GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX

1401 MOELING STREET

LAKE CHARLES, LA.

DR. SAMUEL C. TOLBERT JR. - PASTOR
PHONE 337-433-0122
ssamtolbert@yahoo.com

ROY JOE HAM
PHONE 469-307-6393
royj.ham@gmail.com

1. ALL WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXTENT, NATURE, AND SCOPE OF WORK DESCRIBED IN THESE DOCUMENTS AND IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, DELIVERY, HANDLING, SERVICES, SUPERVISION AND QUALITY CONTROL REQUIRED TO EXECUTE ALL AS WORK AS DELINEATED IN THESE DRAWINGS UNLESS AS SPECIFICALLY NOTED AS OUTSIDE OF THE CONTRACT.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK WITH ALL TRADES INCLUDING THOSE OPERATING UNDER SEPARATE CONTRACTS WITH THE OWNER.
4. ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKERS IN ACCORDANCE WITH ESTABLISHED "BEST PRACTICES."
5. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND ANY DIFFICULTIES OR RESTRICTIONS AFFECTING THE EXECUTION OF THE CONTRACT PRIOR TO SUBMITTING A PROPOSAL.
6. ALL PRODUCTS, MATERIALS, AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIC INSTRUCTIONS AS WELL AS IN COMPLIANCE WITH ALL APPLICABLE CODES.
7. JOB SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL VERIFY LOCATIONS, LEVELS, DISTANCES, AND FEATURES THAT MAY AFFECT THE WORK. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE PLANS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE IN HIS BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLECT IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
9. CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY TEMPORARY SHORING, BRACING, AND BARRICADES NECESSARY TO INSURE SAFE EXECUTION OF CONSTRUCTION AND DEMOLITION.
10. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE TRASH CONTAINERS AND TIMELY TRASH REMOVAL FROM THE SITE CONSISTENT WITH THE STAGE OF CONSTRUCTION. WORK AREA SHALL BE KEPT CLEAN, SAFE, AND ORDERLY AT ALL TIMES.
12. ALL DIMENSIONS, ANGLES, ELEVATIONS, CONDITIONS, AND PHYSICAL CONFIGURATIONS RELATIVE TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK OR ORDERING MATERIAL. IF ANY DIFFERENCES ARE FOUND, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY.
13. DO NOT SCALE DRAWINGS! WRITTEN DIMENSIONS SHALL GOVERN. NOTIFY ARCHITECT FOR ANY DIMENSIONS NOT SHOWN.
14. THESE DRAWINGS ARE INTENDED TO DEFINE THE GENERAL DESIGN AND SCOPE OF THE WORK REQUIRED TO COMPLETE THE PROJECT. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE FOR COMPLETE FINISHED WORK AND OPERATING SYSTEMS. OMISSIONS FOUND IN THESE DRAWINGS DO NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITIES AS IMPLIED BY THE SCOPE OF WORK UNLESS SPECIFICALLY NOTED.
15. ALL WORK WILL BE SUBJECT TO REVIEW AND ACCEPTANCE BY THE OWNER UPON COMPLETION OF THE WORK.

GENERAL NOTES
SCALE: N.T.S.
RE:

BASE BID

BUILDING "A"

DWG #	DWG TITLE
G-100	PROJECT INFORMATION

CIVIL

C-0.0	SWPP PLAN, DETAILS & NOTES
C-0.1	DEMOLITION PLAN AND NOTES
C-1.0	CIVIL SITE LAYOUT PLAN AND NOTES
C-1.1	GRADING AND PAVEMENT JOINT PLAN
C-1.2	DRAINAGE PLAN AND NOTES
C-1.3	CIVIL DETAILS AND SECTIONS

STRUCTURAL

S-100	FOUNDATION PLAN
S-101	TYPICAL FOUNDATION DETAILS & SECTIONS
S-102	FOUNDATION SECTIONS AND DETAILS
CH-S-200	ROOF FRAMING PLAN
CH-A-100	MASTER SITE PLAN
CH-A-200	OVERALL FLOOR PLAN
CH-A-201	FLOOR PLAN - NW QUADRANT
CH-A-202	FLOOR PLAN - NE QUAD
CH-A-203	FLOOR PLAN - SE QUAD
CH-A-204	FLOOR PLAN - SW QUAD
CH-A-300	NORTHEAST ELEVATION
CH-A-301	SOUTHEAST ELEVATION
CH-A-302	SOUTHWEST ELEVATION
CH-A-303	NORTHWEST ELEVATION
CH-A-304	BLDG SECTIONS
CH-A-305	BLDG SECTIONS
CH-A-306	BLDG SECTION
CH-A-400	INTERIOR ELEVATIONS
CH-A-401	INTERIOR ELEVATIONS
CH-A-402	INTERIOR ELEVATIONS
CH-A-403	INTERIOR SECTIONS
CH-A-404	INTERIOR SECTIONS
CH-A-500	WALL SECTIONS
CH-A-501	WALL SECTIONS
CH-A-502	MISC DETAILS
CH-A-503	ENTRANCE WALL
CH-A-600	ENLARGED DETAILS - PLAN SECTIONS
CH-A-601	ENLARGED DETAILS - PLAN SECTIONS
CH-A-602	ENLARGED DETAILS - PLAN SECTIONS
CH-A-603	ENLARGED DETAILS - PLAN SECTIONS
CH-A-800	ROOM FINISH SCHEDULE
CH-A-801	DOOR SCHEDULE

PLUMBING

CH-P-100	PLUMBING PLAN SITE
CH-P-200	PLUMBING PLAN
CH-P-201	ENLARGED PLUMBING PLAN
CH-P-400	PLUMBING SCHEDULE
CH-P-401	PLUMBING DETAILS

TABLE OF CONTENTS
SCALE:
RE: N.T.S.

MECHANICAL

CH-M-100	HVAC PLAN
CH-M-300	HVAC SCHEDULES
CH-M-301	HVAC SCHEDULES
CH-M-400	HVAC DETAILS

ELECTRICAL

CC-E-001	ELECTRICAL SITE PLAN
CC-E-100	LIGHTING PLAN
CC-E-LC1	LIGHTING CONTROL PANEL
CC-E-200	POWER & SPECIAL SYSTEMS PL.
CC-E-300	SPECIAL SYSTEMS PL.
CC-E-400	HVAC POWER PL.
CC-E-500	ELECTRICAL SCHEDULES & DETAILS
CC-E-600	ELECTRICAL SCHEDULES & DETAILS
CC-E-700	ELECTRICAL DETAILS
CC-E-800	ELECTRICAL PANEL SCHEDULE
CC-E-900	ELECTRICAL RISER DIAGRAM

FIRE PROTECTION

CH-FP-100	FIRE PROTECTION PLAN-SITE
CH-FP-200	FIRE PROTECTION PLAN
CH-FP-201	FIRE PROTECTION
CH-FP-300	FIRE PROTECTION DETAILS

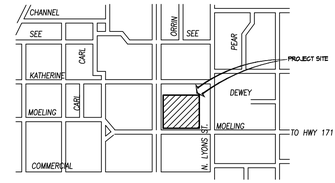
ALTERNATE #1

BLDG "B"-MINISTRY CENTER

DWG#	DWG. TITLE
MC-D-100	FIRST FLOOR DEMO
MC-D-101	DEMO 2ND FLOOR
MC-A-200	FIRST FLOOR PLAN
MC-A-201	SECOND FLOOR PLAN
MC-A-202	ENLARGED PLANS
MC-A-300	NORTH & WEST ELEVATIONS
MC-A-301	SOUTH & EAST ELEVATION
MC-A-302	BUILDING SECTION
MC-A-400	INTERIOR ELEVATIONS
MC-S-100	CONCRETE OVERLAY
MC-A-801	ROOM FINISH-WINDOW SCHEDULE
MC-A-800	SCHEDULES

PLUMBING

MC-P-300	PLUMBING PLAN
MC-P-301	ENLARGED PLUMBING PLAN
MC-P-400	PLUMBING SCHEDULES
MC-P-401	PLUMBING DETAILS



3 VICINITY MAP
SCALE: N.T.S.
RE:

MECHANICAL

MC-M-200	HVAC PLAN
MC-M-300	HVAC SCHEDULE
MC-M-301	HVAC SCHEDULE
MC-M-400	HVAC DETAILS
MC-M-500	KITCHEN HOOD
MC-M-600	KITCHEN HOOD
MC-M-700	KITCHEN HOOD

ELECTRICAL

MC-E-101	LIGHTING PLAN MULTI-PURPOSE
MC-E-LC1	LIGHTING CONTROL PLAN
MC-E-201	POWER & DATA MULTI-PURPOSE
MC-E-301	SPECIAL SYSTEMS
MC-E-401	HVAC POWER PLAN
MC-E-501	ELECTRICAL SCHEDULES & DETAILS
MC-E-601	ELECTRICAL SCHEDULES & DETAILS
MC-E-701	ELECTRICAL DETAILS
MC-E-801	ELECTRICAL PANEL SCHEDULE
MC-E-901	ELECTRICAL RISER DIAGRAM

FIRE PROTECTION

MC-FP-201	FIRE PROTECTION

EAST CAMPUS

D-100	DEMOLITION PLAN

ALTERNATE #2

BUILDING "C"

Sheet Number	Sheet Title
GS-A-300	EXTERIOR ELEVATIONS

BUILDING "D"

Sheet Number	Sheet Title
MC-A-300	EXTERIOR ELEVATIONS

APPLICABLE CODES:
2021 INTERNATIONAL BUILDING CODE
2021 NFPA 101 LIFE SAFETY CODE
AMERICANS W/ DISABILITIES ACT (ADA)
2021 INTERNATIONAL PLUMBING CODE

OCCUPANCY TYPE:
OCCUPANCY - A-3
USE - ASSEMBLY

BUILDING "A" SQ. FT. 16,606 +/-
BUILDING "B" SQ. FT. 10,721 +/-
BUILDING "C" SQ. FT. 6,000 +/-
BUILDING "D" SQ. FT. 5,000 +/-

CONSTRUCTION:
II-B

WIND LOAD FACTORS:

WIND ZONE:	128 MPH
IMPORTANCE FACTOR:	2
EXPOSURE RATING:	B
STRUCTURAL DESIGN DATA:	
FLOOR LIVE LOAD:	100 PSF
ROOF LIVE LOAD:	20 PSF
WIND DESIGN LOAD:	130 MPH
RISK CATEGORY:	2
WIND EXPOSURE:	CAT B
SNOW LOAD:	9 PSF

DESIGN CRITERIA (CALCASIEU PARISH)
SCALE: N.T.S.
RE:

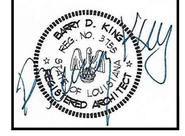
KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-3806
www.kingarchitects.net

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JOB NO:	2316
DATE:	MAR, 2025
DRWN. BY:	BDC
CHKD. BY:	BDK

REVISIONS

A	FOR BIDS

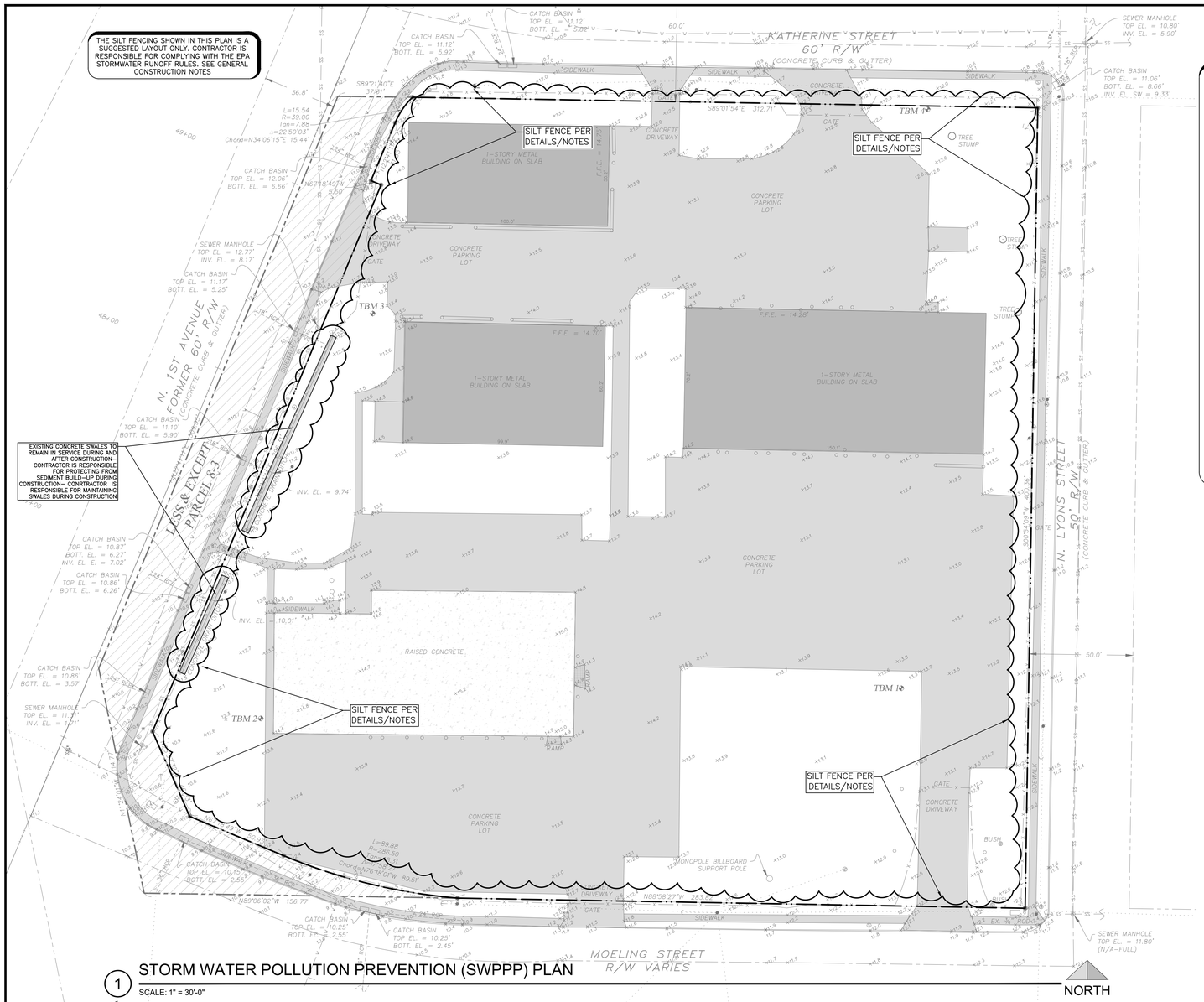


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PROJECT INFORMATION

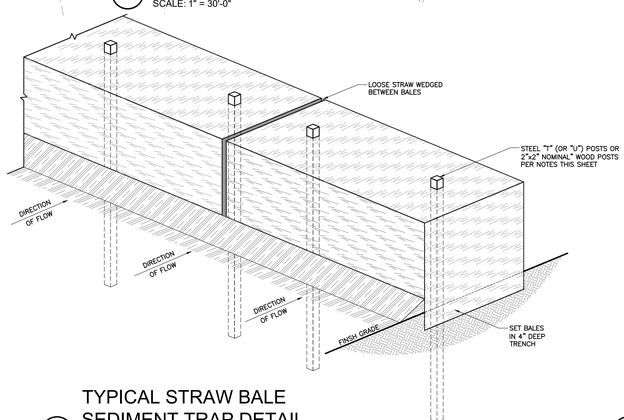
G-100

KAI # 2316 / PRINT DATE 8/25/25



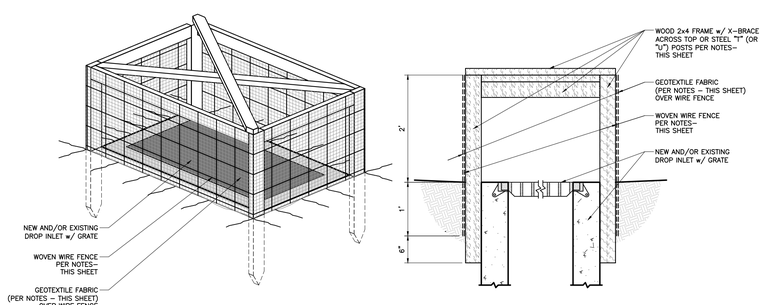
1 STORM WATER POLLUTION PREVENTION (SWPPP) PLAN

SCALE: 1" = 30'-0"



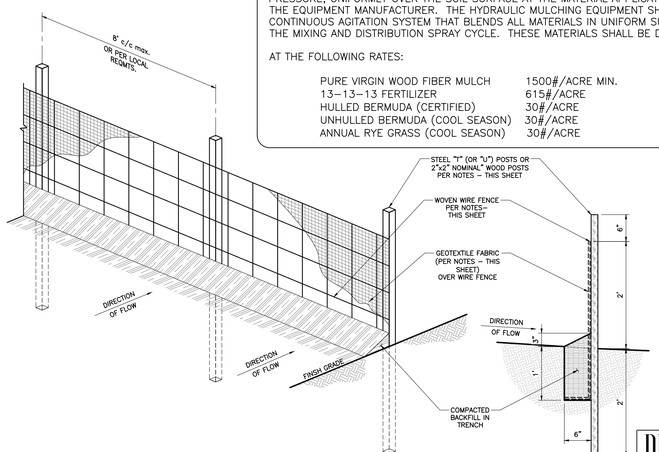
2 TYPICAL STRAW BALE SEDIMENT TRAP DETAIL

SCALE: NOT TO SCALE



3 TYPICAL INLET PROTECTION DETAILS AT UNPAVED AREAS

SCALE: NOT TO SCALE



4 TYPICAL SILT FENCE DETAILS

SCALE: NOT TO SCALE

LEGEND

- EXISTING CONCRETE
- 5" THICK CONCRETE
- 4" THICK CONCRETE
- LIMITS OF DEMOLITION (ALSO REFER TO NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- PROPERTY LINE
- PROJECT LIMITS AND SILT FENCE
- XX.XX EXISTING ELEVATIONS
- XX.XX BOTTOM OF CURB FINISHED ELEVATIONS
- XX.XX TOP OF CURB FINISHED ELEVATIONS
- NEW CATCH BASIN
- NEW WINGED HEADWALL
- CLEANOUT (DOUBLE OR SINGLE) FOR PIPING CONNECTING DOWNSPOUTS TO STORM WATER SYSTEM. CLEANOUTS TO BE PROVIDED AT 25'-0" c/c max.

LA One Call
CALL LOUISIANA ONE CALL – 1–800–272–3020
LOUISIANASTATE LAW, SECTION R.S.40:1749.15, REQUIRES EXCAVATORS AND DEMOLISHERS TO NOTIFY A REGIONAL NOTIFICATION CENTER BY TELEPHONE 96 HOURS TO 120 HOURS IN ADVANCE OF ANY EXCAVATION OR DEMOLITION ACTIVITY. THE OWNERS/OPERATORS OF ANY UNDERGROUND FACILITY MUST THEN MARK THE AREA OR PROVIDE INFORMATION THAT WILL ENABLE AN EXCAVATOR OR DEMOLISHER TO DETERMINE THE LOCATION OF UNDERGROUND FACILITIES.

EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH EPA STORMWATER RUNOFF RULES USING "BEST MANAGEMENT PRACTICES" AND/OR TEMPORARY EROSION CONTROL MEASURES DURING CONSTRUCTION.
2. TYPICAL EROSION CONTROLS CAN BE, BUT ARE NOT LIMITED TO, MULCHING, GRASS, STOCKPILE COVERS, ETC. TYPICAL SEDIMENT CONTROLS (SEE DETAIL 2,3, & 4/C0.0) CAN BE, BUT ARE NOT LIMITED TO, SILT FENCING, INLET PROTECTION, SEDIMENT TRAPS, ETC.
3. CONTRACTOR SHALL INSPECT AND REPAIR EROSION AND SEDIMENT CONTROLS IMMEDIATELY AFTER MAJOR RAIN EVENTS.
4. AFTER INSTALLATION OF EACH NEW CATCH BASIN CONTRACTOR SHALL ADEQUATELY SUPPLY AND INSTALL HAY BALES AND/OR FILTER FABRIC OVER EACH DRAIN INLETS. CONTRACTOR SHALL REMOVE ALL HAY BALES, SILT FENCING, ETC.
5. CONTRACTOR SHALL MAINTAIN SILT FENCING SURROUNDING STOCK PILES THROUGHOUT DURATION OF WORK.
6. CONTRACTOR SHALL SEED OR HYDROSEED GRASS AREAS IMMEDIATELY AFTER FINISH GRADING WORK.
7. THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE.
8. WOODEN SUPPORT POSTS SHALL BE A MINIMUM DIMENSION OF 2" X 2" (NOMINAL) SOFT WOOD OR 1–1/8" x 1–1/8" AIR OR KILN DRIED POSTS OF HICKORY OR OAK. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAL FOOT. POST SPACING SHALL BE A MAXIMUM OF 8 FEET.
9. THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UPSLOPE SIDE OF WOODEN POSTS WITH WIRE STAPLES IN AT LEAST 3 PLACES, OR WITH WOODEN LATH AND NAILS. ATTACHMENT TO STEEL POSTS WILL BE BY WIRE FASTENERS OR PLASTIC TIE STRAPS.
10. A WIRE SUPPORT FENCE MAY BE INSTALLED TO WHICH THE GEOTEXTILE FABRIC IS ATTACHED. THE WIRE SHALL BE A MINIMUM OF 14–1/2 GAGE WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6 INCHES. POST SPACING SHALL BE A MAXIMUM OF 10 FEET. THE GEOTEXTILE FABRIC SHALL BE FOLDED 3 INCHES OVER THE WIRE FENCE AND SECURED WITH STAPLES OR WIRE RINGS SPACED AT 12 INCHES.
11. THE GEOTEXTILE FABRIC SHALL CONSIST OF EITHER WOVEN OR NON–WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE, OR POLYVINYLIDENE CHLORIDE. NON–WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF. ALL FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:

TEST REQUIREMENT	METHOD	VALUE *
MINIMUM GRAB TENSILE STRENGTH IN THE MACHINE DIRECTION	ASTM D 4632	120 LBS.
MINIMUM GRAB TENSILE STRENGTH IN THE CROSS MACHINE DIRECTION	ASTM D 4632	120 LBS.
MAXIMUM APPARENT OPENING SIZE EQUIVALENT STANDARD SIEVE	ASTM D 4751	NO. 30
MINIMUM PERMITTIVITY	ASTM D 4491	0.05 SEC
MINIMUM ULTRAVIOLET STABILITY RETAINED	ASTM D 4355	70% PERCENTAGE OF STRENGTH AFTER 500 HOURS OF EXPOSURE

*ALL NUMERICAL VALUES REPRESENT MINIMUM/MAXIMUM AVERAGE ROLL VALUES. (FOR EXAMPLE, THE AVERAGE OF MINIMUM TEST RESULTS ON ANY ROLL IN A LOT SHOULD MEET OR EXCEED THE MINIMUM SPECIFIED VALUES.)

12. TURN THE ENDS OF THE STRAW BALE SEDIMENT TRAP UPSLOPE 1 TO 2 FEET IN ELEVATION TO PREVENT FLANKING.
13. THE STRAW BALES SHALL BE BUTTED TOGETHER AS TIGHTLY AS POSSIBLE.
14. THE FIRST ANCHOR STAKE SHALL BE DRIVEN TOWARD THE PREVIOUSLY ANCHORED BALE TO HELP CREATE A TIGHT FIT.

HYDRAULIC MULCHING "HYDROSEEDING"

ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE HYDROSEEDED AS FOLLOWS:

HYDRAULIC MULCHING SHALL CONSIST OF THE MIXING OF PURE WOOD FIBER MULCH, GRASS SEED, FERTILIZER AND TACKTIFIER EMULSION WITH WATER. IT SHALL BE MIXED IN STANDARD HYDRAULIC MULCHING EQUIPMENT TO FORM A HOMOGENEOUS SLURRY. THE SLURRY SHALL BE SPRAYED, UNDER PRESSURE, UNIFORMLY OVER THE SOIL SURFACE AT THE MATERIAL APPLICATION RATE RECOMMENDED BY THE EQUIPMENT MANUFACTURER. THE HYDRAULIC MULCHING EQUIPMENT SHALL CONTAIN A MOTORIZED CONTINUOUS AGITATION SYSTEM THAT BLENDS ALL MATERIALS IN UNIFORM SUSPENSION THROUGHOUT THE MIXING AND DISTRIBUTION SPRAY CYCLE. THESE MATERIALS SHALL BE DISTRIBUTED

AT THE FOLLOWING RATES:

PURE VIRGIN WOOD FIBER MULCH	1500#/ACRE MIN.
13–13–13 FERTILIZER	615#/ACRE
HULLED BERMUDA (CERTIFIED)	30#/ACRE
UNHULLED BERMUDA (COOL SEASON)	30#/ACRE
ANNUAL RYE GRASS (COOL SEASON)	30#/ACRE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: 02/24/2025
DRWN. BY: BCL
CHKD. BY: JSD

REVISIONS

JASON DUHON License No. 38151 PROFESSIONAL ENGINEER
02/25/2025

GREATER ST MARY MISSIONARY BAPTIST
1401 MOELING STREET
LAKE CHARLES, LA 70601
CHURCH BUILDING

SWPP PLAN, DETAILS, & NOTES

DUHON + PLEASANT
CIVIL & STRUCTURAL ENGINEERS
337 564 5918 5393 BIG LAKE ROAD
WWW.DANDPENGINEERS.COM LAKE CHARLES LA 70605

C0.0
KAI # 2316 2/24/25



1 DEMOLITION PLAN
SCALE: 1" = 30'-0"

NORTH

CALL LOUISIANA ONE CALL – 1–800–272–3020
LOUISIANASTATE LAW, SECTION R.S.40:1749.15, REQUIRES EXCAVATORS AND DEMOLISHERS TO NOTIFY A REGIONAL NOTIFICATION CENTER BY TELEPHONE 96 HOURS TO 120 HOURS IN ADVANCE OF ANY EXCAVATION OR DEMOLITION ACTIVITY. THE OWNERS/OPERATORS OF ANY UNDERGROUND FACILITY MUST THEN MARK THE AREA OR PROVIDE INFORMATION THAT WILL ENABLE AN EXCAVATOR OR DEMOLISHER TO DETERMINE THE LOCATION OF UNDERGROUND FACILITIES.

DEMOLITION NOTES

1. DEMOLITION SCOPE INCLUDES THE COMPLETE DEMOLITION, REMOVAL AND LAWFUL OFF–SITE DISPOSAL ("DEMOLITION") OF +\–90,000 SQUARE FEET OF EXISTING CONCRETE FOUNDATIONS, PAVING, AND SIDEWALKS. COORDINATE ADDITIONAL DEMOLITION SCOPE WITH THE ENTIRE SET OF CONSTRUCTION DOCUMENTS.
2. COMPLETE DEMOLITION OF ALL EXISTING FOUNDATIONS, CONCRETE FLOOR SLABS, ASSOCIATED CONCRETE PAVING, ETC. NOTED IN CONSTRUCTION DOCUMENTS TO RESULT IN COMPLETE EXPOSURE OF THE NATURAL GROUND. EXCAVATE TO A MINIMUM DEPTH OF THE LOWEST SHALLOW FOUNDATION MEMBER BELOW ALL STRUCTURES TO BE DEMOLISHED. WHERE SLOPING EXCAVATIONS ARE REQUIRED, CONTRACTOR TO "STAIR STEP" EXCAVATIONS TO A MAXIMUM DEPTH AS ALLOWED BY "OSHA" WITH A MAXIMUM DEPTH OF 3'.
3. DEEP FOUNDATION ELEMENTS (I.E. – DRILLED SHAFTS) ARE TO BE DEMO'D TO A ELEVATION OF 12.00' (MSL) AND ABANDONED IN PLACE. AN "AS–BUILT" SURVEY DOCUMENTING LOCATIONS, DIAMETERS, AND ELEVATIONS OF ABANDONED FOUNDATION ELEMENTS SHALL BE PERFORMED BY A LICENSED SURVEYOR AT THE EXPENSE AND UNDER THE DIRECTION OF THE CONTRACTOR AND PROVIDED TO THE ARCHITECT UNDER PROCEDURES IN SECTION 013300 "SUBMITTAL PROCEDURES" PRIOR TO INSTALLATION OF ANY NEW FILL MATERIAL.
4. COMPLETE DEMOLITION OF TREE STUMPS AS NOTED ON PLAN. THIS INCLUDES EXCAVATION OF THE ROOT BALL AND BACKFILLING WITH STRUCTURAL FILL ACCORDING TO SITE PREPARATION AND STRUCTURAL FILL NOTES AND SPECIFICATIONS
5. ALL EXISTING IMPROVEMENTS AND PROPERTY THAT ARE TO REMAIN ARE TO BE PROTECTED FROM DAMAGE AND POSITIVE DRAINAGE MUST BE PROVIDED. ANY DAMAGE SHALL BE REPAIRED BY, AND AT THE COST OF, THE CONTRACTOR, WITH NO MODIFICATION OF THE CONSTRUCTION CONTRACT.
6. ALL EXISTING UTILITIES TO THE BUILDING SHALL BE DEMOLISHED AND ABANDONED / SURRENDERED IN A MANNER SATISFACTORY TO THE UTILITY PROVIDER, TO INCLUDE CAPPING / GROUTING / MARKING AT APPROPRIATE LOCATIONS, REMOVAL OF EXISTING SERVICES LINES AS REQUIRED, COORDINATION OF EFFORTS AND ACTIVITIES WITH UTILITY PROVIDERS, ETC. CONTRACTOR TO PERFORM AN "AS–BUILT SURVEY" LOCATING ABANDONED UTILITIES AND PROVIDE TO OWNER AND ARCHITECT. REFER TO CONSTRUCTION DRAWINGS AND SPECIFICATIONS (INCLUDING M/E/P CD's) FOR ADDITIONAL REQUIREMENTS

LEGEND

- EXISTING CONCRETE
- 5" THICK CONCRETE
- 4" THICK CONCRETE
- LIMITS OF DEMOLITION (ALSO REFER TO NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
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JOB NO: 2316
DATE: 02/24/2025
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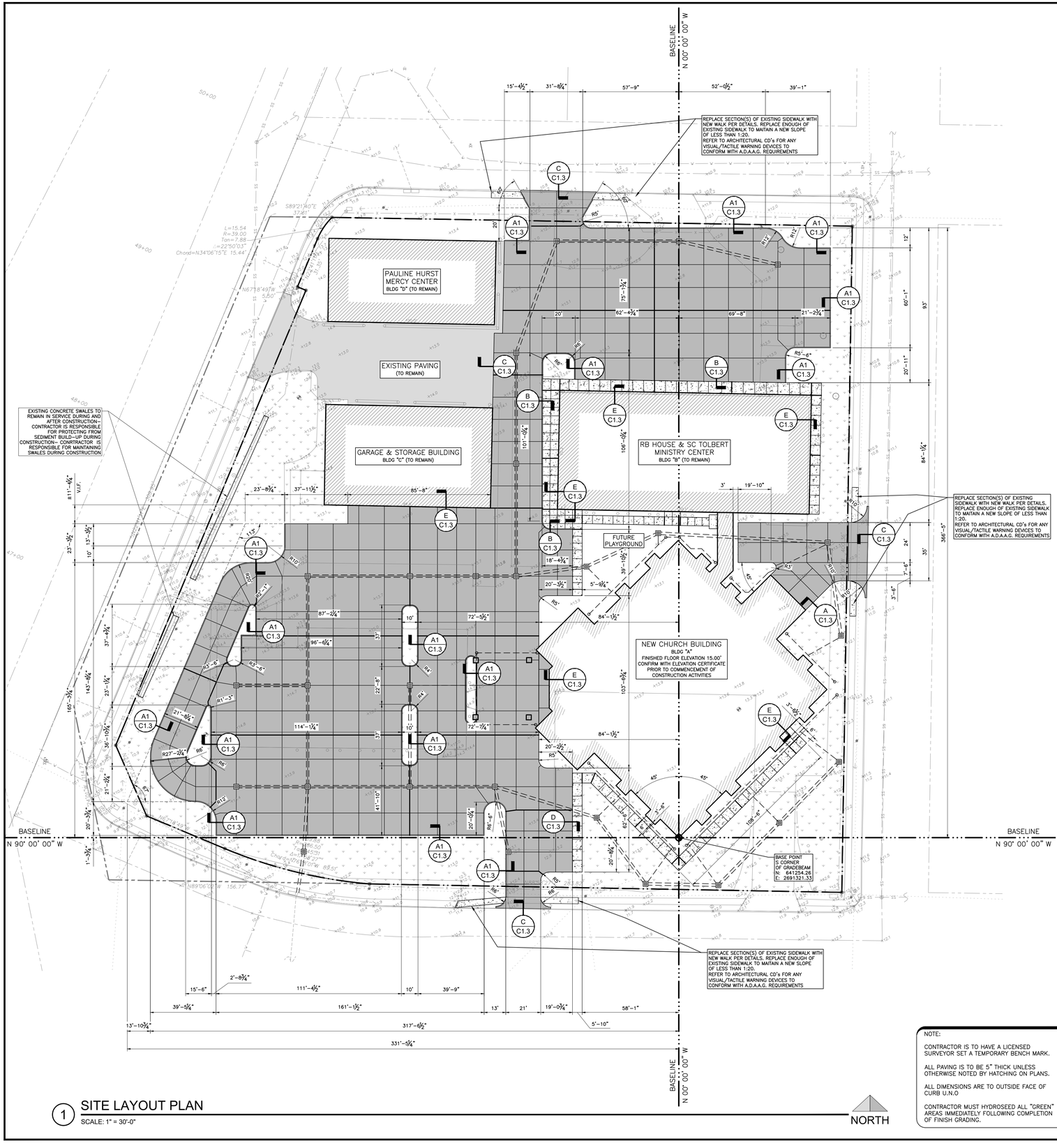
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02/25/2025

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DEMOLITION PLAN AND NOTES

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C0.1
KAI # 2316 2/24/25



1 SITE LAYOUT PLAN
SCALE: 1" = 30'-0"

GENERAL CIVIL NOTES

1. WHERE PHYSICAL JOB SITE MEASUREMENTS ARE REQUIRED BEFORE FABRICATION, IT IS THE SOLE DUTY OF THE CONTRACTOR TO DETERMINE ACTUAL CONSTRUCTION DETAILS PRIOR TO FABRICATION.
2. ANY DISCREPANCIES OR CONFLICTS IN THE CONSTRUCTION DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS.
3. ANY MODIFICATIONS MADE IN THE CONSTRUCTION DOCUMENTS TO ACCOMPLISH THE REQUIRED WORK SHALL BE REPORTED TO THE ARCHITECT BEFORE WORK IS DONE.
4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING LA AUTHORITIES TO IDENTIFY ALL UTILITIES PRIOR TO BEGINNING ANY WORK AT THE SITE. (LA ONE CALL 811). CAP OFF AND SEAL DISCONTINUED UTILITY SERVICES AND REMOVE PORTIONS OF LINES WITHIN EXCAVATED AREAS.
5. CONTRACTOR TO LOCATE ALL UTILITIES AND VERIFY NO CONFLICTS EXIST WITH ANY PROPOSED STORMWATER AND/OR UTILITY ROUTING PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. IF ANY CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL EMPLOY A LA. LICENSED SURVEYOR TO PROVIDE THE CONSTRUCTION LAYOUT BOUNDARIES AND/OR BASE LINES. SURVEYOR TO SET PROJECT T.B.M. FOR USE DURING CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE OWNER WITH AS–BUILT DRAWINGS OF THE SITE AND UTILITIES INSTALLED AND UNCOVERED AT THE END OF THE PROJECT.
8. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, EQUIPMENT, UTILITIES, PAVING, ETC THAT ARE TO REMAIN FROM DAMAGE DURING CONSTRUCTION OPERATIONS. REPAIR / REPLACE DAMAGED ITEMS WITH NEW AT NO ADDITIONAL COST TO OWNER.
9. CONTRACTOR SHALL DISPOSE OF ALL EXCESS CONSTRUCTION MATERIALS, DEBRIS, AND/OR SOIL FROM JOB SITE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

LEGEND

- EXISTING CONCRETE
- 5" THICK CONCRETE
- 4" THICK CONCRETE
- LIMITS OF DEMOLITION (ALSO REFER TO NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- PROPERTY LINE
- PROJECT LIMITS AND SILT FENCE
- XX.XX EXISTING ELEVATIONS
- XX.XX BOTTOM OF CURB FINISHED ELEVATIONS
- XX.XX TOP OF CURB FINISHED ELEVATIONS
- NEW CATCH BASIN
- NEW WINGED HEADWALL
- CLEANOUT (DOUBLE OR SINGLE) FOR PIPING CONNECTING DOWNSPOUTS TO STORM WATER SYSTEM. CLEANOUTS TO BE PROVIDED AT 25'-0" c/c max.

MATERIAL SPECIFICATIONS

CRUSHED STONE AGGREGATE:

CRUSHED LIMESTONE SHALL MEET THE LADOTD SPECIFICATION FOR 610 ROAD BASE MATERIAL. INSTALL CRUSHED LIMESTONE OVER GEOTEXTILE MATERIAL. LIMESTONE AGGREGATE SHALL BE ROLLED SMOOTH TO FORM A TIGHT SURFACE WITH A LOADED DRUM ROLLER. CONTRACTOR SHALL USE A VIBRATORY PLATE WHEN LOCATION RESTRICTS THE USE OF THE DRUM ROLLER.

STORM DRAINAGE PIPE:

UNDERGROUND STORM DRAINAGE PIPES ARE SHOWN ON PLAN WITH THE LENGTHS OF PIPE MEASURED TO THE CENTER OF THE CATCH BASINS PLUS OR MINUS ONE FOOT. THE CONTRACTOR SHALL PERFORM A PIPING LAYOUT TO VERIFY LOCATIONS OF CATCH BASINS AND LENGTHS OF PIPE.

UNDERGROUND STORM DRAINAGE PIPES SHALL BE PVC SDR (26) ASTM D3034 PIPE AS INDICATED. PIPES SHALL BE LAYED ON A MINIMUM 3 INCH SAND BED AND BACKFILLED WITH CRUSHED LIMESTONE TO AN ELEVATION LEVEL WITH THE TOP OF PIPE AND THEN BACKFILLED WITH STRUCTURAL FILL TO AN ELEVATION TO MATCH ADJACENT GRADE. CONTRACTOR SHALL ANCHOR PIPE AS RECOMMENDED BY PIPE MANUFACTURER TO PREVENT PIPE FLOATATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL FITTINGS REQUIRED FOR PIPING, INLETS, ETC. TO COMPLETE PIPING SYSTEM.

GEOTEXTILE MATERIAL:

GEOTEXTILE MATERIAL SHALL BE MIRAFI 600X OR ITS EQUIVALENT. ALL EQUIVALENT MATERIALS ARE TO BE SUBMITTED PRIOR TO BIDDING "FOR APPROVAL". GEOTEXTILE SHALL BE PINNED TO SUBGRADE AS INSTRUCTED BY MATERIAL MANUFACTURER. MATERIAL SHALL BE OVERLAPPED A MINIMUM OF 18 INCHES AT JOINTS. ALL NON OVERLAPPING JOINTS SHALL BE BURIED A MINIMUM OF 8 INCHES BELOW THE SUBGRADE SURFACE.

SUBGRADE PREPARATION AND STRUCTURAL FILL NOTES (CIVIL ONLY)

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LA ONE CALL TO IDENTIFY ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
2. CONTRACTOR TO LOCATE ALL UTILITIES AND VERIFY NO CONFLICTS EXIST WITH ANY PROPOSED FOUNDATIONS AND/OR UTILITY ROUTING PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. IF ANY CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. FOR AREAS IMMEDIATELY UNDER PAVING AND FIVE (5) FEET OUTSIDE OF PAVING LIMITS, CONTRACTOR SHALL REMOVE ALL VEGETATION, TOPSOIL, ORGANIC MATTER AND EXISTING IMPROVEMENTS, INCLUDING FOUNDATIONS, GRAVEL, ASPHALT, AND CONCRETE PAVING, TO AN ELEVATION OF 2'–0" BELOW EXISTING GRADE. REMOVE ANY EXISTING FOUNDATIONS AND TREES, INCLUDING THE ROOT BALLS, IN THEIR ENTIRETY AND BACKFILL WITH STRUCTURAL FILL PER DIRECTIONS BELOW. THE CUT DEPTH SHALL BE A MINIMUM; ADDITIONAL CUT SHALL BE ALLOWED AS REQUIRED FOR DRAINAGE OF THE EXCAVATION. DEPTH OF EXCAVATION SHALL BE POSITIVELY IDENTIFIED AND DOCUMENTED BY TESTING AGENCY AND PROVIDED TO ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO INSTALLATION OF STRUCTURAL FILL MATERIAL.
4. ANY SOILS REMOVED WITHOUT THE PROPER AUTHORIZATION FROM THE ARCHITECT/ENGINEER WILL BE FILLED WITH STRUCTURAL FILL AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
5. DISPOSE OF ALL EXISTING SOILS/VEGETATION PER OWNER'S DIRECTIVE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.
6. AFTER ALL MATERIALS HAVE BEEN REMOVED TO THE PROPER SUBGRADE ELEVATION, THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. ANY SUBGRADE FAILURES, "SOFT SPOTS", SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL. ENGINEER TO BE ADVISED A MINIMUM OF 24 HOURS PRIOR TO PERFORMANCE OF PROOFROLL AND PROOFROLL TO BE OBSERVED BY TESTING AGENCY.

   NO "EXTRAS" WILL BE AWARDED FOR EFFORTS NECESSARY TO REPAIR AREAS THAT FAIL PROOF ROLL AS A RESULT OF DEGRADATION BY EXPOSURE TO RAIN AND EXCESSIVE CONSTRUCTION TRAFFIC. THIS DETERMINATION WILL BE MADE SOLELY BY THE ARCHITECT.
7. ALL STRUCTURAL FILL MATERIAL SHALL BE INSTALLED IN 6" THICK LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY AT +/–2% OF THE OPTIMUM MOISTURE CONTENT (ASTM D 698). STRUCTURAL FILL MATERIAL SHALL BE A LIME–TREATED (6% BY VOLUME) SILTY OR SANDY CLAY WITH A LIQUID LIMIT BETWEEN 30–42 AND A PLASTICITY INDEX (P.I.) BETWEEN 12 AND 22. PROPERTIES OF FILL MATERIAL ARE TO BE VERIFIED BY A TESTING AGENCY PRIOR TO INSTALLATION. PROPOSED LIME MATERIAL AND APPLICATION RATE TO BE SUBMITTED FOR REVIEW BY ENGINEER PRIOR TO MIXING. LIME TO BE PIT MIXED – NO SITE MIXING PERMITTED.
8. COMPACTION OF EACH LIFT SHALL BE VERIFIED BY LAB TEST PRIOR TO INSTALLING NEXT LIFT. A MINIMUM TESTING FREQUENCY OF ONE (1) TEST PER 2,500 SQUARE FEET, BUT NO LESS THAN 3 TESTS, PER LIFT SHALL BE PERFORMED.OWNER SHALL EMPLOY A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO VERIFY PROPERTIES OF THE STRUCTURAL FILL MATERIALS AS WELL AS IN SITU COMPACTION OF FILL MATERIALS.

   REFER TO SPECIFICATION SECTION 31200 "EARTH MOVING" FOR ADDITIONAL MATERIAL AND TESTING REQUIREMENTS

   CONTRACTOR SHALL PROVIDE A UNIT PRICE (CUBIC YARD) FOR EXCAVATION OF EXISTING MATERIAL AND INSTALLATION AND COMPACTION OF STRUCTURAL FILL MATERIAL. THIS UNIT PRICE WILL INCLUDE BOTH EXCAVATION AND INSTALLATION OF THE MATERIAL.
9. CONTRACTOR IS TO MAINTAIN DRAINAGE PATHS TO SHED RUNOFF AWAY FROM ALL STRUCTURAL FILL AREAS UNTIL THEY ARE COMPLETED.
10. CONTRACTOR SHALL KEEP THE EXCAVATED AREAS, AND SURFACES OF IMPORTED FILL, FREE FROM STANDING WATER AT ALL TIME. SHOULD THIS EFFORT INCLUDE ADDITIONAL EXCAVATION, GRADING, PUMPING OF WATER, ETC., THIS WILL NOT BE CONSIDERED AN "EXTRA" AND NO CONTRACT MODIFICATIONS WILL BE AWARED.

SUBGRADE PREPARATION AND STRUCTURAL FILL NOTES BASED ON RECOMMENDATIONS CONTAINED IN GEOTECHNICAL REPORT (NO. EU245067 (REV. 1), DATED 26 NOVEMBER 2024) AS PREPARED BY TERRACON, SULPHUR, LOUISIANA AS DIRECTED FOR USE BY THE ARCHITECT.

NOTE:

CONTRACTOR IS TO HAVE A LICENSED SURVEYOR SET A TEMPORARY BENCH MARK.

ALL PAVING IS TO BE 5" THICK UNLESS OTHERWISE NOTED BY HATCHING ON PLANS.

ALL DIMENSIONS ARE TO OUTSIDE FACE OF CURB U.N.O

CONTRACTOR MUST HYDROSEED ALL "GREEN" AREAS IMMEDIATELY FOLLOWING COMPLETION OF FINISH GRADING.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
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337-494-0806
www.kingarchitects.net

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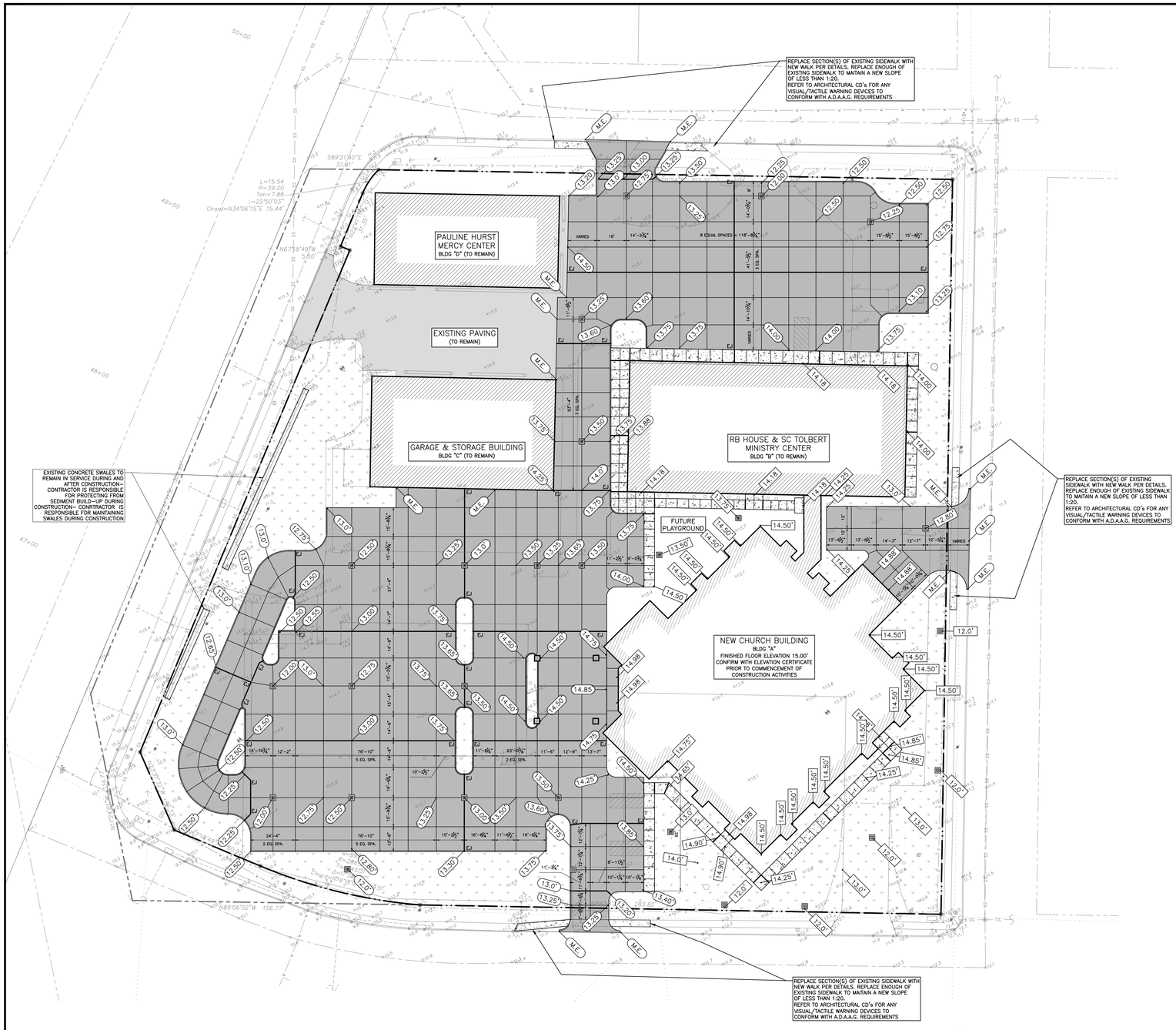
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CIVIL SITE LAYOUT PLAN AND NOTES

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1 GRADING AND PAVEMENTJOINT PLAN

SCALE: 1" = 30'-0"

NORTH

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NOTE:

CONTRACTOR IS TO SLOPE ALL AREAS EVENLY TO DRAIN FROM T/CURB TO ADJACENT DRAINAGE STRUCTURES.

NOTE:

ALL JOINTS NOT MARKED AS EJ (EXPANSION JOINT) ARE CONTROL JOINTS AND SHOULD BE DETAILED AS SUCH

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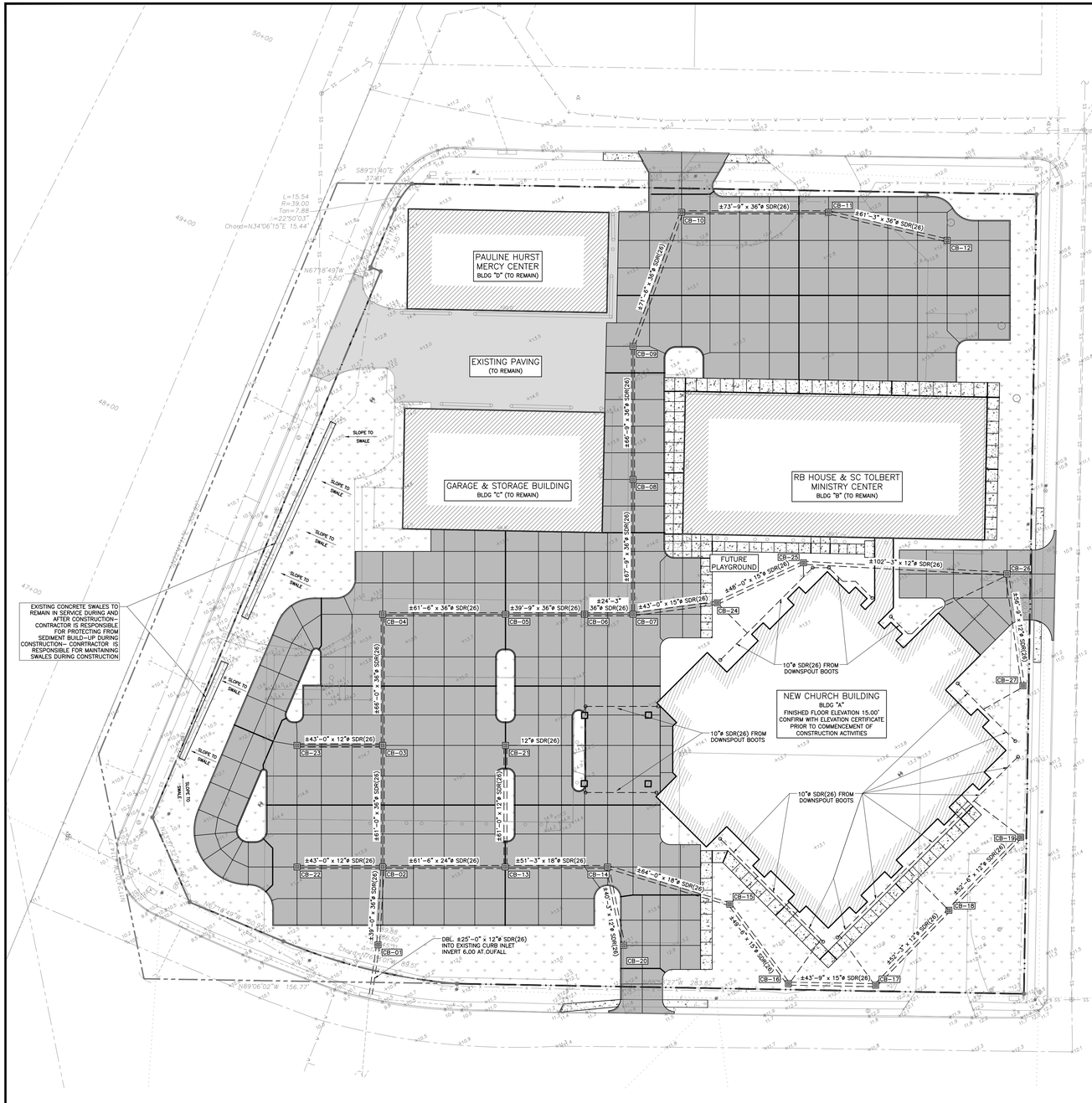
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CHURCH BUILDING

GRADING AND PAVEMENT JOINT PLAN

C1.1

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1 DRAINAGE PLAN

SCALE: 1" = 30'-0"

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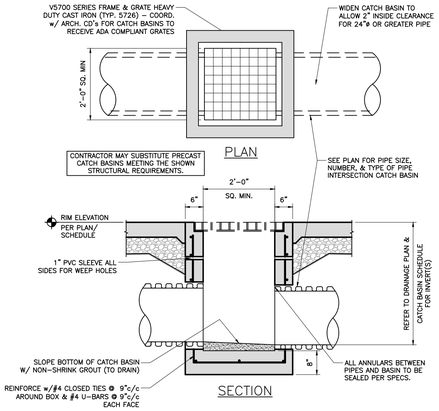
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DRAINAGE STRUCTURE SCHEDULE

STRUCTURE I.D.	NORTHING	EASTING	RIM ELEV. (FT.)	BASIN INVERT ELEV. (FT.)	NOTE(S)
CB-01	641245.90	2691096.00	11.00	6.50	CATCH BASIN
CB-02	614284.89	2691098.29	12.50	6.60	CATCH BASIN
CB-03	641345.74	2691098.29	12.75	6.75	CATCH BASIN
CB-04	641411.41	2691098.29	12.50	7.00	CATCH BASIN
CB-05	641411.41	2691159.75	13.00	7.20	CATCH BASIN
CB-06	641411.41	2691199.35	13.25	7.30	CATCH BASIN
CB-07	641411.41	2691223.60	13.50	7.40	CATCH BASIN
CB-08	641478.92	2691123.60	13.50	7.60	CATCH BASIN
CB-09	641545.54	2691123.60	13.25	7.80	CATCH BASIN
CB-10	641612.67	2691247.90	12.75	8.00	CATCH BASIN
CB-11	641612.67	2691321.48	12.00	8.15	CATCH BASIN
CB-12	641598.60	2691380.85	12.25	8.25	CATCH BASIN
CB-13	641284.89	2691159.59	13.00	7.15	CATCH BASIN
CB-14	641284.89	2691210.85	13.50	7.50	CATCH BASIN
CB-15	641266.23	2691272.00	13.00	8.15	CATCH BASIN
CB-16	641226.48	2691301.36	12.00	8.50	CATCH BASIN
CB-17	641225.70	2691345.08	12.00	9.00	CATCH BASIN
CB-18	641225.70	2691381.74	12.00	9.35	CATCH BASIN
CB-19	641299.79	2691417.53	12.00	9.75	CATCH BASIN
CB-20	641234.64	2691218.85	13.00	8.00	CATCH BASIN
CB-21	641345.74	2691159.75	13.50	7.50	CATCH BASIN
CB-22	641284.89	2691055.39	12.00	7.00	CATCH BASIN
CB-23	641345.74	2691055.39	12.00	7.50	CATCH BASIN
CB-24	641417.13	2691265.76	13.50	7.75	CATCH BASIN
CB-25	641437.19	2691308.94	13.75	8.25	CATCH BASIN
CB-26	641431.61	2691410.82	12.80	9.25	CATCH BASIN
CB-27	641375.61	2691418.80	12.00	9.75	CATCH BASIN

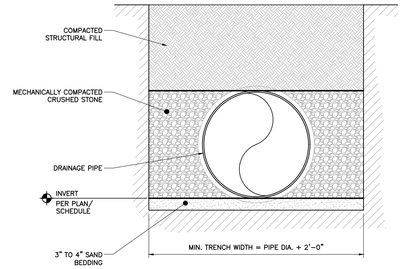
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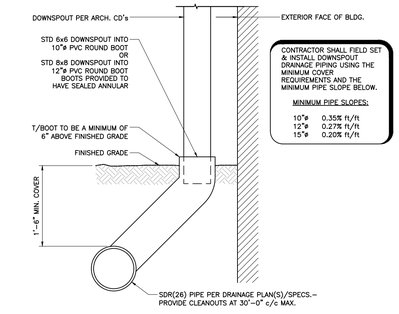
2 TYPICAL CATCH BASIN DETAILS

SCALE: N.T.S.



3 TYPICAL STORM PIPE BEDDING DETAILS

SCALE: N.T.S.



4 TYPICAL DOWNSPOUT BOOT DETAIL

SCALE: 3/4" = 1'-0"

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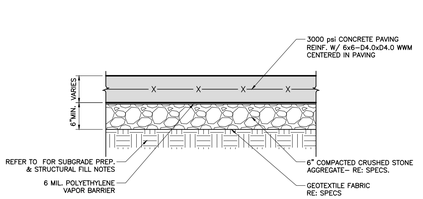
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DRAINAGE PLAN AND NOTES

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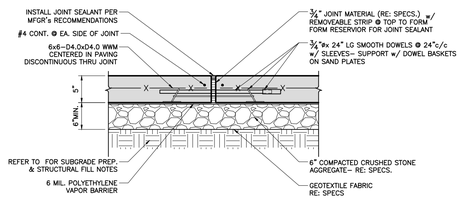
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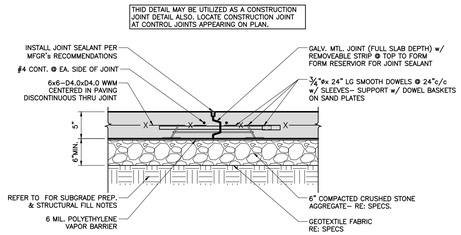
1 TYPICAL PAVING SECTION

SCALE: 3/4" = 1'-0"



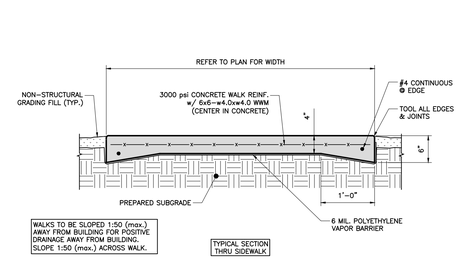
2 TYPICAL EXPANSION JOINT (E.J.)

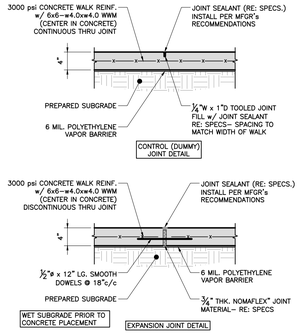
SCALE: 3/4" = 1'-0"



3 TYPICAL CONTROL JOINT

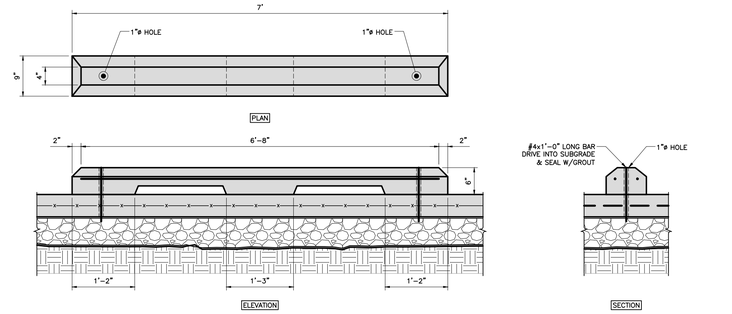
SCALE: 3/4" = 1'-0"





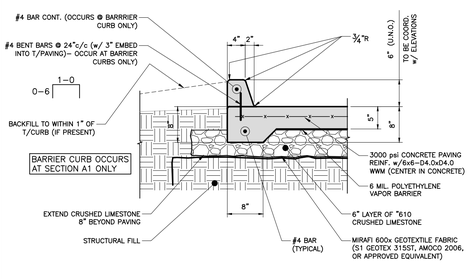
4 TYPICAL SIDEWALK DETAILS

SCALE: 3/4" = 1'-0"



5 TYPICAL CONCRETE WHEELSTOP DETAILS

SCALE: 3/4" = 1'-0"

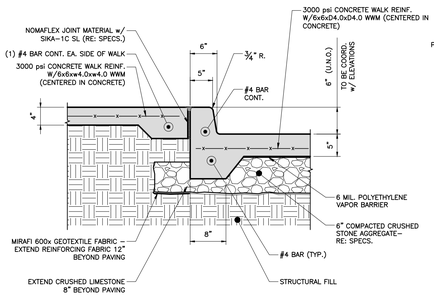


A SECTION @ PAVING EDGE (NO CURB)

SCALE: 3/4" = 1'-0"

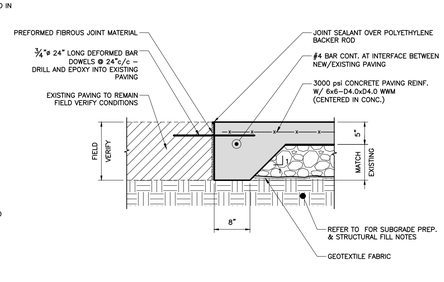
A1 SECTION @ PAVING EDGE (w/ BARRIER CURB)

SCALE: 3/4" = 1'-0"



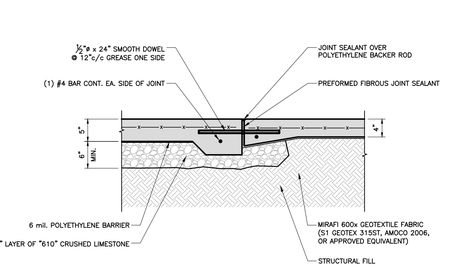
B SECTION @ SIDEWALK ALONG CURB

SCALE: 3/4" = 1'-0"



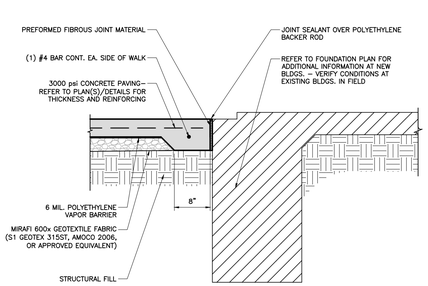
C SECTION @ NEW/EXISTING PAVING

SCALE: 3/4" = 1'-0"



D SECTION @ TRANSITION BETWEEN SIDEWALK AND PAVING

SCALE: 3/4" = 1'-0"



E SECTION (TYP. PAVING @ BLDG.)

SCALE: 3/4" = 1'-0"

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: 02/24/2025
DRWN. BY: BCL
CHKD. BY: JSD

REVISIONS

JASON DUHON License No. 36051 PROFESSIONAL ENGINEER STATE OF LOUISIANA
02/25/2025

GREATER ST MARY
MISSIONARY BAPTIST
1401 MOELING STREET
LAKE CHARLES, LA 70601
CHURCH BUILDING

CIVIL DETAILS AND SECTIONS

C1.3

DUHON + PLEASANT
CIVIL & STRUCTURAL ENGINEERS
337 564 5918
WWW.DANDPENGINEERS.COM
3393 BIG LAKE ROAD
LAKE CHARLES LA 70605

EXISTING BUILDING
TO REMAIN AND BE PROTECTED

(REFERENCE ONLY - VIF.)

#6 "HAIRPINS" CNTRD. ON INTERIOR FRAMES @ 3" BELOW T/SLAB

#6 "HAIRPINS" CNTRD. AT CORNER FRAMES @ 3" BELOW T/SLAB

1 FOUNDATION PLAN
SCALE: 3/32" = 1'-0"

NORTH

GENERAL STRUCTURAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS.
2. ALL DESIGN AND CONSTRUCTION IS BASED ON AND SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2021 EDITION AND APPLICABLE LOCAL CODES.
3. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL DRAWINGS.
4. THE STRUCTURE SHOWN ON THESE DRAWINGS IS SELF-SUPPORTING ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY, AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.
5. UNLESS NOTED, ELEVATIONS SHOWN ARE TO TOP OF FOUNDATIONS, SLABS OR STEEL BEAMS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
7. DO NOT SCALE DRAWINGS. USE ANNOTATED DIMENSIONS AS PROVIDED. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
8. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION. ALL COMPONENTS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION. SHOP DRAWINGS THAT HAVE NOT BEEN COORDINATED BY GENERAL CONTRACTOR (I.E. STRUCTURAL STEEL AND STEEL EMBEDS, ROOF TRUSSES, AND STEEL ROOF DECK) WILL BE REJECTED.

SUBGRADE PREPARATION AND STRUCTURAL FILL NOTES (STRUCTURAL ONLY)

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LA ONE CALL TO IDENTIFY ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
2. CONTRACTOR TO LOCATE ALL UTILITIES AND VERIFY NO CONFLICTS EXIST WITH ANY PROPOSED STORMWATER AND/OR UTILITY ROUTING PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. IF ANY CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. FOR AREAS IMMEDIATELY UNDER BUILDING PAD AND 5 FEET OUTSIDE OF BUILDING LINE, CONTRACTOR SHALL REMOVE ALL VEGETATION, TOPSOIL, ORGANIC MATTER AND EXISTING IMPROVEMENTS, INCLUDING FOUNDATIONS, GRAVEL, ASPHALT, AND CONCRETE PAVING, TO A MINIMUM DEPTH OF FOUR (4) FEET BELOW EXISTING GRADE OR OTHERWISE TO A DEPTH SUFFICIENT TO PROVIDE A FOUR (4) FOOT THICK PAD OF IMPORTED STRUCTURAL FILL BELOW THE BUILDING SLABS. REMOVE ANY EXISTING FOUNDATIONS AND TREES, INCLUDING THE ROOT BALLS, IN THEIR ENTIRETY AND BACKFILL WITH STRUCTURAL FILL PER DIRECTIONS BELOW. THE CUT DEPTH SHALL BE A MINIMUM; ADDITIONAL CUT SHALL BE ALLOWED AS REQUIRED FOR DRAINAGE OF THE EXCAVATION. DEPTH OF EXCAVATION SHALL BE POSITIVELY IDENTIFIED AND DOCUMENTED BY TESTING AGENCY AND PROVIDED TO ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO INSTALLATION OF STRUCTURAL FILL MATERIAL.
4. ANY SOILS REMOVED WITHOUT THE PROPER AUTHORIZATION FROM THE ARCHITECT/ENGINEER WILL BE FILLED WITH STRUCTURAL FILL AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
5. DISPOSE OF ALL EXISTING SOILS/VEGETATION PER OWNER'S DIRECTIVE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.
6. AFTER ALL MATERIALS HAVE BEEN REMOVED TO THE PROPER SUBGRADE ELEVATION, THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. ANY SUBGRADE FAILURES, "SOFT SPOTS", SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL. ENGINEER TO BE ADVISED A MINIMUM OF 24 HOURS PRIOR TO PERFORMANCE OF PROOFROLL AND PROOFROLL TO BE OBSERVED BY TESTING AGENCY.

   NO "EXTRAS" WILL BE AWARDED FOR EFFORTS NECESSARY TO REPAIR AREAS THAT FAIL PROOF ROLL AS A RESULT OF DEGRADATION BY EXPOSURE TO RAIN AND EXCESSIVE CONSTRUCTION TRAFFIC. THIS DETERMINATION WILL BE MADE SOLELY BY THE ARCHITECT/ENGINEER.
7. ALL STRUCTURAL FILL MATERIAL SHALL BE INSTALLED IN 6" THICK LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY AT +/-2% OF THE OPTIMUM MOISTURE CONTENT (ASTM D 698). STRUCTURAL FILL MATERIAL SHALL BE A SLIME-TREATED (6% BY VOLUME) SILTY OR SANDY CLAY WITH A LIQUID LIMIT BETWEEN 30-42 AND A PLASTICITY INDEX (P.I.) BETWEEN 12 AND 22. PROPERTIES OF FILL MATERIAL ARE TO BE VERIFIED BY A TESTING AGENCY PRIOR TO INSTALLATION. PROPOSED LIME MATERIAL AND APPLICATION RATE TO BE SUBMITTED FOR REVIEW BY ENGINEER PRIOR TO MIXING. LIME TO BE PIT MIXED – NO SITE MIXING PERMITTED.
8. COMPACTION OF EACH LIFT SHALL BE VERIFIED BY LAB TEST PRIOR TO INSTALLING NEXT LIFT. A MINIMUM TESTING FREQUENCY OF ONE (1) TEST PER 2,500 SQUARE FEET, BUT NO LESS THAN 3 TESTS, PER LIFT SHALL BE PERFORMED. A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY SHALL VERIFY PROPERTIES OF THE STRUCTURAL FILL MATERIALS AS WELL AS IN SITU COMPACTION OF FILL MATERIALS.

   <u>REFER TO SPECIFICATION SECTION 312000 "EARTH MOVING" FOR ADDITIONAL MATERIAL AND TESTING REQUIREMENTS</u>

   TESTING TO BE PROCURED BY CONTRACTOR.
9. CONTRACTOR IS TO MAINTAIN DRAINAGE PATHS TO SHED RUNOFF AWAY FROM ALL STRUCTURAL FILL AREAS UNTIL THEY ARE COMPLETED.
10. CONTRACTOR SHALL KEEP THE EXCAVATED AREAS, AND SURFACES OF IMPORTED FILL, FREE FROM STANDING WATER AT ALL TIME. SHOULD THIS EFFORT INCLUDE ADDITIONAL EXCAVATION, GRADING, PUMPING OF WATER, ETC., THIS WILL NOT BE CONSIDERED AN "EXTRA" AND NO CONTRACT MODIFICATIONS WILL BE AWARDED.

    SUBGRADE PREPARATION AND STRUCTURAL FILL NOTES BASED ON RECOMMENDATIONS CONTAINED IN GEOTECHNICAL REPORT (TERRACON PROJECT No. EU245067 REV 1, DATED NOVEMBER 26, 2024) AS PREPARED BY TERRACON CONSULTANTS, INC., SULPHUR, LA AS DIRECTED FOR USE BY THE ARCHITECT.

DESIGN LOADS

1. LIVE LOADS

ROOF: 20 PSF

2. WIND

WIND SPEED: 135 MPH
BUILDING RISK CATEGORY: II
EXPOSURE: B
ANALYSIS PROCEDURE: PER ASCE 7-16/IBC 2021

LEGEND

- EDGE OF SLAB
- GRADE BEAM
- STIFFENER BEAMS
- XX"ø / XX' — SHAFT ø (INCHES) (MIN.) / SHAFT DEPTH (FEET) (MIN.)
- (±)X'-XX" — TOP OF SLAB SPOT ELEVATION IN RELATION TO FINISHED FLOOR OF 0'-0"
- X'-X" / X'-X" — CHANGE IN T/SLAB (OR T/GRADE BEAM) ELEVATION
- C.J. — CONTROL JOINT (RE: S-101) FOR DETAIL(S)

GENERAL FOUNDATION NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB FINISHES, LEVEL LANDINGS, LEDGE LOCATIONS, DIMENSIONS AND DETAILS. VERIFY SLAB RECESSES, SLOPES AND LOCATIONS WITH ARCHITECTURAL PLANS.
2. REFER TO ARCHITECTURAL AND/OR M.E.P. DRAWINGS FOR ANY REQUIRED FINISHES, DEPRESSIONS, OR SPECIFIC ELEVATION REQUIREMENTS IN SLABS.
3. REFER TO ARCHITECTURAL AND/OR M.E.P. DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF ALL BLOCKOUTS, SLAB DEPRESSIONS, AND OBJECTS TO BE ENCASED/ EMBEDDED IN CONCRETE.
4. COORDINATE CONCRETE FINISHES, RECESSED AREAS, REVEALS, EMBEDDING ITEMS, SPECIAL JOINT PATTERNS, ETC. WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. PROVIDE A 3/4 INCH CHAMFER AT ALL EXPOSED EDGE OF CONCRETE.
5. CONDUITS SHALL BE PLACED BELOW THE SLAB AND NOT WITHIN THE SLAB. VERTICAL PENETRATIONS ARE ALLOWED.
6. FINISH FLOOR ELEV. CALLED 0'-0" (VERIFY M.S.L. ELEVATION W/ CIVIL DRAWINGS).
7. CONCRETE SLAB CONTRACTION JOINTS SHALL BE SAWCUT. REFER TO TYPICAL DETAIL ON S101. MAXIMUM SPACING OF INTERIOR SLAB CONTROL JOINTS, UNLESS OTHERWISE NOTED, SHALL BE 15'-0" (MAX.) IN EACH DIRECTION. IF NOT INDICATED ON DRAWINGS, CONTRACTOR MUST SUBMIT A CONTROL JOINT LAYOUT FOR APPROVAL (7) WORKING DAYS PRIOR TO POURING SLAB. RE: SPEC. SECTION "033000– CAST–IN– PLACE CONCRETE".
8. CONCRETE SLAB CONSTRUCTION JOINTS SHALL BE USED IN PLACE OF CONTRACTION JOINTS WHERE INDICATED ON THE SLAB PLAN AND ALSO WHERE NEEDED TO INTERRUPT A CONTINUOUS POUR. LOCATIONS CONTINGENT UPON APPROVAL BY ENGINEER – SUBMIT PROPOSED POUR PLAN FOR REVIEW. SLAB CONSTRUCTION JOINTS SHALL BE KEYED / DOWELED TYPE WITH REMOVABLE STRIP FOR CREATION OF SEALANT RESERVOIR.
9. CONTRACTOR'S OPTION TO USE CONSTRUCTION JOINT DETAIL AT CONTRACTION JOINT LOCATIONS.

CONCRETE NOTES

1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318–19 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 301–20 (SPECIFICATIONS FOR STRUCTURAL CONCRETE).
2. CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
3. UNLESS OTHERWISE NOTED, CONCRETE COVER FOR REINFORCING STEEL SHALL BE 3".
4. NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE.
5. REFER TO SPECIFICATION SECTION 033000 "CAST–IN–PLACE CONCRETE" FOR FURTHER REQUIREMENTS.

REINFORCEMENT STEEL NOTES

1. REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED IN ACCORDANCE WITH ACI 315–18 (MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES) AND CRSI MSP–1 (MANUAL OF STANDARD PRACTICE), 29TH EDITION.
2. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60 (UNLESS NOTED).
3. ALL SPLICES, INCLUDING SPLICES FROM BARS LABELED CONTINUOUS, SHALL BE 48 BAR DIAMETERS UNLESS OTHERWISE NOTED.
4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND BE LAPPED TWO FULL PANELS AND TIED ON EACH SIDE.
5. LONGITUDINAL REINFORCING BARS IN FOOTINGS SHALL BE PLACED CONTINUOUS AT CORNERS AND THROUGH INTERSECTIONS BY MEANS OF CORNER BARS AND/OR SPLICE BARS.
6. FOR EVERY VERTICAL OR HORIZONTAL BAR DISCONTINUED BY AN OPENING, ONE BAR (MIN. OF 2 BARS) SHALL BE ADDED AT SIDE OF OPENING (HALF TO EACH SIDE – TYPICAL).
7. CONCRETE REINFORCING STEEL SHALL BE SUPPORTED AT SPECIFIED POSITION BY CONCRETE BLOCKS, CHAIRS, OR OTHER PRODUCTS MANUFACTURED SPECIFICALLY FOR THAT PURPOSE. REINFORCING SUPPORTS SHALL BE PLACED NOT MORE THAN 4'–0" ON CENTER.

P.E.M.B. COORDINATION NOTES

1. VERIFY ALL SLAB DIMENSIONS, INCLUDING DOOR LOCATIONS, WITH SLAB AND ANCHOR BOLT PLAN AS FURNISHED BY METAL BUILDING MANUFACTURER.
2. FOUNDATION LAYOUT AT COLUMNS IS BASED ON THE LOCATIONS/DEPTHS OF COLUMNS AS SHOWN ON ARCHITECTURAL DRAWINGS. IF ACTUAL COLUMN LOCATIONS ARE DIFFERENT THAN THOSE SHOWN ON THE DRAWINGS, AND FOUNDATION LAYOUT AND/OR REINFORCEMENT HAS TO BE MOVED OR OTHERWISE ADJUSTED TO ACCOMMODATE PEMB COLUMNS, CHANGES ARE TO BE APPROVED BY THE ARCHITECT, AND ANY CHANGES REQUIRED WILL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
3. VERIFY ALL ANCHOR ROD SIZES (INCLUDING BUT NOT LIMITED TO DIAMETER AND PROJECTION) AND LAYOUT WITH PEMB DRAWINGS PRIOR TO COMMENCEMENT OF FOUNDATION CONSTRUCTION.
4. COLUMN REACTIONS FOR P.E.M.B. SHALL BE PROVIDED TO ENGINEER FOR REVIEW PRIOR TO SUBMISSION OF CONCRETE REINFORCING SHOP DRAWINGS.

JOINT NOTES

1. CONTRACTOR SHALL SUBMIT A LAYOUT LOCATING CONTROL (CONTRACTION) (SAWCUT OR DOWELED) JOINTS IN SLAB–ON–GRADE FOR APPROVAL. LAYOUT SHALL BE APPROVED PRIOR TO CONCRETE PLACEMENT.
2. LIMIT JOINT SPACING TO NOT MORE THAN 15 FEET ON ANY SIDE. DO NOT INTERCHANGE CONSTRUCTION AND CONTRACTION JOINTS WHERE A PARTICULAR JOINT DETAIL IS SPECIFIED ON THE DRAWINGS. SAWN JOINTS MUST TERMINATE AT CONSTRUCTION JOINTS.
3. AT CONSTRUCTION JOINTS IN FOOTINGS, PROVIDE (1) 2X8 KEY FULL WIDTH OF FOOTING. REFER TO DETAIL.
4. COORDINATE JOINT LOCATIONS WITH CONCRETE FINISHES, RECESSED AREAS, REVEALS, EMBEDDING ITEMS, SPECIAL JOINT PATTERNS, ETC. SHOWN ON THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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DRWN. BY: BCL
CHKD. BY: JSD

REVISIONS

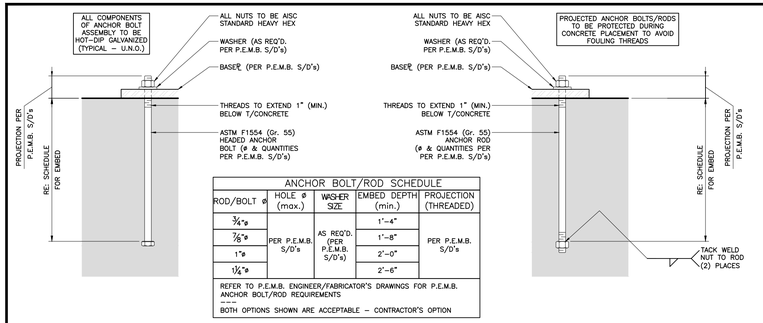
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02/25/2025

GREATER ST MARY MISSIONARY BAPTIST
1401 MOELING STREET
LAKE CHARLES, LA 70601
CHURCH BUILDING

FOUNDATION PLAN & NOTES

DUHON + PLEASANT
CIVIL & STRUCTURAL ENGINEERS
337 564 5918 — 5393 BIG LAKE ROAD
WWW.DANDPENGINEERS.COM — LAKE CHARLES LA 70605

S-100
KAI # 2316 2/24/25



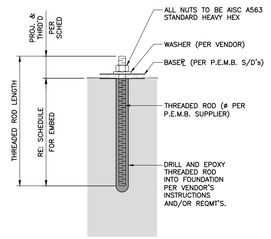
ANCHOR BOLT/ROD SCHEDULE				
ROD/BOLT ø	HOLE ø (max.)	WASHER SIZE	EMBED DEPTH (min.)	PROJECTION (THREADED)
¾"ø	PER P.E.M.B. S/D's	AS REQ'D. (PER P.E.M.B. S/D's)	1'-4"	PER P.E.M.B. S/D's
⅞"ø			1'-8"	
1"ø			2'-0"	
1¼"ø			2'-6"	

REFER TO P.E.M.B. ENGINEER/FABRICATOR'S DRAWINGS FOR P.E.M.B. ANCHOR BOLT/ROD REQUIREMENTS

BOTH OPTIONS SHOWN ARE ACCEPTABLE - CONTRACTOR'S OPTION

1 ANCHOR BOLT/ROD DETAILS (CONTRACTOR'S OPTION)

SCALE: N.T.S.



POST-INSTALLED ANCHOR SCHEDULE		
ANCHOR ø	EMBED DEPTH (min.)	PROJECTION (THREADED)
⅝"ø	0'-6"	PER VENDOR'S INSTRUCTIONS AND/OR REQMT'S.
¾"ø	1'-0"	

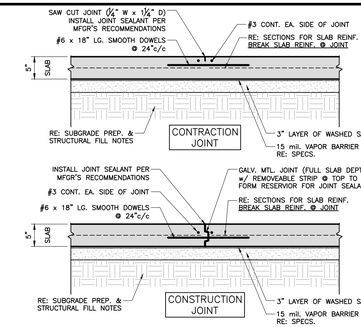
BASIS OF DESIGN FOR POST-INSTALLED ANCHOR SYSTEM IS AS FOLLOWS:

ADHESIVE: HILTI HIT-HY 200 OR APPROVED EQUAL

THREADED ROD ASSEMBLY: HILTI HAS-E OR APPROVED EQUAL (HOT-DIP GALVANIZED)

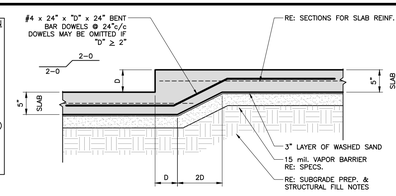
2 POST-INSTALLED ANCHOR DETAILS

SCALE: N.T.S.



CONSTRUCTION & CONTRACTION JOINT NOTES

1. JOINTS SHALL BE SPACED AT LOCATIONS INDICATED ON PLAN OR OTHERWISE AT 15'-0" c/c (max.) EACH WAY.
2. JOINTS SHALL BE LOCATED AT LEAST 5'-0" FROM CENTERLINES OF GRADE BEAMS.
3. SAWCUTTING OF JOINTS MUST OCCUR NO LATER THAN FOUR (4) HOURS AFTER FINISHERS HAVE LEFT THE SLAB.
4. CONTRATOR SHALL COORDINATE JOINT LOCATIONS WITH SLAB FINISHES.

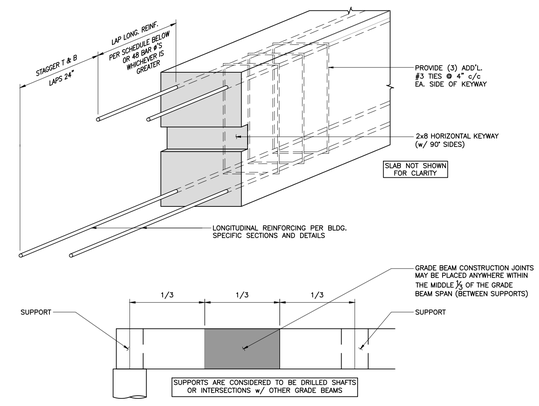


4 DEPRESSED SLAB DETAIL

SCALE: N.T.S.

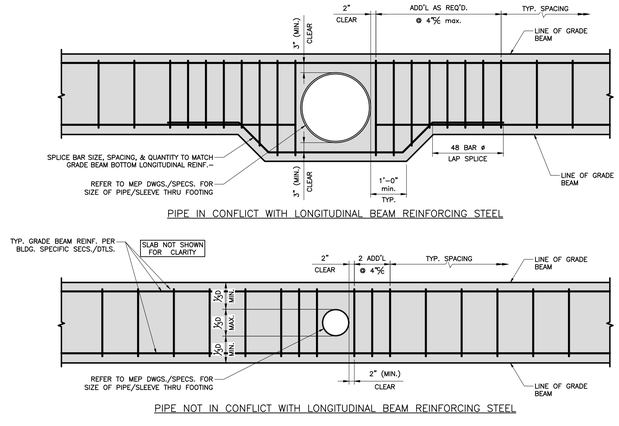
3 SLAB JOINT DETAILS

SCALE: N.T.S.



5 GRADE BEAM CONSTRUCTION JOINT DETAIL

SCALE: N.T.S.

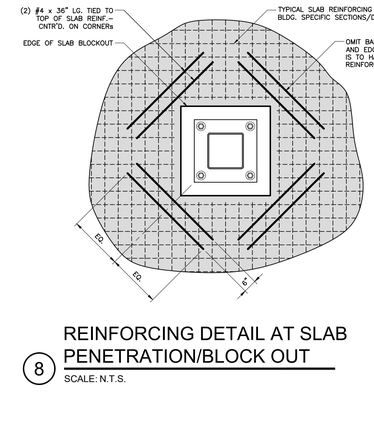


PIPE IN CONFLICT WITH LONGITUDINAL BEAM REINFORCING STEEL

PIPE NOT IN CONFLICT WITH LONGITUDINAL BEAM REINFORCING STEEL

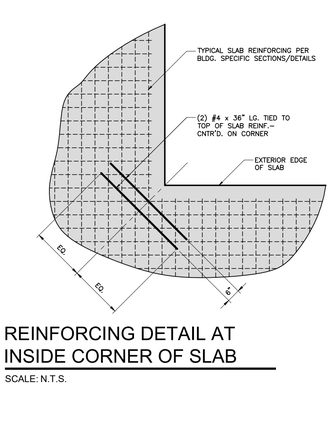
6 PIPE/CONDUIT PENETRATION THRU GRADE BEAM DETAIL

SCALE: N.T.S.



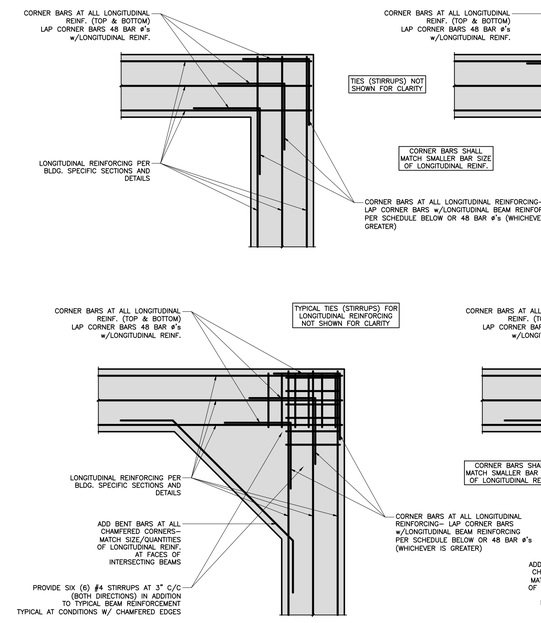
8 REINFORCING DETAIL AT SLAB PENETRATION/BLOCK OUT

SCALE: N.T.S.



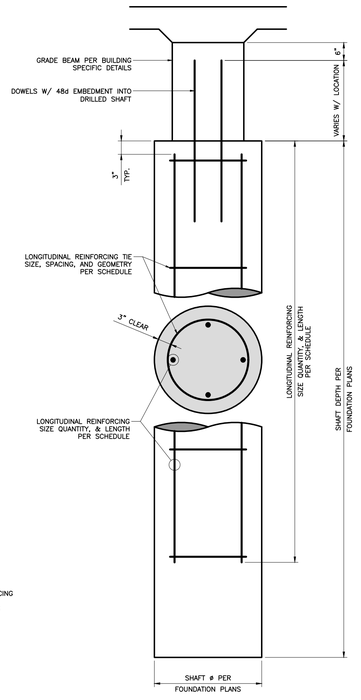
7 REINFORCING DETAIL AT INSIDE CORNER OF SLAB

SCALE: N.T.S.



9 GRADE BEAM INTERSECTION DETAILS

SCALE: N.T.S.



WIDEN GRADE BEAMS AT COLUMN LOCATIONS TO PROVIDE A MINIMUM OF 3" CONCRETE COVER FOR ALL REINFORCING STEEL/ANCHOR BOLTS UNLESS CONSTRAINED BY THE EXPOSED FACES OF THE BUILDING FOUNDATIONS

CAST-IN-PLACE CONCRETE DRILLED SHAFT SCHEDULE FOR SHAFTS NOT AT BRACING LOCATIONS				
SHAFT ø	SHAFT DEPTH (FT.)	LONGITUDINAL REINF. SIZE, QTY., & LENGTH	TIE SIZE AND SPACING	TIE SHAPE
18"	20'	(4) #6 x 15'	(5)#3 @ 12"c/c AT TOP THEN #3 @ 24"	
24"	20'-30'	(4) #6 x 15'	#3 @ 18"c/c	
24"	>30'-40'	(4) #6 x 25'	#3 @ 18"c/c	
30"	20'-30'	(6) #5 x 15'	#3 @ 18"c/c	
30"	>30'-40'	(6) #5 x 25'	#3 @ 18"c/c	
36"	20'-30'	(6) #6 x 15'	#4 @ 18"c/c	
36"	>30'-40'	(6) #6 x 25'	#4 @ 18"c/c	
48"	>30'-40'	(8) #8 x 25'	#4 @ 18"c/c	

"ø" SHAFT DIAMETER (INCHES)

SHAFT DEPTH (FEET) BELOW BOTTOM OF GRADE BEAM

10 CAST-IN-PLACE CONCRETE DRILLED SHAFT DETAIL

SCALE: N.T.S.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: 02/24/2025
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CHKD. BY: JSD

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JASON S. DUHON
License No. 38054
PROFESSIONAL ENGINEER
02/25/2025

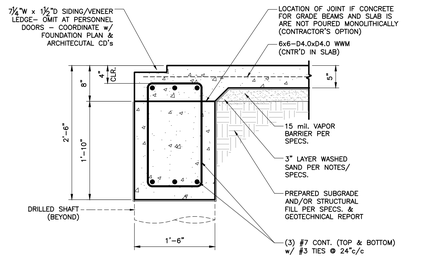
GREATER ST MARY MISSIONARY BAPTIST
1401 MOELING STREET
LAKE CHARLES, LA 70601
CHURCH BUILDING

TYPICAL FOUNDATION DETAILS & SECTIONS

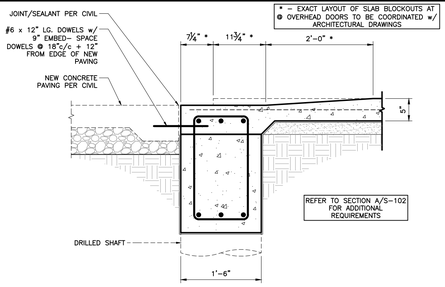
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337 564 5918
WWW.DANDPENGINEERS.COM
5393 BIG LAKE ROAD
LAKE CHARLES LA 70605

S-101

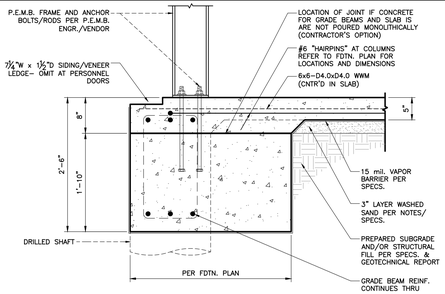
KAI # 2316 2/24/25



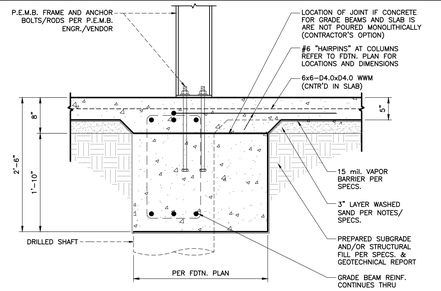
A SECTION
SCALE: 3/4" = 1'-0"



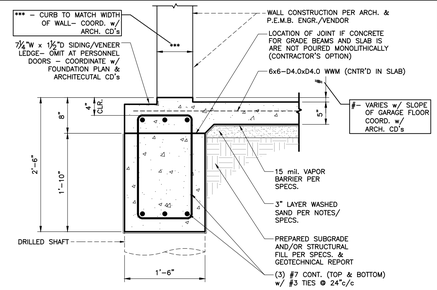
B SECTION
SCALE: 3/4" = 1'-0"



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



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



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

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

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

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

J SECTION
SCALE: 3/4" = 1'-0"

K SECTION
SCALE: 3/4" = 1'-0"

L SECTION
SCALE: 3/4" = 1'-0"

M SECTION
SCALE: 3/4" = 1'-0"

N SECTION
SCALE: 3/4" = 1'-0"

O SECTION
SCALE: 3/4" = 1'-0"

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Barry D. King, AIA,
Architect
1312 Sampson St.
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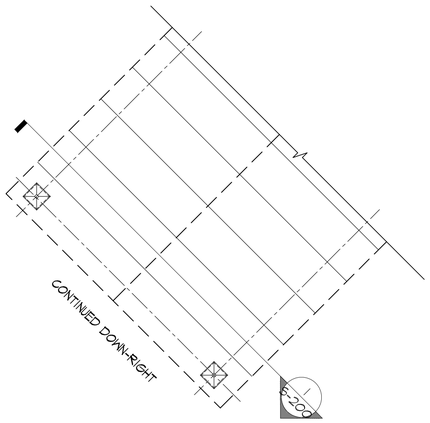
GREATER ST MARY
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FOUNDATION SECTIONS AND DETAILS

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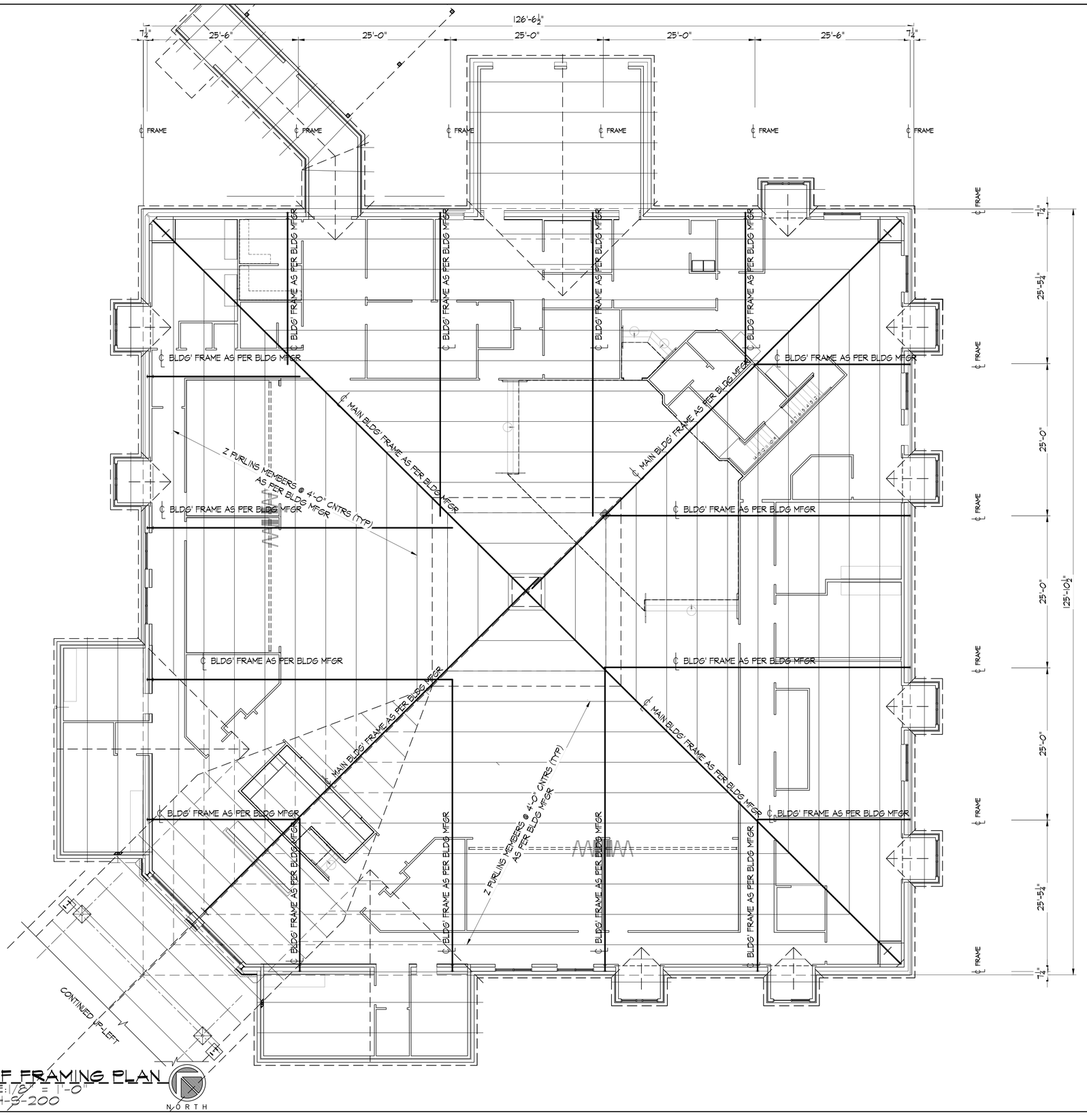
S-102

KAI # 2316 2/24/25



2 PARTIAL PLAN
SCALE: 1/8" = 1'-0"
RE: CH-S-200

NORTH



1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"
RE: CH-S-200

NORTH

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Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
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DATE: MAR, 2025
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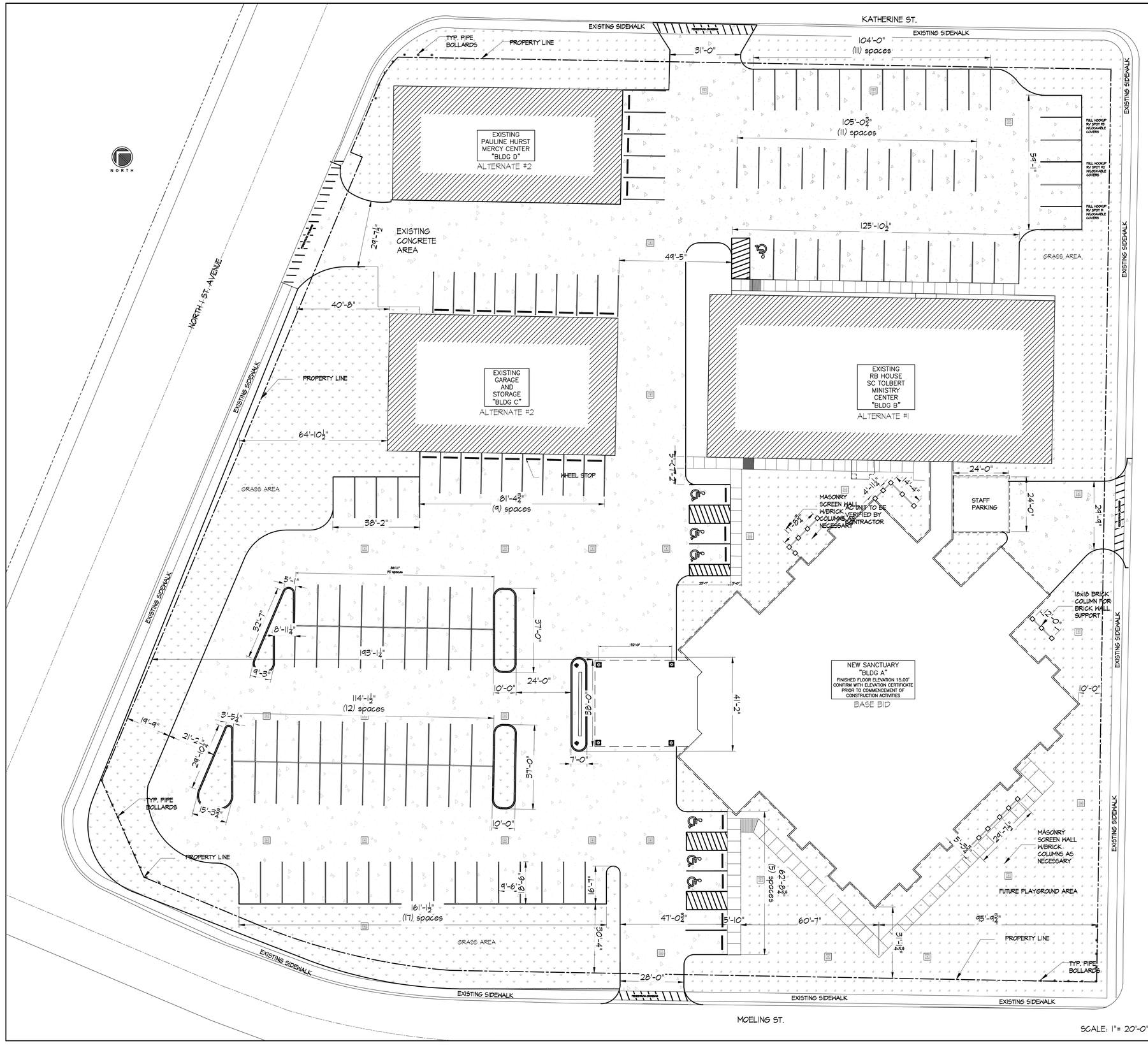
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ROOF
FRAMING
PLAN
BASE BID

CH-S-200

KAI # 2316 / PRINT DATE 8/20/25



SCALE: 1"= 20'-0"

CATCH BASIN.
SEE CIVIL DRAINAGE PLAN FOR SIZE AND LOCATION.

NOTE:
REFER TO MECHANICAL PLAN FOR LOCATION OF A/C PAD AND OUTSIDE CONDENSERS.
REFER TO DRAINAGE PLAN FOR EXACT SIZE AND LOCATION OF CATCH BASINS.

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Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
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1	
2	
3	

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GREATER ST MARY
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MASTER
SITE PLAN
BASE BID

CH-A-100

KAI # 2316 / PRINT DATE 8/20/25

NOTE:
16"x16"x6" "BIBLE VAULT" RECESSED UNDER FLOOR. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.

SEE DRAWING A-201 FOR ENLARGED PLAN THIS AREA

SEE DRAWING A-202 FOR ENLARGED PLAN THIS AREA

SEE DRAWING A-204 FOR ENLARGED PLAN THIS AREA

SEE DRAWING A-203 FOR ENLARGED PLAN THIS AREA

MATCH LINE "B"

MATCH LINE "A"

BIBLE VAULT SEE NOTE

NORTH

1 OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"
RE:

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Barry D. King, AIA,
Architect
1312 Sampson St.
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DATE: APR, 2025
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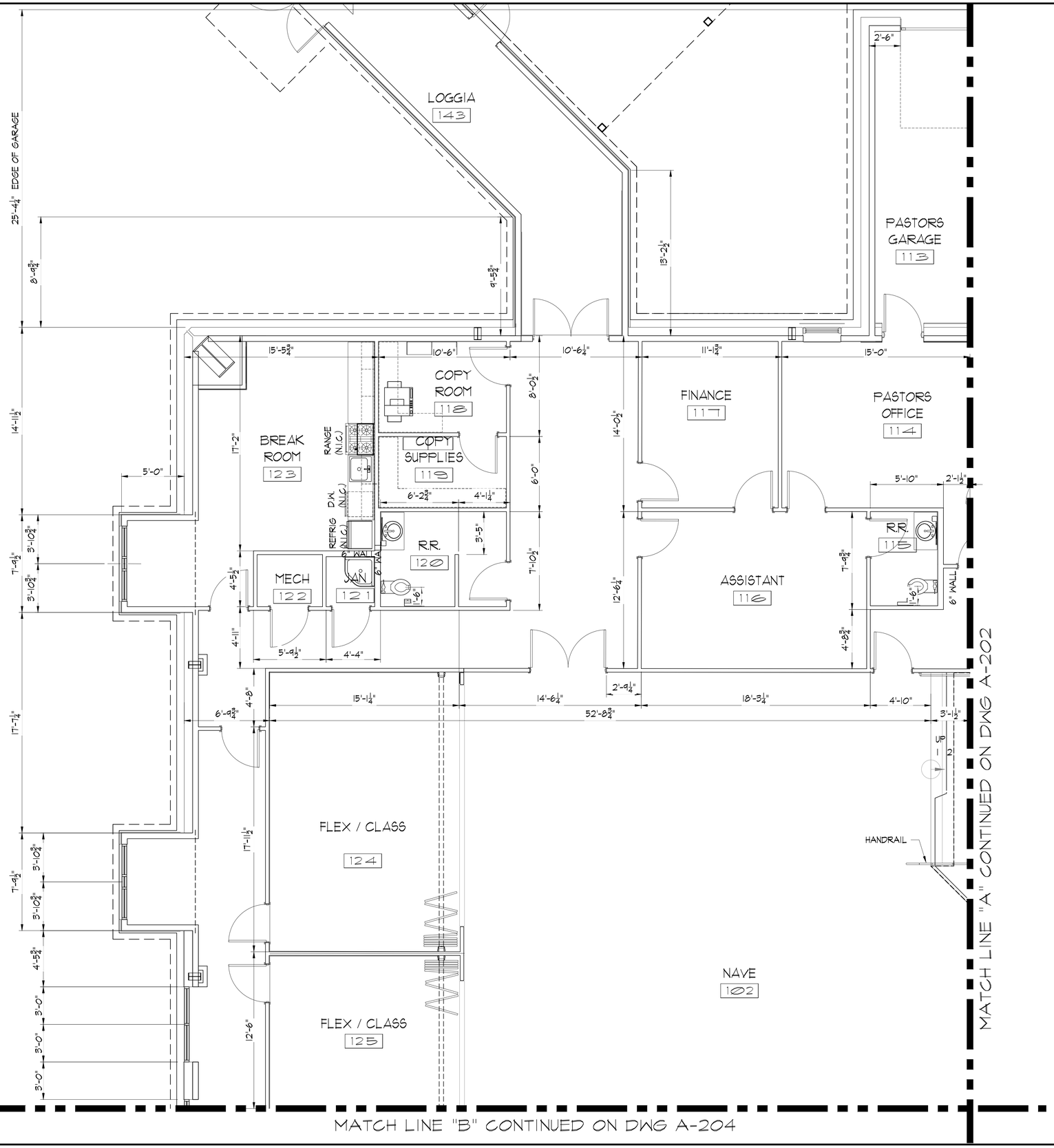
BARRY D. KING REG. NO. 37547 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

OVERALL FLOOR PLAN
BASE BID

CH-A-200

KAI # 2316 / PRINT DATE 8/20/25



1 PLAN - NW QUADRANT
SCALE: 1/4" = 1'-0"
RE: CH-A-201

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Architect
1312 Sampson St.
Westlake, LA 70669
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JOB NO: 2316
DATE: MAR, 2025
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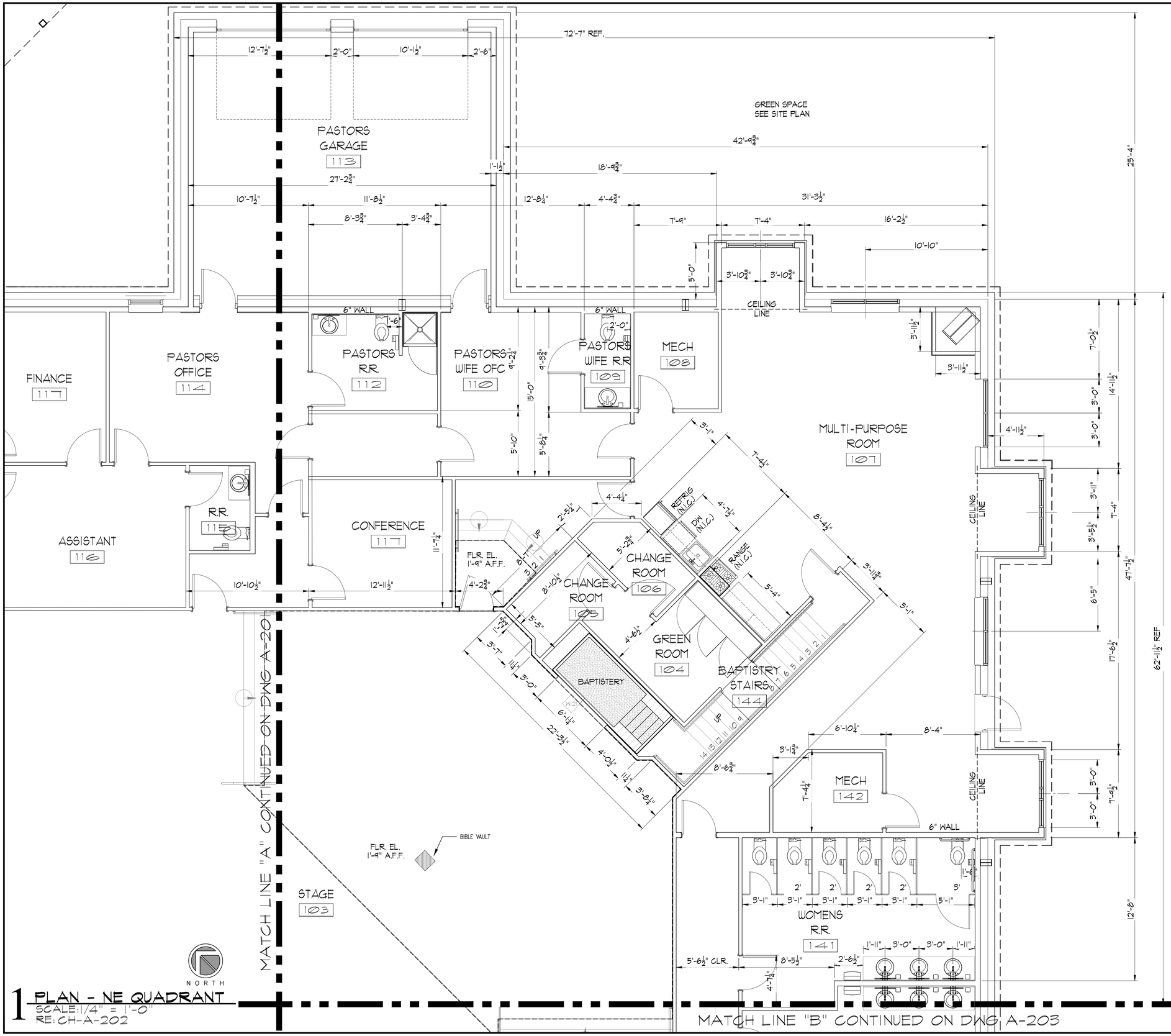
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STATE OF LOUISIANA
REGISTERED ARCHITECT

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CHURCH COMPLEX
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FLOOR PLAN
- NW
QUADRANT
BASE BID

CH-A-201

KAI # 2316 / PRINT DATE 8/20/25



1 PLAN - NE QUADRANT
SCALE: 1/4" = 1'-0"
RE: CH-A-202

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Architect
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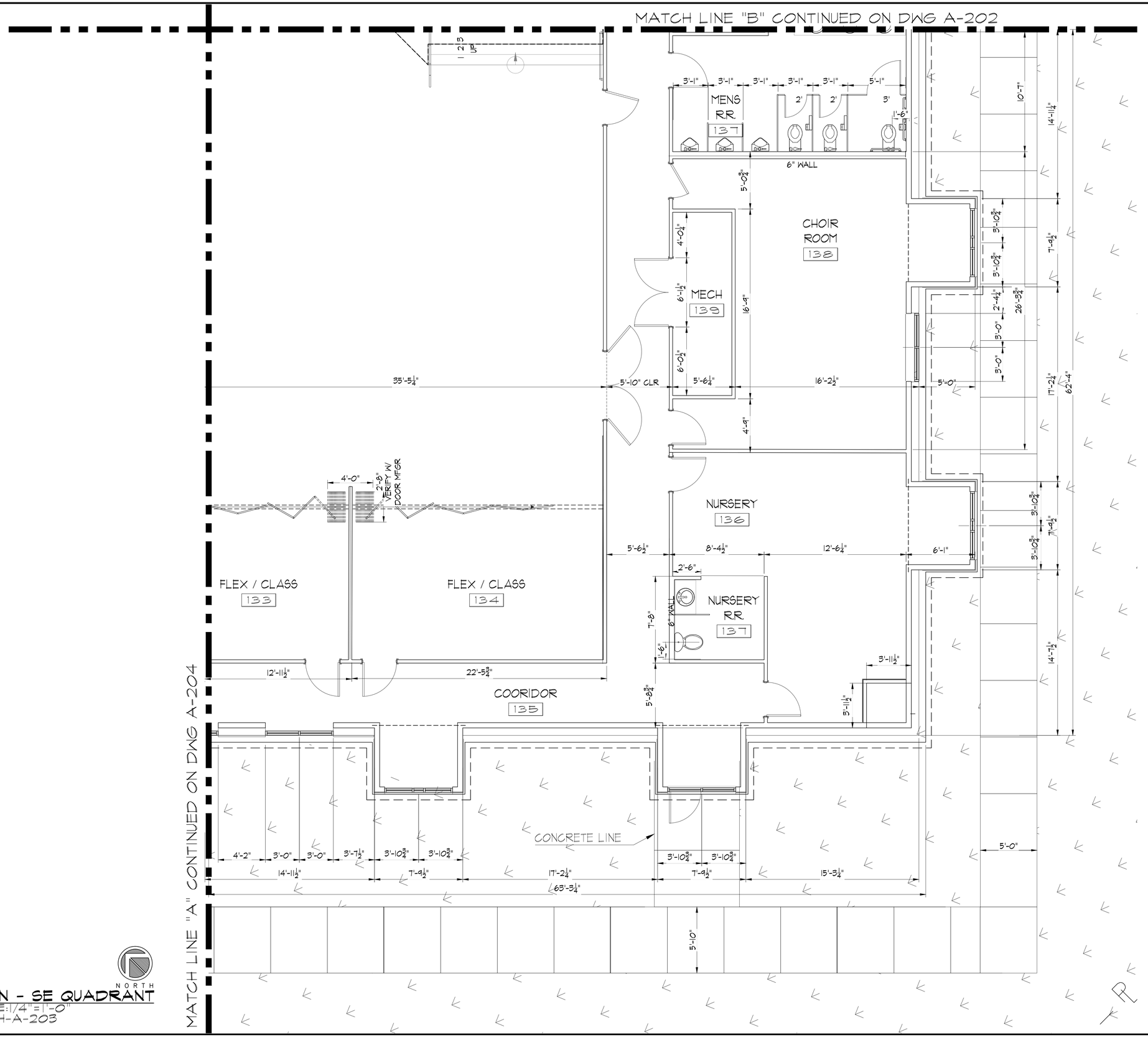
BARRY D. KING REG. NO. 31618 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
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CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

FLOOR PLAN
- NE QUAD
BASE BID

CH-A-202

KAI # 2316 / PRINT DATE 8/20/25



1 PLAN - SE QUADRANT
SCALE: 1/4" = 1'-0"
RE: CH-A-203

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Architect
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1401 MOELING STREET
LAKE CHARLES, LA 70601

FLOOR PLAN
- SE QUAD
BASE BID

CH-A-203

KAI # 2316 / PRINT DATE 8/20/25

MATCH LINE "B" CONTINUED ON DWG A-201

6" CURB

NOTE: REFER TO CIVIL DRAWINGS FOR DRAINAGE AND EXPANSION JOINT DETAILS 6" CURB

COMMUNION CLOSET 127

MENS R.R. 128

FLEX / CLASS 125

MECH 126

SOUND BOOTH 101

VINYL COUNTER TOP

FLR. EL. 1'-9" A.F.F.

GLIDER WINDOW

NAVE 102

LOBBY 100

MECH 132

FLEX / CLASS 133

COORIDOR 135

WOMEN R.R. 129

USHERS 131

JAN 130

ROOF OVERHANG

STEEL CROSS SEE SECTION C SHEET A-205 FOR DETAIL

NORTH

MATCH LINE "A" CONTINUED ON DWG A-203

1 PLAN - SW QUADRANT
SCALE: 1/4" = 1'-0"
RE: CH-A-204

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Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
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DATE: MAR. 2025
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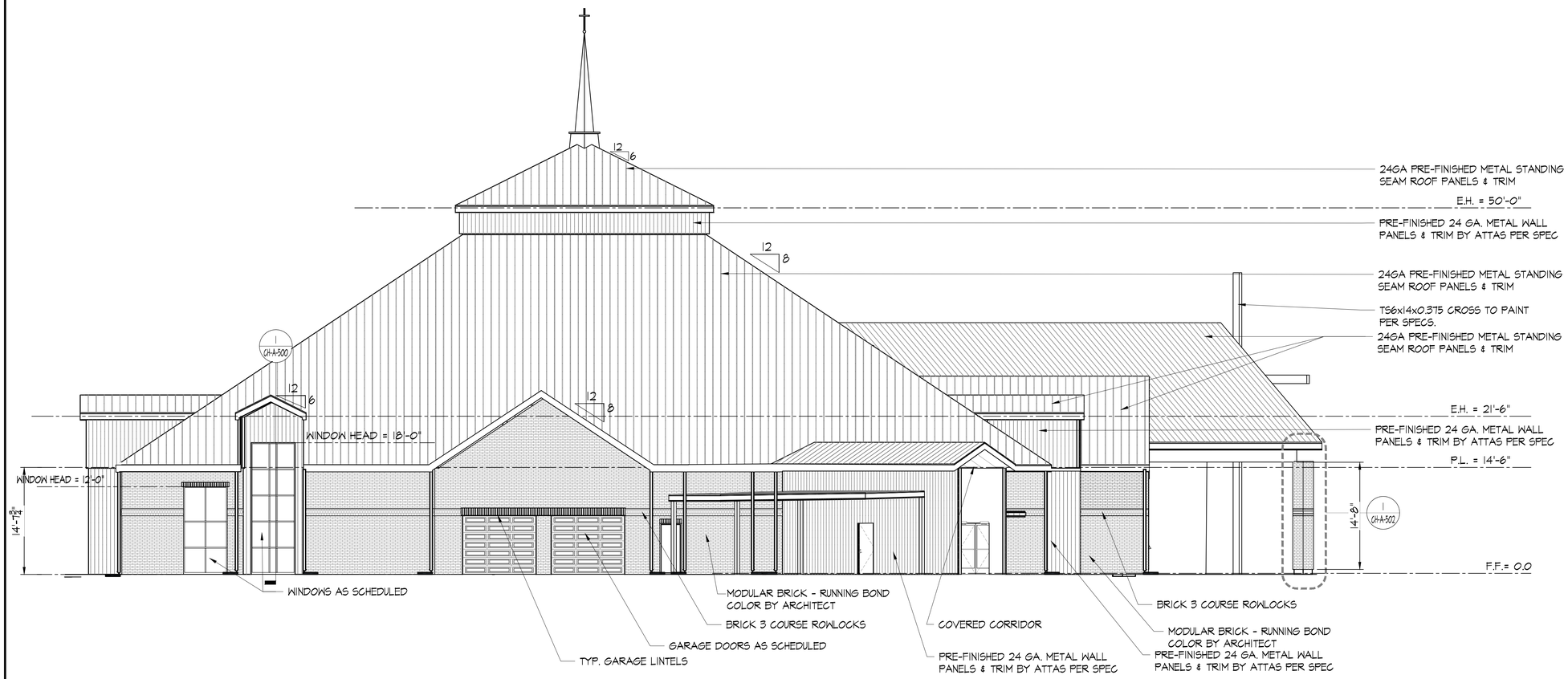
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MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

FLOOR PLAN
- SW QUAD
BASE BID

CH-A-204



1 NORTHEAST ELEVATION

SCALE: 1/8" = 1'-0"
RE: CH-A-300

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Architect
1312 Sampson St.
Westlake, LA 70669
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
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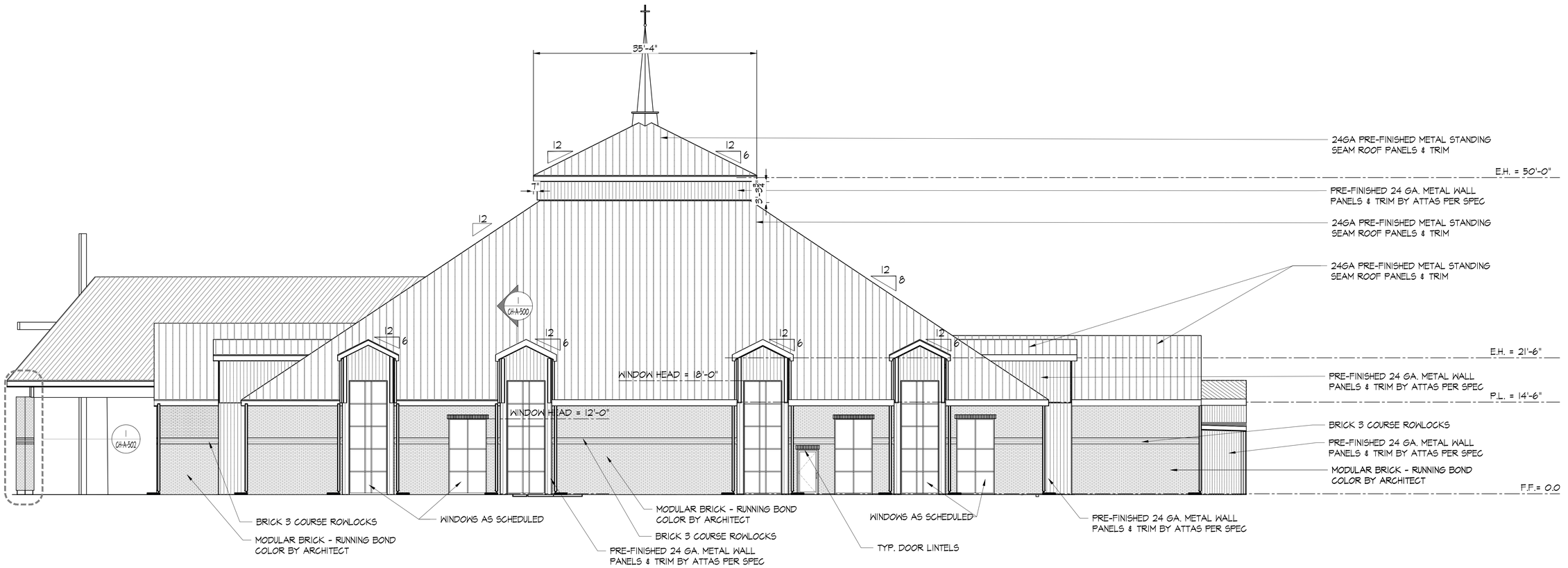
BARRY D. KING REG. NO. 31358 REGISTERED ARCHITECT STATE OF LOUISIANA

GREATER ST MARY
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NORTHEAST ELEVATION
BASE BID

CH-A-300

KAI # 2316 / PRINT DATE 8/20/25



1 SOUTHEAST ELEVATION

SCALE: 1/8" = 1'-0"
RE: CH-A-301

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Barry D. King, AIA,
Architect
1312 Sampson St.
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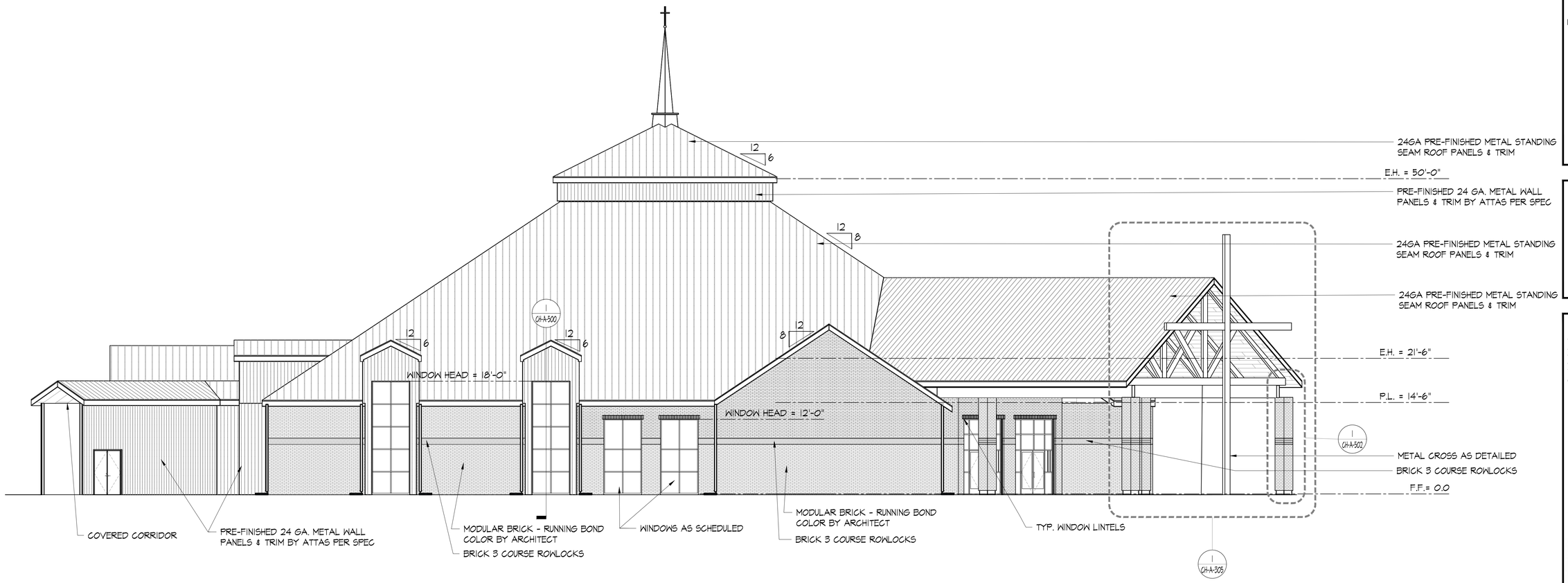
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LAKE CHARLES, LA 70601

SOUTHEAST ELEVATION
BASE BID

CH-A-301

KAI # 2316 / PRINT DATE 8/20/25



1 SOUTHWEST ELEVATION

SCALE: 1/8" = 1'-0"
RE: CH-A-302

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Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
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JOB NO: 2316
DATE: MAR. 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

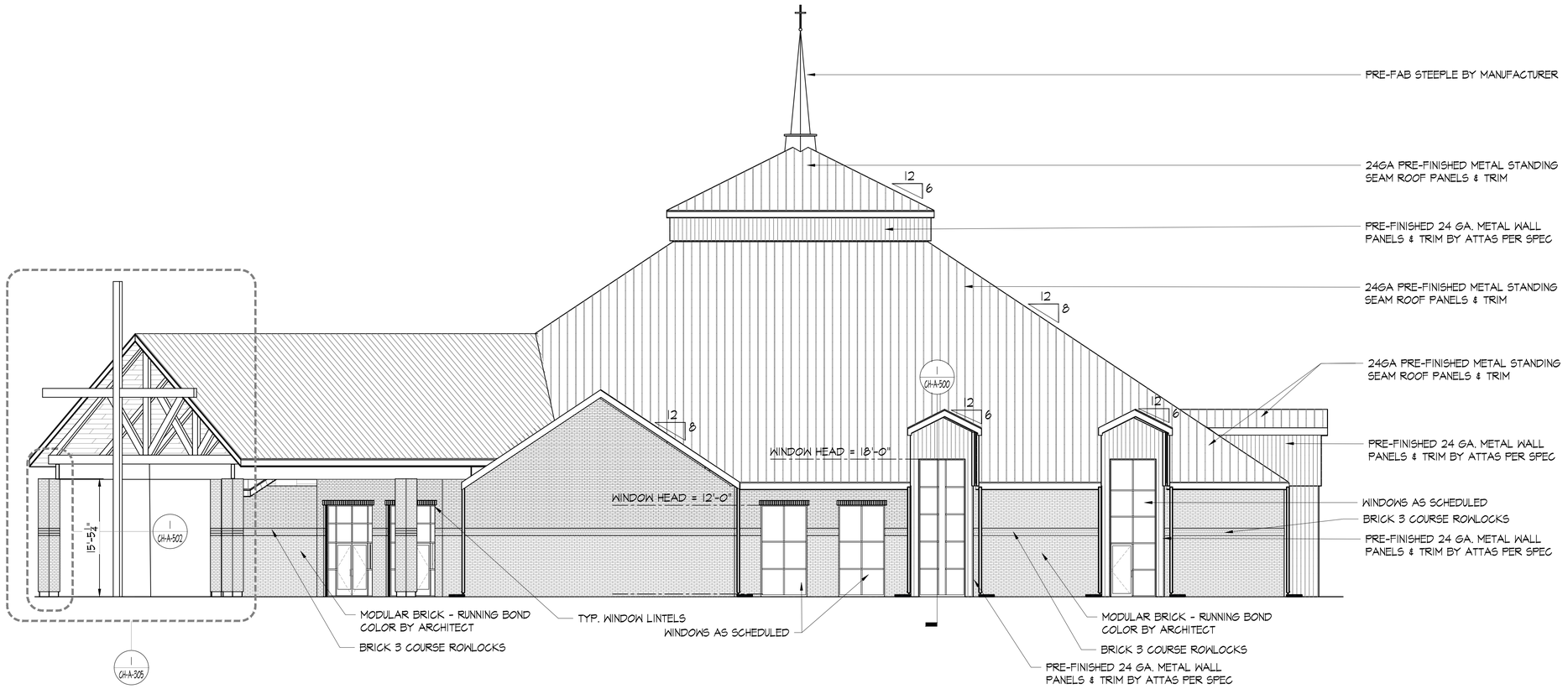
BARRY D. KING REG. NO. 31158 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

SOUTHWEST ELEVATION
BASE BID

CH-A-302

KAI # 2316 / PRINT DATE 8/20/25



1 NORTHWEST ELEVATION

SCALE: 1/8" = 1'-0"
RE: CH-A-303

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Barry D. King, AIA,
Architect
1312 Sampson St.
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JOB NO: 2316
DATE: APR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

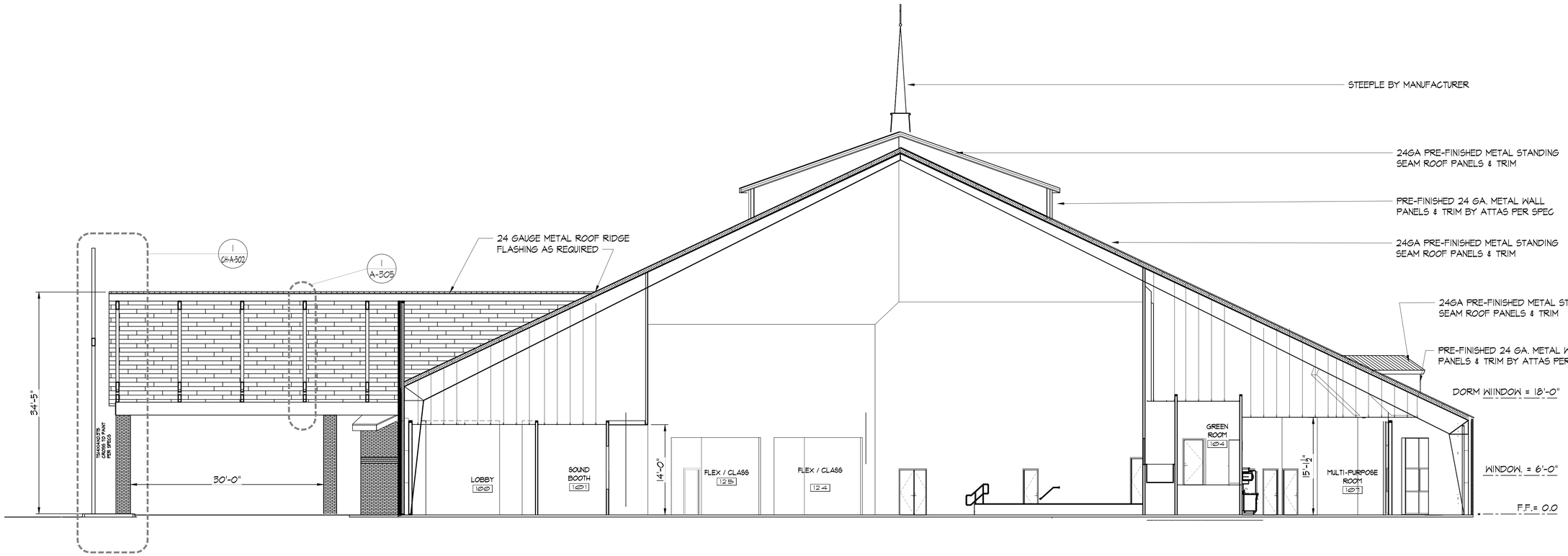
BARRY D. KING NO. 37455 REGISTERED ARCHITECT STATE OF LOUISIANA

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

NORTHWEST ELEVATION
BASE BID

CH-A-303

KAI # 2316 / PRINT DATE 8/20/25



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

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Architect
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS
A FOR BIDS

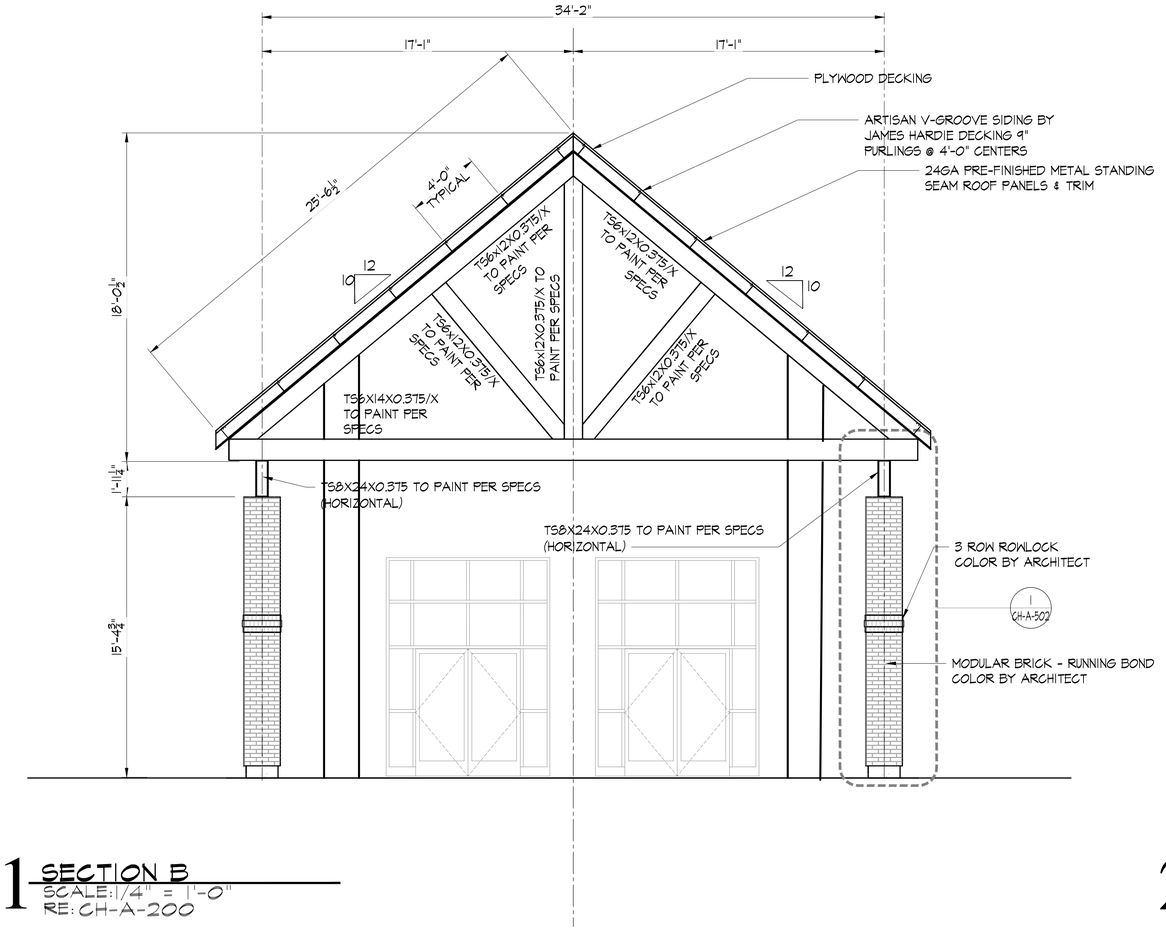
BARRY D. KING REG. NO. 31252 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

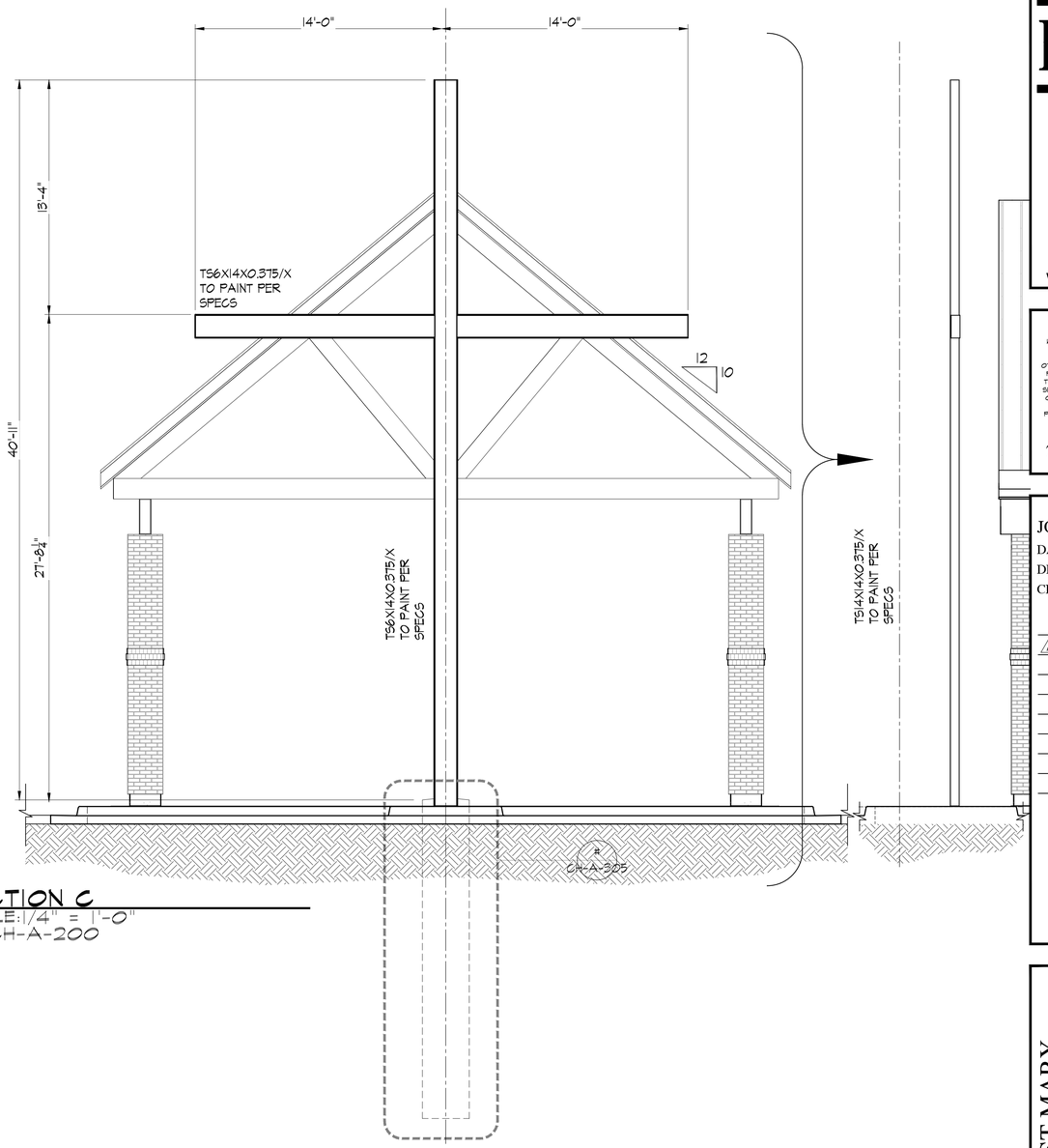
BLDG SECTIONS
BASE BID

CH-A-304

KAI # 2316 / PRINT DATE 8/25/25



1 SECTION B
SCALE: 1/4" = 1'-0"
RE: CH-A-200



2 SECTION C
SCALE: 1/4" = 1'-0"
RE: CH-A-200

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Architect
1312 Sampson St.
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

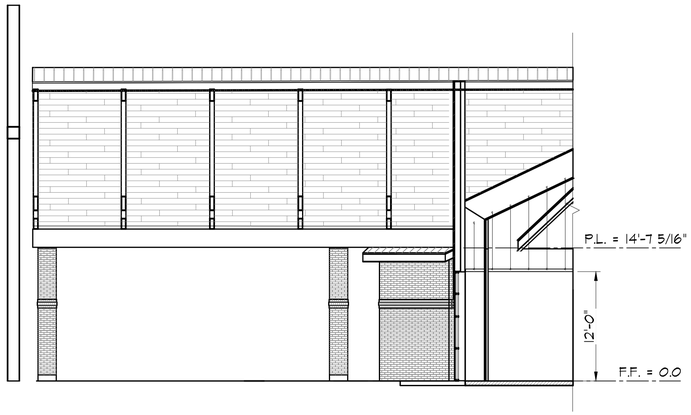
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GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

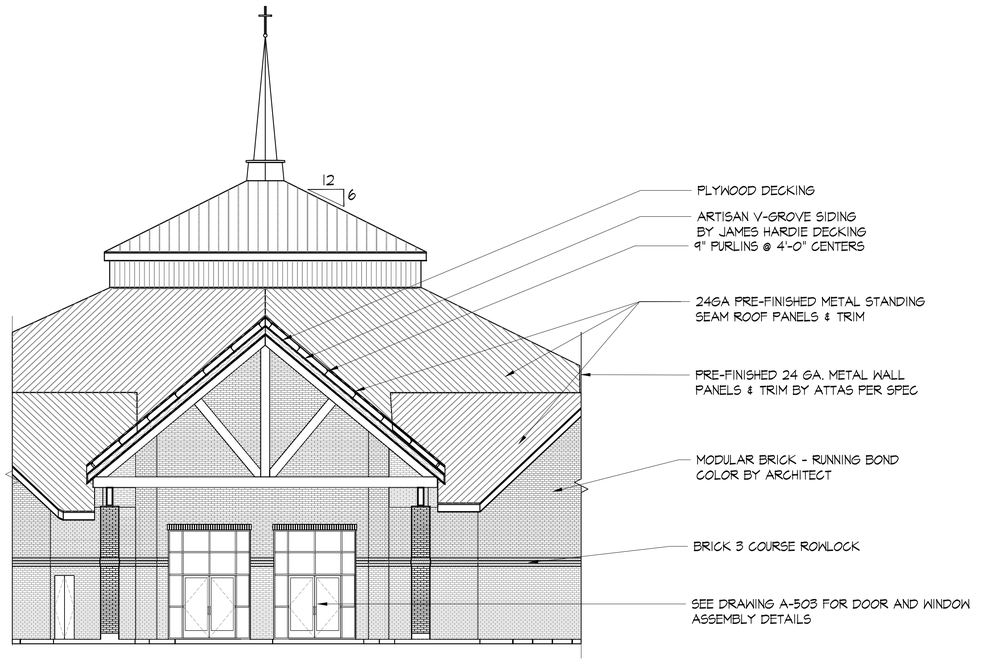
BLDG
SECTIONS
BASE BID

CH-A-305

KAI # 2316 / PRINT DATE 8/20/25



1 SECTION A-A
SCALE: 1/8" = 1'-0"
RE: CH-A-306



2 SECTION B-B
SCALE: 1/8" = 1'-0"
RE: CH-A-306

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JOB NO:	2316
DATE:	MAR. 2025
DRWN. BY:	BDC
CHKD. BY:	BDK

REVISIONS

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2	.
3	.

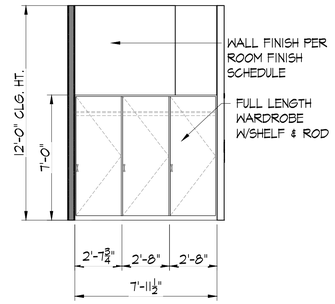
BARRY D. KING REG. NO. 31315 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

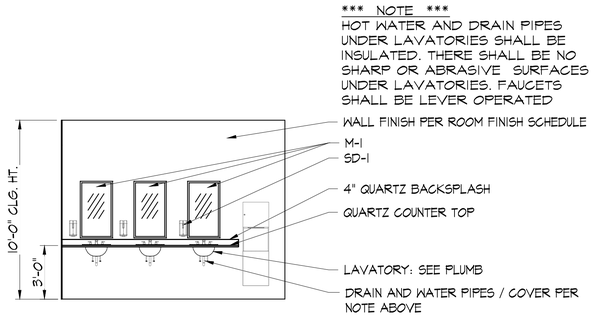
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SECTION
BASE BID

CH-A-306

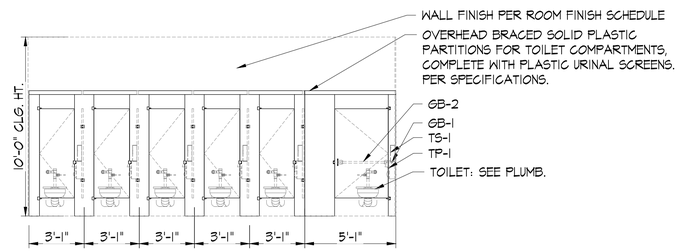
KAI # 2316 / PRINT DATE 8/20/25



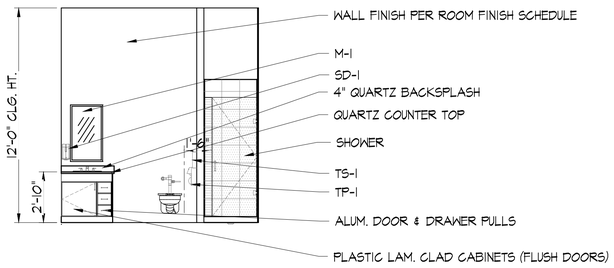
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RE: A-200 / A-403



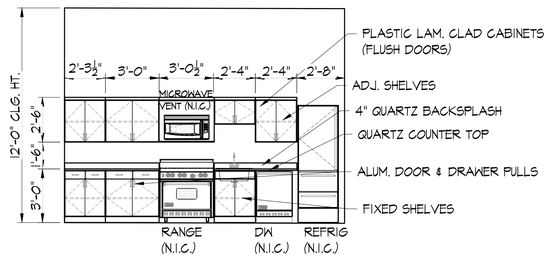
2 WOMENS R.R. LAVS
SCALE: 1/4" = 1'-0"
RE: A-200



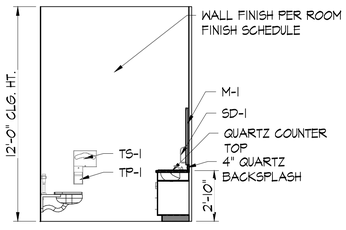
3 WOMENS R.R. TOILETS
SCALE: 1/4" = 1'-0"
RE: A-200



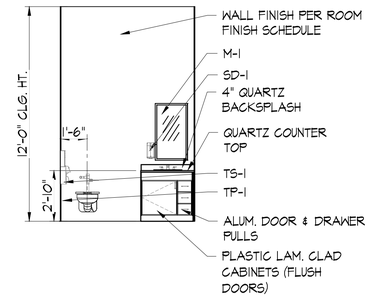
4 PASTOR R.R.
SCALE: 1/4" = 1'-0"
RE: A-200



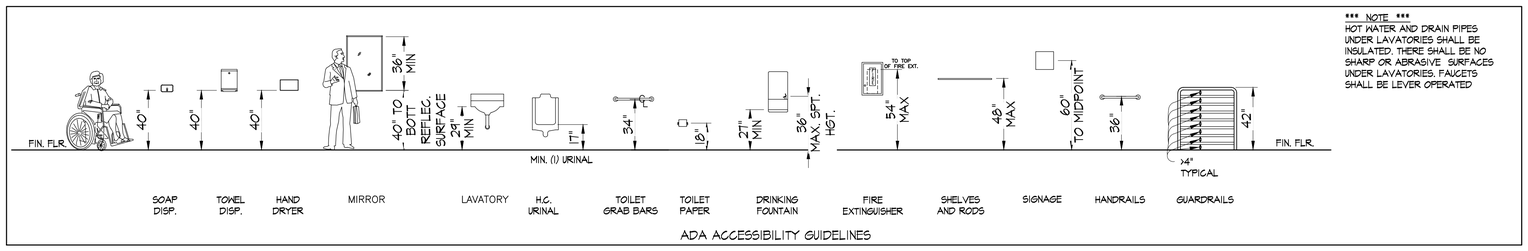
5 MULTI-PURPOSE ROOM CABINET LINE
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RE: A-200 / A-403



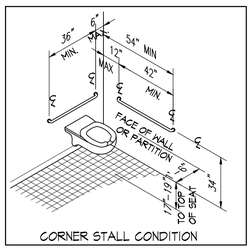
6 PASTORS WIFE R.R.
SCALE: 1/4" = 1'-0"
RE: A-200



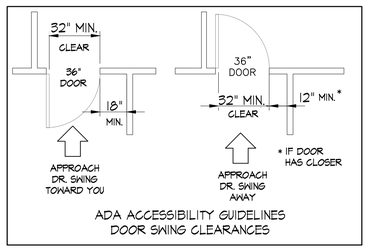
7 R.R. #120
SCALE: 1/4" = 1'-0"
RE: A-200



ADA ACCESSIBILITY GUIDELINES



CORNER STALL CONDITION



ADA ACCESSIBILITY GUIDELINES
DOOR SWING CLEARANCES

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Architect
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

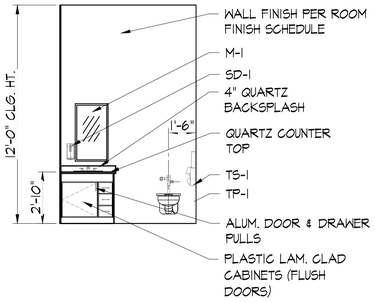
BARRY D. KING REG. NO. 31754 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

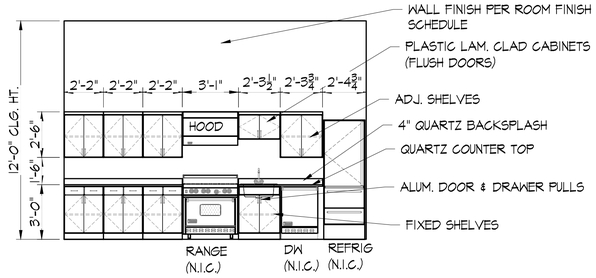
INTERIOR ELEVATIONS
BASE BID

CH-A-400

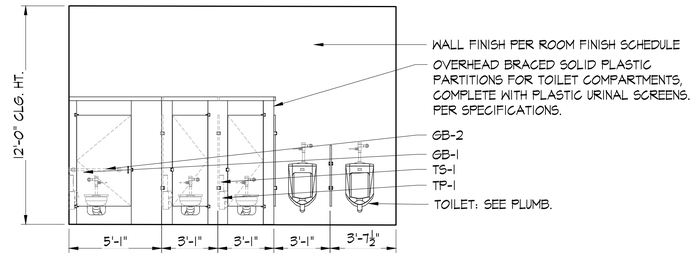
KAI # 2316 / PRINT DATE 8/25/25



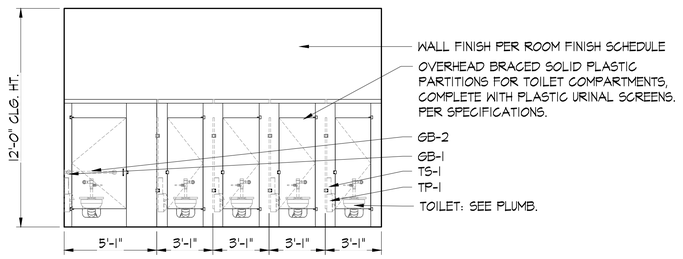
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RE: A-200



2 BREAK ROOM CABINET LINE
SCALE: 1/4" = 1'-0"
RE: A-200

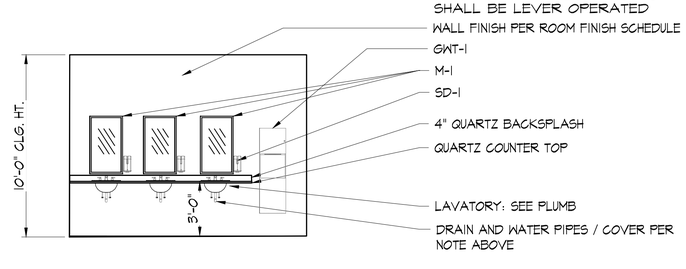


3 MENS R.R. TOILETS
SCALE: 1/4" = 1'-0"
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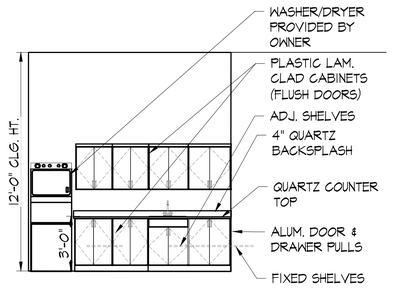


4 WOMEN R.R. 129
SCALE: 1/4" = 1'-0"
RE: A-200

*** NOTE ***
HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. FAUCETS SHALL BE LEVER OPERATED



5 WOMEN R.R. 129 LAVS
SCALE: 1/4" = 1'-0"
RE: A-200



6 COMMUNION CLOSET
SCALE: 1/4" = 1'-0"
RE: A-200

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Architect
1312 Sampson St.
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JOB NO: 2316
DATE: MAR. 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

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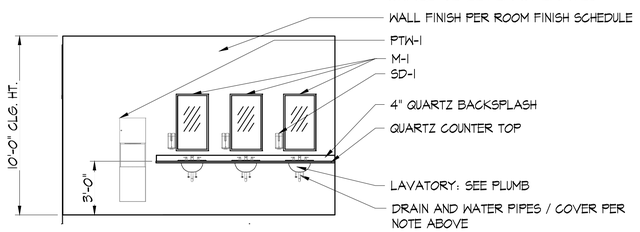
BARRY D. KING REG. NO. 31315 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

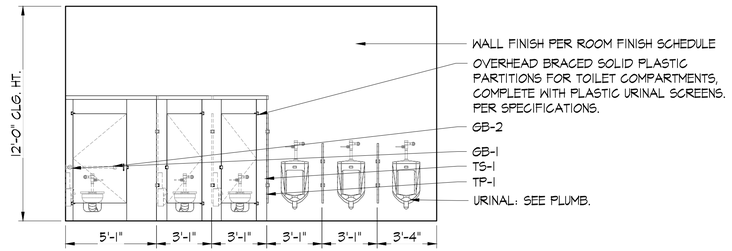
INTERIOR ELEVATIONS
BASE BID

CH-A-401
KAI # 2316 / PRINT DATE 8/20/25

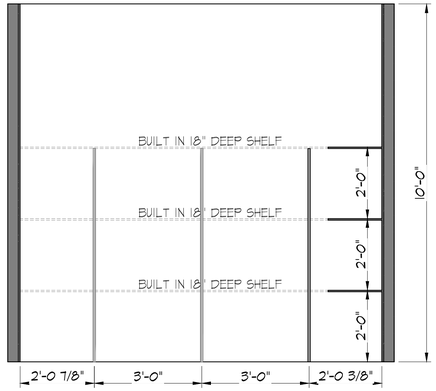
*** NOTE ***
HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. FAUCETS SHALL BE LEVER OPERATED



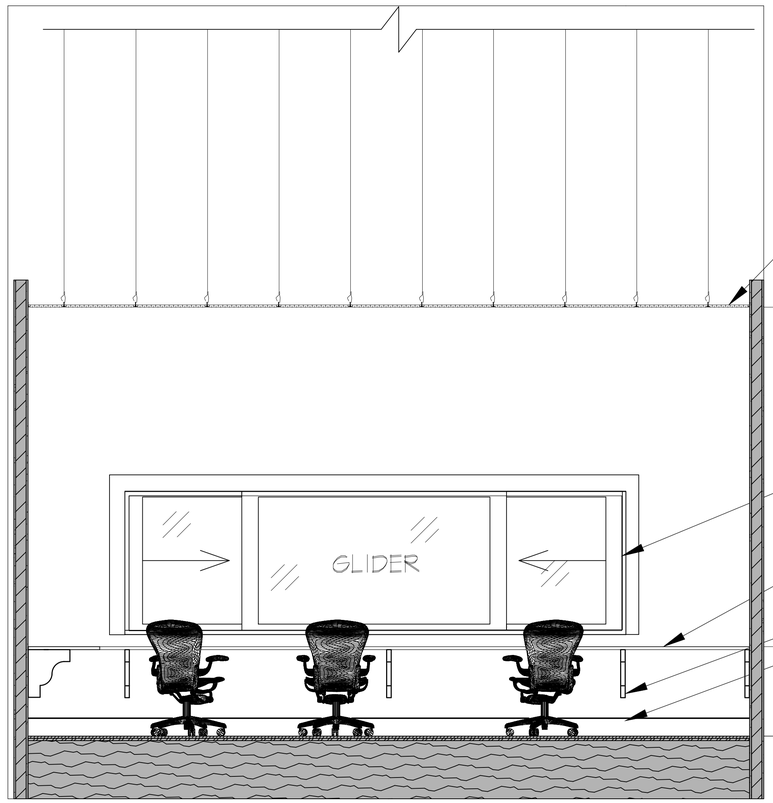
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SCALE: 1/4" = 1'-0"
RE: A-200



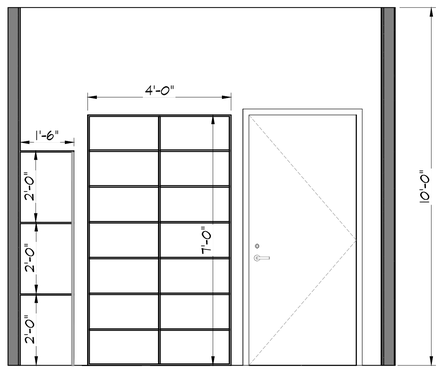
2 MENS R.R. 128
SCALE: 1/4" = 1'-0"
RE: A-200



4 COPY SUPPLY ROOM
SCALE: 1/2" = 1'-0"
RE: CH-A-402



6 SOUND BOOTH
SCALE:
RE:



5 COPY ROOM
SCALE: 1/2" = 1'-0"
RE: CH-A-402

FOR BIDS

PRINTED: 8/25/25

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Architect
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS
A FOR BIDS

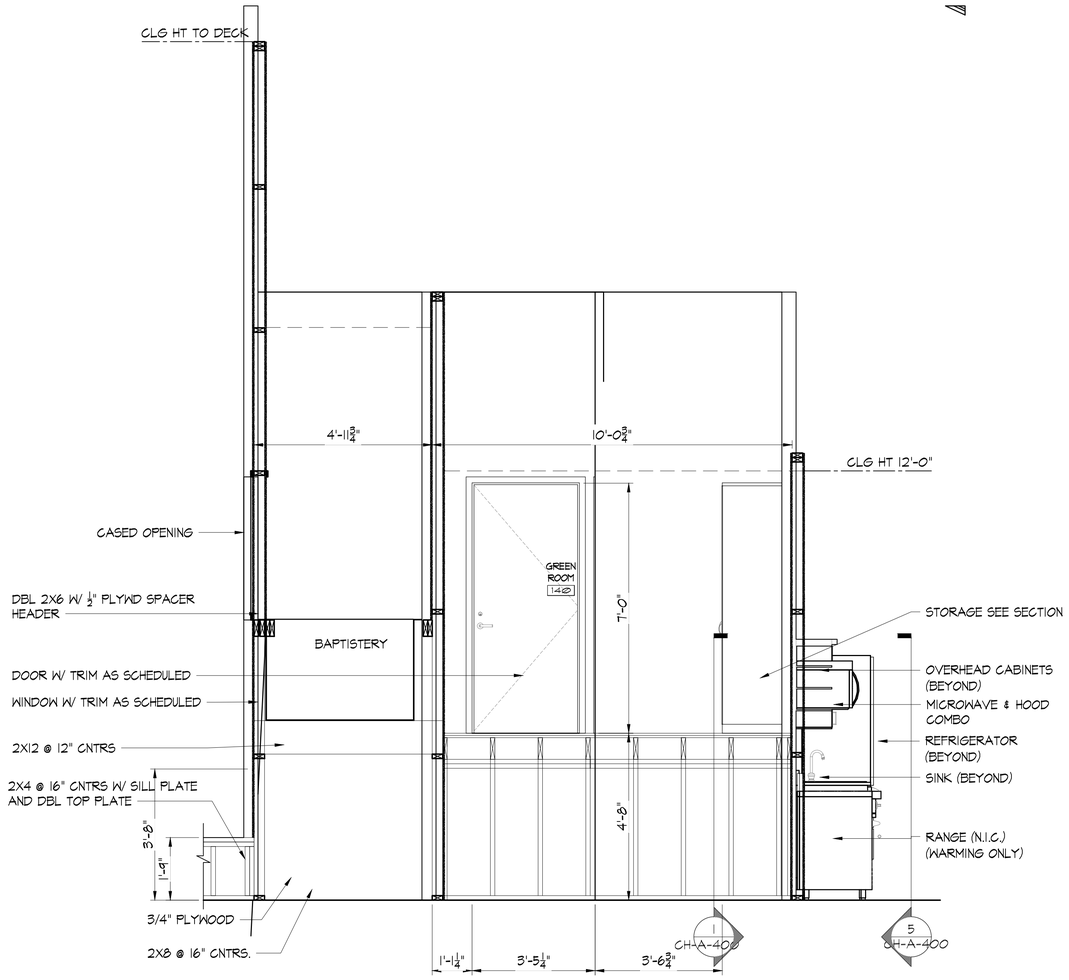
BARRY D. KING REG. NO. 37547 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

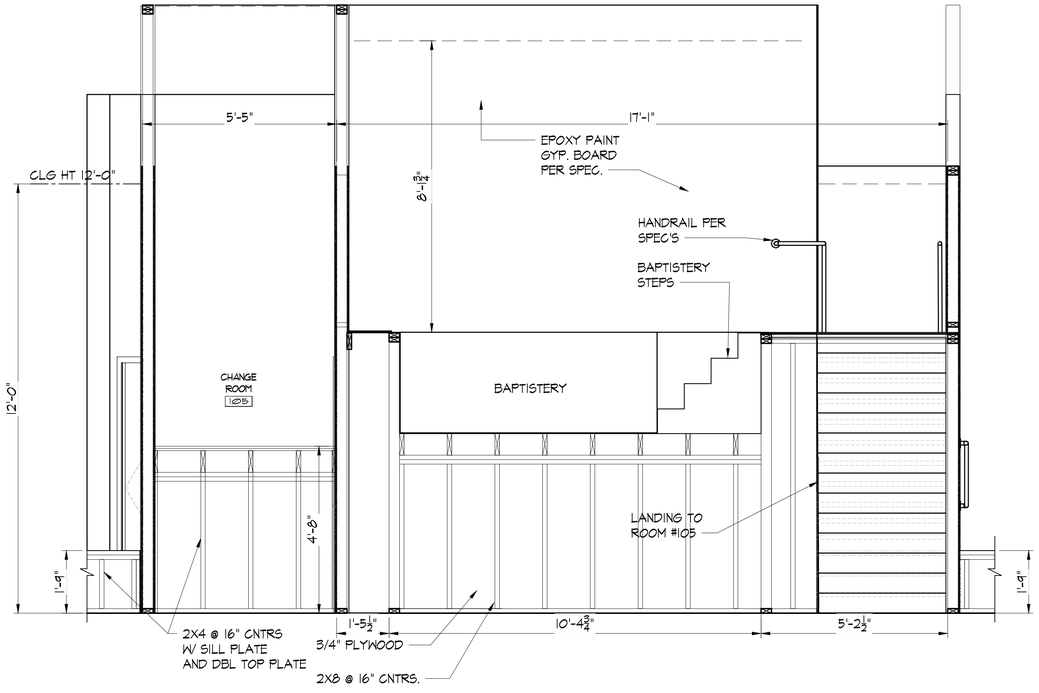
INTERIOR ELEVATIONS
BASE BID

CH-A-402

KAI # 2316 / PRINT DATE 8/25/25



1 SECTION A-A
SCALE: 1/2" = 1'-0"
RE: A-200



2 SECTION B-B
SCALE: 1/2" = 1'-0"
RE: A-304

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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS
A FOR BIDS

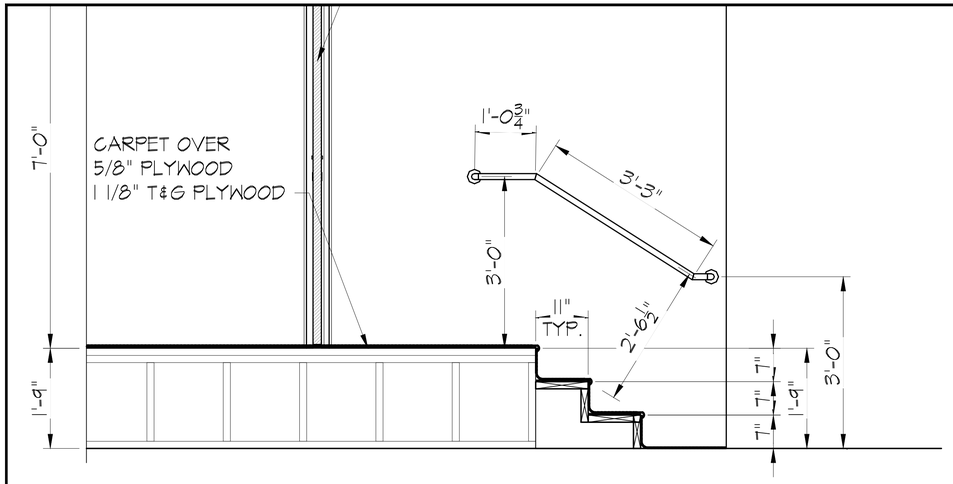
BARRY D. KING REG. NO. 37547 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

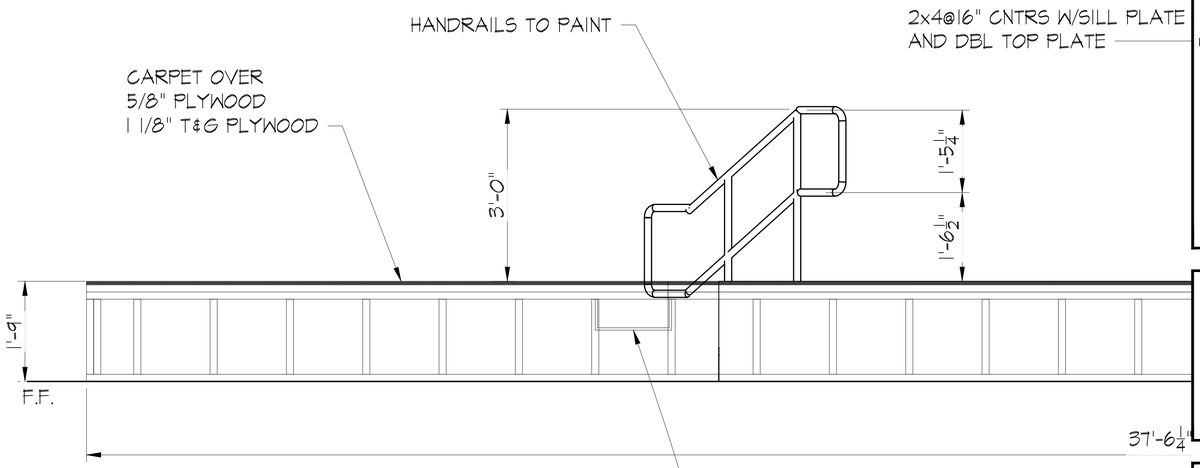
INTERIOR SECTIONS
BASE BID

CH-A-403

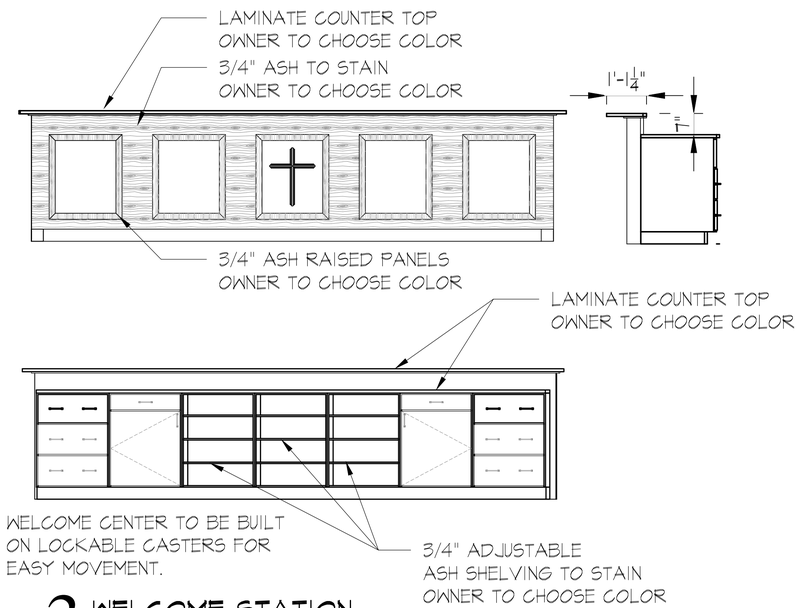
KAI # 2316 / PRINT DATE 8/25/25



SECTION C-C
SCALE: 1/2" = 1'-0"
RE: CH-A-404



2 SECTION D-D
SCALE: 20 1/256" = 1'-0"
RE: A-200



3 WELCOME STATION
SCALE: 1/2" = 1'-0"
RE: CH-A-404

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

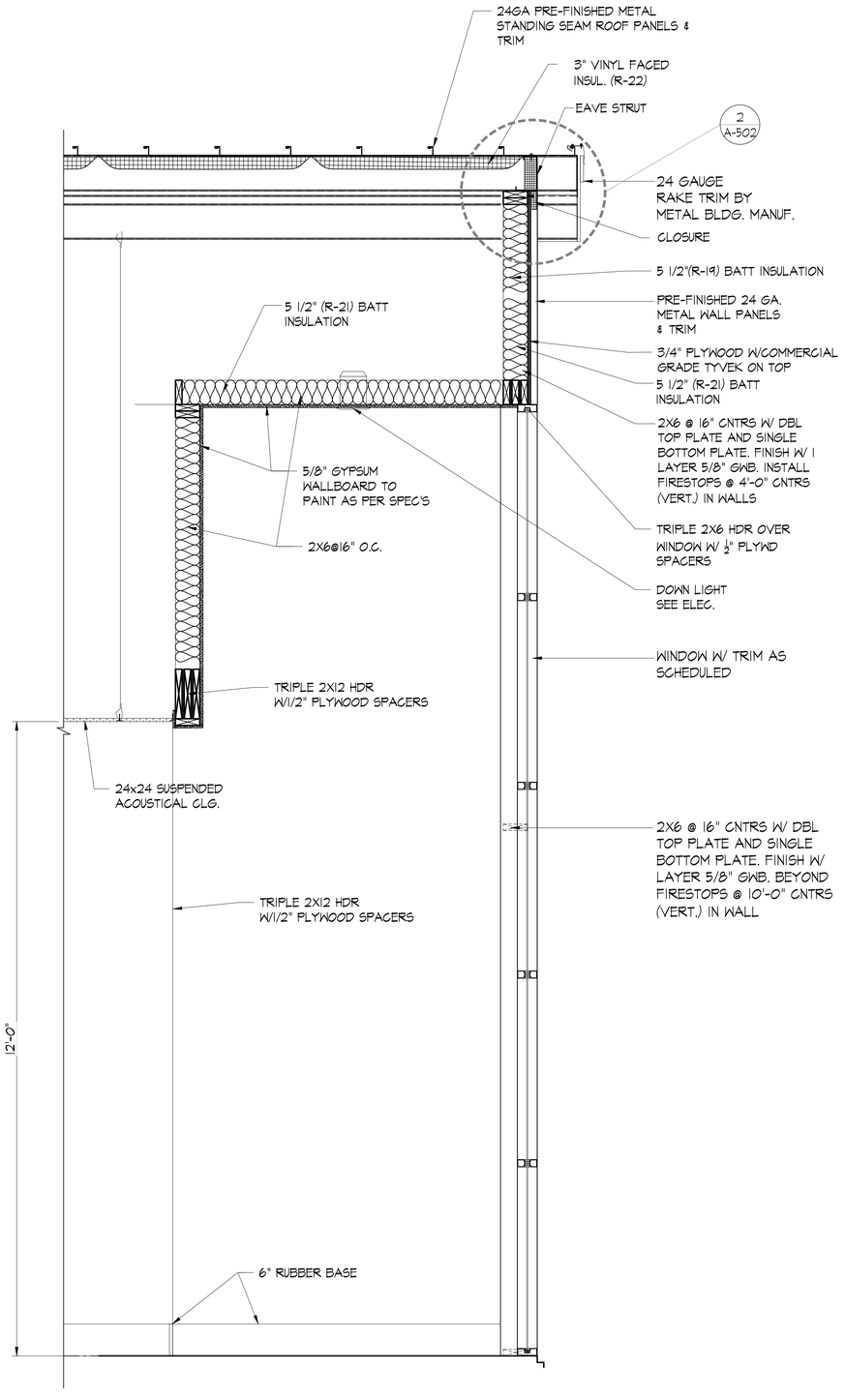
BARRY D. KING REG. NO. 35758 STATE OF LOUISIANA REGISTERED ARCHITECT

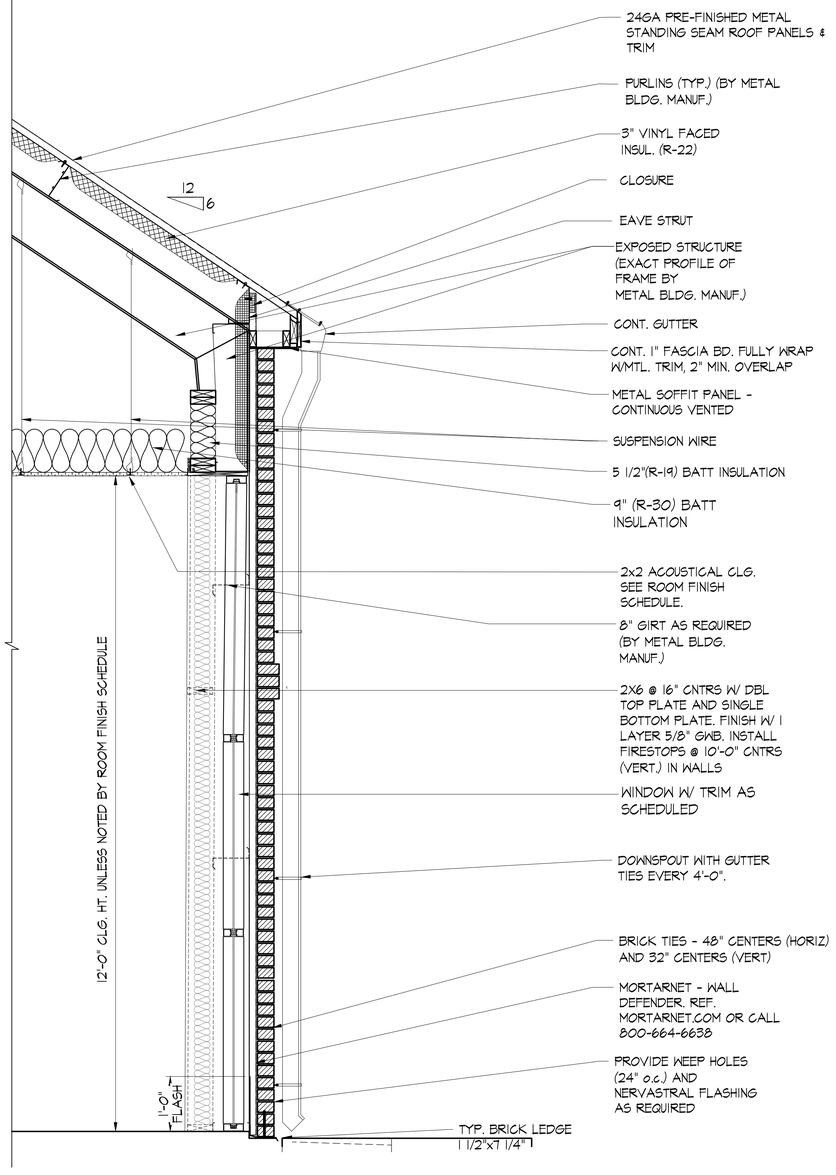
GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

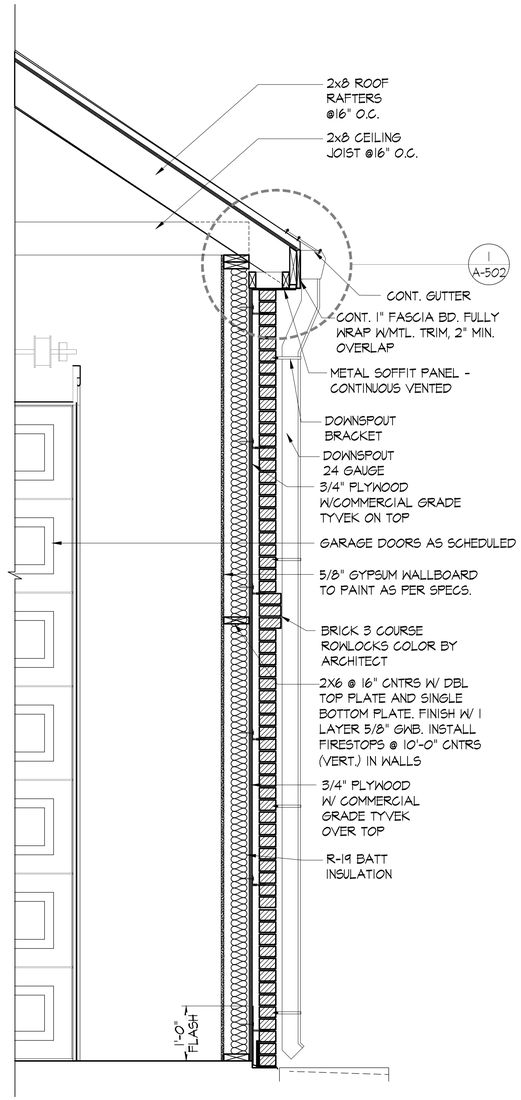
INTERIOR
SECTIONS
BASE BID

CH-A-404

KAI # 2316 / PRINT DATE 8/20/25







1 WALL SECTION A
SCALE:3/4" = 1'-0"
RE: A-200

2 WALL SECTION B
SCALE:3/4" = 1'-0"
RE: A-200

3 WALL SECTION C
SCALE:3/4" = 1'-0"
RE: A-200

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JOB NO: 2316
DATE: APR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

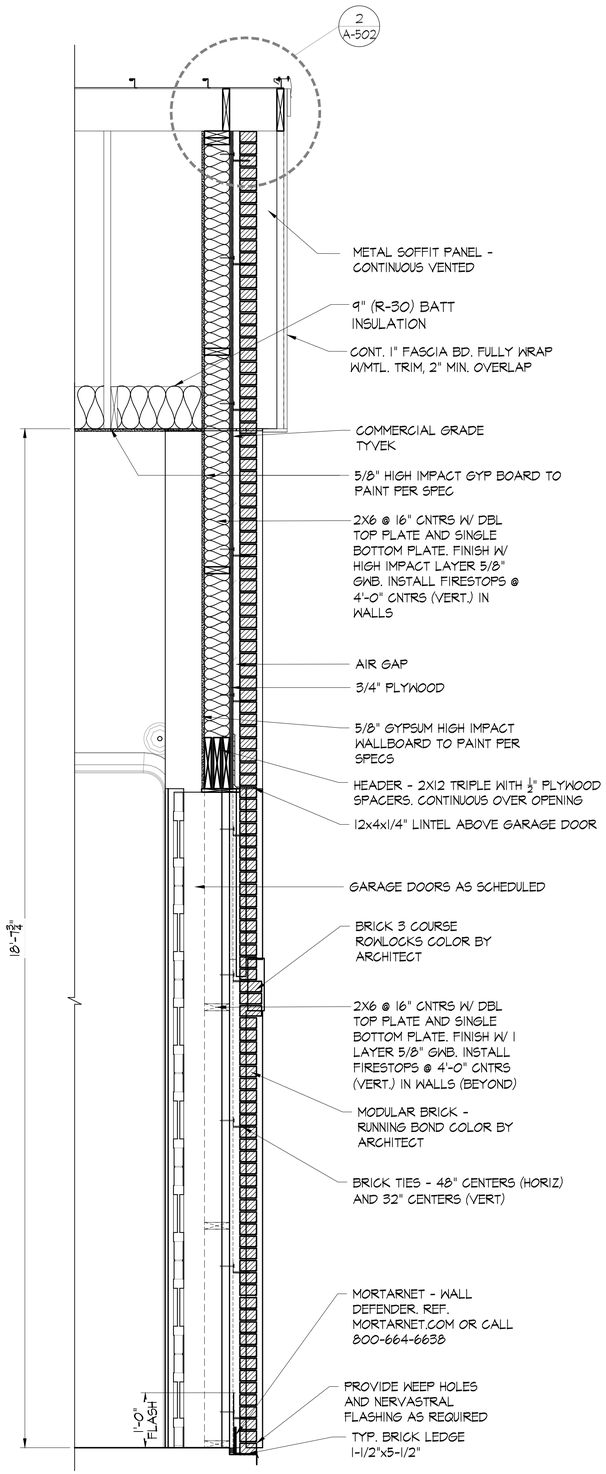
BARRY D. KING REG. NO. 3735 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

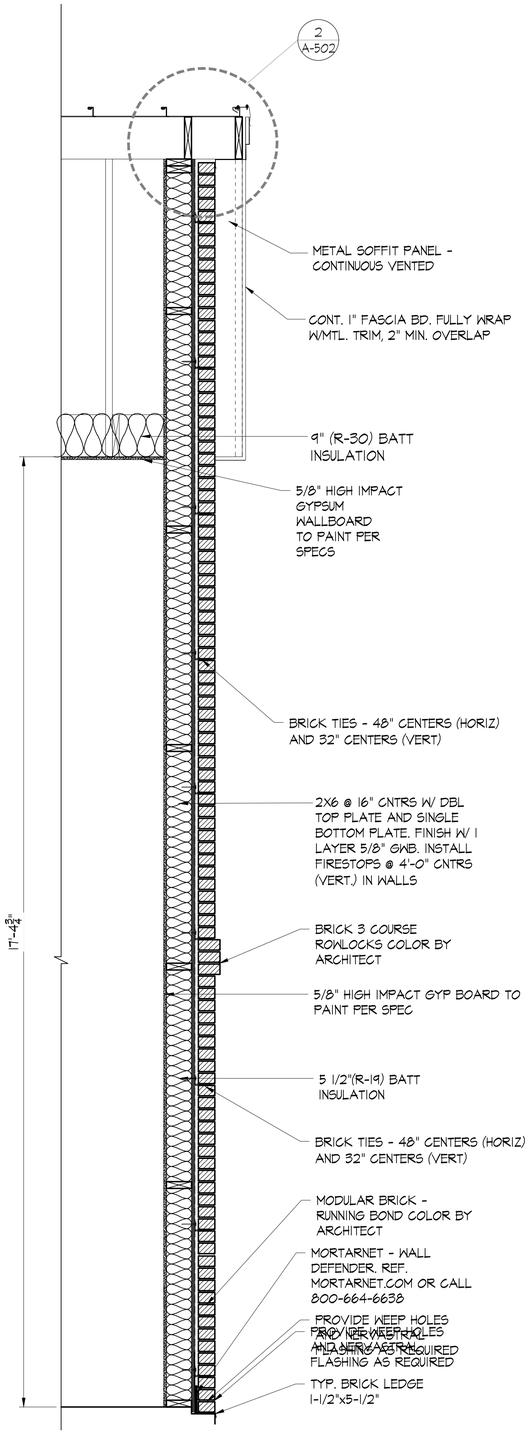
WALL SECTIONS
BASE BID

CH-A-500

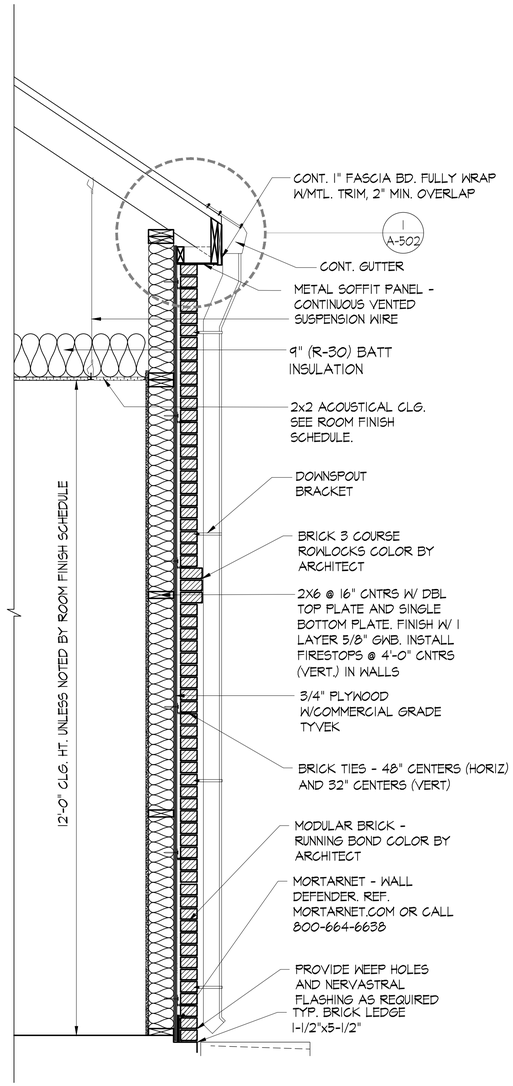
KAI # 2316 / PRINT DATE 8/20/25



1 WALL SECTION D
SCALE:3/4" = 1'-0"
RE: A-200



2 WALL SECTION E
SCALE:3/4" = 1'-0"
RE: A-200



3 WALL SECTION F
SCALE:3/4" = 1'-0"
RE: A-200

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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
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REVISIONS

A	FOR BIDS

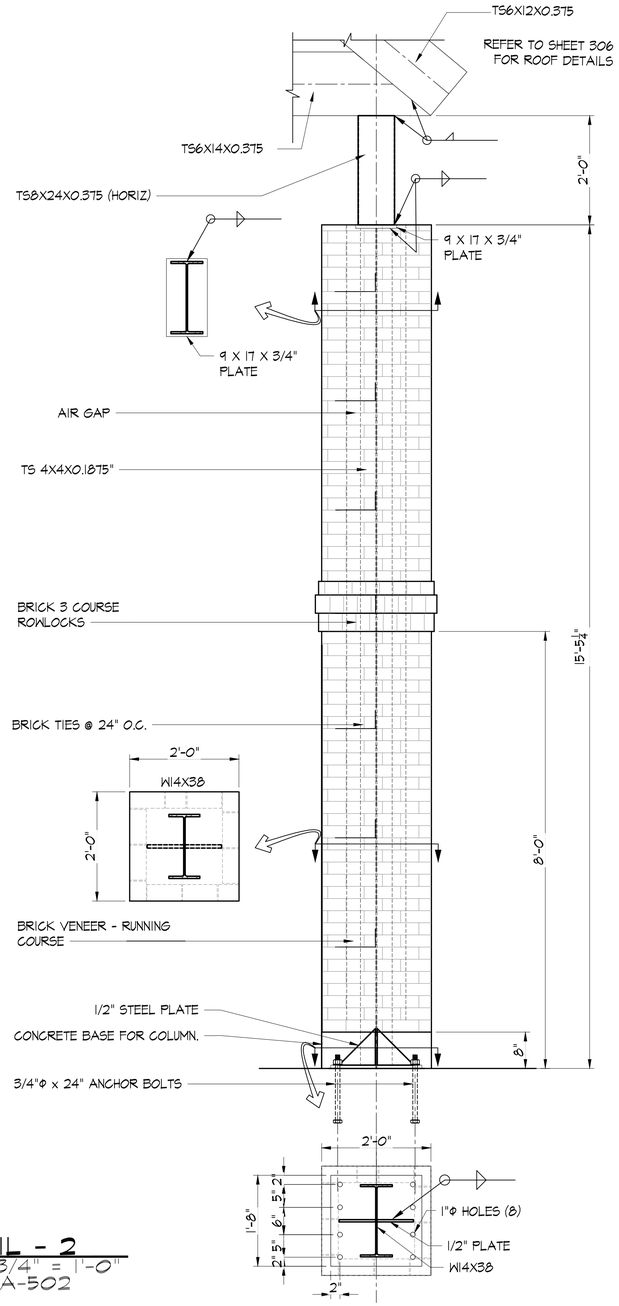
BARRY D. KING REG. NO. 35 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

WALL SECTIONS
BASE BID

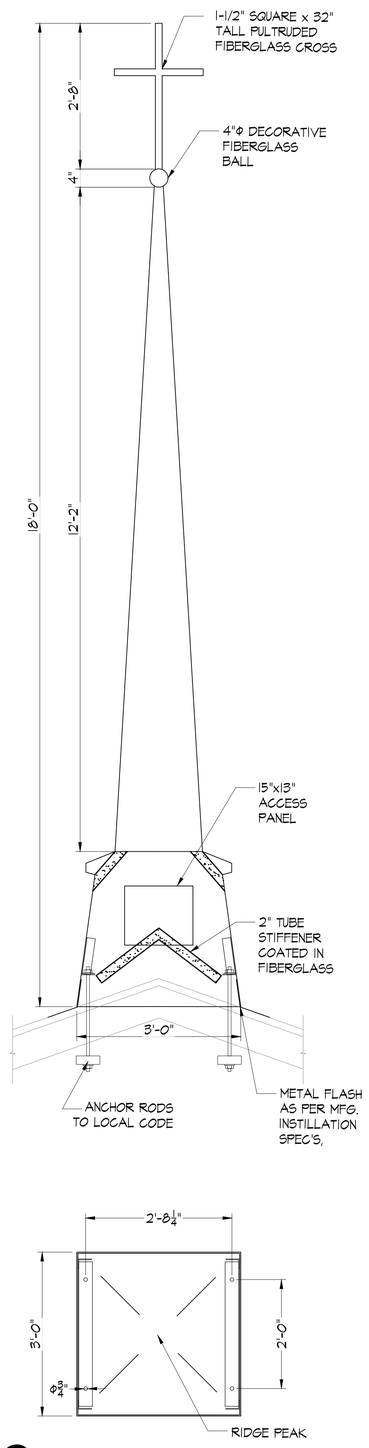
CH-A-501

KAI # 2316 / PRINT DATE 8/20/25



1 DETAIL - 2
SCALE:3/4" = 1'-0"
RE: CH-A-502

**STEEPLE TO BE RATED FOR 140 MPH WIND LOAD. SEE SPECIFICATION FOR DETAILS AND MANUFACTURER OF STEEPLE.



2 STEEPLE
SCALE:3/4" = 1'-0"
RE:

KING architects INC.
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Architect
1312 Sampson St.
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DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

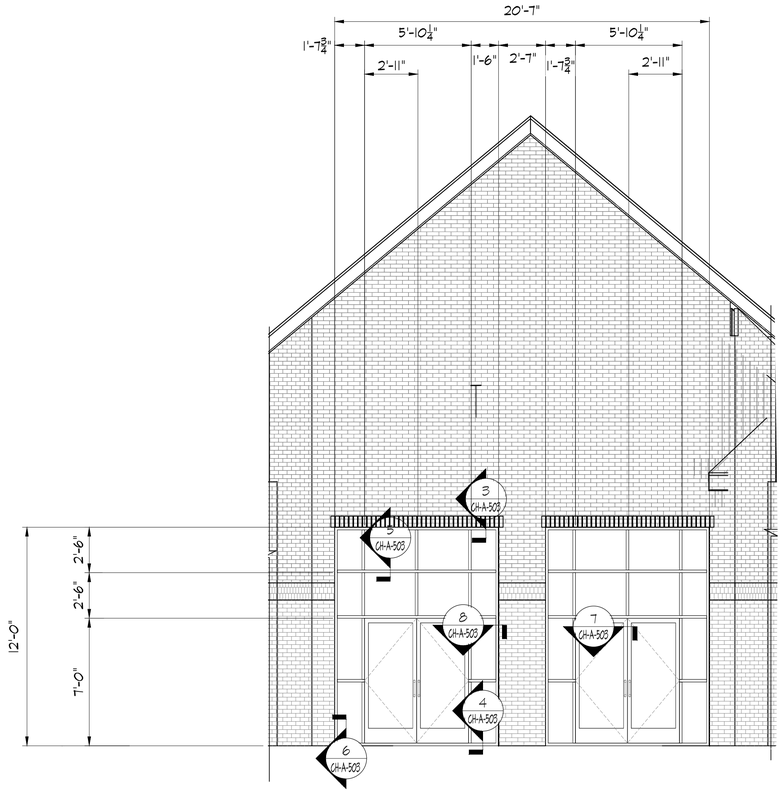
BARRY D. KING REG. NO. 31758 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

MISC DETAILS
BASE BID

CH-A-502

KAI # 2316 / PRINT DATE 8/20/25



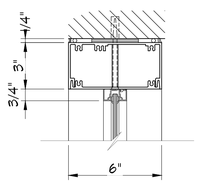
1 PARTIAL WEST ELEVATION FRONT ENTRANCE
SCALE: 1/4" = 1'-0"
RE:

NOTE:

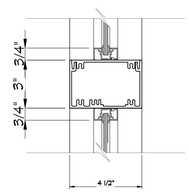
ALUMINUM STOREFRONT SYSTEM
TO BE KAWNEER FLUSH GLAZE SYSTEM

STOREFRONT DOORS TO BE MEDIUM STILE,
STANDARD CONCEALED VERTICAL ROD PANICS,
W/ STANDARD OVERHEAD CLOSER
AND OFFSET PIVOTS

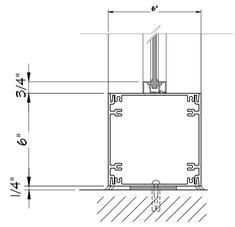
EXTERIOR GLASS TO BE 1" INSULATED
W/ BRONZE TINTED, TEMPERED SAFETY GLASS
AS REQUIRED BY CODE.



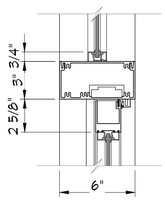
2 HEAD
SCALE: 3/4" = 1'-0"
RE:



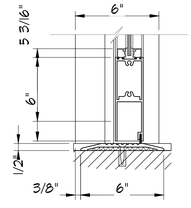
3 MULLION
SCALE: 3/4" = 1'-0"
RE:



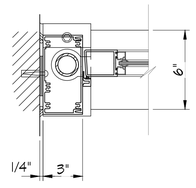
4 SILL
SCALE: 3/4" = 1'-0"
RE:



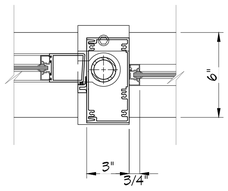
5 DR HEAD
SCALE: 3/4" = 1'-0"
RE:



6 DR THRESHOLD
SCALE: 3/4" = 1'-0"
RE:



7 JAMB @ WALL
SCALE: 3/4" = 1'-0"
RE:



8 JAMB @ DRS
SCALE: 3/4" = 1'-0"
RE:

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
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JOB NO: 2316
DATE: MAR. 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

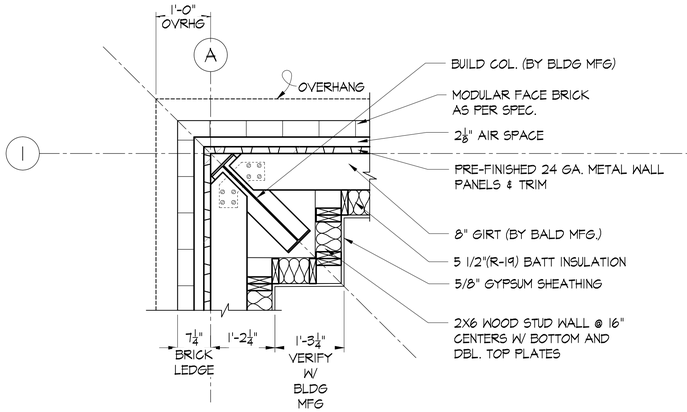
BARRY D. KING REG. NO. 31158 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

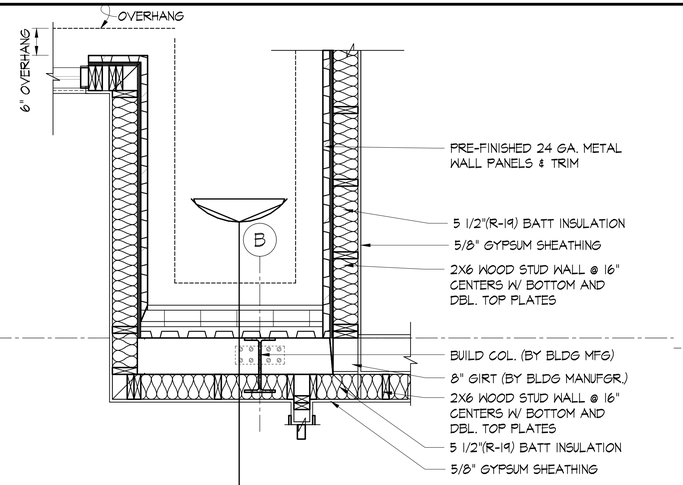
ENTRANCE
WALL
BASE BID

CH-A-503

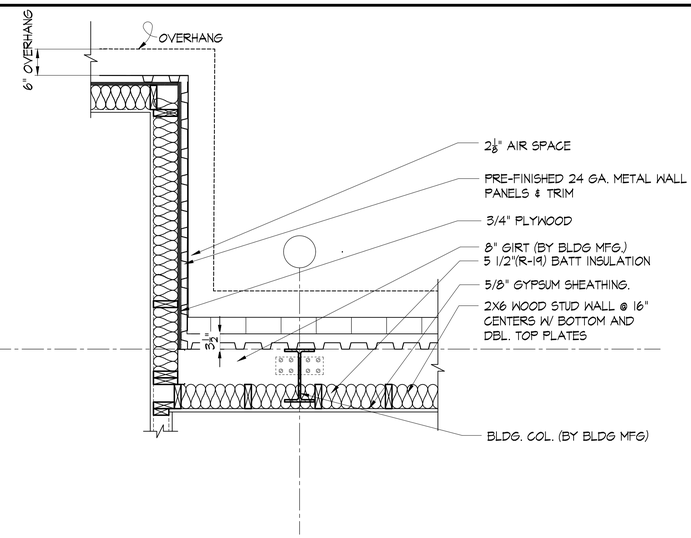
KAI # 2316 / PRINT DATE 8/20/25



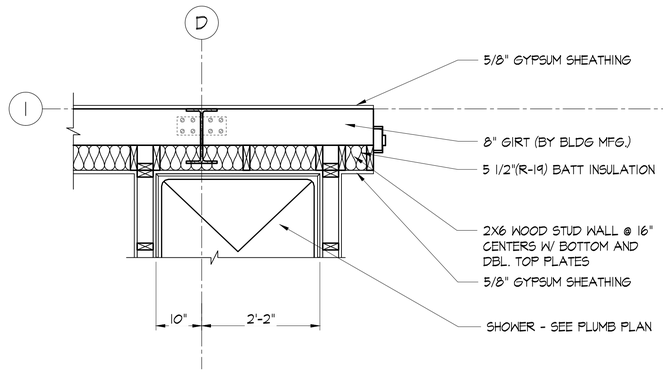
1 PLAN SECTION 1
SCALE: 3/4" = 1'-0"
RE: CH-A-200



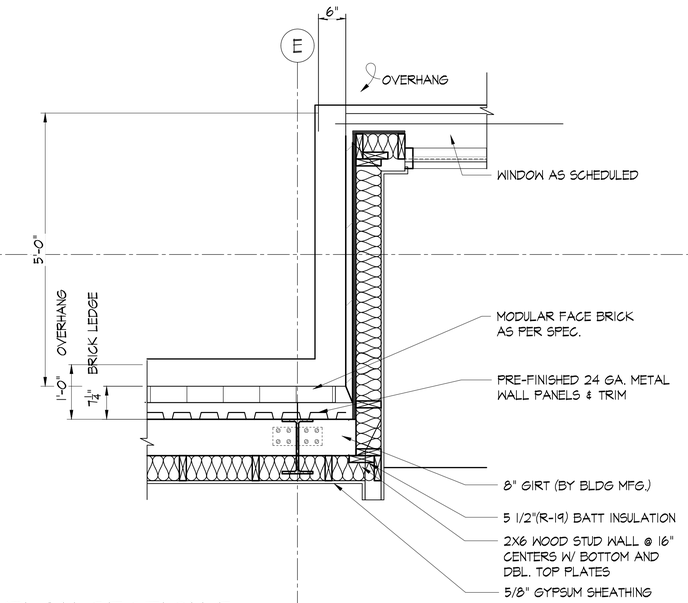
2 PLAN SECTION 2
SCALE: 19/256" = 1'-0"
RE: CH-A-200



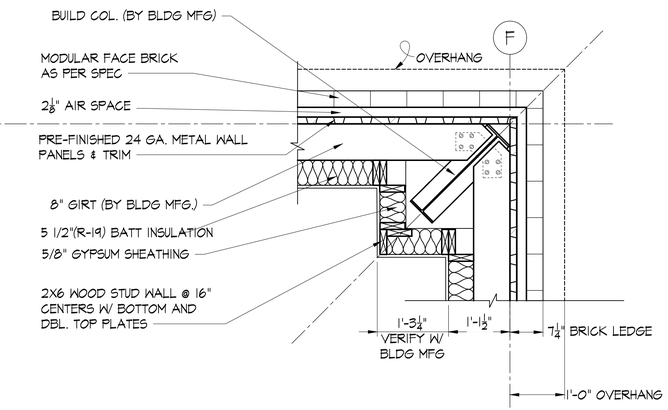
3 PLAN SECTION 3
SCALE: 185/256" = 1'-0"
RE: CH-A-200



4 PLAN SECTION 4
SCALE: 3/4" = 1'-0"
RE: CH-A-200



5 PLAN SECTION 5
SCALE: 3/4" = 1'-0"
RE: CH-A-200



6 PLAN SECTION 6
SCALE: 3/4" = 1'-0"
RE: CH-A-200

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Architect
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

BARRY D. KING REG. NO. 28756 STATE OF LOUISIANA REGISTERED ARCHITECT

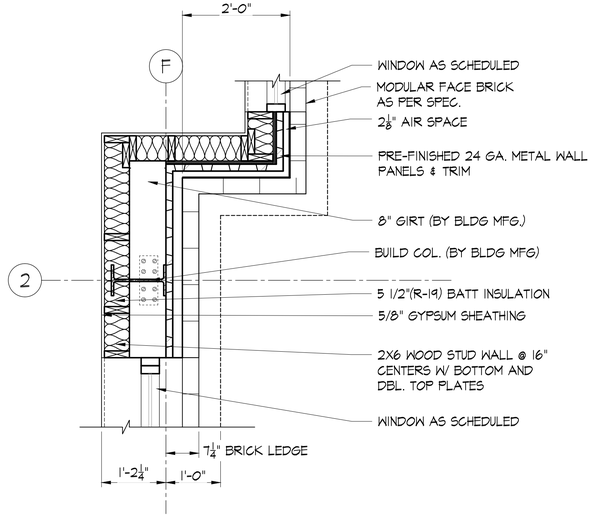
GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ENLARGED DETAILS - PLAN SECTIONS

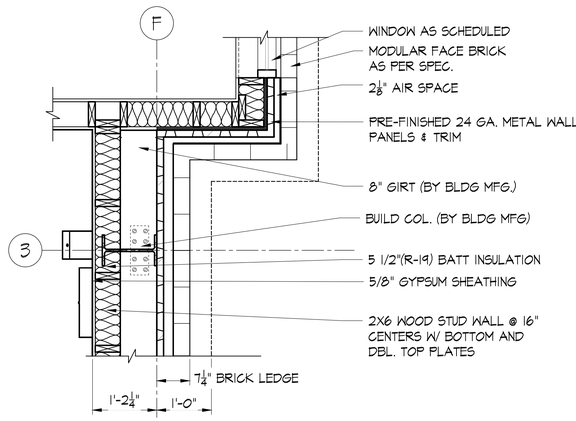
BASE BID

CH-A-600

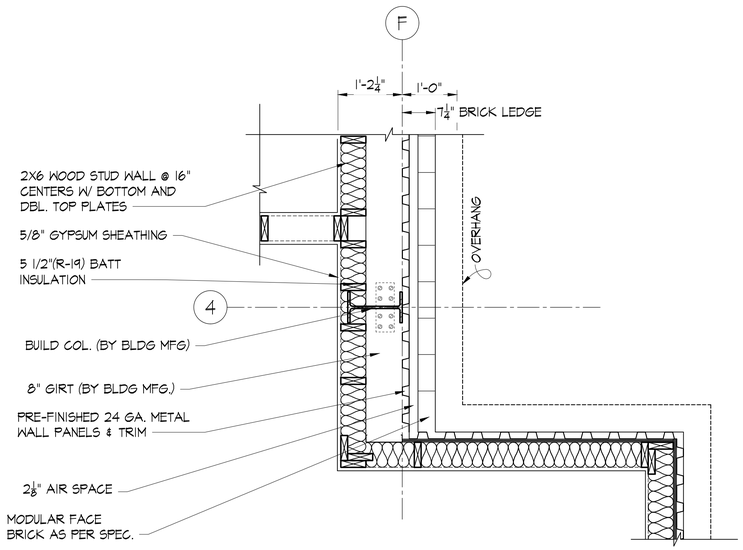
KAI # 2316 / PRINT DATE 8/20/25



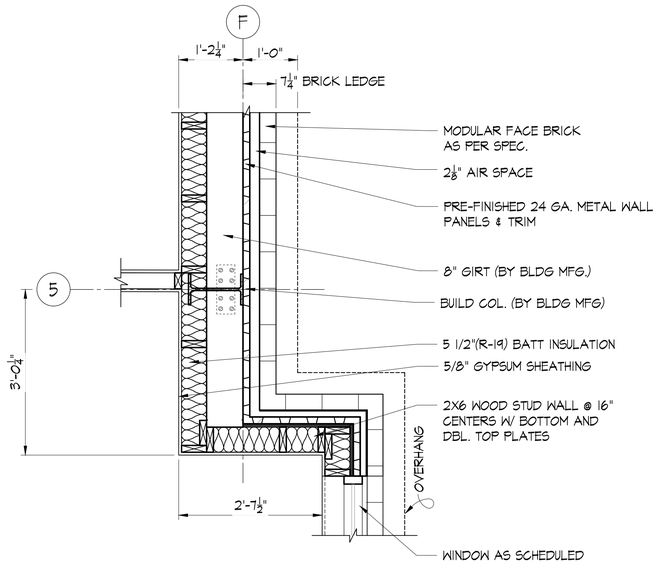
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RE: CH-A-200



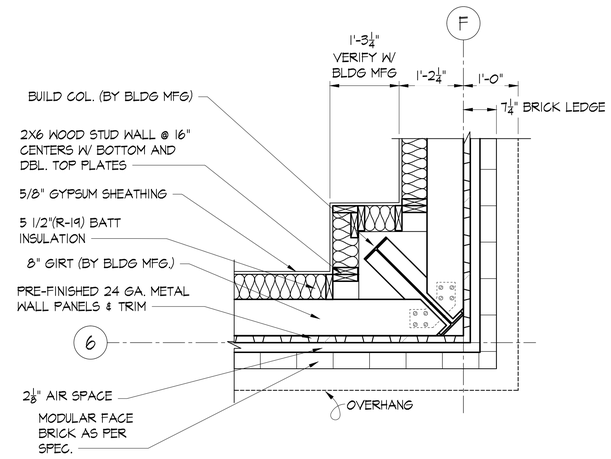
2 PLAN SECTION 8
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RE: CH-A-200



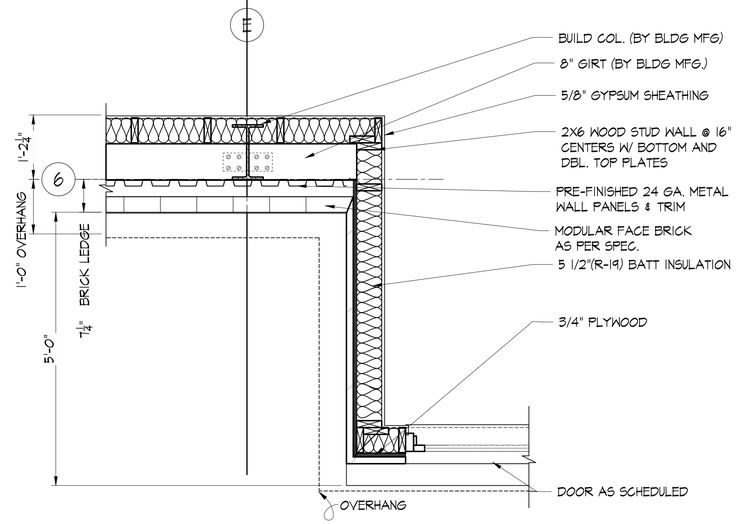
3 PLAN SECTION 9
SCALE:3/4" = 1'-0"
RE: CH-A-200



4 PLAN SECTION 10
SCALE:3/4" = 1'-0"
RE: CH-A-200



5 PLAN SECTION 11
SCALE:3/4" = 1'-0"
RE: CH-A-200



6 PLAN SECTION 12
SCALE:3/4" = 1'-0"
RE: CH-A-200

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JOB NO: 2316
DATE: MAR. 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

BARRY D. KING REG. NO. 35155 STATE OF LOUISIANA REGISTERED ARCHITECT

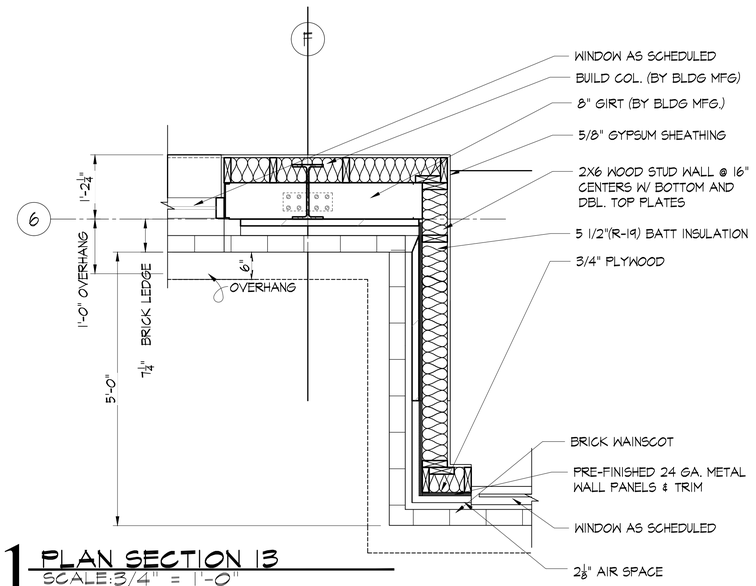
GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ENLARGED DETAILS - PLAN SECTIONS

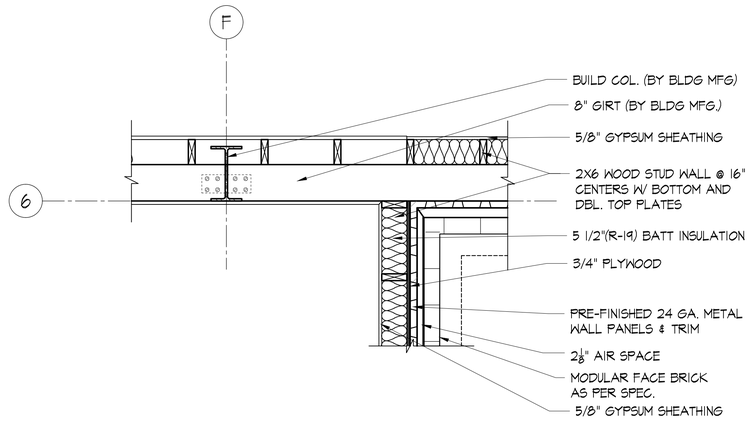
BASE BID

CH-A-601

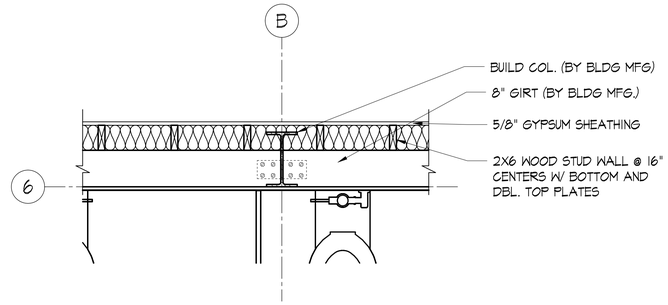
KAI # 2316 / PRINT DATE 8/20/25



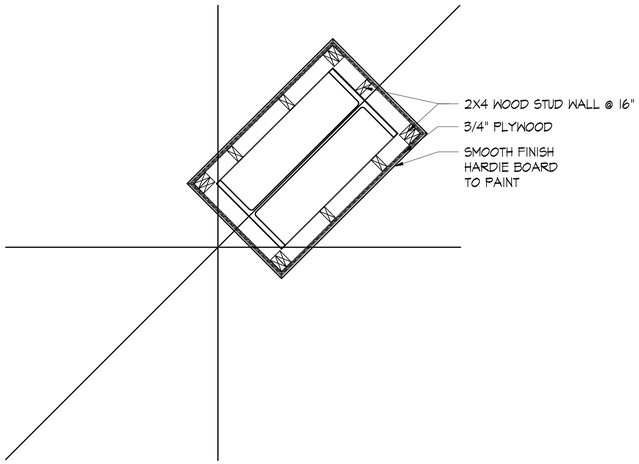
1 PLAN SECTION 13
SCALE:3/4" = 1'-0"
RE: CH-A-200



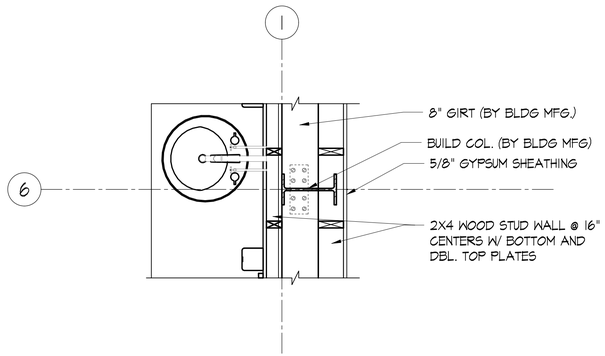
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RE: CH-A-200



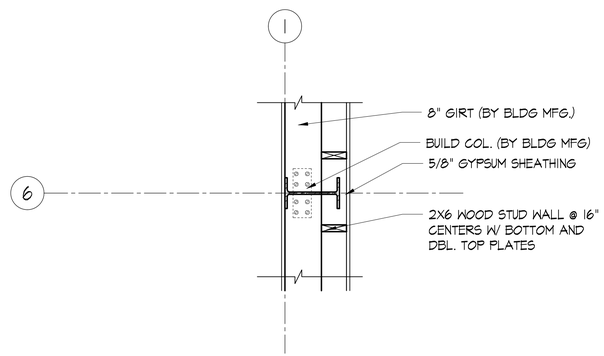
3 PLAN SECTION 15
SCALE:3/4" = 1'-0"
RE: CH-S-200



4 PLAN SECTION 16
SCALE:3/4" = 1'-0"
RE: CH-A-200



5 PLAN SECTION 17
SCALE:3/4" = 1'-0"
RE: CH-A-200



6 PLAN SECTION 18
SCALE:3/4" = 1'-0"
RE: CH-A-200

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

BARRY D. KING REG. NO. 33158 REGISTERED ARCHITECT STATE OF LOUISIANA

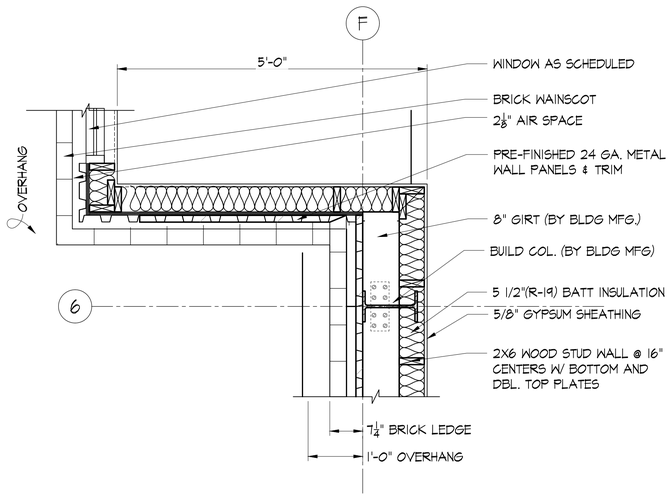
GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ENLARGED DETAILS - PLAN SECTIONS

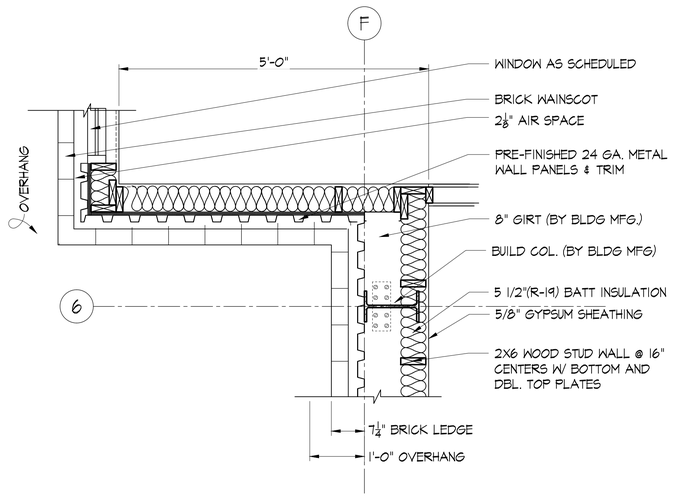
BASE BID

CH-A-602

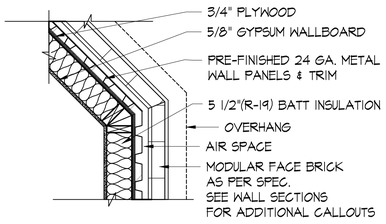
KAI # 2316 / PRINT DATE 8/20/25



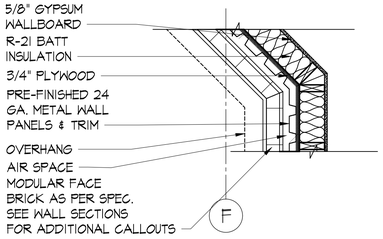
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RE: CH-A-200



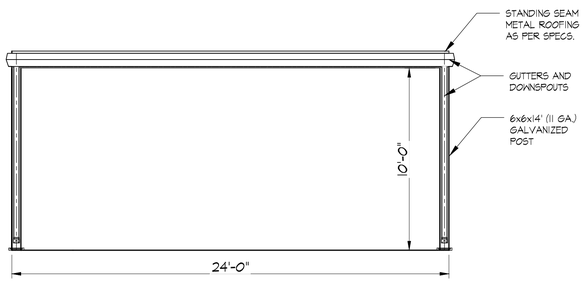
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RE: CH-A-200



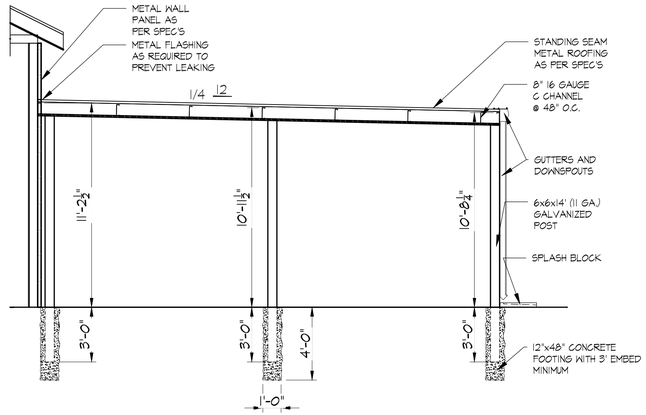
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SCALE:3/4" = 1'-0"
RE: CH-A-200



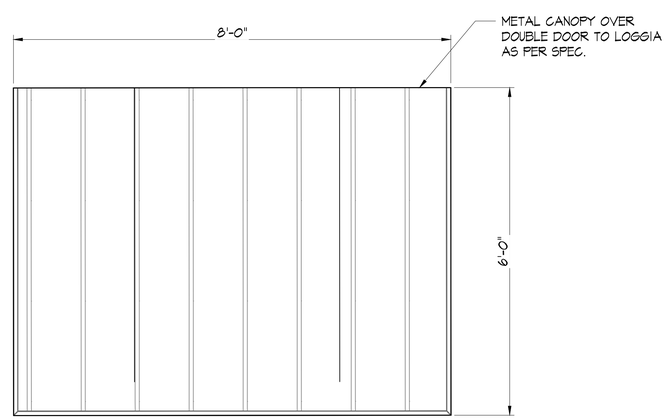
3 PLAN SECTION 21
SCALE:3/4" = 1'-0"
RE: CH-A-200



5 COVERED PARKING
SCALE:1/4" = 1'-0"
RE: CH-A-603



6 COVERED PARKING DETAILS
SCALE:1/4" = 1'-0"
RE: CH-A-603



7 PLAN SECTION 23
SCALE:3/4" = 1'-0"
RE: CH-A-200

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

BARRY D. KING REG. NO. 31328 STATE OF LOUISIANA REGISTERED ARCHITECT

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ENLARGED DETAILS - PLAN SECTIONS

BASE BID

CH-A-603

KAI # 2316 / PRINT DATE 8/20/25

SCHEDULE OF ROOM FINISHES-

RM #	ROOM NAME	FLOOR			BASE	WALLS		CLG			CLG HT			REMARKS
		CONCRETE- SMOOTH FINISH AND SEALED	PATCRAFT METAL COLLECTIVE	WOOD GRAIN L.V.T.	RUBBER COVE (6")	5/8" GWB - TAPE & FLOAT	5/8" GWB - TAPE, FLOAT & PAINT	ARMSTRONG #1717 FINE FISSURED 24"X24"X5/8" LAY-IN	NONE	TO DECK W/ SIMPLE SAVOR	10'-0"	12'-0"	TO STRUCTURE W/ SIMPLE SAVER	
100	LOBBY		●		●		●			●			●	
101	SOUND BOOTH			●	●		●	●				●		
103	STAGE			●	●		●			●			●	
104	GREEN ROOM			●	●		●	●			●			
105	CHANGE ROOM			●	●		●	●			●			
106	CHANGE ROOM			●	●		●	●			●			
107	MULTI-PURPOSE ROOM			●	●		●	●				●		
108	MECH	●			●	●			●				●	
109	PASTORS WIFE R.R		●		●		●	●				●		
110	PASTORS WIFE OFC			●	●		●	●				●		
111	CONFERENCE			●	●		●	●				●		
112	PASTORS R.R.			●	●		●	●				●		
113	PASTORS GARAGE	●			●		●					●		
114	PASTORS OFFICE			●	●		●	●				●		
115	R.R.		●		●		●	●				●		
116	ASSISTANT			●	●		●	●				●		
117	FINANCE			●	●		●	●				●		
118	COPY ROOM			●	●		●	●				●		
119	COPY SUPPLIES			●	●		●	●				●		
120	R.R.		●		●		●	●			●			
121	JAN	●			●	●		●					●	
122	MECH	●			●	●				●			●	
123	BREAK ROOM			●	●		●	●				●		
125	FLEX / CLASS			●	●		●	●			●			
126	MECH	●			●	●				●			●	
127	COMMUNION CLOSET			●	●		●	●			●			
128	MENS R.R.		●		●		●	●			●			
129	WOMEN R.R.		●		●		●	●			●			
130	JAN	●			●	●				●			●	
131	USHERS			●	●		●	●			●			
132	MECH	●			●	●				●			●	
133	FLEX / CLASS			●	●		●	●			●			
134	FLEX / CLASS			●	●		●	●			●			
135	COORIDOR			●	●		●	●				●		
136	NURSERY			●	●		●	●				●		
137	NURSERY R.R.			●	●		●	●				●		
138	CHOIR ROOM			●	●		●	●				●		
139	MECH	●			●	●				●			●	
140	MENS R.R.		●		●		●	●			●			
141	WOMENS R.R.		●		●		●	●			●			
142	MECH	●			●	●				●			●	
143	LOGGIA			●	●		●	●				●		
144	BAPTISTRY STAIRS			●	●		●	●			●			
145	NAVE			●	●		●			●			●	CARPET IN AISLE/WOOD GRAIN L.V.T.UNDER FURNITURE
150	NAVE			●	●		●			●			●	CARPET IN AISLE/WOOD GRAIN L.V.T.UNDER FURNITURE

KING architects INC.

Barry D. King, AIA,
Architect
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JOB NO: 2316
DATE: MAR, 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

BARRY D. KING — REG. NO. 31918 — STATE OF LOUISIANA — REGISTERED ARCHITECT

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

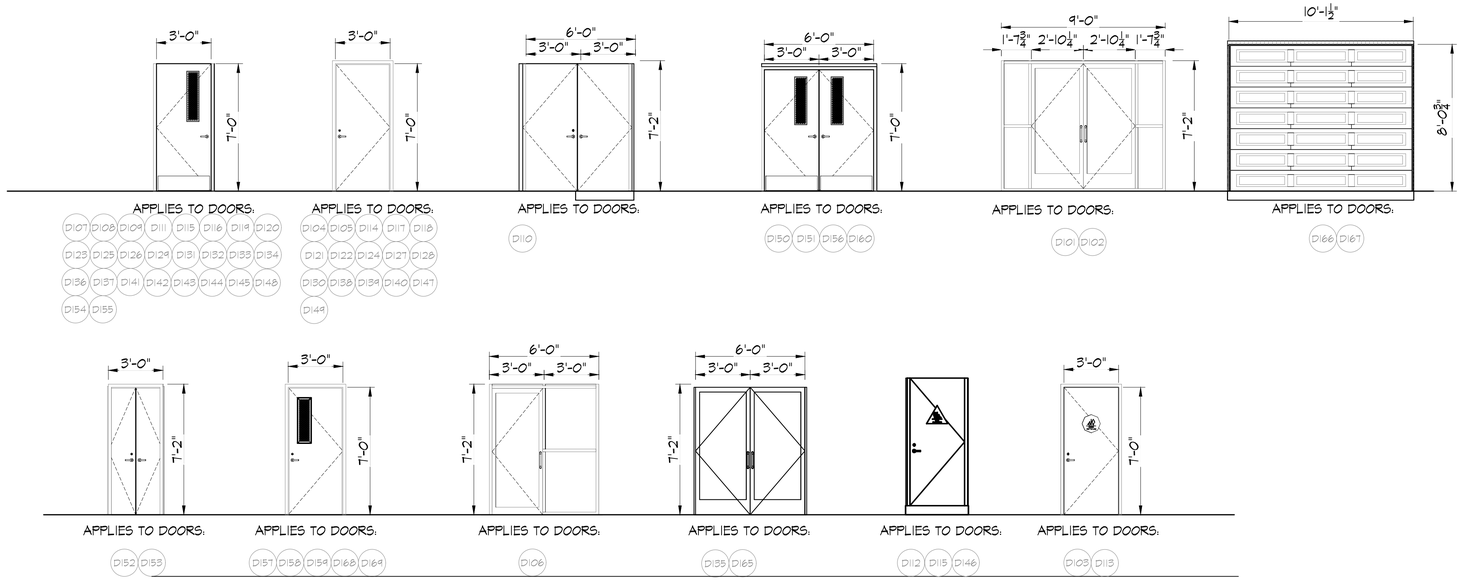
ROOM
FINISH
SCHEDULE
BASE BID

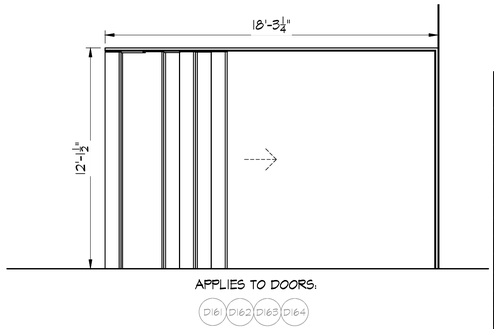
CH-A-800

KAI # 2316 / PRINT DATE 8/20/25

DOOR SCHEDULE

MARK	PANEL				FRAME	REMARKS
	WIDTH	HEIGHT	GLAZING	MATERIAL		
D101	9'-0"	7'-2"	FULL GLASS DARK TINT	ALUM.		-- LOCKABLE
D102	9'-0"	7'-2"	FULL GLASS DARK TINT	ALUM.		-- LOCKABLE
D103	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D104	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D105	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D106	6'-0"	7'-2"	FULL GLASS DARK TINT	ALUM.		-- LOCKABLE
D107	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D108	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D109	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D110	6'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D111	3'-0"	7'-0"	6"X27"WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D112	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D113	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D114	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D115	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		---LOCKABLE
D116	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D117	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D118	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D119	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D120	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D121	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D122	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D123	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D124	3'-0"	7'-0"	NO	SOLID CORE WOOD		ACCESS CONTROL
D125	3'-0"	7'-0"	6"X27"WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D126	3'-0"	7'-0"	6"X27"WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D127	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D128	3'-0"	7'-0"	NO	SOLID CORE WOOD		ACCESS CONTROL
D129	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D130	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D131	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D132	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D133	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D134	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D135	6'-0"	7'-0"	FULL GLASS DARK TINTED	ALUM.		ACCESS CONTROL
D136	3'-0"	7'-0"	6X27 WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D137	3'-0"	7'-0"	6X27 WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D138	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D139	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D140	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D141	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D142	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D143	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D144	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D145	3'-0"	7'-0"	6"X27"WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D146	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D147	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D148	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D149	3'-0"	7'-0"	NO	SOLID CORE WOOD		-- LOCKABLE
D150	6'-0"	7'-0"	6"X27" WIRD GLASS	SOLID CORE WOOD		-- LOCKABLE
D151	6'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D152	DBL. 1'-6"	7'-0"	NO	SOLID CORE WOOD		IT CLOSET
D153	DBL. 1'-6"	7'-0"	NO	SOLID CORE WOOD		IT CLOSET
D154	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D155	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D156	6'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D157	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		--LACKABLE--
D158	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		- LOCKABLE
D159	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D160	6'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		-- LOCKABLE
D161	19'-2"	7'-0"	NO	ACCORDION		-- LOCKABLE
D162	19'-2"	7'-0"	NO	ACCORDION		-- LOCKABLE
D163	19'-2"	7'-0"	NO	ACCORDION		-- LOCKABLE
D164	19'-2"	7'-0"	NO	ACCORDION		-- LOCKABLE
D165	6'-0"	7'-0"	FULL GLASS DARK TINT	ALUM.		ACCESS CONTROL
D166	10'-0"	8'-0"	NO	METAL		GARAGE DOOR
D167	10'-0"	8'-0"	NO	METAL		GARAGE DOOR
D168	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL
D169	3'-0"	7'-0"	6"X27" WIRE GLASS	SOLID CORE WOOD		ACCESS CONTROL





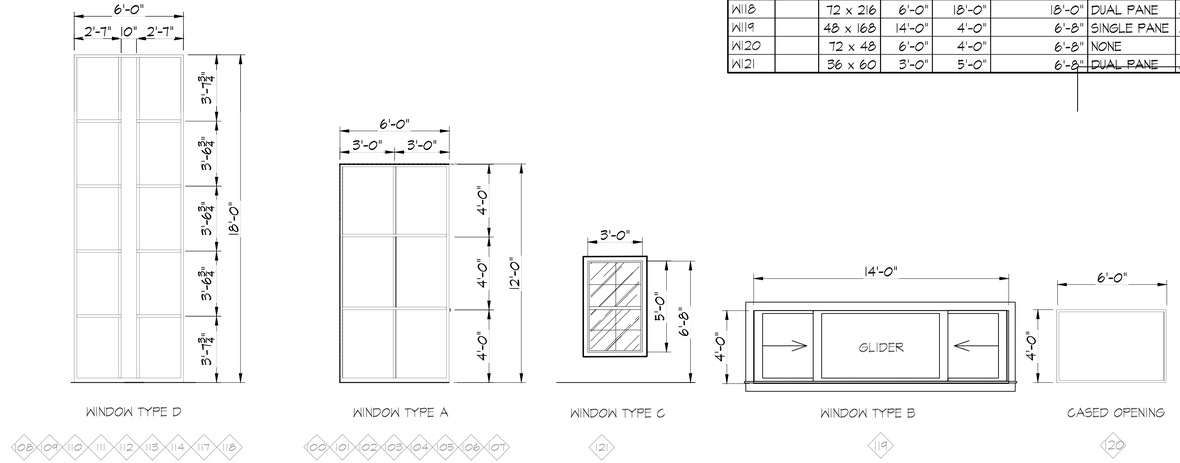
1 DOOR SCHEDULE

SCALE: 1/4" = 1'-0"
RE: CH-A-801

NOTE: ALL DOORS TO HAVE LEVER HANDLES AND REQUIRE ONE ACTION TO DISENGAGE LOCK

WINDOW SCHEDULE

MARK	TYPE	SIZE	WIDTH	HEIGHT	HEAD HEIGHT	GLAZING	MATERIAL	OPER.	REMARKS
W100		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W101		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W102		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W103		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W104		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W105		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W106		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W107		72 x 144	6'-0"	12'-0"	12'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W108		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W109		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W110		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W111		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W112		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W113		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W114		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W117		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W118		72 x 216	6'-0"	18'-0"	18'-0"	DUAL PANE	ALUMINUM CLAD	FIXED	3'x3' GRID
W119		48 x 168	14'-0"	4'-0"	6'-8"	SINGLE PANE	ALUMINUM CLAD	SLIDER	-
W120		72 x 48	6'-0"	4'-0"	6'-8"	NONE		CASED	OPENING
W121		36 x 60	3'-0"	5'-0"	6'-8"	DUAL PANE	ALUMINUM CLAD	OPERABLE	-



3 WINDOWS

SCALE: 1/4" = 1'-0"
RE: CH-A-801

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337-494-0806
www.kingarchitects.net

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JOB NO: 2316
DATE: MAR. 2025
DRWN. BY: BDC
CHKD. BY: BDK

REVISIONS

A	FOR BIDS

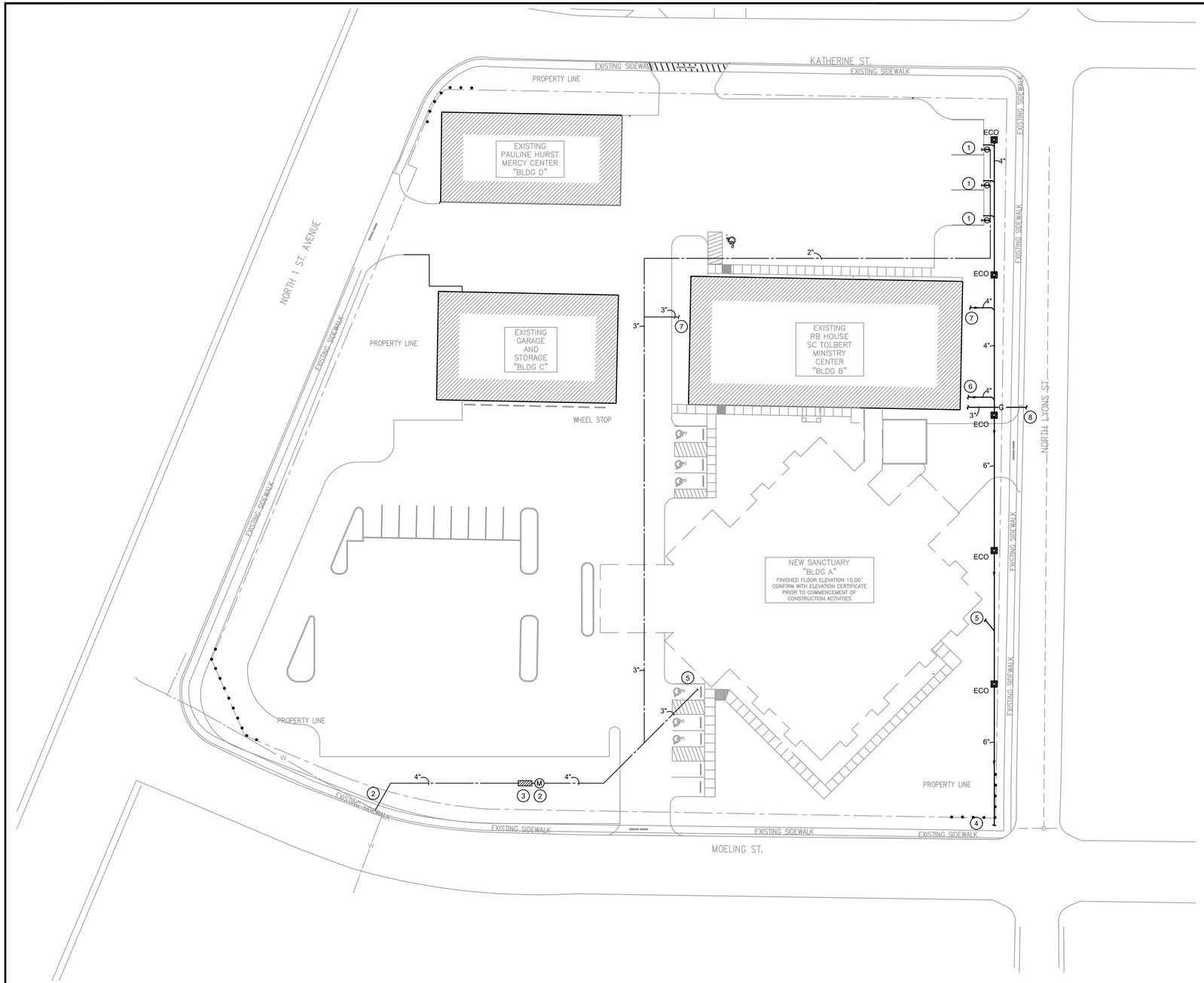
BARRY D. KING REG. NO. 31962 REGISTERED ARCHITECT STATE OF LOUISIANA

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

DOOR SCHEDULE
BASE BID

CH-A-801

KAI # 2316 / PRINT DATE 8/20/25



1 PLUMBING PLAN - SITE

SCALE:1" = 30'

REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

NORTH

GENERAL NOTES:

A. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHHOP REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.

B. CONTRACTOR SHALL SHALL VERIFY EXACT LOCATION OF UTILITIES, INVERT ELEVATIONS, ETC. PRIOR TO BEGINNING ANY ROUGH-IN OF SUBSURFACE WORK. COORDINATE ALL UTILITY TIE-IN REQUIREMENTS WITH RESPECTIVE UTILITIES.

C. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, DETAILS, ETC. INSTALL WORK TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DRAWINGS AS REQUIRED. REVIEW COMPLETE SET OF CONTRACT DOCUMENTS PRIOR TO SUBMITTING BID.

D. CONTRACTOR SHALL RUN ALL NEW UTILITIES (WATER, SEWER, GAS, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIE-ING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY AND VERIFY AND (DOCUMENT) REQUIREMENTS, COST, CHARGES, ETC.. CONTRACTOR SHALL FULLY COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS.

E. COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING/PAVING PLAN.

F. UNDERGROUND UTILITIES ARE APPROXIMATE. VERIFY INVERTS AND EXACT LOCATIONS WITH UTILITY PERSONNEL. VERIFY ALL EASEMENTS WITH APPROPRIATE PARTIES. ADJUST ALL UTILITY LINES ACCORDINGLY.

G. CALL LOUISIANA ONE CALL "811" PRIOR TO DIGGING.

PLUMBING KEYNOTES:

(1) WATER AND SEWER R/V CONNECTIONS. COORDINATE EXACT LOCATION OF CONNECTION POINTS WITH ELECTRICAL AND OWNER. REFER TO SHEET CH-P-401 DETAILS 11 AND 12.

(2) CONNECT TO EXISTING WATER SERVICE IN THIS VICINITY. PROVIDE NEW POTABLE WATER SERVICE TAP AND METER BY LOCAL WATER UTILITY COMPANY. VERIFY EXACT TIE-IN LOCATION PRIOR TO ANY ROUGH-INS. CONTRACTOR SHALL PAY ALL SERVICE AND CONNECTION CHARGES INCLUDING WATER METER, SERVICE LINE FROM CITY MAIN TO METER, ETC. REQUIRED.

(3) PROVIDE AND INSTALL A 4" WATTS SERIES LF909 REDUCE PRESSURE ZONE BACKFLOW PREVENTER AND SHUT-OFF VALVE IN THIS VICINITY AS PER LOCAL CODES. BACKFLOW PREVENTER SHALL HAVE BRONZE STRAINER, STAINLESS STEEL CHECK SEATS, BALL TYPE CUTOFF VALVES, SPRING LOADED "Y" PATTERN CHECK VALVES, RELIEF VALVE, TEST COCKS, AND SHALL CONFORM TO ALL CODES. BACK FLOW PREVENTER TO BE INSTALLED IN INSULATED ENCLOSURE. REFER TO SHEET FP CH-FP-300 FOR MAKE / MODEL AND LOCATION.

(4) CONNECT TO EXISTING SEWER LINE IN THIS VICINITY. VERIFY EXACT TIE-IN LOCATION AND INVERT PRIOR TO ANY ROUGH-INS. CONTRACTOR SHALL PAY ALL SERVICE AND CONNECTION CHARGES.

(5) REFER TO SHEET CH-P-200 FOR CONTINUATION.

(6) REFER TO SHEET MC-P-300 FOR CONTINUATION.

(7) REFER TO SHEET MC-P-301 FOR CONTINUATION.

(8) COORDINATE POTENTIAL GAS LINE ROUTING BY LOCAL GAS COMPANY. COORDINATE EXACT ROUTING WITH OWNER AND LOCAL GAS COMPANY FOR RIGHT OF WAYS, CONCRETE DRIVE WAYS, ETC. CONTRACTOR SHALL PAY FOR ALL SERVICE AND CONNECTION CHARGES, INCLUDING METER AND REGULATOR COST AND SERVICE LINE TO METER.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: ET
CHKD. BY: RCC

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29350
8/1/25
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

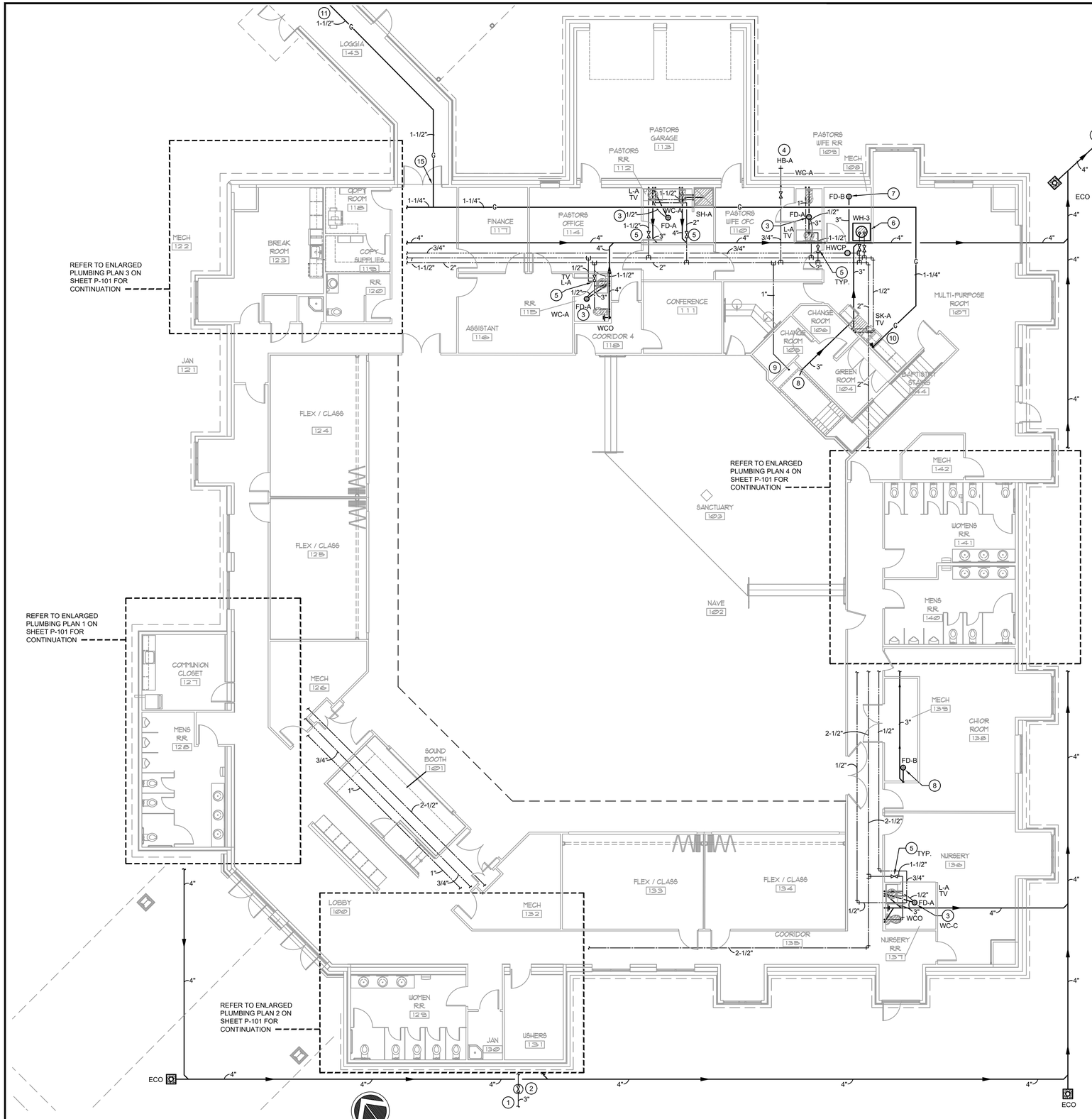
PLUMBING PLAN - SITE

BASE BID

CH-P-100

ADG ENGINEERING
Associated Design Group, Inc.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232



1 PLUMBING PLAN - CHURCH
SCALE: 1/8" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

GENERAL NOTES:

A. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FUEL GAS CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHHOP REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.

B. CONTRACTOR SHALL VERIFY EXACT LOCATION OF UTILITIES, INVERT ELEVATIONS, ETC. PRIOR TO BEGINNING ANY ROUGH-IN OF SUBSURFACE WORK. COORDINATE ALL UTILITY TIE-IN REQUIREMENTS WITH RESPECTIVE UTILITIES.

C. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, DETAILS, ETC. INSTALL WORK TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DRAWINGS AS REQUIRED. REVIEW COMPLETE SET OF CONTRACT DOCUMENTS PRIOR TO SUBMITTING BID.

D. CONTRACTOR SHALL RUN ALL NEW UTILITIES (WATER, SEWER, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIE-ING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY, VERIFY AND DOCUMENT REQUIREMENTS, COSTS, CHARGES, ETC. CONTRACTOR SHALL FULLY COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS.

E. COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING / PAVING PLAN.

F. UNDERGROUND UTILITIES ARE APPROXIMATE. VERIFY INVERTS AND EXACT LOCATIONS WITH UTILITY PERSONNEL. VERIFY ALL EASEMENTS WITH APPROPRIATE PARTIES. ADJUST ALL UTILITY LINES ACCORDINGLY.

G. COORDINATE INSTALLATION OF ALL PLUMBING, PIPING, ETC. WITH ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, EXISTING AND NEW CONDITIONS, ALL TRADES, ETC.

H. ALL DOMESTIC WATER BRANCH LINES SHALL HAVE VALVES AT MAIN LINE.

I. RUN ALL GAS PIPING IN NON-CONCEALED SPACES.

J. CONTRACTOR SHALL REMOVE EXISTING PLUMBING SYSTEMS, DEVICES, ACCESSORIES, ETC. AS INDICATED. OWNER SHALL HAVE RIGHT OF FIRST REFUSAL ON REMOVED EQUIPMENT. IF REFUSED BY OWNER - REMOVE FROM SITE & DISPOSE OF LEGALLY.

K. KITCHEN EQUIPMENT IS PROVIDED BY OWNER. PLUMBING CONTRACTOR SHALL INSTALL AND CONNECT PIPING AS REQUIRED FOR PROPER OPERATION OF ALL EQUIPMENT REQUIRING WATER, SEWER AND GAS CONNECTIONS.

L. GAS PIPING SHALL NOT BE INSTALLED IN CONCEALED SPACES.

PLUMBING KEYNOTES:

(1) REFER TO SHEET CH-P-100 FOR CONTINUATION.

(2) PROVIDE POTABLE WATER MAIN SHUT-OFF VALVE IN CAST IRON VALVE BOX WITH METAL COVER MARKED "WATER".

(3) TAP OFF LAVATORY P-TRAP WITH 1/2" CHROME LINE TO WALL AND CONTINUE IN WALL WITH 1/2" SOFT COPPER LINE TO BELOW SLAB TO TRAP PRIMER CONNECTION ON FLOOR DRAIN. ALL EXPOSED SUPPLY LINES SHALL BE CHROME (J.R. SMITH 2698 OR APPROVED EQUIVALENT P-TRAP TYPE).

(4) 3/4" DOMESTIC COLD WATER LINE DOWN IN WALL AND OUT TO HOSE BIBB. PROVIDE ACCESSIBLE BALL TYPE CUTOFF VALVE ABOVE CEILING.

(5) PROVIDE A BALL TYPE CUTOFF VALVE ABOVE ACCESSIBLE CEILING FOR ISOLATION. (TYPICAL)

(6) INSTALL WATER HEATER ON SHELF IN EMERGENCY DRAIN PAN. PIPE WATER HEATER RELIEF LINE AND EMERGENCY DRAIN PAN LINE FULL SIZE TO FLOOR DRAIN WITH AIR GAP.

(7) COORDINATE EXACT LOCATION OF FLOOR DRAINS AND FLOOR SINKS WITH FINAL EQUIPMENT LAYOUT AND ARCHITECTURAL / KITCHEN EQUIPMENT DRAWINGS PRIOR TO ANY ROUGH-INS. PROVIDE PROSET TRAP GUARD INSERT IN FLOOR DRAIN.

(8) SEWER LINE FOR BAPTISTERY (BAPTISTERY BY OTHERS). COORDINATE EXACT LOCATION OF DRAIN WITH BAPTISTERY TUB AND ALL INVERTS PRIOR TO INSTALLATION.

(9) WATER LINE FOR BAPTISTERY (BAPTISTERY BY OTHERS). HEATER EQUIPMENT. VERIFY LOCATION IN FIELD. PROVIDE PIPING, ETC. FROM HEATER EQUIPMENT TO BAPTISTERY AS REQUIRED TO MAKE A COMPETE INSTALLATION.

(10) 1-1/4" GAS LINE EXPOSED DOWN WALL TO 12" A.F.F. BEHIND STOVE. PROVIDE BALL TYPE SHUTOFF VALVE WITH DRIP LEG AT STOVE. CONNECT WITH FLEXIBLE TUBING AND QUICK DISCONNECT AS REQUIRED FOR PROPER INSTALLATION AND OPERATION. INSTALL PER MANUFACTURERS RECOMMENDATION.
GAS LINE THROUGH WALL IN SLEEVE. SEAL INSIDE OF SLEEVE.

(11) REFER TO SHEET MC-P-300 FOR CONTINUATION.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: ET
CHKD. BY: RCC

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29350
8/1/25
PROFESSIONAL ENGINEER

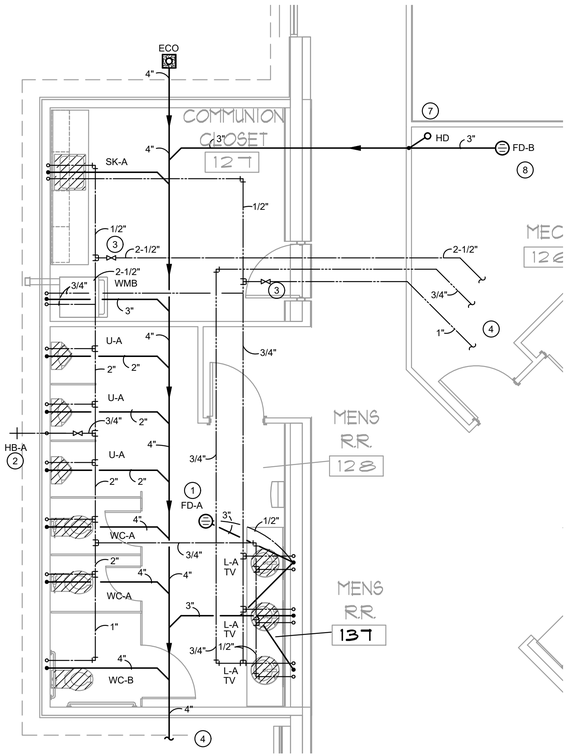
GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

PLUMBING PLAN

BASE BID

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 24232

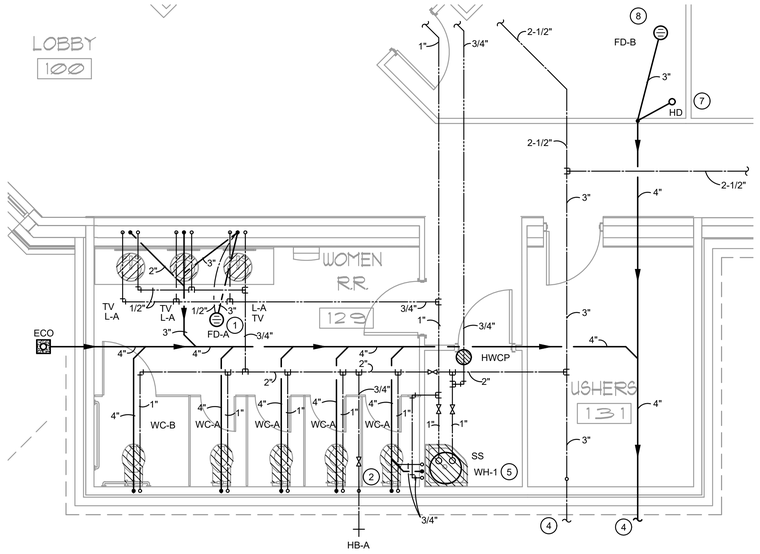
CH-P-200



1 ENLARGED PLUMBING PLAN - MENS RR 137

SCALE:1/4" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

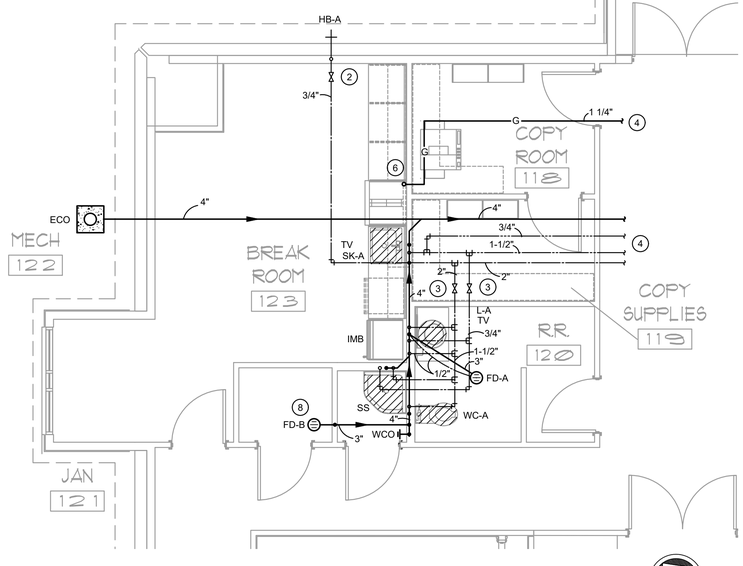
NORTH



2 ENLARGED PLUMBING PLAN - WOMENS RR 138

SCALE:1/4" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

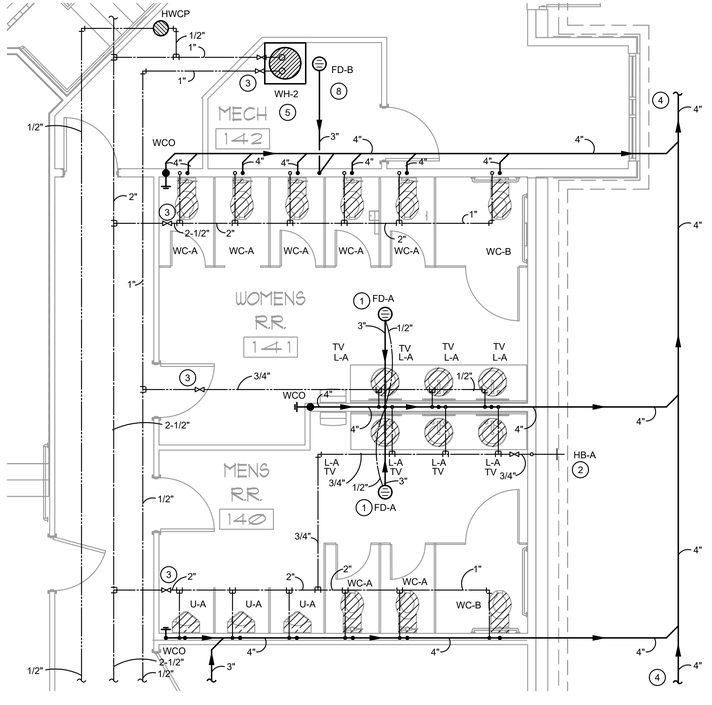
NORTH



3 ENLARGED PLUMBING PLAN - RR 128

SCALE:1/4" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

NORTH



4 ENLARGED PLUMBING PLAN - RR 150/ RR 151

SCALE:1/4" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

NORTH

GENERAL NOTES:

A. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FUEL GAS CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHHOP REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.

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D. CONTRACTOR SHALL RUN ALL NEW UTILITIES (WATER, SEWER, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIE-ING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY, VERIFY AND DOCUMENT REQUIREMENTS, COSTS, CHARGES, ETC. CONTRACTOR SHALL FULLY COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS.

E. COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING / PAVING PLAN.

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H. ALL DOMESTIC WATER BRANCH LINES SHALL HAVE VALVES AT MAIN LINE.

I. RUN ALL GAS PIPING IN NON-CONCEALED SPACES.

J. CONTRACTOR SHALL REMOVE EXISTING PLUMBING SYSTEMS, DEVICES, ACCESSORIES, ETC. AS INDICATED. OWNER SHALL HAVE RIGHT OF FIRST REFUSAL ON REMOVED EQUIPMENT. IF REFUSED BY OWNER - REMOVE FROM SITE & DISPOSE OF LEGALLY.

K. KITCHEN EQUIPMENT IS PROVIDED BY OWNER. PLUMBING CONTRACTOR SHALL INSTALL AND CONNECT PIPING AS REQUIRED FOR PROPER OPERATION OF ALL EQUIPMENT REQUIRING WATER, SEWER AND GAS CONNECTIONS.

PLUMBING KEYNOTES:

(1) TAP OFF LAVATORY P-TRAP WITH 1/2" CHROME LINE TO WALL AND CONTINUE IN WALL WITH 1/2" SOFT COPPER LINE TO BELOW SLAB TO TRAP PRIMER CONNECTION ON FLOOR DRAIN. ALL EXPOSED SUPPLY LINES SHALL BE CHROME (J.R. SMITH 2698 OR APPROVED EQUIVALENT P-TRAP TYPE).

(2) 3/4" DOMESTIC COLD WATER LINE DOWN IN WALL AND OUT TO HOSE BIBB. PROVIDE ACCESSIBLE BALL TYPE CUTOFF VALVE ABOVE CEILING.

(3) PROVIDE A BALL TYPE CUTOFF VALVE ABOVE ACCESSIBLE CEILING FOR ISOLATION.

(4) REFER TO SHEET CH-P-200 FOR CONTINUATION.

(5) INSTALL WATER HEATER ON SHELF IN EMERGENCY DRAIN PAN. PIPE WATER HEATER RELIEF LINE AND EMERGENCY DRAIN PAN LINE FULL SIZE TO SINK/FLOOR DRAIN WITH AIR GAP.

(6) 1-1/4" GAS LINE EXPOSED DOWN WALL TO 12" A.F.F. BEHIND STOVE. PROVIDE BALL TYPE SHUTOFF VALVE WITH DRIP LEG AT STOVE. CONNECT WITH FLEXIBLE TUBING AND QUICK DISCONNECT AS REQUIRED FOR PROPER INSTALLATION AND OPERATION. INSTALL PER MANUFACTURERS RECOMMENDATION.

(7) PROVIDE A 2" INSULATED HUB DRAIN ABOVE CEILING FOR CONDENSATE. INSULATE SEWER STACK DOWN TO SLAB AS PER SPECIFICATIONS.

(8) COORDINATE EXACT LOCATION OF FLOOR DRAINS AND FLOOR SINKS WITH FINAL EQUIPMENT LAYOUT AND ARCHITECTURAL / KITCHEN EQUIPMENT DRAWINGS PRIOR TO ANY ROUGH-INS. PROVIDE PROSET TRAP GUARD INSERT IN FLOOR DRAIN.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: ET
CHKD. BY: RCC

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 28380
8/1/3
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ENLARGED PLUMBING PLAN

BASE BID

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

CH-P-201

PLUMBING FIXTURE SCHEDULE

MARK DESCRIPTION	MFGR	SERVICES WASTE	VENT	HW	CW	REMARKS
WC–A WATER CLOSET FLUSH VALVE	KOHLER K–4350 SLOAN – REGAL 111–1.6 CHURCH	4"	3"	--	1"	15" HIGH WHITE, VITREOUS CHINA, SIPHON JET ACTION FLOOR MOUNT WATER CLOSET WITH ELONGATED BOWL AND 1–1/2" TOP SPUD AND BOLT CAPS. PROVIDE CHURCH MODEL 295C WHITE OPEN FRONT SEAT/LESS COVER WITH STAINLESS STEEL CHECK HINGE, SLOAN REGAL 111–1.6 FLUSH VALVE.
WC–B WATER CLOSET FLUSH VALVE ADA	KOHLER K–4368 SLOAN – REGAL 111–1.6 CHURCH	4"	3"	--	1"	17" HIGH WHITE, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, 1.6 GAL FLUSH, 10" ROUGH–IN, FLOOR MOUNT WATER CLOSET WITH ELONGATED BOWL AND 1–1/2" BRASS TOP SPUD, CHURCH 295C ELONGATED OPEN FRONT SEAT WITH CONCEALED 300 SERIES STAINLESS STEEL CHECK HINGES, AND SLOAN REGAL 111 XL 1.6 GALLON FLUSH VALVE WITH VACUUM BREAKER FLUSH CONNECTION.
WC–C WATER CLOSET FLUSH VALVE PRIMARY	KOHLER – K–96064 K–4686 SLOAN – REGAL 111–1.6	4"	3"	--	1"	10–1/2" HIGH (PRIMARY), WHITE, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, 1.6 GAL FLUSH, 10" ROUGH–IN, FLOOR MOUNT WATER CLOSET WITH ELONGATED BOWL AND 1–1/2" BRASS TOP SPUD, WHITE, ROUND OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGES, AND 1.6 GALLON DIAPHRAGM FLUSH VALVE WITH VACUUM BREAKER FLUSH CONNECTION.
U–A URINAL	KOHLER K–4904–ET SLOAN	2"	2"	--	3/4"	WHITE, VITREOUS CHINA, SIPHON JET ACTION URINAL W/ 3/4" TOP SPUD. BEEHIVE STRAINER. SLOAN REGAL 186–1 (1.0 GALLON) FLUSH VALVE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS TO COMPLY WITH ADA REQUIREMENTS. PROVIDE FLOOR MOUNTED CARRIER.
L–A LAVATORY COUNTERTOP ADA	KOHLER – K–2196 – K–7443–5A WATTS – LFUSG–B–M2 TRUEBRO – 102 LAVGUARD	2"	2"	1/2"	1/2"	WHITE VITREOUS CHINA SELF–RIMMING COUNTERTOP LAVATORY WITH 8" CENTERS. WIDESPREAD FAUCET WITH WRIST BLADE HANDLES AND GRID DRAIN W/ PERFORATED STRAINER AND TAILPIECE, 1–1/4" 17 GA. CAST BRASS P–TRAP WITH CLEANOUT PLUG, 3/8" ANGLE SUPPLIES WITH STOPS. INSULATE P–TRAP AND WATER SUPPLIES. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE UNDER LAVATORY. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
SK–A SINK SINGLE COMPARTMENT	ELKAY – LR–1919 T & S – B–2867–04FC LEONARD – 170D–LF	2"	2"	1/2"	1/2"	18 GAUGE TYPE 302–SS, SELF RIMMING 19"X19–1/2"X7–1/2" DEEP SINGLE COMPARTMENT SINK WITH 3 HOLE PUNCH. GOOSENECK FAUCET (1.5 GPM) WITH 4" WRIST BLADE HANDLES, LK–99 DRAIN WITH STRAINER, WITH 17 GA. CAST BRASS P–TRAP WITH C.O. PLUG AND 3/8" ANGLE SUPPLIES WITH STOPS. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE MOUNTED ON WALL UNDER SINK.
SH–A SHOWER	TILE SHOWER BY ARCHITECT LEONARD – 76–1A	3"	2"	3/4"	3/4"	SINGLE HANDLE THERMOSTATIC AND PRESSURE BALANCING MIXING SHOWER VALVE, VACUUM BREAKER, WALL BRASS SHOWER HEAD (1.5 GPM).
SS SERVICE SINK MOLDED STONE (FLOOR MODEL)	FIAT MSB–2424 830–AA 832–AA 889–CC MSG–2424	3"	2"	3/4"	3/4"	FIAT MSB–2424: 24"X24"X10" DEEP MOLDED STONE MOP SERVICE BASIN WITH FACTORY INSTALL STAINLESS STEEL DRAIN BODY W/ FLAT STRAINER CHROME PLATED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, SILICONE SEALANT, WALL GUARDS, ADJUSTABLE WALL BRACE, PAIL HOOK, 3/4" HOSE THREAD ON SPOUT, 30" LONG HEAVY DUTY RUBBER HOSE AND HOSE BRACKET, MOP HANGER AND STAINLESS STEEL WALL GUARD.
TV	WATTS – LFUSG–B–M2	--	--	--	--	ASSE 1070 THERMOSTATIC MIXING VALVE MOUNTED ON WALL UNDER LAVATORY/SINK
HB–A HOSE BIBB	WOODFORD	--	--	--	3/4"	WOODFORD 24P–3/4: ANTI–SIPHON VACUUM BREAKER, PROTECTED WALL FAUCET WITH 3/4" HOSE THREAD, BRASS CONSTRUCTION, TEE KEY HANDLE.
FD–A FLOOR DRAIN	WADE	3"	2"	--	--	WADE 1100STD: CAST IRON FLOOR DRAIN W/ FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, ADJUSTABLE 6" DIA. NICKEL BRONZE STRAINER W/ SQUARE PERFORATIONS, P–TRAP.
FD–B FLOOR DRAIN RECESSED GRATE	WADE	3"	2"	--	--	WADE 1100ER: CAST IRON FLOOR DRAIN W/ FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, ADJUSTABLE 7" DIA., NICKEL BRONZE EXTENDED RIM STRAINER W/ SQUARE PERFORATIONS, P–TRAP. PROVIDE A PRO SET TRAP PRIMER IN DRAIN.
IMB ICE MAKER BOX	GUY GRAY – BIM875	--	--	--	1/2"	PROVIDE 3/8" ANGLE SUPPLY WITH STOP IN 20 GA. METAL RECESSED FLUSH MOUNTED BOX. MOUNT AT 12" A.F.F.
WMB WASHING MACHINE BOX	GUY GRAY – B200	2"	2"	3/4"	3/4"	RECESSED GALVANIZED STEEL WASHING MACHINE VALVE BOX WITH 3/4" HOT & COLD WATER THREADED SUPPLIES WITH SHUTOFFS AND 2" DRAIN.
FCO FLOOR CLEANOUT	WADE	LINE SIZE	--	--	--	WADE 6000: CAST IRON FLOOR CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP. COORDINATE TOP STYLE WITH FINISHED FLOOR MATERIAL (CARPET, TILE, ETC.).
ECO EXTERIOR CLEANOUT	JONES STEPHENS	LINE SIZE	--	--	--	JONES STEPHENS S36–008: CAST IRON FRAME AND COVER MARKED "SEWER CLEANOUT". PROVIDE AS DETAILED IN CONCRETE SLAB.
HWCP HOT WATER CIRCULATING PUMP	GRUNDFOS – UP15–42SF	--	--	--	--	IN–LINE CIRCULATOR PUMP WITH BRONZE BODY AND BRASS IMPELLER, MECHANICAL SEAL, BRONZE SLEEVE, OIL LUBRICATED BEARING, FLEXIBLE COUPLER, UL LISTED DRIP PROOF 1/25 HP MOTOR WITH VOLTAGE TO BE 120–1–60. COORDINATE WITH ELECTRICAL.

ELECTRIC WATER HEATER SCHEDULE

UNIT No	LOCATION	STORAGE GAL	RECOVERY	HEATING ELEMENTS KW	ELEC. SERVICE	MFGR MODEL NO.
WH–1	JANITOR 144	20	18 GPH @ 100°F RISE	4.5	208/1/60	RUUD EGSP20 OR APPROVED EQUAL * MOUNTED ON SHELF
WH–2	MECHANICAL 152	20	18 GPH @ 100°F RISE	4.5	208/1/60	RUUD EGSP20 OR APPROVED EQUAL * MOUNTED ON SHELF
WH–3	MECHANICAL 109	40	18 GPH @ 100°F RISE	4.5 / 4.5	208/1/60	RUUD ELDS40 OR APPROVED EQUAL * MOUNTED ON FLOOR

SHELF TO BE PROVIDED BY THE GENERAL CONTRACTOR

APPROVED EQUALS: THE FOLLOWING MANUFACTURERS OF PLUMBING FIXTURES AND DRAINS OF COMPARABLE QUALITY TO THOSE ITEMS SPECIFIED ARE CONSIDERED APPROVED EQUALS SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE INDIVIDUAL SPECIFICATIONS.

PLUMBING FIXTURES:	AMERICAN STANDARD, MANSFIELD, SLOAN, TOTO, ZURN, ACORN
DRAINS, CLEANOUTS, CARRIERS:	JOSAM, J.R. SMITH, MIFAB, WATTS, ZURN
SINKS:	ADVANCE TABCO, GRIFFIN, JUST. ACORN
SERVICE SINKS:	ACORN, FLORSTONE, MUSTEE, STERN WILLIAMS
ELECTRIC WATER COOLER:	ACORN, HAWS, HALSEY TAYLOR, OASIS
FLUSH VALVES:	ZURN
FAUCETS:	CHICAGO, DELTA COMMERCIAL, MOEN COMMERCIAL, SPEAKMAN, T & S, ZURN
WATER HEATERS:	A.O. SMITH, STATE
OTHER MANUFACTURERS:	SUBMIT FOR PRIOR APPROVAL.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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DRWN. BY: ET
CHKD. BY: RCC

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29350
8/13
PROFESSIONAL ENGINEER

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

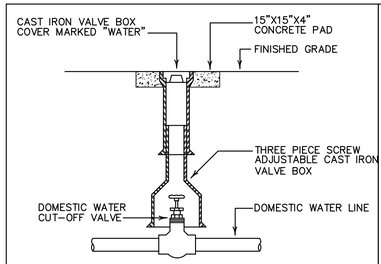
ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

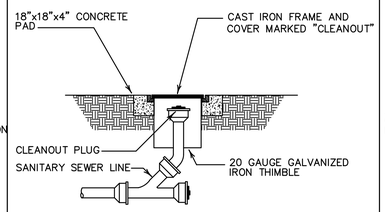
PLUMBING SCHEDULES

BASE BID

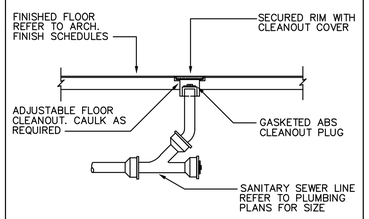
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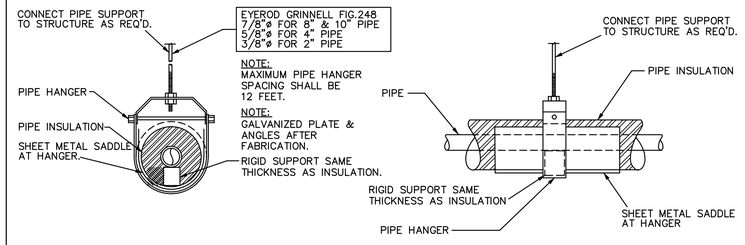
1 WATER VALVE BOX DETAIL
NO SCALE



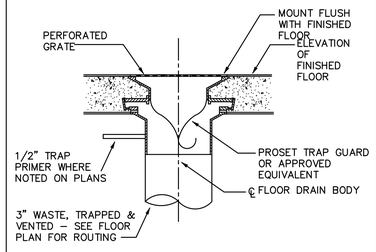
2 EXTERIOR CLEANOUT DETAIL
NO SCALE



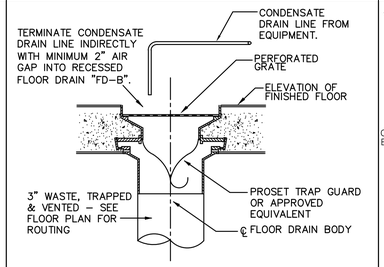
3 FLOOR CLEANOUT DETAIL
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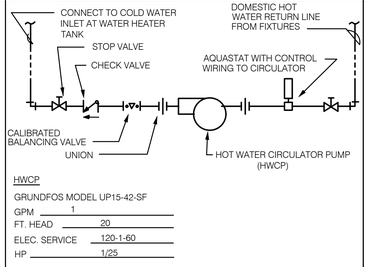
4 INSULATED PIPE HANGER DETAIL
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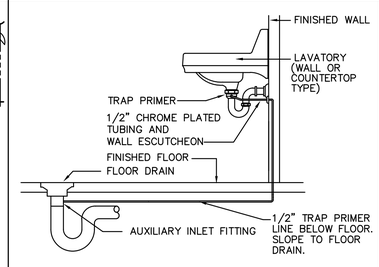
5 FLOOR DRAIN "FD-A" DETAIL
NO SCALE



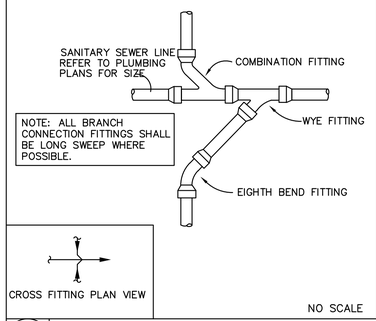
6 FLOOR DRAIN "FD-B" DETAIL
NO SCALE



7 HOT WATER CIRCULATION SYSTEM PIPING (HWCP)
NO SCALE

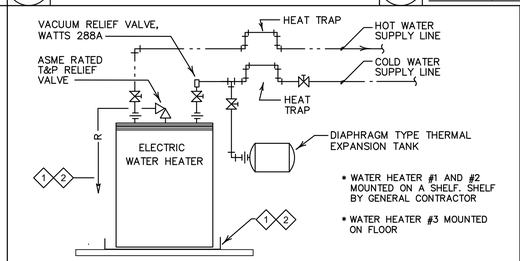


8 TRAP PRIMER DETAIL
NO SCALE

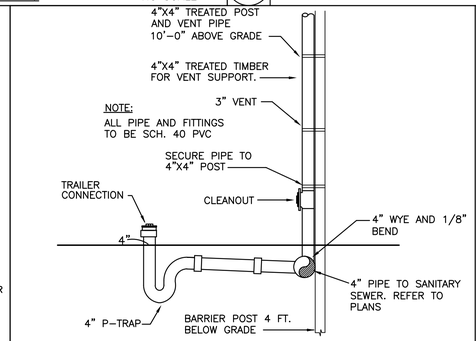


NO SCALE

9 SANITARY SEWER CROSS INSTALLATION METHOD CONNECTION DETAIL (TYPICAL)



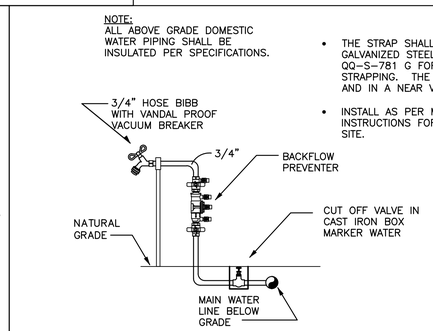
10 WATER HEATER DETAIL
NO SCALE



11 TRAILER TRAP / VENT DETAIL
NO SCALE

NOTE: ALL ABOVE GRADE DOMESTIC WATER PIPING SHALL BE INSULATED PER SPECIFICATIONS.

- THE STRAP SHALL BE 1.25"X.035" COLD ROLLED GALVANIZED STEEL, AS PER FEDERAL SPECIFICATION QQ-S-781 G FOR TYPE 1 CLASS B, GRADE 1 STRAPPING. THE ANCHOR STRAPS SHALL BE SNUG AND IN A NEAR VERTICAL POSITION.
- INSTALL AS PER MANUFACTURE'S INSTALLATION INSTRUCTIONS FOR SOIL TYPE EXISTING AT TRAILER SITE.



12 RV TRAILER DOMESTIC WATER SUPPLY CONNECTION DETAIL
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29350
8/1/25
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

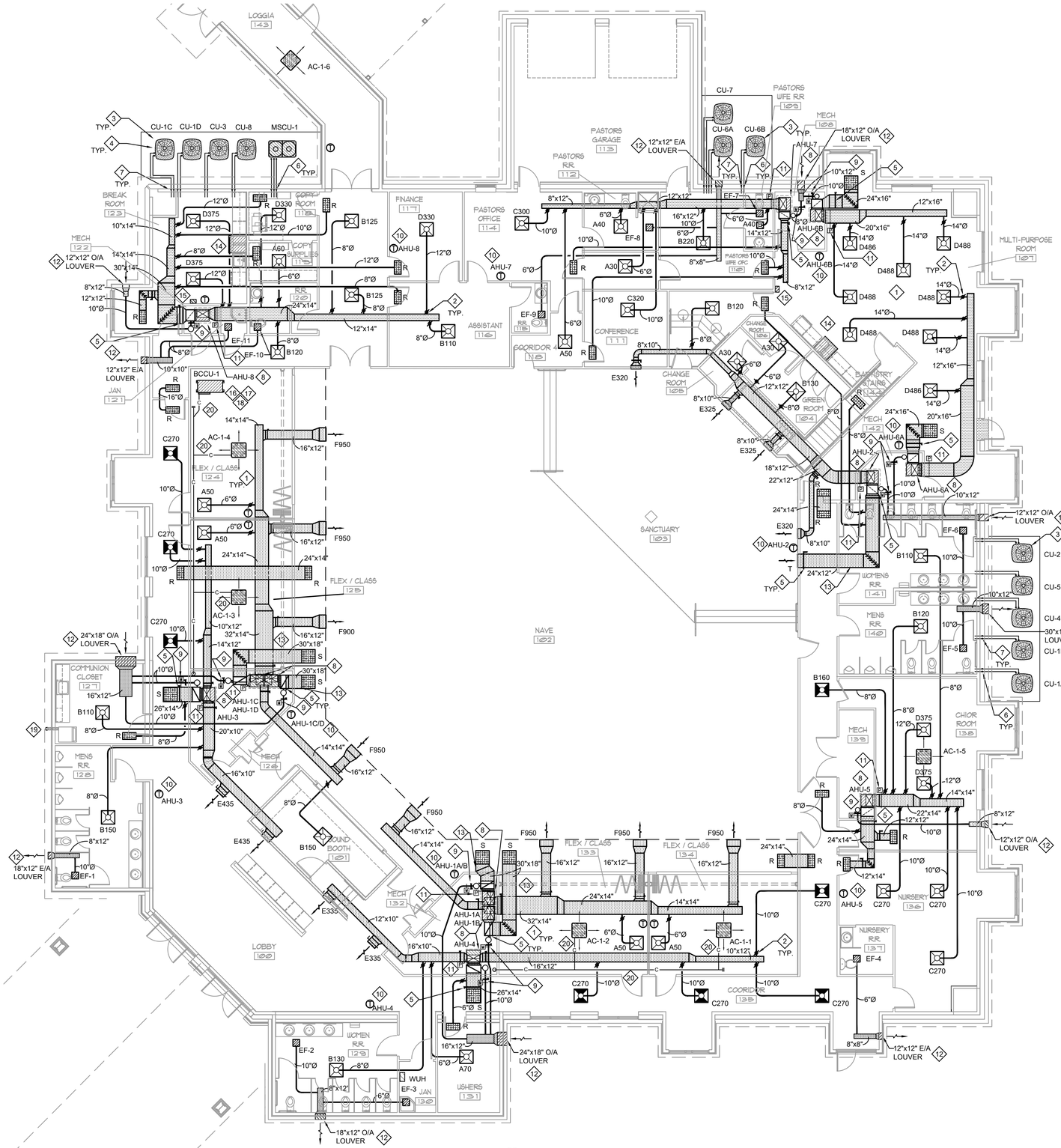
PLUMBING DETAILS

BASE BID

CH-P-401

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232



1 HVAC PLAN

SCALE: 1/8" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH LOCAL, STATE & FEDERAL CODES TO SATISFACTION OF CODE AUTHORITIES HAVING JURISDICTION.
2. COORDINATE ALL CEILING DEVICES, DUCTWORK, PIPEWORK, ETC. WITH LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS, FOR CLARIFICATION TO SATISFACTION OF BIDDER. REFER TO SPECIFICATIONS SECTION 23 FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE DEVICE LOCATION WITH CEILING GRID.
3. CONTRACTOR SHALL SEAL ALL PIPING AND DUCT PENETRATIONS THROUGH WALLS AND FLOORS AS PER THE RATED UL DESIGNATION'S REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ALL UL RATINGS.
4. PROVIDE ACCESS PANELS PER SPECIFICATIONS TO ACCESS ALL DEVICES REQUIRING MAINTENANCE/ADJUSTMENT WHERE NECESSARY. COORDINATE WITH ARCHITECTURAL FINISH SCHEDULE.
5. CONTRACTOR SHALL CAP AND SEAL ALL DUCTWORK DURING CONSTRUCTION TO PREVENT CONTAMINATION DUE TO CONSTRUCTION DEBRIS.
6. ALL VALVES, DAMPERS, ACCESS PANELS, ETC SHALL BE INSTALLED FOR MAXIMUM ACCESSIBILITY.
7. ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTWORK THIS SHEET SHALL BE EXTERNALLY INSULATED UNLESS SHOWN OTHERWISE. DUCT SIZES SHOWN ARE CLEAR METAL TO METAL. WRAP DUCTWORK EXTERNALLY.
8. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 90A & 101, THE CLEAN AIR ACT AND THE AMERICANS WITH DISABILITIES ACT.
9. HARDCAST ALL DUCTWORK JOINTS FOR AIRTIGHT SYSTEM. REFER TO DETAILS FOR UCTWORK TAP, SPLITTER, BRANCH CONFIGURATION, ETC. INSTALL IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND INSTALLATION GUIDELINES.
10. PROGRAMMABLE THERMOSTAT SHALL REMAIN IN FAN "AUTO" MODE.
11. INSULATE ALL MECHANICAL ROOM WALLS AS SPECIFIED.

HVAC KEYNOTES:

1. COORDINATE ROUTING OF DUCT WORK WITH STRUCTURAL. REFER TO STRUCTURAL DRAWINGS AND ROUTE DUCTWORK AS REQUIRED (TYPICAL).
2. INSTALL MANUAL DAMPER AT DUCT TAP SPIN FITTING ABOVE LAY-IN CEILING AND BALANCE TO CFM INDICATED AT GRILLE. DUCT TAPS SHALL BE A MINIMUM OF 12" FROM END OF SUPPLY AIR DUCT. (TYPICAL)
3. CONDENSING UNITS SHALL BE INSTALLED SO THAT RUN-OFF WATER FROM ROOF DOES NOT POUR DIRECTLY ONTO UNIT. (TYPICAL).
4. MOUNT CONDENSING UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD. (CONCRETE PAD BY GENERAL CONTRACTOR).
5. PROVIDE A MANUAL BALANCING DAMPER (TYPICAL).
6. REFRIGERANT PIPING PENETRATES WALL TO RESPECTIVE AIR HANDLING UNIT. SEAL WALL PENETRATION AIR AND WATER TIGHT. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER AND INSTALL REFRIGERANT PIPE IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUCTION LINE ACCUMULATOR AND SOLENOID VALVE AS PER MANUFACTURERS RECOMMENDATION. MANUFACTURER SHALL SUBMIT RECOMMENDED REFRIGERANT LIQUID AND SUCTION LINE SIZES AND ACCESSORIES DURING SHOP DRAWINGS. (TYPICAL)
7. PROVIDE REFRIGERANT PIPING SUPPORTS AS REQUIRED. (TYPICAL)
8. INSTALL AIR HANDLER UNIT, ON PRIMED AND PAINTED ANGLE IRON FRAME, IN AN EMERGENCY DRAIN PAN. EMERGENCY DRAIN PAN SHALL EXTEND 6" ALL AROUND PERIMETER OF ALL UNITS WITH A 3/4" INSULATED DRAIN PIPE WITH BALL VALVE (NC) AND EXTEND TO CONDENSATE DRAIN PIPE WITH 2" AIR GAP. PROVIDE FLOAT SWITCH AND INTERLOCK WITH AHU FAN MOTOR. LOCATE UNIT DISCONNECT IN ACCESSIBLE LOCATION WITH REQUIRED CLEARANCES. COORDINATE WITH ARCHITECT AND ELECTRICAL CONTRACTOR.
9. PROVIDE A 120/1/60 ELECTRIC MOTORIZED DAMPER AND MANUAL BALANCING DAMPER IN OUTSIDE AIR DUCT THIS VICINITY. INTERLOCK MOTORIZED DAMPER TO RESPECTIVE A/C UNIT TO OPEN WHEN UNIT IS HEATING OR COOLING AND CLOSE WHEN UNIT IS NOT. PROVIDE ALL RELAY'S, WIRING, ETC. REQUIRED FOR PROPER OPERATION. INSTALL MOTORIZED DAMPER IN AN ACCESSIBLE LOCATION IN MECHANICAL ROOM. OUTSIDE AIR DUCTWORK SHALL CONNECT TO RETURN AIR DUCT AFTER THE RETURN AIR DAMPER.
10. INSTALL NEW 7 DAY PROGRAMMABLE THERMOSTAT AND CONTROL WIRING WHERE INDICATED.
11. PROVIDE AND INSTALL PLASMA AIR- MODEL 7001 (24V) NEEDLE POINT IONIZER AIR PURIFICATION SYSTEM IN SUPPLY DUCTWORK APPROXIMATELY WHERE SHOWN. IONIZER SHALL BE MOUNTED ON DUCTWORK UTILIZING PRE-DRILLED FLANGE AND FACTORY APPLIED GASKETS. IONIZER SHALL BE INSTALLED IN ACCESSIBLE LOCATION. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL 24V CONTROL WIRING TO PLASMA AIR.
12. EXHAUST/OUTSIDE AIR LOUVER (GREENHECK ESD-635 OR APPROVED EQUAL, COLOR BY ARCHITECT) WITH BIRD SCREEN AT SIZE INDICATED. CONTRACTOR SHALL PROVIDE PLENUM BOX FULL SIZE OF LOUVER FOR DUCT CONNECTION. VERIFY WITH ARCHITECT PRIOR TO INSTALLATION.
13. RETURN AIR DUCT SHALL BE INTERNALLY INSULATED.
14. PROVIDE A DENLAR D1030-F NFPA RE-CIRCULATING 30" RANGE HOOD WITH FACTORY INSTALLED FIRE SUPPRESSION SYSTEM. INSTALL HOOD PER MANUFACTURER AND ALL APPLICABLE CODE REQUIREMENTS. ELECTRICAL SERVICE 120-1-60, MOCP 15A. VERIFY EXACT RANGE WIDTH WITH OWNER PRIOR TO ORDERING.
15. INSTALL MANUAL PULL STATION FOR HOOD SUPPRESSION SYSTEM. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
16. BRANCH CONTROLLER SUSPENDED FROM STRUCTURE ABOVE CEILING IN THIS VICINITY. PROVIDE INSULATED DRAIN PAN BELOW BRANCH CONTROLLER, EXTENDING 4" AROUND UNIT AND VALVES. PROVIDE BALL VALVES ON EACH OUTLET REFRIGERANT LINE. RUN REFRIGERANT LINES ABOVE CEILING FROM BRANCH CONTROLLER TO RESPECTIVE INDOOR UNIT AND CONNECT. RUN INSULATED CONDENSATE DRAIN LINE FULL SIZE FROM BRANCH CONTROLLER TO HUB DRAIN AND TERMINATE. PROVIDE 2" AIR GAP BETWEEN DRAIN LINE AND HUB DRAIN. REFER TO PLUMBING PLAN FOR HUB DRAIN LOCATION. COORDINATE ACCESS TO BRANCH CONTROLLER WITH DUCTWORK, LIGHTS, ETC.
17. TYPE "K" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF THAT SYSTEM (TYPICAL). CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEET METAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
18. PROVIDE AND INSTALL SERVICE BALL VALVE AT EACH BRANCH CONNECTION IN ACCESSIBLE LOCATION ABOVE CEILING.
19. 4" ALUMINUM DRYER VENT WITH END CAP AND BACK DRAFT DAMPER
20. ROUTE 1" INSULATED CONDENSATE DRAIN LINE ABOVE CEILING TO HUB DRAIN. TERMINATE AT HUB DRAIN WITH 2" AIR GAP. COORDINATE DRAIN LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
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KING architects INC.
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1312 Sampson St.
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GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

HVAC PLAN

BASE BID

CH-M-100

AIR CONDITIONING UNIT SCHEDULE

NO.	SERVICE	FAN MIN. C.F.M.	FAN C.F.M. F.A.	FAN EXT. S.P.	FAN H.P.	FAN ELECTRIC SERVICE	COOLING MIN. B.T.U.H. OUTPUT	COOLING EVAP. TEMP. (°F)	COOLING AMB. TEMP. (°F)	COOLING ENT. TEMP. D.B. °F	COOLING ENT. TEMP. W.B. °F	COOLING LAT. TEMP. D.B. °F	COOLING LAT. TEMP. W.B. °F	HEATING MIN. B.T.U.H. OUTPUT	HEATING K.W. ELEC. STRIP MIN.	HEATING K.W. ELEC. STRIP MAX.	HEATING NO. STAGES	HEATING ENT. AIR (°F)	HEATING LEAV. AIR (°F)	HEATING ELECTRIC SERVICE	REMARKS	NOTES
AHU-1A	102 NAVE	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,3,4
AHU-1B	102 NAVE	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,3,4
AHU-1C	102 NAVE	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,3,4
AHU-1D	102 NAVE	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,3,4
AHU-2	103 SANCTUARY	1600	240	1"	3/4	208/1/60	48,000	40.0	95.0	75.2	63.4	55.0	54.0	36,900	10.8		1	63.25	86.0	208/3/60	TRANE MODEL GAM5B0C48 OR APPROVED EQUAL	1,2,4
AHU-3	100 LOBBY / 128 MENS RR	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,4
AHU-4	100 LOBBY / 129 WOMEN RR	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,4
AHU-5	136 NURSERY / 138 CHOIR PRACTICE	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,4
AHU-6A	107 MULTI-PURPOSE ROOM	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,3,4
AHU-6B	107 MULTI-PURPOSE ROOM	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,3,4
AHU-7	111 CONFERENCE	1000	150	1"	1/3	208/1/60	30,000	40.0	95.0	75.2	63.4	55.0	54.0	36,900	10.8		1	63.25	97.4	208/3/60	TRANE MODEL GAM5B0C30 OR APPROVED EQUAL	1,2,4
AHU-8	123 BREAK ROOM	1950	300	1"	1	208/1/60	60,000	40.0	95.0	75.4	63.6	55.0	54.0	61,416	18.0		3	63.25	92.4	208/1/60	TRANE MODEL GAM5B0C60 OR APPROVED EQUAL	1,2,4

1. ALL AIR HANDLING UNITS SHALL BE INTERNALLY FUSED FOR SINGLE POINT CONNECTION. PROVIDE INTEGRAL DISCONNECT.
2. PROVIDE AND INSTALL PLASMA AIR- MODEL 7001 (24V) NEEDLE POINT IONIZER AIR PURIFICATION SYSTEM IN SUPPLY DUCTWORK APPROXIMATELY WHERE SHOWN. IONIZER SHALL BE MOUNTED ON DUCTWORK UTILIZING PRE-DRILLED FLANGE AND FACTORY APPLIED GASKETS. IONIZER SHALL BE INSTALLED IN ACCESSIBLE LOCATION. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL 24V CONTROL WIRING TO PLASMA AIR.
3. AIR HANDLER UNITS FANS SHALL BE INTERLOCK TO RUN SIMULTANEOUSLY.
4. OUTSIDE AIR MOTORIZED DAMPER SHALL BE INTERLOCKED WITH RESPECTIVE AIR HANDLER UNIT TO OPEN WHEN UNIT IS HEATING OR COOLING

AIR COOLED CONDENSING UNIT SCHEDULE

UNIT No	SERVICE	BTUH COOLING OUTPUT	EVAP TEMP	AMBIENT TEMP	FULL LOAD AMPS	ELECTRIC SERVICE	S.E.E.R.	REMARKS	NOTES
CU-1A	AHU-1A	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-1B	AHU-1B	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-1C	AHU-1C	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-1D	AHU-1D	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-2	AHU-2	48,000	40.0	95.0	15.9	208/3/60	14	TRANE MODEL 4TTA3048 OR APPROVED EQUAL	1,2
CU-3	AHU-3	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-4	AHU-4	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-5	AHU-5	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-6A	AHU-6A	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-6B	AHU-6B	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
CU-7	AHU-7	30,000	40.0	95.0	13.4	208/1/160	14	TRANE MODEL 4TTR5030 OR APPROVED EQUAL	1
CU-8	AHU-8	60,000	40.0	95.0	18.2	208/3/60	14	TRANE MODEL 4TTA3060 OR APPROVED EQUAL	1,2
									1,2

1. PROVIDE LOW AMBIENT CONTROLS
2. PROVIDE A IMC450 PROGRAMMABLE THREE PHASE VOLTAGE MONITOR WITH 25 FAULT MEMORY ON ALL EQUIPMENT REQUIRING THREE PHASE ELECTRICAL.

FAN SCHEDULE

No	SERVICE	MIN. CFM	EXT. SP	RPM	SONES	FAN WATTS	TYPE	DRIVE	ELECTRIC SERVICE	CONTROL	REMARKS	NOTES
EF-1	128 MENS RR	300	.3"	1090	1.5	90 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-2	129 WOMEN RR	250	.3"	1005	1.1	77 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-3	130 JANITOR	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-4	137 NURSERY	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-5	140 MENS RR	300	.3"	1090	1.5	90 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-6	141 WOMENS RR	300	.3"	1090	1.5	90 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-7	109 PASTORS WIFE RR	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-8	112 PASTORS RR	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-9	115 RR	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-10	120 RR	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
EF-11	121 JANITOR	50	.3"	834	1.5	32.0 W	CEILING	DIRECT	120/1/60	OCC SENSOR W/ 15 MIN TIMER	COOK MODEL GC OR APPROVED EQUAL	1, 2, 3
												1, 2, 3

1. PROVIDE S.S.S.C. IN FAN HOUSING FOR AIR BALANCING
2. FAN SHALL HAVE W.B.E. GRILLE, BACKDRAFT DAMPER, AND MOUNTING BRACKETS.
3. CEILING MOUNTED OCCUPANCY SENSOR PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

GRILLE SCHEDULE

SYMBOL	SIZE	SERVICE	LOCATION	FINISHED	REMARKS
A	6"ø/24"X24"	SUPPLY	CEILING	W.B.E.	TITUS TMSA-AA OR APPROVED EQUAL
B	8"ø/24"X24"	SUPPLY	CEILING	W.B.E.	TITUS TMSA-AA OR APPROVED EQUAL
C	10"ø/24"X24"	SUPPLY	CEILING	W.B.E.	TITUS TMSA-AA OR APPROVED EQUAL
D	12"ø/24"X24"	SUPPLY	CEILING	W.B.E.	TITUS TMSA-AA OR APPROVED EQUAL
G	16"ø/24"X24"	SUPPLY	CEILING	W.B.E.	TITUS TMSA-AA OR APPROVED EQUAL
E	18"X10"	SUPPLY	SIDEWALL	ALUM.	TITUS 300FS OR APPROVED EQUAL
F	30"X12"	SUPPLY	SIDEWALL	ALUM.	TITUS 300FS OR APPROVED EQUAL
H	10"X10"	SUPPLY	SIDEWALL	ALUM.	TITUS 300FS OR APPROVED EQUAL
J	24"X12"	SUPPLY	DUCT	ALUM.	TITUS 300FS OR APPROVED EQUAL
R	24"X12"	RETURN	CEILING	W.B.E.	TITUS 50FF (LAY IN) OR APPROVED EQUAL
S	24"X24"	RETURN	CEILING	W.B.E.	TITUS 50FF (LAY IN) OR APPROVED EQUAL
T	30"X30"	RETURN	SIDEWALL	ALUM.	TITUS 350FL OR APPROVED EQUAL
U	48"X30"	RETURN	SIDEWALL	ALUM.	TITUS 350FL OR APPROVED EQUAL
V	3/4"	RETURN	DOOR	--	UNDERCUT DOOR 3/4"

* PROVIDE FACTORY APPLIED INSULATION ON TOP OF DIFFUSER. DIFFUSER SHALL HAVE ADJUSTABLE AIR PATTERN.
** PROVIDE INSULATED SQUARE TO ROUND ADAPTER.

WALL MOUNTED ELECTRIC UNIT HEATER

No.	LOCATION	BTUH/Hr.	WATTS	VOLTS	REMARKS
WUH	JANITOR	10,240	3000	208-1-60	RAYWALL MODEL HF3316 OR EQUAL

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-1A	300	1650	1950	--	+300
AHU-1B	300	1650	1950	--	+300
AHU-1C	300	1650	1950	--	+300
AHU-1D	300	1650	1950	--	+300
TOTAL	1200	6600	7800	--	+1200

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-2	240	1360	1600	--	+240
TOTAL	240	1360	1600	--	+240

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-3	300	1650	1950		+300
EF-1	--	--	--	300	-300
TOTAL	300	1650	1950	300	+0

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-4	300	1650	1950		+300
EF-2	--	--	--	250	-250
EF-3	--	--	--	50	-50
TOTAL	300	1650	1950	300	+0

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-5	300	1650	1950		+300
EF-4	--	--	--	50	-300
EF-5	--	--	--	300	-300
EF-6	--	--	--	300	-50
TOTAL	300	1650	1650	650	-350

* MAKE UP AIR IS TRANSFERRED FROM AHU-1A, AHU-1B, AHU-C AHU-1D, AHU-6A, AND AHU-6B.

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-6A	300	1650	1950	--	+300
AHU-6B	300	1650	1950	--	+300
TOTAL	1200	6600	7800	--	+600

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-7	150	850	1000		+150
EF-7	--	--	--	50	-50
EF-8	--	--	--	50	-50
EF-9	--	--	--	50	-50
TOTAL	300	1650	1950	150	+0

AIR BALANCE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-8	300	1650	1950		+300
EF-10	--	--	--	50	-50
EF-11	--	--	--	50	-50
TOTAL	300	1650	1950	100	+200

BUILDING PRESSURE SCHEDULE

ITEM	O.A	R.A.	S.A.	E.A.	PRESSURE
AHU-1A	300	1650	1950	--	+300
AHU-1B	300	1650	1950	--	+300
AHU-1C	300	1650	1950	--	+300
AHU-1D	300	1650	1950	--	+300
AHU-2	240	1360	1600	--	+240
AHU-3	300	1650	1950		+300
AHU-4	300	1650	1950		+300
AHU-5	300	1650	1950		+300
AHU-6A	300	1650	1950	--	+300
AHU-6B	300	1650	1950	--	+300
AHU-7	150	850	1000		+150
AHU-8	300	1650	1950		+300
EF-1	--	--	--	300	-300
EF-2	--	--	--	250	-250
EF-3	--	--	--	50	-50
EF-4	--	--	--	50	-300
EF-5	--	--	--	300	-300
EF-6	--	--	--	300	-50
EF-7	--	--	--	50	-50
EF-8	--	--	--	50	-50
EF-9	--	--	--	50	-50
EF-10	--	--	--	50	-50
EF-11	--	--	--	50	-50
TOTAL	3,390	18,710	22,100	1,500	+1890

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY:
CHKD. BY:

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29360
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

HVAC SCHEDULES

BASE BID

CH-M-300

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

System Tag	Tag Reference	M-NET Address	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	MCA 208/230	Notes / Options
BCCU-1		52	CMB-P108NU-JA2	Main	8	108,000.0	208/230V/1-phase	0.83/0.97	1

Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

System Tag	Tag Reference	M-NET Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Electrical-Per Module 208/230				Notes / Options
											Voltage / Phase	MCA 208/230	RFS	MOCP	
MSCU-1		51	PURY-EP96TNU-A1	EP96	96,000	108,000	95.0	25.1	99,318.0	83,503.4	208/230V / 3-phase 3-wire	44/40	45/45	70/60	1, 2, 3, 4, 5

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) /	Heating Design Entering Temp DB/WB (°F) /	Corrected Capacity					Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm) /	Max Fan ESP Setting 208V/230V (IN WG)	Voltage / Phase	Electrical MCA/MFS	Notes / Options
									Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial (See Note 5, 6)	Heating Capacity (BTU/h)							
CU-1	132 Class/Flex	AC-1-1	PLFY-P15NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	15,000	17,000	80.0/67.0	70	FULL DEMAND	13,794.2	9,375.4	FULL DEMAND	11,635.7	1/4 / 1/2	HIGH	390		208/230V/1-phase	0.35/0.35/15	1, 2, 3, 4
CU-1	133 Class/Flex	AC-1-2	PLFY-P15NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	15,000	17,000	80.0/67.0	70	FULL DEMAND	13,794.2	9,375.4	FULL DEMAND	11,635.7	1/4 / 1/2	HIGH	390		208/230V/1-phase	0.35/0.35/15	1, 2, 3, 4
CU-1	144 Class/Flex	AC-1-3	PLFY-P15NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	15,000	17,000	80.0/67.0	70	FULL DEMAND	13,794.2	9,375.4	FULL DEMAND	11,635.7	1/4 / 1/2	HIGH	390		208/230V/1-phase	0.35/0.35/15	1, 2, 3, 4
CU-1	145 Class/Flex	AC-1-4	PLFY-P15NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	15,000	17,000	80.0/67.0	70	FULL DEMAND	13,794.2	9,375.4	FULL DEMAND	11,635.7	1/4 / 1/2	HIGH	390		208/230V/1-phase	0.35/0.35/15	1, 2, 3, 4
CU-1	148 Choir Practice	AC-1-5	PLFY-EP24NEMU1-E.TH	Ceiling-Cassette (Four-Way)	24,000	27,000	80.0/67.0	70	FULL DEMAND	22,070.7	16,076.1	FULL DEMAND	18,480.3	3/8 / 5/8	HIGH	812		208/230V/1-phase	0.54/0.54/15	1, 2, 3, 4
CU-1	143 Loggia	AC-1-6	PLFY-P12NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	11,035.3	7,672.2	FULL DEMAND	9,240.1	1/4 / 1/2	HIGH	335		208/230V/1-phase	0.29/0.29/15	1, 2, 3, 4

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.
Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply.
It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
6 It is recommended to always base heating corrected capacity on full demand.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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DATE: JULY 2025
DRWN. BY: ET
CHKD. BY: RCC

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29350
PROFESSIONAL ENGINEER

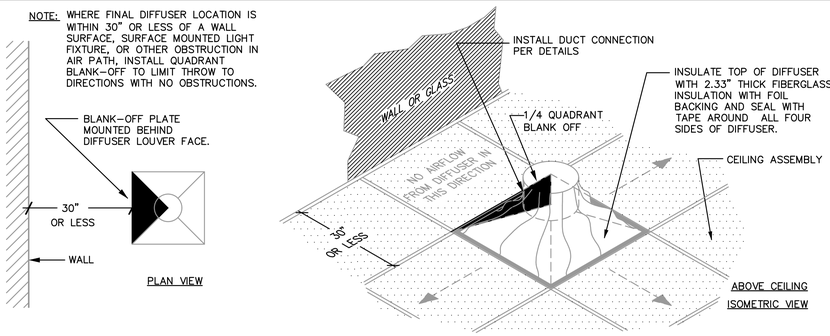
GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 24232

HVAC SCHEDULES

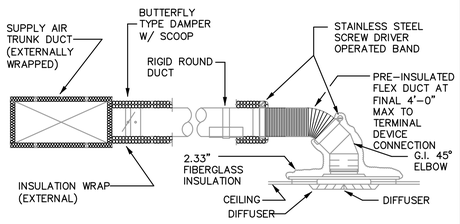
BASE BID

CH-M-301

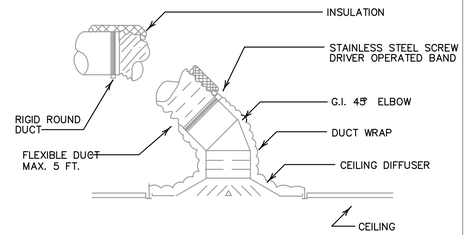


1 DIFFUSER THROW CONTROL DETAIL
NO SCALE

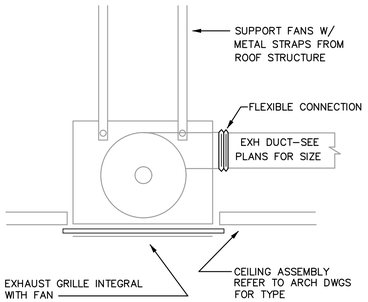
(TYPICAL ALL OBSTRUCTION AREAS)



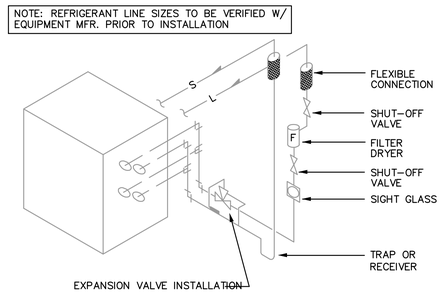
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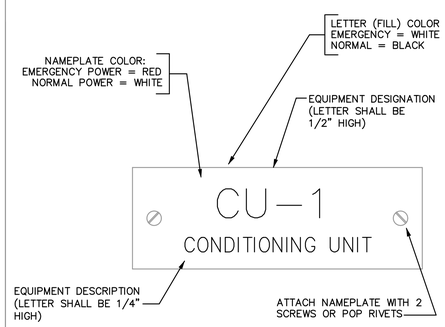
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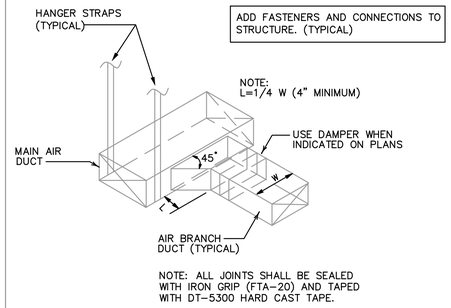
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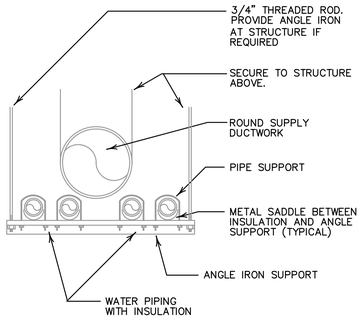
5 TYPICAL REFRIGERANT SCHEME
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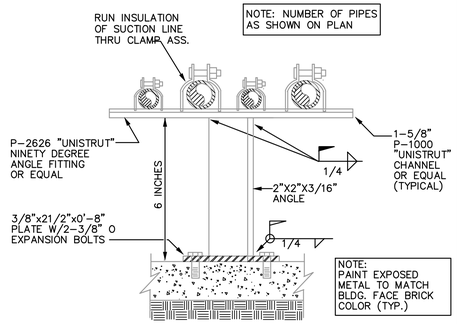
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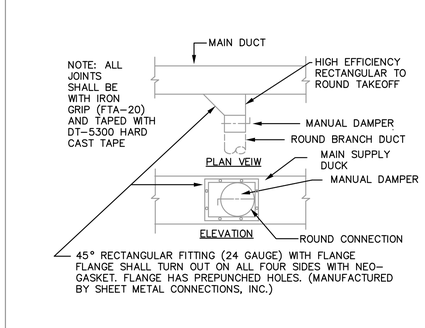
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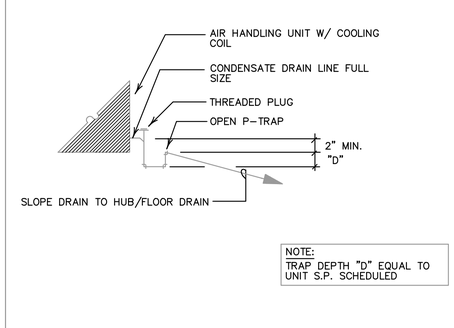
8 PIPE & DUCTWORK SUPPORT DETAIL
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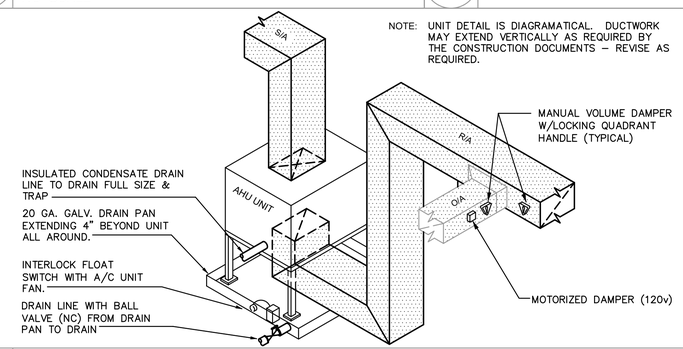
9 REFRIGERANT PIPE SUPPORT DETAIL
NO SCALE



10 SUPPLY OR RETURN AIR DUCT CONNECTION DETAIL
NO SCALE



11 AIR HANDLING UNIT DRAIN PIPING DIAGRAM
NO SCALE



12 TYPICAL VERTICAL AIR HANDLING UNIT DIAGRAM
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: ET
CHKD. BY: RCC

REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29350
8/1/25
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

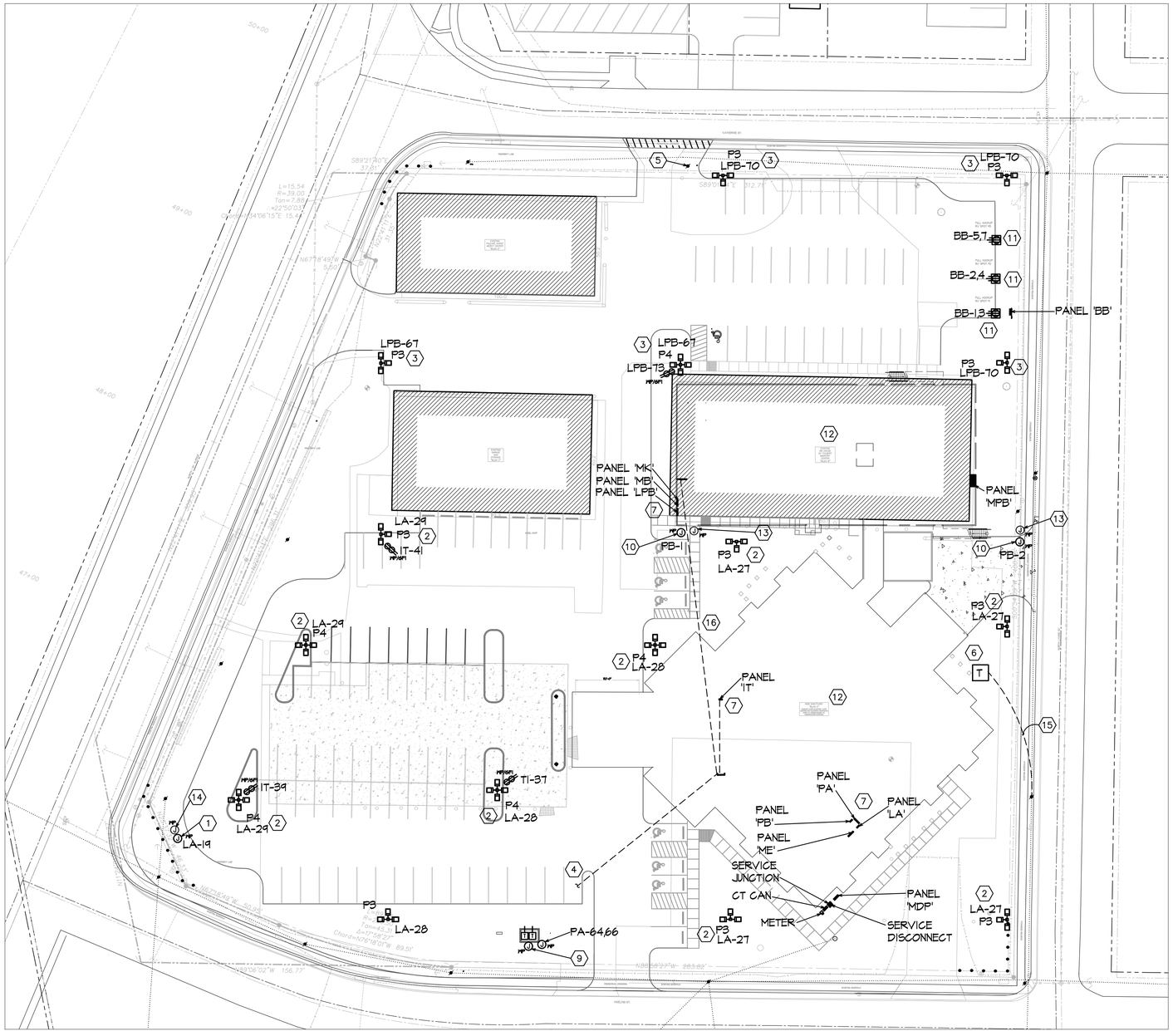
HVAC DETAILS

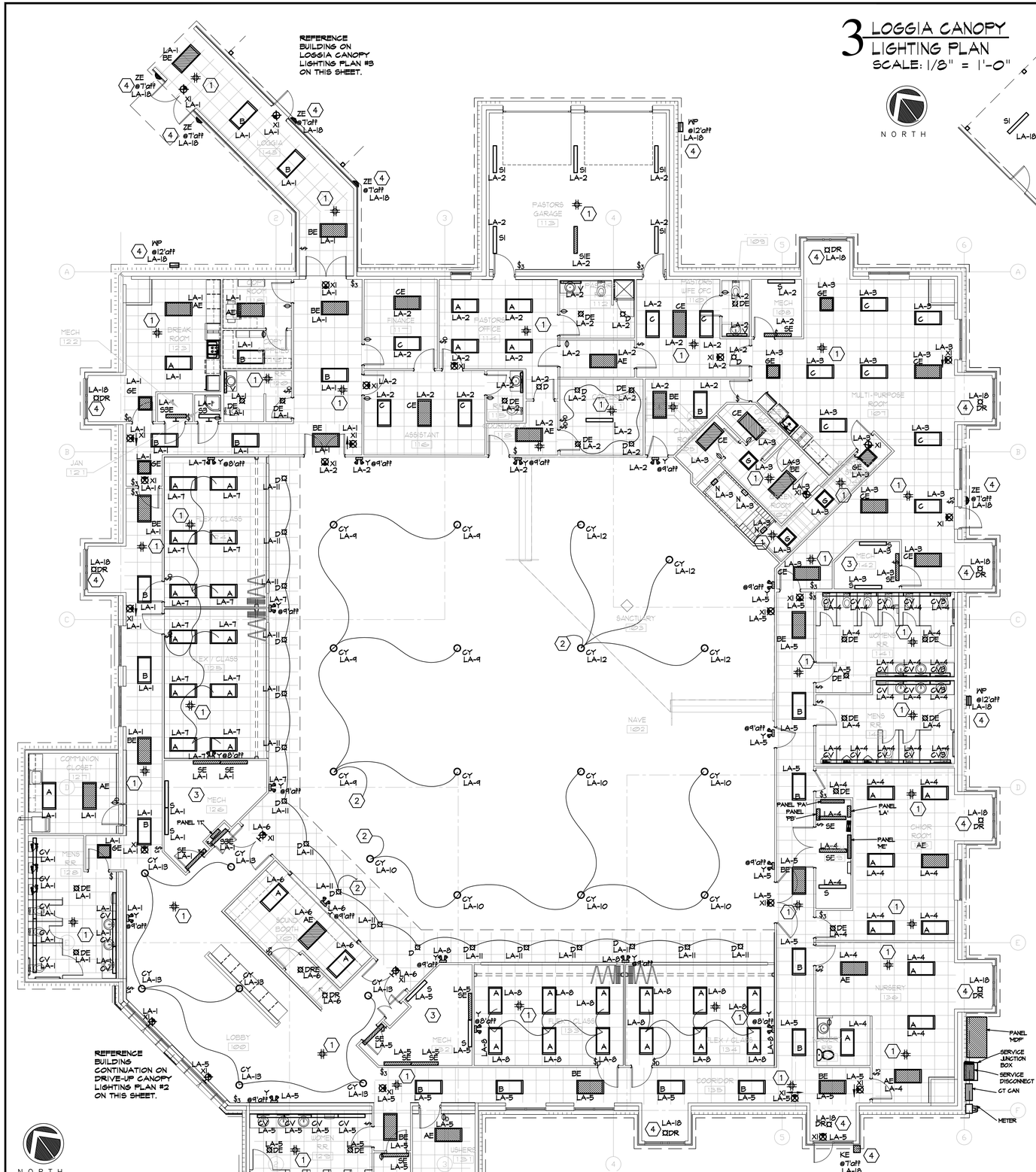
BASE BID

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

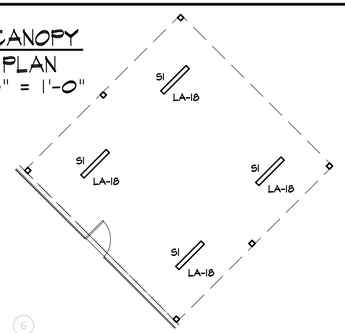
Project No. 24232

CH-M-400


LPB-67
P3
LPB-73
P4
LPB-70
P3
BB-5,7
BB-2,4
BB-1,3
PANEL 'BB'
PANEL 'MK'
PANEL 'MB'
PANEL 'LPB'
PANEL 'MPB'
PB-1
PB-2
LA-29
P3
IT-41
LA-27
P3
P4
LA-28
PANEL 'IT'
IT-39
TI-37
LA-19
PANEL 'PA'
PANEL 'PB'
PANEL 'LA'
PANEL 'ME'
SERVICE JUNCTION
CT CAN
METER
PANEL 'MDP'
SERVICE DISCONNECT
PA-64,66
LA-27
P3
N67°18'49"W 5.82'
N67°18'49"W 283.88'
N22°41'11"E 312.71'
S89°21'30"E 373.47'
N22°41'11"E 312.71'
S89°21'30"E 373.47'
N67°18'49"W 283.88'
S22°41'11"W 312.71'
S89°21'30"E 373.47'
N22°41'11"E 312.71



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



3 LOGGIA CANOPY LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.

B. EXTEND UN-SWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY LIGHTING UNITS AND EMERGENCY BATTERY PACK. REFER TO SPECIFICATIONS.

C. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.

D. VERIFY MOUNTING HEIGHT OF ALL FIXTURES WITH ARCHITECT/OWNER PRIOR TO PURCHASING FIXTURES AND/OR ROUGH-IN.(TYPICAL)

E. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.

F. SHOULD IT BE NECESSARY TO RUN ANY ELECTRICAL SERVICES, CONDUITS, ETC. THROUGH THE BUILDING'S FOOTINGS, CONTRACTOR SHALL REFER TO THE STRUCTURAL DRAWINGS FOR ADDITIONAL RE-INFORCEMENT REQUIREMENTS. WHERE ELECTRICAL SERVICES ARE RUN PARALLEL TO THE FOOTINGS. ALSO REFER TO STRUCTURAL DRAWINGS FOR THE MINIMUM CLEAR DISTANCE TO MAINTAIN BETWEEN THE FOOTING AND THE CONDUIT.

G. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.

H. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.

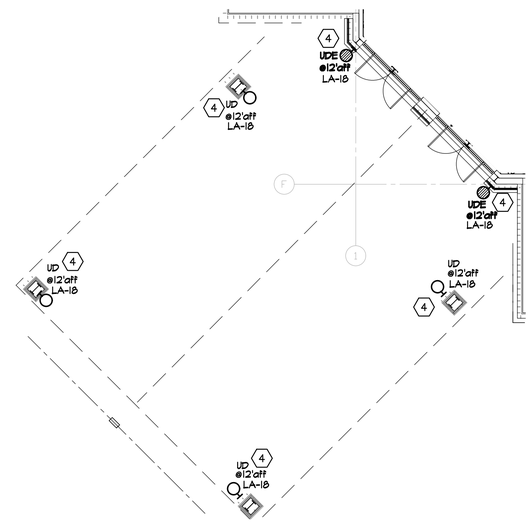
I. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

J. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

O. AS A MINIMUM ALL LIGHTING SHALL COMPLY WITH THE 2021 EDITION OF IECC.

LIGHTING NOTES:

1. EXTEND CIRCUIT THRU MOTION SENSOR/CONTACTOR TO AUTOMATICALLY TURN LIGHTS OFF. A MAXIMUM OF 20 MINUTES AFTER ALL OCCUPANTS LEAVE SPACE. MANUAL SWITCH AND/OR OCCUPANCY SENSOR, TO TURN LIGHTS 'ON', TO NOT MORE THAN 50% POWER. SWITCH MAY THEN BE USED TO TURN LIGHT UP TO 100% POWER. (TYPICAL)
2. EXTEND CIRCUIT VIA SOUND BOOTH LIGHTING CONTROL DISPLAY CONSOLE. VERIFY EXACT REQUIREMENTS, SWITCHING ROUTING, MOUNTING & LOCATION, CIRCUITING W/SOUND BOOTH VENDOR AND OWNER/ARCHITECT PRIOR TO ANY ROUGH-IN (TYPICAL)
3. COORDINATE EXACT LOCATION & MOUNTING OF FIXTURE TYPE 'S' & 'SE' WITH MECHANICAL EQUIPMENT & DUCTWORK PRIOR TO ROUGH-IN.
4. ALL FIXTURES DENOTED BY KEYNOTE SHALL BE ON SAME CIRCUIT & HOMERUN VIA PHOTOCELL & TIME CLOCK TO 120/208 VOLT MECHANICALLY HELD 6 POLE LIGHTING CONTACTOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN.



NORTH

2 DRIVE-UP CANOPY LIGHTING PLAN
SCALE: 1/8" = 1'-0"

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO:	2316
DATE:	JULY 2025
DRWN. BY:	PMB
CHKD. BY:	PM

REVISIONS

STATE OF LOUISIANA
DAVID B. STELLY
License No. 26070
08/01/2025
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

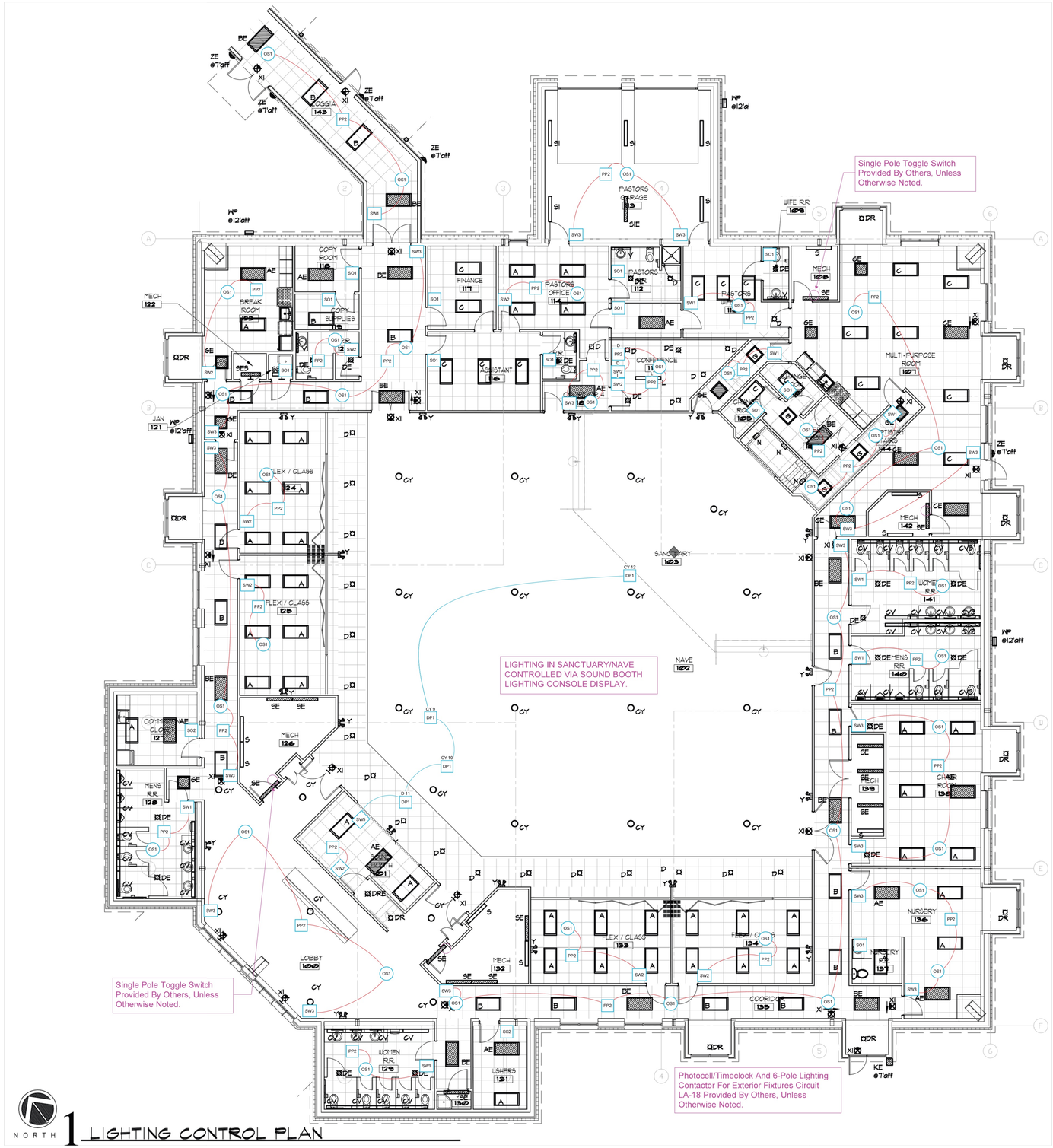
LIGHTING PLAN

BASE BID

CC-E-100

ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232



1 LIGHTING CONTROL PLAN

A LEA - LIGHTING CONTROL PLAN
NOT TO SCALE

PRODUCT LEGEND LC1.0			
40	OS1	CM PDT 10	Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens
1	SW5	NPOD TOUCH XX	Low Voltage Wallpod, Touchscreen Wall Control
4	DP1	NPP16 D EFP SA	Power/Relay Pack, Dimming, External Fault Protection, Vacancy (default) or Auto-On
29	PP2	PP20	Power Pack
10	SW2	SPODMA D SA XX	Wall Switch, Dimming, Vacancy (default) or Auto-On
17	SW3	SPODMA SA 3X XX	Wall Switch, Vacancy (default) or Auto-On, Multi-Way
8	SW1	SPODMA SA XX	Wall Switch, Vacancy (default) or Auto-On
2	SO2	WSXA PDT D SA XX	Wall Switch Sensor, Passive Dual Technology, Dimming, Vacancy (default) or Auto-On
12	SO1	WSXA PDT SA XX	Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On

WIRE LEGEND LC1.0	
	CAT5 nLight Pre-terminated CAT5e cable for nLight communication network
	LV Low voltage cable

LEA LIGHTING & ELECTRICAL ASSOCIATES

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: PMB
CHKD. BY: DBS

REVISIONS

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

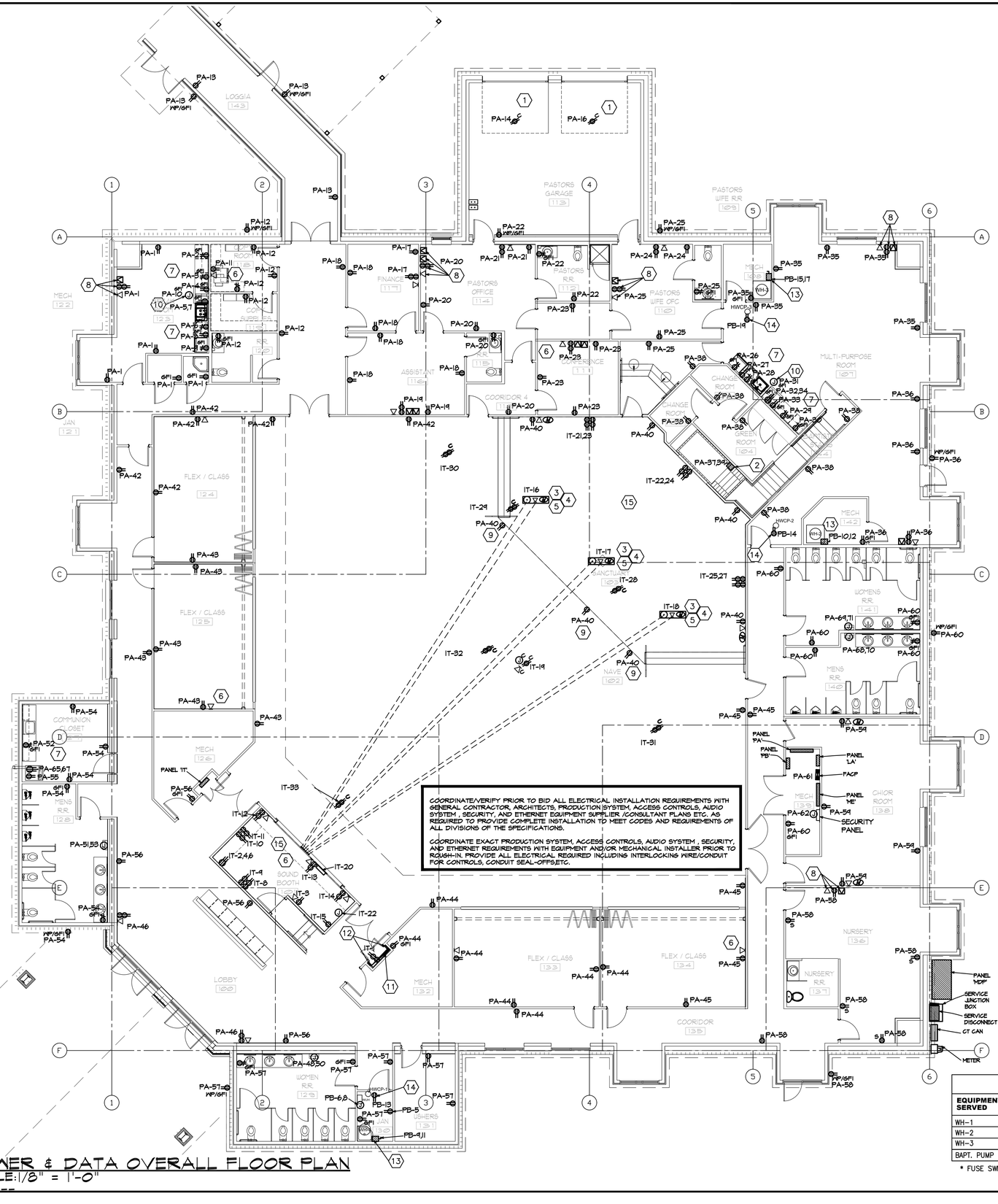
LIGHTING CONTROL PLAN CHURCH

BASE BID

CC-E-LC1

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232



NORTH

1 POWER & DATA OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.

B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.

C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.

D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.

E. RECEPTACLES WITHIN 6' OF A SINK OR LAVATORY SHALL HAVE GFCI PROTECTION.

F. DATA DROPS SHOWN ADJACENT TO COUNTER-TOP DUPLEX RECEPTACLES SHALL BE ROUGHED-IN AT COUNTER-TOP HEIGHT ALSO.

G. COORDINATE EXACT PLACEMENT FOR ALL DEVICES WHERE MILLWORK IS PRESENT PRIOR TO ROUGH-IN. DO NOT ROUGH-IN BEHIND CABINETS, DRAWERS, ETC RENDERING DEVICE UNUSABLE.

H. ALL 20A 125V DUPLEX RECEPTACLES INSTALLED OUTDOORS SHALL HAVE GFCI PROTECTION AND SHALL RECEIVE WP WHILE IN USE COVER PLATE AS SPECIFIED.

I. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.

J. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

K. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

L. COMPLETE CONNECTIONS TO ALL EQUIPMENT AND PROVIDE PROPER CONDUIT SUPPORTS/STRAPS REQUIRED FOR SECURE INSTALLATIONS. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

M. REFER TO SPECIFICATIONS PRIOR TO ANY ROUGH-IN WORK FOR SPECIFIC REQUIREMENTS RELATIVE TO ROUGH-IN OF DEVICES.

N. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS VERIFYING THAT THE WORK CAN BE PERFORMED AS DESCRIBED IN THESE DEMOLITION DRAWINGS, PRIOR TO SUBMITTING A BID.

O. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL LOCATE ALL WORK TO REMAIN, INCLUDING, BUT NOT LIMITED TO PLUMBING, HVAC, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL, AND SHALL PROTECT SUCH WORK FROM DAMAGE DURING DEMOLITION AND NEW CONSTRUCTION.

P. THE CONTRACTOR SHALL AT ALL TIMES CONSULT WITH THE ARCHITECT AND FOLLOW DIRECTIVES ISSUED BY THE ARCHITECT WHICH WILL ENSURE THE CONTINUED SAFE FUNCTIONING OF THE OWNERS OPERATIONS. THE CONTRACTOR SHALL MINIMIZE ENCUMBRANCES TO THE OWNER'S OPERATIONS AT ALL TIMES AND SHALL NOTIFY THE ARCHITECT OF ANY WORK AFFECTING THE OPERATION OF THE OWNER AT LEAST THREE DAYS PRIOR TO PERFORMING SAID WORK.

Q. BACKBOXES SHALL RECEIVE FIRE-RATED PUTTY PADS WHERE OCCURRING IN RATED WALLS.

R. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. DIMENSIONS AND CONDITIONS TYING INTO OR GOVERNED BY EXISTING CONDITIONS ARE APPROXIMATE AND ARE NOT PURPORTED TO BE CORRECT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PERFORMING WORK, PREPARING SHOP DRAWINGS, OR ORDERING MATERIALS.

S. THE CONTRACTOR SHALL ASK FOR DETAILS AND/OR INSTRUCTIONS WHEN UNCERTAIN HOW TO PROCEED. THE LACK OF NOT REQUESTING DETAILS DOES NOT EXCUSE SLOPPY OR IMPROPER WORK. CORRECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COSTS TO THE OWNER.

T. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ALL SALVAGED ITEMS TO AN OWNER DESIGNATED STORAGE FACILITY.

POWER & SPECIAL SYSTEMS PLAN KEYNOTES:

1. CONTRACTOR SHALL PROVIDE LOW VOLTAGE CONTROL WIRING FOR GARAGE DOOR PUSH BUTTON, SAFETY SENSOR, ETC. COORDINATE WITH DOOR INSTALLER PRIOR TO ROUGH-IN.
2. CONTRACTOR SHALL PROVIDE BONDING FOR THE BAPTISTERY PER N.E.C. ARTICLE 680.
3. ROUTE CIRCUITING BELOW FLOOR/SLAB FROM JUNCTION BOX TO SOUND BOOTH 108 FOR POWER. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. REFER TO PANEL 'IT' SCHEDULE FOR REQUIREMENTS. COORDINATE COVER/TERMINATION TYPE TO PROPERLY INTERFACE WITH SOUND BOOTH SUPPLIER.
4. ROUTE EMPTY TWO (2) 1"c. w/PULL STRING BELOW FLOOR/SLAB FROM JUNCTION BOX TO SOUND BOOTH 108 FOR DATA ACCESS CABLES. VERIFY EXACT LOCATION & NUMBER OF DATA CABLES TO INSTALL PRIOR TO ROUGH-IN. COORDINATE COVER/TERMINATION TYPE TO PROPERLY INTERFACE WITH SOUND BOOTH SUPPLIER.
5. REFER TO SPECIFICATIONS FOR FLOOR BOX REQUIREMENTS. FLOOR BOX CONTENTS ARE SHOWN AS SEPARATE ITEMS ON PLANS FOR CLARITY. HOWEVER, ALL DEVICES SHOWN/SPECIFIED SHALL BE CONTAINED IN ONE(1) FLOOR BOX AT THIS LOCATION.
6. REFER TO SPECIFICATIONS FOR TEL/DATA OUTLET REQUIREMENTS. (TYPICAL)
7. COORDINATE ROUGH-IN OF OUTLETS AT COUNTER W/ARCHITECTURAL ELEV. (MICROWAVE, REFRIG. ETC.)
8. VERIFY EXACT HEIGHT & LOCATION OF T.V., POWER & DATA OUTLETS W/ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
9. MOUNT RECEPTACLES ON FACE OF PLATFORM @26"AFF. VERIFY EXACT LOCATION W/OWNER & ARCHITECTURAL PRIOR TO ROUGH-IN.
10. EXTEND AND CONNECT TO KITCHEN HOOD LIGHTS & EXHAUST FAN. VERIFY EXACT LOCATION AND REQUIREMENTS WITH APPROVED MANUFACTURER SPECIFICATIONS AND ARCHITECTURAL ELEV. PRIOR TO ROUGH-IN.
11. 4'x8'x3/4" PLYWOOD TELEPHONE BACKBOARD.
12. EXTEND 4 - 2" CONDUIT W/NYLON PULLSTRING TO PROPERTY LINE FOR DATA/COMMUNICATIONS. INSTALL CONDUIT 36" BFG.
13. MOUNT DISCONNECT SWITCH NEXT TO WATER HEATER UNIT. VERIFY EXACT HEIGHT & LOCATION W/GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
14. EXTEND AND CONNECT TO HNCP. VERIFY EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
15. ALL SOUND EQUIPMENT SHALL BE DE ENERGIZED OR MUTED UPON ACTIVATION OF FIRE AJARM SYSTEM. INTERFACE ALL SUCH CIRCUITRY AND CONTROLS WITH FIRE ALLARM PANEL (TYPICAL)

SAFETY SWITCH SCHEDULE

EQUIPMENT SERVED	AMPERAGE RATING	VOLTAGE RATING	POLES	DUTY LISTING	NEMA RATING	FUSE SIZE
WH-1	30	240	2	HEAVY	1	*
WH-2	30	240	2	HEAVY	1	*
WH-3	60	240	2	HEAVY	1	*
BAPT. PUMP	100	240	2	HEAVY	3R	*

* FUSE SWITCH AT EQUIPMENT MANUFACTURER'S RECOMMENDATIONS

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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DRWN. BY: PMB
CHKD. BY: PM

REVISIONS

STATE OF LOUISIANA
DAVID B. STELLY
License No. 26070
08/01/2025
PROFESSIONAL ENGINEER

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

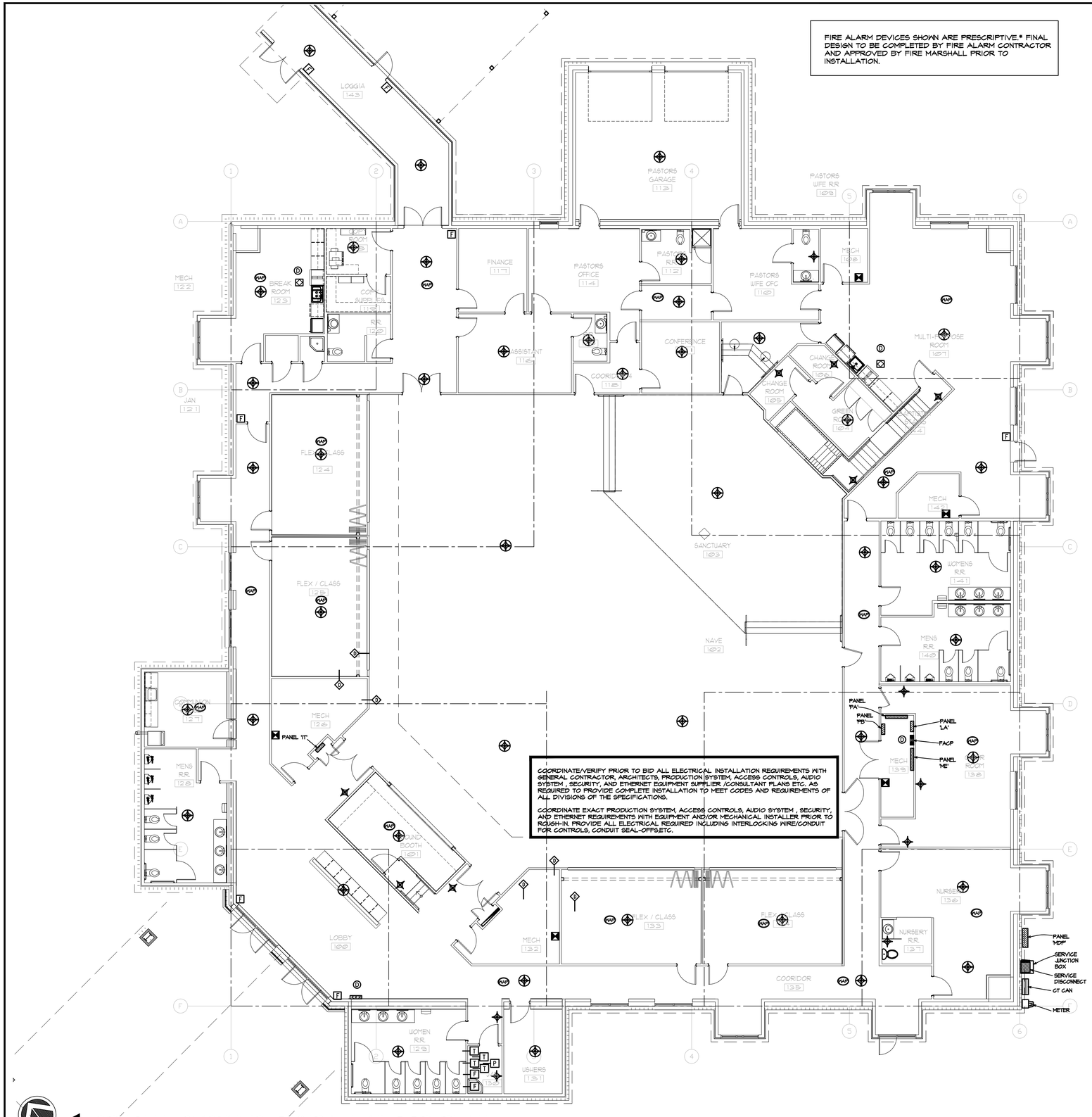
POWER & SPECIAL SYSTEMS PLAN

BASE BID

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

CC-E-200



1 SPECIAL SYSTEMS OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.

B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.

C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.

D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.

E. RECEPTACLES WITHIN 6' OF A SINK OR LAVATORY SHALL HAVE GFCI PROTECTION.

F. DATA DROPS SHOWN ADJACENT TO COUNTER-TOP DUPLEX RECEPTACLES SHALL BE ROUGHED-IN AT COUNTER-TOP HEIGHT ALSO.

G. COORDINATE EXACT PLACEMENT FOR ALL DEVICES WHERE MILLWORK IS PRESENT PRIOR TO ROUGH-IN. DO NOT ROUGH-IN BEHIND CABINETS, DRAWERS, ETC RENDERING DEVICE UNUSABLE.

H. ALL 20A 125V DUPLEX RECEPTACLES INSTALLED OUTDOORS SHALL HAVE GFCI PROTECTION AND SHALL RECEIVE WP WHILE IN USE COVER PLATE AS SPECIFIED.

I. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.

J. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

K. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

L. COMPLETE CONNECTIONS TO ALL EQUIPMENT AND PROVIDE PROPER CONDUIT SUPPORTS/STRAPS REQUIRED FOR SECURE INSTALLATIONS. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

M. REFER TO SPECIFICATIONS PRIOR TO ANY ROUGH-IN WORK FOR SPECIFIC REQUIREMENTS RELATIVE TO ROUGH-IN OF DEVICES.

N. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS VERIFYING THAT THE WORK CAN BE PERFORMED AS DESCRIBED IN THESE DEMOLITION DRAWINGS, PRIOR TO SUBMITTING A BID.

O. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL LOCATE ALL WORK TO REMAIN, INCLUDING, BUT NOT LIMITED TO PLUMBING, HVAC, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL, AND SHALL PROTECT SUCH WORK FROM DAMAGE DURING DEMOLITION AND NEW CONSTRUCTION.

P. THE CONTRACTOR SHALL AT ALL TIMES CONSULT WITH THE ARCHITECT AND FOLLOW DIRECTIVES ISSUED BY THE ARCHITECT WHICH WILL ENSURE THE CONTINUED SAFE FUNCTIONING OF THE OWNERS OPERATIONS, THE CONTRACTOR SHALL MINIMIZE ENCUMBRANCES TO THE OWNER'S OPERATIONS AT ALL TIMES AND SHALL NOTIFY THE ARCHITECT OF ANY WORK AFFECTING THE OPERATION OF THE OWNER AT LEAST THREE DAYS PRIOR TO PERFORMING SAID WORK.

Q. BACKBOXES SHALL RECEIVE FIRE-RATED PUTTY PADS WHERE OCCURRING IN RATED WALLS.

R. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. DIMENSIONS AND CONDITIONS TYING INTO OR GOVERNED BY EXISTING CONDITIONS ARE APPROXIMATE AND ARE NOT PURPORTED TO BE CORRECT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PERFORMING WORK, PREPARING SHOP DRAWINGS, OR ORDERING MATERIALS.

S. THE CONTRACTOR SHALL ASK FOR DETAILS AND/OR INSTRUCTIONS WHEN UNCERTAIN HOW TO PROCEED. THE LACK OF NOT REQUESTING DETAILS DOES NOT EXCUSE SLOPPY OR IMPROPER WORK. CORRECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COSTS TO THE OWNER.

T. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ALL SALVAGED ITEMS TO AN OWNER DESIGNATED STORAGE FACILITY.

U. INDICATING CIRCUIT LAYOUT SHALL BE BASED ON 1.5 AMP PER INDICATING CIRCUIT, AVAILABLE NUMBER AND LAYOUT OF CIRCUITS MAY BE REVISED UPON APPROVAL OF THE ENGINEER IF AVAILABLE INDICATING APPLIANCE POWER PER CIRCUIT DIFFERS FROM 1.5 AMP UTILIZED IN DESIGN. HOWEVER, THE DESIGN SHALL NOT RESULT IN A LOAD GREATER THAN (80) EIGHTY PERCENT OF THE AVAILABLE POWER FOR THE ALARM INDICATING CIRCUIT.

V. CONNECTION OF FACP TO 120 VOLT POWER SUPPLY SHALL BE ON A DEDICATED BRANCH CIRCUIT, THE CIRCUIT DISCONNECTION MEANS SHALL HAVE A RED MARKING, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL". THE LOCATION OF THE CIRCUIT DISCONNECT MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

W. ALL SMOKE DETECTORS SHALL BE MOUNTED NO LESS THAN (3) THREE FEET AWAY FROM ALL A/C VENTS.

X. CONTRACTOR SHALL REFER TO SITE PLAN(S) FOR ADDITIONAL WORK.

Y. CONTRACTOR SHALL REFER TO APPROVED FIRE PROTECTION SYSTEM SHOP DRAWINGS AND SHALL PROVIDE PROPER FIRE ALARM SYSTEM INTERFACE TO ALL FLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES, FIRE PUMP INTERFACE, ETC., AS REQUIRED BY CODE AT NO ADDITIONAL COST TO THE OWNER.

Z. CONTRACTOR SHALL PROVIDE AREA SMOKE DETECTOR AT LOCATIONS OF FIRE ALARM EQUIPMENT AS REQUIRED BY NFPA 72.

AA. CONTRACTOR SHALL INSTALL SURGE PROTECTION IN ACCORDANCE WITH NFPA 70 AND 72 AT ALL POINTS WHERE FIRE ALARM CIRCUITS ENTER OR LEAVE THE BUILDING.

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
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337.494.0806
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Phone: (337) 234-5710
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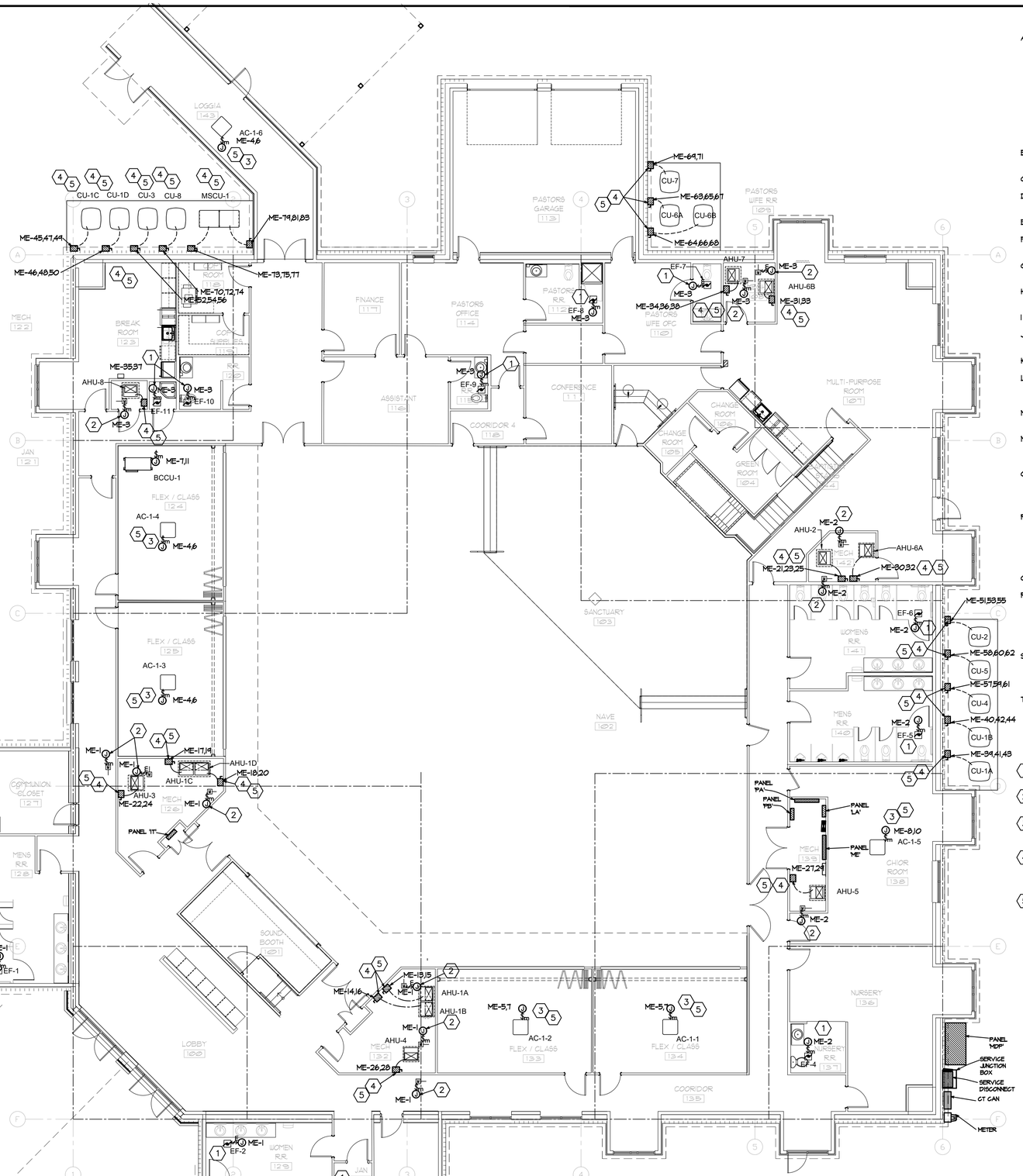
Project No. 24232

CC-E-300

SAFETY SWITCH SCHEDULE

EQUIPMENT SERVED	AMPERAGE RATING	VOLTAGE RATING	POLES	DUTY LISTING	NEMA RATING	FUSE SIZE
AHU-1A	200	240	2	HEAVY	1	*
AHU-1B	200	240	2	HEAVY	1	*
AHU-1C	200	240	2	HEAVY	1	*
AHU-1D	200	240	2	HEAVY	1	*
AHU-2	100	240	3	HEAVY	1	*
AHU-3	200	240	2	HEAVY	1	*
AHU-4	200	240	2	HEAVY	1	*
AHU-5	200	240	2	HEAVY	1	*
AHU-6A	200	240	2	HEAVY	1	*
AHU-6B	200	240	2	HEAVY	1	*
AHU-7	100	240	3	HEAVY	1	*
AHU-8	200	240	2	HEAVY	1	*
CU-1A	60	240	3	HEAVY	3R/12	*
CU-1B	60	240	3	HEAVY	3R/12	*
CU-1C	60	240	3	HEAVY	3R/12	*
CU-1D	60	240	3	HEAVY	3R/12	*
CU-2	30	240	3	HEAVY	3R/12	*
CU-3	60	240	3	HEAVY	3R/12	*
CU-4	60	240	3	HEAVY	3R/12	*
CU-5	60	240	3	HEAVY	3R/12	*
CU-6A	60	240	3	HEAVY	3R/12	*
CU-6B	60	240	3	HEAVY	3R/12	*
CU-7	30	240	2	HEAVY	3R/12	*
CU-8	60	240	3	HEAVY	3R/12	*
MSCU-1A	100	240	3	HEAVY	3R/12	*
MSCU-1B	60	240	3	HEAVY	3R/12	*

* FUSE SWITCH AT EQUIPMENT MANUFACTURER'S RECOMMENDATIONS



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T. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ALL SALVAGED ITEMS TO AN OWNER DESIGNATED STORAGE FACILITY.

HVAC POWER PLAN KEYNOTES:

1. EXTEND AND CONNECT TO SENSOR (PROVIDED BY MECH.) COORDINATE EXACT LOCATION W/MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
2. EXTEND AND CONNECT TO MOTORIZED DAMPER. COORDINATE EXACT LOCATION W/MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
3. EXTEND AND ROUTE 1"c TO OUTDOOR CU UNIT FOR CONTROLS. COORDINATE CONNECTION LOCATION & REQUIREMENTS W/MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. EXTEND & COMPLETE CONNECTIONS TO EQUIPMENT.
4. EXTEND AND MAKE CONNECTIONS FROM DISCONNECT TO MECHANICAL EQUIPMENT. COORDINATE CONNECTION LOCATION & REQUIREMENTS W/MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. EXTEND & COMPLETE CONNECTIONS TO EQUIPMENT. REFER TO DETAIL AND SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
5. COMPLETE CONNECTIONS TO EQUIPMENT. COORDINATE CONNECTION REQUIREMENTS W/MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. REFER TO DETAIL AND SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

NORTH

1 HVAC POWER OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
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ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
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Phone: (337) 234-5710
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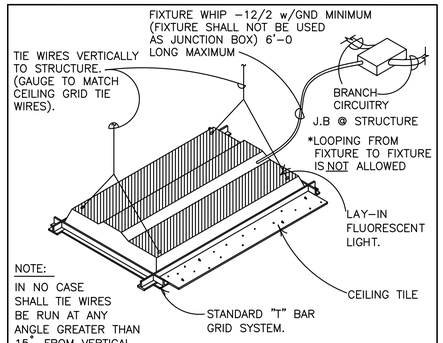
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LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	LUMENS	VOLTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	WATTAGE
A	2x4 FLAT PANEL	5983LM	MVOLTS	RECESSED	LITHONIA	CPX 2X4 6000ML 80CRI 35K SWL MIN10 ZT MVOLT	41.8
AE	2x4 FLAT PANEL w/BATTERY PACK	5983LM	MVOLTS	RECESSED	LITHONIA	CPX 2X4 6000ML 80CRI 35K SWL MIN10 ZT MVOLT E10WLCP	41.8
B	2x4 FLAT PANEL	4986LM	MVOLTS	RECESSED	LITHONIA	CPX 2X4 4000ML 80CRI 35K SWL MIN10 ZT MVOLT	34.8
BE	2x4 FLAT PANEL w/BATTERY PACK	4986LM	MVOLTS	RECESSED	LITHONIA	CPX 2X4 4000ML 80CRI 35K SWL MIN10 ZT MVOLT E10WLCP	34.8
C	2x4 FLAT PANEL	5069LM	MVOLTS	RECESSED	LITHONIA	CPX 2X4 5000ML 80CRI 35K SWL MIN10 ZT MVOLT	40.0
CE	2x4 FLAT PANEL w/BATTERY PACK	5069LM	MVOLTS	RECESSED	LITHONIA	CPX 2X4 5000ML 80CRI 35K SWL MIN10 ZT MVOLT E10WLCP	40.0
CY	LED UFO HIGH BAY	24000LM	MVOLTS	PENDANT@24" (4)	LIRON LIGHTING	UHB3-UW-2CCT-150W-MS01-ALRFL150-Pandant (1) (4)	150
CV	COVE LIGHTING	1649LM	MVOLTS	RECESSED	PAL	PS5-A-MO-K35-80-4-OF-WTR-LOH-UNV-DM1-EBPHIST	18
CV3	COVE LIGHTING	1039LM	MVOLTS	RECESSED	PAL	PS5-A-MO-K35-80-3-4-OF-WTR-LOH-UNV-DM1-EBPHIST	16
D	LED DOWN LIGHT	1573LM	MVOLTS	RECESSED	LITHONIA	LDN6 35/15 L06AR LS MVOLT EZ10	17.52
DE	LED DOWN LIGHT w/BATTERY PACK	1573LM	MVOLTS	RECESSED	LITHONIA	LDN6 35/15 L06AR LS MVOLT EZ10 EZ10	17.52
G	2x2 FLAT PANEL	2167LM	MVOLTS	RECESSED	LITHONIA	CPX 2X2 2000ML 80CRI 35K SWL MIN10 ZT MVOLT	15.6
GE	2x2 FLAT PANEL w/BATTERY PACK	2167LM	MVOLTS	RECESSED	LITHONIA	CPX 2X2 2000ML 80CRI 35K SWL MIN10 ZT MVOLT E10WLCP	15.6
L	DIRECT/INDIRECT LEANER	3725LM	120	SUSPENDED	PEERLESS	EGRML LLP 4 MSL4 80CRI 35K I700LMF 300LMF MIN1 ZT120 F1 (2)	20
KE	EXTERIOR WALL PACK w/Battery pack	LED	MVOLTS	SURFACE	LITHONIA	AFB QEL * UVOLT N RTWT CW	2.50
N	NICHE LIGHT	1573LM	MVOLT	RECESSED	HYDREL	4415 N * 120 WFL NM 34B CSL** LP	12
P3	THREE HEAD AREA LIGHT	42545LM	MVOLT	25'POLE	LITHONIA	DSX1 LED P4 40K T4M MVOLT RPA DBLXD	375
P4	FOUR HEAD AREA LIGHT	56727LM	MVOLT	25'POLE	LITHONIA	DSX1 LED P4 40K T4M MVOLT RPA DBLXD	500
PP	POLE w/ELECTRICAL DUPLEX RECEPTACLES & WIND 150 MPH RATING	N/A	N/A	25'POLE	HAPCO	RSS 25 B 4 – 4 D** GF1 *	N/A
S	4' LED LINEAR	7517LM	MVOLTS	SURFACE	LITHONIA	CLX L48 7000LM SEF RDL MVOLT 35K GZ10 80CRI	49.05
SE	4' LED LINEAR w/BATTERY PACK	7517LM	MVOLTS	SURFACE	LITHONIA	CLX L48 7000LM SEF RDL MVOLT 35K GZ10 80CRI E10WCP	49.05
S1	4' LED LINEAR	2737LM	MVOLTS	SURFACE	LITHONIA	CLX L48 3000LM SEF RDL MVOLT 35K GZ10 80CRI	20.32
S1E	4' LED LINEAR w/BATTERY PACK	2737LM	MVOLTS	SURFACE	LITHONIA	CLX L48 3000LM SEF RDL MVOLT 35K GZ10 80CRI E10WCP	20.32
S3	3' LED LINEAR	3388LM	MVOLTS	SURFACE	LITHONIA	CLX L36 3000LM SEF RDL MVOLT 35K GZ10 80CRI	20.8
S3E	3' LED LINEAR w/BATTERY PACK	3388LM	MVOLTS	SURFACE	LITHONIA	CLX L36 3000LM SEF RDL MVOLT 35K GZ10 80CRI E10WCP	20.8
UD	EXTERIOR CYLINDER	8127LM	MVOLTS	SURFACE	LUMINUS	SYR602 L2L40 VWDU VWDD 40K MVOLT SWK LSLU LSLD A360UD	86
UDE	EXTERIOR CYLINDER w/Remote Battery pack	8127LM	MVOLTS	SURFACE	LUMINUS	SYR602 L2L40 VWDU VWDD 40K MVOLT SWK LSLU LSLD REM7 A360D	86
LC	LIGHTING CONTROL CONSOLE	N/A	120	SURFACE	PATHWAY	PWCOG DT 512 (3)	15w
V	VANITY LIGHT	2650LM	MVOLT	SURFACE	LITHONIA	FMVCCLS 36IN MVOLT 35K 09CRI *	26.39
WP	EXTERIOR WALL PACK	2996LM	MVOLT	SURFACE	LITHONIA	TWX1 LED P2 40K MVOLT *	22.46
X1	SINGLE FACE EXIT SIGN LIGHT	L.E.D	120/277	UNIVERSAL	LITHONIA	LQC 1 R EL N	--
X2	DOUBLE FACE EXIT SIGN LIGHT	L.E.D	120/277	UNIVERSAL	LITHONIA	LQC 2 R EL N	--
Y	EMERGENCY LIGHT UNIT	L.E.D	120/277	WALL	LITHONIA	ELM2 LED SD	--
ZE	EXTERIOR WALL SCONCE w/BATTERY PACK	1500LM	MVOLT	SURFACE	LITHONIA	ARC1 LED P1 40K E4WH	11
DR	LED ADJUSTIBAL DOWN LIGHT	1007L	120	RECESSED	JUNO	WF6 ADJ SWW5 90CRI MW M6WF8643 PAN WF6GR MW (1) (2)	10W

* CUSTOM COLOR BY ARCHITECT TO BE SELECTED DURING SHOP DRAWING PROCESS
** MOUNTING OPTIONS AS REQUIRED TO BE SELECTED DURING SHOP DRAWING PROCESS

(1) WITH ALL REQUIRED MOUNTING ACCESSOIES
(2) VERIFY CEILING TYPE/MOUNTING PRIOR TO BID
(3) PROVIDE ALL CONTROL WIRING, ACCESSORIES AS REQUIRED & COORDINATE REQUIREMENTS WITH SOUND BOOTH SUPPLIER &OWNER PRIOR TO BID.
(4) VERIFY EXACT MOUNTING HEIGHT W/SUPPLIER, & ARCHITECT/OWNER. VERIFY CEILING TYPE AND PROVIDE ALL MOUNTING ACCESSORIES AS REQUIRED PRIOR TO BID.



1 TYP. LIGHT FIXTURE INSTALLATION
NO SCALE

AGREEMENT FOR SINGLE USE OF ELECTRONIC (CAD) MEDIA ADG ENGINEERING

At your request, and at a cost of $10.00 per drawing sheet, to facilitate the preparation of shop drawings or submittals, we will provide electronic files for your singular, limited use specifically on the project in question, subject to the following terms and conditions:

The electronic files are compatible with AutoCad 2010. We make no representation as to the compatibility of these files with your hardware or your software beyond the specified release of the referenced specifications. CAD files remain the property of the Engineer of Record and in no case shall the transfer of these files be considered a sale.

Data contained on these electronic files is part of the design professionals instrument of service and shall not be used by you or anyone else receiving this data through or from you for any purpose other than as source of information for the referenced project and shall not be relied upon as an authoritative source of data for design or layout. Any use by your organization or by others will be at your sole risk and without liability or legal exposure to ADG, Inc. You agree to make no claim and hereby waive, to the fullest extend permitted by law, any claim or cause of action of any nature against ADG, Inc. its officers, directors, employees, agents or subconsultants which may arise out of or in connection with your use of the electronic files.

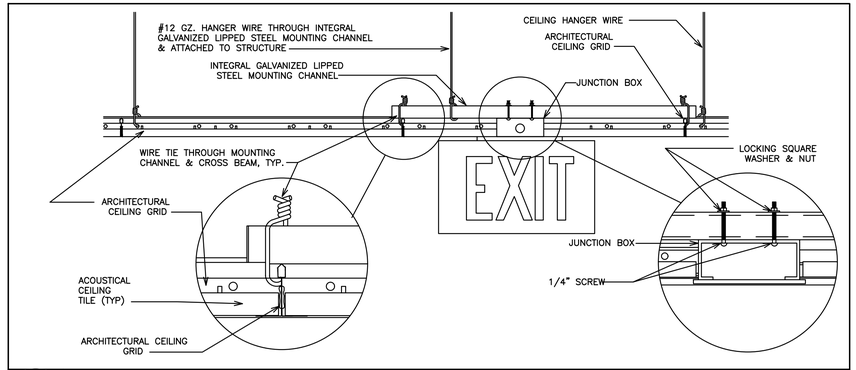
Furthermore, you shall, to the fullest extend permitted by law, indemnify and hold harmless ADG, Inc. for all claims, damages, losses and expenses, including attorney's fees arising out of or resulting from your use of these electronic files.

By requesting electronic media, requestor is acknowledging acceptance of all verbiage contained in this form. See specifications for additional information.

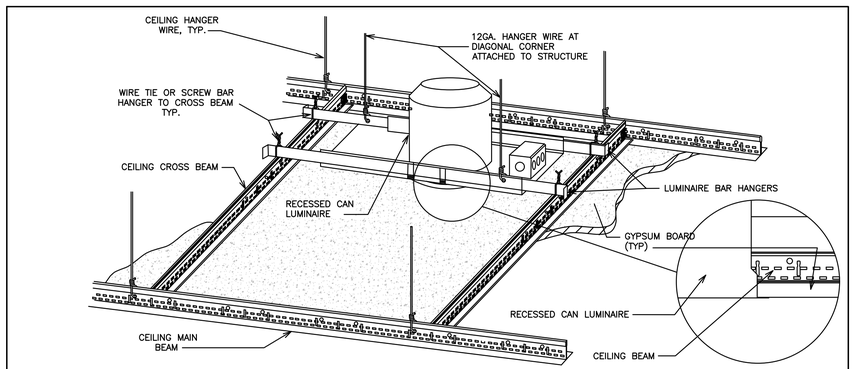
2 AGREEMENT FOR SINGLE USE OF ELECTRONIC (CAD) MEDIA NO SCALE

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE – SEE FIXTURE SCHEDULE
	LIGHTING FIXTURE – SEE FIXTURE SCHEDULE
	EXIT SIGN FIXTURE – SEE FIXTURE SCHEDULE
$	SINGLE POLE TOGGLE SWITCH
$3	THREE–WAY TOGGLE SWITCH
$PD	SINGLE POLE DIMMER SWITCH
	DUPLEX CONVENIENCE OUTLET
	COUNTER TOP MOUNTING HEIGHT (CLEAR BACK SPLASH)
	DOUBLE–DUPLEX CONVENIENCE OUTLET
S	TAMPER PROOF DUPLEX CONVENIENCE OUTLET
	CEILING MOUNTED DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED DUPLEX CONVENIENCE OUTLET
	SPECIAL PURPOSE OUTLET NEMA CONFIGURATION TO MATCH PLUG
T	TELE/DATA OUTLET
Tc	CEILING MOUNTED TELE/DATA OUTLET
J	JUNCTION BOX
	ELECTRIC MOTOR
	ELECTRICAL PANELBOARD
	DISCONNECT SWITCH
D	SMOKE DETECTOR (CEILING MOUNTED)
F	FIRE ALARM PULL STATION
	FIRE ALARM AUDIO/VISUAL UNIT
	FIRE ALARM STROBE UNIT
	FIRE ALARM DUCT DETECTOR
	FIRE ALARM AUDIO/VISUAL UNIT– CEILING MOUNTED
	FIRE ALARM CONTROL PANEL
T	FIRE ALARM TAMPER SWITCH
F	FIRE ALARM FLOW SWITCH
	FIRE ALARM MONITOR MODULE
CT	COUNTER–TOP–HEIGHT MOUNTED
GFI	GROUND FAULT INTERRUPTER PROTECTED
WP	WEATHERPROOF
S	CEILING SPEAKER (CEILING MOUNTED)
S	SURFACE MOUNTED SPEAKER (CEILING MOUNTED)
	OCCUPANCY SENSOR SWITCH
	CEILING MOUNTED VACANCY SENSOR
	PHOTOELECTRIC CONTROL
$m	MOTOR RATED SWITCH
	FLOOR BOX WITH COMBINATION DUPLEX POWER OUTLET AND DATA OUTLET
WAP	WIRELESS ACCESS POINT
	CLASSROOM CALL STATION
AV	AUDIO/VISUAL STATION
CR	CARD READER
	FLOOR BOX w/COMBINATION DUPLEX POWER OUTLET, DATA OUTLET & MICROPHONE JACK
	CAMERA
	CONDUIT RUN CONCEALED BELOW FLOOR OR IN SLAB
	OPEN/CLOSE PUSH BUTTON
	RV PLUG PEDESTAL



3 EXIT SIGN MOUNTING – LAY–IN CEILING
NO SCALE



4 DOWNLIGHT MOUNTING – GYPBOARD CEILING
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: PMB
CHKD. BY: PM

REVISIONS

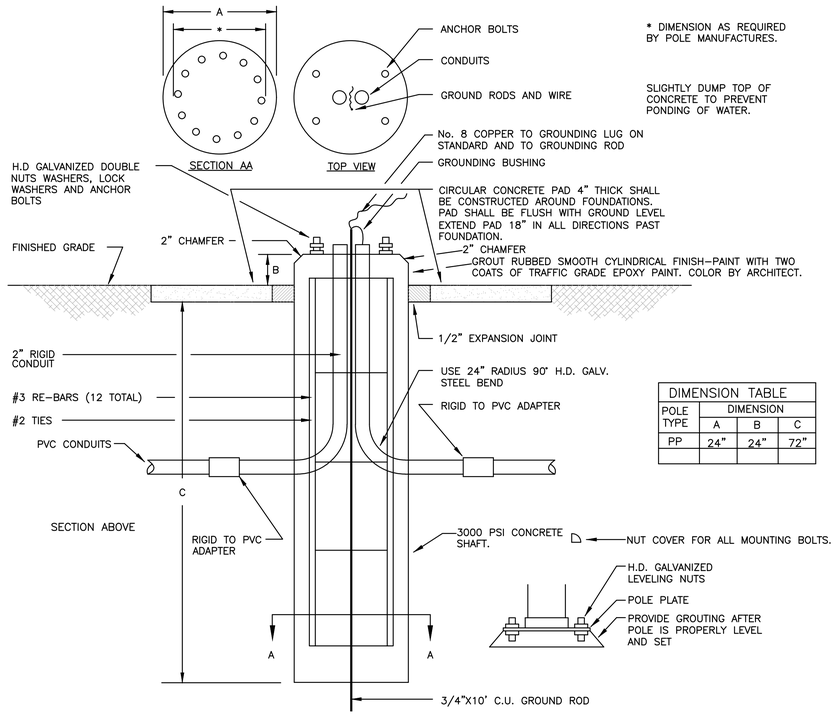
DAVID B. STELLY
License No. 26070
08/01/2025
PROFESSIONAL ENGINEER
STATE OF LOUISIANA

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 24232

ELECTRICAL SCHEDULES & DETAILS
BASE BID

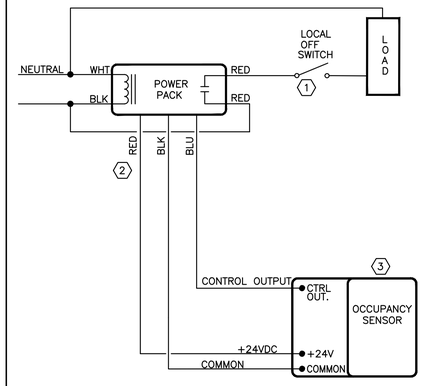
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DIMENSION TABLE			
POLE TYPE	DIMENSION		
	A	B	C
PP	24"	24"	72"

PROVIDE AND INSTALL FACTORY BOLT COVER FOR ALL POLES

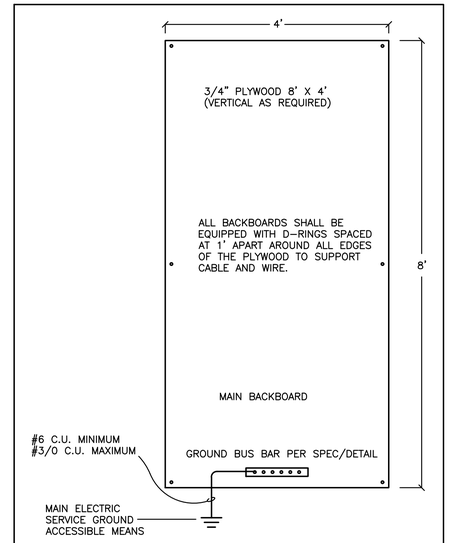
1 TYPICAL LIGHT STANDARD FOUNDATION DETAIL
NO SCALE



KEYNOTES:
1. PROVIDE AND INSTALL LIGHTING TOGGLE SWITCH(AS SPECIFIED) ON STRIKE SIDE OF DOOR.
2. COLOR DESIGNATIONS OF CONDUCTORS WILL VARY BY MANUFACTURER. CONTRACTOR SHALL OBTAIN LATEST WIRING DIAGRAMS FROM MANUFACTURES USED. THIS WIRING DIAGRAM IS FOR DIAGRAMMATIC PURPOSES ONLY.
3. REFER TO SPECIFICATIONS FOR OCCUPANCY SENSOR REQUIREMENTS.

TYPICAL FOR ROOMS WITH SINGLE, CEILING MOUNTED OCCUPANCY SENSOR CONTROLLING LIGHTING LOAD.

2 SINGLE OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE

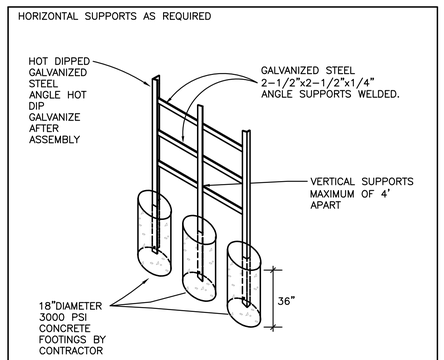


NOTES:
PLYWOOD FOR BACKBOARDS SHALL BE 1" AC INDOOR GRADE, FIREPROOFED AND PAINTED AS SPECIFIED.

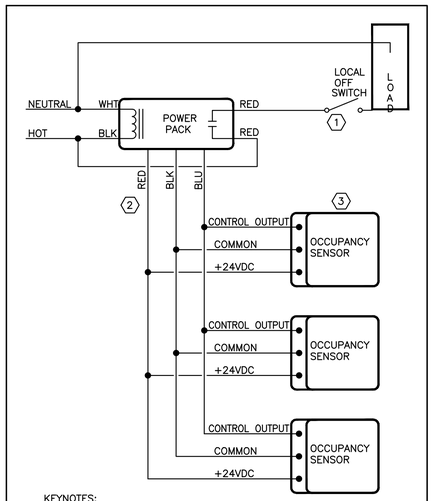
COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUND GROUNDING CONDUCTORS SHALL BE MINIMUM #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.

SUBMIT DIGITAL PHOTOGRAPHS OF ALL TERMINATION(S) TO MAIN ELECTRIC SERVICE GROUNDING MEANS.

3 TELEPHONE BACKBOARD
NO SCALE



4 UNISTRUT RACK DETAIL
NO SCALE



KEYNOTES:
1. PROVIDE AND INSTALL LIGHTING TOGGLE SWITCH(AS SPECIFIED) ON STRIKE SIDE OF DOOR.
2. COLOR DESIGNATIONS OF CONDUCTORS WILL VARY BY MANUFACTURER. CONTRACTOR SHALL OBTAIN LATEST WIRING DIAGRAMS FROM MANUFACTURES USED. THIS WIRING DIAGRAM IS FOR DIAGRAMMATIC PURPOSES ONLY.
3. REFER TO SPECIFICATIONS FOR OCCUPANCY SENSOR REQUIREMENTS.

TYPICAL FOR ROOMS WITH MULTIPLE, CEILING MOUNTED OCCUPANCY SENSOR CONTROLLING LIGHTING LOAD.

5 MULTIPLE OCCUPANCY SENSORS USING ONE
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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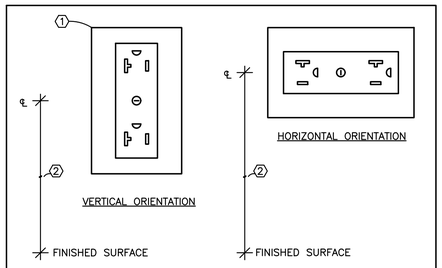


GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ELECTRICAL SCHEDULES & DETAILS
BASE BID

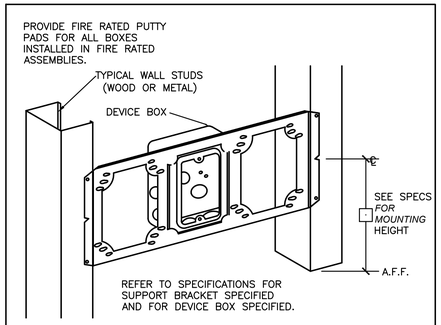
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ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 24232



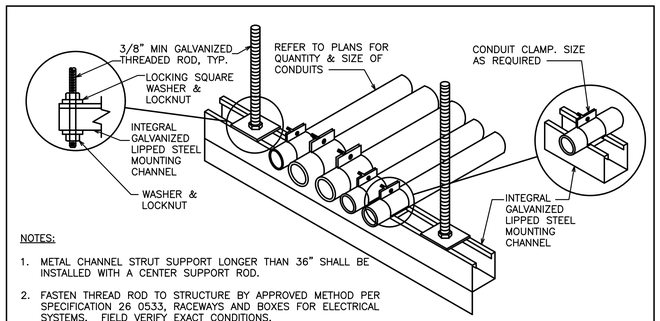
KEYNOTES:
1. REFER TO SPECIFICATIONS FOR RECEPTACLE REQUIREMENTS.
2. MOUNTING HEIGHT IS DENOTED ON LEGEND

1 TYPICAL RECEPTACLE INSTALLATION REQUIREMENTS
NO SCALE



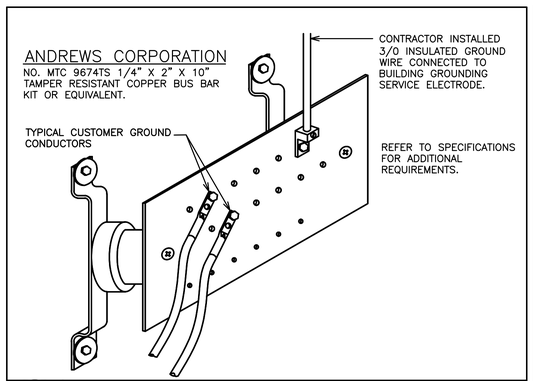
*NOTE: DEVICES FOR ADJACENT ROOMS SHOULD NOT BE INSTALLED IN THE SAME STUD SPACE.

2 BOX MOUNTING BRACKET DETAIL
NO SCALE

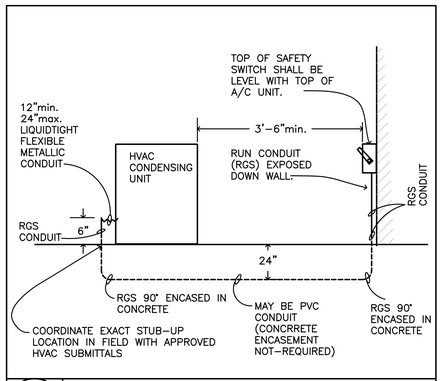


NOTES:
1. METAL CHANNEL STRUT SUPPORT LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREAD ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 0533, RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

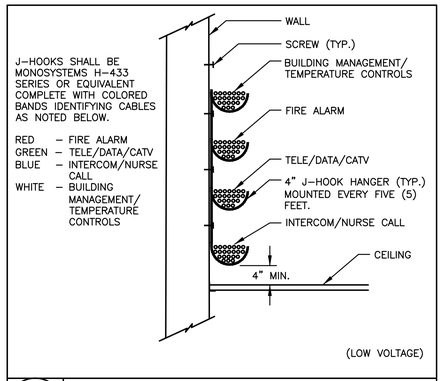
3 CONDUIT TRAPEZE MOUNTING DETAIL
NO SCALE



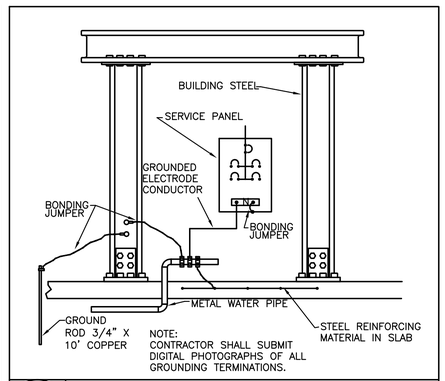
4 TELE/DATA/CATV - GROUND DETAIL (BACK BOARD AND EVERY CLOSET)
NO SCALE



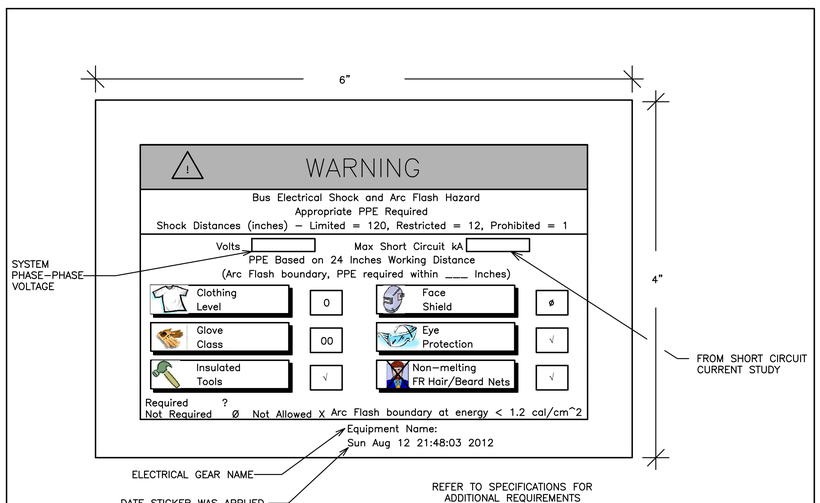
5 TYPICAL HVAC CONDENSING UNIT INSTALLATION DETAIL
NO SCALE



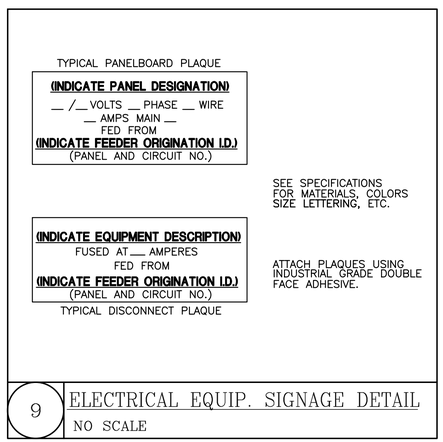
6 J-HOOK DETAIL FOR COMM. CABLES
NO SCALE



7 GROUNDING TO BLDG. STEEL DETAIL
NO SCALE



8 ARC FLASH LABELING DETAIL
NO SCALE



9 ELECTRICAL EQUIP. SIGNAGE DETAIL
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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DATE: JULY 2025
DRWN. BY: PMB
CHKD. BY: PM

REVISIONS

STATE OF LOUISIANA
DAVID B. STELLY
License No. 26070
08/01/2025
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ELECTRICAL DETAILS

BASE BID

CC-E-700

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

PANEL MDP

VOLTAGE ☐ 480/277V, 3ø, 4W, WYE ■ 208/120V, 3ø, 4W, WYE ☐ 240/120V, 3ø, 4W, DELTA W/ 3ø "STINGER"

2500 AMP ■ FACTORY MAIN CIRCUIT BREAKER ☐ SHUNT TRIP MAIN CB ☐ MAIN LUGS ONLY ☐ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% ☐ 200%

MOUNTING ☐ SURFACE ☐ RECESSED ■ FREE STANDING (FRONT ACCESS ONLY) ☐ FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE ☐ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION) ■ NEMA 3R ☐ NEMA 4X 320 STAINLESS STEEL ☐ LOCKABLE COVER

FEED ☐ TOP ■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR. ☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5 ☐ PLUG-ON, LOADCENTER CONSTR.

AIC RATING 22,000 ■ FULLY RATED ☐ SERIES RATED

■ FURNISH GROUND BAR KIT ☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT ■ SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	100	3	8	1-1/2"	PANEL 'LA'	--		--	PANEL 'PA'	4"	3	600	400	2
3														4
5														6
7	100	3	8	1-1/2"	PANEL 'IT'	--		--	PANEL 'PB'	1-1/2"	8	3	100	8
9														10
11														12
13	1000	3 Sets #500	2/0	4"	PANEL 'ME'	--		--	PANEL 'MPB'	4"	3/0	4 set #600	1600	14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37								--	SPD	1-1/4"	8	3	100	38
39														40
41														42

NOTES:

* ALL BREAKERS THIS PANEL SHALL BE 'LSIG' TYPE

TOTAL LOAD = 692.92 KVA
TOTAL AMPS = 1923.4 AMPS

PANEL LA

VOLTAGE ☐ 480/277V, 3ø, 4W, WYE ■ 208/120V, 3ø, 4W, WYE ☐ 240/120V, 3ø, 4W, DELTA W/ 3ø "STINGER"

100 AMP ■ FACTORY MAIN CIRCUIT BREAKER ☐ SHUNT TRIP MAIN CB ☐ MAIN LUGS ONLY ☐ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% ☐ 200%

MOUNTING ■ SURFACE ☐ RECESSED ☐ FREE STANDING (FRONT ACCESS ONLY) ☐ FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION) ☐ NEMA 3R ☐ NEMA 4X 320 STAINLESS STEEL ☐ LOCKABLE COVER

FEED ☐ TOP ■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR. ☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5 ☐ PLUG-ON, LOADCENTER CONSTR.

AIC RATING 22,000 ■ FULLY RATED ☐ SERIES RATED

■ FURNISH GROUND BAR KIT ☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT ☐ SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	12	12	1/2"	LIGHTING	--		--	LIGHTING	1/2"	12	12	20	2
3	20	12	12	1/2"	LIGHTING	--		--	LIGHTING	1/2"	12	12	20	4
5	20	12	12	1/2"	LIGHTING	--		--	LIGHTING (Lobby)	1/2"	12	12	20	6
7	20	12	12	1/2"	LIGHTING (Classrm)	--		--	LIGHTING (Classrm)	1/2"	12	12	20	8
9	20	12	12	1/2"	LIGHTING (Nave)	--		--	LIGHTING (San/Chan)	1/2"	12	12	20	10
11	20	12	12	1/2"	LIGHTING (Downlights)	--		--	LIGHTING (San/Chan)	1/2"	12	12	20	12
13	20	12	12	1/2"	LIGHTING (Lobby)	--		--	SPARE	--	--	---	20	14
15	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	16
17	20	---	--	--	SPARE	--		--	EXTERIOR BLDG LIGHTS	3/4"	12	12	20	18
19	20	10	10	1"	SIGN LIGHTS	--		--	SPARE	--	--	---	20	20
21	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	22
23														24
25														26
27	20	4	8	1-1/2"	SITE LIGHTING	--		--	SITE LIGHTING	1"	8	6	20	28
29	20	6	8	1"	SITE LIGHTING	--								30
31														32
33														34
35														36
37								--	SPD	1"	10	6	60	38
39														40
41														42

NOTES:

TOTAL LOAD = 18.8 KVA
TOTAL AMPS = 52.27 AMPS

PANEL PB

VOLTAGE ☐ 480/277V, 3ø, 4W, WYE ■ 208/120V, 3ø, 4W, WYE ☐ 240/120V, 3ø, 4W, DELTA W/ 3ø "STINGER"

100 AMP ■ FACTORY MAIN CIRCUIT BREAKER ☐ SHUNT TRIP MAIN CB ☐ MAIN LUGS ONLY ☐ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% ☐ 200%

MOUNTING ■ SURFACE ☐ RECESSED ☐ FREE STANDING (FRONT ACCESS ONLY) ☐ FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION) ☐ NEMA 3R ☐ NEMA 4X 320 STAINLESS STEEL ☐ LOCKABLE COVER

FEED ☐ TOP ■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR. ☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5 ☐ PLUG-ON, LOADCENTER CONSTR.

AIC RATING 22,000 ■ FULLY RATED ☐ SERIES RATED

■ FURNISH GROUND BAR KIT ☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT ☐ SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	10	10	3/4"	GATE CONTROL	--		--	GATE CONTROL	3/4"	10	10	20	2
3	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	4
5	20	12	12	1/2"	AIR COMPRESSOR	--		--	WHU	1/2"	12	12	20	6
7	20	---	--	--	SPARE	--								8
9	30	10	10	3/4"	WH-1	--		--	WH-2	3/4"	10	10	30	10
11														12
13	20	12	12	1/2"	WHCP	--		--	WHCP	1/2"	12	12	20	14
15	60	6	10	1"	WH-3	--		--	SPARE	--	--	---	20	16
17								--	SPARE	--	--	---	20	18
19	20	12	12	1/2"	WHCP	--		--	SPARE	--	--	---	20	20
21	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	22
23	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	24
25	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	26
27	20	---	--	--	SPARE	--		--	SPARE	--	--	---	20	28
29	20	---	--	--	SPARE	--		--	SPACE	--	--	---	--	30
31	--	--	--	--	SPACE	--		--	SPACE	--	--	---	--	32
33	--	--	--	--	SPACE	--		--	SPACE	--	--	---	--	34
35	--	--	--	--	SPACE	--		--	SPACE	--	--	---	--	36
37	--	--	--	--	SPACE	--		--	SPD	1"	10	6	60	38
39	--	--	--	--	SPACE	--								40
41	--	--	--	--	SPACE	--								42

NOTES:

TOTAL LOAD = 33.20 KVA
TOTAL AMPS = 92.22 AMPS

PANEL ME

VOLTAGE ☐ 480/277V, 3ø, 4W, WYE ■ 208/120V, 3ø, 4W, WYE ☐ 240/120V, 3ø, 4W, DELTA W/ 3ø "STINGER"

1000 AMP ■ FACTORY MAIN CIRCUIT BREAKER ☐ SHUNT TRIP MAIN CB ☐ MAIN LUGS ONLY ☐ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% ☐ 200%

MOUNTING ■ SURFACE ☐ RECESSED ☐ FREE STANDING (FRONT ACCESS ONLY) ☐ FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION) ☐ NEMA 3R ☐ NEMA 4X 320 STAINLESS STEEL ☐ LOCKABLE COVER

FEED ☐ TOP ■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR. ☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5 ☐ PLUG-ON, LOADCENTER CONSTR.

AIC RATING 22,000 ■ FULLY RATED ☐ SERIES RATED

■ FURNISH GROUND BAR KIT ☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT ☐ SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	12	12	1/2"	EF-1,2,3 & DAMPERS	--		--	EF-4,5,6 & DAMPERS	1/2"	12	12	20	2
3	20	12	12	1/2"	EF-7,8,9,10,11&DAMPERS	--		--	AC-1-3,1-4 BCCU-1	1/2"	12	12	20	4
5	20	12	12	1/2"	AC-1-1 > 1-2	--								6
7								--	AC-1-5	1/2"	12	12	20	8
9	20	12	12	1/2"	BCCU-1	--								10
11								--	SPARE	--	--	---	20	12
13	150	1/0	6	2"	AHU-1A	A		A	AHU-1B	2"	6	1/0	150	14
15														16
17	150	1/0	6	2"	AHU-1C	A		A	AHU-1D	2"	6	1/0	150	18
19														20
21	70	4	8	1-1/2"	AHU-2	A		A	AHU-3	2"	6	1/0	150	22
23														24
25								A	AHU-4	2"	6	1/0	150	26
27	150	1/0	6	2"	AHU-5	A								28
29								A	AHU-6A	2"	6	1/0	150	30
31	150	1/0	6	2"	AHU-6B	A								32
33								A	AHU-7	1-1/2"	8	4	70	34
35	150	1/0	6	2"	AHU-8	A								36
37														38
39	40	8	10	1"	CU-1A	A,B		A,B	CU-1B	1"	10	8	40	40
41														42
43														44
45	40	8	10	1"	CU-1C	A,B		A,B	CU-1D	1"	10	8	40	46
47														48
49														50
51	30	10	10	3/4"	CU-2	A,B		A,B	CU-3	1"	10	8	40	52
53														54
55														56
57	40	8	10	1"	CU-4	A,B		A,B	CU-5	1"	10	8	40	58
59														60
61														62
63	40	8	10	1"	CU-6A	A,B		A,B	CU-6B	1"	10	8	40	64
65														66
67														68
69	30	10	10	3/4"	CU-7	A,B		A,B	CU-8	1"	10	8	40	70
71														72
73	70	4	8	1-1/2"	MSCU-1A	A,B								74
75								--	SPARE	--	--	---	20	76
77								--	SPARE	--	--	---	20	78
79	60	6	10	1"	MSCU-1B	A,B		--	SPD	1"	10	6	60	80
81														82
83														84

NOTES:

A. ALL MECHANICAL EQUIPMENT BREAKERS SHALL BE LOCKABLE TYPE
B. ALL CONDENSING UNIT BREAKERS SHALL BE TYPE "HACR"

TOTAL LOAD = 268.14 KVA
TOTAL AMPS = 744.85 AMPS

PANEL PA

VOLTAGE ☐ 480/277V, 3ø, 4W, WYE ■ 208/120V, 3ø, 4W, WYE ☐ 240/120V, 3ø, 4W, DELTA W/ 3ø "STINGER"

400 AMP ■ FACTORY MAIN CIRCUIT BREAKER ☐ SHUNT TRIP MAIN CB ☐ MAIN LUGS ONLY ☐ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% ☐ 200%

MOUNTING ■ SURFACE ☐ RECESSED ☐ FREE STANDING (FRONT ACCESS ONLY) ☐ FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION) ☐ NEMA 3R ☐ NEMA 4X 320 STAINLESS STEEL ☐ LOCKABLE COVER

FEED ☐ TOP ■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR. ☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5 ☐ PLUG-ON, LOADCENTER CONSTR.

AIC RATING 22,000 ■ FULLY RATED ☐ SERIES RATED

■ FURNISH GROUND BAR KIT ☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT ☐ SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	12	12	1/2"	RECEPTACLES	--		B	RECEPT. (Bkr Kit)	1/2"	12	12	20	2
3	20	12	12	1/2"	RECEPT. (Bkr Kit)	C		B,C	RECEPT. (Bkr Micro)	1/2"	12	12	20	4
5	50	8	10	3/4"	RANGE	B,C		C	RECEPT. (Bkr Kit)	1/2"	12	12	20	6
7								C	RECEPT. (Brk DW)	1/2"	12	12	20	8
9	20	12	12	1/2"	RECEPTA. (Bkr Ref)	C		B,C	HOOD Lite/Exaust	1/2"	12	12	20	10
11	20	12	12	1/2"	RECEPT. (Copy)	--		--	RECEPTACLES	1/2"	12	12	20	12
13	20	12	12	1/2"	RECEPTACLES	--		--	GARAGE DOOR	1/2"	12	12	20	14
15	20	---	--	--	SPARE	--		--	RECEPTACLES	1/2"	12	12	20	16
17	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	18
19	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	20
21	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	22
23	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	24
25	20	12	12	1/2"	RECEPTACLES	--		C	RECEPT. (Multi Ref)	1/2"	12	12	20	26
27	20	12	12	1/2"	RECEPT. (Multi D.W.)	C		C	RECEPT. (Multu Kit)	1/2"	12	12	20	28
29	20	12	12	1/2"	RECEPT. (Multi Kit)	C		C	RECEPT. (Multi Kit)	1/2"	12	12	20	30
31	20	12	12	1/2"	HOOD Lite/Exhaust	B,C		B,C	RANGE	3/4"	10	8	50	32
33	20	12	12	1/2"	RECEPT. (Multi MW)	B,C								34
35	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	36
37	80	4	8	1-1/2"	BAPTISTRY PUMP	C		--	RECEPTACLES	1/2"	12	12	20	38
39								--	RECEPTACLES	1/2"	12	12	20	40
41	20	---	--	--	SPARE	--		--	RECEPT.(San/Chancel)	1/2"	12	12	20	42
43	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	44
45	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	46
47	20	---	--	--	SPARE	--		--	HAND DRYER	3/4"	10	10	30	48
49	20	---	--	--	SPARE	--								50
51	30	10	10	3/4"	HAND DRYER	--		--	RECEPT.(ComCloset)	1/2"	12	12	20	52
53								--	RECEPTACLES	1/2"	12	12	20	54
55	20	12	12	1/2"	RECEPT. (Washer)	C,D		--	RECEPTACLES	1/2"	12	12	20	56
57	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	58
59	20	12	12	1/2"	RECEPTACLES	--		--	RECEPTACLES	1/2"	12	12	20	60
61	20	12	12	1/2"	FACP	A		--	SECURITY PNL	1/2"	12	12	20	62
63	20	---	--	--	SPARE	--		--	F/A HOT BOX	3/4"	10	10	30	64
65	30	10	10	3/4"	DRYER	C,D								66
67								--	HAND DRYER	3/4"	10	10	30	68
69	30	10	10	3/4"	HAND DRYER	--								70
71								--	SPACE	--	--	---	--	72
73	20	---	--	--	SPARE	--		--	SPACE	--	--	---	--	74
75	20	---	--	--	SPARE	--		--	SPACE	--	--	---	--	76
77	20	---	--	--	SPARE	--		--	SPACE	--	--	---	--	78
79	--	--	--	--	SPACE	--		--	SPD	1"	10	6	60	80
81	--	--	--	--	SPACE	--								82
83	--	--	--	--	SPACE	--								84

NOTES:

A. F/A PANEL C/B SHALL BE RED IN COLOR & LOCKED IN THE "ON" POSITION.
B. SHALL BE SHUNT-TRIP C/B
C. SHALL BE GFCI C/B
D. ASSUMED LOAD

TOTAL LOAD = 110.62 KVA
TOTAL AMPS = 307.27 AMPS

PANEL IT

VOLTAGE ☐ 480/277V, 3ø, 4W, WYE ■ 208/120V, 3ø, 4W, WYE ☐ 240/120V, 3ø, 4W, DELTA W/ 3ø "STINGER"

100 AMP ■ FACTORY MAIN CIRCUIT BREAKER ☐ SHUNT TRIP MAIN CB ☐ MAIN LUGS ONLY ☐ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% ☐ 200%

MOUNTING ■ SURFACE ☐ RECESSED ☐ FREE STANDING (FRONT ACCESS ONLY) ☐ FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION) ☐ NEMA 3R ☐ NEMA 4X 320 STAINLESS STEEL ☐ LOCKABLE COVER

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ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	12	12	1/2"	RECEPT. (TelBkd)	--		--	IT RACK	3/4"	10	110	30	2
3	20	12	12	1/2"	SERVER	--								4
5	20	---	--	--	SPARE	--								6
7	20	---	--	--	SPARE	--		--	RECEPTACLE	1/2"	12	12	20	8
9	20	12	12	1/2"	RECEPTACLE	--		--	RECEPTACLE	1/2"	12	12	20	10
11	20	12	12	1/2"	RECEPTACLE	--		--	RECEPTACLE	1/2"	12	12	20	12
13	20	12	12	1/2"	RECEPTACLE	--		--	RECEPTACLE	1/2"	12	12	20	14
15	20	12	12	1/2"	RECEPTACLE	--		--	FLOOR BOX	3/4"	12	12	20	16
17	20	12	12	3/4"	FLOOR BOX	--		--	FLOOR BOX	3/4"	12	12	20	18
19	20	12	12	1/2"	PROJECTOR	--		--	DISPLAY SCENE	1/2"	12	12	20	20
21	20	12	12	1/2"	RECEPT. AV CKT	--		--	SOUND SYSTEM	1/2"	12	12	20	22
23	20	12	12	1/2"	RECEPT. AV CKT	--		--	RECEPT. AV CKT	1/2"	12	12	20	24
25	20	12	12	1/2"	RECEPT. AV CKT	--		--	RECEPT. AV CKT	1/2"	12	12	20	26
27	20	12	12	1/2"	RECEPT. AV CKT	--		--	RECEPT. AV CKT	1/2"	12	12	20	28
29	20	12	12	1/2"	RECEPT. AV CKT	--		--	RECEPT. AV CKT	1/2"	12	12	20	30
31	20	12	12	1/2"	RECEPT. AV CKT	--		--	RECEPT. AV CKT	1/2"	12	12	20	32
33	20	12	12	1/2"	RECEPT. AV CKT	--		--	RECEPT. AV CKT	1/2"	12	12	20	34
35	20	---	--	--	SPARE	--		--	SPARE	--	--	--	20	36
37	20	10	10	3/4"	POLE RECEPT.	--		--	SPD	1"	10	6	60	38
39	20	6	10	1"	POLE RECEPT.	--								40
41	20	6	10	1"	POLE RECEPT.	--								42

NOTES:

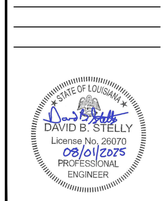
TOTAL LOAD = 23.02 KVA
TOTAL AMPS = 63.94 AMPS

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: PMB
CHKD. BY: PM

REVISIONS



GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

ELECTRICAL
PANEL SCHEDULES
CHRUCH
BASE BID

CC-E-800

NOTE: *This inquiry is NOT an application for service. It is a request for information only.*
To Apply For Service: Call 1-800-368-3749

ELECTRIC SERVICE INQUIRY

entergy

RETURN TO: **EMAIL:** **PHONE:**

CUSTOMER INFORMATION:
Name Greater St. Mary Mission Baptist - Chruch Complex & Missionary Center
Address 1901 Harless Street
P.O. Box
City Lake Charles State La ZIP 70601
Contact Voice Phone (___) FAX (___)

SERVICE LOCATION: (Attach applicable maps or prints such as site, utility plan, etc.)
Lot or Tract
Street 1901 Harless Street City Lake Charles State La ZIP 70601

SERVICE DETAILS: (*check one response for items 1 through 3*):
1. ☒New customer *or* ☐ Increased load w/Acct# *or* Existing Building Turn-On
2. Requesting: ☐ Overhead Service ☐ Underground Service
3. Has point of service (metering location) been approved by ENTERGY? ☐Yes ☐ No
REQUESTED IN-SERVICE DATES: *temporary* *permanent*

PROPOSED BUILDING CLASSIFICATION:
SIC Code (*or, check one of the following*):
☐ residential ☐ office ☐ restaurant/bar ☐ retail ☐ grocery ☐ warehouse ☐ school ☐ university ☐ hospital ☐ hotel/motel ☐ mobile home ☐ nursing home ☑ misc. non-manufacturing building ☐ misc. non-manufacturing (no building) ☐ misc. manufacturing

LOAD SUMMARY:
Phase/Voltage: ☐ 1∅-**120/240** ☐ 3∅-**120/240** ☑ 3∅-**120/208** ☐ 3 ∅-**277/480** ** ☐ Other
Service Entrance Ampacity: 25000
Quantity & Size of Conductors Being Run by Electrician: Qty.: 6-Sets Size: #600
All-electric facility? ☑ yes ☐ no Computer equipment? ☑ yes ☐ no

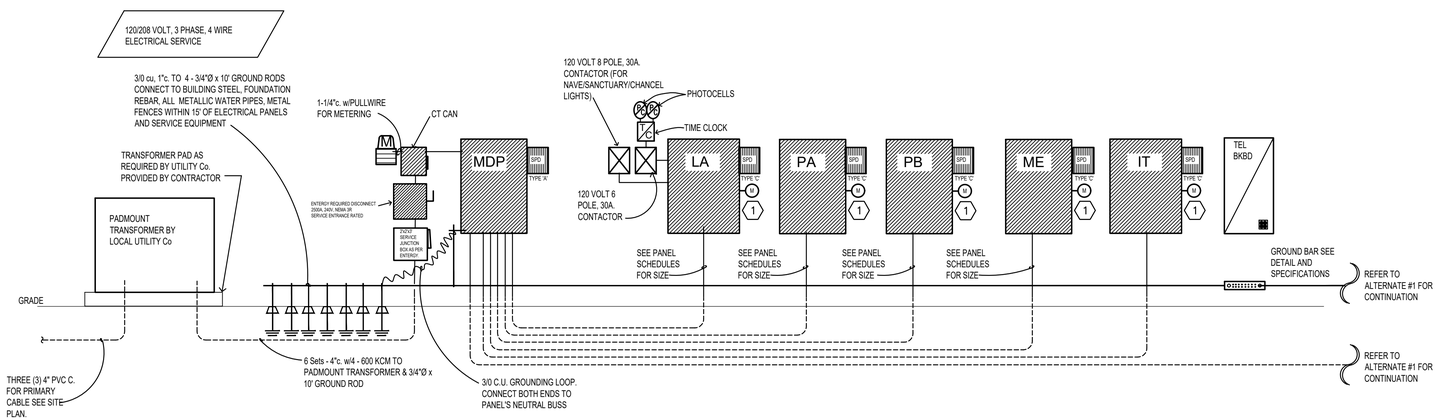
	Single ∅	*Three* ∅	*Comments*
Square Footage	39829.4 SQ/FT.		
Lights	29.51 KW	KW	
Cooking	32.16 KW	KW	
Heating	308.02 KW	KW	
A/C (heat pump)	KW	50.86 KW	
	Note: If more than one A/C unit please list the total load in the appropriate column and largest unit in the comment section.		
IT Panels	31.50 KW	KW	
Water Heating	24.000 KW	KW	
Motors	(11)-1 HP	(2) 3 HP	
Motors	(2-1 HP	HP	
Receptacles	164.54 KW	KW	
Miscellaneous	16.33 KW	KW	
Panel 'BB'	36.00 KW	KW	
Existing Peak Load	KW	KW	
Total Connected	KW	692.92 KW	

Largest Motor: 3 HP– ☑ 1∅ ☐ 3∅ Motor HP Code No.
Locked Rotor Current: Amps. Motor Duty: hrs./day– ☐ continuous ☐ intermittent

Submitted by: Paulette Benoit ***Title:***
Date: 07/31/25 ***Phone No.:*** 337-234-5710 ***Alt. No.:*** Rev.7/28/14

ELECTRICAL KEYNOTES

1. CONTRACTOR SHALL INSTALL ENERGY MONITOR KIT (PACKETPOWER BGP64-64 OR EQUIVALENT).



ELECTRICAL RISER DIAGRAM - Church bldg.
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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JOB NO: 2316
DATE: JULY 2025
DRWN. BY: PMB
CHKD. BY: PM

REVISIONS

STATE OF LOUISIANA
DAVID B. STELLY
License No. 26070
08/01/2025
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

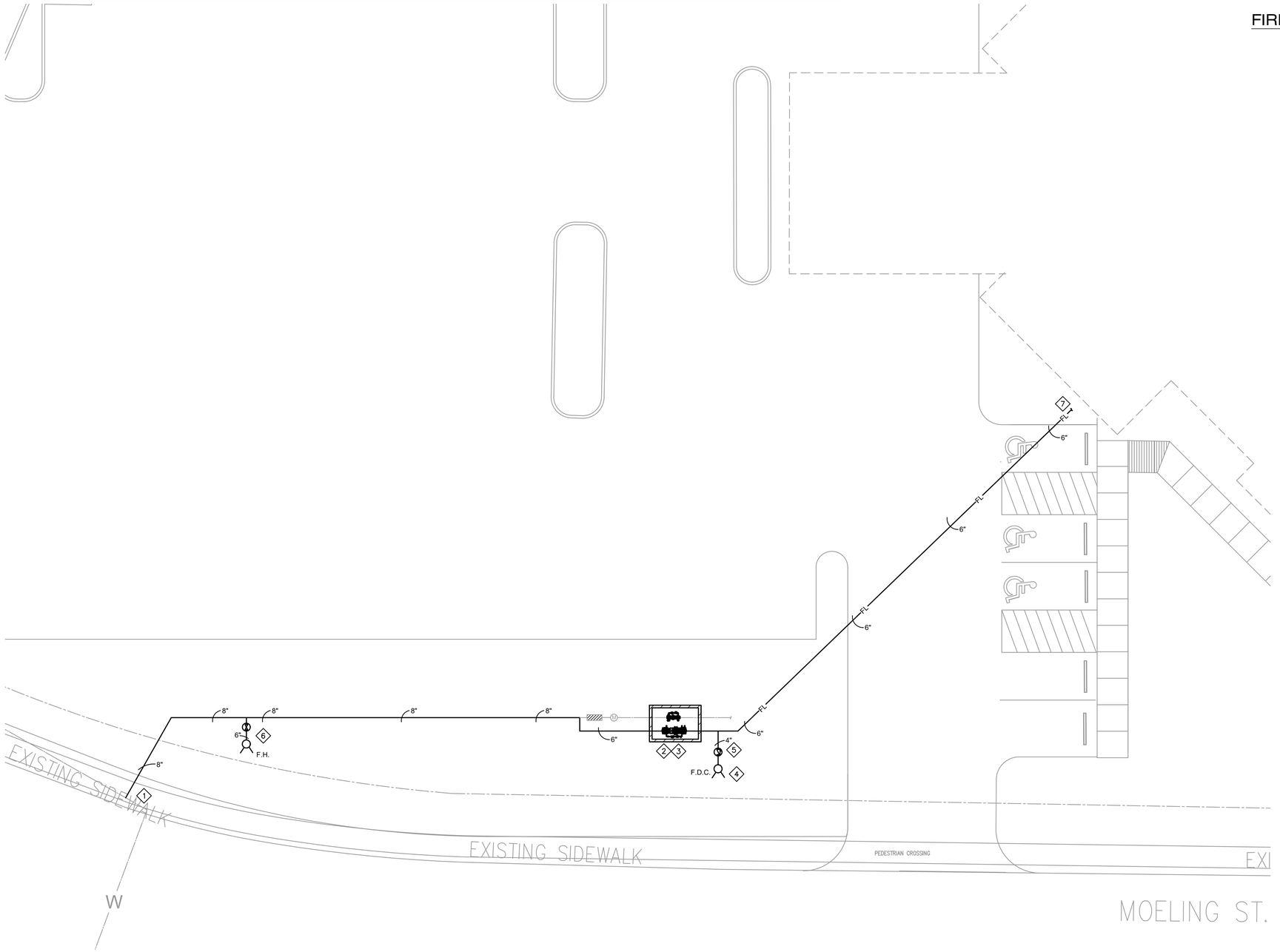
ELECTRICAL RISER DIAGRAM CHURCH BLDG

BASE BID

CC-E-900

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232



1 FIRE PROTECTION PLAN - SITE

SCALE: 1" = 10' REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

NORTH

FIRE PROTECTION KEYNOTES:

1. FP SHEETS INTENDED AS CONCEPTUAL DRAWINGS AND ARE FOR INFORMATION ONLY TO SHOW POTENTIAL SYSTEM ARRANGEMENTS. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS AND FIELD VERIFY ALL INFORMATION CONTAINED ON THESE DRAWINGS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS, INCLUDING BUT NOT LIMITED TO NFPA AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
2. ALL ABOVE GROUND PIPE FOR PROJECT WETPIPE AND DRY PIPE SYSTEM SYSTEM 1-1/2" AND LESS IN DIAMETER IS TO BE SCHEDULE 40 BLACK STEEL AND SHALL UTILIZE CUT THREADS AND CLASS 150 MALLEABLE IRON FITTINGS. ALL PIPE GREATER THAN 1-1/2" AND LESS THAN 6" IN DIAMETER SHALL BE SCHEDULE 40 BLACK STEEL AND SHALL UTILIZE ROLLED GROOVES AND LISTED GROOVED END FITTINGS WITH RUBBER GASKETS. LISTED WELDED FITTINGS MAY ALSO BE UTILIZED. PIPE 6" AND GREATER IN DIAMETER SHALL BE SCHEDULE 10 BLACK STEEL PIPE AND SHALL USE ROLLED GROOVES AND LISTED ROLLED GROOVE FITTINGS WITH RUBBER GASKETS.
3. UNLESS OTHERWISE NOTED ON PLANS, ALL SPRINKLER HEADS INSTALLED ON DRY SPRINKLER SYSTEM SHALL BE CORROSION RESISTANT AND DRY BARREL TYPE WITH FACTORY INSTALLED SEAL.
4. EXCEPT WHERE NOTED, SPRINKLER HEADS ARE TO BE LOCATED IN CENTER OF CEILING TILES.
5. PROVIDE SPARE HEADS AND WRENCHES IN CABINET MOUNTED ADJACENT TO SPRINKLER ENTRY AS PER NFPA 13 2016 EDITION.
6. RUN SPRINKLER PIPE AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH DUCTWORK, ACCESS TO MECHANICAL EQUIPMENT, ETC. PROVIDE COORDINATION DRAWINGS SHOWING ANY POTENTIAL CONFLICT WITH OTHER CONSTRUCTION INSTALLATIONS. SPRINKLER INSTALLATIONS THAT PREVENT THE INSTALLATION OF OTHER UTILITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS SHALL BE RELOCATED AT THE SPRINKLER CONTRACTORS EXPENSE.
7. ALL STORAGE SHALL BE MAINTAINED AT 18 INCHES OR GREATER BELOW CEILING.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
9. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MECHANICAL FLOOR PLANS FOR FLOOR PLAN LAYOUTS. PRIOR TO SUBMISSION OF SHOP DRAWINGS, REVIEW ARCHITECTURAL LAYOUTS. FURNISH HEADS AS REQUIRED BY ARCHITECTURAL SHEETS, BY NFPA 13 2016 EDITION, AND AS SHOWN ON FIRE PROTECTION PLANS FOR A COMPLETE SYSTEM FULLY COVERING WORK AREAS IDENTIFIED ON ARCHITECTURAL DRAWINGS. COORDINATE EXACT HEAD LOCATIONS WITH JOB CONDITIONS, STRUCTURAL, PIPING, CONDUIT, ETC. AS WELL AS FINAL REFLECTED CEILING LAYOUTS. COORDINATE WITH OTHER CONTRACTORS THROUGH GENERAL CONTRACTOR WHERE CONFLICTS ARISE BETWEEN DUCTWORK OR GRAVITY PIPING SYSTEMS. OFFSET SPRINKLER PIPING AS REQUIRED FOR CONFLICT RESOLUTION.
10. FOR DESIGN PURPOSES, THE SYSTEM DESIGNER SHALL REDUCE THE AVAILABLE FLOW IN GPM BY TEN (10) PERCENT AND THE STATIC AND RESIDUAL PRESSURES BY 5 PSI BELOW THAT OBTAINED DURING FLOW TEST. EXAMPLE, 1,000 GPM FLOW WOULD BE 900 GPM, 52 PSI STATIC IS 47 PSI FOR DESIGN PURPOSES AND 41 PSI RESIDUAL WOULD BE 36 PSI. UTILIZE ADJUSTED PRESSURES FOR HYDRAULIC DESIGN.
11. THE BUILDING IS TO BE FULLY SPRINKLED, INCLUDING ANY AREAS WITH CONCEALED COMBUSTIBLE CONSTRUCTION.
12. ALL PIPE, FITTINGS, VALVES, ETC. SHALL BE LISTED FOR A MINIMUM OF 175 PSI.
13. PROVIDE 24V. ELECTRIC SPRINKLER WATERFLOW ALARM BELL TO INDICATE SPRINKLER FLOW. BELL ACTIVATED BY FIRE ALARM PANEL UPON SPRINKLER FLOW.
14. PROVIDE AUXILIARY DRAINS AS REQUIRED BY NFPA 13 2016 EDITION TO DRAIN TRAPPED SECTIONS OF PIPING. EXTEND DRAINS TO EXTERIOR AND TERMINATE AT GRADE.
15. ALL SPRINKLER HEADS IN ELEC./TEL. ROOMS SHALL BE 200 DEGREE FAHRENHEIT RATED.
16. CONTRACTOR SHALL PROVIDE AND INSTALL SPRINKLER HEADS, PIPING, VALVES, HANGERS, ETC. AS REQUIRED FOR COMPLIANCE WITH NFPA 13 2016 EDITION AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
17. PROVIDE FLOW AND TAMPER SWITCHES AS REQUIRED TO ELECTRONICALLY SUPERVISE SYSTEM. WET PIPE SYSTEMS AND ALARM PRESSURE SWITCHES, HIGH/LOW AIR PRESSURE SWITCHES AND TAMPER SWITCHES AS REQUIRED TO ELECTRONICALLY SUPERVISE DRY PIPE AND PREACTION SYSTEMS.
18. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PREPARATION OF FIRE PROTECTION SHOP DRAWINGS, CALCULATIONS, AND FEES AS REQUIRED FOR FINAL APPROVAL OF SYSTEM BY ALL AUTHORITIES HAVING JURISDICTION.
19. PROVIDE PROPER NUMBER OF DRY PIPE RISERS SO THAT NO DRY PIPE SYSTEM RISER EXCEEDS 750 GALLONS OF WATER CAPACITY PER RISER, PROVIDE ACCELERATOR IF VOLUME IS BETWEEN 500 AND 750 GALLONS.
20. DESIGN AND INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF NFPA 13 2016 EDITION.
21. EXCEPT WHERE NOTED, ALL SPRINKLER HEADS SHALL BE LISTED QUICK RESPONSE TYPE.
22. ALL EXPOSED PIPE SHALL BE PAINTED TO MATCH CEILING/WALL AS ALLOWED BY NFPA 13.
23. CONNECT ALL DRAINS TO COMMON HEADER AND TERMINATE THROUGH WALL 6"(150) ABOVE GRADE.
24. UNDERGROUND FIRE LINE PIPE SHALL BE C900 DR 18 PVC PIPE TO LISTED STAINLESS STEEL "IN BUILDING RISER".
25. CONTRACTOR SHALL INSTALL A POTTER MODEL "PAV" AUTOMATIC AIR RELEASE VALVE AT THE HIGH POINTS OF THE WET PIPE SPRINKLER SYSTEM. (MINIMUM OF ONE (1) PER RISER). CONTRACTOR SHALL ALSO INCLUDE ONE (1) POTTER RBVS-T BALL VALVE WITH TAMPER SWITCH IN LINE TO THE AUTOMATIC AIR RELEASE VALVE. PIPE DISCHARGE TO EXTERIOR OR FLOOR DRAIN IN MECHANICAL ROOM.
26. ALL PENDANT AND DRY PENDANT SPRINKLER HEADS IN AREAS WITH CEILINGS SHALL BE CONCEALED HEADS WITH FLAT COVER PLATES.
27. CONTRACTOR SHALL NOT USE BEAM CLAMPS TO HANG PIPE FROM METAL PURLINGS. USE SAMMY SUPER SCREW ONLY INSTALLED ON SIDE OF PURLING.
28. SPRINKLER CONTRACTOR SHALL COORDINATE WITH ELECTRICAL SUBCONTRACTOR ON ALL ELECTRICAL EQUIPMENT AND PANEL LOCATIONS, AS TO AVOID ROUTING SPRINKLER PIPING IN CLEAR WORK SPACE.
29. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL" WHERE USED.

FIRE PROTECTION KEYNOTES:

1. CONNECT TO EXISTING WATER MAIN THIS VICINITY. CONTRACTOR SHALL PAY ALL COSTS AND COMPLY WITH ALL REQUIREMENTS OF WATER SUPPLIER. EXTEND SIX (6) INCH C900 DR18 PVC PIPE TO SPRINKLER RISER ROOM ROOM. ROUTE PIPE TO AVOID CONFLICTS WITH EXISTING EQUIPMENT, STRUCTURES, AND UNDERGROUND UTILITIES. MINIMUM BURIAL DEPTH FORTY TWO (42) INCHES.
2. INSULATED HEATED ALUMINUM ENCLOSURE (ASSE CLASS I) FOR FIRELINE DOUBLE DETECTOR CHECK VALVE ASSEMBLY AND DOMESTIC WATER BACKFLOW.
3. SIX (6) INCH DOUBLE DETECTOR CHECK VALVE ASSEMBLY IN INSULATED HEATED ENCLOSURE.
4. TWO (2) WAY FREESTANDING FIRE DEPARTMENT CONNECTION.
5. CHECK VALVE WITH AUTOMATIC DRIP VALVE LOCATED ON FDC LINE AT LOW POINT. PROVIDE VALVE BOX MARKED "FIRE VALVE" AT VALVE LOCATION.
6. NEW FIRE HYDRANT. PROVIDE CONTROL VALVE IN BOX MARKED "FIRE VALVE" AT VALVE LOCATION.
7. CONTINUED ON FIRE PROTECTION PLAN, SHEET CH-FP-200

ADG ENGINEERING

ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24232

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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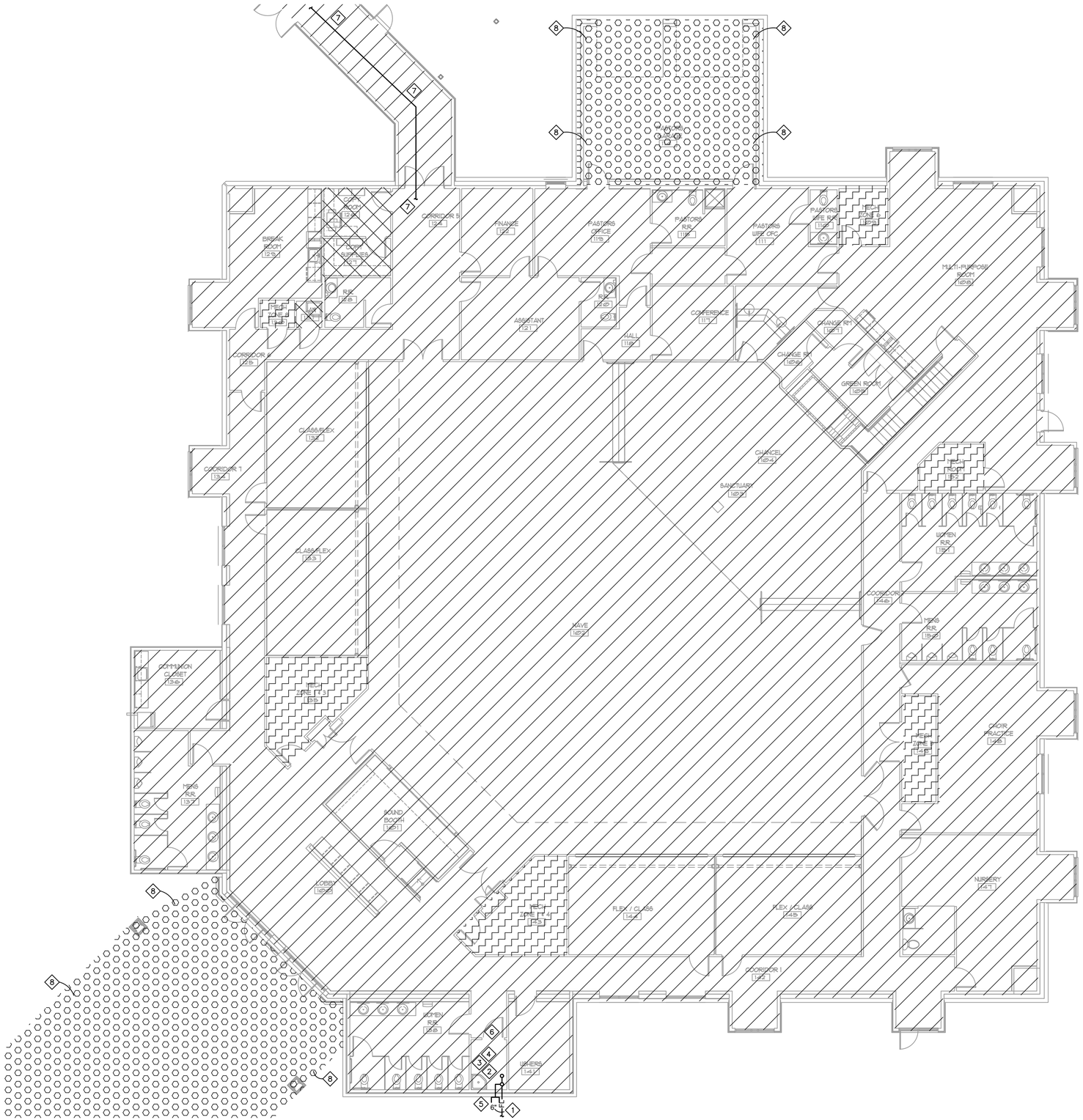
REVISIONS

GREATER ST MARY
MISSIONARY BAPTIST
CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

FIRE PROTECTION PLAN - SITE

BASE BID

CH-FP-100



1 FIRE PROTECTION PLAN - CHURCH

SCALE: 1/8" = 1'-0" REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

FIRE PROTECTION KEYNOTES:

1. CONTINUED ON FIRE PROTECTION SITE PLAN.
2. RISE UP WITH SIX (6) INCH LISTED STAINLESS STEEL "IN BUILDING RISER" INSIDE BUILDING FROM SIX (6) INCH C900 DR18 PVC PIPE. COORDINATE FINAL LOCATION WITH ALL TRADES.
3. SIX (6) INCH WET PIPE SPRINKLER RISER. COORDINATE LOCATION WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS AND COMPONENTS. ADJUST LOCATION AS REQUIRED FOR CODE COMPLIANCE.
4. SIX (6) INCH DRY PIPE RISER. COORDINATE LOCATION WITH EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS AND COMPONENTS. ADJUST LOCATION AS REQUIRED FOR CODE COMPLIANCE. PROVIDE GENERAL AIR VAPOR-PHASE CORROSION INHIBITOR (VPCI), OR APPROVED EQUAL. INSTALL IN-LINE OF THE COMPRESSED AIR LINE. SIZE SYSTEM FOR FINAL VOLUME CAPACITY OF DRY SYSTEM.
5. UNDERGROUND TEST HEADER MOUNTED ON EXTERIOR WALL. PROVIDE METAL IDENTIFICATION SIGN AT EXTERIOR WALL. PROVIDE ISOLATION VALVE IN-LINE OF PIPE (NORMALLY CLOSED.) REFER TO DETAIL FOR REQUIRE DEVICES.
6. TANK MOUNTED THREE-QUARTER (3/4) HP AIR COMPRESSOR.
7. EXTEND SPRINKLER MAIN TO FEED SPRINKLER SYSTEM FOR MULTIPURPOSE BUILDING. SIZE OF MAIN SHALL BE DETERMINED FROM HYDRAULIC CALCULATIONS. REFER TO SHEET MC-FP-201 FOR CONTINUATION.
8. UTILIZE CORROSION RESISTANT SPRINKLER HEADS THIS AREA.

LIGHT HAZARD WET PIPE SPRINKLER SYSTEM THIS AREA

ORDINARY HAZARD GROUP I WET PIPE SPRINKLER SYSTEM THIS AREA

ORDINARY HAZARD GROUP II WET PIPE SPRINKLER SYSTEM THIS AREA

LIGHT HAZARD DRY PIPE SPRINKLER SYSTEM THIS AREA

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 25350
PROFESSIONAL ENGINEER

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

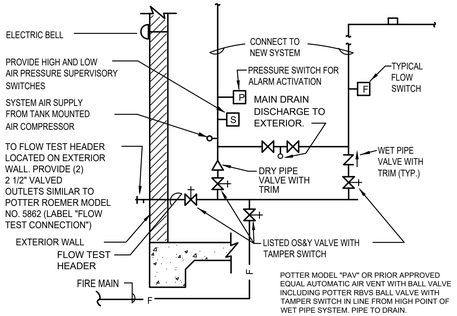
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1401 MOELING STREET
LAKE CHARLES, LA 70601

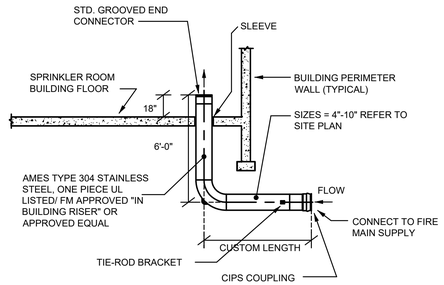
FIRE PROTECTION PLAN

BASE BID

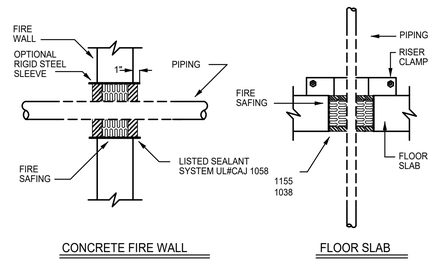
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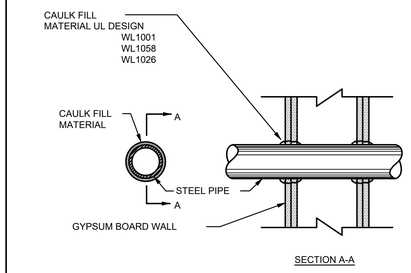
1 WET AND DRY PIPE RISER
NO SCALE



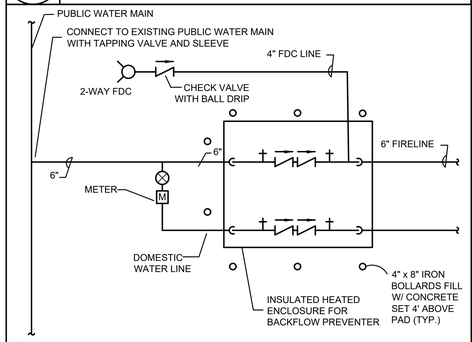
2 FIRE LINE ENTRY DETAIL
NO SCALE



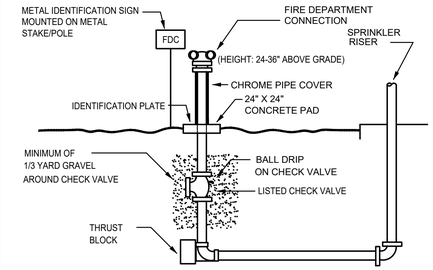
3 TYPICAL FIRE PENETRATION DETAIL
NO SCALE



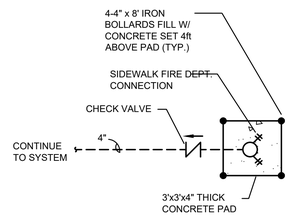
4 TYPICAL GYPSUM WALL FIRE PENETRATION DETAIL
NO SCALE



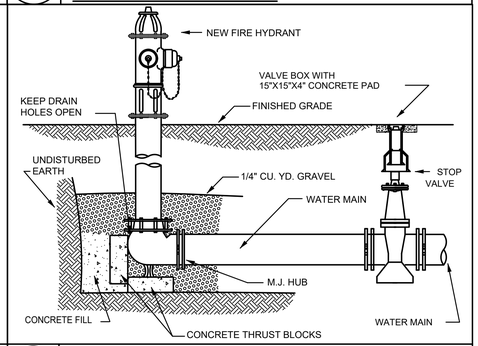
5 FIRELINE AND DOMESTIC WATER TAP
NO SCALE



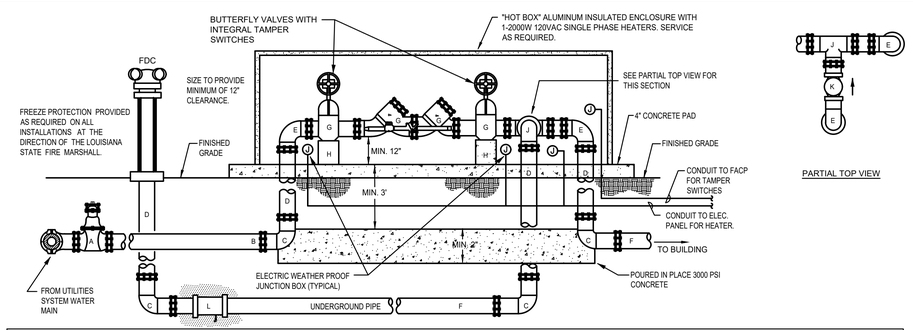
6 FREE STANDING FIRE DEPT. CONNECTION PIPING DIAGRAM
NO SCALE



7 CONCRETE PAD AT FIRE DEPT. CONNECTION
NO SCALE



8 FIRE HYDRANT DETAIL
NO SCALE



LEGEND *

A- MJ RESILIENT GATE VALVE AND BOX (INSTALLATION VARIES): TAPPING VALVE/SLEEVE-M&H 974/MUELLER H615; GATE VALVE/ANCHOR TEE-M&H (AWWA C-509) /MJ DUCTILE IRON (350 PSI) AWWA C-110/C-153; BOX/TYLER 5-1/4.

B- AWWA CLASS 150, C-900, SDR 18, PVC PIPE.

C- 90° MJ DUCTILE IRON (350 PSI) FITTING (AWWA C-110/C-153) WITH RETAINER GLANDS (FORD UFR 500/UFR 1400).

LEGEND *

D- DUCTILE IRON FLANGED BY PLAIN END PIPE (AWWA C-151).

E- 90° FLANGED DUCTILE IRON (350 PSI) FITTING (AWWA C-110/C-153).

F- AWWA CLASS 200, C-900, PVC PIPE.

G- APOLLO MODEL DCDALF 4A SERIES OR WILKINS 350 ASTDA ASSEMBLY WITH BY-PASS METER, BUTTERFLY VALVES, AND BY-PASS DOUBLE CHECK VALVE.

LEGEND *

H- CONCRETE SUPPORT.

I- ALL FITTINGS/JOINTS/VALVES/APPURTENANCES MUST BE RESTRAINED. TWO VALVES WILL BE REQUIRED WHERE THE EXISTING MAIN IS EXTENDED (IE: PUBLIC ROADWAY CROSSING).

J- TEE

K- CHECK VALVE

L- BALL DRIP.

9 FIRE LINE DOUBLE CHECK DETECTOR W/BUTTERFLY VALVES IN HOT BOX DETAIL
NO SCALE

KING architects INC.
Barry D. King, AIA,
Architect
1312 Sampson St.
Westlake, LA 70669
337.494.0806
www.kingarchitects.net

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REVISIONS

STATE OF LOUISIANA
R. CRAIG CAMPBELL, II
License No. 29360
PROFESSIONAL ENGINEER

GREATER ST MARY MISSIONARY BAPTIST CHURCH COMPLEX
1401 MOELING STREET
LAKE CHARLES, LA 70601

ADG ENGINEERING
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

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FIRE PROTECTION DETAILS

BASE BID

CH-FP-300