

PROGRAM SUMMARY:

TO DESIGN A SPACE WHERE THE ALABAMA INDUSTRIAL DEVELOPMENT TRAINING DEPARTMENT CAN TRAIN WORKERS FOR THE SHIP BUILDING INDUSTRY.

PROGRAM STATEMENT:

IN A HIGHLY VISIBLE LOCATION OFF HWY 90 AS YOU ENTER/EXIT THE CAUSEWAY, THE MARITIME TRAINING CENTER DESIGN CELEBRATES AND BROADCASTS MOBILE'S PORT HISTORY. IT RESEMBLES A LOADED CONTAINER SHIP INCLUDING A GANGWAY ENTRY, WOODEN BEAM-LIKE WALLS, AND A SCREEN PARTITION THAT MIMICS THE BOW OF A SHIP WITH A WATER MARKER. CRITICAL TO THE DESIGN IS ITS COASTAL LOCATION IN A FLOOD ZONE, AND ON A SITE WHERE A MAJORITY IS WETLANDS, THE LOCATION AND SHAPE ON SITE WAS CRUCIAL. THE DESIGN INCORPORATES NAUTICAL AND SHIPBUILDING AESTHETICS INCLUDING: CARGO CONTAINER IMAGERY, FORMED WOOD TEXTURED CONCRETE WALLS AND A MAST AND FLAGPOLE CAST INTO THE ELEVATION IMPLYING THE CONTROL DECK OF A SHIP. THE OVERALL LENGTH IS BASED ON THE LENGTH OF A SMALLER CONTAINER SHIPS.

THE INTERIOR INCLUDES SECOND STORY CLASSROOMS OVERLOOKING A HIGH BAY OPEN FLOOR, MAIN INDUSTRIAL SPACE. IT IS NOT YOUR TYPICAL CLASSROOM WITH A TWO-STORY, HANDS ON ENVIRONMENT WITH ELECTRICAL AND COMPUTER LABS AND WELDING SHOPS, AND WITH INTERIOR AND EXTERIOR LEARNING ENVIRONMENTS. ALL CRITICAL OFFICES, ELECTRICAL, EQUIPMENT AND TRAINING ROOMS WHEN POSSIBLE WERE LOCATED ON THE SECOND FLOOR ABOVE TYPICAL FLOOD STAGE DUE TO MOBILE'S COASTAL LOCATION IN HURRICANE AND FLOOD ZONES. THIS WILL MINIMIZE DAMAGE AND ALLOW FOR QUICKER RECOVERY AND CLEAN UP DUE TO NATURAL DISASTERS.

AIDT PROVIDES JOB SPECIFIC, PRE-EMPLOYMENT AND ON-THE-JOB TRAINING AS A WAY OF RECRUITING INDUSTRIES TO THE STATE. THAT FUNCTION TAKES UP HALF OF THE SITE WITH THE OTHER HALF ALLOTTED TO THE AUSTAL CORP. FOR SHIP CONSTRUCTION.

Toi.oi

BUILDING AREA: (SF)
66,675 SF

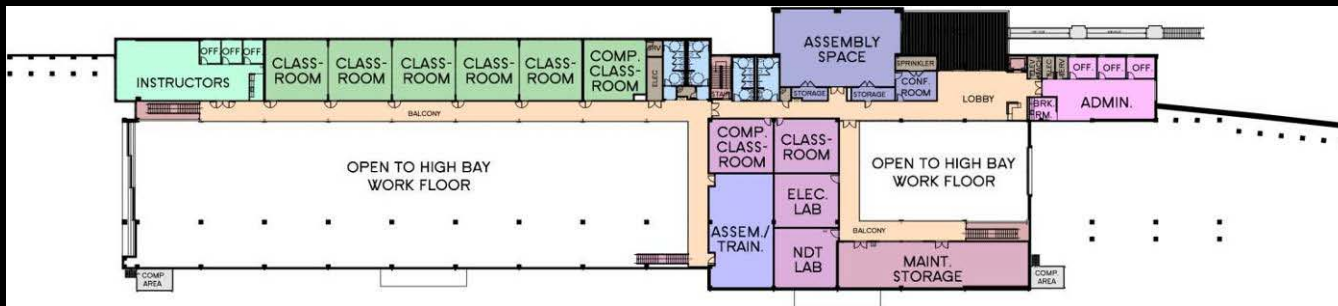
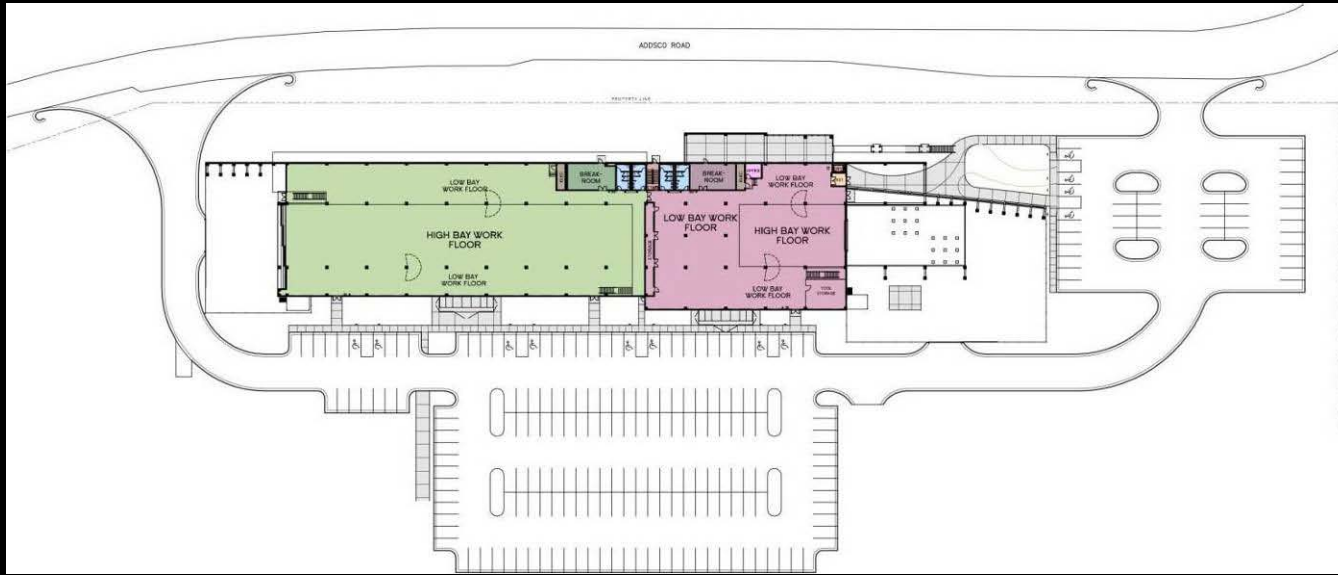
COST PER SQUARE FOOT:
\$162.50

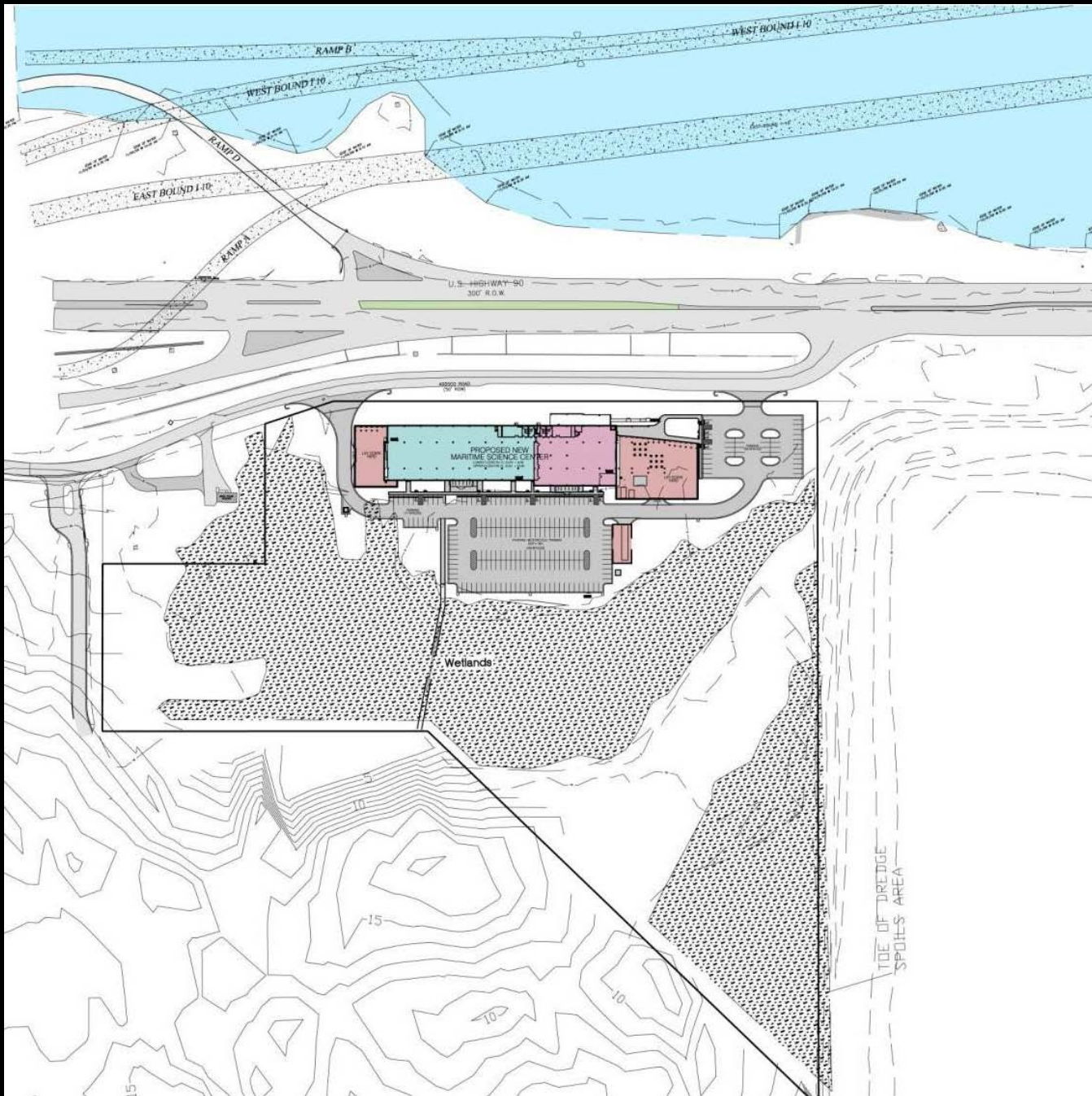
CONSTRUCTION COST
\$ 10.8M

DATE OF COMPLETION:
NOVEMBER 2010

To1.02

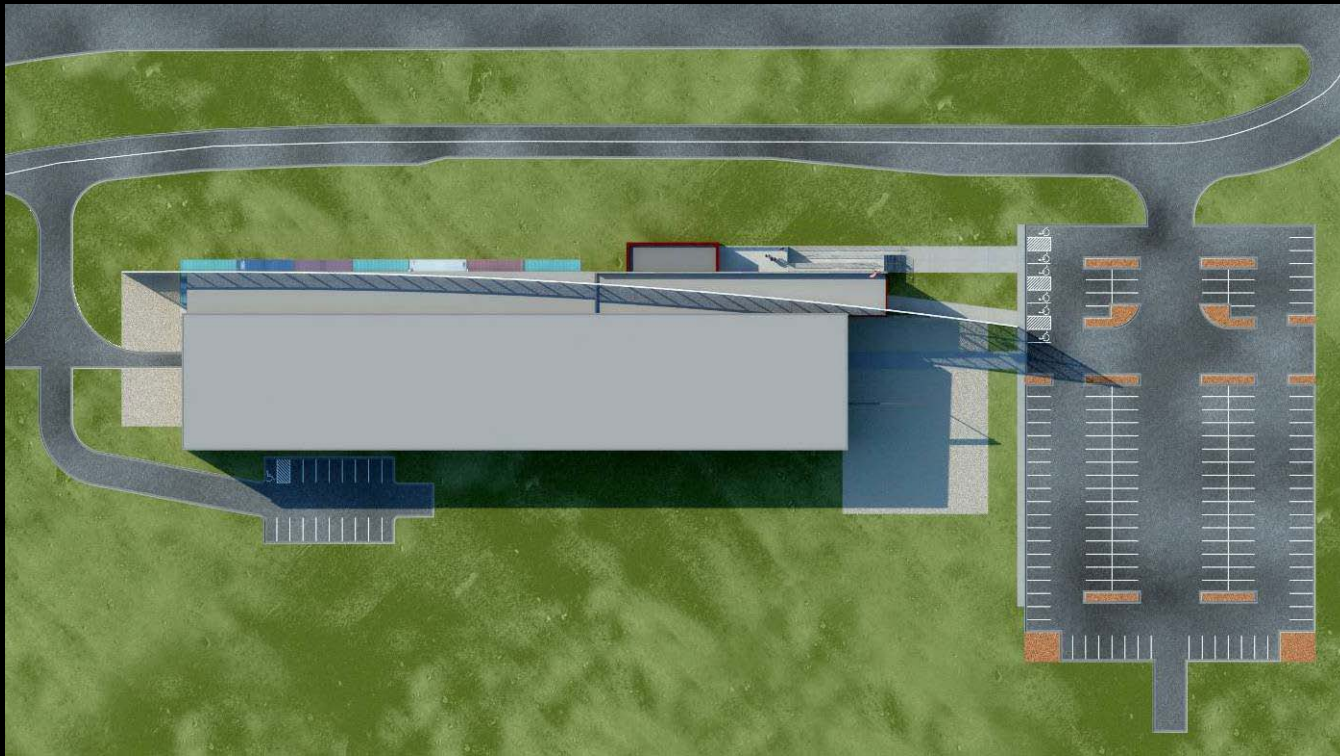
FIRST AND SECOND FLOOR PLANS





T01.03

SITE PLAN



Toi.04

RENDERING DEVELOPMENT OF THE OVERALL SCHEME. SHIPPING CONTAINERS AND THE CURVED SCREEN WALL MIMICKING THE CURVED BOW OF A SHIP IN THE WATER BISECTS THE BUILDING FROM ONE END TO THE OTHER AND SCREENS THE LAY DOWN YARDS ON EITHER END FROM PUBLIC VIEW OF THE INTERSTATE, HIGHWAYS AND MOBILE BAY.



T01.05

EXTERIOR MAIN VIEW FACING MOBILE BAY AND ADJACENT TO INTERSTATE 10 AND HIGHWAY 90 SHOWING THE CURVED SCREEN WALL THAT HAS THE CURVED FORM OF THE BOW OF A SHIP AND SLICES THROUGH THE BUILDING FROM ONE END TO THE OTHER. THE SCREEN WALL SHIELDS THE VIEW OF THE LAY DOWN YARDS FROM THE MAJOR PUBLIC VIEWS.



Toi.06

EXTERIOR OF BUILDING DESIGN MERGING ICONIC CARGO CONTAINERS OF THE MODERN SHIPPING INDUSTRY. CONCRETE WITH WOODEN IMPRESSIONS REFLECTING WOODEN PLANKS USED IN EARLY SHIP BUILDING AND RED ANODIZED METAL PANELS WITH A WOOD GRAIN PATTERN. EACH ELEMENT TIES INTO THE SHIP BUILDING INDUSTRY OF DIFFERENT ERAS.



Toi.07

EXTERIOR OF BUILDING, ADJACENT TO INTERSTATE 10 AND HIGHWAY 90 SHOWING THE CURVED SCREEN WALL REFLECTING THE BOW OF A SHIP, THE WATER ELEVATION MARKS ON THE SCREEN WALL, THE FLAG AND MAST, AND THE GANGPLANK ENTRY TO THE SECOND FLOOR. FINISHED SPACES OF THE BUILDING WERE LOCATED ON THE SECOND FLOOR BECAUSE OF THE BUILDING'S LOCATION ON THE COAST IN A HURRICANE FLOOD ZONE. THE SECOND FLOOR'S ELEVATION ABOVE TYPICAL FLOOD STAGE WILL MINIMIZE DAMAGE TO THE BUILDING'S CRITICAL COMPONENTS IN THE EVENT OF HURRICANE SWELLS FROM MOBILE BAY.



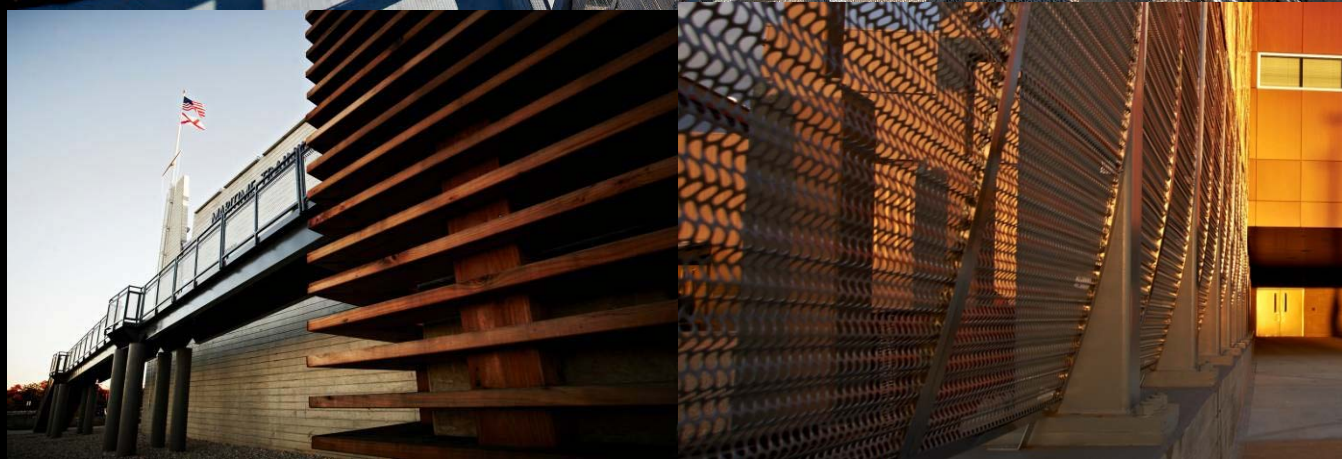
Toi.08

THE CENTER RESEMBLES A LOADED CONTAINER SHIP INCLUDING A GANGWAY ENTRY AND COMPOUND CURVE SCREEN WALL MIMICKING THE CURVED BOW OF A SHIP AS IT SITS IN THE WATER. THE CORRUGATED HORIZONTAL LINES OF THE PERFORATED SCREEN WALL CONTINUE THE HORIZONTAL LINES OF THE FORMED CONCRETE AND THE WOODEN SLATS ON THE EXTERIOR.



Toi.09

THE DESIGN INCORPORATES NAUTICAL AND SHIPBUILDING AESTHETICS INCLUDING: GANGPLANK ENTRY, CONCRETE TEXTURED TO LOOK LIKE WOOD GRAIN (REMINISCENT OF OLD WOODEN SHIPS) AND A MAST AND FLAGPOLE CAST INTO THE ELEVATION IMPLYING THE LOCATION OF A CONTROL DECK OF A SHIP.





Toi.10

INTERIOR RECEPTION AND ADMIN AREA BRINGS IN NATURAL DAY LIGHT INTO THE LOBBY. VIEWS OF MOBILE BAY FROM ITS SECOND FLOOR LOCATION AND VIEWS OF THE HIGH BAY TRAINING AREAS. WOODEN SLATS FROM THE EXTERIOR ARE BROUGHT INTO THE INTERIOR ELEMENTS OF THE RECEPTION DESK.





T01.11

HIGH BAY WORK AREA HOUSES A LARGE CRANE WHICH OPERATES FROM ONE END TO THE OTHER FOR LOADING AND ASSEMBLING OF LARGE PARTS. ON BOTH SIDE OF THE HIGH BAY AREA ARE LOW BAY AREAS FOR SMALLER PART ASSEMBLY AND WELDING WORK STATIONS.

TRADITIONAL COLORS USED IN MARITIME FLAGS AND FASHION OF BLUE, WHITE AND YELLOW ARE CARRIED INTO THE HIGH BAY / LOW BAY WORK AREAS. THE USE OF THESE COLORS IN THE INDUSTRIAL AREAS EMPHASIZES THEIR NAUTICAL ASSOCIATION. ALONG WITH RED AND BLACK THESE ARE THE ONLY COLORS USED IN MARITIME FLAGS BECAUSE OF THEIR HIGH VISIBILITY AT SEA.





Toi.12

WORK FLOOR AND CLASSROOMS OF THE TRAINING SIDE ALSO USE THE SAME COLOR THEMES OF BLUE, WHITE AND YELLOW. RED FROM THE EXTERIOR'S ANODIZED METAL PANELS ARE ALSO VISIBLE WHEN THE BAY DOORS ARE OPEN TO THE LAY DOWN YARD. ALL FIVE NAUTICAL COLORS ARE USED IN THE SPACE.



Toi.13

THE MARITIME THEME IS REFLECTED THROUGHOUT THE BUILDING'S DESIGN. FROM ITS MAJOR FORMS TO THE MINOR DETAILS OF THE FINISHES. ITS MODERN SHAPE IS BUILT ON THE HISTORICAL DETAILS OF THE CONCRETE FORMED WOODEN PLANKS. BOTH IN COLOR AND FORM THE BUILDING REFLECTS THE MARITIME TRADITION IT IS BUILT TO FOSTER.

PROJECT NAME:
THE MARITIME TRAINING CENTER

PHOTOGRAPHER(S):
ALL PHOTOS BY EDWARD BADHAM

PROJECT LOCATION:
MOBILE, AL

OWNER/CLIENT:
ALABAMA INDUSTRIAL DEVELOPMENT TRAINING
(AIDT), ED CASTILE

ARCHITECT(S) OF RECORD:
(NAMES AND ADDRESSES)
GOODWYN, MILLS AND CAWOOD, INC.
2660 EASTCHASE LANE, SUITE 200
MONTGOMERY, AL 36117

PROJECT TEAM:
BILL WALLACE, AIA, PRINCIPAL IN CHARGE
DAN WOODS, AIA, PROJECT ARCHITECT
SCOTT STEEN, AIA, LEED AP, ARCHITECT

LANDSCAPE ARCHITECT:
GOODWYN, MILLS AND CAWOOD,
MONTGOMERY

CONSULTANTS:
CONSTRUCTION MANAGEMENT, GOODWYN, MILLS
AND CAWOOD, MONTGOMERY, STEVE PENDLEY
CIVIL ENGINEER, GOODWYN, MILLS AND CAWOOD,
MONTGOMERY, CEDRIC CAMPBELL, PE
ENVIRONMENTAL, GOODWYN, MILLS AND CAWOOD,
MONTGOMERY, JYMALYN REDMOND
STRUCTURAL ENGINEER, MBA STRUCTURAL
ENGINEERS, INC., TRIPP LINDSEY, PE
MEP ENGINEER, HM YONGE & ASSOCIATES INC.,
HOWARD M. YONGE, PE

GENERAL CONTRACTOR:
J.C. DUKE & ASSOCIATES

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PROJECT IDENTIFICATION SLIDE

THIS SLIDE WILL NOT BE SEEN
BY THE JUDGES. IT REPLACES
WHAT IN PAST YEARS HAS
BEEN IN THE SEALED
ENVELOPE.

PLEASE FILL OUT THE
INFORMATION REQUESTED TO
THE LEFT. AS WITH OTHER
SLIDES PLEASE SET THE
CORRECT ENTRY NUMBER
ABOVE; OK TO LEAVE SLIDE#
AS "X"

SOME OF THIS INFORMATION
WILL BE ADDED TO THE SLIDES
WHEN USED FOR THE HONOR
AWARDS PRESENTATION AT
THE AWARDS GALA.

NOTE: ON THIS SLIDE IF YOU
RUN OUT OF SPACE PLEASE
ADJUST FONT SIZE AS
NECESSARY OR MOVE MORE
INFORMATION TO THE SECOND
COLUMN.

PLEASE DELIVER YOUR
COMPLETED POWERPOINT FILE
TO 266 COMMERCE STREET,
SUITE 200, MONTGOMERY,
AL, 36104 ON A CD. ALSO
INCLUDE THIS IDENTIFICATION
INFORMATION IN A SEALED
ENVELOPE BEARING ONLY THE