



# ST. BERNARD

## PARISH SCHOOL DISTRICT

*VISION... EFFORT... SUCCESS!*

# LA

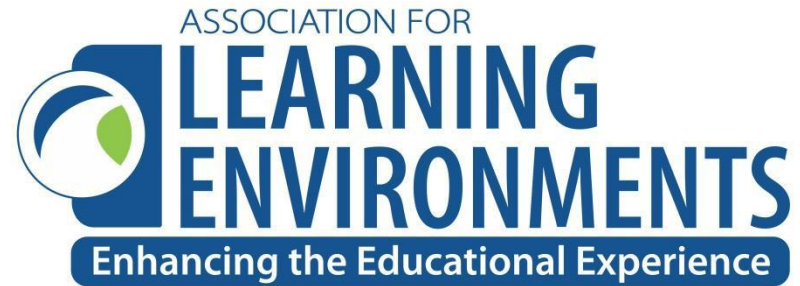
**LACHIN Architects, *apc***

Architecture . Planning . Project Management  
5190 Canal Boulevard, Suite 201  
New Orleans, LA 70124





# What is *A4LE*?



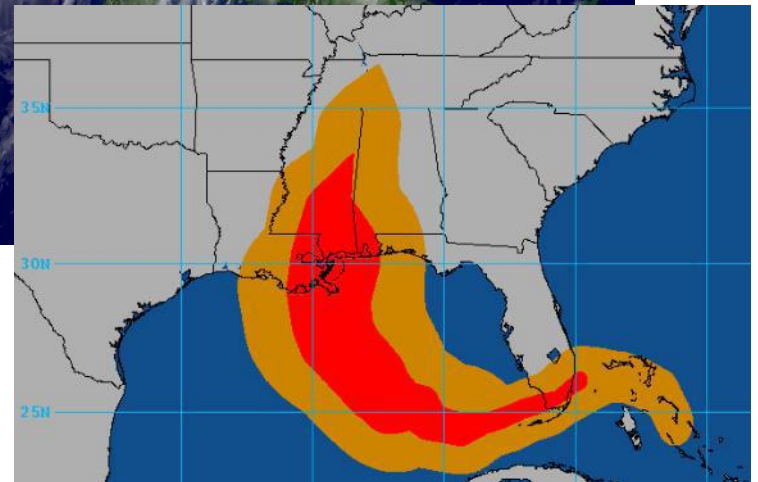
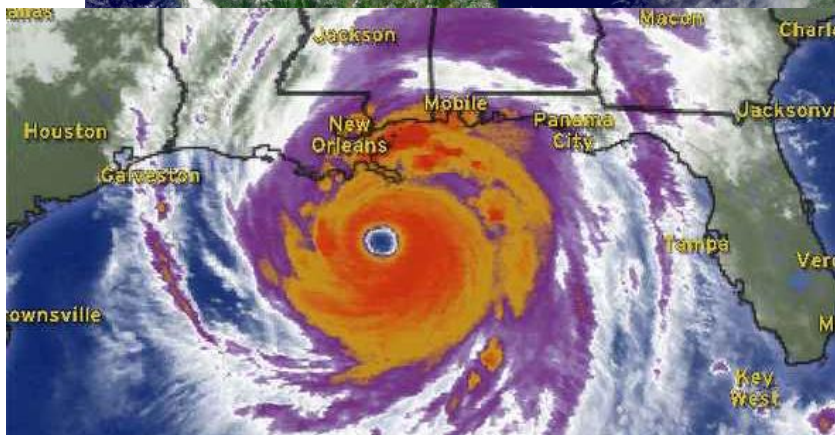
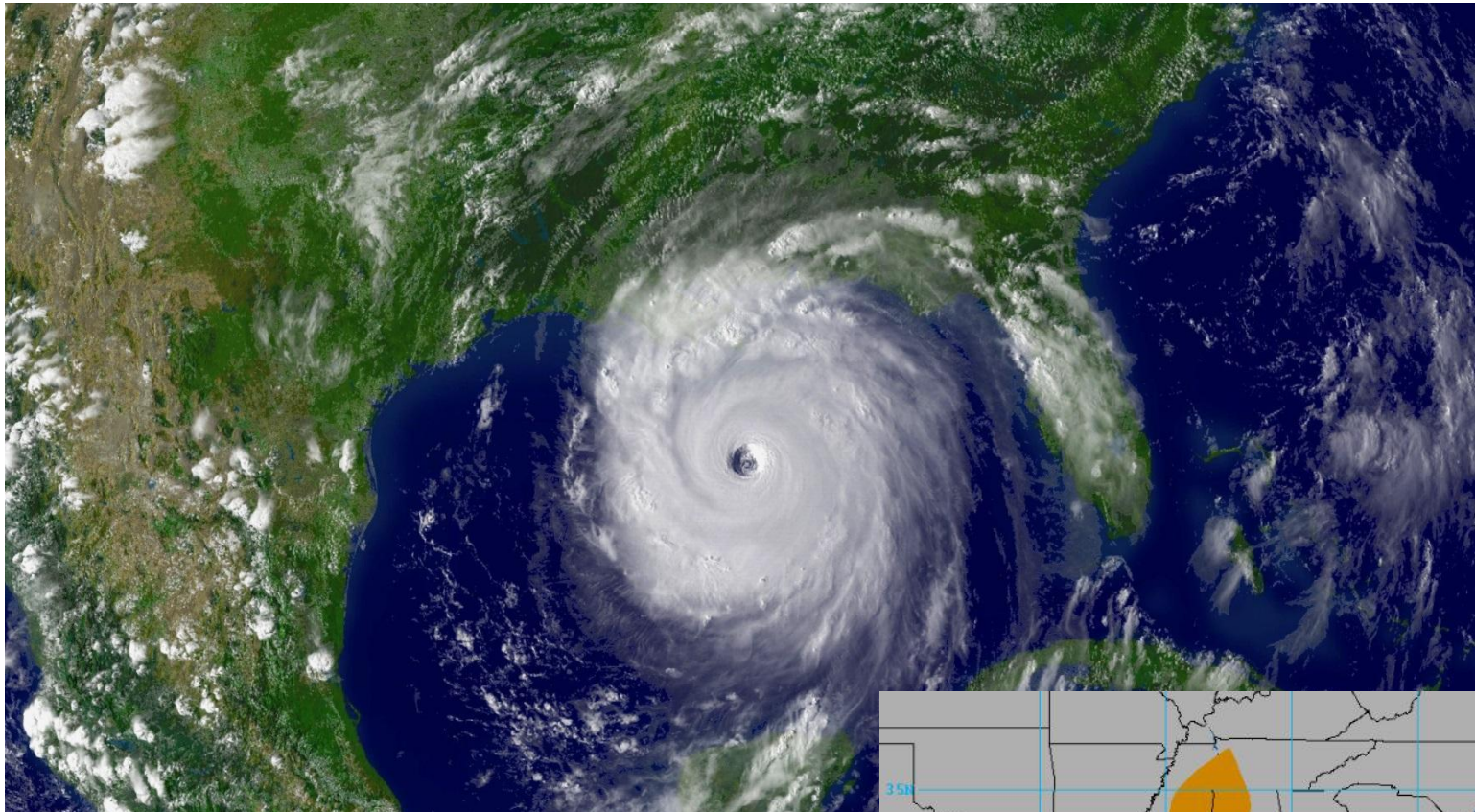
- Association For Learning Environments
- Formerly the Council of Educational Facility Planners International (CEFPI)
- Established in 1921 as the National Council on Schoolhouse Construction
- Today is a Professional, Internationally Recognized 501 (c)(3) Non-Profit
- Diverse Community of more than 4,000 Professionals Worldwide involved in School Planning, Development, Construction and Maintenance
- Primary focus on improving the Places where Children Learn
- Publications & Programs with Current Industry Standards
- Annual Regional Meetings & Exhibits
- Industry Recognition as an Experienced & Knowledgeable Professional Organization
- Best Practices in Education & Community Links Around the World
- Professional Development Opportunities – CEU's
- Access to Information & Resources to Compete in Today's Market

# Learning Objectives

- Describe the devastating effects of flood damage
- Navigate through FEMA and the Federal Funding Process “Speaking the language”
- Analyze the challenges of Renovation vs New Construction
- Describe the process for complete reconstruction of a fully and continuously occupied campus while preserving the integrity of the high school experience.
- Apply strategies to protect critical building components from future flooding
- Describe how tactical changes to existing building components can significantly increase energy efficiency.
- Identify the key issues in balancing the preservation of historic features with the demands of future realized educational spaces, technologies, and energy efficiency.



# Devastating Effects of Flood Damage and Navigating Through the FEMA Funding Process

















































We made it  
through something  
that "only happens in  
movies" and for this we  
are courageous. This storm  
took everything but that.  
- Charlie  
&  
Chapatti

Heard Katrina

Bobby

Sally

Hurricane Katrina

Dur Family

Golden Retriever (Hunter)

Golden Retriever (Sasha)

Chocolate Lab (Jake)

Begonia (Little Bit)

Pit Bull (Blackwhisker) (mya)

Pit Bull puppy (Dice)

mya

Black Lab (Set) puppy

No place like home

We made it through something

Hear You Me-Simmer Eat World

There's no one in town I know.  
You gave them somewhere to go.  
I never said thank u for that.  
Now I'll never have a chance.  
Let angels lead you in. Hear you're my friend.  
On sleepless roads the sleepless go.  
Let angels lead you in. Hear you're my friend.  
What would u think of me now,  
so lucky so strong, so proud.  
I never said thank you for that.  
Now I'll never have a chance.  
Let angels lead you in. Hear you're my friend.  
On sleepless roads the sleepless go.  
Let angels lead you in.  
And if u were with me tonight, I'd sing  
to u one more time.  
A song for a heart so big God couldn't let  
it live. Let angels lead you in. Hear you're  
my friend. On sleepless roads the sleepless go.  
Let Angels Lead you In!

(This song is in memory for those who didn't survive Katrina.)

Simple Plan-  
"How could this  
happen to me. I made  
my mistakes, but not in  
it all. Now I'm crying  
as I'm fading  
away I'm sick of  
this place. ~~How can~~  
I wanna go home.  
How can this  
happen to me."

Hear You Me-Simmer Eat World

There's no one in town I know.  
You gave them somewhere to go.  
I never said thank u for that.  
Now I'll never have a chance.  
Let angels lead you in. Hear you're my friend.  
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# Renovate vs. Replace















# New and Existing Area Tabulations

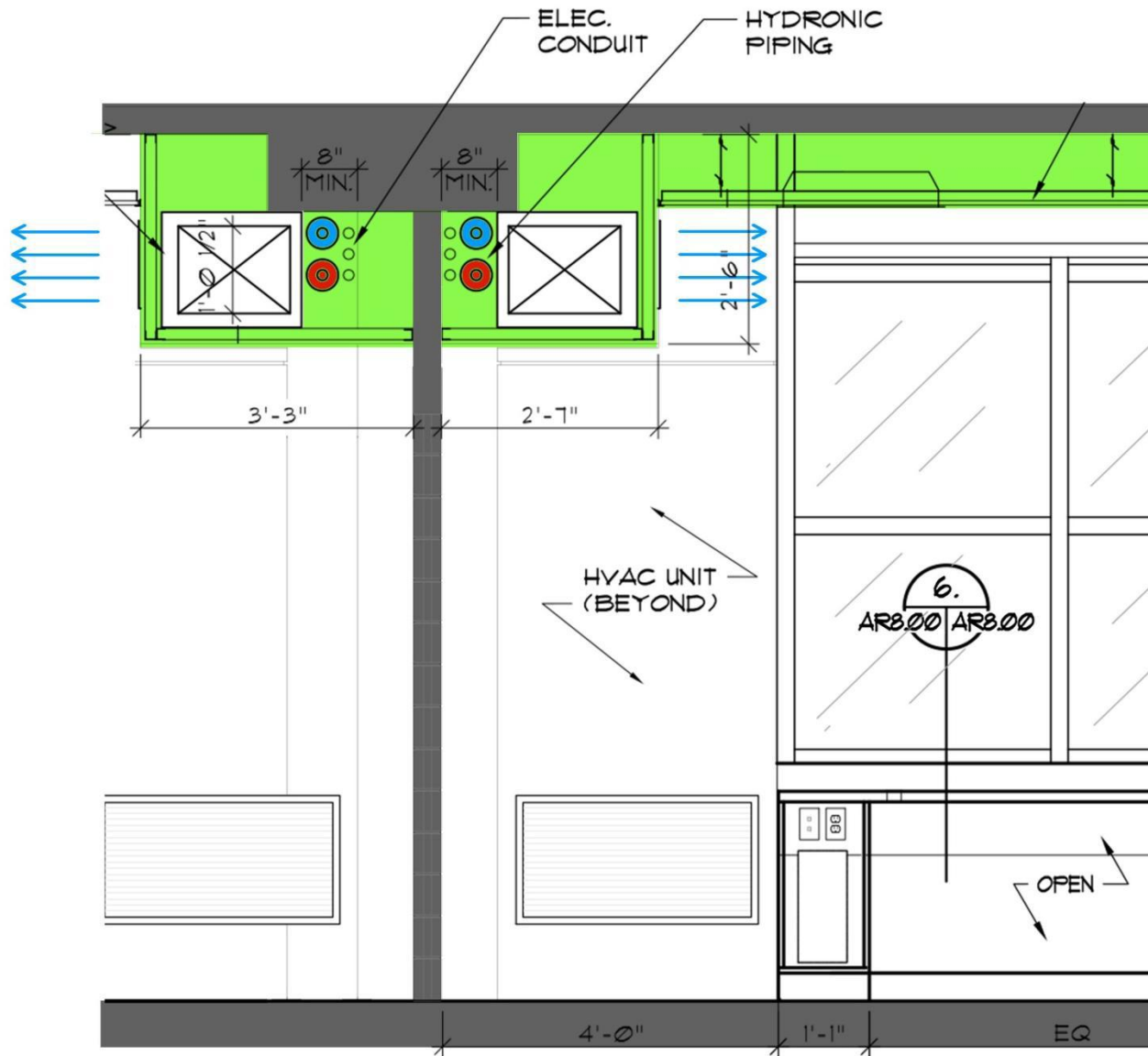
Existing Classrooms:	53
New Classrooms Renovated:	10
<u>New Classrooms:</u>	<u>19</u>
Total Classrooms:	82

Existing Campus Building Area:	167,160 S.F. Gross
Total New Construction:	60,700 S.F. Gross
<b>(Including Administration &amp; Circulation)</b>	

Total Revised Campus Area:	209, 570 S.F. Gross
<b>(Less Original Band/Shop &amp; Cafeteria Buildings 18,900 S.F.)</b>	







# Preserving the High School Experience during Construction



# Academic Facilities

- Science Labs (7)
- Mathematics and Computer Labs (6)
- Performing Arts
  - Small Black Box Theater
  - Performing Arts Center Theater
  - Band
- Television Broadcast Studio
- Home Economics / Commercial Culinary Arts
- Industrial Arts

# Educational Programs:

- College Preparatory
- Career Pathways
  - Information Technologies
  - Manufacturing Construction Crafts and Logistics
  - Health Sciences
  - Business Management
  - Entertainment Technologies and Digital Media
  - Hospitality, Tourism, Culinary and Retail

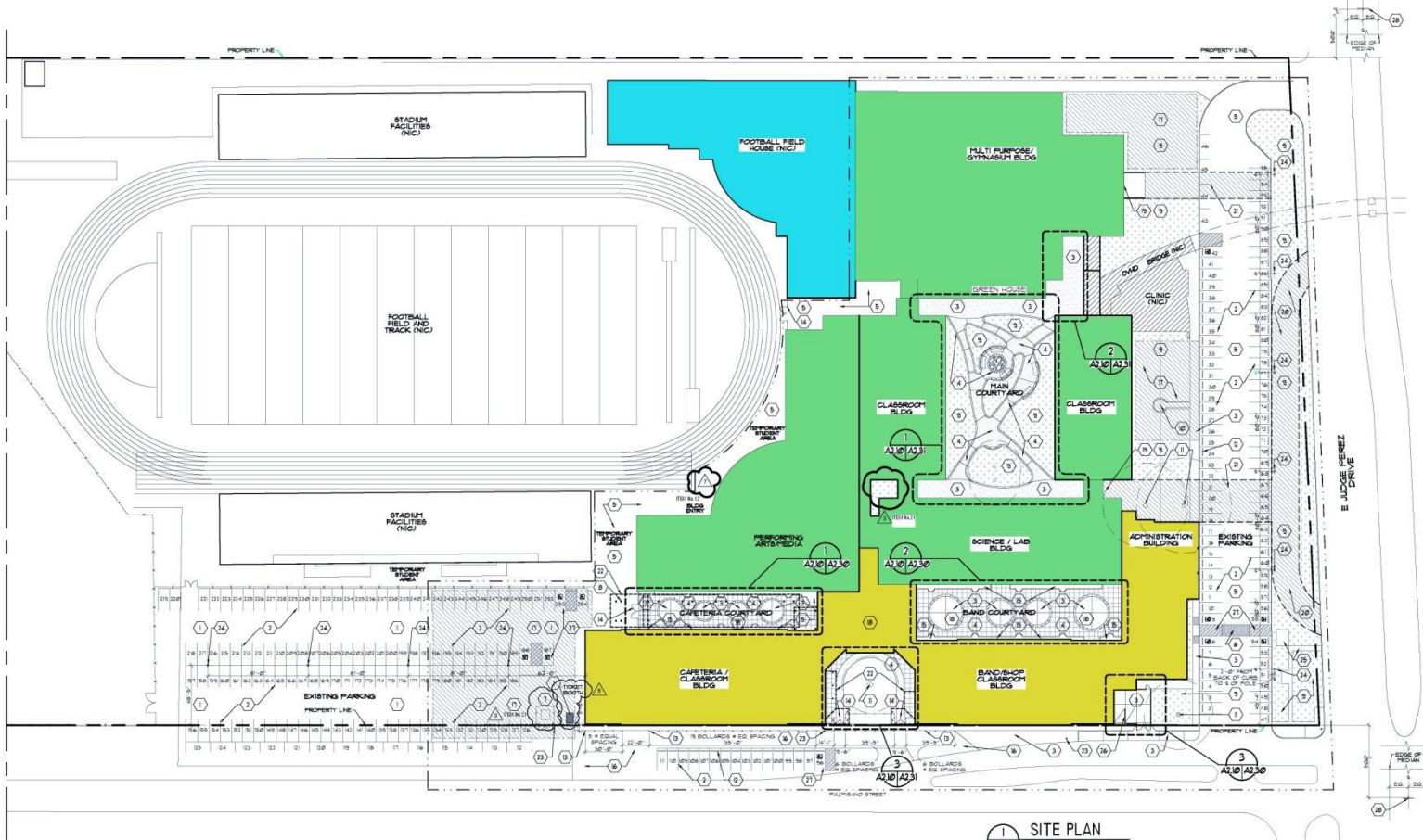


# Athletic Facilities

- Gymnasiums (3)
- Football Field house
- Baseball Field house
- Natatorium
- Football Field
- Baseball Field
- Softball Field
- Tennis courts (4)







**SITE PLAN**  
SCALE: 1" = 40'-0"

#### SITE PLAN GENERAL NOTES

- THE SCOPE OF WORK INCLUDES THE DEMOLITION AND REMOVAL OF AREAS INDICATED ON THE DOCUMENTS. THE CONTRACTOR SHALL MAKE A COMPREHENSIVE REVIEW OF SITE CONDITIONS PRIOR TO BEGINNING THE SCOPE OF WORK IN AREAS OF SITE DEMOLITION AND REMOVAL. SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
  - THE LOCATION OF BACKFILL MATERIAL IN AREAS WHERE FOUNDATIONS, PAVING, PUMPING, ELECTRICAL OR ANY OTHER SUBSURFACE SITE FEATURES ARE REMOVED.
  - PROTECTION OF ALL EXISTING SITE FEATURES AND TREES UNLESS OTHERWISE NOTED.
  - PAVEMENT AND CONCRETE SIDEWALKS DAMAGED BEYOND REPAIR OR REMOVED IN ORDER TO ENABLE THE WORK TO PROCEED SHALL BE REPLACED TO THE NEXT EXPANSION JOINT.
  - CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD IMMEDIATELY UPON THE FINDING OF ANY UNKNOWN CONDITIONS DURING CONSTRUCTION.
  - CONTRACTOR SHALL PERFORM VIDEO AND/OR PHOTO DOCUMENTATION OF THE EXISTING SITE CONDITIONS AS WELL AS THE EXISTING PROPERTIES ADJACENT TO THE SITE. ANY DAMAGE CAUSED BY WORK UNDER THIS CONTRACT TO EXISTING SITE FEATURES, ON OR OFF THE PROPERTY THAT ARE SCHEDULED TO REMAIN SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- WHEN THE SCOPE OF THE DEMOLITION AND SITE WORK IS COMPLETE, THE SITE SHALL BE COMPLETELY DEVOID OF ALL SITE FEATURES EXCEPT THOSE NOTED TO REMAIN. BACKFILL SHALL BE PLACED AND FINISH CONTROL INSTALLED, GRADE TO DRAIN TO THE STREET UNLESS OTHERWISE NOTED.

#### SITE PLAN KEY NOTES (X)

- EXISTING DRIVEWAY PAVING, PROTECT FROM DAMAGE.
- RE-STRIPE PARKING AREAS THROUGHOUT. REFER TO DETAIL A2/20.
- SIDEWALK PAVING.
- PATTERNED SIDEWALK PAVING, SEE ENLARGED COURTYARD PLANS.
- REPLACE PAVING AND SIDEWALKS THIS AREA.
- TACTILE WARNING SURFACE.
- TRANSPARENCY, REFER TO DETAIL B4/20 FOR WOOD FENCING DETAILS.
- OVERHEAD CANOPY COLUMN (TYP).
- SECOND AREA, DO NOT ENTER AREA BETWEEN E. JUDGE PEREZ DRIVE AND CAMPUS BUILDINGS UNLESS NOTED OTHERWISE.
- FLAGPOLE.
- EXISTING TREE, PROTECT FROM DAMAGE.
- CONCRETE SIDEWALK, REFER TO DETAIL A2/20.
- CONCRETE SIDEWALK, REFER TO DETAIL A2/20.
- DECORATIVE FENCING SEE DETAIL.
- PLANTING AREA, SEE ENLARGED SITE PLANS.
- DRIVEWAY PAVING.
- PROPOSED CONTRACTOR STAGING AREA.

- EXISTING LANDSCAPING TO BE REMOVED, STORED AND REINSTALLED.
- TEMPORARY ENTRANCE THROUGH NEW DOORS AT LINK FROM BUILDING E TO BUILDING G.
- TEMPORARY BUS LANE AND DROP-OFF.
- TEMPORARY WALKWAY FROM TEMPORARY BUS DROP-OFF.
- COURTYARD CANOPY.
- UTILITY POLES BY EXTENT.
- LIGHT POLE.
- EXISTING SIGN AND SIDEWALK PAVING PROTECT FROM DAMAGE.
- MASONRY FENCE, REFER TO DETAIL B4/20 AND A2/20.
- ACCESSIBLE PARKING, REFER TO DETAIL A2/20.
- SOLAR POWERED, BATTERY OPERATED, SCHOOL ZONE SIGN, COORDINATE WITH CDD.

#### LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
- EXISTING RENOVATED CONSTRUCTION
- TEMPORARY ENTRANCE AND BUS DROP
- LIMITS OF CONTRACTOR SITE ACCESS



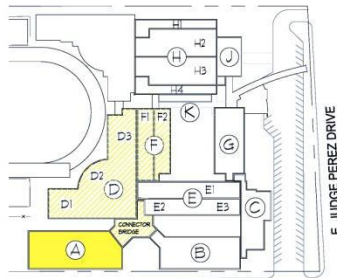
- KEY PLAN** FULLY SIGNED STREET
- A. CAFETERIA-CLASSROOM BLDG
  - B. BAND-SHOP-CLASSROOM BLDG
  - C. ADMINISTRATION BLDG
  - D. PERFORM. ARTS-MULTI MEDIA BLDG
  - E. SCIENCE LAB-CLASSROOM BLDG
  - F. CLASSROOM BLDG
  - G. CLASSROOM BLDG
  - H. MULTIPURPOSE BLDG
  - I. MULTIPURPOSE BLDG ENTRY
  - J. MAIN COURTYARD L. BLDG ENTRY

**LACHIN OUBRE & Associates**  
ARCHITECTS PLANNERS  
PROJECT MANAGERS  
A PROFESSIONAL CORPORATION  
JANET W. OUBRE, State of Louisiana, License No. 10000  
PH: 504-835-5813

**CHALMETTE HIGH SCHOOL RENOVATIONS AND ADDITIONS**  
**ST. BERNARD PARISH SCHOOL BOARD**  
1100 EAST JUDGE PEREZ DRIVE  
CHALMETTE, LOUISIANA

**SITE PLAN**  
PROJECT NO.: 2008  
DATE: 01/11/11  
DRAWN BY: J. OUBRE  
CHECKED BY: J. OUBRE  
DATE: 01/11/11  
SCALE: 1" = 40'-0"

**A2.10**



PALMISANO STREET

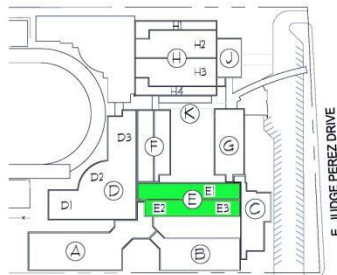
### PHASE IA KEYNOTES

JANUARY 2012 - APRIL 2013

1. RELOCATE (RAISE) POWER LINES ALONG PALMISANO (BY OTHERS)
2. RELOCATE SHOP, BAND & LIBRARY (BY OTHERS)
3. DEMO BAND/SHOP BUILDING
4. DEVELOP TEMP ENTRY, ACCESS, AND STUDENT OUTDOOR SPACES AT FOOTBALL SIDE OF BUILDINGS
5. MAINTAIN ALL EXISTING UTILITIES TO CAMPUS UNTIL NEW UTILITIES ARE AVAILABLE
6. CONSTRUCT NEW PHYSICAL PLANT, EXTEND UTILITIES TO POINTS OF CONNECTION WITHIN EXISTING FACILITIES
7. RELOCATE LIBRARY FROM GROUND FLOOR TO 9TH GRADE CAMPUS
8. CONSTRUCT NEW CAFETERIA/CLASSROOM BUILDING
9. BUILD OUT NEW CLASSROOMS IN OLD LIBRARY SPACE D1
10. RENOVATE GROUND FLOOR CLASSROOMS AT SOUTH OF OCC (D-3) AND INTERIOR CLASSROOMS AT ORIGINAL SOUTH CLASSROOM WING (F-1), 1ST FLOOR

### PHASE IB KEYNOTES

1. CONSTRUCT NEW CONNECTOR BUILDING

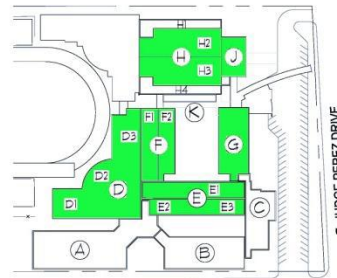


PALMISANO STREET

### PHASE IC KEYNOTES

JULY 2013 - FEBRUARY 2014

1. PROVIDE PROTECTED PASSAGE THRU BUILDING (E) RE-ROOF BUILDING (E), WINDOW WALLS (E)
2. RELOCATE STUDENTS FROM WEST SIDE OF (E), RENOVATE HOME EC AND BUILD OUT NEW LABS
  - a. WINDOW WALLS WEST E
3. RELOCATE STUDENTS FROM EAST SIDE OF (E), AND RENOVATE EXISTING SCIENCE LABS
  - a. WINDOW WALLS EAST E
4. RELOCATE ADMIN. TEMPORARILY INTO ROOM 119 SUITE

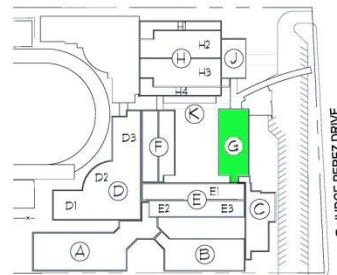


PALMISANO STREET

### PHASE II KEYNOTES

JANUARY 2012 - OCTOBER 2014

NOTE: PHASE II WORK MAY OVERLAP PHASE I & III  
REFER TO PHASES 2, 2A, 2C, 2D, 2E, AND 3

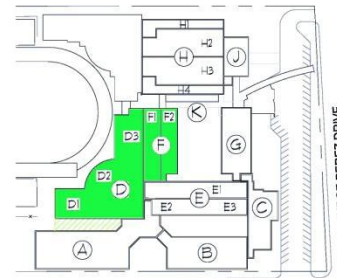


PALMISANO STREET

### PHASE IID KEYNOTES

MAY 2014 - SEPTEMBER 2014

1. RENOVATE CLASSROOMS (G)
2. RE-ROOF, WINDOW WALLS (G)

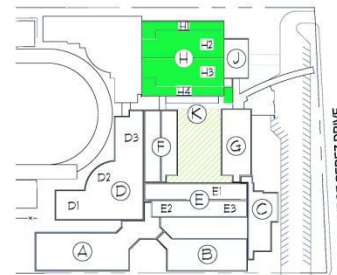


PALMISANO STREET

### PHASE IIA KEYNOTES

JANUARY 2012 - JULY 2012

1. RE-ROOF BUILDINGS D & F
2. RELOCATE STUDENTS FROM 2ND FLOOR OF OCC, AND F-1 INTERIOR CLASSROOMS D & F 1ST FLOOR
3. RENOVATE STUDIO, THEATER & LECTURE HALL AT D2 & D3, 2ND FLOOR
4. RENOVATE 2ND FLOOR CLASSROOMS AT F1 AND LIBRARY AT OCC (D), 2ND FLOOR
5. COMPLETE CANOPIES & COURTYARD BETWEEN CAFETERIA (C) AND OCC (D-1)

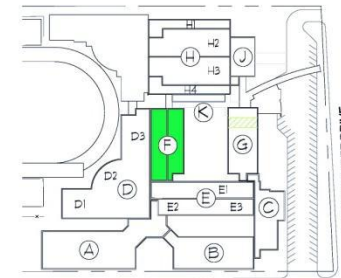


PALMISANO STREET

### PHASE IIE KEYNOTES

MARCH 2013 - JULY 2013

1. RENOVATE GYM LOCKER ROOMS
2. RE-ROOF, WINDOW WALLS (H)
3. RENOVATE LOBBY & CONCESSIONS (H)
4. ADD ADA LIFT
5. COURTYARD (K)
6. GYM ENTRY J
7. MOVE INTO NEW CAFE BUILDING
8. DEMO EXISTING CAFE BUILDING, PHYSICAL PLANT
9. RELOCATE ADMIN, CREATE TEMP ENTRY BETWEEN C & G



PALMISANO STREET

### PHASE IIB KEYNOTES

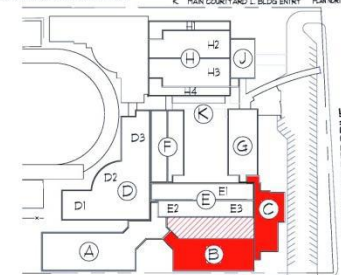
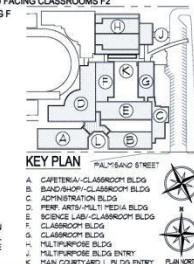
SEPTEMBER 2012 - APRIL 2013

1. DEVELOP ACCESS TO BUILDINGS (F) THRU CLASSROOMS (G)
2. RENOVATE 2ND FLOOR INTERIOR CLASSROOMS (F2) AND ALL COURTYARD FACING CLASSROOMS F2
3. WINDOW WALLS BLDG F

#### PHASING LEGEND

- PHASE 1A
- PHASE 1B
- PHASE 2
- PHASE 2A AND 2B
- PHASE 3
- PHASE 3
- OCC OLD COM. COLLEGE

THE DATES & DURATION IN SPECIFICATION SECTION 00 21 13.1 GOVERN THE CONCEPTUAL PHASING ON THIS SHEET. OWNER SHALL HAVE SOLE AUTHORITY TO AMEND SUCH PHASING



PALMISANO STREET

### PHASE III KEYNOTES

JULY 2013 - SEPTEMBER 2014

1. DEMO ADMIN AREA
2. CONSTRUCT NEW BS/CLASSROOM BUILDING (B)
3. CONSTRUCT NEW ADDITIONS, RENOVATE ADMIN (C)
4. BUILD OUT COURTYARD AT (E) & (B)

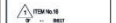


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A PROFESSIONAL CORPORATION  
200 West Esplanade, Suite 1000, Metairie, LA 70002  
PH: 504-885-8613

CHALMETTE HIGH SCHOOL RENOVATIONS  
AND ADDITIONS  
ST. BERNARD PARISH SCHOOL BOARD  
1100 EAST JUDGE PEREZ DRIVE  
CHALMETTE, LOUISIANA

PROJECT PHASING PLAN			
PROJECT NO.	0008	DATE	06/10/11
REV. NO.	01	DATE	10/06/11

**A1.22**







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## Chalmette High School Renovations and Additions 2806

Image # 120229 6300  
Date 02.29.12





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## Chalmette High School Renovations and Additions 2806

Image # 120702 6191  
Date 07.02.12





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## Chalmette High School Renovations and Additions 2806

Image # 130603 6179  
Date 06.03.13





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## Chalmette High School Renovations and Additions 2806

Image # 131203 6172  
Date 12.03.13





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## Chalmette High School Renovations and Additions 2806

Image # 140501 6040  
Date 05.01.14





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## Chalmette High School Renovations and Additions 2806

Image # 150308 6056  
Date 03.08.15





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## Chalmette High School Renovations and Additions 2806

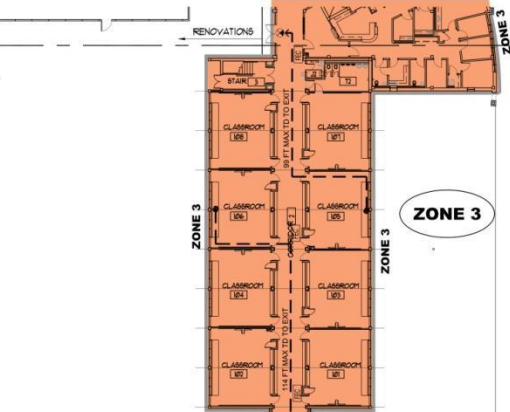
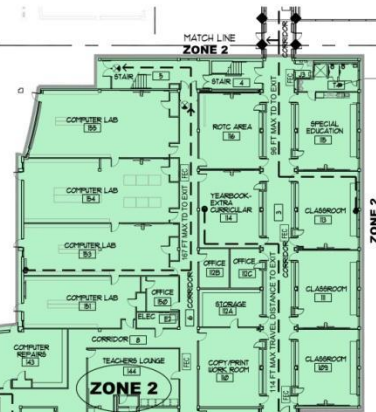
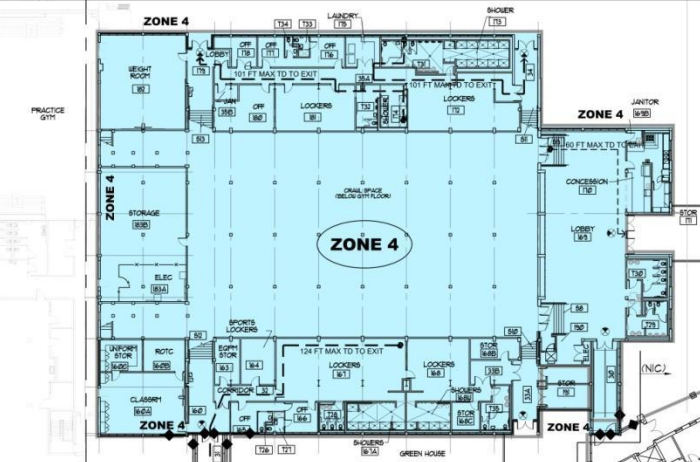
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Date 08.03.15

# The Design Process/Challenges



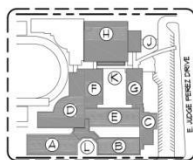
ATHLETIC FACILITIES (NIC)

RENOVATIONS



**Fire Separation Zones**  
MAXIMUM ALLOWABLE AREA / ZONE = 67,715

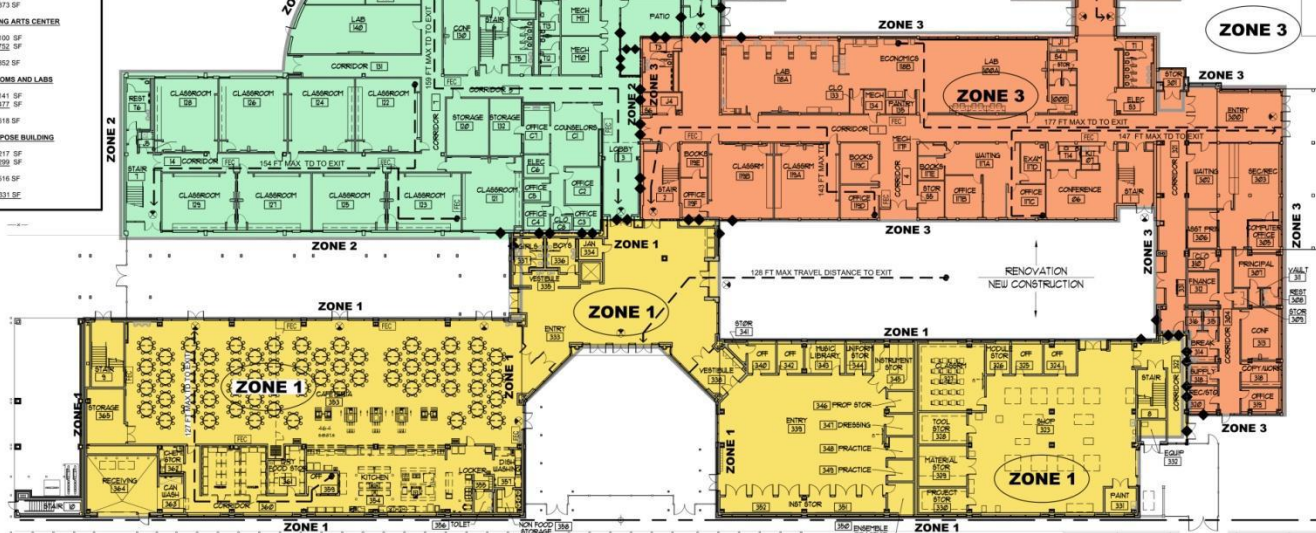
ZONE	NEW CLASSROOM CONSTRUCTION
FIRST FLOOR	32,196 SF
SECOND FLOOR	17,672 SF
TOTAL ZONE 1	49,873 SF
FIRST FLOOR	33,100 SF
SECOND FLOOR	32,728 SF
TOTAL ZONE 2	65,828 SF
FIRST FLOOR	30,141 SF
SECOND FLOOR	27,472 SF
TOTAL ZONE 3	57,613 SF
FIRST FLOOR	25,217 SF
SECOND FLOOR	28,282 SF
TOTAL ZONE 4	53,516 SF
TOTAL ALL ZONES	221,931 SF



- KEY PLAN**
- A. CAFETERIA-CLASSROOM BLDG
  - B. BAND-MUSIC-CLASSROOM BLDG
  - C. ADMINISTRATION BLDG
  - D. PHYS. ARTS-MULTI MEDIA BLDG
  - E. SCIENCE LABS-CLASSROOM BLDG
  - F. CLASSROOM BLDG
  - G. CLASSROOM BLDG
  - H. MULTIPURPOSE BLDG
  - I. MULTIPURPOSE BLDG ENTRY
  - J. MAIN COURTYARD L. BLDG ENTRY

FIRST FLOOR  
CLASSROOM BUILDING  
LIFE SAFETY PLAN

SCALE: 1" = 20'-0"

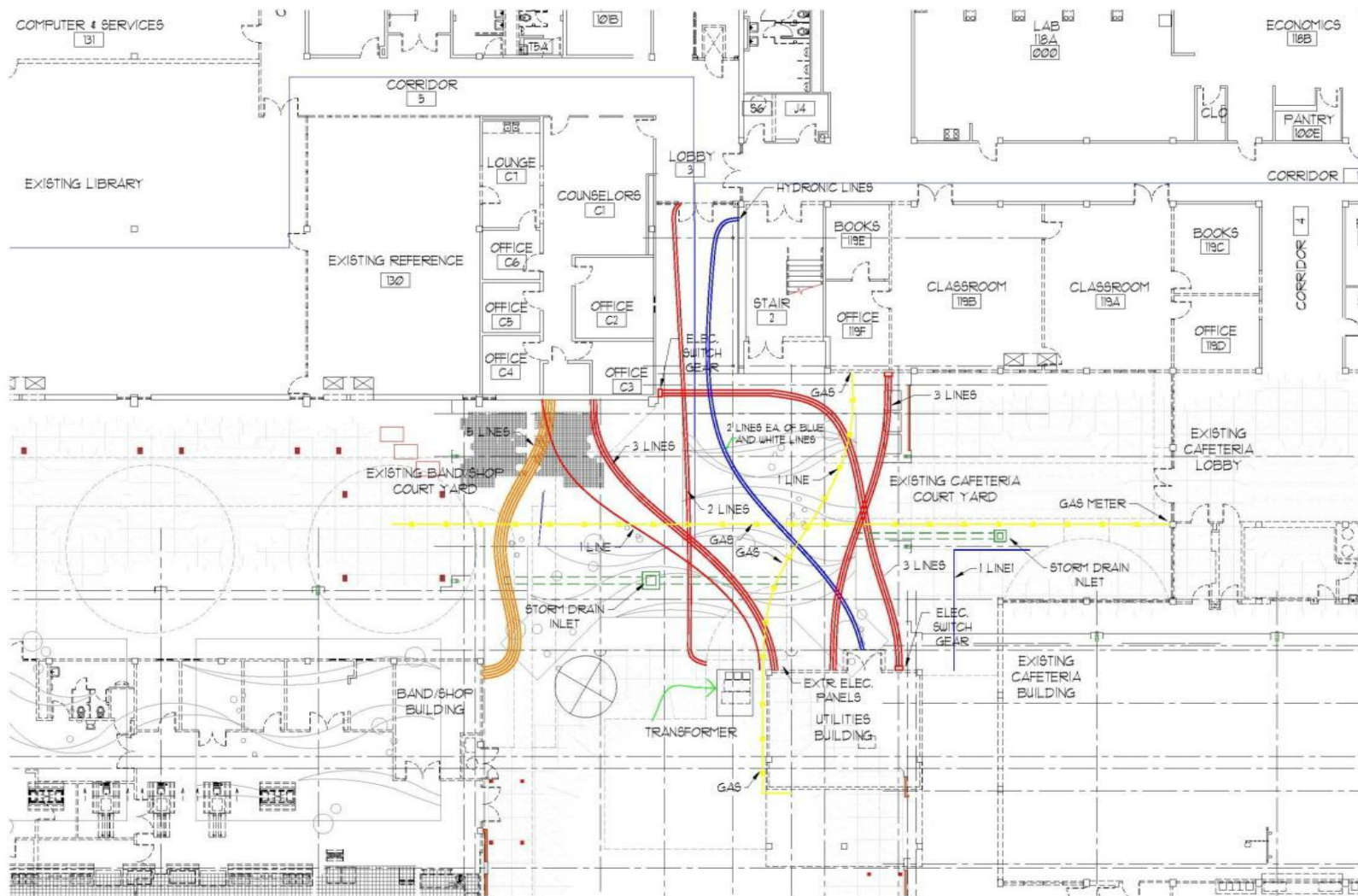


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1100 EAST JUDGE PEREZ DRIVE  
CHALMETTE, LOUISIANA

OWNER: ST. BERNARD PARISH SCHOOL BOARD  
PROJECT NO.: 1100  
DATE: 01/11/11  
SHEET NO.: 11

A1.10



1 UNDERGROUND UTILITY MARKINGS  
SCALE: 1/8" = 1'-0"

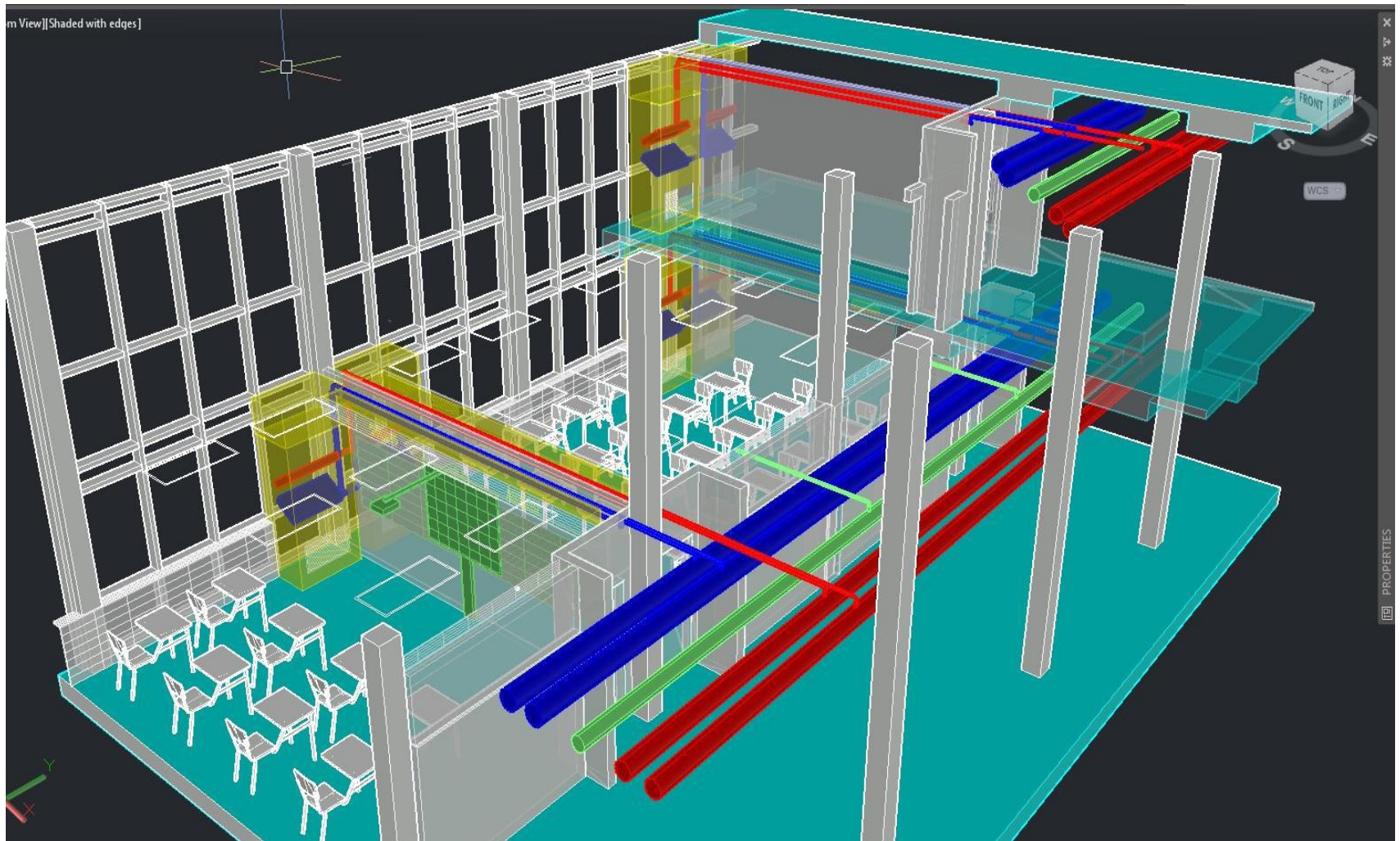
LEGEND	
<span style="color: red;">—</span>	ELECTRIC POWER LINES
<span style="color: yellow;">—</span>	COMMUNICATION SIGNAL LINES
<span style="color: green;">—</span>	SEWER AND DRAIN LINES
<span style="color: blue;">—</span>	WATER

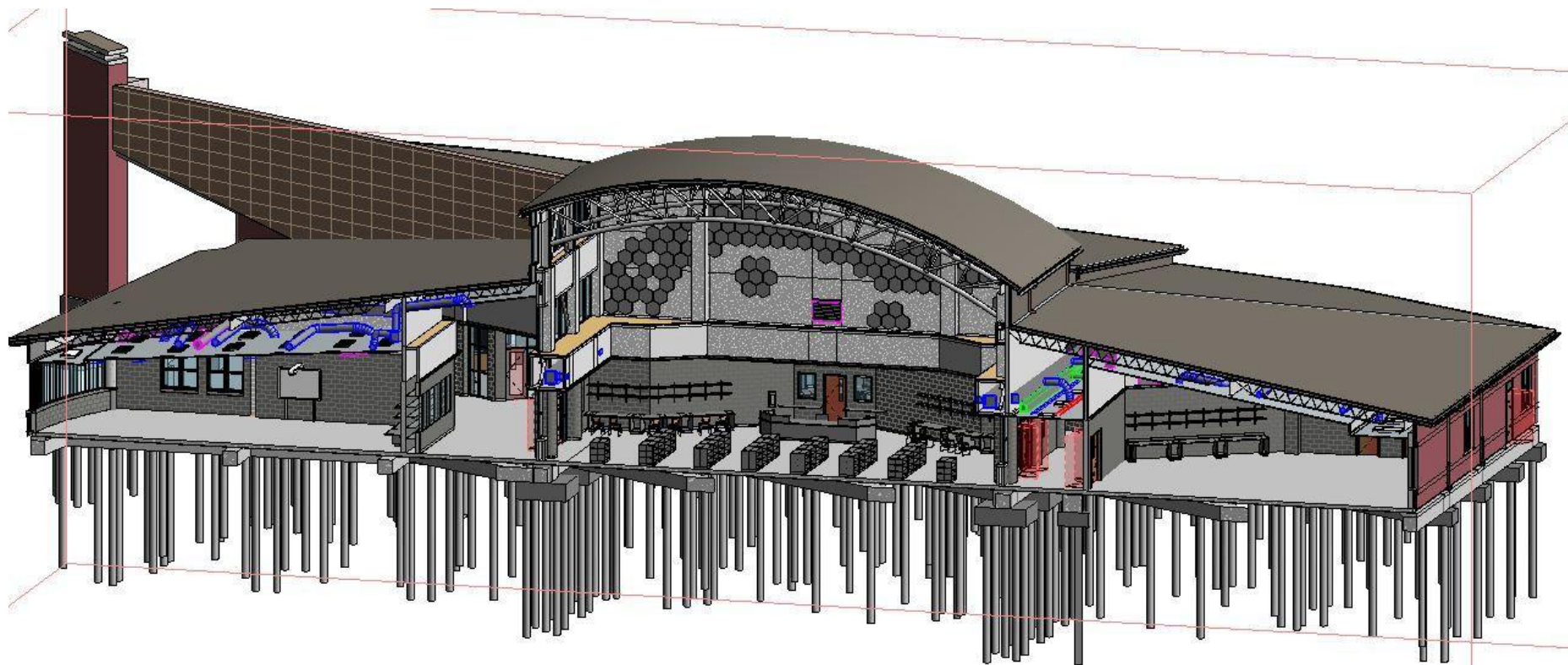
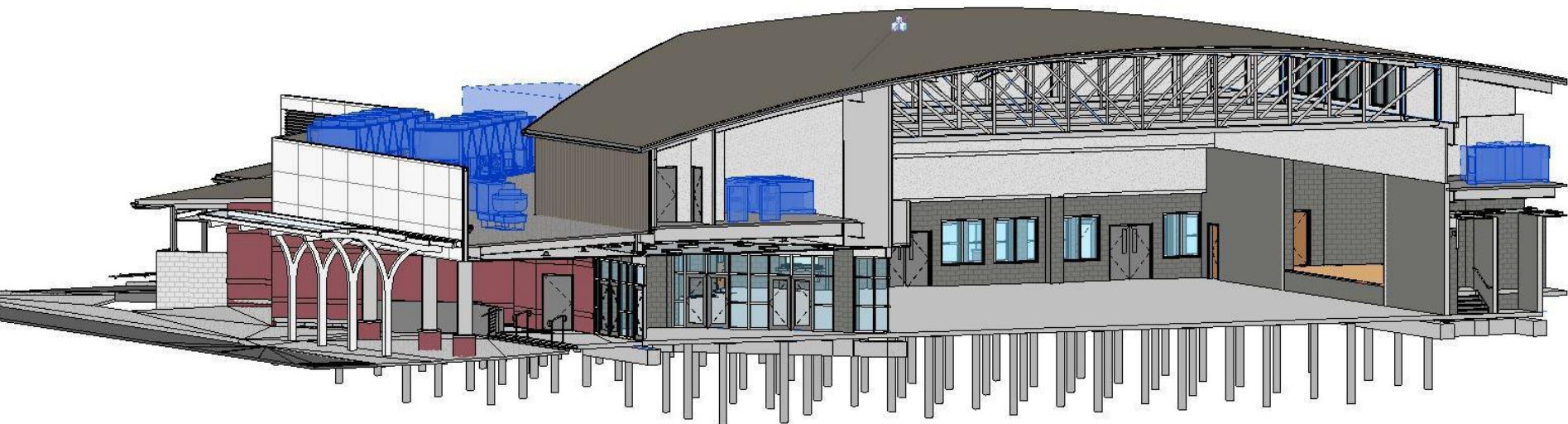
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P.O. Box 100000  
Metairie, LA 70001

**CHALMETTE HIGH SCHOOL RENOVATIONS  
AND ADDITIONS**  
ST. BERNARD PARISH SCHOOL BOARD  
1100 EAST JUDGE PEREZ DRIVE  
CHALMETTE, LOUISIANA

DATE: 10/18/11	BY: [Signature]
DATE: 10/18/11	BY: [Signature]
DATE: 10/18/11	BY: [Signature]
DATE: 10/18/11	BY: [Signature]



























# The Construction Process







12/27/2013











11/01/2013



# Balancing the Preservation of Historic Features with the Demands of Future-realized Educational Experiences

























































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## Chalmette High School Renovations and Additions 2806

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**LACHIN Architects, *apc***

Architecture . Planning . Project Management  
5190 Canal Boulevard, Suite 201  
New Orleans, LA 70124

