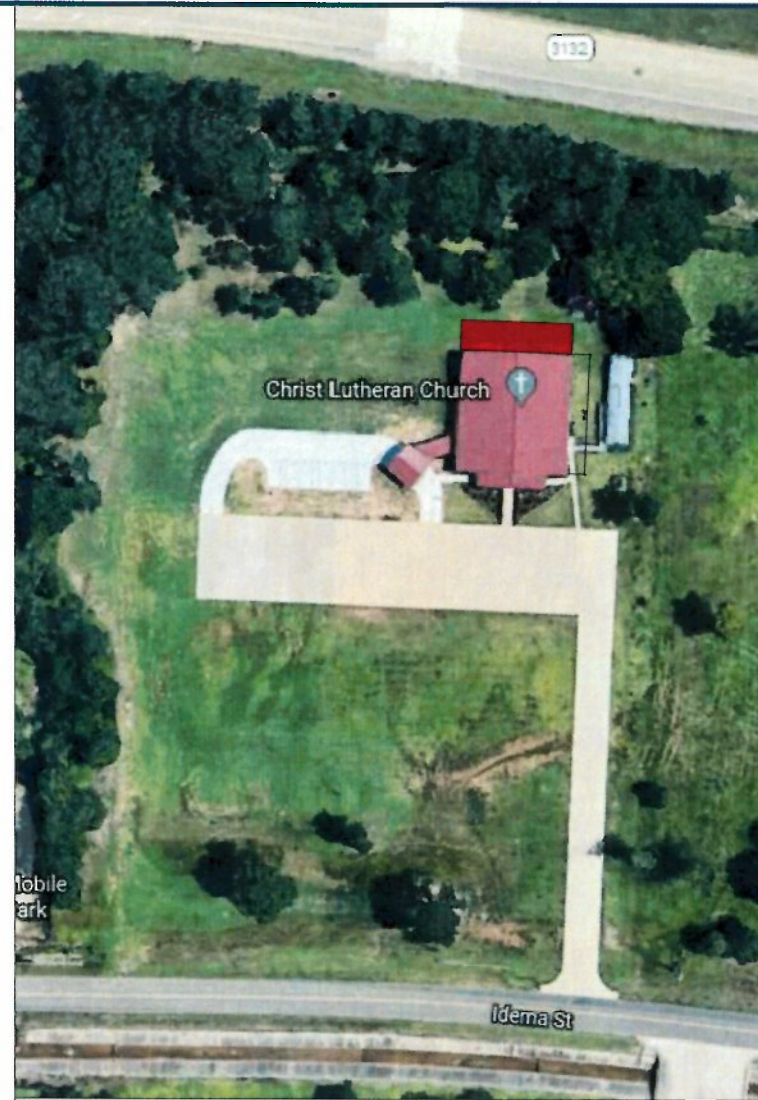


THIS DRAWING IS THE SAME DRAWING AS ORIGINALLY SUBMITTED AND APPROVED IN 2010 WITH THE ADDITIONAL PARKING, THE COVERED WALKWAY AND THE CANOPY MADE SINCE 2010. THE PROPOSED 2019 ADDITION IS ALSO NOTED.

THE SATELLITE VIEW FROM GOOGLE HAS BEEN REVISED TO SHOW THE SITE WITH THE 2019 ADDITION.

EXECUTIVE
DIRECTOR
APPROVAL

[Signature]
By
Date
2-24-2020



NOTES:

WATER AND SEWER LINES TO BE CONNECTED TO CITY SERVICE BY LICENSED CONTRACTOR PER LOCAL, STATE AND APPLICABLE FLOODING CODES.
PARKING, SIDEWALKS & ACCESS AT EXTERIOR DOORS WILL BE PER REQUIREMENTS OF ADA 28 CFR PART 36 AS OF JULY 1, 1994.
IF LOCAL CODES REQUIRE AN ADDITIONAL DOOR FOR EGRESS (PER NFPA LIFE SAFETY CODE) A 3'-0" SIDEWALK WILL BE PROVIDED FROM THE EXIT PAD TO THE PARKING AREA.
CURBS AT PERIMETER TO BE 6" x 6" UNLESS OTHERWISE NOTED.

NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

THE ORIGINAL CHURCH WAS CONSTRUCTED IN 2010. CURRENTLY THE CHURCH IS EXPANDING BY ADDING ANOTHER 20'X13' AREA ONTO THE EXISTING MAIN BUILDING.

AT THE TIME OF ORIGINAL CONSTRUCTION THE REQUIRED DETENTION VOLUME WAS 5,036.01 CU-FT WITH A MAXIMUM OUTFLOW OF 6.53 CFS FROM THE WEIR. SINCE THAT TIME A TRAILER WAS ADDED ALONG WITH A COVERED WALKWAY AND CANOPY. THE PARKING LOT WAS ALSO ENLARGED. THE TOTAL IMPERVIOUS AREA ADDED, INCLUDING THE 20X13, IS 3,313 SQ.-FT. OF ROOF AND 10,998 SQ.-FT. OF PARKING. USING THE SAME SPREADSHEET AS THE ORIGINAL CONSTRUCTION WITH THE REVISED IMPERVIOUS AREAS INCREASES THE REQUIRED VOLUME OF STORAGE TO 6,419.86 CU.-FT.

THE ORIGINAL DETENTION AREA BUILT IN 2010 INCLUDED 34,826.7 CU.-FT. OF VOLUME AND WAS SIZED TO ALLOW A MAXIMUM FLOW OF 6.53 CFS. AS THE REQUIRED DETENTION VOLUME IS UNDER THE AMOUNT OF VOLUME PROVIDED AND THE ORIGINAL DESIGN IS SIZED FOR THE ORIGINAL MAXIMUM FLOW THE PROPOSED CHANGES DO NOT REQUIRE ANY CHANGES TO THE EXISTING STORM DETENTION AREA.

JAMES A. SIDES, JR. P.E. 18483
11/9/2019



MECHANICAL & ELECTRICAL PORTIONS OF THIS PLAN IS INTENDED FOR LAYOUT PURPOSES ONLY. G.C. SHALL SUBMIT DETAILED SHOP DRAWINGS & SUBMITTALS THRU PLANNER FOR REVIEW BY THE LA. STATE FIRE MARSHAL PER THE LATEST EDITIONS OF THE NATIONAL ELECTRIC, ABOVE & NATIONAL PLUMBING CODES. COMPLY ALSO WITH A.D.A.G. (FEDERAL LAW) PLUS ALL APPLICABLE FEDERAL, STATE & LOCAL CODES AND/OR ORDINANCES. FIRE MARSHAL'S LETTER OF ACCEPTANCE IS HEREBY INCLUDED AS ADDENDA TO THESE DOCUMENTS. THAT, AND OTHER REVIEW LETTERS FROM AGENCIES HAVING JURISDICTION, ALONG WITH ERRORS & OMISSIONS NOTED ON PLANS SHALL BE PROMPTLY REPORTED TO PLANNER FOR CORRECTION PRIOR TO CONSTRUCTION START OR FINANCIAL AGREEMENT. ALL LABOR, MATERIALS AND WORKMANSHIP SHALL BE ACCEPTABLE TO AND IN THE SOLE DISCRETION OF THE PLANNER. SHOP DRAWINGS SHALL BE APPROVED PRIOR TO INSTALLATION.

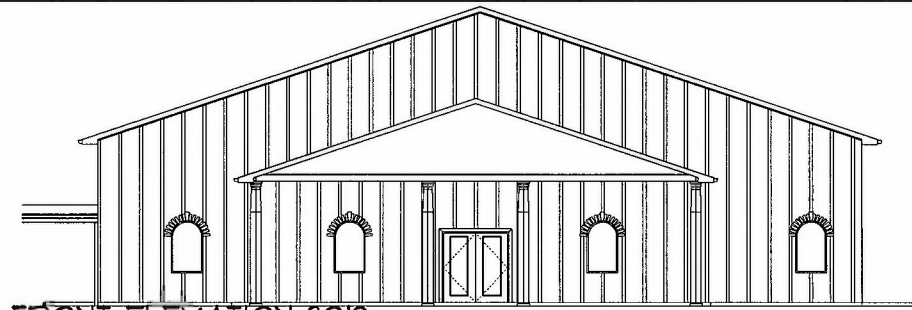
Sides Lines Consultants & Etc. SCALE: 1/4" = 1'
3850 Line Ave
Shreveport, LA 7106
PHONE: 318-422-9454 FAX:
EMAIL: james@sidesconsulting.net

SECTION LETTER APPROVED: 11/10/19 revised since 2010 changes since 2010
PAGE NUMBER 9-1

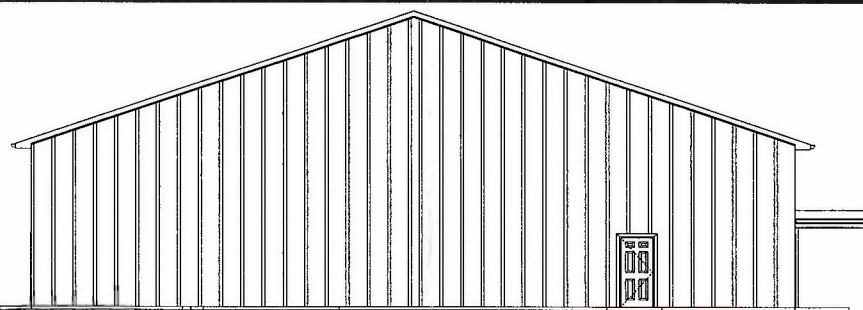
CHRIST LUTHERAN CHURCH
IDEMA STREET
Shreveport, LA

REV - 10

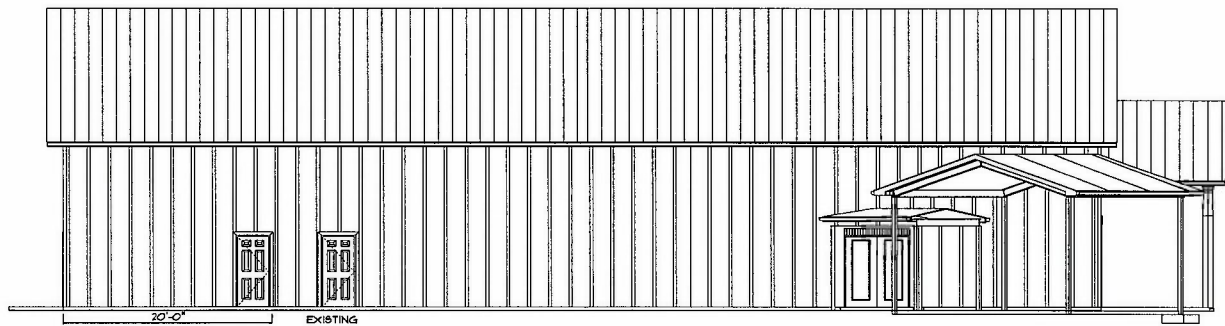
20-30-C



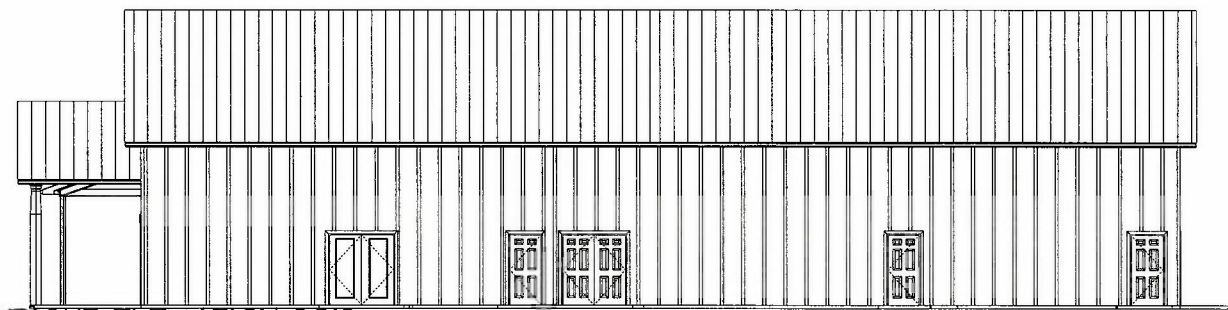
FRONT ELEVATION 2019
SCALE: 1/8" = 1'-0"



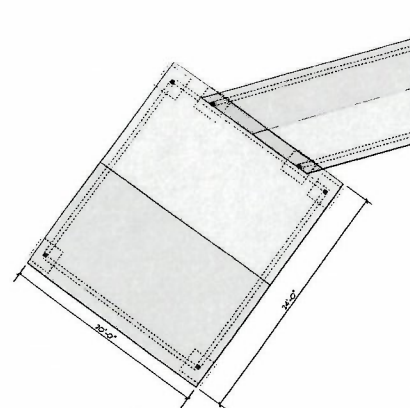
REAR ELEVATION 2019
SCALE: 1/8" = 1'-0"



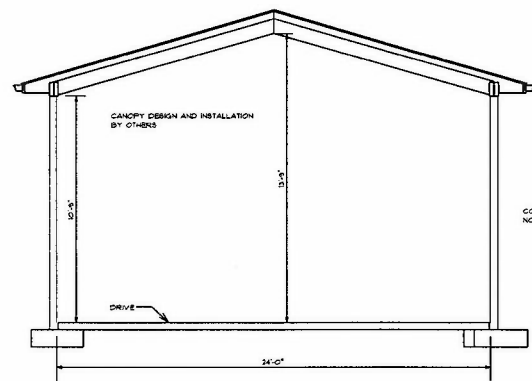
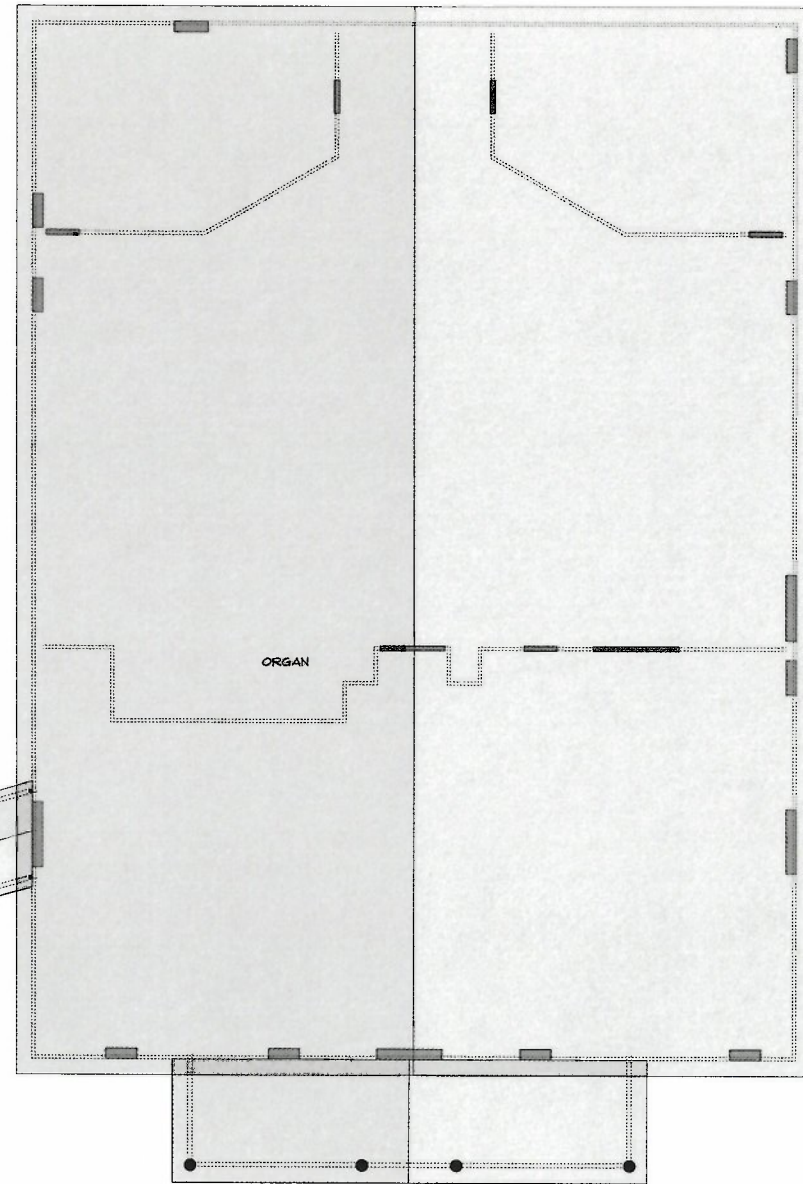
LEFT ELEVATION 2019
SCALE: 1/8" = 1'-0"



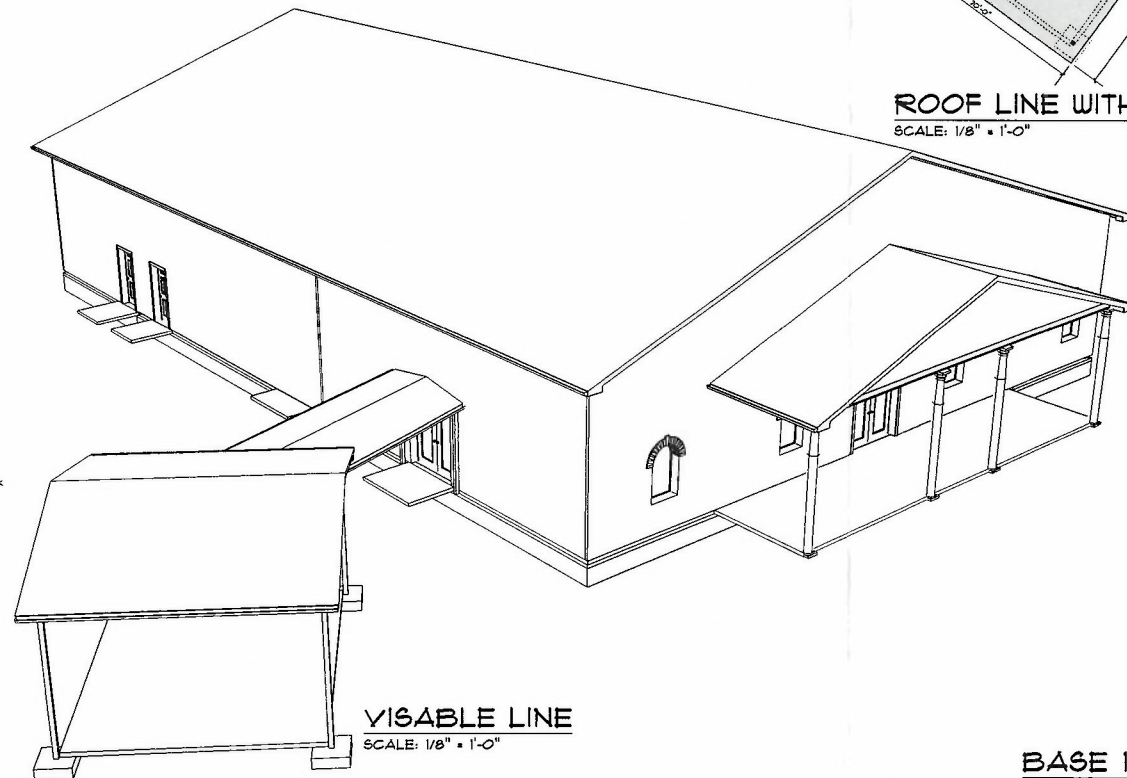
RIGHT ELEVATION 2019
SCALE: 1/8" = 1'-0"



ROOF LINE WITH CANOPY
SCALE: 1/8" = 1'-0"

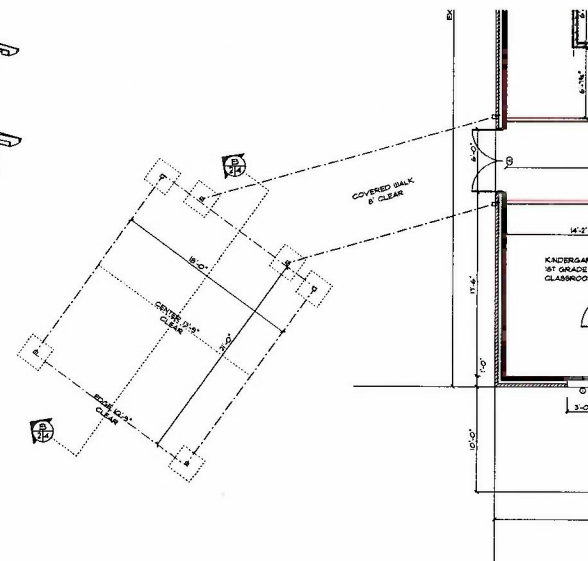


B-B
SCALE: 1/4" = 1'-0"



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

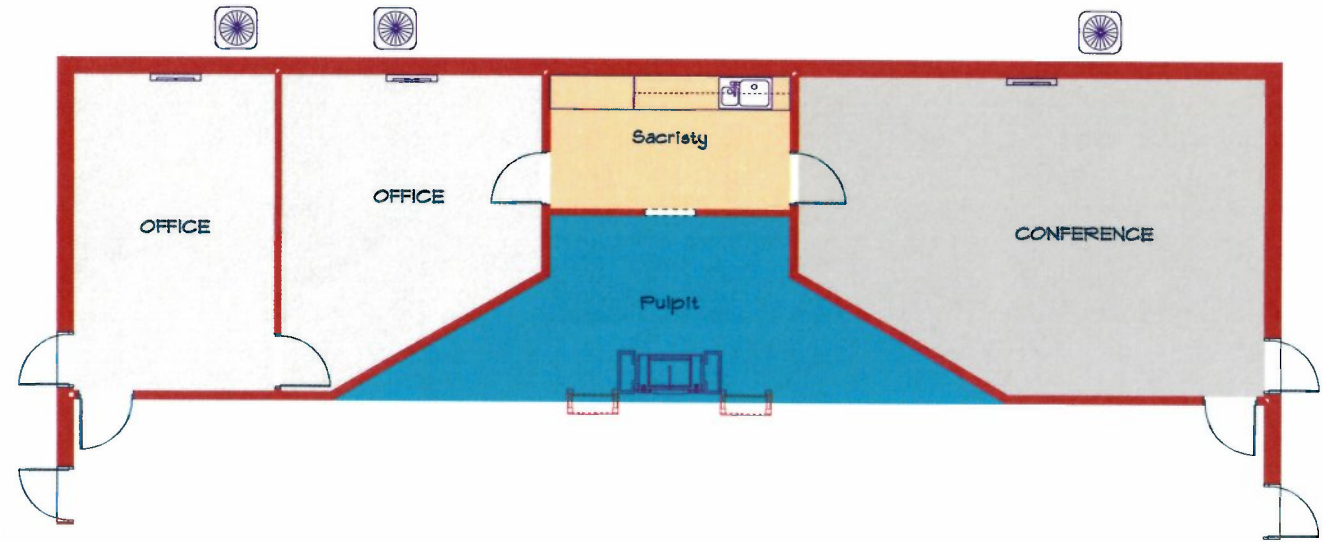
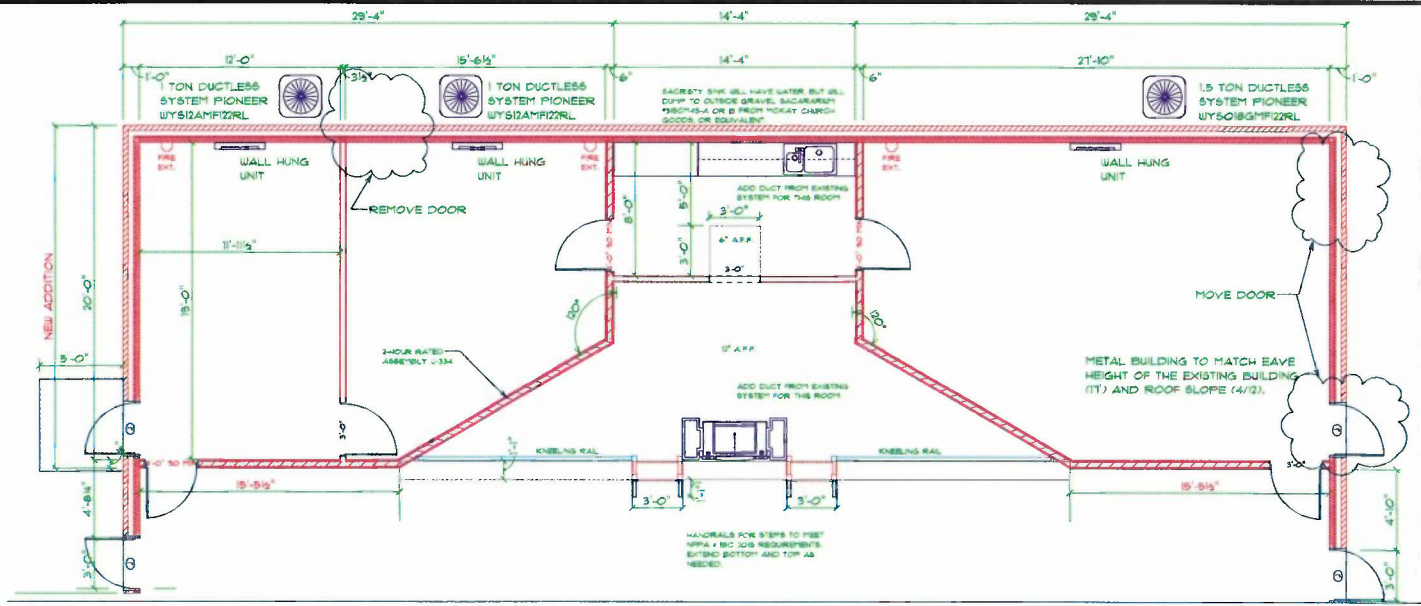
BASE 13
SCALE: 1/8" = 1'-0"



EXECUTIVE
DIRECTOR
APPROVAL
2-24-2020 By *[Signature]*
Date

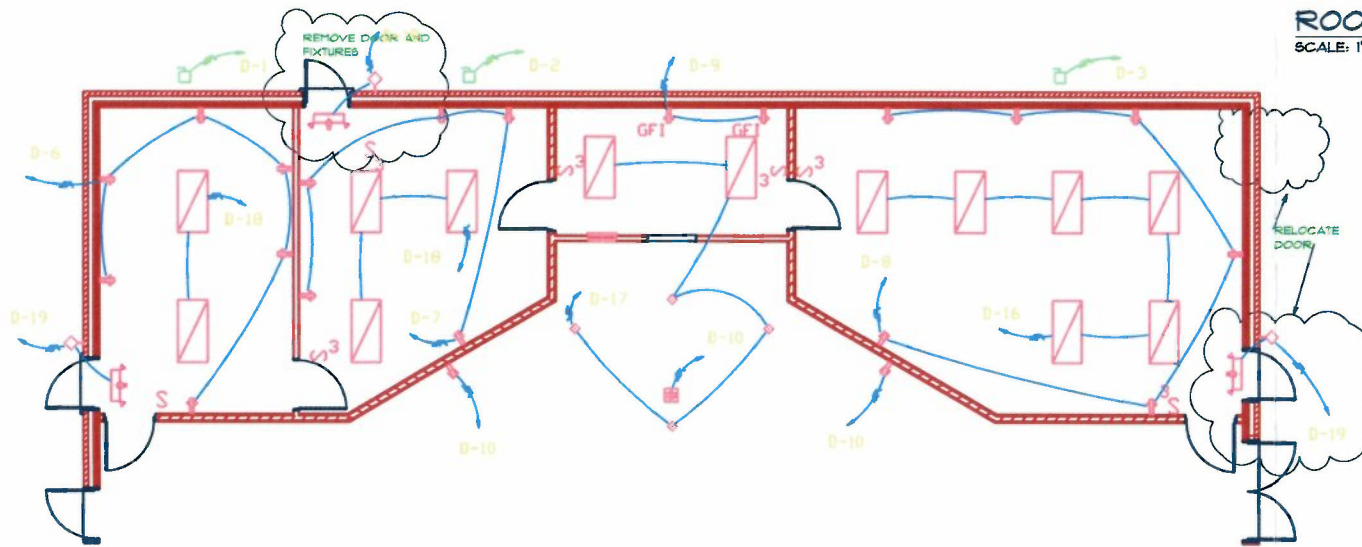
APPROVED:	CHECKED BY:	PAGE: 4/6
SECTION LETTER: A	PAGE NUMBERS: 1/1	A3
SCALE: As Noted	DRAWN BY:	DATE: Saturday, January 11, 2020
James A. Sides, Jr.	PHONE: 318-422-9454	
3850 Line Ave.	FAX:	
Shreveport	MOBILE:	
LA	james@sides@hellbouth.net	
71106		
SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE		
Christ Lutheran Church	PHONE: 318-210-3132	
Idema Street	FAX:	
Shreveport	MOBILE:	
LA	msiduch@aol.com	

20-30-C



HVAC
SCALE: 1" = 5'-0"

ROOM NAME	FLOORING	CEILING FINISH	CEILING MATERIAL	CEILING HEIGHT	WALLCOVERING	BASEBOARD	CHAIR RAIL	CROWN MOLD	COMMENT
OFFICE	Carpet 2	Tiled	Tiled	9' 11.375"	Paint 0	Baseboard/colonial	Chair Rail/Classic Cut	Crown Mold/American	
OFFICE	Carpet 2	Tiled	Tiled	9' 11.375"	Paint 0	Baseboard/colonial	Chair Rail/Classic Cut	Crown Mold/American	
CONFERENCE	Carpet 2	Tiled	Tiled	15' 11.375"	Paint 0	Baseboard/colonial	Chair Rail/Classic Cut	Crown Mold/American	
Pulpit	Carpet 1	Match Existing	Match Existing	Varies	Paint 1	Baseboard/colonial	Chair Rail/Classic Cut	Crown Mold/American	
Sacristy	Tile 1	Tiled	Tiled	9' 11.375"	Paint 1	Baseboard/colonial		Crown Mold/American	



ROOM/FINISH
SCALE: 1" = 5'-0"

PANEL		D							
VOLTAGE (LINE)		120							
PHASES		1 & 3 W							
MINIMUM BUS CAPACITY (A)		100 A							
MINIMUM G.E. SERVICE (A)		100 A							
ENCLOSURE TYPE		RECESSED							
RAC RATING		8000							
NOTES									
CMT NO	DESCRIPTION	TRIP	POLE	PHASE LOADS (VA)	POLE	TRIP	DESCRIPTION	CMT NO	
1	WIRC #1	30	2	2400	2400	30	WIRC #2	2	
1	WIRC #1	30	2	2400	2400	30	WIRC #2	2	
3	WIRC #3	30	2	2400	0	30	SPARE	4	
5	SPARE	30	2	0	1080	0	20	SPARE	6
8	SPARE	30	2	1080	600	0	20	SPARE	7
10	SPARE	20	1	0	0	540	0	20	SPARE
12	SPARE	20	1	0	0	0	0	20	SPARE
14	SPARE	20	1	0	0	0	0	20	SPARE
18	SPARE	20	1	300	180	250	250	20	SPARE
20	SPARE	20	1	0	0	0	0	20	SPARE
22	SPARE	20	1	0	0	0	0	20	SPARE
24	SPARE	20	1	0	0	0	0	20	SPARE
CONNECTED LOAD PHASE TOTALS (VA)				10440		8175			
Lighting		CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)		DEMAND LOAD (KVA)	
Receptacles (0 - 10 KW)		1.0		1.25		1.3		1.3	
		4.2		1.00		4.2		77.8	
TOTAL LOAD (AMPS)		5.5		5.5		5.5		5.5	
		21.7		22.8		22.8		22.8	

ELECTRICAL
SCALE: NOT TO SCALE

EXECUTIVE DIRECTOR APPROVAL

2-24-2020 *[Signature]*
Date By

UPON REVIEW OF THE DRAWINGS PRIOR TO SUBMITTING HIS PROPOSAL, THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL INFORM THE DESIGNER, OWNER AND/OR ENGINEER OF ANY DISCREPANCIES WITHIN THE DRAWINGS AND REQUEST CLARIFICATION CONCERNING THE DISCREPANCIES. LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS SHOULD SUCH PROCEDURE NOT BE FOLLOWED.

MECHANICAL, PLUMBING & ELECTRICAL PORTIONS OF THIS PLAN ARE INTENDED FOR LAYOUT PURPOSES ONLY. G.C. SHALL SUBMIT DETAILED SHOP DRAWINGS & SUBMITTALS THRU PLANNER FOR REVIEW BY THE L.A. STATE FIRE MARSHALL PER THE LATEST EDITIONS OF THE NATIONAL ELECTRIC, ASHVE & NATIONAL PLUMBING CODES. COMPLY ALSO WITH A.D.A.G. (FEDERAL LAW) PLUS ALL APPLICABLE FEDERAL, STATE & LOCAL CODES AND/OR ORDINANCES, FIRE MARSHAL'S LETTER OF ACCEPTANCE IS HEREWITH INCLUDED AS ADDENDA TO THESE DOCUMENTS, THAT AND OTHER REVIEW LETTERS FROM AGENCIES HAVING JURISDICTION, ALONG WITH ERRORS & OMISSIONS NOTED ON PLANS SHALL BE PROMPTLY REPORTED TO PLANNER FOR CORRECTION PRIOR TO CONSTRUCTION START OR FINANCIAL AGREEMENT. ALL LABOR, MATERIALS AND WORKMANSHIP SHALL BE ACCEPTABLE TO AND IN THE SOLE DISCRETION OF THE PLANNER. SHOP DRAWINGS SHALL BE APPROVED PRIOR TO INSTALLATION.

PAGE: 3/6

APPROVED: [Signature]

CHECKED BY: [Signature]

SCALE: As Noted

DRAWN BY: [Signature]

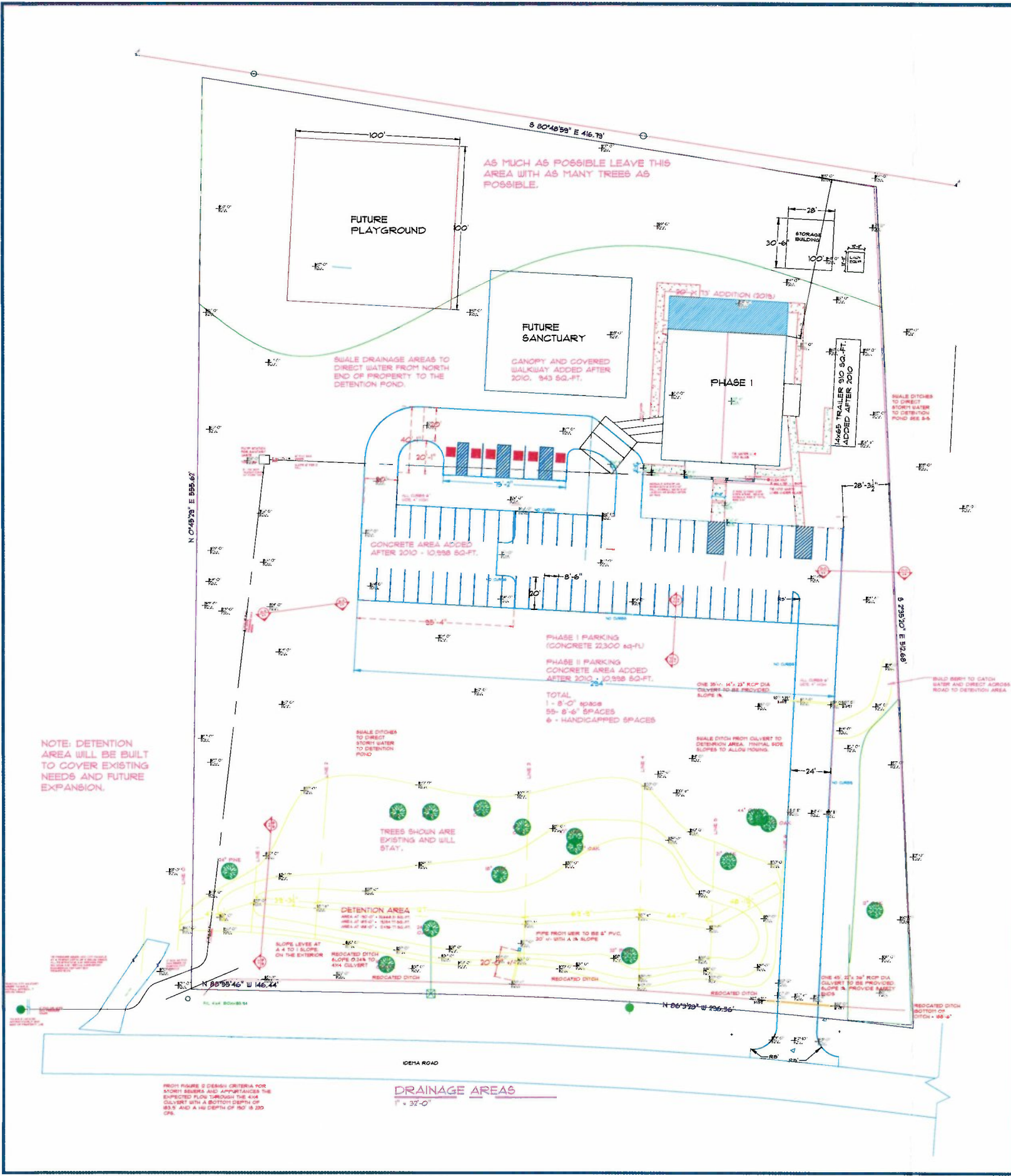
DATE: Wednesday, December 25, 2019

James A. Sides, Jr.
3850 Line Ave.
Shreveport LA 71106
PHONE: 318-422-9454
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MOBILE: jamesides@bellouth.net

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

Christ Lutheran Church
Idema Street
Shreveport LA
PHONE: 318-210-3182
FAX: [Blank]
MOBILE: [Blank]

20-30-C



STORMWATER DETENTION WORKSHEET
25-YEAR FREQUENCY STORM
(FOR SITES GREATER THAN 1/2 ACRE CITYWIDE)

Christ Lutheran Church EXISTING Area 2
NOTE: The entire area of property is 5.22 acres.

Christ Lutheran Church PROPOSED - INCLUDING CHANGES FROM 2010
NOTE: The entire area of property is 5.22 acres.

PROPOSED PROJECT: Christ Lutheran Church - REVISED WITH ADDITIONS TO 2019 BUILDING ADDITION

ADDRESS: Main Street

DRAINAGE BASIN: TOTAL AREA: 5.22 ac

TOTAL AREA IMPERVIOUS (EXIST): 0.00 TOTAL AREA IMPERVIOUS (PROPOSED): 0.88

EXISTING CONDITIONS (10 YR): RUNOFF COEFFICIENT (c): 0.25 TIME OF CONCENTRATION (TC): 17.00 min RAINFALL INTENSITY (i): 5.00 in/hr AREA (A in acres): 5.22 acres DISCHARGE (Q): 0.53 cfs

PROPOSED CONDITIONS (25 YR): RUNOFF COEFFICIENT (c): 0.42 TIME OF CONCENTRATION (TC): 6.00 min RAINFALL INTENSITY (i): 8.10 in/hr AREA (A in acres): 5.22 acres DISCHARGE (Q): 17.81 cfs

REQUIRED STORAGE VOLUME (MAX. 96 Rev): 6,497.22 Cu. Ft.

RAINFALL DURATION (min)	RAINFALL INTENSITY (in/hr)	PEAK RUNOFF RATE (cfs)	STORM VOLUME (Cu. Ft.)	RELEASE RATE (cfs)	STORAGE VOLUME (Cu. Ft.)
5	8.5	16.80	5,630.73	1,968.58	3,662.15
10	7.0	16.48	6,286.97	3,917.17	2,369.80
15	6.0	13.27	11,542.98	5,875.75	5,667.23
20	5.4	11.94	14,331.56	7,834.33	6,497.22
25	4.8	10.62	15,623.94	8,792.91	6,831.03
30	4.4	9.73	17,516.34	11,751.50	5,764.84
40	3.8	8.40	20,170.35	15,868.69	4,301.66
50	3.4	7.52	22,469.92	19,585.53	2,884.39
60	3.1	6.96	24,062.11	23,503.00	1,179.11

THIS DRAWING IS THE SAME DRAWING AS ORIGINALLY SUBMITTED AND APPROVED IN 2010 WITH THE ADDITIONAL PARKING, THE COVERED WALKWAY AND THE CANOPY MADE SINCE 2010. THE PROPOSED 2019 ADDITION IS ALSO NOTED.

THE ORIGINAL REQUIRED STORAGE VOLUME = 5036.07 CU-FT IN 2010. THE DETENTION VOLUME PROVIDED AT THAT TIME WAS 34,826.1 CU-FT. AS THE NEW REQUIREMENT OF 6,497.22 CU-FT IS LESS THAN WHAT WAS ORIGINALLY PROVIDED NO CHANGES TO THE EXISTING DETENTION AREA ARE PROPOSED.

EXECUTIVE DIRECTOR APPROVAL

Date: 2-24-2020 By: [Signature]

RECTANGULAR WEIR AT END TO ALLOW FLOW OF 6.53 CFS (2930 GPM) AT A HEAD OF 3'

$Q = 1495 \cdot H^{1.5} \cdot L$
 $2930 = 1495 \cdot 3^{1.5} \cdot L$
 $L = .38' = 4.5" \text{ WIDE}$

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Scale: 1/4" = 1'

Drawn By: JAS

Date: JUNE 20, 2010

Christ Lutheran Church
IDENA STREET
Shreveport, LA

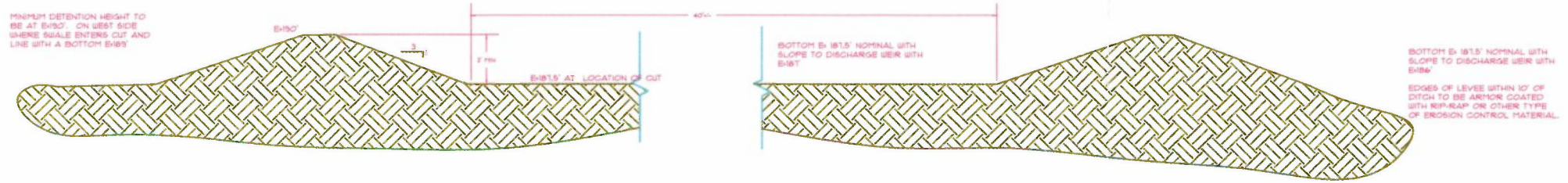
Sides Lines Consultants & Etc.
3850 Line Ave
Shreveport, LA 71106
PHONE: 318-427-9454 FAX: [blank]
EMAIL: jmas@slcshreveport.net

SECTION LETTER: A
PAGE NUMBER: 6-4

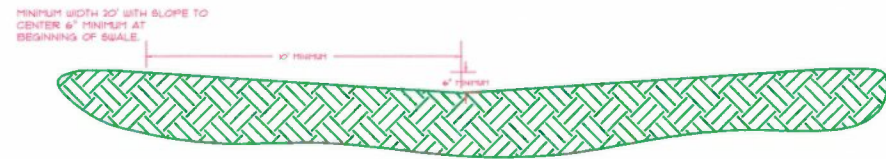
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REVISED: [Signature]

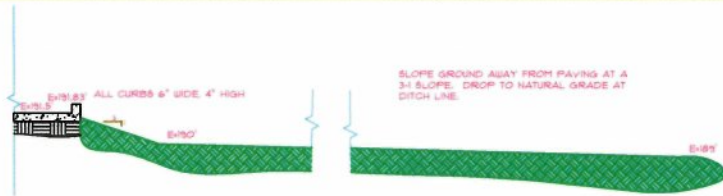
20-30-C



B-B TYPICAL CUT AT LARGE DETENTION AREA
NO SCALE



A-A TYPICAL SWALE
NO SCALE



C-C GRASS AREA
NO SCALE



D-D TYP SWALE EAST SIDE
NO SCALE

EXECUTIVE
DIRECTOR
APPROVAL

2.24.2020
Date

James A. Sides, Jr.
By



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APPROVED:	SECTION LETTER	SCALE: 1/4" = 1'	STATUS: Sides Lines Consultants & Etc.
REVISID:	PAGE NUMBER	DRAWN BY: JAS	3880 Line Ave Shreveport, LA 7106 PHONE: 318-422-9454 FAX: EMAIL: james@sidesllc.com
		DATE: JUNE 20, 2010	
			CHRIST LUTHERAN CHURCH IDENA STREET Shreveport, LA