTION BOX
	INDICATES PROPOSED SEWER MANHOLE
	INDICATES PROPOSED CURB AND GUTTER
	INDICATES PROPOSED CONCRETE PAVERS
	INDICATES PROPOSED BITUMINOUS CONCRETE SURFACE
	INDICATES PROPOSED CONCRETE SURFACE

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Drawing No.
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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 22708 JAMES W. DUNCAN III
1-25-12

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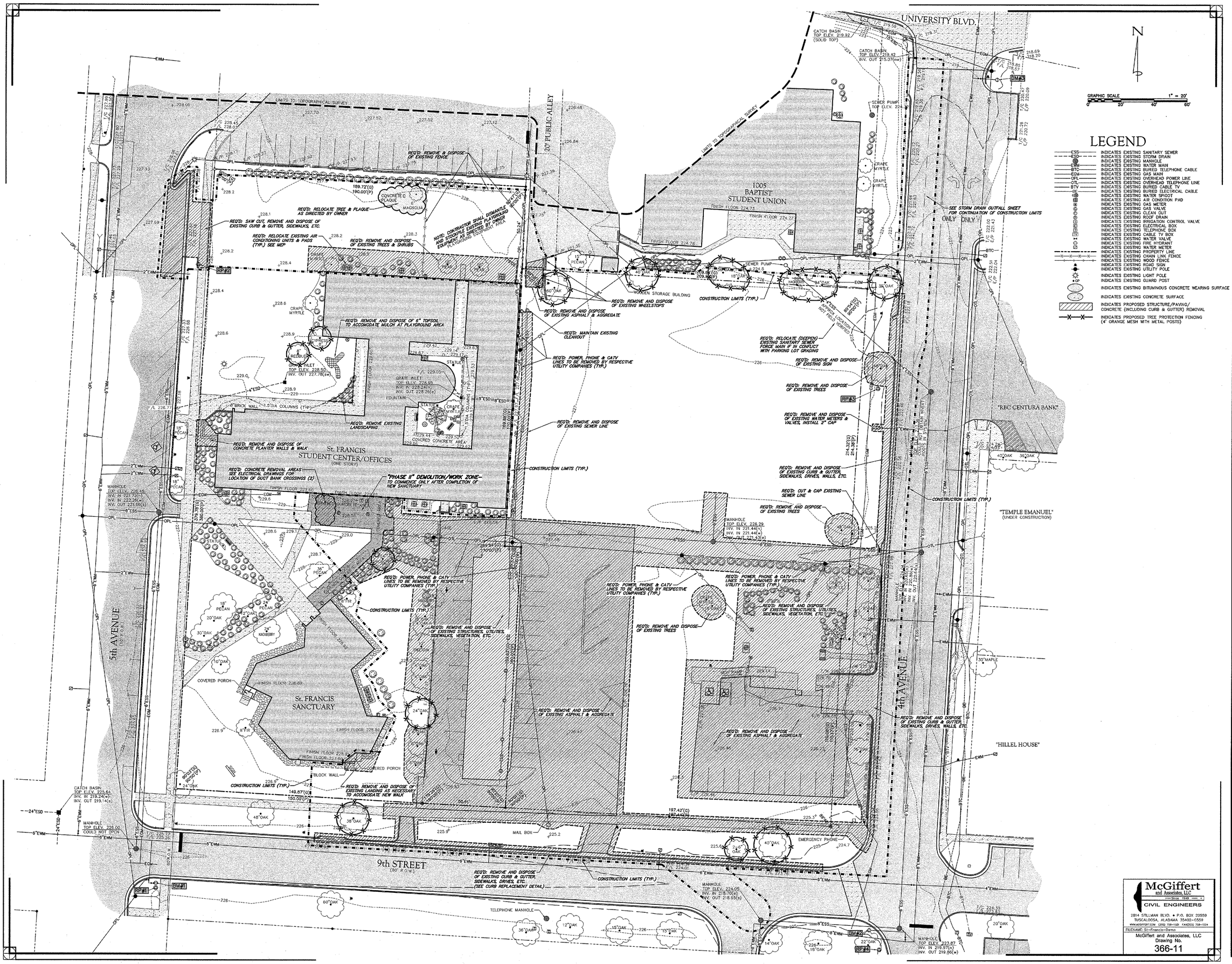
PROJECT NOTES & PLAN LEGEND

SHEET NUMBER C2.0



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New Construction of:

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SITE DEMOLITION PLAN

SHEET NUMBER C2.1

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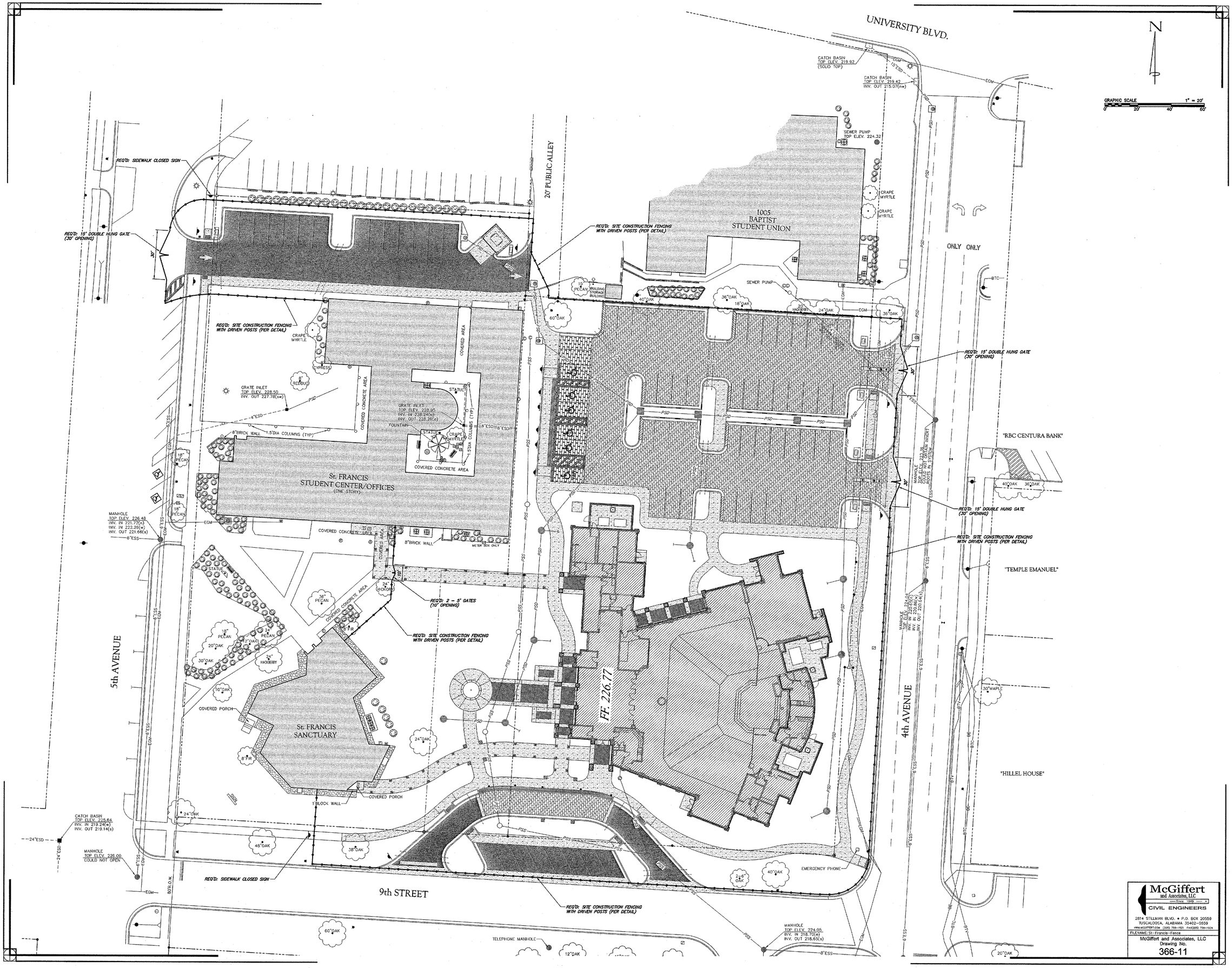

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CONSTRUCTION FENCING PLAN

SHEET NUMBER C2.2

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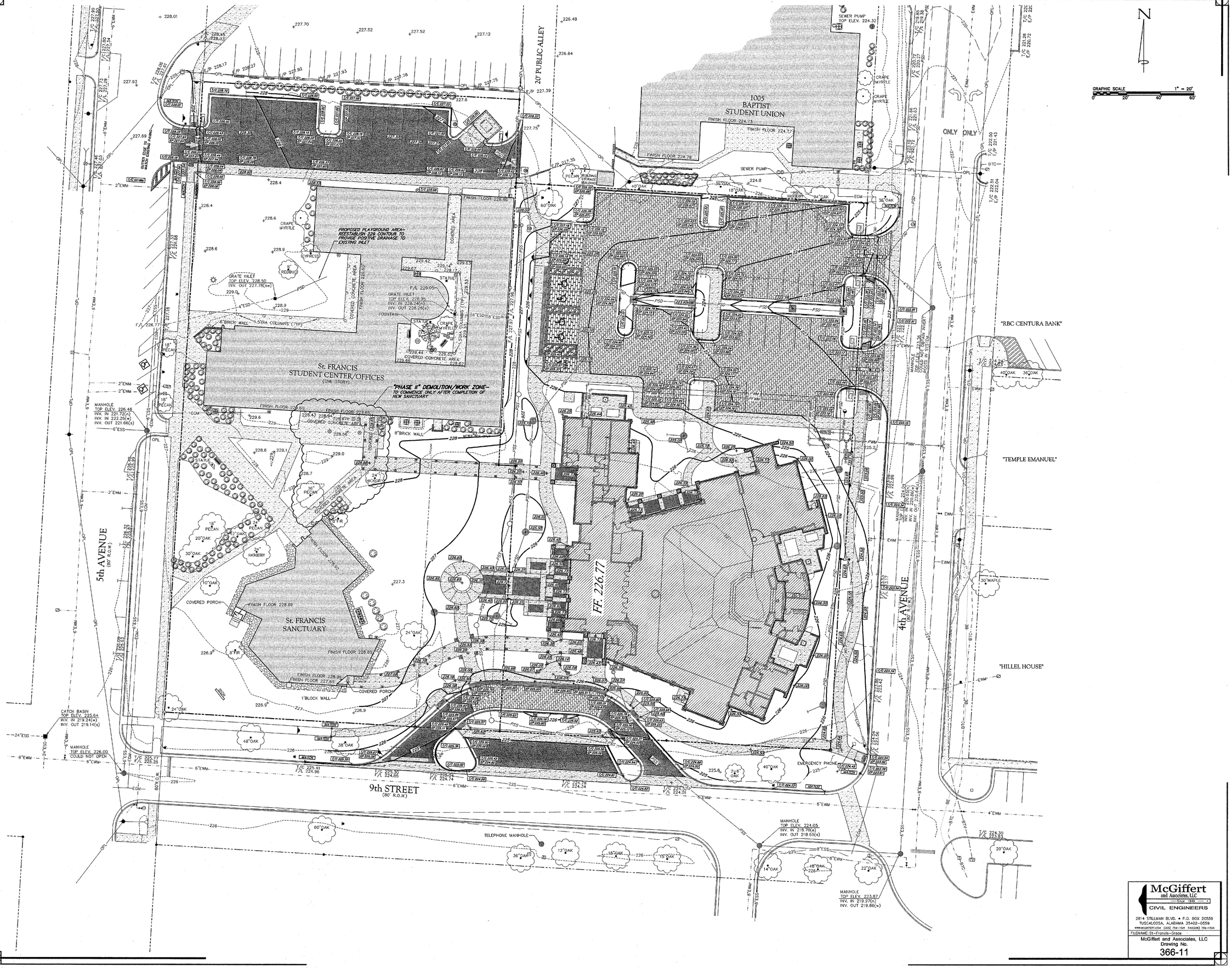

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New Construction of:

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JOB No.	08038
DATE:	REV DATE:
01/13/2012	
DRAWN BY:	DJT

SITE GRADING PLAN

SHEET NUMBER C3.0

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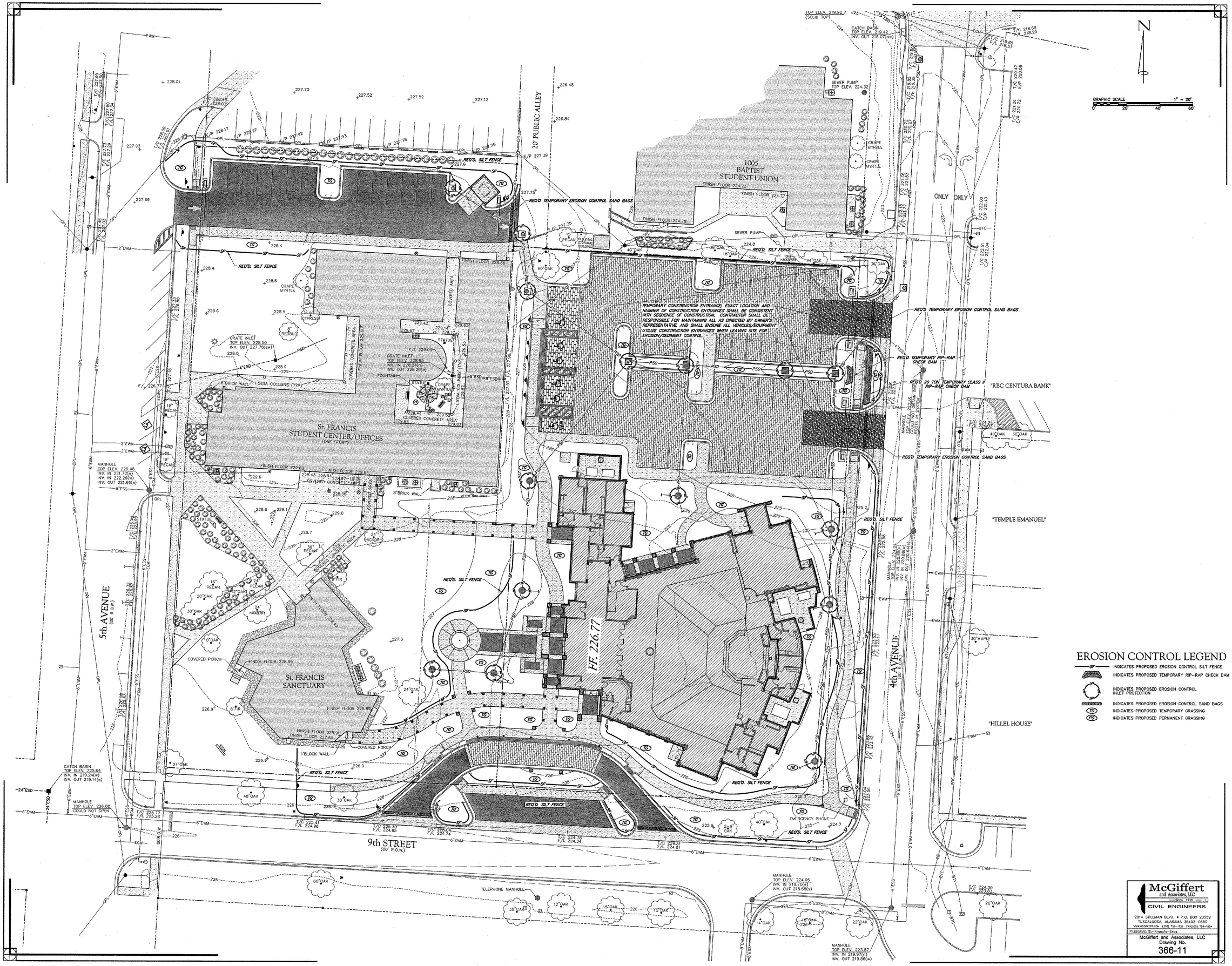
FILENAME: St-Francis-Grade
McGiffert and Associates, LLC Drawing No.
366-11



EROSION CONTROL LEGEND

- INDICATES PROPOSED EROSION CONTROL SILT FENCE
- INDICATES PROPOSED TEMPORARY RIP-RAP CHECK DAM
- INDICATES PROPOSED EROSION CONTROL INLET PROTECTION
- INDICATES PROPOSED EROSION CONTROL SAND BAGS
- TG INDICATES PROPOSED TEMPORARY GRASSING
- PG INDICATES PROPOSED PERMANENT GRASSING

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED No. 26720 PROFESSIONAL ENGINEER JAMES T. DUNCAN 1-25-12

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EROSION CONTROL PLAN

SHEET NUMBER C3.1

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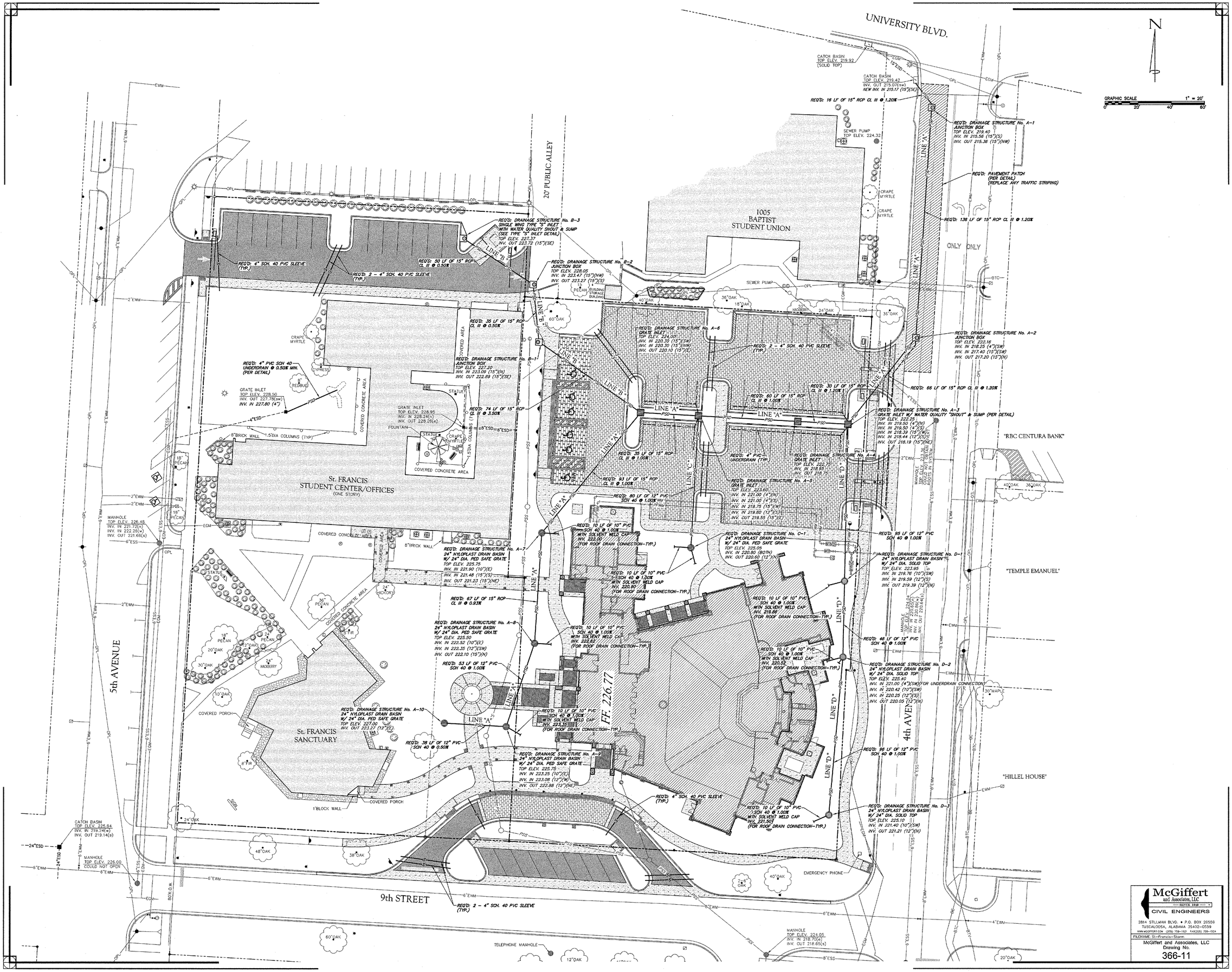
FILENAME: St.-Francis-Eros
McGiffert and Associates, LLC
Drawing No.
366-11



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STORM DRAINAGE PLAN

SHEET NUMBER C3.2

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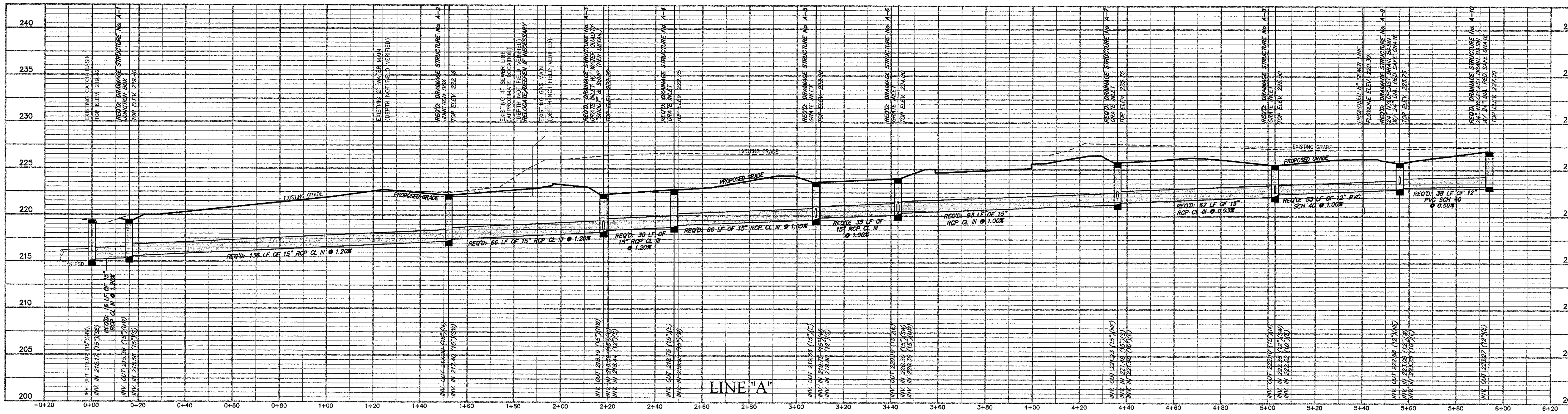
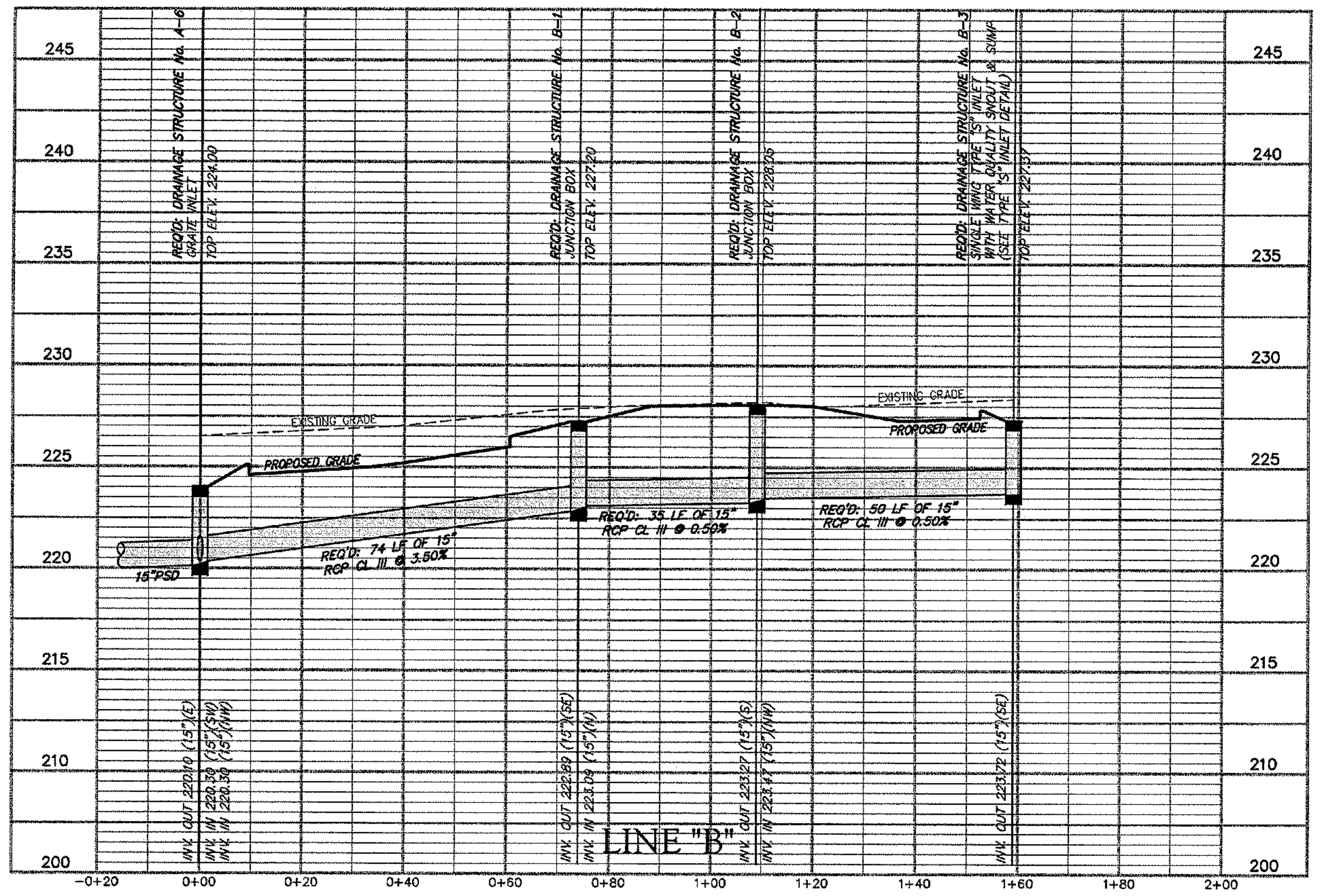
FILENAME: St-Francis-Storm
McGiffert and Associates, LLC Drawing No. 366-11

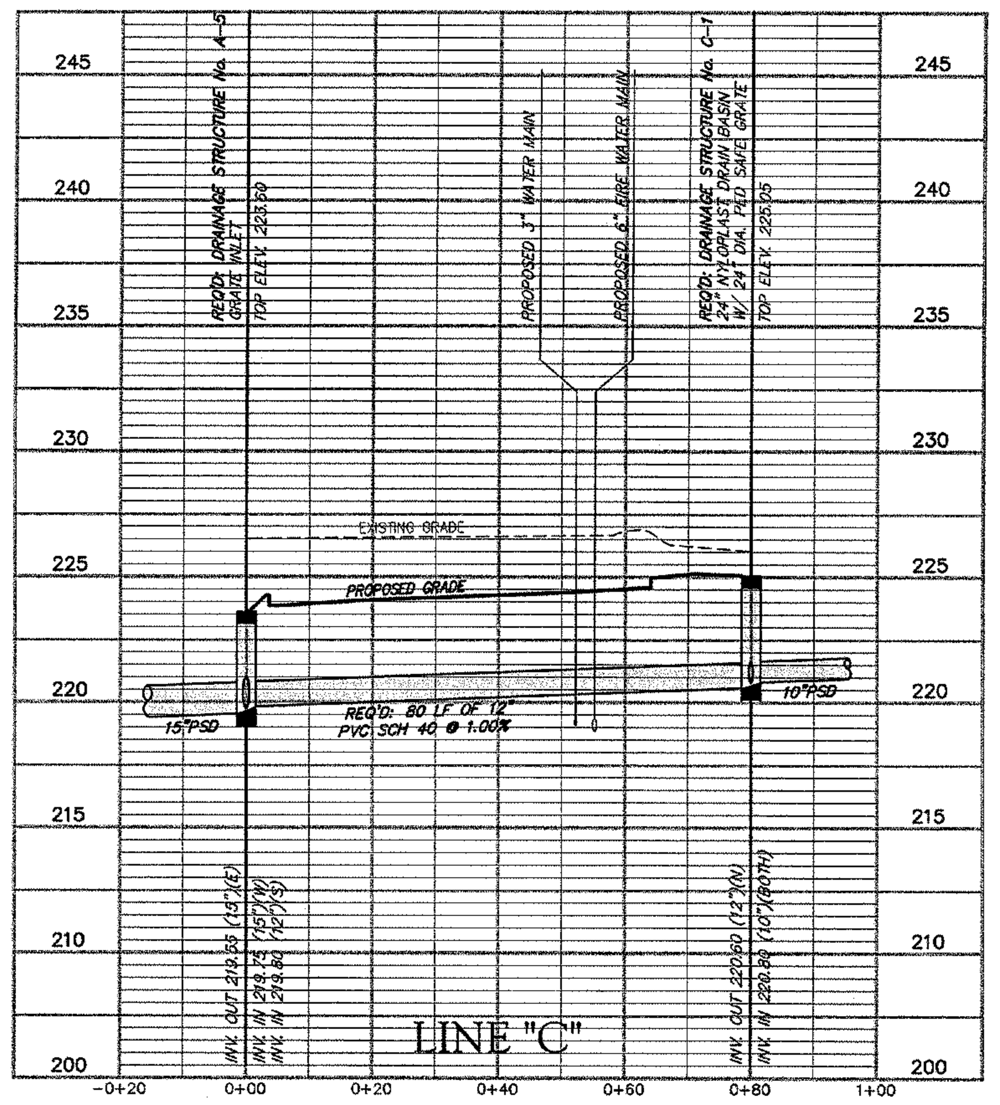
SCALES:
1" = 20' HOR
1" = 5' VER



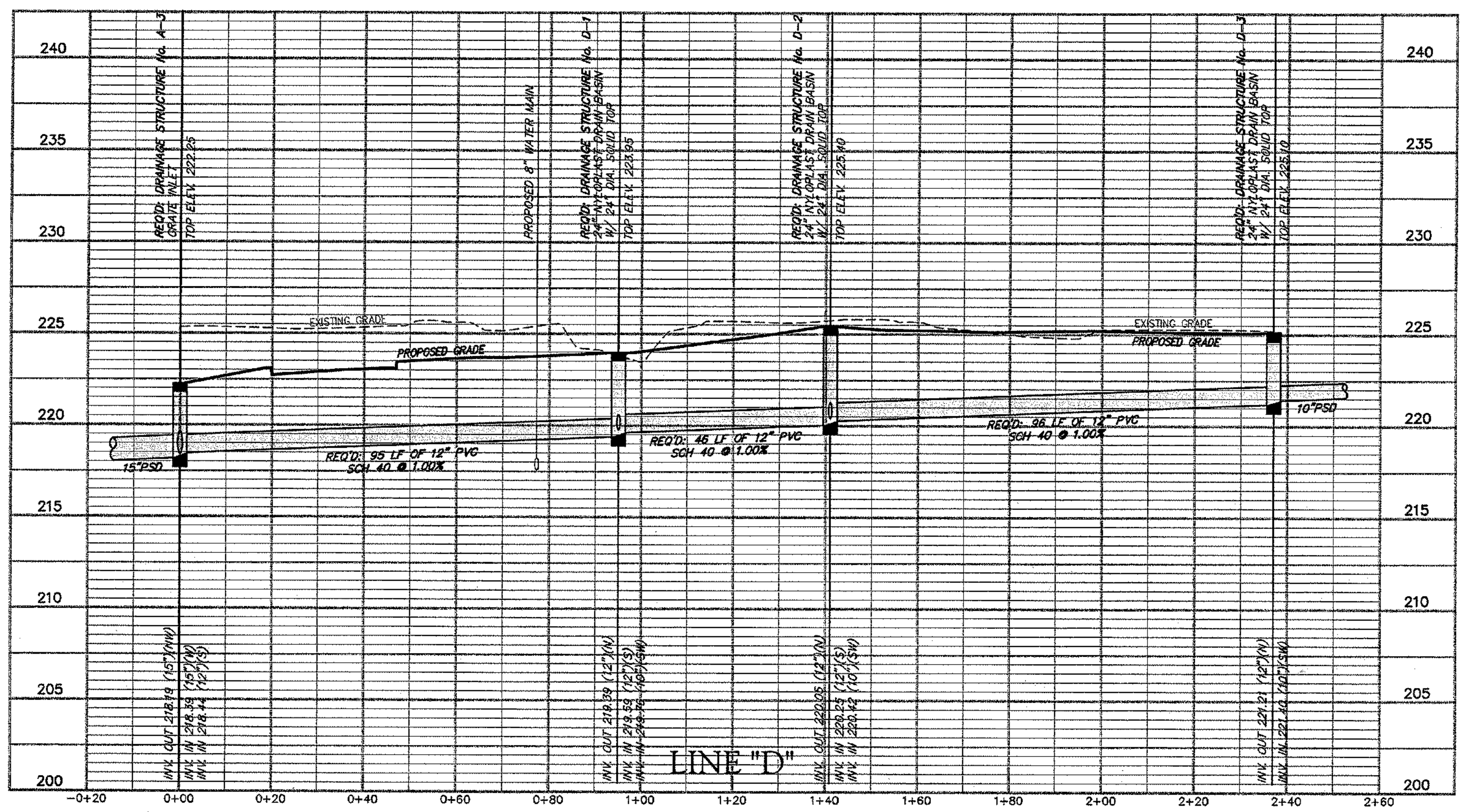
SCALES:
1" = 20' HOR
1" = 5' VER



SCALES:
1" = 20' HOR
1" = 5' VER



SCALES:
1" = 20' HOR
1" = 5' VER



STORM DRAINAGE CALCULATIONS

STRUCTURE I.D.	TYPE	"C"	"I"	"A"	"Q"	CUMULATIVE "Q"	PROPOSED PIPE & SLOPE	PIPE CAPACITY
A-10	NYLOPLAST INLET	0.20	7.2	0.14	0.20	0.20		
(PIPE: A-10 TO A-9)							12" @ 0.50%	2.52 cfs
A-9	NYLOPLAST INLET	0.70*	7.2	0.10	0.50	0.70		
(PIPE: A-9 TO A-8)							12" @ 1.00%	3.56 cfs
A-8	GRATE INLET	0.27*	7.2	0.40	0.78	1.48		
(PIPE: A-8 TO A-7)							15" @ 0.93%	6.23 cfs
A-7	GRATE INLET	0.50*	7.2	0.06	0.22	1.69		
(PIPE: A-7 TO A-6)							15" @ 1.00%	6.46 cfs
A-6	GRATE INLET	0.25**	7.2	0.35	0.63	3.96		
(PIPE: A-6 TO A-5)							15" @ 1.00%	6.46 cfs
A-5	GRATE INLET	0.25**	7.2	0.22	0.40	5.44		
(PIPE: A-5 TO A-4)							15" @ 1.00%	6.46 cfs
A-4	GRATE INLET	0.25**	7.2	0.20	0.36	5.80		
(PIPE: A-4 TO A-3)							15" @ 1.20%	7.08 cfs
A-3	GRATE INLET	0.25**	7.2	0.12	0.22	6.82		
(PIPE: A-3 TO A-2)							15" @ 1.20%	7.08 cfs
A-2	JUNCTION BOX	–	–	–	–	6.82		
(PIPE: A-2 TO EX. BOX)							15" @ 1.20%	7.08 cfs
B-3	SINGLE WING "S" INLET	0.95	7.2	0.24	1.64	1.64		
(PIPE: B-3 TO B-2)							15" @ 0.50%	4.57 cfs
B-2	JUNCTION BOX	–	–	–	–	1.64		
(PIPE: B-2 TO B-1)							15" @ 0.50%	4.57 cfs
B-1	JUNCTION BOX	–	–	–	–	1.64		
(PIPE: B-1 TO A-6)							15" @ 3.50%	12.09 cfs
C-1	NYLOPLAST INLET	1.0*	7.2	0.15	1.08	1.02		
(PIPE: C-1 TO A-5)							12" @ 1.00%	3.56 cfs
D-3	NYLOPLAST DRAIN BASIN	1.0*	7.2	0.03	0.22	0.22		
(PIPE: D-3 TO D-2)							12" @ 1.00%	3.56 cfs
D-2	NYLOPLAST DRAIN BASIN	1.0*	7.2	0.05	0.36	0.58		
(PIPE: D-2 TO D-1)							12" @ 1.00%	3.56 cfs
D-1	NYLOPLAST DRAIN BASIN	1.0*	7.2	0.03	0.22	0.80		
(PIPE: D-1 TO A-3)							12" @ 1.00%	3.56 cfs

BASED ON 25 YEAR, 10 MINUTE STORM EVENT

* INCLUDES ROOF DRAIN CONTRIBUTION

** REFLECTS STORAGE WITHIN INTERLOCKING CONCRETE PAVING SECTION. SEE DRAINAGE REPORT FOR ADDITIONAL INFORMATION.

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FILENAME: St-Francis-Storm

McGiffert and Associates, LLC
Drawing No.
366-11

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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED No. 26709 PROFESSIONAL ENGINEER JAMES L. DUNCAN JR.
1-25-12

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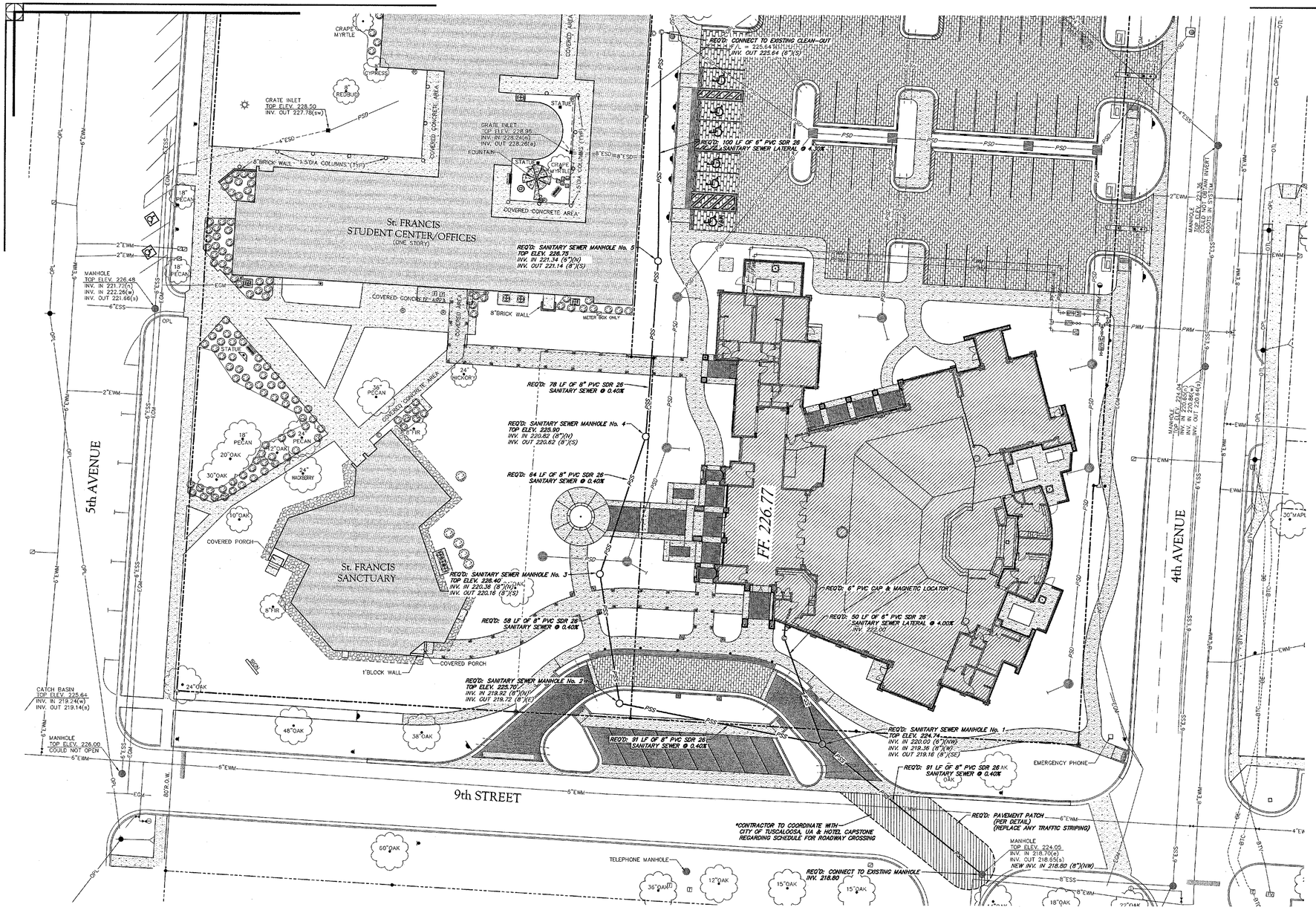
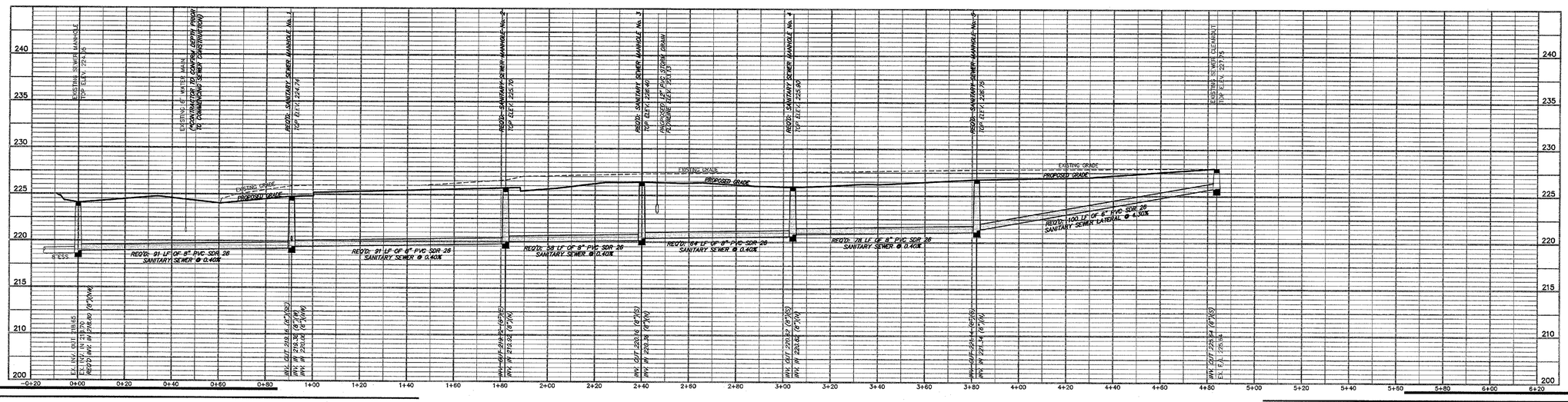
STORM DRAINAGE PROFILES	
SHEET NUMBER	C3.3



GRAPHIC SCALE
0 20' 40' 60'
1" = 20'

N

SCALES:
1" = 20' HOR
1" = 5' VER



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SANITARY SEWER PLAN & PROFILE

SHEET NUMBER C3.4

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FILENAME: St-Francis-Sanitary

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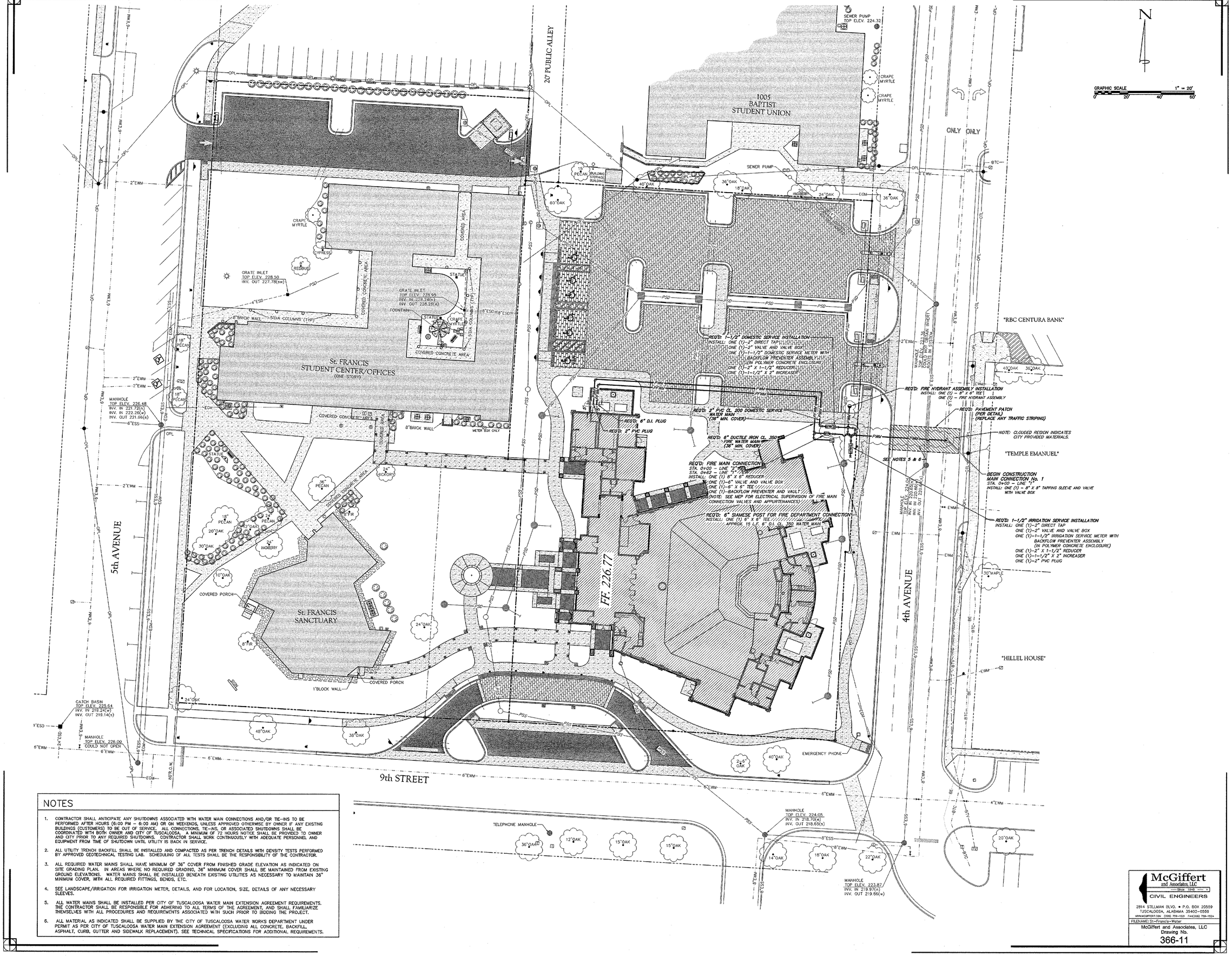
Drawing No.
366-11



NOTES

1. CONTRACTOR SHALL ANTICIPATE ANY SHUTDOWNS ASSOCIATED WITH WATER MAIN CONNECTIONS AND/OR TIE-INS TO BE PERFORMED AFTER HOURS (6:00 PM – 6:00 AM) OR ON WEEKENDS, UNLESS APPROVED OTHERWISE BY OWNER IF ANY EXISTING BUILDINGS (CUSTOMERS) TO BE OUT OF SERVICE. ALL CONNECTIONS, TIE-INS, OR ASSOCIATED SHUTDOWNS SHALL BE COORDINATED WITH BOTH OWNER AND CITY OF TUSCALOOSA. A MINIMUM OF 72 HOURS NOTICE SHALL BE PROVIDED TO OWNER AND CITY PRIOR TO ANY REQUIRED SHUTDOWNS. CONTRACTOR SHALL WORK CONTINUOUSLY WITH ADEQUATE PERSONNEL AND EQUIPMENT FROM TIME OF SHUTDOWN UNTIL UTILITY IS BACK IN SERVICE.
2. ALL UTILITY TRENCH BACKFILL SHALL BE INSTALLED AND COMPACTED AS PER TRENCH DETAILS WITH DENSITY TESTS PERFORMED BY APPROVED GEOTECHNICAL TESTING LAB. SCHEDULING OF ALL TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL REQUIRED WATER MAINS SHALL HAVE MINIMUM OF 36" COVER FROM FINISHED GRADE ELEVATION AS INDICATED ON SITE GRADING PLAN. IN AREAS WHERE NO REQUIRED GRADING, 36" MINIMUM COVER SHALL BE MAINTAINED FROM EXISTING GROUND ELEVATIONS. WATER MAINS SHALL BE INSTALLED BENEATH EXISTING UTILITIES AS NECESSARY TO MAINTAIN 36" MINIMUM COVER, WITH ALL REQUIRED FITTINGS, BENDS, ETC.
4. SEE LANDSCAPE/IRRIGATION FOR IRRIGATION METER, DETAILS, AND FOR LOCATION, SIZE, DETAILS OF ANY NECESSARY SLEEVES.
5. ALL WATER MAINS SHALL BE INSTALLED PER CITY OF TUSCALOOSA WATER MAIN EXTENSION AGREEMENT REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL TERMS OF THE AGREEMENT, AND SHALL FAMILIARIZE THEMSELVES WITH ALL PROCEDURES AND REQUIREMENTS ASSOCIATED WITH SUCH PRIOR TO BIDDING THE PROJECT.
6. ALL MATERIAL AS INDICATED SHALL BE SUPPLIED BY THE CITY OF TUSCALOOSA WATER WORKS DEPARTMENT UNDER PERMIT AS PER CITY OF TUSCALOOSA WATER MAIN EXTENSION AGREEMENT (EXCLUDING ALL CONCRETE, BACKFILL, ASPHALT, CURB, GUTTER AND SIDEWALK REPLACEMENT). SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

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FILENAME: St-Francis-Water
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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED No. 26209 PROFESSIONAL ENGINEER JAMES A. DUNCAN, JR. 1-25-12

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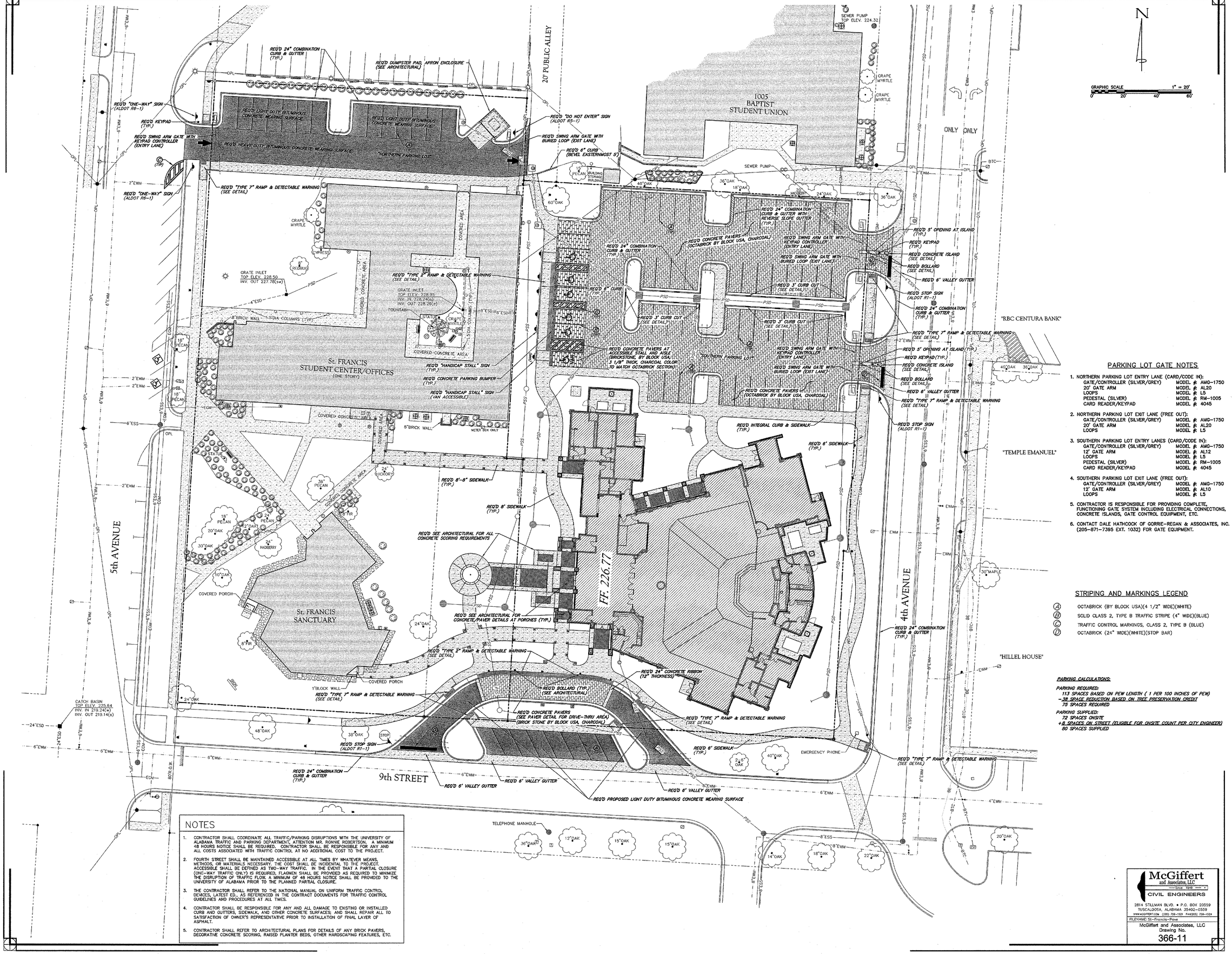
WATERMAIN EXTENSION PLAN

SHEET NUMBER C3.5



PARKING LOT GATE NOTES

1. NORTHERN PARKING LOT ENTRY LANE (CARD/CODE IN):
   - GATE/CONTROLLER (SILVER/GREY) MODEL #: AMG-1750
   - 20' GATE ARM MODEL #: AL20
   - LOOPS MODEL #: L5
   - PEDESTAL (SILVER) MODEL #: RM-1005
   - CARD READER/KEYPAD MODEL #: 4045
2. NORTHERN PARKING LOT EXIT LANE (FREE OUT):
   - GATE/CONTROLLER (SILVER/GREY) MODEL #: AMG-1750
   - 20' GATE ARM MODEL #: AL20
   - LOOPS MODEL #: L5
3. SOUTHERN PARKING LOT ENTRY LANES (CARD/CODE IN):
   - GATE/CONTROLLER (SILVER/GREY) MODEL #: AMG-1750
   - 12' GATE ARM MODEL #: AL12
   - LOOPS MODEL #: L5
   - PEDESTAL (SILVER) MODEL #: RM-1005
   - CARD READER/KEYPAD MODEL #: 4045
4. SOUTHERN PARKING LOT EXIT LANE (FREE OUT):
   - GATE/CONTROLLER (SILVER/GREY) MODEL #: AMG-1750
   - 12' GATE ARM MODEL #: AL10
   - LOOPS MODEL #: L5
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE, FUNCTIONING GATE SYSTEM INCLUDING ELECTRICAL CONNECTIONS, CONCRETE ISLANDS, GATE CONTROL EQUIPMENT, ETC.
6. CONTACT DALE HATHCOCK OF GORRIE-REGAN & ASSOCIATES, INC. (205-871-7395 EXT. 1032) FOR GATE EQUIPMENT.

STRIPING AND MARKINGS LEGEND

- (A) OCTABRICK (BY BLOCK USA)(4 1/2" WIDE)(WHITE)
- (B) SOLID CLASS 2, TYPE B TRAFFIC STRIPE (4" WIDE)(BLUE)
- (C) TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE B (BLUE)
- (D) OCTABRICK (24" WIDE)(WHITE)(STOP BAR)

PARKING CALCULATIONS:

PARKING REQUIRED:
113 SPACES BASED ON PEW LENGTH (1 PER 100 INCHES OF PEW)
-38 SPACE REDUCTION BASED ON TREE PRESERVATION CREDIT
75 SPACES REQUIRED

PARKING SUPPLIED:
72 SPACES ONSITE
+8 SPACES ON STREET (ELIGIBLE FOR ONSITE COUNT PER CITY ENGINEER)
80 SPACES SUPPLIED

NOTES

1. CONTRACTOR SHALL COORDINATE ALL TRAFFIC/PARKING DISRUPTIONS WITH THE UNIVERSITY OF ALABAMA TRAFFIC AND PARKING DEPARTMENT, ATTENTION MR. RONNIE ROBERTSON. A MINIMUM 48 HOURS NOTICE SHALL BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH TRAFFIC CONTROL AT NO ADDITIONAL COST TO THE PROJECT.
2. FOURTH STREET SHALL BE MAINTAINED ACCESSIBLE AT ALL TIMES BY WHATEVER MEANS, METHODS, OR MATERIALS NECESSARY. THE COST SHALL BE INCIDENTAL TO THE PROJECT. ACCESSIBLE SHALL BE DEFINED AS TWO-WAY TRAFFIC. IN THE EVENT THAT A PARTIAL CLOSURE (ONE-WAY TRAFFIC ONLY) IS REQUIRED, FLAGMEN SHALL BE PROVIDED AS REQUIRED TO MINIMIZE THE DISRUPTION OF TRAFFIC FLOW. A MINIMUM OF 48 HOURS NOTICE SHALL BE PROVIDED TO THE UNIVERSITY OF ALABAMA PRIOR TO THE PLANNED PARTIAL CLOSURE.
3. THE CONTRACTOR SHALL REFER TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST ED., AS REFERENCED IN THE CONTRACT DOCUMENTS FOR TRAFFIC CONTROL GUIDELINES AND PROCEDURES AT ALL TIMES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING OR INSTALLED CURB AND GUTTERS, SIDEWALK, AND OTHER CONCRETE SURFACES; AND SHALL REPAIR ALL TO SATISFACTION OF OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF FINAL LAYER OF ASPHALT.
5. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR DETAILS OF ANY BRICK PAVERS, DECORATIVE CONCRETE SCORING, RAISED PLANTER BEDS, OTHER HARDSCAPING FEATURES, ETC.

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED ARCHITECT No. 26760 PROFESSIONAL
JAMES WILLIAM KEES DUNCAN
1-26-12

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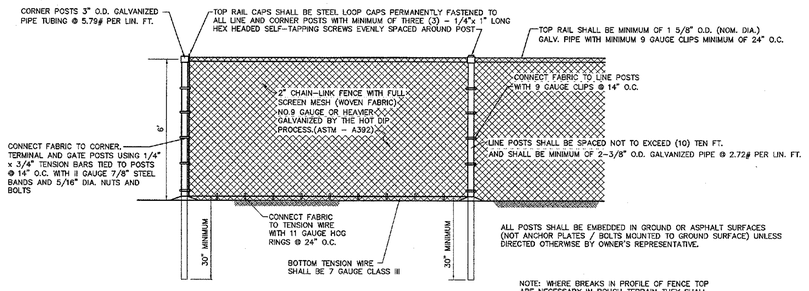
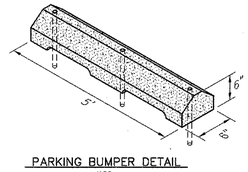
PAVING & STRIPING PLAN

SHEET NUMBER C3.6



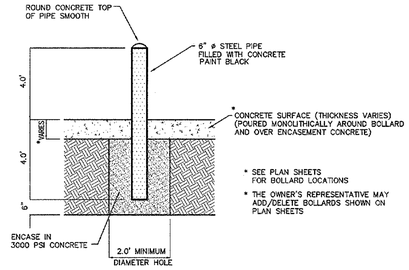
NOTE: WHERE BREAKS IN PROFILE OF FENCE TOP ARE NECESSARY IN ROUGH TERRAIN THEY SHALL BE MADE IN THE LEAST NUMBER OF INTERVALS PRACTICAL. BREAKS SHALL BE SPREAD OVER VERTICAL CURVES OF SUFFICIENT LENGTHS TO INSURE A PLEASING APPEARANCE.

6' CHAIN LINK CONSTRUCTION FENCE DETAIL
N.T.S.



CONCRETE ISLAND DETAIL
N.T.S.

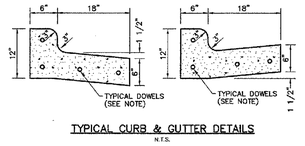
PARKING BUMPER DETAIL
N.T.S.



* SEE PLAN SHEETS FOR BOLLARD LOCATIONS

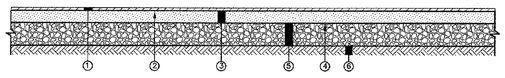
* THE OWNER'S REPRESENTATIVE MAY ADD/DELETE BOLLARDS SHOWN ON PLAN SHEETS

BOLLARD DETAIL
N.T.S.



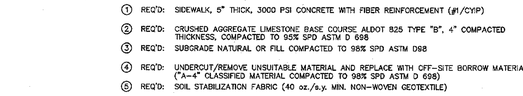
TYPICAL CURB & GUTTER DETAILS
N.T.S.

NOTE: ALL COLD JOINTS AND/OR CONNECTION TO EXISTING CURB SECTIONS SHALL HAVE EXPANSION JOINT INSTALLED AND A MINIMUM OF FOUR 24" LONG ⅝" ø DOWEL REBARS, MINIMUM OF 12" EMBEDMENT EITHER SIDE OF JOINT. EXPANSION JOINT FILLER AND SEALER SHALL BE PER ALDOT ARTICLES 832.01 AND 832.023. DOWELS SHALL BE DRILLED AND EPOXIED IN EXISTING CONCRETE.



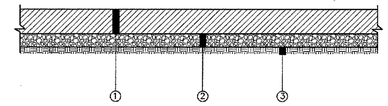
HEAVY DUTY ASPHALT PAVING DETAIL
N.T.S.

① REQ'D: IMPROVED BITUMINOUS CONCRETE WEARING SURFACE LAYER, ALDOT 429A, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE "B" (1 1/2" COMPACTED THICKNESS)
② REQ'D: TACK COAT ALDOT SEC 405-A (0.10 GALLON/SY)
③ REQ'D: IMPROVED BITUMINOUS CONCRETE BINDER LAYER, ALDOT 429B, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE "B" (4" COMPACTED THICKNESS)
④ REQ'D: PRIME COAT ALDOT SEC. 401-A (MC 70)
⑤ REQ'D: CRUSHED LIMESTONE AGGREGATE BASE COURSE (ALDOT SECTION 825, TYPE B) (9" THICK, COMPACTED TO 100% ASTM D 698)
⑥ REQ'D: SUBGRADE (COMPACTED TO 98% ASTM D 698)



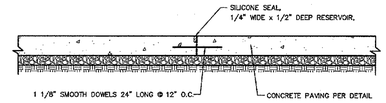
LIGHT DUTY ASPHALT PARKING LOT PAVING DETAIL
N.T.S.

① REQ'D: IMPROVED BITUMINOUS CONCRETE WEARING SURFACE LAYER, ALDOT 429A, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE "B" (1 1/2" COMPACTED THICKNESS)
② REQ'D: TACK COAT ALDOT SEC 405-A (0.10 GALLON/SY)
③ REQ'D: IMPROVED BITUMINOUS CONCRETE BINDER LAYER, ALDOT 429B, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE "B" (2 1/2" COMPACTED THICKNESS)
④ REQ'D: PRIME COAT ALDOT SEC. 401-A (MC 70)
⑤ REQ'D: CRUSHED LIMESTONE AGGREGATE BASE COURSE (ALDOT SECTION 825, TYPE B) (6" THICK, COMPACTED TO 100% ASTM D 698)
⑥ REQ'D: SUBGRADE (COMPACTED TO 98% ASTM D 698)



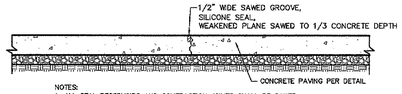
① REQ'D: 6" CONCRETE PAVING WITH FIBER REINFORCEMENT (600 PSI FLEXURAL)
② REQ'D: 6" CRUSHED AGGREGATE BASE (ALDOT SECTION 825, TYPE B)(COMPACTED TO 100% ASTM D-698)
③ REQ'D: SUBGRADE (COMPACTED TO 98% ASTM D-698)

CONCRETE ISLAND DETAIL
N.T.S.



NOTES:
1. ALL SEAL RESERVOIRS AND CONTRACTION JOINTS SHALL BE SAWED.
2. SILICONE SEALANT SHALL BE TOOLED IMMEDIATELY AFTER APPLICATION.
3. CONSTRUCTION JOINT FILLER AND SEALER SHALL BE PER ALDOT ARTICLES 832.01 AND 832.023.
4. DOWELS SHALL BE DRILLED AND EPOXIED IN EXISTING CONCRETE.

CONSTRUCTION JOINT DETAIL
N.T.S.

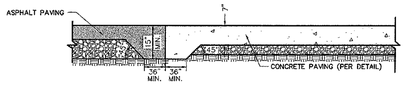


NOTES:
1. ALL SEAL RESERVOIRS AND CONTRACTION JOINTS SHALL BE SAWED.
2. SILICONE SEALANT SHALL BE TOOLED IMMEDIATELY AFTER APPLICATION.
3. CONTRACTION JOINTS SHALL BE SPACED AS INDICATED ON DRAWINGS.

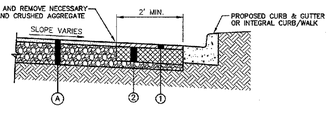
CONTRACTION JOINT DETAIL
N.T.S.

CONCRETE PAVING DETAIL (DUMPSTER ACCESS)
N.T.S.

① REQ'D: 7" THICK, CONCRETE WITH FIBER REINFORCEMENT (4500 PSI COMPRESSIVE & 600 PSI FLEXURAL AT 28 DAYS)
② REQ'D: CRUSHED LIMESTONE BASE COURSE (ALDOT SECTION 825, TYPE B) (6" THICK, COMPACTED TO 100% SPD ASTM D 698)
③ REQ'D: SUBGRADE PROCESSING ALDOT SEC. 230 MIN 6" THICK COMPACTED TO 98% SPD ASTM D 698
④ REQ'D: SUBGRADE NATURAL OR FILL COMPACTED TO 98% SPD ASTM D 698

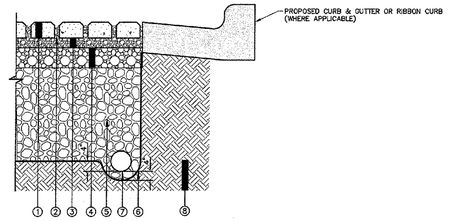


THICKENED EDGE DETAIL
(WHERE CONCRETE PAVING ABUTS ASPHALT PAVING)
N.T.S.



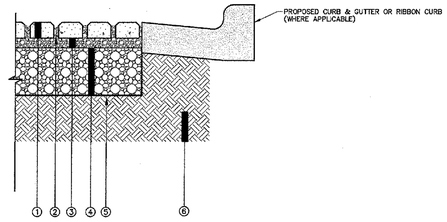
① REQ'D: IMPROVED BITUMINOUS CONCRETE WEARING SURFACE, ALDOT 424A, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE "E" W/ TACK COAT (ALDOT 405A) (1 1/2" COMPACTED THICKNESS)
② REQ'D: IMPROVED BITUMINOUS CONCRETE BINDER LAYER, ALDOT 424B, 1 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE "E" (3" TOTAL COMPACTED THICKNESS, PLACED IN 2-2 1/2" LAYERS), WITH BITUMINOUS TREATMENT A (ALDOT SEC. 401)
Ⓐ IN PLACE: EXISTING ROAD

CURB & GUTTER REPLACEMENT ALONG EXISTING ROADWAYS
N.T.S.



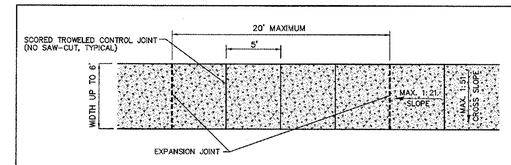
CONCRETE PAVER DETAIL (SOUTHERN PARKING LOT)
N.T.S.

① REQ'D: CONCRETE PAVERS (MINIMUM 3 1/8" THICK), (SEE PLAN FOR PAVER TYPE)
② REQ'D: No. 8 LIMESTONE IN OPENINGS
③ REQ'D: 2" THICK No. 8 LIMESTONE BEDDING COURSE (MECHANICALLY CONSOLIDATED)
④ REQ'D: 4" THICK No. 57 LIMESTONE OPEN-GRADED BASE (MECHANICALLY CONSOLIDATED)
⑤ REQ'D: 14" THICK No. 2 LIMESTONE SUBBASE (MECHANICALLY CONSOLIDATED)
⑥ REQ'D: TERRATEX HD WOVEN GEOTEXTILE ON BOTTOM AND SIDES OF OPEN-GRADED BASE
⑦ REQ'D: 4" PVC SCHEDULE 40 UNDERDRAIN (SEE PLAN VIEW FOR FLOWLINES)
⑧ REQ'D: SOIL SUBGRADE (UNDERCUT/REPLACE AS REQUIRED) 98% SPD ASTM D98

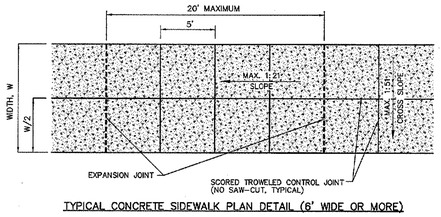


CONCRETE PAVER DETAIL (DRIVE-THRU AREA)
N.T.S.

① REQ'D: CONCRETE PAVERS (MINIMUM 3 1/8" THICK), (BLOCK USA-"BRICKSTONE")
② REQ'D: No. 8 LIMESTONE IN OPENINGS
③ REQ'D: 2" THICK No. 8 LIMESTONE BEDDING COURSE (MECHANICALLY CONSOLIDATED)
④ REQ'D: 10" THICK No. 825-B LIMESTONE COMPACTED TO 100% SPD
⑤ REQ'D: IMPERMEABLE LINER (10 MIL. MIN., 6" MIN. OVERLAP WITH MANUFACTURER'S RECOMMENDED JOINT SEALER)
⑥ REQ'D: SOIL SUBGRADE (UNDERCUT/REPLACE AS REQUIRED) 98% SPD ASTM D98



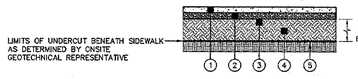
TYPICAL CONCRETE SIDEWALK (6' WIDE OR LESS)
N.T.S.



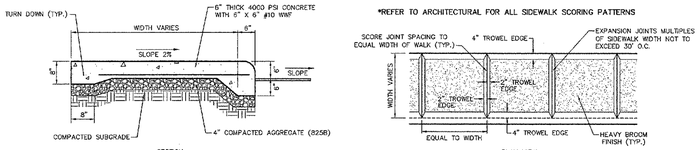
TYPICAL CONCRETE SIDEWALK PLAN DETAIL (6' WIDE OR MORE)
N.T.S.

SIDEWALK NOTES:
1. EXPANSION JOINTS TO BE PLACED AT ALL CURB RETURNS AND WHERE WALKS OR DRIVES JOIN OTHER CONCRETE UNITS. EXPANSION JOINTS SHALL LINE UP WITH EXPANSION JOINTS OF ADJACENT CURBS, DRIVES, ETC., BUT IN NO INSTANCE MORE THAN 20 FEET BETWEEN JOINTS. EXPANSION JOINTS SHALL BE FORMED USING A FILLER AND SEALER AS PER ALDOT ARTICLE 832.01 AND 832.02. EXPANSION JOINT FILLER SHALL BE FROM THE BOTTOM OF THE SIDEWALK TO 1" FROM THE TOP. THE SEALER SHALL BE 3/4" THICK AND SHALL BE RECESSED 1/4" FROM THE TOP OF THE SIDEWALK.
2. 1/2" ø DOWEL REBAR (MINIMUM 18" ON CENTER) SHALL BE INSTALLED AT CONNECTION TO ALL EXISTING SIDEWALKS, WITH MINIMUM 12" EMBEDMENT EITHER SIDE OF JOINTS. DOWEL SHALL BE DRILLED AND EPOXYED IN EXISTING CONCRETE.
3. SCORED (TROWELED) CONTROL JOINTS SHALL BE PLACED A MINIMUM OF EVERY FIVE (5) FEET, DEPTH TO BE MINIMUM 1" AND WITH MINIMUM WIDTH OF 1/4". SEE ARCHITECTURAL/LANDSCAPE FOR ANY DIFFERENT OR SPECIFIC SCORING PATTERN.
4. ALL CONCRETE SHALL BE MINIMUM 3000 PSI WITH FIBER REINFORCEMENT.

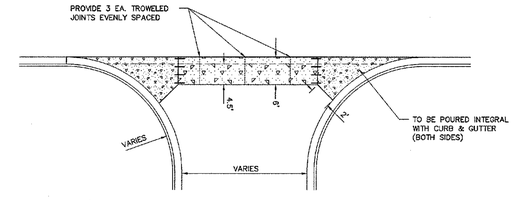
TYPICAL PERMANENT SIDEWALK AND BICYCLE RACK CONCRETE SECTION



① REQ'D: SIDEWALK, 5" THICK, 3000 PSI CONCRETE WITH FIBER REINFORCEMENT (#1/CYIP)
② REQ'D: CRUSHED AGGREGATE LIMESTONE BASE COURSE ALDOT 825 TYPE "B", 4" COMPACTED THICKNESS, COMPACTED TO 95% SPD ASTM D 698
③ REQ'D: SUBGRADE NATURAL OR FILL COMPACTED TO 98% SPD ASTM D98
④ REQ'D: UNDERCUT/REMOVE UNSUITABLE MATERIAL AND REPLACE WITH OFF-SITE BORROW MATERIAL ("A-4" CLASSIFIED MATERIAL COMPACTED TO 98% SPD ASTM D 698)
⑤ REQ'D: SOIL STABILIZATION FABRIC (40 oz./s.y. MIN. NON-WOVEN GEOTEXTILE)



INTEGRAL SIDEWALK AND CURB DETAIL
N.T.S.



6' CONCRETE VALLEY GUTTER DETAIL
N.T.S.

McGiffert and Associates, LLC
Since 1948
CIVIL ENGINEERS
2814 STILLMAN BLVD. • P.O. BOX 20559
TUSCALOOSA, ALABAMA 35402-0559
WWW.MCGIFFERT.COM (205) 758-1521 FAX(205) 758-1524

FILENAME: St-Francis-Details

McGiffert and Associates, LLC
Drawing No.
366-11

Ellis Architects
601 Helen Keller Boulevard, Suite 300
Florence, Alabama 35630
205.752.4420
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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED No. 28907 PROFESSIONAL ENGINEER JAMES L. DUNCAN, JR. 1-25-12

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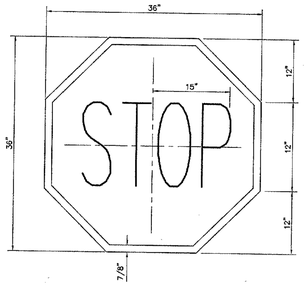
Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

JOB No. 08038	
DATE:	REV DATE:
01/13/2012	
DRAWN BY:	DJT

CONSTRUCTION DETAILS

SHEET NUMBER C4.0

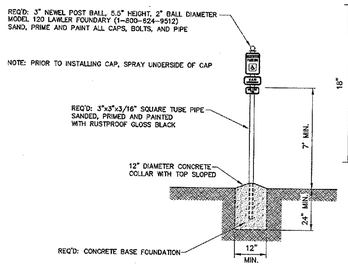


LEGEND, BORDER ___WHITE
BACKGROUND_____RED

STOP SIGN

(ALDOT STD R1-1)

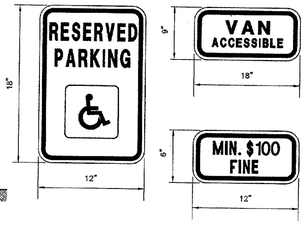
N.T.S.



SIGN INSTALLATION DETAILS (ALL SIGNS)

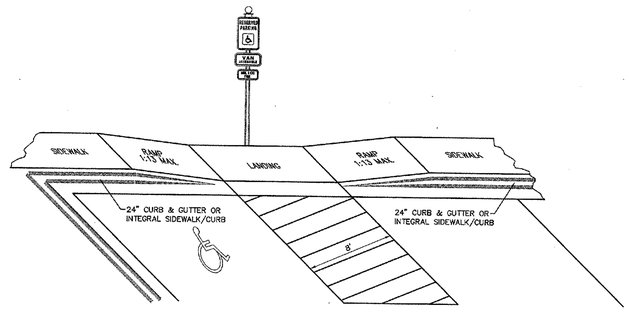
N.T.S.

PAINT SPEC (BASIS OF DESIGN DEVOE HIGH PERFORMANCE COATINGS)
- PRIMER: DEVRAN 205 (1 COAT)
- GLOSS ENAMEL: DEVTHANE 379K9903, BLACK COLOR (2 COATS)
- URETHANE FINISH: DEVTHANE 379K9036, CLEAR (1 COAT)



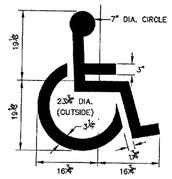
HANDICAP SIGN DETAILS

N.T.S.



HANDICAP RAMP DETAIL

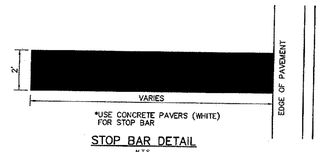
N.T.S.



AREA = 2.36 SQ/FT

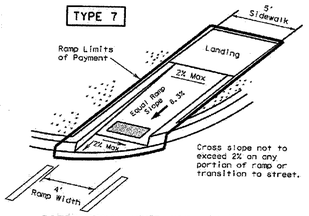
HANDICAP PAVEMENT MARKING SYMBOL

N.T.S.

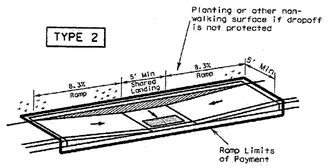


STOP BAR DETAIL

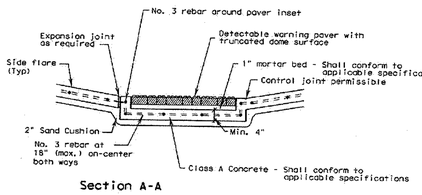
N.T.S.



DIRECTIONAL RAMP WITHIN RADIUS
(Sidewalk set back from curb)



PARALLEL CURB RAMP
(Use only where water will not pond in the landing.)

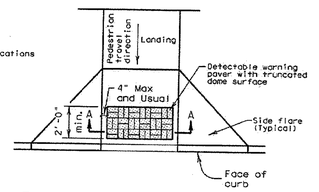


Section A-A

General Notes (Pavers)

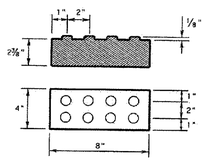
Furnish detectable warning paver units meeting all requirements of ASTM C-936, C-33. Lay in a two by two unit basket weave pattern or as directed.

Lay full-size units first followed by closure units consisting of at least 25 percent of a full unit. Cut detectable warning paver units using a power saw.

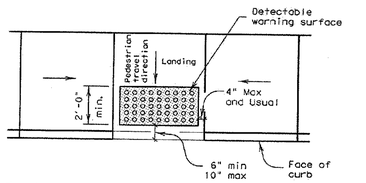


Truncated Dome Pattern Curb Ramp

DETECTABLE WARNING PAVER (OPTION)



Detectable Warning Paver



Typical placement of detectable warning surface on landing at street edge.

General Notes for Detectable Warnings

1. Curb ramps must contain a detectable warning surface that consists of raising truncated domes complying with ALDOT Special Drawing No. SW-618. The surface must contrast visually with adjoining surfaces, including side flares. Furnish dark brown or dark red detectable warning surface adjacent to uncolored concrete, unless specified elsewhere in the plans.
2. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
3. Align truncated domes in the direction of pedestrian travel when entering the street.
4. Detectable warning surfaces shall have a minimum depth of 24" in the direction of pedestrian travel, and extend the fill width of the curb ramp or landing where the pedestrian access route enters the street.
5. Detectable warning surfaces shall be located so that the edge nearest the curb is a minimum of 6" and a maximum of 10" from the extension of the face of curb. Detectable warning surfaces ma be curved along the corner radius.
6. ALDOT maintains a list of Qualified Detectable Warning Materials.

Pedestrian Facilities General Notes

1. Landings shall be the width of the sidewalk and have a depth of 5' minimum width, a maximum 2% slope in any direction. A design max slope of 1.5% is encouraged.
2. Maneuvering space at the bottom of curb ramps shall be a minimum of 4' x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
3. See Project Note 201 for Ramp Slope Requirements.
4. Curb ramps with returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planting or other non-walking surface or because the side approach is substantially obstructed. Otherwise, provide flared sides.
5. Small channelization island, which do not provide a minimum 5' x 5' landing at the top of curb ramps, shall be cut through level with the surface of the street.
6. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall be aligned with theoretical crosswalks, or as directed by the Engineer.
7. Existing features that comply with ALDOT may remain in place unless otherwise shown on the plans.
8. Provide smooth transitions where curb ramps connect to the street.
9. Flared slope shall not exceed 10% measured along the curb line.

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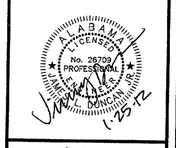
New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama



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Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

JOB No.	08038
DATE:	REV DATE:
01/13/2012	
DRAWN BY:	DJT

CONSTRUCTION DETAILS

SHEET NUMBER C4.1

McGiffert and Associates, LLC
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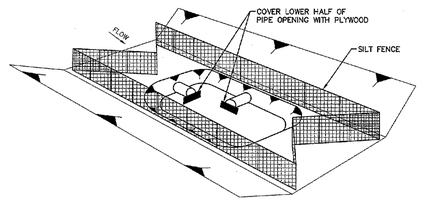
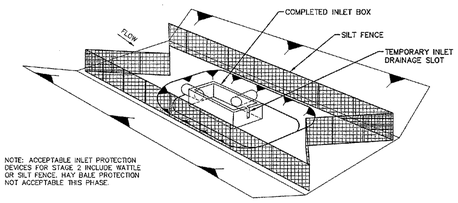
TUSCALOOSA, ALABAMA 35402-0559
WWW.MCGIFFERT.COM (205) 758-1521 FAX(205) 758-1524
FILENAME: St-Francis-Details
McGiffert and Associates, LLC Drawing No.
366-11



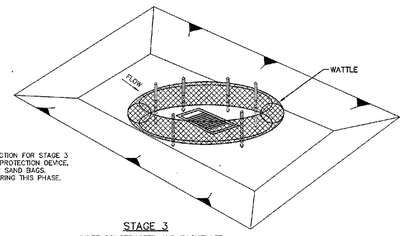
STAGE 1
INLET BOX LOCATION EXCAVATED



NOTE: ACCEPTABLE INLET PROTECTION DEVICES FOR STAGE 2 INCLUDE WATTLE OR SILT FENCE. HAY BALE PROTECTION NOT ACCEPTABLE THIS PHASE.

STAGE 2
INLET BOX CONSTRUCTED BUT NOT BACKFILLED

DITCH INLET CONSTRUCTION STAGES
N.T.S.

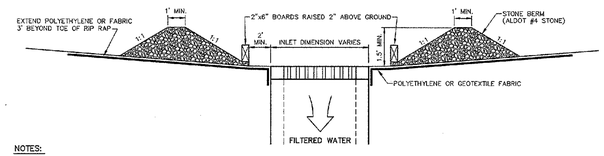


NOTE: ACCEPTABLE INLET PROTECTION FOR STAGE 3 INCLUDES MANUFACTURED INLET PROTECTION DEVICE, COARSE AGGREGATE, WATTLE, OR SAND BAGS. HAY BALES NOT ACCEPTABLE DURING THIS PHASE.

STAGE 3
INLET CONSTRUCTED AND BACKFILLED AND FINAL GRADING OPERATIONS COMPLETED

DITCH INLET CONSTRUCTION STAGES NOTES:

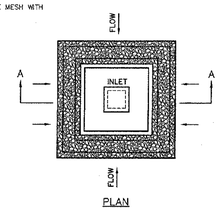
1. INLET CONSTRUCTION SHOULD COMMENCE AS SOON AS POSSIBLE AND BE CONTINUOUS THROUGH COMPLETION.
2. CONFIGURATIONS MAY BE ADJUSTED BECAUSE OF WATER FLOW, SOIL OR INSTALLATION CHALLENGES WITH APPROVAL OF THE OWNER'S REPRESENTATIVE.
3. DURING STAGE 1 AND STAGE 2, SILT FENCE MAY BE REQUIRED UPSLOPE OF THE INLET EXCAVATION AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
4. IF SILT FENCING IS INSTALLED AROUND THE INLET EXCAVATION, IT SHOULD BE PLACED IN A CONFIGURATION THAT WILL ALLOW INLET CONSTRUCTION.



SECTION A–A

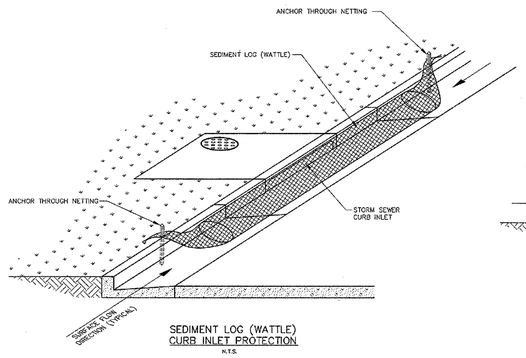
NOTES:

1. THE ELEVATION OF THE TOP OF THE REQUIRED STONE BERM SHALL BE A MINIMUM OF 1.5" ABOVE THE ELEVATION OF THE INLET WORKING POINT.
2. THIS COURSE AGGREGATE INLET PROTECTION SHALL NOT BE UTILIZED DURING STAGE 1 AND STAGE 2 INLET CONSTRUCTION.
3. THE 2"x6" BOARDS MAY BE REPLACED WITH WIRE MESH WITH OPENINGS LESS THAN 1"x1".



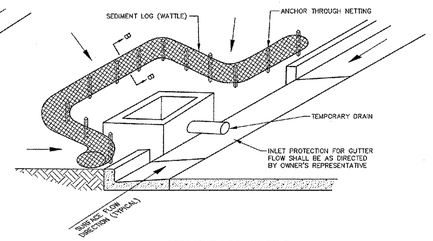
PLAN

COARSE AGGREGATE INLET PROTECTION DETAILS
N.T.S.

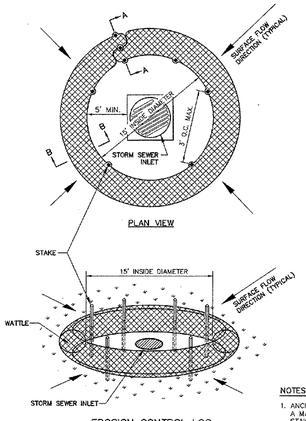


SEDIMENT LOG (WATTLE)
CURB INLET PROTECTION
N.T.S.

NOTE:
SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION.
HAY BALES NOT ACCEPTABLE DURING THIS STAGE.

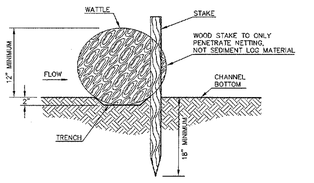


SEDIMENT LOG (WATTLE)
CURB INLET PROTECTION (STAGE 2)
N.T.S.



PLAN VIEW

EROSION CONTROL LOG
INLET PROTECTION
N.T.S.



SEDIMENT LOG (WATTLE) INSTALLATION DETAIL (SECTION B–B)
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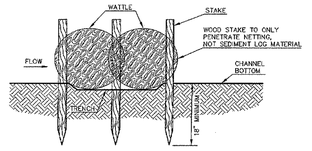
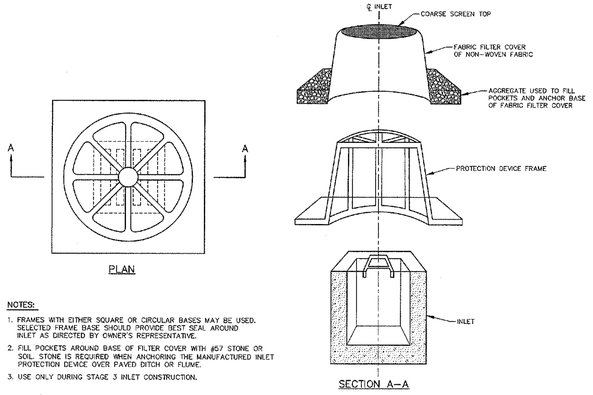


SECTION A–A
N.T.S.

NOTES:

1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1' MIN., 3' MAX.)
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

WATTLE INLET PROTECTION DETAILS
N.T.S.



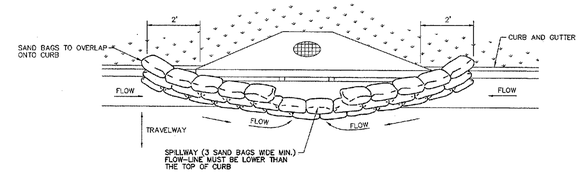
PLAN

SECTION A–A

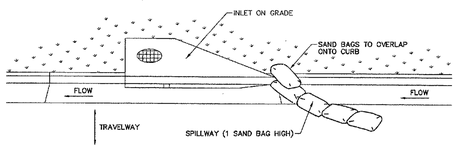
NOTES:

1. FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY OWNER'S REPRESENTATIVE.
2. FILL POCKETS AROUND BASE OF FILTER COVER WITH #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
3. USE ONLY DURING STAGE 3 INLET CONSTRUCTION.

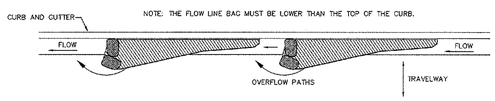
MANUFACTURED DEVICE INLET PROTECTION DETAILS
N.T.S.



TYPICAL (SAND BAG) PROTECTION FOR INLET IN SAG
N.T.S



TYPICAL (SAND BAG) PROTECTION FOR INLET ON GRADE
N.T.S

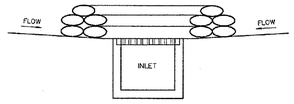


CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM
N.T.S

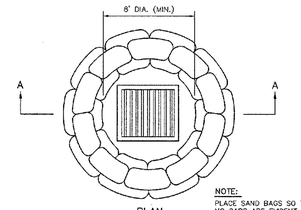
CURB INLET PROTECTION NOTES:

1. THIS CURB INLET PROTECTION METHOD CAN BE USED DURING ANY STAGE OF BASE AND PAVEMENT CONSTRUCTION OR FOR EXISTING CURB INLETS.
2. BAG HEIGHT AND NUMBER OF BAGS SHOULD BE BASED ON CURB HEIGHT AND USE OF TRAVELWAY OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
3. SEDIMENT SHOULD BE CONTROLLED PRIOR TO ENTERING GUTTER. GUTTER CHECKS AND INLET PROTECTION ARE FOR SECONDARY CONTROL.
4. REMOVE ACCUMULATED SEDIMENT AFTER EVERY RAINFALL. SWEEP SEDIMENT FROM HARD SURFACES AND DISPOSE OF APPROPRIATELY AWAY FROM INLETS AND/OR WATER BODIES.
5. IF DENUDED AREAS EXIST BEHIND THE INLET, A SEDIMENT BARRIER SHOULD BE INSTALLED AROUND IT'S PERIMETER TO CONTROL SEDIMENT.

SAND BAG INLET PROTECTION DETAILS
N.T.S.



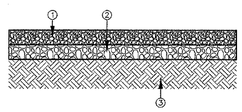
SECTION A–A



PLAN

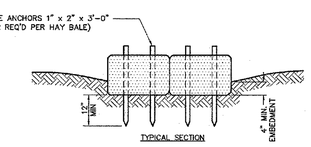
NOTE:
PLACE SAND BAGS SO THAT NO GAPS ARE EVIDENT. 3 BAGS HIGH AND STAGGERED. (80 BAGS MIN.)

SAND BAG BARRIER
N.T.S

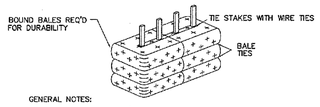


CONSTRUCTION EXIT PAD DETAIL
N.T.S.

① REQ'D: COURSE AGGREGATE ALDOT SECTION 801 No. 57 STONE (MIN. 2" COMPACTED THICKNESS)
② REQ'D: COURSE AGGREGATE ALDOT SECTION 801 No. 2 STONE (MIN. 3" COMPACTED THICKNESS)
③ REQ'D: COMPACTED SUBGRADE



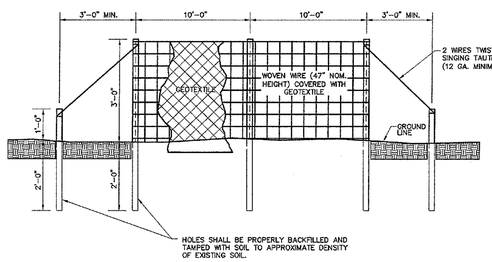
TYPICAL HAY BALE INSTALLATION DETAIL
N.T.S.



GENERAL NOTES:

1. HAY BALE CHECK DAMS ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE INSTALLED ACROSS DRAINAGE WAYS NEAR NEWLY GRADED AREAS.
2. HAY BALE CHECK DAMS SHALL BE INSPECTED REGULARLY FOR DAMAGE AND REPLACED OR RESET AS NEEDED.
3. AFTER DISTURBED AREAS ARE STABILIZED AND EROSION ACTIVITY CURTAILED, HAY BALE CHECK DAMS MAY BE REMOVED.

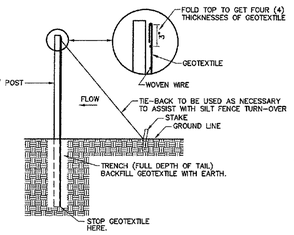
ANCHORING BALES
N.T.S.



ELEVATION

GENERAL NOTES:

1. SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODABLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS, CHANNELS, STREETS, CURBS, ETC.
2. SILT FENCE SHOULD BE PLACED WELL INSIDE CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
3. WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
4. AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.



SECTION

TYPE "A" SILT FENCE DETAIL
N.T.S.

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Ellis Architects
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205.792.4420
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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 26707 JAMES GUNNAR JR. ELLIS 1-25-12

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JOB No.	08038
DATE:	REV DATE:
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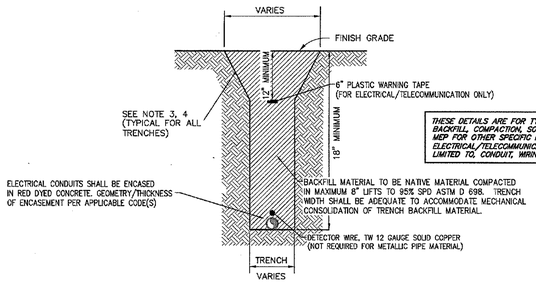
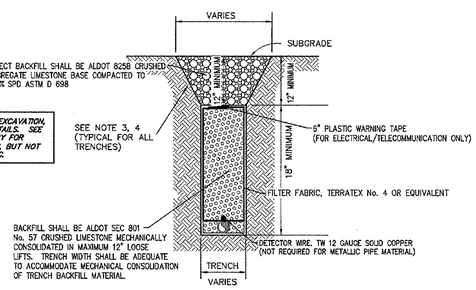
CONSTRUCTION DETAILS

SHEET NUMBER C4.2



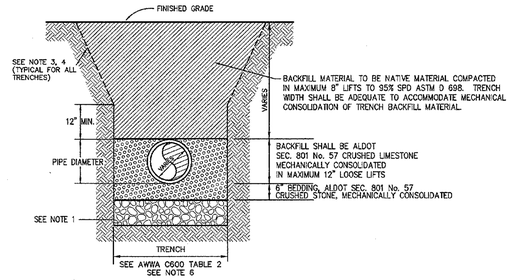
ALL AREAS NOT UNDER CONCRETE OR PAVED SURFACES
N.T.S.

THESE DETAILS ARE FOR TYPICAL TRENCH EXCAVATION, BACKFILL, COMPACTION, SOIL MATERIAL DETAILS. SEE MEP FOR OTHER SPECIFIC ITEMS NECESSARY FOR ELECTRICAL/TELECOMMUNICATION, SUCH AS, BUT NOT LIMITED TO, CONDUIT, WIRING, SPACING, ETC.

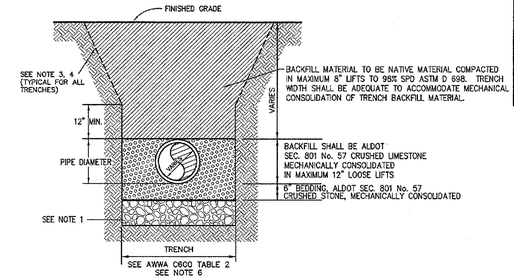


FUTURE PROPOSED BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE SURFACES
N.T.S.

ELECTRICAL / TELECOMMUNICATION / IRRIGATION TRENCH DETAILS

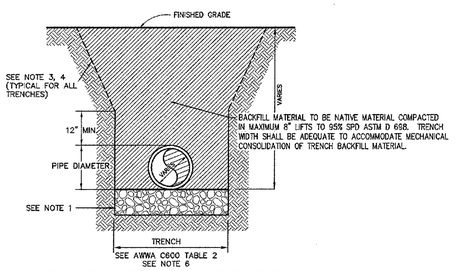


ALL AREAS NOT UNDER CONCRETE OR PAVED SURFACES
N.T.S.



FUTURE PROPOSED BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE SURFACES
N.T.S.

STORM SEWER TRENCH DETAILS: PVC OR HDPE



ALL AREAS NOT UNDER CONCRETE OR PAVED SURFACES
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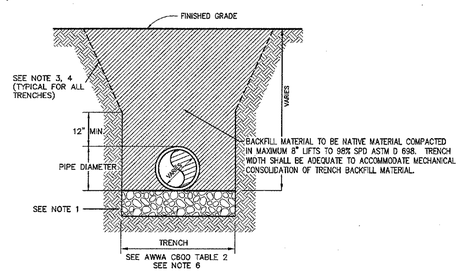
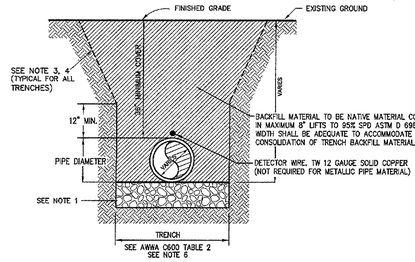
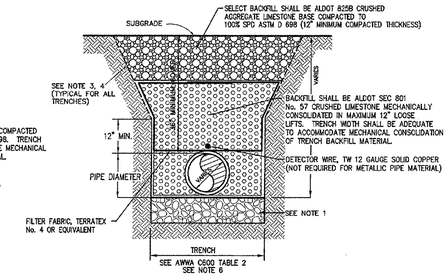


FUTURE PROPOSED BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE SURFACES
N.T.S.

STORM SEWER TRENCH DETAILS: RCP OR DUCTILE IRON

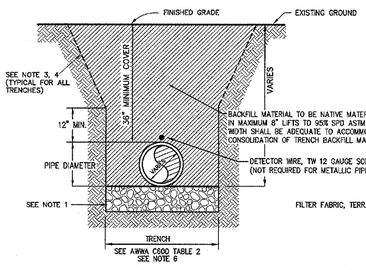


ALL AREAS NOT UNDER CONCRETE OR PAVED SURFACES
N.T.S.

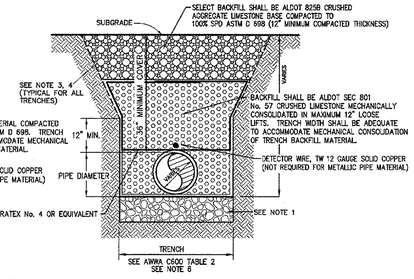


FUTURE PROPOSED BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE SURFACES
N.T.S.

WATER MAIN TRENCH DETAILS PVC OR DUCTILE IRON

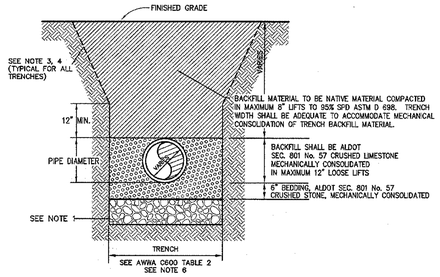


ALL AREAS NOT UNDER CONCRETE OR PAVED SURFACES
N.T.S.



FUTURE PROPOSED BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE SURFACES
N.T.S.

NATURAL GAS MAIN, STEAM, OR CHILLED WATER TRENCH DETAILS: PVC, STEEL, DUCTILE IRON, OR HDPE



ALL AREAS NOT UNDER CONCRETE OR PAVED SURFACES
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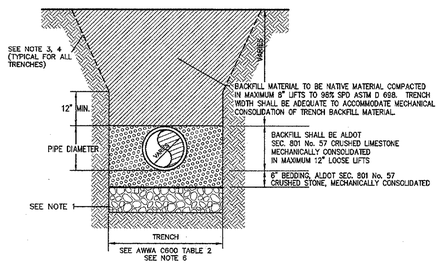
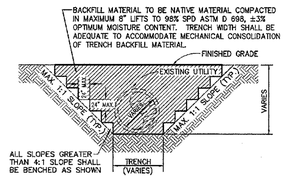
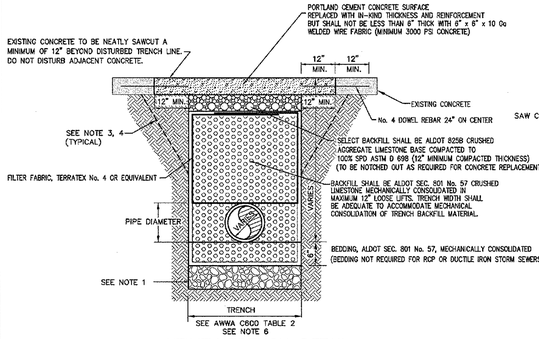


FUTURE IMPROVED AREAS AND PROPOSED BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE SURFACES
N.T.S.

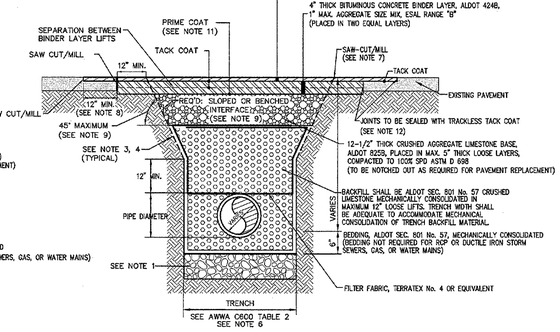
SANITARY SEWER TRENCH DETAILS: PVC OR DUCTILE IRON



TRENCH DETAIL FOR EXISTING UTILITY REMOVAL
N.T.S.



UTILITY TRENCH DETAIL
EXISTING PORTLAND CEMENT CONCRETE SURFACES
N.T.S.



UTILITY TRENCH/PAVEMENT REPAIR DETAIL
EXISTING BITUMINOUS CONCRETE SURFACES FOR HEAVY DUTY TRAFFIC
N.T.S.

NOTES:

1.) TRENCH FOUNDATION REQUIRED ONLY WHEN EXISTING SOIL CONDITIONS ARE INADEQUATE FOR PROPER PIPE SUPPORT AS DETERMINED BY OWNER'S REPRESENTATIVE.

2.) ALL TRENCH BACKFILL OPERATIONS SHALL BE OBSERVED BY THE OWNER'S REPRESENTATIVE ON THE PROJECT. HOWEVER, THE PRESENCE OF THE OWNER'S REPRESENTATIVE SHALL NOT RELIEVE THE CONTRACTOR OF ANY REQUIREMENTS OR OBLIGATIONS ASSOCIATED WITH ALL UTILITY TRENCHES.

3.) ALL SLOPES SHALL CONFORM TO OSHA REQUIREMENTS. ADDITIONAL PROTECTIVE MEASURES MAY BE REQUIRED ABOVE AND BEYOND OSHA, DEPENDING ON SPECIFIC TRENCH CONDITIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF WORKERS, THE GENERAL PUBLIC, AND OTHERS INVOLVED IN THE PROJECT AND SHALL PROVIDE SHEETING, BRACING, OR WHATEVER ACTION NECESSARY TO INSURE THE SAFETY OF PEOPLE, PROPERTY, AND STRUCTURES.

4.) THE LINES AND TRENCHES SHOWN ON THE TRENCH DETAILS ARE ONLY INTENDED TO DEFINE THE BACKFILL REQUIREMENTS AND THE MINIMUM DIMENSIONS FOR THE TRENCH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO "LAY BACK" THE TRENCH WALLS TO WHATEVER FLATNESS OF SLOPE IS NECESSARY TO PROVIDE SAFE WORKING CONDITIONS FOR THE PLACEMENT OF THE PIPE AND BEDDING.

5.) ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPD ASTM D 698 UNLESS OTHERWISE NOTED BY ABOVE DETAILS.

6.) AWWA C600 TABLE 2

SUGGESTED TRENCH WIDTHS AT THE TOP OF THE PIPE		SUGGESTED TRENCH WIDTHS AT THE TOP OF THE PIPE	
NOMINAL PIPE SIZE–INCHES	TRENCH WIDTH–INCHES	NOMINAL PIPE SIZE–INCHES	TRENCH WIDTH–INCHES
3 AND 4	28	16	40
6	30	18	42
8	32	20	44
10	34	24	48
12	36	30	54
14	38	36	60

7.) SAW-CUT/MILL LINE FOR INITIAL REMOVAL OF EXISTING MATERIAL AS REQUIRED FOR UTILITY INSTALLATION.

8.) SAW-CUT AND/OR MILL MINIMUM 12" WIDE BY 1-1/2" THICK PORTION OF EXISTING ASPHALT SURFACE FOLLOWING PLACEMENT OF BINDER LAYER. ACTUAL WIDTH OF SAW-CUT/MILL AREA SHALL BE SUFFICIENT TO PROVIDE MINIMUM OF 12" FROM ANY DAMAGED OR UNEVEN AREAS AS DETERMINED BY OWNER'S REPRESENTATIVE. FINISH EDGE OF MILLING SHALL PROVIDE NEAT, STRAIGHT APPEARANCE FOR FINAL WEARING SURFACE AS DETERMINED BY OWNER'S REPRESENTATIVE. EXISTING ADJACENT PAVEMENT SHALL NOT BE DISTURBED BY SAW-CUTTING/MILLING OPERATIONS.

9.) CONTRACTOR SHALL UTILIZE EITHER SLOPED PLANE OR BENCHED INTERFACE IN AREA OF PROPOSED CRUSHED AGGREGATE BASE COURSE IN ORDER TO PROPERLY TRANSFER LOAD FROM EXISTING AND REQUIRED SURFACES IN AREAS OF PAVEMENT REPAIRS. WHERE SLOPED PLANE SURFACE IS NOT OBTAINABLE BASED UPON MATERIAL CONDITIONS OR AS DIRECTED BY OWNER'S REPRESENTATIVE, A BENCHED SURFACE SHALL BE UTILIZED AS SHOWN ON DETAIL. THE SLOPED PLANE OR BENCHED SURFACE SHALL BE ON A MAXIMUM 45 DEGREE ANGLE AS SHOWN IN THE DETAIL. AREA OUTSIDE OF THE SLOPE PLANE OR BENCH SURFACE SHALL BE UNDISTURBED, WITH ANY AND ALL LOOSE OR UNSUITABLE MATERIAL REMOVED PRIOR TO PLACEMENT OF REQUIRED CRUSHED AGGREGATE BASE COURSE.

10.) POLYMER ADDITIVE SHALL NOT BE REQUIRED ON PAVEMENT REPAIRS REQUIRING LESS THAN 400 TONS ASPHALT MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OWNER PRIOR TO PERFORMING REPAIR WHEN POLYMER ADDITIVE WILL NOT BE USED.

11.) PRIME COAT MAY BE OMITTED IF BINDER LAYER APPLIED WITHIN 48 HOURS OF ACCEPTED CRUSHED AGGREGATE BASE COURSE BY OWNER'S REPRESENTATIVE (GEOTECHNICAL TESTING LABORATORY).

12.) ALL ASPHALT LAYERS AND JOINTS SHALL BE PROPERLY CLEANED BY ANY AND ALL MEANS NECESSARY PRIOR TO APPLICATION OF TRACKLESS TACK COAT. NO LOOSE MATERIAL, DEBRIS, MOISTURE, ETC., SHALL BE ON SURFACE(S) WHEN TRACKLESS TACK COAT APPLIED BETWEEN LAYERS OR AT JOINT(S).

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 26708 JAMES C. DUNCAN, III 1-23-12

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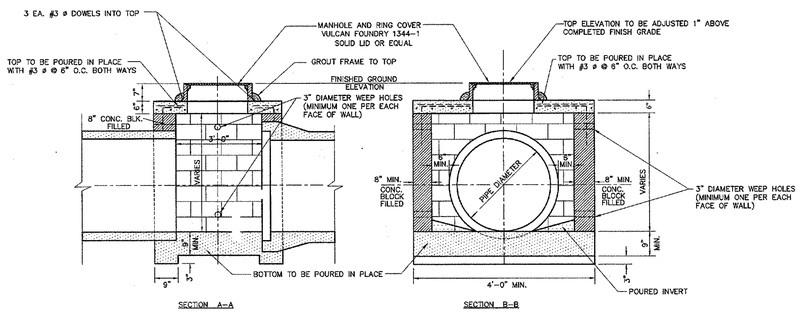
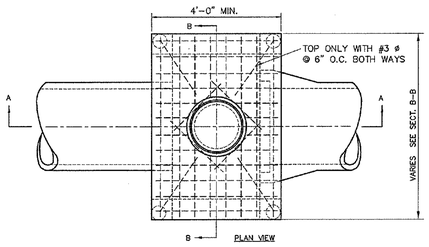
SHEET NUMBER C4.3

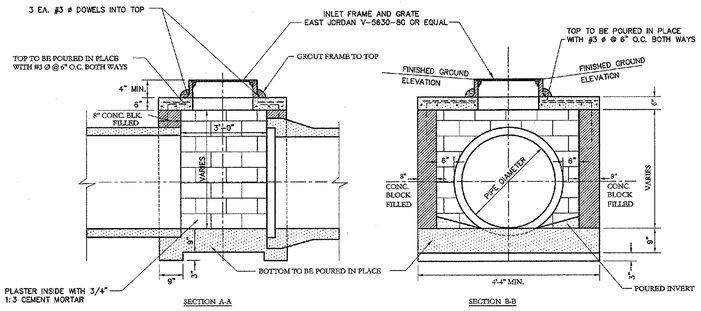


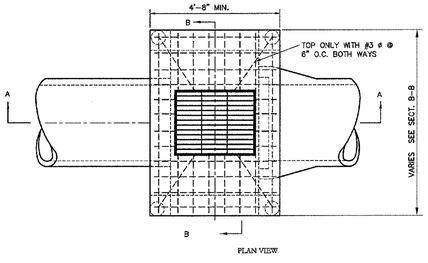


JUNCTION BOX DETAIL
N.T.S.

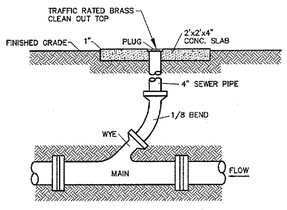
NOTE FOR ALL CONCRETE BOXES:

1. STEPS REQUIRED FOR STRUCTURES OVER 4 FEET DEEP LOCATION TO BE APPROVED BY PROJECT ENGINEER.
2. ALL CONCRETE TO BE 3,000 P.S.I.
3. ALL CONCRETE BLOCKS ARE TO BE FILLED WITH 3,000 P.S.I. CONCRETE.
4. PLASTER INSIDE WITH 3/4" 1:3 CEMENT MORTAR.
5. ALL CONCRETE BOXES INCLUDE FORMED INVERTS. THERE SHALL BE NO ADDITIONAL PAY FOR THIS WORK. IT IS CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE INLET.

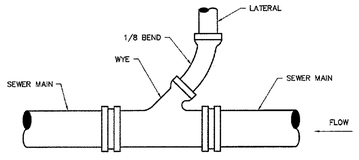




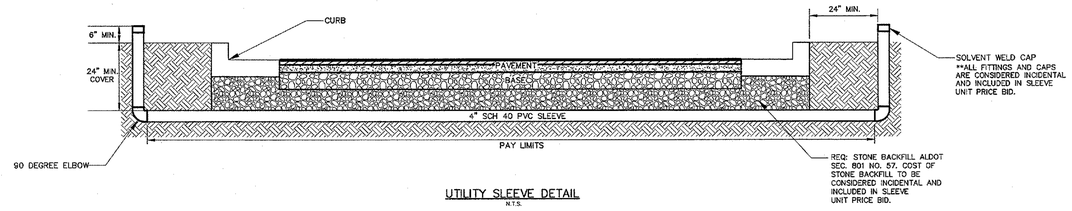
GRATE INLET DETAIL
N.T.S.



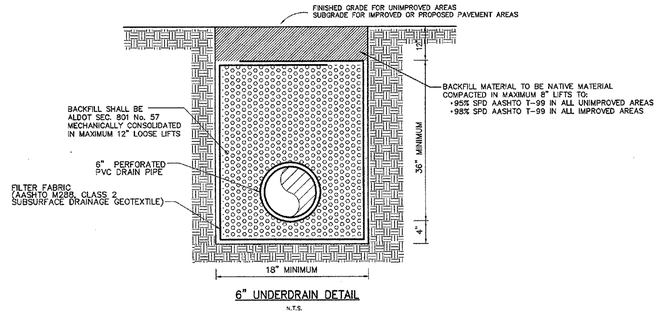
CLEAN OUT
N.T.S.



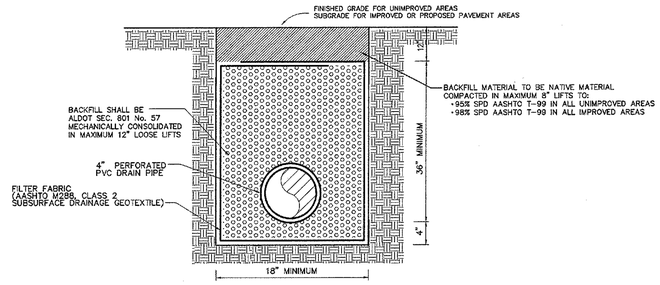
LATERAL CONNECTION
N.T.S.



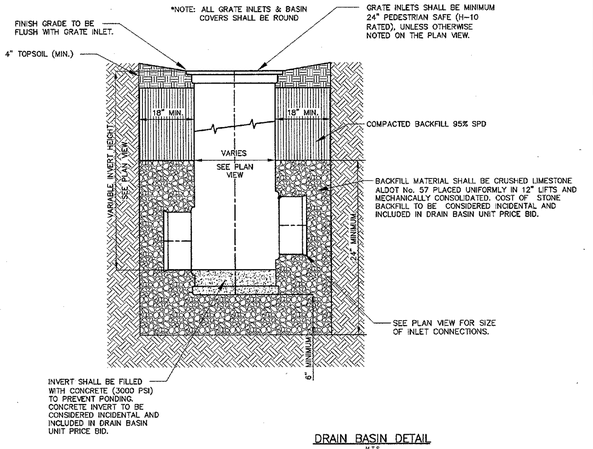
UTILITY SLEEVE DETAIL
N.T.S.



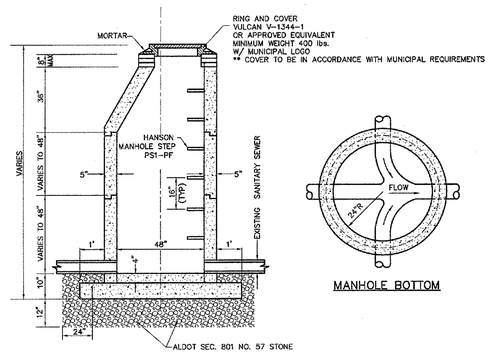
6" UNDERDRAIN DETAIL
N.T.S.



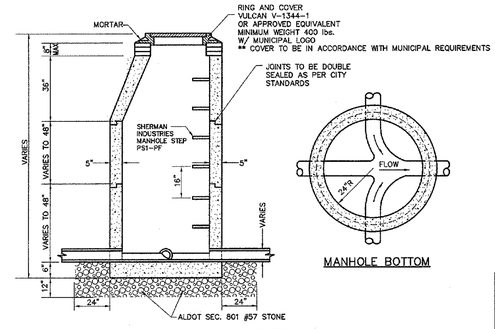
4" UNDERDRAIN DETAIL
N.T.S.



DRAIN BASIN DETAIL
N.T.S.



PRECAST MANHOLE SECTION
IN ACCORDANCE WITH ASTM C-478
N.T.S.



PRECAST ECCENTRIC CONE MANHOLE SECTION
N.T.S.
IN ACCORDANCE WITH ASTM C-478

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 28709 JAMES T. DUNCAN
1-25-12

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CONSTRUCTION DETAILS

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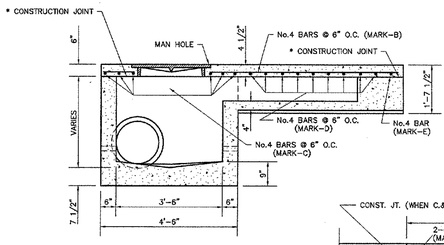
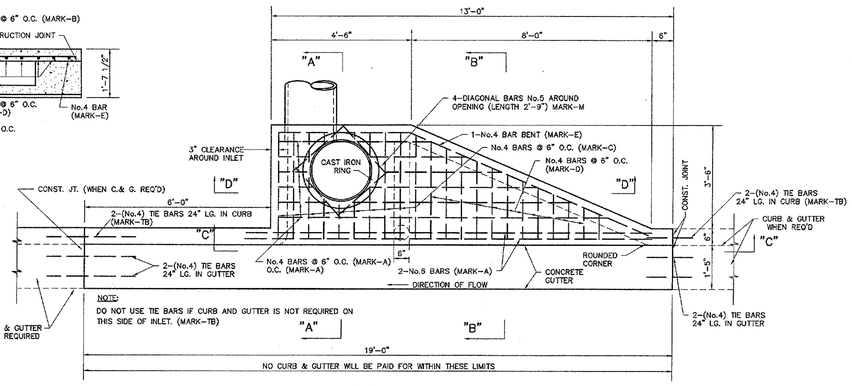


SECTION "DD"
SCALE: 1/2" = 1'-0"

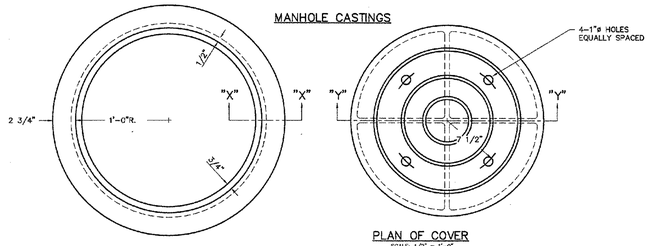
NOTE:
GRADE LINE ALONG FRONT OF INLET COVER SHALL CONFORM TO GRADE LINE ALONG TOP OF STREET CURB OF WHICH IT IS A PART.



PLAN
SCALE: 1/2" = 1'-0"

STEEL NOTE:
CLEAR BOTTOM OF SLAB (1") ONE INCH WITH LOWEST STEEL.

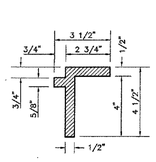
MANHOLE CASTINGS



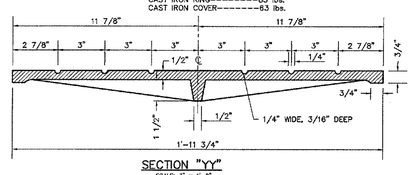
PLAN OF RING
SCALE: 1/2" = 1'-0"

PLAN OF COVER
SCALE: 1/2" = 1'-0"

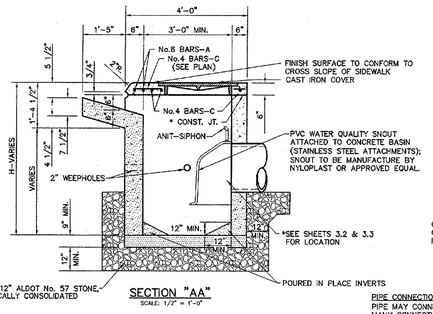
APPROXIMATE WEIGHT OF CASTING
CAST IRON RING--------83 lbs.
CAST IRON COVER--------63 lbs.



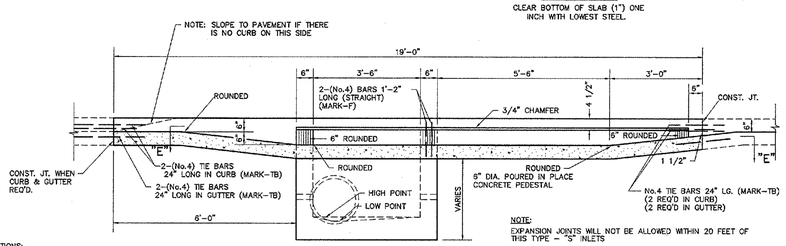
SECTION "XX"
SCALE: 3" = 1'-0"



SECTION "YY"
SCALE: 3" = 1'-0"



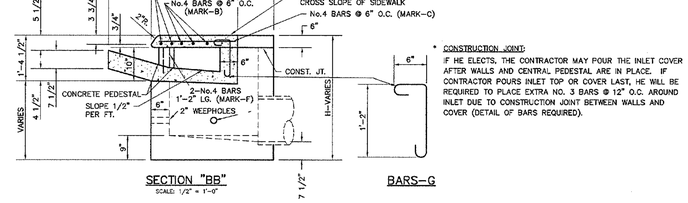
SECTION "AA"
SCALE: 1/2" = 1'-0"



PIPE CONNECTIONS:
PIPE MAY CONNECT WITH INLETS FROM ANY DIRECTION AND AS MANY CONNECTIONS SHALL BE MADE AS NECESSARY.

SECTION "CC"
SCALE: 1/2" = 1'-0"

NOTE:
EXPANSION JOINTS WILL NOT BE ALLOWED WITHIN 20 FEET OF THIS TYPE - "S" INLETS

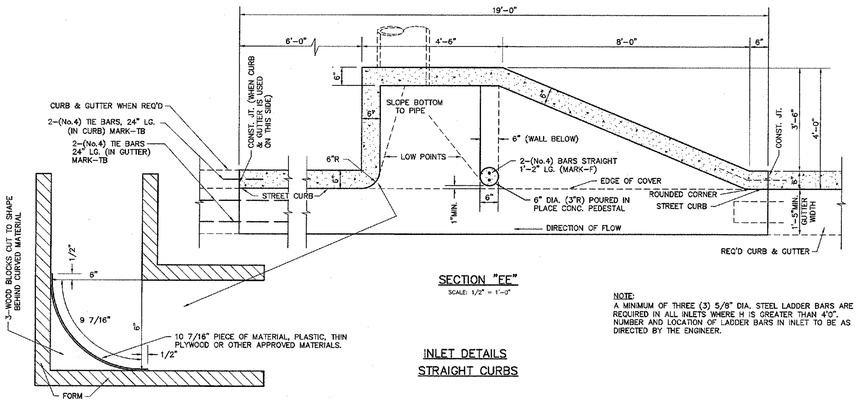


SECTION "BB"
SCALE: 1/2" = 1'-0"

BARS-G

* CONSTRUCTION JOINT:
IF HE ELECTS, THE CONTRACTOR MAY POUR THE INLET COVER AFTER WALLS AND CENTRAL PEDESTAL ARE IN PLACE. IF CONTRACTOR POURS INLET TOP OR COVER LAST, HE WILL BE REQUIRED TO PLACE EXTRA NO. 3 BARS @ 12" O.C. AROUND INLET DUE TO CONSTRUCTION JOINT BETWEEN WALLS AND COVER (DETAIL OF BARS REQUIRED).

NOTE TO CONTRACTOR:
CONCRETE PEDESTAL SHALL BE POURED IN PLACE. ROUND FORM MAY BE CONSTRUCTED OF METAL, PLASTIC OR OTHER APPROVED MATERIAL. A 8" DIAMETER PIPE SHELL FILLED WITH CONCRETE WILL NOT BE APPROVED.



PLAN

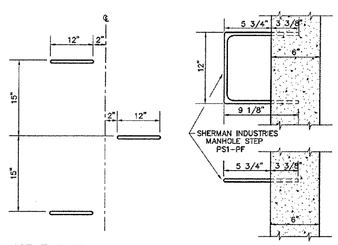
SECTION "EE"
SCALE: 1/2" = 1'-0"

INLET DETAILS
STRAIGHT CURBS

NOTE:
A MINIMUM OF THREE (3) 5/8" DIA. STEEL LADDER BARS ARE REQUIRED IN ALL INLETS WHERE H IS GREATER THAN 4'0". NUMBER AND LOCATION OF LADDER BARS IN INLET TO BE AS DIRECTED BY THE ENGINEER.

GENERAL NOTES:

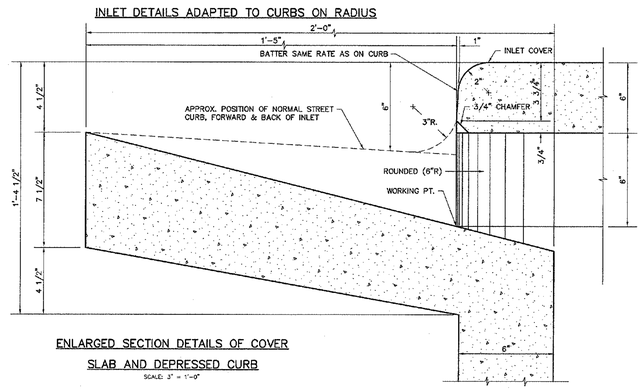
SPECIFICATIONS: CURRENT ALABAMA HIGHWAY DEPT. & AASHTO.
CONCRETE: CONCRETE SHALL BE CLASS-A.
REINFORCEMENT: REINFORCEMENT SHALL BE DEFORMED BAR.
INLET WINGS: WHERE DIRECTION OF FLOW IS FROM EACH END OF INLET SIDE WING OPENINGS (AS SHOWN ON ONE SIDE ONLY ON THIS DRAWING) SHALL BE CONSTRUCTED AT EACH END OF INLET, FOR EACH INLET SO CONSTRUCTED. PAYMENT WILL BE MADE UNDER ITEM "INLETS, TYPE-S (ONE WING)".
WEEP HOLES: 2" MINIMUM WEEP HOLES SHALL BE CONSTRUCTED IN INLETS AS DIRECTED BY THE ENGINEER TO FACILITATE SUBGRADE DRAINAGE.
LARGE PIPES: TO ACCOMMODATE LARGE PIPE OR FIT OTHER CONDITIONS, IT MAY BE NECESSARY TO INCREASE ONE OR BOTH PLAN DIMENSIONS OF INLET BOX AND COVER SLAB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRESPONDING INCREASE IN MATERIALS AND OTHER COSTS WHERE CHANGES IN DIMENSIONS ARE REQUIRED.



ARRANGEMENT OF LADDER BARS

DETAIL OF LADDER BARS
SCALE: 1 1/2" = 1'-0"

INLET DETAILS ADAPTED TO CURBS ON RADIUS



ENLARGED SECTION DETAILS OF COVER
SLAB AND DEPRESSED CURB
SCALE: 3" = 1'-0"

S-TYPE CATCH BASIN DETAIL

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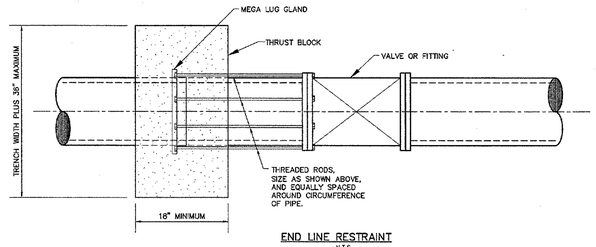
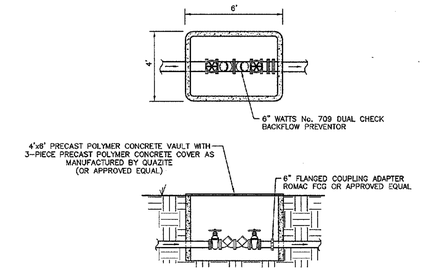
SHEET NUMBER	C4.5



END LINE RESTRAINT
N.T.S.

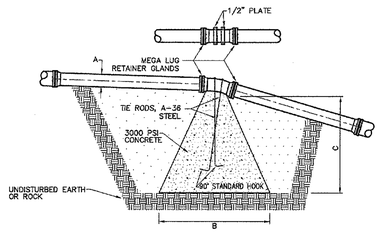
NUMBER OF TIE RODS REQUIRED FOR TEES, PLUGS, OR CAPS. TIE RODS SHALL BE A-36 STEEL, THREADED.

PIPE SIZE	ROD SIZE	No. OF RODS
6"	¾"	2
8"	¾"	2
10"	¾"	2
12"	¾"	4
14"	¾"	4
16"	¾"	6
18"	¾"	6
20"	¾"	8
24"	¾"	12
30"	1"	10
36"	1"	12



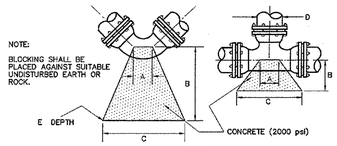
FIRE PROTECTION BACK FLOW PREVENTER ASSEMBLY
N.T.S.

NOTE: ALL PIPING INCLUDED IN THIS INSTALLATION SHALL BE CL. 350 DUCTILE IRON, FLANGED. DIMENSIONS SHOWN ARE APPROXIMATE & MAY VARY WITH DIFFERENT FITTINGS & VALVE MANUFACTURES. ALL PIPING, VALVES, FITTINGS, AND APPURTENANCES SHALL BE INCLUDED IN THE LUMP SUM UNIT PRICE.



PIPE DIAMETER A	C.Y. REQ'D 45° BEND	BASE B	HEIGHT C	ANCHOR SIZE	ANCHOR EMBEDMENT
6"	2.7	8' x 8'	4'-0"	¾"	2'-0"
8"	4.0	9' x 9'	4'-6"	¾"	2'-0"
10"	6.0	10' x 10'	5'-0"	¾"	2'-0"
12"	8.5	12' x 12'	6'-0"	¾"	2'-0"
14"	11.5	13' x 13'	6'-6"	¾"	2'-0"
16"	14.8	14' x 14'	7'-0"	¾"	2'-0"
18"	15.2	14' x 14'	7'-0"	1"	3'-6"
20"	15.6	15' x 15'	7'-8"	1"	3'-6"
24"	22.2	15' x 15'	8'-0"	1¼"	5'-0"
30"	34.2	18' x 18'	9'-0"	1¾"	5'-0"
36"	49.0	20' x 20'	10'-0"	1¾"	6'-0"

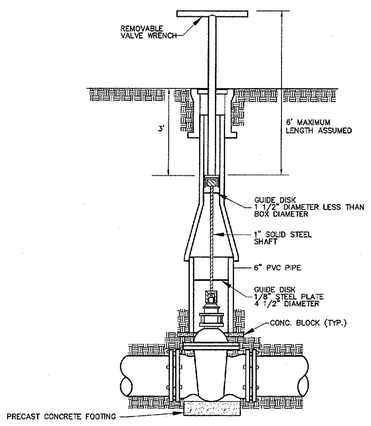
GRAVITY THRUST BLOCK
N.T.S.



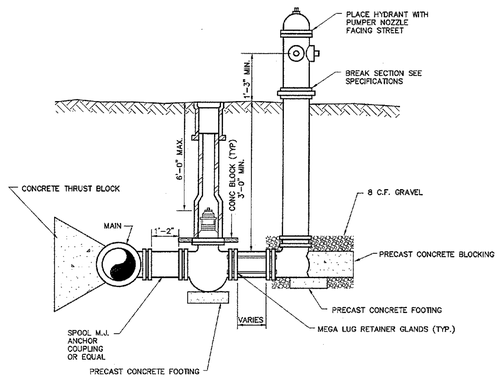
PIPE SIZE D	BLOCK DIMENSION A	B	C	E	FITTING TYPE
6"	1'-0"	2'-0"	2'-6"	2'-6"	90°, 45°, 22½°, 11¼" BENDS
6"	1'-0"	2'-0"	2'-6"	2'-0"	DEAD ENDS, TEES
8"	1'-0"	2'-0"	3'-0"	2'-6"	90°, 45°, 22½°, 11¼" BENDS
8"	1'-0"	2'-0"	3'-0"	2'-0"	DEAD ENDS, TEES
10"	1'-2"	3'-0"	3'-0"	3'-0"	90°, 45°, 22½°, 11¼" BENDS
10"	1'-2"	3'-0"	3'-6"	2'-6"	DEAD ENDS, TEES
12"	1'-2"	3'-0"	4'-6"	3'-6"	90°, 45°, 22½°, 11¼" BENDS
12"	1'-2"	3'-0"	4'-6"	3'-0"	DEAD ENDS, TEES
14"	1'-6"	3'-6"	5'-0"	4'-0"	90°, 45°, 22½°, 11¼" BENDS
14"	1'-6"	3'-6"	5'-0"	3'-0"	DEAD ENDS, TEES
16"	1'-6"	3'-6"	5'-0"	5'-0"	90°, 45°, 22½°, 11¼" BENDS
16"	1'-6"	3'-6"	5'-0"	4'-0"	DEAD ENDS, TEES

PIPE SIZE D	BLOCK DIMENSION A	B	C	E	FITTING TYPE
18"	1'-8"	4'-0"	6'-6"	5'-0"	90°, 45°, 22½°, 11¼" BENDS
18"	1'-8"	4'-0"	6'-6"	4'-0"	DEAD ENDS, TEES
20"	1'-8"	4'-0"	8'-0"	5'-0"	90°, 45°, 22½°, 11¼" BENDS
20"	1'-8"	4'-0"	8'-0"	4'-0"	DEAD ENDS, TEES
24"	2'-0"	5'-0"	9'-6"	6'-0"	90°, 45°, 22½°, 11¼" BENDS
24"	2'-0"	5'-0"	9'-6"	5'-0"	DEAD ENDS, TEES
30"	2'-0"	6'-0"	12'-6"	7'-0"	90°, 45°, 22½°, 11¼" BENDS
30"	2'-0"	6'-0"	12'-6"	6'-0"	DEAD ENDS, TEES
36"	2'-6"	7'-0"	15'-0"	8'-6"	90°, 45°, 22½°, 11¼" BENDS
36"	2'-6"	7'-0"	15'-0"	7'-0"	DEAD ENDS, TEES

CONVENTIONAL THRUST BLOCK DETAIL
N.T.S.

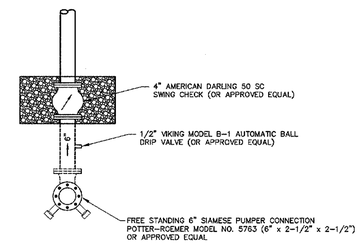


VALVE BOX & OPERATING NUT EXTENSION DETAIL
N.T.S.



NOTE:
1. PLACE CONCRETE TO AVOID INTERFERENCE WITH BOLTS, GLANDS, ETC.
2. ALL VALVES AND HYDRANTS SHALL BE ANCHORED WITH 2 EA. 3/4" TIE RODS AND STAR BOLTS.

TYPICAL FIRE HYDRANT INSTALLATION
N.T.S.



FREE STANDING POST SIAMESE FIRE CONNECTION ASSEMBLY
N.T.S.

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FILENAME: St-Francis-Details
McGiffert and Associates, LLC Drawing No.
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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED No. 26709 PROFESSIONAL ENGINEER JAMES T. DUNCAN 1-25-12

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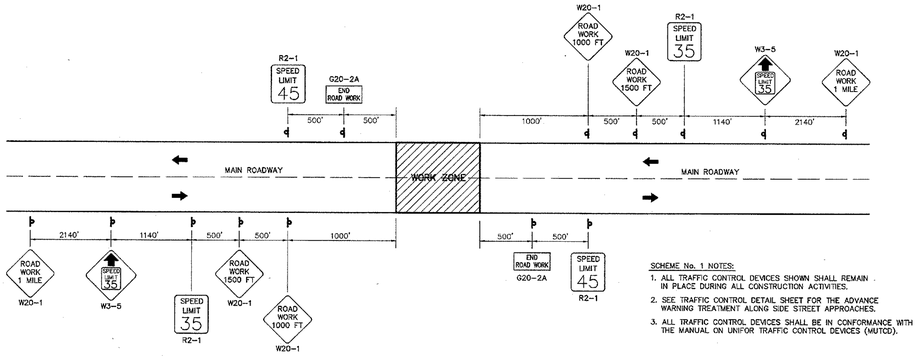
Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

JOB No.	08038
DATE:	REV DATE:
01/13/2012	
DRAWN BY:	DJT

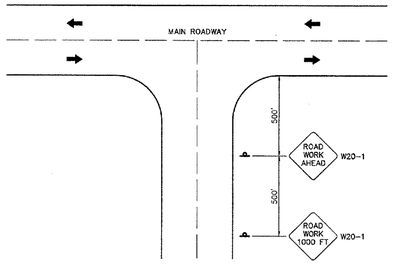
CONSTRUCTION DETAILS

SHEET NUMBER C4.6



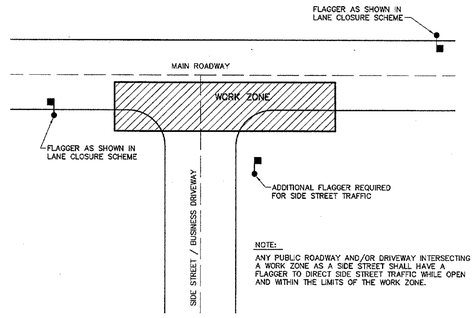
TYPICAL SCHEME No. 1
WORK ZONE ADVANCE WARNING SIGN PLACEMENT
N.T.S.

SCHEME No. 1 NOTES:
1. ALL TRAFFIC CONTROL DEVICES SHOWN SHALL REMAIN IN PLACE DURING ALL CONSTRUCTION ACTIVITIES.
2. SEE TRAFFIC CONTROL DETAIL SHEET FOR THE ADVANCE WARNING TREATMENT ALONG SIDE STREET APPROACHES.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE MANUAL ON UNIFOR TRAFFIC CONTROL DEVICES (MUTCD).



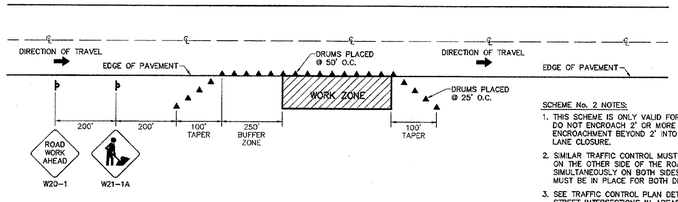
SCHEME No. 1A NOTES:
1. ALL TRAFFIC CONTROL DEVICES SHOWN SHALL REMAIN IN PLACE DURING ALL CONSTRUCTION ACTIVITIES.
2. SEE TRAFFIC CONTROL DETAIL SHEET FOR THE ADVANCE WARNING TREATMENT ALONG SIDE STREET APPROACHES.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE MANUAL ON UNIFOR TRAFFIC CONTROL DEVICES (MUTCD).

TYPICAL SCHEME No. 1A
WORK ZONE ADVANCE WARNING SIGN PLACEMENT
N.T.S.



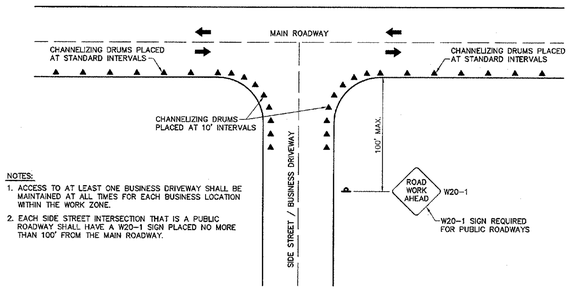
NOTE:
ANY PUBLIC ROADWAY AND/OR DRIVEWAY INTERSECTING A WORK ZONE AS A SIDE STREET SHALL HAVE A FLAGGER TO DIRECT SIDE STREET TRAFFIC WHILE OPEN AND WITHIN THE LIMITS OF THE WORK ZONE.

TYPICAL SIDE STREET INTERSECTIONS
WITHIN ROADWAY LANE CLOSURES
N.T.S.



TYPICAL SCHEME No. 2
SHOULDER WORK WITH MINOR ENCROACHMENT (NO LANE CLOSURE)
N.T.S.

SCHEME No. 2 NOTES:
1. THIS SCHEME IS ONLY VALID FOR AREA OF SHOULDER WORK THAT DO NOT ENCROACH 2' OR MORE INTO THE TRAVEL LANE. ANY ENCROACHMENT BEYOND 2' INTO THE TRAVEL LANE WILL REQUIRE LANE CLOSURE.
2. SIMILAR TRAFFIC CONTROL MUST BE IN PLACE FOR CONSTRUCTION ON THE OTHER SIDE OF THE ROAD, IF CONSTRUCTION OCCURS SIMULTANEOUSLY ON BOTH SIDES OF THE ROAD, CONTROL DEVICES MUST BE IN PLACE FOR BOTH DIRECTIONS.
3. SEE TRAFFIC CONTROL PLAN DETAILS FOR THE TREATMENT OF SIDE STREET INTERSECTIONS IN AREAS OF SHOULDER WORK.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHALL BE 25' ON CENTER.
5. ALL PORTABLE SIGNS SHALL BE REMOVED WHEN NOT IN USE OR AT THE END OF THE WORK DAY.
6. IN WORK AREA IMMEDIATELY ADJACENT TO A TRAVEL LANE WHERE CONSTRUCTION ACTIVITIES LAST MORE THAN ONE DAY AND A DROP EXISTS AT THE PAVEMENT EDGE, CHANNELIZING DRUMS WITH TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE PLACED AT 50' CENTERS.



NOTES:
1. ACCESS TO AT LEAST ONE BUSINESS DRIVEWAY SHALL BE MAINTAINED AT ALL TIMES FOR EACH BUSINESS LOCATION WITHIN THE WORK ZONE.
2. EACH SIDE STREET INTERSECTION THAT IS A PUBLIC ROADWAY SHALL HAVE A W20-1 SIGN PLACED NO MORE THAN 100' FROM THE MAIN ROADWAY.

TYPICAL SIDE STREET INTERSECTIONS
WITHIN WORK ZONES
N.T.S.

WORK ZONE NOTES

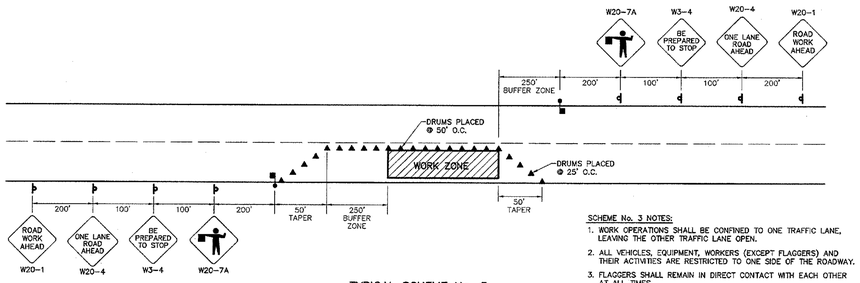
SIGHT DISTANCE TO DELINEATION DEVICES
TRANSITION TAPERS SHOULD BE OBVIOUS TO DRIVERS. IF RESTRICTED SIGHT DISTANCE IS A PROBLEM (e.g. A SHARP VERTICAL OR HORIZONTAL CURVE), THE TAPER SHOULD BEGIN WELL IN ADVANCE OF THE VIEW OBSTRUCTION. THE BEGINNING OF TAPERS SHOULD NOT BE HIDDEN BEHIND CURVES.

PEDESTRIANS AND BICYCLISTS
WHEN AN EXISTING PEDESTRIAN WAY OR BICYCLE WAY IS LOCATED WITHIN A TRAFFIC CONTROL WORK ZONE, ACCOMMODATION MUST BE MAINTAINED.

SIGN COVERING & INTERMITTENT WORK STOPPAGE SIGNING
EXISTING SIGNS THAT CONFLICT WITH TEMPORARY WORK ZONE SIGNING SHALL BE REMOVED OR COVERED AS APPROVED BY THE ENGINEER. TRAFFIC CONTROL SIGNS THAT REQUIRE COVERS WHEN NO WORK IS BEING PERFORMED IN A WORK ARE SHALL BE FULLY COVERED WITH A DURABLE OPAQUE SHEET MATERIAL. PLASTIC FILM AND WOVEN FABRICS INCLUDING BURLAP WILL NOT BE PERMITTED. COVERING OF ONLY THE LEGEND OR SYMBOL WILL NOT BE PERMITTED. REFLECTIVE COVERINGS WILL NOT BE PERMITTED. HINGED SIGNS DESIGNED TO COVER WHEN FOLDED AND SIGN BLANKS WILL BE PERMITTED.

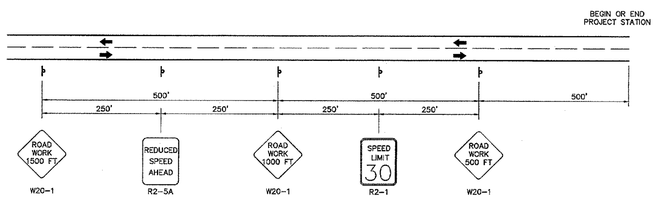
COVERS, BLANKS, HINGED PANELS, AND INTERMITTENT WORK STOPPAGE SHIELDS AND PLAQUES ARE INCIDENTAL TO WORK OPERATION SIGNS AND ARE NOT TO BE PAID FOR SEPARATELY.

REMOVING PAVEMENT MARKINGS
EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY WORK ZONE DELINEATION SHALL BE REMOVED BY ANY METHOD APPROVED BY THE ENGINEER. WHERE OPERATIONS EXCEED ONE DAYLIGHT PERIOD, PAINTING OVER EXISTING PAVEMENT MARKINGS WILL NOT BE PERMITTED.



TYPICAL SCHEME No. 3
ONE LANE CLOSURE
N.T.S.

SCHEME No. 3 NOTES:
1. WORK OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE, LEAVING THE OTHER TRAFFIC LANE OPEN.
2. ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGERS) AND THEIR ACTIVITIES ARE RESTRICTED TO ONE SIDE OF THE ROADWAY.
3. FLAGGERS SHALL REMAIN IN DIRECT CONTACT WITH EACH OTHER AT ALL TIMES.
4. TEMPORARY TRAFFIC CONTROL SIGNS ARE TO BE REMOVED DURING PERIODS WHEN BOTH LANES ARE IN USE.
5. WORK ZONES REQUIRING LANE CLOSURES SHALL BE NO LONGER THAN 500' OF ACTUAL WORKING AREA.
6. ANY WORK REQUIRING LANE CLOSURES SHALL BE CONDUCTED BETWEEN THE HOURS OF 9 A.M. TO 4 P.M. ON WEEKDAYS. NO LANE CLOSURES SHALL BE ALLOWED DURING PEAK TRAFFIC PERIODS.
7. WORK ZONES SHOWN IN THIS SCHEME SHALL BE LIMITED TO ONE DIRECTION OF TRAVEL AT A TIME AND SHALL BE SEPARATED BY AT LEAST A HALF MILE.



TYPICAL APPLICATION FOR 2-LANE ROADWAY-ADVANCE WARNING SIGNS
N.T.S.

NOTE:
1. ADVANCE WARNING SIGNS SHALL BE INSTALLED AT ALL APPROACHES TO THE PROJECT AREA. THESE SIGNS SHALL REMAIN UNTIL THE COMPLETION OF THE PROJECT.
2. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES SET FORTH IN THE MUTCD, LATEST EDITION RELATING TO ADVANCE WARNING SIGNS.
3. ALL ADVANCE WARNING SIGNS SHALL BE POST MOUNTED.

REQUIRED SIGN SIZES	
R2-1	24" X 30"
R2-5A	24" X 30"
W20-1	48" X 48"

LEGEND
- CONE OR DRUM
- TYPE I OR II BARRICADE
- TYPE III BARRICADE
- FLAGGER STATION
- SIGN
- WORK AREA
- FLASHING WARNING LIGHT

NOTES
1. TAPER SHOULD BE FORMED BY PLACING ONE CONE OR BARREL FOR EACH FOOT OF LANE WIDTH.
2. FLOOD LIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT OR DURING FAILING LIGHTS AS NEEDED.
3. SEE THE MUTCD, LATEST EDITION FOR GENERAL NOTES.

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for St. Francis of Assisi University Parish
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Contractor must verify all dimensions prior to construction.

JOB No.	08038
DATE:	REV DATE:
01/13/2012	
DRAWN BY:	DJT

CONSTRUCTION DETAILS

SHEET NUMBER C4.7

SIGN W14-1

STANDARD SIZE
36"X36"

PURPOSE

The W14-1, DEAD END, sign may be used to warn of a street or road which terminates in a dead end or a cul-de-sac.

COLOR: BACKGROUND – YELLOW (REFLECTORIZED)
MESSAGE, BORDER – BLACK

DETAILS

NUMBER:	W14-1-30	W14-1-36
SIZE:	30"X30"	36"X36"
MARGIN:	1/2"	5/8"
BORDER:	3/4"	7/8"
LETTER SIZE:	6-6	7-7
SERIES:	D-D	D-D
CORNER RADIUS:	1 7/8"	2 1/4"
PLACEMENT:	MIN.	STD.
PUNCHING STD:	C	C

When used, the DEAD END sign should be erected on the right side of the road or street, approximately 25 to 50 feet beyond the intersection, and facing traffic entering the dead end road or street.

SIGN TYPE I
N.T.S.

SIGN W21-4A

STANDARD SIZE
36"X36"

PURPOSE

The W21-4A, UTILITY WORK AHEAD, sign is intended for use in areas where utility work is being performed in or adjacent to the roadway.

COLOR: BACKGROUND – ORANGE (REFLECTORIZED)
MESSAGE, BORDER – BLACK

DETAILS

NUMBER:	W21-4A-30	W21-4A-36	W21-4A-48
SIZE:	30"X30"	36"X36"	48"X48"
MARGIN:	1/2"	5/8"	3/4"
BORDER:	3/4"	7/8"	1 1/4"
LETTER SIZE:	4-4-4	5-5-5	7-7-7
SERIES:	C-C-C	C-C-C	C-C-C
CORNER RADIUS:	1 7/8	2 1/4"	3"
PLACEMENT:	MIN.	STD.	SPECIAL

This sign, when used, is normally placed approximately 250 feet in advance of the next warning sign in the series in urban areas and approximately 500 feet in rural areas, subject to adjustment to local conditions.

SIGN TYPE II
N.T.S.

SIGN W23-4A

STANDARD SIZE
60"X24"

PURPOSE

THE W23-4A, END UTILITY WORK, sign may be used in sequence with the W21-4A, UTILITY WORK AHEAD, sign.

COLOR: BACKGROUND – ORANGE (REFLECTORIZED)
MESSAGE, BORDER – BLACK

DETAILS

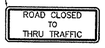
NUMBER:	W23-4A
SIZE:	60"X24"
MARGIN:	3/4"
BORDER:	7/8"
LETTER SIZE:	6-6
SERIES:	C-C
CORNER RADIUS:	3"
PLACEMENT:	STD
PUNCHING STD:	L

This sign shall be removed immediately after the utility work has been completed.
When used, this sign should be erected approximately 500 feet beyond the end of the work area.

SIGN TYPE III
N.T.S.

(2 REQ'D) TO BE INSTALLED ON MOVABLE STANDS

SIGN R11-4



STANDARD SIZE
60"X30"

PURPOSE

THE R11-4, ROAD CLOSED TO THRU TRAFFIC, sign is intended for use where through traffic must detour to avoid a closed section of highway because of construction or maintenance work, or for a temporary emergency, but local traffic has access up to the point of closure.

BACKGROUND – WHITE (REFLECTORIZED)
MESSAGE, BORDER – BLACK

DETAILS

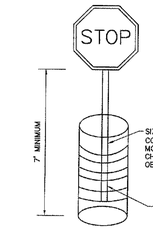
NUMBER:	R11-4
SIZE:	60"X30"
MARGIN:	1/2"
BORDER:	3/4"
LETTER SIZE:	8-5-8
SERIES:	C-C-C
CORNER RADIUS:	1 7/8"
PLACEMENT:	STD
PUNCHING STD:	J

Where this sign faces through traffic, it shall be preceded by an advance Road Closed warning sign and, if applicable, an advance Detour warning sign.

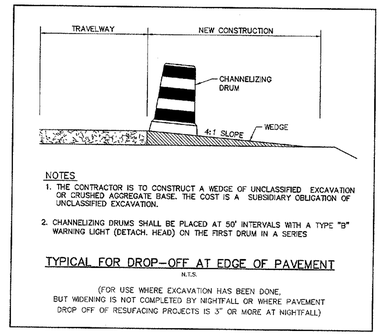
SIGN TYPE IV
N.T.S.

PERMANENT SIGN TYPES & INSTALLATION

TO BE INSTALLED AT LOCATIONS AS SHOWN ON PLANS
N.T.S.



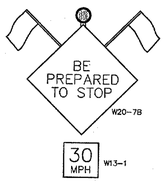
DRUM MOUNTED CONSTRUCTION SIGNS DETAIL
N.T.S.



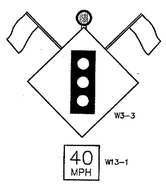
NOTES
1. THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE. THE COST IS A SUBSIDIARY OBLIGATION OF UNCLASSIFIED EXCAVATION.
2. CHANNELIZING DRUMS SHALL BE PLACED AT 50' INTERVALS WITH A TYPE "B" WARNING LIGHT (DETACH. HEAD) ON THE FIRST DRUM IN A SERIES

TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT
N.T.S.

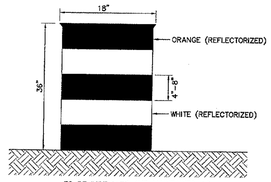
(FOR USE WHERE EXCAVATION HAS BEEN DONE, BUT WIDENING IS NOT COMPLETED BY NIGHTFALL OR WHERE PAVEMENT DROP OFF OF RESUFACING PROJECTS IS 3" OR MORE AT NIGHTFALL)



PREPARE TO STOP SIGN
(ALDOT W20-7B & W13-1)
N.T.S.



SIGNAL AHEAD SIGN
(ALDOT W3-3 & W13-1)
N.T.S.

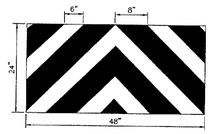


TO BE INSTALLED AND MAINTAINED AS SHOWN IN THE MUTCD, LATEST EDITION.

REFLECTOR DRUM DETAIL
N.T.S.

NO TURN SIGN
(ALDOT R3-2)
N.T.S.

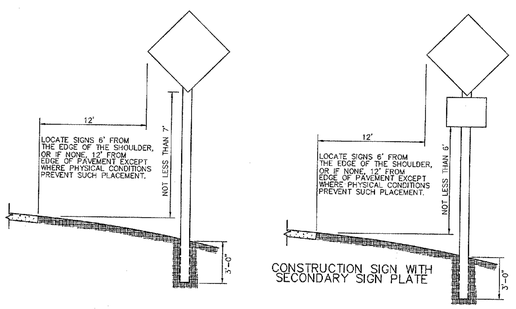
TRUCKS ENTER SIGN
N.T.S.



THE STANDARD COLOR FOR THIS SIGN SHALL BE BLACK AND YELLOW FOR STANDARD WARNING SIGNS AND BLACK AND ORANGE FOR CONSTRUCTION AND MAINTENANCE SIGNING. SEE MUTCD, LATEST EDITION FOR PLACEMENT DETAILS OF SIGNING FOR CONSTRUCTION AND MAINTENANCE WORK AREAS.

THE STANDARD SIZE SHALL BE 48"x24". THE PUNCHING STANDARD SHALL BE K.

HAZARD DETAIL
N.T.S.



CONSTRUCTION SIGN WITH SECONDARY SIGN PLATE

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS
N.T.S.

GENERAL TRAFFIC CONTROL PLAN NOTES

1.) THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2003 EDITION. THE TRAFFIC CONTROL DEVICES INDICATES REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.

2.) ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPES IV, VI, OR VIII FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.

3.) DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA DESIGNATED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC. WHICH ARE NOT IN USE DURING NON-WORKING HOURS.

4.) WHERE THE LOCATION OF A REQUIRED FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC. OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.

5.) THE CONTRACTOR IS TO REMOVE, RELOCATE OR COVER DURING CONSTRUCTION AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER.

6.) DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE PLACED AS EXPEDITIOUSLY AS PRACTICAL, BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC. EXCEPT ON SHORT TERM OPERATIONS WHERE IT IS DETERMINED BY THE ENGINEER THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING EXISTING MARKINGS IN PLACE.

7.) THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.

8.) ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

9.) THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING CONSTRUCTION.

10.) CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.

11.) FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASE ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.

12.) FLAGGERS SHALL BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.

13.) FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF THE FLAGGERS ARE IN SIGHT OF EACH OTHER, OR IF A PILOT CAR IS USED ON A TWO LANE ROADWAY.

14.) ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION SHALL BE PARKED A MINIMUM OF 30 FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.

15.) THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE MINIMUM TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.

16.) ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

17.) THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.

18.) ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS AND REMOVED AT THE COMPLETION OF THE DAY'S OPERATION.

19.) DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL ADVISE THE MOTORISTS OF ANY EDGE OF PAVEMENT DROP-OFFS 3 INCHES OR GREATER BY PLACING SHOULDER DROP-OFF SIGNS EVERY 1/2 MILE BEGINNING PRIOR TO THE WIDENING OR RESURFACING. REQUIRED SHOULDER WORK TO ELIMINATE THE DROP-OFFS SHALL BE PURSUED IN AN EXPEDITIOUS MANNER FOLLOWING THE WIDENING AND/OR RESURFACING.

20.) A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL AS LONG AS THE EDGE IS TAPERED OR ROUNDED TO ELIMINATE A VERTICAL DROP-OFF. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.

21.) SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.

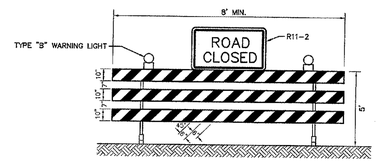
22.) CHANNELIZING DRUMS PLACED ON PAVEMENT DURING WORKING HOURS SHALL BE SHIFTED TO THE EDGE OF THE SHOULDER DURING NON-WORKING HOURS AND DURING PEAK PERIODS.

23.) CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

24.) THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING TRAVEL LANES.

25.) UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.

26.) MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.

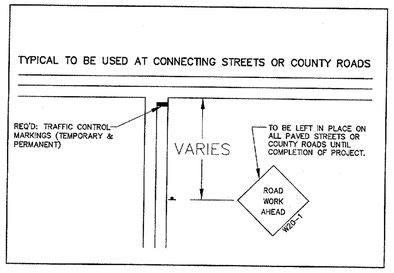


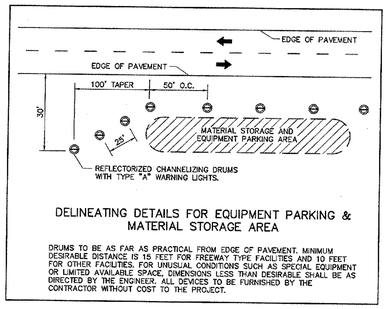
COLOR: BACKGROUND – WHITE (NON-REFLECTORIZED)
STRIPE – ORANGE (REFLECTORIZED)

NOTE: TYPE "B" WARNING LIGHTS ARE HIGH INTENSITY FLASHING WARNING LIGHTS MOUNTED ON THE ADVANCE WARNING SIGNS AND BARRIERS. TYPE "B" HIGH INTENSITY FLASHING WARNING LIGHTS SHALL OPERATE 24 HOURS PER DAY AND SHALL BE MAINTAINED SO AS TO BE CAPABLE OF BEING VISIBLE ON A SUNNY DAY WHEN VIEWED WITHOUT THE SUN DIRECTLY ON OR BEHIND THE DEVICE FROM A DISTANCE OF 1,000 FEET.

TYPE III BARRICADE
N.T.S.

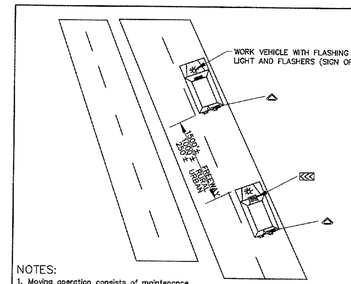
TYPICAL TO BE USED AT CONNECTING STREETS OR COUNTY ROADS





DELINEATING DETAILS FOR EQUIPMENT PARKING & MATERIAL STORAGE AREA

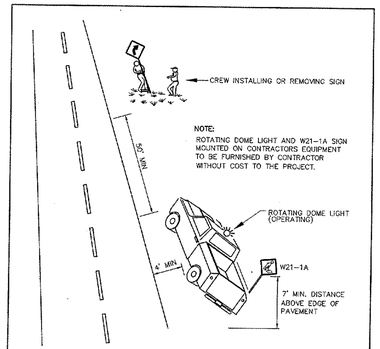
DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT. MINIMUM DESIRABLE DISTANCE IS 18 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER. ALL DEVICES TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE PROJECT.



NOTES:
1. Moving operation consists of maintenance operations such as sweeping and pavement striping which move at a relatively rapid pace.
2. Dimensions may be adjusted to fit field conditions.
3. For roadways with paved shoulders, the trailing vehicle should operate on the shoulder.
4. If the work vehicle is in the left lane, it should be equipped with an arrow panel and the trailing vehicle should be on the left shoulder.

All Traffic Control shown on this sketch shall be a subsidiary obligation of other items of work.

MOVING MAINTENANCE OPERATIONS ON ROADWAY SURFACE



TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS

McGiffert and Associates LLC
Since 1949
CIVIL ENGINEERS
2814 STILLMAN BLVD. • P.O. BOX 20559
TUSCALOOSA, ALABAMA 35402-0559
WWW.MCGIFFERT.COM (205) 759-1521 FAX(205) 759-1524

FILENAME: St-Francis-Details
McGiffert and Associates, LLC
Drawing No.
366-11

Ellis Architects
451 Helen Keller Boulevard, Suite 300
Birmingham, Alabama 35404
205.733.4420
www.ellisarchitects.com

New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

ALABAMA LICENSED No. 26890 PROFESSIONAL ENGINEER JAMES E. DUNCAN 1-25-12

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JOB No.	08038
DATE:	REV DATE:
01/13/2012	
DRAWN BY:	DJT

CONSTRUCTION DETAILS

SHEET NUMBER C4.8

Nimrod Long And Associates

L O N G

Land Planners
Landscape Architects
Urban Designers

3215 Morris Avenue First Floor Birmingham AL 35203 205/323 6072

Ellis Architects
631 Helen Keller Boulevard, Suite 300
Tuscaloosa, Alabama 35404
205.752.4420
www.ellisarchitects.com

New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

56 | Dwarf Yaupon Holly | ea | 3 gal. @ 36" o.c.
37 | Mary Nell Holly | ea | 15 gal. @ 5' o.c. single row
1 | Willow Oak | ea | 3" - 3.5" cal.
Sod Limits
Provide 2' mulch strip between back of curb and holly hedge
20 | Indian Hawthorn | ea | 3 gal. @ 36" o.c. double row
3 | Mine-no-yuki Sasanqua Camellia | ea | 7 gal. @ 48" o.c.
5 | Dwarf Yaupon Holly | ea | 3 gal. @ 36" o.c. double row
18 | Carissa Holly | ea | 3 gal. @ 36" o.c. double row
3 | Mine-no-yuki Sasanqua Camellia | ea | 7 gal. @ 48" o.c.
20' PUBLIC ALLEY
32 | Dwarf Yaupon Holly | ea | 3 gal. @ 30" o.c. single row
9 | Red Ruffles Azalea | ea | 3 gal. @ 36" o.c. double row
25 | Parneyi Cotoneaster | ea | 7 gal. @ 42" o.c.
22 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
21 | Parneyi Cotoneaster | ea | 7 gal. @ 42" o.c.
27 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
18 | Carissa Holly | ea | 3 gal. @ 36" o.c.
Sawcut and remove existing concrete paving, see Arch. Drawings
1 | Australis Bay Magnolia | ea | 12' - 14' ht.
23 | Grey Owl Juniper | ea | 3 gal. @ 42" o.c.
15 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
9 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
17 | G.G. Gerbing Azalea | ea | 3 gal. @ 42" o.c.
9 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
See Architectural Drawings for Playground Specifications
19 | Dwarf Yaupon Holly | ea | 3 gal. @ 36" o.c.
3 | Mary Nell Holly | ea | 7 - 8' ht.
12 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
1 | Australis Bay Magnolia | ea | 12' - 14' ht.
11 | Parneyi Cotoneaster | ea | 7 gal. @ 42" o.c.
70 | Asiatic Jasmine | ea | 1 gal. @ 18" o.c.
1 | Willow Oak | ea | 3" - 3.5" cal.
52 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
3 | Natchez Crape Myrtle | ea | 10' - 12' ht.
33 | Grey Owl Juniper | ea | 3 gal. @ 42" o.c.
5 | Mary Nell Holly | ea | 7 - 8' ht.
35 | Dwarf Yaupon Holly | ea | 3 gal. @ 36" o.c.
27 | Dwarf Burford Holly | ea | 3 gal. @ 36" o.c.
9 | Indian Hawthorn | ea | 3 gal. @ 36" o.c.
4 | Willow Oak | ea | 3" - 3.5" cal.
6 | Dwarf Yaupon Holly | ea | 3 gal @ 36" o.c.
3 | Green Velvet Boxwood | ea | 30" x 30"
35 | Asiatic Jasmine | ea | 1 gal. @ 18" o.c.
17 | Red Ruffles Azalea | ea | 3 gal. @ 36" o.c.
7 | Hardy Daisy Gardenia | ea | 3 gal. @ 36" o.c.
3 | Green Velvet Boxwood | ea | (2) 36" x 36", (1) 30" x 30"
22 | Carissa Holly | ea | 3 gal. @ 36" o.c.
30 | Parneyi Cotoneaster | ea | 7 gal. @ 42" o.c.
3 | Emily Bruner Holly | ea | 9' - 10' ht.
1 | Nuttall Oak | ea | 3" - 3.5" cal.
Sandstone Stepping Stones with brown and beige tones laid in random pattern as shown with 2" - 3" gap between stones planted with Dwarf Mondo Grass. Min. Size of Stepping Stones: 42" x 36" x 2" thick
3 | Legacy Sugar Maple | ea | 3.5" - 4" cal.
Sod Limits
200 | Asiatic Jasmine | ea | 1 gal. @ 18" o.c.
1 | Nuttall Oak | ea | 3" - 3.5" cal.
285 | Asiatic Jasmine | ea | 1 gal. @ 18" o.c.
2 | Japanese Maple | ea | 10' - 12' ht.
33 | Needlepoint Holly | ea | 3 gal. @ 30" o.c. single row
Nuttall Oak | ea | 3" - 3.5" cal.
125 | Asiatic Jasmine | ea | 1 gal. @ 18" o.c.
95 | Asiatic Jasmine | ea | 1 gal. @ 18" o.c.
40 | Dwarf Yaupon Holly | ea | 3 gal. @ 36" o.c.
Provide 2' mulch strip between back of curb and holly hedge
French Drain Detail 9/L2.01
Carissa Holly | 5 | 3 gal. @ 36" o.c. | ea
Parneyi Cotoneaster | 10 | 7 gal. @ 42" o.c. | ea
Dwarf Burford Holly | 14 | 3 gal. @ 36" o.c. | ea double row
6 | Dwarf Yaupon Holly | ea | 3 gal @ 36" o.c.
Asiatic Jasmine | 35 | 1 gal. @ 18" o.c. | ea
Japanese Maple | 1 | 10' - 12' ht. | ea
Fatsia | 3 | 3 gal. @ 42" o.c. | ea
Parneyi Cotoneaster | 9 | 7 gal. @ 42" o.c. | ea
Hardy Daisy Gardenia | 8 | 3 gal. @ 36" o.c. | ea
Holly Fern | 15 | 1 gal. @ 18" o.c. | ea
Fatsia | 4 | 3 gal. @ 42" o.c. | ea
Green Velvet Boxwood | 3 | (2) 36" x 36", (1) 30" x 30" | ea
Cast Iron Plant | 26 | 1 gal. @ 12" o.c. | ea
Dwarf Mondo Grass | 45 | 4" pots @ 6" o.c. | sf
space 2' apart between stones
Carissa Holly | 39 | 3 gal. @ 36" o.c. | ea
Asiatic Jasmine | 165 | 1 gal. @ 18" o.c. | ea
Natchez Crape Myrtle | 3 | 10' - 12' ht. | ea
Dwarf Yaupon Holly | 76 | 3 gal. @ 36" o.c. | ea
Willow Oak | 3 | 3" - 3.5" cal. | ea
Nuttall Oak | 5 | 3" - 3.5" cal. | ea
Dwarf Yaupon Holly | 34 | 3 gal. @ 36" o.c. | ea
Natchez Crape Myrtle | 3 | 10' - 12' ht. | ea
French Drain Detail 9/L2.01
French Drain Detail 9/L2.01
French Drain Detail 9/L2.01
Red Ruffles Azalea | 14 | 3 gal. @ 36" o.c. | ea
Red Ruffles Azalea | 11 | 3 gal. @ 36" o.c. | ea
Mine-no-yuki Sasanqua Camellia | 3 | 7 gal. @ 48" o.c. | ea
Red Ruffles Azalea | 8 | 3 gal. @ 36" o.c. | ea
Parneyi Cotoneaster | 12 | 7 gal. @ 42" o.c. | ea
Indian Hawthorn | 75 | 3 gal. @ 36" o.c. | ea
Mary Nell Holly | 3 | 7 - 8' ht. | ea
Emily Bruner Holly | 3 | 6' - 7' ht. | ea
Emily Bruner Holly | 3 | 6' - 7' ht. | ea
Dwarf Yaupon Holly | 17 | 3 gal. @ 30" o.c. | ea single row
Asiatic Jasmine | 195 | gal. @ 18" o.c. | ea
Dwarf Yaupon Holly | 26 | 3 gal. @ 36" o.c. | ea
Willow Oak | 1 | 3" - 3.5" cal. | ea
Dwarf Burford Holly | 18 | 3 gal. @ 36" o.c. | ea
Willow Oak | 2 | 3" - 3.5" cal. | ea
Mine-no-yuki Sasanqua Camellia | 7 | 7 gal. @ 48" o.c. | ea
Indian Hawthorn | 37 | 3 gal. @ 36" o.c. | ea
Indian Hawthorn | 9 | 3 gal. @ 36" o.c. | ea
Willow Oak | 3 | 3" - 3.5" cal. | ea
Degroots Spire Arborvitae | 2 | 9' - 10' ht. | ea
Grey Owl Juniper | 7 | 3 gal. @ 42" o.c. | ea
Mary Nell Holly | 3 | 7' - 8' ht. | ea
Hardy Daisy Gardenia | 19 | 3 gal. @ 36" o.c. | ea
Mary Nell Holly | 3 | 7' - 8' ht. | ea
Grey Owl Juniper | 5 | 3 gal. @ 42" o.c. | ea
Indian Hawthorn | 7 | 3 gal. @ 36" o.c. | ea
Willow Oak | 3 | 3" - 3.5" cal. | ea
Degroots Spire Arborvitae | 2 | 9' - 10' ht. | ea
Mary Nell Holly | 3 | 7' - 8' ht. | ea
G.G. Gerbing Azalea | 19 | 3 gal. @ 42" o.c. | ea
"RBC CENTURA BANK"
"TEMPLE EMANUEL"
"HILLEL HOUSE"
LOT 12
LOT 11
5th AVENUE
9th STREET
4th AVENUE
SCALE IN FEET
0 20 40
NORTH

STATE OF ALABAMA
NIMROD W. L. LONG, III
NUMBER 204
REGISTERED LANDSCAPE ARCHITECT

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JOB No.	08038
DATE:	REV DATE:
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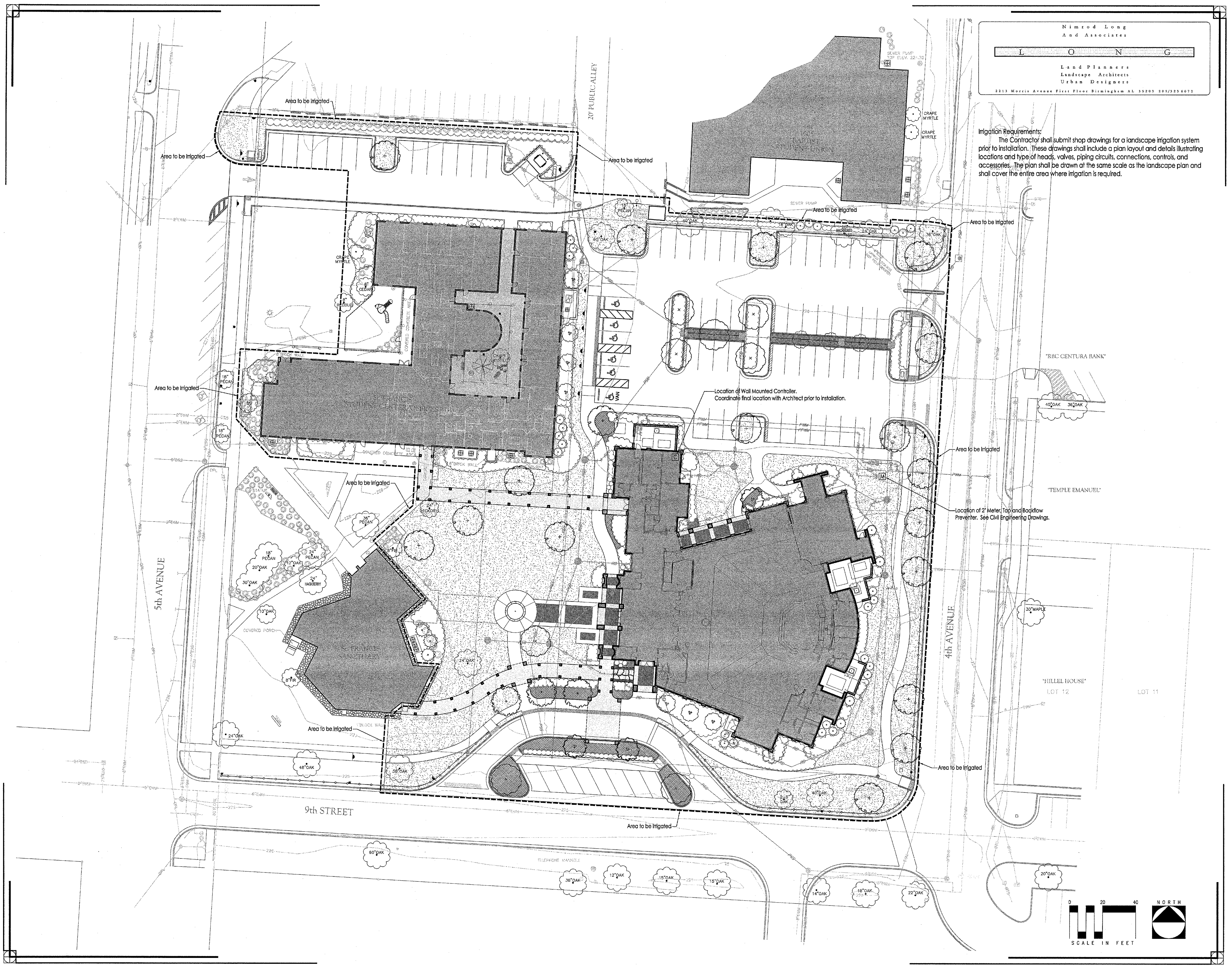
DRAWN BY:	MAO/NLA

Landscape Plan

SHEET NUMBER L1.01



Irrigation Requirements:
The Contractor shall submit shop drawings for a landscape irrigation system prior to installation. These drawings shall include a plan layout and details illustrating locations and type of heads, valves, piping circuits, connections, controls, and accessories. The plan shall be drawn at the same scale as the landscape plan and shall cover the entire area where irrigation is required.

EllisArchitects
631 Helen Keller Boulevard, Suite 300
Tuscaloosa, Alabama 35404
205.752.4420
www.ellisarchitects.com

New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA NIMROD W. E. LONG, III NUMBER 204 REGISTERED LANDSCAPE ARCHITECT

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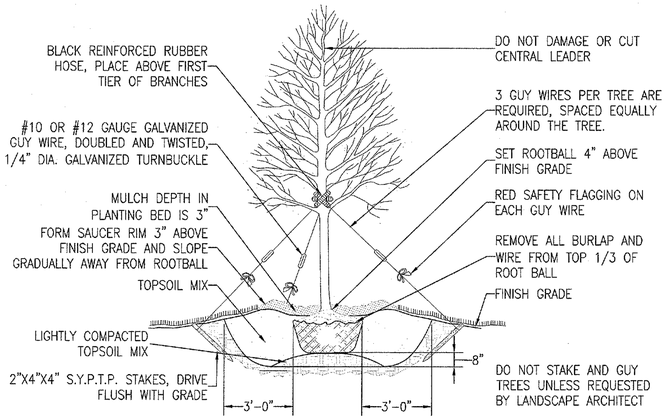
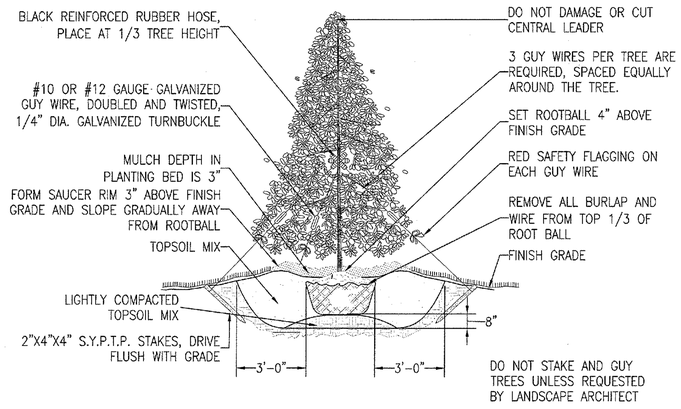
DATE:	REV DATE:
01/26/2012	
DRAWN BY:	MAO/NLA

Performance Irrigation Plan

SHEET NUMBER L1.02

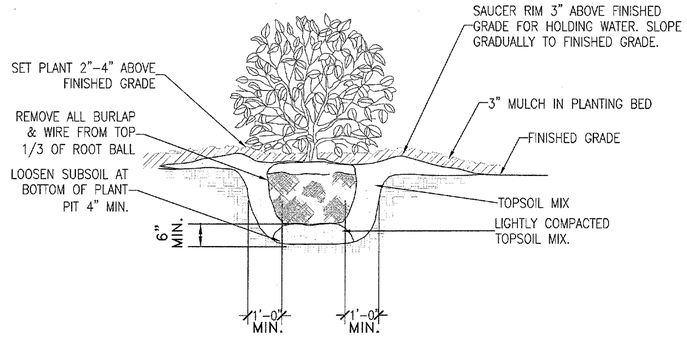


1 L2.01 **Typical Standard Tree Planting Detail**
Scale: NTS

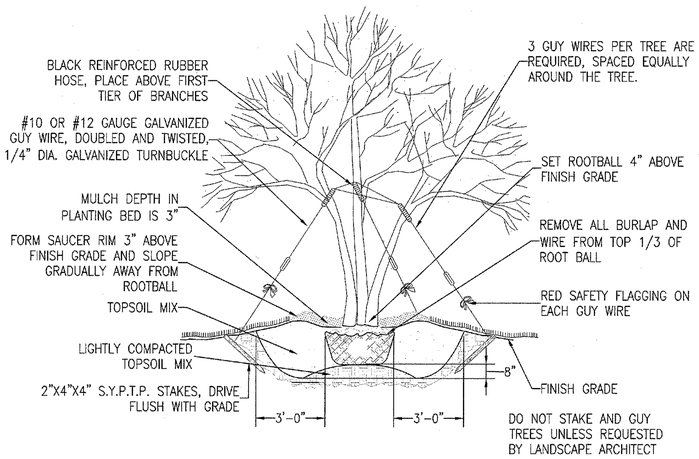


2 L2.01 **Typical Evergreen Tree Planting Detail**
Scale: NTS

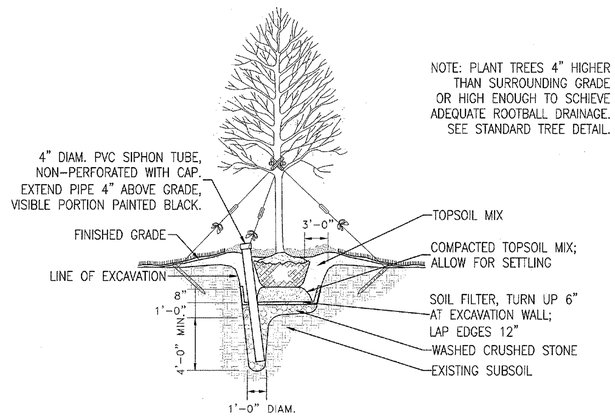
Nimrod Long And Associates
L O N G
Land Planners
Landscape Architects
Urban Designers
2213 Morris Avenue First Floor Birmingham AL 35203 205/323 5072



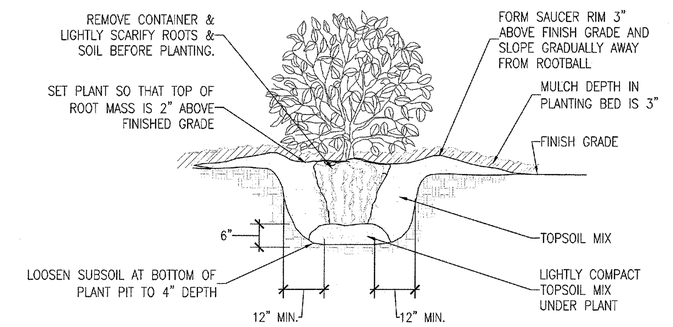
3 L2.01 **Typical Ball & Burlap Shrub Planting Detail**
Scale: NTS



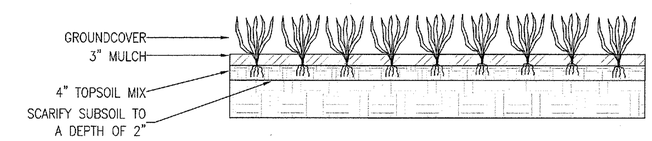
4 L2.01 **Typical Multi-trunk Tree Planting Detail**
Scale: NTS



5 L2.01 **Tree Pit with Siphon Tube Detail**
Scale: NTS



6 L2.01 **Typical Container Shrub Planting Detail**
Scale: NTS

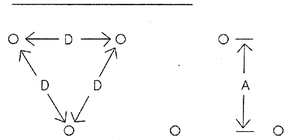


7 L2.01 **Typical Groundcover Planting Detail**
Scale: NTS

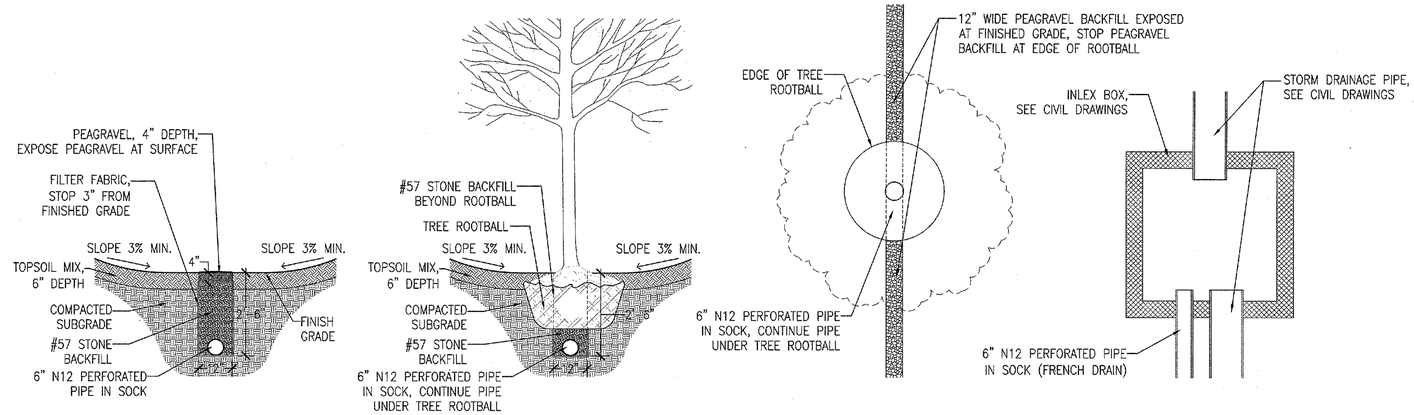
PLANT SPACING CHART

Plant Material	Spacing "A"	Spacing "D"
Cast Iron Plant	10"	12"
Asiatic Jasmine	15"	18"
Dwarf Yaupon Holly	30"	36"
Parneyi Cotoneaster	35"	42"

PLANT SPACING PLAN



8 L2.01 **Plant Spacing Chart**
Scale: NTS



9 L2.01 **French Drain Detail**
Scale: NTS

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
NIMROD W. E. LONG, III
NUMBER 204
REGISTERED LANDSCAPE ARCHITECT

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Landscape Details

SHEET NUMBER L2.01

1. ADHERE TO PLANS FOR ALL PHASES OF WORK.
2. PROVIDE LABOR, EQUIPMENT, MATERIALS AND SERVICES NECESSARY TO COMPLETE LANDSCAPE WORK.
3. VERIFY ALL UTILITY LOCATIONS IN THE FIELD BEFORE BEGINNING WORK. REPAIR DAMAGED UTILITIES TO OWNER'S SATISFACTION AT NO ADDITIONAL COST.
4. VERIFY QUANTITIES ON PLAN BEFORE PRICING WORK. PROVIDE UNIT PRICES FOR ALL PLANT MATERIAL WITH PRICING.
5. ALL MATERIALS ARE SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER AT ANY TIME.
6. PROVIDE, PLACE AND SPREAD TOPSOIL WHICH IS FREE OF WEEDS, SEEDS, GRASSES, DEBRIS, AND OTHER SUBSTANCES HARMFUL TO PLANT GROWTH; LESS THAN 30% SILT; TO DEPTHS SHOWN OR MINIMUM 4" DEPTH; APPROVED BY LANDSCAPE ARCHITECT.
7. PREPARE ALL TOPSOIL MIX USED IN TREE AND SHRUB PITS AND IN GROUNDCOVER BEDS IN THE FOLLOWING PROPORTIONS:
   - 4 PARTS TOPSOIL AS SPECIFIED
   - 2 PARTS DECOMPOSED ORGANIC MATTER
   - 2 PARTS SAND

   PREMIX SOIL BEFORE PLACING IN BED OR PIT. PLACE AND SPREAD MINIMUM 6" DEPTH OF TOPSOIL MIX IN ALL SHRUB BEDS.
8. FINE GRADE TO PROVIDE ADEQUATE SURFACE DRAINAGE AWAY FROM BUILDING AND TO PREVENT PONDING.
9. STAKE PLANT LOCATIONS FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE INSTALLATION. ADJUST STAKED LOCATIONS AS DIRECTED.
10. PROVIDE AND INSTALL TREES, SHRUBS, GROUNDCOVER, SEED AND SOD AS SHOWN. ALL PLANT MATERIAL SHALL MEET OR EXCEED SIZE STANDARDS SET FORTH IN 'AMERICAN STANDARD FOR NURSERY STOCK,' ANSI Z60.1–1996. MATERIAL SHALL CONFORM TO STATE AND FEDERAL REQUIREMENTS FOR INSECT AND DISEASE CONTROL. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
11. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE TREE PIT DRAINAGE. INADEQUATE DRAINAGE IS DEFINED BY THE FOLLOWING: FLOOD EMPTY TREE PIT TO LEVEL OF SURROUNDING SOIL; IF WATER FAILS TO PERCOLATE OUT WITHIN 24–HOUR PERIOD, DRAINAGE IS INADEQUATE.
12. MULCH PLANT PITS AND PLANTING BEDS WITH SHREDDED PINEBARK MULCH TO THE DEPTH INDICATED ON THE DRAWINGS AND DETAILS, OR A MINIMUM 3" DEPTH.
13. REMOVE FROM SITE ANY PLANT MATERIAL WHICH TURNS BROWN OR DEFOLIATES WITHIN FIVE (5) DAYS AFTER PLANTING. REPLACE IMMEDIATELY WITH APPROVED SPECIFIED MATERIAL.
14. MAINTAIN ALL PLANT MATERIAL AND LAWN AREAS UNTIL SUBSTANTIAL COMPLETION, UNLESS OTHERWISE SPECIFIED. (MAINTENANCE INCLUDES WATERING, SPRAYING, WEEDING, MULCHING, STRAIGHTENING, MOWING, FERTILIZING, ETC. AS SPECIFIED).
15. GUARANTEE ALL MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR.
16. INSTALL ALL PLANT MATERIALS IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES.
17. NO GRAFTED MAPLES WILL BE ACCEPTED.

10 L2.02 General Planting Notes

Nimrod Long And Associates

L O N G

Land Planners
Landscape Architects
Urban Designers

3215 Morris Avenue First Floor Birmingham AL 35203 205/323 6072

ALL TREES SHALL BE SELECTED BY CONTRACTOR OR PRE–TAGGED BY LANDSCAPE ARCHITECT AT ONE OF THE FOLLOWING LISTED NURSERIES. ALTERNATE SOURCES MUST FIRST BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT. ALL TREES ARE SUBJECT TO REVIEW BY LANDSCAPE ARCHITECT AT ANY TIME DURING THE COURSE OF THE WORK.

RAY BRACKEN NURSERY, INC.
815 BRACKEN ROAD
PIEDMONT, S.C. 29673
(864) 277–1990

HUNTER TREES, LLC
700 INDIAN VALLEY ROAD
ALPINE, AL 35014
1–866–348–6837
FAX 1–866–873–3329

MARIAN GARDENS
619 STATE RD 50
GROVELAND, FL 34736
(352) 429–4151

PRITCHARD'S NURSERY
P.O. BOX 898
MADISON, GEORGIA 30650
(800) 762–4607
(706) 342–4255

SELECT TREES
1900 COLE SPRINGS ROAD
BISHOP, GA 30621
(706) 769–9879

SHADY GROVE PLANTATION
3030 CHARLESTON RD, SW
ORANGEBURG, S.C. 29115
(803) 534–5683

BOLD SPRINGS NURSERY
3920 BOLD SPRINGS ROAD NW
MONROE, GA 30656
(770) 267–9196

FUTURE TREES
15281 GEORGIA HIGHWAY 67
STATESBORO, GEORGIA 30458
(912) 681–6502

PLANTATION TREE CO.
120 COUNTY RD 15 SOUTH
SELMA, AL 36703
(800) 848–5064
(334) 875–9176

MERRIT BROS., INC.
8515 HIGHWAY NORTH
EASLEY, S.C. 29642
(864) 859–4189

HALKA NURSERY
240 SWEETMANS LANE
ENGLISHTOWN, NJ 07726
(732) 462–8450

11 L2.02 Tree Selection

Qty.	Units	Botanical Name	Common Name	Caliper	Height	Spread	Rootball	Spacing	Comments
Trees									
3	ea	*Acer palmatum*	Japanese Maple		10'–12'	5'–6'	20"–24"		Multi–trunk specimen; 3–5 stems/plant
3	ea	*Acer saccharaum 'Legacy'*	Legacy Sugar Maple	3.5"–4"	14'–16'	7'–8'	32"–36"		Strong Central Leader
9	ea	*Lagerstroemia indica 'Natchez'*	Natchez Crape Myrtle	2" min.	10'–12'	5'–6'	24"–28"		Multi–trunk; 3–5 stems/plant
2	ea	*Magnolia virginiana 'Australis'*	Australis Bay Magnolia		12'–14'	5'–6'	28"–32"		Multi–truck specimen; avl. thru Hunter Trees
4	ea	*Thuja occidentalis 'Degroots Spire'*	Degroots Spire Arbovitae		9'–10'	4'–5'	24"–28"		Full to ground; avl. thru Hunter Trees
8	ea	*Quercus nuttalli*	Nuttall Oak	3"–3.5"	12'–14'	6'–7'	28"–32"		Strong Central Leader
18	ea	*Quercus phellos*	Willow Oak	3"–3.5"	12'–14'	6'–7'	28"–32"		Strong Central Leader
Shrubs									
4	ea	*Buxus sepervirens 'Green Velvet'*	Green Velvet Boxwood		36"	36"			Full and Compact
5	ea	*Buxus sepervirens 'Green Velvet'*	Green Velvet Boxwood		30"	30"			Full and Compact
16	ea	*Camellia sasanqua 'Mine–No–Yuki'*	Mine–No–Yuki Sasanqua Camellia		30"–36"	24"–30"	7 gal.	48" o.c.	Full
118	ea	*Cotoneaster lacteus*	Parneyi Cotoneaster		36"–42"	30"–36"	7 gal.	42" o.c.	Full
7	ea	*Fatsia japonica*	Fatsia		18"–24"	18"–24"	3 gal.	42" o.c.	Full
34	ea	*Gardenia radicans 'Hardy Daisy'*	Hardy Daisy Gardenia		18"–24"	18"–24"	3 gal.	36" o.c.	Full
59	ea	*Ilex cornuta 'Burfordii Nana'*	Dwarf Burford Holly		18"–24"	18"–24"	3 gal.	36" o.c.	Full and Compact
102	ea	*Ilex cornuta 'Carissa'*	Carissa Holly		15"–18"	15"–18"	3 gal.	36" o.c.	Full and Compact
33	ea	*Ilex cornuta 'Delcambre'*	Needlepoint Holly		18"–24"	18"–24"	3 gal.	30" o.c.	Full and Compact
346	ea	*Ilex vomitoria 'Nana'*	Dwarf Yaupon Holly		15"–18"	15"–18"	3 gal.	30"/36"	Full and Compact
3	ea	*Ilex x 'Emily Bruner'*	Emily Bruner Holly		9'–10'	5'–5.5'	28"–32"		Full to Ground
6	ea	*Ilex x 'Emily Bruner'*	Emily Bruner Holly		6'–7'	4'–4.5'	20"–24"		Full to Ground
20	ea	*Ilex x 'Mary Nell'*	Mary Nell Holly		7'–8'	4.5'–5'	24"–28"		Full to Ground
37	ea	*Ilex x 'Mary Nell'*	Mary Nell Holly		4'–5'	3'–4'	15 gal.	5' o.c.	Full to Ground
68	ea	*Juniperus virginiana 'Grey Owl'*	Grey Owl Juniper		15"–18"	18"–24"	3 gal.	42" o.c.	Full
303	ea	*Raphiolepis indica*	Indian Hawthorn		15"–18"	15"–18"	3 gal.	36" o.c.	Full
36	ea	*Rhododendrun indicum 'G.G. Gerbing'*	G.G. Gerbing Azalea		18"–24"	18"–24"	3 gal.	42" o.c.	Full
59	ea	*Rhododendrun indicum 'Red Ruffles'*	Red Ruffles Azalea		18"–24"	18"–24"	3 gal.	36" o.c.	Full
Groundcover									
26	ea	*Aspidistra elatior*	Cast Iron Plant				1 gal.	12" o.c.	Full
15	ea	*Crytomium falcatum*	Holly Fern				1 gal.	18" o.c.	Full
3,210	sy	*Zoysia 'Z–52'*	Meyer Z–52 Zoysia Sod						
45	sf	*Ophiopogon japonicum 'Nana'*	Dwarf Mondo Grass				4" pots	6" o.c.	Full; plants shall be spaced 2" apart between stones
1,205	ea	*Trachelospermum asiaticum*	Asiatic Jasmine				1 gal.	18" o.c.	Full

12 L2.02 Plant Schedule

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STATE OF ALABAMA
NIMROD W. LONG, JR.
NUMBER 204
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Landscape Details

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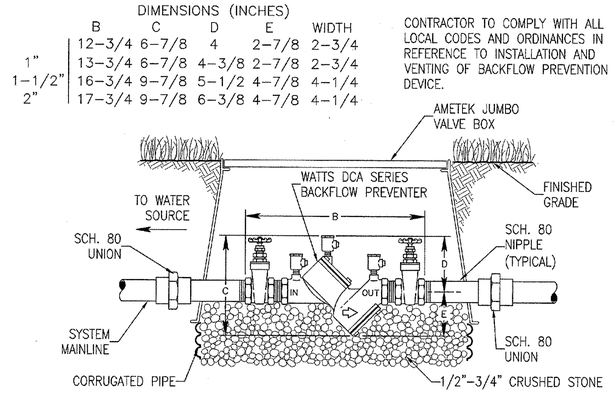
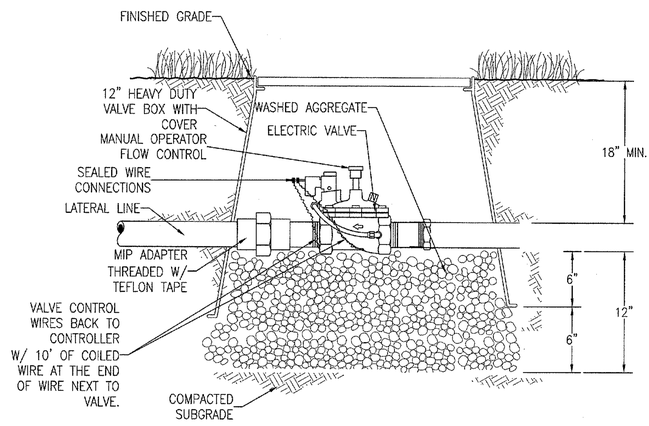


1 L2.03 **Backflow Preventer Detail**
Scale: NTS



2 L2.03 **Circuit Control Mounting Detail**
Scale: NTS

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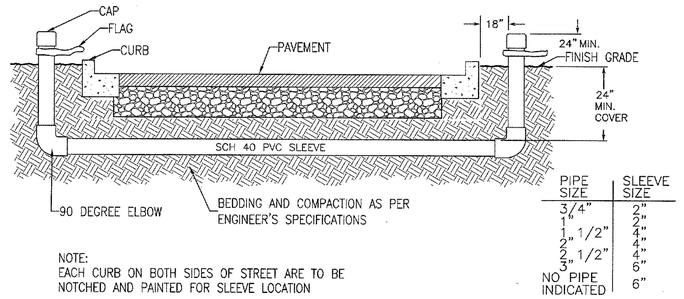
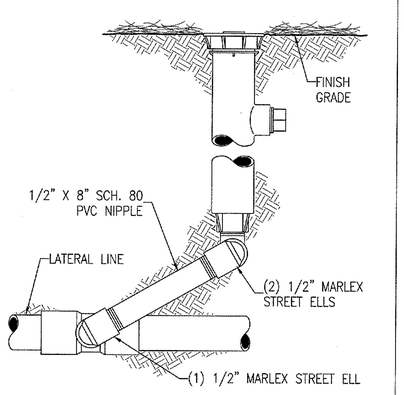
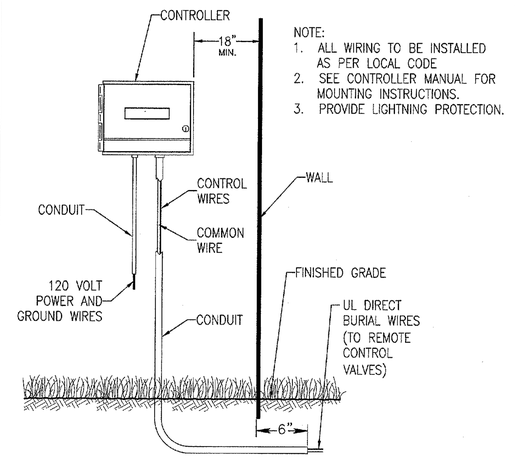


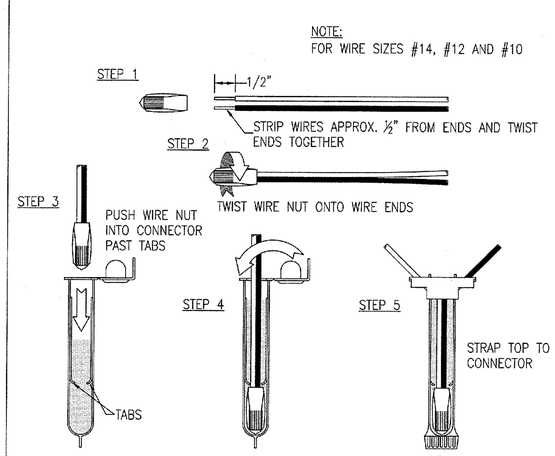
3 L2.03 **Typical Sleeving Detail**
Scale: NTS



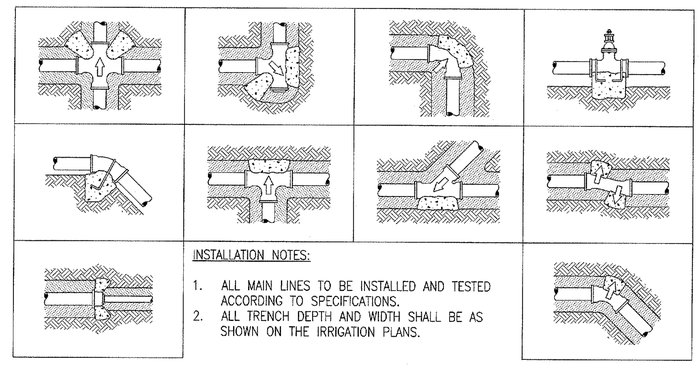
4 L2.03 **Pop Up Mounting Detail**
Scale: NTS



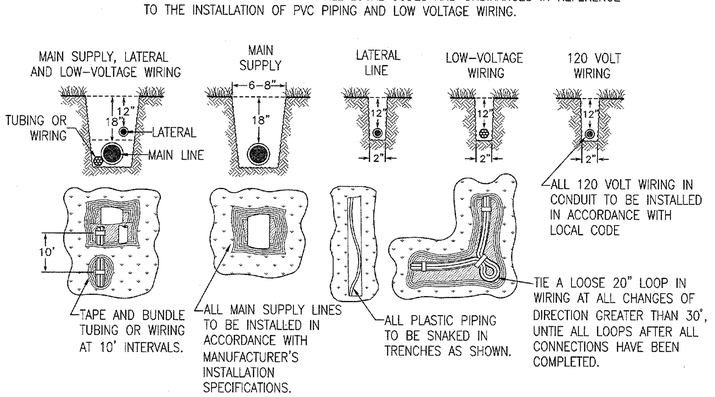
5 L2.03 **Wall Mounted Controller Detail**
Scale: NTS



6 L2.03 **Wire Connection 3M-DBY Detail**
Scale: NTS



7 L2.03 **Thrust Block Detail**
Scale: NTS



8 L2.03 **Typical Trenching Detail**
Scale: NTS

1. ALL MAINLINES TO HAVE A MINIMUM OF 18" OF COVER.
2. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
3. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
4. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
5. ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
6. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
7. ALL 24 VOLT WIRE SHALL BE #12 UF/UL FOR COMMON WIRE, AND #14 UF/UL FOR CONTROL WIRES, DIRECT BURIAL, SOLID COPPER.
8. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES).
9. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR AND WHERE LINES ARE BROUGHT ABOVE GRADE AND RISK OF FREEZING IS PRESENT.
10. ALL SPRINKLERS TO BE MOUNTED ON 12" FUNNY PIPE OR SWING JOINTS.
11. CONTRACTOR SHALL INSTALL A SEPARATE COMMON FOR EACH CONTROLLER.
12. 24 VOLT WIRE SHALL BE COLOR CODED; COMMON-WHITE, CONTROL-RED.
13. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH (2) 5/8" COPPER CLAD GROUND RODS.
14. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON FAULT GROUND AND LIGHTNING PROTECTION.
15. ADDITIONAL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER:
    A. TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEADS AND VALVE SUPPLIED.
    B. TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS.
    C. TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.
16. ALL IRRIGATION EQUIPMENT TO BE INSTALLED ACCORDING TO SPECIFICATIONS AND DETAILS.
17. CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
18. CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 12" FROM FOUNDATIONS. ALSO INSTALL SPRINKLERS 4" FROM CURB OR WALKS.
19. ALL MAIN AND LATERAL LINE PIPING TO BE SCHEDULE 40 PVC.
20. ADHERE TO LOCAL PLUMBING AND ELECTRICAL REQUIREMENTS.
21. SPRAY HEADS IN LAWN AREAS WILL BE 4" POP-UP HEIGHT, SPRAY HEADS IN SHRUB AREAS WILL BE 12" POP-UP HEIGHT.
22. ALL SOD SHALL BE ZONED SEPARATELY FROM SHRUB AND SEASONAL COLOR ZONES.
23. INSTALL ALL LINES UNDER ROADWAYS AND SIDEWALKS IN SCHEDULE 40 PVC SLEEVES, PER SLEEVING SCHEDULE.
24. SYSTEM DESIGN SHALL ALLOW ENTIRE PLANTED AREA TO BE IRRIGATED WITH 3/4" OF WATER ONCE EVERY FOUR DAYS.

9 L2.03 **Irrigation Notes**

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STATE OF ALABAMA
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Irrigation Details

SHEET NUMBER L2.03

GENERAL NOTES

-

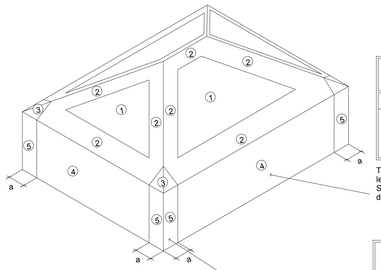
1. Any omissions or discrepancies between plans, details, and specifications shall be brought to the attention of the Architect or Engineer before bidding.
2. Structural drawings or parts of the structural drawings may not be used as shop drawings without prior written approval.
3. Contractor proposed changes to details must be clearly noted on the first sheet of all shop drawings.
4. Construction shown is stable after the building is complete including interior and exterior finishes. The Contractor is responsible for temporary bracing of the structure during construction.
5. Site visits by Engineer of Record are not considered inspections or special inspections, rather are observations for general compliance with contract documents.

-

DESIGN LOADS

-

1. Reference code for loading SEI/ASCE7 7-05.
   - a. Building Classification III
   - b. Wind Load
     - 1) Basic Wind Speed (3 sec gust) 90 mph
     - 2) Importance Factor 1.0
     - 3) Wind Exposure B
     - 4) Internal Pressure Coefficient +/- 0.55
     - 5) Velocity Pressure (qz) 14.27 psf
     - 6) Components & Cladding Pressures see table and diagram
   - c. Roof Snow Load
     - 1) Flat Roof Snow Load (Pf) 5 psf
     - 2) Snow Exposure (Ce) 1.0
     - 3) Importance Factor 1.0
     - 4) Thermal Factor (Ct) 1.0
   - d. Seismic Load
     - 1) Importance Factor 1.25
     - 2) Mapped Spectral Response Accelerations
       - a) Ss 0.414
       - b) S1 0.226
     - 3) Site Class D
     - 4) Spectral Response Coefficients
       - c) Sds 0.28
       - d) Sd1 0.15
     - 5) Seismic Design Category C
     - 6) Base Seismic-Force-Resisting System(s) and Response Modification Factor
       - 1A Ordinary steel concentrically braced frames 4
     - 7) Design Base Shear 53 kips
     - 8) Seismic Response Coefficient (Cs) 0.086
     - 9) Analysis Procedure = Equivalent Lateral Force
   - e. Live Load
     - 1) Roof Load 20 psf
     - 2) Slabs on grade 100 psf



Component and Cladding

Wind Pressure Loadings for Doors and Windows

Door Area	Wind Presure	
< 20 sq ft	16 psf	-18 psf
< 50 sq ft	15 psf	-17 psf
< 100 sq ft	15 psf	-16 psf
< 500 sq ft	13 psf	-14 psf

This chart is for use with doors and windows at least 6'-0" away from exterior building corners. Suction and pressures are noted. (Area 4 from diagram)

Component and Cladding

Wind Pressure Loadings for Doors and Windows

Door Area	Wind Presure	
< 20 sq ft	16 psf	-21 psf
< 50 sq ft	15 psf	-19 psf
< 100 sq ft	15 psf	-18 psf
< 500 sq ft	13 psf	-14 psf

This chart is for use with doors and windows within 6'-0" of the exterior building corners. Suction and pressures are noted. (Area 5 from diagram)

FOUNDATIONS

-

1. Foundation design for this project was based on soils information provided by TTL, Inc.
   Bearing value of soil:
   Continuous footings---------- 2000 psf
   Isolated spread footings---------- 2000 psf
2. All footings are to bear on undisturbed soil or engineered fill.
3. Provide 8'-0" long top steel reinforcing, same size as bottom steel, at transitions between engineered fill and undisturbed soil locations.
4. Install corner bars at all footing intersections and corners (Provide lap length e.w.)
5. Step all footings where necessary to provide a minimum of 1'-0" below the finish grade or 0'-8" below finish floor.
6. All footing elevations are given to the top of the footings.
7. Footing steps shown on the plans are furnished as a guide for estimating quantities. Final elevations are to be set in the field. Bearing elevations must be approved by a Soils Engineer before any concrete is placed.
8. Coordinate foundation elevations with plumbing requirements. Step footings as required to clear plumbing lines.

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MASONRY

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1. All masonry work to be in accordance with "Building Code Requirements for Concrete Masonry Structures" ACI 530-05 and "Specifications for Masonry Structures" ACI 530.1-05
2. Fill all concrete masonry units with concrete or grout from the top of the footing to the finish floor or to 8" above finish grade whicheveis higher.
3. Use ladder type joint reinforcement (Dur-O-Wall SW DA3100 or better) at 16" on center in all cavity walls where brick is used for one or more of the wythes.
4. Use truss type joint reinforcement (Dur-O-Wall SW DA3100 or better) at 16" o/c. in all other masonry walls.
5. Use Type "M" or Type "S" mortar in accordance with IBC Table 2103.7(1).
6. Minimum compressive strength of concrete masonry f'm = 1500 psi. Submit for review test data on strength of units before starting any masonry work.
7. Minimum compressive strength of grout f'c = 2000 psi. Use 3/8" max size aggregate. See Special Inspection Schedule for any testing requirements.
8. Use "Fine" grout for all reinforced piers and reinforced walls in accordance with ASTM C 476.
9. Each grout lift shall not exceed 5'-0" unless cleanouts are provided in the bottom course.
10. Fill cells under all lintels with grout.
11. Unless otherwise noted provide control joints in all walls 4'-0" from wall intersections or corners and at 20'-0" o.c.
12. Provide continuous bond beam at 8'-0" o.c. vertical spacing TYP
13. Extend all horizontal steel and bond beams thru control joints.
14. Vertical Reinforcement shall extend into the bond beam.
15. Unless noted, all bars are to be located at the center of cell. Where bars are specified at each face, provide minimum 3/4" clear space between reinforcement and CMU face shell.
16. Anchor bolt into grouted cell locations only, unless noted otherwise.
17. Anchor all steel columns to CMU walls @ 24" o.c. vertically into reinforced cell. See typical detail.

-

REINFORCING STEEL AND CONCRETE

-

1. All concrete work is to be in accordance with the "Building Code Requirements for Reinforced Concrete" (ACI 318-05).
2. All detailing is to be in accordance with "ACI Detailing Manual" SP-66
3. Concrete Properties: See Schedule
   a. All concrete must obtain 7 day strength of 70% of design strength.
   b. Concrete mixes may use up to 25% of cementious weight as fly ash.
   c. Concrete mixes may use water reducers, accelerators or retarders with prior approval.
4. All steel reinforcement shall be of deformed bars of billet steel conforming to ASTM A615, Grade 60 in all concrete.
5. Welded wire fabric shall be ASTM 185 and shall lap 2 cross wires or 6" whichever is greater on all sides. All laps shall be wired together.
6. Provide (2) #4 bars x 4'-0" at re-entrant corner locations Typical. Locate 3" away from corner and space 1'-0" apart.
7. All slabs on grade are 4", unless noted. Slabs are to be placed on 10 Mil, PVC vapor barrier over 4" of porous fill. Reinforce slabs with 6x6 W1.4 x W1.4 WWF placed 1" from top of slab. Unless otherwise noted slabs shall have joints placed a 12'-0" on centers. Joints may be control joints or construction joints. See Architectural Plans for floor slopes and recesses for hard tile.
8. Minimum concrete cover for reinforcement:
   a) Footings 3"
   b) Cast-In-Place Walls
   Surfaces exposed to weather or soil 2" - #6 and greater, 1-1/2" - #5 and smaller
   Other surfaces 3/4"
9. Provide corner bars at all wall and footing intersections.
10. Contractor shall include an allowance of 1 ton of reinforcing steel in place in addition to the steel shown on the contrdocuments in the base bid. This steel is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused steel will be credited to the Owner.

-

EPOXY AND MECHANICAL ANCHORS

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1. All anchors shall be installed per manufacturer's instructions.
2. Contractor must get pre-approval from engineer-of-record before using post-installed epoxy or mechanical anchors not detailed in these drawings.
3. All epoxy to be RedHead EPCON C6 Fast Curing Epoxy or approved equal
4. All mechanical anchors to be Simpson TITEN HD Screw Anchors or approved equal.

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STRUCTURAL STEEL

-

1. All detailing, fabricating, and erection of structural steel shall be in accordance with the AISC 360-05 "Specifications for StructiSteel Buildings". All reactions shown are ASD loads.
2. All connections are to be detailed as Type 2 "simple frame connections".
3. All structural steel W shapes shall be ASTM A992.
4. All structural steel Tube sections shall be ASTM A500 Grade B.
5. All structural steel Pipe sections shall be ASTM A501.
6. All structural steel channels, angles and other sections shall be ASTM A36, unless noted.
7. Headed Studs shall be Type B Shear Connectors.
8. Shop and field connections shall be welded with E-70XX electrodes or bolted with 3/4" dia. A-325N or A-325X bolts, unless noted.
9. Use 3/4" cap and bearing plates, unless noted.
10. Use 3/4" dia x 1'-0" long ASTM 1554 Grade 36 anchor bolts, unless noted. In lieu of cast bolts, 3/4"x1'-0" long HAS rods epoxied with Hilti HVA epoxy, or equal, may be used with prior approval.
11. Provide L 3"x3"x1/4" frames around all roof openings through metal decking.
12. All steel exposed to weather shall be hot dipped galvanized per ASTM A123.
13. Contractor shall include an allowance of 1.5 tons of structural steel in place in addition to the steel shown on the con'documents in the base bid. This steel is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused steel will be credited to the Owner.
14. Contractor shall include an allowance of 300 lineal feet of L 3"x3"x1/4" angle in place in addition to the steel shown on the contract documents in the base bid.
15. Stairs, handrails, guardrails and other miscellaneous steel items not specifically detailed on these drawings are the responsibility of the contractor. Contractor must furnish design calculations sealed by a Professional Engineer where required by jurisdiction.

-

STEEL JOIST

-

1. All steel joists shall conform to the standard specifications for the joist noted, as adopted by the Steel Joist Institute.
2. Joist designation Joist depth/Series/Total Load/Live Load.
3. Unless otherwise noted design all joist for an uplift load of 20psf.
4. Do not camber joist placed on roof slopes of greater than 2:12.
5. Joist supplier has the option of combining joist sizes to a larger section.
6. Extend bottom chord of joist and attach to plate welded to the column at each column.
7. K Series joists shall be welded to bearing plates or steel members with two 1/8" fillet welds 1" long.
8. Design cantilever ends of joist and joist outriggers for a uniform load of 50 psf and concentrated load on the end of section of 5(unless otherwise noted).

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METAL STUDS (Structural)

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1. All detailing, fabricating, and erection of light gauge steel shall be in accordance with the AISI General-04 "Standard for Cold Formed Framing".
2. All studs, joist, tracks, bridging, and accessories shall be a minimum of G60 galvanized and have minimum yield strength of 33ksi, unoted otherwise.
3. Top and bottom tracks to be same gauge as studs unless noted otherwise.
4. Provide double studs at all wall intersections, jambs, corners, and intersections.
5. At all openings in walls provide additional studs each side of opening to replace members cut at the opening.
6. Provide (2) 8"x14ga unpunched headers at all openings, unless noted otherwise on structural drawings.
7. Provide blocking or strapping at a maximum of 4'-0", see typical detail.
8. All wall studs to have full bearing at top and bottom of stud.
9. Limit deflection of studs supporting brick to H/600.
10. Use a minimum of 18 gage for studs used with brick anchors.
11. Limit deflection of all studs not supporting brick to H/360.
12. Limit roof truss live load deflections to L/360.
13. Provide minimum of 6" x18 gauge structural stud top and bottom chord for all truss members.
14. Truss supplier will provide anchorage hardware unless noted otherwise on structural drawings.
15. See sheet S0.2 for roof deck attachment schedule.
16. Furnish design calculations sealed by a Professional Engineer licensed in the State of Alabama for all truss members.

-

TESTING

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1. All testing is to be completed under the supervision of the structural engineer.
2. The owner will provide testing and special inspection under a separate contract. See sheet S0.1 or project specifications for scheofle special inspections.

CONCRETE SCHEDULE

Concrete Use	Design Strength	Max W/C Ratio	Slump Limits	Entrained Air Range	Weight	Notes
Footings	3000 psi	n/a	3" to 5"	3% to 5%	150 pcf	-
Slabs on Grade	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR

Structural Column Foundation Schedule

Mark	Width	Length	Thickness	Reinforcing	Estimated Number Required
F36	3' - 0"	3' - 0"	1'- 0"	(4) #4 bars e.w.	68
F48	4' - 0"	4' - 0"	1' - 0"	(6) #4 bars e.w.	20
F48 2	4' - 0"	4' - 0"	1' - 5"	(6) #4 bars e.w.	2
F60	5' - 0"	5' - 0"	1' - 3"	(5) #5 bars e.w.	10
F84	7' - 0"	7' - 0"	1' - 5"	(6) #6 bars e.w.	4

Structural Wall Foundation Schedule

Type	Width	Thickness	Reinforcing	Estimate of Length
W24	2' - 0"	1' - 0"	3 #4 con't / #4 @ 36" transverse	1134'
W36	3' - 0"	1' - 0"	5 #4 con't / #4 @ 12" transverse	221'

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02/24/12

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New Sanctury

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

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General Notes

SHEET NUMBER S0.0

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SCHEDULE OF SPECIAL INSPECTIONS

Item	Inspection / Test / Certification	C or P	Extent / Comments	Agent
1000.00	**General Conditions**			
1000.01	Review of Structural Documents and Shop Drawings to determine differences not approved by Architect or Engineer of Record	Continuous	Structural Documents should take precedence over any shop drawings. Special Inspector should use the Architectural and Structural Documents as the primary documents for review of construction. Shop drawing should be used as secondary document to review details not shown on the Architectural and Structural Documents. Any discrepancy between the two documents should be resolved by the Architect or Engineer of Record before proceeding with construction.	1
1000.02	The Special Inspector duties for missing details, conflicting details or coordination issues.	Continuous	Reasonable attempts have been made on the part of the design team to properly coordinate drawings. However in the event that a question arises on the project the Special Inspector shall obtain clarification from the Architect on all items. No changes shall be made to the drawings or construction without written conformation.	1
1400.00	**Fabricators**			
1400.01	Review the quality control procedures of the following fabricators for completeness and adequacy relative to the fabricator's scope of work: steel fabricator and lightgage truss fabricator.	Periodic		1
1400.02	The following fabricators, if registered and approved by the building official, may submit "Certificates of Compliance" at the completion of their scope of work that their fabricated items were constructed in accordance with the approved construction documents: steel fabricator and lightgage truss fabricator. Fabricators having successfully completed no fewer than 5 similar projects may also submit for approval with documentation of similar projects.	Periodic		1
2300.00	**Soils and Deep Foundations**			
2300.01	Verify bearing capacities of soils beneath footings.	Periodic	As recommended in approved soils report and specified in earthwork specifications.	2
2300.02	Verify site preparation prior to beginning fill placement. Verify fill material type, placement method, lift thickness, and compaction of fill material. Verify in-place density of compacted fill.	Periodic	As recommended in approved soils report and specified in earthwork specifications.	2
3300.00	**Concrete Construction**			
3300.01	Inspect reinforcing steel for installation including size, spacing and bar clearances. Verify that lap splices and embedment lengths are per the construction documents. Verify that dowels for work above are properly aligned and spaced to match other work.	Periodic	Prior to each pour.	1
3300.02	Inspect bolts	Periodic		1
3300.03	Inspect bolts to be installed in concrete prior to and during placement of concrete.	Continuous	During placement and concreting operations.	1
3300.04	Verify each proposed concrete mix for the project.	Periodic	For each proposed mix.	1
3300.05	Sample all concrete for strength tests and test concrete for slump, air content, temperature, and other tests.	Continuous	During placement operations. Reference concrete specifications for specific tests and frequencies.	2
3300.06	Inspect all concrete curing operations as noted in the extents column.	Periodic	Monitor during hot, cold and windy conditions. Reference concrete specifications.	1
4810.00	**Masonry Construction**			
4810.10	Inspect proportions of site prepared mortar and grout. Inspect construction of mortar joints. Inspect reinforcement for correct size and spacing. Inspect work for correct location and type of embeds and anchor bolts. Inspect work for size and location of structural elements.	Periodic	At beginning of masonry construction and every 400 square feet of masonry thereafter.	1
4810.11	Inspect masonry cells and cleanouts prior to placement of grout. Inspect grout proportions. Inspect placement of reinforcement.	Periodic	Prior to grouting of masonry.	1
4810.12	Inspect grouting operations to ensure compliance with code and construction documents.	Continuous	During grouting.	1
4810.13	Inspect type size and location of anchors, including details of anchorage of masonry to structural members, frames or other construction.	Continuous	During installation of anchors.	1
4810.14	Inspect protection of masonry during cold weather and hot weather.	Periodic	During periods with temperatures below 40 degrees or above 90 degrees.	1
4810.15	Inspect preparation of grout specimens, mortar specimens and / or prisms.	Continuous	During preparation of all specimens.	1
4810.16	Verify compliance with all required inspection provisions of the construction documents and approved submittals.	Periodic	As required for duration of project.	1

5120.00	**Steel Construction**			
5120.10	Inspect high-strength bolts, nuts and washers: a. Identify markings to conform to ASTM standards specified in the construction documents. b. Inspect manufacturer's certificate of compliance.	Periodic	Reference project specifications and ASTM material specifications; AISC 335, (Sect A3.4); AISC LRFD (Sect A3.3).	1
5120.11	Inspect high-strength bolting: Bearing-type connections.	Periodic		1
5120.13	Inspect and verify structural steel material: a. Identification markings to conform to ASTM standards specified in the approved construction documents. b. Manufacturers' certified mill test reports.	Periodic	Confirm that materials meet applicable ASTM specifications noted in construction documents.	1
5120.14	Inspect and verify weld filler materials: a. Identification markings to conform to AWS specification in the approved construction documents. b. Manufacturer's certificate of compliance required.	Periodic	Confirm that materials meet applicable ASTM specifications noted in construction documents.	1
5120.15	Inspect welding: Structural Steel: 1) Complete and partial penetration groove 2) Multipass fillet welds. 3) Single-pass fillet welds > 5/16 ″	Continuous	Per specifications and AWS D1.1	1
5120.16	Inspect welding: Structural Steel: 1) Single-pass fillet welds ≤ 5/16 ″ 2) Floor and deck welds.	Periodic	Per specifications and AWS D1.1	1
5120.17	6. Inspect steel frame joint details for compliance with approved construction documents: a. Details such as bracing and stiffening. b. Member locations. c. Application of joint details at each connection.	Periodic	Inspect complete frame.	1
5310.00	**Metal Deck**			
5310.01	Verify depth and gauge of all deck elements	Periodic		1
5310.02	Verify adequate bearing of ends of decking	Periodic		1
5310.03	Verify deck support angles are provided for all opening greater than 100 square inches.	Periodic		1
9000.00	**Special Inspections for Seismic Resistance**			
9000.10	Certificates of compliance used in masonry construction		Prior to construction.	1
9000.11	Verify masonry f'm.		Prior to construction.	1
9000.12	Test masonry f'm.	Periodic	Test for each 5000 sf of masonry.	1
9000.13	Verification of proportions of materials in mortar and grout as delivered to the site	Periodic		1
9000.14	Review certified mill test reports of all concrete reinforcing.			1
9000.15	Visual observation of structural system by registered design professional for general conformance to approved construction documents (including addenda and approved changes) at significant stages and at completion.	Periodic		3
INSPECTION AGENTS				
#	Firm, Address, Telephone			
1	**Special Inspector**			**1**
2	**Geotechnical Consultant**			**2**
3	**Structural Engineer of Record**			**3**

Note: The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Inspection Agent(s) may be subject to the approval of the Building Official.

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New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

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Special Inspections

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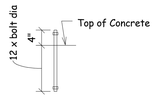
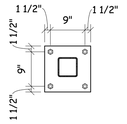


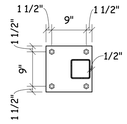
Headed Anchor Bolt

Typical Anchor Bolt Detail

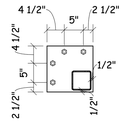
Notes:
As an alternate contractor may use epoxy anchor bolts or Simpson Titen HD anchors.



HSS BPL-1
3/4" plate (4)-3/4"dia bolts



HSS BPL-2
3/4" plate (4)-3/4"dia bolts



HSS BPL-3
3/4" plate (4)-3/4"dia bolts

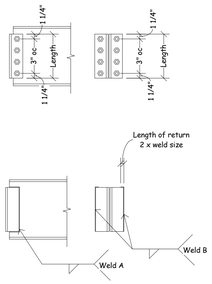
Frame Connection Schedule

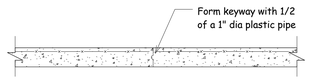
Length	# of bolts	End reaction	Min angle thickness
5-1/2"	2	37.1k	5/16"
8-1/2"	3	55.3k	5/16"
11-1/2"	4	72.7k	5/16"
14-1/2"	5	88.7k	5/16"
17-1/2"	6	104.0k	5/16"

Length	Size of Weld A	End reaction	Min angle thickness
5-1/2"	3/16"	37.1k	5/16"
8-1/2"	3/16"	55.3k	5/16"
11-1/2"	3/16"	72.7k	5/16"
14-1/2"	3/16"	88.7k	5/16"
17-1/2"	3/16"	104.0k	5/16"

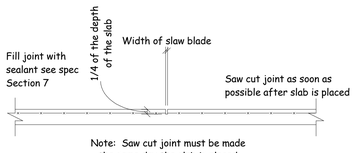
Length	Size of Weld B	End reaction	Min angle thickness
5-1/2"	1/4"	14.6k	5/16"
8-1/2"	1/4"	32.2k	5/16"
11-1/2"	1/4"	53.4k	5/16"
14-1/2"	1/4"	76.6k	5/16"
17-1/2"	1/4"	101.0k	5/16"

Depth of beam	Min length of angle	Depth of beam	Min Length of angle
W12	5-1/2"	W24	11-1/2"
W14	5-1/2"	W27	11-1/2"
W16	5-1/2"	W30	14-1/2"
W18	8-1/2"	W33	14-1/2"
W21	8-1/2"	W36	17-1/2"



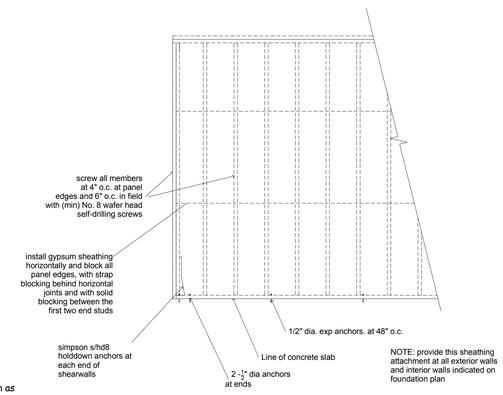


Typical Construction Joint



Note: Saw cut joint must be made
the same day the slab is placed

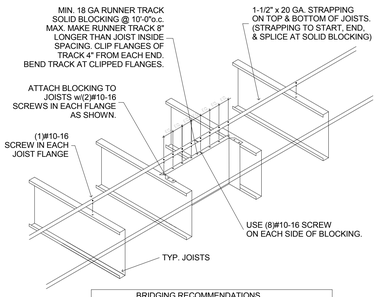
Typical Control Joint



Typical Gypsum Shear Wall Panel Construction

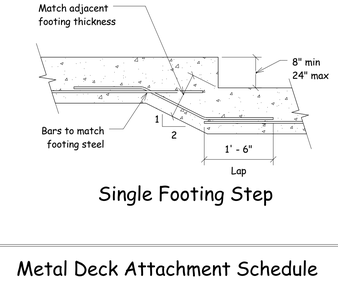
BLOCKING NOTE:
PLACE SOLID BLOCKING AT ENDS OF FRAMING SYSTEM, ADJACENT TO ALL OPENINGS, AND AT 10'-0"o.c. MAX.

STRAP NOTE:
TOP STRAP NOT REQ'D. IF CONTINUOUSLY ATTACHED RIGID SHEATHING IS USED. TEMPORARY BRACING OF TOP FLANGE DURING CONSTRUCTION MAY BE REQ'D.

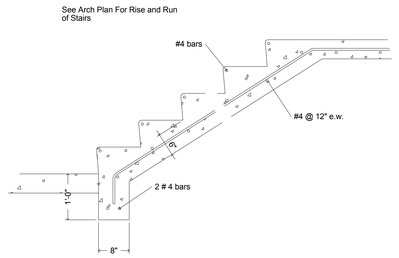


BRIDGING RECOMMENDATIONS	
SPANS	ROWS REQUIRED
UP TO 14'	ONE ROW @ MID-SPAN
14' TO 20'	TWO ROWS @ THIRD POINTS
20' TO 28'	THREE ROWS @ QUARTER POINTS

Typical Joist/Rafter Bridging



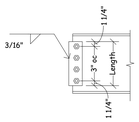
Single Footing Step



Stairs On Grade

Shear Plate Connection Schedule

Length	# of bolts	End reaction	Min plate thickness
6"	2	8.2k	1/4"
9"	3	16.3k	1/4"
12"	4	26.1k	1/4"
15"	5	36.3k	1/4"
18"	6	46.3k	1/4"
21"	7	56.4k	1/4"

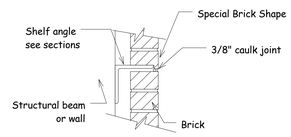


Metal Deck Attachment Schedule

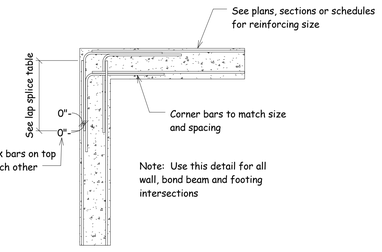
Area	Deck	Support Fastener/Pattern	Sidelap Fastener/Pattern
Steel Joist Roof	0.6C x 22ga	#12 TEK screws 30/4	1 - #10 TEK screws

Brick Lintel Schedule

Span	Lintel Size	Bearing Each End
<= 4'-0"	L 3 1/2"x 3 1/2"x 5/16"	8"
<= 6'-0"	L 4"x3 1/2"x5/16"	8"
<= 8'-0"	L 5"x3 1/2"x5/16"	8"
<= 10'-0"	L 6"x3 1/2"x5/16"	8"
<= 12'-0"	L 7"x4"x3/8"	16"
<= 14'-0"	L 8"x4"x7/16"	16"



Brick Shelf Angle Detail

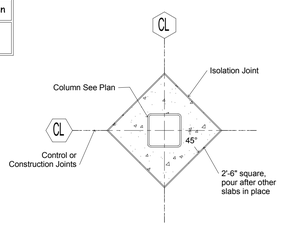


Typical Beam, Wall or Footing Reinforcing at Corners

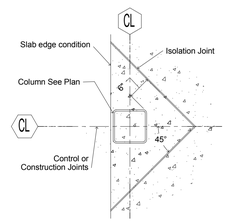
Reinforcing Steel Lap Splice Lengths

Bar Size	Column Splices	Bm, Ftg & Wall Splices		CMU Wall Splices
		Top Bars	Other Bars	
# 3	12"	19"	15"	18"
# 4	15"	25"	19"	24"
# 5	19"	31"	24"	30"
# 6	23"	37"	29"	36"
# 7	26"	54"	42"	42"
# 8	30"	62"	48"	48"
# 9	34"	70"	54"	54"
# 10	38"	79"	61"	60"
# 11	42"	87"	67"	66"

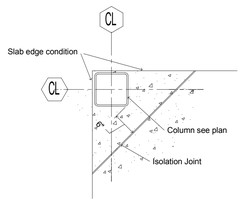
Notes:
1. Top bars are any horizontal reinforcing steel that has another layer of steel more than 2" below the bars or reinforcing steel that has more than 12" of concrete below the bars.
2. All horizontal reinforcing bars in walls may be detailed as "Other Bars".
3. All corner bars may be detailed as "Other Bars".



Interior Detail

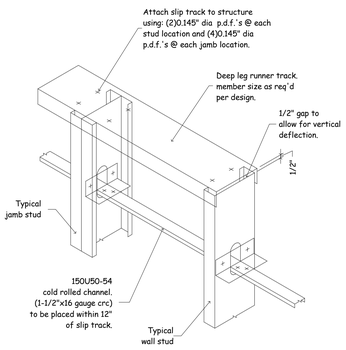


Edge Detail

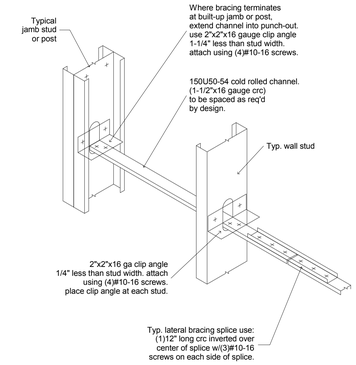


Corner Detail

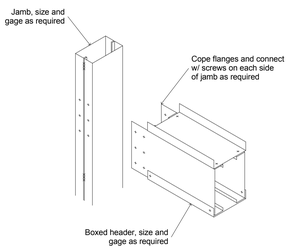
Typical Isolation Joint



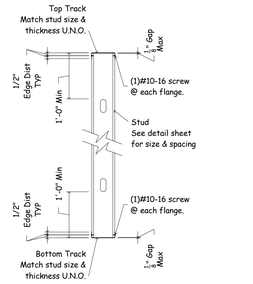
Typical Slip Track Connection



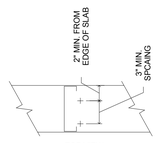
Typical Rigid Lateral Blocking



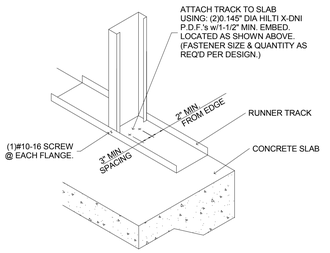
Typical Header Connection



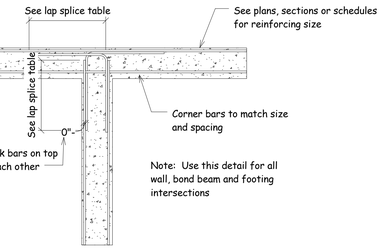
Typical Stud to Track Connection



TOP VIEW



TYPICAL STUD TO SLAB CONNECTION



Typical Beam, Wall or Footing Reinforcing at Intersetions

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New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

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Typical Details

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see typical gypsum shearwall panel detail, Sheet S0.2, provide 12" thickened slab with 3 #4 bars continuous

W24 footing, typ uno

HSS6X6X3/8 typ uno

provide recess in slab for brick pavers, see arch. dwgs.

4" slab on grade, with 6x6 W1.4xW1.4 wwf, provide construction or control joints at 12' o.c. (max) each way, see sheet S0.2 for joint details

see typical gypsum shearwall panel detail Sheet S0.2

see typical gypsum shearwall panel detail, Sheet S0.2, provide 12" thickened slab with 3 #4 bars continuous

provide (2) #4 bars x 4'-0" long at all reentrant corners, see concrete note 6 on sheet S0.0

Concrete Slab on Grade (4") Sanctuary

note: refer to arch. dwgs. for edge of wall/slab profile conditions

coordinate slab slopes with architectural drawings

coordinate edge of slab details at doors with arch. dwgs. (see section 19/A5.2)

Foundation Plan

1/8" = 1'-0"

Sheet Notes:

1. See Sheet No S0.0, S0.1, S0.2 for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0"
3. See plan for top of footing elevations. Verify all elevations w/ Civil drawings.
4. Top of all interior footings elevation (-) 0'-8" unless noted.
5. $ indicates footing steps.

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Foundation Plan

SHEET NUMBER S1.0

2/24/2012 10:41:21 AM

Truss Notes:
1. Furnish design calculations sealed by a professional engineer licensed in the state of Alabama for all truss members.
2. Truss manufacturer shall specify all truss to truss and truss to wall connections and not contain mention of "by others" in relation to connection design.
3. Design truss framed roof system to transfer all lateral loads into the supporting steel frame. Truss manufacturer to provide all permanent lateral bracing for the roof system.
4. Provide diaphragm blocking for transfer of 250 plf at all truss bearing ends along perimeter framing members.
5. Design trusses for top chord live load of 20 psf, top chord dead load of 10 psf, and bottom chord dead load of 10 psf.

engineered cold formed roof trusses @ 2'-0" o.c. max

2.5 VS2 members @ 2'-0" o.c. max

6", 14 gage stud rafters @ 12" o.c.

TOS elev 11'-3 1/2" (typ this canopy)

TOS elev 13'-7" (typ this canopy)

Roof Framing Plan
1/8" = 1'-0"

Sheet Notes:
1. See Sheet No S0.0, S0.1 and S0.2 for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0"
3. See plan and sections for bearing elevations.
4. Roof construction 0.6C x 22 ga. galvanized metal deck on cold formed roof trusses or bar joist. See Sheet S0.2 for Attachment details.
5. Truss manufacturer refer to truss notes on this sheet and metal stud notes on sheet S0.0.

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Roof Framing Plan

SHEET NUMBER S3.0

2/24/2012 10:41:23 AM

Truss Notes:
1. Furnish design calculations sealed by a professional engineer licensed in the state of Alabama for all truss members.
2. Truss manufacturer shall specify all truss to truss and truss to wall connections and not contain mention of "by others" in relation to connection design.
3. Design truss framed roof system to transfer all lateral loads into the supporting steel frame. Truss manufacturer to provide all permanent lateral bracing for the roof system.
4. Provide diaphragm blocking for transfer of 250 plf at all truss bearing ends along perimeter framing members.
5. Design trusses for top chord live load of 20 psf, top chord dead load of 10 psf, and bottom chord dead load of 10 psf, design catwalk areas for 10 psf dead load and 40 psf live load.

See arch. dwgs. for dimensions of catwalk platforms. Where catwalk is perpendicular to trusses, provide 30" wide box-out in truss configuration. Design trusses for additional 10 psf dead load and 40 psf live load in areas of catwalks. Provide 6" 18 gage metal studs @ 24" between trusses at catwalks and deck with 3/4" thick plywood with #10 screws @ 6" o.c.

provide L6x6x3/8 brick relief angle at beam at TOS 30'-6" (provide 3/8" stiffeners @ 24" o.c., each side of beam)

provide L6x6x3/8 brick relief angle at beam at TOS 30'-6" (provide 3/8" stiffeners @ 24" o.c., each side of beam)

High Roof Framing Plan

1/8" = 1'-0"

Sheet Notes:
1. See Sheet No S0.0, S0.1 and S0.2 for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0"
3. See plan and sections for bearing elevations.
4. Roof construction 0.6C x 22 ga. galvanized metal deck. See Sheet S0.2 for Attachment details.
5. Truss manufacturer refer to truss notes on this sheet and metal stud notes on sheet S0.0.

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High Roof Framing Plan

SHEET NUMBER S3.1

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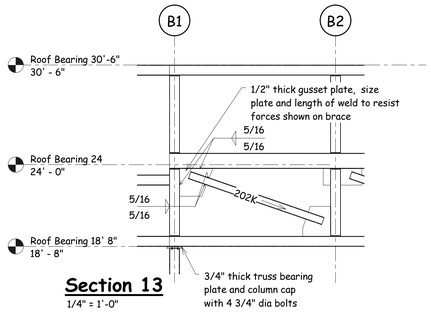
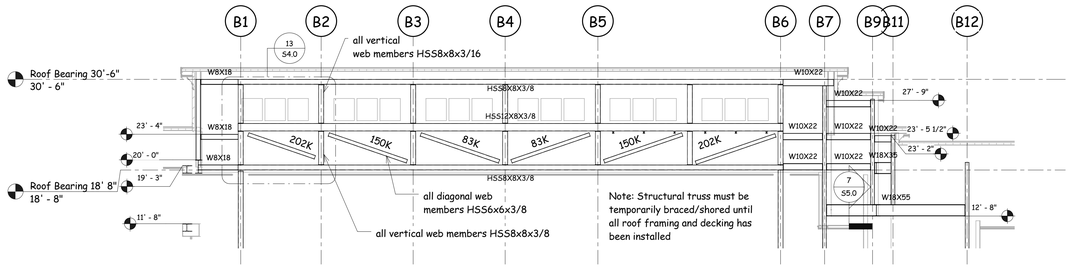
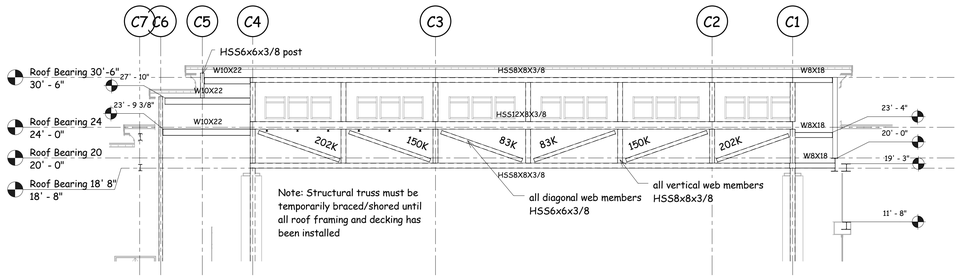


Section 13
1/4" = 1'-0"



Elevation 4 - a
1/8" = 1'-0"



Elevation 7 - a
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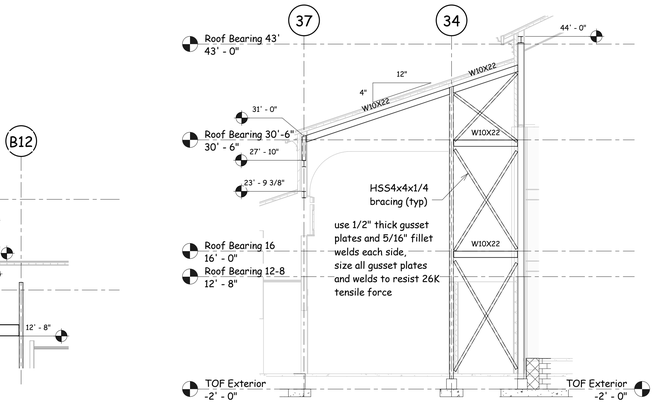
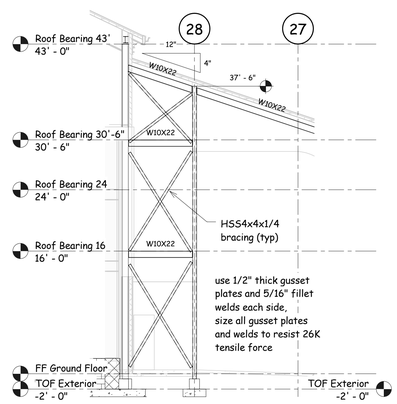
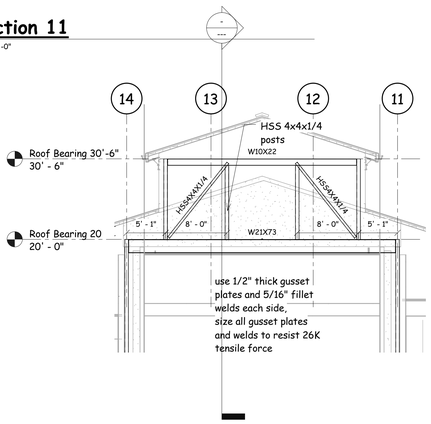
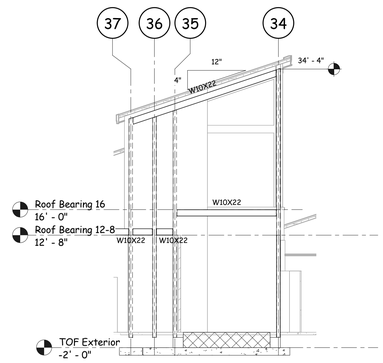
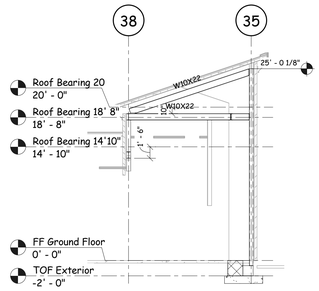




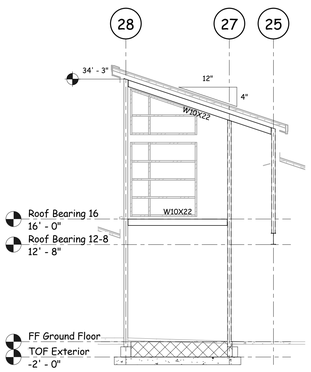
Section 11
1/8" = 1'-0"







Elevation 6 - a
1/8" = 1'-0"



Elevation 11 - a
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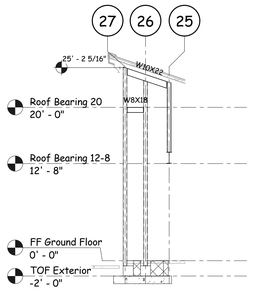

Elevation 12 - a
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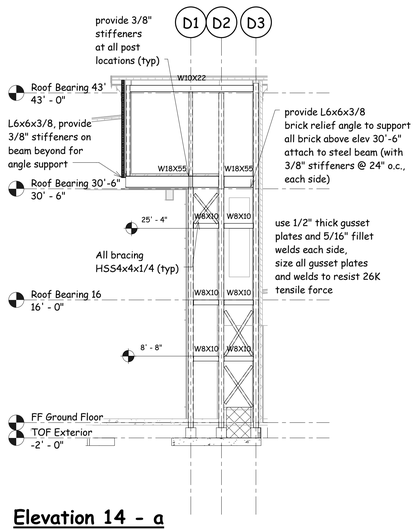
Elevation 8 - a
1/8" = 1'-0"



Elevation 14 - a
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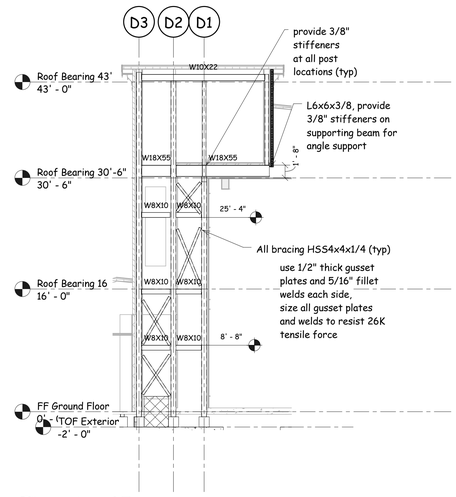
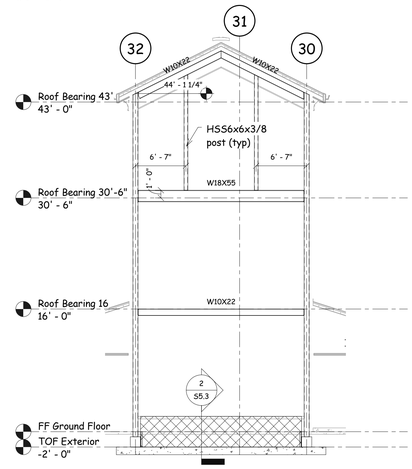
Section 6
1/8" = 1'-0"



Elevation 15 - a
1/8" = 1'-0"

Elevation 5 - a
1/8" = 1'-0"



Elevation 17 - a
1/8" = 1'-0"

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Framing Elevations

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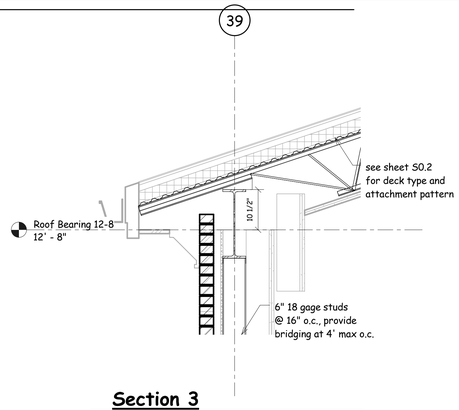
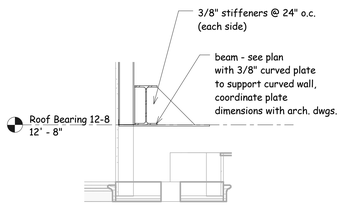
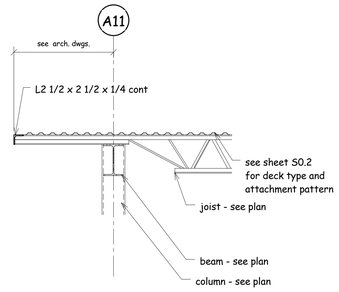


Section 3
3/4" = 1'-0"



Section 4
3/4" = 1'-0"



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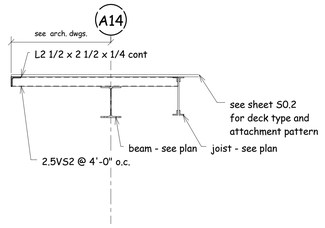
3/4" = 1'-0"



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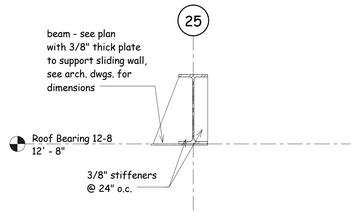
3/4" = 1'-0"



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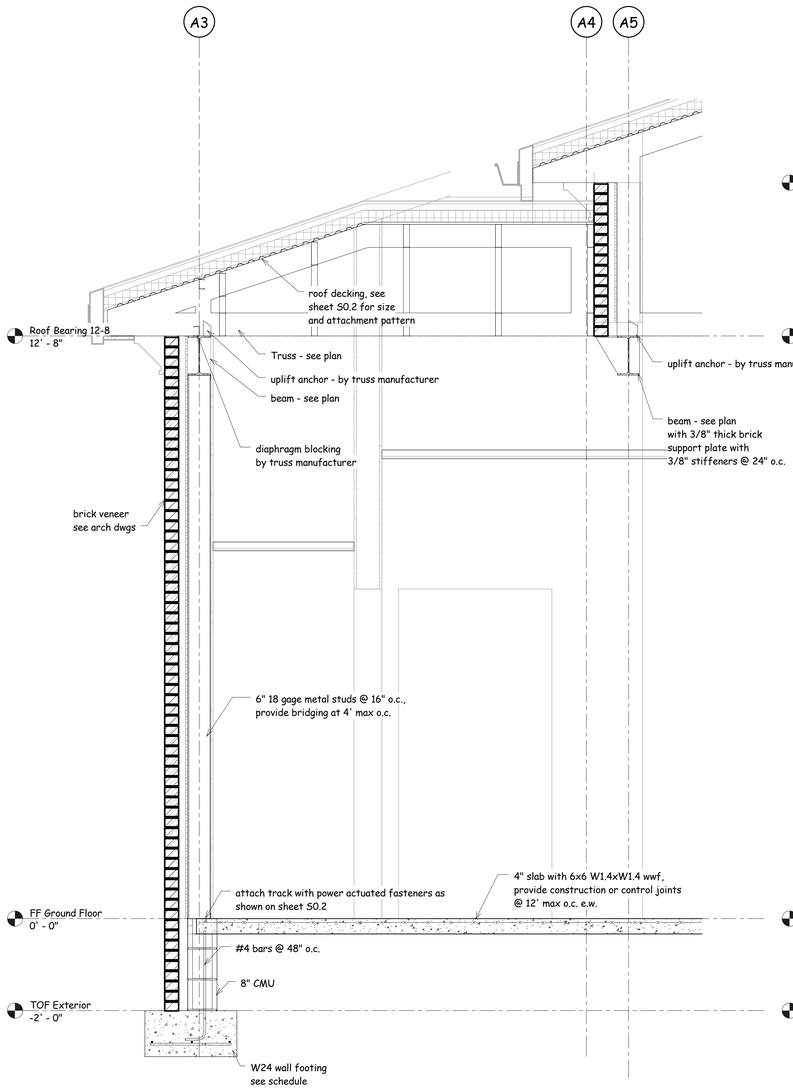
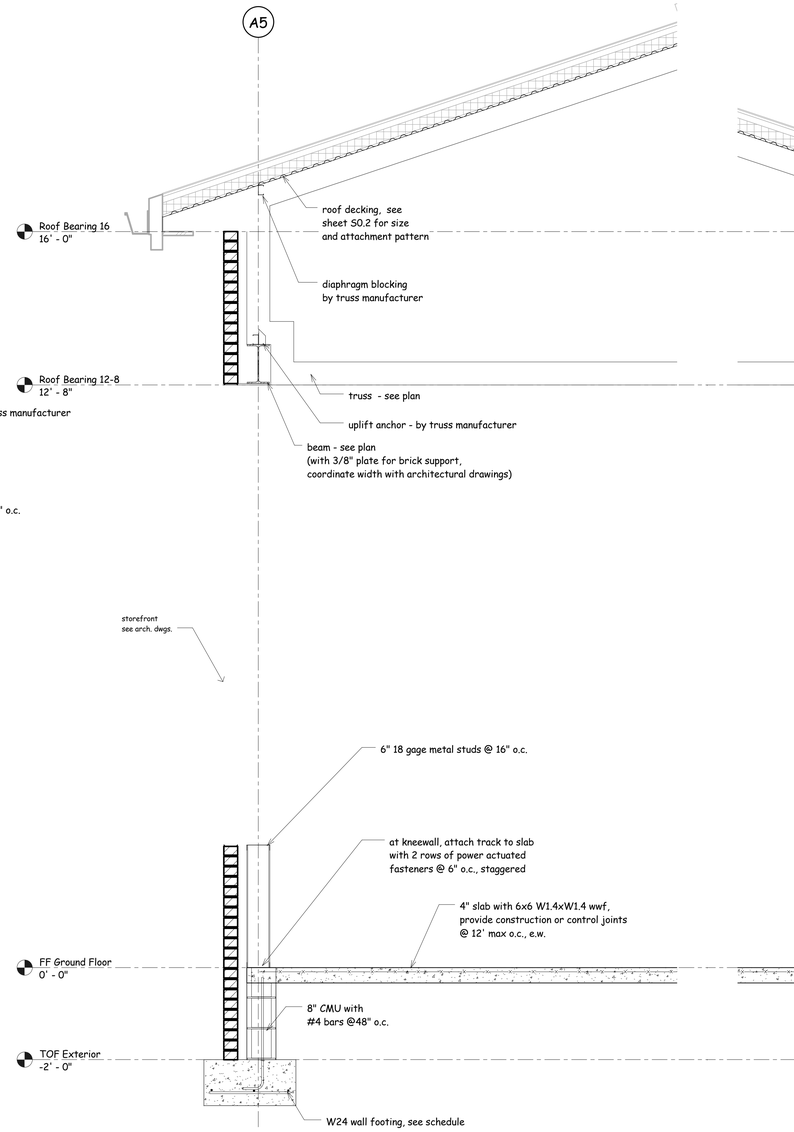


Section 1
3/4" = 1'-0"



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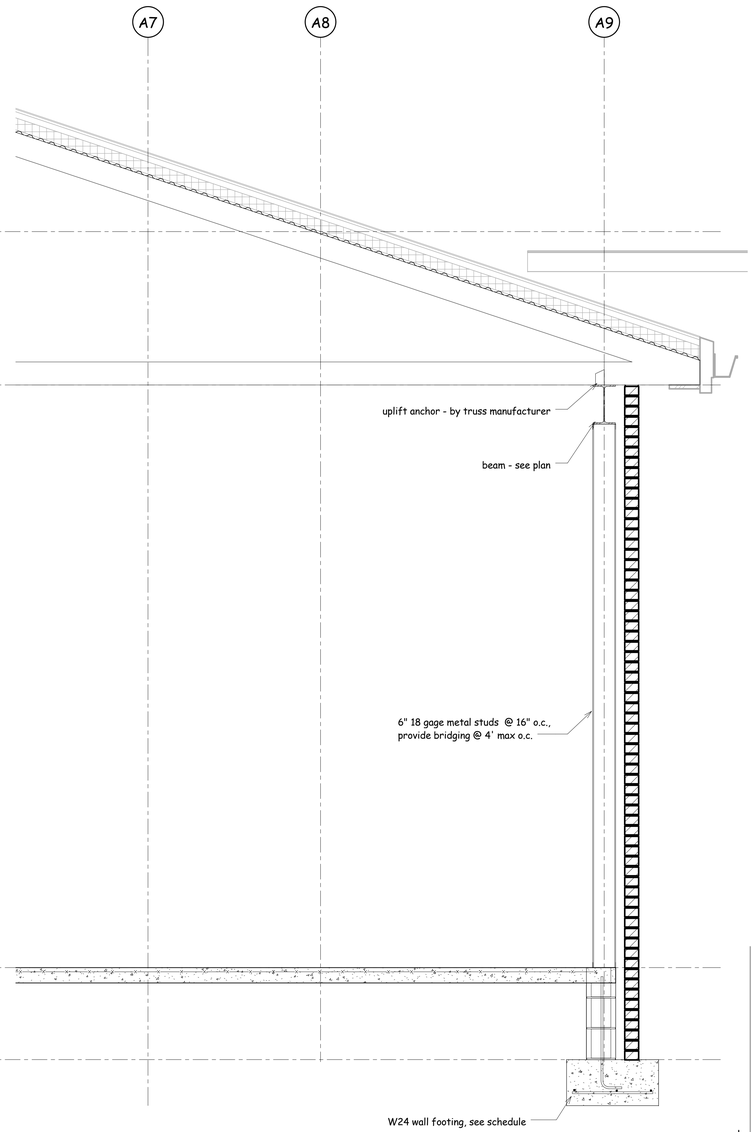
3/4" = 1'-0"



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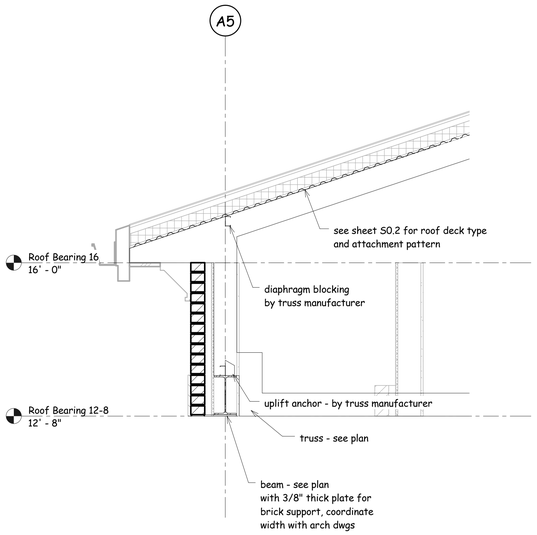
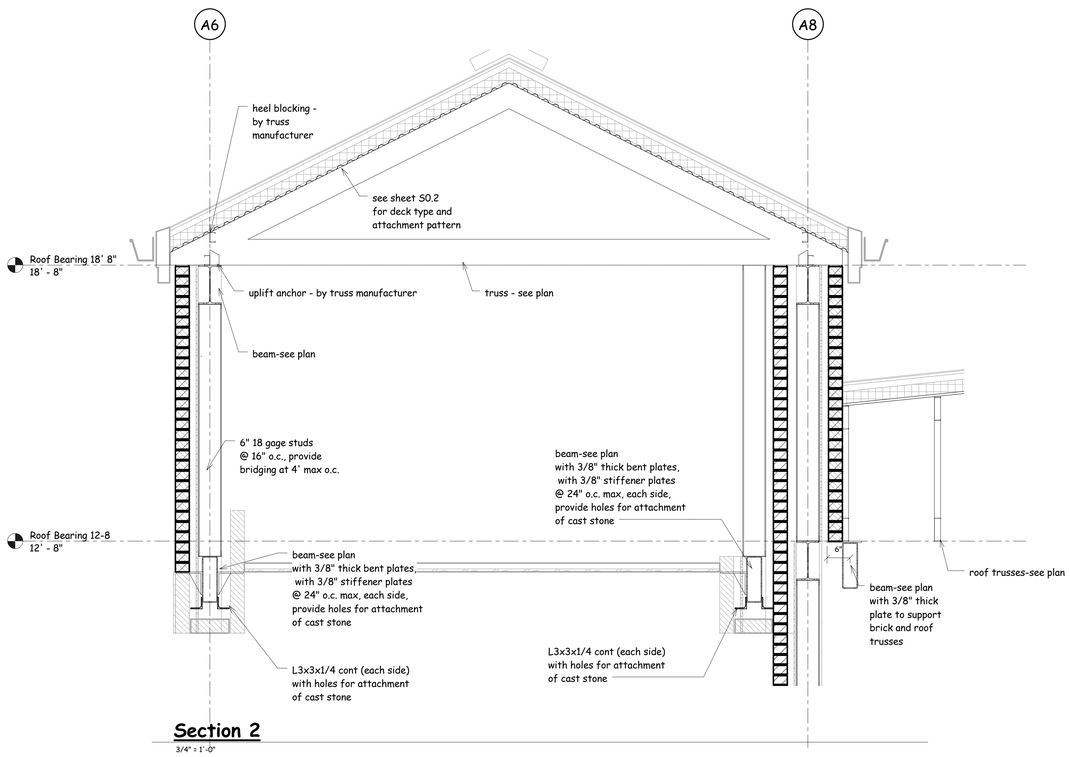


Section 1

3/4" = 1'-0"



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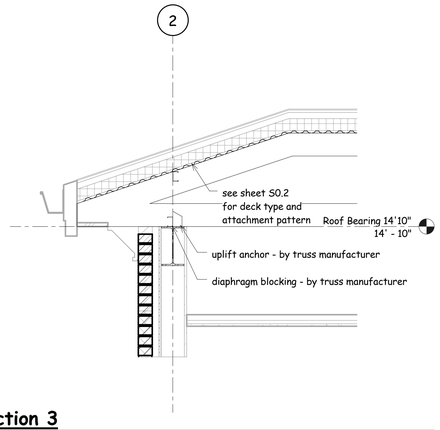
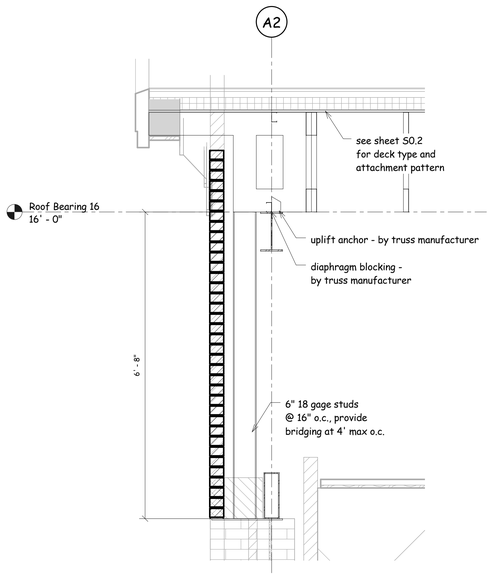


Section 3

3/4" = 1'-0"



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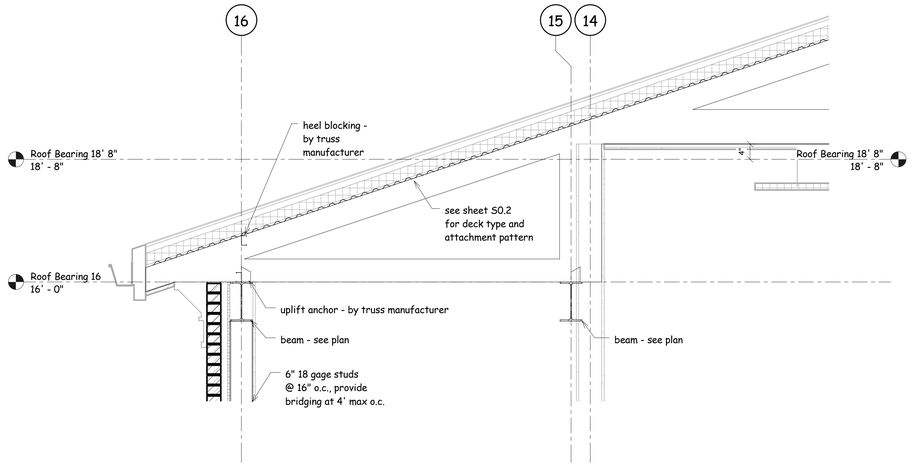
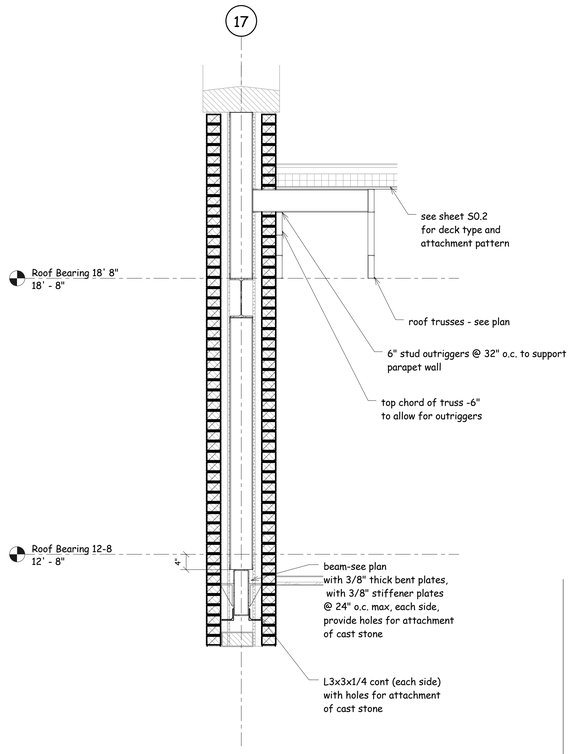
3/4" = 1'-0"



Section 5

3/4" = 1'-0"



Section 6

3/4" = 1'-0"

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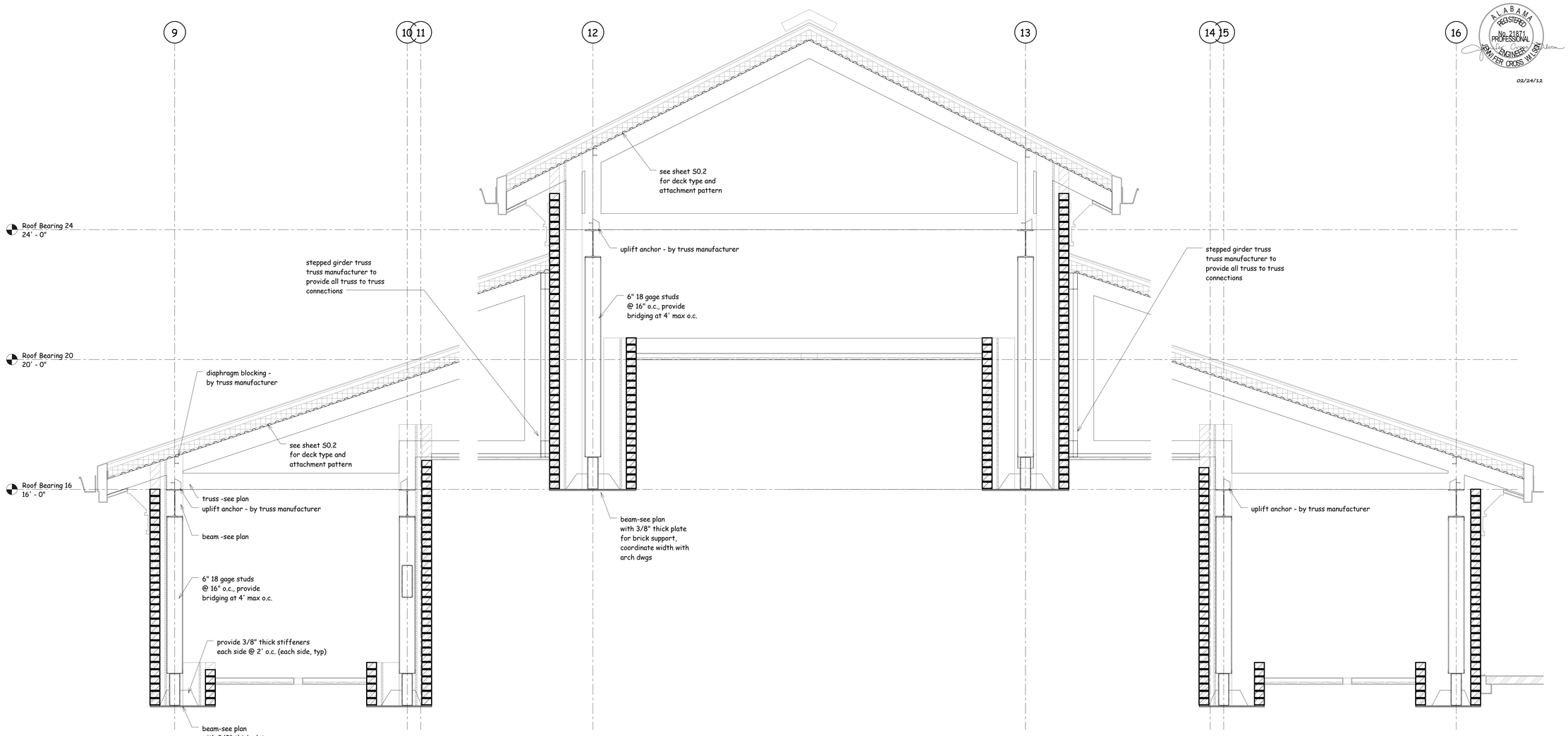
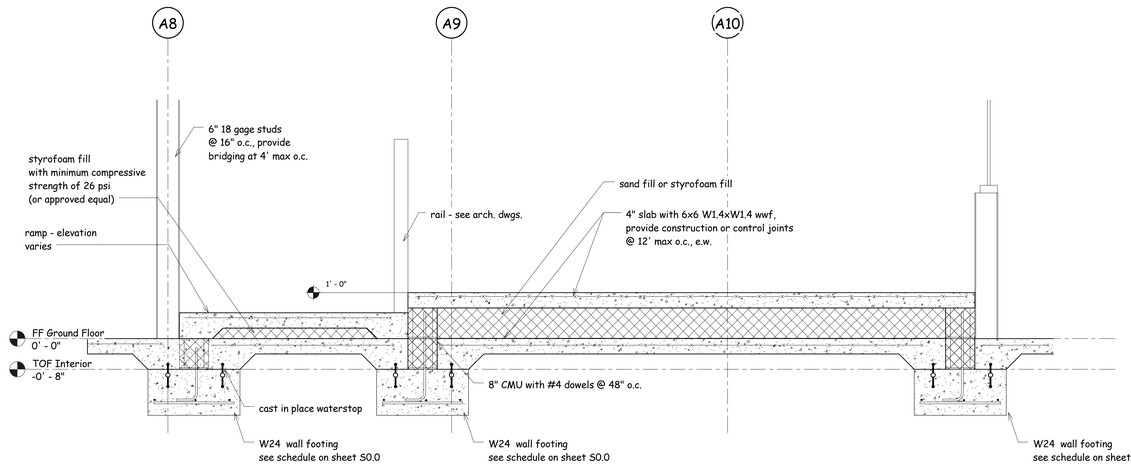


Section 1

3/4" = 1'-0"



Section 2

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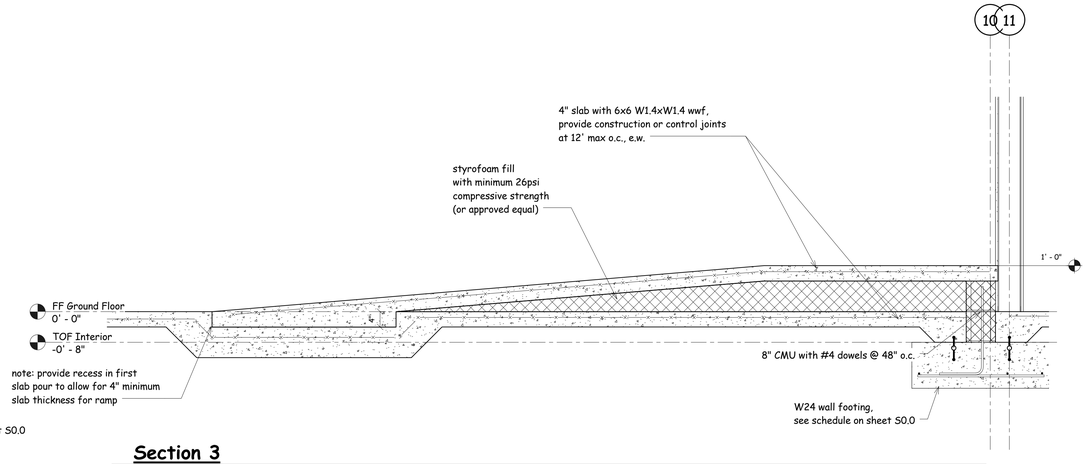

Section 3

3/4" = 1'-0"

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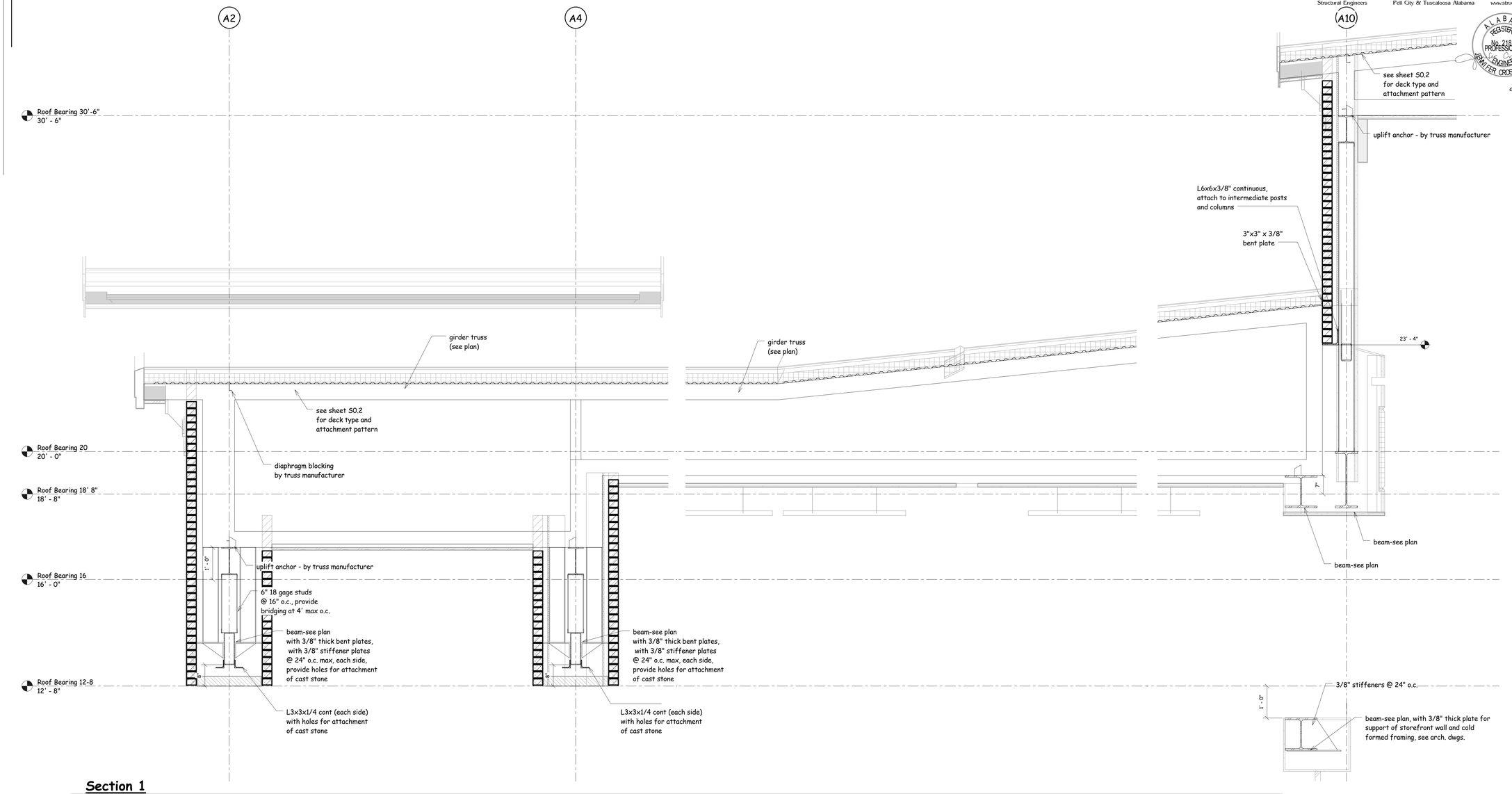
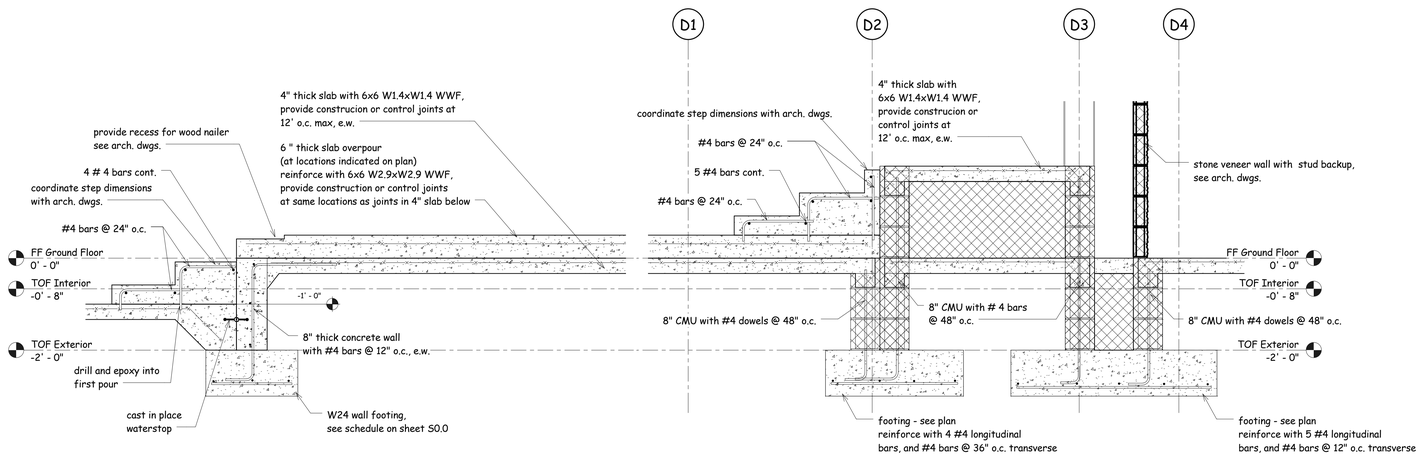


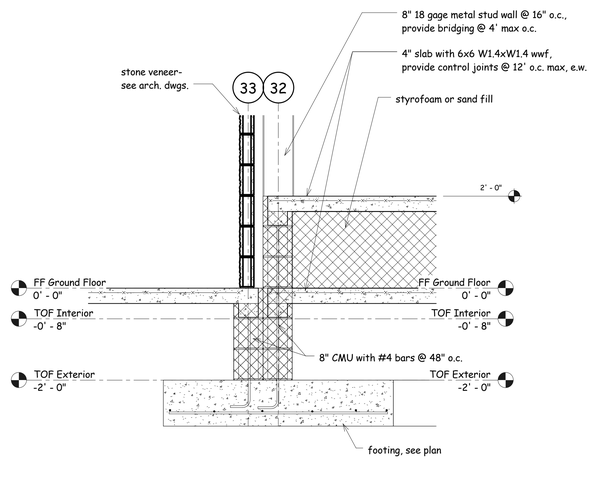
Section 1

3/4" = 1'-0"



Section 2

3/4" = 1'-0"



Section 3

3/4" = 1'-0"

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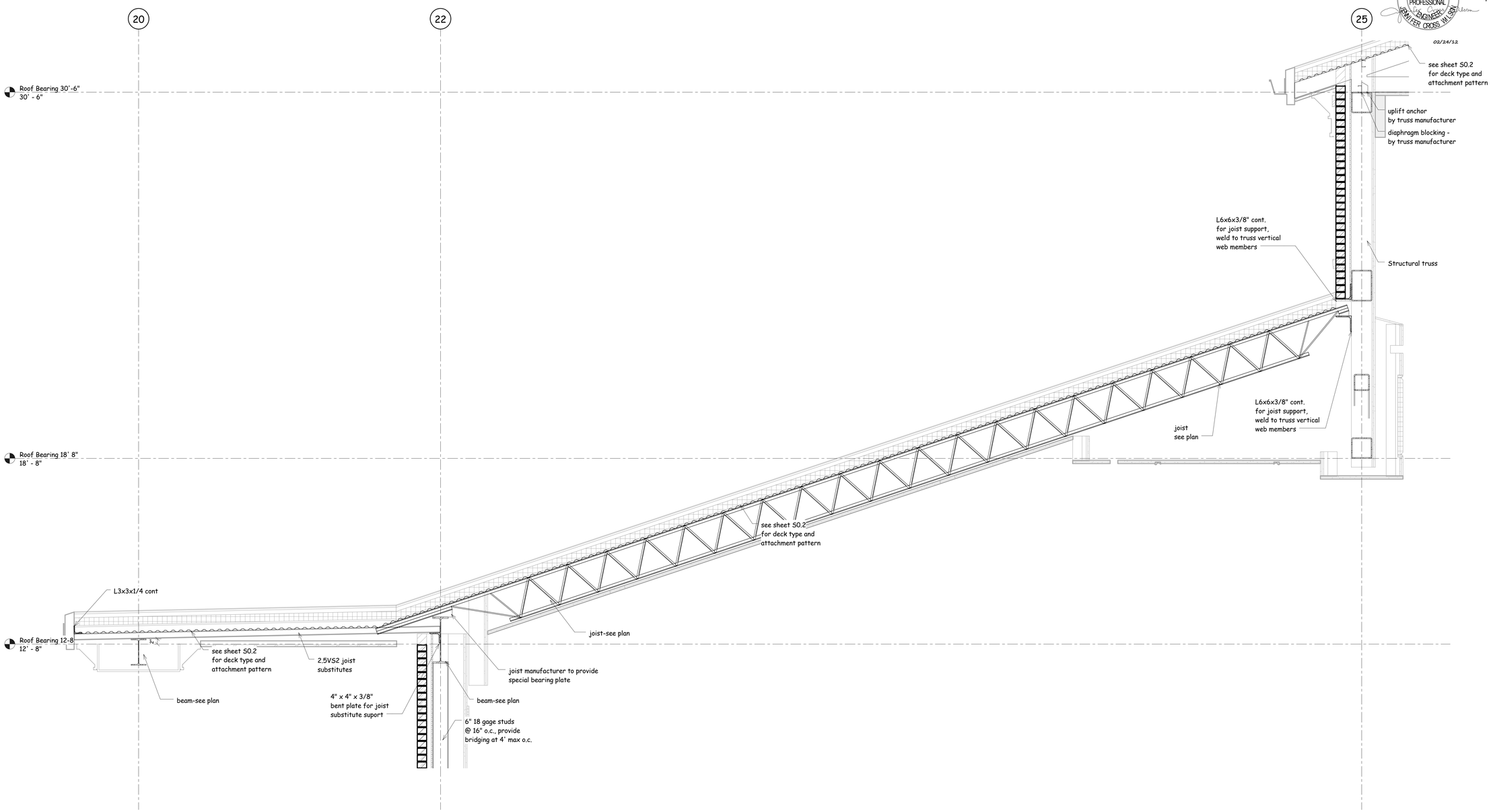

Section 1

3/4" = 1'-0"

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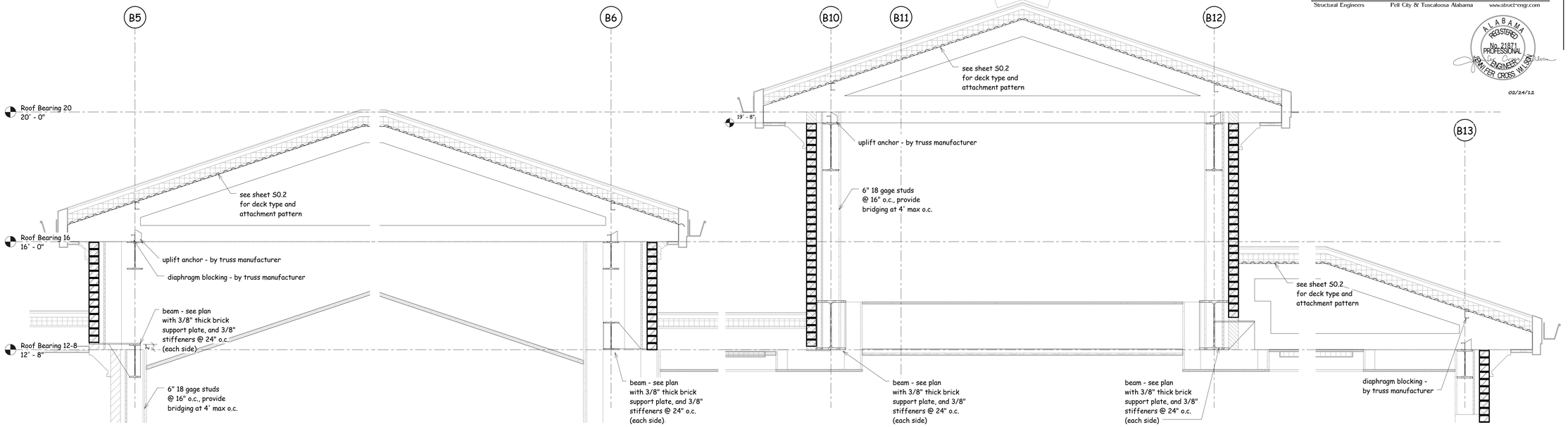

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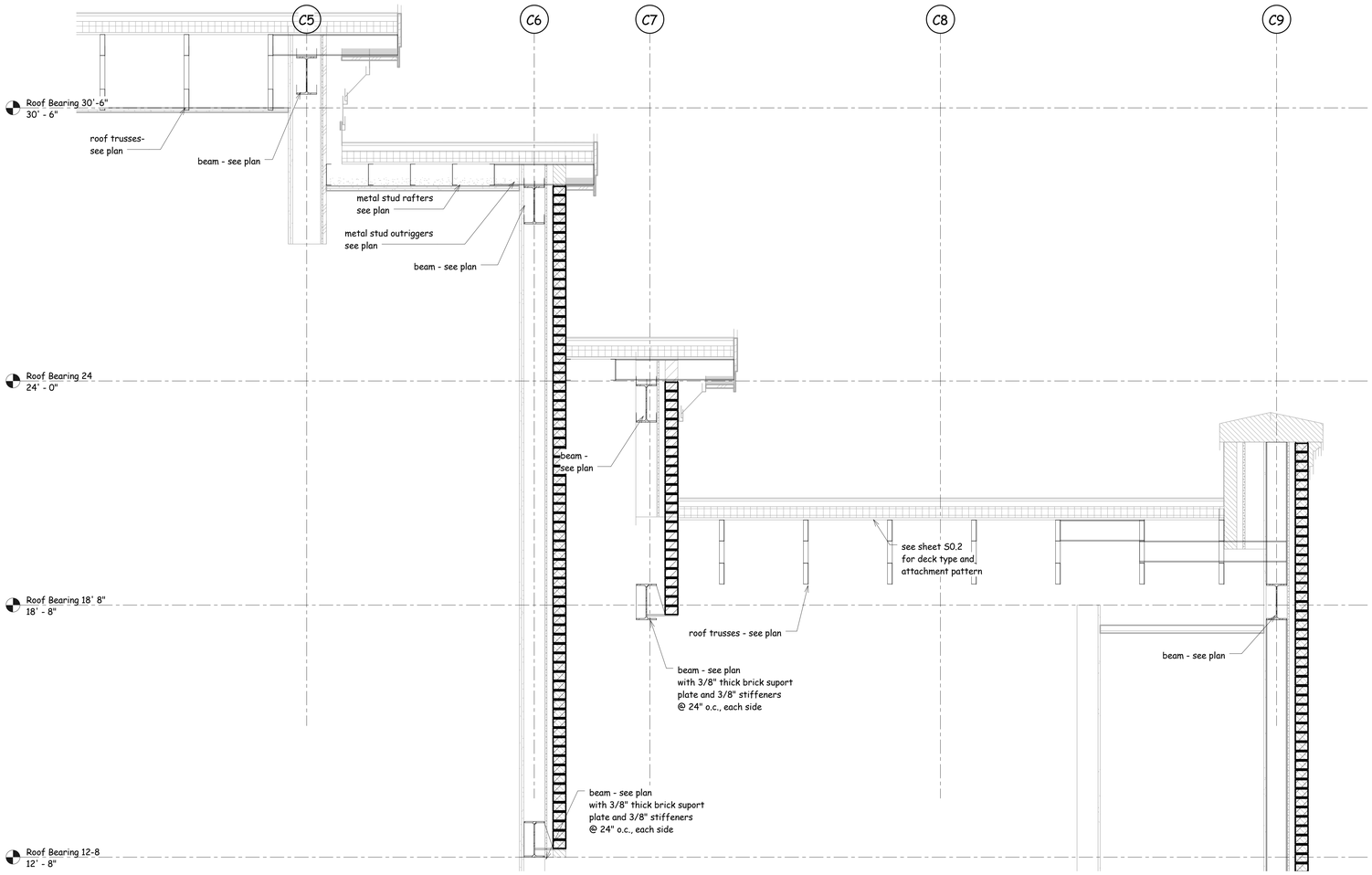

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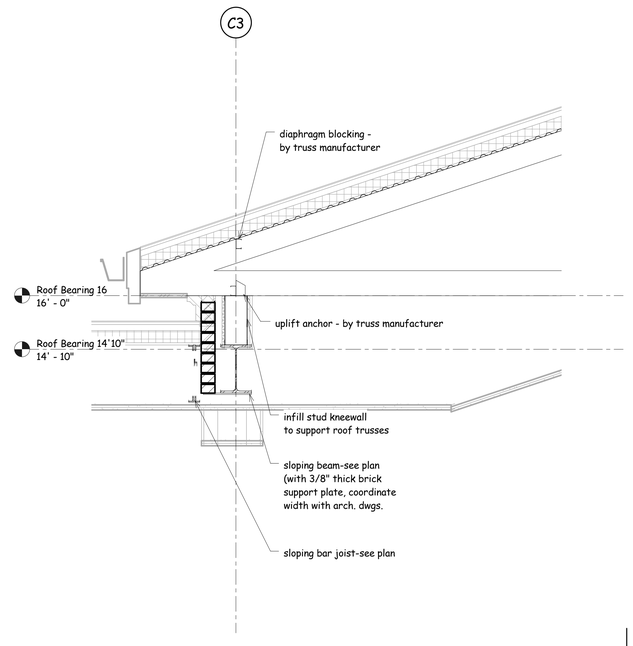

Section 3

3/4" = 1'-0"

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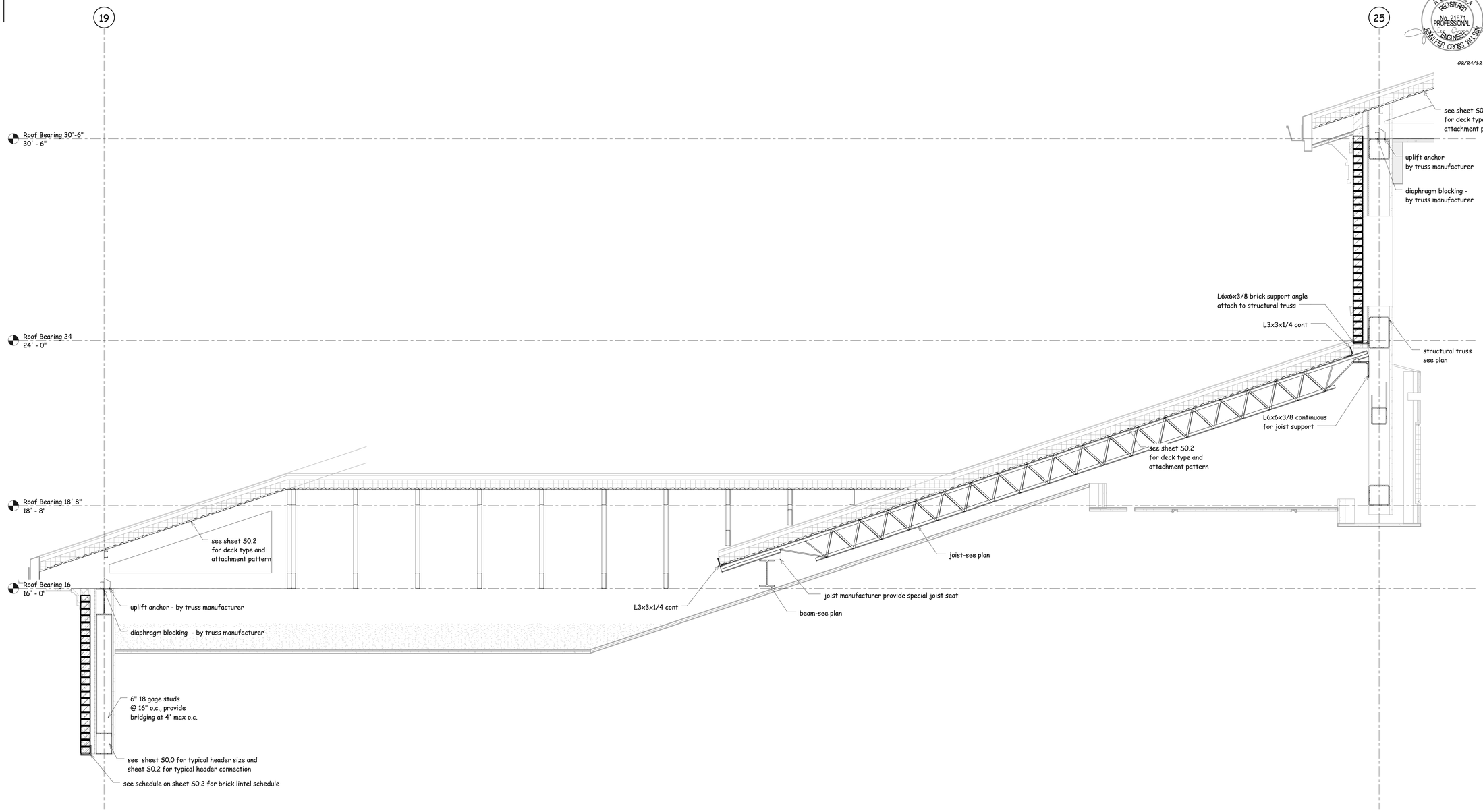

Section 1

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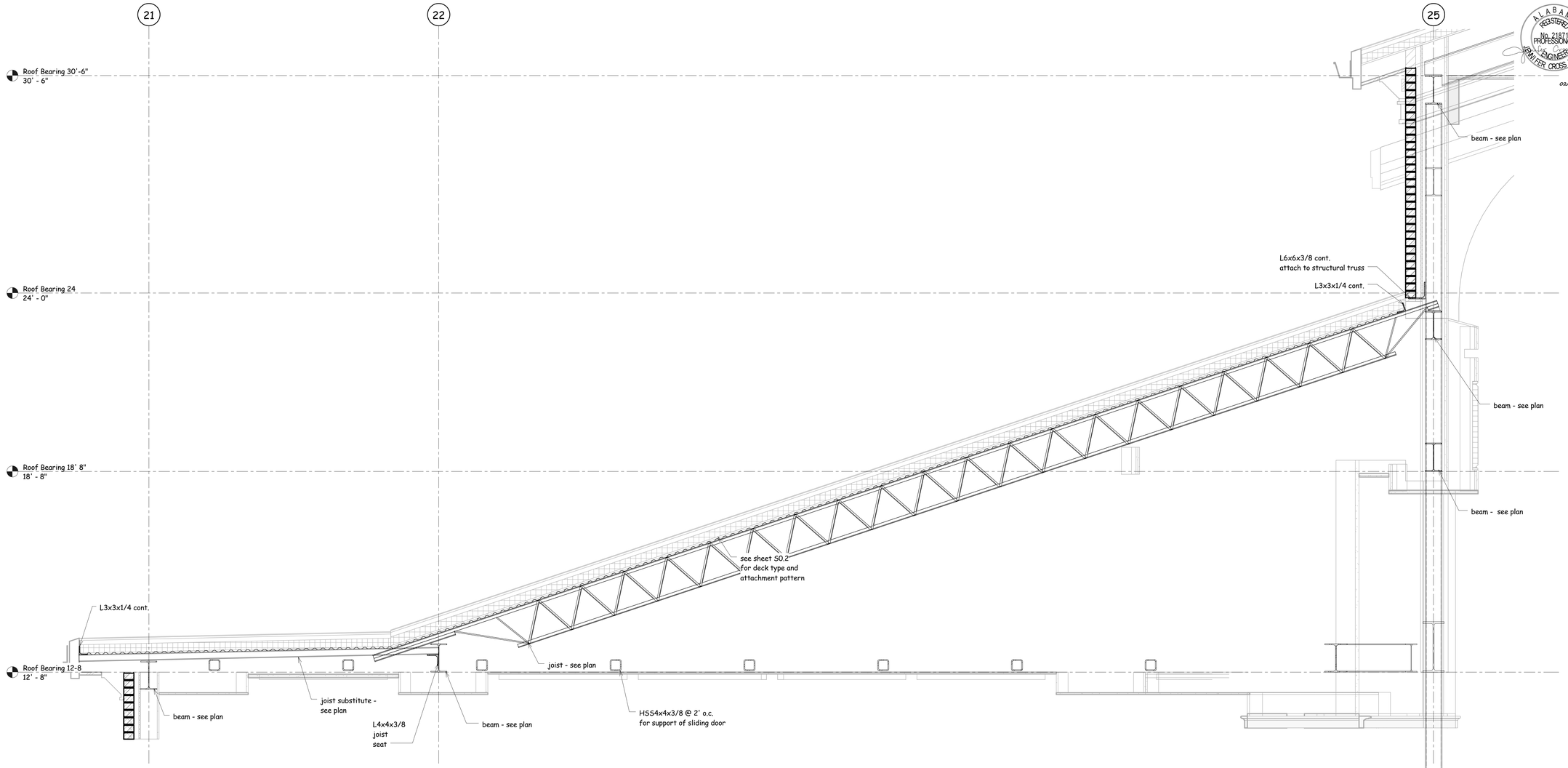

Section 1
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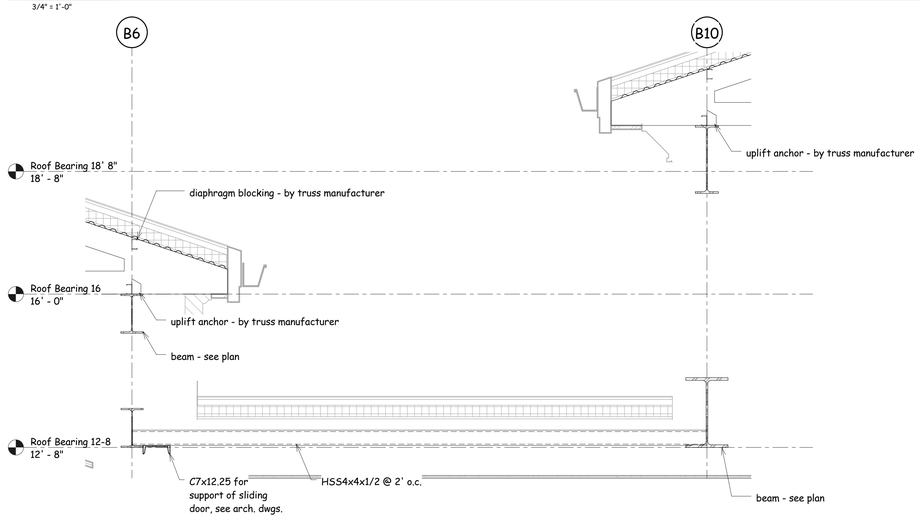

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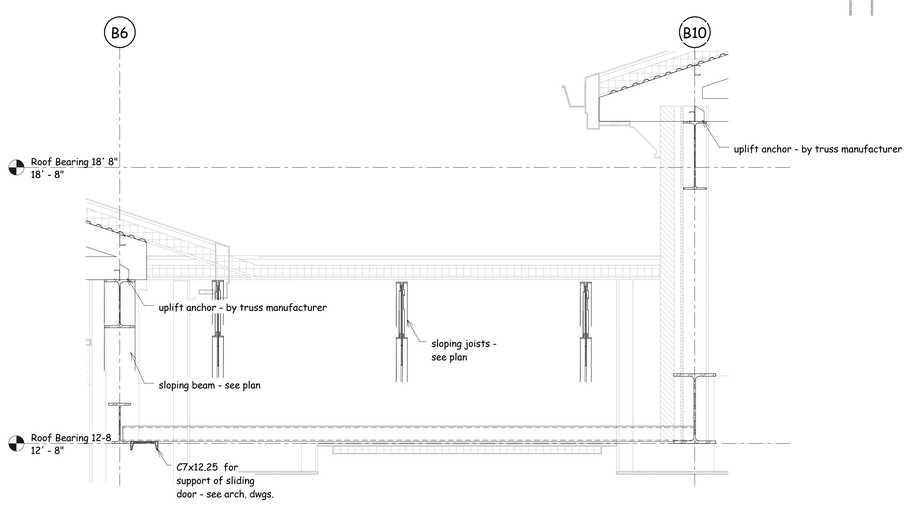

Section 3
3/4" = 1'-0"

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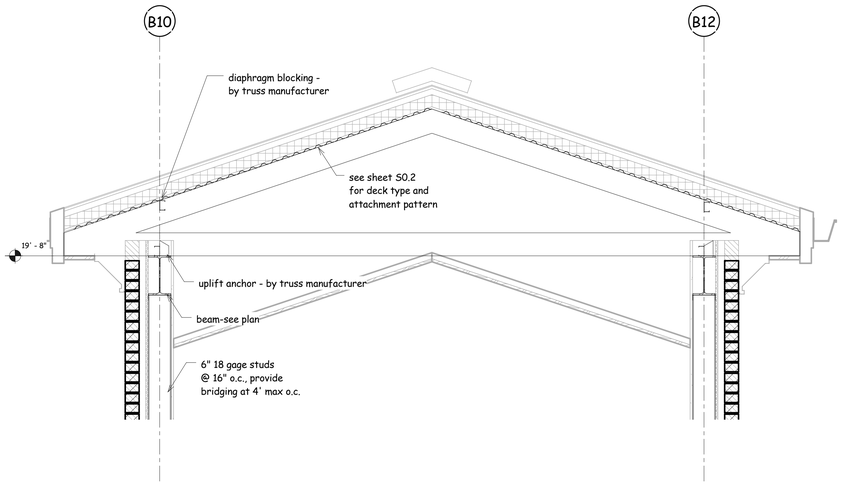
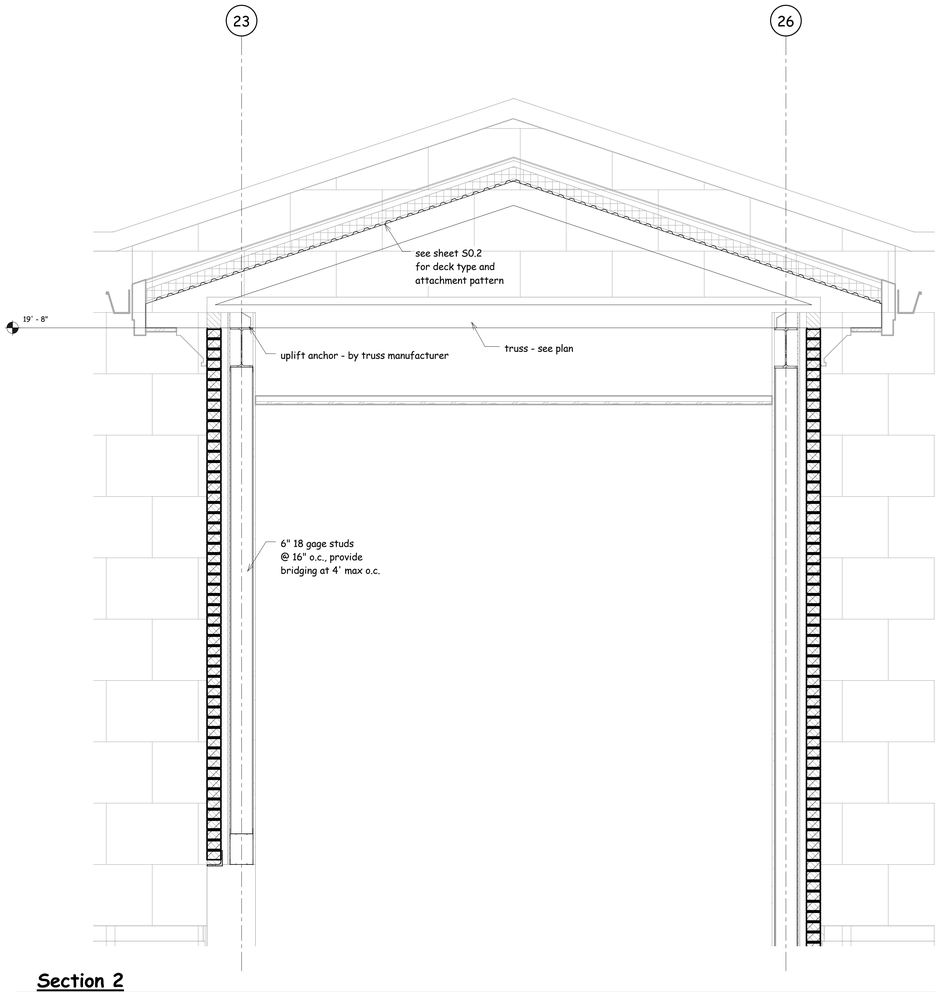


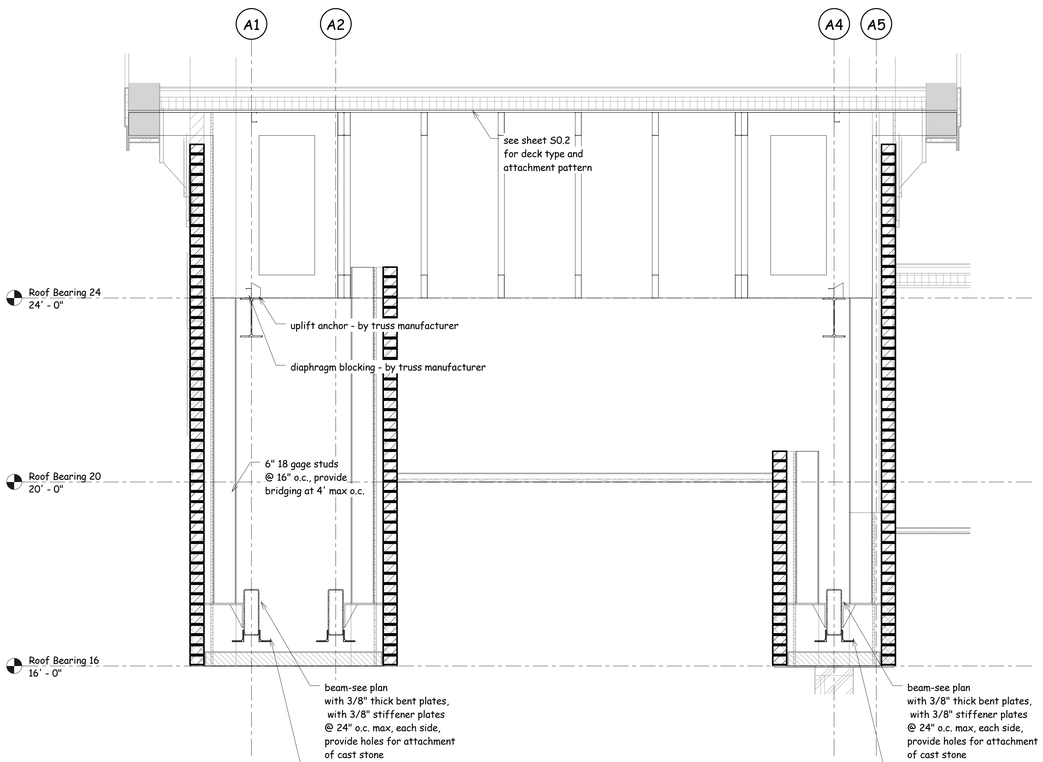
Section 1

3/4" = 1'-0"



Section 2

3/4" = 1'-0"



Section 3

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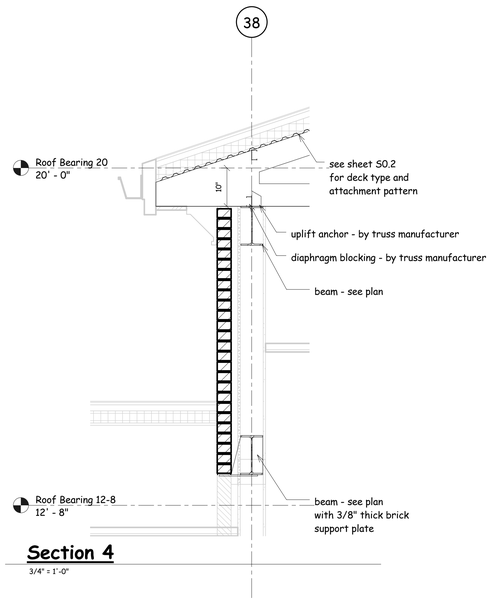
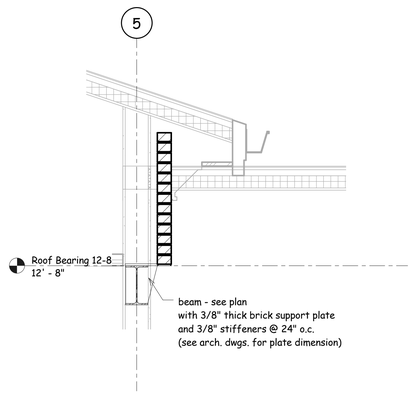


Section 4

3/4" = 1'-0"



Section 5

3/4" = 1'-0"

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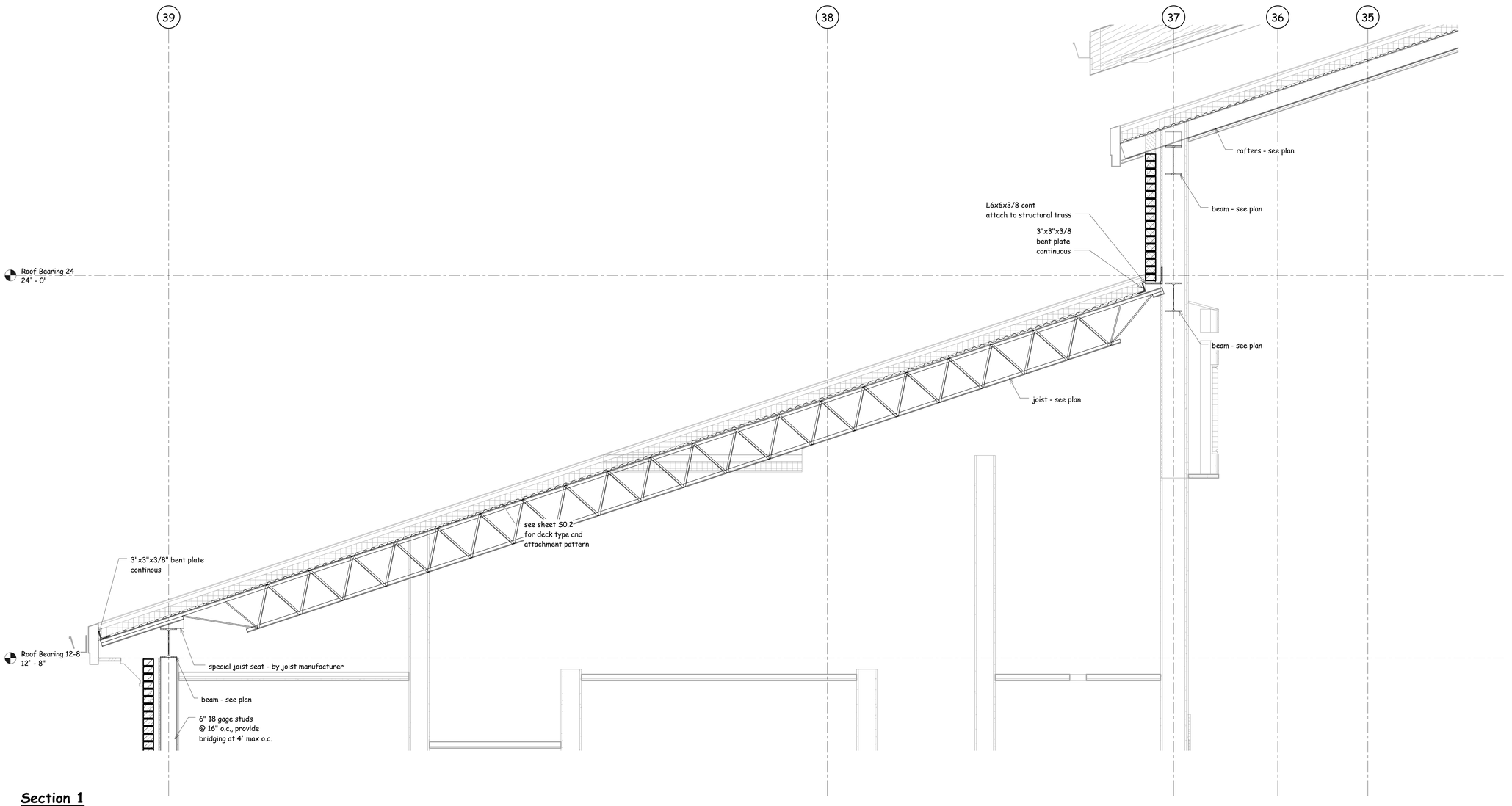

Section 1

3/4" = 1'-0"

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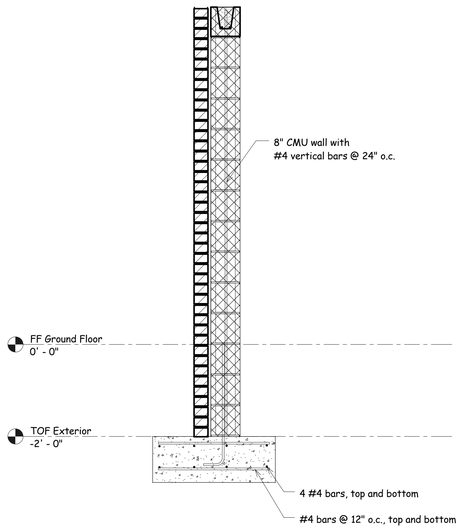
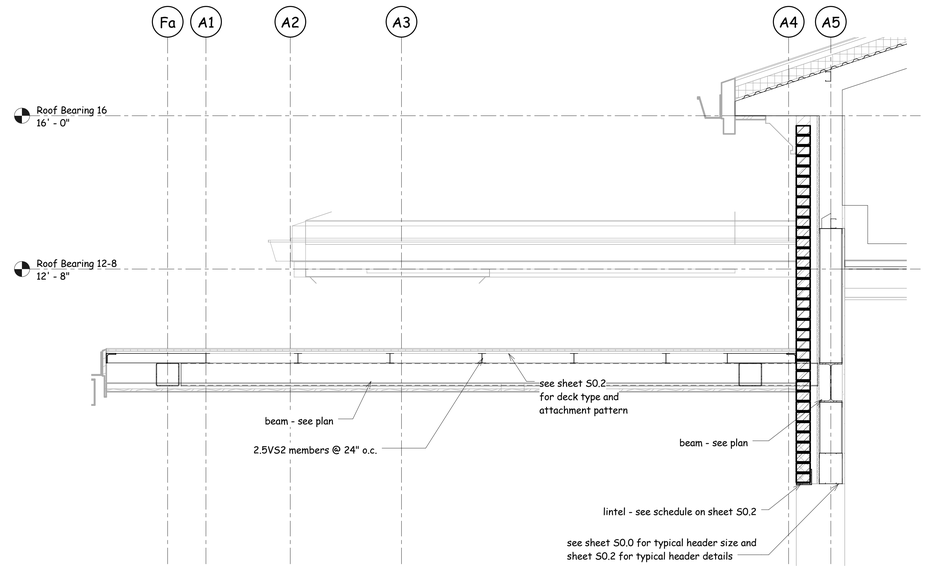


Section 1

3/4" = 1'-0"



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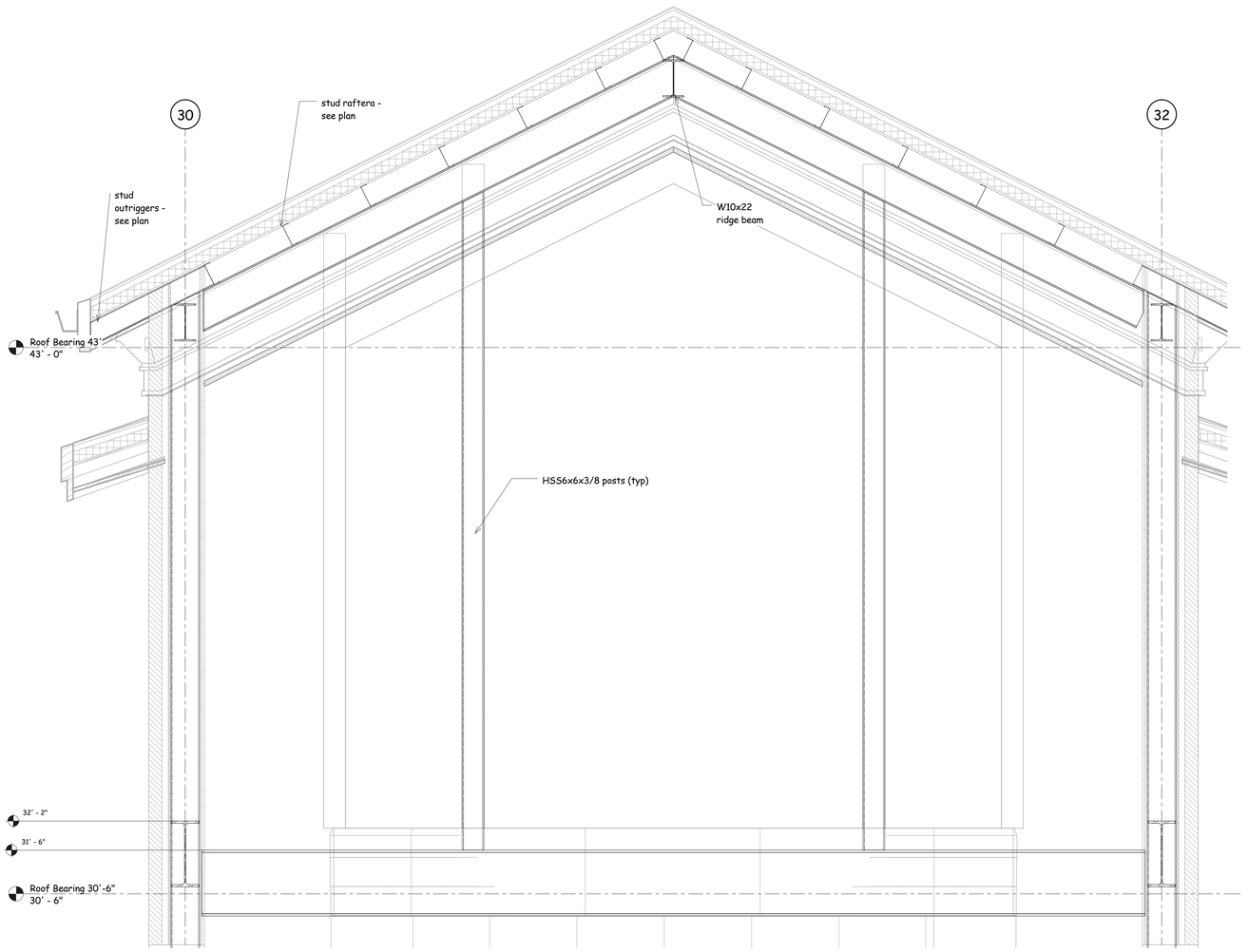

Section 3

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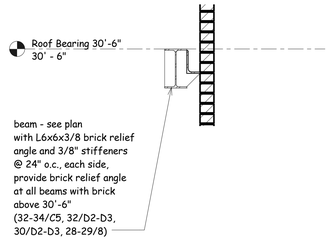
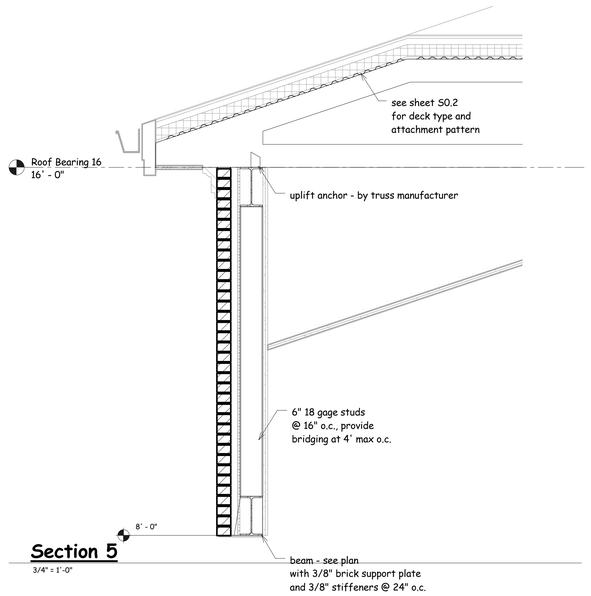


Section 4

3/4" = 1'-0"



Section 5

3/4" = 1'-0"

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Sections

SHEET NUMBER S5.10

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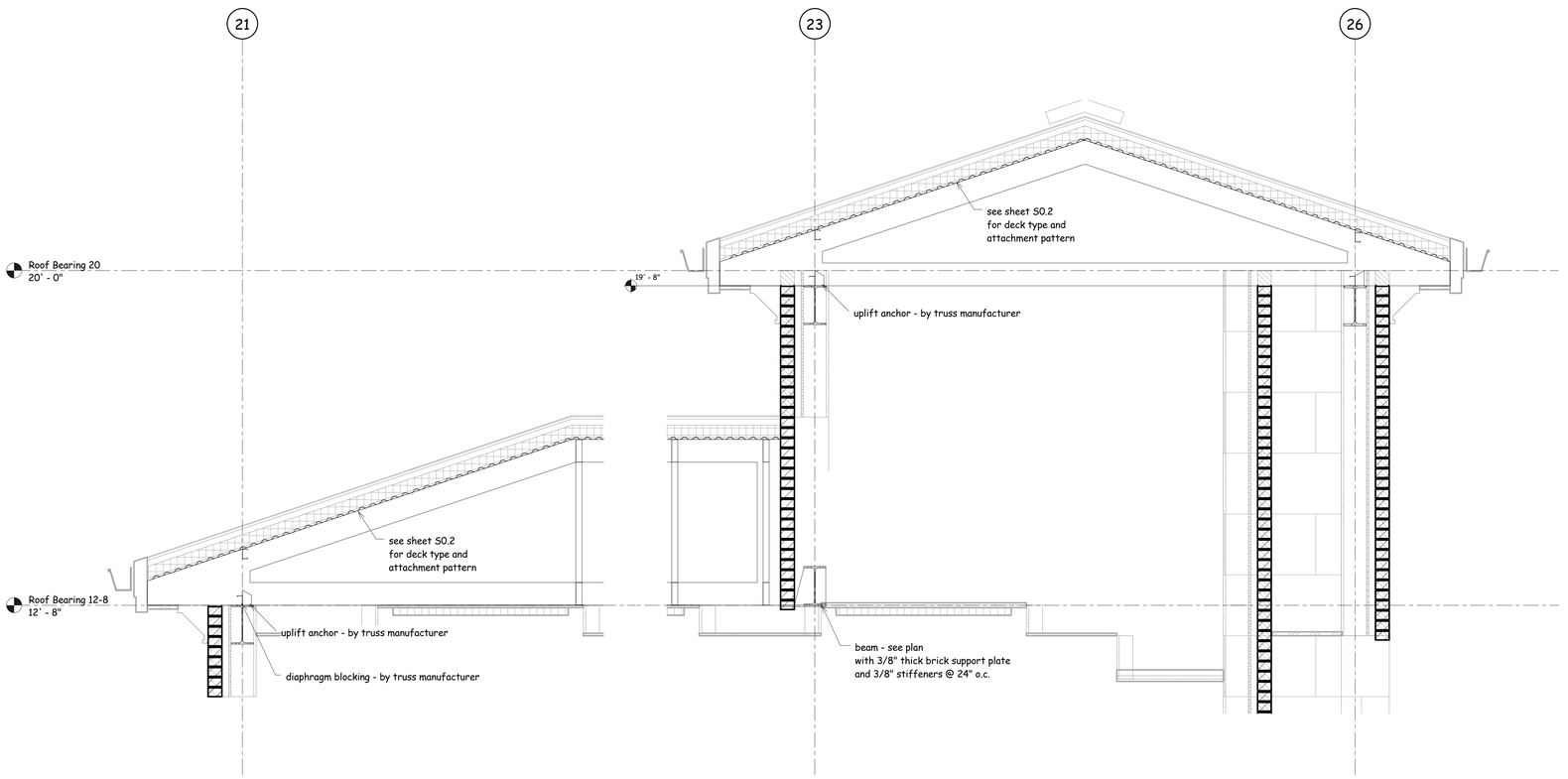

Section 1

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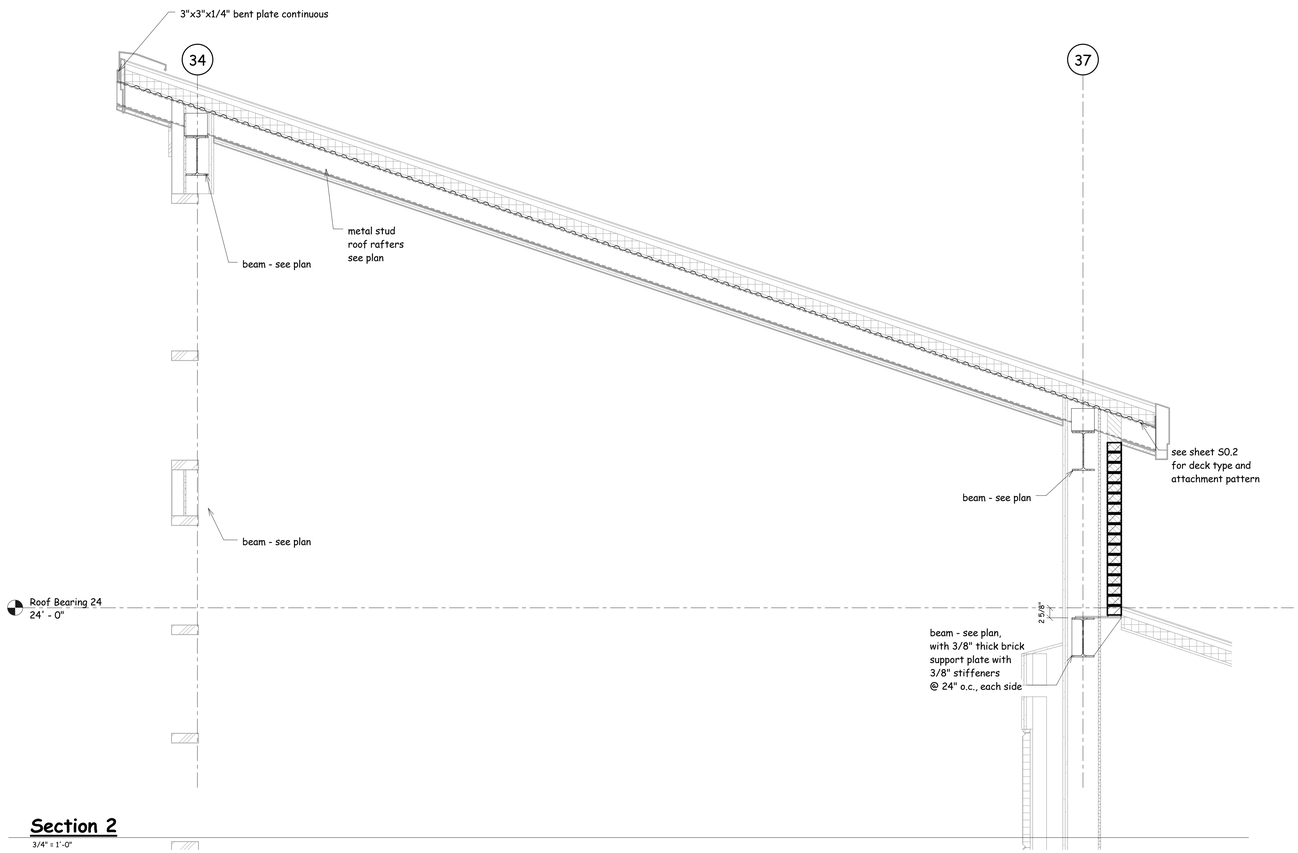

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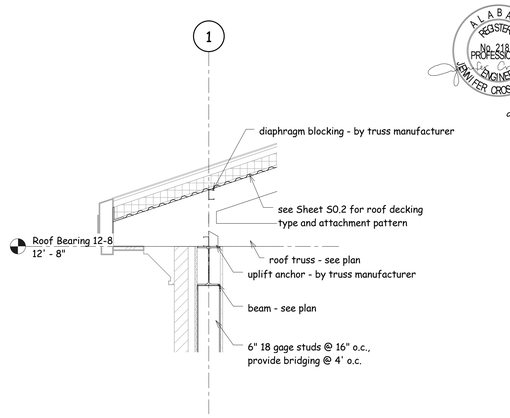
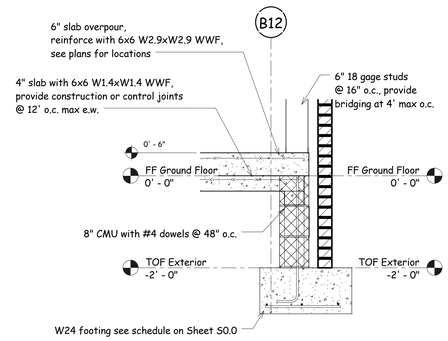
3/4" = 1'-0"



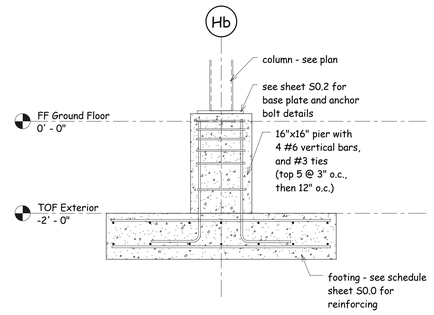
Section 3

3/4" = 1'-0"



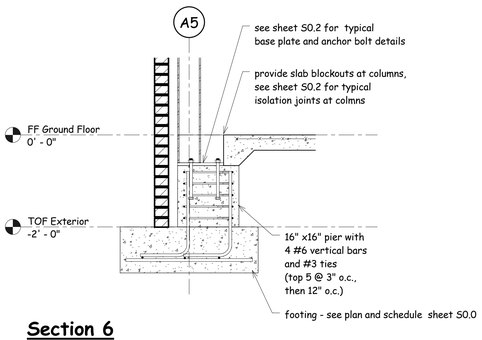
Section 4

3/4" = 1'-0"



Section 5

3/4" = 1'-0"



Section 6

3/4" = 1'-0"

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Sections

SHEET NUMBER S5.11

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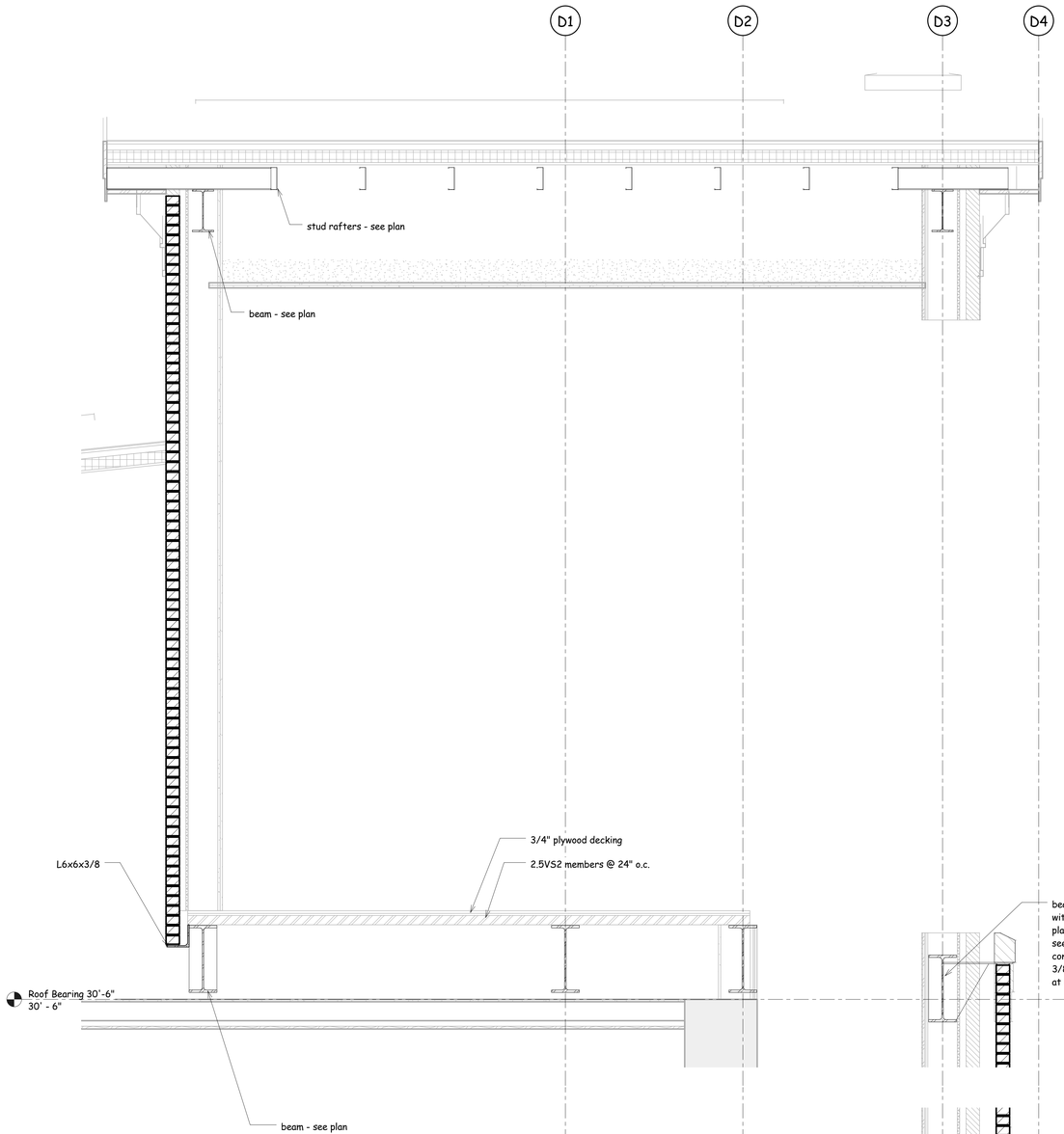

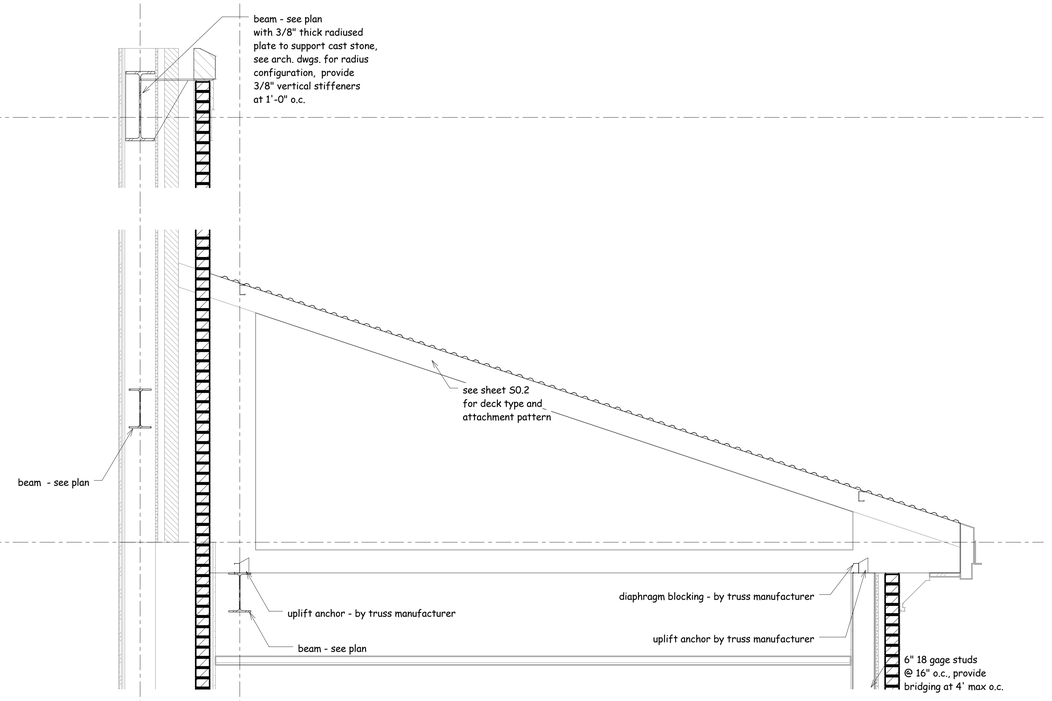

Section 1

3/4" = 1'-0"

2/24/2012 10:41:46 AM

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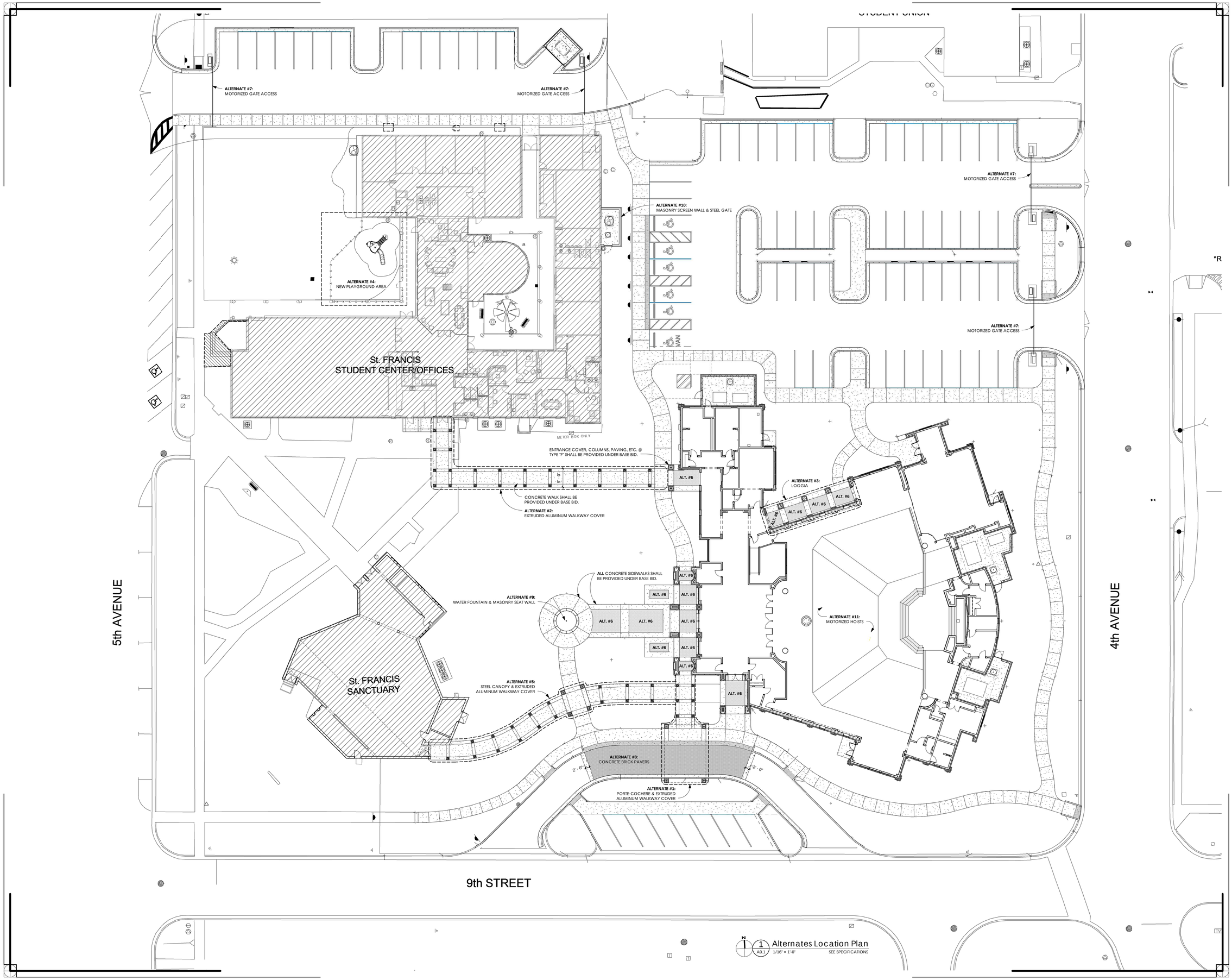
Sections

SHEET NUMBER S5.12



1 A0.1 Alternates Location Plan
1/16" = 1'-0" SEE SPECIFICATIONS

2/24/2012 12:45:13 PM

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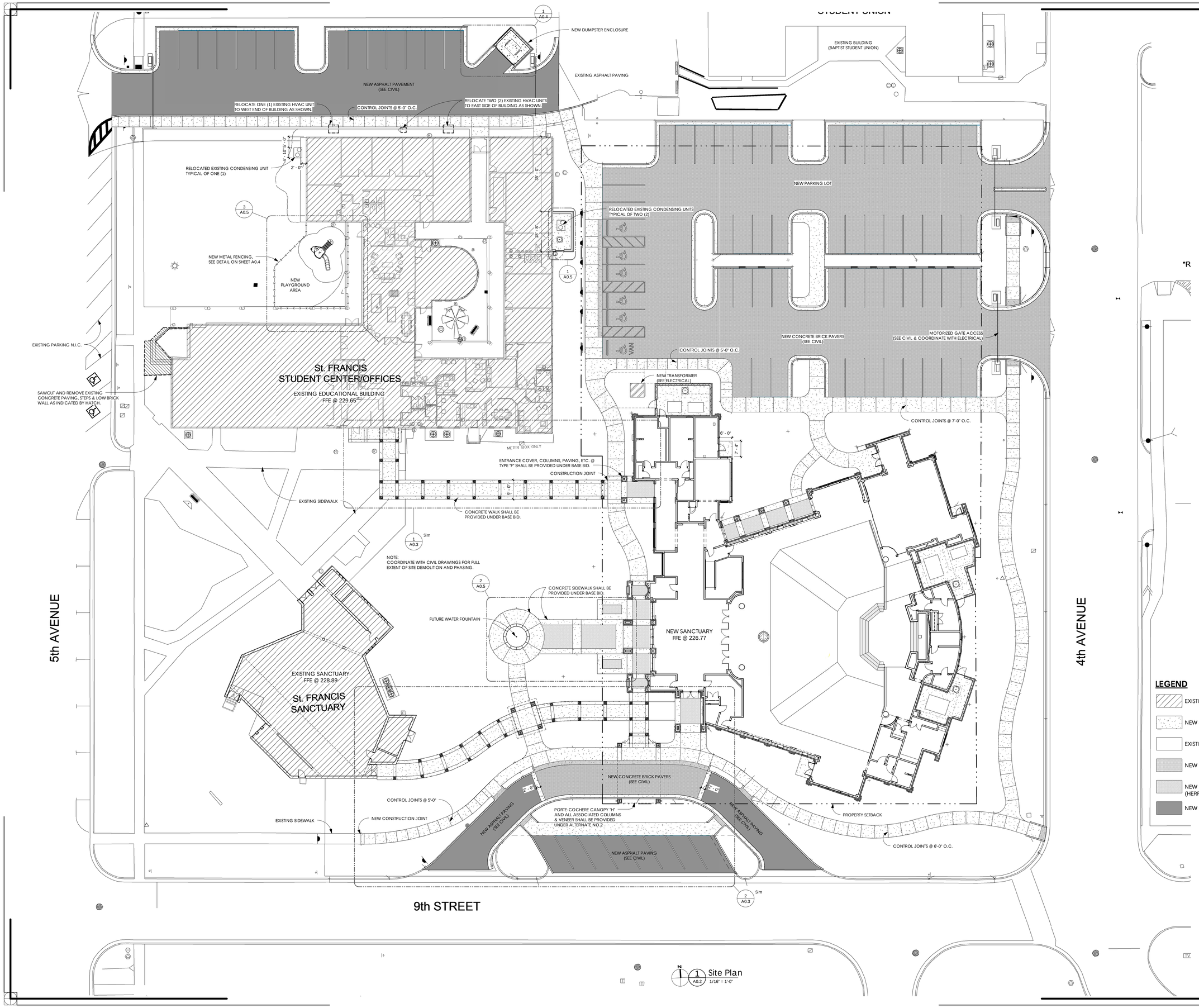
Alternates Location Plan

SHEET NUMBER A0.1



1 A0.2 Site Plan
1/16" = 1'-0"

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Architectural Site Plan

SHEET NUMBER A0.2

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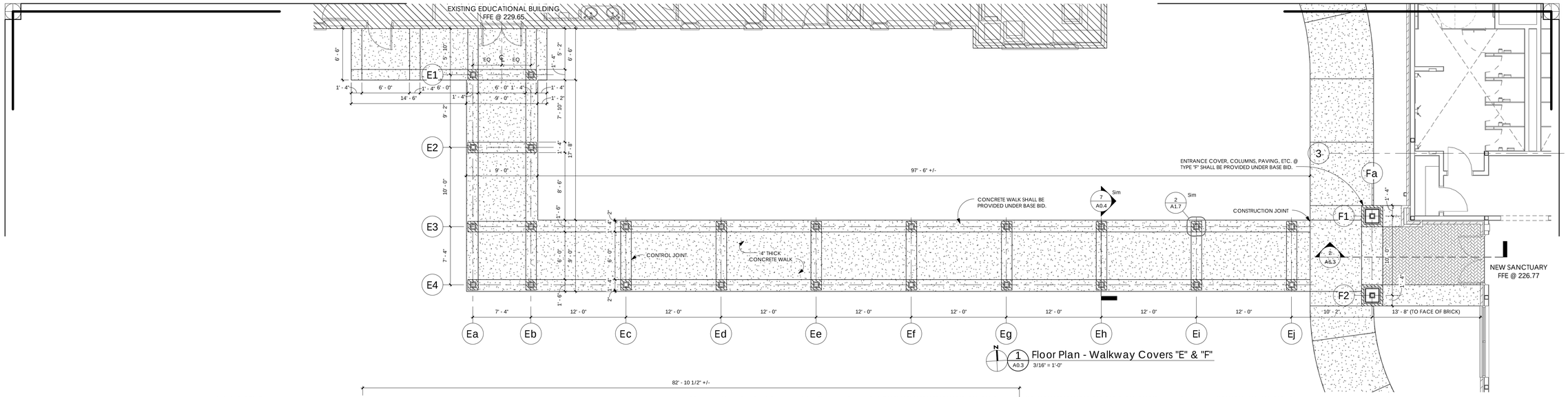

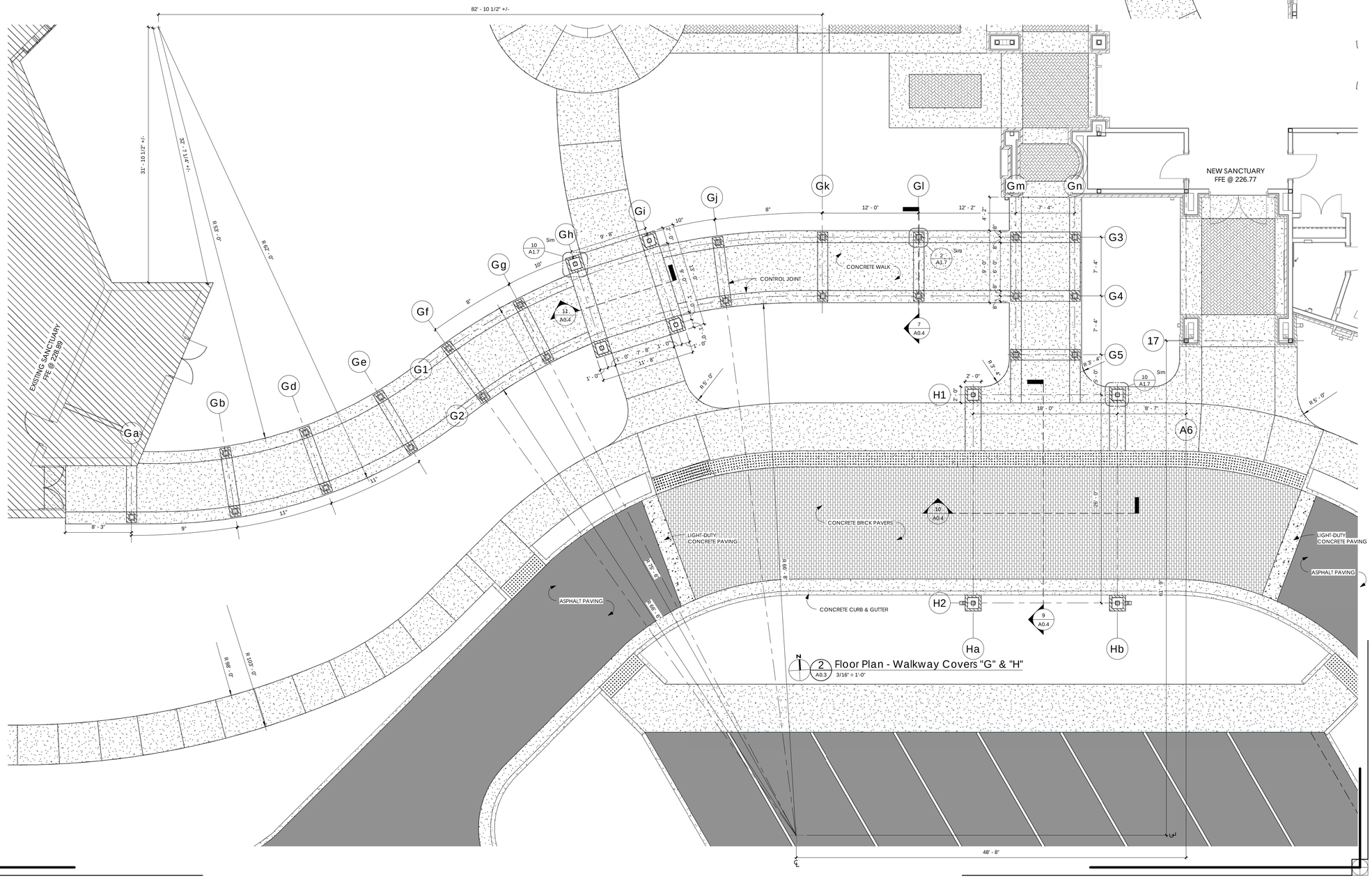

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Walkway Cover - Layout Plan

SHEET NUMBER A0.3

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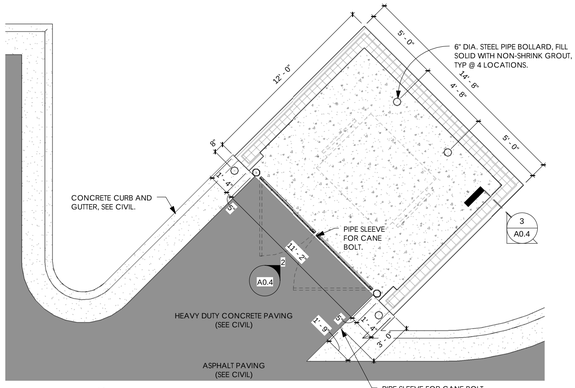
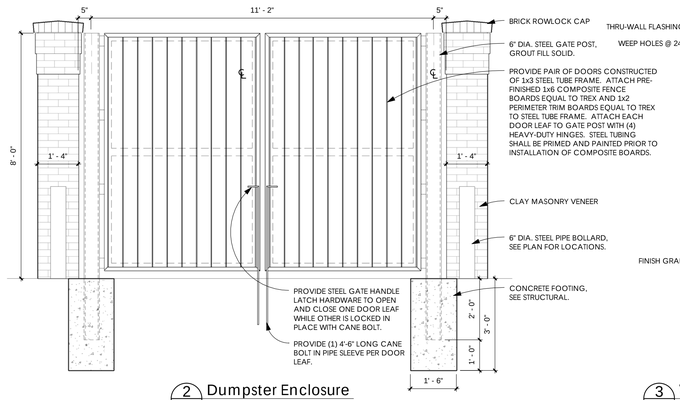


N

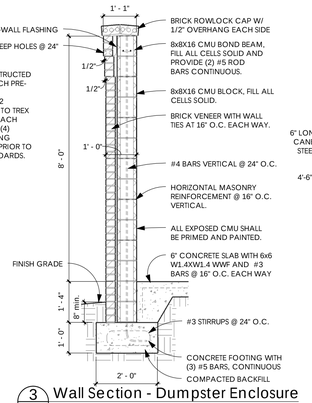
1 A0.4 Site - Dumpster Enclosure Plan

1/4" = 1'-0"



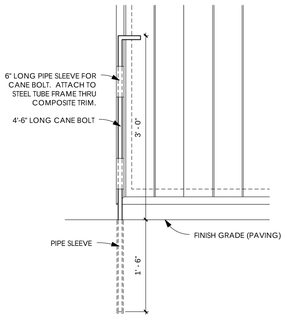
2 A0.4 Dumpster Enclosure

1/2" = 1'-0"



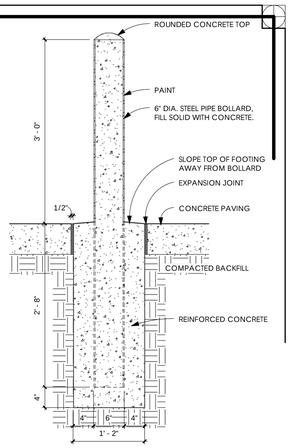
3 A0.4 Wall Section - Dumpster Enclosure

1/2" = 1'-0"



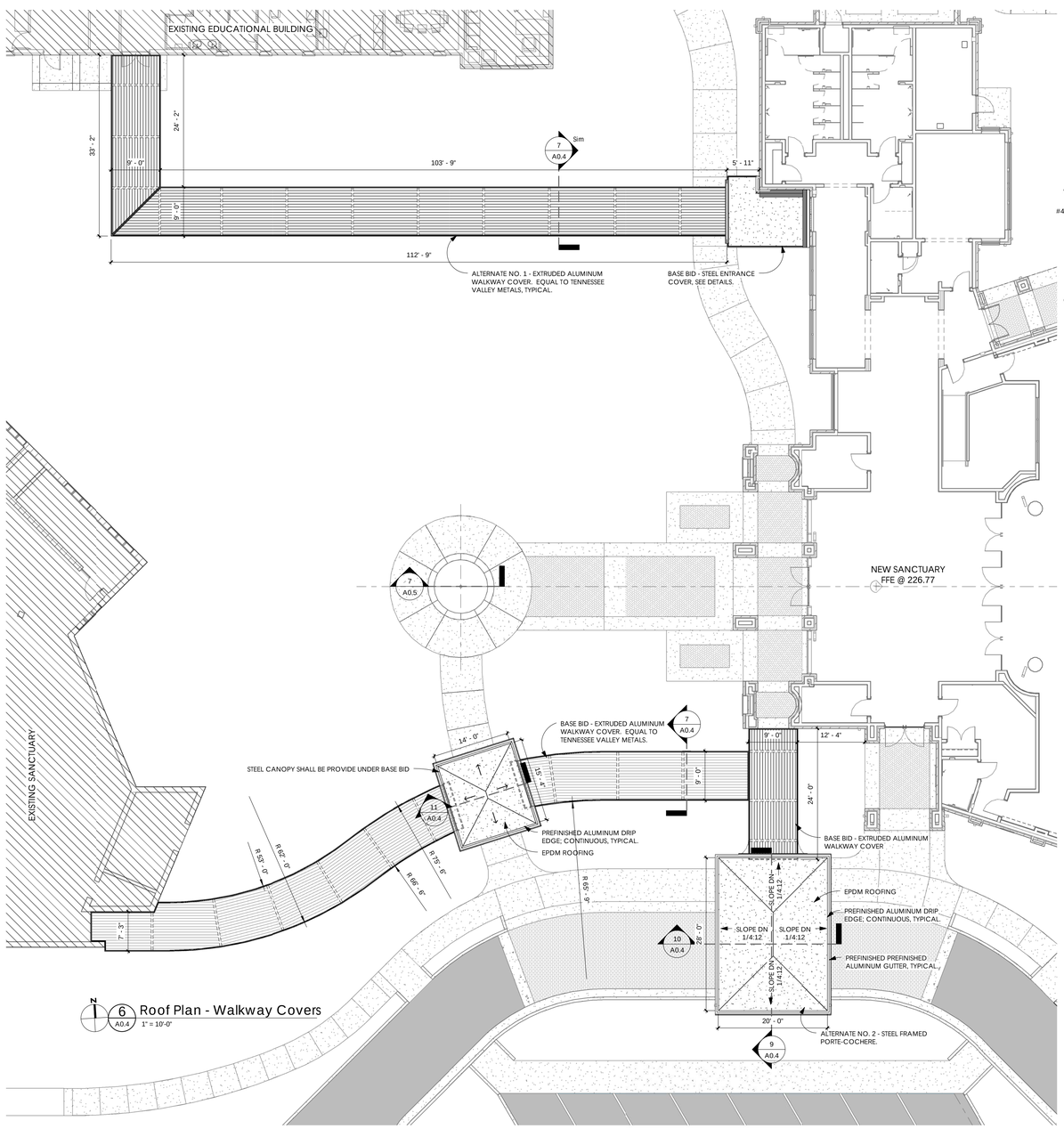
4 A0.4 Gate Keeper Detail

1" = 1'-0"



5 A0.4 Bollard Detail

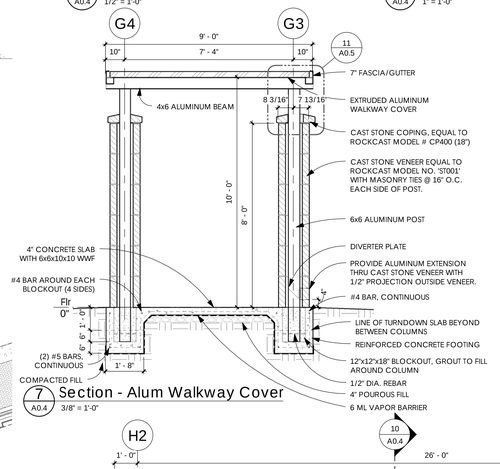
1" = 1'-0"



N

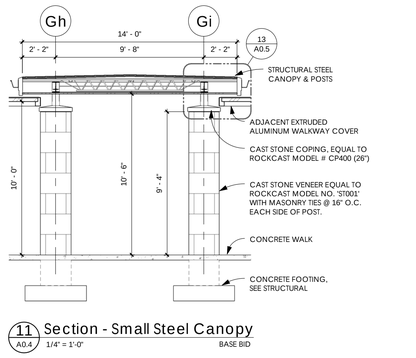
6 A0.4 Roof Plan - Walkway Covers

1" = 10'-0"



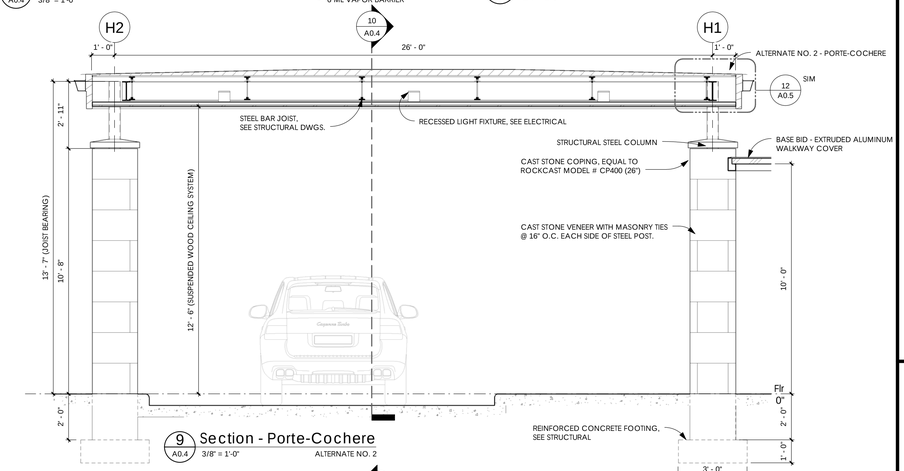
7 A0.4 Section - Alum Walkway Cover

3/8" = 1'-0"



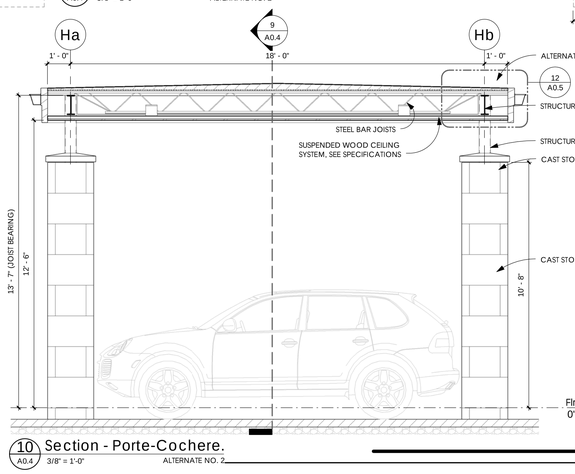
11 A0.4 Section - Small Steel Canopy

1/4" = 1'-0" BASE BID



9 A0.4 Section - Porte-Cochere

3/8" = 1'-0" ALTERNATE NO. 2



10 A0.4 Section - Porte-Cochere.

3/8" = 1'-0" ALTERNATE NO. 2

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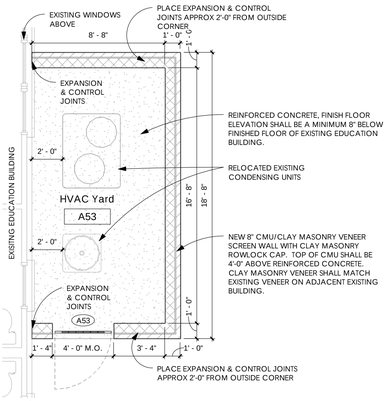
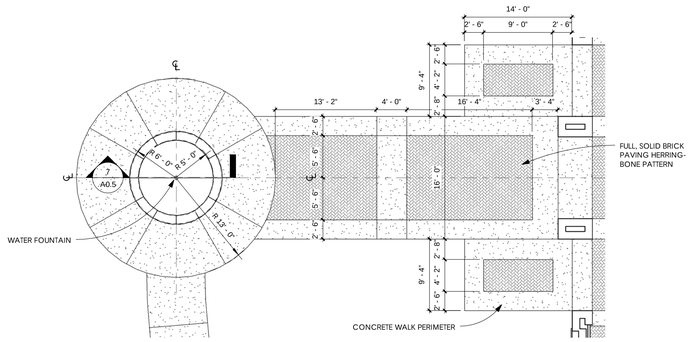
Walkway Cover & Site Details

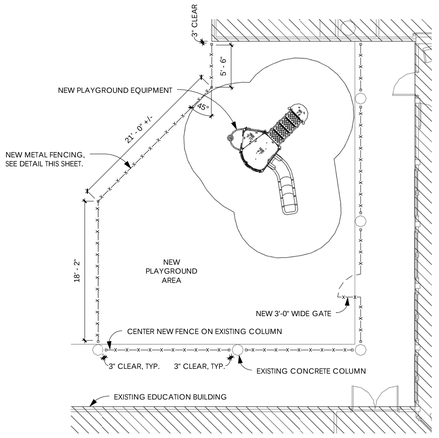
SHEET NUMBER A0.4



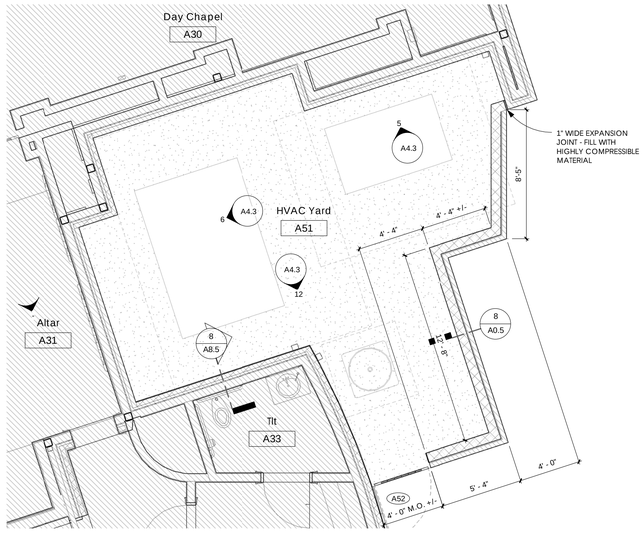
N 1 A0.5 Enlarged Site Plan - HVAC Yard A53
1/4" = 1'-0"



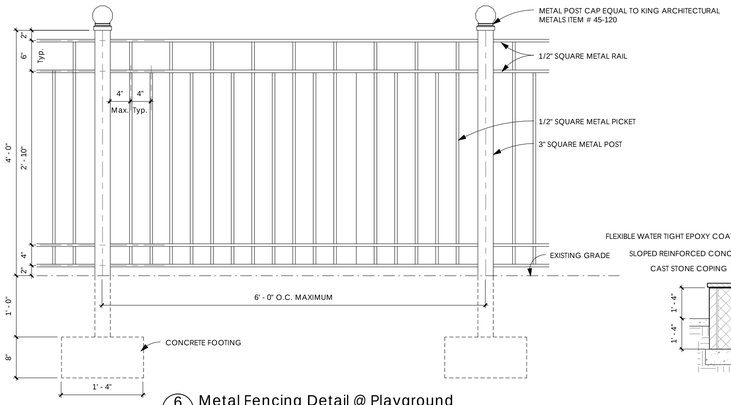
N 2 A0.5 Enlarged Site Plan - Courtyard Paving
1/8" = 1'-0"



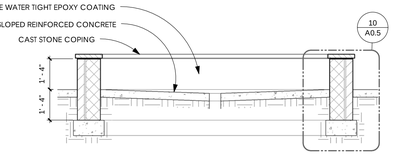
N 3 A0.5 Enlarged Site Plan - Playground
1/8" = 1'-0"



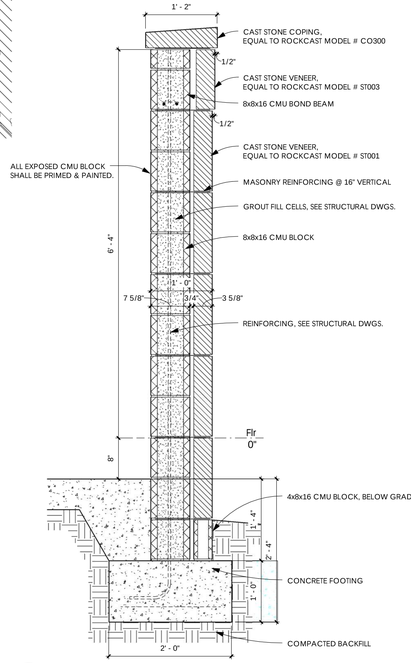
N 4 A0.5 Enlarged Site Plan - HVAC Yard A51
1/4" = 1'-0"



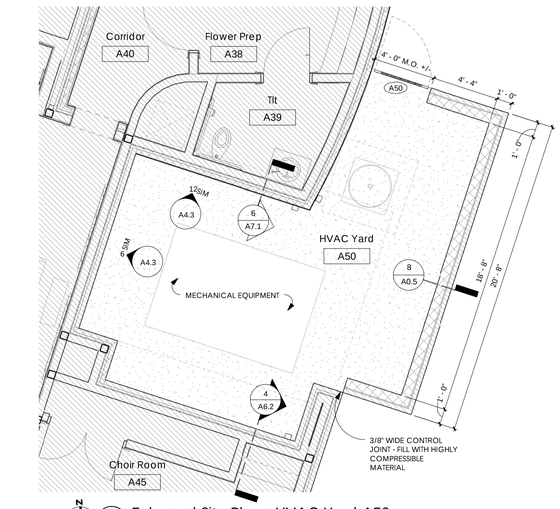
6 A0.5 Metal Fencing Detail @ Playground
1" = 1'-0"



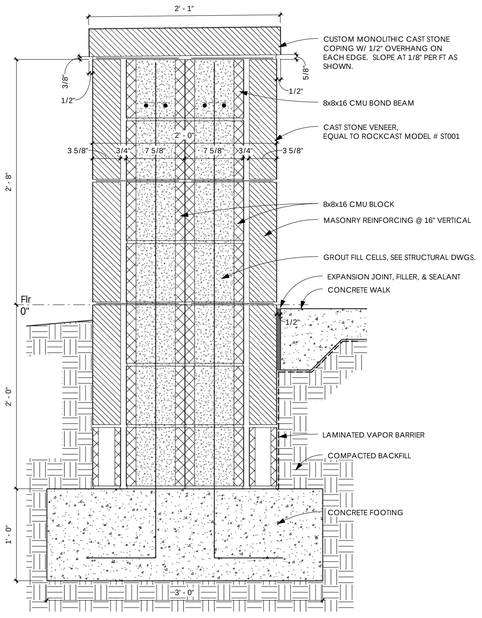
7 A0.5 Section - Water Fountain
3/8" = 1'-0"



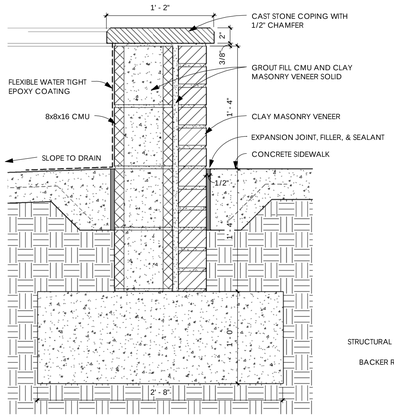
8 A0.5 Wall Section - Masonry Stone Screen Wall
1" = 1'-0"



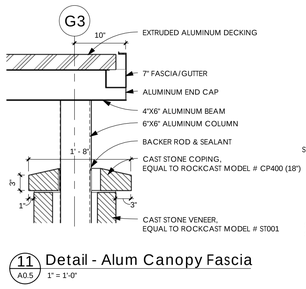
N 5 A0.5 Enlarged Site Plan - HVAC Yard A50
1/4" = 1'-0"



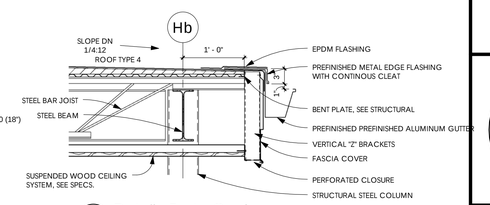
9 A0.5 Detail - Low Wall
1 1/2" = 1'-0"



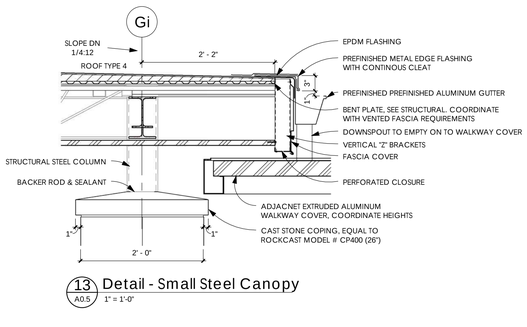
10 A0.5 Detail - Water Fountain Wall
1 1/2" = 1'-0"



11 A0.5 Detail - Alum Canopy Fascia
1" = 1'-0"



12 A0.5 Detail - Porte-Cochere
1" = 1'-0"



13 A0.5 Detail - Small Steel Canopy
1" = 1'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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Misc. Site Plans & Details

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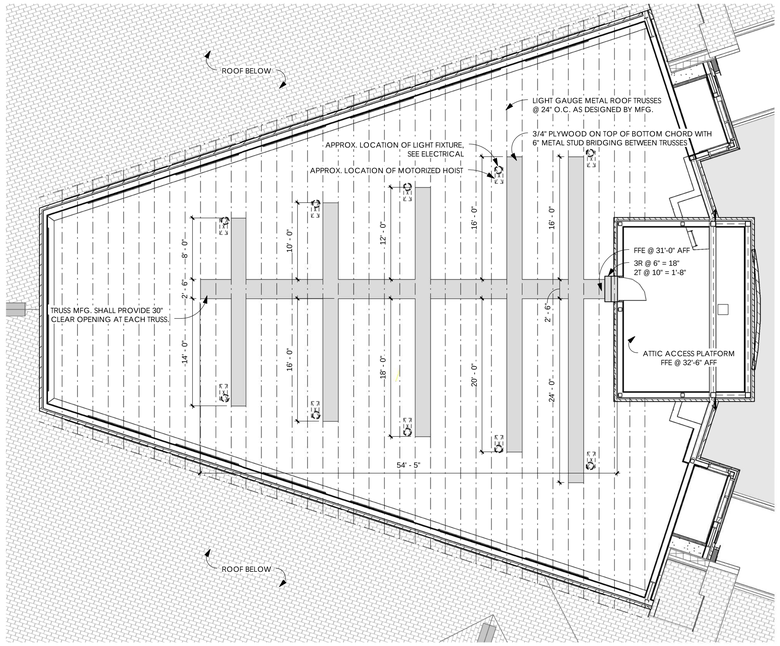
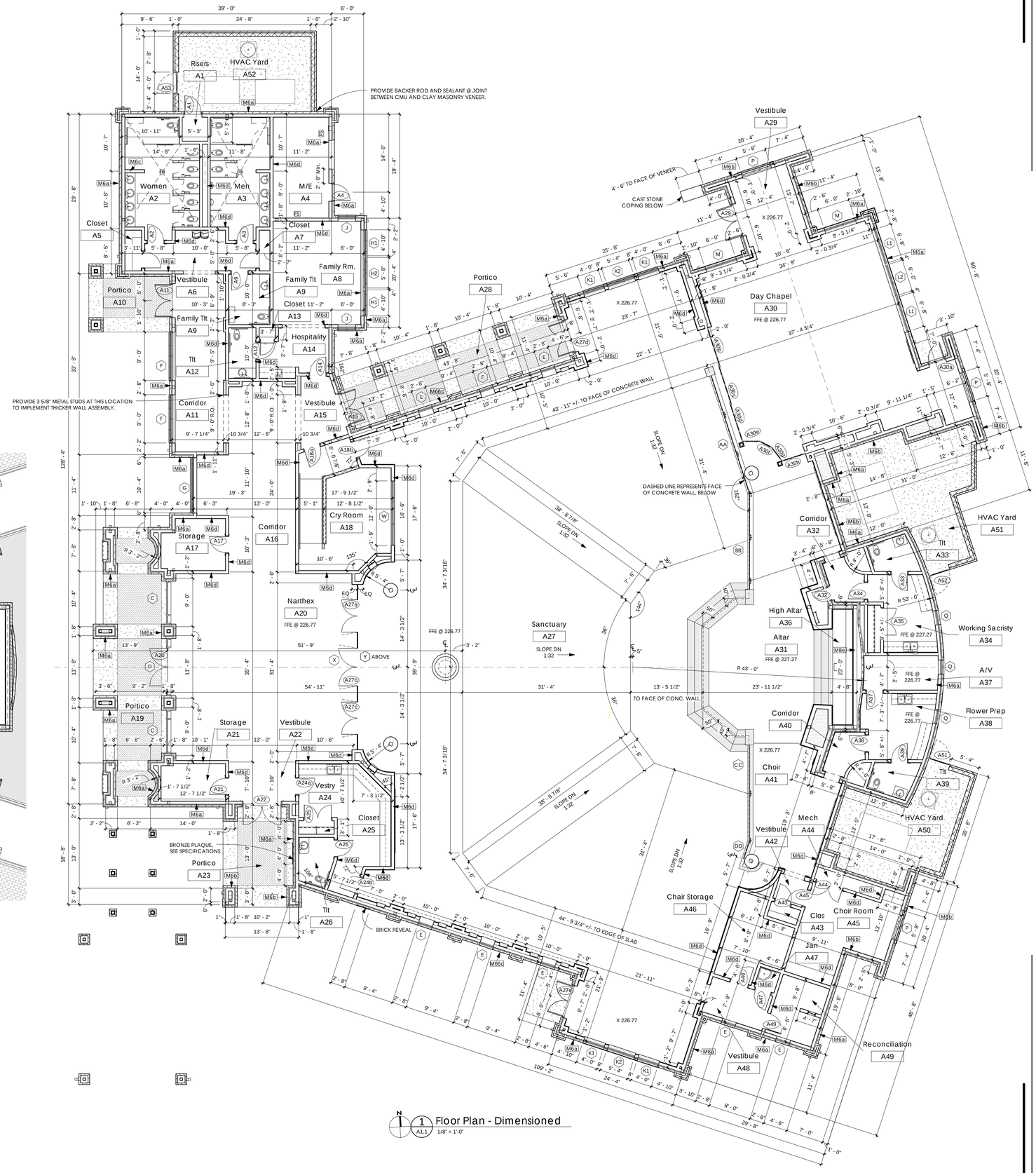


2 Floor Plan - Attic Access Platform
A1.1 1/8" = 1'-0"



1 Floor Plan - Dimensioned
A1.1 1/8" = 1'-0"

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Floor Plan - Dimensioned

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LEGEND

FEC — INDICATES LOCATION OF FIRE EXTINGUISHER CABINET, SEE SPECIFICATIONS.

INDICATES LOCATION OF ELECTRICAL PANEL, SEE SPECIFICATIONS.

DS — INDICATES LOCATION OF PREFINISHED ALUMINUM DOWNSPOUT WITH CAST IRON BOOT TO UNDERGROUND PIPING. SEE CIVIL FOR CONTINUATION OF PIPING.

8 — INDICATES WINDOW NUMBER, SEE WINDOW SCHEDULE ON SHEET A5.1

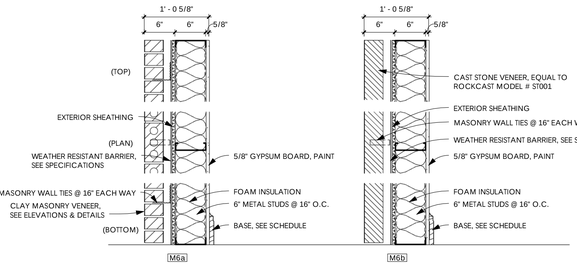
1 / S1 — INDICATES ARCHITECTURAL PLAN NOTES, SEE SHEET A1.1

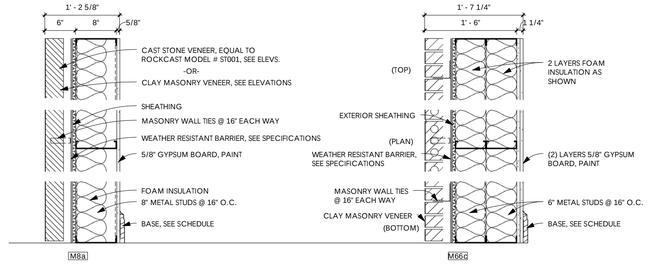
A100 — INDICATES DOOR NUMBER, SEE DOOR SCHEDULE ON SHEET A5.1

1 / A10.1 — INDICATES TYPICAL INTERIOR ELEVATION, SEE SHEETS A10.1 & A10.2

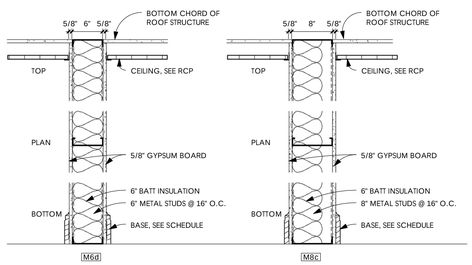
GENERAL WALL TYPE NOTES

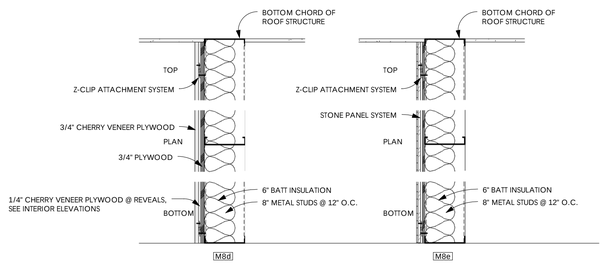
1. PROVIDE SOUND INSULATION IN ALL INTERIOR WALLS.
2. AT THE EXTERIOR OF ALL EXTERIOR WALLS, INSTALL 2'-0" WIDE ADHESIVE SHEET WATERPROOFING APPLIED ON CENTER HORIZONTALLY WITH FINISH FLOOR HEIGHT.
3. AT EXTERIOR CLAY MASONRY VENEER WALLS, THE GENERAL CONTRACTOR MAY SUBSTITUTE CLAY BRICK WITH CONCRETE MASONRY UNITS (CMU) ONLY BELOW FINISH GRADE AT ELEVATION HEIGHTS FROM TOP OF FOOTING TO 8" BELOW FINISH GRADE.
4. ALL INTERIOR SHEETROCK WALL SYSTEMS SHALL EXTEND TO THE BOTTOM CHORD OF ROOF FRAMING ABOVE.
5. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING FOR ALL REQUIRED ITEMS SUCH AS BUT NOT LIMITED TO PLUMBING FIXTURES, BATH ACCESSORIES, DRINKING FOUNTAINS, WALL HUNG COUNTERS AND CABINETRY, AUDIO SPEAKERS, ETC..
6. WHERE EXTERIOR WALLS EXTEND UP TO BOTTOM OF ROOF DECK AND ABOVE FINISHED CEILINGS, EXPOSED SPRAY FOAM INSULATION SHALL BE COATED PER SPECIFICATIONS.
7. NOTE: AT ALL WALL AND CEILING AREAS IN SANCTUARY A27, PROVIDE ONE ADDITIONAL LAYER OF 5/8" GYPSUM BOARD FOR A TOTAL OF (2) WHERE NOT ALREADY INDICATED.
8. SEE WALL SECTIONS SHEET A7.1 FOR LOCATIONS OF STONE WATERTABLES IN CLAY MASONRY WALLS. COORDINATE WITH EXTERIOR ELEVATIONS.
9. SEE INTERIOR FINISH SCHEDULE FOR LOCATIONS OF WALL TILE, BASE, ETC. WHICH ARE IN ADDITION TO COMPONENTS SHOWN IN WALL TYPES.



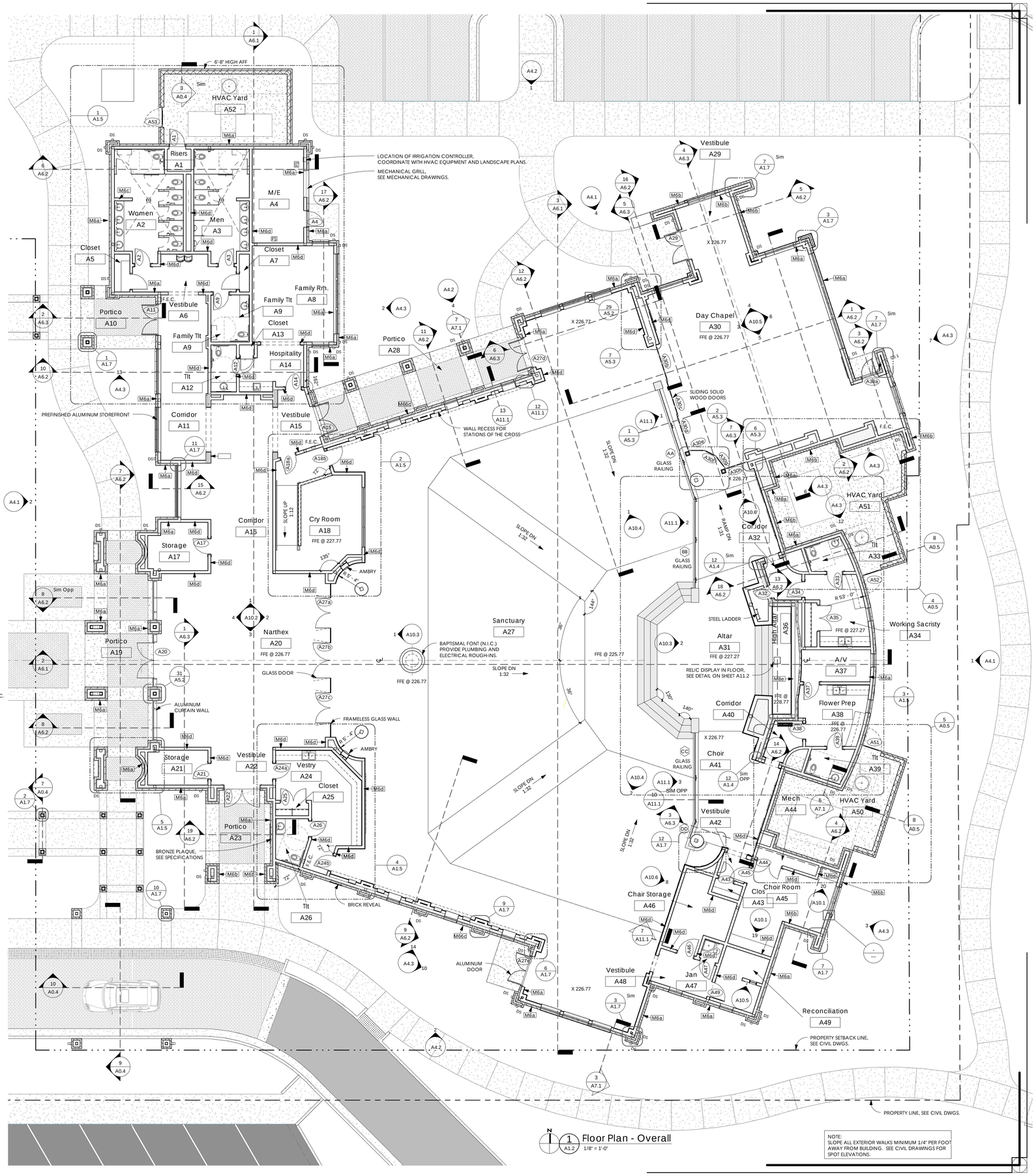


2 Exterior Wall Types
A1.2 — 1" = 1'-0"





3 Interior Wall Types
A1.2 — 1" = 1'-0"



1 Floor Plan - Overall
A1.2 — 1/8" = 1'-0"

NOTE:
SLOPE ALL EXTERIOR WALKS MINIMUM 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DRAWINGS FOR SPOT ELEVATIONS.

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Floor Plan Overall

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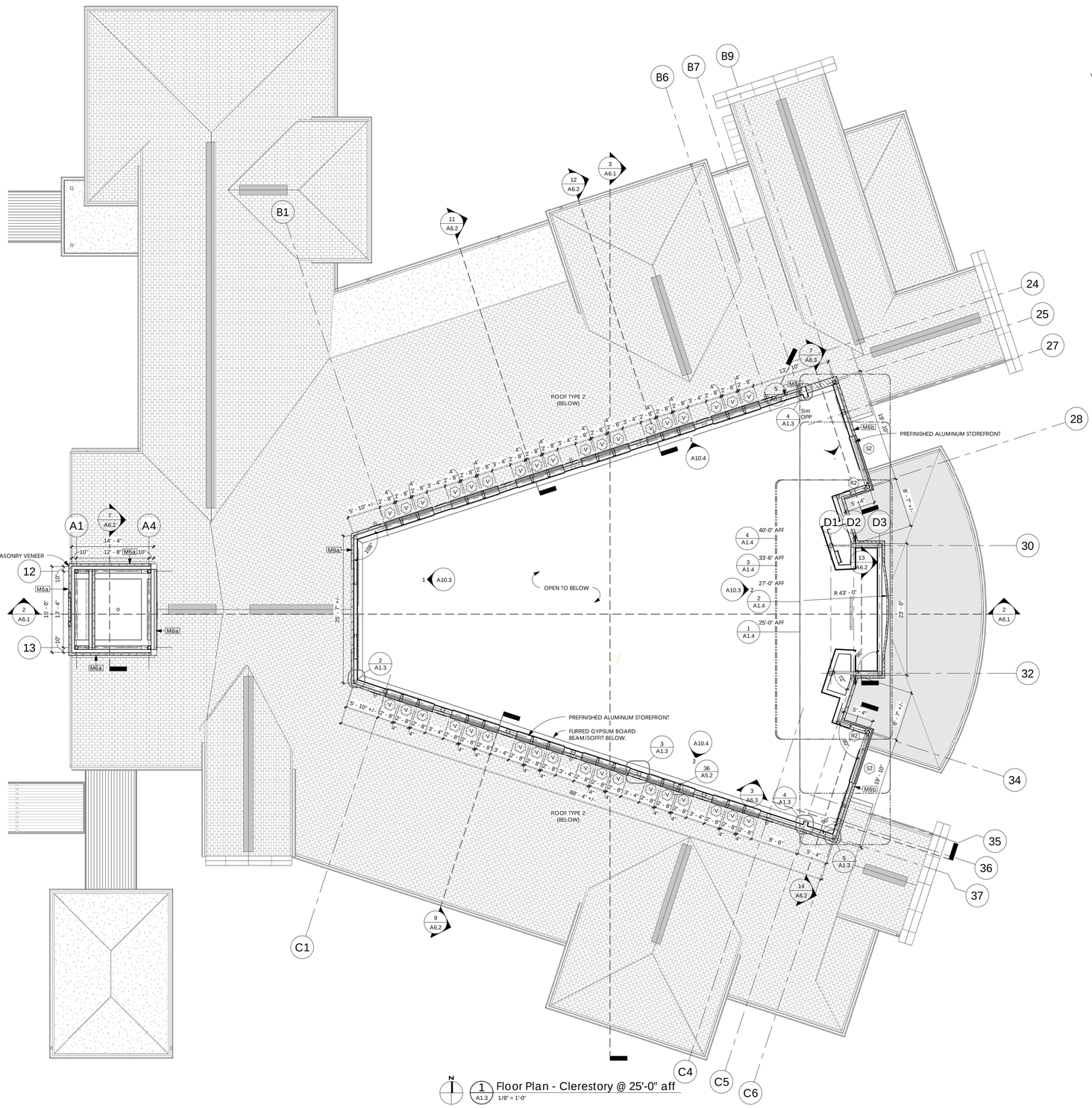
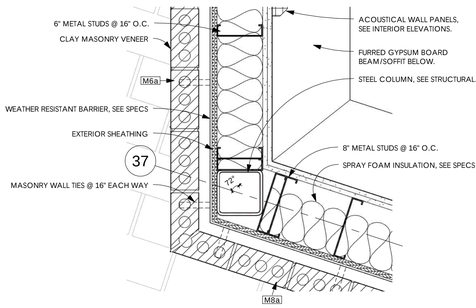
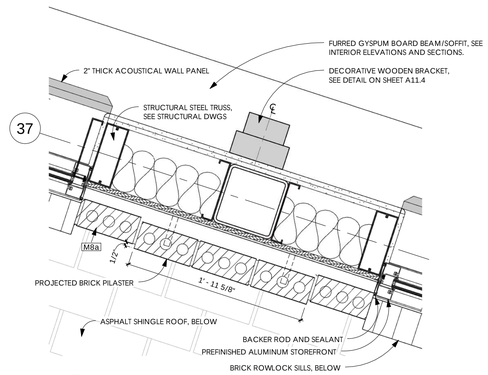


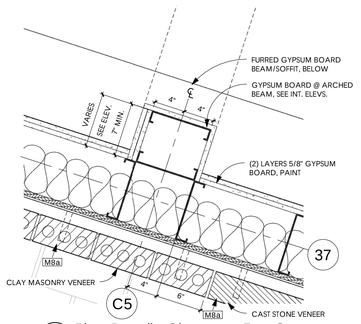
1 A1.3 Floor Plan - Clerestory @ 25'-0" aff
1/8" = 1'-0"



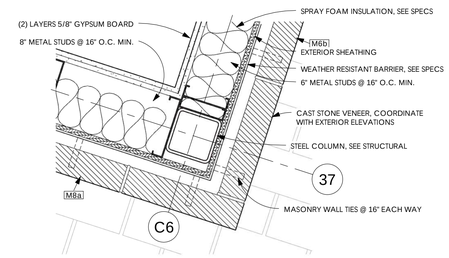
2 A1.3 Plan Detail - Clerestory Angled Corner
1 1/2" = 1'-0"



3 A1.3 Plan Detail - Clerestory Pilaster
1 1/2" = 1'-0"



4 A1.3 Plan Detail - Clerestory Furr-Out
1 1/2" = 1'-0"



5 A1.3 Plan Detail - Clerestory Square Corner
1 1/2" = 1'-0"

NOTE:
ROOF PLAN SHOWN FOR REFERENCE ONLY. SEE SHEET A3.1 FOR DETAILED INFORMATION ON ROOF.

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Floor Plan Clerestory

SHEET NUMBER A1.3

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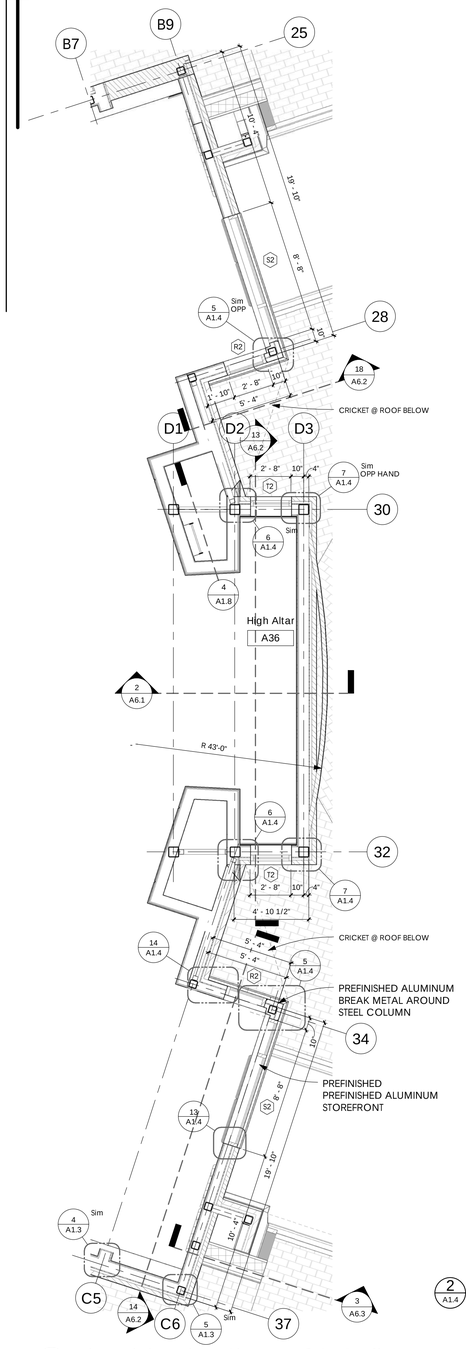
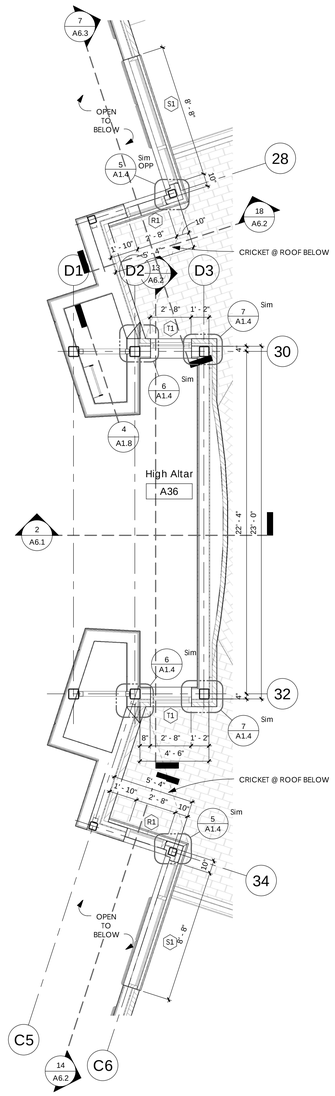
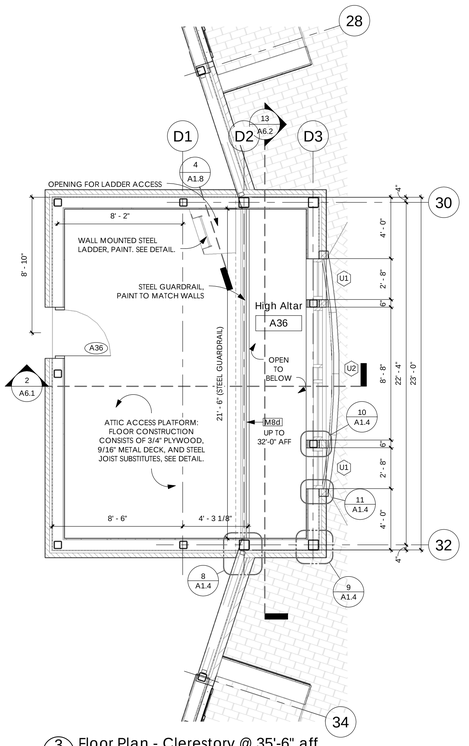


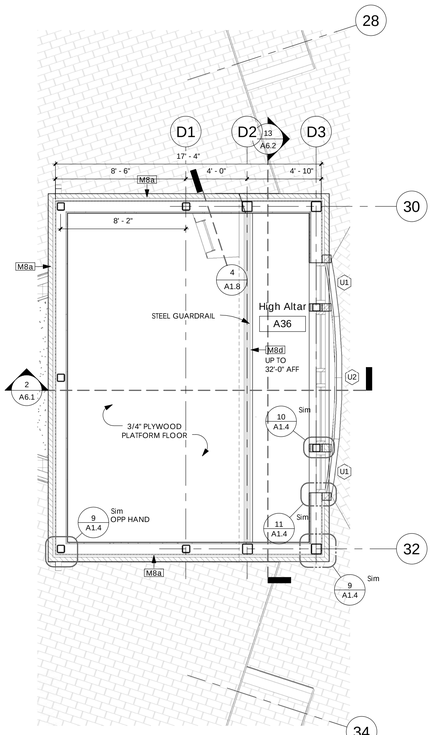
1 Enlarged Floor Plan - Clerestory @ 25'-0" aff
A1.4 1/4" = 1'-0"



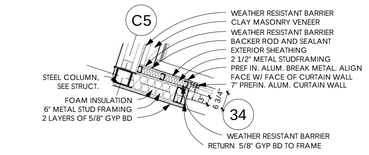
2 Floor Plan - Clerestory @ 30'-0" aff
A1.4 1/4" = 1'-0"



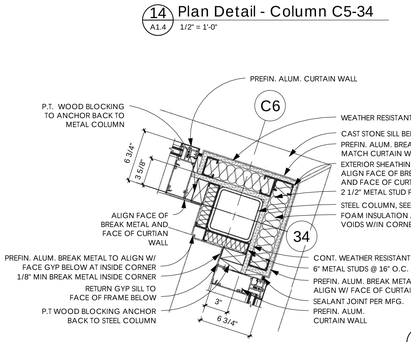
3 Floor Plan - Clerestory @ 35'-6" aff
A1.4 1/4" = 1'-0"



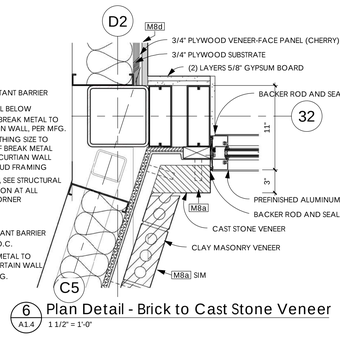
4 Floor Plan - Clerestory @ 42'-0" aff
A1.4 1/4" = 1'-0"



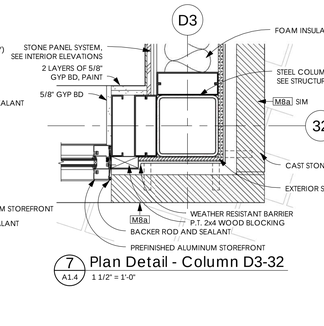
14 Plan Detail - Column C5-34
A1.4 1/2" = 1'-0"



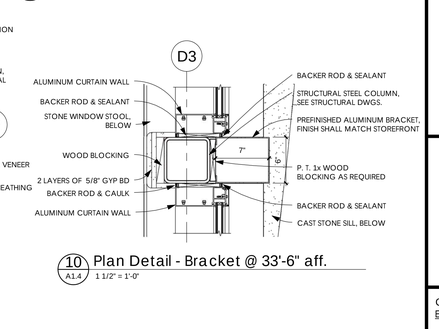
5 Plan Detail - Column C6-34
A1.4 1 1/2" = 1'-0"



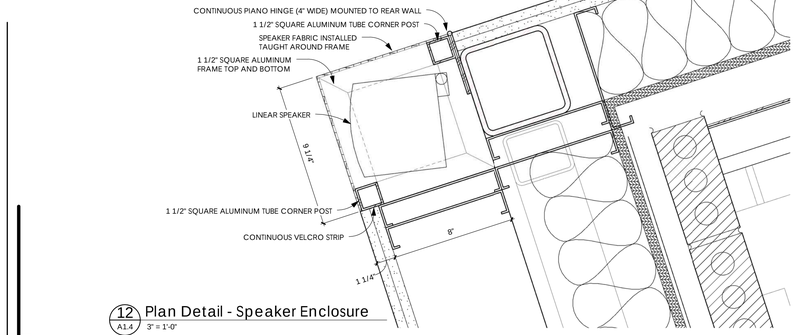
6 Plan Detail - Brick to Cast Stone Veneer
A1.4 1 1/2" = 1'-0"



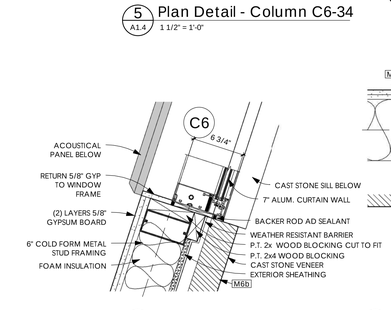
7 Plan Detail - Column D3-32
A1.4 1 1/2" = 1'-0"



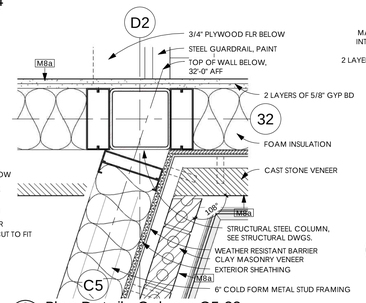
10 Plan Detail - Bracket @ 33'-6" aff.
A1.4 1 1/2" = 1'-0"



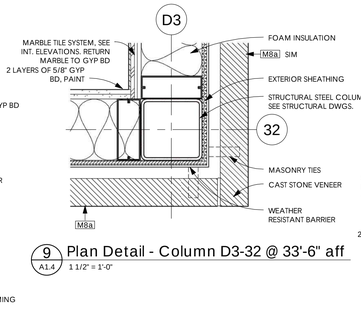
12 Plan Detail - Speaker Enclosure
A1.4 3" = 1'-0"



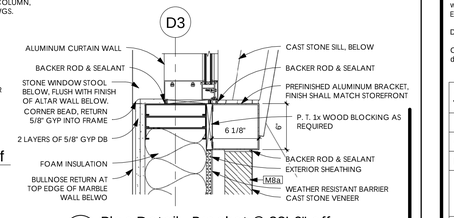
13 Plan Detail
A1.4 1 1/2" = 1'-0"



8 Plan Detail - Column C5-32
A1.4 1 1/2" = 1'-0"



9 Plan Detail - Column D3-32 @ 33'-6" aff
A1.4 1 1/2" = 1'-0"



11 Plan Detail - Bracket @ 33'-6" aff
A1.4 1 1/2" = 1'-0"

2/24/2012 12:46:45 PM

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Floor Plan Clerestory

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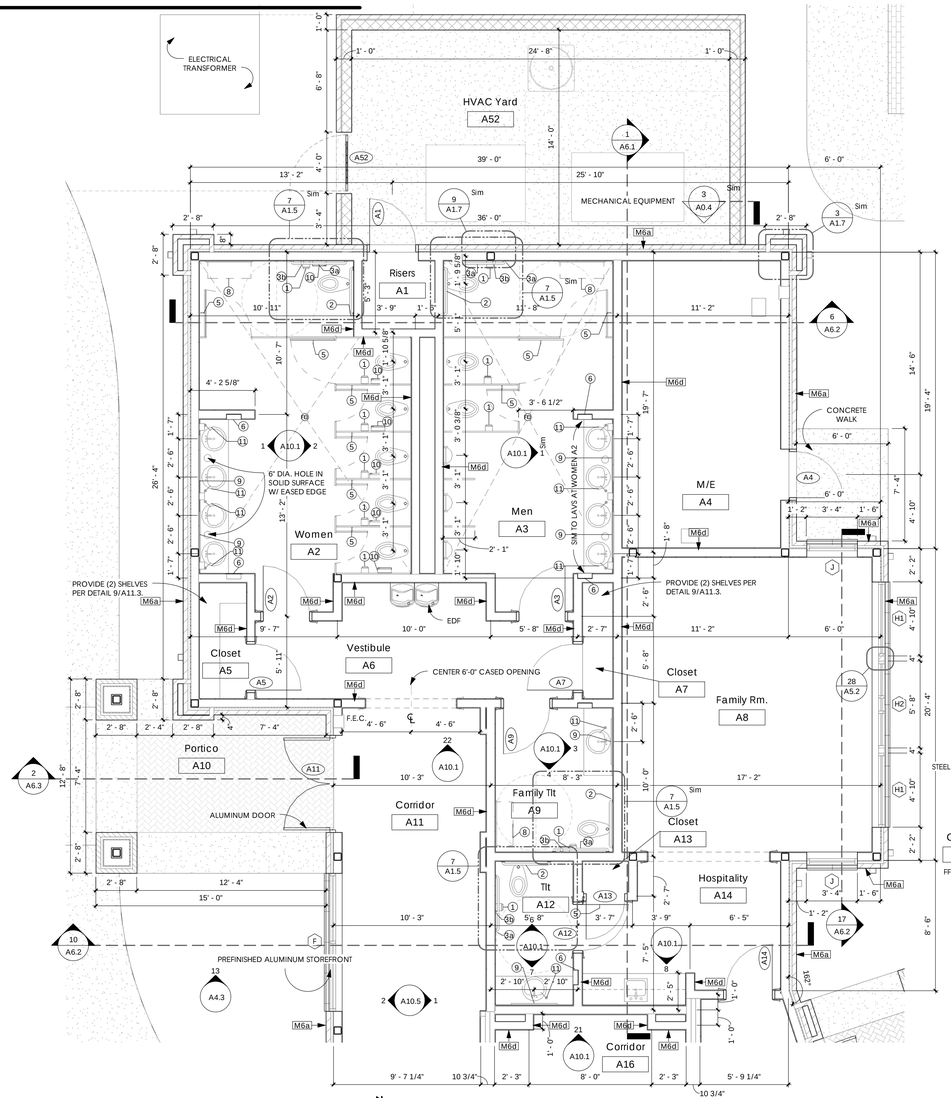
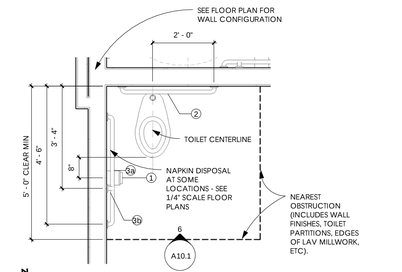
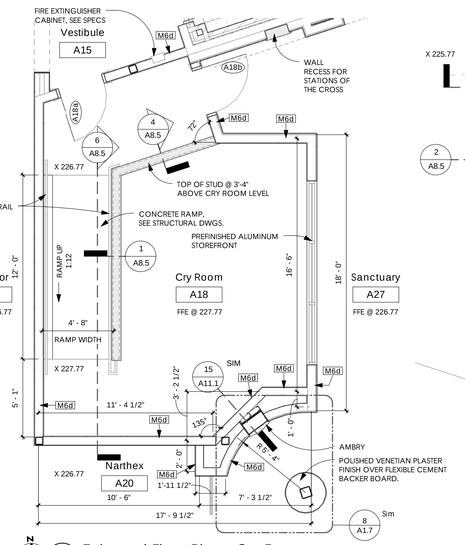


1 A1.5 Enlarged Floor Plan - Restrooms
1/4" = 1'-0"

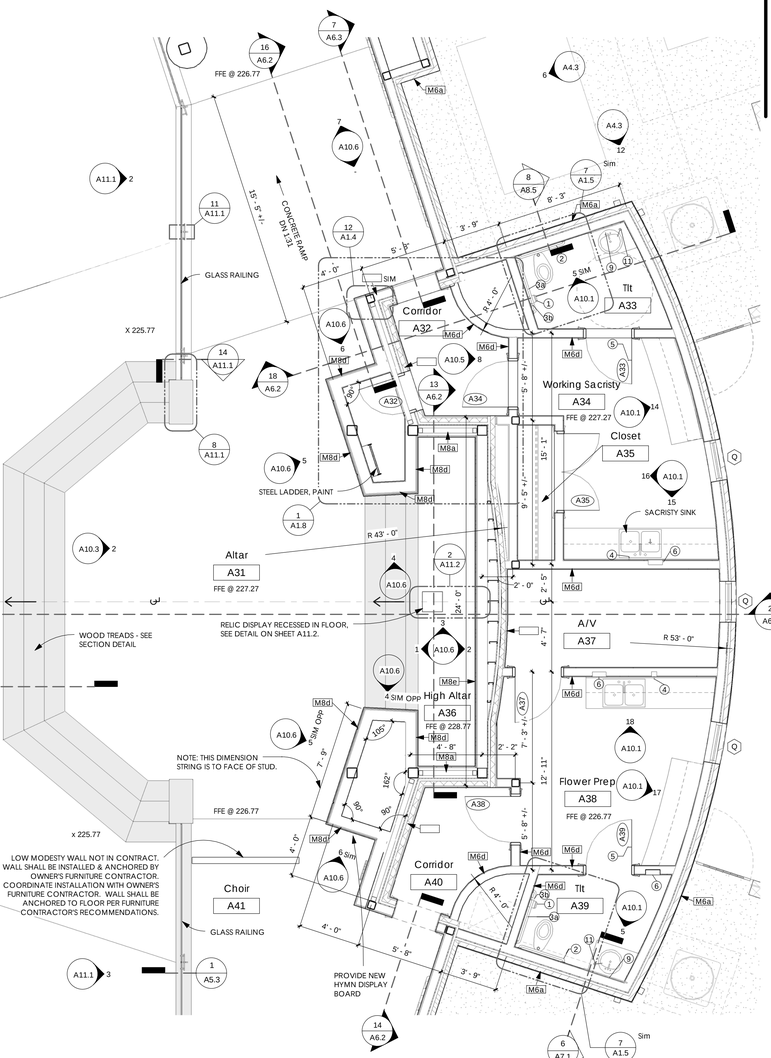


7 A1.5 Enlarged Floor Plan - Typ Config @ Grab Bars
1/2" = 1'-0"

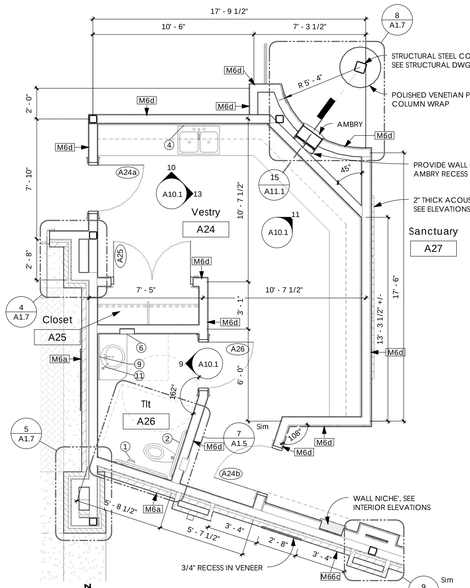
*NOTE: TYPICAL & SIMILAR AT ALL LOCATIONS WITH TOILETS AND GRAB BARS



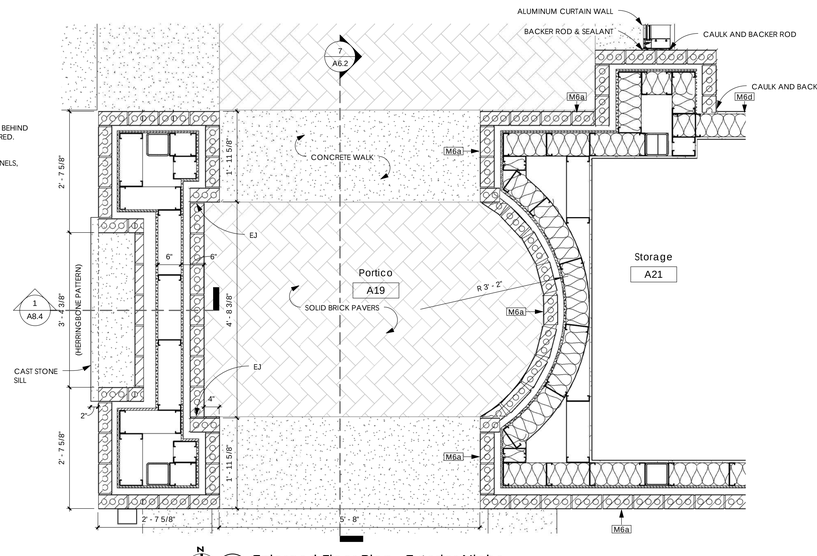
2 A1.5 Enlarged Floor Plan - Cry Room
1/4" = 1'-0"



3 A1.5 Enlarged Floor Plan - High Altar
1/4" = 1'-0"



4 A1.5 Enlarged Floor Plan - Vestry
1/4" = 1'-0"



5 A1.5 Enlarged Floor Plan - Exterior Niche
3/4" = 1'-0"

RESTROOM ACCESSORY SCHEDULE				
MARK	DESCRIPTION	MOUNTING HEIGHT	MANUFACTURER	MODEL No.
1	Toilet Tissue Dispenser		Bradley Corporation	5402
2	Grab Bars	33-36" AFF	Bradley Corporation	8120-001360
3a	Grab Bars	33-36" AFF	Bradley Corporation	8120-001420
3b	Grab Bars	Position Btm 3" Above 3a	Bradley Corporation	8120-001180
4	Soap Dispenser		Bradley Corporation	646
5	Robe Hook & Bumper	3'-10" AFF at HC Stalls. 5'-4" AFF at Non-HC Stalls	Bradley Corporation	915 BradEX
6	Towel Dispenser Rcessed Paper		Bradley Corporation	2443
7	Mop-Broom Holder w/4 Holders 36" W	5'-8" AFF to Holding Mechanisms	Bradley Corporation	9954 BradEX
8	Baby Changing Station	2'-10" AFF to Top of Unfolded Table	Bradley Corporation	962
9				
10	Napkin Disposal, 1.5 Gallons, Semi-Recessed	Align Btm w/ Top of Toilet Seat	Bradley Corporation	4722-1015
11	Lavatory-Mounted Soap Dispenser		Bradley Corporation	6326-67

RESTROOM ACCESSORY NOTES

1. EQUAL ACCESSORIES FROM BOBRICK SHALL BE ACCEPTABLE.
2. PROVIDE ADEQUATE BLOCKING IN WALLS TO SUPPORT RESTROOM ACCESSORIES AS REQUIRED.

TOILET PARTITION NOTES

1. TOILET PARTITIONS SHALL BE FLOOR MOUNTED & OVERHEAD BRACED.
2. URINAL PARTITIONS SHALL BE WALL MOUNTED.
3. PARTITIONS SHALL EXTEND FROM 12" AFF TO MIN 5'-8" AFF WITH OVERHEAD BRACING AT APPROX 85" AFF.
4. INWARD SWINGING TOILET PARTITION DOORS SHALL BE 2'-0" WIDE UNLESS NOTED OTHERWISE.
5. INWARD SWINGING TOILET PARTITION DOORS AT HANDICAPPED/ ACCESSIBLE STALLS SHALL BE 3'-0" WIDE, TYP.
6. OUTWARD SWINGING TOILET PARTITION DOORS SHALL BE 2'-10" WIDE, MIN.

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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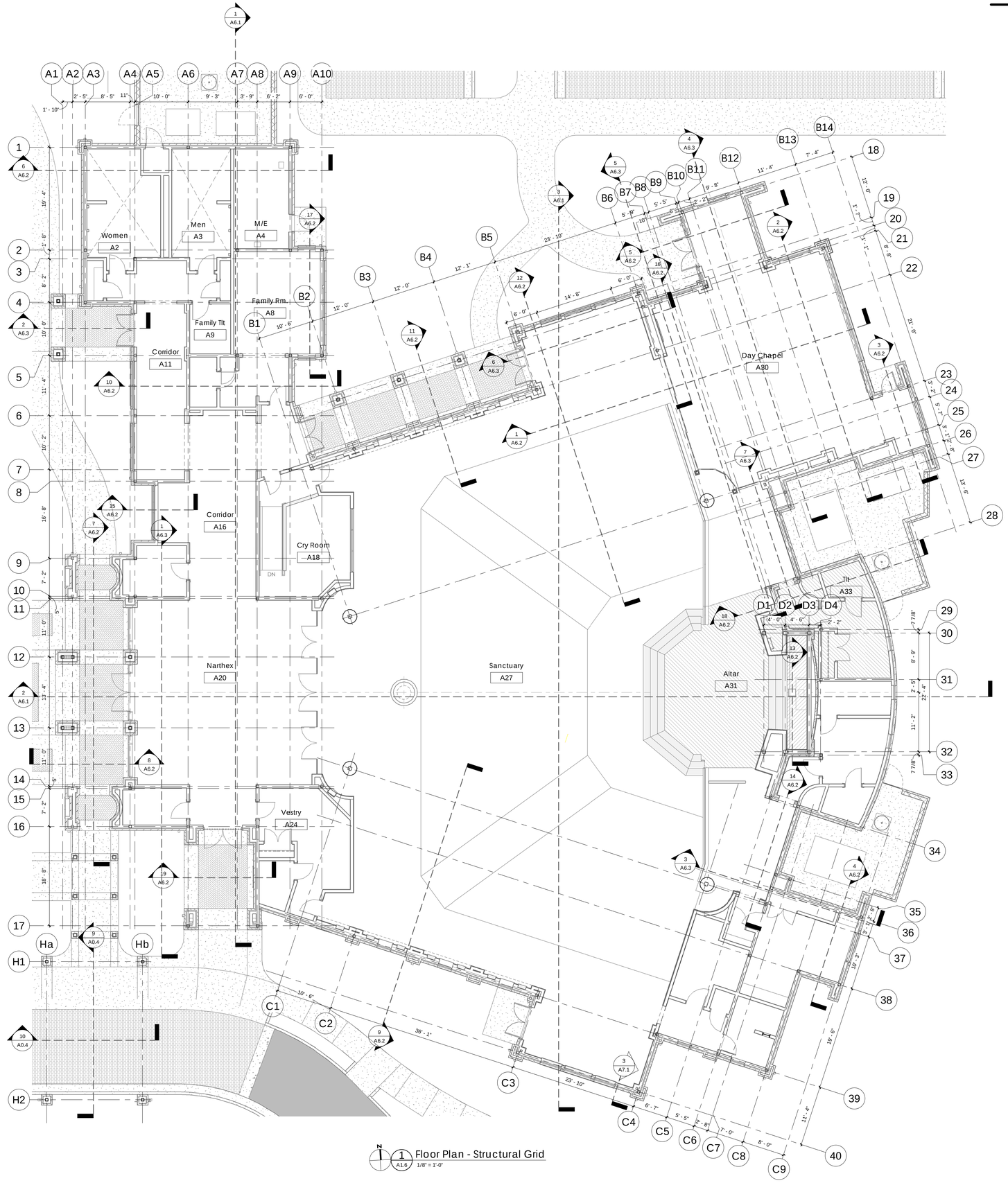
Enlarged Floor Plans

SHEET NUMBER A1.5

2/24/2012 12:46:56 PM



N

1 A1.6 Floor Plan - Structural Grid
1/8" = 1'-0"

NOTE:
THIS SHEET PROVIDED FOR REFERENCE PURPOSES ONLY. SEE STRUCTURAL DRAWINGS FOR COLUMN GRID LOCATIONS.

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Structural Grid Layout

SHEET NUMBER A1.6

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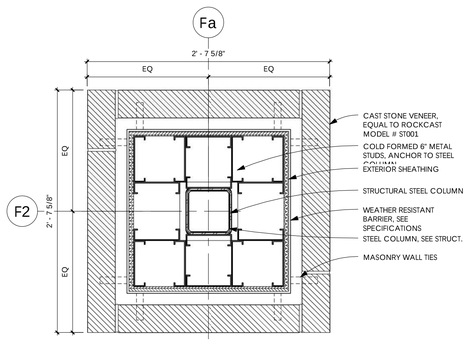
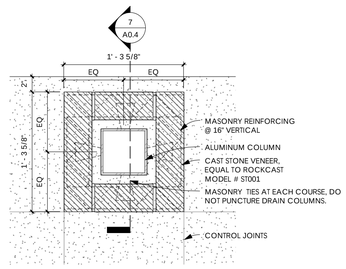
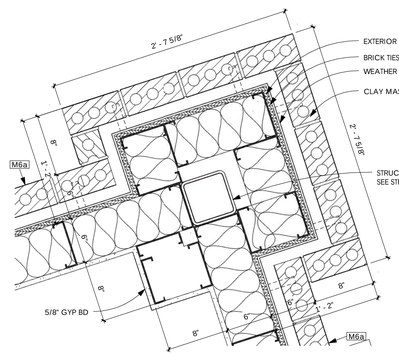


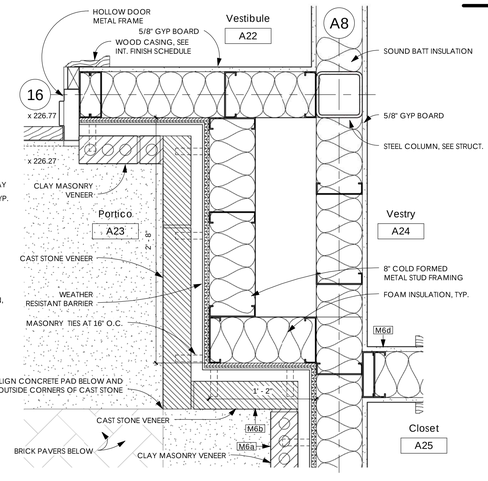
1 A1.7 Plan Detail - Column F2-Fa
1 1/2" = 1'-0"



2 A1.7 Plan Detail - Aluminum Canopy Column
1 1/2" = 1'-0"



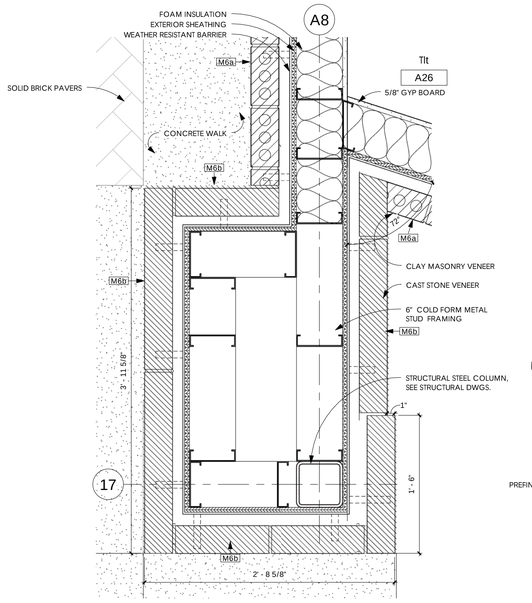
3 A1.7 Plan Detail - Brick Corner
1 1/2" = 1'-0"



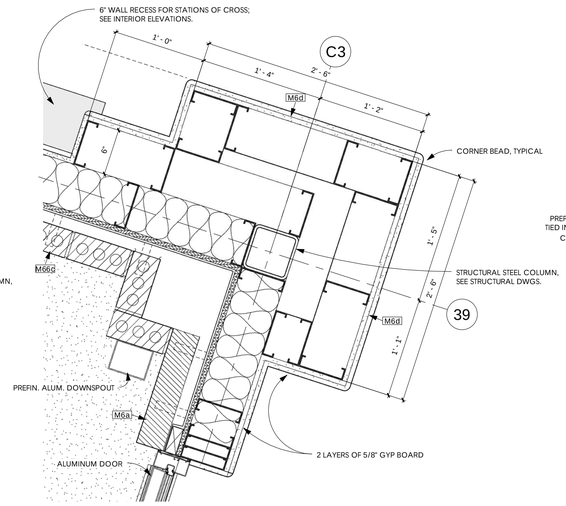
4 A1.7 Plan Detail - Column A8-16
1 1/2" = 1'-0"

PLAN DETAIL NOTES

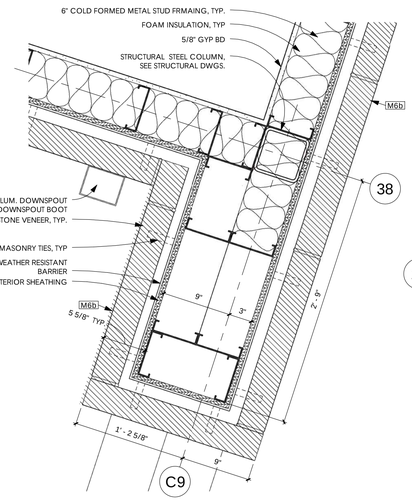
1. ENLARGED PLANS/ PLAN DETAILS DO NOT SHOW ALL EXPANSION JOINTS AND CONTROL JOINTS. FOR A FULL DESCRIPTION OF EXPANSION AND CONTROL JOINT LOCATIONS & SCOPE, SEE ALL EXTERIOR ELEVATION VIEWS, SECTIONS BEYOND, AND ENLARGED PLANS.



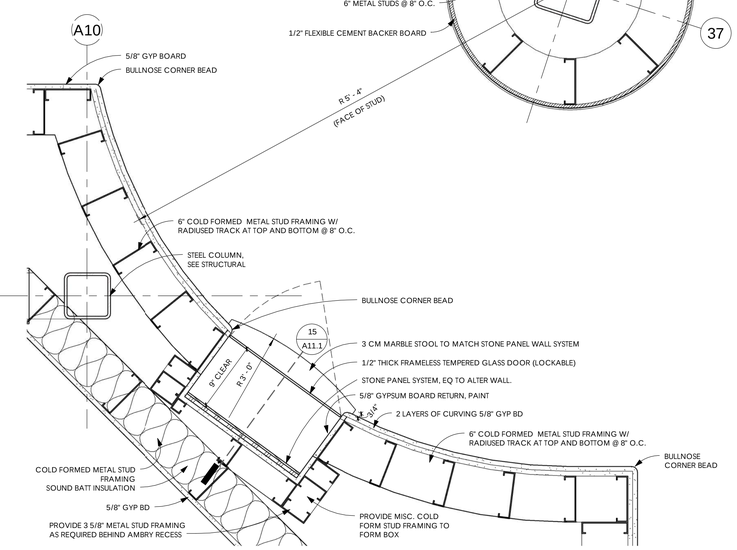
5 A1.7 Plan Detail - Column A8-17
1 1/2" = 1'-0"



6 A1.7 Plan Detail - Corner Pilaster
1 1/2" = 1'-0"

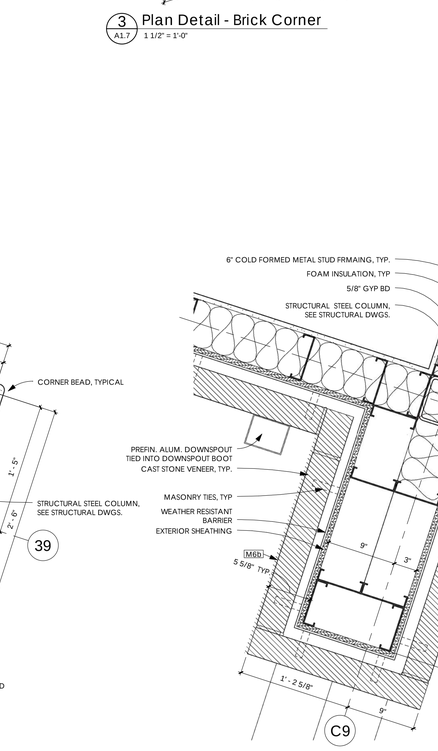


7 A1.7 Plan Detail - Wing Wall
1 1/2" = 1'-0"

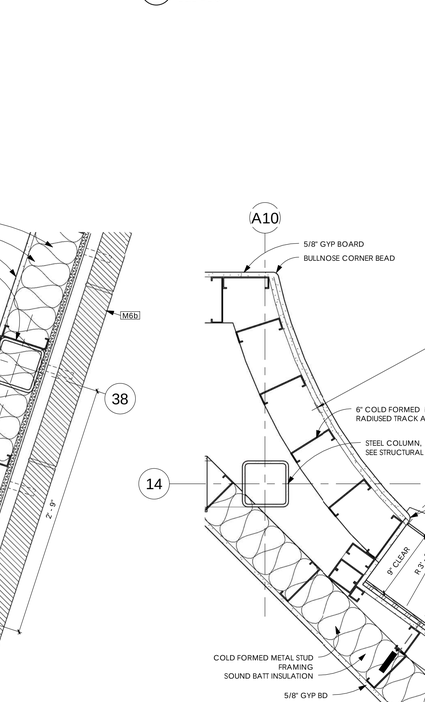


8 A1.7 Plan Detail - Venetian Plaster Column Wrap & Ambry
1 1/2" = 1'-0"

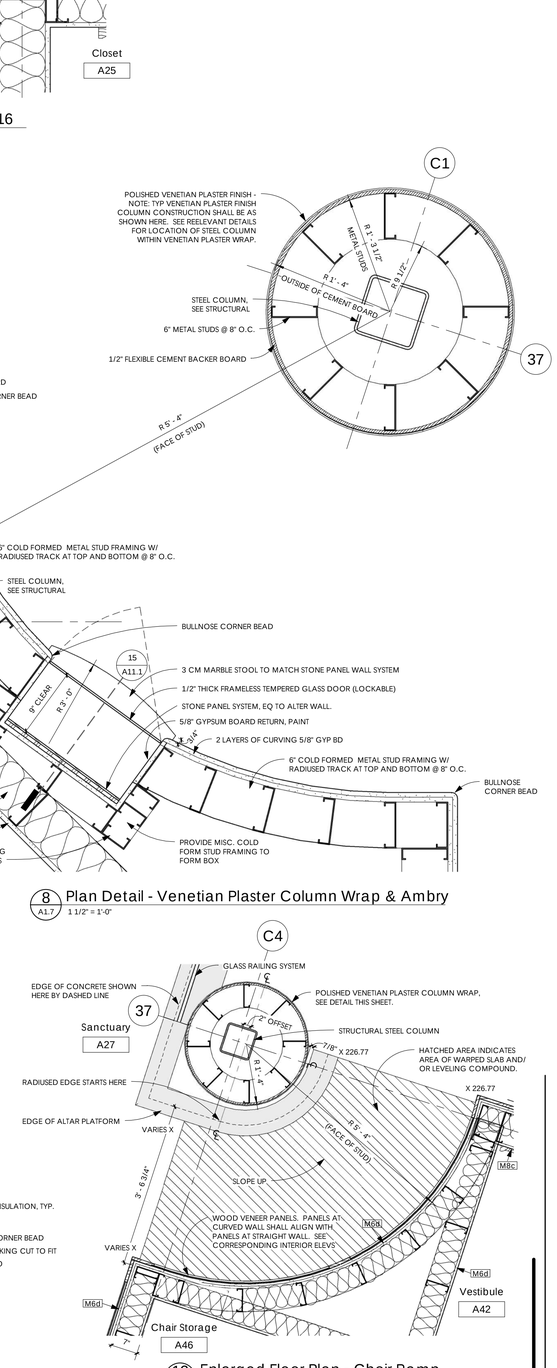
9 A1.7 Plan Detail - Pilaster @ Sanctuary
1 1/2" = 1'-0"



10 A1.7 Plan Detail - Steel Canopy Column
1 1/2" = 1'-0"



11 A1.7 Plan Detail - Corridor A16
1 1/2" = 1'-0"



12 A1.7 Enlarged Floor Plan - Choir Ramp
3/4" = 1'-0"

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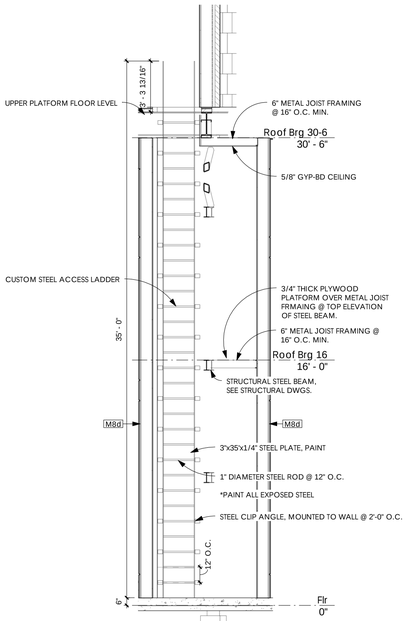
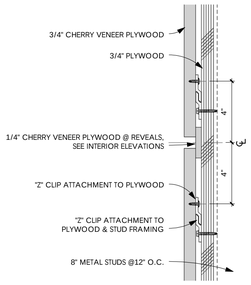
PLAN DETAIL NOTES

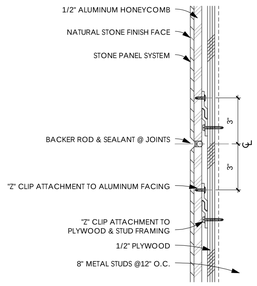
1. ENLARGED PLANS/ PLAN DETAILS DO NOT SHOW ALL EXPANSION JOINTS AND CONTROL JOINTS. FOR A FULL DESCRIPTION OF EXPANSION AND CONTROL JOINT LOCATIONS & SCOPE, SEE ALL EXTERIOR ELEVATION VIEWS, SECTIONS BEYOND, AND ENLARGED PLANS.



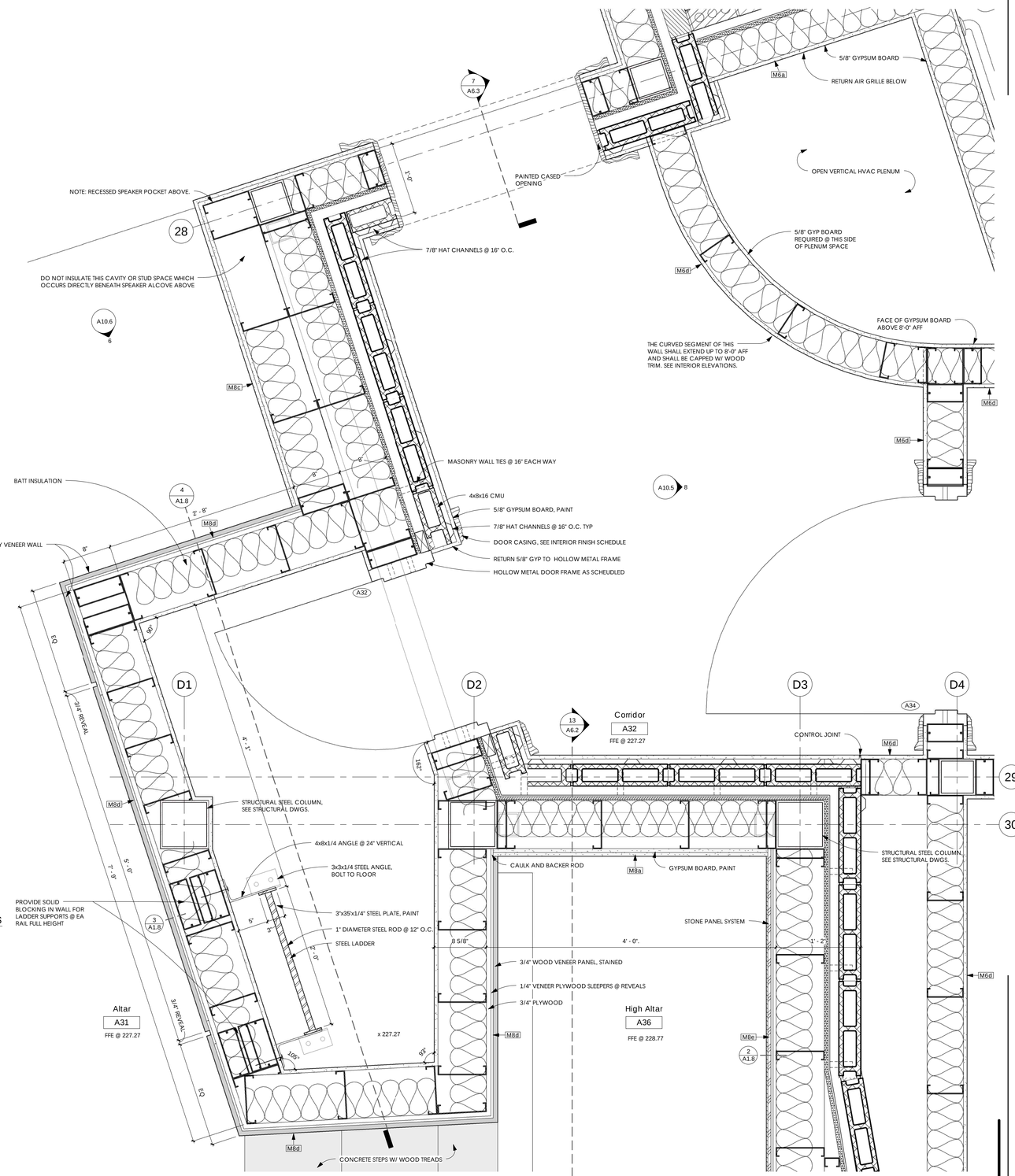
4 A1.8 Detail - Steel Ladder
1/4" = 1'-0"



3 A1.8 Detail - Cherry Veneer Plywood Panels
3" = 1'-0"



2 A1.8 Detail - Stone Panel System
3" = 1'-0"



1 A1.8 Plan Detail - Wood Paneled Wall
1 1/2" = 1'-0"

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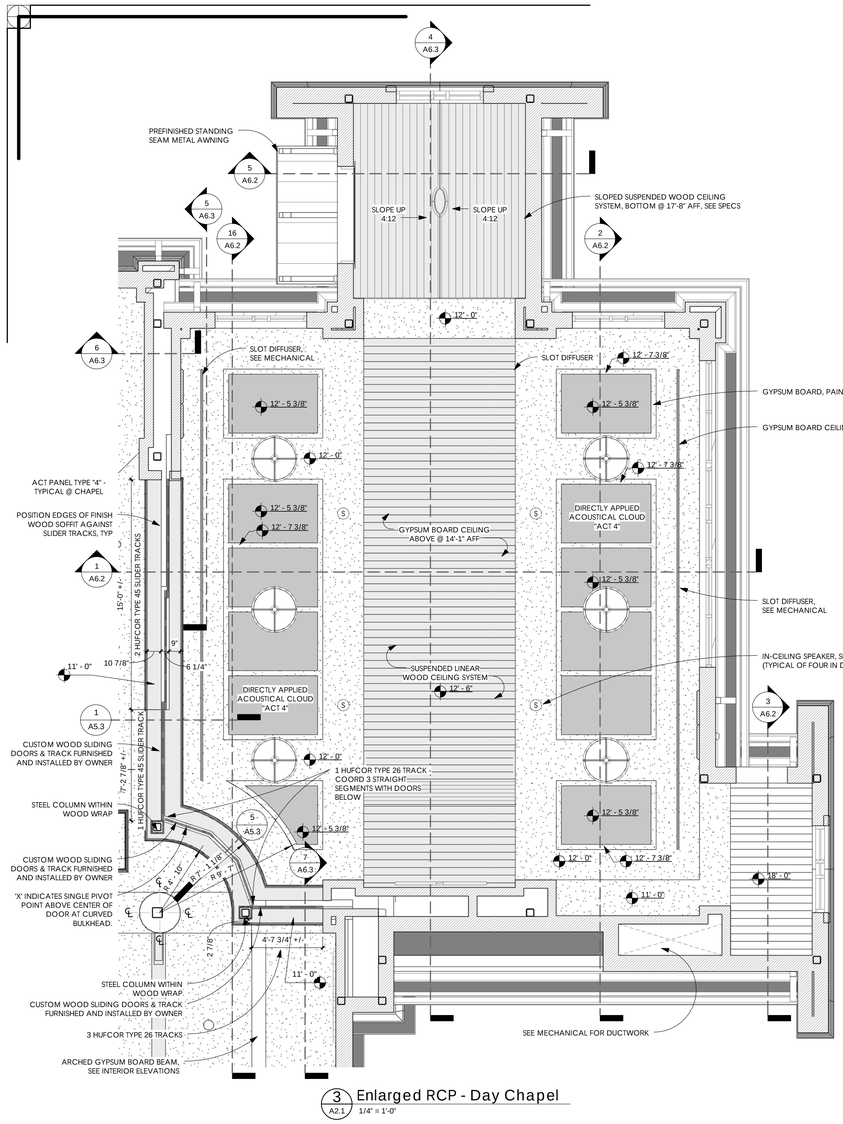
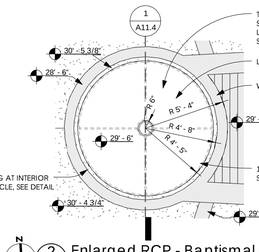
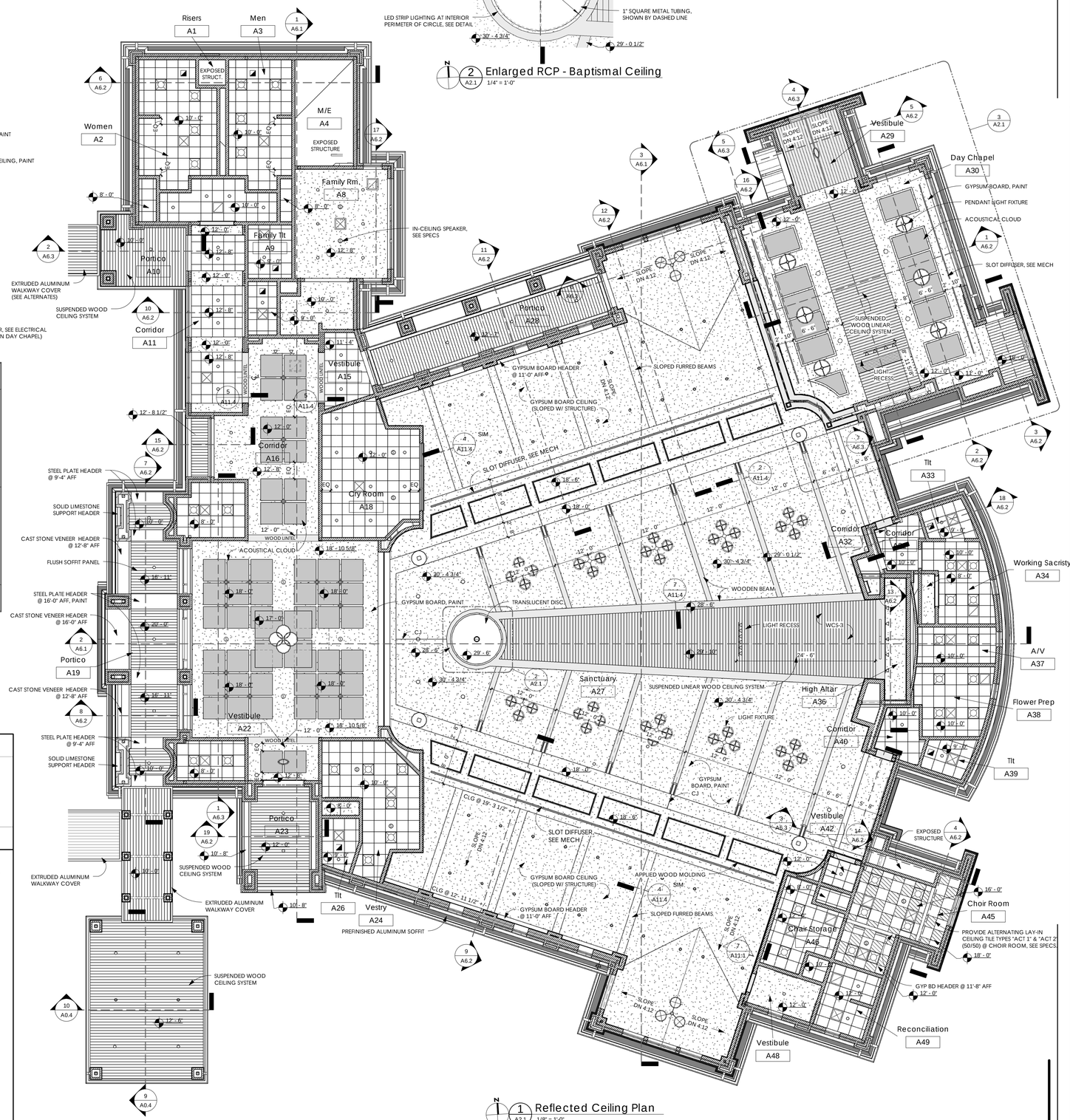


3 A2.1 Enlarged RCP - Day Chapel
1/4" = 1'-0"



2 A2.1 Enlarged RCP - Baptismal Ceiling
1/4" = 1'-0"



1 A2.1 Reflected Ceiling Plan
1/8" = 1'-0"

NOTES

1. COORDINATE ALL LIGHT FIXTURE PLACEMENT WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS.
2. ALL WALL MOUNTED LIGHT FIXTURES SHALL BE CENTERED ABOVE LAVATORIES.
3. BOTC = BOTTOM OF TRUSS CHORD
4. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF EMERGENCY EXIT LIGHTS.
5. REFER TO ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS FOR LOCATIONS OF WALL MOUNTED SCONCES.
6. WHERE HUFCOR SLIDER TRACKS ARE SHOWN, TRACKS AND TRACK HARDWARE ARE BY OWNER. GC SHALL BE RESPONSIBLE FOR COORDINATING WITH OWNER'S MILLWORK/ FINISH CARPENTER FOR INSTALLATION OF TRACKS AND HARDWARE, INCLUDING ALL REQUIRED SUPPORT HARDWARE. WOOD SOFFITS & TRIM SURROUNDING HUFCOR TRACKS SHALL BE BY OWNER. GC AND OWNER'S FINISH CARPENTER SHALL COORDINATE TRACK SUPPORTS WITH HVAC SLOT DIFFUSER LOCATIONS TO AVOID CONFLICTS.

LEGEND

"ACT 3" 2'-0" X 2'-0" SUSPENDED ACOUSTICAL TILE CEILING IN PREFINISHED METAL GRID, SEE SPECIFICATIONS.

5/8" GYPSUM BOARD, PAINT

SUSPENDED WOOD CEILING SYSTEM, SEE SPECS

PREFINISHED ALUMINUM SOFFIT (TYPICAL AT ROOF EAVES)

PREFINISHED ALUMINUM FLUSH SOFFIT PANEL (TYPICAL AT CANOPY WALKS ONLY)

2'x2' FLUOURESCENT LAY-IN LIGHT FIXTURE, SEE ELECTRICAL

SURFACE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL

RECESSED LIGHT FIXTURE (INCANDESCENT), SEE ELECTRICAL

PLF, INTERIOR PENDANT LIGHT FIXTURE, SEE ELECTRICAL

PLF, INTERIOR PENDANT LIGHT FIXTURE, SEE ELECTRICAL

PLF, INTERIOR PENDANT LIGHT FIXTURE, SEE ELECTRICAL

PLF, INTERIOR PENDANT LIGHT FIXTURE, SEE ELECTRICAL

TRACK LIGHTING, SEE ELECTRICAL

HVAC SUPPLY DIFFUSER, SEE MECHANICAL

HVAC RETURN DIFFUSER, SEE MECHANICAL

EXHAUST FAN, SEE MECHANICAL

FRESH AIR GRILLE, SEE MECHANICAL

9'-4" AFF TYPICAL CEILING HEIGHT DESIGNATOR

"ACT 4" SUSPENDED FIBERGLASS ACOUSTICAL CLOUDS, SEE SPECS

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Reflected Ceiling Plan

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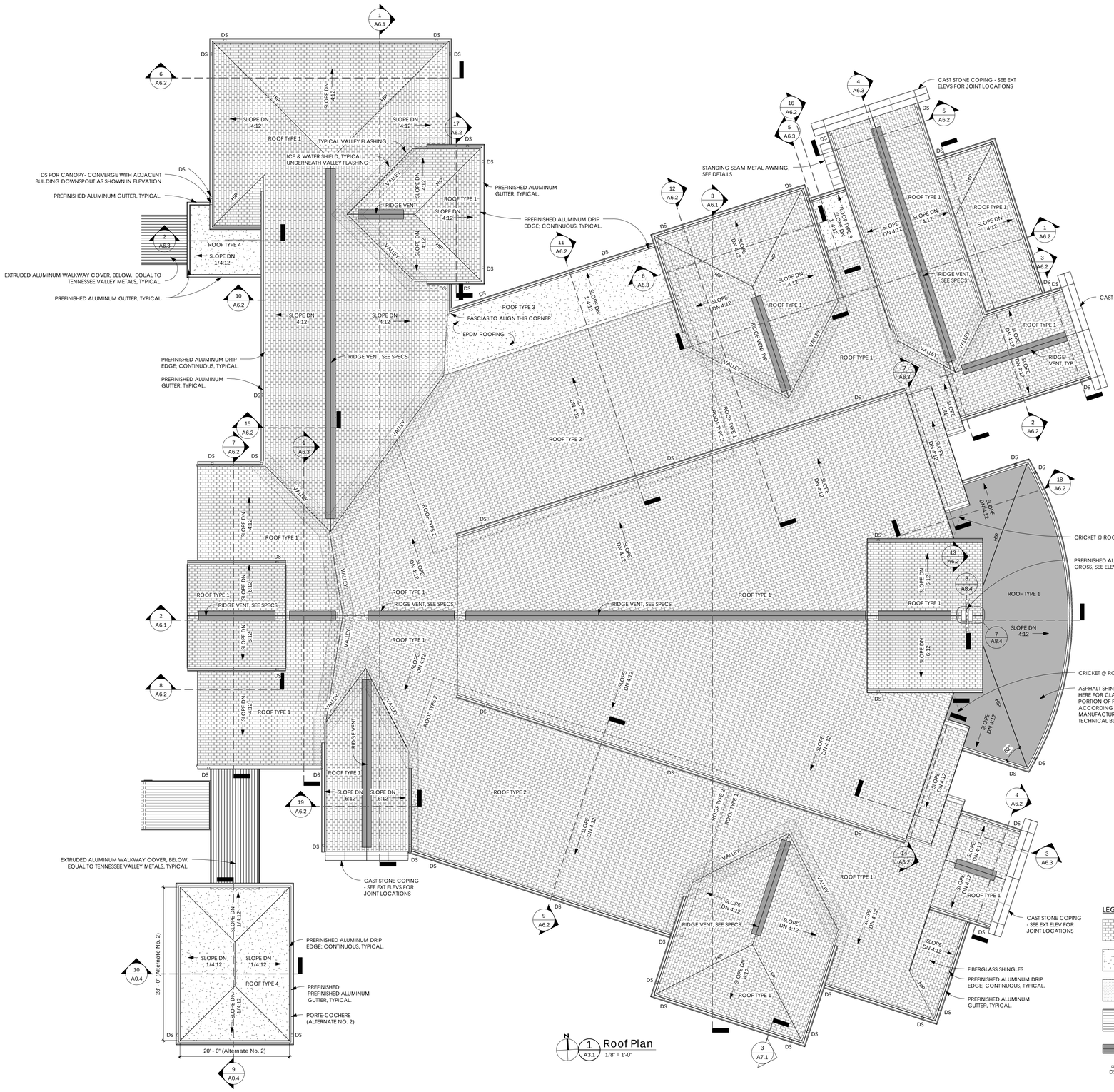
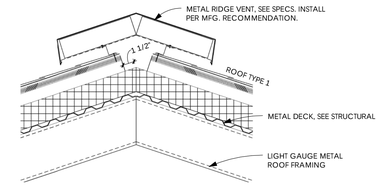
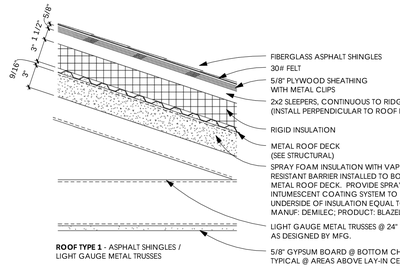


N

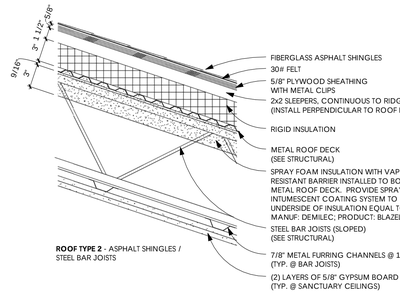
1 Roof Plan
A3.1 1/8" = 1'-0"



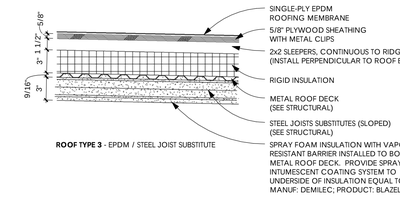
3 Detail - Typical Ridge Vent
A3.1 1 1/2" = 1'-0"



ROOF TYPE 1 - ASPHALT SHINGLES / LIGHT GAUGE METAL TRUSSES

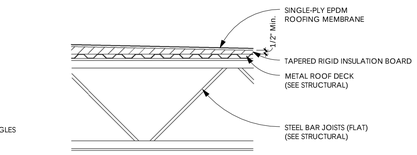


ROOF TYPE 2 - ASPHALT SHINGLES / STEEL BAR JOISTS



ROOF TYPE 3 - EPDM / STEEL JOIST SUBSTITUTE

* SEE RCP FOR CEILING CONDITIONS



ROOF TYPE 4 - EPDM / STEEL BAR JOISTS (TYPICAL @ PORTE-COCHERE)

2 Roof Types
A3.1 1 1/2" = 1'-0"

LEGEND

- DIMENSIONAL FIBERGLASS SHINGLES
- EPDM SINGLE-PLY ROOFING
- ICE & WATER SHIELD
- EXTRUDED ALUMINUM WALKWAY COVER
- RIDGE VENTING SYSTEM, SEE DETAILS & SPECS
- DS TYPICAL DOWNSPOUT LOCATION

COUNTER FLASHING NOTE:

- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
- INSTALL METAL FLASHING WITH BENT END TO PROVIDE FRICTION CONNECTION TO MASONRY
- INSTALL METAL FLASHING WITH POSITIVE SLOPE
- FILL SAWCUT WITH SEALANT

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Tuscaloosa, Alabama

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Roof Plan

SHEET NUMBER A3.1

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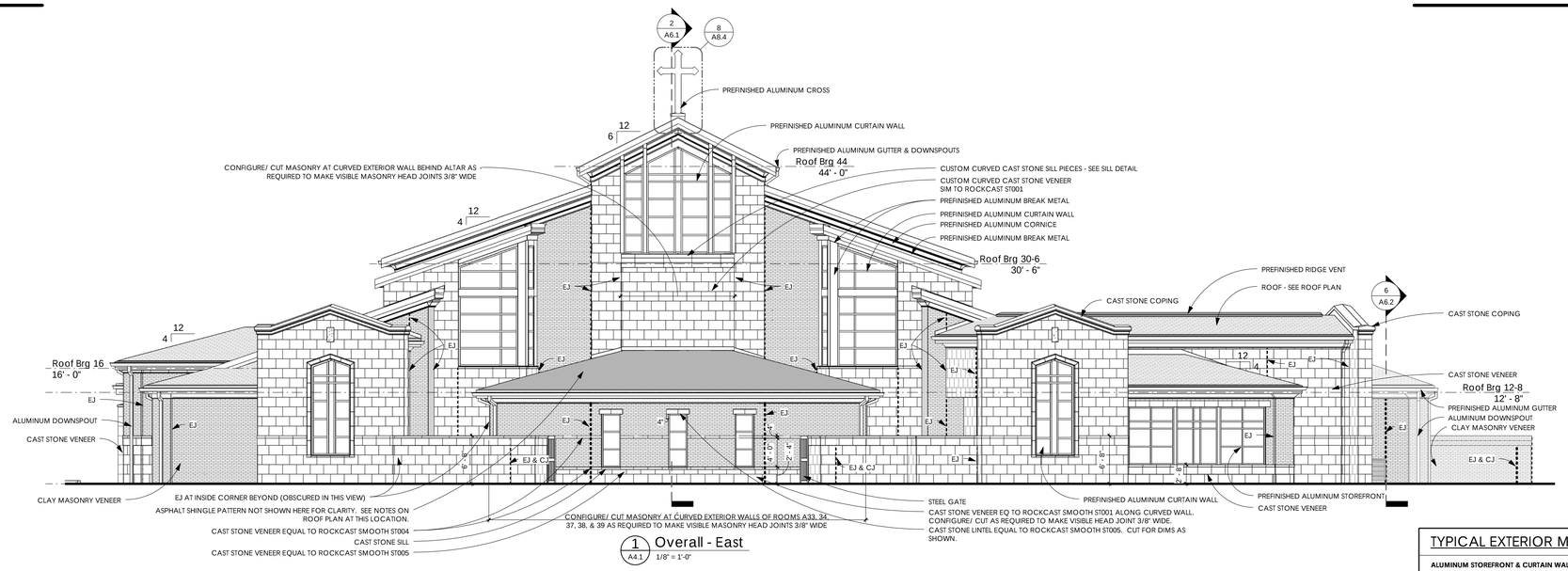
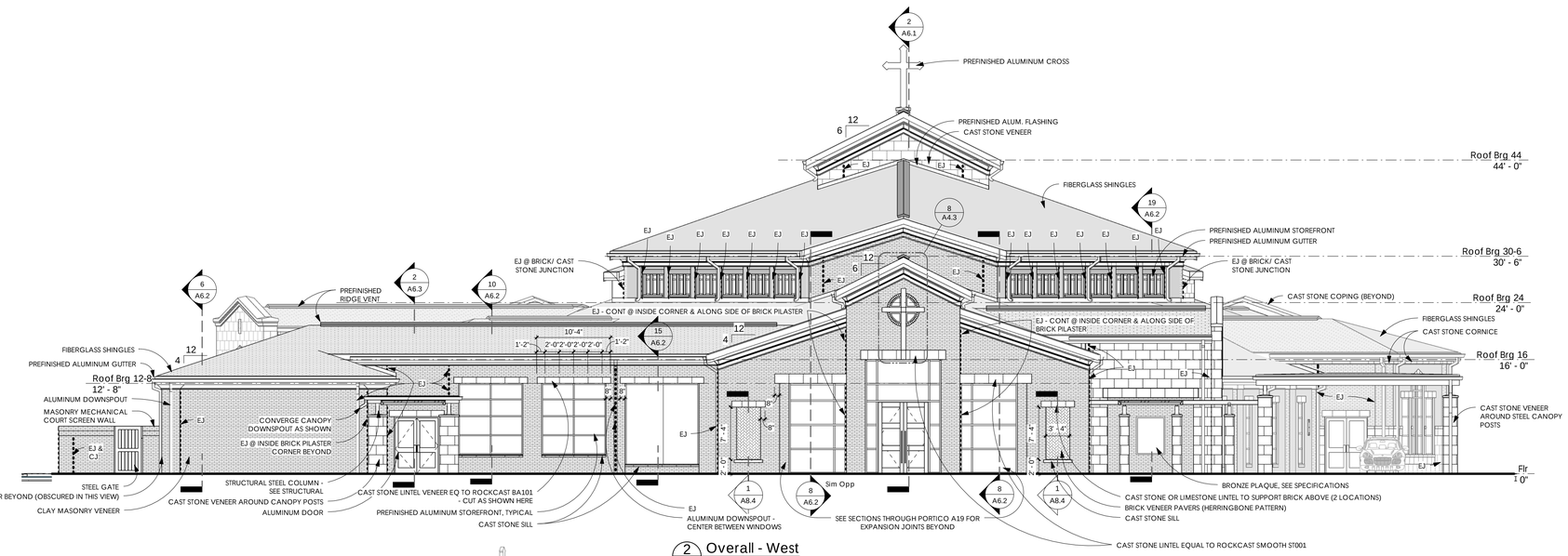
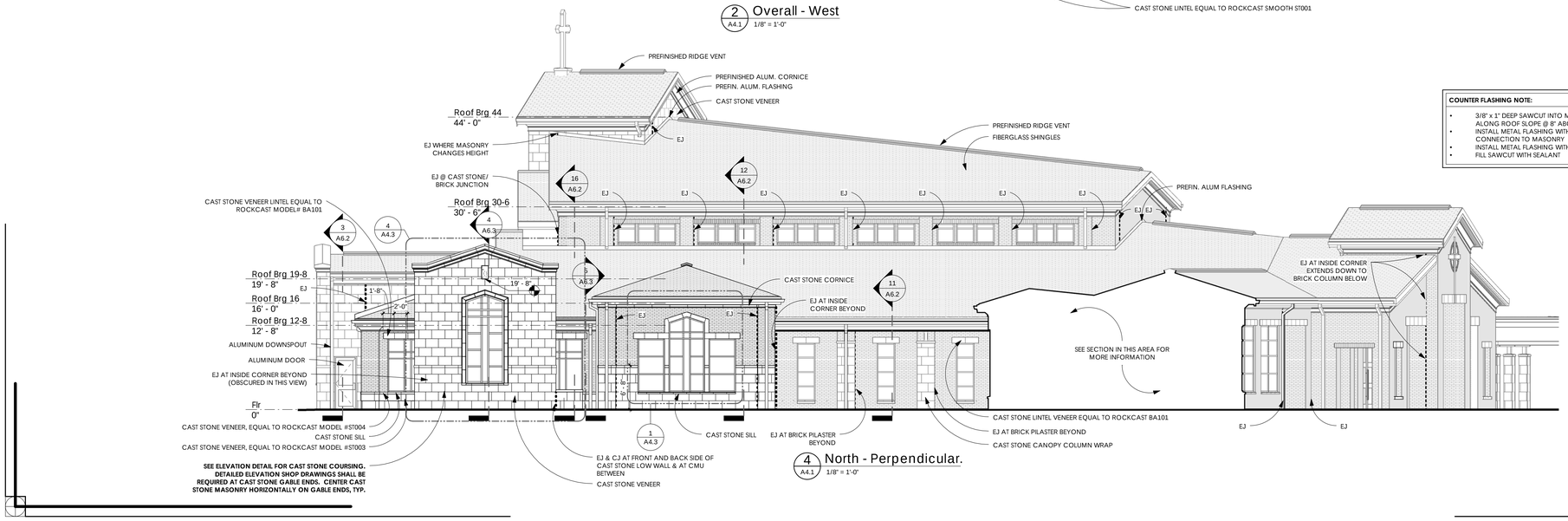


1 A4.1 **Overall - East**
1/8" = 1'-0"



2 A4.1 **Overall - West**
1/8" = 1'-0"



4 A4.1 **North - Perpendicular.**
1/8" = 1'-0"

TYPICAL EXTERIOR MATERIALS

ALUMINUM STOREFRONT & CURTAIN WALL - STONE WHITE
PREFIN ALUM SOFFIT - MATCH ALUM. CORNICE
PREFIN ALUM CORNICE - ASCOT (PERIMETER SYSTEMS SAF)
VENTED PREFIN ALUM FASCIA - MATCH STONE WHITE
PREFIN METAL RIDGE VENTS/ SYSTEM - MEDIUM BRONZE
PREFIN ALUM DRIP EDGES - MATCH ROOF
PREFIN ALUM CROSS - MATCH STONE WHITE
PAINTED STEEL TUBE COLUMNS - MATCH STONE WHITE
PREFIN ALUM AWNINGS/ POSTS/ CANOPIES - STONE WHITE
PREFIN ALUM GUTTERS & DOWNSPOUTS - MEDIUM BRONZE
PREFIN METAL WALL LOUVERS - MATCH MASONRY VENEER
FIBERGLASS SHINGLES - GAF "WEATHERED WOOD"
BRICK VENEER - COLUMBUS BRICK BURLINGTON
CAST STONE VENEER - ROCKCAST "BONE"
MORTAR @ CAST STONE - CITADEL "CREAM"
MORTAR @ BRICK VENEER - CITADEL "LIGHT BUFF"
EXTERIOR WOOD DOORS - SPANISH CEDAR (STAIN TO MATCH INTERIOR DOORS.)
VERTICAL EXPANSION JOINTS IN BRICK VENEER - MATCH BRICK
VERTICAL EXPANSION JOINTS IN CAST STONE VENEER - MATCH CAST STONE

EXTERIOR ELEVATION NOTES

1. MASONRY DIMENSIONS SHOWN ON EXTERIOR ELEVATIONS ARE NOMINAL UNLESS NOTED OTHERWISE.
2. SEE WINDOW HEAD, JAMB, AND SILL DETAILS FOR CAST STONE INFORMATION NOT LABELLED HERE.
3. CUT CAST STONE AS REQUIRED FOR LENGTHS AS SHOWN HERE.
4. EXPANSION JOINT (EJ) - FORMED BY LEAVING A CONTINUOUS UNOBSTRUCTED OPENING THROUGH THE BRICK WYTHE THAT SHALL BE FILLED WITH A HIGHLY COMPRESSIBLE MATERIAL. SEE SPECS.
5. CONTROL JOINT (CJ) - A VERTICAL GAP THROUGH THE CONCRETE MASONRY WYTHE. SEE SPECS.
6. SOME DOWNSPOUTS ARE SHOWN AS TRANSPARENT TO MAKE EXPANSION JOINTS AND CONTROL JOINTS VISIBLE.

EXTERIOR ELEVATION LEGEND

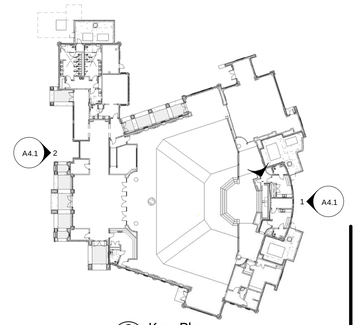
***NOTE: APPLIES TO 1/8" SCALE EXTERIOR ELEVATIONS**

CLAY MASONRY VENEER. RUNNING BOND.

CAST STONE VENEER EQ TO ROCKCAST SMOOTH ST001. RUNNING BOND. TYPICAL UNLESS NOTED OTHERWISE.

EXPANSION JOINT (EJ) AND/ OR CONTROL JOINT (CJ)
- SEE TYP VERTICAL EXPANSION JOINT DETAILS AT APPLICABLE LOCATIONS.
- MAY BE FULLY OR PARTIALLY OBSCURED BY BUILDING ELEMENTS IN SOME ELEVATION VIEWS. FOR A FULL DESCRIPTION OF EXPANSION & CONTROL JOINT LOCATIONS & SCOPE, SEE ALL EXTERIOR ELEVATION VIEWS, SECTIONS BEYOND, AND ENLARGED PLANS.
- SHALL BE CONTINUOUS VERTICALLY.

COUNTER FLASHING NOTE:
- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
- INSTALL METAL FLASHING WITH BENT END TO PROVIDE FRICTION CONNECTION TO MASONRY
- INSTALL METAL FLASHING WITH POSITIVE SLOPE
- FILL SAWCUT WITH SEALANT



3 A4.1 **Key Plan**
1" = 40'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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REGISTERED ARCHITECT

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Exterior Elevations

SHEET NUMBER A4.1

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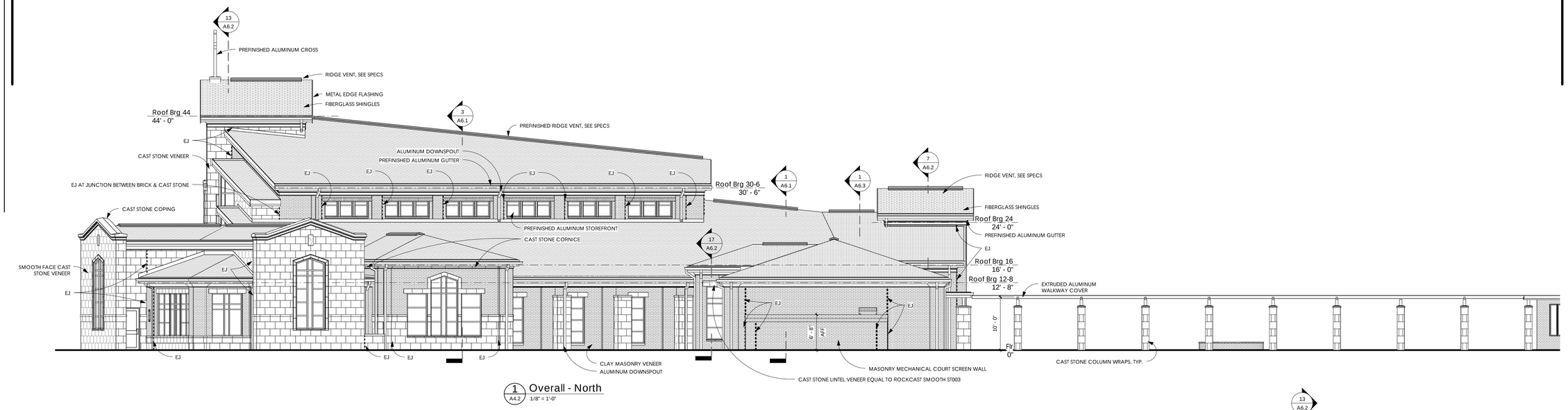
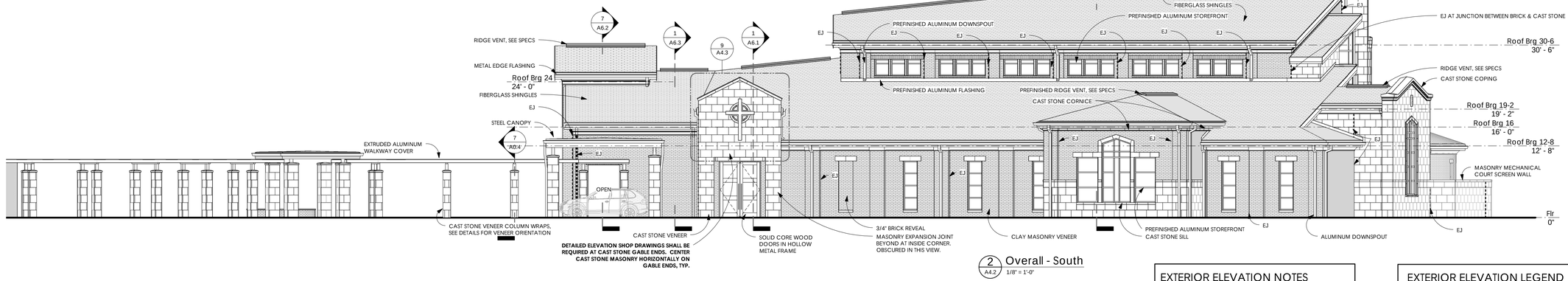
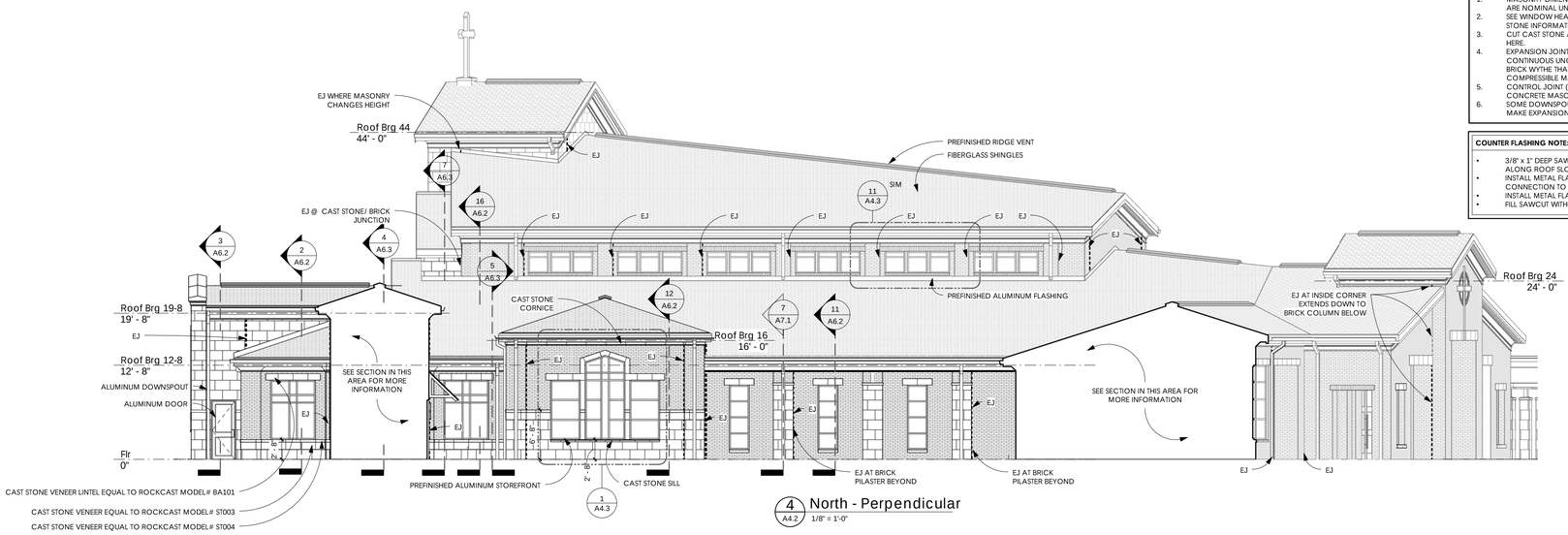


1 A4.2 **Overall - North**
1/8" = 1'-0"



2 A4.2 **Overall - South**
1/8" = 1'-0"



4 A4.2 **North - Perpendicular**
1/8" = 1'-0"

EXTERIOR ELEVATION NOTES

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6.

COUNTER FLASHING NOTE:

- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
- INSTALL METAL FLASHING WITH BENT END TO PROVIDE FRICTION CONNECTION TO MASONRY
- INSTALL METAL FLASHING WITH POSITIVE SLOPE
- FILL SAWCUT WITH SEALANT

EXTERIOR ELEVATION LEGEND

***NOTE: APPLIES TO 1/8" SCALE EXTERIOR ELEVATIONS**

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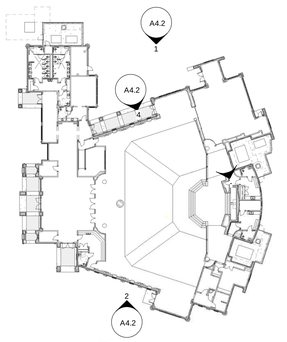

3 A4.2 **Key Plan**
1" = 40'-0"

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New Construction of:

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Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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REGISTERED ARCHITECT

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Exterior Elevations

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EXTERIOR ELEVATION LEGEND

***NOTE: APPLIES TO 1/8" SCALE EXTERIOR ELEVATIONS**

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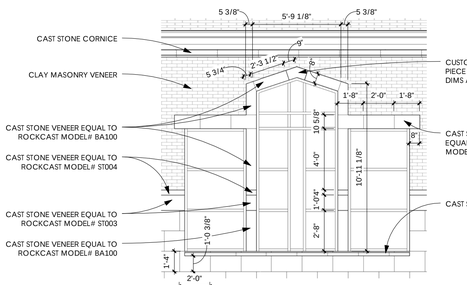
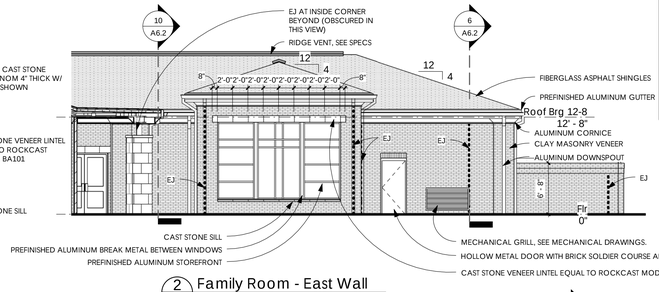
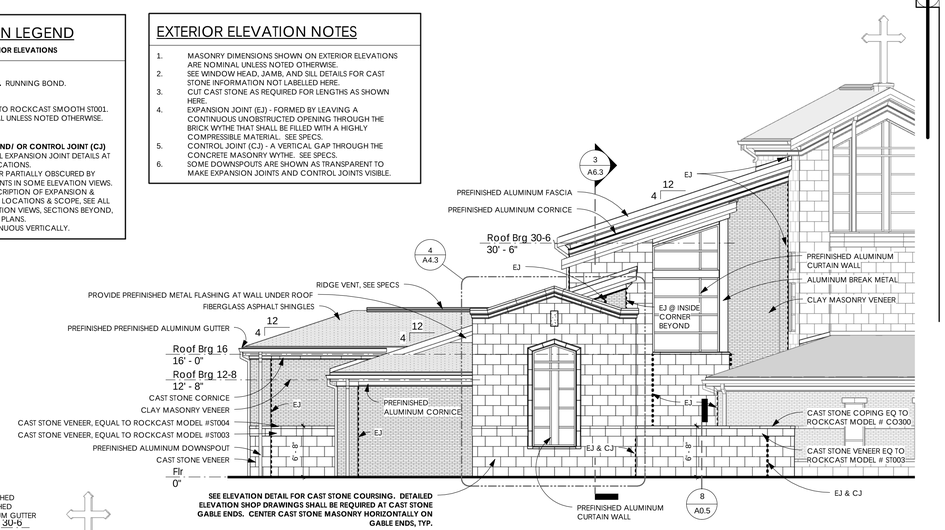


1 A4.3 Enlarged Elevation - Window Surround
1/4" = 1'-0"

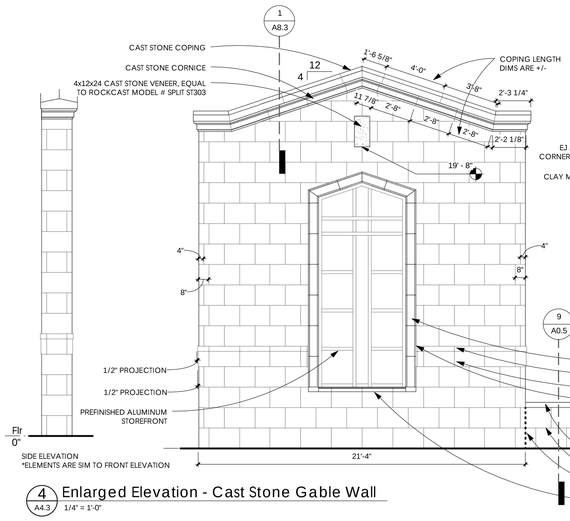


2 A4.3 Family Room - East Wall
1/8" = 1'-0"

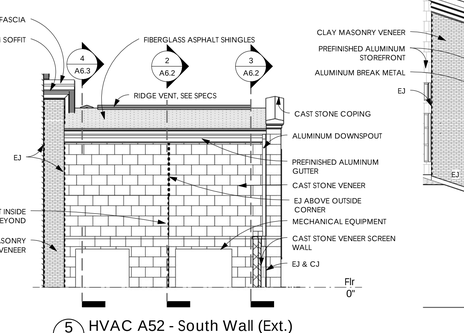


SEE ELEVATION DETAIL FOR CAST STONE COURSING. DETAILED ELEVATION SHOP DRAWINGS SHALL BE REQUIRED AT CAST STONE GABLE ENDS. CENTER CAST STONE MASONRY HORIZONTALLY ON GABLE ENDS, TYP.

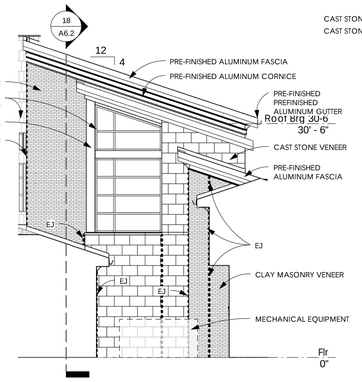
3 A4.3 Choir Room - East Wall (Ext.)
1/8" = 1'-0"



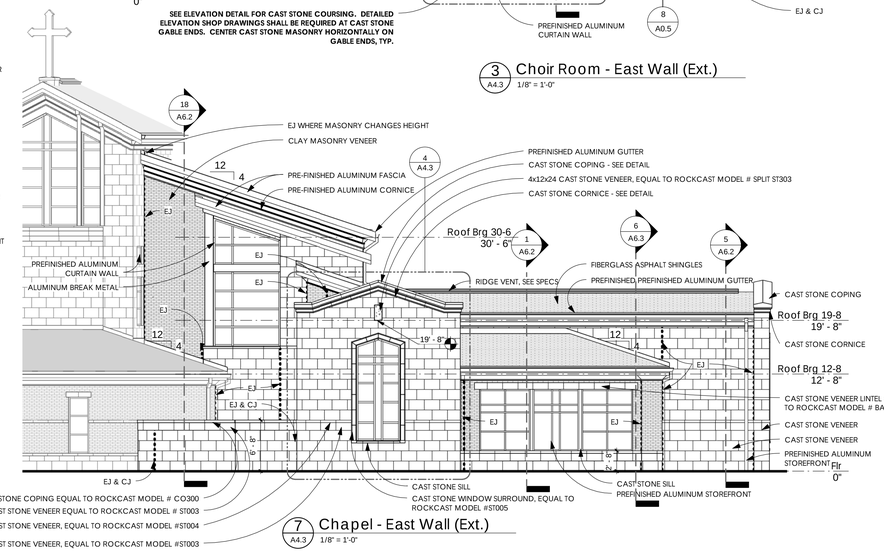
4 A4.3 Enlarged Elevation - Cast Stone Gable Wall
1/4" = 1'-0"



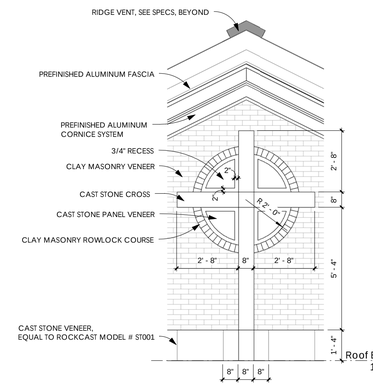
5 A4.3 HVAC A52 - South Wall (Ext.)
1/8" = 1'-0"



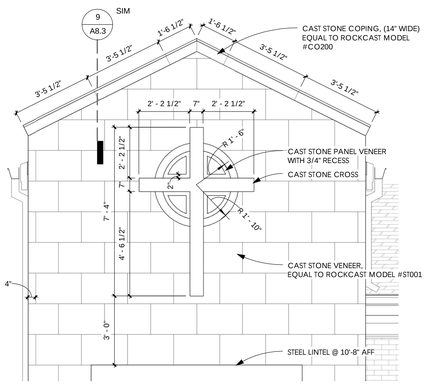
6 A4.3 HVAC A52 - Northeast
1/8" = 1'-0"



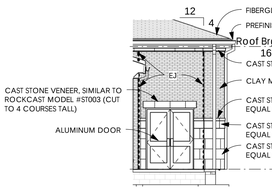
7 A4.3 Chapel - East Wall (Ext.)
1/8" = 1'-0"



8 A4.3 Enlarged Elevation - Large Cross
3/8" = 1'-0"



9 A4.3 Enlarged Elevation - Small Cross
3/8" = 1'-0"



10 A4.3 South Transcept
1/8" = 1'-0"

COUNTER FLASHING NOTE:
- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
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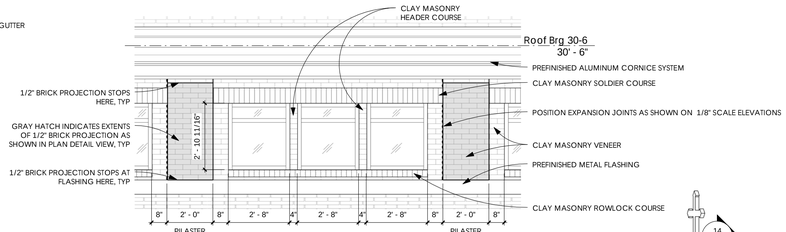
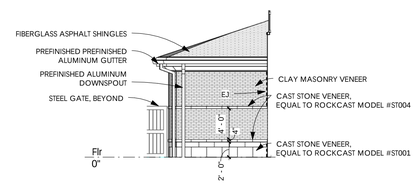
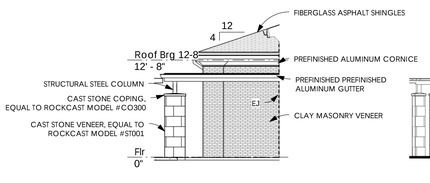
- INSTALL METAL FLASHING WITH POSITIVE SLOPE
- FILL SAWCUT WITH SEALANT



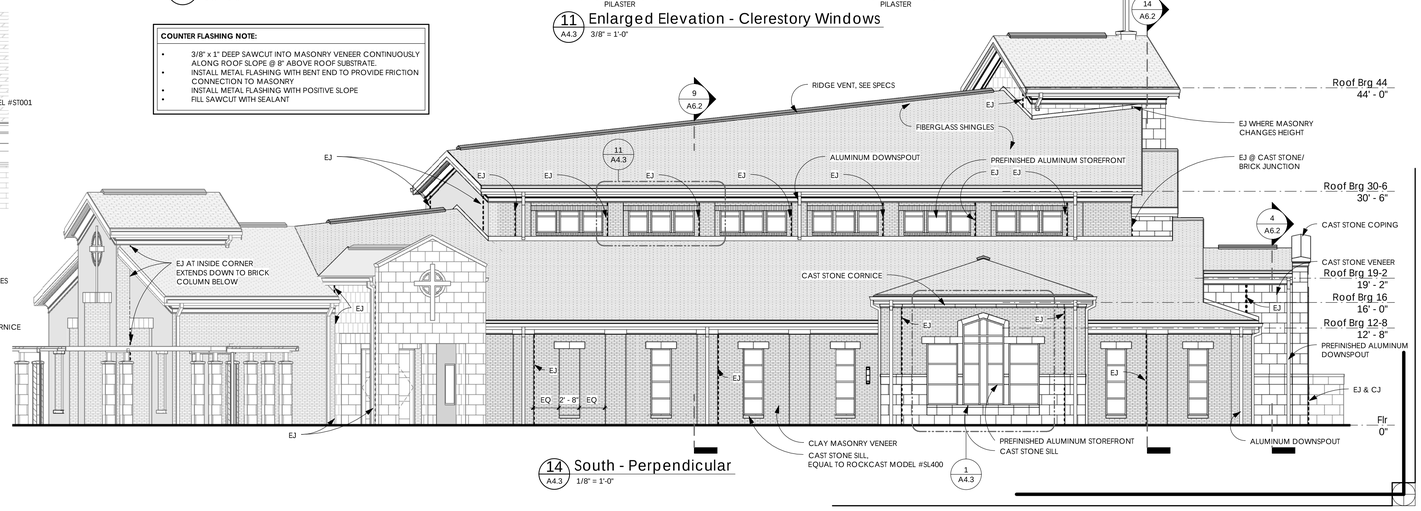
11 A4.3 Enlarged Elevation - Clerestory Windows
3/8" = 1'-0"



12 A4.3 HVAC A52 - Northwest
1/8" = 1'-0"



13 A4.3 Portico A12 - South
1/8" = 1'-0"



14 A4.3 South - Perpendicular
1/8" = 1'-0"

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Exterior Elevations

SHEET NUMBER A4.3

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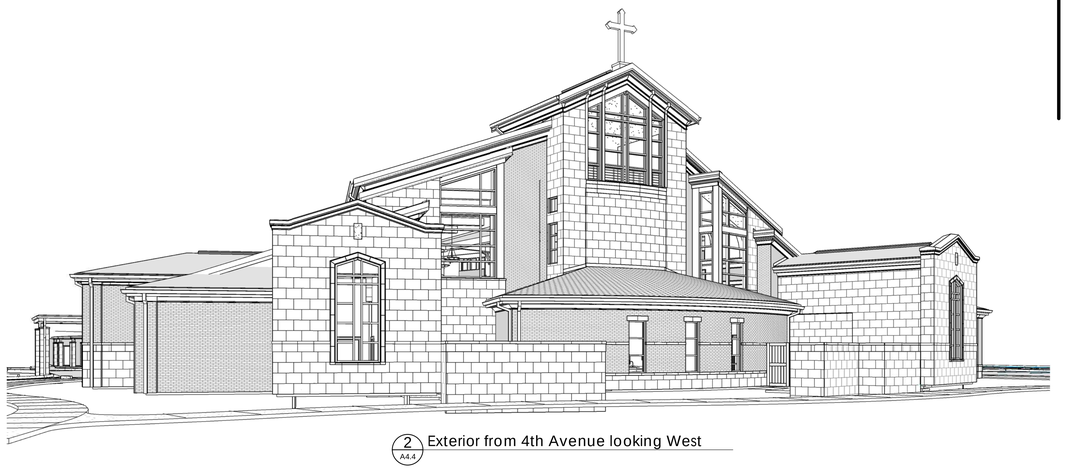
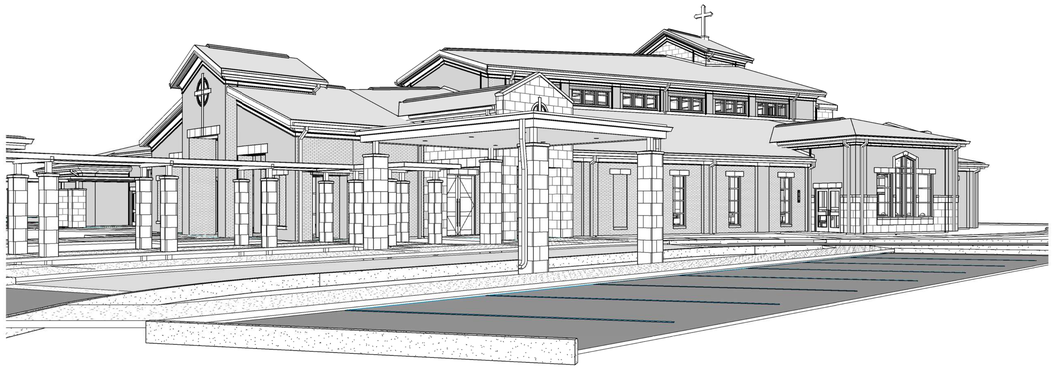
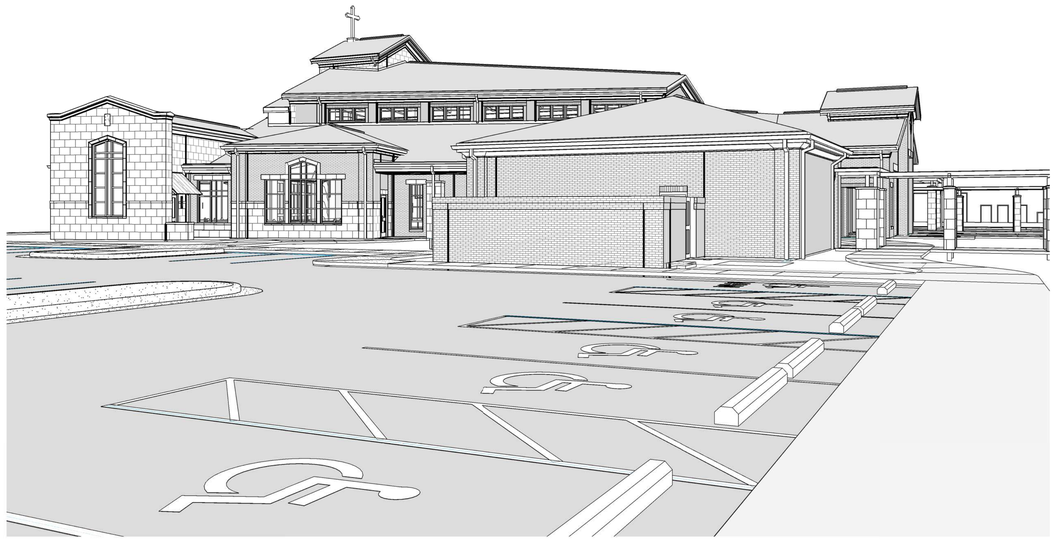
1 A4.4 Exterior from 4th Ave looking South



2 A4.4 Exterior from 4th Avenue looking West



3 A4.4 Exterior from 9th Street looking East



4 A4.4 Exterior from North Parking Lot

5 A4.4 Exterior from Canopy

6 A4.4 Exterior from Fountain looking East

NOTE: THIS SHEET FOR GRAPHICAL REFERENCE ONLY.
SEE EXTERIOR ELEVATIONS FOR DETAILED INFORMATION.

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Exterior Perspectives

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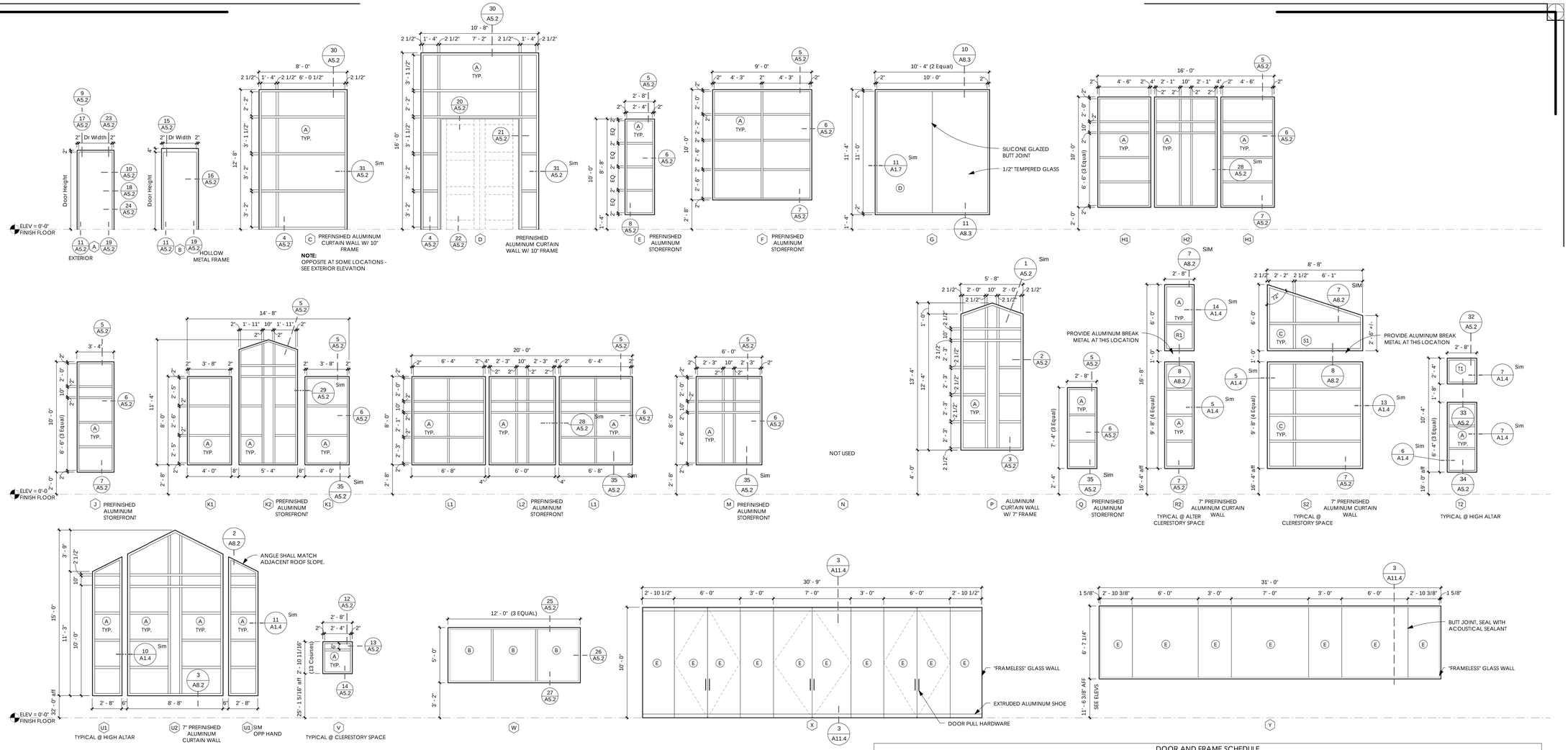
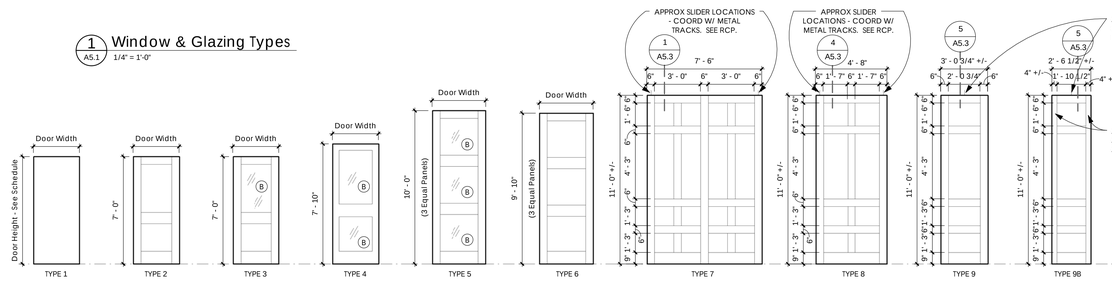
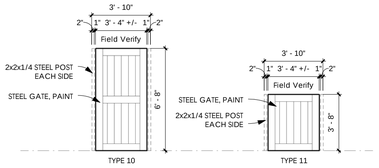


1 Window & Glazing Types
A5.1 1/4" = 1'-0"



2 Door Types
A5.1 1/4" = 1'-0"



GLAZING SCHEDULE

- (A) 1" INSULATED TINTED
- (B) 1" CLEAR TEMPERED INSULATED GLASS
- (C) 1" INSULATED SPECIALTY GLASS
- (D) 1/2" CLEAR TEMPERED GLASS
- (E) 3/4" CLEAR TEMPERED GLASS

NOTES:
1. ALL GLAZING WITHIN 18" VERTICAL OF WALKING SURFACE SHALL BE TEMPERED.
2. ALL GLAZING WITHIN 48" HORIZONTAL OF A DOOR WITH A BOTTOM EDGE LESS THAN 60" AFF SHALL BE TEMPERED.
3. SEE GUARDRAIL NOTES FOR ADDITIONAL GUARDRAIL GLAZING REQUIREMENTS.

(SCHEDULE PERTAINS TO ALL GLAZING- COORD W/ WINDOW SCHEDULES)

DOOR AND FRAME SCHEDULE NOTES:

A. THIS DOOR IS LOCATED AT THE ATTIC ACCESS PLATFORM LEVEL AT 32'-6" AFF.

NOTE:
CONTRACTOR AND SUPPLIERS SHALL FEILD VERIFY ALL WINDOW AND DOOR HEAD, JAMB AND SILL CONDITIONS PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND ORDERING. STOREFRONT AND CURTAIN WALL DIMENSIONS SHALL BE ADJUSTED AS REQUIRED TO ACCOMODATE PERIMETER SHIMS, AND INSTALLATIONS INTO STUD WALLS.

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR TYPE	DOOR FINISH	FRAME MATERIAL	FRAME TYPE	FRAME FINISH	HEAD	JAMB	SILL	RATING	REMARKS
A1	3' - 0"	7' - 0"	1 3/4"	HM	1	Paint	HM	B	Paint	15/A5.2	16/A5.2	11/A5.2		
A2	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A3	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A4	3' - 0"	7' - 0"	1 3/4"	HM	1	Paint	HM	B	Paint	15/A5.2	16/A5.2	11/A5.2		
A5	3' - 0"	7' - 0"	1 3/4"	SCWD	2									
A7	3' - 0"	7' - 0"	1 3/4"	SCWD	2									
A9	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A11	PR 3'-0"	7' - 10"	1 3/4"	ALUM	4	Factory	ALUM	A		9/A5.2	10/A5.2	11/A5.2		
A12	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A13	2' - 6"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A14	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A15	PR 3'-0"	7' - 10"	1 3/4"	ALUM	4	Factory	ALUM	A		9/A5.2	10/A5.2	11/A5.2		
A17	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A18a	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A18b	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A20	PR 3'-6"	10' - 0"	2"	SCWD	5	Stain	ALUM	D		-	-	11/A5.2		
A21	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A22	PR 3'-6"	9' - 10"	2"	SCWD	6	Stain	HM	A	Paint	17/A5.2	18/A5.2	11/A5.2		
A24a	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A24b	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A25	PR 2'-6"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A26	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A27a	PR 3'-0"	10' - 0"	3/4"	GLASS	1	N/A	ALUM	X			-			
A27b	PR 3'-6"	10' - 0"	3/4"	GLASS	1	N/A	ALUM	X			-			
A27c	PR 3'-0"	10' - 0"	3/4"	GLASS	1	N/A	ALUM	X			-			
A27d	PR 3'-0"	7' - 10"	1 3/4"	ALUM	4	Factory	ALUM	A		9/A5.2	10/A5.2	11/A5.2		
A27e	PR 3'-0"	7' - 10"	1 3/4"	ALUM	4	Factory	ALUM	A		9/A5.2	10/A5.2	11/A5.2		
A29	PR 3'-0"	7' - 10"	2"	SCWD	4	Stain	HM	A	Paint	17/A5.2	18/A5.2	11/A5.2		
A30a	3' - 0"	7' - 10"	1 3/4"	ALUM	4	Factory	ALUM	A		9/A5.2	10/A5.2	11/A5.2		
A30b	7' - 6"	11' - 0"	2 1/4"	WD	7	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A30c	7' - 6"	11' - 0"	2 1/4"	WD	7	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A30d	7' - 6"	11' - 0"	2 1/4"	WD	7	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A30e	2' - 11"	11' - 0"	2 1/4"	WD	9	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A30f	2' - 11"	11' - 0"	2 1/4"	WD	9B	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A30g	2' - 11"	11' - 0"	2 1/4"	WD	9	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A30h	4' - 8"	11' - 0"	2 1/4"	WD	8	Stain	N/A	N/A		20/A11.1	-	-		BY OWNER
A32	2' - 4"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint					
A33	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A34	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A35	PR 2'-6"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A36	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	B	Paint	15/A5.2 SIM	16/A5.2 SIM	-		NOTE "A"
A37	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A38	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A39	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A43	PR 2'-6"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A44	5' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A45	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A46	3' - 4"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A47	3' - 0"	7' - 0"	1 3/4"	SCWD	2	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A49	3' - 0"	7' - 0"	1 3/4"	SCWD	3	Stain	HM	A	Paint	19/A5.2	20/A5.2	-		
A50	3' - 4"	6' - 4"	1 1/2"	STEEL	10	Paint	STEEL	N/A	Paint	N/A	N/A	N/A		
A51	3' - 4"	6' - 4"	1 1/2"	STEEL	10	Paint	STEEL	N/A	Paint	N/A	N/A	N/A		
A52	3' - 4"	6' - 4"	1 1/2"	STEEL	10	Paint	STEEL	N/A	Paint	N/A	N/A	N/A		
A53	3' - 4"	3' - 8"	1 1/2"	STEEL	11	Paint	STEEL	N/A	Paint	N/A	N/A	N/A		

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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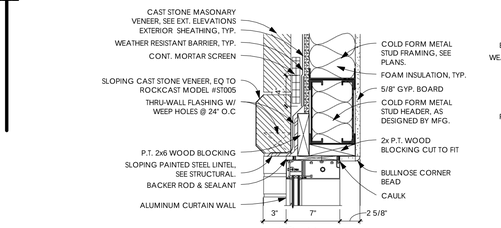
JOB No.	08038
DATE:	REV DATE:
02/24/2012	
DRAWN BY:	JMB

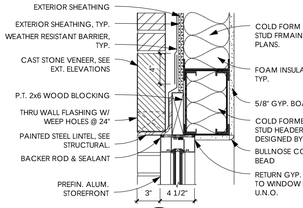
Door & Window Schedules

SHEET NUMBER A5.1

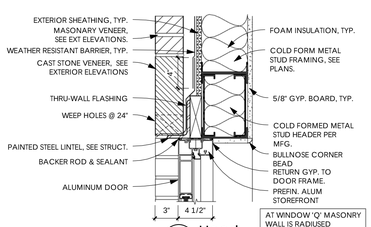
2/24/2012 12:49:08 PM



1 Head
A5.2 1 1/2" = 1'-0"

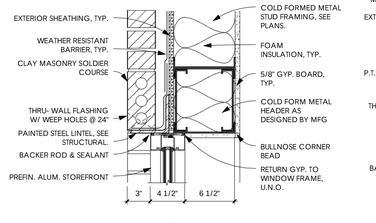


5 Head
A5.2 1 1/2" = 1'-0"

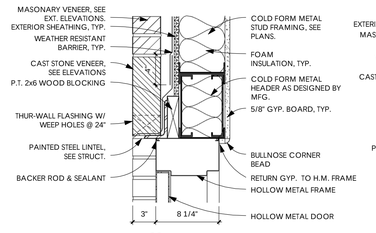


AT WINDOW 'Q' MASONRY WALL IS RADIUSED

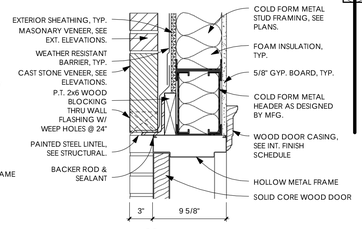
9 Head
A5.2 1 1/2" = 1'-0"



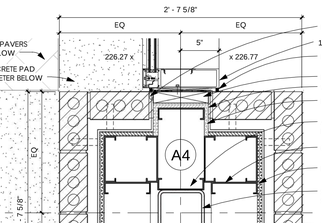
12 Head
A5.2 1 1/2" = 1'-0"



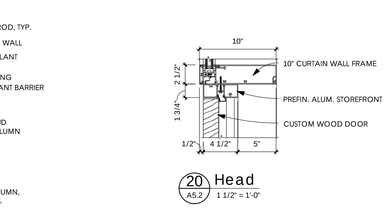
15 Head
A5.2 1 1/2" = 1'-0"



17 Head
A5.2 1 1/2" = 1'-0"

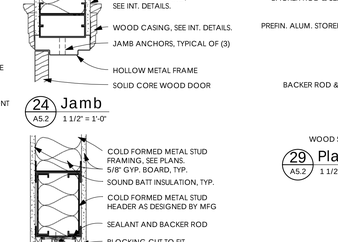


2 Jamb
A5.2 1 1/2" = 1'-0"

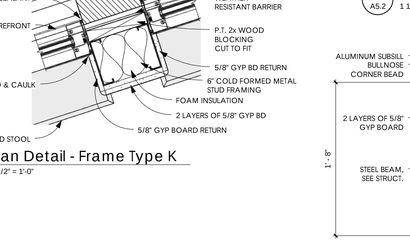


PROVIDE SIM. JAMB DETAIL AT WINDOW 'Q' WHERE MASONRY WALL IS RADIUSED.

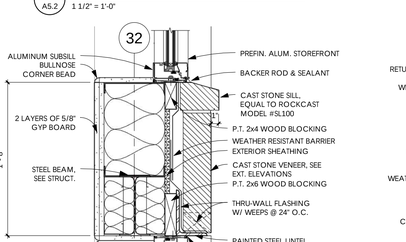
6 Jamb
A5.2 1 1/2" = 1'-0"



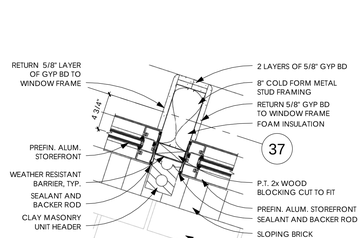
10 Jamb
A5.2 1 1/2" = 1'-0"



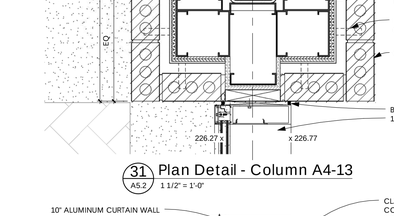
13 Jamb
A5.2 1 1/2" = 1'-0"



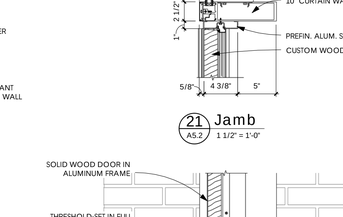
16 Jamb
A5.2 1 1/2" = 1'-0"



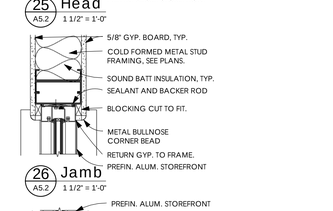
18 Jamb
A5.2 1 1/2" = 1'-0"



3 Sill
A5.2 1 1/2" = 1'-0"



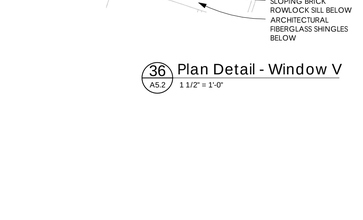
7 Sill
A5.2 1 1/2" = 1'-0"



11 Sill
A5.2 1 1/2" = 1'-0"

SEE DETAIL ON SHEET 'A8.2' FOR FLASHING DETAILS AT ROOF CONNECTIONS

14 Sill
A5.2 1 1/2" = 1'-0"



19 Sill
A5.2 1 1/2" = 1'-0"

30 Detail - Stone Lintel @ Alum CW
A5.2 1 1/2" = 1'-0"

8 Sill
A5.2 1 1/2" = 1'-0"

23 Head
A5.2 1 1/2" = 1'-0"

28 Plan Detail - Frame Type H
A5.2 1 1/2" = 1'-0"

32 Detail - Window Head @ Grid 31
A5.2 1 1/2" = 1'-0"

35 Sill
A5.2 1 1/2" = 1'-0"

2 Jamb
A5.2 1 1/2" = 1'-0"

PROVIDE SIM. JAMB DETAIL AT WINDOW 'Q' WHERE MASONRY WALL IS RADIUSED.

6 Jamb
A5.2 1 1/2" = 1'-0"

10 Jamb
A5.2 1 1/2" = 1'-0"

13 Jamb
A5.2 1 1/2" = 1'-0"

16 Jamb
A5.2 1 1/2" = 1'-0"

18 Jamb
A5.2 1 1/2" = 1'-0"

31 Plan Detail - Column A4-13
A5.2 1 1/2" = 1'-0"

20 Head
A5.2 1 1/2" = 1'-0"

21 Jamb
A5.2 1 1/2" = 1'-0"

25 Head
A5.2 1 1/2" = 1'-0"

26 Jamb
A5.2 1 1/2" = 1'-0"

27 Sill
A5.2 1 1/2" = 1'-0"

29 Plan Detail - Frame Type K
A5.2 1 1/2" = 1'-0"

33 Detail - Window Sill/Head @ Grid 31
A5.2 1 1/2" = 1'-0"

36 Plan Detail - Window V
A5.2 1 1/2" = 1'-0"

34 Detail - Roof to Masonry
A5.2 1 1/2" = 1'-0"

30 Detail - Stone Lintel @ Alum CW
A5.2 1 1/2" = 1'-0"

4 Sill @ Floor
A5.2 1 1/2" = 1'-0"

22 Sill
A5.2 1 1/2" = 1'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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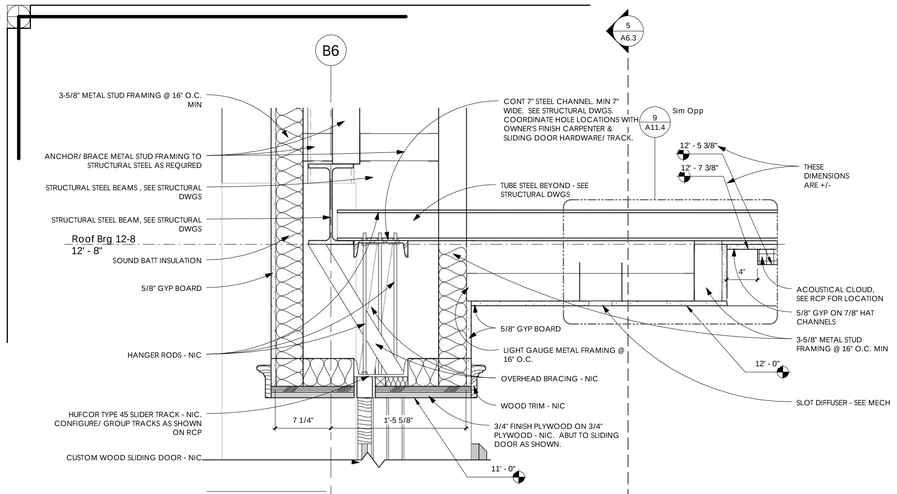
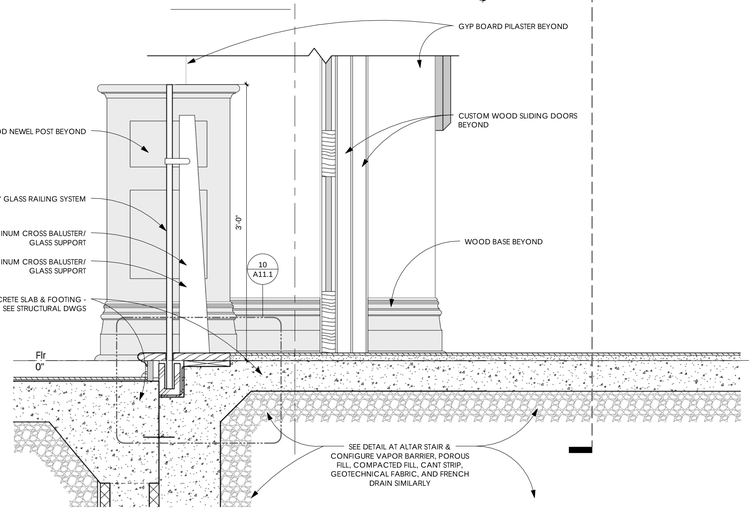
JOB No.	08038
DATE:	REV DATE:
02/24/2012	
DRAWN BY:	JMB

Door & Window Details

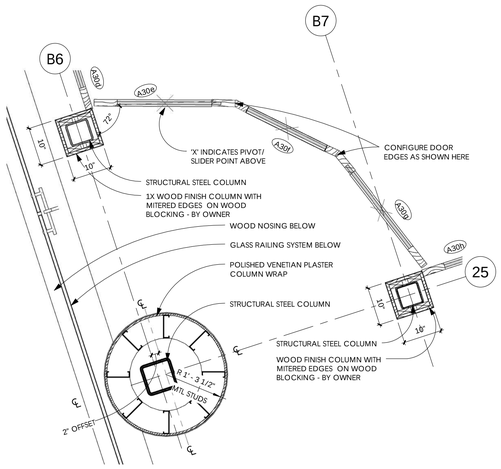
SHEET NUMBER A5.2

2/24/2012 12:49:17 PM

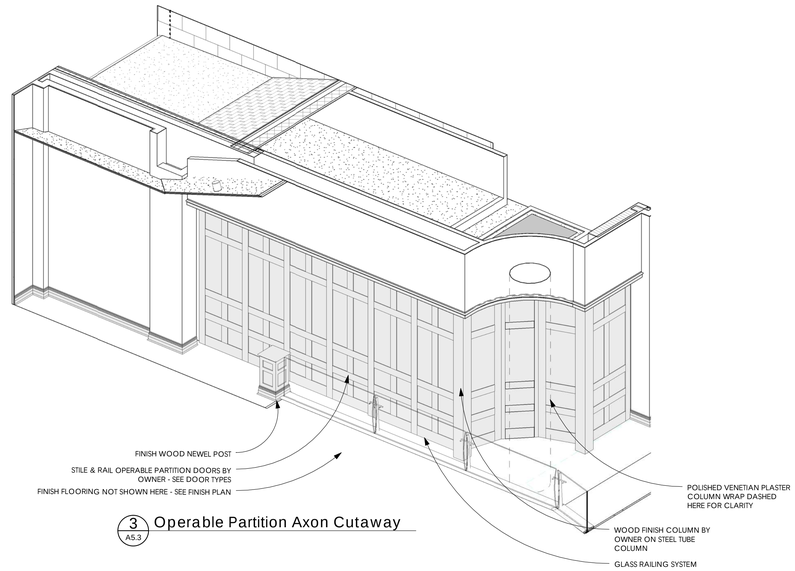




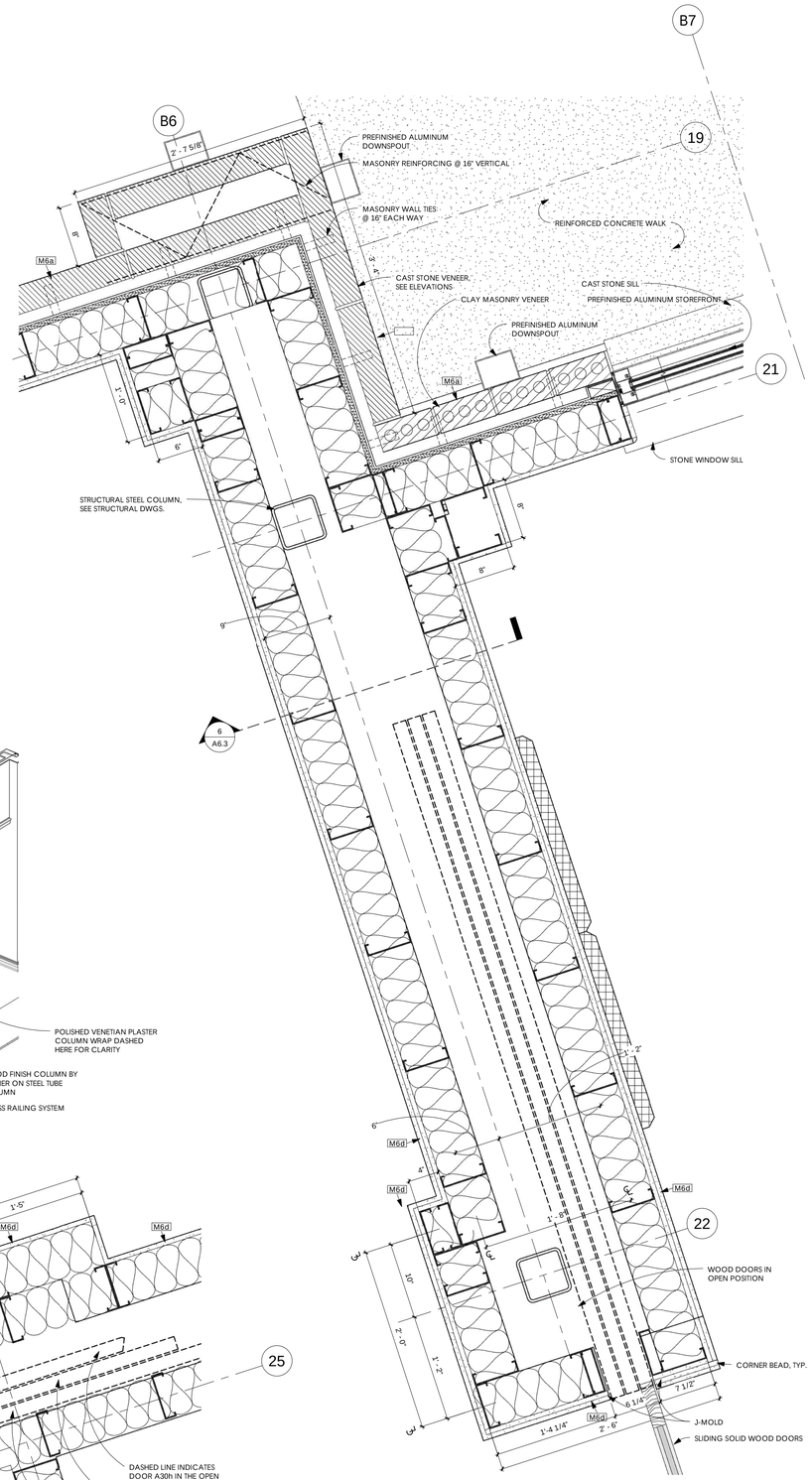
1 A5.3 Wall Section - Sliding Door / Glass Railing
1 1/2" = 1'-0"



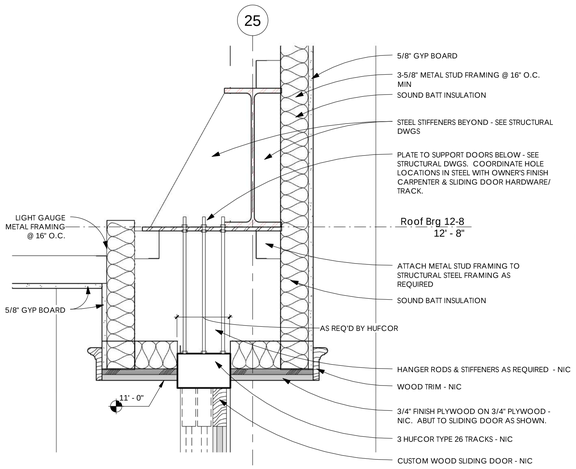
2 A5.3 Enlarged Floor Plan - Operable Partition
3/4" = 1'-0"



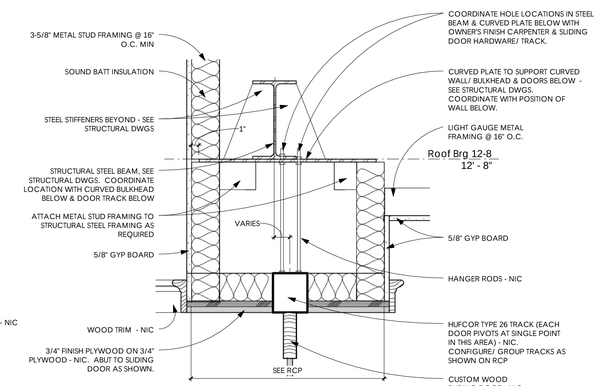
3 A5.3 Operable Partition Axon Cutaway



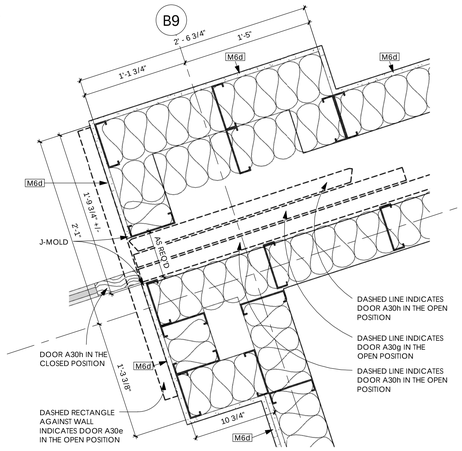
7 A5.3 Plan Detail - Sliding Wood Door
1 1/2" = 1'-0"



4 A5.3 Detail - Head @ Sliding Door
1 1/2" = 1'-0"



5 A5.3 Detail - Head @ Sliding Door
1 1/2" = 1'-0"



6 A5.3 Plan Detail - Single Sliding Door
1 1/2" = 1'-0"

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205.752.4581
www.ellisarchitects.com

New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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REGISTERED ARCHITECT

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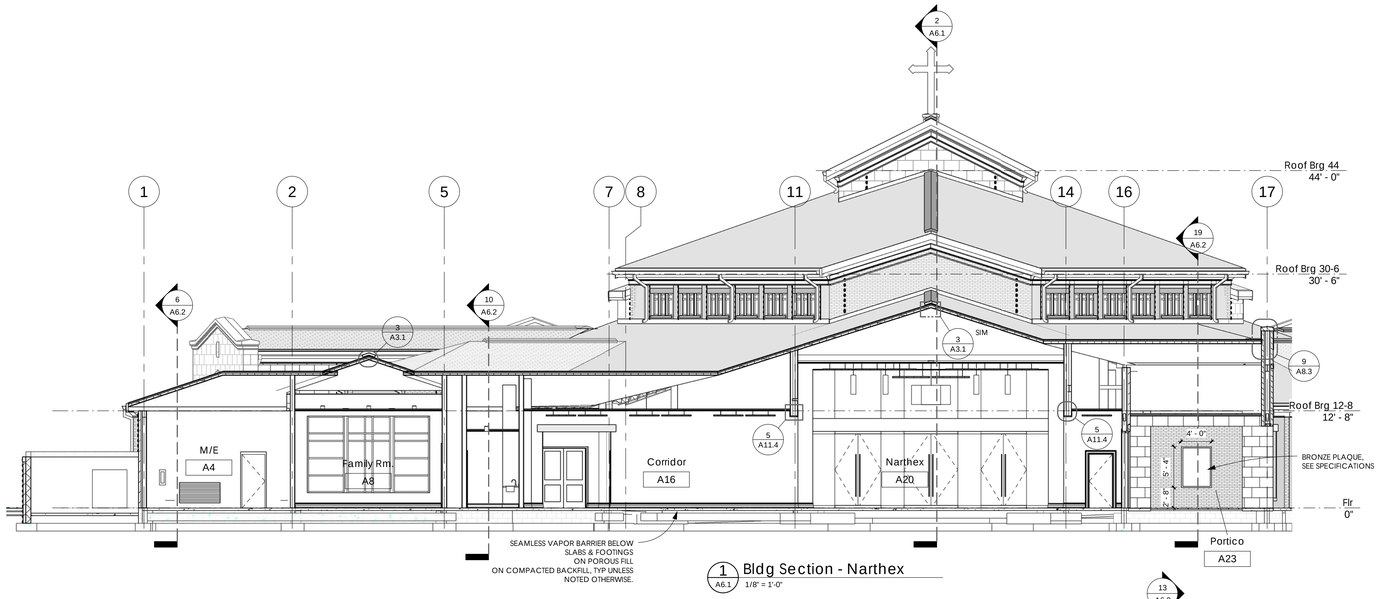
DATE:	REV DATE:
02/24/2012	
DRAWN BY:	Author

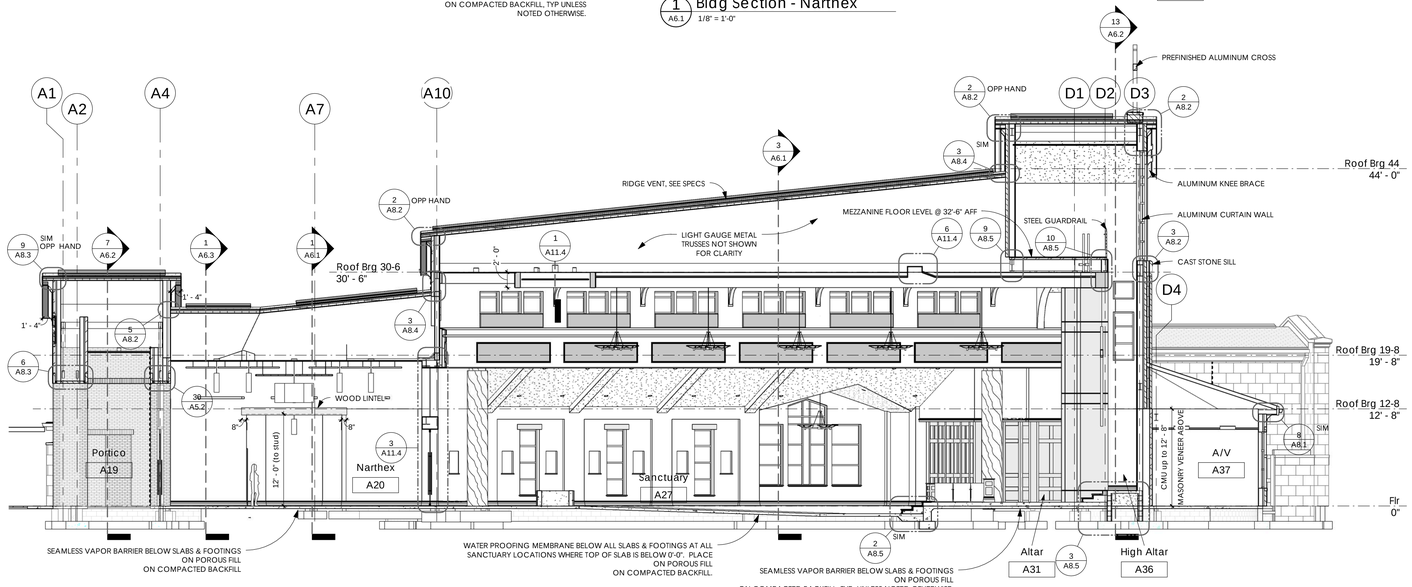
Door Details

SHEET NUMBER A5.3

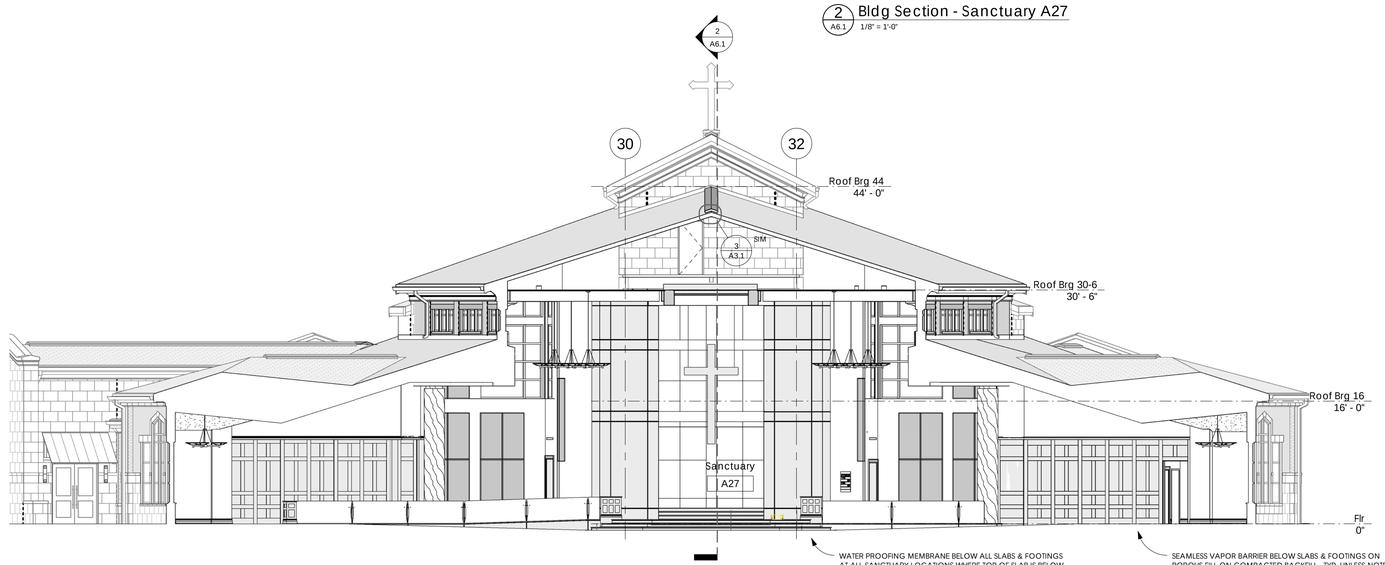
2/24/2012 12:49:28 PM



1 A6.1 Bldg Section - Narthex
1/8" = 1'-0"



2 A6.1 Bldg Section - Sanctuary A27
1/8" = 1'-0"



3 A6.1 Bldg Section - Sanctuary A27.
1/8" = 1'-0"

NOTE:
VENEER SHALL EXTEND DOWN TO TOP OF CONCRETE FOOTING AS SHOWN IN DETAILS.

COUNTER FLASHING NOTE:

- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
- INSTALL METAL FLASHING WITH BENT END TO PROVIDE FRICTION CONNECTION TO MASONRY
- INSTALL METAL FLASHING WITH POSITIVE SLOPE
- FILL SAWCUT WITH SEALANT

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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REGISTERED ARCHITECT

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DATE:	REV DATE:
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Building Sections

SHEET NUMBER A6.1

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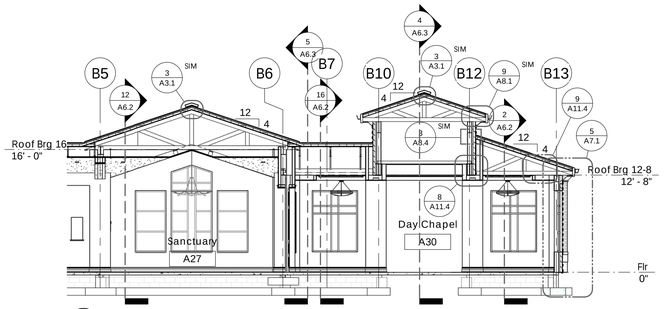
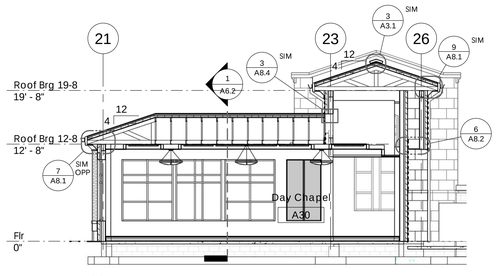
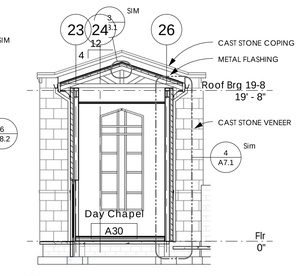


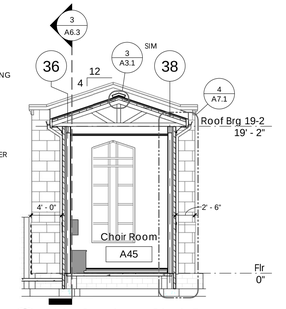
1 A6.2 Bldg Section - Chapel A30
1/8" = 1'-0"



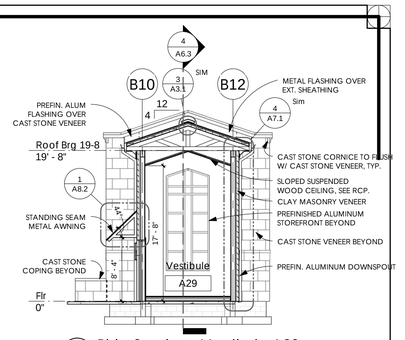
2 A6.2 Bldg Section - Chapel A30
1/8" = 1'-0"



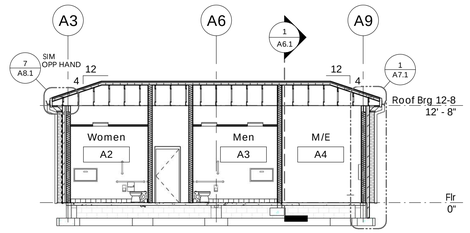
3 A6.2 Bldg Section - Chapel A30
1/8" = 1'-0"



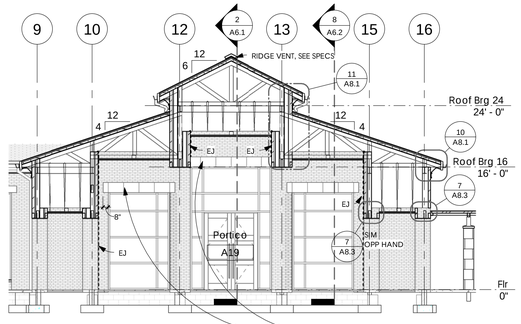
4 A6.2 Bldg Section - Choir Room
1/8" = 1'-0"



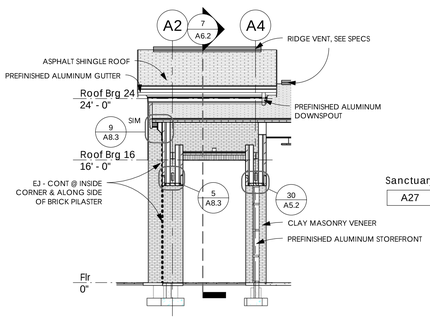
5 A6.2 Bldg Section - Vestibule A29
1/8" = 1'-0"



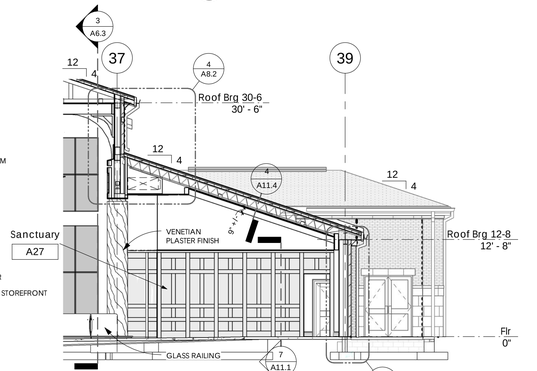
6 A6.2 Bldg Section - Restrooms
1/8" = 1'-0"



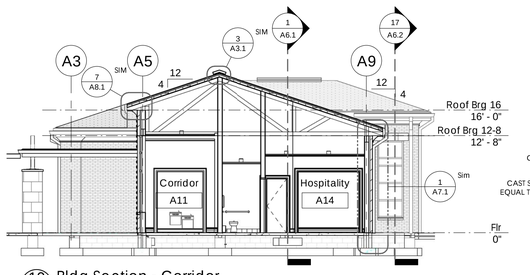
7 A6.2 Bldg Section - Portico A19
1/8" = 1'-0"



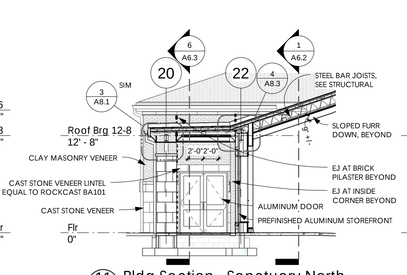
8 A6.2 Bldg Section - Portico A19.
1/8" = 1'-0"



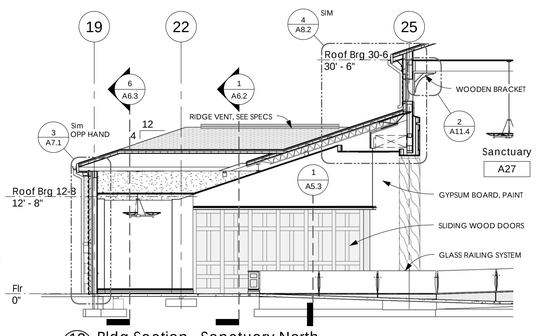
9 A6.2 Bldg Section - Sanctuary South
1/8" = 1'-0"



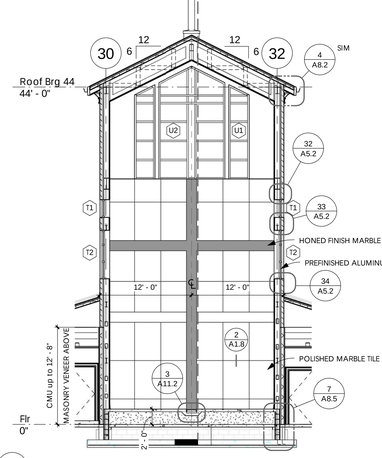
10 A6.2 Bldg Section - Corridor.
1/8" = 1'-0"



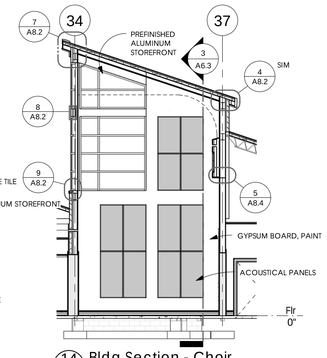
11 A6.2 Bldg Section - Sanctuary North
1/8" = 1'-0"



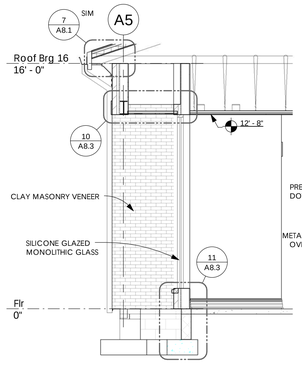
12 A6.2 Bldg Section - Sanctuary North.
1/8" = 1'-0"



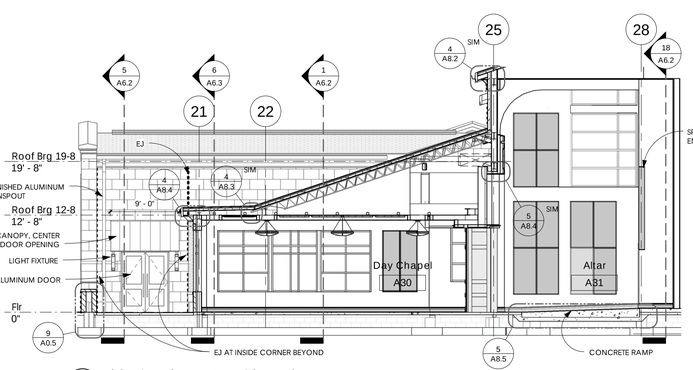
13 A6.2 Bldg Section - High Altar
1/8" = 1'-0"



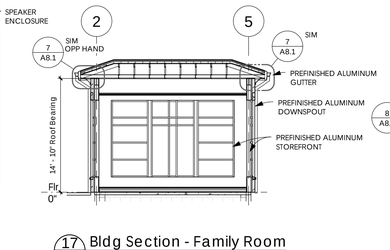
14 A6.2 Bldg Section - Choir
1/8" = 1'-0"



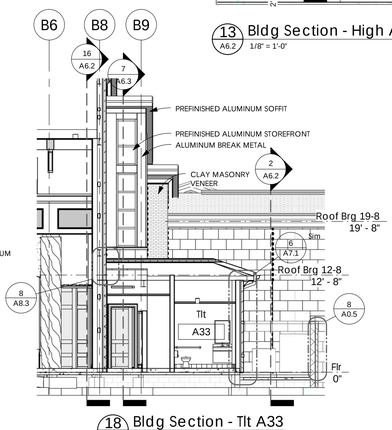
15 A6.2 Bldg Section - Corridor
1/4" = 1'-0"



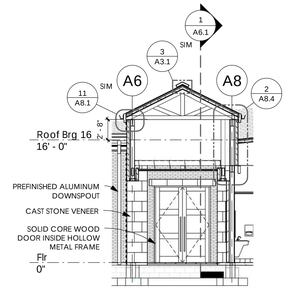
16 A6.2 Bldg Section - Day Chapel
1/8" = 1'-0"



17 A6.2 Bldg Section - Family Room
1/8" = 1'-0"



18 A6.2 Bldg Section - Tlt A33
1/8" = 1'-0"



19 A6.2 Bldg Section - Portico A23
1/8" = 1'-0"

NOTE:
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New Construction of:

New Sanctuary

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Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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REGISTERED ARCHITECT

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Building Sections

SHEET NUMBER A6.2

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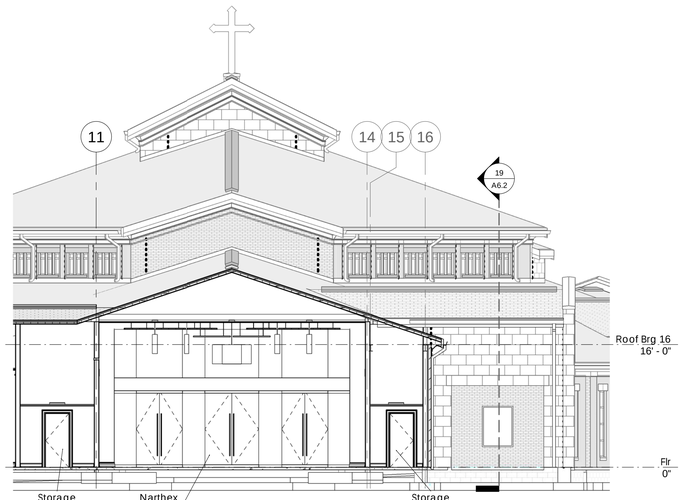
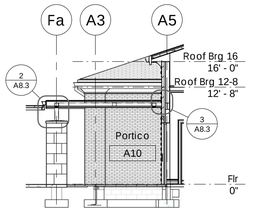
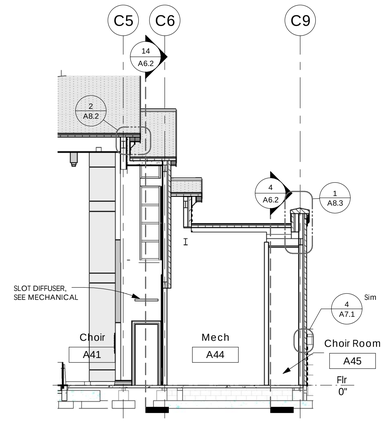


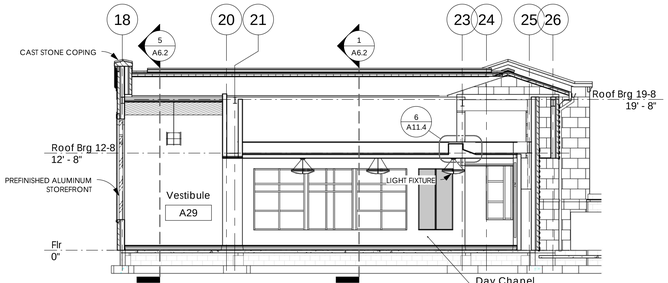
1 A6.3 Bldg Section - Narthex. 1/8" = 1'-0"



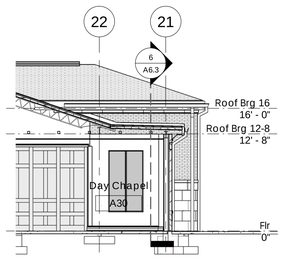
2 A6.3 Bldg Section - Portico A10 1/8" = 1'-0"



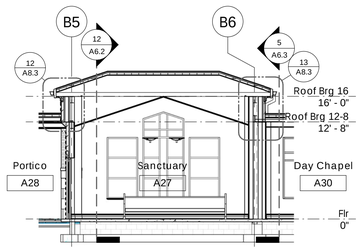
3 A6.3 Bldg Section - Mech A54 1/8" = 1'-0"



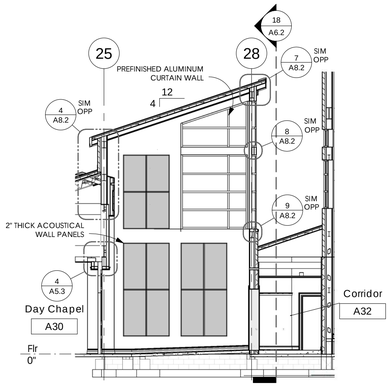
4 A6.3 Bldg Section - Day Chapel. 1/8" = 1'-0"



5 A6.3 Section - Day Chapel 1/8" = 1'-0"



6 A6.3 Bldg Section - North Transcept 1/8" = 1'-0"



7 A6.3 Section - Altar North 1/8" = 1'-0"

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Building Sections

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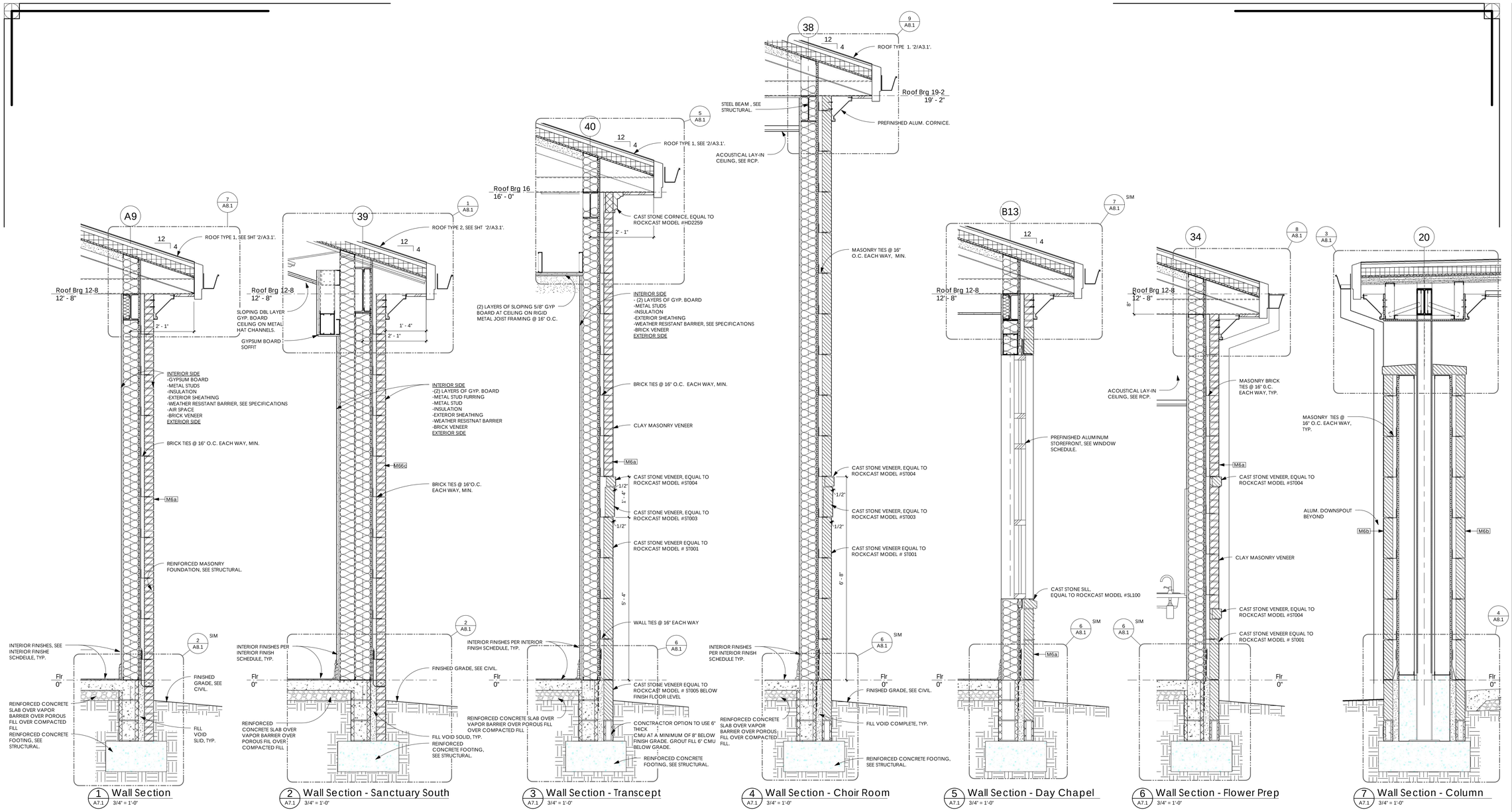

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New Construction of:

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Tuscaloosa, Alabama

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MICHAEL A. ELLIS
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Wall Sections

SHEET NUMBER A7.1

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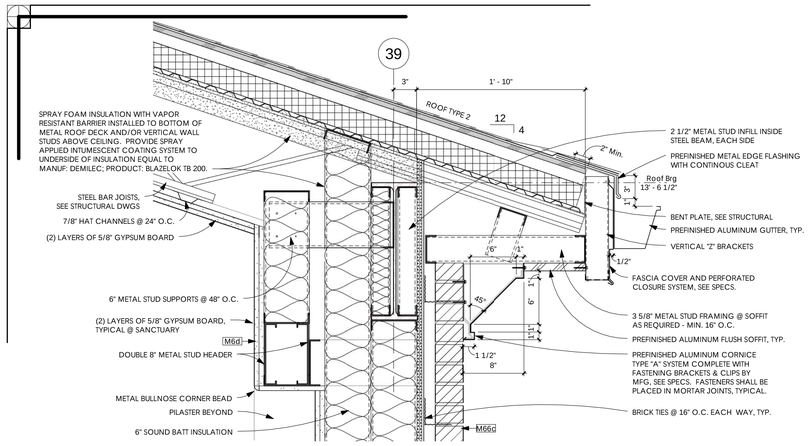
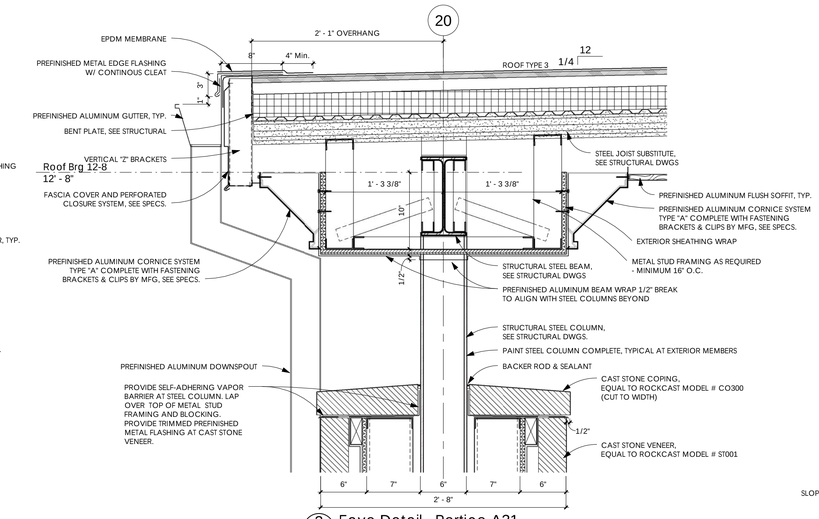
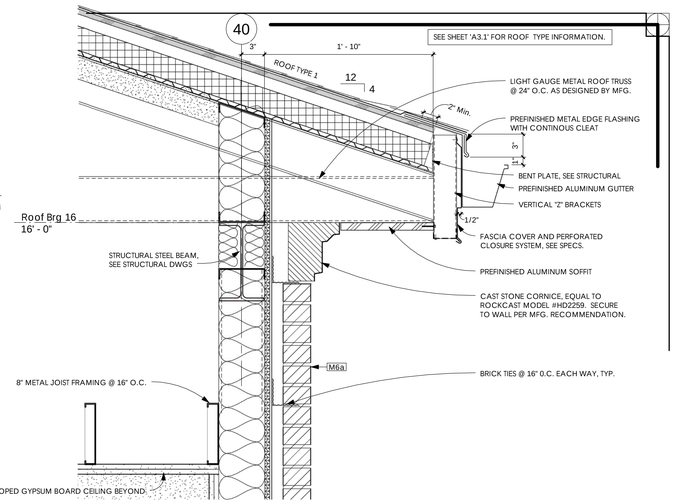


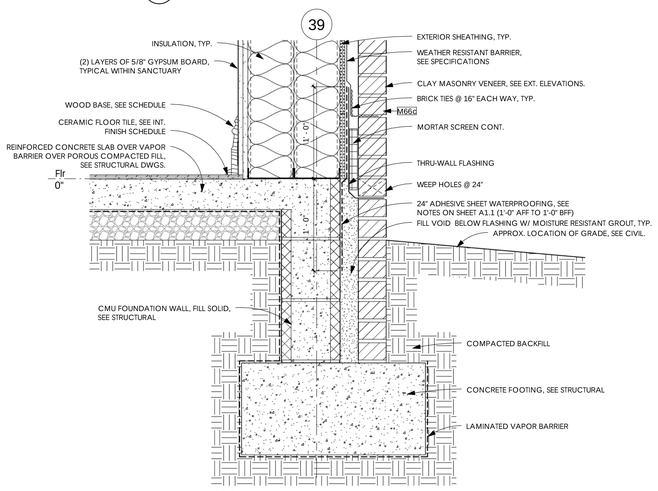
1 A8.1 Eave Detail - Sanctuary South
1 1/2" = 1'-0"



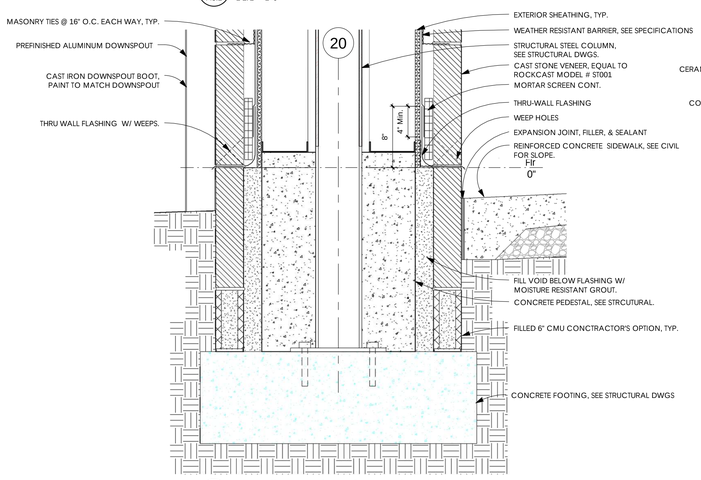
3 A8.1 Eave Detail - Portico A31
1 1/2" = 1'-0"



5 A8.1 Eave Detail - Transcept
1 1/2" = 1'-0"



2 A8.1 Detail - Footing @ Sanctuary
1 1/2" = 1'-0"



4 A8.1 Detail - Footing @ Exterior Column
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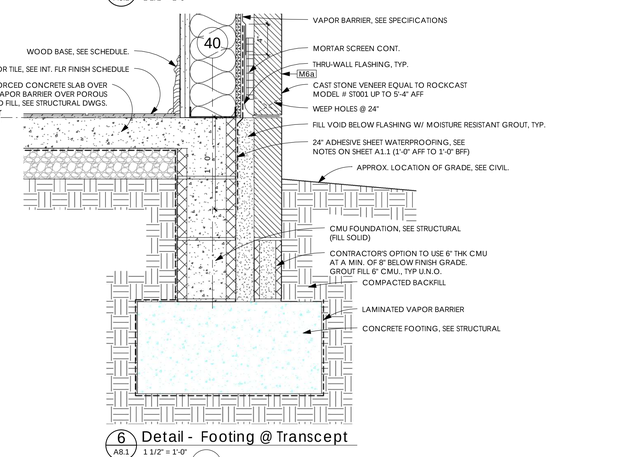
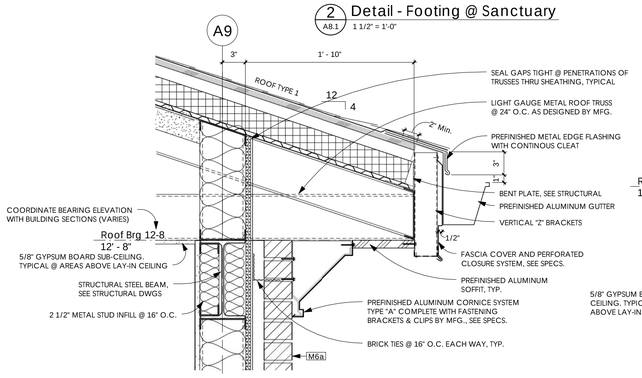
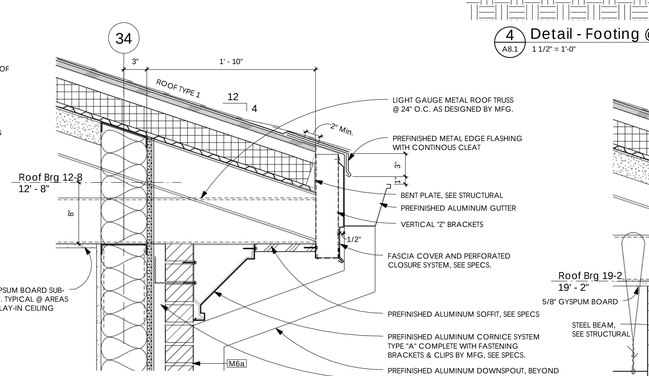


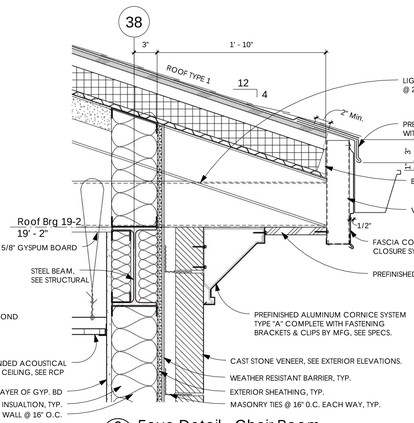
6 A8.1 Detail - Footing @ Transcept
1 1/2" = 1'-0"



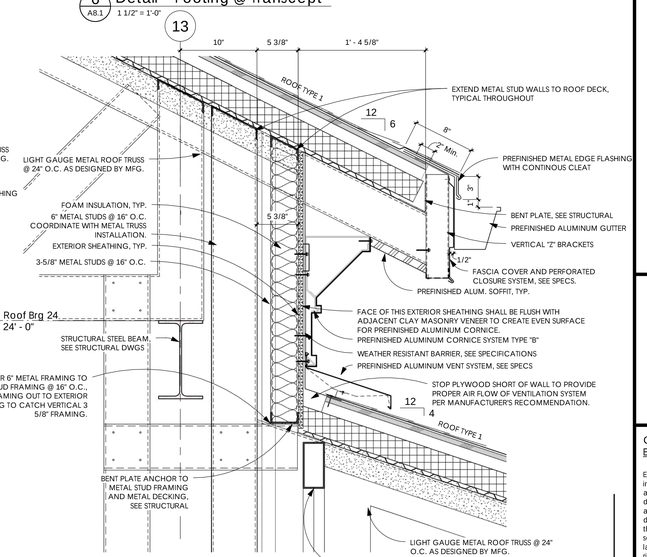
7 A8.1 Eave Detail
1 1/2" = 1'-0"

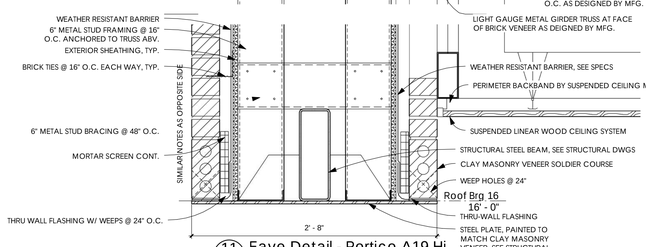


8 A8.1 Eave Detail - Flower Prep
1 1/2" = 1'-0"

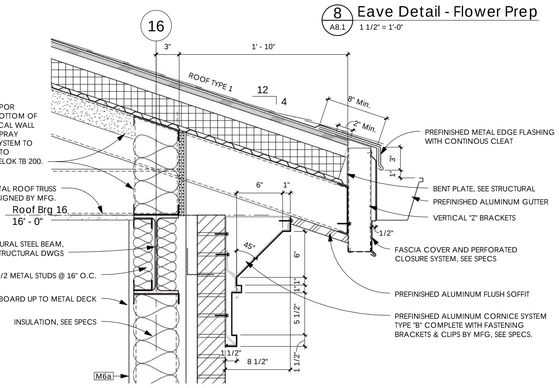


9 A8.1 Eave Detail - Choir Room
1 1/2" = 1'-0"





11 A8.1 Eave Detail - Portico A19 Hi
1 1/2" = 1'-0"



10 A8.1 Eave Detail - Portico Lo
1 1/2" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR HAS OPTION TO USE 6" THK CMU AT A MIN. OF 8" BELOW FINISH GRADE IN LIEU OF CLAY MASONRY VENEER OR CAST STONE VENEER, TYP.
2. PROVIDE A SLIP JOINT OF 6 MIL. PLASTIC AT ALL LOCATIONS WHERE THE CLAY MASONRY VENEER MEETS THE CAST STONE WATERTABLE.

COUNTER FLASHING NOTE:

- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
- INSTALL METAL FLASHING WITH BENT END TO PROVIDE FRICTION CONNECTION TO MASONRY
- INSTALL METAL FLASHING WITH POSITIVE SLOPE
- FILL SAWCUT WITH SEALANT

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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Exterior Details

SHEET NUMBER A8.1

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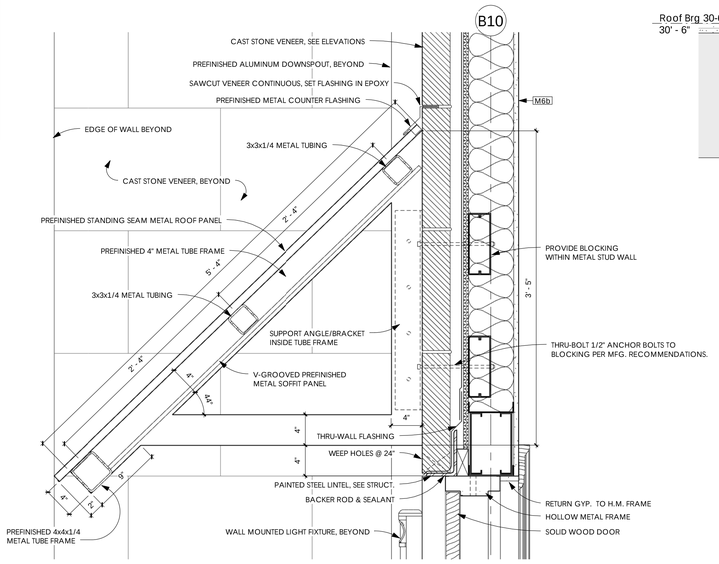
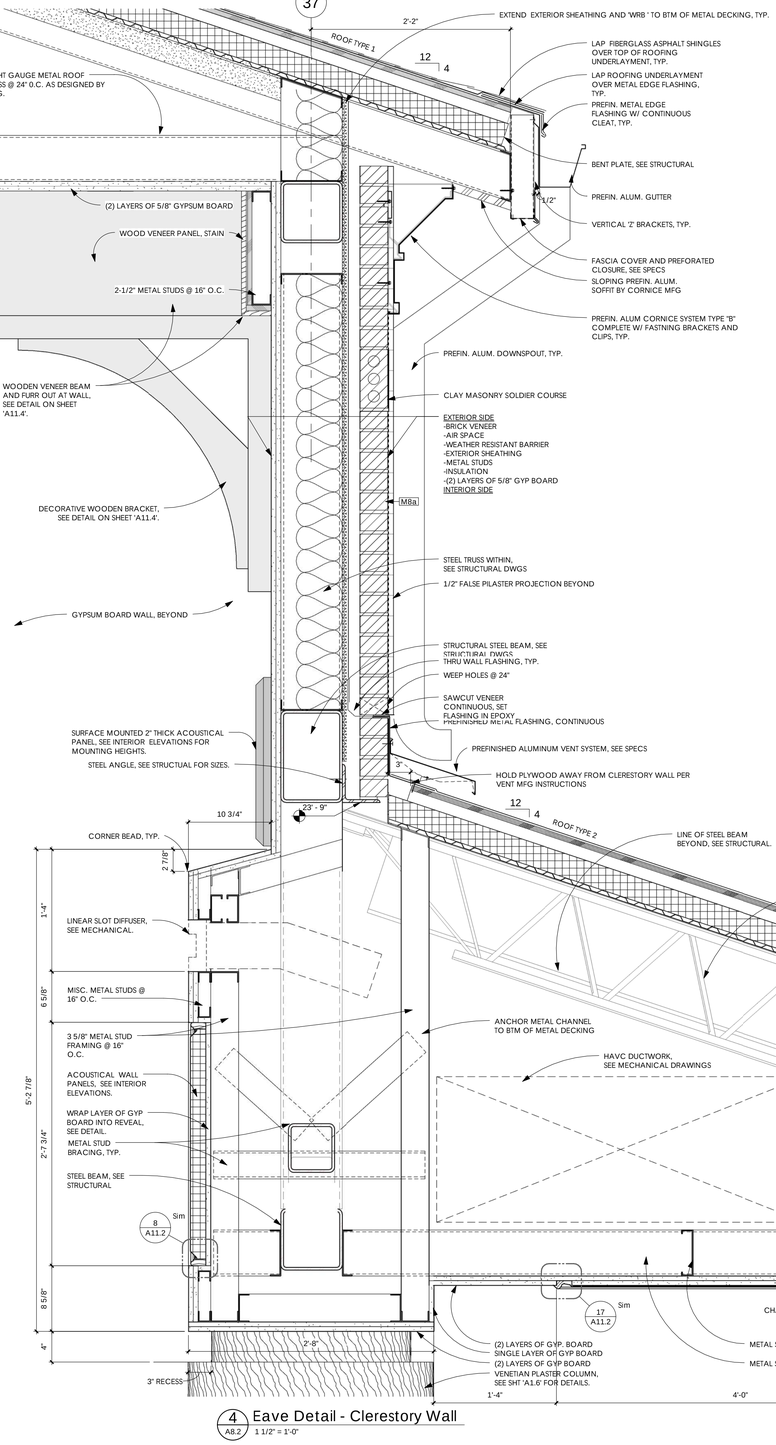
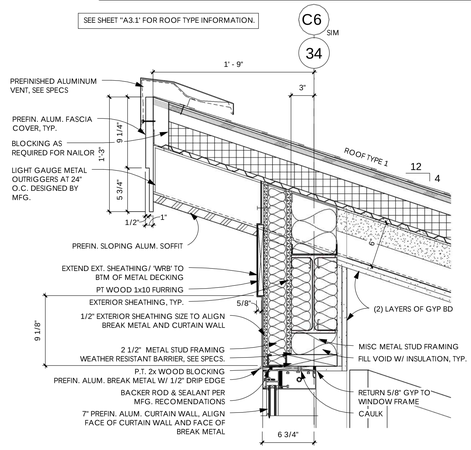


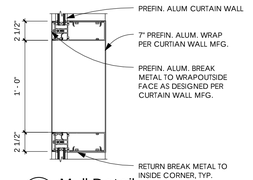
1 Detail - Metal Awning
A8.2 1 1/2" = 1'-0"



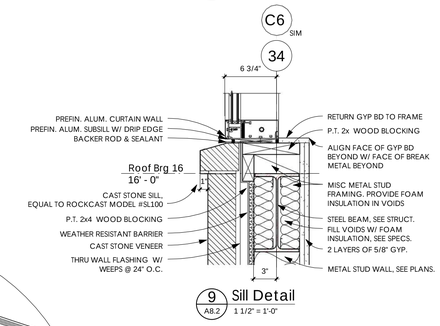
4 Eave Detail - Clerestory Wall
A8.2 1 1/2" = 1'-0"



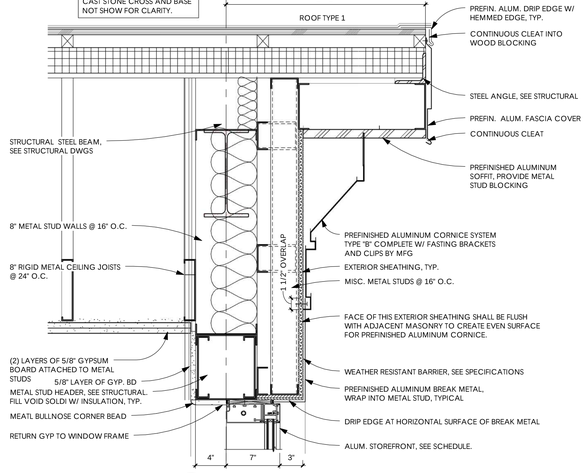
7 Eave Detail - Grid 34
A8.2 1 1/2" = 1'-0"



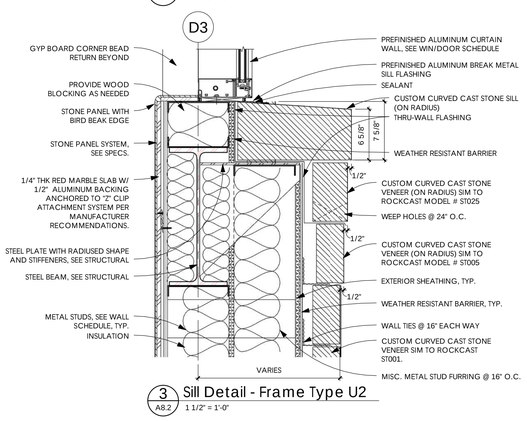
8 Mull Detail
A8.2 1 1/2" = 1'-0"



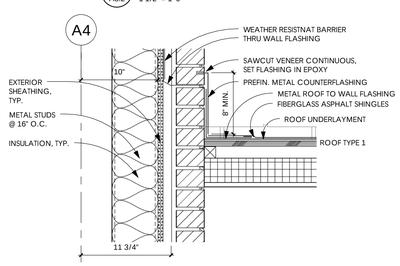
9 Sill Detail
A8.2 1 1/2" = 1'-0"



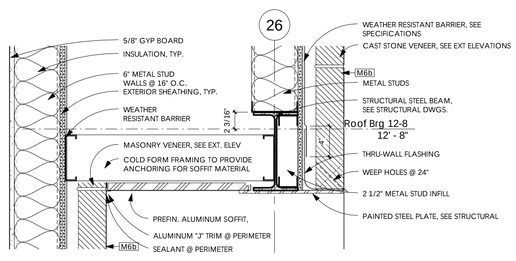
2 Rake Detail - Clerestory @ 40'-0"
A8.2 1 1/2" = 1'-0"



3 Sill Detail - Frame Type U2
A8.2 1 1/2" = 1'-0"



5 Rake Detail - Roof To Brick
A8.2 1 1/2" = 1'-0"



6 Soffit Detail - HVAC A52
A8.2 1 1/2" = 1'-0"

COUNTER FLASHING NOTE:

- 3/8" x 1" DEEP SAWCUT INTO MASONRY VENEER CONTINUOUSLY ALONG ROOF SLOPE @ 8" ABOVE ROOF SUBSTRATE.
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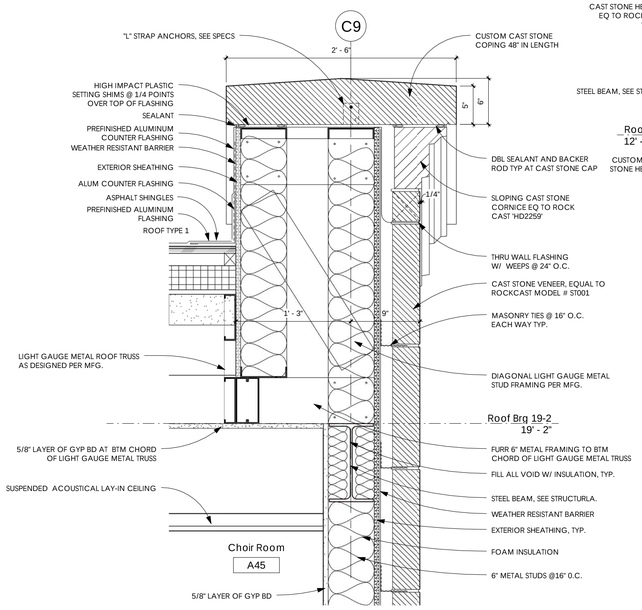
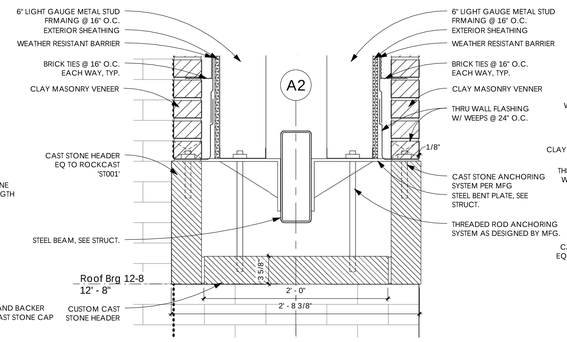
EXTERIOR SHEATHING TO ALIGN W/ CAST STONE VENEER BEYOND. PROVIDE PREFINISHED ALUM. COUNTER FLASHING OVER FACE OF CAST STONE, SEE SECTION '5/A6.2' FOR SIM. CONDITIONS.

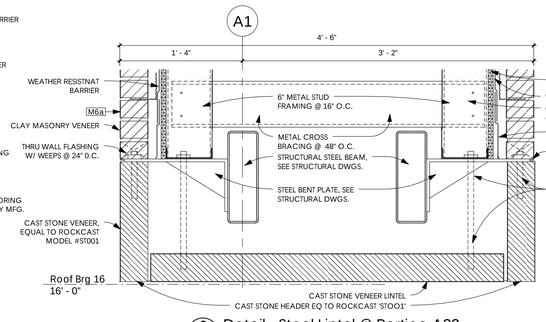
CAST STONE INSTALLATION AS DESIGNED BY CAST STONE MANUFACTURER.



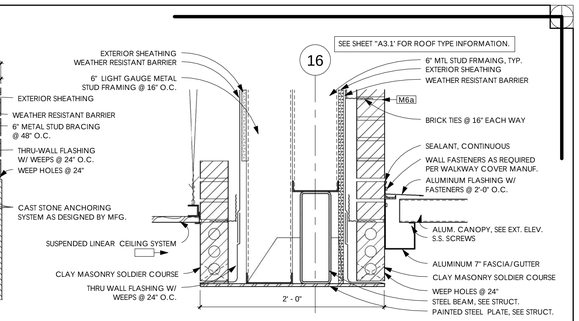
1 A8.3 Detail - Parapet Wall (Rake)
1 1/2" = 1'-0"



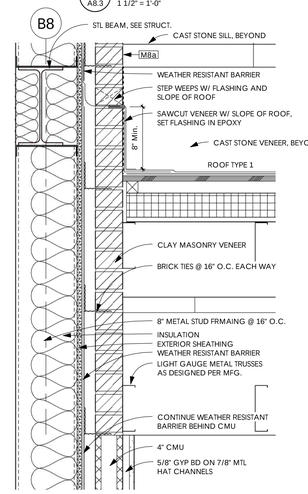
5 A8.3 Detail 1
1 1/2" = 1'-0"



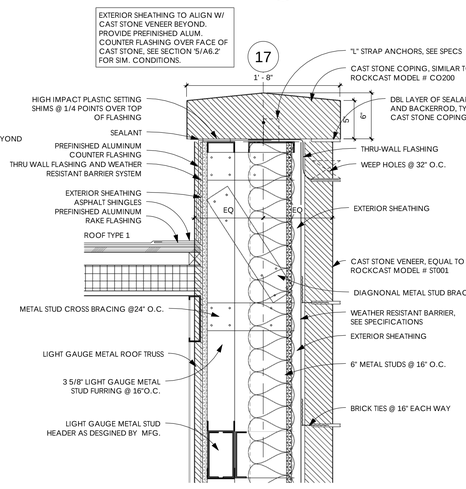
6 A8.3 Detail - Steel Lintel @ Portico A22
1 1/2" = 1'-0"



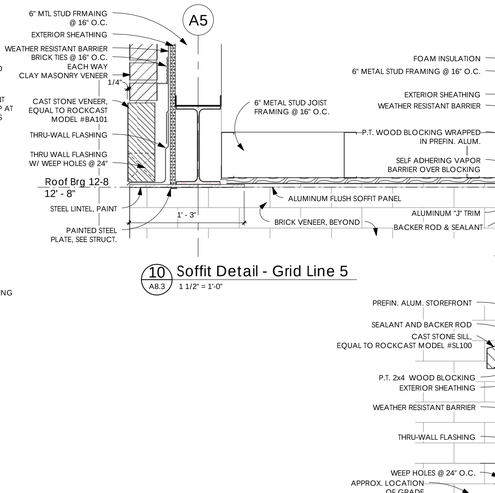
7 A8.3 Detail - Portico A18 (Walkway Cover Connection)
1 1/2" = 1'-0"



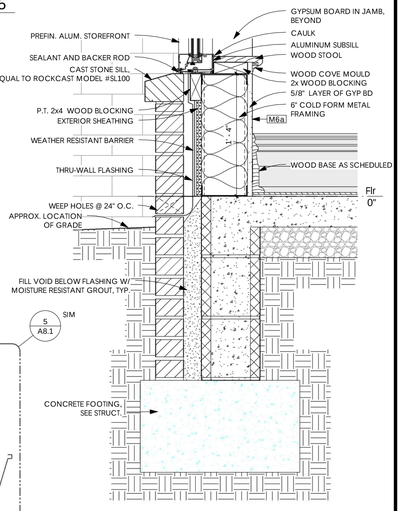
8 A8.3 Detail - Roof to Wall
1 1/2" = 1'-0"



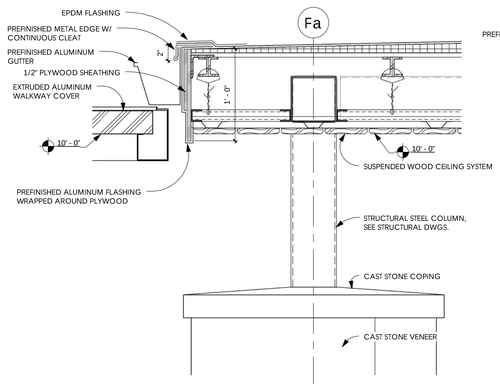
9 A8.3 Rake Detail - Portico A25
1 1/2" = 1'-0"



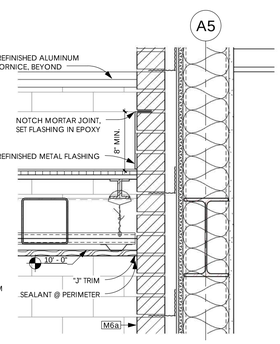
10 A8.3 Soffit Detail - Grid Line 5
1 1/2" = 1'-0"



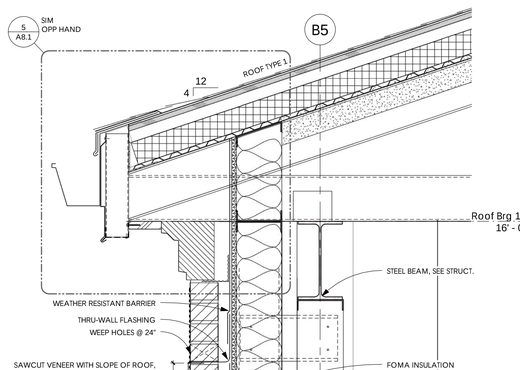
11 A8.3 Sill Detail - Grid Line 5
1 1/2" = 1'-0"



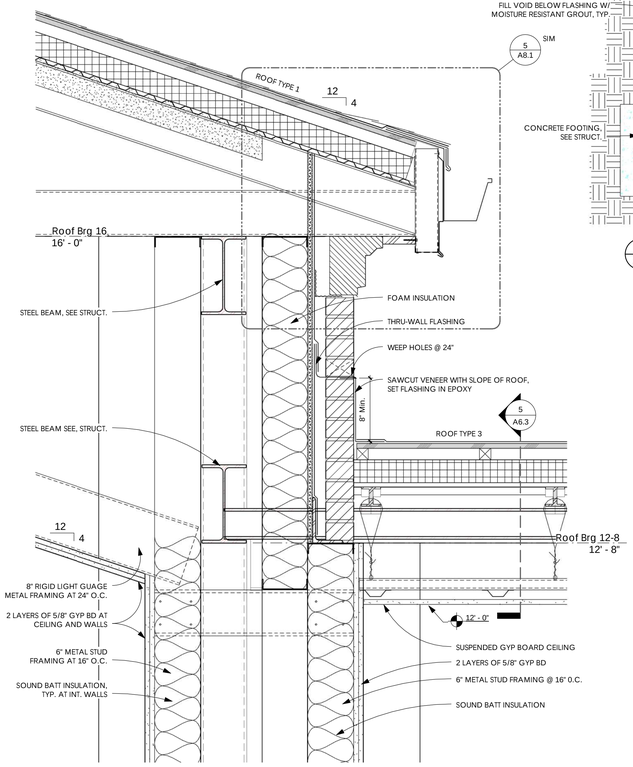
2 A8.3 Detail - Canopy to Canopy
1 1/2" = 1'-0"



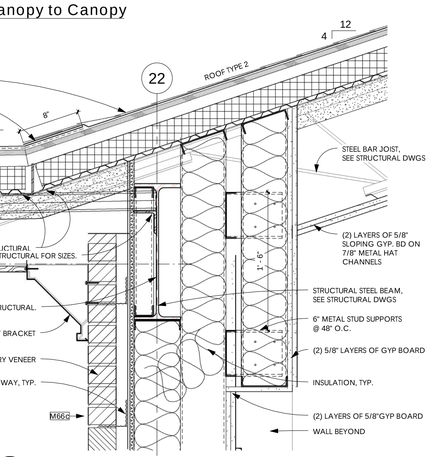
3 A8.3 Detail - Canopy to Wall
1 1/2" = 1'-0"



12 A8.3 Eave Detail - Grid Line B5
1 1/2" = 1'-0"



13 A8.3 Eave Detail - Grid Line B7
1 1/2" = 1'-0"



4 A8.3 Eave Detail - Flat Roof to Shingle
1 1/2" = 1'-0"

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Exterior Details

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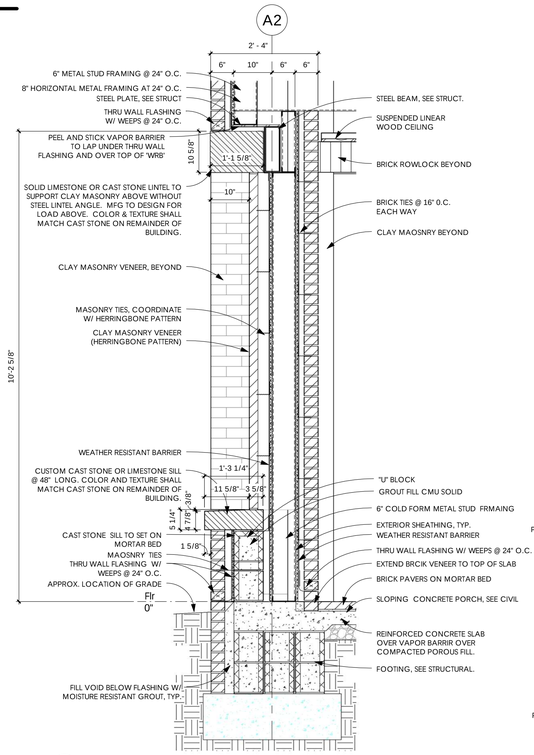
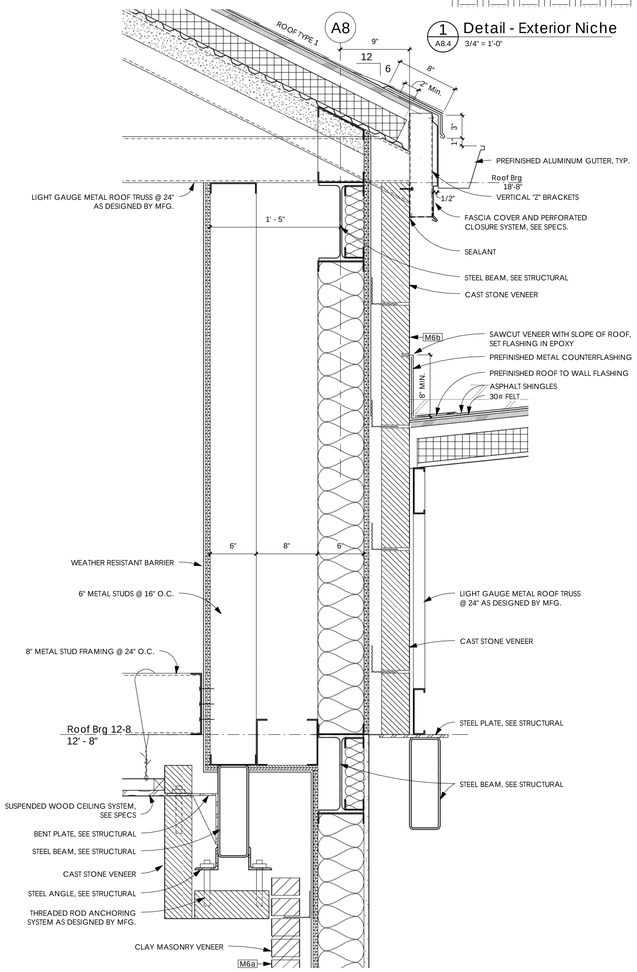
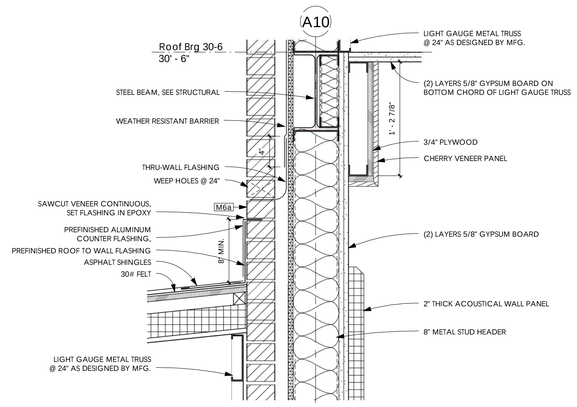


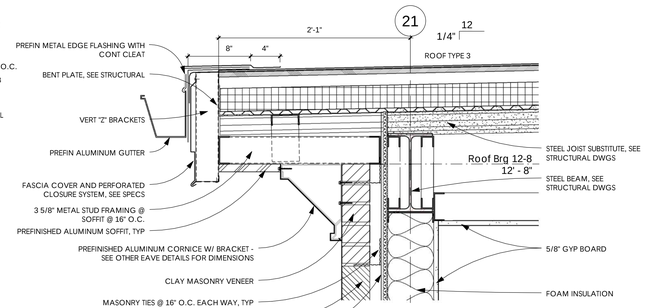
1 A8.4 Detail - Exterior Niche
3/4" = 1'-0"



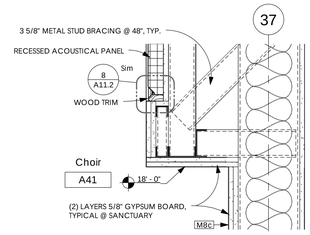
2 A8.4 Detail - Roof to Wall @ Portico A23
1 1/2" = 1'-0"



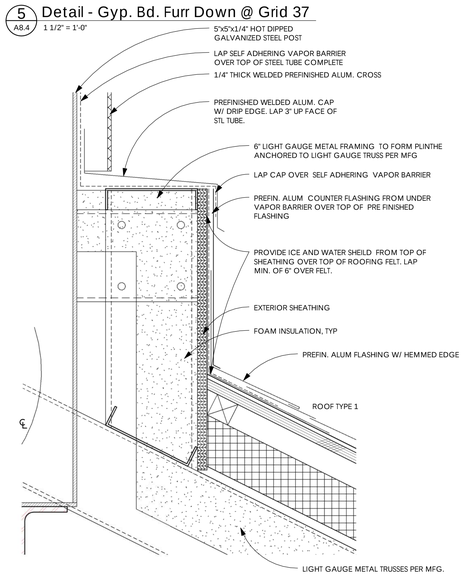
3 A8.4 Rake Detail - Sloped Roof to Veneer
1 1/2" = 1'-0"



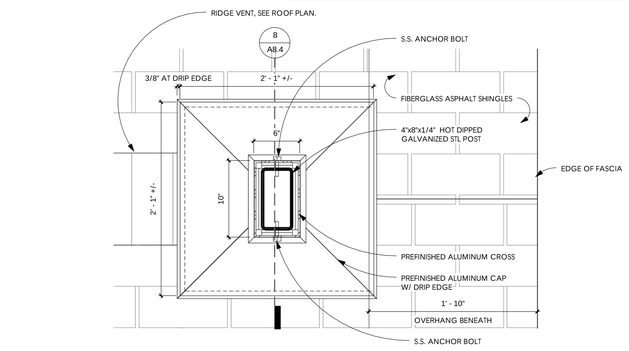
4 A8.4 Eave Detail - Grid Line 21
1 1/2" = 1'-0"



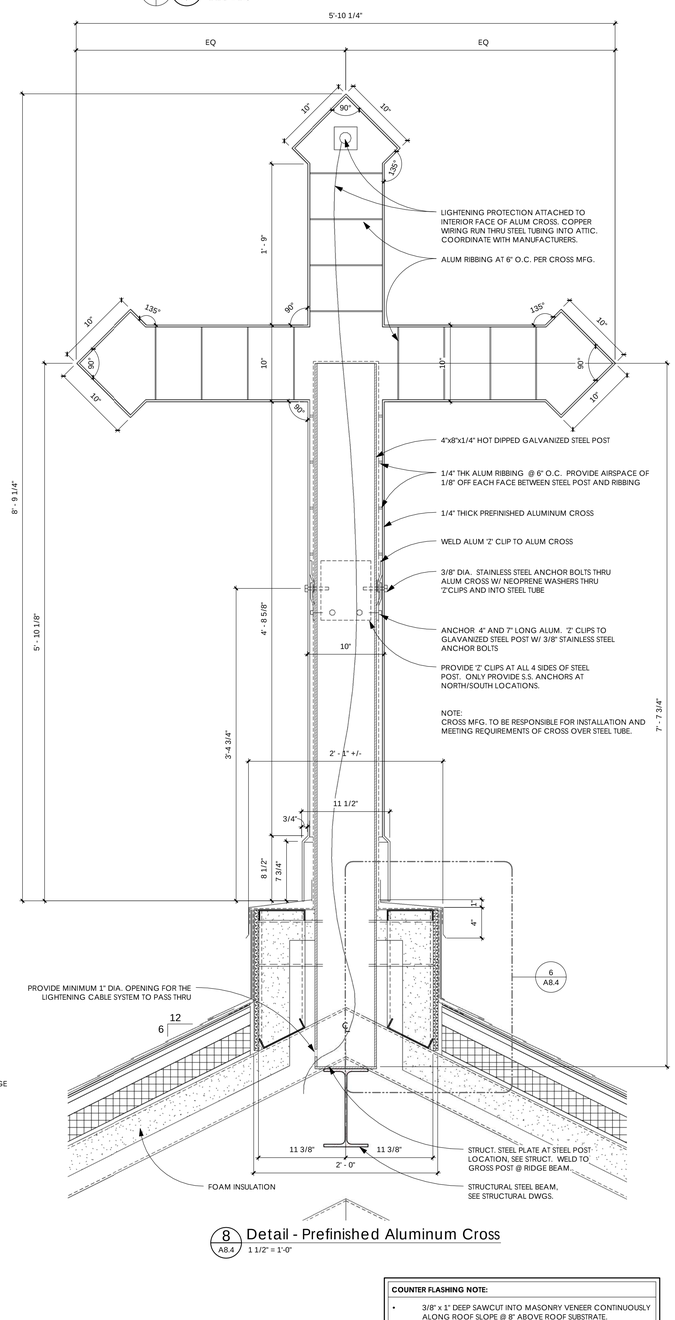
5 A8.4 Detail - Gyp. Bd. Furr Down @ Grid 37
1 1/2" = 1'-0"



6 A8.4 Masonry Cross Detail at Cap
3" = 1'-0"



N
7 A8.4 Plan Detail - Pre-Cast Concrete Masonry Cross
1 1/2" = 1'-0"



8 A8.4 Detail - Prefinished Aluminum Cross
1 1/2" = 1'-0"

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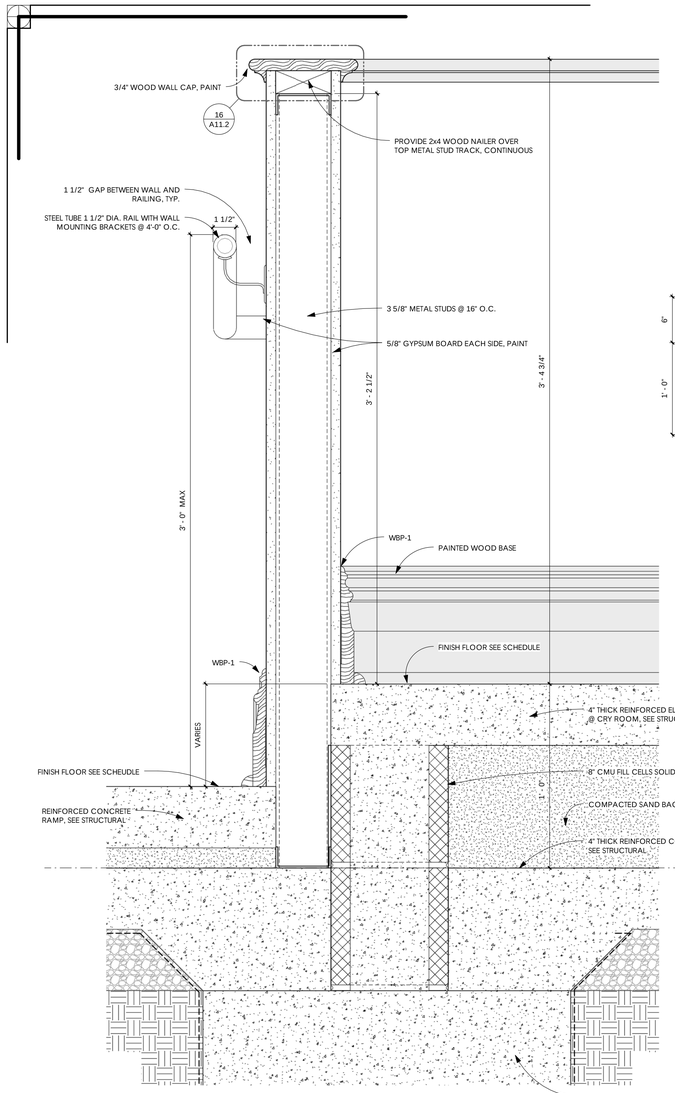
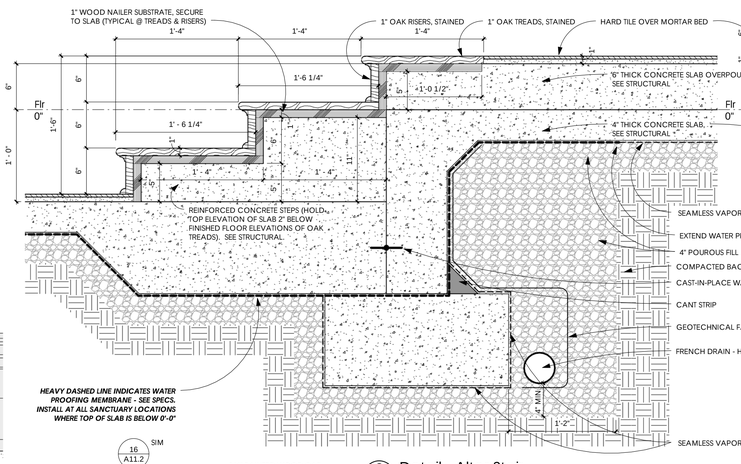
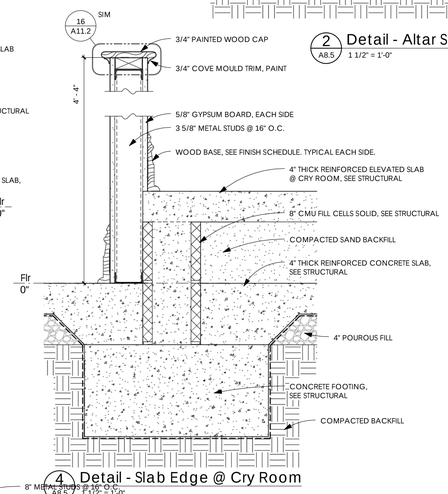


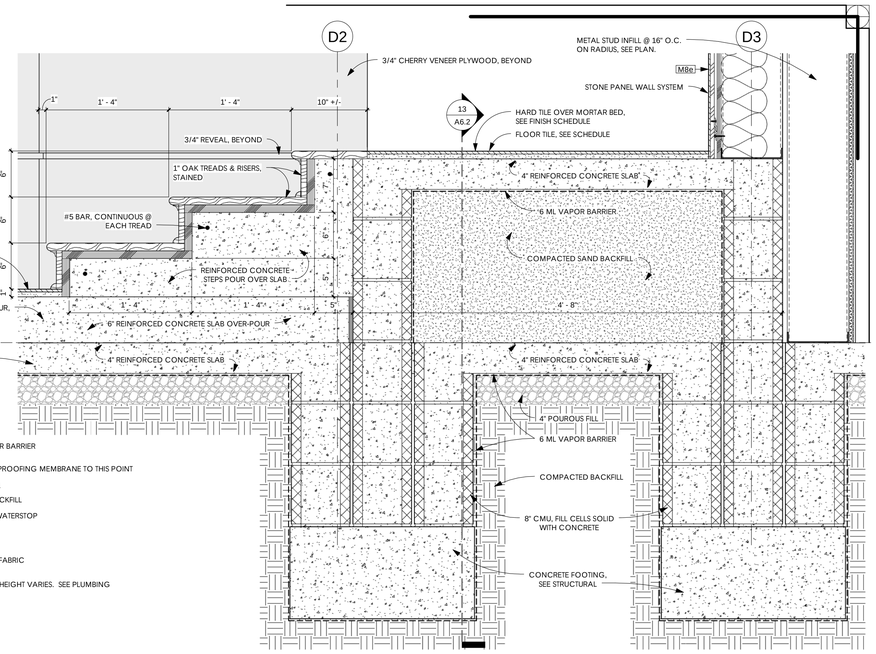
1 Detail - Handrail @ Cry Room
A8.5 3" = 1'-0"



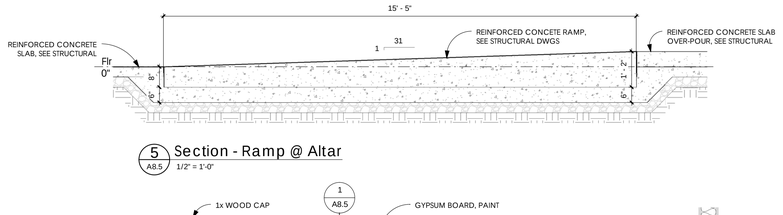
2 Detail - Altar Stair
A8.5 1 1/2" = 1'-0"



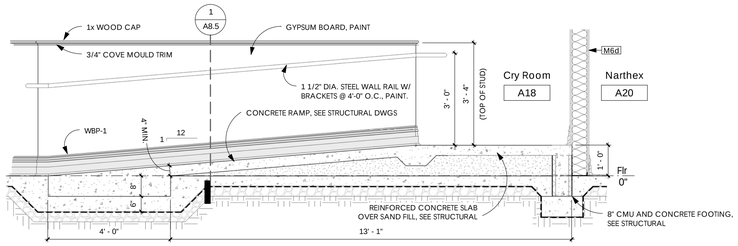
4 Detail - Slab Edge @ Cry Room
A8.5 1 1/2" = 1'-0"



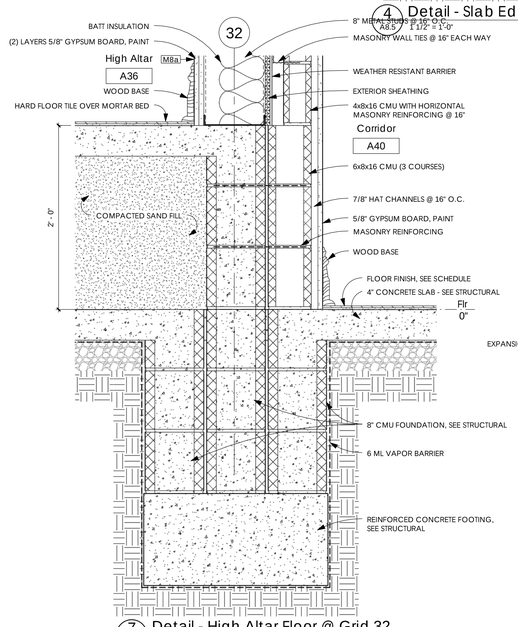
3 Detail - High Altar Stair
A8.5 1 1/2" = 1'-0"



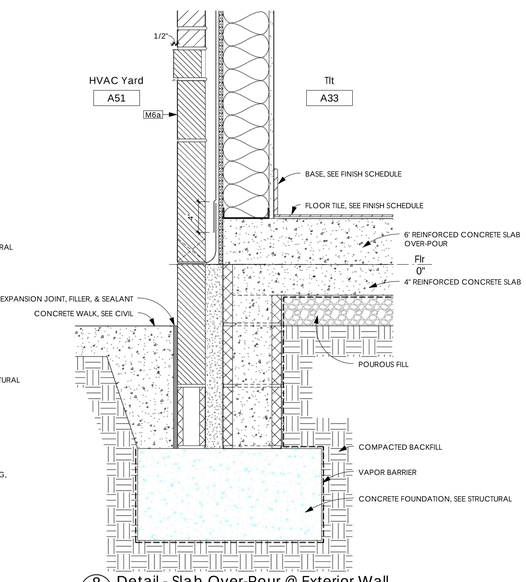
5 Section - Ramp @ Altar
A8.5 1/2" = 1'-0"



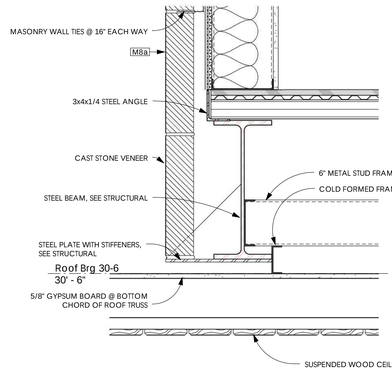
6 Section - Cry Room Ramp
A8.5 1/2" = 1'-0"



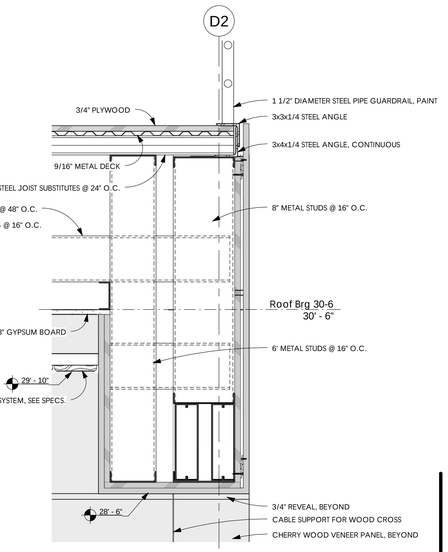
7 Detail - High Altar Floor @ Grid 32
A8.5 1 1/2" = 1'-0"



8 Detail - Slab Over-Pour @ Exterior Wall
A8.5 1 1/2" = 1'-0"



9 Detail - Floor Edge @ Attic Access Platform.
A8.5 1 1/2" = 1'-0"



10 Detail - Floor Edge @ Attic Access Platform
A8.5 1 1/2" = 1'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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Misc. Details

SHEET NUMBER A8.5

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FINISH LEGEND

NATURAL STONE

NS-1 MARBLE AS SUPPLIED BY FANTASY MARBLE
954.788.0433
COLOR: RED DRAGON
CONTACT: DANIEL MLADIN
SEE SPECS FOR INSTALLATION, ETC.

NS-2 MARBLE AS SUPPLIED BY DALTILE
COLOR: CARDINAL BEIGE POLISHED
GROUT: MAPEI #39 IVORY
CONTACT: ELIZABETH MELANCON
205.792.6449

NS-3 MARBLE AS SUPPLIED BY DALTILE
COLOR: CARDINAL BEIGE HONED
GROUT: MAPEI #39 IVORY
CONTACT: ELIZABETH MELANCON
205.792.6449

CARPET

CPT-1 J&J.INVISION (INSTALLED MONOLITHIC)
PATTERN: STACKED
COLOR: STIMULATE #1404
CONTACT: LAUREL BRANNON
334.294.9384

TILE BASE

TB-1 RAGNO ETERNAL LIMESTONE SERIES
COVE BASE 6"X13"
COLOR: LIMESTONE AN
GROUT: LATICRETE #35 MOCHA
CONTACT: SUZANNE DUNKIN

TB-2 RAGNO ARTE SERIES COVER BASE 6"X8"
COLOR: ARTE BI
GROUT: MAPEI #39 IVORY
CONTACT: SUZANNE DUNKIN

SEALED CONCRETE

SC EXPOSED CONCRETE FLOORING SLAB - SHALL RECEIVE BROOM FINISH AT ALL OCCUPIABLE AREAS, SUCH AS MECHANICAL & ELECTRICAL ROOMS.

WOOD FINISHES

WBP-1 WOOD BASE MOLDING
PAINTED P-2
FINISH: SEMI-GLOSS

WBS-2 WOOD BASE MOLDING STAINED
FINISH: EQUAL TO SAUDER PECAN ON CHERRY STAIN
*SUBMIT STAIN SAMPLE TO ARCHITECT FOR APPROVAL BEFORE STAINING

WCS-3 WOOD CEILING SYSTEM STAINED
FINISH: EQUAL TO SAUDER PECAN ON CHERRY STAIN
*SUBMIT STAIN SAMPLE TO ARCHITECT FOR APPROVAL BEFORE STAINING

WPS-4 WOOD PANELS STAINED
FINISH: EQUAL TO SAUDER PECAN ON CHERRY STAIN
*SUBMIT STAIN SAMPLE TO ARCHITECT FOR APPROVAL BEFORE STAINING

FLOOR TILE

T-1 RAGNO ETERNAL LIMESTONE SERIES 20"X20"
COLOR: LIMESTONE AN
GROUT: LATICRETE #35 MOCHA
CONTACT: SUZANNE DUNKIN
205.382.6268

T-2 RAGNO ARTE SERIES 12"X24"
COLOR: ARTE BI
GROUT: MAPEI #39 IVORY
CONTACT: SUZANNE DUNKIN
205.382.6268

T-3 RAGNO ETERNAL LIMESTONE SERIES 12"X24"
COLOR: LIMESTONE AN
GROUT: LATICRETE #35 MOCHA
CONTACT: SUZANNE DUNKIN
205.382.6268

T-4 RAGNO ARTE SERIES $3\frac{1}{4}$"X$6\frac{1}{2}$"
COLOR: ARTE BI
GROUT: MAPEI #39 IVORY
CONTACT: SUZANNE DUNKIN
205.382.6268

T-5 RAGNO ARTE SERIES 13"X13"
COLOR: ARTE BI
GROUT: MAPEI #39 IVORY
CONTACT: SUZANNE DUNKIN
205.382.6268

T-6 RAGNO ETERNAL LIMESTONE SERIES 13"X13"
COLOR: LIMESTONE AN
GROUT: LATICRETE #35 MOCHA
CONTACT: SUZANNE DUNKIN
205.382.6268

T-7 RAGNO ARTE SERIES 12"X24"
COLOR: ARTE BG
GROUT: MAPEI #39 IVORY
CONTACT: SUZANNE DUNKIN
205.382.6268

WALL TILE

WT-1 CROSSVILLE EBB & FLOW SERIES $\frac{3}{4}$"X3" STACKED
COLOR: FLORA AND FAUNA
GROUT: MAPEI #39 IVORY
CONTACT: DANA NORDEN
205.987.3617

WT-2 CROSSVILLE EBB & FLOW SERIES LINEAR MOSAIC
COLOR: FLORA AND FAUNA
GROUT: MAPEI #39 IVORY
CONTACT: DANA NORDEN
205.987.3617

WT-3 CROSSVILLE BLUESTONE SERIES 12"X24"
COLOR: COLORADO BUFF
GROUT: MAPEI #39 IVORY
CONTACT: DANA NORDEN
205.987.3617

WALL TILE TRIM PIECES

BN-1 CROSSVILLE BLUESTONE SERIES 4"X12" BULLNOSE
COLOR: COLORADO BUFF
GROUT: MAPEI #39 IVORY
CONTACT: DANA NORDEN
205.987.3617

PAINT

P-1 SHERWIN WILLIAMS
COLOR: 7632 MODERN GRAY

P-2 SHERWIN WILLIAMS
COLOR: 7633 MODERN TAUPE

P-3 SHERWIN WILLIAMS
COLOR: 7506 LOGGIA

P-4 SHERWIN WILLIAMS
COLOR: 7744 ZEUS

P-5 SHERWIN WILLIAMS
COLOR: 0049 SILVER GRAY

P-6 SHERWIN WILLIAMS
COLOR: 2821 DOWNING STONE

P-7 SHERWIN WILLIAMS
COLOR: 7046 ANONYMOUS

WALLCOVERING

WC-1 NATIONAL WALLCOVERING
PATTY MADDEN
PATTERN: CASSINI - STAR LXB-CAS-13
CONTACT: DAPHNE DONALDSON
205.514.2042

WC-2 NATIONAL WALLCOVERING
PATTY MADDEN
PATTERN: HOUR GLASS - DOVE LXB-HRG-13
CONTACT: DAPHNE DONALDSON

TRANSITION STRIPS

TS-1 SCHLUTER
MODEL: RENO-TK ATEK-100
FINISH: SATIN ANODIZED ALUMINUM

MT SYNTHETIC MARBLE TRANSITION STRIP
COLOR: ALMOND

VENETIAN PLASTER

VP-1 VENETIAN PLASTER FINISH
SEE SPECS FOR FULL INFORMATION
FINISH: EQUAL TO FIRMOLUX
MARMORINO RAVINA/MARMORINO
BERLINA #8-107

PLASTIC LAMINATE

PL-1 WILSONART
PATTERN: SHEER MESH 4876-38

PL-2 NEVAMAR
PATTERN: COOL CHIC VA7002T

PL-3 NEVAMAR
PATTERN: FOUNDRY S2084T

PL-4 WILSONART
PATTERN: SILICON EV 4811-60

WALL PANEL FABRICS

*SEE NOTE #18 FOR EDGE DETAILS.

WPF-1 HBF TEXTILES
PATTERN: FUSION
COLOR: SHELL 865-10
CONTACT: TOMMIE FORD
205.305.8102

WPF-2 HBF TEXTILES
PATTERN: FUSION
COLOR: PLATINUM 865-37
CONTACT: TOMMIE FORD
205.305.8102

SOLID SURFACE COUNTERTOPS

SS-1 FORMICA
COLOR: PEARL MICA

SS-2 CORIAN
COLOR: SAVANNAH

LIGHT PANEL

LP-1 LUMONYX
COLOR: LUM-19
CONTACT: 903.454.0904

TOILET PARTITIONS

TP-1 WILSONART
PATTERN: SHEER MESH 4876-38
SEE SPECS FOR FULL INFORMATION ON TOILET PARTITIONS.

SAT CEILING TILE

SAT ARMSTRONG
COLOR: WHITE
SEE SPECS FOR FULL INFORMATION ON ACOUSTICAL CEILING TILES.

FINISH NOTES:

1. PAINT P-1 SHALL BE PAINTED ON ALL WALLS UNLESS NOTED OTHERWISE.
2. CENTER TILE IN ROOM/AREA.
3. CONTRACTOR SHALL ORDER PLASTIC LAMINATE IN LARGE SHEETS TO AVOID SEAMS.
4. PAINTER SHALL PAINT A SAMPLE OF EACH ACCENT PAINT IN LOCATIONS SPECIFIED PER FINISH PLANS FOR ARCHITECT'S APPROVAL.
5. SEE MOLDING DETAILS ON A11.2 FOR ALL CROWN MOLDING, BASE MOLDING, CHAIR RAIL, AND DOOR AND WINDOW CASINGS PROFILE DETAILS AND LOCATIONS.
6. PROVIDE TRANSITION STRIP WHERE TRANSITION OF FLOORING MATERIALS MEET. REFER TO A9.1 FLOOR FINISH PLAN FOR TYPE OF TRANSITION BETWEEN CHANGE OF FLOORING MATERIALS. FLOAT CARPET UP TO METAL TRANSITION STRIP AS REQUIRED FOR A FLUSH TRANSITION BETWEEN CARPET, TRANSITION STRIP AND TILE. ALL TRANSITIONS SHALL OCCUR UNDER DOOR.
7. PROVIDE PLASTIC LAMINATE TOE KICK AT ALL PLASTIC LAMINATE BASE CABINETS.
8. UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN ALL CEILING GRID IS TO BE WHITE.
9. SEE A9.1FLOOR FINISH PLAN FOR TYPE OF BASE USED IN EACH AREA.
10. ALL ELECTRICAL OUTLETS, SWITCH PLATE COVER AND DEVICE COLOR SHALL BE SELECTED BY DESIGNER. CONTRACTOR SHALL SUBMIT SAMPLE OF ALL OPTIONS FOR APPROVAL.
11. ALL WALL PAINT FINISH TO BE EGGSHELL. ALL CEILING PAINT FINISH TO BE FLAT. ALL WOOD TRIM FINISH TO BE SEMI-GLOSS UNLESS OTHERWISE NOTED.
12. CABINET HARDWARE FINISH SHALL BE STAINLESS STEEL FOR ALL CABINETS. HARDWARE EQUAL TO AMEROCK MODEL #BP19541SS.
13. **ALL AREAS WITH CERAMIC TILE SHALL HAVE DOUBLE LAYERED WATERPROOF MEMBRANE INSTALLED PER SPECIFICATIONS; EXCEPT FOR AREAS WHERE TILE IS INSTALLED SLAB ON GRADE. TURN WATERPROOF MEMBRANE UP ALL TO 1" BELOW TOP OF TILE BASE OR 6" BEHIND WALL TILE.**
14. FOR WOOD CEILINGS IN SANCTUARY A27 AND DAY CHAPEL A30, STAIN SHALL BE EQUAL TO THE FOLLOWING:
15. AT SOLID SURFACE COUNTERTOP LOCATIONS, ALL EXPOSED EDGES SHALL BE FINISHED/EASED. THIS INCLUDES APRON EDGES, EDGES AT UNDERMOUNT SINK LOCATIONS, AND EDGES AT WASTE RECEPTACLES.
16. SEE PLUMBING FOR PLUMBING FIXTURE TYPES, INCLUDING UNDERMOUNT SINK/LAV BASIN LOCATIONS, AND FINISH SOLID SURFACE COUNTERTOPS ACCORDINGLY. DEPICTION OF LAVS, FAUCETS, AND OTHER PLUMBING FIXTURES ARE ONLY GENERIC IN THE ARCHITECTURAL DRAWINGS.
17. PAINTING CONTRACTOR SHALL PROVIDE A QUART OF EACH CEILING COLOR TO THE FIRE SPRINKLER SUBCONTRACTOR. THIS REQUIREMENT WILL NEED TO BE SUBMITTED EARLY IN THE CONSTRUCTION PROCESS IN ORDER TO PROVIDE TEN WEEKS OF FABRICATION AND DELIVERY TIME FOR THE FIRE SPRINKLER EQUIPMENT. THIS PAINT SHALL BE USED FOR THE FACTORY PRIMING OF THE EXPOSED SPRINKLER HEADS. THE GENERAL CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO THIS REQUIREMENT AND THEIR SCHEDULE INCLUDING TYPE OF PAINT TO SUPPLY, ETC.
18. ACOUSTICAL WALL PANELS IN SANCTUARY SHOWN WITH PANEL MOULD DETAIL AROUND THE PANEL SHALL HAVE A BEVELED EDGE. ALL OTHER WALL PANELS SHALL HAVE RADIUSED EDGES.

WOOD FINISH SCHEDULE

*WHERE THE FOLLOWING ITEMS ARE SHOWIN IN THE DRAWINGS AS FINISH GRADE WOOD, THE WOOD SPECIES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE.

- ACOUSTICAL PANEL SURROUNDS - PAINT-GRADE
- ALTAR NOSING, TREADS, AND RISERS - OAK
- BASE MOLDING - PAINT GRADE
- DECORATIVE BRACKETS - CHERRY
- DECORATIVE LINTELS - OAK
- FAUX WOOD BEAMS AT SANCTUARY - CHERRY
- NEWEL POSTS - CHERRY
- OPERABLE PARTITIONS - CHERRY
- PLYWOOD COLUMNS AT BOTH SIDES OF CROSS AT ALTAR - CHERRY
- WOOD CEILINGS - ASH
- TRIM AT DOORS - PAINT GRADE
- TRIM & SOFFIT ABOVE OPERABLE PARTITIONS - CHERRY
- STILE AND RAIL WALL PANELS - CHERRY
- VERTICAL ALTAR EDGE & TRIM - OAK
- EXTERIOR DOORS - SPANISH CEDAR STAINED TO MATCH PEWS
- INTERIOR DOORS - CHERRY STAINED TO MATCH PEWS

WOOD FINISH NOTES

1. GRADE OF WOOD FINISH MATERIALS SHALL BE AS SPECIFIED. SOME WOOD FINISHES ARE LUMBER, AND SOME ARE PLYWOOD. SEE DRAWINGS FOR LUMBER AND PLYWOOD LOCATIONS.

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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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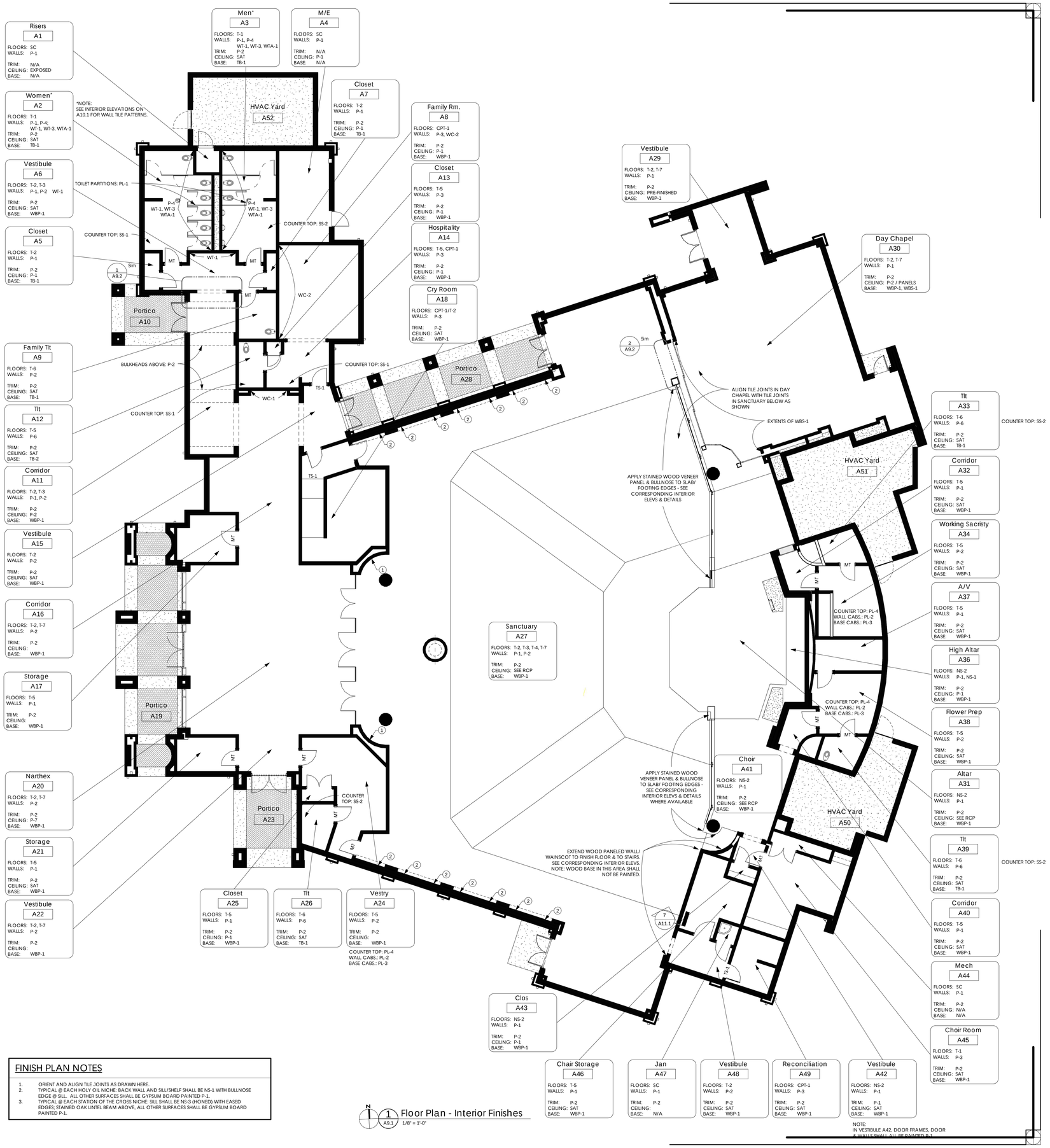
Finish Legend

SHEET NUMBER A9.0



FINISH PLAN LEGEND

NOTE:
- **APPLIES TO 1/8" SCALE FINISH PLANS**
- **SEE SHEET A9.2 FOR FLOOR TILE PATTERNS**

CPT-1
- INSTALLED MONOLITHIC

EXPOSED CONCRETE SLAB
- **SHALL RECEIVE BROOM FINISH AT ALL OCCUPIABLE AREAS, SUCH AS MECHANICAL & ELECTRICAL ROOMS**

CONCRETE SIDEWALK
- **SEE CIVIL**

BRICK PAVERS W/ HERRINGBONE PATTERN

ROOM FINISH TAG

Room name
101

FLOORS: T-1 ← FLOOR FINISH. SEE PATTERNS ON FLOOR FINISH PLAN FOR MORE INFORMATION.
WALLS: P-2, P-2, WT-1, WT-3, WTA-1 ← WALL FINISH. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
TRIM: P1
CEILING: P-1 ← CEILING FINISH. SEE REFLECTED CEILING PLAN FOR MORE INFORMATION.
BASE: RB-1

***NOTE: FINISHES SHOWN ON ROOM FINISH TAG SHALL APPLY UNLESS NOTED OTHERWISE ON FINISH PLANS, INTERIOR ELEVATIONS, OR REFLECTED CEILING PLANS.**

WALL - SEE WALL TYPES & WALL SECTIONS

FINISH PLAN NOTES

1. ORIENT AND ALIGN TILE JOINTS AS DRAWN HERE.
2. TYPICAL @ EACH HOLY OIL NICHE: BACK WALL AND SILL/SHELF SHALL BE NS-1 WITH BULLNOSE EDGE @ SILL. ALL OTHER SURFACES SHALL BE GYPSUM BOARD PAINTED P-1.
3. TYPICAL @ EACH STATION OF THE CROSS NICHE: SILL SHALL BE NS-3 (HONED) WITH EASED EDGES; STAINED OAK LINTEL BEAM ABOVE, ALL OTHER SURFACES SHALL BE GYPSUM BOARD PAINTED P-1.

N

1 / A9.1 Floor Plan - Interior Finishes
1/8" = 1'-0"

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STATE OF ALABAMA
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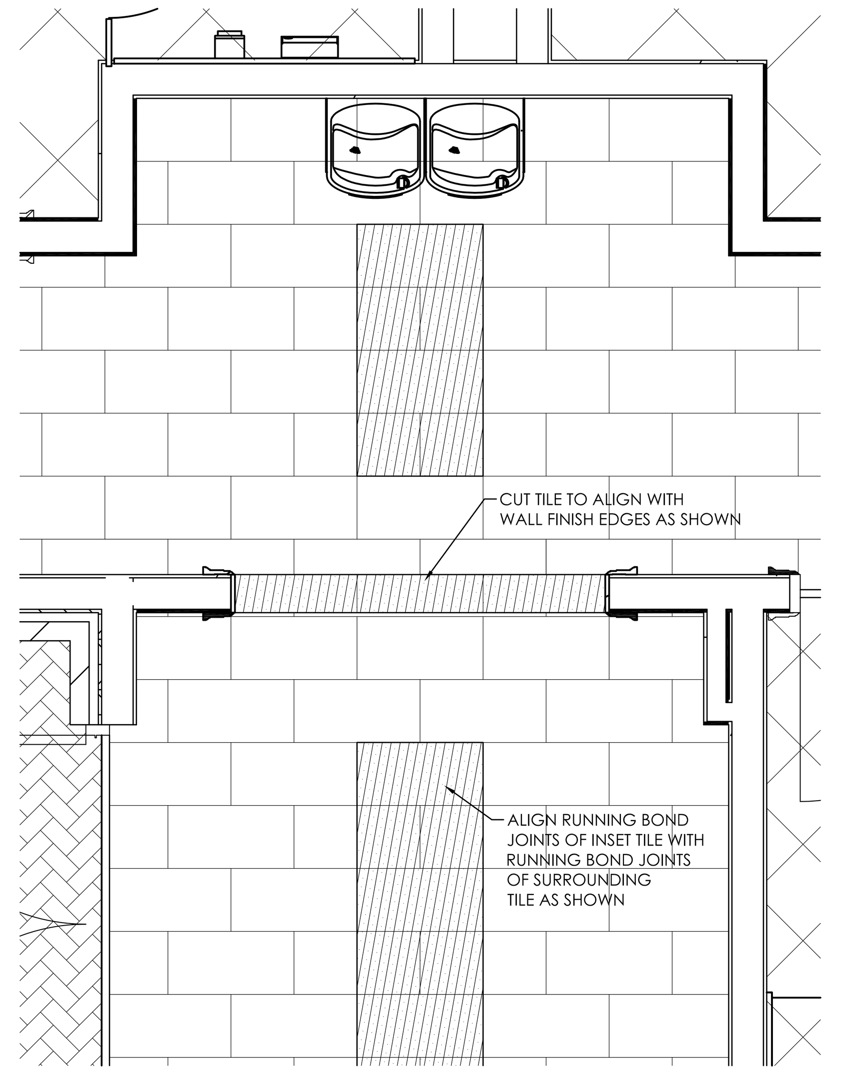
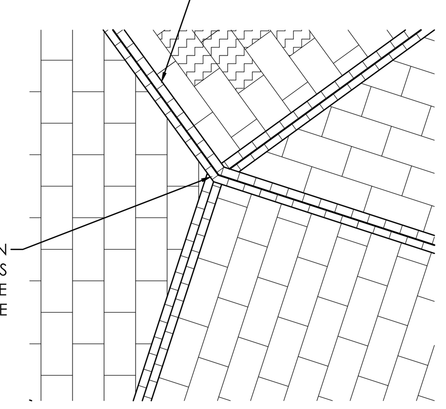
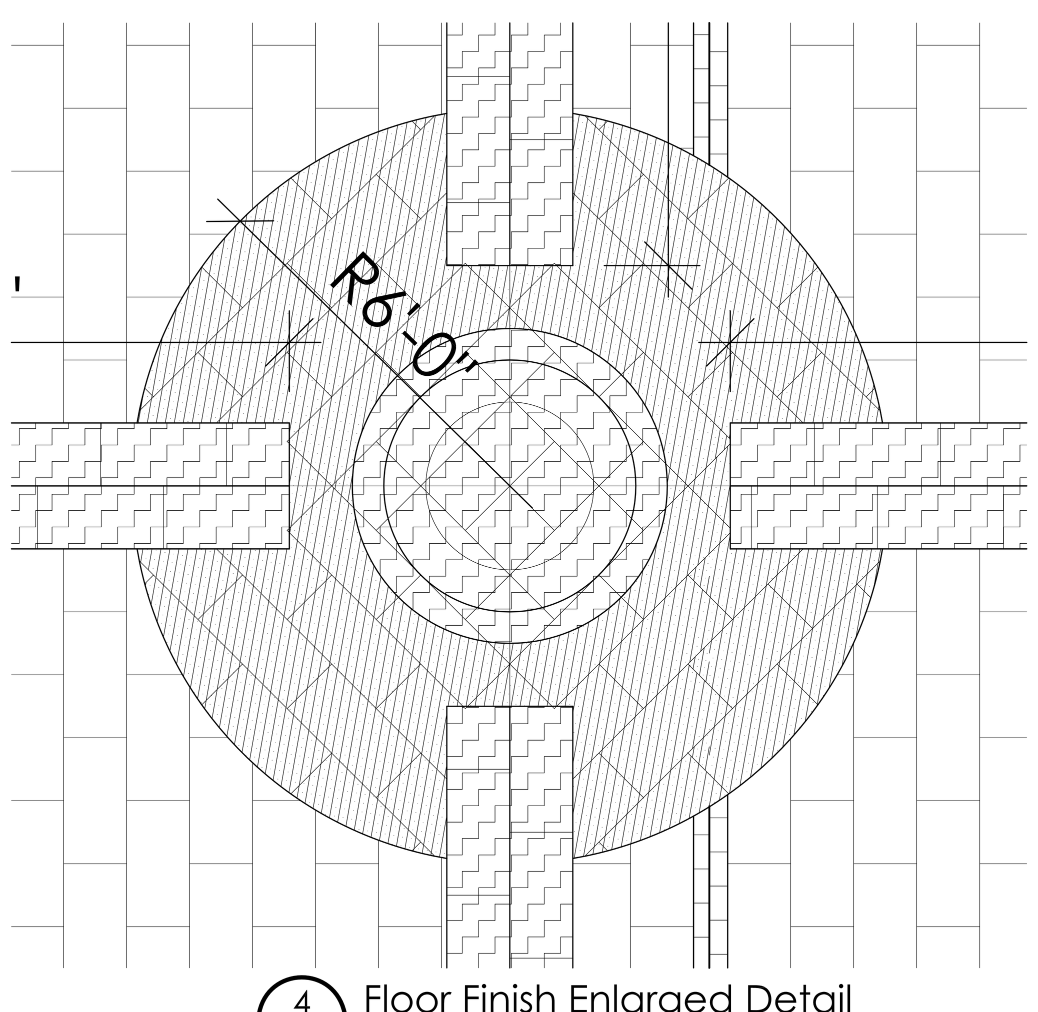


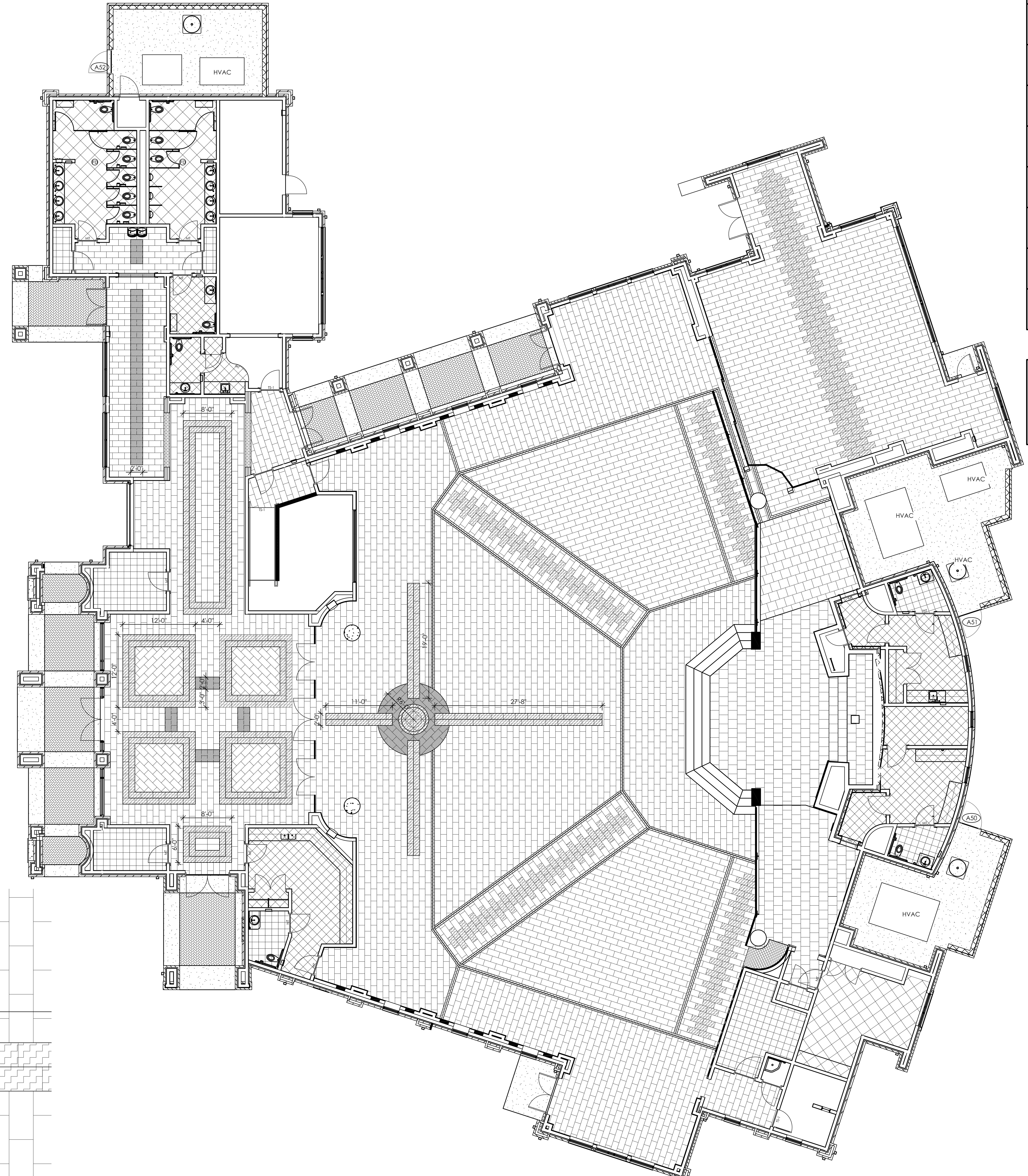
2 A9.2 Floor Finish Detail
1/2" = 1'-0"



3 A9.2 Floor Finish Detail
1/4" = 1'-0"



4 A9.2 Floor Finish Enlarged Detail
1/2" = 1'-0"



1 A9.2 Floor Tile Pattern Plan
1/8" = 1'-0"

FLOORING FINISH LEGEND

NATURAL STONE		FLOOR TILE	
NS-1	MARBLE AS SUPPLIED BY FANTASY MARBLE 954.788.0433 COLOR: RED DRAGON GROUT: CONTACT: DANIEL MLADIN	T-1	RAGNO ETERNAL LIMESTONE SERIES 20"X20" COLOR: LIMESTONE AN GROUT: LATICRETE #35 MOCHA CONTACT: JIM DOZIER 205.988.3913
NS-2	MARBLE AS SUPPLIED BY DALTILE COLOR: CARDINAL BEIGE POLISHED GROUT: MAPEI #39 IVORY CONTACT: ELIZABETH MELANCON 205.792.6449	T-2	RAGNO ARTE SERIES 12"X24" COLOR: ARTE BI GROUT: MAPEI #39 IVORY CONTACT: JIM DOZIER 205.988.3913
NS-3	MARBLE AS SUPPLIED BY DALTILE COLOR: CARDINAL BEIGE HONED GROUT: MAPEI #39 IVORY CONTACT: ELIZABETH MELANCON 205.792.6449	T-3	RAGNO ETERNAL LIMESTONE SERIES 12"X24" COLOR: LIMESTONE AN GROUT: LATICRETE #35 MOCHA CONTACT: JIM DOZIER 205.988.3913
CARPET		T-4	RAGNO ARTE SERIES 3¼"X6½" COLOR: ARTE BI GROUT: MAPEI #39 IVORY CONTACT: JIM DOZIER 205.988.3913
CPT-1	J&J.INVISION PATTERN: STACKED COLOR: STIMULATE #1404 CONTACT: LAUREL BRANNON 334.294.9384	T-5	RAGNO ARTE SERIES 13"X13" COLOR: ARTE BI GROUT: MAPEI #39 IVORY CONTACT: JIM DOZIER 205.988.3913
		T-6	RAGNO ETERNAL LIMESTONE SERIES 13"X13" COLOR: LIMESTONE AN GROUT: LATICRETE #35 MOCHA CONTACT: JIM DOZIER 205.988.3913
		T-7	RAGNO ARTE SERIES 12"X24" COLOR: ARTE BG GROUT: MAPEI #39 IVORY CONTACT: JIM DOZIER 205.988.3913

NOTES:

1. REFER TO A9.1 INTERIOR FINISH PLAN FOR FLOORING MATERIAL USED IN EACH AREA.
2. REFER TO A9.0 FINISH LEGEND FOR OVERALL LIST OF ALL INTERIOR FINISHES USED.
3. ANY QUESTIONS REGARDING FLOORING MATERIALS USED OR PATTERNS SHOULD BE DIRECTED TO THE ARCHITECT PRIOR TO INSTALLATION.
4. TRANSITIONS TYPES BETWEEN CHANGE OF FLOORING ARE SHOWN ON A9.2. REFER TO A9.0 FINISH LEGEND FOR FULL INFO ON ALL TRANSITIONS.

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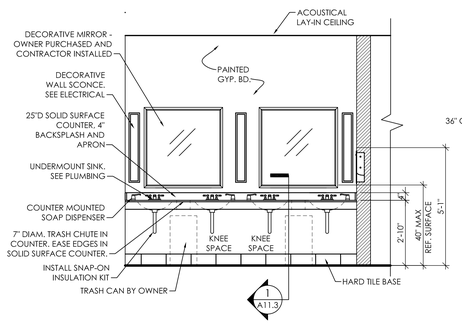
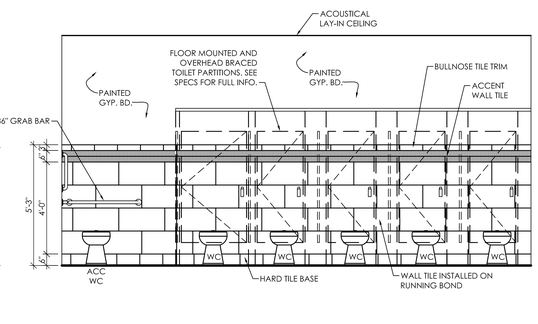
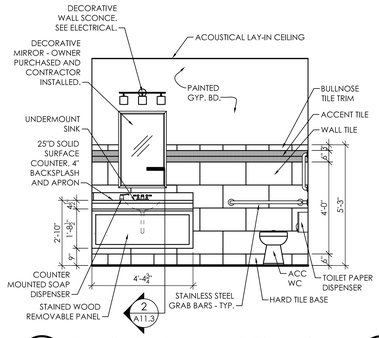
Floor Tile Patterns	
SHEET NUMBER	A9.2



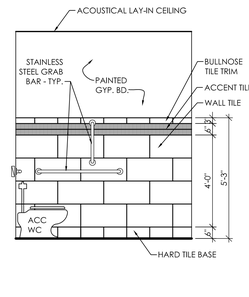
1 A10.1 Women Restroom A2 Elevation
3/8" = 1'-0" Mens Restroom A3 SIM OPP



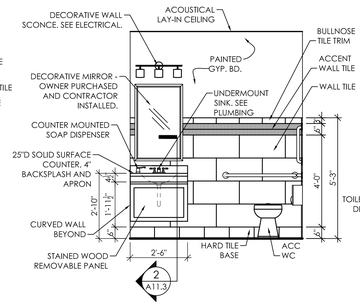
2 A10.1 Women Restroom A2 Elevation
3/8" = 1'-0" Mens Restroom A3 SIM OPP



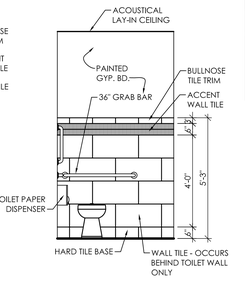
3 A10.1 Family Restroom A9 Elevation
3/8" = 1'-0"



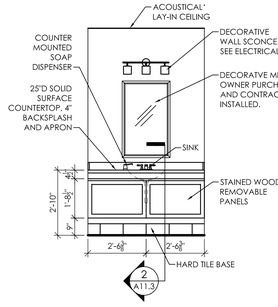
4 A10.1 Family Restroom A9 Elevation
3/8" = 1'-0"



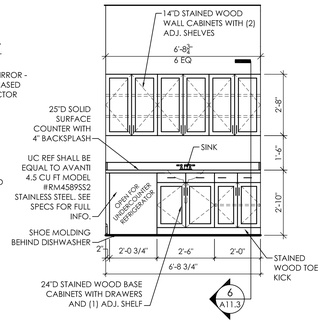
5 A10.1 Restroom A39 Elevation
3/8" = 1'-0" Restroom A33 SIM OPP



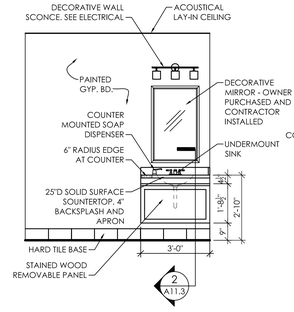
6 A10.1 Restroom A12 Elevation
3/8" = 1'-0"



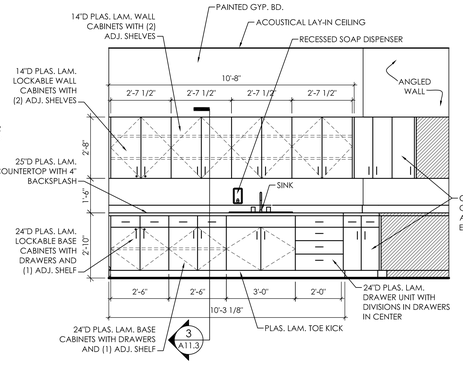
7 A10.1 Restroom A12 Elevation
3/8" = 1'-0"



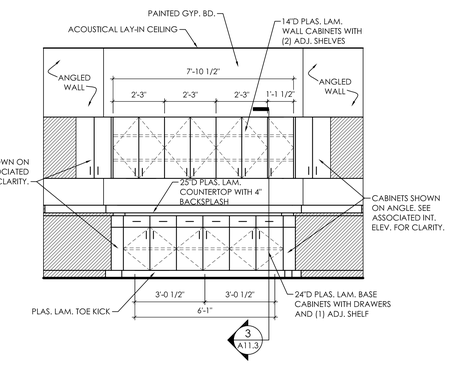
8 A10.1 Hospitality A14 Elevation
3/8" = 1'-0"



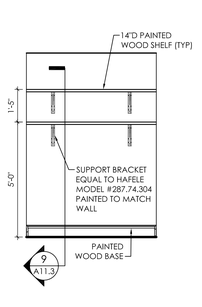
9 A10.1 Restroom A26 Elevation
3/8" = 1'-0"



10 A10.1 Vestry A24 Elevation
3/8" = 1'-0"



10 A10.1 Vestry A24 Elevation
3/8" = 1'-0"



12 A10.1 Closet A43 Elevation
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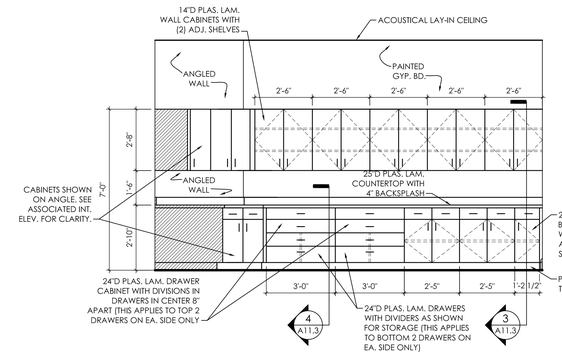
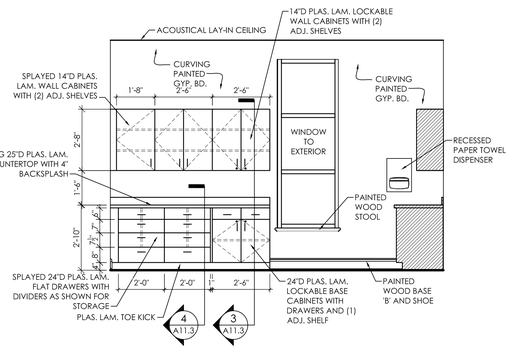
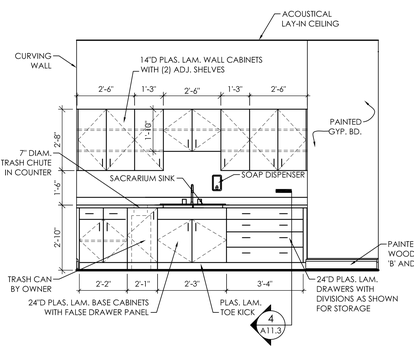


13 A10.1 Vestry A24 Elevation
3/8" = 1'-0"



14 A10.1 Working Sacristy A34 Elevation
3/8" = 1'-0"



15 A10.1 Working Sacristy A34 Elevation
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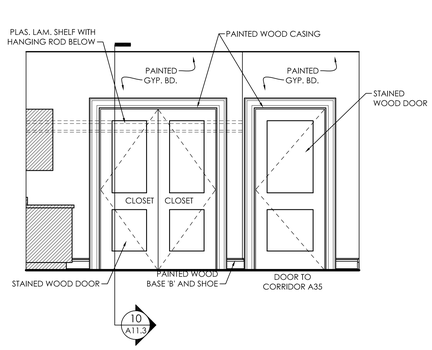

16 A10.1 Working Sacristy A34 Elevation
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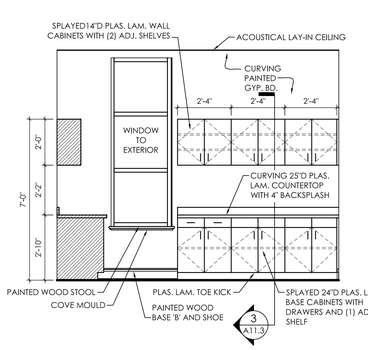
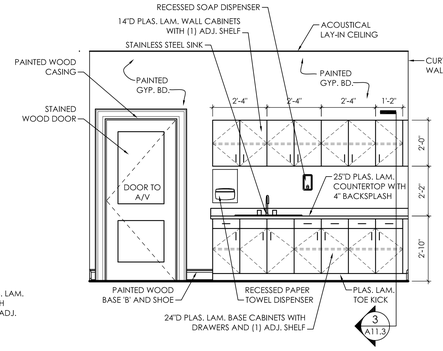
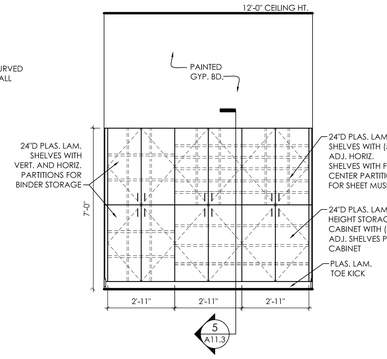


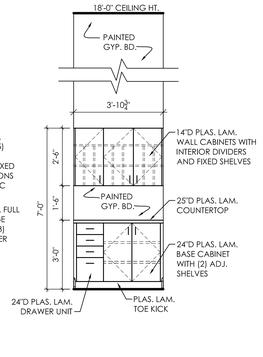
17 A10.1 Flower Prep A38 Elevation
3/8" = 1'-0"



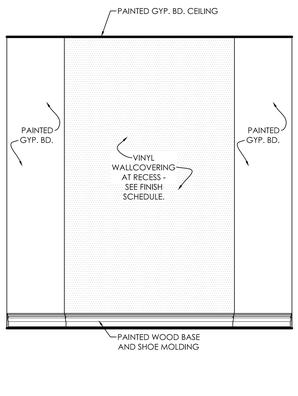
18 A10.1 Flower Prep A38 Elevation
3/8" = 1'-0"



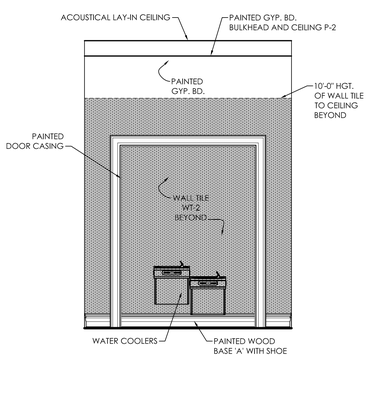
19 A10.1 Choir Room A45 Elevation
3/8" = 1'-0"



20 A10.1 Choir Room A45 Elevation
3/8" = 1'-0"



21 A10.1 Corridor A16 Feature Wall Elevation
3/8" = 1'-0"



22 A10.1 Corridor A11/Vestibule A6 Elevation
3/8" = 1'-0"

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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
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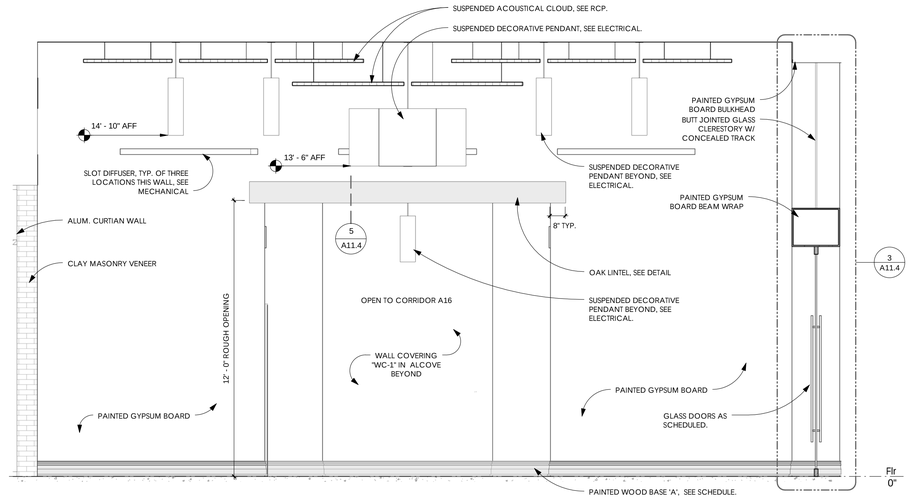
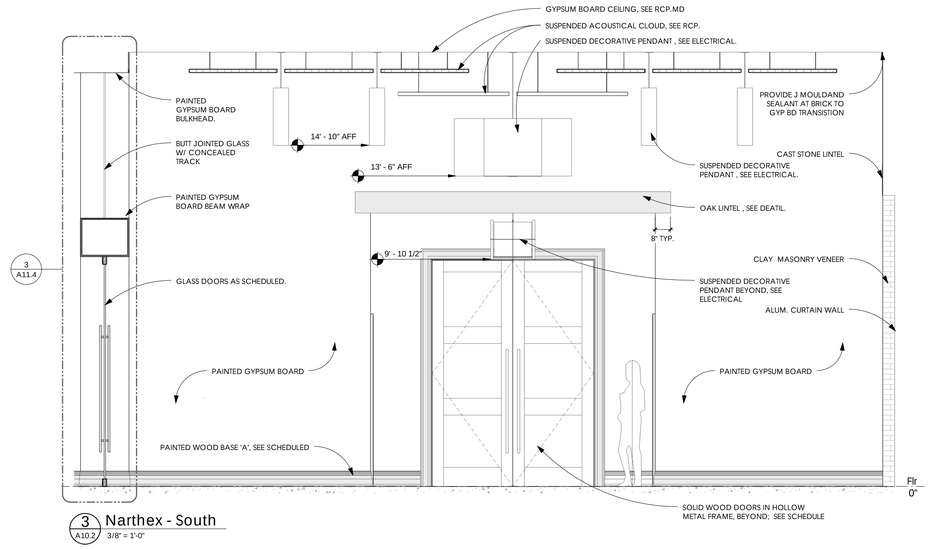
Interior Elevations

SHEET NUMBER A10.1

11/1/2012 8:17:24 AM



1 A10.2 Narthex - North
3/8" = 1'-0"



3 A10.2 Narthex - South
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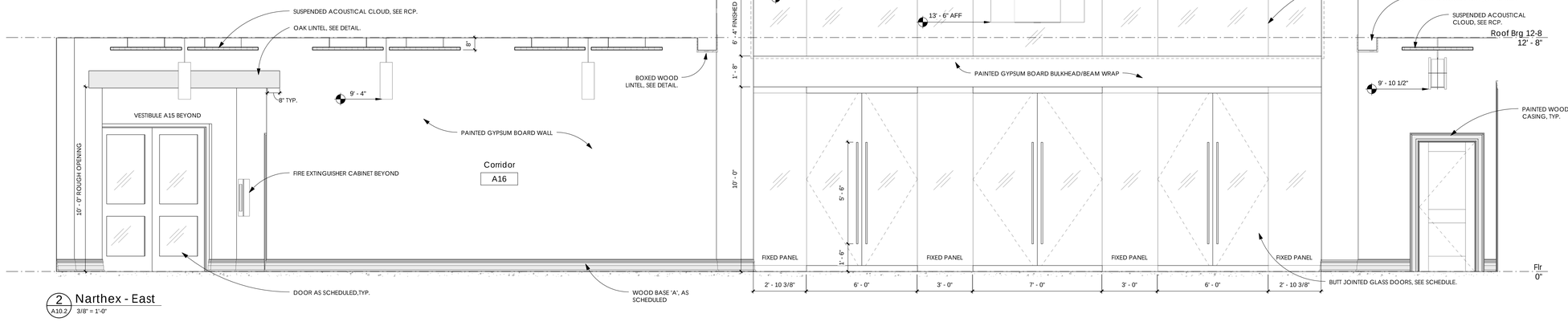
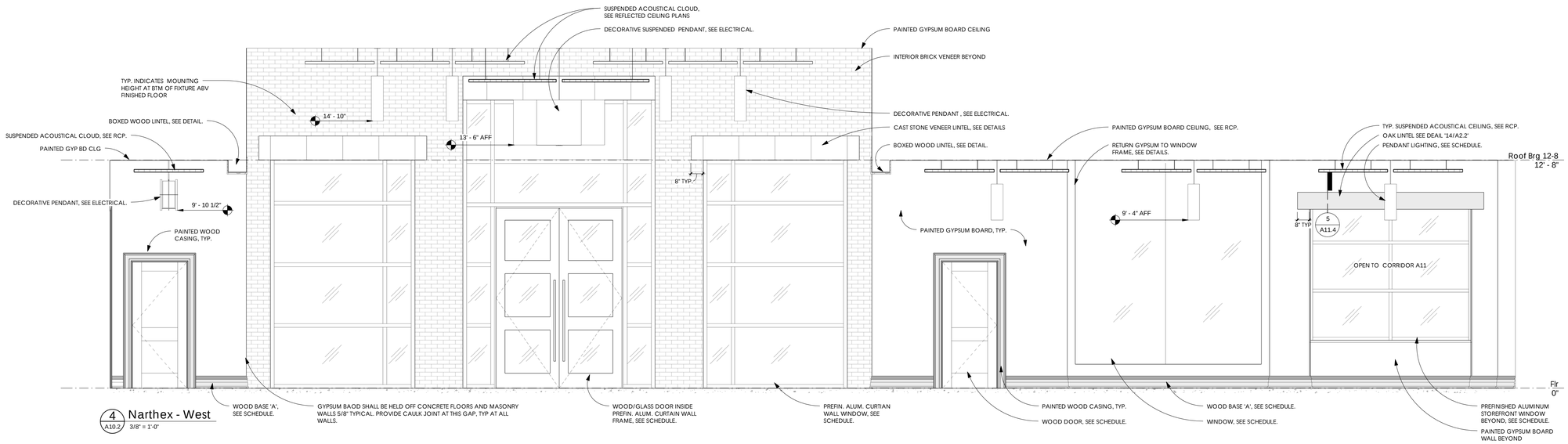


2 A10.2 Narthex - East
3/8" = 1'-0"



4 A10.2 Narthex - West
3/8" = 1'-0"

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Interior Elevations

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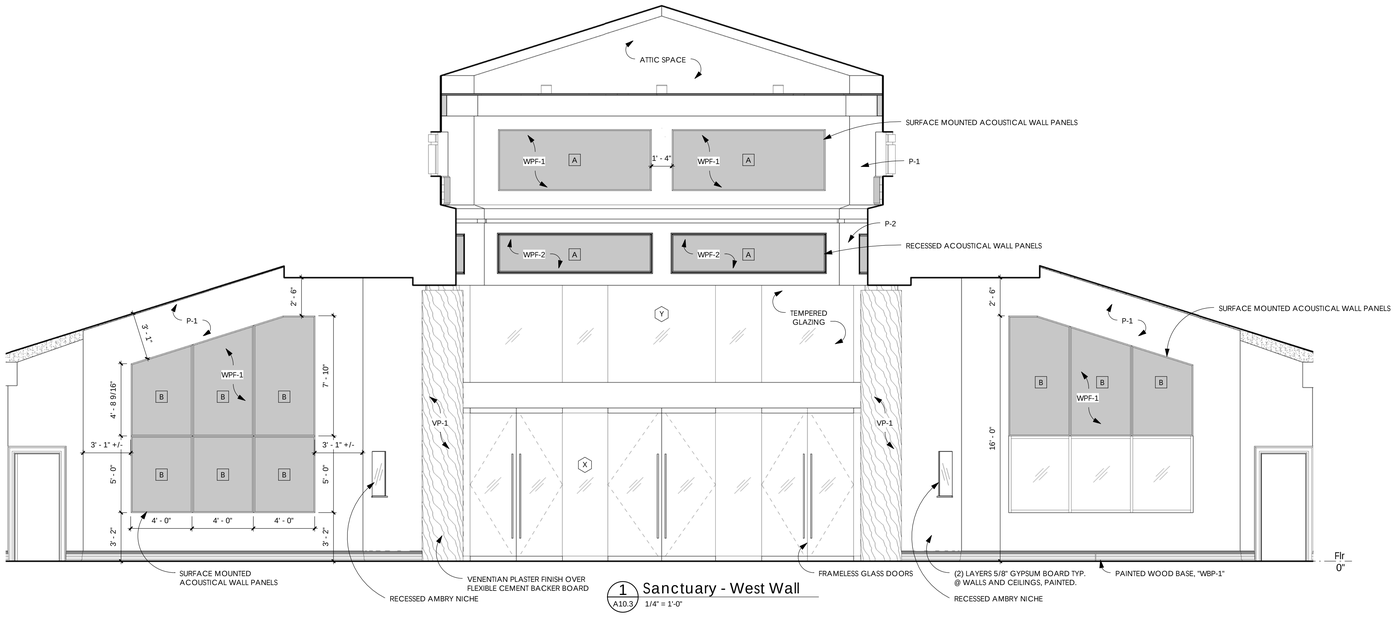
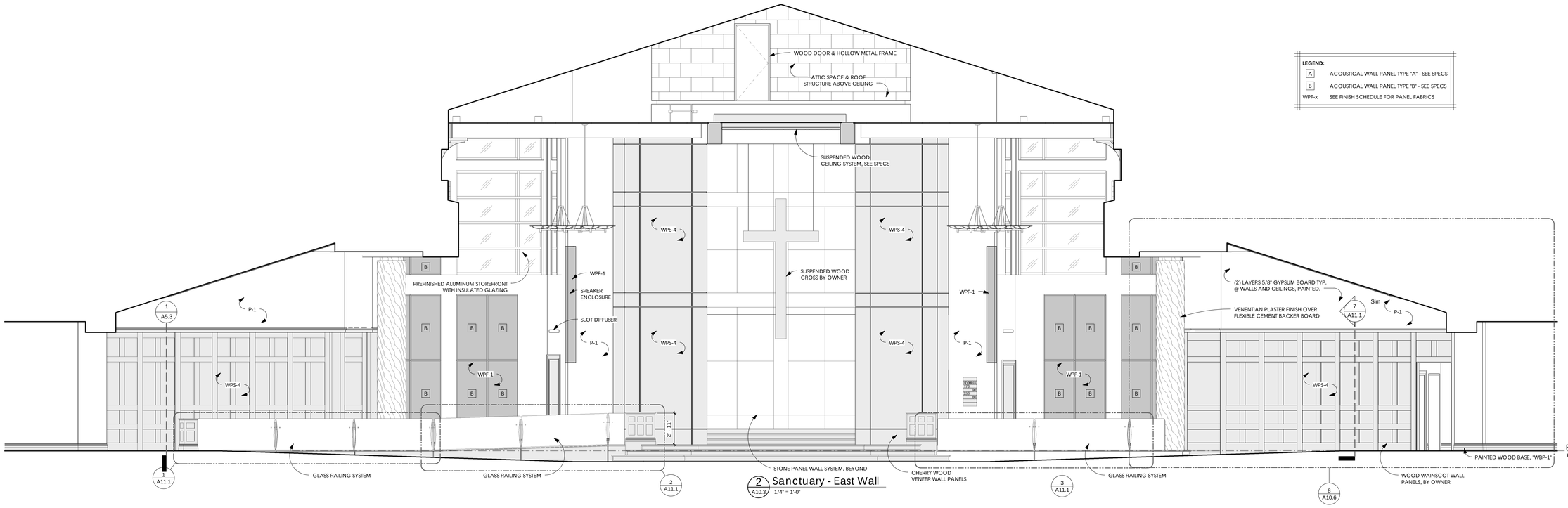
2/24/2012 12:51:40 PM



1 A10.3 Sanctuary - West Wall
1/4" = 1'-0"



2 A10.3 Sanctuary - East Wall
1/4" = 1'-0"

LEGEND:	
A	ACOUSTICAL WALL PANEL TYPE "A" - SEE SPECS
B	ACOUSTICAL WALL PANEL TYPE "B" - SEE SPECS
WPF-x	SEE FINISH SCHEDULE FOR PANEL FABRICS

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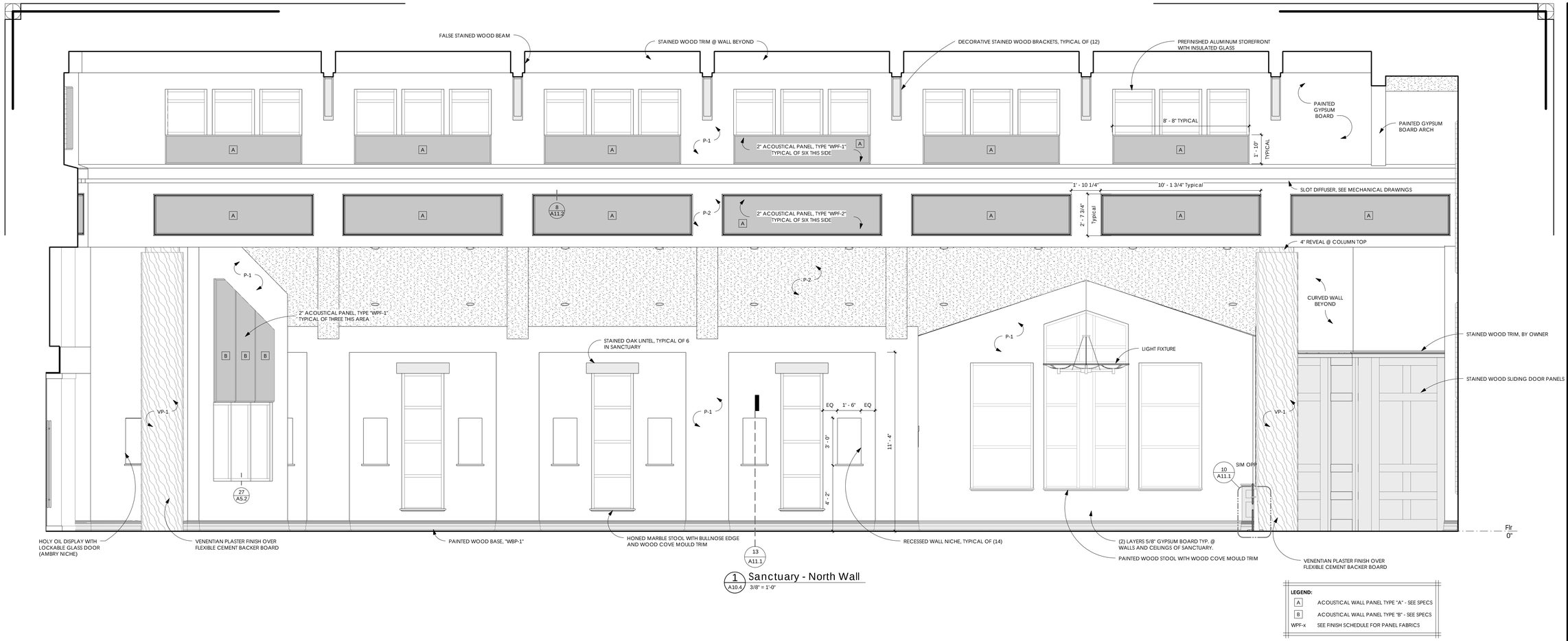
Interior Elevations

SHEET NUMBER A10.3

2/24/2012 12:51:49 PM



1 A10.4 Sanctuary - North Wall
3/8" = 1'-0"

LEGEND:

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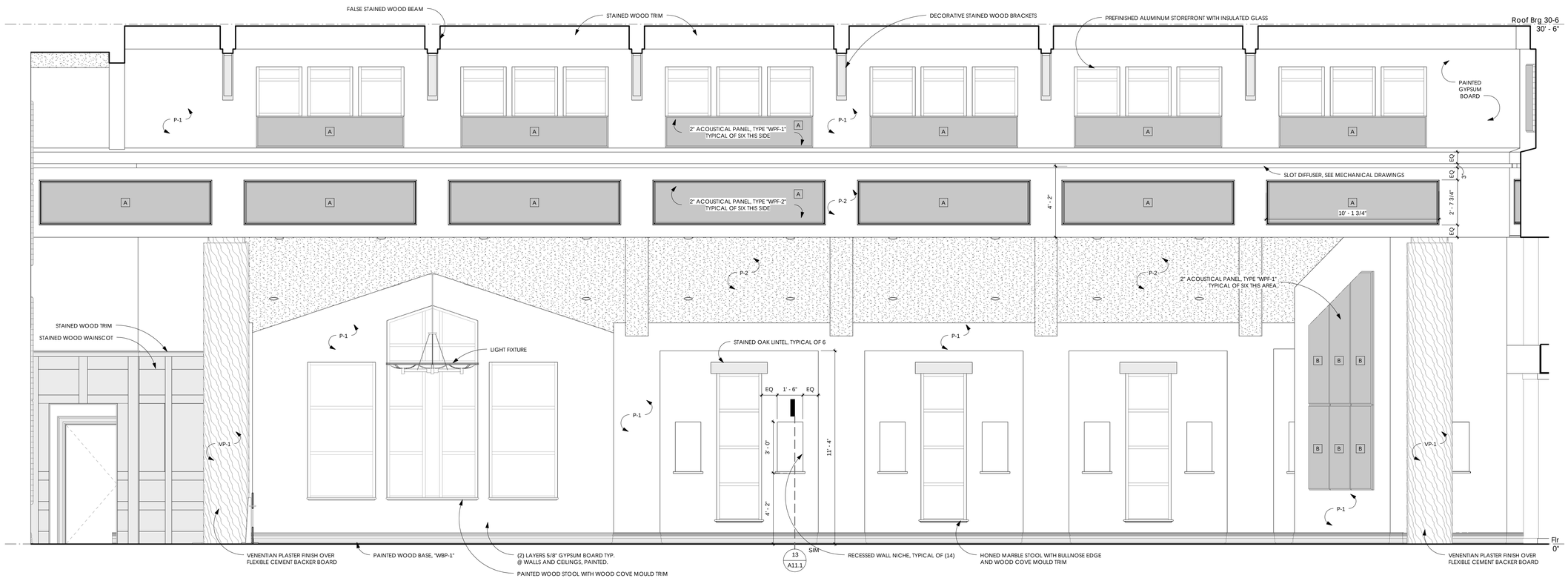
B	ACOUSTICAL WALL PANEL TYPE "B" - SEE SPECS
WPF-x	SEE FINISH SCHEDULE FOR PANEL FABRICS



2 A10.4 Sanctuary - South Wall
3/8" = 1'-0"

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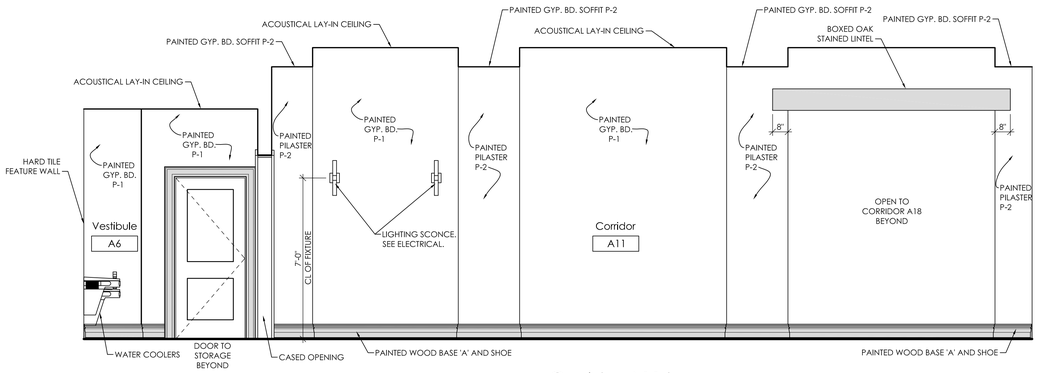
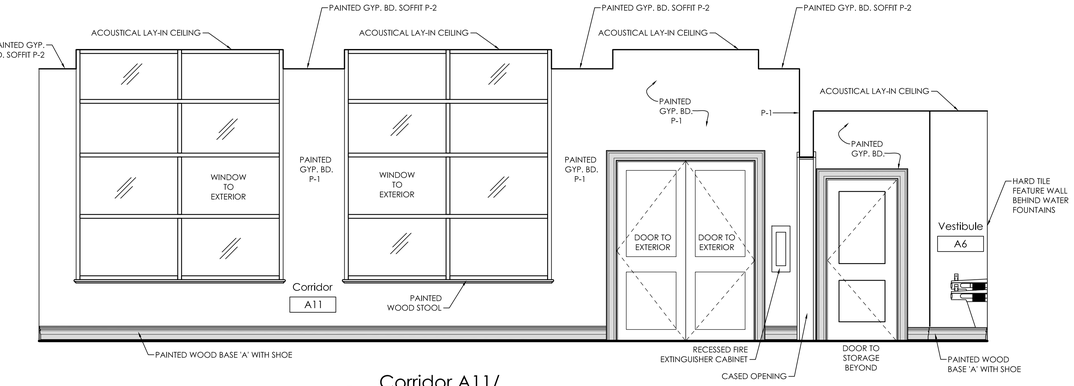
Interior Elevations

SHEET NUMBER A10.4

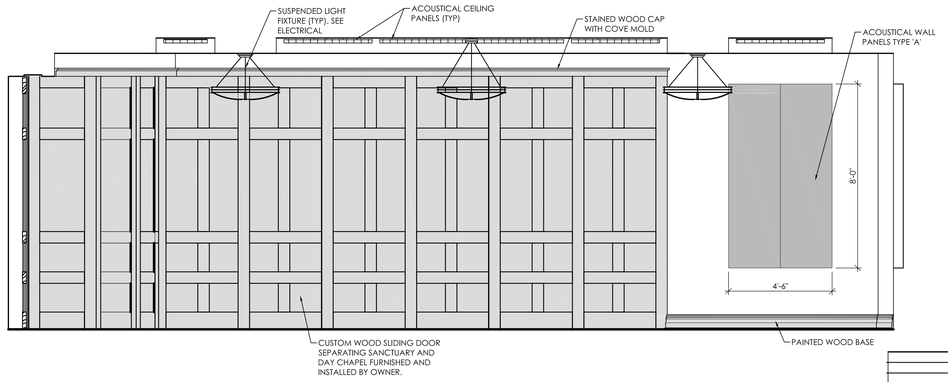
2/24/2012 12:52:01 PM



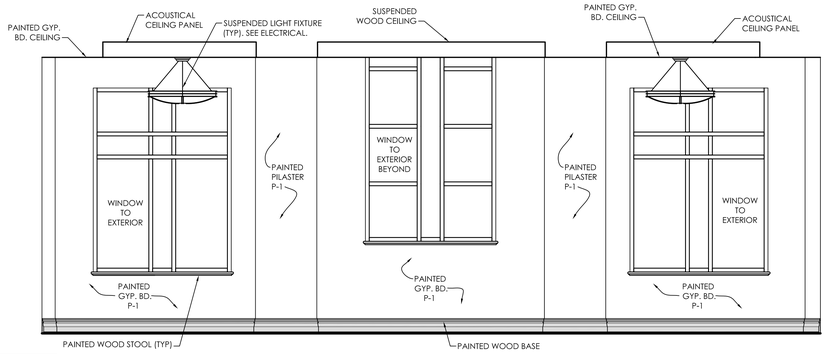
1 A10.5 **Corridor A11/ Vestibule A6 Elevation**
3/8" = 1'-0"



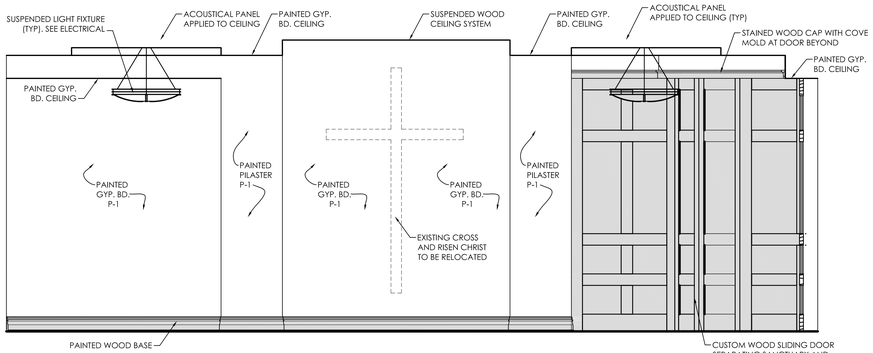
2 A10.5 **Corridor A11/ Vestibule A6 Elevation**
3/8" = 1'-0"



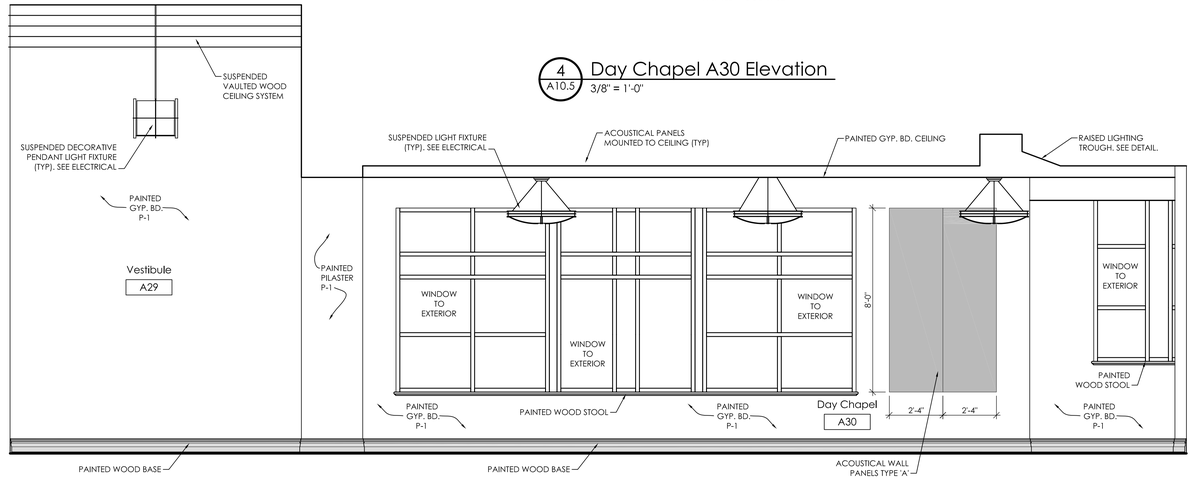
3 A10.5 **Day Chapel A30 Elevation**
3/8" = 1'-0"



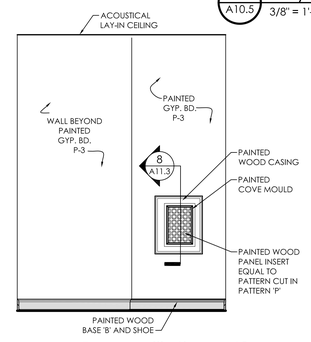
4 A10.5 **Day Chapel A30 Elevation**
3/8" = 1'-0"



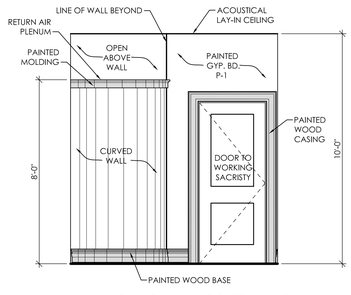
5 A10.5 **Day Chapel A30 Elevation**
3/8" = 1'-0"



6 A10.5 **Day Chapel A30 Elevation**
3/8" = 1'-0"



7 A10.5 **Reconciliation A49 Screen Elevation**
3/8" = 1'-0"



8 A10.5 **Corridor A32 Elevation Corridor A40 SIM OPP**
3/8" = 1'-0"

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Interior Elevations

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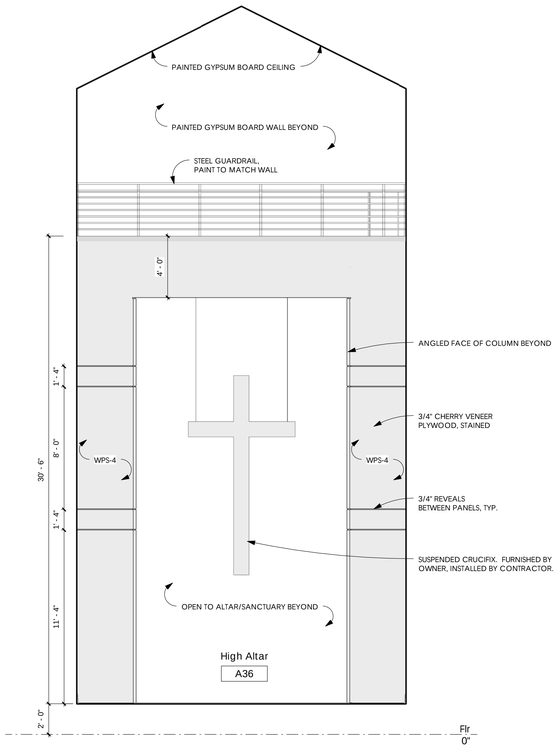
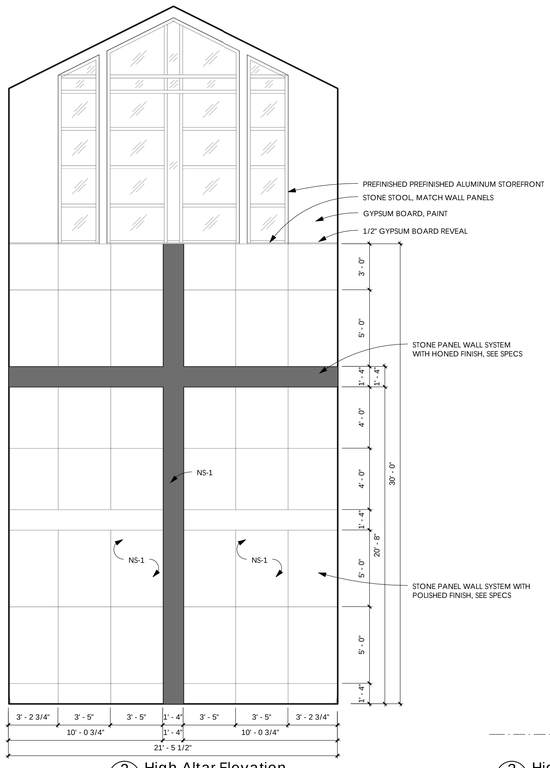
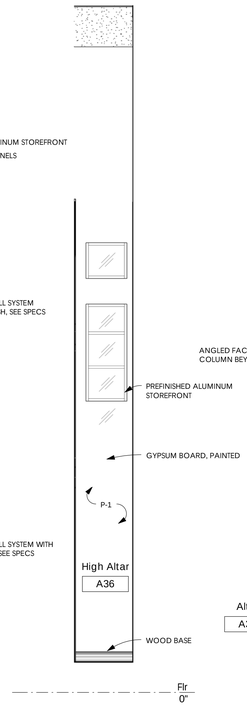


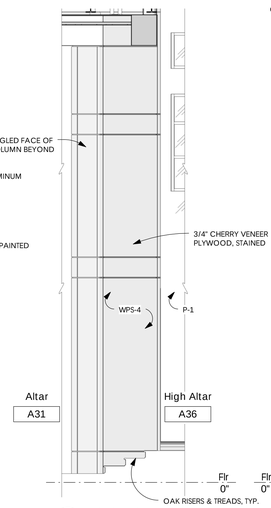
1 High Altar Elevation
A10.6 1/4" = 1'-0"



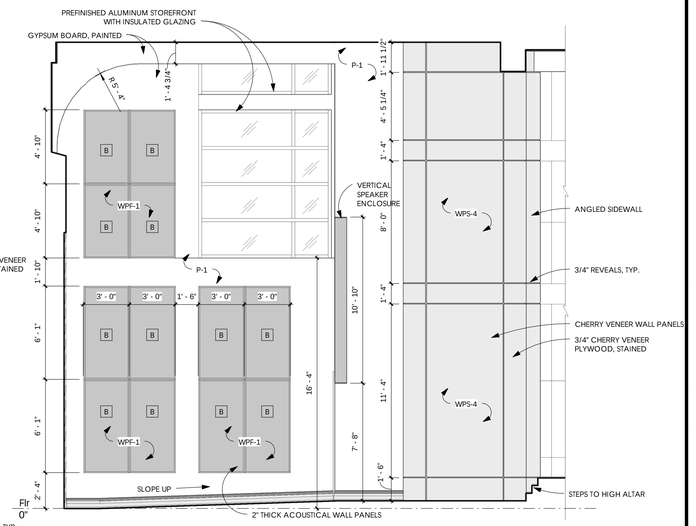
2 High Altar Elevation
A10.6 1/4" = 1'-0"



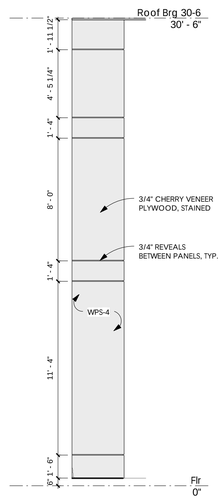
3 High Altar Elevation
A10.6 1/4" = 1'-0"



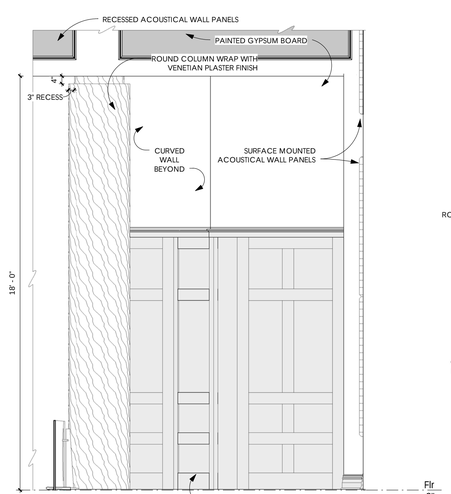
4 High Altar Elevation
A10.6 1/4" = 1'-0"



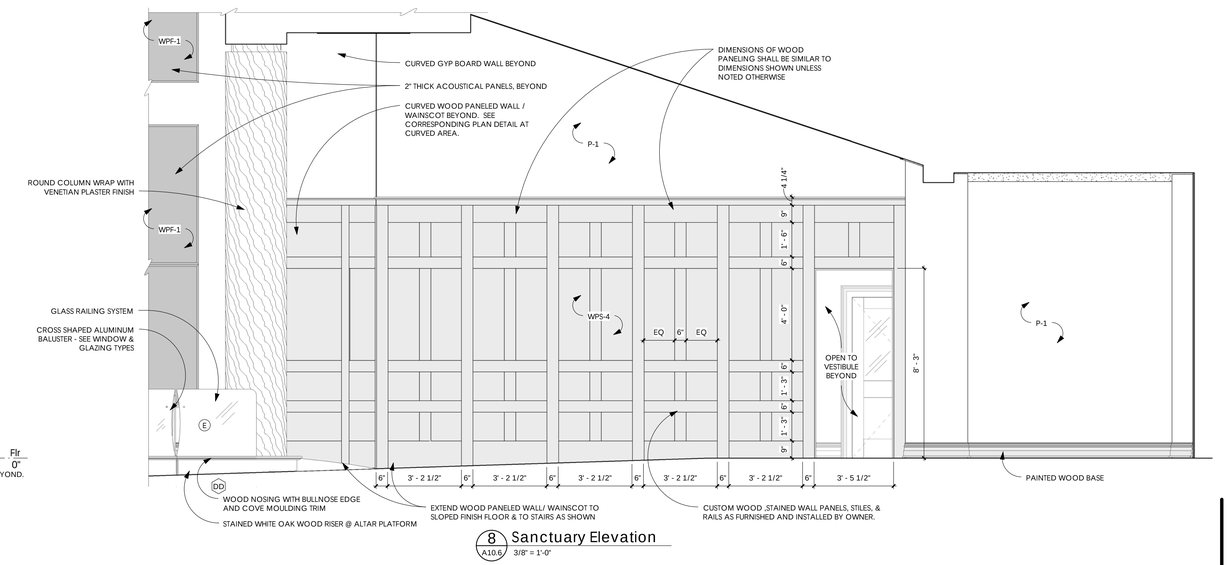
5 Altar Elevation
A10.6 1/4" = 1'-0"



6 Altar Elevation
A10.6 1/4" = 1'-0"



7 Altar Elevation
A10.6 3/8" = 1'-0"



8 Sanctuary Elevation
A10.6 3/8" = 1'-0"

LEGEND:

A	ACOUSTICAL WALL PANEL TYPE "A" - SEE SPECS
B	ACOUSTICAL WALL PANEL TYPE "B" - SEE SPECS
WPF-x	SEE FINISH SCHEDULE FOR PANEL FABRICS

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish

Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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Interior Elevations

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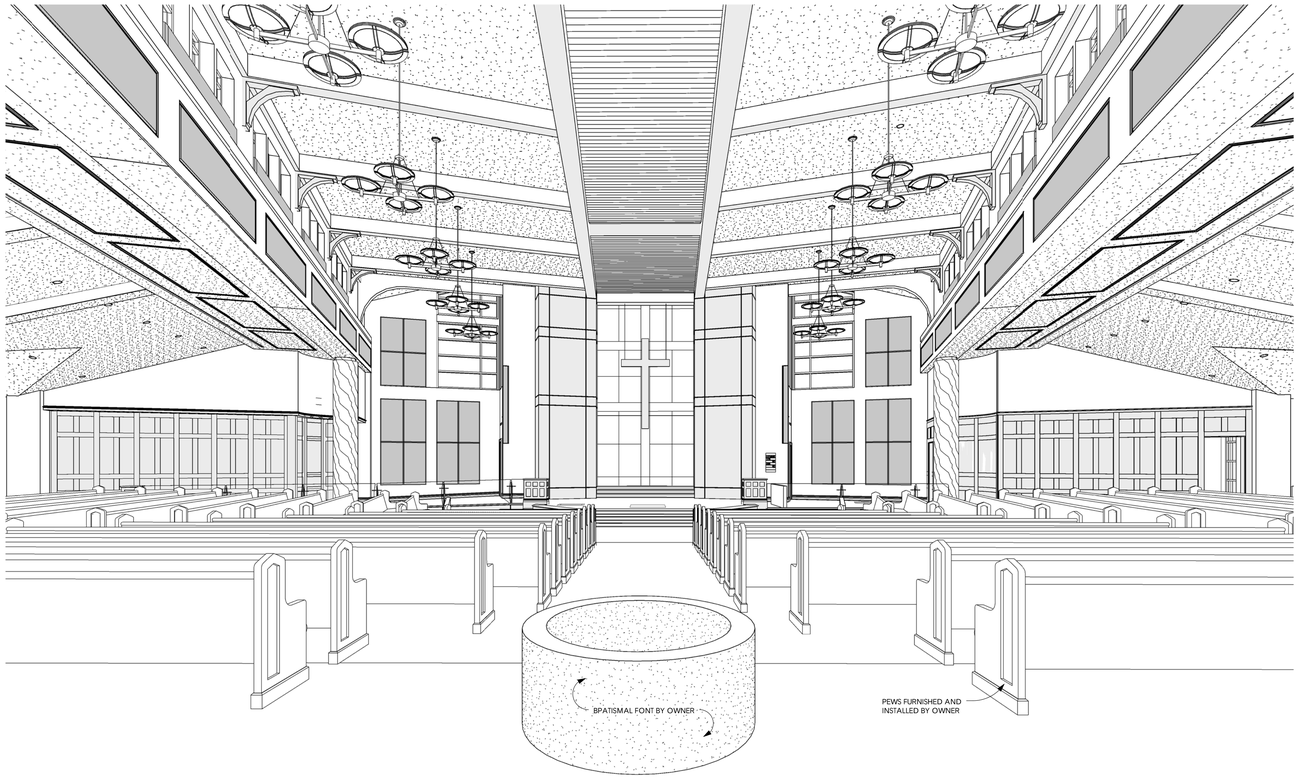
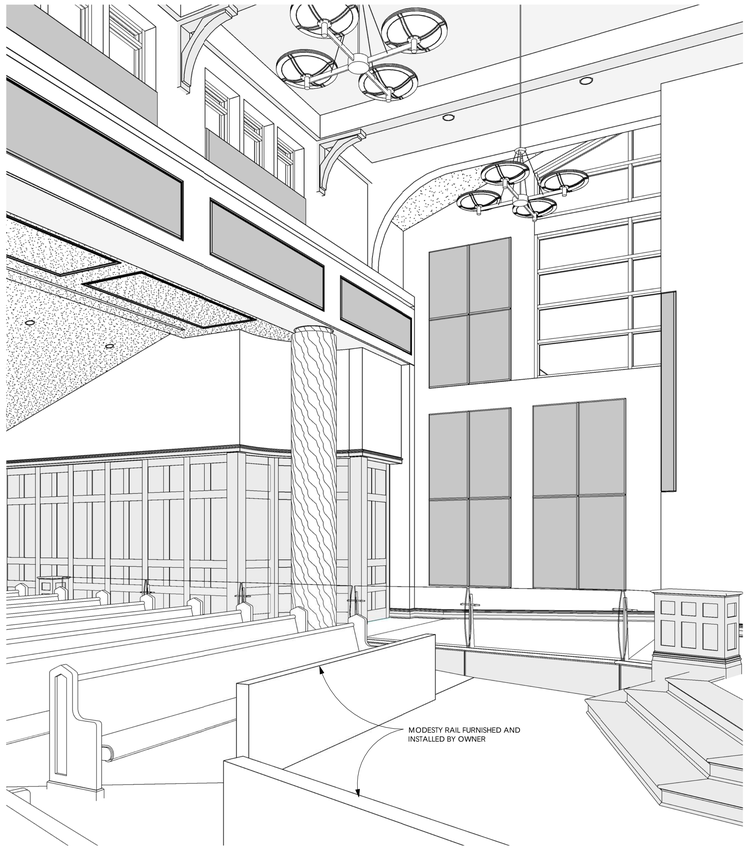
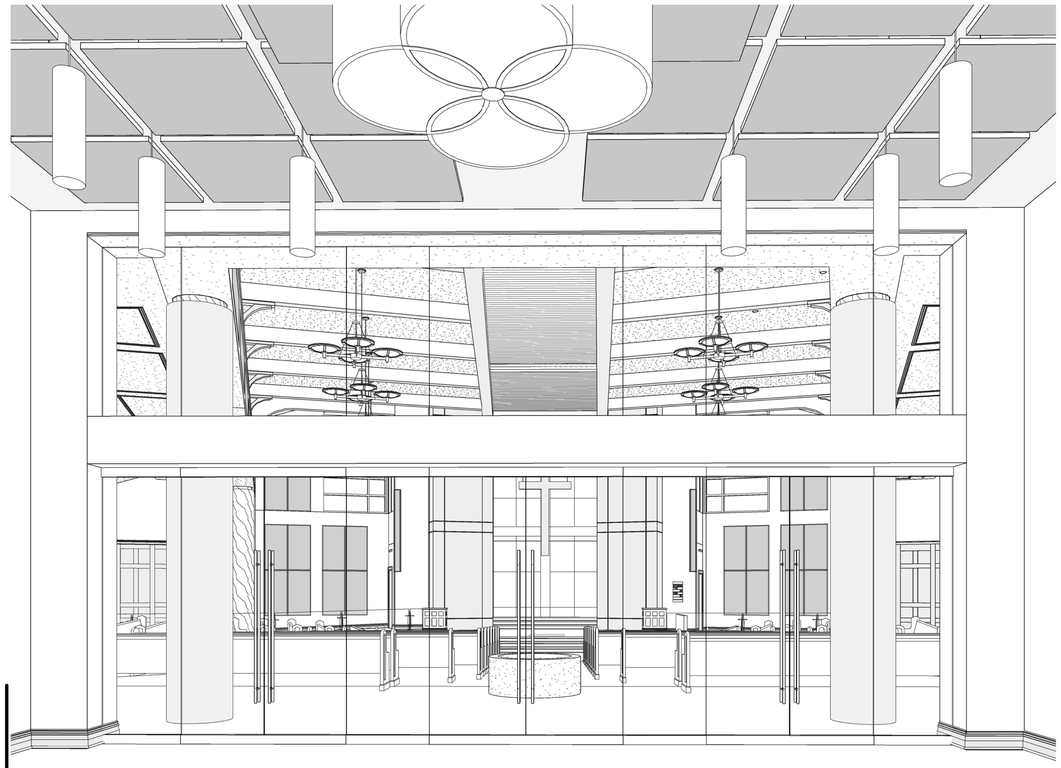


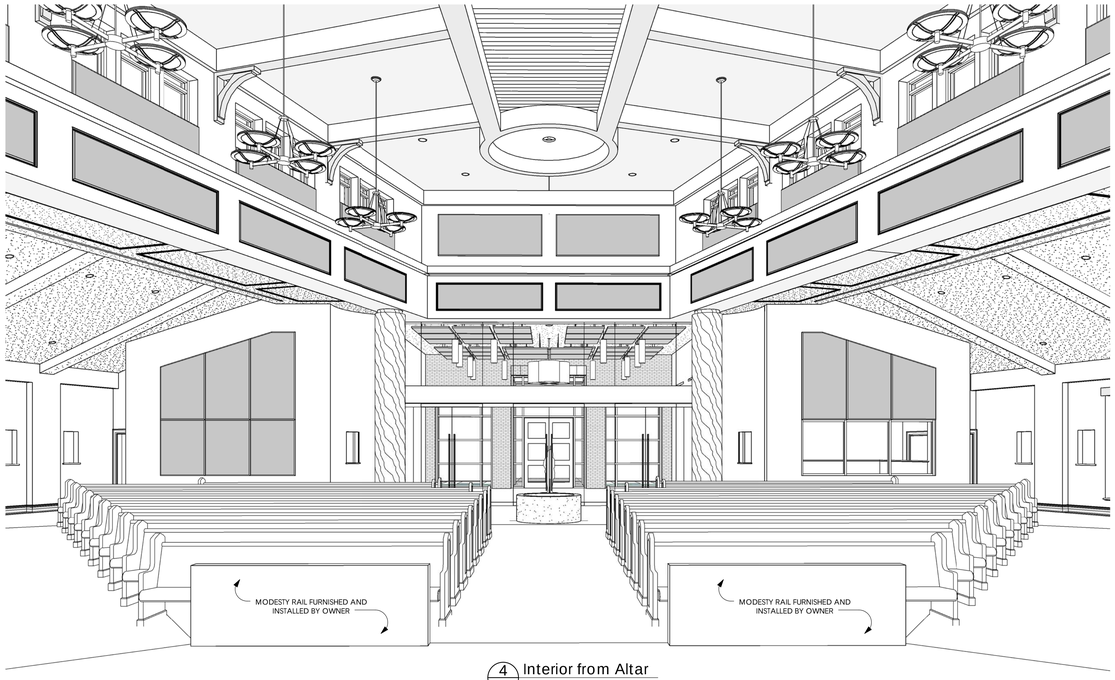
1 A10.7 Interior from Baptismal Font



2 A10.7 Interior from Front Row



3 A10.7 Interior from Narthex



4 A10.7 Interior from Altar

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Interior Perspectives

SHEET NUMBER A10.7

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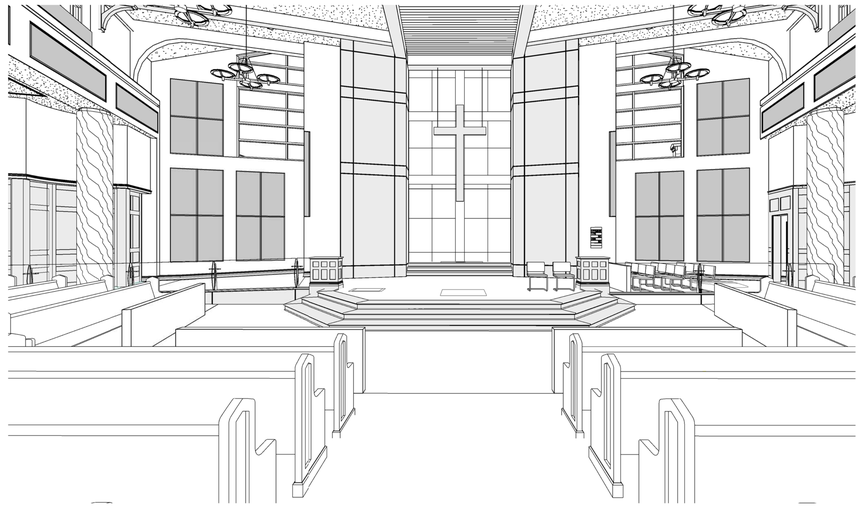
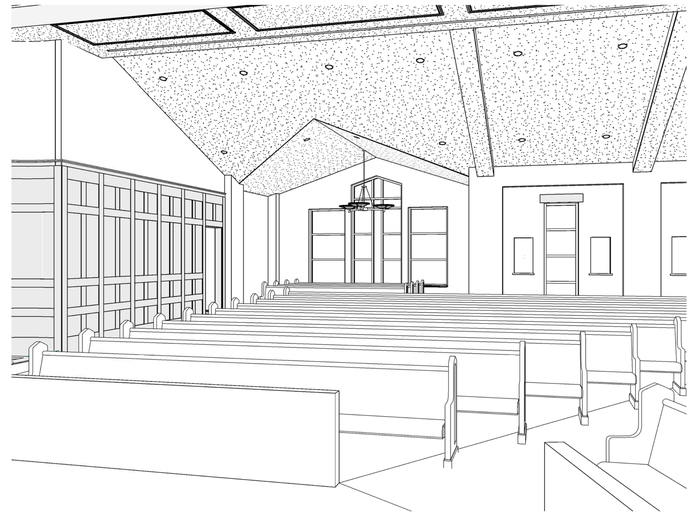
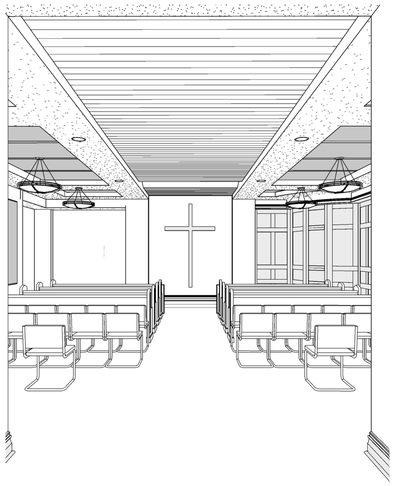
1 A10.8 Interior - Narthex towards South



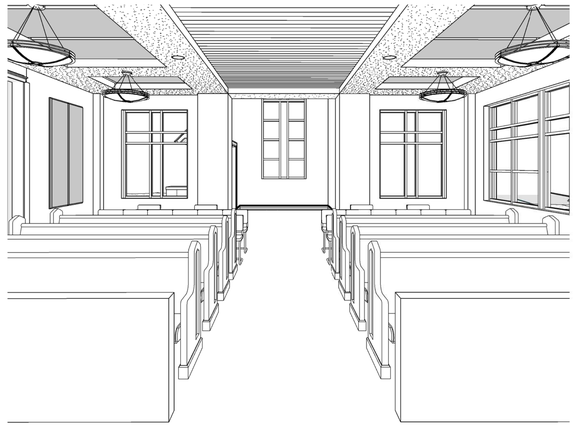
2 A10.8 Interior - Sanctuary Center Aisle towards Altar



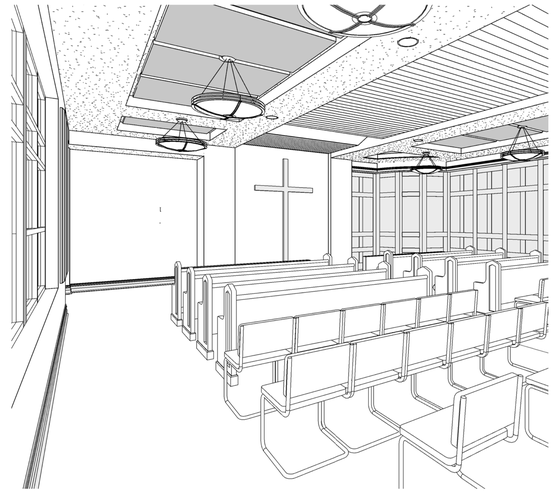
3 A10.8 Interior - Sanctuary South Transcept



4 A10.8 Interior - Day Chapel from Vestibule



5 A10.8 Interior - Day Chapel from Altar



6 A10.8 Interior - Day Chapel from Corner

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Interior Perspectives

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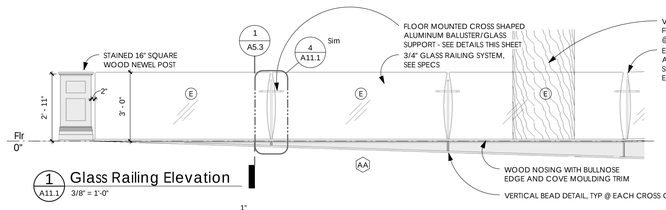
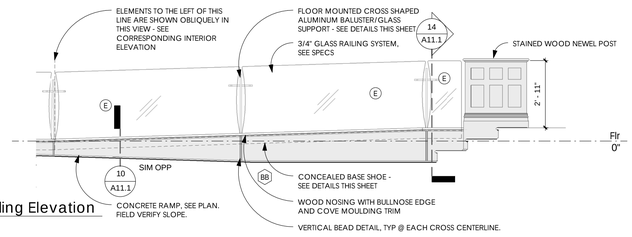
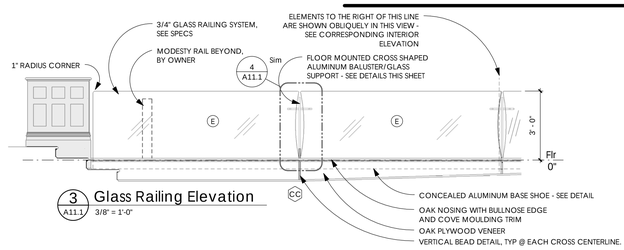


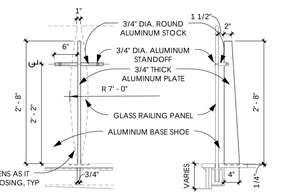
1 Glass Railing Elevation
A11.1 3/8" = 1'-0"



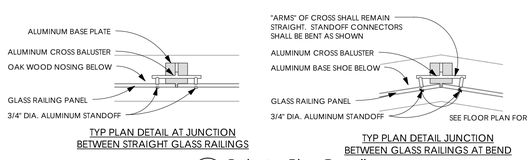
2 Glass Railing Elevation
A11.1.1 3/8" = 1'-0"



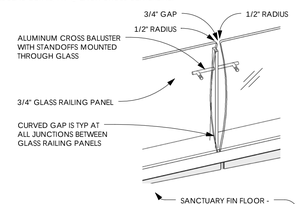
3 Glass Railing Elevation
A11.1.1 3/8" = 1'-0"



4 Baluster Detail
A11.1 3/4" = 1'-0"



5 Baluster Plan Detail
A11.1.1 3/4" = 1'-0"



6 Baluster Front Axon
A11.1 *NOTE: SHOWN HERE AT JUNCTION BETWEEN STRAIGHT GLASS RAILINGS

GUARDRAIL NOTES

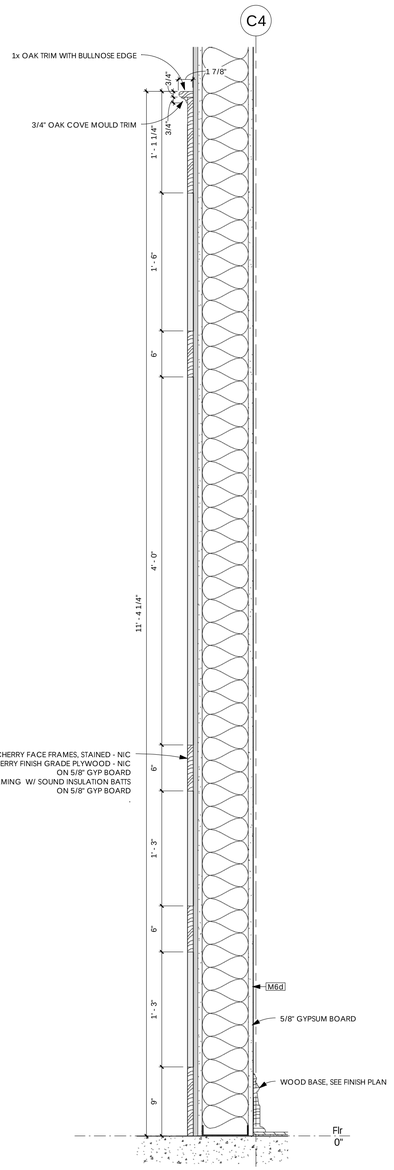
1. ALL GUARDRAILS SHOWN IN THESE DOCUMENTS (WHETHER OR NOT REQUIRED BY CODE) SHALL MEET MINIMUM CODE REQUIREMENTS, INCLUDING MINIMUM REQUIREMENTS FOR WITHSTANDING APPLIED PRESSURE. PERFORMANCE REQUIREMENTS FOR HANDRAIL & GUARDRAIL ASSEMBLIES: SUPPORT DISTRIBUTED LOAD OF 50 POUNDS PER LINEAR FOOT (8,756 N/M), APPLIED HORIZONTALLY AT RIGHT ANGLES TO THE RAILING. SUPPORT CONCENTRATED HORIZONTAL LOAD OF 200 POUNDS (90.6 KG), APPLIED IN ANY DIRECTION AT ANY POINT ALONG HANDRAIL SYSTEM. DISTRIBUTED LOADS AND CONCENTRATED LOADS NOT TO BE APPLIED SIMULTANEOUSLY.
2. AT GLASS RAILINGS, THE BASE SHOE AND GLASS RAILING ASSEMBLIES ALONE (WITHOUT THE AID OF THE CROSS SHAPED BALUSTERS) SHALL MEET MINIMUM CODE REQUIREMENTS FOR WITHSTANDING APPLIED PRESSURE. SUPPORT TO GLASS RAILING SYSTEMS PROVIDED BY CROSS SHAPED BALUSTERS SHALL BE ABOVE AND BEYOND MINIMUM CODE REQUIREMENTS FOR APPLIED PRESSURES.
3. ALL GLASS GUARDRAILS SHALL BE EQUAL TO CR LAURENCE TAPER-LOC RAILING SYSTEM WITH NO TOP RAIL. GLASS SHALL BE CLEAR .75" CATEGORY 2 SAFETY GLASS. CHAMFER EDGES OF SAFETY GLASS WHERE EXPOSED. BSL SHOE BASE 2.25" X 3.5". SUBMIT PROPOSED SUBSTITUTIONS IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. PROVIDE ALL ANCHORAGE AND ATTACHMENT HARDWARE FOR A COMPLETE INSTALLATION.
4. PROVIDE SHOP DRAWINGS AND SUBMITTALS WITH ENGINEER'S CERTIFICATION OF COMPLIANCE WITH CODE REQUIRED LOADING.

GLAZING SCHEDULE

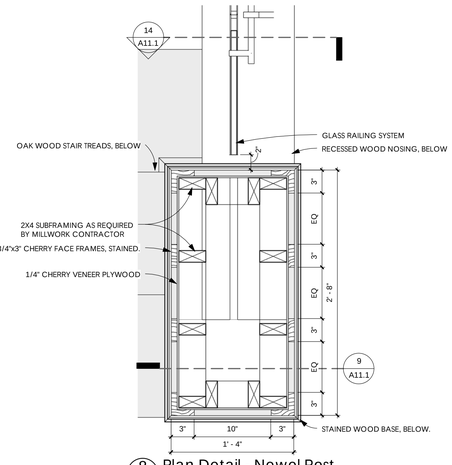
- (A) 1" INSULATED TINTED
- (B) 1" CLEAR TEMPERED INSULATED GLASS
- (C) 1" INSULATED SPECIALTY GLASS
- (D) 1/2" CLEAR TEMPERED GLASS
- (E) 3/4" CLEAR TEMPERED GLASS

NOTES:
1. ALL GLAZING WITHIN 18" VERTICAL OF WALKING SURFACE SHALL BE TEMPERED.
2. ALL GLAZING WITHIN 48" HORIZONTAL OF A DOOR WITH A BOTTOM EDGE LESS THAN 60" AFF SHALL BE TEMPERED.
3. SEE GUARDRAIL NOTES FOR ADDITIONAL GUARDRAIL GLAZING REQUIREMENTS.

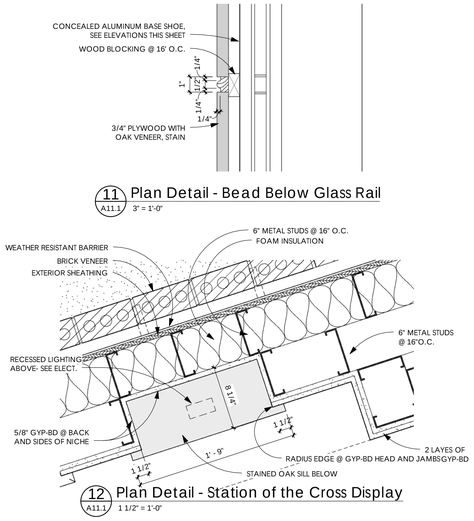
(SCHEDULE PERTAINS TO ALL GLAZING- COORD W/ WINDOW SCHEDULES)



7 Detail - Wood Panel Wainscot
A11.1 1 1/2" = 1'-0"

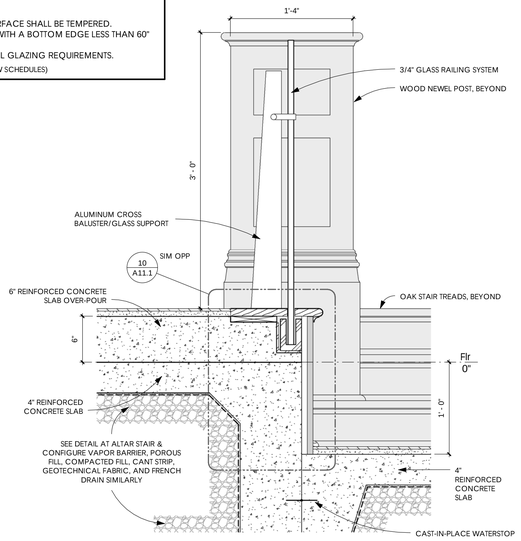


8 Plan Detail - Newel Post
A11.1 1 1/2" = 1'-0"

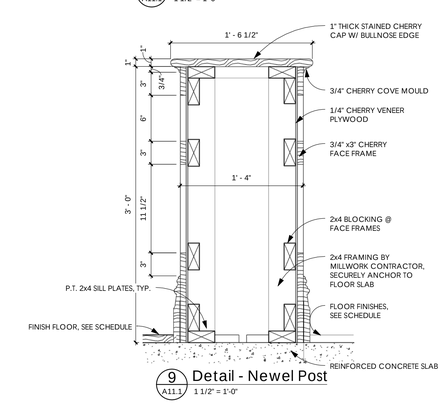


11 Plan Detail - Bead Below Glass Rail
A11.1 3" = 1'-0"

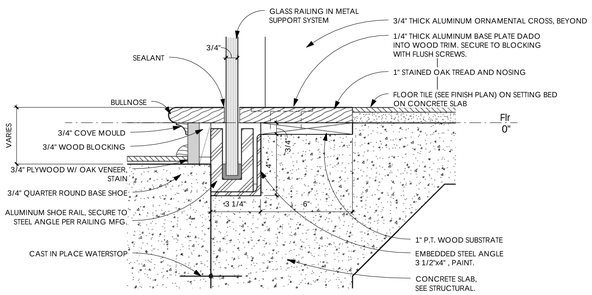
12 Plan Detail - Station of the Cross Display
A11.1 1 1/2" = 1'-0"



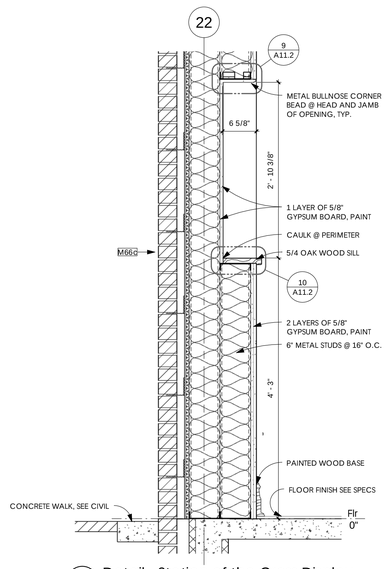
14 Detail - Wood Nosing @ Newel Post
A11.1 1 1/2" = 1'-0"



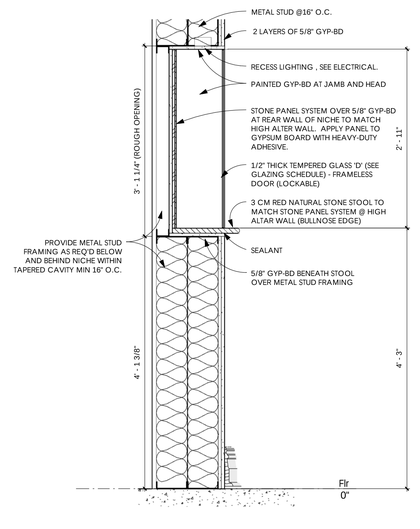
9 Detail - Newel Post
A11.1 1 1/2" = 1'-0"



10 Detail - Base & Glass Railing Support
A11.1 3" = 1'-0"



13 Detail - Station of the Cross Display
A11.1 1" = 1'-0"



15 Detail @ Ambry
A11.1 1" = 1'-0"

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Interior Details

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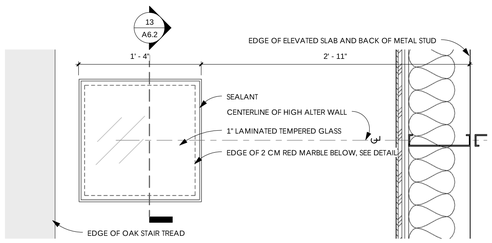
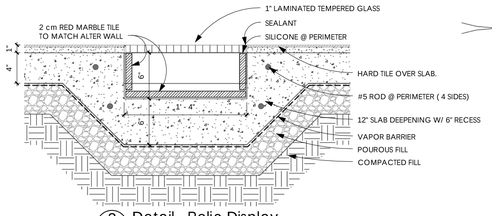
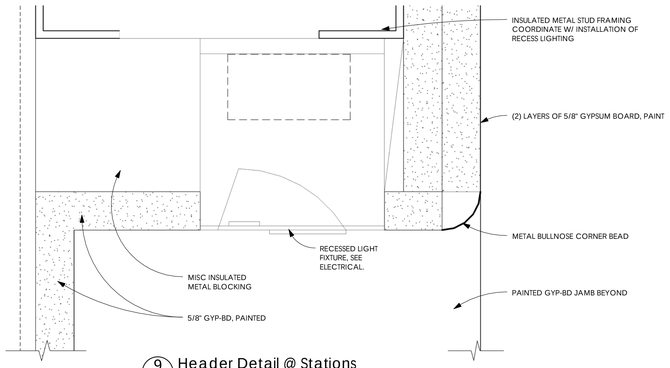


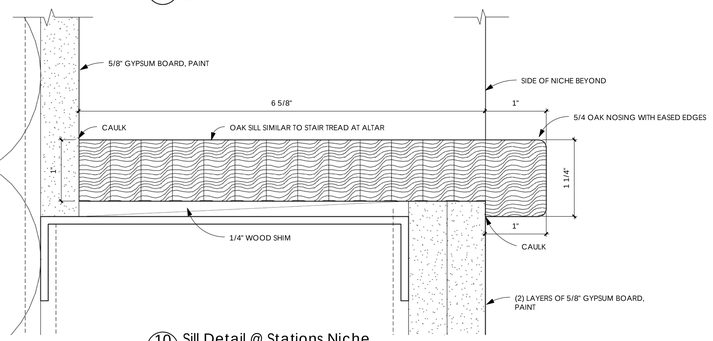
2 A11.2 Plan Detail - Relic Display @ High Alter
1 1/2" = 1'-0"



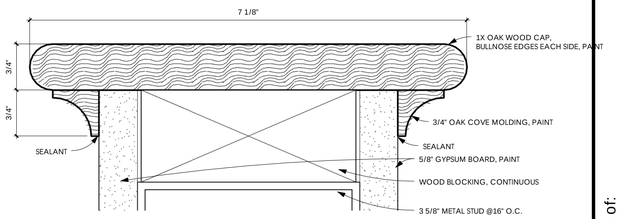
3 A11.2 Detail - Relic Display
1 1/2" = 1'-0"



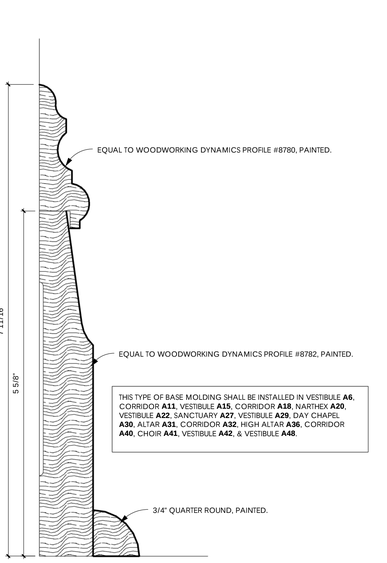
9 A11.2 Header Detail @ Stations
12" = 1'-0"



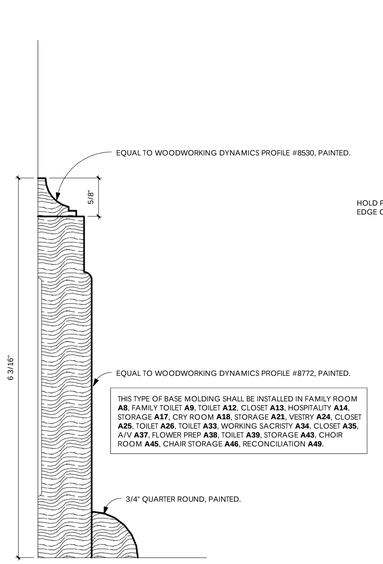
10 A11.2 Sill Detail @ Stations Niche
12" = 1'-0"



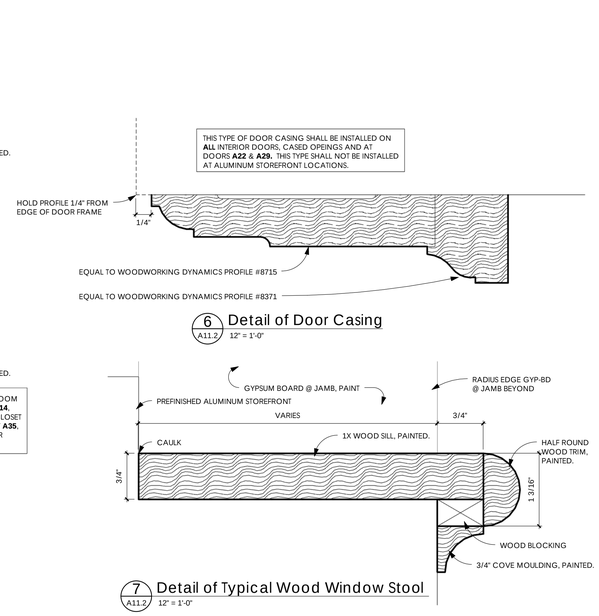
16 A11.2 Wall Cap @ Cry Room
12" = 1'-0"



4 A11.2 Detail of Base Molding "A"
12" = 1'-0"



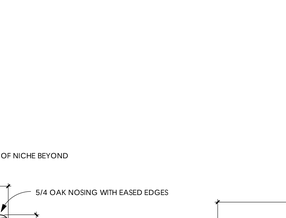
5 A11.2 Detail of Base Molding "B"
12" = 1'-0"



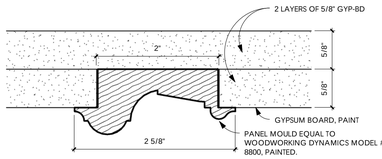
6 A11.2 Detail of Door Casing
12" = 1'-0"

7 A11.2 Detail of Typical Wood Window Stool
12" = 1'-0"

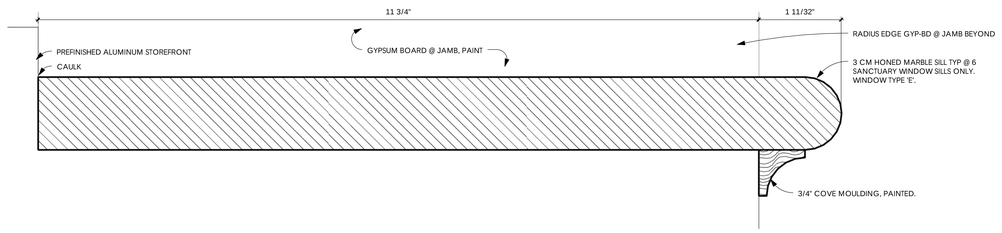
8 A11.2 Recessed Acoustical Panel Detail
12" = 1'-0" (TYPICAL @ 16 LOCATIONS ONLY)



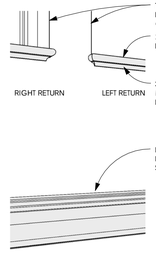
11 A11.2 Typical Window Stool Elevation
12" = 1'-0"



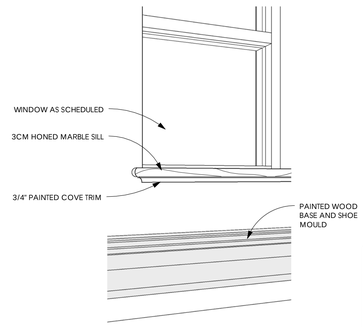
17 A11.2 Panel Mold Detail @ Sanctuary Ceiling
12" = 1'-0"



12 A11.2 Detail of Stone Window Stool @ Six Sanctuary Windows Only
12" = 1'-0" (TYP. @ 6 WINDOWS TYPE'E')



14 A11.2 Axon @ Typical Painted Wood Stool



15 A11.2 Axon @ Honed Marble Sill

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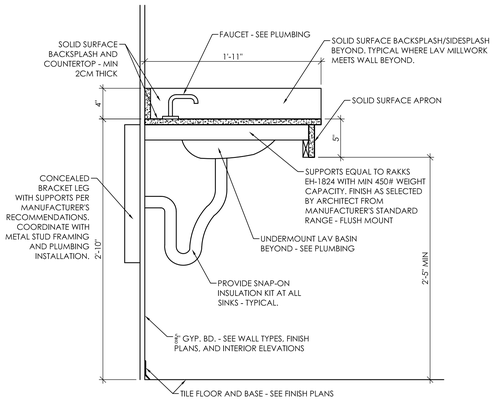
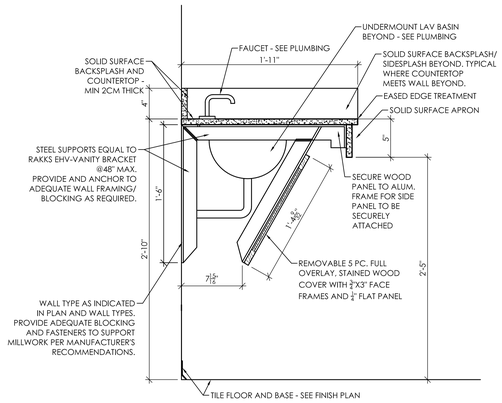
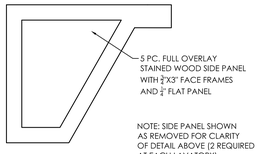
SHEET NUMBER A11.2

2/24/2012 12:53:06 PM

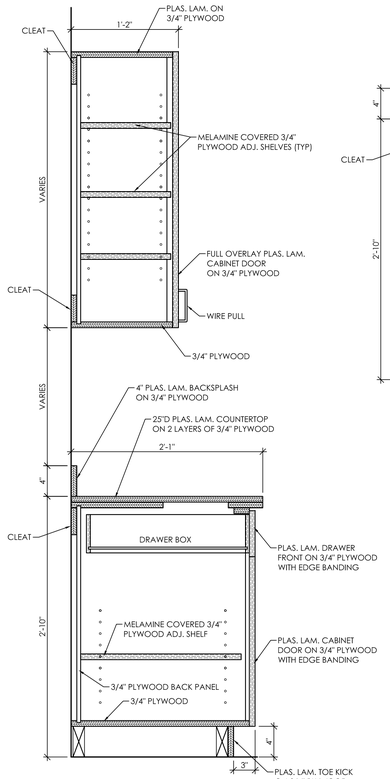


1 A11.3 Restroom Vanity Detail
1 1/2" = 1'-0"

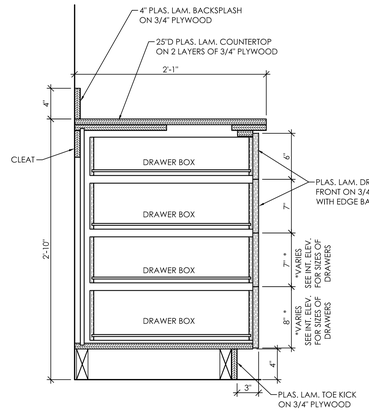




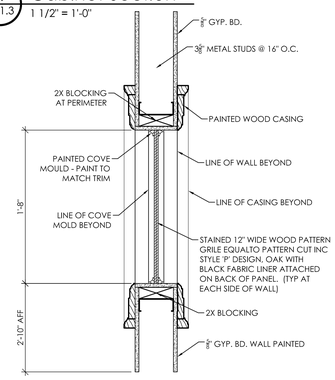
2 A11.3 Restroom Vanity Detail
1 1/2" = 1'-0"

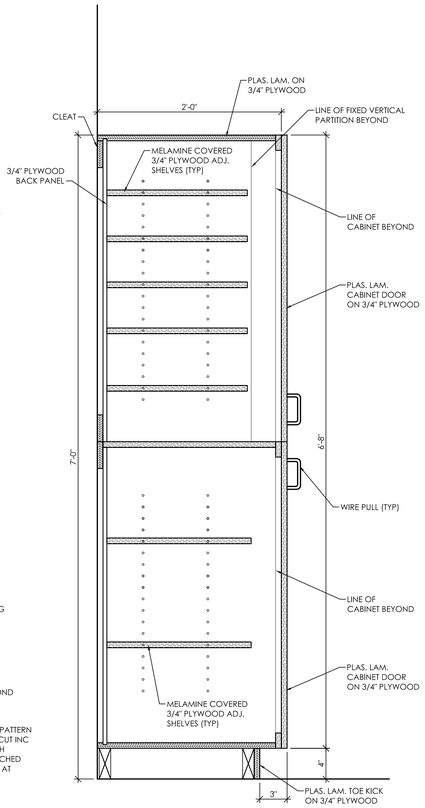


3 A11.3 Millwork Cabinet Section
1 1/2" = 1'-0"

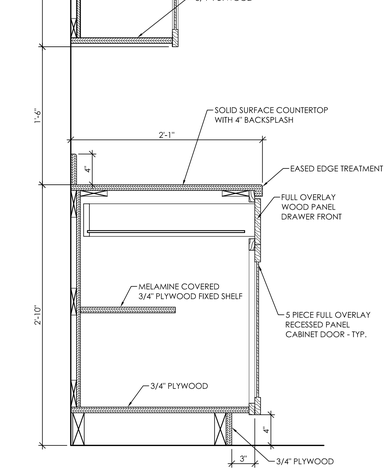


4 A11.3 Millwork Cabinet Section
1 1/2" = 1'-0"

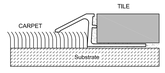




5 A11.3 Millwork Cabinet Section
1 1/2" = 1'-0"

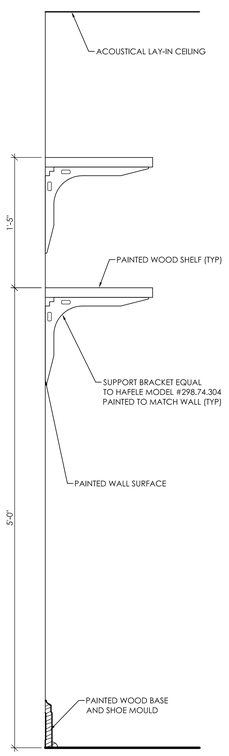


6 A11.3 Millwork Cabinet Section
1 1/2" = 1'-0"

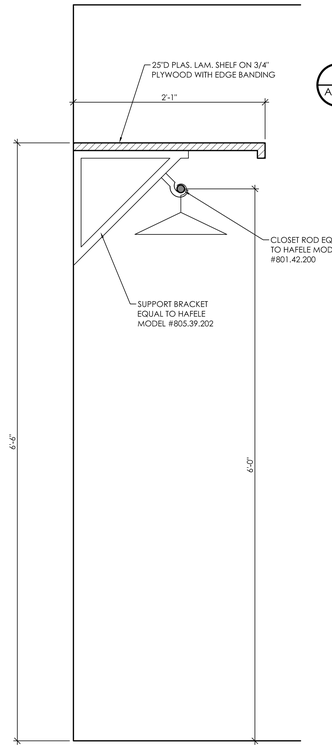


Schluter®- RENO-TK

7 A11.3 Schluter Transition Detail
Not to Scale



9 A11.3 Closet A43 Detail
SIM for Closet A5 and A7
1 1/2" = 1'-0"



10 A11.3 Closet A35 Detail
SIM for Closet A13 and A25
1 1/2" = 1'-0"

8 A11.3 Reconciliation Screen Detail
1 1/2" = 1'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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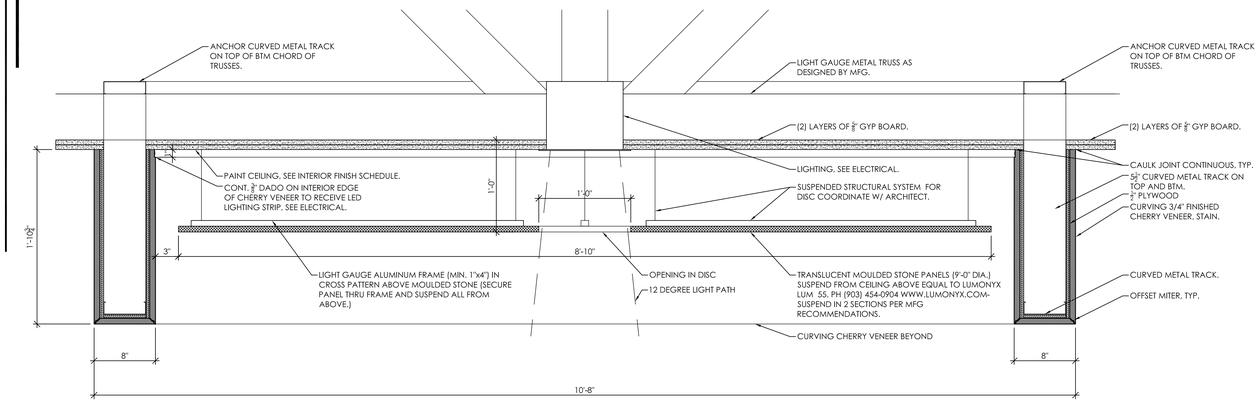
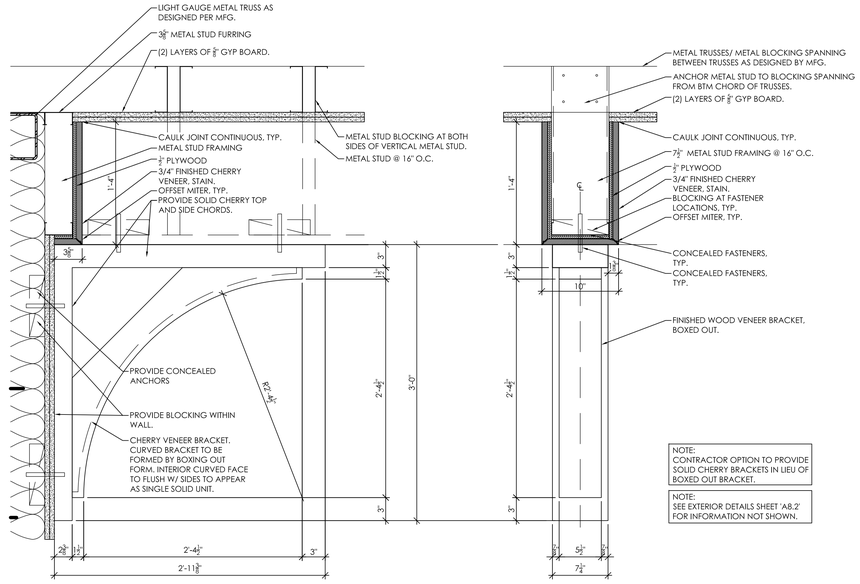
Interior Details

SHEET NUMBER A11.3



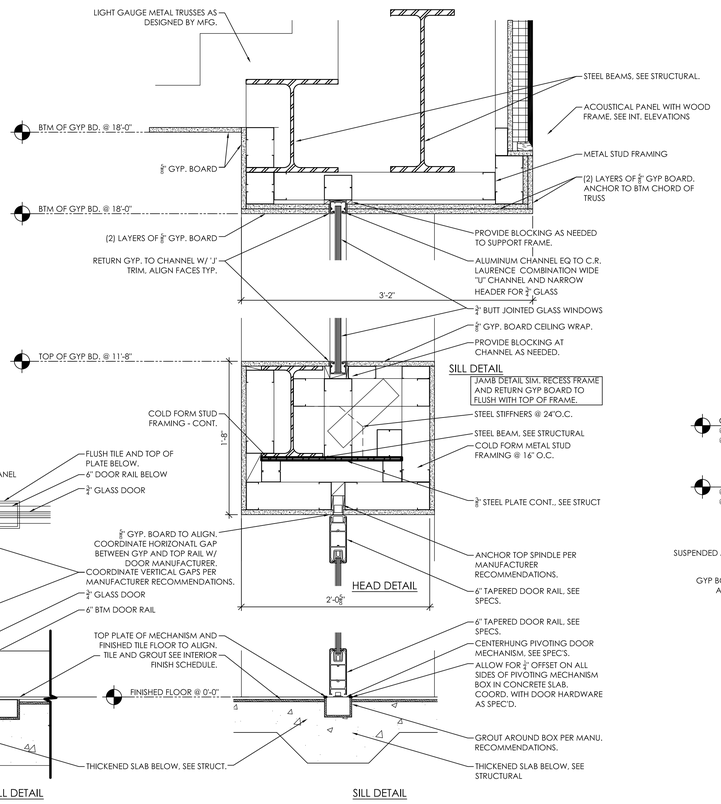
1 A11.4 DETAIL - BAPTISMAL CEILING

1 1/2" = 1'-0"



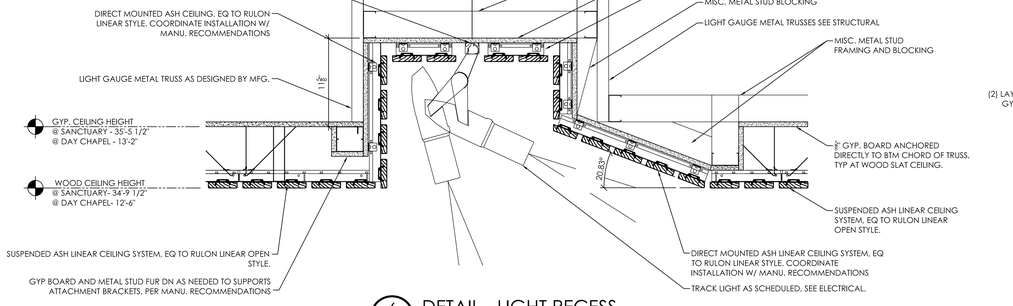
2 A11.4 DETAIL - WOODEN KNEE BRACE

1 1/2" = 1'-0"



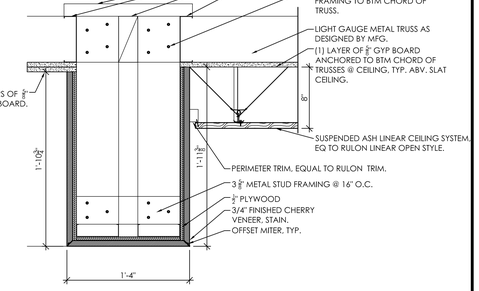
3 A11.4 DETAIL - FRAMELESS GLASS DOOR/WINDOW

1 1/2" = 1'-0"



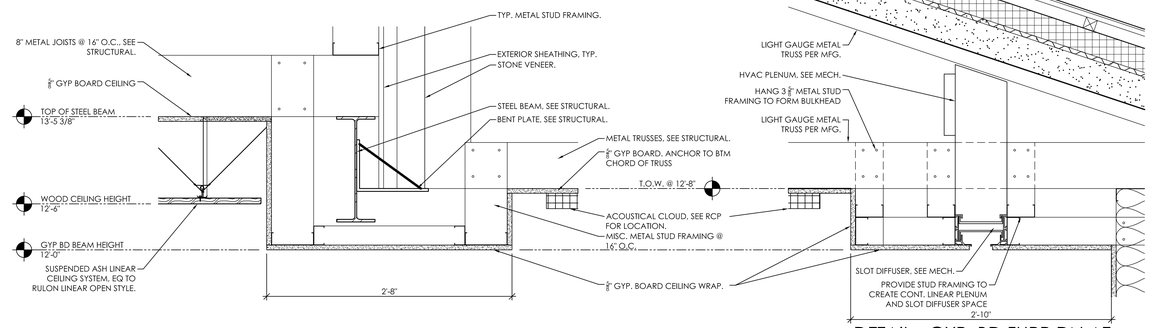
6 A11.4 DETAIL - LIGHT RECESS

1 1/2" = 1'-0"



7 A11.4 DETAIL - SANCTUARY CLG BEAM @ WOOD CEILING

1 1/2" = 1'-0"

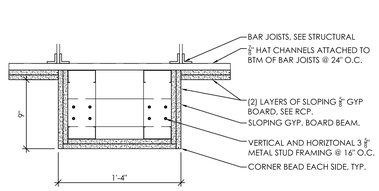


8 A11.4 DETAIL - GYP. BD. FURR DN @ CHAPEL

1 1/2" = 1'-0"

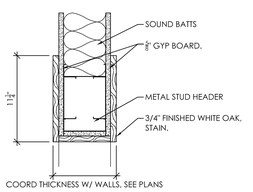
9 A11.4 DETAIL - GYP. BD FURR DN AT SLOT DIFFUSER @ CHAPEL

1 1/2" = 1'-0"



4 A11.4 DETAIL - SLOPED GYP. BEAM

1 1/2" = 1'-0"



5 A11.4 DETAIL - TYP. WOOD LINTEL

1 1/2" = 1'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
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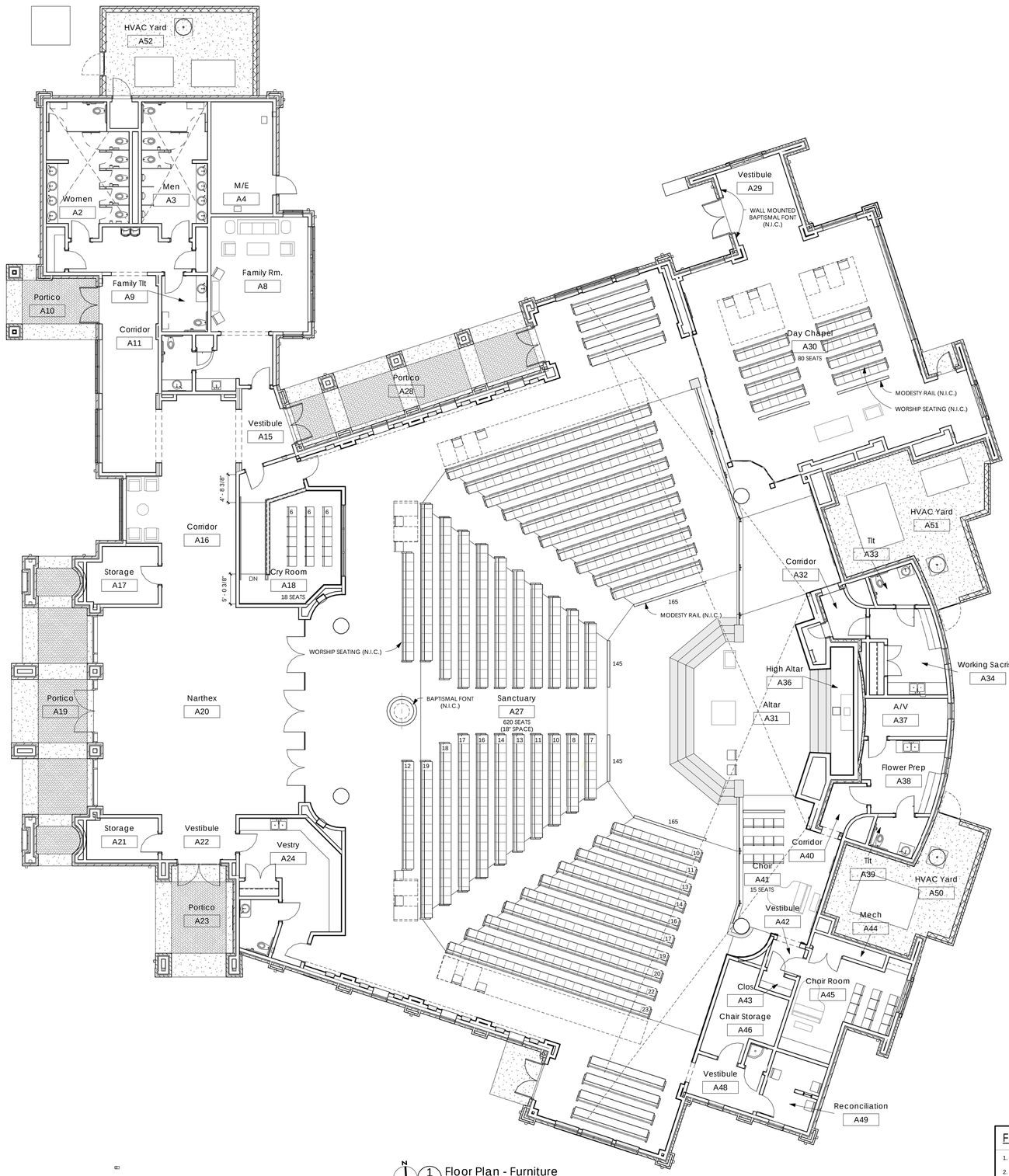
CEILING DETAILS

SHEET NUMBER A11.4



N

1 / A12.1 Floor Plan - Furniture

1/8" = 1'-0"

FURNITURE NOTES

1. FURNITURE IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. FURNITURE SHALL BE PROVIDED AND INSTALLED BY OWNER'S FURNITURE CONTRACTOR.
2. OWNER'S FURNITURE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING PEWS TO CONFORM TO FLOOR SLOPES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FURNITURE INSTALLATION AND PEW CUTTING WITH OWNER'S FURNITURE CONTRACTOR.

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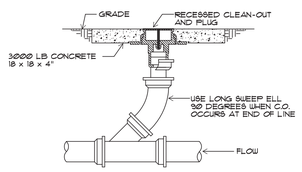
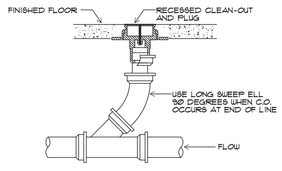
Furniture Plan

SHEET NUMBER A12.1

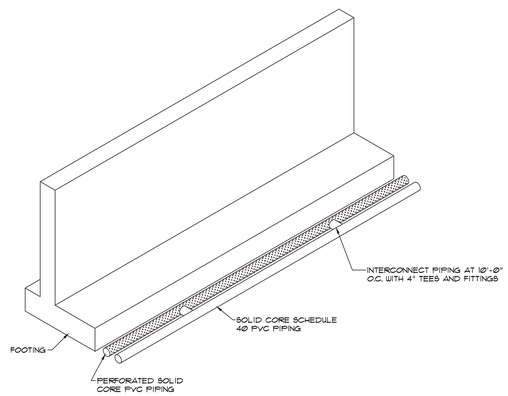
2/24/2012 12:53:14 PM



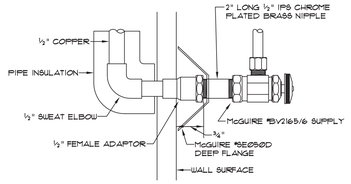
6 Exterior Cleanout Detail
P0.1 NOT TO SCALE



7 Interior Cleanout Detail
P0.1 NOT TO SCALE



8 Foundation Drain Detail
P0.1 NOT TO SCALE



9 Supply Detail
P0.1 NOT TO SCALE

P-1 ADA WATER CLOSET, FLUSH VALVE, OPEN FRONT CLOSET SEAT

P-2 WATER CLOSET, FLUSH VALVE, SOLID RING PIPE SUPPORT, OPEN FRONT CLOSET SEAT

P-3 ADA URINAL, RIM HEIGHT AS PER PLAN, URINAL FLUSH VALVE, SOLID RING PIPE SUPPORT, STAINLESS STEEL STRAINER

P-4 ADA LAVATORY, KOHLER #K-2382, UNDERMOUNT, FAUCET DANZE #D331558, GRID STRAINER, P-TRAP, SUPPLIES, SYMMONS #S-210-CK MIXING VALVE

P-5 SACRISTY SINK, JUST #CH-2233-A-GR-L, LEFT HINGED COVER, THREE HOLE DRILL, FAUCET LESS HANDSPRAY, SUPPLIES, BASKET STRAINER, P-TRAP

P-6 KITCHEN SINK, DOUBLE BOWL, THREE HOLE DRILL, FAUCET LESS HANDSPRAY, SUPPLIES, BASKET STRAINER, P-TRAP, TSA CONTINUOUS WASTE

P-7 FLOOR SINK, JAY R. SMITH #3100, 2" OUTLET, ¾ RIM AND GRATE

P-8 MOP SINK, FAUCET, WALL GUARDS, 3" DRAIN, HOSE WITH HOSE CLIP

P-9 ADA WATER COOLER, BI-LEVEL, P-TRAP, SUPPLY

P-10 WATER HEATER, 40 GALLON STORAGE CAPACITY, 3380 WATT, 208V/1/60, AMTROL #ST-5 EXPANSION TANK

P-11 KITCHEN SINK, SINGLE BOWL, FAUCET, SUPPLIES, BASKET STRAINER, P-TRAP

P-12 HOSE BIB, WOODFORD #27C, 12" WALL DEPTH

P-13 DOWNSPOUT BOOT, JAY R. SMITH #886-24, 5x4" INLET, 4" OUTLET, CLEANOUT

P-14 FLOOR DRAIN, JAY R. SMITH #2005, 3" OUTLET, TRAPGUARD INSERT

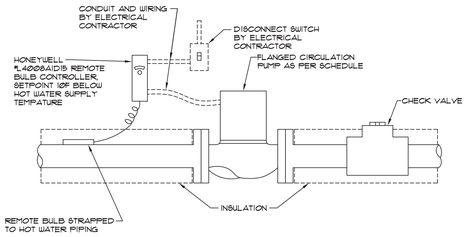
P-15 RECIRCULATION PUMP, ARMSTRONG ASTRO #33088, 120V, TIMER

P-16 FLOOR DRAIN, JAY R. SMITH #3131, 4" OUTLET

2 Equipment Schedule
P0.1 NO SCALE

Fixture type	Approved Fixture Models
ADA Flush Valve Water Closet	AS #3043.102; Kohler #K-4368; Toto #CT705EL
Flush Valve Water Closet	AS #2234.015; Kohler #K-4350; Toto #CT705E
Water Closet Flush Valve	Sloan Crown II #111-YC-YK; Toto #TMT1NNC-32-1.G; Zurn #ZG200-WS1-YC-YK
Open Front Closet Seat	Bemis #1655-C; Church #9500C; Kohler #K-4666-C; Centoco #1500STSCC55; Comfort Seats #C110C
ADA Urinal	AS #G501.010; Kohler #K-4960-ET; Toto #UT447
Urinal Flush Valve	Sloan Crown II #186-1.0; Toto #TMU1NNC-12; Zurn ZG203
Supply (lav, sink, cooler)	McGuire #BV2165; Brass Craft #KTR17C1; Zurn #Z8802Q-PC; EBC #LAH12
Lavatory Trap	McGuire #8872C; Brass Craft #0010; Zurn #Z8700-8B-PC; Profio #PF8872; EBC #TA125
Grid Strainer (lavatory)	McGuire #155A; Brass Craft #0701; Zurn #Z8743-PC; T45 #B-0899; Profio #PF155A; EBC #SG7
Single Bowl Kitchen Sink	Elkay #LR1722; Just #SL-2217-A-GR; Franke #LB57308P-1
Double Bowl Kitchen Sink	Elkay #LK3322; Just #DL-2233-A-GR; Franke #LB57508P-1
Kitchen Sink Faucet	Kohler #K-15171; T45 #B-273; Price Pfister #134-1NCC; Symmons #S-23
	Chicago #2300-B; AS #4205.000;
Basket Strainer (kitchen sink)	McGuire #151; Brass Craft #0703; Zurn #Z8740-PC; Profio #PF151ACP; EBC #SB8C
Kitchen Sink Trap	McGuire #8912C; Brass Craft #0030; Zurn #Z8702-9LC-PC-B; Profio #PF8912; EBC #TA150
Mop Sink	Fiat #M58-2424; Swanstone #Ms-2424; Zurn #Z-1996-24; Florestone #M5R-2424
Mop Sink Faucet	Kohler #K-8903; T45 #B-0656; AS #8344.112; Chicago #897
ADA Bi-Level Water Cooler	Oasis #P8AC5L; Elkay #EZSTL8C; Sunroc #ADADBBL; HT #HTV8BL-Q; AA #A112108F; Haws #HWUACPBL
Floor Drain	Proset Trap Guard #T35G30-F-P
Hose Bibb	Prier #C-434T; Woodford #27P; Zurn #Z1346-CP3;
Expansion Tank	*Amtrol #ST; Profio #PFT; Rheem #RRT
Recirculation Pump	*Armstrong Astro, Taco, B&G
Mixing Valve*	Symmons; Lawler, Watts, Leonard
Water Heater*	Rheem; A O Smith; Lochinvar; Raypak; RBI
	* Type, size, & electical requirments as per schedule.
	Abbreviations:
	AS-American Standard; JRS-Jay R. Smith; CS-Comfort Seats;
	HT-Halsey Taylor; SC-Sioux Chief; AA-Acorn Aqua; EBC-Engineered Brass Company

3 Approved Equals
P0.1 NO SCALE



4 Recirculation Pump Detail
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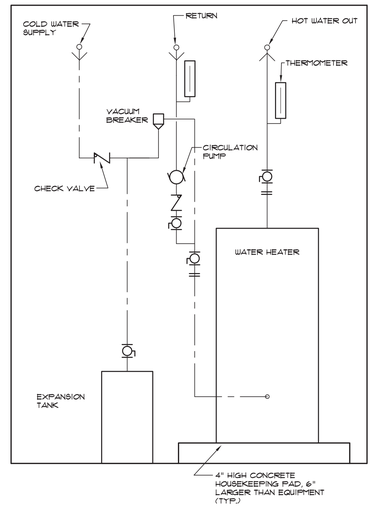
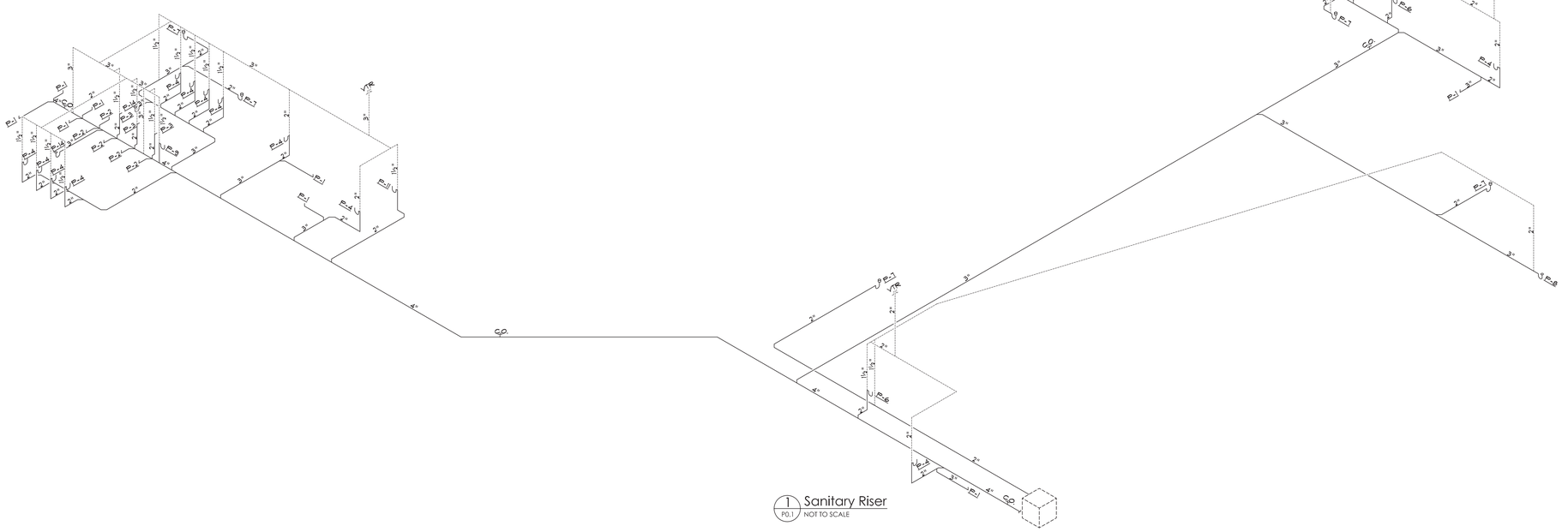


5 Water Heater Detail
P0.1 NOT TO SCALE



1 Sanitary Riser
P0.1 NOT TO SCALE

R H Smith
& associates p.c.
Consulting Engineers
2118 Eighth Street
Tuscaloosa, Alabama 35401
Phone/Fax 205 345 4402
E-mail info@rhsmithpc.com

STATE OF ALABAMA REGISTERED NO. 19807 PROFESSIONAL ENGINEER FRANK STIGALL
2-23-12

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Tuscaloosa, Alabama

STATE OF ALABAMA MICHAEL A. ELLIS 3692 REGISTERED ARCHITECT

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Sanitary Riser & Schedule

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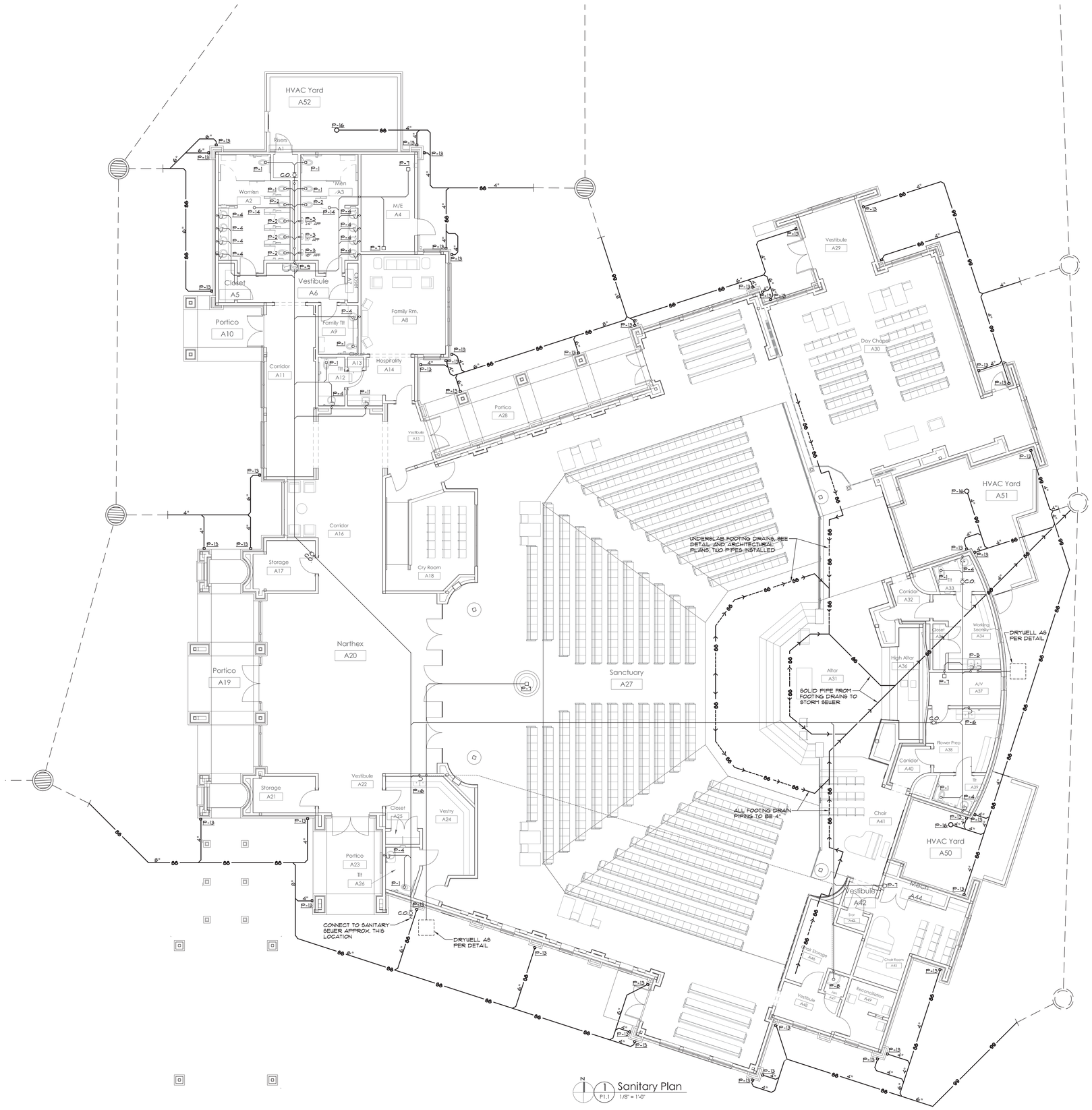

N

1 Sanitary Plan
P1.1 1/8" = 1'-0"

STATE OF ALABAMA
REGISTERED
NO. 19407
PROFESSIONAL
ENGINEER
FRANK STIGALL

2-23-12

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MICHAEL A. ELLIS
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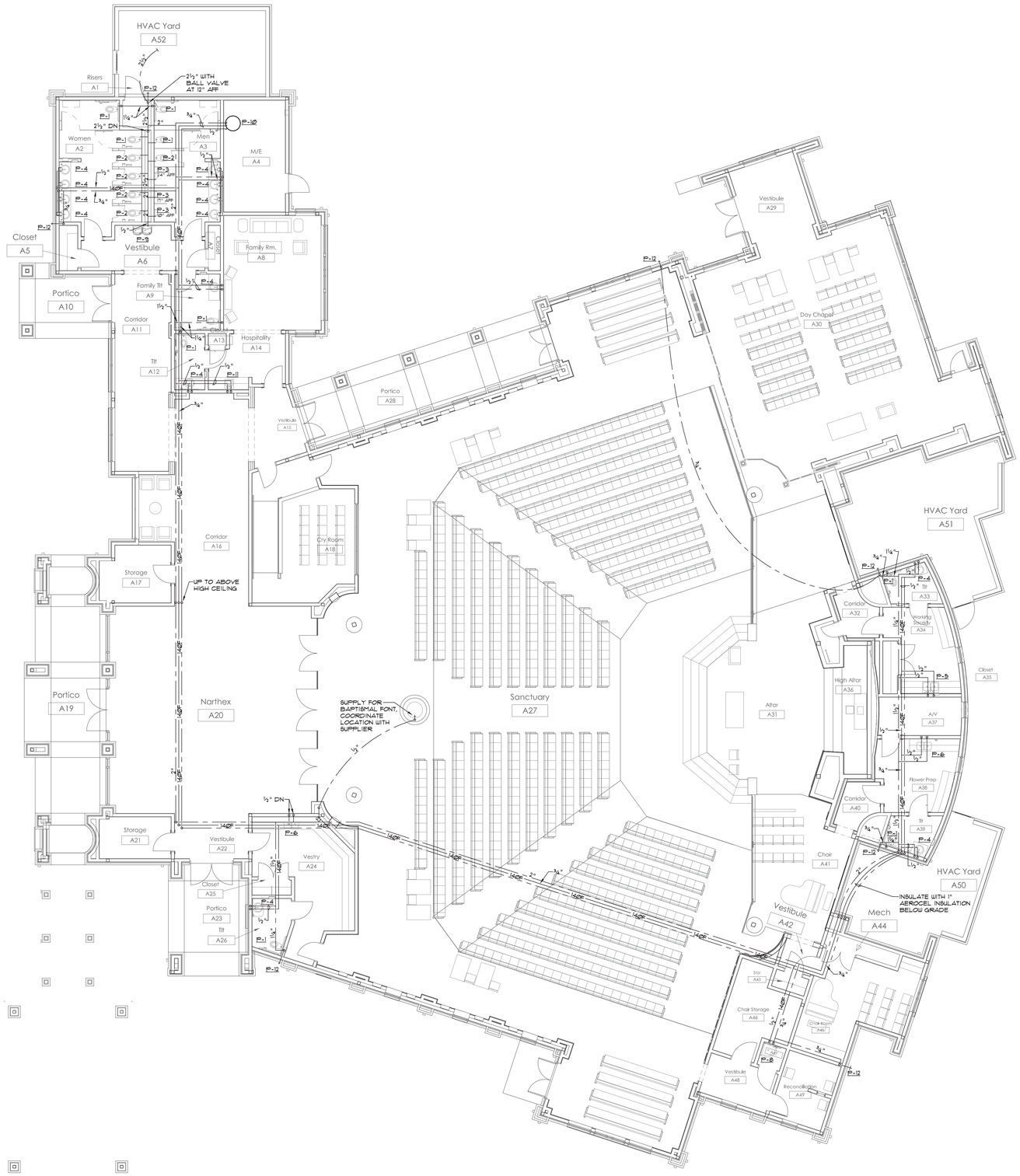
Sanitary Plan

SHEET NUMBER P1.1



N

1 P2.1 Pressure Piping Plan

1/8" = 1'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA MICHAEL A. ELLIS 3692 REGISTERED ARCHITECT

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JOB No.	08038
DATE:	REV DATE:
2-24-12	.
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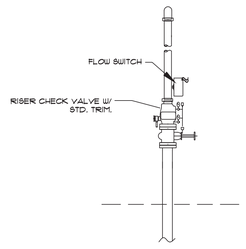
Pressure Piping Plan

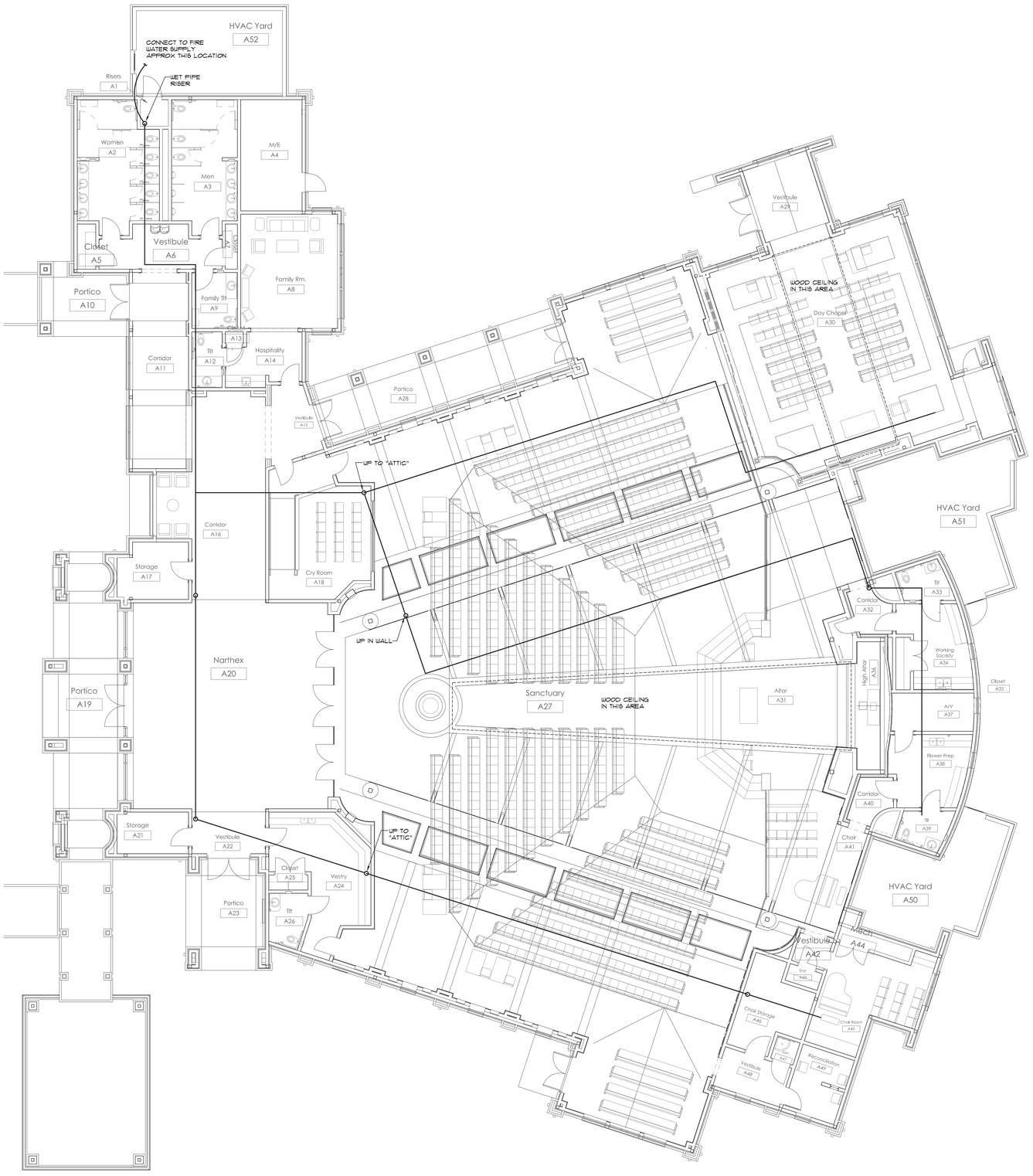
SHEET NUMBER P2.1



3 Fire Riser Detail
FP1.1 NOT TO SCALE

- FIRE SPRINKLER CONTRACTOR TO DESIGN AND INSTALL NFPA 13 COMPLIANT FIRE SPRINKLER SYSTEM. WORKING DRAWINGS TO BE DESIGNED AND SEALED BY PROFESSIONAL ENGINEER.
- BUILDING HAS COMPLEX ROOF AND CEILING STRUCTURE. CONTRACTOR TO REVIEW COMPLETE SET OF CONSTRUCTION DOCUMENTS TO COORDINATE SPRINKLER ROUTING.
- ALL SPRINKLERS TO BE RECESSED CONCEALED. ALL SPRINKLER COVERS ARE TO BE FACTORY FINISHED TO MATCH CEILING COLORS. SEE FINISH SCHEDULE. PAINT CONTRACTOR TO FURNISH PAINT TO FIRE SPRINKLER CONTRACTOR.
- ATTIC SPACE IS BELOW BUILDING INSULATION AND IS NON COMBUSTIBLE CONSTRUCTION.
- A FLOW TEST WAS PERFORMED NOVEMBER 11, 2008 BY McGIFFERT & ASSOCIATES. STATIC PRESSURE OF 57 PSI, RESIDUAL PRESSURE OF 53 PSI FLOWING 1050 GPM.

1 General Notes
FP1.1 NO SCALE



N

2 Fire Protection Plan
FP1.1 1/8" = 1'-0"

STATE OF ALABAMA REGISTERED NO. 19009 PROFESSIONAL ENGINEER FRANK SPRUIELL
2-23-12

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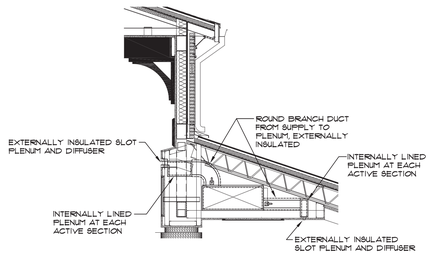
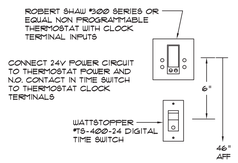
Fire Protection Plan

SHEET NUMBER FP1.1

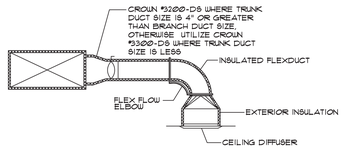


6 Sancuary Ductwork Detail
M1.1 NOT TO SCALE

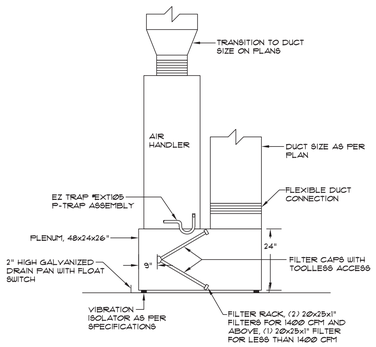
THERMOSTAT TO BE IN CONTINUOUS SETBACK MODE UNTIL TIME SWITCH IS ACTIVATED. PROGRAM OCCUPIED TEMPERATURES, UNOCCUPIED TEMPERATURES, AND MAXIMUM OCCUPIED TIMES PER OWNER'S INSTRUCTIONS.



5 Thermostat Detail
M1.1 NOT TO SCALE



4 Branch Duct Detail
M1.1 NOT TO SCALE



3 AHU Detail
M1.1 NOT TO SCALE

SCAC *1, SELF CONTAINED HEAT PUMP, TRANE *18CH120E3, 10 TON NOMINAL CAPACITY, HORIZONTAL DUCT CONNECTIONS, 4000 CFM AT Ø.1" ESP, 3.75 HP MOTOR, 20.3 KW ELECTRIC HEAT, 208V/3/60, 122.3 MCA, 175 MOP, COIL GUARDS, MOTORIZED OUTSIDE AIR DAMPER

SCAC *2, SELF CONTAINED HEAT PUMP, TRANE *18CG090E3, 7½ TON NOMINAL CAPACITY, HORIZONTAL DUCT CONNECTIONS, 3000 CFM AT Ø.1" ESP, 1 HP MOTOR, 13.5 KW ELECTRIC HEAT, 208V/3/60, 85.3 MCA, 100 MOP, COIL GUARDS, MOTORIZED OUTSIDE AIR DAMPER

SCAC *3, 4, SELF CONTAINED HEAT PUMP, TRANE *4CH240E3, 20 TON NOMINAL CAPACITY, HORIZONTAL DUCT CONNECTIONS, 8000 CFM AT Ø.8" ESP, 5 HP MOTOR, 27 KW ELECTRIC HEAT, 208V/3/60, 210 MCA, 225 MOP, COIL GUARDS, MOTORIZED OUTSIDE AIR DAMPER

CU *1, CONDENSING UNIT, ADDISON *RCA120, 208V/3/60, 71.7 MCA, 110 MOP

AHU *1, AIR HANDLING UNIT, ADDISON *VCA120, 2000 CFM AT Ø.6" ESP, UPFLOW, 84/78 EAT, 52.5 LAT, HOT GAS REHEAT, 37.5 KW ELECTRIC HEAT, 208V/3/60, 133.6 MCA, 150 MOP

HP *2, 4, HEAT PUMP, TRANE *4TWA3060A3, 5 TON NOMINAL CAPACITY, 208V/3/60, 24 MCA, 40 MOP

AHU *2, 4, AIR HANDLING UNIT, TRANE *4TEC3F60B1, 1800 CFM AT Ø.5" ESP, UPFLOW, 7.2 KW ELECTRIC HEAT, 208V/1/60, 53 MCA, 60 MOP

HP *3, HEAT PUMP, TRANE *4TWA3030A3, 2½ TON NOMINAL CAPACITY, 208V/3/60, 11 MCA, 15 MOP

AHU *3, AIR HANDLING UNIT, TRANE *4TEC3F36B1, 900 CFM AT Ø.5" ESP, UPFLOW, 3.6 KW ELECTRIC HEAT, 208V/1/60, 26 MCA, 30 MOP

EF *1-2, EXHAUST FAN, LOREN COOK *SC-612, 420 CFM AT Ø.125" SP, 3.3 SONES, 120V

EF *3-4, EXHAUST FAN, LOREN COOK *SC-124, 110 CFM AT Ø.25" SP, 1.1 SONES, 120V

EF *5-7, EXHAUST FAN, LOREN COOK *SC-124, 110 CFM AT Ø.125" SP, 1.6 SONES

JTSD, JET THROW SLOT DIFFUSER, TITUS FLOWBAR SERIES, JET THROW PATTERN CONTROLLER, SLOT WIDTH AND LENGTH AS PER PLAN, BORDER TYPE 22, HARD CEILING CLIPS, BLANK OFFS, SPACERS, PLENUMS AS REQUIRED

HTSD, HIGH THROW SLOT DIFFUSER, TITUS FLOWBAR SERIES, HIGH THROW PATTERN CONTROLLER, SLOT WIDTH AND LENGTH AS PER PLAN, BORDER TYPE 22, HARD CEILING CLIPS, BLANK OFFS, SPACERS, PLENUMS AS REQUIRED

CD, CEILING DIFFUSER, TITUS *TMS, SIZE AS PER PLAN, WHITE FINISH, LAY-IN BORDER

CDL, CEILING DIFFUSER, TITUS *TDC, SIZE AS PER PLAN, WHITE FINISH, LAY-IN BORDER, ROUND NECK

CRG, CEILING RETURN GRILLE, TITUS *50F, SIZE AS PER PLAN, WHITE FINISH, ½"x½"x1" GRID, LAY-IN BORDER

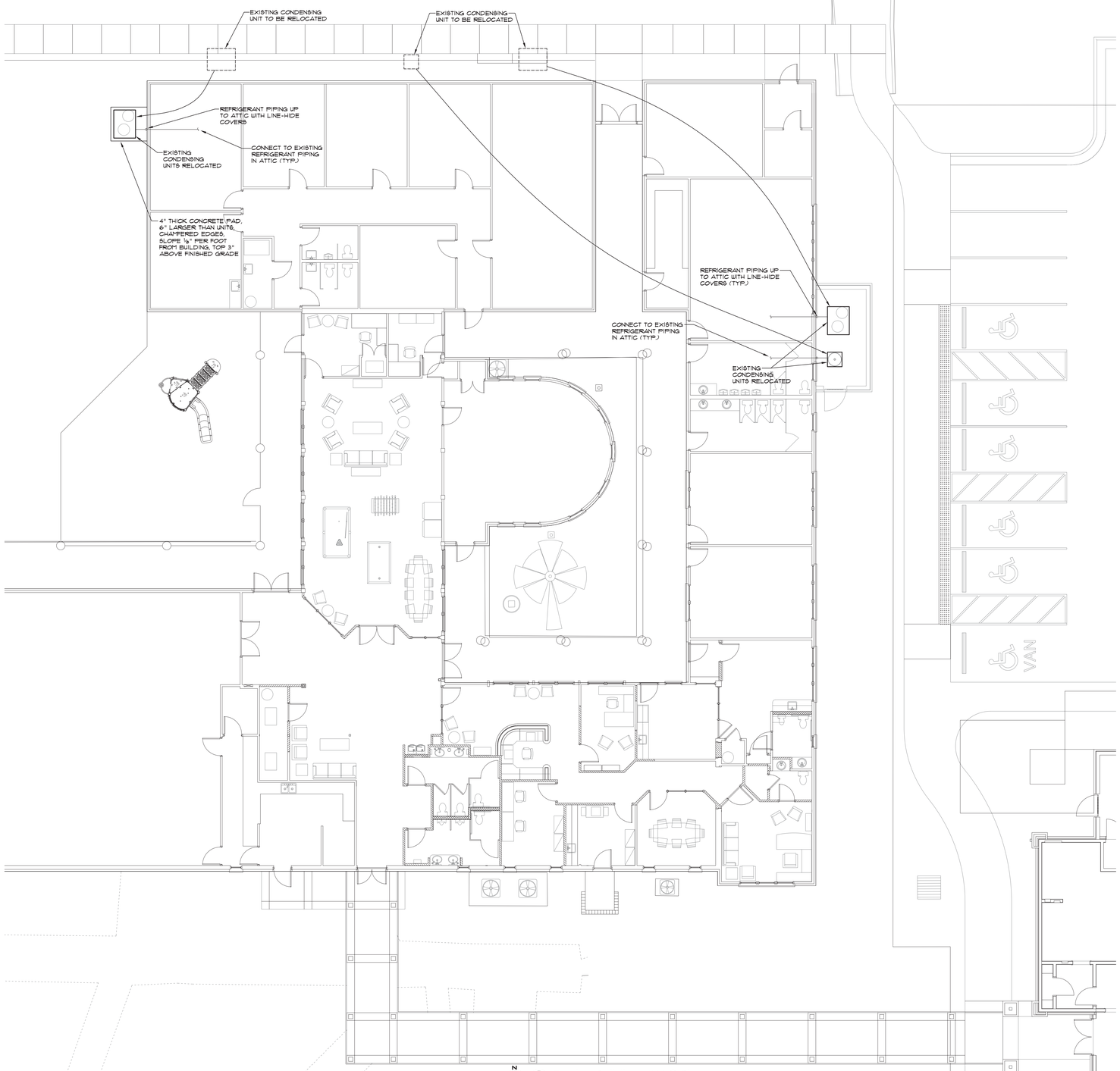
WRG, WALL RETURN GRILLE, TITUS *33R, SIZE AS PER PLAN, WHITE FINISH, SURFACE MOUNT, BLADES PARALLEL TO FLOOR

BV, BRICK VENT, RUSKIN *BV160D, 16x4⅛", KYNAR FINISH, COLOR AS PER ARCHITECT

1 Equipment Schedule
M1.1 NO SCALE

- FURNISH AND INSTALL 4 ZONE ELECTRONIC TIMECLOCK TO CONTROL HVAC SYSTEM. ZONES TO BE SANCTUARY / NARTHEX, CHAPEL, AND FAMILY ROOM. THERMOSTATS TO HAVE CLOCK TERMINALS AS INDICATED IN DETAIL. SYSTEM TO BE PROGRAMMED PER OWNERS INSTRUCTIONS TO PLACE SYSTEM IN OCCUPIED MODE. TIME SWITCH TO PLACE SYSTEM IN OCCUPIED MODE WHEN NOT ON PROGRAMMED SCHEDULE. ONE WALL TIME SWITCH PER ZONE.
- 100% O.A. SYSTEM TO BE ENERGIZED UPON OCCUPIED MODE AND IS TO OPERATE BASED UPON SPACE TEMPERATURE
- SYSTEM AT SACRISTY AND CHOIR TO OPERATE WITH THERMOSTAT AS PER DETAIL WITHOUT CONNECTION TO TIMECLOCK

7 CONTROL SYSTEM
M1.1 NO SCALE



N
1 Existing Building HVAC Plan
M0.1 1/8" = 1'-0"

STATE OF ALABAMA REGISTERED PROFESSIONAL ENGINEER FRANK STIGALL NO. 26604
2-23-12 *DCS

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DATE:	REV DATE:
2-24-12	.
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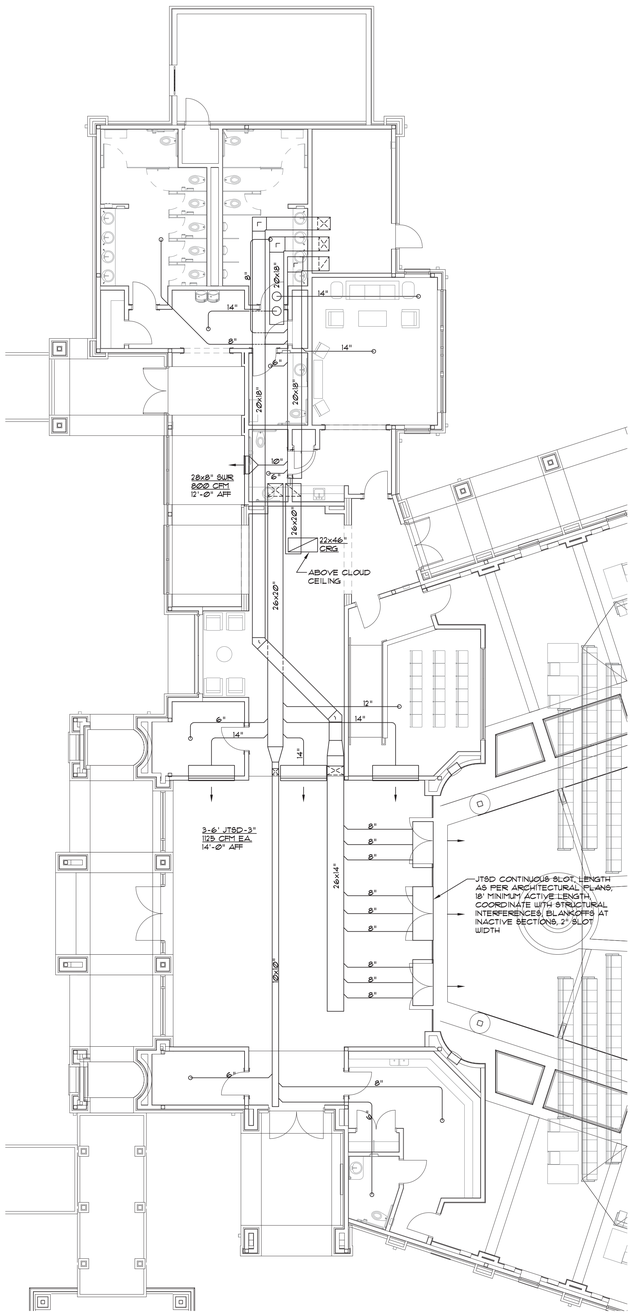
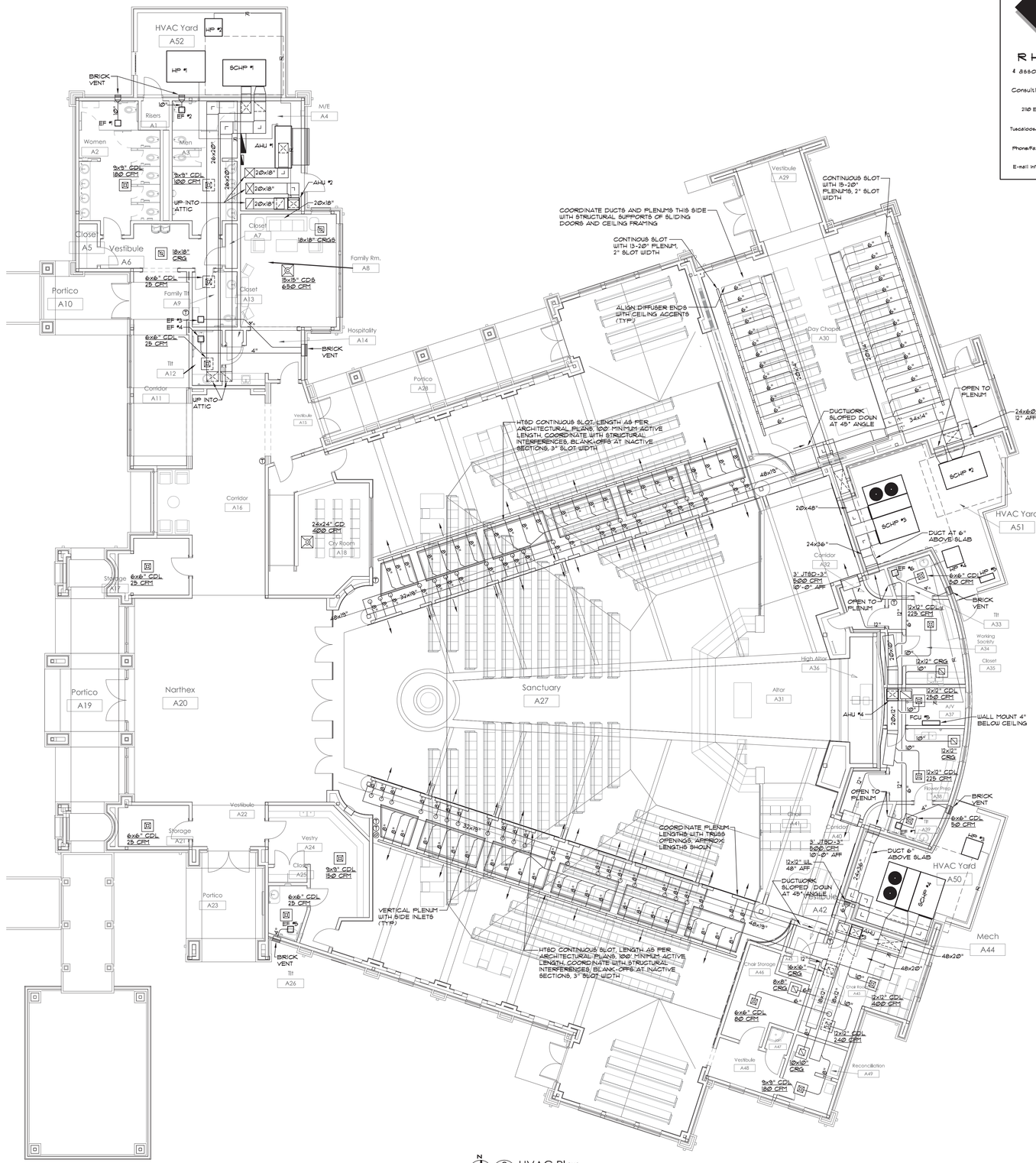
Existing Building HVAC Plan

SHEET NUMBER M0.1



N 2 M1.1 HVAC Attic Plan
1/8" = 1'-0"



N 2 M1.1 HVAC Plan
1/8" = 1'-0"

STATE OF ALABAMA
REGISTERED
NO. 19611
PROFESSIONAL
ENGINEER
FRANK STIGALL
2-23-12

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STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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HVAC Plan

SHEET NUMBER M1.1

ABBREVIATIONS: W.P.-WEATHERPROOF, C.B.B.-COMMUNICATIONS BACK BOARD, AFF-ABOVE FINISHED FLOOR, N.E.C.-NATIONAL ELECTRICAL CODE

- CEILING OUTLET, FIXTURE TYPE "A", CIRCUIT # (TYPICAL)
- CEILING OUTLET, RECESSED IN CEILING
- WALL OUTLET, BRACKET FIXTURE
- MODULAR FLUORESCENT FIXTURE, RECESS MOUNTED IN CEILING
- CEILING OUTLET, FLUORESCENT FIXTURE, SURFACE OR STEM MOUNTED
- CEILING MOUNTED TRACK, 2 FIXTURE HEADS SHOWN
- SEMI-RECESSED GRADE MOUNTED LUMINAIRE
- POLE MOUNTED FIXTURE, SINGLE LUMINAIRE SHOWN
- WALL OUTLET, RECESSED IN WALL
- WALL OUTLET, 20A DUPLEX RECEPTACLE, CENTERLINE 18" AFF
- WALL OUTLET, 20A GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE, CENTERLINE 18" AFF
- WALL OUTLET, 20A ISOLATED GROUND DUPLEX RECEPTACLE, HEIGHT AS NOTED
- WALL OUTLET, 2 GANG, 18" AFF, TWO 20A DUPLEX RECEPTACLES (QUAD)
- SPECIAL HEIGHT WALL OUTLET, SEE SPECIFICATIONS AND ARCHITECTURAL DETAILS OR AS NOTED ON PLAN
- MULTI-SERVICE FLOOR OUTLET, FSR #FL-300P-4-B, W/ #FL-300P-SLP-C COVER, #5252 RECEPTACLE, SEE E3.1 FOR ADDITIONAL INFORMATION
- FLOOR OUTLET, WIREMOLD #881, W/ #885TGFIAL COVER, #5252 RECEPTACLE
- WALL COMMUNICATIONS OUTLET, 18" AFF, WITHIN 6" OF RECEPTACLE, ¾"C. STUBBED TO BELOW COMMUNICATIONS BACKBOARD 'CBB-C'
- WALL COMMUNICATIONS OUTLET, 46" AFF, ¾" CND. STUBBED TO COMMUNICATIONS BACKBOARD 'CBB-C'
- WALL OUTLET, SWITCH, SINGLE POLE, 46" AFF OR SPECIAL HEIGHT AS NOTED
- WALL OUTLET, AUDIO SYSTEM VOLUME CONTROLLER, ¾"C. STUBBED ABOVE ACCESSIBLE CEILING, ¾"C. TO A/V RACK. CONTROLLER AND CABLING BY A/V INSTALLER
- CEILING OUTLET, FLUSH MOUNT DIGITAL OCCUPANCY SENSOR. SUBSCRIPT INDICATES WATTSTOPPER NO. AS FOLLOWS: NO SUBSCRIPT, #LMPC-100-1 HIGH DENSITY, L: #LMPC-100 LONG RANGE, S: #LMUC-100-2 ULTRA SONIC, 2: #LMDC-100 DUAL TECHNOLOGY
- WALL OUTLET, VACANCY SENSOR, WATTSTOPPER #PW-100, 46" AFF. PROGRAM FOR MANUAL 'ON'
- $_1$ WALL OUTLET, DUAL RELAY VACANCY SENSOR, WATTSTOPPER #PW-200, 46" AFF. PROGRAM FOR MANUAL 'ON'
- $_3$ WALL OUTLET, 3-WAY VACANCY SENSOR, WATTSTOPPER #PW-200, 46" AFF. PROGRAM FOR MANUAL 'ON'
- $_4$ WALL OUTLET, DUAL RELAY VACANCY SENSOR, WATTSTOPPER #PW-200, 46" AFF.
- WALL OUTLET, ONE BUTTON DIGITAL WALL SWITCH, 46" AFF, ⅜" CONDUIT STUBBED ABV. ACCESSIBLE CEILING, WATTSTOPPER #LMSW-100 SERIES, SUBSCRIPT DENOTES NO. OF BUTTONS. SEE LOW VOLTAGE LIGHTING CONTROL WIRING DIAGRAM.
- LIGHTING CONTROL SYSTEM SWITCH STATION, 46" AFF, SUFFIX INDICATE TYPE. SEE LIGHTING CONTROL PANEL RISER DIAGRAM
- HOME RUN 3#3-½"C, 4#3-½"C, 3#2 & #2 ISOLATED GROUND CONDUCTOR, ETC. AS PER N.E.C. EQUIPMENT GROUNDING CONDUCTOR TO BE PULLED IN ALL RACEWAYS IS NOT INDICATED BY A SLASH MARK
- EMPTY CONDUIT W/PULL CORD
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- BRANCH CIRCUIT CONCEALED IN OR UNDER FLOOR, SEE SPECIFICATIONS FOR CIRCUIT TYPE
- FLEXIBLE CONDUIT CONNECTION, SEAL-TITE ON EXTERIOR
- LIGHTING CONTROL SYSTEM CABLING, PRE-TERMINATED CAT 5E, CONCEALED ABOVE CEILING OR ½"C. WHERE EXPOSED
- LOW VOLTAGE CABLE, 12/2
- EMERGENCY BRANCH CIRCUIT
- LOCAL TOGGLE EQUIPMENT DISCONNECT SWITCH, 20A SINGLE OR 2 POLE DEVICE, LOCATE TO COMPLY WITH NEC AND LOCAL AUTHORITIES
- NON-FUSED DISCONNECT SWITCH, TYPE HD
- CONNECTION TO FRACTIONAL H.P. MOTOR
- CEILING J-BOX
- WALL J-BOX
- DIGITAL ROOM CONTROLLER, MTD TO J-BOX ABV. ACCESSIBLE CEILING, WATTSTOPPER NO. AS FOLLOWS: NO SUBSCRIPT, #LMRC-101 SINGLE RELAY, 2: #LMRC-102 DUAL RELAY. SEE LOW VOLTAGE LIGHTING CONTROL WIRING DIAGRAM
- EMERGENCY LIGHTING CONTROL UNIT, WATTSTOPPER #ELCU-200
- LED LIGHTING DRIVER ABOVE CEILING, MODALIGHT # MP41 DIMMABLE
- LIGHTING TRANSFORMER ABOVE CEILING, LUCIFER PSA-60-12H.
- WALL OUTLET, LIGHTING CONTROL SYSTEM PHOTOCELL, NEXTLIGHT #C4123
- PANELBOARD
- WALL OUTLET FOR CONTROL, 46" AFF, VERIFY EXACT LOCATION AND SIZE W/H.V.A.C. CONTRACTOR, ¾" CONDUIT TO RESPECTIVE HVAC EQUIPMENT
- CONNECTION TO FRACTIONAL H.P. MOTOR
- INVERTER REMOTE ALARM PANEL, 48" AFF.
- CEILING SPEAKER LOCATION, 1½"C. HOMERUN FROM ABOVE ACCESSIBLE CEILING TO A/V RACK.

NOTE: DEVICE COLOR TO BE AS PER ARCHITECT.

FIRE ALARM DEVICES:

- FAP: FIRE ALARM PANEL, SIMPLEX #4008 CONTROL PANEL W/ VOICE CONTROL, SURFACE MOUNT.
- ANN: REMOTE ANNUNCIATOR, SIMPLEX #4606-9101, FLUSH MOUNT, 54" AFF
- FS: CONNECTION TO FIRE SPRINKLER FLOW SWITCH
- TS: CONNECTION TO FIRE SPRINKLER TAMPER SWITCH
- DUCT DETECTOR, SIMPLEX #4098-9756, AUXILIARY SHUTDOWN RELAY
- CEILING MOUNTED SMOKE DETECTOR, SIMPLEX #4098-9714 W/ #4098-9792 BASE
- AUDIBLE VISUAL INDICATING DEVICE, SPEAKER, SYNCHRONIZED FLASH, WALL MOUNT 1'-4" AFF, 15 CANDELA OR SUFFIX INDICATES CANDELA SETTING, WHITE HOUSING
- VISUAL INDICATING DEVICE, SYNCHRONIZED FLASH, WALL MOUNT 1'-4" AFF, 15 CANDELA OR SUFFIX INDICATES CANDELA SETTING, WHITE HOUSING
- MANUAL PULL STATION, DOUBLE ACTION, SIMPLEX #4099-9003, WALL MOUNT 46" AFF

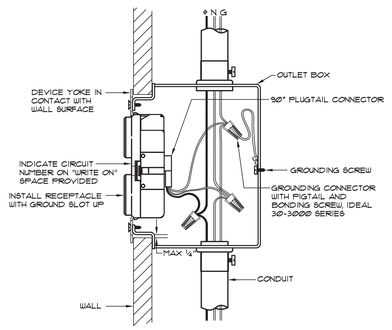
NOTES:

- NOTE: FIRE ALARM SYSTEM WORK TO BE PERFORMED BY QUALIFIED PERSONNEL AS PER NFPA 72 (2002); 4.3.3 AND 4.4.4.2. SYSTEM TO BE CERTIFIED UPON COMPLETION OF WORK.
- ALL PRODUCTS INSTALLED ON PROJECT MUST BE MANUFACTURED IN THE USA OR MEET THE REQUIREMENTS OF THE AMERICAN RECOVERY AND REINVESTMENT ACT.
- ALL HEIGHTS ARE CENTERLINE UNLESS NOTED OTHERWISE.

1 Electrical Symbols
E0.1 N.T.S.

PANEL 'MPA'						
DESCRIPTION: 120/208V, 3Φ, 4 WIRE, 800A MLO, BOTTOM, 65K AIC RATED, NEMA 3R, SE LABEL, 25Ø KA INTEGRAL SPD.						
CIRCUIT DESCRIPTION	NO.	BRKR.	BRKR.	NO.	CIRCUIT DESCRIPTION	
PANEL 'I'		200/2	300/3		EXIST PANEL 'D'	
400/3 PROVISION			400/3		EXIST PANEL 'R'	
100/3 PROVISION					100/3 PROVISION	

5 Panel 'MPA' Schedule
E0.1 No Scale



6 Receptacle Installation Detail
E0.1 N.T.S.

PANEL 'MPC'						
DESCRIPTION: 120/240V, 3Φ, 4 WIRE, 200A MAIN BRKR, BOTTOM, 65K AIC SERIES RATED, SURFACE, SE LABEL, 25ØKA INTEGRAL SPD, CUTLER-HAMMER PRL4 SERIES						
CIRCUIT DESCRIPTION	NO.	BRKR.	BRKR.	NO.	CIRCUIT DESCRIPTION	
SCHP #1		125/3	200/3		PANEL 'CA'	
HP #1		110/3	100/3		SCHP #2	
HP #2		40/3	50/3		HOIST DISTRIBUTION/ CONTACTOR PANEL (HDP)	
AHU #1		150/3	200/3		PANEL 'CB'	
SCHP #3		225/3	225/3		SCHP #4	
AHU #2		60/2			100/3 PROVISION	
WATER HEATER		30/2				
					100/3 PROVISION	
100/2 PROVISION						

2 Panel 'MPC' Schedule
E0.1 No Scale

PANEL 'CA'					
DESCRIPTION: 120/208V, 3Φ, 4W, 200A MLO, BOTTOM, SURFACE, 65K AIC SERIES RATED, 12Ø KA INTEGRAL SPD					
CIRCUIT DESCRIPTION	NO.	BRKR.	BRKR.	NO.	CIRCUIT DESCRIPTION
INVERTER	1	20/1	20/1	2	RECEPTACLES
INVERTER	3	20/1	20/1	4	RECEPTACLES
INVERTER	5	20/1	20/1	6	RECEPTACLES
LIGHTING	7	20/1	20/1	8	RECEPTACLES
LIGHTING	9	20/1	20/1	10	RECEPTACLES
LIGHTING	11	20/1	20/1	12	RECEPTACLES
LIGHTING	13	20/1	20/1	14	RECEPTACLES - WATER COOLER
LIGHTING	15	20/1	15/1	16	RECEPTACLES
LIGHTING	17	20/1	20/1	18	RECEPTACLES
LIGHTING	19	20/1	20/1	20	RECEPTACLES
LIGHTING	21	20/1	20/1	22	RECEPTACLES
LIGHTING	23	20/1	20/1	24	RECEPTACLES
LIGHTING	25	20/1	20/1	26	HOIST CONTROL PANEL (HCP)
LIGHTING	27	20/1	20/1	28	GATE
LIGHTING	29	20/1	20/1	30	GATE
LIGHTING	31	20/1	20/1	32	SPARE
LIGHTING	33	20/1	20/1	34	SPARE
LIGHTING	35	20/1	20/1	36	SPARE
LIGHTING	37	20/1	20/1	38	SPARE
SITE LTG.	39	20/1	20/1	40	SPARE
SITE LTG.	41	20/1	20/1	42	SPARE
COURTYARD FOUNTAIN	43	20/1		44	30/1 PROVISION
30/1 PROVISION	45			46	30/1 PROVISION
30/1 PROVISION	47			48	30/1 PROVISION
30/1 PROVISION	49			50	30/1 PROVISION
30/1 PROVISION	51			52	30/1 PROVISION
30/1 PROVISION	53			54	30/1 PROVISION

NOTE: INSTALL APPROVED HANDLE TIE ON BRANCH CIRCUIT BREAKERS SHARING NEUTRAL.

3 Panel 'CA' Schedule
E0.1 No Scale

PANEL 'CB'					
DESCRIPTION: 120/208V, 3Φ, 4 WIRE, 200A MLO, TOP, SURFACE, 65K AIC SERIES RATED, 12Ø KA INTEGRAL SPD					
CIRCUIT DESCRIPTION	NO.	BRKR.	BRKR.	NO.	CIRCUIT DESCRIPTION
SPARE	1	20/1	20/1	2	RECEPTACLES
LIGHTING	3	20/1	20/1	4	RECEPTACLES
LIGHTING	5	20/1	20/1	6	RECEPTACLES
RECEPTACLES	7	20/1	20/1	8	RECEPTACLES
RECEPTACLES	9	20/1	20/1	10	RECEPTACLES
RECEPTACLES	11	20/1	20/1	12	RECEPTACLES
RECEPTACLES	13	20/1	20/1	14	RECEPTACLES
RECEPTACLES	15	20/1	20/1	16	RECEPTACLES
RECEPTACLES	17	20/1	20/1	18	RECEPTACLES
FLOOR RECEPTACLES	19	20/1	20/1	20	STAGE FLOOR OUTLETS
FLOOR RECEPTACLES	21	20/1	20/1	22	STAGE FLOOR OUTLETS
FLOOR RECEPTACLES	23	20/1	20/1	24	FIRE ALARM PANEL 'FAP'
RECEPTACLE - A/V EQUIPMENT	25	20/1	20/1	26	RECEPTACLES - 'CBB-C'
RECEPTACLE - ARRAY SPEAKER	27	20/1	20/1	28	ATTIC LIGHTING
RECEPTACLE - ARRAY SPEAKER	29	20/1	20/1	30	ATTIC RECEPTACLES
RECEPTACLE - A/V EQUIPMENT	31	20/1		32	30/1 PROVISION
RECEPTACLE - SUBBASE SPEAKER	33	20/1		34	30/1 PROVISION
SPARE	35	20/1		36	30/1 PROVISION
RECEPTACLE - A/V EQUIPMENT	37	20/1		38	30/1 PROVISION
SPARE	39	20/1		40	30/1 PROVISION
SPARE	41	20/1		42	AHU #3
RECEPTACLE - A/V EQUIPMENT	43	20/1	30/2	44	
30/1 PROVISION	45			46	AHU #4
30/1 PROVISION	47		60/2	48	
HP #3	49			50	
	51	15/3	40/3	52	HP #4
	53			54	

NOTE: INSTALL APPROVED HANDLE TIE ON BRANCH CIRCUIT BREAKERS SHARING NEUTRAL.

4 Panel 'CB' Schedule
E0.1 No Scale

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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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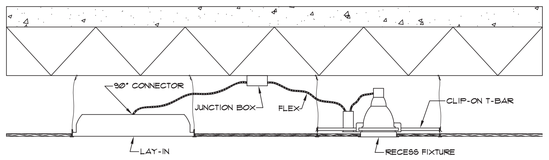
Symbols, Details & Schedules

SHEET NUMBER E0.1

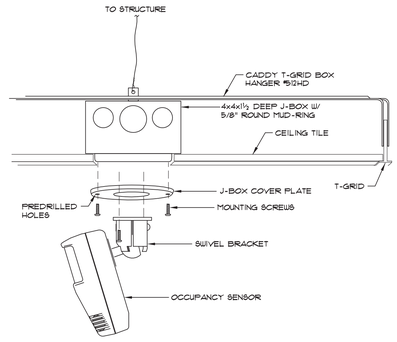


NOTES:

- EACH INDIVIDUAL FIXTURE IN AN ACCESSIBLE CEILING SHALL BE WIRED FROM A JUNCTION BOX SECURED TO STRUCTURE ABOVE CEILING AS SHOWN.
- RECESSED FIXTURES IN CONTINUOUS ROWS SHALL NOT BE THROUGH WIRED.
- NO MORE THAN TWO FIXTURES MAY BE WIRED TO A COMMON JUNCTION BOX.
- FIXTURE "WHIPS" SHALL BE ⅜" MINIMUM TRADE SIZE, FLEXIBLE METALLIC CONDUIT NOT GREATER THAN 6'-0" IN LENGTH. WHIP CONDUCTORS SHALL BE #12 AWG MINIMUM WITH EQUIPMENT GROUNDING CONDUCTOR BONDED TO JUNCTION BOX AND FIXTURE BODY WITH BONDING SCREWS.
- LAY-IN LIGHT FIXTURE SHALL BE SUPPORTED AT ALL FOUR CORNERS OF CEILING GRID.
- RECESS FIXTURES SHALL BE SUPPORTED BY CLIP-ON T-BAR SUPPORTS. CEILING GRID TO BE SUPPORTED AT ALL FOUR CORNERS WHERE FIXTURE IS MOUNTED.

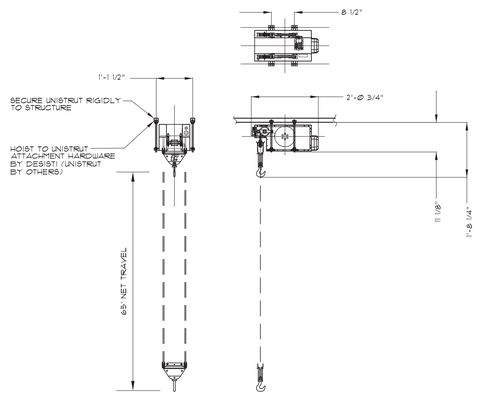
Recessed Fixture In Accessible Ceiling Detail

7 / E0.2 N.T.S.



Pendant Mounted Occupancy Sensor Detail In Grid Ceiling

8 / E0.2 N.T.S.



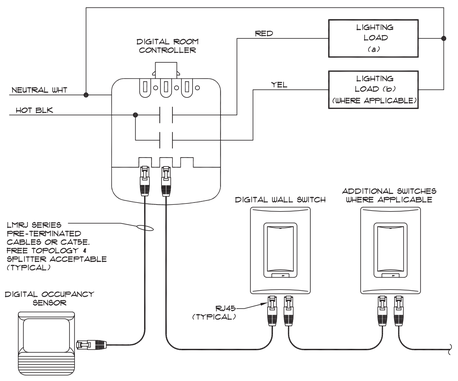
Hoist Mounting Detail

9 / E0.2 N.T.S.

CHANDELIER HOIST SYSTEM: DESIGTI #CH250 POINT HOIST (TOTAL OF 10). HMC-10 HOIST CONTROL PANEL AND SYSTEM DISTRIBUTION/ CONTACTOR, BREAKER PANEL

Chandelier Hoist System Description

10 / E0.2 No Scale



Digital Occupancy Sensor Wiring Diagram

3 / E0.2 N.T.S.

LCP-A						
RELAY	CKT	SPACE	FIXTURE TYPE(S)	OPERATION	CONTROLLER	LOAD (VA)
R1	CA-13	SANCTUARY	A	ON/OFF, DIM	CR1	1480
R2	CA-15	SANCTUARY	A	ON/OFF, DIM	CR2	1480
R3	CA-17	SANCTUARY	A	ON/OFF, DIM	CR3	1480
R4	CA-19	SANCTUARY	A	ON/OFF, DIM	CR4	1480
R5	CA-21	SANCTUARY	A	ON/OFF, DIM	CR5	1480
R6	CA-23	ALCOVE SEATING	D	ON/OFF, DIM	CR6	630
R7	CA-23	ALCOVE SEATING	D	ON/OFF, DIM	CR7	630
R8	CA-25	ALTER	FI	ON/OFF, DIM	CR8	300
R9	CA-27	DAY CHAPEL	B, F3	ON/OFF, DIM	CR9	1450
R10	CA-25	STATIONS OF THE CROSS	H	ON/OFF	---	60
R11	CA-25	BAPTISMAL FONT	U	ON/OFF, DIM	---	60
R12	CA-33	NARTHEX, CORRIDOR, VESTIBULE	I, N	ON/OFF	---	1220
R13	CA-35	CORRIDOR	N	ON/OFF	---	210
R14	CA-35	PORTICO	M	ON/OFF	---	330
R15	CA-35	CRY ROOM	N	ON/OFF	---	210
R16	CA-35	NARTHEX, VESTIBULE	R, L	ON/OFF	---	225
R17	CA-37	HIGH ALTER TRACK	T212, J1	ON/OFF	---	175
R18	CA-37	HIGH ALTER TRACK	T212, J1	ON/OFF	---	175
R19	CA-37	ATLER TRACK	T28, J	ON/OFF	---	220
R20	CA-37	ATLER TRACK	T28, J	ON/OFF	---	220
R21	CA-37	DAY CHAPEL TRACK	T28, J	ON/OFF	---	140
R22	CA-37	DAY CHAPEL TRACK	T28, J	ON/OFF	---	140
R23	CA-35	CRY ROOM	N	ON/OFF	---	140
R24	CA-39	SITE	SMF	ON/OFF	---	690
R25	CA-41	PARKING LOT	SLA, SLB	ON/OFF	---	1035
R26	CA-39	SITE	SPT	ON/OFF	---	625
R27	CA-41	WALKWAY COVER	SCM	ON/OFF	---	75
R28	CA-41	WALKWAY COVER	SCM	ON/OFF	---	50

Lighting Control Panel 'LCP-A' Schedule

4 / E0.2 N.T.S.

LCP-B						
RELAY	CKT	SPACE	FIXTURE TYPE(S)	OPERATION	CONTROLLER	LOAD (VA)
R31	CA-29	FOYER	FI	ON/OFF, DIM	CR10	600
R32	CA-29	FONT	F2	ON/OFF, DIM	CR11	150
R33	CA-31	ALCOVE	C	ON/OFF, DIM	CR12	555
R34	CA-31	ALCOVE	C	ON/OFF, DIM	CR12	555
R41	CA-29	NICHE	Q	ON/OFF, DIM	---	6
R42	CA-29	CORRIDOR DISPLAY	T14, JW	ON/OFF	---	145
R43	CA-29	PORTICO	M	ON/OFF	---	90
R44	CA-43	FOUNTAIN	---	ON/OFF	---	180
EMERGENCY SECTION						
R51	CA-1	SANCTUARY VIA INVERTER	FI	ON/OFF, DIM	CRE2	150
R52	CA-1	DAY CHAPEL VEST. VIA INVERTER	L	ON/OFF	---	45
R53	CA-1	ALCOVE SEATING VIA INVERTER	D	ON/OFF, DIM	CRE1	70
R54	CA-1	ALCOVE SEATING VIA INVERTER	D	ON/OFF, DIM	CRE1	70
R61	CA-1	DAY CHAPEL VIA INVERTER	B	ON/OFF, DIM	CRE5	275
R62	CA-2	ALTER VIA INVERTER	FI	ON/OFF, DIM	CRE3	300
R63	CA-2	NARTHEX, CORRIDOR VIA INVERTER	I	ON/OFF	---	270
R64	CA-2	CRY ROOM VIA INVERTER	N	ON/OFF	---	35
R71	CA-2	PORTICO VIA INVERTER	M	ON/OFF	---	90
R72	CA-2	CORRIDOR VIA INVERTER	N	ON/OFF	---	35
R73	CA-2	PORTICO VIA INVERTER	M	ON/OFF	---	30
R74	---	SPARE	---	---	---	---

Lighting Control Panel 'LCP-B' Schedule

5 / E0.2 N.T.S.

INVERTER: EMERGI-LITE #12063000-IP5-12D-30-TCP-OCB1220-RSAP-INVON			
INPUT	OUTPUT	SERVES	LOAD (VA)
R51	INV-1	SANCTUARY	150
R52	INV-2	DAY CHAPEL VESTIBULE	45
R53	INV-3	ALCOVE SEATING	70
R54	INV-4	ALCOVE SEATING	70
R61	INV-5	DAY CHAPEL	275
R62	INV-6	ALTER	300
R63	INV-7	NARTHEX, CORRIDOR	270
R64	INV-8	CRY ROOM	35
R71	INV-9	PORTICO	90
R72	INV-10	CORRIDOR	35
R73	INV-11	PORTICO	30
CA-3	INV-12	EXIT SIGNS/ EMERGENCY LTG.	150

Inverter Schedule

6 / E0.1 No Scale

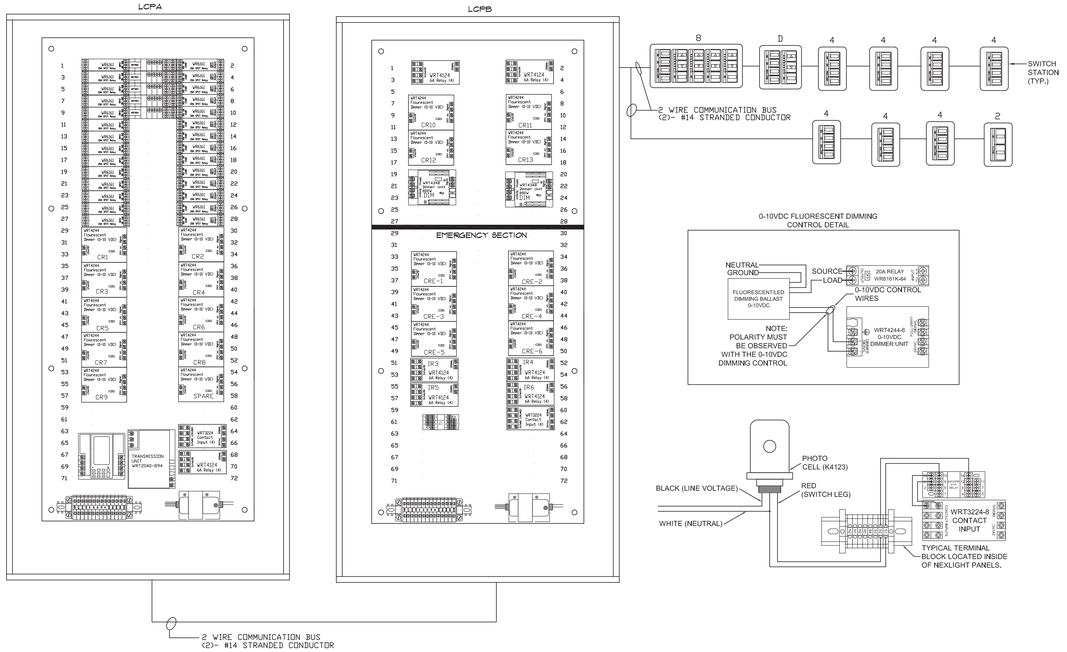
SYMBOL	MANUFACTURER	CATALOG NUMBER	LAMP QTY.	LAMP TYPE	LAMP WATTS	MOUNTING	REMARKS
A	BETA CALCO	63-2442-4A-1-DB-SU-SC	16	FLT	42	CEILING PENDANT	3, 7
B	BETA CALCO	Q-05155	6	FLT	40	CEILING PENDANT	3, 7
C	BETA CALCO	63-2442-3A-1-DB-SU-SC	12	FLT	42	CEILING PENDANT	3, 7
D	VANTAGE	ATADJVLED-1-1000L-3500K-L1030-WHT-SLOPE	---	LED	---	RECESS CEILING	2, 3
FI	AFFINEON	DL4000-U-WW-60-V-R-B	---	LED	---	RECESS CEILING	3
F2	AFFINEON	DL4000-U-WW-14-V-R-B	---	LED	---	RECESS CEILING	3
F3	AFFINEON	DL1500-U-WW-32-V-R-B	---	LED	---	RECESS CEILING	3
G	LUMAX	RG-2U2-C09PR8-FB-R4-SLL	2	T2U	31	RECESS CEILING	
H	ELP	14UIL8-FLR	---	LED	---	RECESS NICHE CEILING	2
I	BETA CALCO	42-2042P-V8-1-T5I	2	PLL	40	CEILING CABLE SUSPENDED	7
J	LTG SERVICES	BP75-N-00-B	1	MR16	71	TRACK	
J1	LTG SERVICES	LX2040-F-3-M6-00-B	---	LED	---	TRACK	2
J2	LTG SERVICES	LX2044-F-3-M6-00-B	---	LED	---	TRACK	2
JW	LTG SERVICES	BP75-W-00-B	1	MR16	71	TRACK	
K2	LUMAX	WF-2171-02-C09PR8-8A-W	2	T8	17	SURFACE WALL, 7'-2" AFF	
K3	LUMAX	WF-225-03-C09PR8-8A-W	2	T8	25	SURFACE WALL, 7'-2" AFF	
K4	LUMAX	WF-232-03-C09PR8-8A-W	2	T8	32	SURFACE WALL, 7'-2" AFF	
L	WINONA LIGHTING	P-224	1	PLT	42	CEILING PENDANT	1, 7
M	FOCAL POINT	FC6D-26TT-8-RO-T-L835-DG-RO-DN-WP	1	PLT	26	RECESS CEILING	
N	FOCAL POINT	FC6D-32TT-8-RO-T-L835-DG-RO-DN-WP	1	PLT	32	RECESS CEILING	
O	ACCULITE	VC1060S	1	SPIRAL	26	SURFACE CEILING	
P	EUREKA	3165-1DH-SC-UH-2XCFD.13	2	PLD	13	SURFACE WALL	7
Q	LUCIFER	LPK-ALED-3K-W-FGL-5	---	LED	---	SEMI-RECESS CEILING	2, 10
R	WINONA LIGHTING	P-218	4	PLT	42	CEILING SUSPENDED	1, 7, 8
SCM	B-K LIGHTING	N8-LED-E23-MFL-BZP-13-RD, CANOPY	---	LED	---	SURFACE COLUMN	7
SLA	SELUX	8484-3X-2-H0I5DT6-BZ-DOUBLE	2	CMH16	150	POLE	4
SLB	SELUX	8484-3X-1-H0I5DT6-BZ-SINGLE	1	CMH16	150	POLE	4
SMF	INSIGHT	MG3-150-CMH2-MW-DBI-120-TBR	1	CMH16	150	SEMI-RECESS GRADE	
SPT	AMERILUX	D357-3-175MH-120V-CLB	1	PSMH	175	POLE	5
T14	LTG SERVICES	31210 TRACK	---	---	---	SEE ARCHITECTURAL DETAIL	
T28	LTG SERVICES	32220 TRACK	---	---	---	SEE ARCHITECTURAL DETAIL	
T212	LTG SERVICES	32230 TRACK	---	---	---	SEE ARCHITECTURAL DETAIL	
U	MODALIGHT	SUPER FLEX 3000K	---	LED	---	RECESS WALL GROOVE	2, 10, 12
V1	GALAXY LIGHTING	3700231-BRUSHED NICKEL	3	SPIRAL	13	SURFACE WALL	6, 7
V2	BROWNLEE	546Ø-36-GM-22IL	2	T5	21	SURFACE WALL	7
W	BETA CALCO	32-2155-**-VB	---	LED	---	SURF. WALL, CTR. @ 6'-6" AFF	1, 2
XC	EMERGI-LITE	TA-PE-**-G	---	---	---	SURFACE CEILING	2, 11
XW	EMERGI-LITE	TA-PE-**-G	---	---	---	SURFACE WALL, 9'-Ø" AFF	2, 11
Y8	LUMAX	C8-4-32-96-C09PR8-WG	4	T8	32	CEILING SUSPENDED	
Z	JUNO	184-WH	1	FL	9	RECESSED WALL, 12" AFF	

REMARKS:

1. FINISH AS PER ARCHITECT.
2. LAMPS(S) FURNISHED W/ FIXTURE.
3. Ø-10 VOLT DIMMING BALLAST.
4. MOUNT TO AT535-18FT-BZ POLE. SEE POLE BASE DETAIL.
5. MOUNT TO D711-12-CLB POLE. SEE POLE BASE DETAIL.
6. 3000K TEMPERATURE LAMP.
7. MOUNTING HEIGHT AS PER ARCHITECT.
8. LENS MATERIAL AS PER ARCHITECT.
9. MOUNT VERTICALLY. SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHT.
10. SEE DRAWINGS FOR REQUIRED LOW VOLTAGE TRANSFORMERS OR DRIVERS.
11. FACES AND ARROWS AS PER DRAWINGS.
12. LENGTH AS REQUIRED.

Fixture Schedule

1 / E0.2 No Scale



Nextlight Lighting Control Panel Riser Diagram

2 / E0.2 N.T.S.

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA REGISTERED PROFESSIONAL ENGINEER RANDALL H. SMITH 2-23-12 #8089

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STATE OF ALABAMA REGISTERED ARCHITECT MICHAEL A. ELLIS 3692

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Details, Diagrams & Schedules

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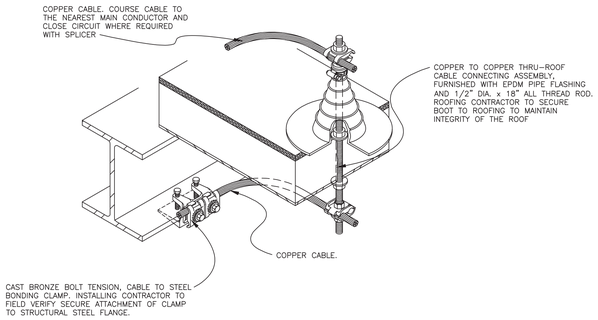
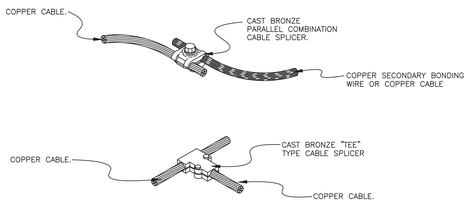


7 Thru-roof Cable Conn.
E0.3 NOT TO SCALE



8 Typical Cable Splicers
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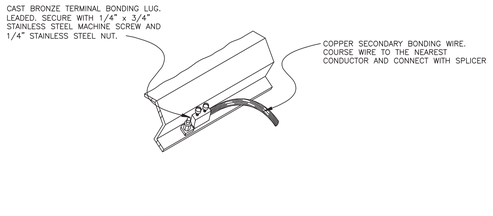
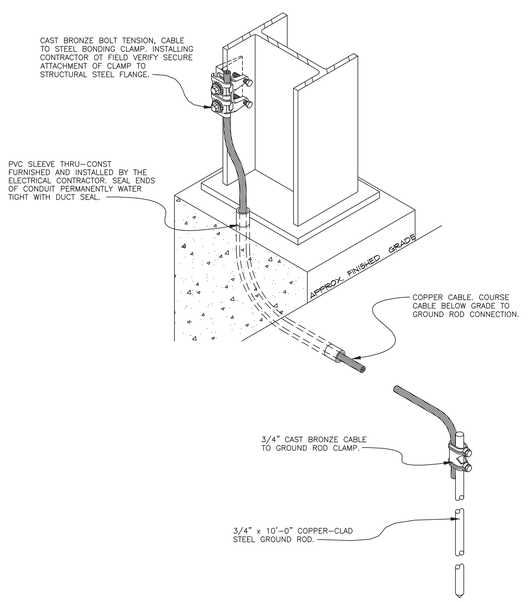


6 Typical Flashing Bond
E0.3 NOT TO SCALE

4 Thru-roof Air Terminal
E0.3 NOT TO SCALE



Concealed Downlead to Grounding Conn.
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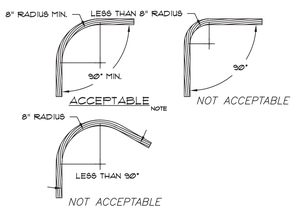

5 Typ. Cable Bend Requirements
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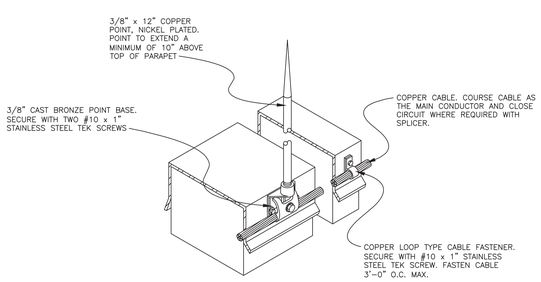
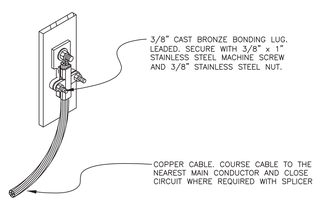


1 Parapet Air Terminal
E0.3 NOT TO SCALE



3 Typ. Equip. Frame Bond
E0.3 NOT TO SCALE

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New Construction of:
New Sanctuary
for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

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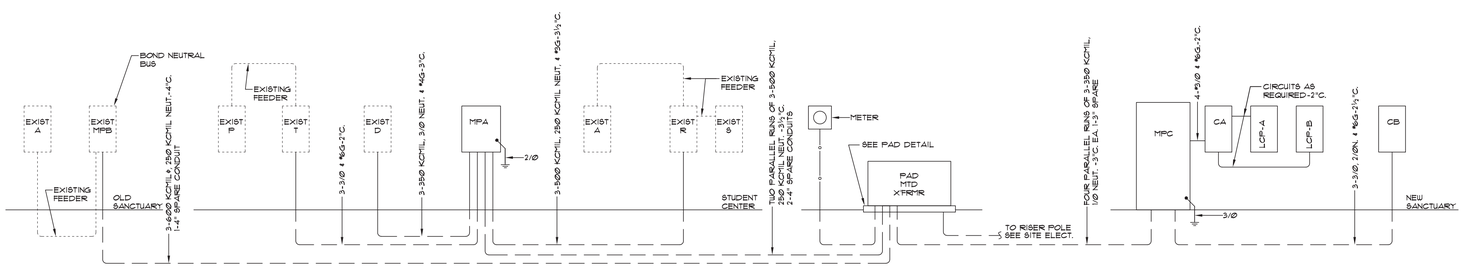
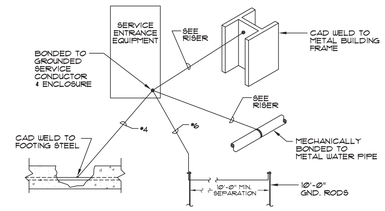
Lightning Protection Details

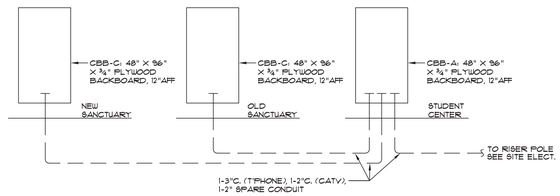
SHEET NUMBER E0.3



6 Riser Diagram
E1.0 N.T.S.



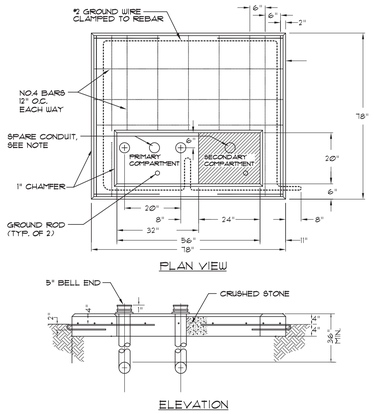
7 Service Grounding Diagram
E1.0 No Scale



5 Auxiliary Riser Diagram
E1.0 N.T.S.

1. EXISTING BUILDING ELECTRICAL SERVICE TO BE CONVERTED FROM 120/240V, 3Φ DELTA TO 120/208V, 3Φ WYE:
   - ALL 240V MOTORS ARE TO BE INSPECTED, VERIFIED SUITABLE FOR OPERATION AT 208V, AND CHANGE TAPS AS REQUIRED. STARTER OVERLOADS ARE TO BE REPLACED AS NECESSARY FOR INCREASED AMP DRAW.
   - EXISTING 120/240V PANELS TO HAVE NEW LAMINATED NAMEPLATE INSTALLED, READING "PANEL ** 120/208V - 1Φ (OR 3Φ)". INSTALL UPDATED TYPED DIRECTORY ON CARDSTOCK.
   - EXISTING HVAC EQUIPMENT TO BE CONVERTED FOR NEW SYSTEM VOLTAGE. CHANGE CONTROL TRANSFORMER TAP AND MAKE ANY OTHER ADJUSTMENTS NECESSARY.
2. EXISTING HVAC EQUIPMENT RELOCATED. RELOCATE/ INSTALL NEW BRANCH CIRCUIT AS REQUIRED.
3. ¾" CONDUIT STUBBED OUT FOR LOOP WIRING.

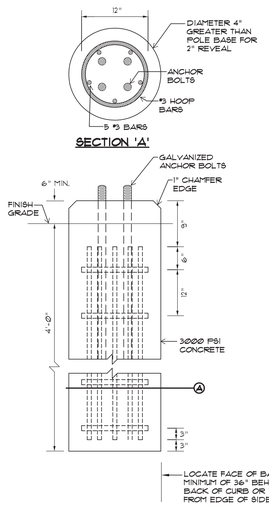
4 Specific Notes
E1.0 No Scale



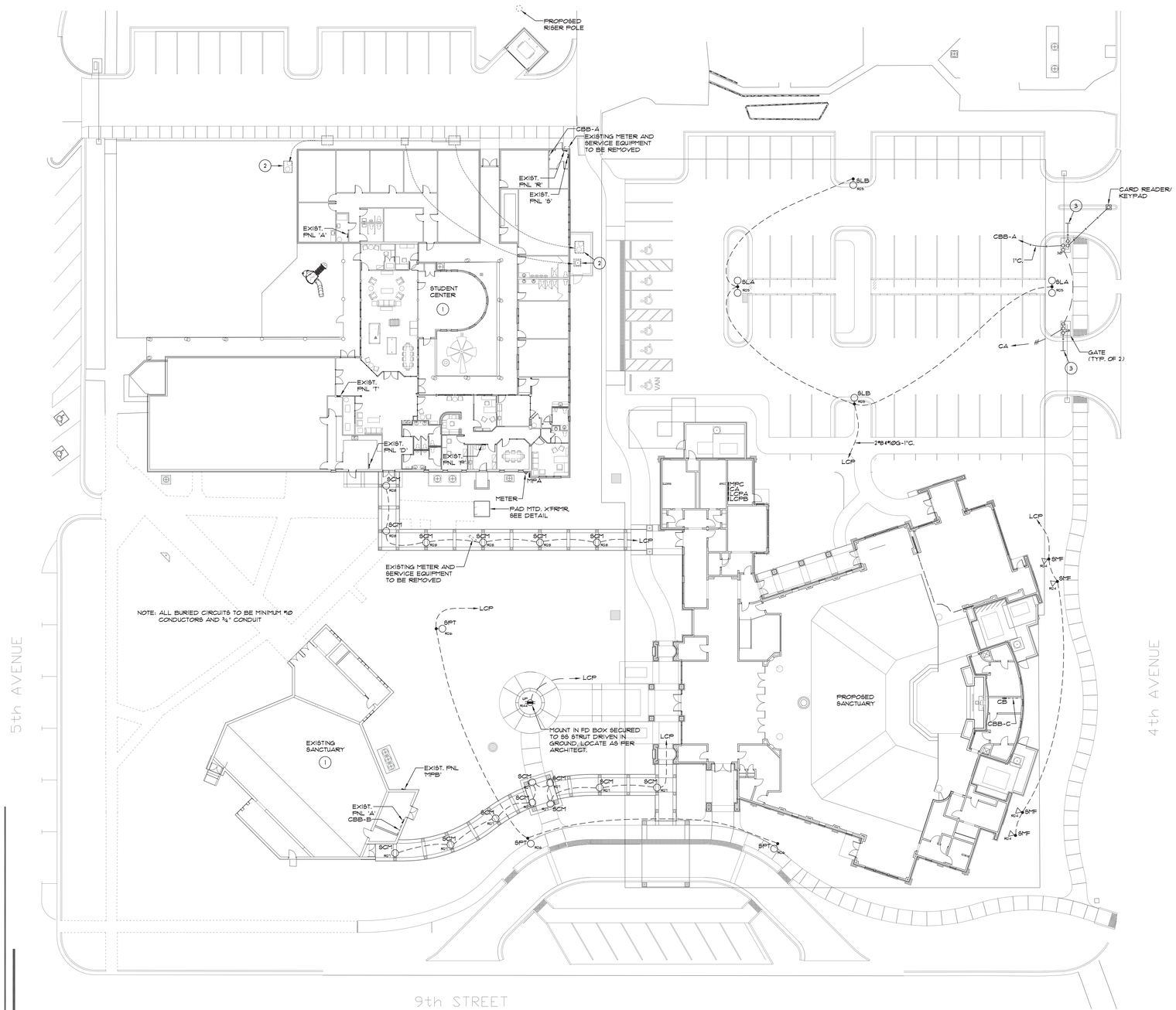
NOTES:

- CONCRETE SHALL HAVE A MINIMUM OF 28 DAYS COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 POUNDS, PAD SHALL BE CURED NOT LESS THAN 72 HOURS.
- ALL CONDUIT TO EXTEND 1 INCH ABOVE TOP OF PAD AND HAVE A BELL END INSTALLED. REBAR NOT TO BE INSTALLED IN PRIMARY OR SECONDARY OPENINGS.
- PAD FORMING AND CONDUIT TRENCH MUST BE INSPECTED BY ENGINEER BEFORE CONCRETE IS POURED.
- STUB 1-5" SPARE CONDUIT FROM PRIMARY COMPARTMENT AND 1-3" SPARE CONDUIT FROM SECONDARY COMPARTMENT TO POINT 5' BEYOND PAD AND CAP.
- PLAN VIEW DIMENSIONS FOR ESTIMATING PURPOSE ONLY, ADJUST AS PER APCO REQUIREMENTS.
- ALL CONCRETE EDGES TO HAVE 1" CHAMFER.
- GROUNDING TO INCLUDE 100 FT. OF #2 COPPER, 7 STRAND CONDUCTOR INSTALLED IN THE BOTTOM OF THE TRENCH OR 30 FT. SECTIONS OF GROUND ROD INSTALLED IN BOTH THE PRIMARY AND SECONDARY SIDES OF THE CONCRETE PAD WINDOW. SEPERATION BETWEEN GROUND RODS SHOULD BE AS GREAT AS POSSIBLE.

2 Transformer Pad Detail
E1.0 N.T.S



3 Pole Base Detail
E1.0 N.T.S



1 Site Electrical Plan
E1.0 1" = 20'-0"

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New Construction of:

New Sanctuary

for St. Francis of Assisi University Parish
Tuscaloosa, Alabama

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Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

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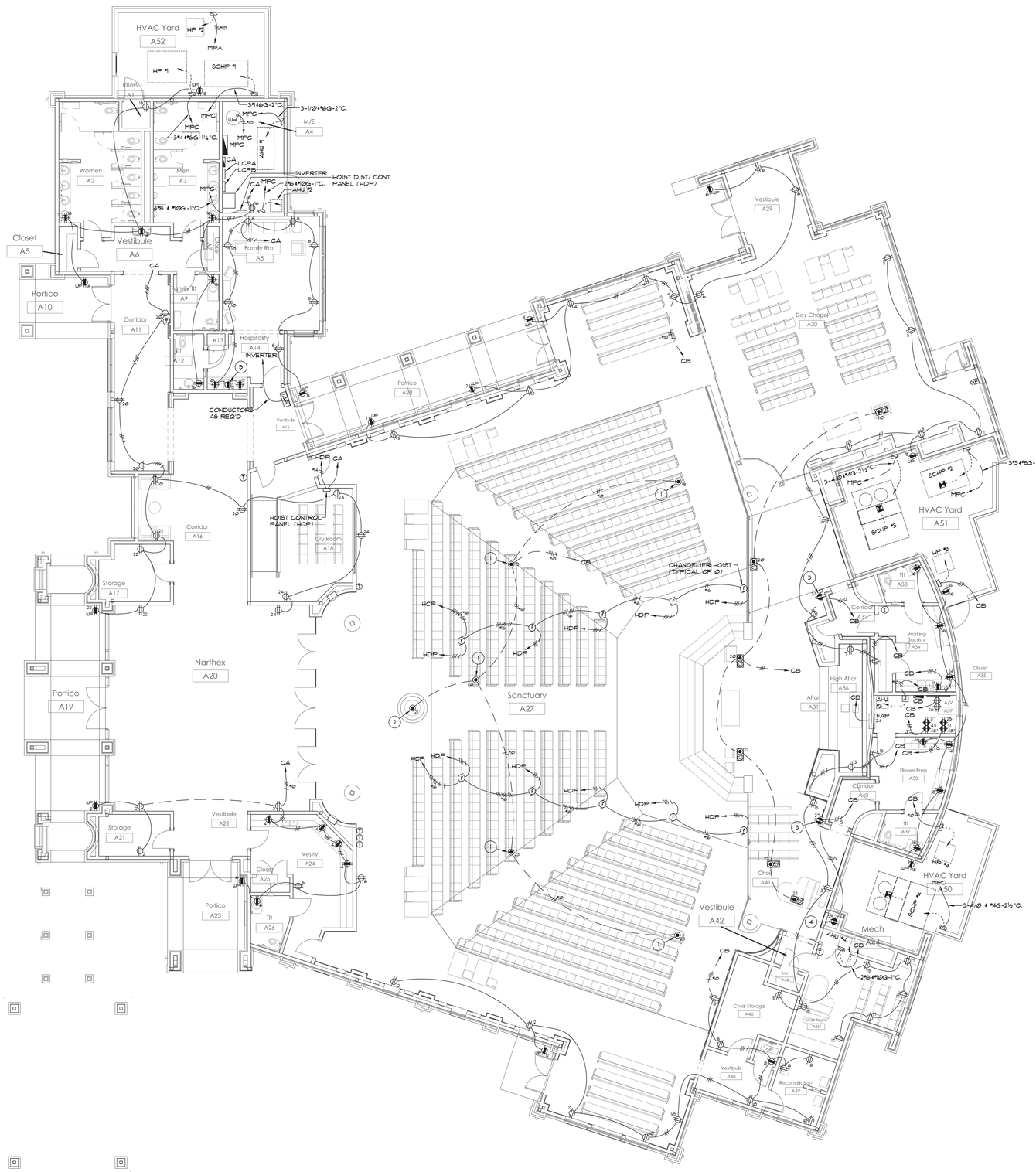
DRAWN BY:	SMT

Site Electrical Plan

SHEET NUMBER E1.0

1. COORDINATE LOCATION WITH PEWS
2. RECEPTACLE FOR BAPTISMAL FONT RECIRCULATION PUMP.
3. VERTICAL ARRAY SPEAKER LOCATION. COORDINATE RECEPTACLE WITH A/V INSTALLER.
4. SUBBASE SPEAKER LOCATION. COORDINATE RECEPTACLE WITH A/V INSTALLER.
5. RECEPTACLE BELOW SINK FOR ADJACENT UNDERCOUNTER APPLIANCE.

2 Specific Notes
E1.1 N.T.S.



1 Power Wiring Plan
E1.1 Scale: 1/8" = 1'-0"

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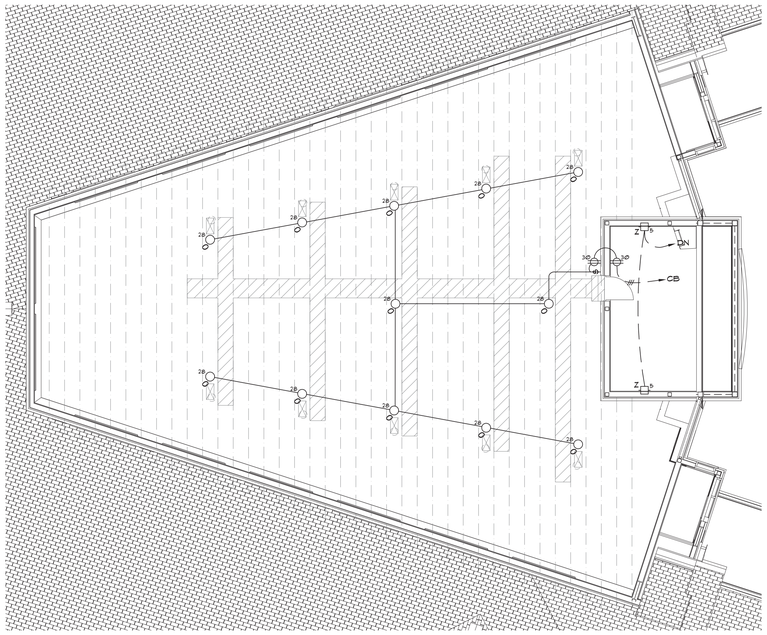
Power Wiring Plan

SHEET NUMBER E1.1

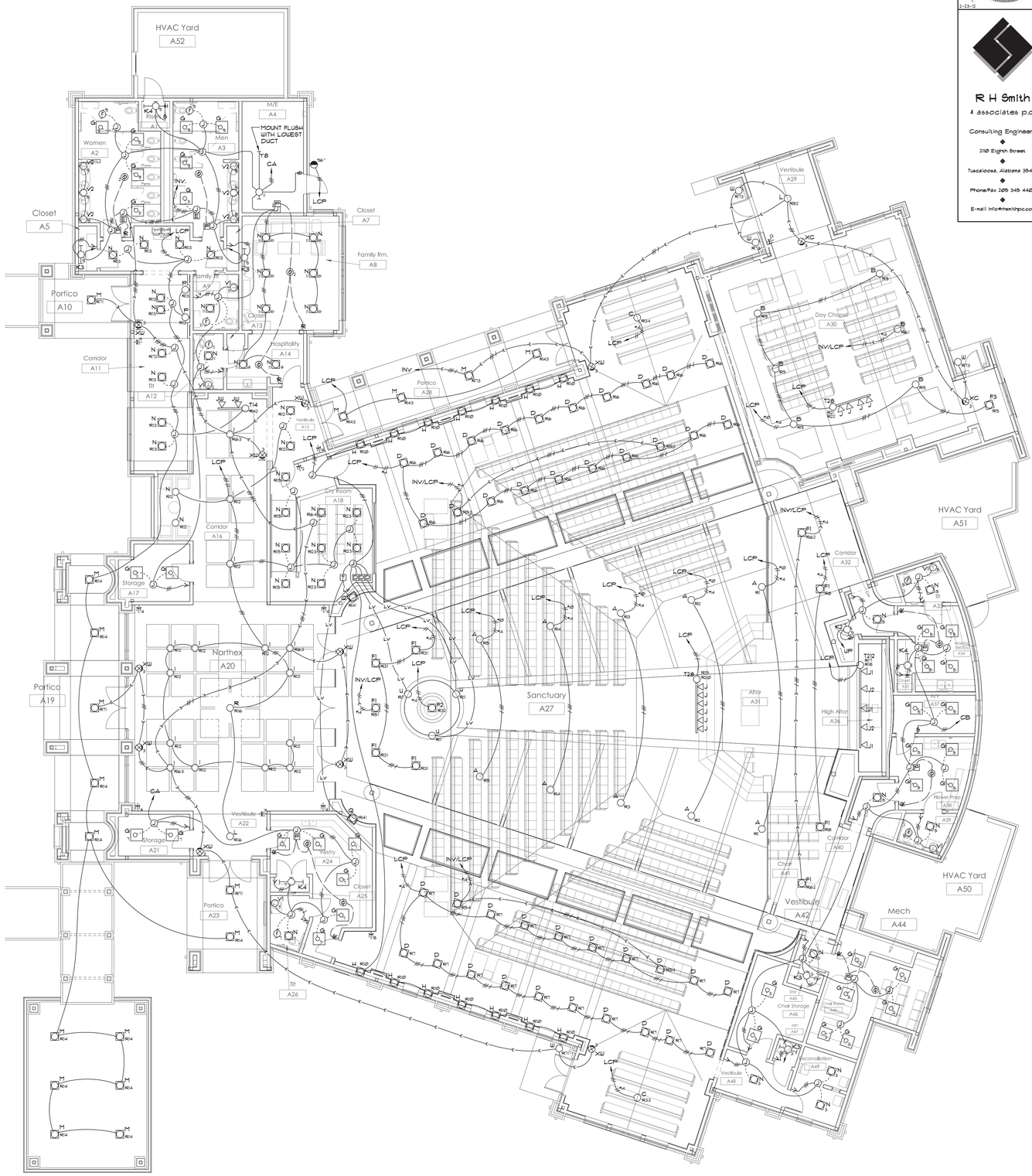
GENERAL NOTES:

- DO NOT SHARE NEUTRALS ON DIMMED CIRCUITS.
- DIMMING BALLAST CLASS 2 CONTROL CIRCUIT TO BE #14 AWG GREY & VIOLET CONDUCTORS.

3 General Notes
E2.1 No Scale



2 Attic Electrical Plan
E2.1 1/8" = 1'-0"



1 Lighting Plan
E2.1 1/8" = 1'-0"

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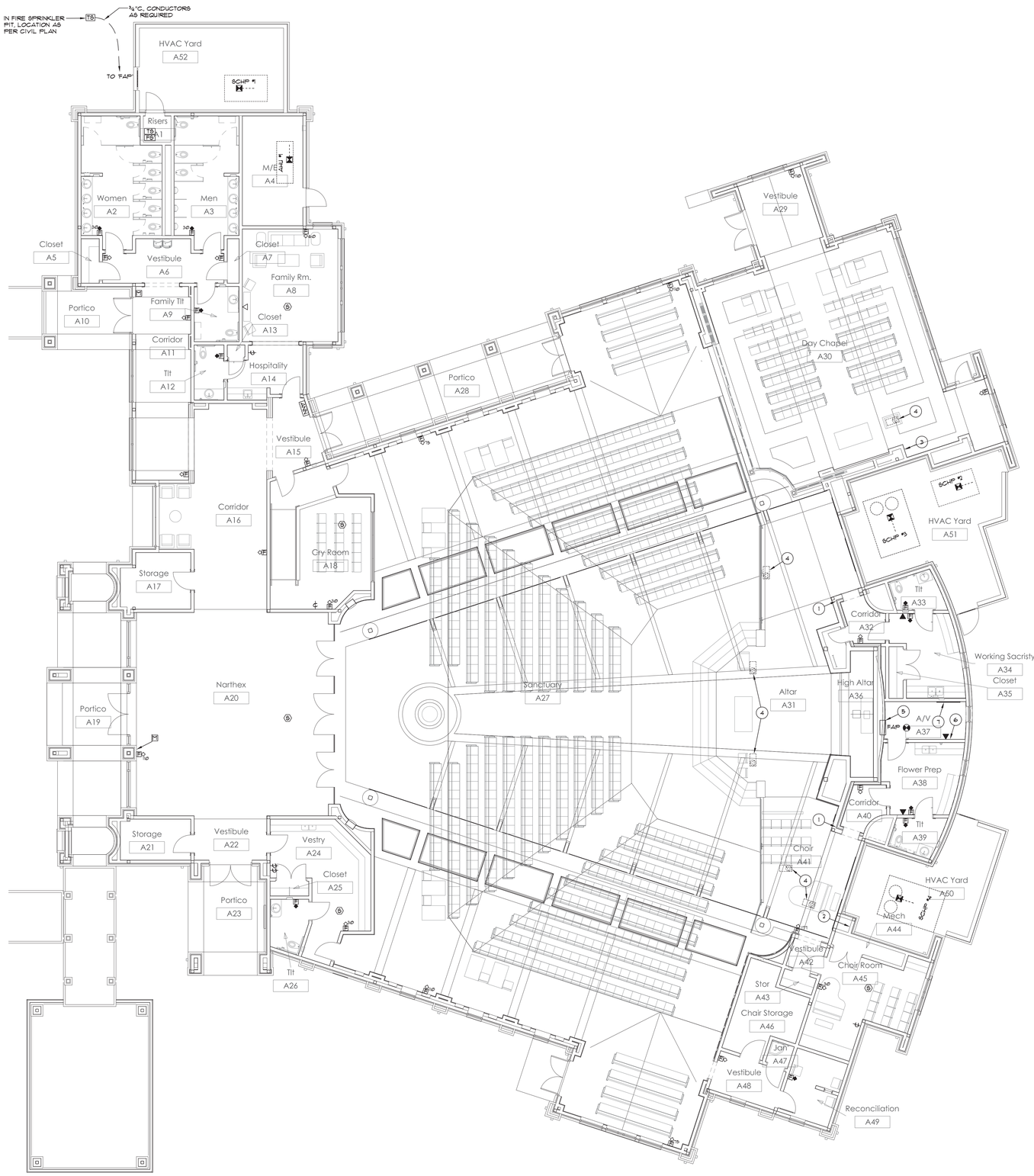
Lighting Plan

SHEET NUMBER E2.1

1. VERTICAL ARRAY SPEAKER LOCATION. FURNISH AND INSTALL OUTLET IN WALL RECESS, ADJACENT TO RECEPTACLE, WITH 1" CONDUIT BACK TO 'CBB-C' FOR FUTURE CABLING. COORDINATE REQUIREMENTS WITH A/V INSTALLER.
2. SUBBASE SPEAKER LOCATION. FURNISH AND INSTALL OUTLET IN VOID SPACE, ADJACENT TO RECEPTACLE, WITH 1" CONDUIT BACK TO 'CBB-C' FOR FUTURE CABLING. COORDINATE REQUIREMENTS WITH A/V INSTALLER.
3. BI-AMP REMOTE ETHERNET DEVICE LOCATION. FURNISH AND INSTALL FLUSH OUTLET WITH CONDUIT BACK TO 'CBB-C' FOR FUTURE CABLING. COORDINATE REQUIREMENTS WITH A/V INSTALLER.
4. MULTI-SERVICE FLOOR OUTLET, SEE E1.1. FURNISH AND INSTALL CONDUIT FOR A/V CABLING. COORDINATE QUANTITY AND SIZE OF CONDUITS WITH A/V INSTALLER.
5. PROVIDE CONNECTION TO TYPHONE SERVICE FOR FIRE ALARM SYSTEM MONITORING. COORDINATE WITH OWNER.
6. A/V RACK LOCATION, COORDINATE REQUIREMENTS WITH A/V INSTALLER.
7. COMMUNICATIONS BACKBOARD 'CBB-C', SEE AUXILIARY RISER DIAGRAM.

2 Specific Notes
E3.1 No Scale



1 Auxiliary Plan
E3.1 1/8" = 1'-0"

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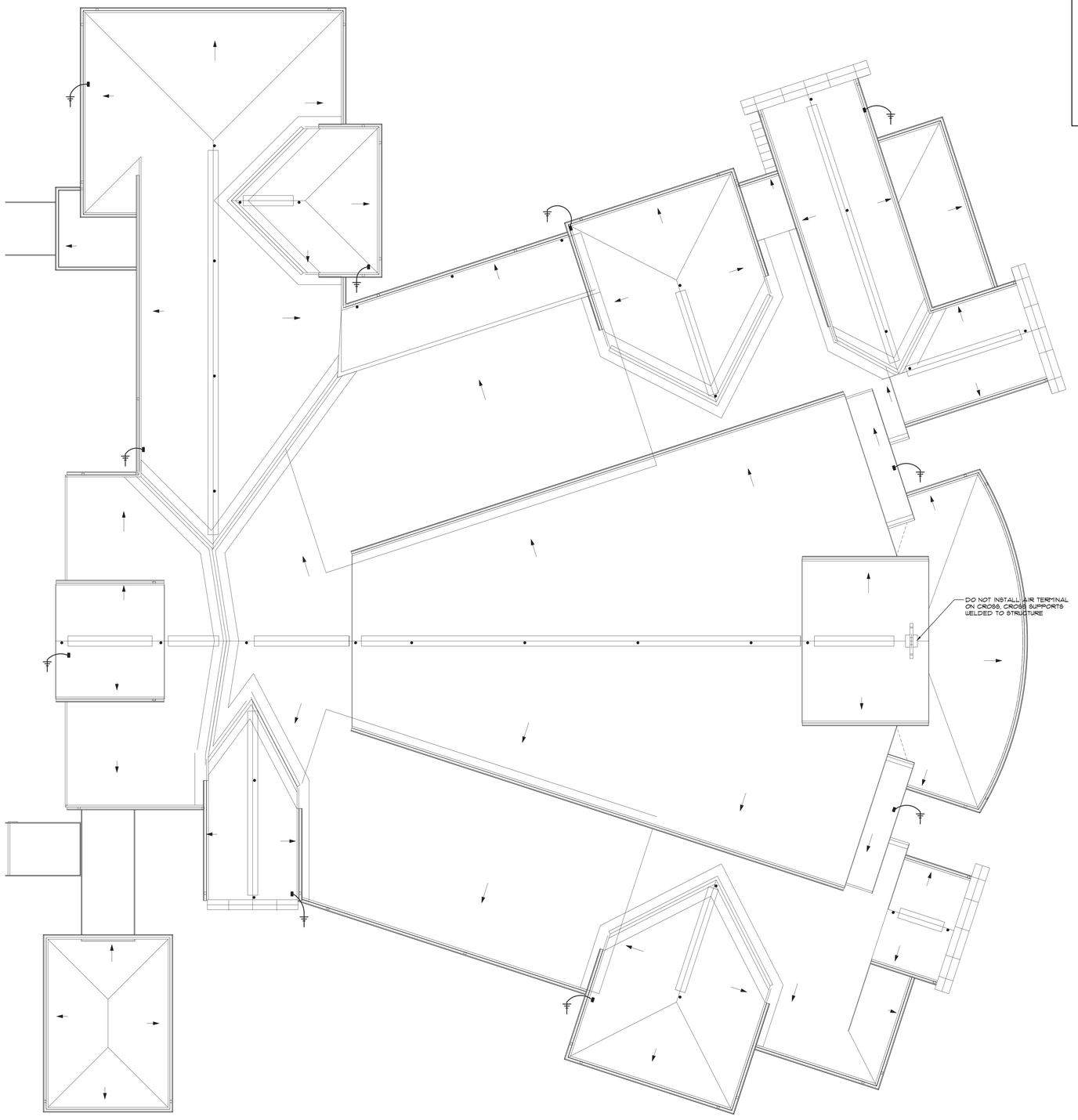
Auxiliary Plan

SHEET NUMBER E3.1



GROUND ROD

AIR TERMINAL

MAIN CONDUCTOR

BONDING TO BUILDING STEEL

1 Legend
E4.1 NOT TO SCALE

N
2 Lightning Protection Plan
E4.1 1/8" = 1'-0"

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Lightning Protection Plan

SHEET NUMBER E4.1