COURTNEY CHRISTIAN SCHOOL

ADDITIONS

HAMMOND, LOUISIANA

Piazza Architecture Planning APAC
Mandeville Louisiana

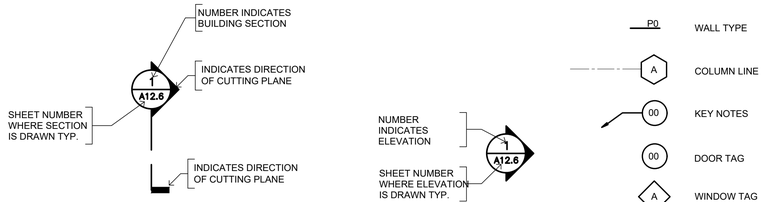
847 galvez street • suite 200 • mandeville • louisiana • 70448
phone: 985•626•1564 fax: 985•626•8289
e-mail: piazza@847galvez.com web site: www.piazza-aia.com

project
5719-C+E

date
6.18.20

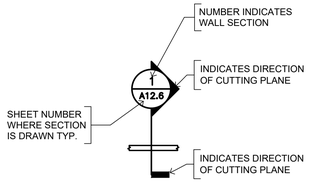
set

1 PROJECT SYMBOLS
SCALE: NONE

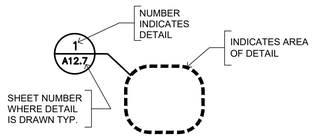


BUILDING SECTION TAG

INTERIOR ELEVATION TAG



WALL SECTION TAG



DETAIL TAG

ABBREVIATIONS

A.F.F. - ABOVE FINISH FLOOR
ACT. - ACOUSTICAL CEILING TILE
ALUM. - ALUMINUM
BRD. - BOARD
BIT. - BITUMINOUS
BLK. - BLOCK
C.G. - CORNER GUARD
CLG. - CEILING
CLO. - CLOSET
CMU - CONCRETE MASONRY UNIT
CONC. - CONCRETE
CONT. - CONTINUOUS
DBL. - DOUBLE
DIA. - DIAMETER
DN. - DOWN
DTL. - DETAIL
EA. - EACH
EL., ELEV. - ELEVATION
ELECT. - ELECTRIC
E.J. - EXPANSION JOINT
EXP. - EXPANSION
EXT. - EXTERIOR

EWC - ELECTRIC WATER COOLER
FE - FIRE EXTINGUISHER
FEC - FIRE EXTINGUISHER CABINET
FIN. - FINISH
F.R. - FIRE RESISTANT
GA. - GAUGE
GALV. - GALVANIZED
GR. - GRADE
GWB - GYPSUM WALL BOARD
GYP. - GYPSUM
H. - HIGH
H.M. - HOLLOW METAL
H.P. - HIGH POINT
HR. - HOUR
INSUL. - INSULATION
JT. - JOINT
MAX. - MAXIMUM
MECH. - MECHANICAL
MIN. - MINIMUM
MTL. - METAL
N.I.C. - NOT IN CONTRACT
O.C. - ON CENTER

PLAS. LAM. - PLASTIC LAMINATE
PLYWD. - PLYWOOD
P.T. - PRESSURE TREATED
REF. - REFRIGERATOR
RIENF'D. - RIENFORCED
REQ'D - REQUIRED
S.S. - STAINLESS STEEL
SCH. - SCHEDULE
SIM. - SIMILAR
SQ. - SQUARE
SUSP. - SUSPENDED
T&B - TOP AND BOTTOM
TELE. - TELEPHONE
THK. - THICK
T.O. - TOP OF
TRTD - TREATED
TYP. - TYPICAL
UL - UNDERWRITERS LABORATORIES
U.N.O. - UNLESS NOTED OTHERWISE
VERT. - VERTICAL
W/ - WITH
WD. - WOOD

2. PROJECT DATA
SCALE: NONE

CODES:
IBC 2015 INTERNATIONAL BUILDING CODE
NFPA 101 LIFE SAFETY CODE 2015
IMC 2012 INTERNATIONAL MECHANICAL CODE
NEC 2005 NATIONAL ELECTRIC CODE
IPC 2012 INTERNATIONAL PLUMBING CODE
LOUISIANA STATE FIRE MARSHAL ACT
AMERICANS WITH DISABILITIES ACT ARCHITECTURAL GUIDELINE
COMMERCIAL BUILDING ENERGY CONSERVATION CODE
CITY OF HAMMOND LAND USE REGULATION

PROPERTY:
PROJECT ADDRESS: ROBIN HOOD DRIVE
LOCATION: ROBIN HOOD DRIVE HAMMOND, LOUISIANA

FLOOD DESIGN DATA:
FLOOD ZONE: "X"
GRADE ELEVATION: 38.1'
DESIGN FLOOD ELEVATION: N/A
LOWEST FLOOR ELEVATION: 38.7

BUILDING USE: GROUP: (IBC SECTION 302 thru 312)	GROUP E	GROUP A-3
CONSTRUCTION TYPE AND MAXIMUM AREA: CONSTRUCTION TYPE: (IBC SECTION 602)	TYPE V-B	TYPE II-B
FIRE SPRINKLER SYSTEM REQ'D: (IBC SECTION 903)	NO	YES
FIRE SPRINKLER SYSTEM PROVIDED:	NO	YES
FIRE ALARM SYSTEM REQUIRED: (IBC SECTION 907.2)	YES	YES
FIRE ALARM SYSTEM PROVIDED:	YES	YES
MAXIMUM NUMBER OF STORIES (IBC CODE TABLE 503)	1	3
MAXIMUM BUILDING AREA (IBC CODE TABLE 503)	9,500 SQ. FT.	38,000 SQ. FT.
MAXIMUM BUILDING AREA (PER BUILDING) (AREA MODIFICATION PER IBC CODE 506.2.3)	14,060 SQ. FT.	NOT REQUIRED
OVERALL BUILDING AREA:	10,887 SQ. FT. (ENCLOSED)	7,594 SQ. FT. (ENCLOSED)
OCCUPANT LOAD AND EXITS: OCCUPANT LOAD (IBC TABLE 1004.1.2) CLASSROOMS: 1 PER 20 NET OTHER VOCATIONAL ROOMS: 1 PER 50 NET LIBRARY: 1 PER 100 GROSS ASSEMBLY WITHOUT FIXED SEATS, CHAIR ONLY: 1 PER 7 NET	CLASSROOMS: 8,000 NET SQ. FT. MUSIC: 323 NET SQ. FT. LIBRARY: 506 GROSS SQ. FT. 412 OCCUPANTS	5,948 NET SQ. FT. 850 OCCUPANTS
EXITS MINIMUM REQUIRED: (IBC TABLE 1006.3.1)	2	2
PROVIDED:	3	4
EXIT CAPACITY REQUIRED:	412 x .2"/person = 82.4"	850 x .2"/person = 170""
EXIT CAPACITY PROVIDED:	180"	288"
TRAVEL DISTANCE: MAX. ALLOWABLE TRAVEL DISTANCE TO EXITS: (NFPA TABLE 7.6) MAX. ALLOWABLE COMMON PATH OF TRAVEL: (NFPA TABLE 7.6) MAX. DEAD END CORRIDOR: (NFPA TABLE 7.6)	GROUP "E" (NON-SPRINKLED) 150' 75' 20'	GROUP "A" (SPRINKLED) 250' 75' 20'
DESIGN LOADS:		
CLASSROOMS	40 PSF	N/A
CORRIDORS	100 PSF	100 PSF
GYMNASIUM	N/A	100 PSF
PLATFORM	N/A	100 PSF
ROOF LIVE LOAD	20 PSF	20 PSF
ROOF(GROUND) SNOW LOAD: (IBC FIGURE 1608.2)	5 PSF	5 PSF
WIND DESIGN DATA:		
WIND SPEED: (IBC FIGURE 1609A)	130 - 140 MPH ZONE	130 - 140 MPH ZONE
WIND SPEED: INTERPOLATED	133 MPH	133 MPH
WIND IMPORTANCE FACTOR:	1.0	1.0
RISK CATEGORY: (IBC TABLE 1604.5)	III	III
WIND EXPOSURE: (IBC SECTION 1609.4)	B	B
COMPONENTS AND CLADDING:	REFERENCE STRUCTURAL	REFERENCE STRUCTURAL
FIRE RESISTANCE RATING: (IBC TABLE 601 and 602)		
EXTERIOR WALLS:	0	0
INTERIOR WALLS: COMMON CORRIDOR: CUSTODIAN CLOSET: STORAGE	1 HR 1 HR N/A	N/A N/A NOT REQUIRED
CEILING/FLOOR:	0	0
COLUMNS:	0	0
BEAMS:	0	0
DRAFTSTOPS: REQUIRED IN ATTIC - 3000 S.F. (WOOD CONSTRUCTION ONLY)	REQUIRED	NOT REQUIRED

3. INDEX OF DRAWINGS
SCALE: NONE

4. DIRECTORY
SCALE: NONE

OWNER: COURTNEY CHRISTIAN SCHOOL
121 ROBIN HOOD DRIVE
HAMMOND, LA. 70403
PHONE: 985-393-0227

ARCHITECT: PIAZZA ARCHITECTURE PLANNING
847 GALVEZ STREET - SUITE 200
MANDEVILLE, LOUISIANA 70448
PHONE (985) 626-1564, FAX (985) 626-8289
EMAIL: piazza@847galvez.com
CONTACT: MICHAEL PIAZZA

5. VICINITY MAP
SCALE: NONE

project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA NO. 18377 STATE OF LOUISIANA REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet A01.1 of

1. PROJECT GENERAL NOTES:
SCALE: NONE

GENERAL:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.

2. CONTRACTOR SHALL OBTAIN ALL LOCAL AND STATE PERMITS AS REQUIRED BEFORE START OF CONSTRUCTION.

3. THE CONTRACTOR SHALL PROVIDE ANY SURVEYS, TESTING OR ENGINEERING REQUIRED TO INSURE SAFE AND COMPLETE CONSTRUCTION.

4. CONTRACTOR SHALL PASS ALL INSPECTIONS AND APPROVALS AS REQUIRED BY LOCAL AUTHORITIES DURING COURSE OF CONSTRUCTION.

5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK.

6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION.

7. CONTRACTOR SHALL ASK FOR DETAILS WHENEVER UNCERTAIN ABOUT METHODS OF INSTALLATION. LACK OF DETAILS NOT REQUESTED SHALL NOT EXCUSE IMPROPER INSTALLATION AND CORRECTION SHALL BE RESPONSIBILITY OF CONTRACTOR.

8. CONTRACTOR SHALL KEEP AN ACCURATE RECORD OF ALL CHANGES MARKED IN INK ON THE CONTRACT DOCUMENTS DURING CONSTRUCTION, INCLUDING LOCATION OF ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL FURNISH OWNER AND ARCHITECT A COPY OF THIS RECORD BEFORE ACCEPTANCE IS RECORDED.

9. CONTRACTOR SHALL SECURE AND OBTAIN THE CERTIFICATE OF OCCUPANCY FROM LOCAL AUTHORITIES BEFORE FINAL PAYMENT WILL BE ISSUED.

10. THESE DRAWINGS HAVE BEEN DRAWN AND CHECKED TO INSURE A REASONABLE AND NORMALLY ACCEPTABLE DEGREE OF ACCURACY. HOWEVER; THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL DIMENSIONS, DETAILS AND REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS PRIOR TO START OF WORK.

11. THE SHEETS IN THESE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY TO EACH OTHER; WHAT IS CALLED FOR BY ONE SHALL BE BINDING AS IF CALLED FOR BY ALL.

SITE:

12. ALL EXISTING REMAINING TREES SHOWN OR NOT ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, WHERE TREE LOCATION DISCREPANCY OCCURS, CONTACT THE ARCHITECT PRIOR TO STARTING CONSTRUCTION.

13. ALL CONCRETE SIDEWALKS U.N.O. SHALL BE 5" THICK, 4000 PSI AT 28 DAYS CONCRETE (150 LBS/CF) WITH 6X6 6/6 WWF, CONSTRUCTION JOINTS SHALL BE AT 4'-0" O.C. AND EXPANSION JOINTS AT 32'-0" O.C., 1/2" PREMOLDED FILLER AT EXPANSION JOINTS. ALL JOINTS AND EDGES SHALL BE TROWELED TO A 1/2" RADIUS, FINISH SHALL BE BROOM FINISH. SLOPES AND CROSS SLOPES SHALL MEET ADA REQUIREMENTS.

EGRESS:

14. A DOORWAY IN A MEANS OF EGRESS SHALL PROVIDE AT LEAST 32" CLEAR (CONSIDER A 3'-0" DOOR). WHERE A PAIR OF DOORS IS PROVIDED, AT LEAST ONE LEAF SHALL COMPLY.

15. HOLLOW METAL FRAMES SHALL CONFORM WITH STEEL DOOR INSTITUTE RECOMMENDED SPECIFICATIONS, SDI-100.

16. DOORS SHALL BE READILY OPENED FROM THE SIDE OF THE EXIT TRAVEL AT ALL TIMES THE BUILDING IS OCCUPIED.

17. LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL DEVICE, OR SPECIAL KNOWLEDGE TO OPEN IN THE DIRECTION OF EGRESS.

18. ALL DOORS IN A REQUIRED MEANS OF EGRESS MAY BE PROVIDED WITH A LATCH OR LOCK ONLY IF IT IS EQUIPPED WITH PANIC HARDWARE.

19. EXIT DISCHARGE SHALL PROVIDE OCCUPANTS SAFE ACCESS TO A PUBLIC WAY.

20. EGRESS SHALL NOT BE THROUGH A ROOM SUBJECT TO LOCKING IN THE DIRECTION OF EGRESS.

21. PROVIDE LANDINGS OUTSIDE EXTERIOR DOORS LEVEL WITH THE FLOOR.

22. THE FLOOR SHALL BE LEVEL ON BOTH SIDES OF A DOOR.

23. FINAL HARDWARE SELECTION TO BE MADE BY OWNER AND ARCHITECT, CONTRACTOR TO SUBMIT INFORMATION FOR SELECTIONS.

24. BATHROOM DOOR LOCKS SHALL PERMIT OPENING FROM THE OUTSIDE IN CASE OF EMERGENCY, BY STAFF PERSONNEL.

INSULATION:

25. INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF SECTION 719, IBC 2015, EDITED AS AMENDED.

26. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPMENT FACTOR OF 0-450, IN ACCORDANCE WITH SECTION 719, IBC 2015.

27. EXPOSED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPMENT FACTOR OF 0-450.

28. INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPMENT FACTOR OF 0-450, IN ACCORDANCE WITH SECTION 719, IBC 2015.

GLAZING:

29. PROVIDE SAFETY GLAZING IN HAZARDOUS LOCATIONS AS DEFINED BY SECTION 2406, IBC 2015.

30. WINDOW WALL RECOMMENDATIONS PUBLISHED BY AAMA IN THE "METAL CURTAIN WALL, WINDOW STOREFRONT, AND ENTRANCE GUIDE SPECIFICATIONS MANUAL" APPLIES TO THIS PROJECT.

CORRIDOR:

31. THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 1005.1, IBC 2015, BUT SHALL NOT BE LESS THAN 72 INCHES.

32. WHERE CORRIDORS MUST BE SEPARATED FROM USE AREAS, A 1 HOUR FIRE WALL AND SELF-CLOSING 45 MINUTE LABELED DOOR/FRAME ASSEMBLIES ARE REQUIRED. REFER TO PLAN FOR LOCATIONS AND PARTITION TYPES FOR UL FILE NUMBER AND DETAILS.

LIFE SAFETY:

33. ENCLOSE OR OTHERWISE PROTECT PENETRATIONS IF SYSTEMS ARE SERVING MORE THAN ONE FLOOR OF FIRE AREA TO MAINTAIN THE FIRE INTEGRITY REQUIRED FOR VERTICAL OPENINGS, SECTION 712, IBC 2015.

34. SEPARATE STORAGE ROOMS OVER 100 SQUARE FEET FROM OTHER PARTS OF THE BUILDING BY ONE HOUR FIRE RESISTANT CONSTRUCTION USING SELF-CLOSING 45 MINUTE LABELED DOORS AND FRAMES, SECTION 302, TABLE 302.1.1 IBC 2015.

35. PROTECT VERTICAL OPENINGS IN ACCORDANCE WITH CHAPTER 7, IBC 2015.

36. A REQUIRED FIRE SEPARATION SHALL BE CONTINUOUS FROM FOUNDATION THROUGH ALL INTERVENING CONSTRUCTION TO THE ROOF DECK, FROM OUTSIDE WALL TO OUTSIDE WALL OR FROM FIRE BARRIER TO FIRE BARRIER. PROVIDE UL OR FM LISTED ASSEMBLY.

37. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.

38. INSTALL GAS PIPING IN ACCORDANCE WITH NFPA 54.

39. GAS-FIRED EQUIPMENT SHALL BE U.L. LISTED FOR ITS INTENDED USE AND SHALL BE INSTALLED AND VENTED IN ACCORDANCE WITH NFPA 54.

FIRE EXTINGUISHER:

40. FIRE EXTINGUISHER AND CABINET SHALL COMPLY WITH APPLICABLE UL STANDARDS AND ARE LABELED BY UL. MULTI-PURPOSE DRY CHEMICAL TYPE (4A-60BC-FE), CABINET TO BE SEMI-RECESS TYPE WITH BUBBLE TYPE DOOR.

41. PROVIDE HAND-OPERATED FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA-10.

42. ALL WORK AND INSPECTIONS OF FIRE ALARM, FIRE SUPPRESSION, AUTOMATIC SPRINKLER AND FIRE EXTINGUISHING SYSTEMS OR PORTABLE FIRE EXTINGUISHERS SHALL BE PERFORMED BY A STATE OF LOUISIANA CERTIFIED AGENT.

43. TRAVEL DISTANCE TO A FIRE EXTINGUISHERS SHALL NOT EXCEED 75 FEET.

44. TOP OF FIRE EXTINGUISHER, HAVING A GROSS WEIGHT LESS THAN 40 LBS., SHALL BE NOT MORE THAN 5 FEET ABOVE THE FLOOR; 3-1/2 FEET IF GROSS WEIGHT 40 LBS OR GREATER.

MISCELLANEOUS:

45. MASONRY VENEER ANCHORED TO WOOD FRAMING SHALL BE ATTACHED AS PER SECTION 1404.4, IBC 2015.

46. CONTRACTOR SHALL KEEP ALL ROADWAYS CLEAN AND FREE OF CONSTRUCTION DIRT AND DEBRIS.

47. CONTRACTOR SHALL ONLY PARK IN AREAS APPROVED BY THE OWNER.

MASONRY NOTES:

1. CONCRETE MASONRY, CLAP OR SHALE MASONRY UNITS SHALL CONFORM TO ASTM STANDARDS AS DEFINED IN SECTION 2103, IBC 2015.

2. CERAMIC TILE SHALL BE AS DEFINED IN ANSI A137.1 AND SHALL CONFORM TO THE REQUIREMENTS OF ANSI A137.1.

3. MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C 270 AND SHALL CONFORM TO THE PROPORTION SPECIFICATIONS OF TABLE 2103.7(1) OR THE PROPERTY SPECIFICATIONS OF TABLE 2103.7(2), IBC 2015.

4. TYPE S OR N MORTAR SHALL BE USED FOR GLASS UNIT MASONRY.

5. MASONRY CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS 2104.1 THROUGH 2104.5, IBC 2015.

6. A QUALITY ASSURANCE PROGRAM SHALL BE USED TO ENSURE THAT THE CONSTRUCTED MASONRY IS IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, AS PER SECTION 2105, IBC 2015.

7. WALL TIES TO BE GALVANIZE METAL OR STAINLESS STEEL AND SET AT 16" O.C. BOTH IN VERTICAL AND HORIZONTAL DIRECTIONS, TIES IN ALTERNATE COURSES SHALL BE STAGGERED. ADDITIONAL TIES SHALL BE PROVIDED AT ALL OPENINGS WITHIN 12 INCHES OF THE OPENING. INSTALLED AS PER SECTION 2104.1.3, IBC 2015.

8. GALVANIZED STEEL LINTELS TO BE USED AT ALL MASONRY OPENINGS, 3 1/2"X3 1/2" AT OPENINGS 3' AND UNDER; 5 1/2"X5 1/2" FOR OPENINGS 3'-8'. LINTEL LENGTHS TO BE 1' LONGER THAN OPENING WIDTH.

9. WEEP HOLES SHALL BE AT 32" O.C. MAXIMUM AND SHALL NOT BE LESS THAN 3/16 INCH IN DIAMETER.

GENERAL ACCESSIBILITY NOTES:

1. PROVIDE HANDICAPPED ACCESSIBILITY IN ACCORDANCE WITH ADA-ABA (2010). THIS PROJECT SHALL INCLUDE, BUT NOT BE LIMITED THE FOLLOWING REQUIREMENTS:

SITE:

2. PARKING SPACES SHALL COMPLY WITH SECTION 4.6.3. PARKING SPACES AND AISLES SHALL BE LEVEL. RAMPS SHALL NOT ENCROACH INTO AISLES.

3. PROVIDE AN ACCESSIBLE ROUTE FROM EACH ACCESSIBLE PARKING SPACE TO THE ACCESSIBLE BUILDING ENTRANCE.

4. MINIMUM CLEAR WIDTH TO BE 36", PASSING SPACES REQUIRED AT MAXIMUM OF 200' (60" X 60" AREA).

5. LEAST POSSIBLE SLOPE FOR RAMPS AND ACCESSIBLE ROUTES SHALL BE 1:12.

6. PROVIDE CURB RAMPS WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.

7. SLOPE OF FLARED CURB RAMP SIDES SHALL NOT EXCEED 1:10.

8. CROSS SLOPE SHALL NOT EXCEED 1:50.

9. RUNNING SLOPE SHALL NOT EXCEED 1:20.

10. RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. PROVIDE EDGE PROTECTION AT OPEN SIDES OF RAMPS AND LANDINGS. CURBS SHALL BE NOT LESS THAN 4" HIGH IN ACCORDANCE WITH 101:7.2.5.3.3.

EGRESS:

11. THE ACCESSIBLE ROUTE SHALL, TO THE MAXIMUM EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR THE GENERAL PUBLIC.

12. PROVIDE SIGNAGE AT ACCESSIBLE ENTRANCE(S) AND DIRECTIONAL SIGNAGE AT ALL INACCESSIBLE ENTRANCES.

13. GROUND AND FLOOR SURFACES SHALL BE FIRM, STABLE AND SLIP-RESISTANT.

14. A DOORWAY IN MEANS OF EGRESS SHALL PROVIDE AT LEAST 32" CLEAR (CONSIDER A 3'-0" DOOR). WHERE A PAIR OF DOORS IS PROVIDED, AT LEAST ONE LEAF SHALL COMPLY.

15. THRESHOLDS SHALL COMPLY WITH REQUIREMENTS OF THIS SECTION 4.5.2 REGARDING CHANGES IN LEVEL. (MAXIMUM THRESHOLD HEIGHT TO BE 1/2" AND BEVELED IF OVER 1/4", 3/4" AT EXTERIOR SLIDING DOORS).

16. PROVIDE LANDING OUTSIDE EXTERIOR DOORS LEVEL WITH THE FLOOR.

17. THE FLOOR SHALL BE LEVEL ON BOTH SIDES OF A DOOR.

18. HANDLES, PULLS, LATCHES, AND OTHER OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS ARE ACCEPTABLE DESIGNS.

19. PROVIDE MANEUVERING CLEARANCE AT DOORS IN ACCORDANCE WITH FIGURE 45(A,B,C).

20. HANDRAILS REQUIRED ON BOTH SIDES OF ALL STAIRS, HEIGHT TO BE 34" - 38", MEASURED FROM STAIR NOSING, 1-1/2" CLEAR SPACE BETWEEN RAIL AND WALL.

21. RAMPS THAT EXCEED 6" IN RISE, OR 72" IN RUN, SHALL HAVE HANDRAILS ON BOTH SIDES. HEIGHT TO BE 34" TO 38" ABOVE RAMP SURFACE, AND EXTEND AT LEAST 12" BEYOND TOP AND BOTTOM OF RAMP, PARALLEL TO RAMP SURFACE.

MISCELLANEOUS:

22. PROVIDE ACCESSIBLE SERVICE/TELLER/INFORMATION COUNTER(S) IN ACCORDANCE WITH SECTION 7.2(2).

23. ACCESSIBLE COUNTER HEIGHT SHALL BE FROM 28" TO 34" ABOVE THE FINISHED FLOOR AT RECEPTION COUNTER.

24. EMPLOYEE WORK AREAS SHALL BE DESIGNED AND CONSTRUCTED AS THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER AND EXIT.

25. MINIMUM CLEAR HEADROOM TO BE 80".

26. OBJECTS PROJECTING FROM WALL WITH THEIR LEADING EDGES BETWEEN 27" AND 80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO THE WALLS OR COORIDORS.

27. OPENINGS FOR AREAS LESS THAN 24" IN DEPTH SHALL HAVE CLEAR OPENING OF 20" MIN.

TOILET ROOMS:

28. TOILET ROOMS SHALL COMPLY WITH REQUIREMENTS OF SECTION 4.22.

29. STANDARD ACCESSIBLE TOILET SHALL HAVE MINIMUM WIDTH OF 60" AND MINIMUM DEPTH OF 59" FOR FLOOR MOUNTED WATER CLOSET (56" WITH WALL MOUNTED UNIT), FOR OUTWARD SWINGING DOOR.

30. WATER CLOSETS SHALL BE LOCATED 18" FROM A SIDE WALL OR PARTITION.

31. THE HEIGHT TO THE TOP OF THE TOILET SEAT SHALL BE 17" TO 19".

32. FLUSH CONTROLS SHALL BE 44" MAXIMUM ABOVE FINISHED FLOOR.

33. GRAB BARS FOR TOILETS SHALL BE PROVIDED 33" TO 36" ABOVE FINISH FLOOR:
SIDE WALL: 42" LONG MINIMUM, 12" FROM BACK WALL.
BACK WALL: 36" LONG MINIMUM, 12" MIN. EACH SIDE OF WATER CLOSET CENTER LINE.

34. URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH AN ELONGATED RIM AT 17" MAX. ABOVE FINISH FLOOR. A CLEAR FLOOR SPACE 30" WIDE BY 48" DEEP MINIMUM SHALL BE PROVIDED.

35. TOILET PAPER DISPENSERS SHALL BE INSTALLED BELOW GRAB BAR, 19" MINIMUM ABOVE FLOOR AND 36" MAXIMUM FROM THE REAR WALL.

36. LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAT 34" ABOVE FINISH FLOOR, SHALL EXTEND 17" MINIMUM FROM WALL, CLEARANCE OF 29" MINIMUM FROM FINISH FLOOR TO BOTTOM OF APRON.

37. A CLEAR FLOOR SPACE 30" BY 48" SHALL BE IN FRONT OF LAVATORIES.

38. HOT WATER AND DRAIN PIPES UNDER ALL LAVATORIES SHALL BE INSULATED, THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

39. LAVATORY CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST; LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE DESIGNS.

40. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40" MAX. ABOVE THE FINISH FLOOR.

41. PROVIDE DRINKING FOUNTAIN(S) IN COMPLIANCE WITH SECTION 4.15.

SIGNAGE:

42. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR MOUNTING HEIGHT SHALL BE 60" ABOVE FINISH FLOOR TO THE CENTERLINE OF THE SIGN.

43. ALL INTERIOR SIGNAGE TO BE IN LETTER AND BRAILLE FORM, STYLE, COLOR, DESIGN AND LOCATION TO BE SUPPLIED BY ARCHITECT, ONE SIZE FOR EACH DOOR TO BE SUPPLIED, SIZE TO BE 4" X 4" MAXIMUM.

44. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1, AND A STROKE - WIDTH - TO - HEIGHT RATIO BETWEEN 1:5 AND 1:10.

45. LETTERS AND NUMERALS SHALL BE RAISED 1/32" AND SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE. RAISED CHARACTER HEIGHT: 5/8" MINIMUM, 2" HIGH MAXIMUM.

46. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH. CHARACTER AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.

47. PROVIDE LOW LEVEL MOUNTED EXIT SIGNAGE IN ACCORDANCE WITH 4.30.1, 4.30.4, 4.30.5 AND 4.30.6 (RAISED CHARACTER, LETTER SIZE, MOUNTING) AT ALL REQUIRED EXITS.

48. HANDICAP PARKING SIGNAGE SHALL NOT BE OBSCURED BY VEHICLE.

DETECTABLE WARNING:

49. A MINIMUM 36" WIDE CONTINUOUS "DECTECTABLE WARNING" MUST BE PROVIDED AT THE BOUNDARY BETWEEN PEDESTRIAN AREAS AND VEHICULAR AREAS, THAT ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS. PROVIDE "DETECTABLE WARNINGS" AS PER 4.29.2 AT ACCESSIBLE PARKING AISLE.

50. A CURB RAMP SHALL HAVE A "DETECTABLE WARNING" COMPLYING WITH 4.29.2. THE "DETECTABLE WARNING" SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP.

51. REQUIRED "DETECTABLE WARNING" ON WALKING SURFACES SHALL CONSIST OF RAISED TRUNCATED DOMES.

52. THE "DETECTABLE WARNING" ON WALKING SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE THE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.

COLD FORMED METAL FRAMING:

1. INSTALL COLD-FORMED METAL FRAMING ACCORDING TO AISI'S "STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS" AND TO MANUFACTURER'S WRITTEN INSTRUCTIONS UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.

2. INSTALL COLD-FORMED METAL FRAMING AND ACCESSORIES PLUMB, SQUARE, AND TRUE TO LINE, AND WITH CONNECTIONS SECURELY FASTENED.

3. INSTALL FRAMING MEMBERS IN ONE-PIECE LENGTHS.

4. INSTALL TEMPORARY BRACING AND SUPPORTS TO SECURE FRAMING AND SUPPORT LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH STRUCTURE WAS DESIGNED. MAINTAIN BRACES AND SUPPORTS IN PLACE, UNDISTURBED, UNTIL ENTIRE INTEGRATED SUPPORTING STRUCTURE HAS BEEN COMPLETED AND PERMANENT CONNECTIONS TO FRAMING ARE SECURED.

5. DO NOT BRIDGE BUILDING EXPANSION AND CONTROL JOINTS WITH COLD-FORMED METAL FRAMING. INDEPENDENTLY FRAME BOTH SIDES OF JOINTS.

6. INSTALL INSULATION, SPECIFIED IN DIVISION 7 SECTION "BUILDING INSULATION," IN BUILT-UP EXTERIOR FRAMING MEMBERS, SUCH AS HEADERS, SILLS, BOXED JOISTS, AND MULTIPLE STUDS AT OPENINGS, THAT ARE INACCESSIBLE ON COMPLETION OF FRAMING WORK.

7. FASTEN HOLE REINFORCING PLATE OVER WEB PENETRATIONS THAT EXCEED SIZE OF MANUFACTURER'S STANDARD PUNCHED OPENINGS.

8. ERECTION TOLERANCES: INSTALL COLD-FORMED METAL FRAMING LEVEL, PLUMB, AND TRUE TO LINE TO A MAXIMUM ALLOWABLE TOLERANCE VARIATION OF 1/8 INCH IN 10 FEET AND AS FOLLOWS:

9. SPACE INDIVIDUAL FRAMING MEMBERS NO MORE THAN PLUS OR MINUS 1/8 INCH FROM PLAN LOCATION. CUMULATIVE ERROR SHALL NOT EXCEED MINIMUM FASTENING REQUIREMENTS OF SHEATHING OR OTHER FINISHING MATERIALS.

10. INSTALL TRACKS (RUNNERS) AT FLOORS AND OVERHEAD SUPPORTS. EXTEND FRAMING FULL HEIGHT TO STRUCTURAL SUPPORTS OR SUBSTRATES ABOVE SUSPENDED CEILINGS, EXCEPT WHERE PARTITIONS ARE INDICATED TO TERMINATE AT SUSPENDED CEILINGS. CONTINUE FRAMING AROUND DUCTS PENETRATING PARTITIONS ABOVE CEILING.

11. SLIP-TYPE HEAD JOINTS: WHERE FRAMING EXTENDS TO OVERHEAD STRUCTURAL SUPPORTS, INSTALL TO PRODUCE JOINTS AT TOPS OF FRAMING SYSTEMS THAT PREVENT AXIAL LOADING OF FINISHED ASSEMBLIES.

12. DOOR OPENINGS: SCREW VERTICAL STUDS AT JAMBS TO JAMB ANCHOR CLIPS ON DOOR FRAMES; INSTALL RUNNER TRACK SECTION (FOR CRIPPLE STUDS) AT HEAD AND SECURE TO JAMB STUDS.

    A. INSTALL TWO STUDS AT EACH JAMB, UNLESS OTHERWISE INDICATED.

    B. INSTALL CRIPPLE STUDS AT HEAD ADJACENT TO EACH JAMB STUD, WITH A MINIMUM 1/2-INCH CLEARANCE FROM JAMB STUD TO ALLOW FOR INSTALLATION OF CONTROL JOINT IN FINISHED ASSEMBLY.

    C. EXTEND JAMB STUDS THROUGH SUSPENDED CEILINGS AND ATTACH TO UNDERSIDE OF OVERHEAD STRUCTURE.

13. OTHER FRAMED OPENINGS: FRAME OPENINGS OTHER THAN DOOR OPENINGS THE SAME AS REQUIRED FOR DOOR OPENINGS, UNLESS OTHERWISE INDICATED. INSTALL FRAMING BELOW SILLS OF OPENINGS TO MATCH FRAMING REQUIRED ABOVE DOOR HEADS.

14. FIRE-RESISTANCE-RATED PARTITIONS: INSTALL FRAMING TO COMPLY WITH FIRE-RESISTANCE-RATED ASSEMBLY INDICATED AND SUPPORT CLOSURES AND TO MAKE PARTITIONS CONTINUOUS FROM FLOOR TO UNDERSIDE OF SOLID STRUCTURE.

15. INSTALL SUPPLEMENTARY FRAMING, BLOCKING, AND BRACING IN STUD FRAMING INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, CASEWORK, HEAVY TRIM, FURNISHINGS, AND SIMILAR WORK REQUIRING ATTACHMENT TO FRAMING. IF TYPE OF SUPPLEMENTARY SUPPORT IS NOT INDICATED, COMPLY WITH STUD MANUFACTURER'S WRITTEN RECOMMENDATIONS AND INDUSTRY STANDARDS IN EACH CASE, CONSIDERING WEIGHT OR LOAD RESULTING FROM ITEM SUPPORTED.

16. INSTALL HORIZONTAL BRIDGING IN EXTERIOR NON-LOAD BEARING STUD SYSTEM, SPACED AS RECOMMENDED BY MANUFACTURER BUT NOT MORE THAN 48" APART. FASTEN AT EACH STUD INTERSECTION.

project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA NO. 18387 STATE OF LOUISIANA REGISTERED ARCHITECT

P.A.P. © 2020

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet
A01.2
of

ENERGY CODE NOTES:

A. Envelope Requirements

1. Air Leakage

a. All joints and penetrations in the building envelope that are potential sources of air leakage must be caulked, gasketed, weatherstripped, or otherwise sealed in an approved manner.
b. Recessed lighting fixtures must be gasketed and IC rated; i.e., rated for direct contact with insulation.
c. The following areas must be sealed:
- exterior joints around window and door frames
- between wall sole plates, floors, and exterior-wall panels
- openings for plumbing, electricity, and refrigerant and gas lines in exterior walls, floors, and roofs
- openings in attic floors (such as where ceiling panels meet interior and exterior walls and masonry fireplaces)
- service and access doors or hatches
- all other similar openings in the building envelope
d. Maximum air leakage rates for manufactured windows and doors are specified in the table below. Windows and doors certified by an accredited laboratory (such as the National Wood Window and Door Association (NWWDA) or the Architectural Aluminum Manufacturers Association (AAMA) meet these requirements and are labeled. For noncertified windows and doors, check manufacturers' test reports to verify compliance with these air leakage requirements.

2. Maximum Allowed Air Leakage Rates

	Frame Types		
	Wood	Aluminum	PVC
Windows (cfm per ft of operable sash crack)	0.25	0.37	0.06
Sliding Doors (cfm per sq ft of door area)	N/A	0.37	0.37
Swinging Doors (cfm per sq ft of door area)	0.25	1.25	N/A

3. Building Component Certification

a. Insulation R-values and glazing and door U-factors must be clearly marked on building plans and specifications
b. Certification of installed components is required and can be accomplished through any of the following methods:
- product labels - for example, R-values of insulation printed directly on the insulation, striping codes, manufacturers' labels on windows
- contractor statements certifying the products they have installed
- check with your local building official for requirements on certifying building components in your jurisdiction

4. Certifying Installed Insulation

a. For blown or sprayed insulation, the initial installed thickness, settled thickness, coverage area, and number of bags used must be clearly posted at the job site.
b. For components having a manufacturer's guaranteed R-value rating thickness markers must be placed at least every 300 feet
c. For components without a manufacturer's guaranteed R-value rating, contact the Insulation Contractors Association of America for an approved way to ensure proper insulation levels are obtained.
d. All COMcheck-EZ insulation requirements assume the insulation is installed at its standard thickness. If insulation is compressed, the R-value is reduced and the building may not meet the requirements.

5. Fiberglass Batt Insulation R-Values and Standard Thicknesses

Insulation R-Value	Standard Thickness
R-11	3-1/2"
R-13	3-5/8"
R-15	3-1/2"
R-19	6-1/4"
R-21	5-1/2"
R-22	6-1/4"
R-30	9-1/2"
R-38	12"

B. Lighting Requirements

1. Control, Switching, and Wiring Requirements

All lighting systems must have controls or switches that allow occupants to manually or automatically dim lights or turn them on and off.

2. Interior-Lighting Controls

Independent interior-lighting controls are required for each area enclosed by ceiling-height partitions. These controls can be any of the following:

a. A switch located so the occupant can see the area controlled by the switch
b. A switch that indicates whether the lights are on or off when it is impossible to see the controlled area from the switch location
c. An occupant-sensing devise

Exceptions:

d. Areas that must be continuously illuminated for building security or emergency exits. These areas must be designated as security or emergency exit areas on the plans, and the lights must be controlled by switches accessible only to authorized personnel.
c. Public areas, such as building lobbies and retail stores. These lights can be controlled by a single switch for the entire area.

3. Bi-Level Switching

Lighting within a space must be switched so the occupant can reduce the connected lighting load by at least 50 percent in a reasonably uniform illumination pattern. Bi-level switching requirements may be met by

a. Switching alternate luminaires in a row or alternate rows of luminaires
b. Separately switching half of the lamps in each luminaire or two lamps in three-lamp luminaires
c. Using dimming controls on all lamps or luminaires

Exceptions - bi-level switching is not required if

d. The area has only one luminaire
e. An occupant-sensing device controls the area
f. The area is a corridor, storage area, rest room or main lobby

4. Exterior-Lighting Controls

Automatic controls are required for all exterior lights. The control may be a directional photocell, an astronomical time switch, or a building automation system with astronomical time switch capabilities. The control must automatically turn off exterior lighting when daylight is available

Exception - Lights in parking garages, tunnels, and other large covered areas that must be on during daylight hours are exempt from this requirement.

5. Tandem Wiring

The following types of one-lamp or three-lamp fluorescent fixtures must be tandem wired:

a. Pendant- or surface-mounted luminaires in continuous rows
b. Recess-mounted luminaires located within 10 feet of each other and served by the same switch

Exceptions

c. Luminaires that use electronic high-frequency ballasts
d. Luminaires that are not on the same switch control or in the same area

6. Interior-Lighting Requirements

Interior lighting must not exceed the allocated wattage determined on the lighting screen. Interior lighting includes all permanently installed general and task lighting shown on the plans. It does not include emergency lighting that is usually off, specialized lighting for medical or research purposes, lighting for museum or gallery displays, or lighting for plant growth

7. Exterior-Lighting Requirements

Exterior lighting must meet the following criteria to comply with COMcheck-EZ requirements

a. The power for all lighting must be supplied through the building electrical service
b. Energy-efficient lighting must be used when illuminating paths, walkways, and parking areas. Qualifying types of energy-efficient lighting sources include fluorescent lamps and ballasts, compact fluorescents, metal halide lamps and ballasts, and high-pressure sodium lamps and ballasts. Any lighting source that has an efficacy of 45 lumens per watt or greater is allowed for exterior lighting.

Exceptions - These criteria do not apply to:

c. Specialized signal, directional, and marker lighting associated with air, rail, water, and road transportation
d. Lighting used to highlight features of registered historic landmark structures or buildings
e. Lighting integral to advertising signage
f. Lighting used for safety or security specifically designed to meet health or life safety requirements
g. Low-voltage lighting used exclusively for landscaping

C. Mechanical Requirements

1. Mechanical Equipment Efficiency

COMcheck-EZ requires that mechanical systems and equipment meet the ASHRAE/IES Standard 90.1-2007 minimum energy efficiency levels.

2. Thermostats

Solid-state programmable heating and/or cooling thermostats that meet the following criteria are required:

a. One thermostat for each zone
b. Capable of automatically setting back or shutting down heating and cooling systems during nights and weekends
c. Must have an accessible override so occupants can operate the system during off-hours
d. Heat pumps with supplementary electric resistance heaters must have thermostats specifically designed for heat pump operation
e. Exception - A setback or shutoff control is not required on thermostats that control the temperature in
- residences
- hotel/motel guest rooms
- areas where heating and/or cooling systems must operate continuously

3. Air Economizer Systems

Where building applications exist where the utilization of outside favorable weather conditions will reduce the overall energy usage that, at the same time maintain indoor design conditions, such systems are to be considered

4. Outdoor-Air Ventilation Requirements

Ventilation systems shall be designed to be capable of reducing the supply of outdoor air to the minimum ventilation required by the Louisiana State Uniform Construction Code. Systems may be designed to supply outside air quantities exceeding minimum levels, but they shall be capable of operating at no more than minimum levels through the use of return ducts, mechanically or automatically operated control dampers, fan volume controls, or other devices.

5. Shutoff Dampers

Outdoor-air supply and exhaust systems with design air flow rates greater than 3000 cubic feet per minute of outdoor air must have dampers that automatically close while the equipment is not operating.

Exception: This requirements does not apply to automatic dampers mandated by health and life safety codes.

6. Natural Ventilation

Where natural ventilation is to be used to meet ventilation requirements, refer to your state or local code or Section 402 of the IMC to find minimum area requirements for openings. The codes typically require that a free opening equal to at least 4% of the floor area be available for natural ventilation.

7. Duct Insulation

Supply and return ducts for conditioned air located in unconditioned spaces (spaces neither heated nor cooled) must be insulated to at least the minimum R-values shown in the table below. Unconditioned spaces include attics, crawl spaces, unheated basements, unheated garages, and exterior-building cavities. to determine required minimum R-values, identify the climate zone from the Mechanical screen and find the R-value requirement for the duct location from the table below.

Building Location	Ducts in Unconditioned Spaces	Ducts Outside the Building
Zones 1 - 4	R-5	R-8
Zones 5 - 14	R-5	R-6.5
Zones 15 - 19	R-5	R-8

When ducts are located in the exterior building cavities, the full insulation R-value requirement for that building component must be installed between the duct and the building exterior.

Exceptions - Duct insulation is not required in the following cases:
- within HVAC equipment
- exhaust-air ducts
- when the design temperature difference between the air in the duct and the surrounding air is 15 degrees F or less

8. Sealing Flexible Ducts

a. In a flexible-duct system, all duct connections must be mechanically fastened and sealed to prevent leakage. Duct mastic is the preferred flexible sealant. Convention duct tape must not be used in a duct system except to seal the joints on access doors.

b. The following locations must be sealed
- all connections (splices, Ys, Ts, and boots)
- supply- and return-air grills must be sealed to the gypsum board or other interior finish
- penetrations into the plenum (supply and/or return) and any structural cavities used for air distribution
- for systems that include an air handler, the air handler and air-handler closet must be sealed
- the air handler connection to the platform must also be sealed

9. Sealing Metal Ducts

a. Transverse seams (seams other than those parallel to the direction of air (flow) of metal ducts designed to operate at static pressures above 1/2 inch above water column must be staled. It is recommended that all longitudinal seams (seams that are parallel to the direction of air flow) also be sealed. Spiral joins do not require sealing.
b. Various exterior-duct sealant materials may be used to seal transverse seams, however, pressure sensitive tape (duct tape) cannot be used as the primary sealant.

10. Water-Heating System Requirements

These requirements apply to service and domestic water heating systems. They do not apply to systems used for comfort heating or to systems designed to meet manufacturing, industrial, or commercial process requirements. The following components are required on water-heating systems.

a. Heat traps are required on noncirculating water-heating systems on both inlet and outlet connections. Heat traps may be purchased or field fabricated by creating a loop or inverted U-shaped arrangement on the inlet and outlet pipes. Heat traps are not required on circulating systems.
b. Pipe insulation is required for all piping in the following categories of piping systems designed for fluids with temperatures of 105 degrees F and greater:
- circulating water-heating systems
- the first 8 feet of outlet piping from any constant-temperature noncirculating storage system
- the inlet piping between the storage tank and a heat trap in a noncirculating storage system
- pipe insulation must meet the following minimum requirements for thickness
  * under 2.5" nominal pipe diameter - 1.0"
  * 2.5" or over nominal pipe diameter - 1.5"
  * run outs to individual terminal units not exceeding 12 ft in length and 2" nominal pipe diameter - 0.5"
- circulating loop controls - automatic time switch controls must be installed to shut down the pump and heat tracer tape (if installed) on circulating water-heating systems during periods of nonuse

PROJECT R-VALUES

Typical Walls:

Outside air film	0.25
Vinyl siding	negl.
5/8" sheathing	.56
5 1/2" batts	21.00
5/8" Gyp. Brd.	0.56
Inside air film	0.77
R-Value	23.14

Double Insulated Glass:
R = 2.00

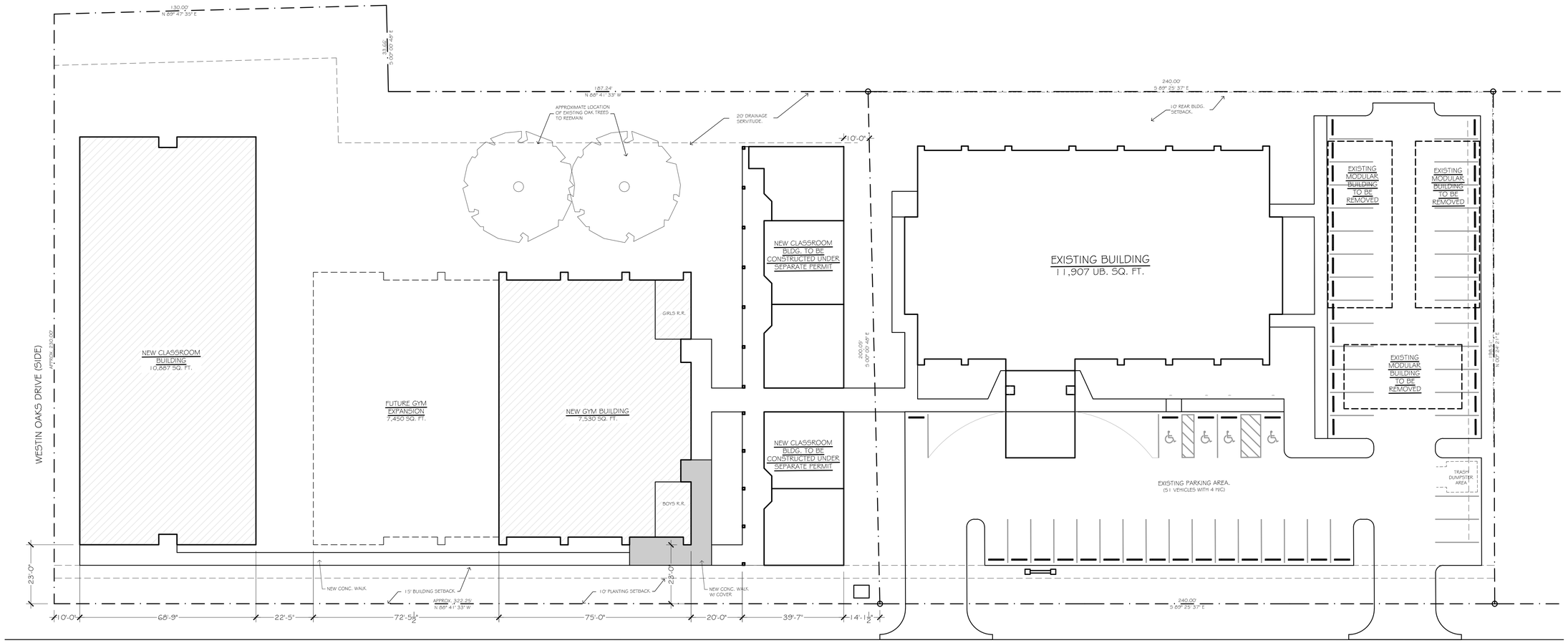
1-3/4" H.M. Doors:
R = 2.13

Glass Doors:
R = 2.00

Piazza Architecture Planning APAC
Mandeville Louisiana

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana



1. SITE PLAN

SCALE: 1" = 20'-0"

NEW SITE AREA = 67, 506 SQ. FT.
TOTAL NEW BUILDING AREA = 18,417 SQ. FT.

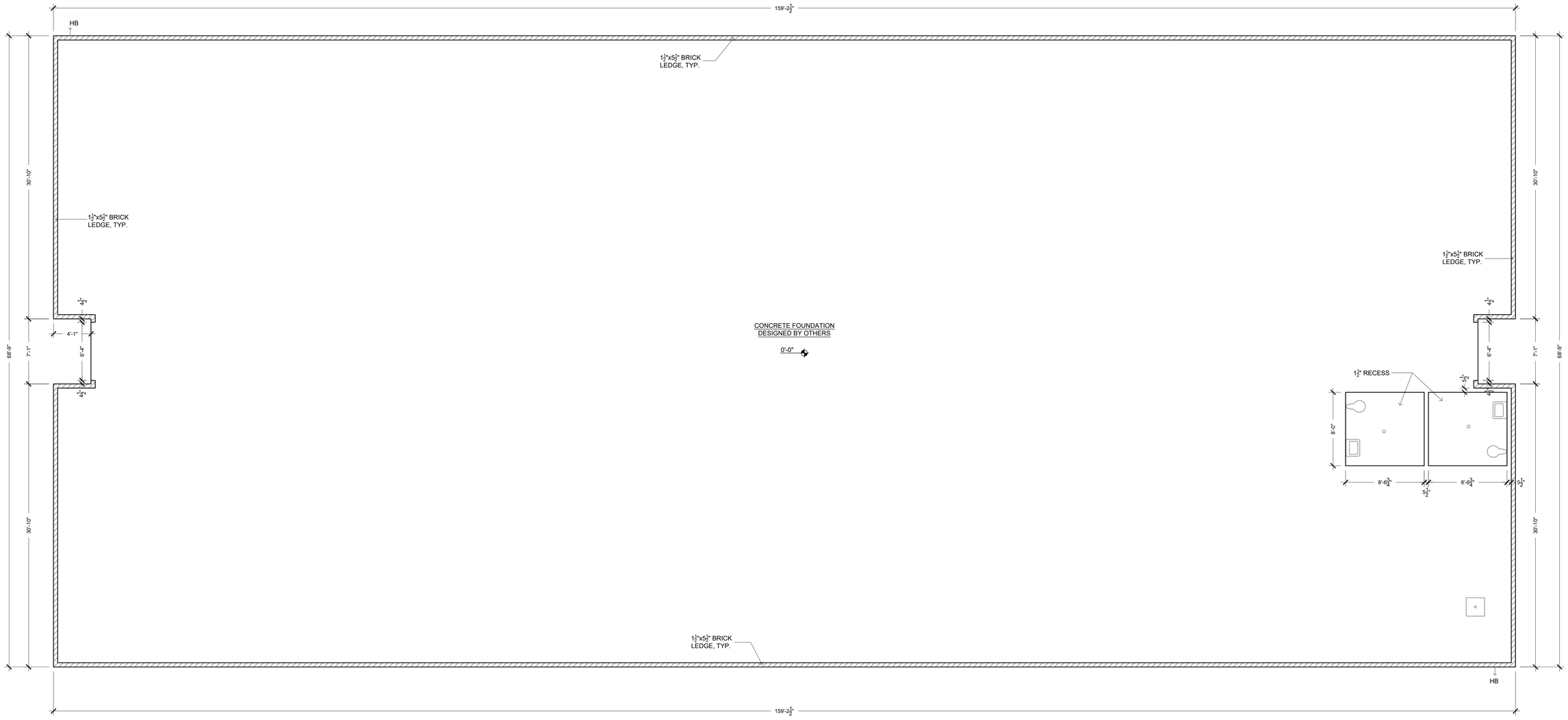
project 5719-E [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana

sheet A02.1 of



1. CLASSROOM FORM SETTING PLAN

SCALE: 3/16" = 1'-0"

project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

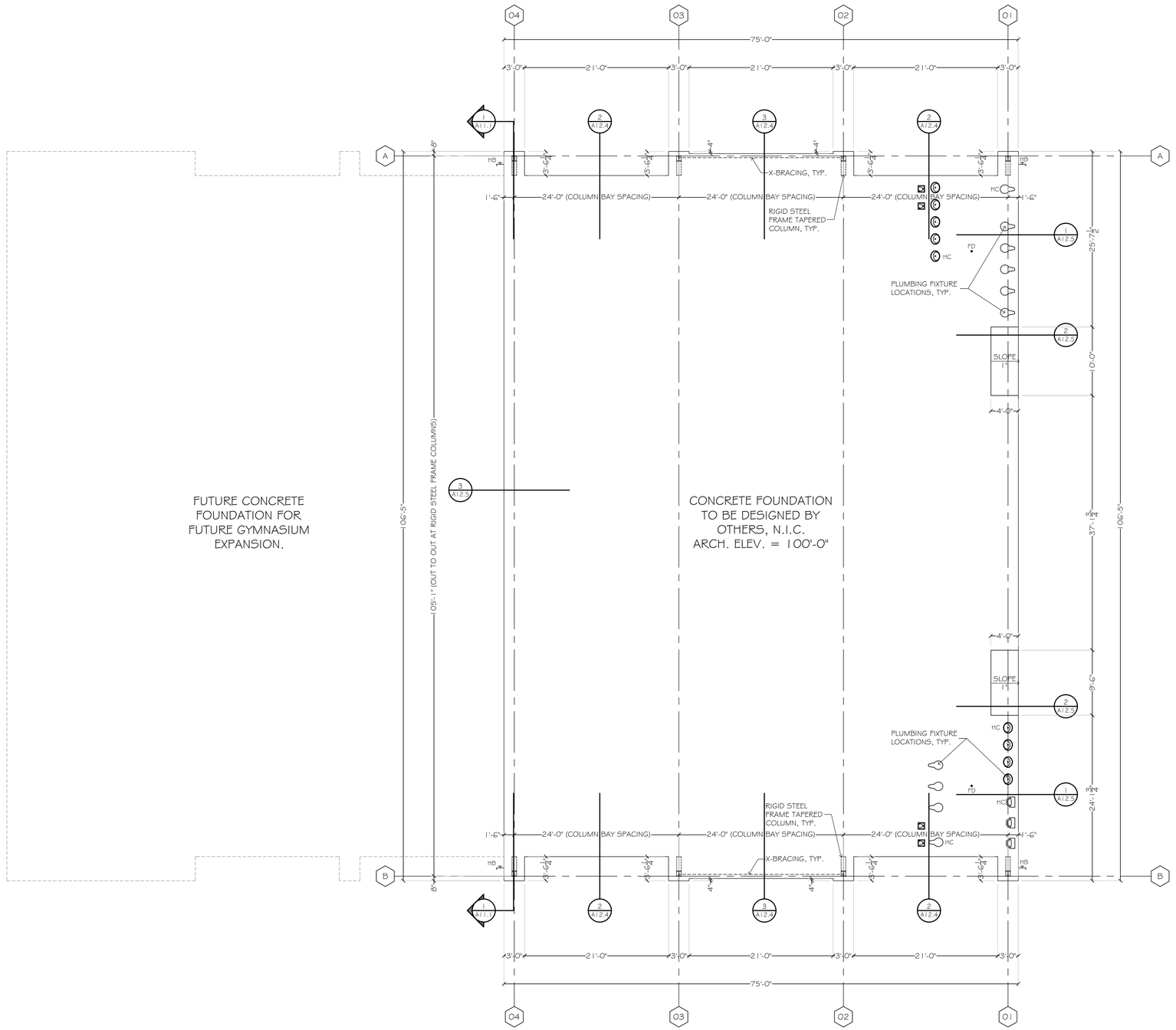
MICHAEL A. PIAZZA
NO. 16334
STATE OF LOUISIANA
REGISTERED ARCHITECT

P.A.P. © 2020

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana

sheet A03.1 of



1. FORM SETTING PLAN - GYM

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

project 5719C
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

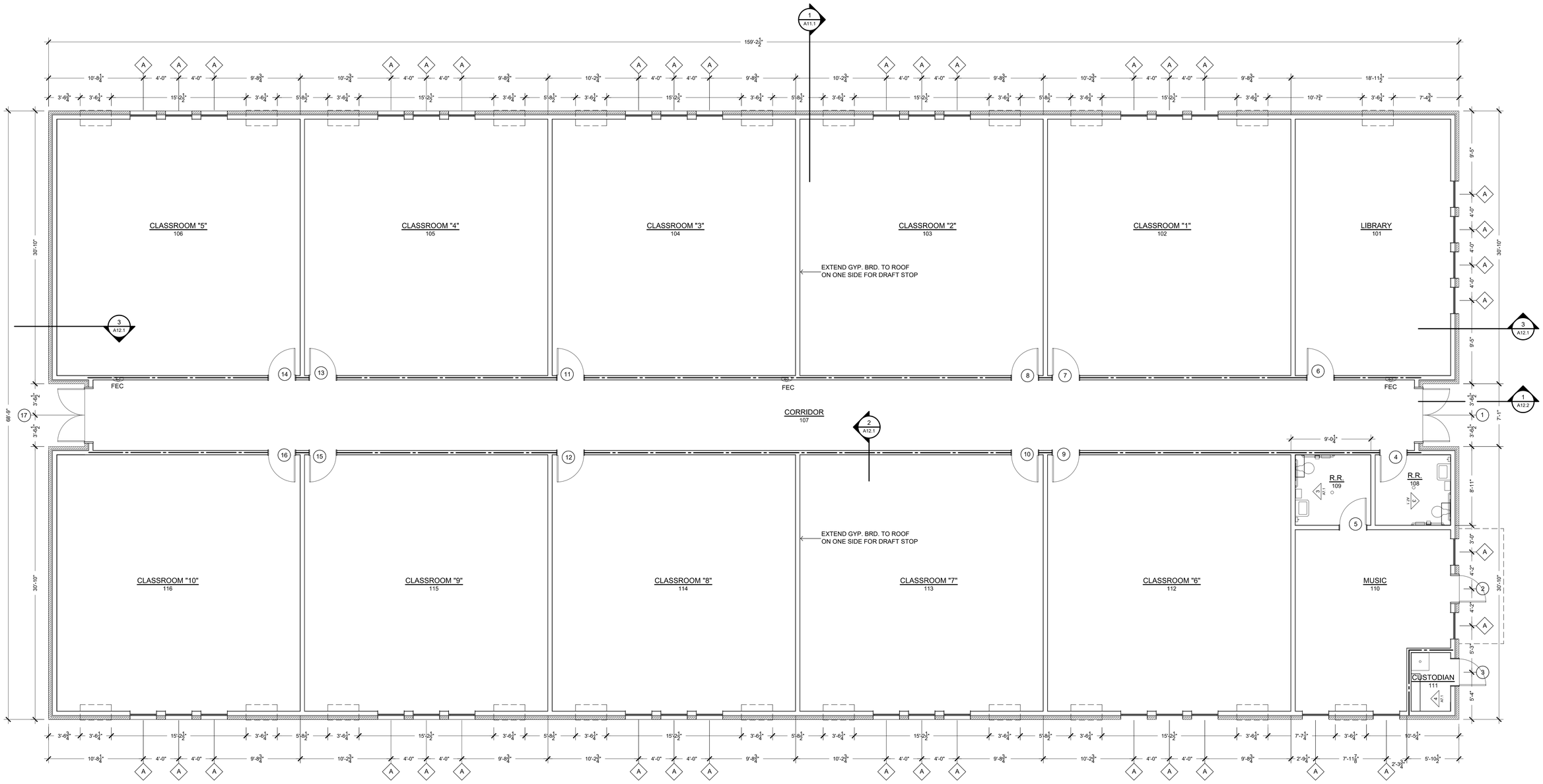
MICHAEL A. PIAZZA
NO. 18314
STATE OF LOUISIANA
REGISTERED ARCHITECT

P.A.P. © 2020

~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

sheet A03.2 of



1. CLASSROOM FLOOR PLAN

SCALE: 3/16" = 1'-0"

SQUARE FOOTAGE:

LIVING	10,887

WALL LEGEND

- 2x6 STUDS @ 16" O.C.
- 1 HR RATED WALL 2x6 STUDS @ 16" O.C.

project 5719-E [redacted]

date 6.18.20

revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18576
STATE OF LOUISIANA
REGISTERED ARCHITECT

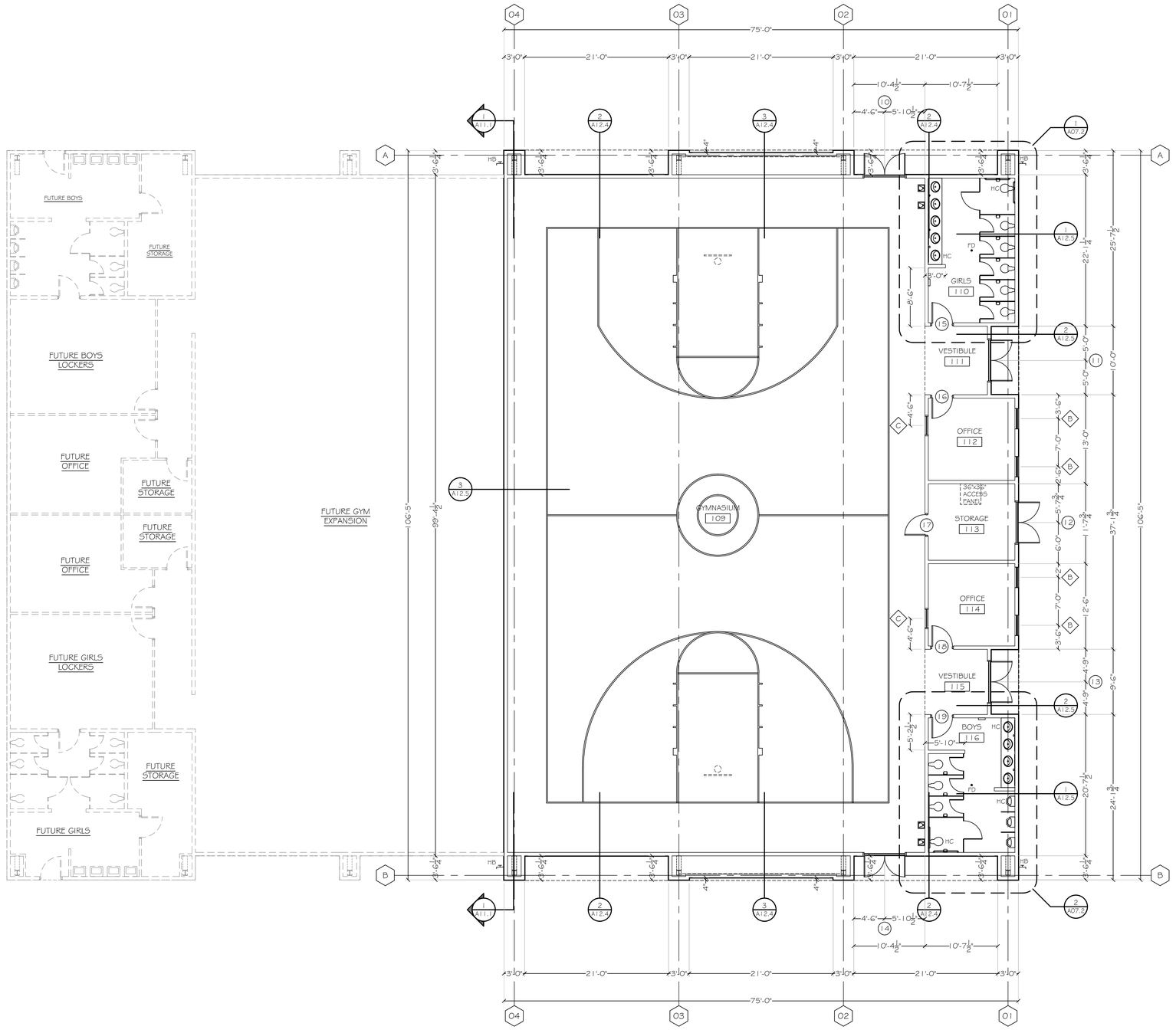
P.A.P. © 2020

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana

sheet A04.1

of



SQUARE FOOTAGE INFORMATION:

ENCLOSED:	7,594 SQ. FT.
COV'D ENTRIES:	78 SQ. FT.
UNDERBEAM:	7,672 SQ. FT.

1. FLOOR PLAN - GYM

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

project 5719C
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18357
STATE OF LOUISIANA
REGISTERED ARCHITECT

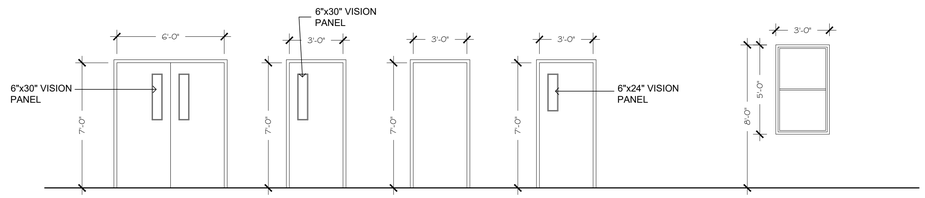
~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

sheet
A04.2
of

1. DOOR SCHEDULE
NONE

MARK	DESCRIPTION	ELEV.	FRAME	GLAZING	RATING	REMARKS	MARK
01	PAIR 3'-0" x 7'-0" x 1-3/4" METAL / GLASS DOOR	4/A5.1	H.M.	SAFETY	0		01
02	3'-0" x 7'-0" x 1-3/4" H.M. DOOR	5/A5.1	H.M.	—	0		02
03	3'-0" x 7'-0" x 1-3/4" H.M. DOOR	6/A5.1	H.M.	—	0		03
04	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	6/A5.1	H.M.	—	20 MIN.		04
05	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	6/A5.1	H.M.	—	0		05
06	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		06
07	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		07
08	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		08
09	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		09
10	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		10
11	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		11
12	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		12
13	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		13
14	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		14
15	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		15
16	3'-0" x 7'-0" x 1-3/4" WOOD DOOR	7/A5.1	H.M.	RATED	20 MIN.		16
17	PAIR 3'-0" x 7'-0" x 1-3/4" METAL / GLASS DOOR	4/A5.1	H.M.	SAFETY	0		17



4. 5. 6. 7. 8.

2. WINDOW SCHEDULE
NONE

MARK	DESCRIPTION	ELEV.	FRAME	GLAZING	REMARKS	MARK
A	3-0" x 5'-0" SINGLE HUNG, DOUBLE INSULATED VINYL WINDOW	8/A5.1	VINYL	DBL. INSUL., TINTED, LOW-E	PROVIDE INTERIOR WOOD TRIM AND SILL	A

3. ROOM FINISH SCHEDULE
NONE

RM. NO.	ROOM NAME	FLOORING			BASE			WALLS			CEILING		CLG. HGT.	REMARKS	RM. NO.
		1 VINYL TILE	2 CERAMIC TILE	3 SEALED CONCRETE	1 VINYL	2 CERAMIC TILE	3 NONE	1 GYPSUM BOARD, PAINTED	2 CERAMIC TILE WAINSCOAT	3 FRP	1 ACOUSTIC TILE	2 GYPSUM BOARD, PAINTED			
101	LIBRARY	1			1			1			1		9'-0"		101
102	CLASSROOM 1	1			1			1			1		9'-0"		102
103	CLASSROOM 2	1			1			1			1		9'-0"		103
104	CLASSROOM 3	1			1			1			1		9'-0"		104
105	CLASSROOM 4	1			1			1			1		9'-0"		105
106	CLASSROOM 5	1			1			1			1		9'-0"		106
107	CORRIDOR	1			1			1			1		9'-0"		107
108	R.R.		2			2		1	2			2	8'-0"		108
109	R.R.		2			2		1	2			2	8'-0"		109
110	MUSIC	1			1			1			1		9'-0"		110
111	CUSTODIAN			3			3	1		3		2	8'-0"		111
112	CLASSROOM 6	1			1			1			1		9'-0"		112
113	CLASSROOM 7	1			1			1			1		9'-0"		113
114	CLASSROOM 8	1			1			1			1		9'-0"		114
115	CLASSROOM 9	1			1			1			1		9'-0"		115
116	CLASSROOM 10	1			1			1			1		9'-0"		116

project 5719-E [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18554
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet A05.1 of

1. DOOR SCHEDULE - GYM
SCALE: NONE

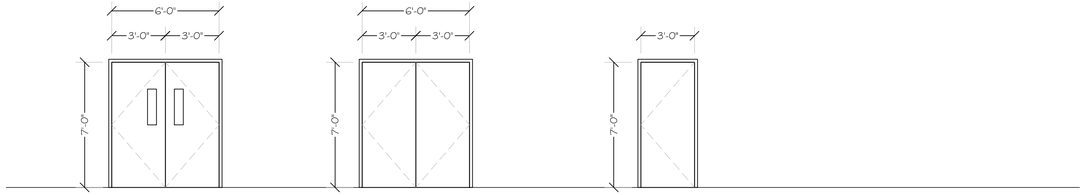
MARK	DESCRIPTION	ELEV.	FRAME	GLAZING	RATING	REMARKS	MARK
10	2 - 3'-0" x 7'-0" x 1-3/4" METAL DOOR with VISION PANEL	4/A5.2	HLW, MTL.	SAFETY	0	WITH PANIC HARDWARE AND CLOSERS	10
11	2 - 3'-0" x 7'-0" x 1-3/4" METAL DOOR with VISION PANEL	4/A5.2	HLW, MTL.	SAFETY	0	WITH PANIC HARDWARE AND CLOSERS	11
12	2 - 3'-0" x 7'-0" x 1-3/4" METAL DOOR	5/A5.2	HLW, MTL.	----	0		12
13	2 - 3'-0" x 7'-0" x 1-3/4" METAL DOOR with VISION PANEL	4/A5.2	HLW, MTL.	SAFETY	0	WITH PANIC HARDWARE AND CLOSERS	13
14	2 - 3'-0" x 7'-0" x 1-3/4" METAL DOOR with VISION PANEL	4/A5.2	HLW, MTL.	SAFETY	0	WITH PANIC HARDWARE AND CLOSERS	14
15	3'-0" x 7'-0" x 1-3/4" SOLID CORE WOOD DOOR	6/A5.2	HLW, MTL.	----	0		15
16	3'-0" x 7'-0" x 1-3/4" SOLID CORE WOOD DOOR	6/A5.2	HLW, MTL.	----	0		16
17	3'-0" x 7'-0" x 1-3/4" SOLID CORE WOOD DOOR	6/A5.2	HLW, MTL.	----	0		17
18	3'-0" x 7'-0" x 1-3/4" SOLID CORE WOOD DOOR	6/A5.2	HLW, MTL.	----	0		18
19	3'-0" x 7'-0" x 1-3/4" SOLID CORE WOOD DOOR	6/A5.2	HLW, MTL.	----	0		19

2. WINDOW SCHEDULE
SCALE: NONE

MARK	DESCRIPTION	ELEV.	FRAME	GLAZING	REMARKS	MARK
B	3-0" x 4'-0" SINGLE HUNG, DOUBLE INSULATED VINYL WINDOW	7/A5.2	VINYL	DBL. INSUL., TINTED, LOW-E	PROVIDE INTERIOR WOOD TRIM AND SILL	B
C	3-0" x 4'-0" FIXED GLASS	8/A5.2	HLW, MTL.	WIRE GLASS		C
D	6-0" x 2'-0" FIXED GLASS	9/A5.2	VINYL	DBL. INSUL., TINTED, LOW-E	AT UPPER GYMNASIUM	D

3. ROOM FINISH SCHEDULE
SCALE: NONE

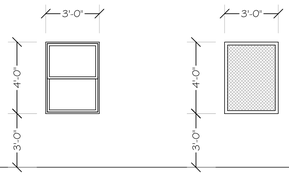
RM. NO.	ROOM NAME	FLOORING				BASE				WALLS				CEILING				CLG. HGT.	REMARKS	RM. NO.
		GYMNASIUM SPORTS FLOOR	VINYL COMPOSITE TILE	CERAMIC TILE	PLYWOOD DECKING	VINYL	CERAMIC TILE	NONE		GYPSUM BOARD, PAINTED	CERAMIC TILE WAINSCOAT	EXPOSED FRAMING		EXPOSED STRUCTURE ABOVE	GYPSUM BOARD, PAINTED	EXPOSED FRAMING				
		1	2	3	4	1	2	3		1	2	3		1	2	3				
109	GYMNASIUM	1				1				1				1				VARIES		109
110	GIRL'S TOILET ROOM			3			2			1					2			10'-0"		110
111	VESTIBULE		2			1				1					2			10'-0"		111
112	OFFICE		2			1				1					2			10'-0"		112
113	STORAGE		2			1				1					2			10'-0"		113
114	OFFICE		2			1				1					2			10'-0"		114
115	VESTIBULE		2			1				1					2			10'-0"		115
116	BOY'S TOILET ROOM			3			2			1	2				2			10'-0"		116
200	MECHANICAL PLATFORM				4			3				3				3		VARIES		200



4.

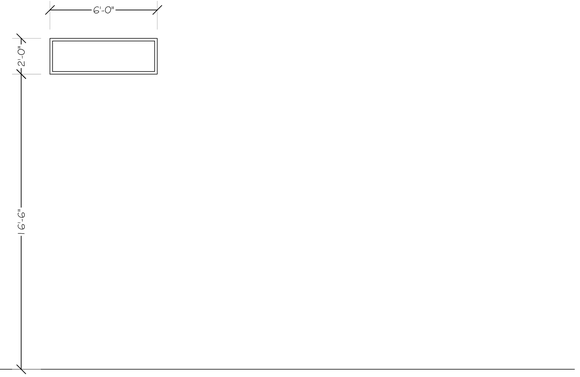
5.

6.



7.

8.



9.

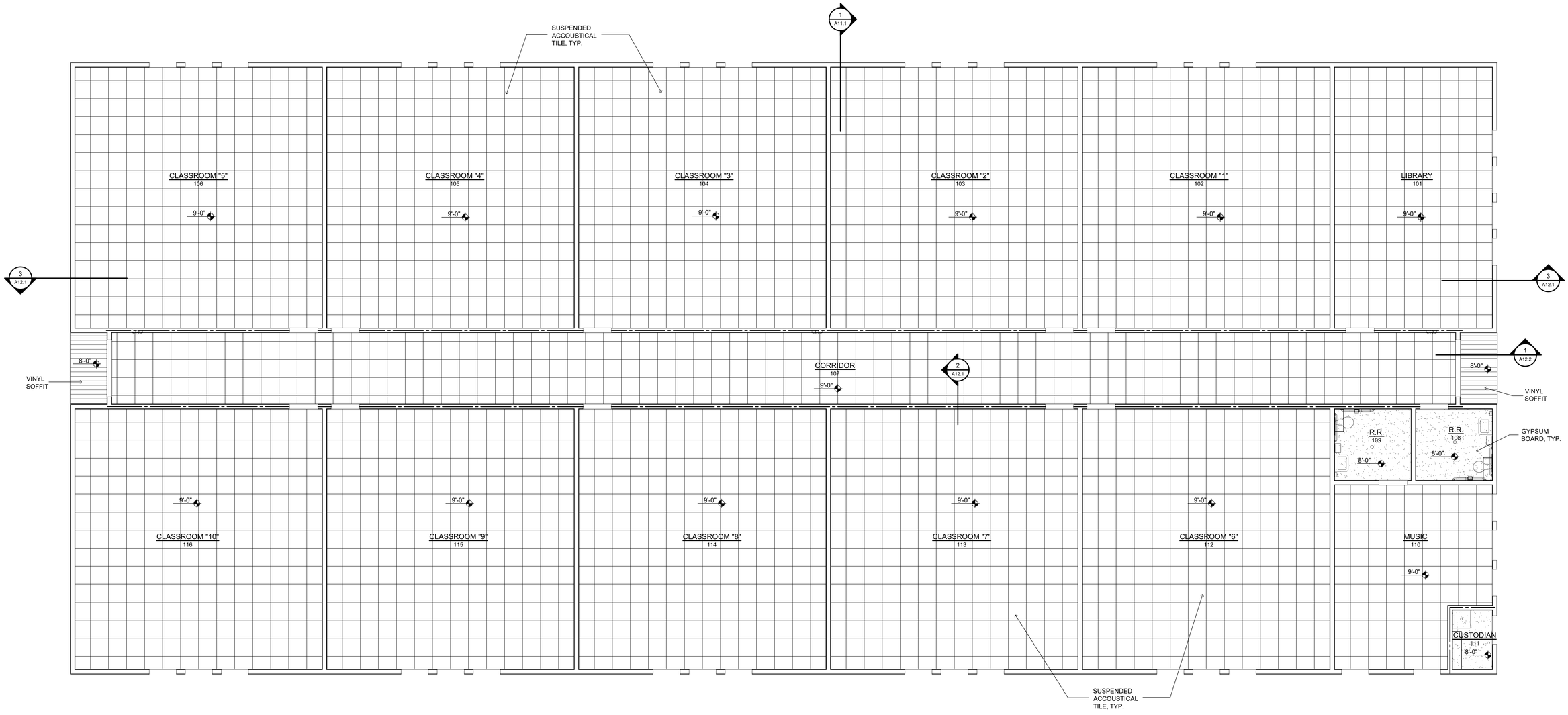
project 5719C
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18,937
STATE OF LOUISIANA
REGISTERED ARCHITECT

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet A05.2 of



1. CLASSROOM REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

project 5719-E
date 6.18.20
revisions

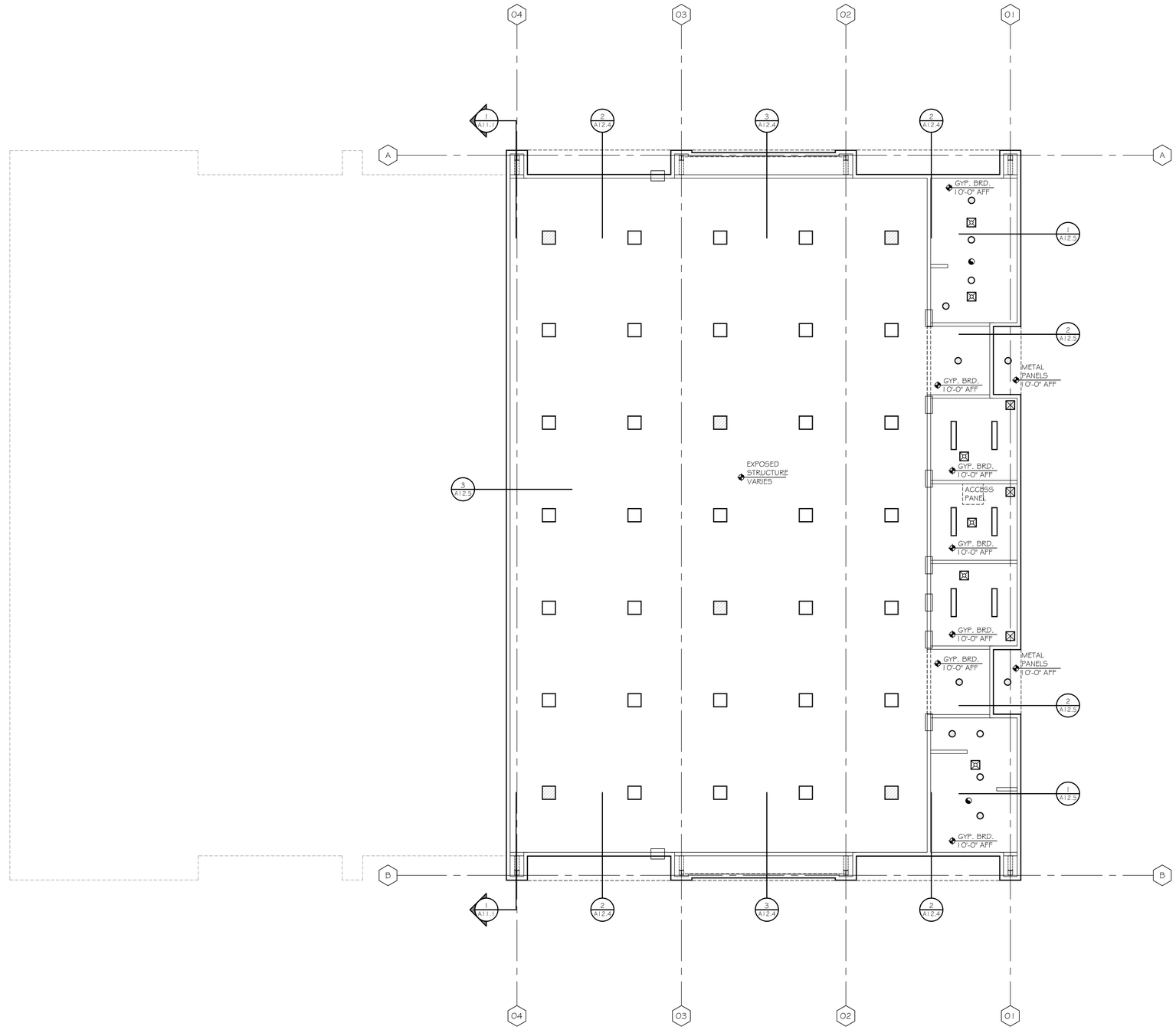
Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA NO. 18837 STATE OF LOUISIANA REGISTERED ARCHITECT

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana

sheet A06.1 of



2. CEILING LEGEND
SCALE: NONE

- F3 — RECESSED LED "DOWN" LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F3E — RECESSED LED "DOWN" LIGHT FIXTURE, ON EMERGENCY CIRCUIT, REFER TO FIXTURE SCHEDULE.
- F6 — SURFACE MOUNTED LED LINEAR LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F10 — HI-BAY LED LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F10E — HI-BAY LED LIGHT FIXTURE, ON EMERGENCY CIRCUIT, REFER TO FIXTURE SCHEDULE.
- R — RETURN AIR GRILL, TO BE SIZED AND SELECTED BY HVAC SUB-CONTRACTOR.
- S — SUPPLY AIR GRILL, WITH CFM NOTED, TO BE SIZED AND SELECTED BY HVAC SUB-CONTRACTOR.

1. REFLECTED CEILING PLAN - GYM
SCALE: 1/8" = 1'-0"

project 5719C
date 6.18.20
revisions

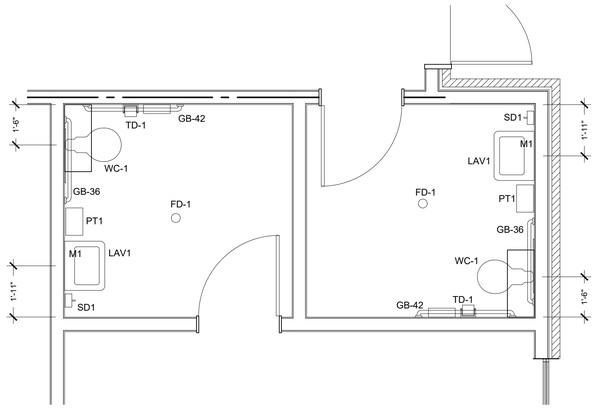
[redacted]

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18378
STATE OF LOUISIANA
REGISTERED ARCHITECT

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
A06.2
of

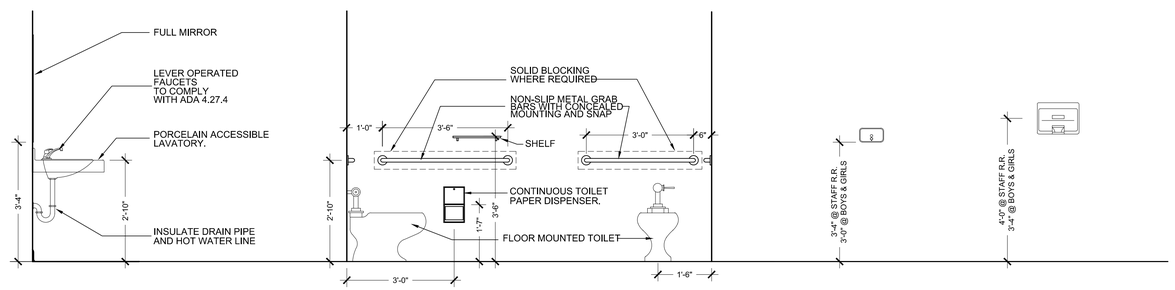


1. REST ROOMS
SCALE: 3/8" = 1'-0"

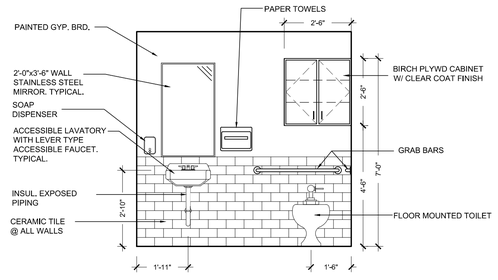
PLUMBING FIXTURE LEGEND:

FD-1, FLOOR DRAIN
WC-1, PORCELAIN FLOOR MOUNTED ACCESSIBLE TOILET
TD-1, TOILET PAPER DISPENSER, BOBRICK B-723 OR APPROVED EQUAL
GB-36, STAINLESS STEEL 36" GRAB BAR, BOBRICK B-6806 OR APPROVED EQUAL
GB-42, STAINLESS STEEL 42" GRAB BAR, BOBRICK B-6806 OR APPROVED EQUAL
M1, 24"x36" STAINLESS STEEL MIRROR
PT1, PAPER TOWEL DISPENSER
SD1, SOAP DISPENSER
SF1, STAINLESS STEEL SHELF, BOBRICK B-265x16, 16"x5" SHELF
LAV1, PORCELAIN WALL MOUNTED ACCESSIBLE LAVATORY

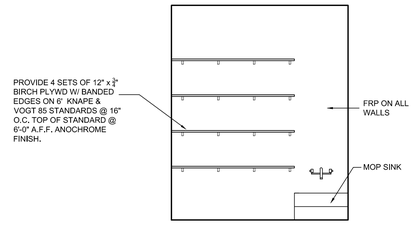
NOTE:
PROVIDE SOLID 2X BLOCKING IN WALLS FOR ATTACHMENT OF GRAB BARS, AS REQUIRED BY MANUFACTURER. NOTIFY ARCHITECT FOR BLOCKING INSPECTION PRIOR TO INSTALLATION OF WALL FINISHES.



2. ACCESSIBLE DETAILS
SCALE: 1/2" = 1'-0"



3. RESTROOM ELEVATION
SCALE: 3/8" = 1'-0"



4. CUSTODIAN ELEVATION
SCALE: 3/8" = 1'-0"

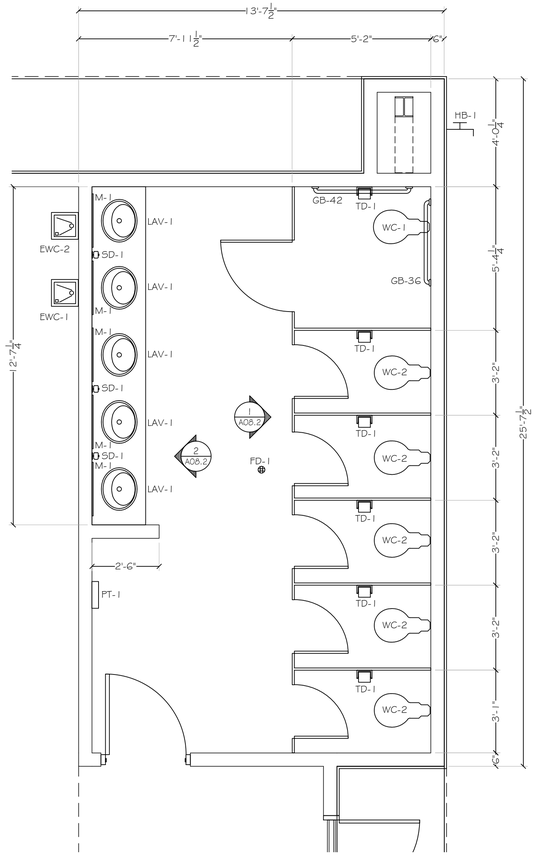
project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

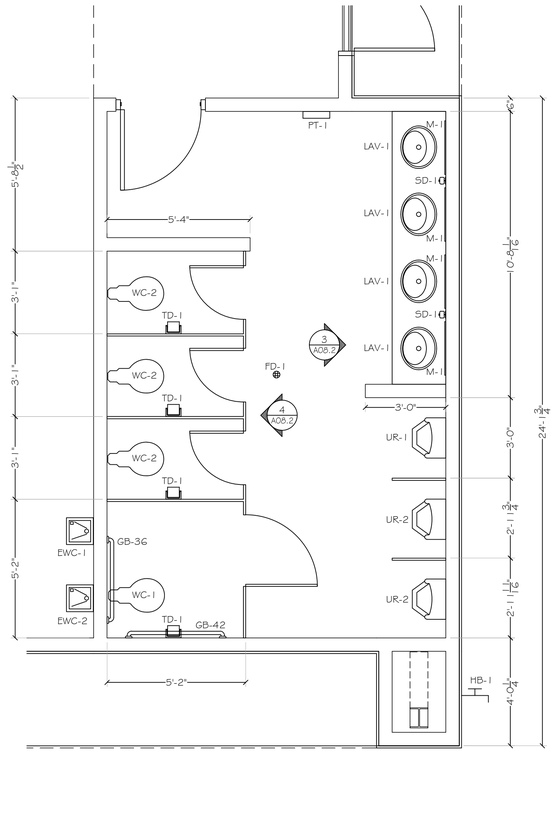
MICHAEL A. PIAZZA
NO. 18377
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

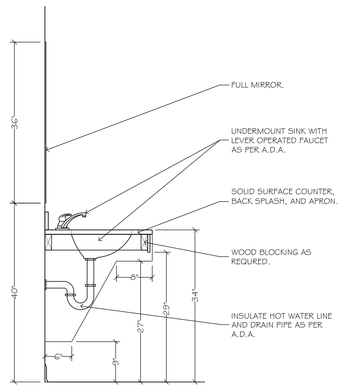
sheet
A07.1
of



1. ENLARGED GIRL'S ROOM #110 - GYM
SCALE: 3/8" = 1'-0"

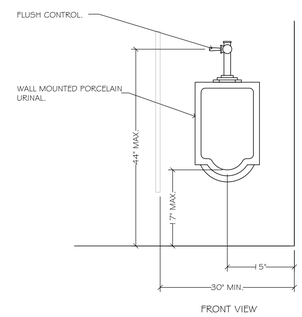


2. ENLARGED BOY'S ROOM #116 - GYM
SCALE: 3/8" = 1'-0"



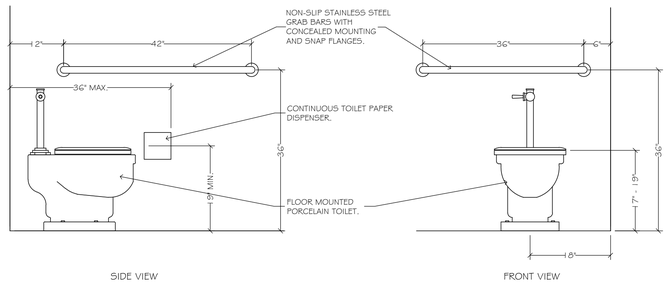
SIDE VIEW

3. ACCESS. LAVATORY
SCALE: 3/4" = 1'-0"



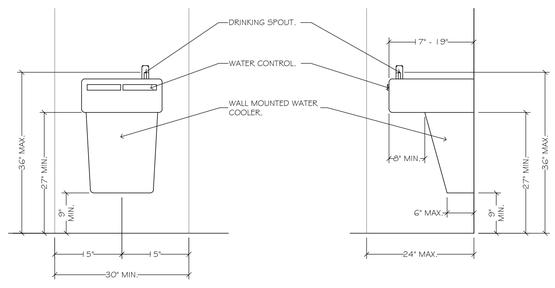
FRONT VIEW

4. ACCESS. URINAL
SCALE: 3/4" = 1'-0"



SIDE VIEW FRONT VIEW

5. ACCESS. TOILET
SCALE: 3/4" = 1'-0"



FRONT VIEW SIDE VIEW

6. ACCESS. FOUNTAIN
SCALE: 3/4" = 1'-0"

PLUMBING FIXTURE LEGEND:

EWC-1,	ELECTRIC "ACCESSIBLE" WATER FOUNTAIN, TO BE SELECTED.
EWC-2,	ELECTRIC WATER FOUNTAIN, TO BE SELECTED.
FD-1,	FLOOR DRAIN TO BE SIZED BY ENGINEER, TRIM RING TO BE SELECTED.
GB-36,	STAINLESS STEEL 36" GRAB BAR, BOBRICK B-6806
GB-42,	STAINLESS STEEL 42" GRAB BAR, BOBRICK B-6806
HB-1,	FROST PROOF HOSE BIBB WITH ANTI-BACKFLOW DEVICE, TO BE SELECTED.
LAV-1,	UNDERMOUNT "ACCESSIBLE" LAVATORY WITH "ACCESSIBLE" FAUCET, TO BE SELECTED.
M-1,	24" x 36" METAL FRAMED GLASS MIRROR, TO BE SELECTED.
PT-1,	STAINLESS STEEL WALL MOUNTED PAPER TOWEL DISPENSER, BOBRICK B-262.
SD-1,	WALL MOUNTED "ACCESSIBLE" SOAP DISPENSER, TO BE SELECTED.
TD-1,	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER, BOBRICK B-2888
UR-1,	PORCELAIN WALL MOUNTED "ACCESSIBLE" URINAL, TO BE SELECTED.
UR-2,	PORCELAIN WALL MOUNTED URINAL, TO BE SELECTED.
WC-1,	PORCELAIN FLOOR MOUNTED "ACCESSIBLE" TOILET, TO BE SELECTED.
WC-2,	PORCELAIN FLOOR MOUNTED TOILET, TO BE SELECTED.
WH-1,	ELECTRIC WATER HEATER, MOUNTED IN EQUIPMENT MEZZANINE, TO BE SELECTED.

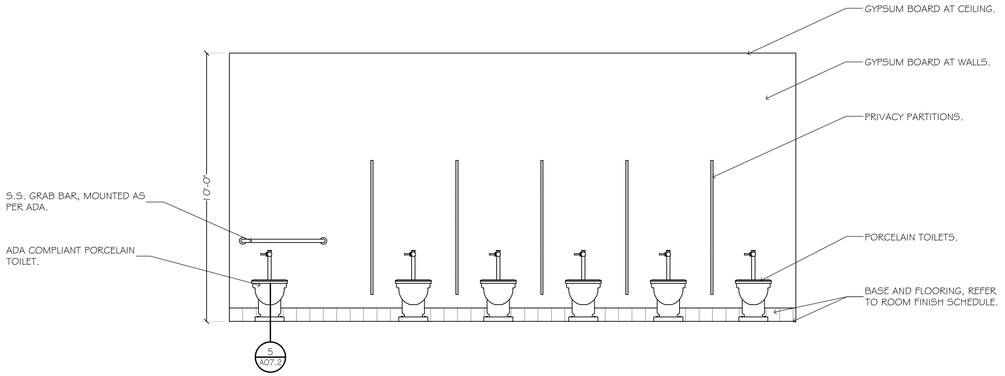
project 5719C
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

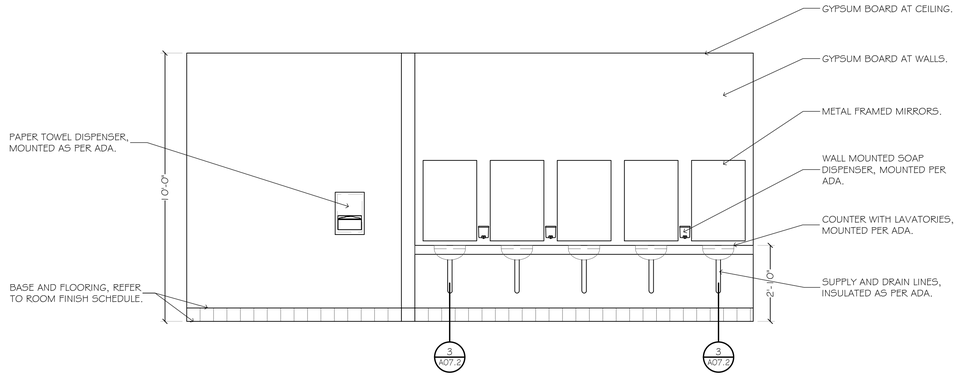
MICHAEL A. PIAZZA NO. 7838 STATE OF LOUISIANA REGISTERED ARCHITECT

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

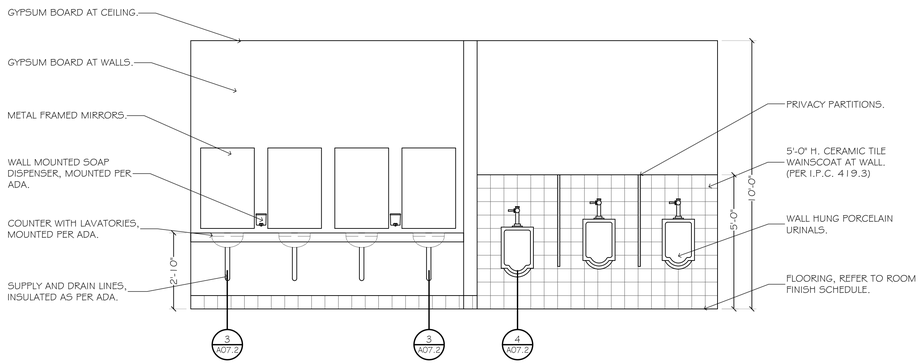
sheet A07.2 of



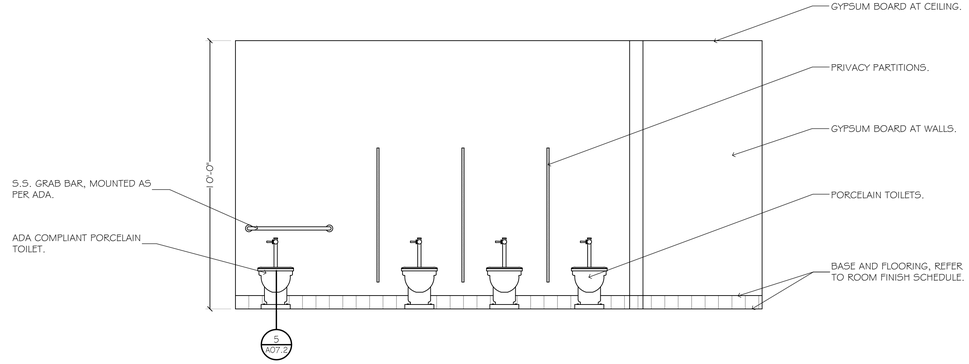
1. GIRL'S ROOM #110 ELEVATION - GYM
SCALE: 3/8" = 1'-0"



2. GIRL'S ROOM #110 ELEVATION - GYM
SCALE: 3/8" = 1'-0"



3. BOY'S ROOM #116 ELEVATION - GYM
SCALE: 3/8" = 1'-0"



4. BOY'S ROOM #116 ELEVATION - GYM
SCALE: 3/8" = 1'-0"

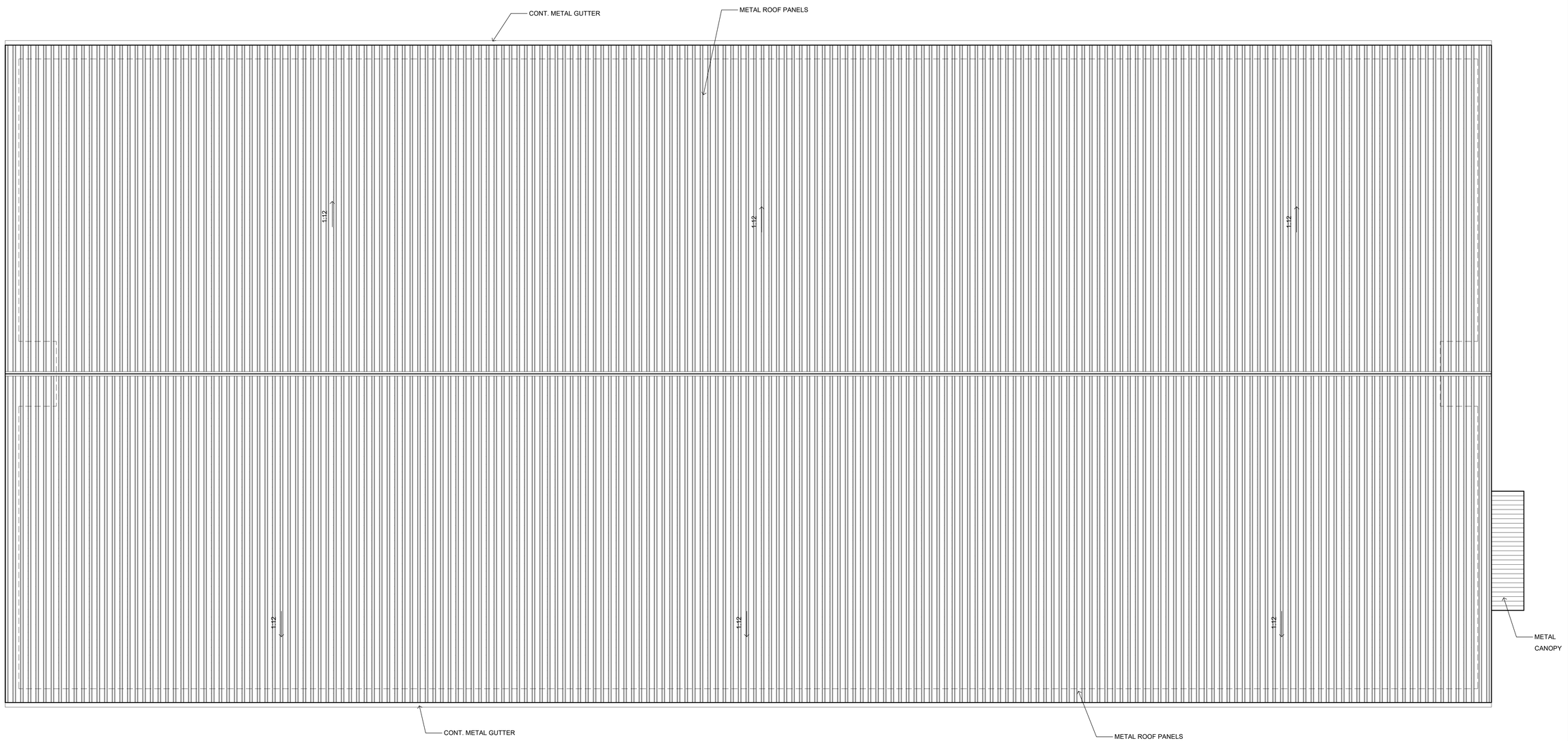
project 5719C
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
No. 19835
STATE OF LOUISIANA
REGISTERED ARCHITECT

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
A08.1
of



1. CLASSROOM ROOF PLAN

SCALE: 3/16" = 1'-0"

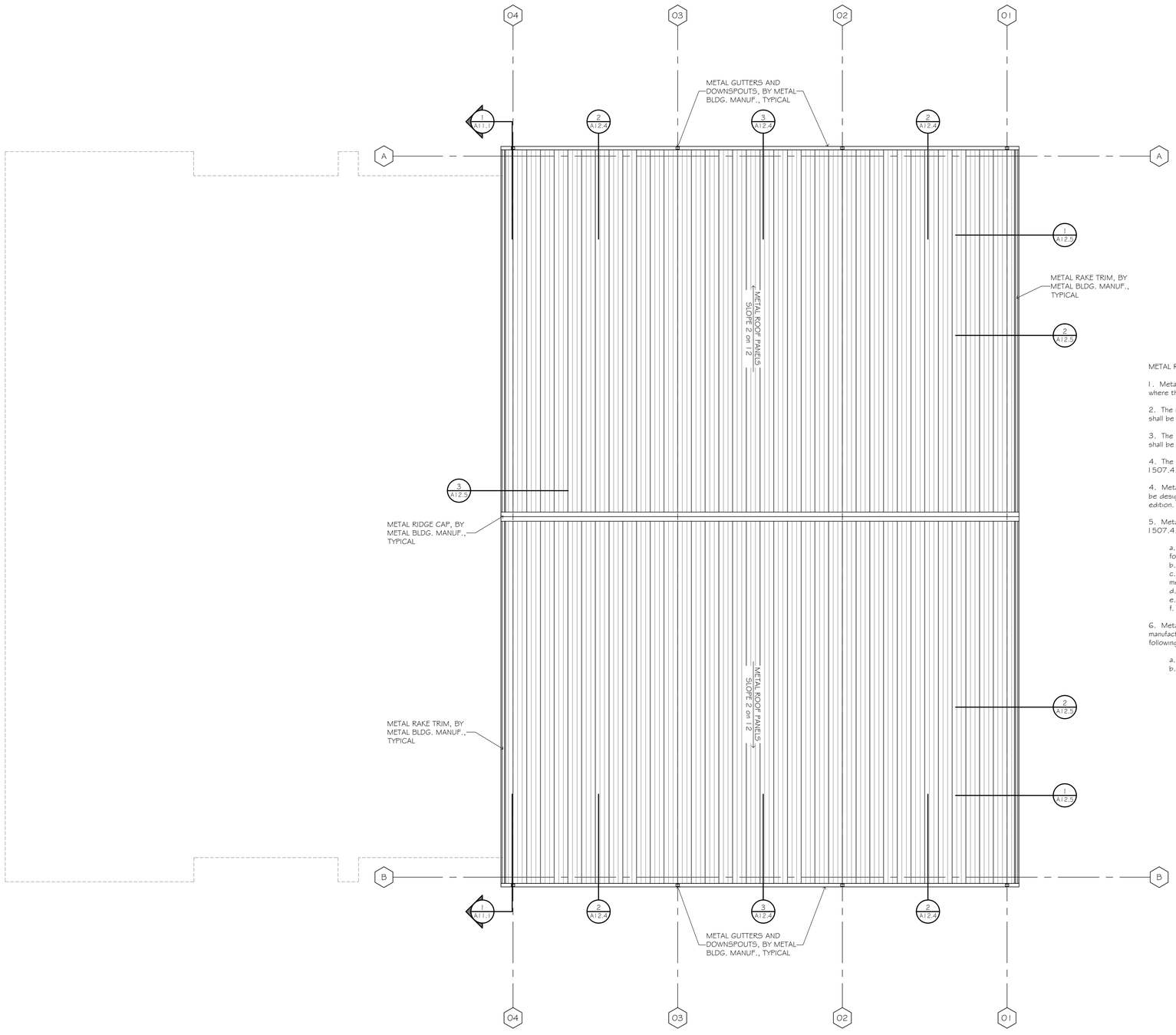
project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18276
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet
A09.1
of



1. ROOF PLAN - GYM

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

METAL ROOF PANEL NOTES:

1. Metal roof panel coverings shall be applied to a solid or closely fitted deck, except where the roof covering is specifically designed to be applied to spaced supports.

2. The minimum slope for lapped, non-soldered metal seam roofs without applied lap sealant shall be 3:12, per IBC 1507.4.2(1).

3. The minimum slope for lapped, non-soldered seam metal roofs with applied lap sealant shall be 1/2:12, per IBC 1507.4.2(2).

4. The minimum slope for standing seam of roof systems shall be 1/4:12, per IBC 1507.4.2(3).

4. Metal sheet roof covering systems that incorporate supporting structural members shall be designed in accordance with Chapter 22, Steel, of the International Building Code, 2015 edition.

5. Metal sheet roof covering installed over structural decking shall comply with table 1507.4.3(1) of the International Building Code, 2015 edition.

   a. Aluminum: ASTM B 209, 0.024" minimum for roll-formed panels; 0.019" minimum for press-formed shingles
   b. Aluminum-zinc Alloy: ASTM A 792 AZ 50
   c. Copper: 16 oz/s.f. for metal sheet roof covering system; 12 oz/s.f. for preformed metal shingle systems.
   d. Galvanized Steel: ASTM A 653 G-90 zinc coated, 0.013" minimum thickness
   e. Lead-coated Copper: ASTM B 101
   f. Pre-painted Steel: ASTM A 755

6. Metal roofing fastened directly to steel framing shall be attached by approved manufacturers fasteners. In the absence of manufacturer recommendations, all of the following fasteners shall be used.

   a. Galvanized fasteners shall be used for galvanized roofs
   b. 300 series stainless steel fasteners shall be used for copper roofs.

project 5719C
date 6.18.20
revisions

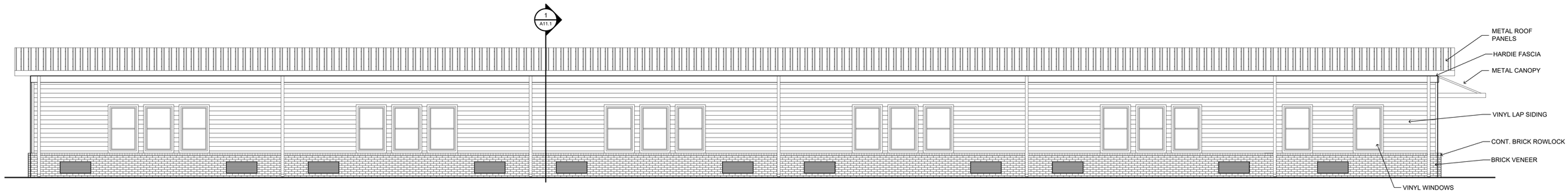
Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
No. 18356
STATE OF LOUISIANA
REGISTERED ARCHITECT

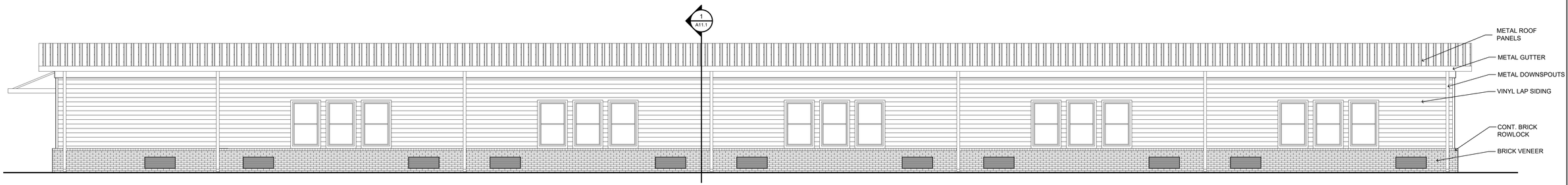
~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

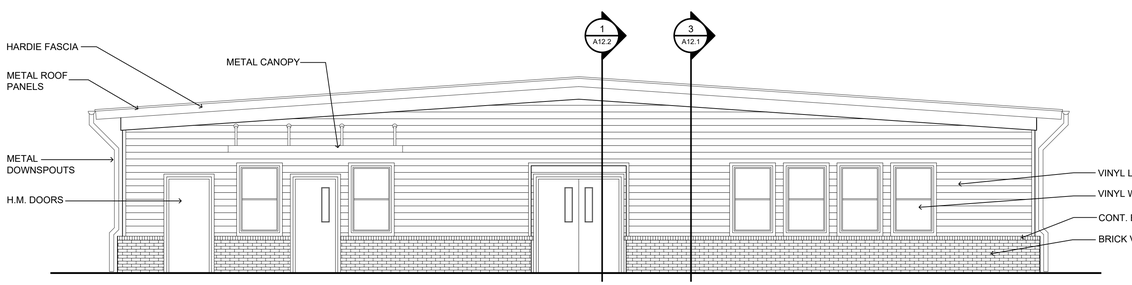
sheet
A09.2
of



1. LEFT ELEVATION
SCALE: 3/16" = 1'-0"



2. RIGHT ELEVATION
SCALE: 3/16" = 1'-0"



3. FRONT ELEVATION
SCALE: 3/16" = 1'-0"

4. REAR ELEVATION
SCALE: 3/16" = 1'-0"

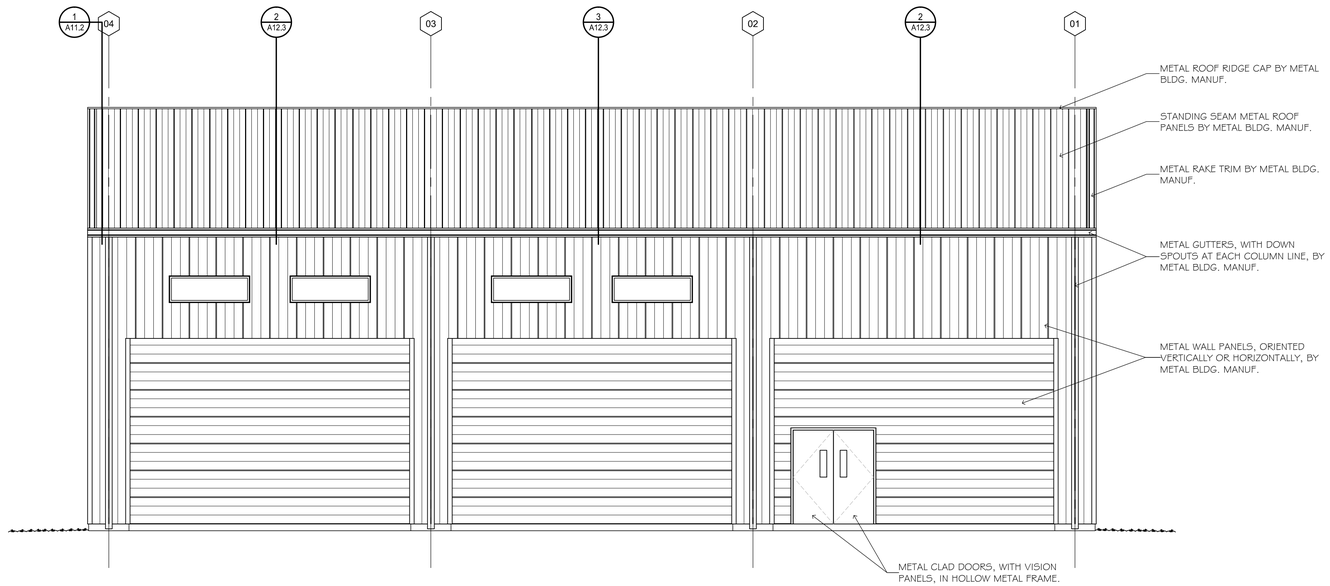
project 5719-E [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

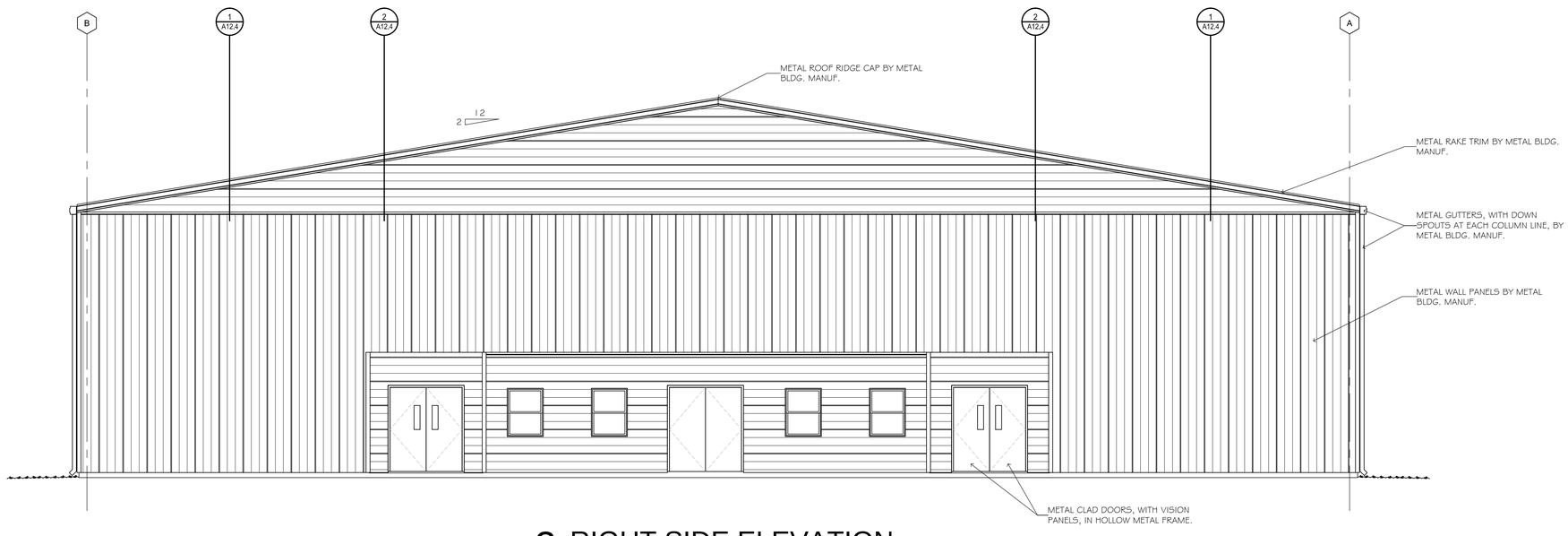
MICHAEL A. PIAZZA
NO. 18937
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet A10.1
of



1. FRONT ELEVATION
SCALE: 3/16" = 1'-0"



2. RIGHT SIDE ELEVATION
SCALE: 3/16" = 1'-0"

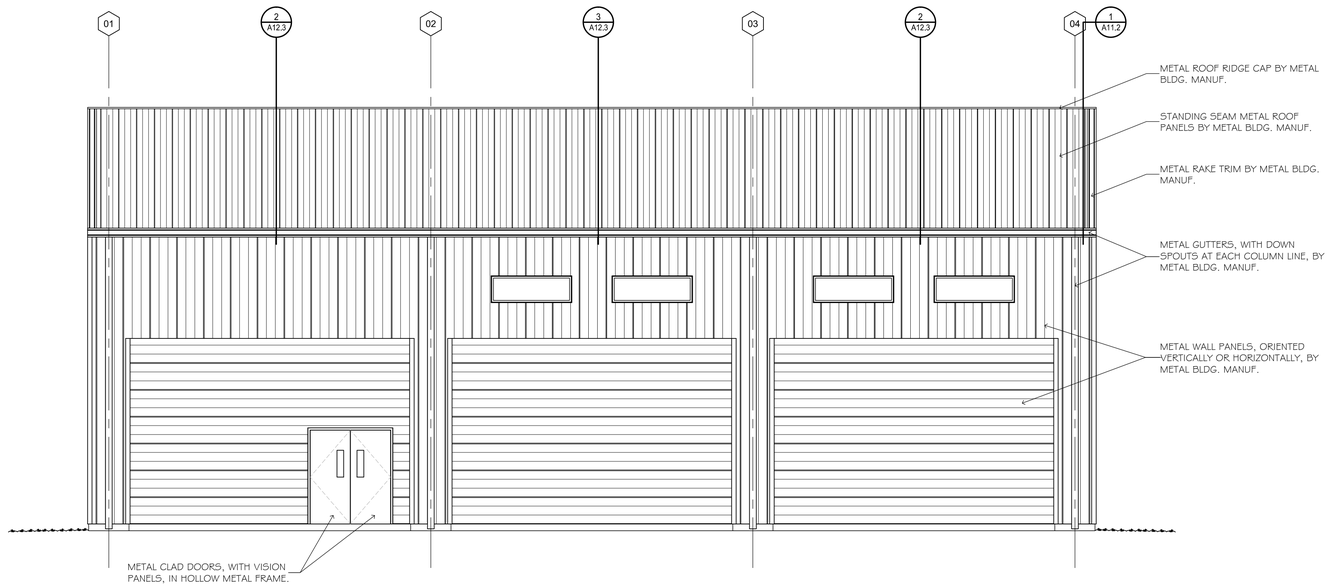
project 5719C [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

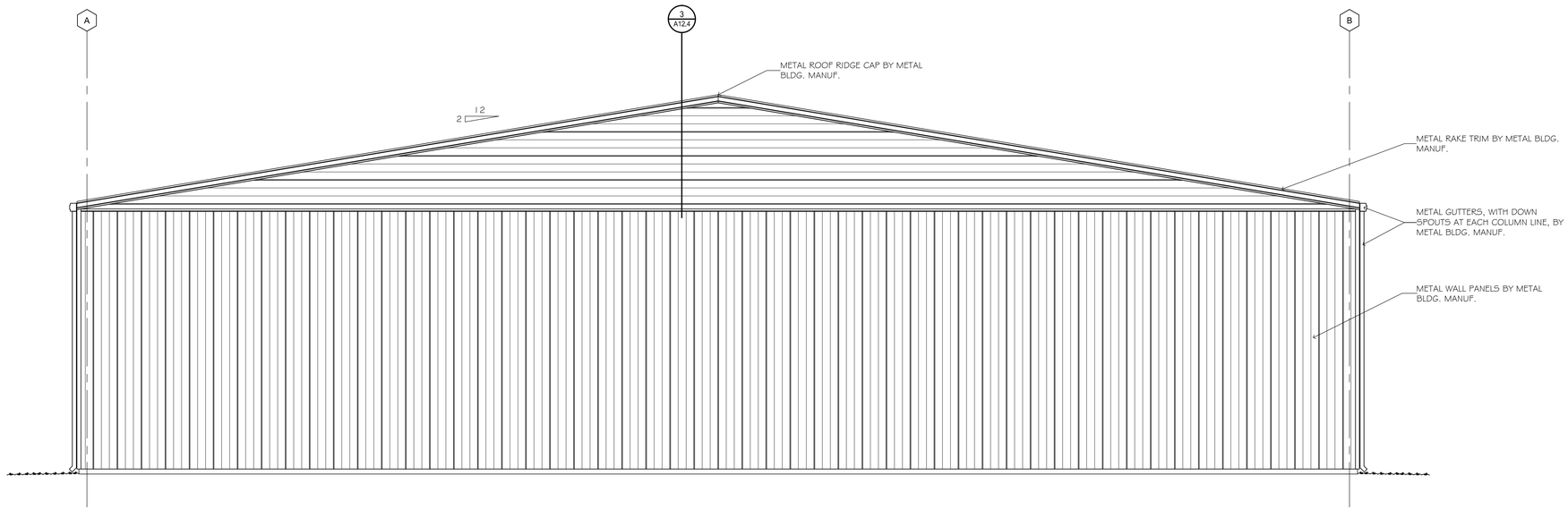
MICHAEL A. PIAZZA NO. 18695 REGISTERED ARCHITECT STATE OF LOUISIANA

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
A10.2
of



1. REAR ELEVATION
SCALE: 3/16" = 1'-0"



2. LEFT SIDE ELEVATION
SCALE: 3/16" = 1'-0"

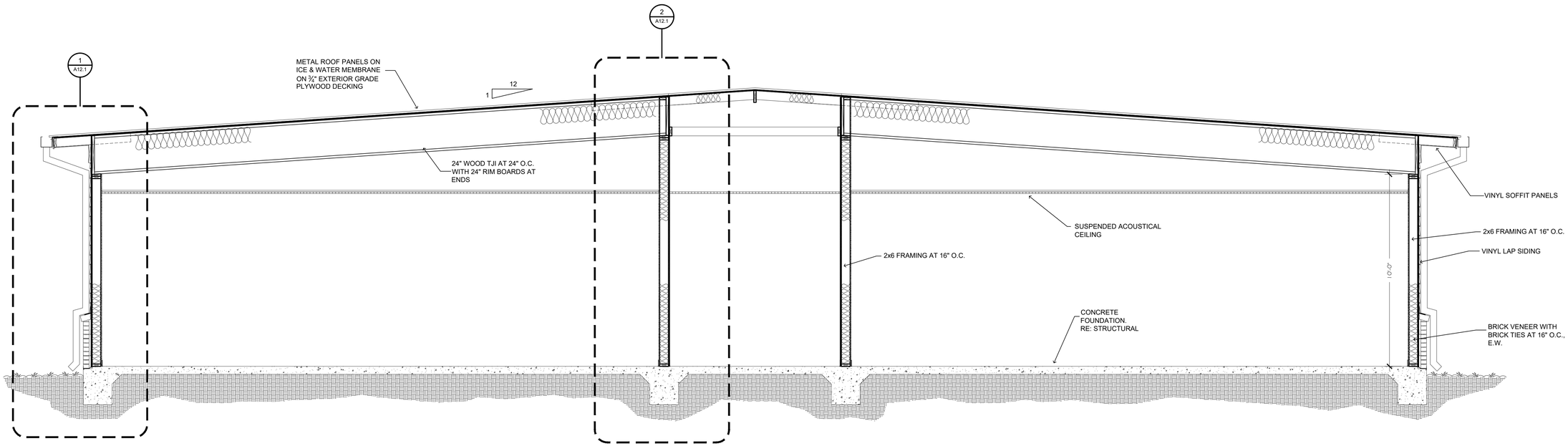
project 5719C [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA NO. 18695 STATE OF LOUISIANA REGISTERED ARCHITECT

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
A10.3
of



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

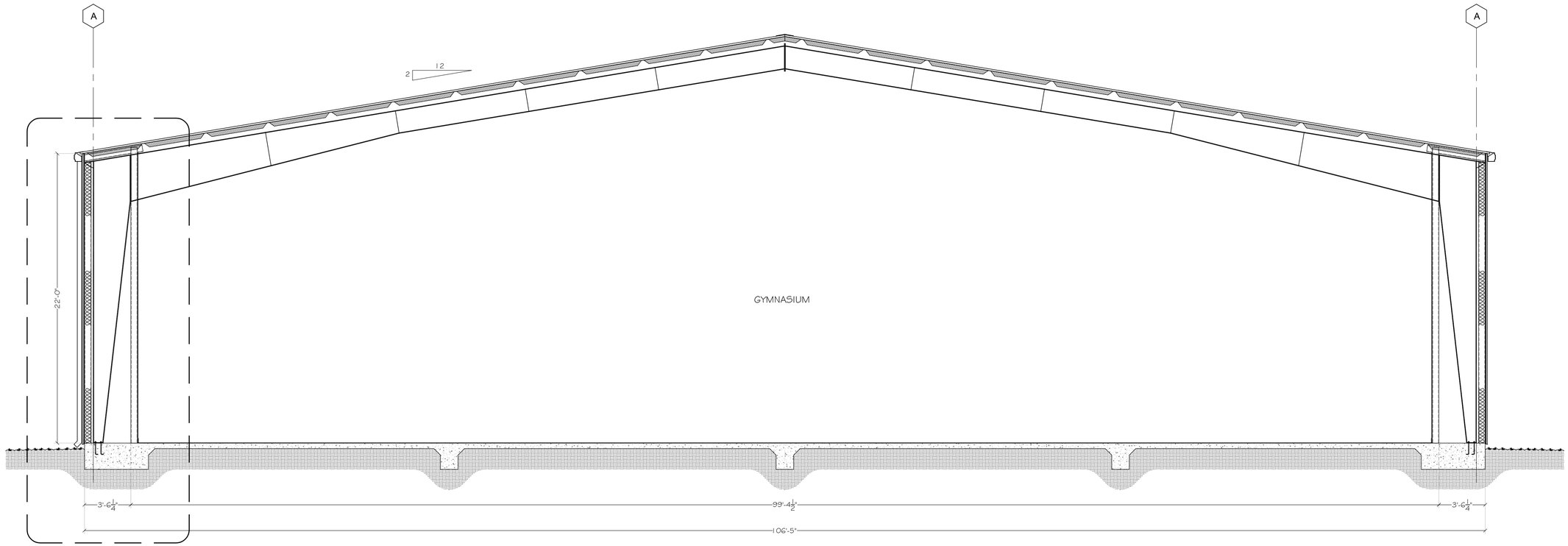
project 5719-E [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18676
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet
A11.1
of



1. BUILDING SECTION
SCALE: 1/4" = 1'-0"

project 5719C
date 6.18.20
revisions

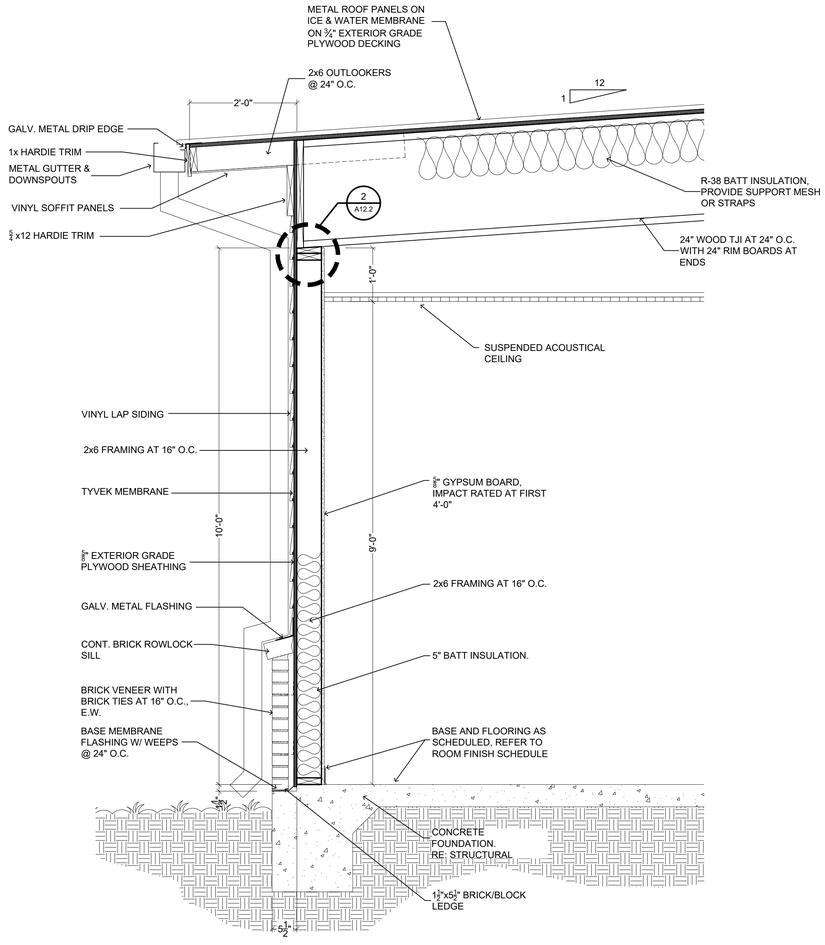
Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18895
STATE OF LOUISIANA
REGISTERED ARCHITECT

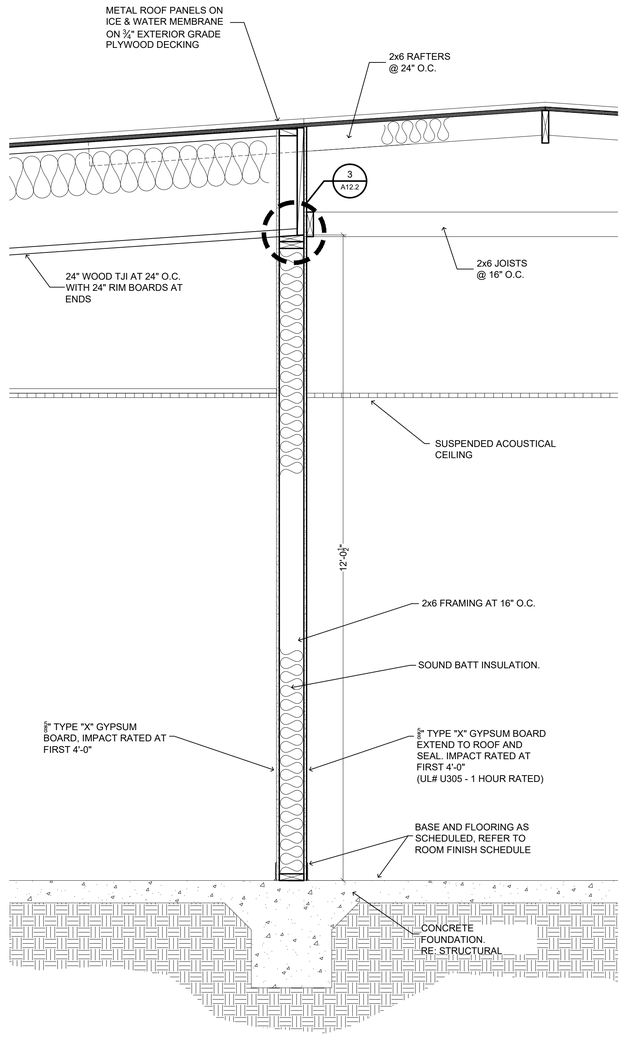
~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

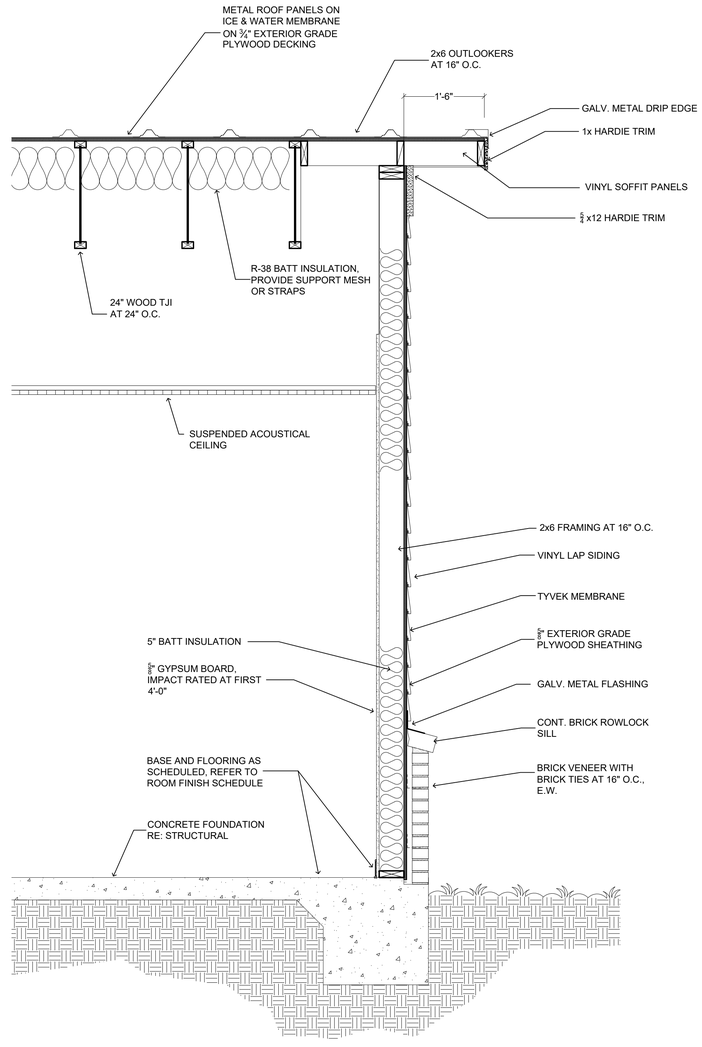
sheet
A11.2
of



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



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



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

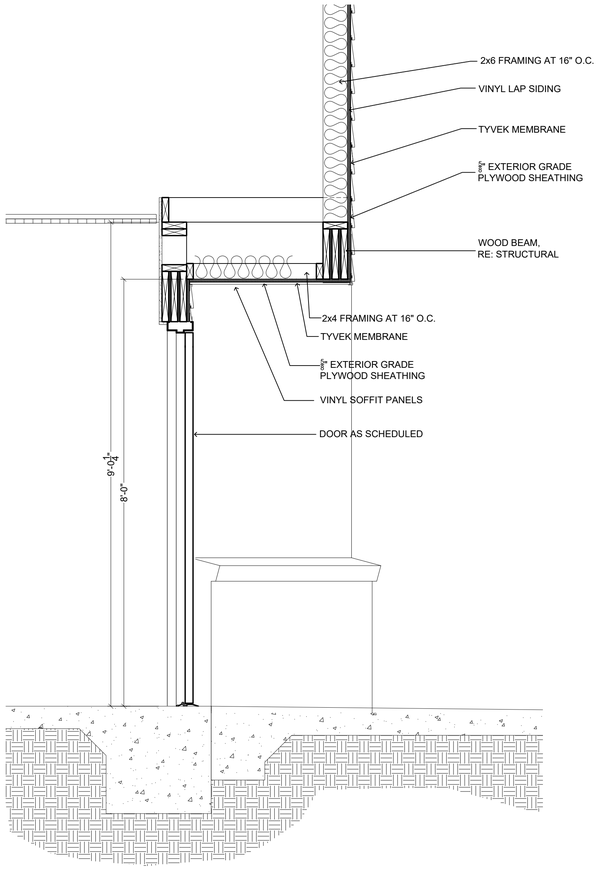
project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

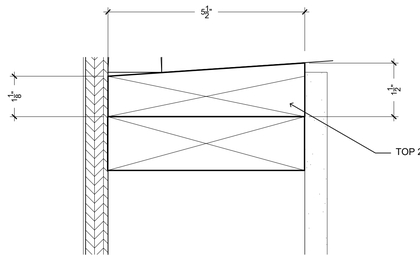
MICHAEL A. PIAZZA
No. 18377
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

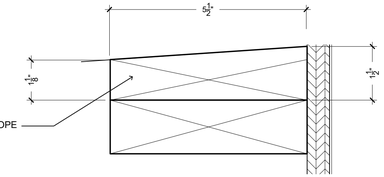
sheet A12.1
of



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



2. SECTION DETAIL
SCALE: 6" = 1'-0"



3. SECTION DETAIL
SCALE: 6" = 1'-0"

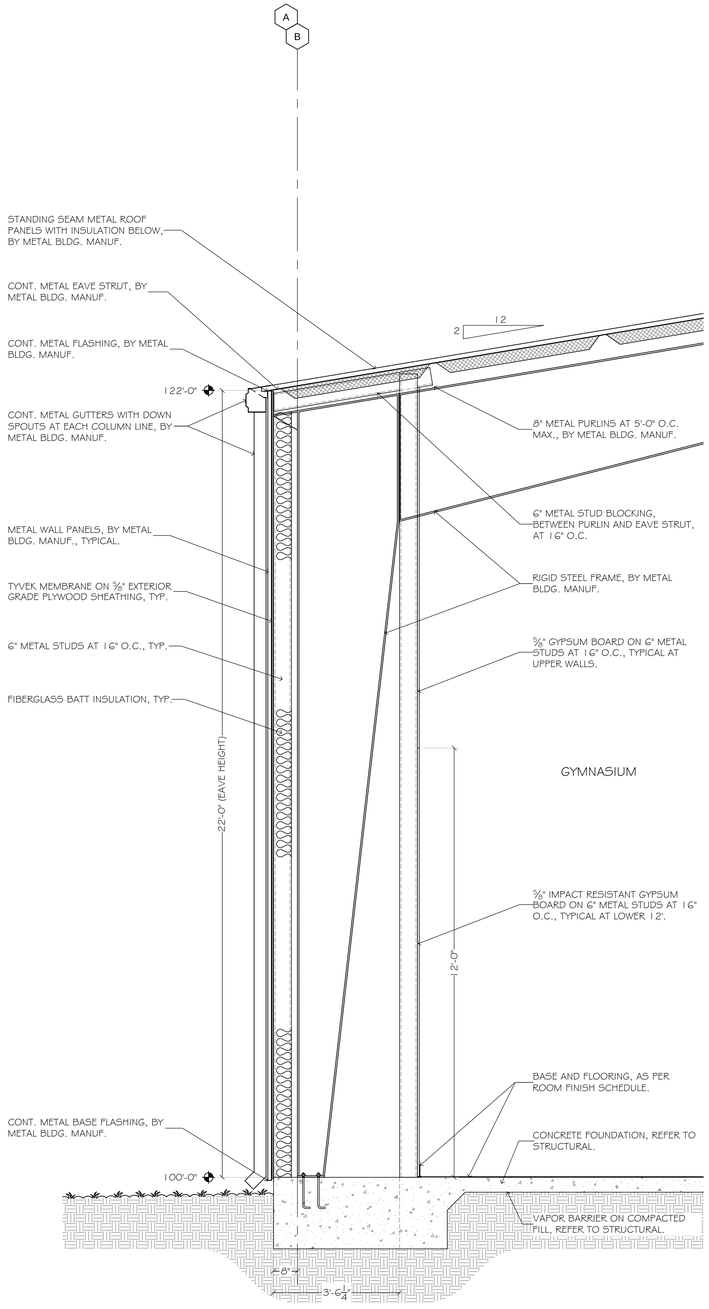
project 5719-E
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

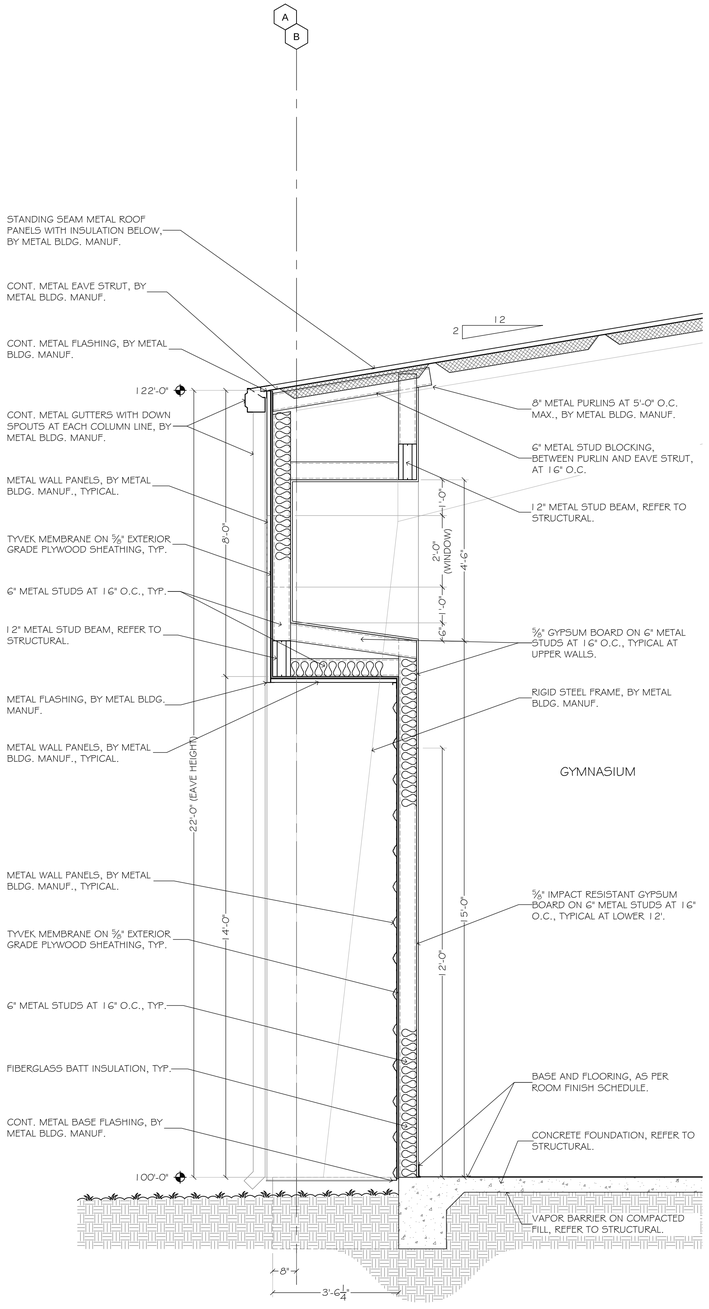
MICHAEL A. PIAZZA
NO. 7858
STATE OF LOUISIANA
REGISTERED ARCHITECT

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

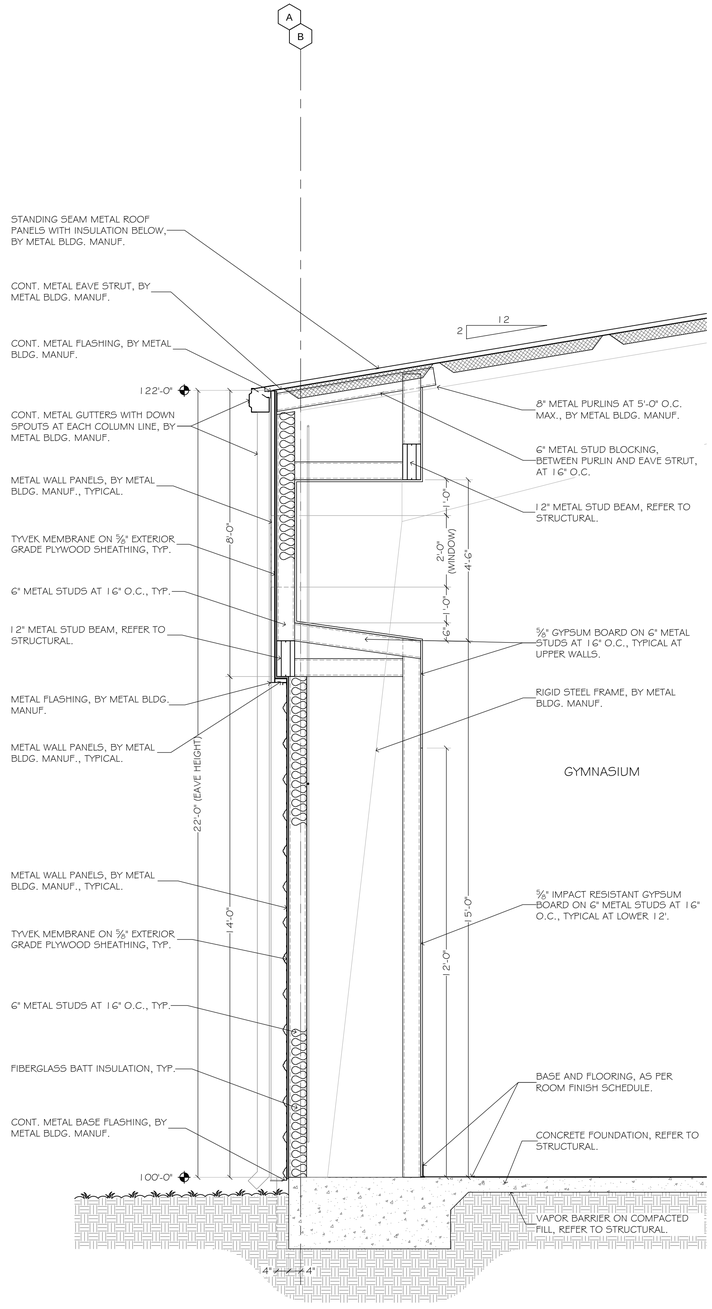
sheet A12.2 of



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



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



3. WALL SECTION
SCALE: 1/2" = 1'-0"

project 5719C
date 6.18.20
revisions

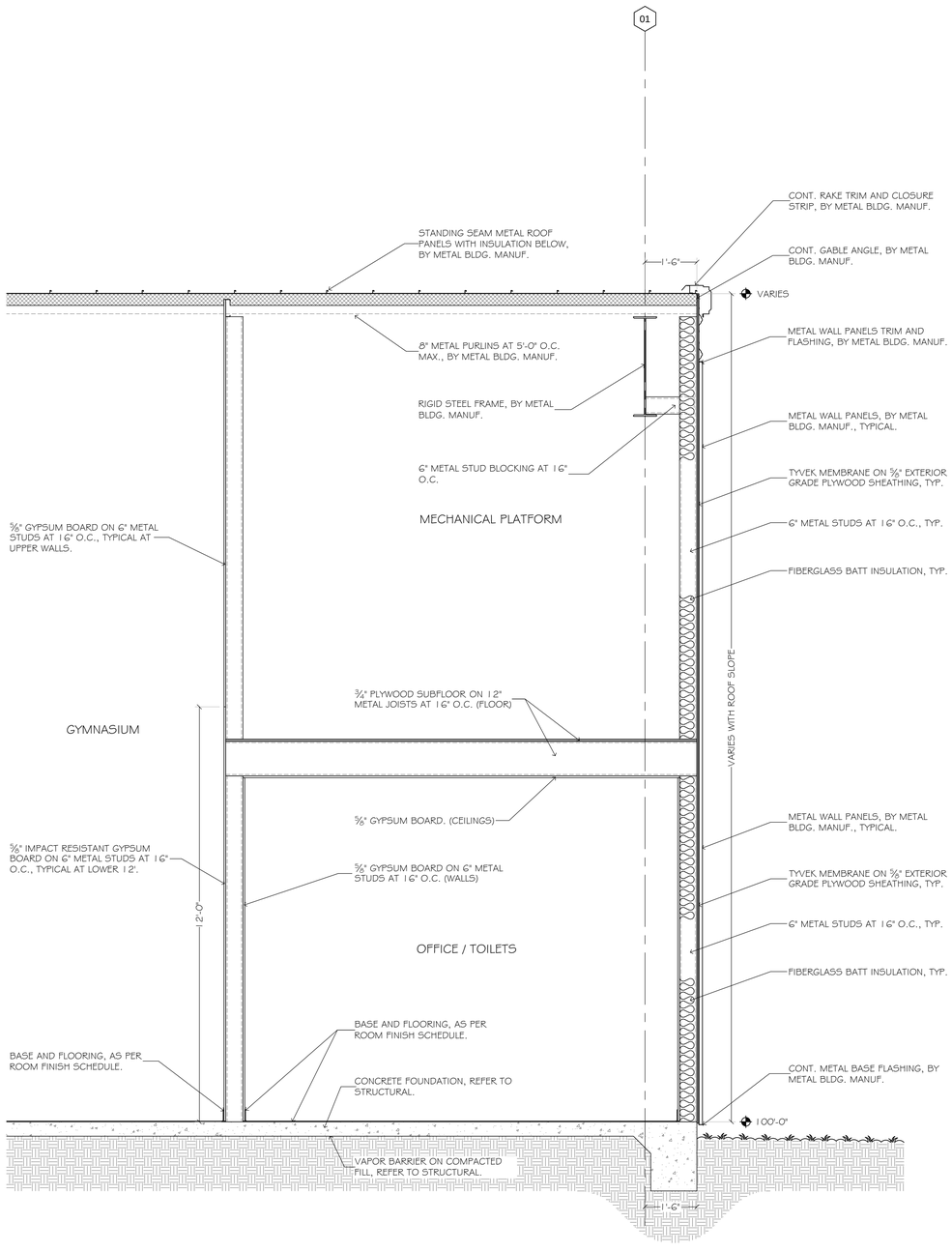
Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA
NO. 18937
STATE OF LOUISIANA
REGISTERED ARCHITECT

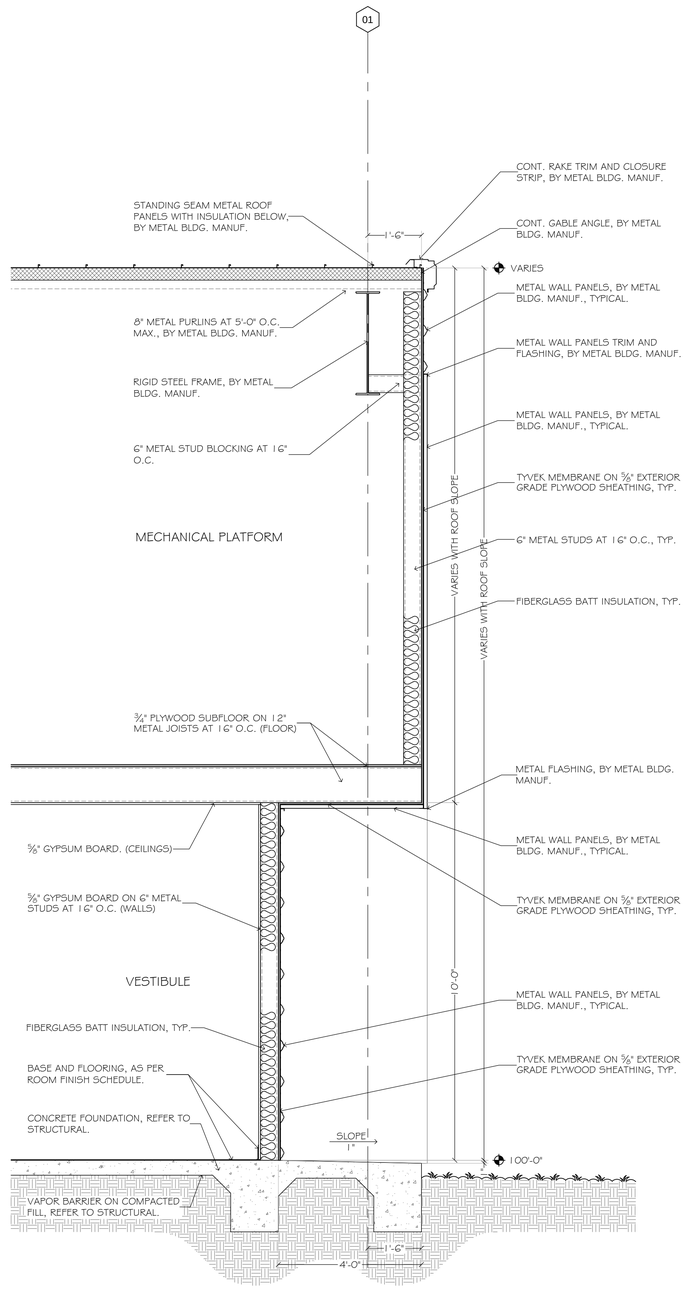
~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

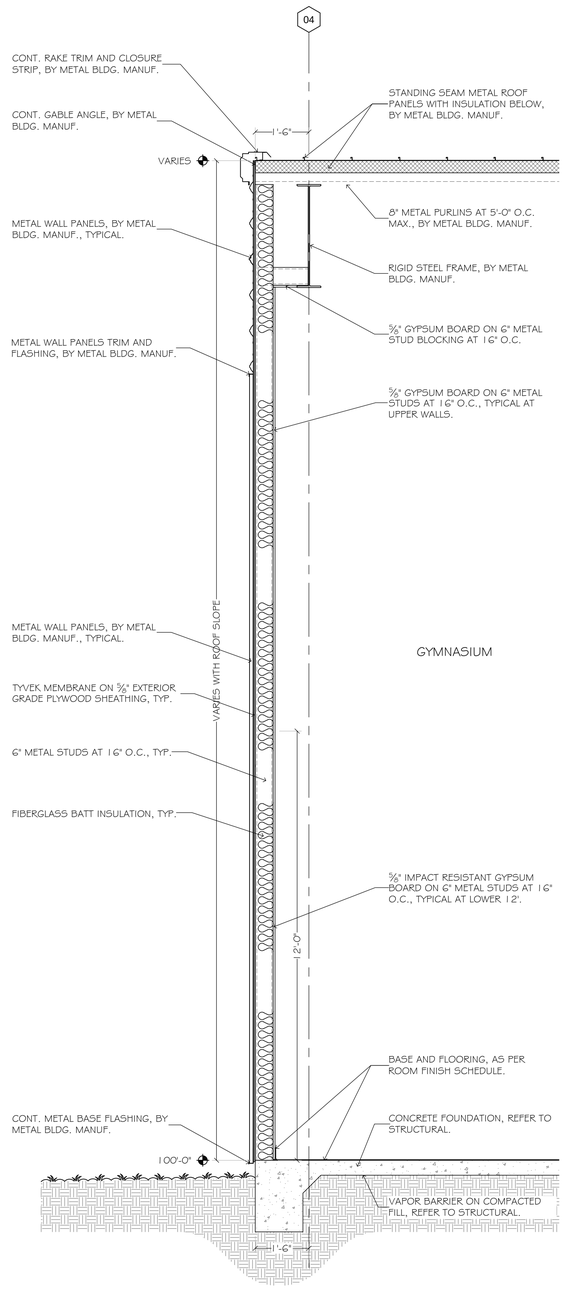
sheet
A12.3
of



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



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



3. WALL SECTION
SCALE: 1/2" = 1'-0"

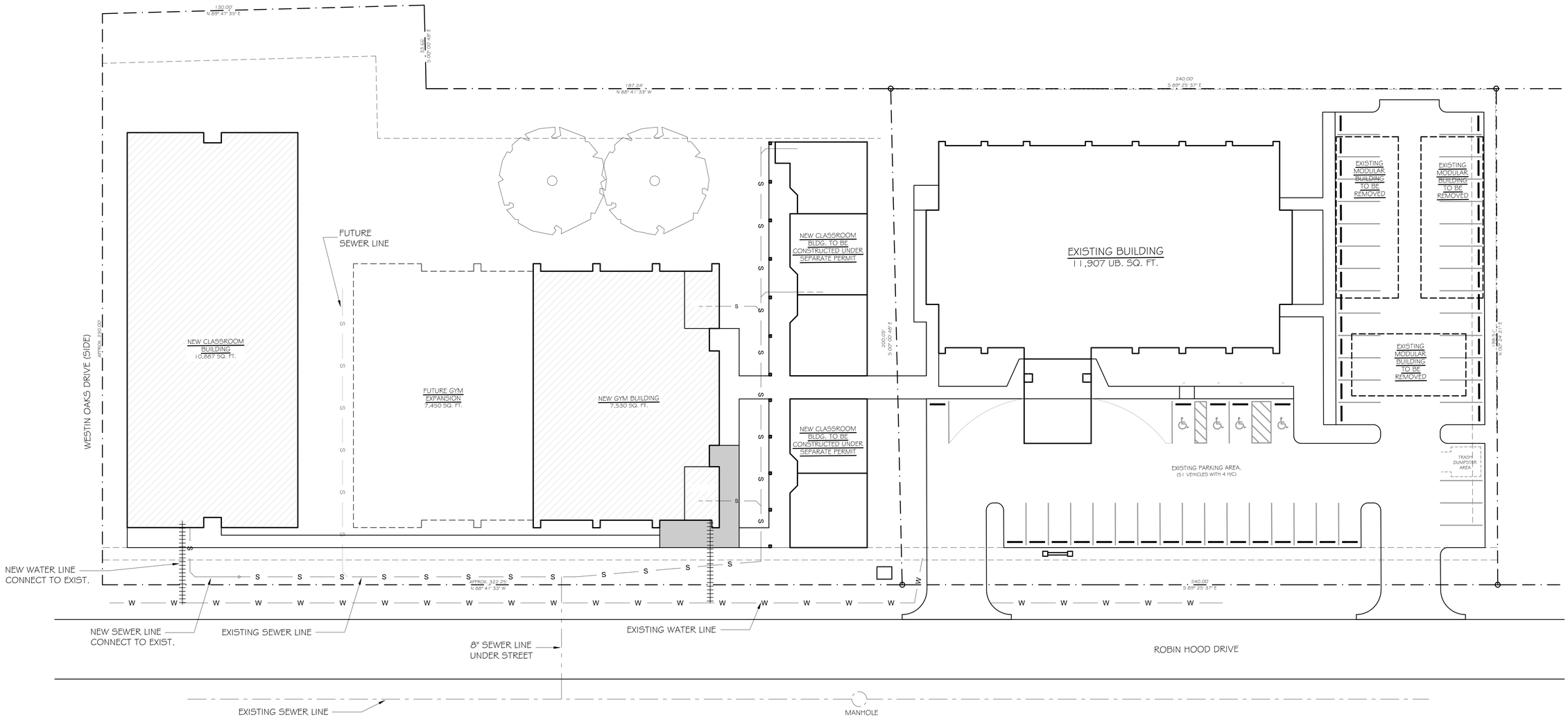
project 5719C [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

MICHAEL A. PIAZZA NO. 18344 STATE OF LOUISIANA REGISTERED ARCHITECT

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet A12.4 of



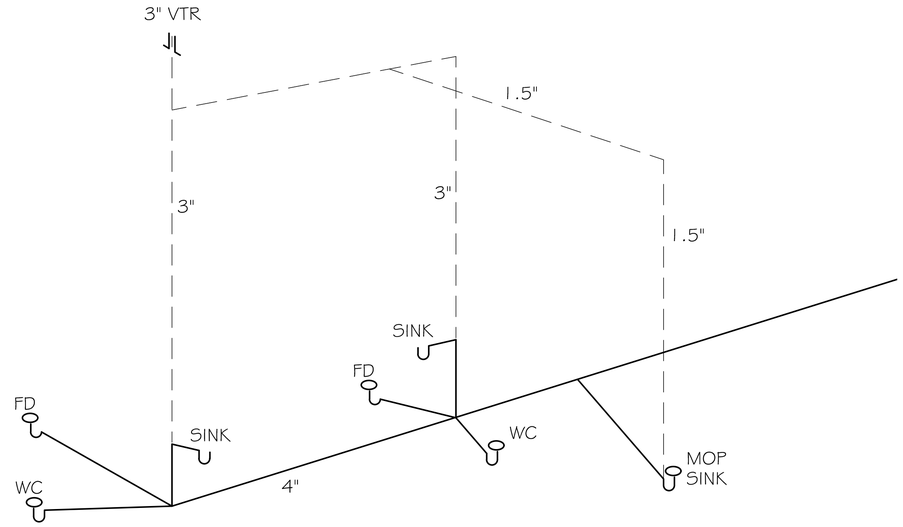
1. SITE WATER & SEWER PLAN
SCALE: 1" = 20'-0"

project 5719-E [redacted]
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

sheet P01.1 of



1. CLASSROOM PLUMBING RISER

SCALE: N.T.S.

PLUMBING GENERAL NOTES:

1. EXECUTE ALL WORK ACCORDING TO ALL CODES AND ORDINANCES. PAY FOR ALL PERMITS AND PROVIDE FOR INSPECTIONS.

2. ALL MECHANICAL INSTALLATIONS MUST MEET COMMERCIAL STANDARDS INCLUDING HEATING, COOLING, WATER HEATING, DUCTWORK, ETC., AND THAT THESE INSTALLATIONS MUST BE TYPICALLY ACCESSIBLE, AS REQUIRED.

3. GUARANTEE ALL LABOR AND MATERIAL FOR ONE YEAR FROM DATE OF ACCEPTANCE.

4. VISIT THE SITE TO BE FAMILIAR WITH ALL VISIBLE CONDITIONS. NO COMPENSATION WILL BE ALLOWED FOR FAILURE TO OBSERVE EXISTING CONDITIONS.

5. MAKE ARRANGEMENTS FOR SEWER AND WATER CONNECTIONS REQUIRED. INCLUDE COSTS IN PRICE.

6. DO ALL TRENCHING, EXCAVATING AND BACK FILLING REQUIRED FOR COMPLETION OF THIS WORK. COMPLY WITH REQUIREMENTS OF GENERAL PROVISIONS.

7. TEST ALL PIPING, TEST AND ADJUST AIR DISTRIBUTION AND REFRIGERATION SYSTEMS.

8. CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH GENERAL PRACTICES.

MISCELLANEOUS:

9. INSTALL GAS PIPING IN ACCORDANCE WITH NFPA 54.

10. PIPING SHALL BE INSTALLED SO THAT IT MAY EXPAND AND CONTRACT WITHOUT DAMAGING BUILDING. PROVIDE SATISFACTORY HANGERS, BRACES AND SUPPORTS. INSTALL DIALECTIC FITTINGS BETWEEN DISSIMILAR PIPING MATERIALS. HANG ALL UNDER SLAB PIPING USING 1/4" DIAMETER STAINLESS STEEL RODS.

DOMESTIC WATER LINES: COPPER TYPE (K) UNDERGROUND, TYPE (L) ABOVE.

SEWER, DRAIN, SANITARY AND VENT LINES: PVC, ABS SCHEDULE 40 WITH GLUED JOINTS.

BALL VALVES: BRONZE BLOWOUT PROOF STEMS EXTENDED FOR INSULATED PIPE; ADJUSTABLE PACKING GLANDS, BUNA - N PACKING FOR COLD WATER, TEFLON FOR HOT WATER OF STEAM.

BUTTERFLY VALVES: 2 1/2 INCH AND LARGER; LUG WAFER TYPE, CAST IRON BODY, FIELD REPLACEABLE EDPM SLEEVE, NICKEL PLATED IRON DISC AND LEVER HANDLE WITH INDICATOR.

11. INSTALL SYSTEM OF SOIL, WASTE AND VENT LINES FOR A COMPLETE PLUMBING SYSTEM. CONNECT TO SEWER AS REQUIRED.

12. INSTALL CLEAN OUTS WITH ACCESS PLATES AT THE BASE OF ALL PLUMBING STACKS, CHANGE OF DIRECTION OF 45 DEGREES OF MORE, AND EVERY 50 FEET.

13. INSTALL COLD AND/OR HOT WATER LINES TO ALL FIXTURES COMPLETE WITH STOP VALVES AND SHOCK ABSORBERS.

14. INSULATE ALL HOT WATER LINES AND HORIZONTAL COLD WATER AND CONDENSATE LINES ABOVE CEILING WITH 1/2 INCH FIBERGLASS SEALED WITH FOIL VAPOR BARRIER.

15. WATER HEATERS: ELECTRIC, GLASS LINED TANK, UL APPROVED, THERMOSTAT, INSULATION MEETING ASHRAE STANDARD 90-75, JACKET AND TEMPERATURE PRESSURE RELIEF VALVE.

16. PROVIDE ACCESS DOORS FOR INSTALLATION BY OTHERS, IF REQUIRED.

17. ALL HOSE BIBBS TO BE FROST-PROOF TYPE.

18. THE POTABLE WATER SUPPLY SYSTEM SHALL BE DESIGNED AS PER BOARD OF HEALTH REQUIREMENTS.

project 5719-E
date 6.18.20
revisions

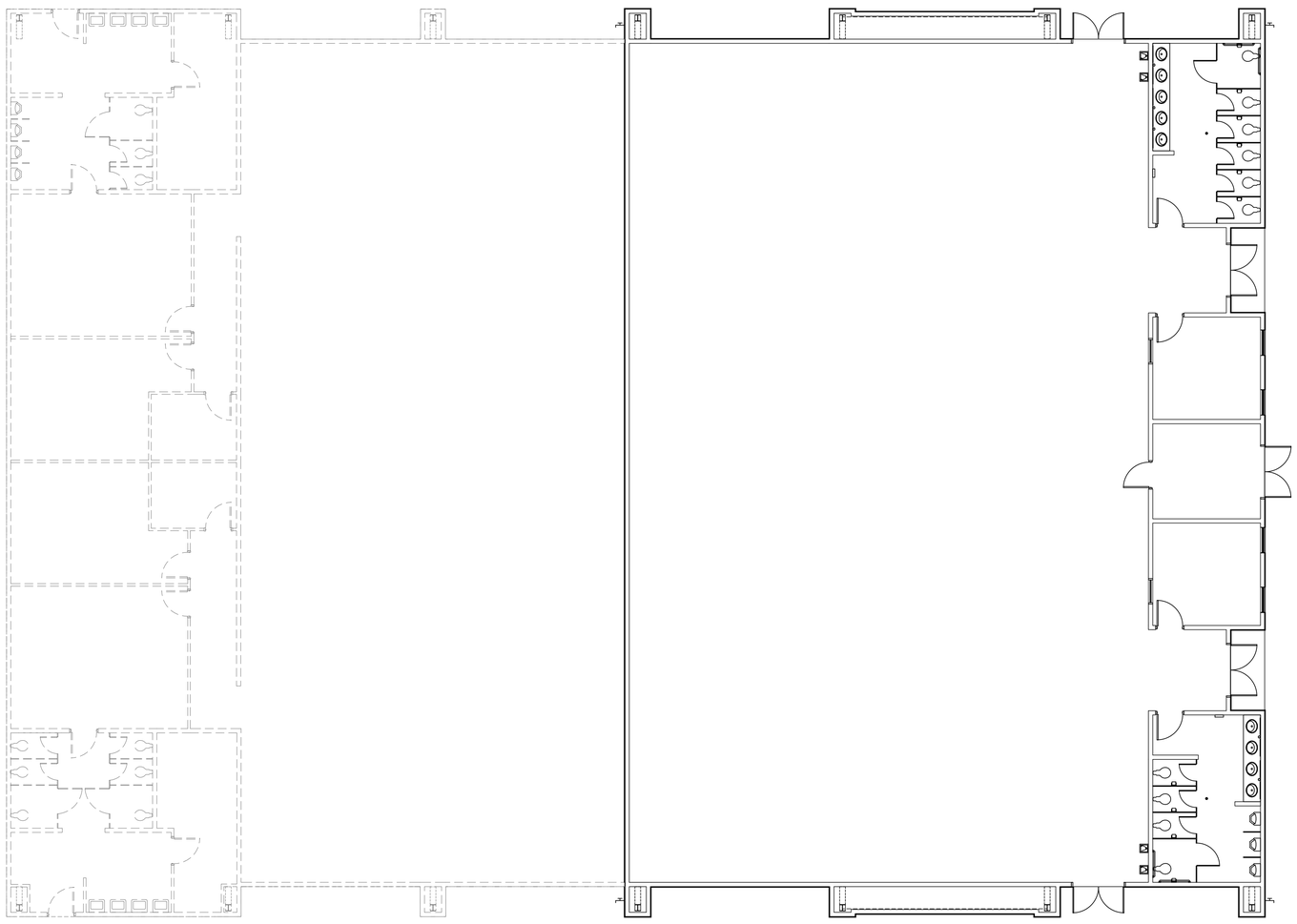
Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY AUTHOR BELL, (PLUM. SUB-CONTRACTOR)

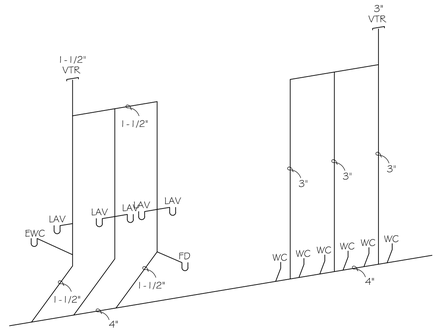
THIS DRAWING IS NOT THE PRACTICE OF MECHANICAL ENGINEERING.

Courtney Christian School - Additions
Robin Hood Drive
Hammond, Louisiana

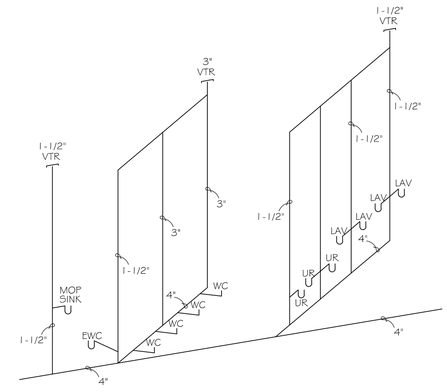
sheet
P02.1
of



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



2. RISER DIAGRAM - GIRL'S #110
SCALE: NONE



3. RISER DIAGRAM - BOY'S #116
SCALE: NONE

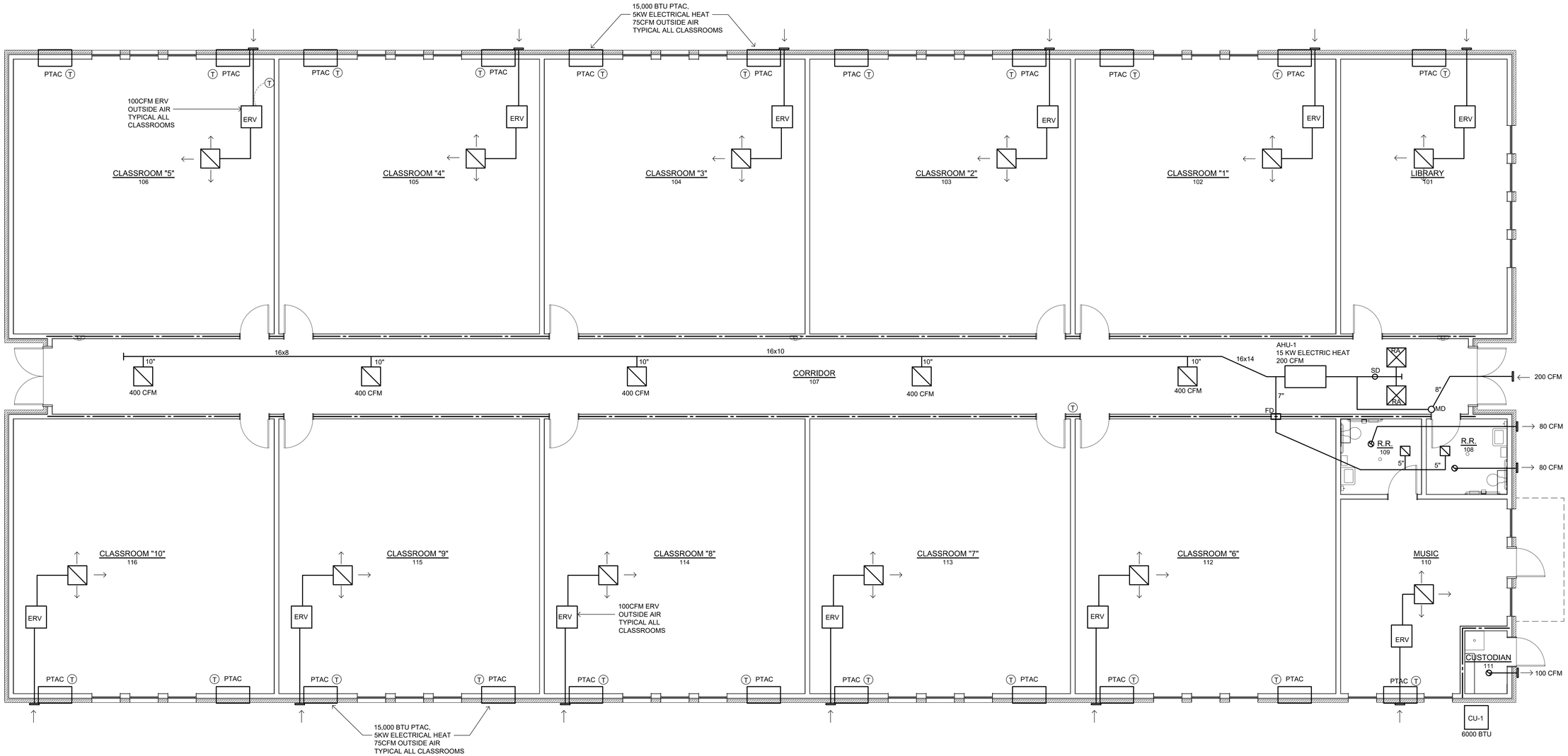
project 5719C
date 6.18.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

sheet
P02.2
of



1. CLASSROOM MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

project 5719-E

date 6.18.20

revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY SCOTT MORRISON, WITH SLIDELL REFRIGERATION, (MECH. SUB-CONTRACTOR)

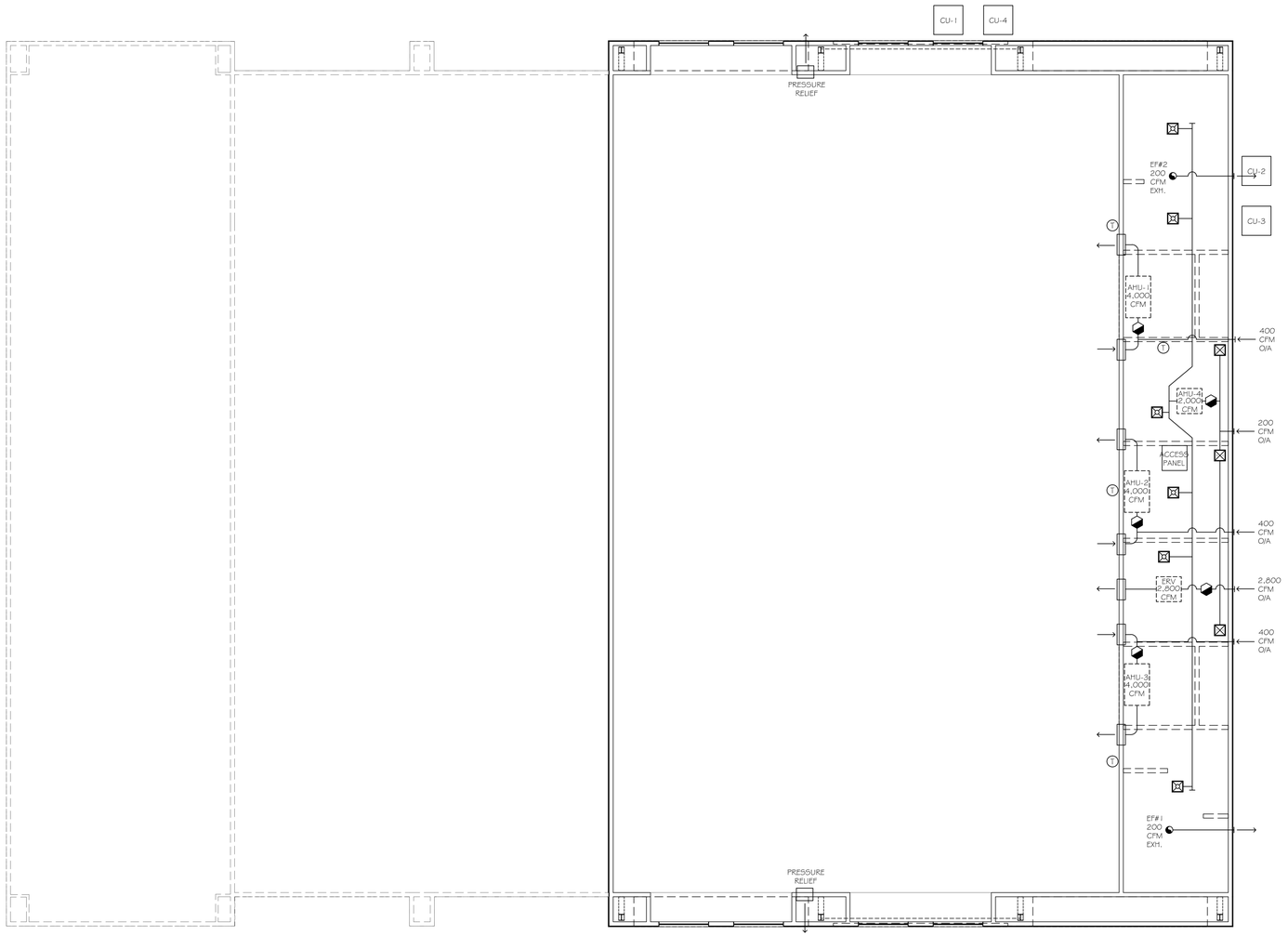
THIS DRAWING IS NOT THE PRACTICE OF MECHANICAL ENGINEERING.

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana

sheet M01.1

of



1. H.V.A.C. PLAN - GYM
SCALE: 1/8" = 1'-0"

2. H.V.A.C. LEGEND
SCALE: NONE

COMP. UNIT	HVAC AIR COMPRESSOR UNIT, TO BE SELECTED BY HVAC SUB-CONTRACTOR.
AIR HAND. UNIT	HVAC AIR HANDLER UNIT, TO BE SELECTED BY HVAC SUB-CONTRACTOR.
R A	RETURN AIR GRILL, TO BE SIZED AND SELECTED BY HVAC SUB-CONTRACTOR.
XXX CFM	SUPPLY AIR GRILL, WITH CFM NOTED, TO BE SIZED AND SELECTED BY HVAC SUB-CONTRACTOR.
	INSULATED RIGID DUCT, TO BE SIZED AND SELECTED BY HVAC SUB-CONTRACTOR.
	INSULATED FLEXIBLE DUCT, TO BE SIZED AND SELECTED BY HVAC SUB-CONTRACTOR.
	SMOKE DETECTOR - DUCT REMOTE ENUNCIATOR, TO BE SELECTED BY HVAC SUB-CONTRACTOR.
M D	MOTORIZED DAMPER, TO BE SELECTED BY HVAC SUB-CONTRACTOR.
T	WALL MOUNTED PROGRAMMABLE DIGITAL THERMOSTAT, TO BE SELECTED BY HVAC SUB-CONTRACTOR.
	EXHAUST FAN, CFM AS NOTED ON PLAN, TO BE SELECTED BY HVAC SUB-CONTRACTOR.

A.C. AND HEATING SCHEDULE

#	CAPACITY	HEAT	FRESH AIR
1	4,000 CFM / 120,000 BTU	30.0 KW	400 CFM
2	4,000 CFM / 120,000 BTU	30.0 KW	400 CFM
3	4,000 CFM / 120,000 BTU	30.0 KW	400 CFM
4	2,000 CFM / 60,000 BTU	11.7 KW	200 CFM
			EXHAUST
EF1	EXHAUST FAN - TOILET ROOM	---	200 CFM
EF2	EXHAUST FAN - TOILET ROOM	---	200 CFM
ERV	ERV	---	2,800 CFM

NOTE: FRESH AIR QUANTITY BASED ON I.M.C. 203.6

project 5719C
date 6.18.20
revisions

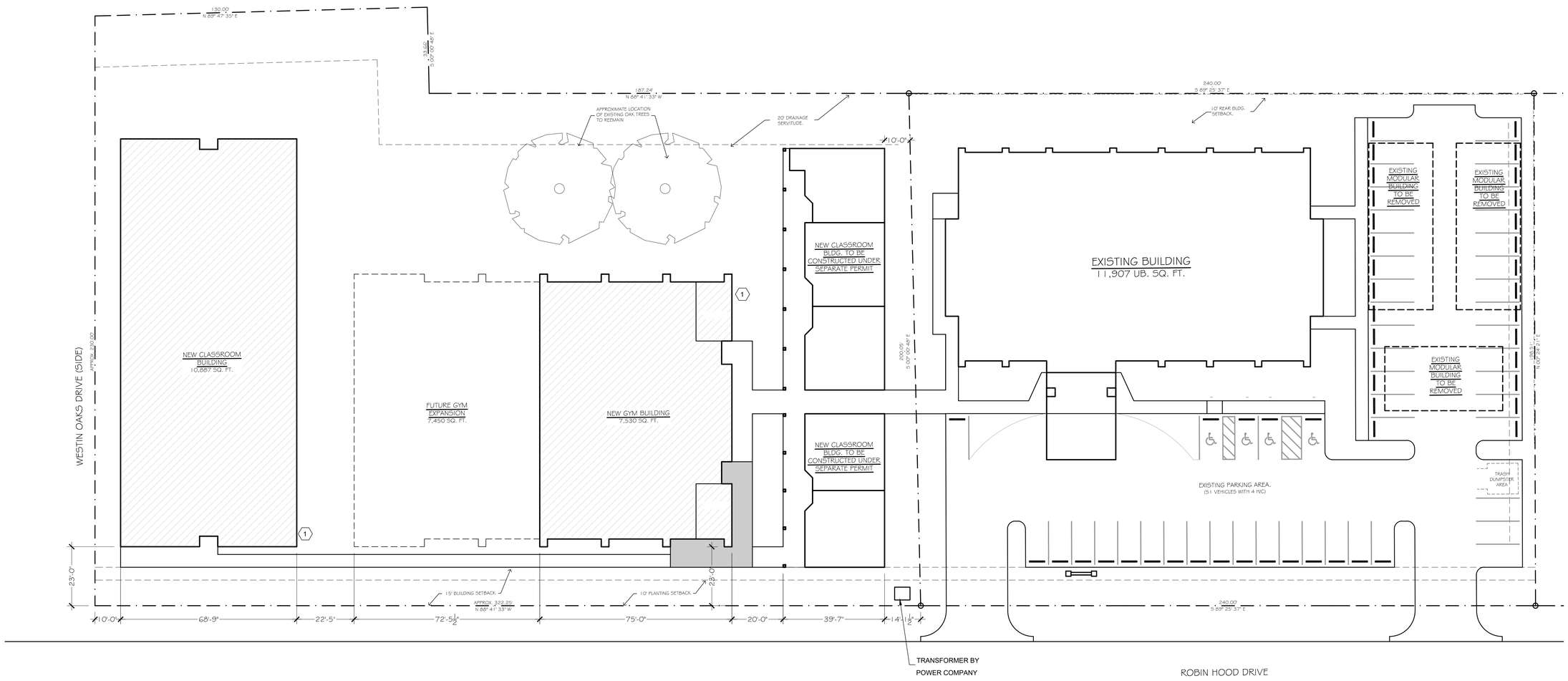
Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY SCOTT MORRISON, WITH SUDELL REFRIGERATION, (MECH. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF MECHANICAL ENGINEERING.

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet M01.2 of



1. ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

SPECIFIC NOTES

1 ELECTRICAL SERVICE LOCATION

project 5719-E

date 6.18.20

revisions

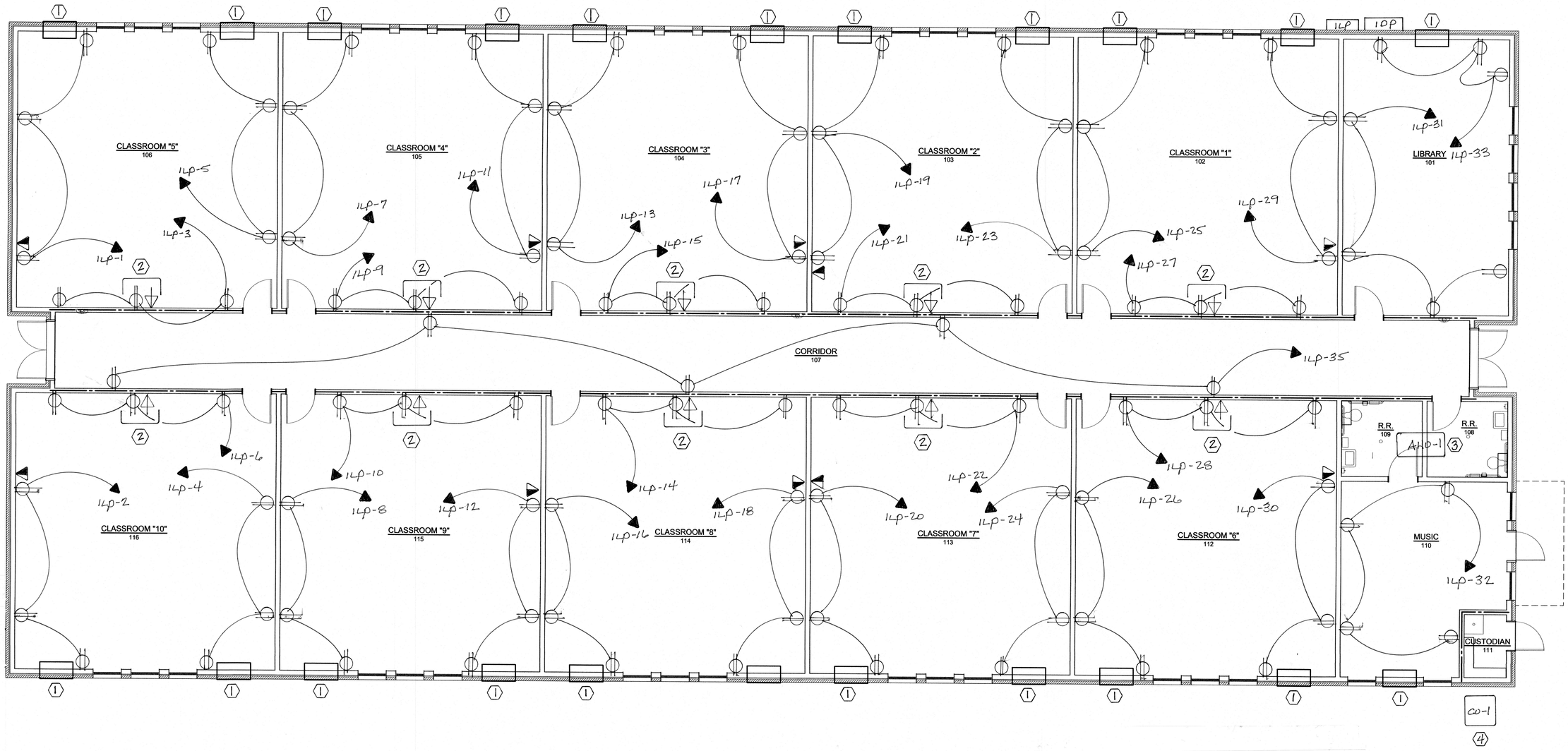
Piazza Architecture Planning APAC
Mandeville Louisiana

Courtney Christian School - Additions

Robin Hood Drive
Hammond, Louisiana

sheet E01.1

of



SPECIFIC NOTES THIS SHEET

1. POWER TO PTAC UNIT. COORDINATE WITH MECHANICAL AND ROUTE 3-#10'S TO PANEL "1DP" (SEE PANEL SCHEDULE)
2. MOUNT RECEPTACLE FOR PHONE AND TV AT 6'-0" A.F.F.
3. PROVIDE A 250V 3P 60A N-1 F.D.S. ROUTE 3-#8 THHN AND 1-#10 GROUND IN 3/4" CONDUIT TO PANEL "1DP" (SEE SCHEDULE)
4. PROVIDE A 250V 3P 60A N-3R F.D.S. ROUTE 3-#8 THHN AND 1-#10 GROUND IN 3/4" CONDUIT TO PANEL "1DP" (SEE SCHEDULE)

1. CLASSROOM POWER PLAN

SCALE: 3/16" = 1'-0"

ELECTRICAL LEGEND

- 15A DUPLEX RECEPTACLE
- 15A GFI DUPLEX RECEPTACLE
- 15A GFI DUPLEX RECEPTACLE WITH WP COVER
- WP COMBINATION TEL/DATA OUTLET - ROUTE 1-3/4" CONDUIT TO ACCESSIBLE CEILIING ABOVE
- CATV OUTLET - ROUTE 1-3/4" CONDUIT TO ACCESSIBLE CEILING ABOVE

project 5719-E [redacted]
date 6.12.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

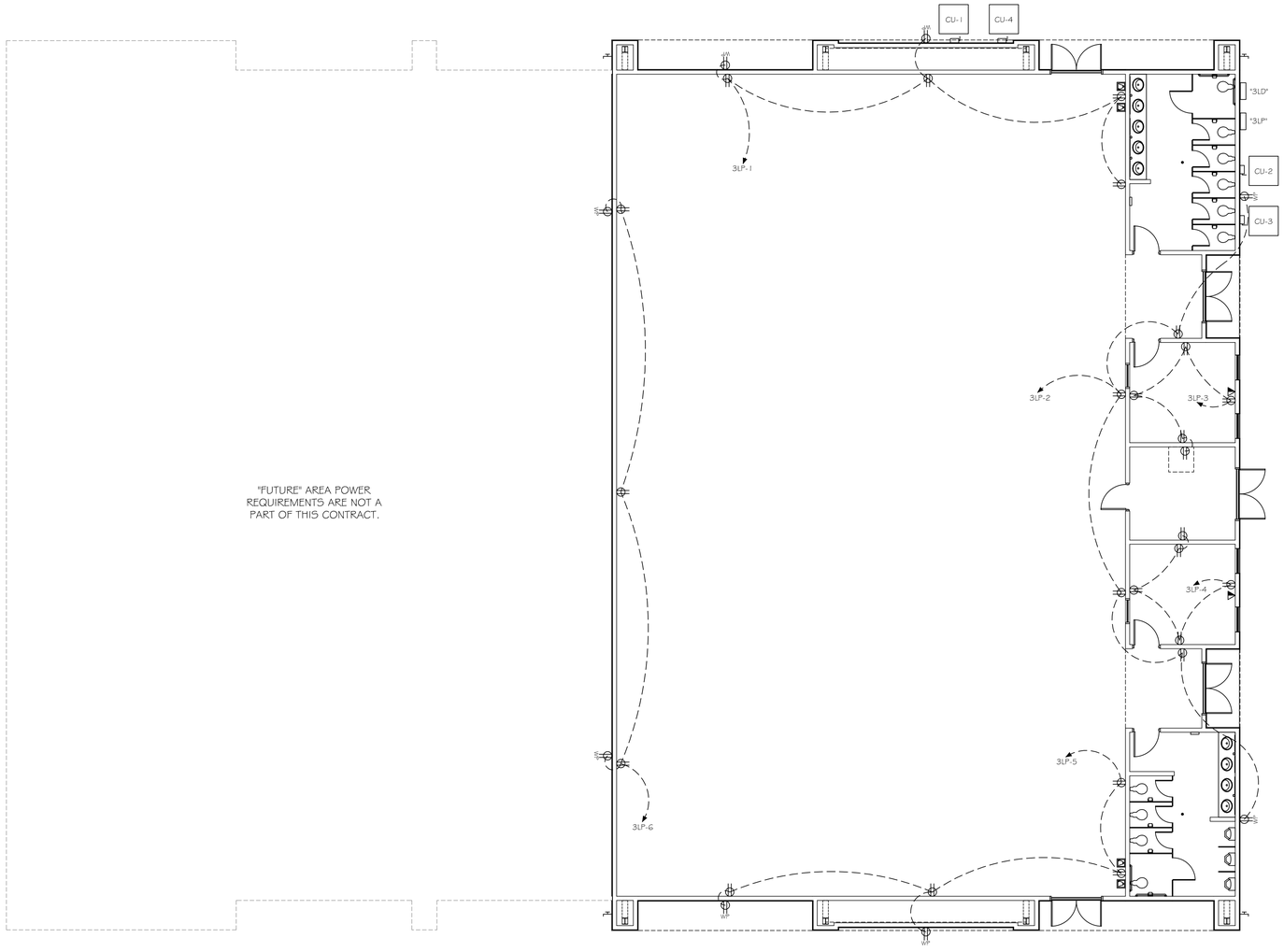
THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY JAMES COCHRAN, WITH COCHRAN and GILL SPEC. (ELEC. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF ELECTRICAL ENGINEERING.

Courtney Christian School - Classroom Addition

Robin Hood Drive
Hammond, Louisiana

sheet E02.1 of



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

2. POWER LEGEND
SCALE: NONE

- 15 AMP - 120 VOLT DUPLEX CONVENIENCE OUTLET MOUNTED AT 18" A.F.F., UNLESS NOTED OTHERWISE.
- 15 AMP - 120 VOLT GROUND FAULT CIRCUIT INTERRUPTER (G.F.C.I.) PROTECTED DUPLEX CONVENIENCE OUTLET MOUNTED AT 18" A.F.F., UNLESS NOTED OTHERWISE.
- 15 AMP - 120 VOLT GROUND FAULT CIRCUIT INTERRUPTER (G.F.C.I.) PROTECTED DUPLEX CONVENIENCE OUTLET, WITH WEATHERPROOF COVER PLATE, MOUNTED AT 18" A.F.F., UNLESS NOTED OTHERWISE.
- MODULAR VOICE / DATA OUTLET MOUNTED AT 18" A.F.F., UNLESS NOTED OTHERWISE.
- WALL MOUNTED ELECTRICAL DISCONNECT SWITCH. MATCH AMPERAGE RATING WITH APPLIANCE/EQUIPMENT BEING SERVED.
- WALL MOUNTED ELECTRICAL PANEL. REFER TO PANEL SCHEDULE.

project 5719C
date 6.18.20
revisions

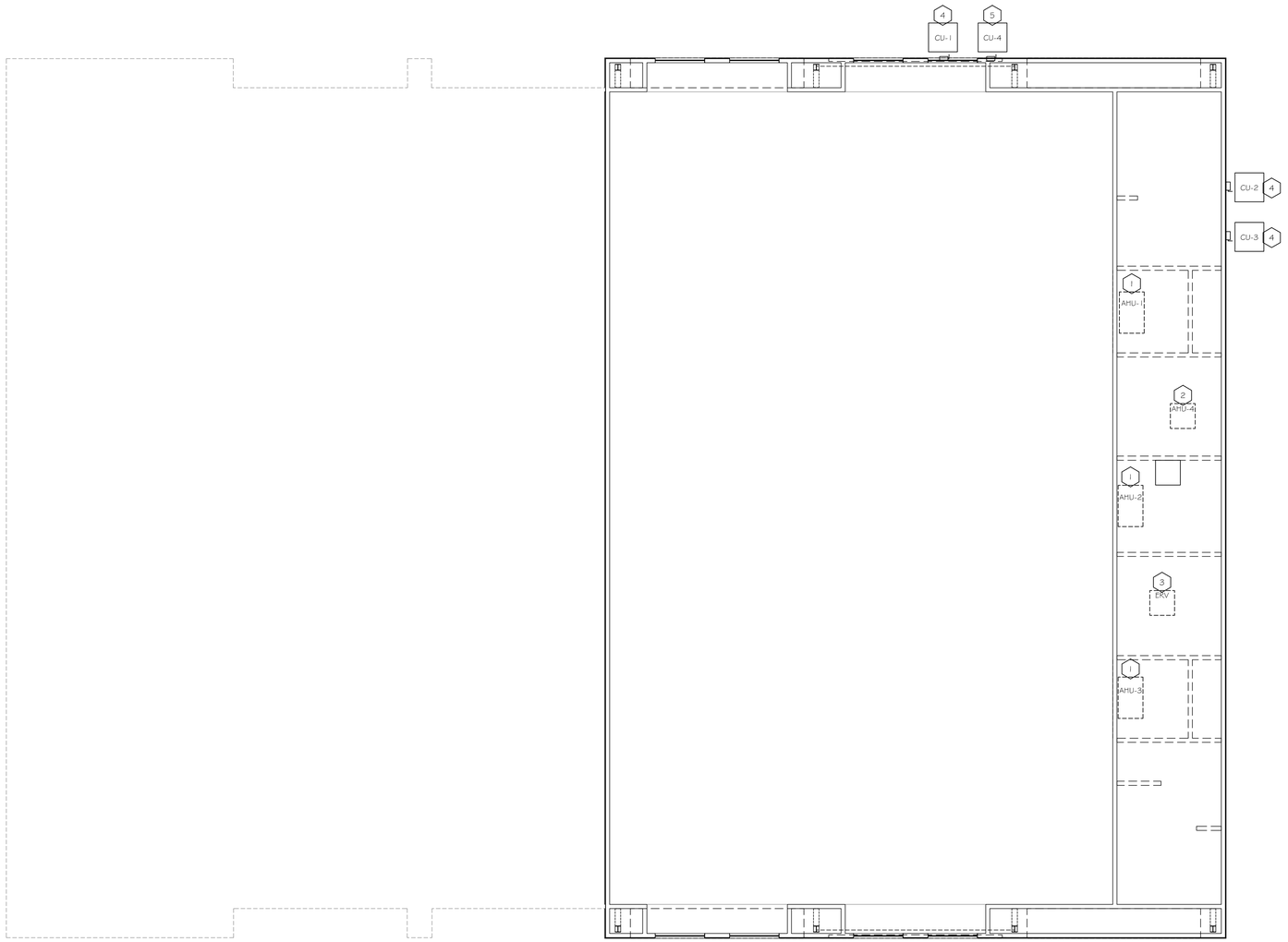
Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY JAMES COCHRAN, WITH COCHRAN and GILL SPEC. (ELEC. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF ELECTRICAL ENGINEERING.

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
E02.2
of



2. MECHANICAL POWER LEGEND

SCALE: NONE

1 — PROVIDE 250V 3P 100A N-1 F.D.S. ROUTE 3 - #3's AND 1 - #8 GROUND IN 1-1/4" CONDUIT TO PANEL "3DP" (SEE PANEL SCHEDULE)

2 — PROVIDE 250V 3P 60A N-1 F.D.S. ROUTE 3 - #8's AND 1 - #10 GROUND IN 3/4" CONDUIT TO PANEL "3DP" (SEE PANEL SCHEDULE)

3 — PROVIDE 250V 2P 30A N-1 F.D.S. ROUTE 3 - #12's IN 1/2" CONDUIT TO PANEL "3DP" (SEE PANEL SCHEDULE)

4 — PROVIDE 250V 3P 100A N-3R F.D.S. ROUTE 3 - #3's AND 1 - #8 GROUND IN 1-1/4" CONDUIT TO PANEL "3DP" (SEE PANEL SCHEDULE)

5 — PROVIDE 250V 3P 100A N-3R F.D.S. ROUTE 3 - #3's AND 1 - #8 GROUND IN 1-1/4" CONDUIT TO PANEL "3DP" (SEE PANEL SCHEDULE)

1. MECHANICAL POWER PLAN - GYM

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

project 5719C
date 6.18.20
revisions

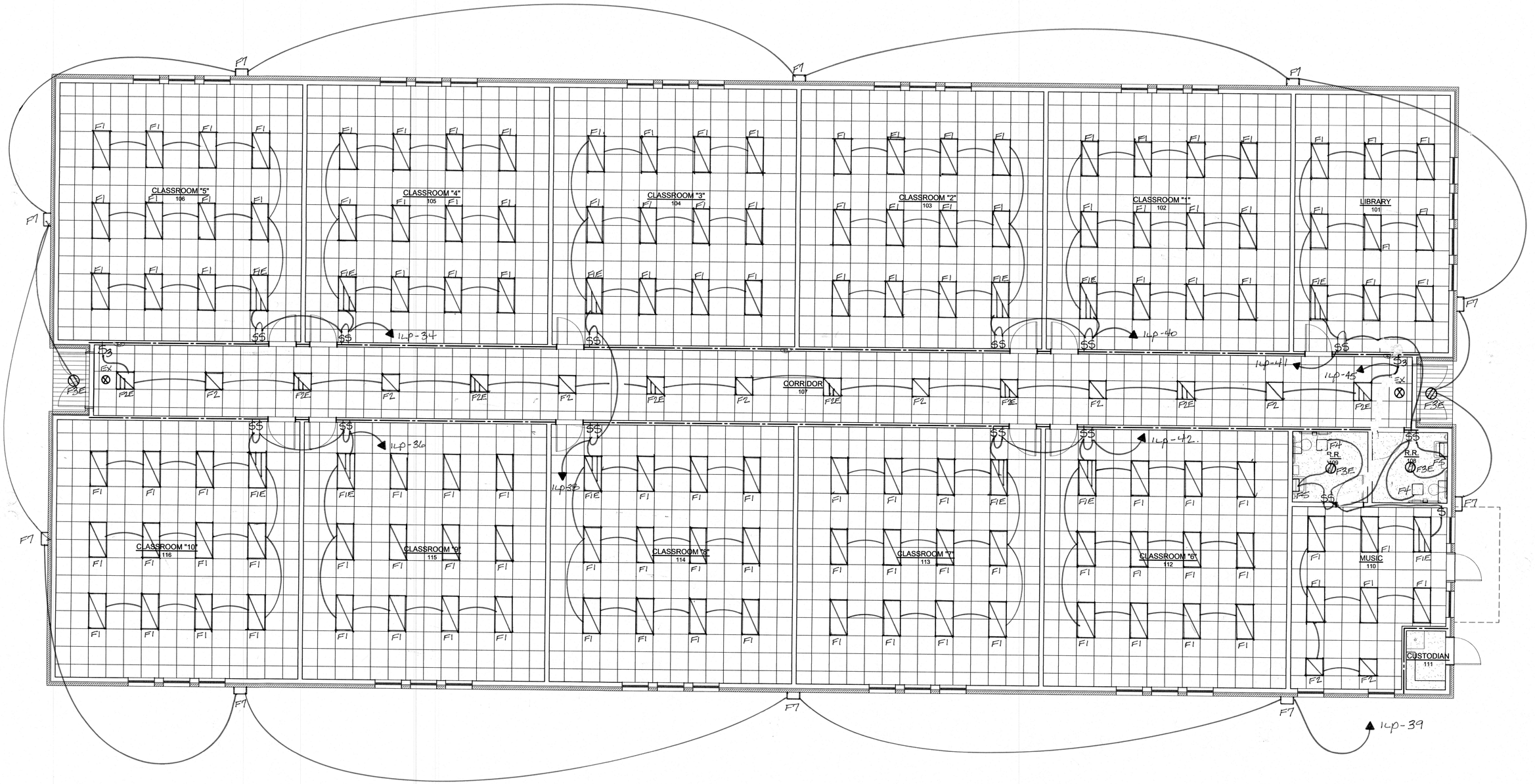
Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY JAMES COCHRAN, WITH COCHRAN and GILL SPEC. (ELEC. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF ELECTRICAL ENGINEERING.

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
E02.3
of



1. CLASSROOM LIGHTING PLAN

SCALE: 3/16" = 1'-0"

project 5719-E [redacted]
date 6.12.20
revisions

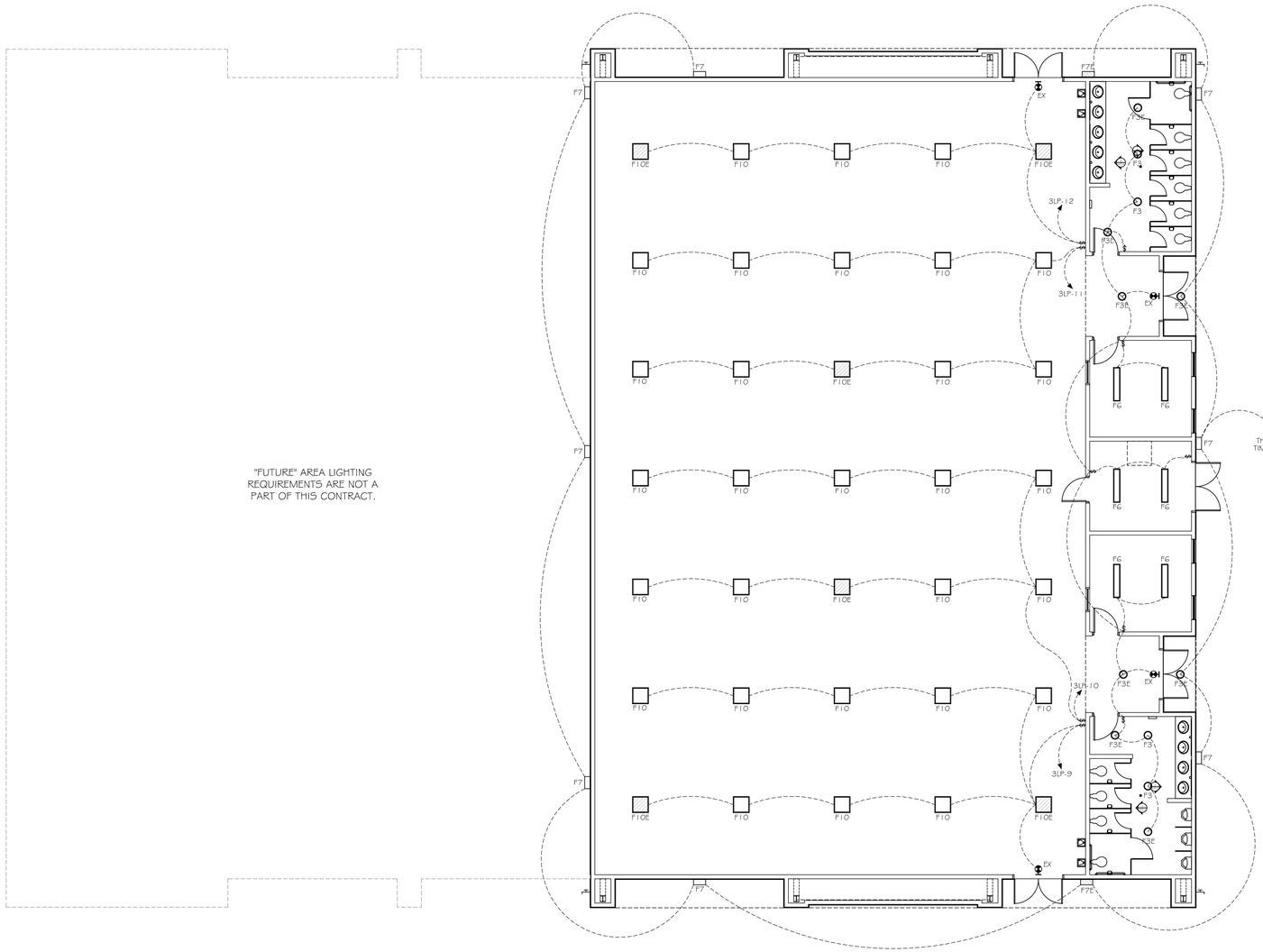
Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY JAMES COCHRAN, WITH COCHRAN and GILL SPEC. (ELEC. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF ELECTRICAL ENGINEERING.

Courtney Christian School - Classroom Addition
Robin Hood Drive
Hammond, Louisiana

sheet E09.1
of



2. LIGHTING LEGEND
SCALE: NONE

- F3 — RECESSED LED "DOWN" LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F3E — RECESSED LED "DOWN" LIGHT FIXTURE, ON EMERGENCY CIRCUIT, REFER TO FIXTURE SCHEDULE.
- F6 — SURFACE MOUNTED LED LINEAR LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F7 — SURFACE MOUNTED LED WALLPACK LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F7E — SURFACE MOUNTED LED WALLPACK LIGHT FIXTURE, ON EMERGENCY CIRCUIT, REFER TO FIXTURE SCHEDULE.
- F10 — HI-BAY LED LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE.
- F10E — HI-BAY LED LIGHT FIXTURE, ON EMERGENCY CIRCUIT, REFER TO FIXTURE SCHEDULE.
- EX — WALL MOUNTED "EXIT" LIGHT FIXTURE, WITH BATTERY BACKUP ON EMERGENCY CIRCUIT, TO BE SELECTED.
- S — SINGLE POLE WALL SWITCH, MOUNTED AS PER ADA.
- S3 — THREE WAY WALL SWITCH, MOUNTED AS PER ADA.
- S(OCC) — SINGLE POLE "OCCUPANT SENSOR" WALL SWITCH, MOUNTED AS PER ADA.
- SWITCH / FIXTURE WIRE RUNS.

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

project 5719C
date 6.18.20
revisions

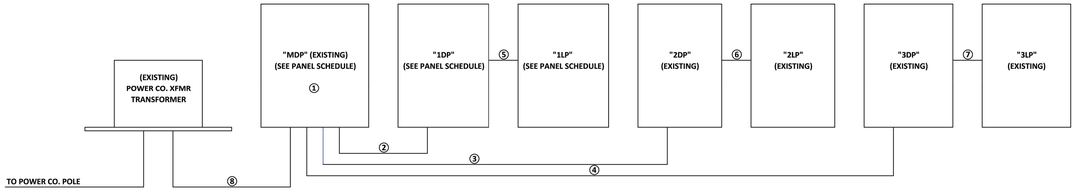
Piazza Architecture Planning APAC
Mandeville Louisiana

THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY JAMES COCHRAN, WITH COCHRAN and GILL SPEC. (ELEC. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF ELECTRICAL ENGINEERING.

~ Courtney Christian School Additions ~
Robin Hood Drive
Hammond, Louisiana

sheet
E03.2
of



① GROUND PANEL "MDP" PER NEC
② 2-SETS 4-350MCM , 1#1 GROUND IN 3" CONDUIT
③ 4-600MCM, 1#3 GROUND IN 4" CONDUIT
④ 4-600MCM, 1#3 GROUND IN 4" CONDUIT
⑤ 4-3/0 MCM THHN, 1-#6 G IN 2" CONDUIT
⑥ 4-#1, 1#6 GROUND IN 1 1/2" CONDUIT
⑦ 4-#1, 1#6 GROUND IN 1 1/2" CONDUIT
⑧ 3-SETS 4-600MCM IN 4" CONDUIT, PROVIDE 1-4" SPARE

ONE-LINE DIAGRAM

NTS

LIGHTING FIXTURE SCHEDULE

TYPE	FACTORY	PART NUMBER	LAMPING
F1	COLUMBIA	LCAT24-40VLG-ED1U	LED
F1E	COLUMBIA	LCAT24-40VLG-ED1U-ELL14	LED
F1B	COLUMBIA	LCAT24-40MLG-ED1U	LED
F1BE	COLUMBIA	LCAT24-40MLG-ED1U-ELL14	LED
F2	LITON	LHALD625C071UE-D10/C260-J	LED
F2E	LITON	LHALD625C071UE-D10-EM2/C260-J	LED
F3	LITON	LHALD825C071UE-D10/C260-J	LED
F3E	LITON	LHALD825C071UE-D10-EM2/C260-J	LED
F4	JADEMAR	JSTRR4-18W-40K	LED
F5	COLUMBIA	CSL4-40404	LED
F6	COLUMBIA	CNW4-3540	LED
F7	HUBBEL	SG2-80-4K7-FT-UNV-?STD FINISH	LED
F7E	HUBBEL	SG2-80-4K7-FT-UNV-?STD FINISH-E	LED
F10	COLUMBIA	CHB2-40MH-FA-EDU	LED
F10E	COLUMBIA	CHB2-40MH-FA-EDU-ELL14	LED
EM	DUAL LITE	PG-?STD FINISH	LED
EX	COMPASS	CER	LED

PANEL "MDP"

120/208 3P 4W 1200A MLO N-3R SURFACE MOUNT 22K - AIC

Circuit No.	Description	Conductor Size	Volt Amps A	Volt Amps B	Volt Amps C	Breaker Size	Breaker Size	Volt Amps A	Volt Amps B	Volt Amps C	Conductor Size	Description	Circuit No.
1			58121					28071					2
3	PANEL "1DP"	350 MCM		57450		3P 600A	3P 400A		25353		600MCM	PANEL "2DP"	4
5					59700					22128			6
7			41760										8
9	PANEL "3DP"	600 MCM		41920		3P 400A						SPACE	10
11					42440								12
13													14
15	SPACE											SPACE	16
17													18
		Phase	99881	99370	102140		Phase	28071	25353	22128			
							Phase Tot.	127952	124723	124268			
							Total VA	376943					

PANEL "1DP"

120/208 3P 4W 600A MLO N-1 SURFACE MOUNT 22K - AIC

Circuit No.	Description	Conductor Size	Volt Amps A	Volt Amps B	Volt Amps C	Breaker Size	Breaker Size	Volt Amps A	Volt Amps B	Volt Amps C	Conductor Size	Description	Circuit No.
1			11382				1P 30A	2880			#10	WATER HEATER	2
3	PANEL "1LP"	3/0 MCM		11770		3P 200A	2P 30A		2880		#10	PTAC	4
5					11808					2880			6
7	PTAC	#10	2880			2P 30A	2P 30A	2880			#10	PTAC	8
9				2880					2880				10
11	PTAC	#10			2880	2P 30A	2P 30A			2880	#10	PTAC	12
13			2880					2880					14
15	PTAC	#10		2880		2P 30A	2P 30A		2880		#10	PTAC	16
17					2880					2880			18
19	PTAC	#10	2880			2P 30A	2P 30A	2880			#10	PTAC	20
21				2880					2880				22
23	PTAC	#10			2880	2P 30A	2P 30A			2880	#10	PTAC	24
25			2880					2880					26
27	PTAC	#10		2880		2P 30A	2P 30A		2880		#10	PTAC	28
29					2880					2880			30
31	PTAC	#10	2880			2P 30A	2P 30A	2880			#10	PTAC	32
33				2880					2880				34
35	PTAC	#10			2880	2P 30A	2P 30A			2880	#10	PTAC	36
37			2880					2880					38
39	PTAC	#10		2880		2P 30A	2P 30A		2880		#10	PTAC	40
41					2880					2880			42
43	SPARE						3P 50A	3900			#8	AHU-1	44
45	SPARE								3900				46
47	SPARE									3900			48
49	SPARE						3P 35A	3360			#8	CU-1	50
51	PTAC	#10		2880		2P 30A			3360				52
53					2880					3360			54
55	SPACE											SPACE	56
57	SPACE											SPACE	58
59	SPACE											SPACE	60
		Phase	28662	31930	31968		Phase	27420	27420	27420			
							Phase Tot.	56082	59350	59388			
							Total VA	174820					

PANEL "1LP"

120/208 3P 4W 200A MLO N-1 SURFACE MOUNT 10K - AIC

Circuit No.	Description	Conductor Size	Volt Amps A	Volt Amps B	Volt Amps C	Breaker Size	Breaker Size	Volt Amps A	Volt Amps B	Volt Amps C	Conductor Size	Description	Circuit No.
1	RECEPTACLES	#12	675			1P 20A	1P 20A	675			#12	RECEPTACLES	2
3	RECEPTACLES	#12		675		1P 20A	1P 20A		675		#12	RECEPTACLES	4
5	RECEPTACLES	#12			675	1P 20A	1P 20A			675	#12	RECEPTACLES	6
7	RECEPTACLES	#12	675			1P 20A	1P 20A	675			#12	RECEPTACLES	8
9	RECEPTACLES	#12		675		1P 20A	1P 20A		675		#12	RECEPTACLES	10
11	RECEPTACLES	#12			675	1P 20A	1P 20A			675	#12	RECEPTACLES	12
13	RECEPTACLES	#12	675			1P 20A	1P 20A	675			#12	RECEPTACLES	14
15	RECEPTACLES	#12		675		1P 20A	1P 20A		675		#12	RECEPTACLES	16
17	RECEPTACLES	#12			675	1P 20A	1P 20A			675	#12	RECEPTACLES	18
19	RECEPTACLES	#12	675			1P 20A	1P 20A	675			#12	RECEPTACLES	20
21	RECEPTACLES	#12		675		1P 20A	1P 20A		675		#12	RECEPTACLES	22
23	RECEPTACLES	#12			675	1P 20A	1P 20A			675	#12	RECEPTACLES	24
25	RECEPTACLES	#12	675			1P 20A	1P 20A	675			#12	RECEPTACLES	26
27	RECEPTACLES	#12		675		1P 20A	1P 20A		675		#12	RECEPTACLES	28
29	RECEPTACLES	#12			675	1P 20A	1P 20A			675	#12	RECEPTACLES	30
31	RECEPTACLES	#12	900			1P 20A	1P 20A	900			#12	RECEPTACLES	32
33	RECEPTACLES	#12		675		1P 20A	1P 20A		1416		#12	LIGHTING	34
35	RECEPTACLES	#12			1175	1P 20A	1P 20A			1416	#12	LIGHTING	36
37	LIGHTING	#12	1416			1P 20A	1P 20A	1416			#12	LIGHTING	38
39	EXTERIOR LIGHTING	#12		850		1P 20A	1P 20A		1416		#12	LIGHTING	40
41	LIGHTING	#12			1051	1P 20A	1P 20A			1416	#12	LIGHTING	42
43	SPARE	#12				1P 20A	1P 20A					SPARE	44
45	LIGHTING	#12		663		1P 20A	1P 20A					SPARE	46
47	SPARE					1P 20A	1P 20A					SPACE	48
49	SPARE					1P 20A	1P 20A					SPACE	50
51	SPARE					1P 20A						SPACE	52
53	SPACE											SPACE	54
55	SPACE											SPACE	56
57	SPACE											SPACE	58
59	SPACE											SPACE	60
		Phase	5691	5563	5601		Phase	5691	6207	6207			
							Phase Tot.	11382	11770	11808			
							Total VA	34960					

project 5719-E
date 6.12.20
revisions

Piazza Architecture Planning APAC
Mandeville Louisiana

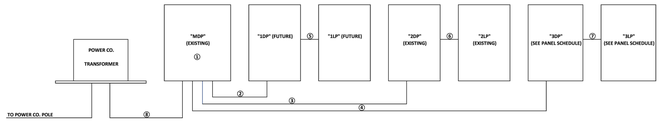
THIS DRAWING IS CREATED FROM A DESIGN DRAWING BY JAMES COCHRAN, WITH COCHRAN and GILL SPEC. (ELEC. SUB-CONTRACTOR)

THIS DRAWING IS NOT THE PRACTICE OF ELECTRICAL ENGINEERING.

Courtney Christian School - Classroom Addition

Robin Hood Drive
Hammond, Louisiana

sheet E04.1 of



① GROUND PANEL "MDP" PER NEC
② 2-5GTS 4-350MCM , 1#1 GROUND IN 3" CONDUIT
③ 4-600MCM, 1#3 GROUND IN 4" CONDUIT
④ 4-600MCM, 1#3 GROUND IN 4" CONDUIT
⑤ 4-3/0 MCM THHN, 1-#6 G IN 3" CONDUIT
⑥ 4-#1, 1#6 GROUND IN 1 1/2" CONDUIT
⑦ 4-#1, 1#6 GROUND IN 1 1/2" CONDUIT
⑧ 3-5GTS 4-600MCM IN 4" CONDUIT, PROVIDE 1-4" SPARE

ONE-LINE DIAGRAM
NTS

PANEL "MDP" (EXISTING)

120/208 3P 4W 1200A MLO N-3R SURFACE MOUNT 22K - AIC

Circuit No.	Description	Conductor Size	Volt Amps A	Volt Amps B	Volt Amps C	Breaker Size
1			58121			
3	PANEL "1DP" (FUTURE)	350 MCM		57450		3P 600A
5					59700	
7			41760			
9	PANEL "3DP"	600 MCM		41920		3P 400A
11					42440	
13						
15	SPACE					
17						
		Phase	99881	99370	102140	

Breaker Size	Volt Amps A	Volt Amps B	Volt Amps C	Conductor Size	Description	Circuit No.
	28071					2
3P 400A		25353		600MCM	PANEL "2DP" (EXISTING)	4
			22128			6
						8
					SPACE	10
						12
						14
					SPACE	16
						18
Phase	28071	25353	22128			
Phase Tot.	127952	124723	124268			
Total VA	376943					

PANEL "3DP"

120/208 3P 4W 600A MLO N-3R SURFACE MOUNT 22K - AIC

Circuit No.	Description	Conductor Size	Volt Amps A	Volt Amps B	Volt Amps C	Breaker Size
1			4840			
3	PANEL "3LP"	#1		5000		3P 125A
5					4560	
7			10000			
9	AHU-1	#3		10000		3P 100A
11					10000	
13			10000			
15	AHU-2	#3		10000		3P 100A
17					10000	
19			10000			
21	AHU-3	#3		10000		3P 100A
23					10000	
25			5000			
27	AHU-4	#8		5000		3P 50A
29					5000	
31	ERV	#12	1920			2P 20A
33				1920		
35	SPACE					
37	SPACE					
39	SPACE					
41	SPACE					
		Phase	41760	41920	39560	

Breaker Size	Volt Amps A	Volt Amps B	Volt Amps C	Conductor Size	Description	Circuit No.
					SPACE	2
					SPACE	4
1P 30A			2880	#10	WATER HEATER	6
3P 90A	8640					8
		8640		#3	CU-1	10
			8640			12
3P 90A	8640					14
		8640		#3	CU-2	16
			8640			18
3P 90A	8640					20
		8640		#3	CU-3	22
			8640			24
3P 35A	3360					26
		3360		#8	CU-4	28
			3360			30
					SPACE	32
					SPACE	34
					SPACE	36
					SPACE	38
					SPACE	40
					SPACE	42
Phase	0	0	2880			
Phase Tot.	41760	41920	42440			
Total VA	126120					

PANEL "3LP"

120/208 3P 4W 200A MLO N-3R SURFACE MOUNT 10K - AIC

Circuit No.	Description	Conductor Size	Volt Amps A	Volt Amps B	Volt Amps C	Breaker Size
1	RECEPTACLES	#12	1125			1P 20A
3	RECEPTACLES	#12		900		1P 20A
5	RECEPTACLES	#12			1125	1P 20A
7	LIGHTING	#12	1640			1P 20A
9	LIGHTING	#12		1600		1P 20A
11	LIGHTING	#12			1600	1P 20A
13	SPARE					
15	SPARE					
17	SPARE					
19	SPACE					
21	SPACE					
23	SPACE					
25	SPACE					
27	SPACE					
29	SPACE					
		Phase	2765	2500	2725	

Breaker Size	Volt Amps A	Volt Amps B	Volt Amps C	Conductor Size	Description	Circuit No.
1P 20A	1350			#12	RECEPTACLES	2
1P 20A		900		#12	RECEPTACLES	4
1P 20A			1125	#12	RECEPTACLES	6
1P 20A	725			#12	LIGHTING	8
1P 20A		1600		#12	LIGHTING	10
1P 20A			800	#12	LIGHTING	12
1P 20A					SPARE	14
1P 20A					SPARE	16
1P 20A					SPARE	18
1P 20A					SPACE	20
1P 20A					SPACE	22
1P 20A					SPACE	24
					SPACE	26
					SPACE	28
					SPACE	30
Phase	2075	2500	1925			
Phase Tot.	4840	5000	4650			
Total VA	14490					

LIGHTING FIXTURE SCHEDULE

TYPE	FACTORY	PART NUMBER	LAMPING
F1	COLUMBIA	LCAT24-40VLG-ED1U	LED
F1E	COLUMBIA	LCAT24-40VLG-ED1U-ELL14	LED
F1B	COLUMBIA	LCAT24-40MLG-ED1U	LED
F1BE	COLUMBIA	LCAT24-40MLG-ED1U-ELL14	LED
F2	LITON	LHALD625C071UE-D10/C260-J	LED
F2E	LITON	LHALD625C071UE-D10-EM2/C260-J	LED
F3	LITON	LHALD825C071UE-D10/C260-J	LED
F3E	LITON	LHALD825C071UE-D10-EM2/C260-J	LED
F4	JADEMAR	JSTRR4-18W-40K	LED
F5	COLUMBIA	CSL4-40404	LED
F6	COLUMBIA	CNW4-3540	LED
F7	HUBBEL	SG2-80-4K7-FT-UNV-?STD FINISH	LED
F7E	HUBBEL	SG2-80-4K7-FT-UNV-?STD FINISH-E	LED
F10	COLUMBIA	CHB2-40MH-FA-EDU	LED
F10E	COLUMBIA	CHB2-40MH-FA-EDU-ELL14	LED
EM	DUAL LITE	PG-?STD FINISH	LED
EX	COMPASS	CER	LED

project 5719C
date 6.18.20
revisions

[redacted]

Piazza Architecture Planning APAC
Mandeville Louisiana

~ Courtney Christian School Additions ~

Robin Hood Drive
Hammond, Louisiana

sheet
E04.2
of