

Amendment #2 to

“ATTACHMENT-1 of TECHNICAL SPECIFICATION
For a
168’ KELLY ISLAND PASSENGER/VEHICLE FERRY
for
THE LORAIN PORT AUTHORITY”

The following changes/modifications are made to the specification as indicated below.
Changes are highlighted in *underlined italics*.

These changes/modifications are an addendum to the Amendment released on 06/10/2019.

WAS**101.2 Vessel Dimensions****Table 1: Vessel Dimensions**

Length overall	168'-0" (excluding ramps)
Length overall	189'-2" (incl. ramps)
Length DWL	152'-8"
Hull Breadth, (without aprons)	34'-6"
Depth, molded	9'-4"
Draft, navigation	6'-8" (even keel)
GRT	Less than 100 tons U.S. Regulatory
Frame spacing	48"

IS (Amended)**101.2 Vessel Dimensions****Table 2: Vessel Dimensions**

Length overall	168'-0" (excluding ramps)
Length overall	189'-2" (incl. ramps)
Length DWL	152'-8"
Hull Breadth, (without aprons)	34'-6"
Depth, molded	9'-4"
Draft, navigation	<u>7'-10"</u> (even keel)
GRT	Less than 100 tons U.S. Regulatory
Frame spacing	48"

WAS

PART 106. DOCUMENTS

106.1 Design Documents

For contract purposes, the Contract and Contract Guidance Drawings for this project are as follows:

*** **

These drawings are included as Appendix A. Contract Drawings are considered non-deviational drawings, and any deviations from these shall require approval of Owner's Representative or Owner as necessary. Contract Guidance drawings are provided to assist the BUILDER, but the BUILDER is required to verify these and ensure that they follow all the requirements of these specifications and obtain applicable regulatory approvals.

*** **

IS (Amended)

PART 106. DOCUMENTS

106.1 Design Documents

For contract purposes, the Contract and Contract Guidance Drawings for this project are as follows:

*** **

These drawings are included as Appendix A. Contract Drawings are considered non-deviational drawings, and any deviations from these shall require approval of Owner's Representative or Owner as necessary. Contract Guidance drawings are provided to assist the BUILDER, but the BUILDER is required to verify these and ensure that they follow all the requirements of these specifications and obtain applicable regulatory approvals. Major Equipment List (Dwg A-04) is included in Machinery Arrangement (Dwg A-05, Sheet 1 Table).

Caution: The BUILDER may need to reduce the length of the vessel by one frame space in the mid body, so that the vessel qualifies for one compartment damage stability requirements of CFR § 171.070 (d). Else the builder may be required to adjust Main Transverse Watertight Bulkhead locations to satisfy the two compartment damage stability requirements of CFR § 171.070 (c). If this length reduction is part of BUILDER's proposal, it should be so identified in the proposal.

*** **

WAS**103. CLASSIFICATION**

The vessel shall be delivered with a USCG Certificate of Inspection (COI) Subchapter T of 46 CFR. The vessel shall be designed to comply with US Regulatory requirements (<100 GRT US) as required for Subchapter T Vessels and shall include the necessary tonnage openings, tonnage frames, etc. as required. The vessel shall be provided with the following documentation:

- USCG Certificate of Inspection under 46 CFR Subchapter “T”
- USCG Stability Letter.
- USCG Tonnage Certificate for U.S. Regulatory Gross Tonnage (under 100 GT).
- Builders Clear Lien Certificate.
- FCC Radio License
- Current Certificates for all Life Saving Equipment including inflatable life floats and EPIRB’s.
- Approved Trim and Stability Booklet.
- Approved Fire and Safety Plan
- Asbestos Free Certificate issued by BUILDER
- US EPA Vessel General Permit.
- Compass Adjustment certificate and Deviation Card
- Builder’s Certificate
- COLREG, *Convention on the International Regulations for the Prevention of Collisions at Sea*

*** **

IS (Amended)**103. CLASSIFICATION**

The vessel shall be delivered with a USCG Certificate of Inspection (COI) Subchapter T of 46 CFR. The vessel shall be designed to comply with US Regulatory requirements (<100 GRT US) as required for Subchapter T Vessels and shall include the necessary tonnage openings, tonnage frames, etc. as required. The vessel shall be provided with the following documentation:

- USCG Certificate of Inspection under 46 CFR Subchapter “T”, *for partially protected waters*.
- USCG Stability Letter.
- USCG Tonnage Certificate for U.S. Regulatory Gross Tonnage (under 100 GT).
- Builders Clear Lien Certificate.
- FCC Radio License
- Current Certificates for all Life Saving Equipment including inflatable life floats and EPIRB’s.
- Approved Trim and Stability Booklet.
- Approved Fire and Safety Plan
- Asbestos Free Certificate issued by BUILDER
- US EPA Vessel General Permit.
- Compass Adjustment certificate and Deviation Card
- Builder’s Certificate
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TAI 1206

Lorain Port Authority

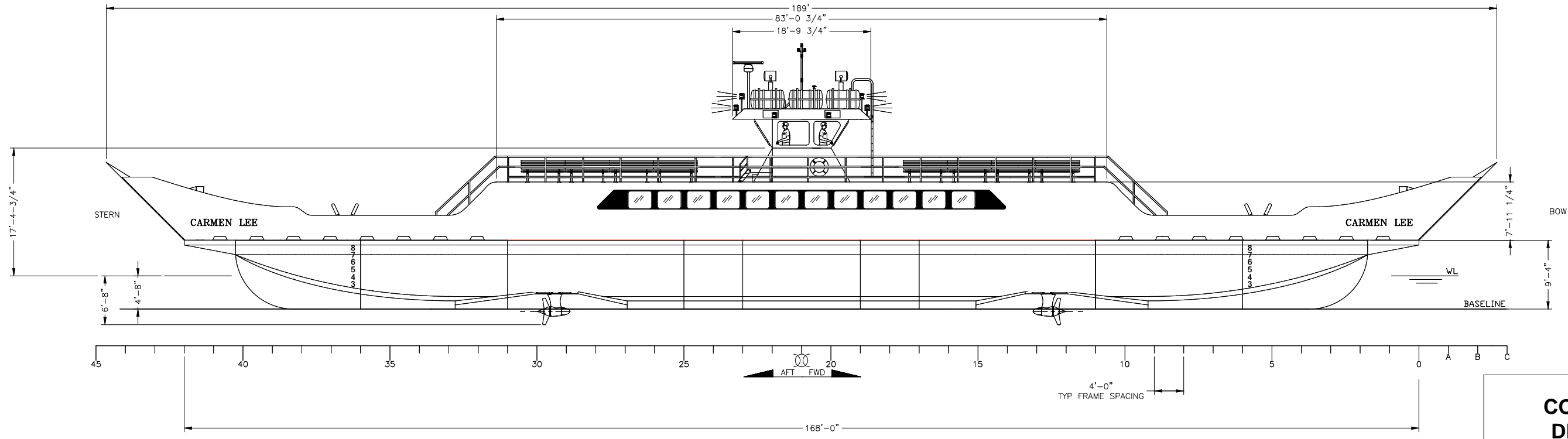
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ANNEX A – CONTRACT AND CONTRACT GUIDANCE DRAWINGS

General Arrangement & Outboard Plan [Dwg# A-01, Sheet 1] Rev_0-1

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

CHARACTERISTICS	
LENGTH	168'-0"
BEAM (O.A.)	45'-5"
BEAM (MOULDED)	34'-6"
DEPTH	9'-4"
DESIGN DRAFT	4'-8"
DWT	544 LT (PRELIMINARY)
POTABLE WATER	400 GALS
BALLAST (FRESH WATER)	89,480 GALS
FUEL OIL	21,350 GALS
BLACK WATER	400 GALS
PASSENGERS	149
CREW	1 MASTER 2 DECKHANDS
CERTIFICATION (COI)	USCG SUB-CHAPTER T, 149 PAX
RULES (NO CERTIFICATION)	ABS, SVR UNDER 90M



OUTBOARD PROFILE
 STARBOARD SIDE LOOKING TO PORT
 SCALE: 1/8"=1'-0"

CONTRACT DRAWING

GENERAL NOTES:

- NO MATERIAL CONTAINING ASBESTOS SHALL BE USED ONBOARD (MSC CIRC 1374, DATED 03 DEC 2010). USE OF ASBESTOS OR ASBESTOS CONTAINING MATERIALS (ACM'S) IS PROHIBITED WITHOUT EXCEPTIONS.
- THIS DRAWING IS A CONTRACT DRAWING.
- THE VESSEL SHALL BE PROVIDED AS A USCG CFR SUB-CHAPTER T, PASSENGER VESSEL. IT IS THE SHIPYARDS RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE LOCAL AND FEDERAL REQUIREMENTS AND TO PROVIDE A FULLY FUNCTIONAL, USCG SUB-CHAPTER T CERTIFICATED VESSEL IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS.

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 KELLEYS ISLAND PAX/VEHICLE FERRY

GENERAL ARRANGEMENT
 & OUTBOARD PLAN

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REVISION STATUS										APVD:	DATE:	SIZE:	FSCM NO.:	DWG NO.:	REV:
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ANNEX A – CONTRACT AND CONTRACT GUIDANCE DRAWINGS

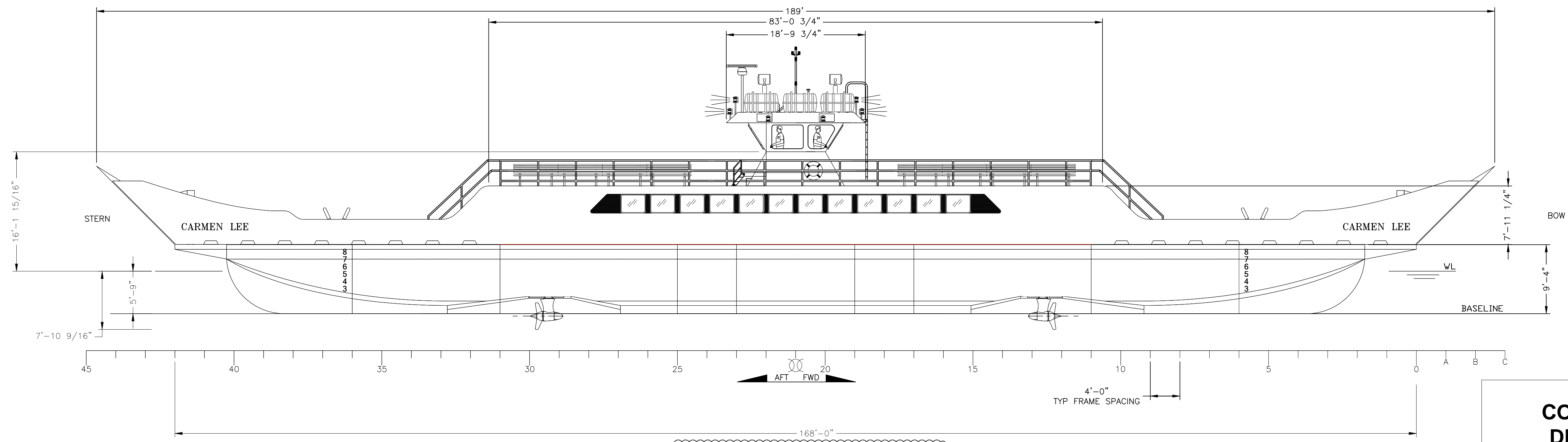
General Arrangement & Outboard Plan [Dwg# A-01, Sheet 1] Rev_1

REVISIONS				
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	1	1. DESIGN DRAFT AND DEADWEIGHT IS UPDATED AS PER ENGG. DEVELOPMENT	06-17-19	AK/AR

CHARACTERISTICS	
LENGTH	168'-0"
BEAM (O.A.)	45'-5"
BEAM (MOULDED)	34'-6"
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DESIGN DRAFT	5'-9"
DWT (Approx.)	600 LT (PRELIMINARY)
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BLACK WATER	400 GALS
PASSENGERS	149
CREW	1 MASTER 2 DECKHANDS
CERTIFICATION (COI)	USCG SUB-CHAPTER T, 149 PAX
RULES (NO CERTIFICATION)	ABS, SVR UNDER 90M

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C
B
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D
C
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A



OUTBOARD PROFILE
STARBOARD SIDE LOOKING TO PORT
SCALE: 1/8"=1'-0"

- GENERAL NOTES:**
1. NO MATERIAL CONTAINING ASBESTOS SHALL BE USED ONBOARD (MSC CIRC 1374, DATED 03 DEC 2010). USE OF ASBESTOS OR ASBESTOS CONTAINING MATERIALS (ACM'S) IS PROHIBITED WITHOUT EXCEPTIONS.
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KELLEYS ISLAND PAX/VEHICLE FERRY
GENERAL ARRANGEMENT & OUTBOARD PLAN

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REVISION STATUS									
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Lorain Port Authority

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ANNEX A – CONTRACT AND CONTRACT GUIDANCE DRAWINGS

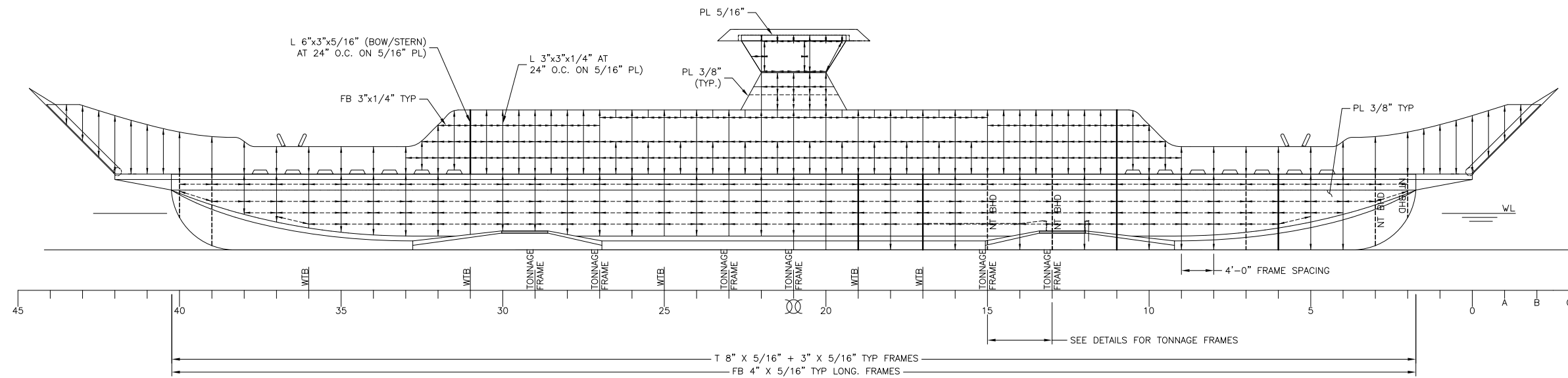
Structural Plan Inboard Profile & Centerline Section [Dwg# S-01, Sheet 1] Rev_0

CHARACTERISTICS	
LENGTH	168'-0"
BEAM (O.A.)	45'-5"
BEAM (MOULDED)	34'-6"
DEPTH	9'-4"
DESIGN DRAFT	4'-8"
DWT	544 LT (PRELIMINARY)
POTABLE WATER	400 GALS
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GENERAL NOTES:

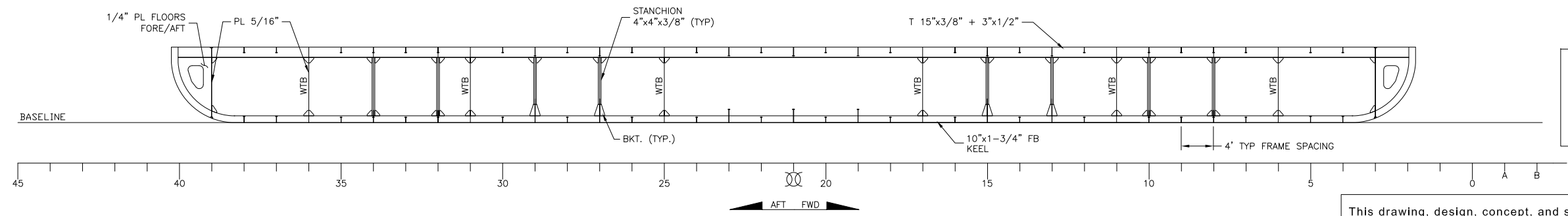
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- BRACKETS SHOULD BE PLACED TO THE SIZE AND TYPE AS REQ'D BY CLASS.
- SCALLOPS & RAT HOLES SHOULD BE PROVIDED FOR DRAINAGE & AIR FLOW. ALL SCALLOPS ARE OF RADIUS 1 1/2" UNLESS NOTED OTHERWISE.
- ALL WELDING TO BE IN ACCORDANCE WITH THE LATEST ABS RULES FOR BUILDING AND CLASSING STEEL VESSELS UNDER 90 METERS (295 FT) IN LENGTH (2018), A1, FERRY SERVICE, GREAT LAKES U.S. DOMESTIC SERVICE, AND AS INDICATED ON THIS DRAWING.
- INTERMITTENT WELDS ARE TO BE DOUBLE CONTINUOUS AT THE ENDS OF MEMBERS IWO BRACKETS AND AT INTERSECTIONS BETWEEN MEMBERS.
- TEMPORARY ACCESS OPENINGS IF REQUIRED FOR ASSEMBLY AND INSTALLATION ARE TO BE ARRANGED BY SHIPYARD AND APPROVED BY SURVEYOR.
- TEMPORARY SUPPORT AND/OR LIFTING STRUCTURES ARE TO BE PROVIDED BY SHIPYARD.
- ALL HULL STEEL TO BE ABS GRADE 'A' WITH A MINIMUM YIELD STRESS OF 34 KSI. TO BE AH36.
- LOCAL DECK LOADS SHALL BE DESIGNED USING MAXIMUM AASHTO H-20 AND HS-20 WHEEL/AXLE LOADINGS COMBINED WITH ABS LOCAL DECK PRESSURE CALCULATIONS FOR DECK THICKNESS.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



INBOARD PROFILE VIEW

STARBOARD SIDE LOOKING TO PORT
SCALE: 1/8"=1'-0"
SIDE SHELL PT 3/8" THICK



CENTERLINE SECTION

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

**CONTRACT
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DRAWING**

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STRUCTURAL PLAN
INBOARD PROFILE & CENTERLINE SECTION

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DWN: SW	DATE: 08/10/18				

TAI 1206

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IS (Amended)

ANNEX A – CONTRACT AND CONTRACT GUIDANCE DRAWINGS

Structural Plan Inboard Profile & Centerline Section [Dwg# S-01, Sheet 1] Rev_1

Technology Associates, Inc.

6/17/2019

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of the Specification.

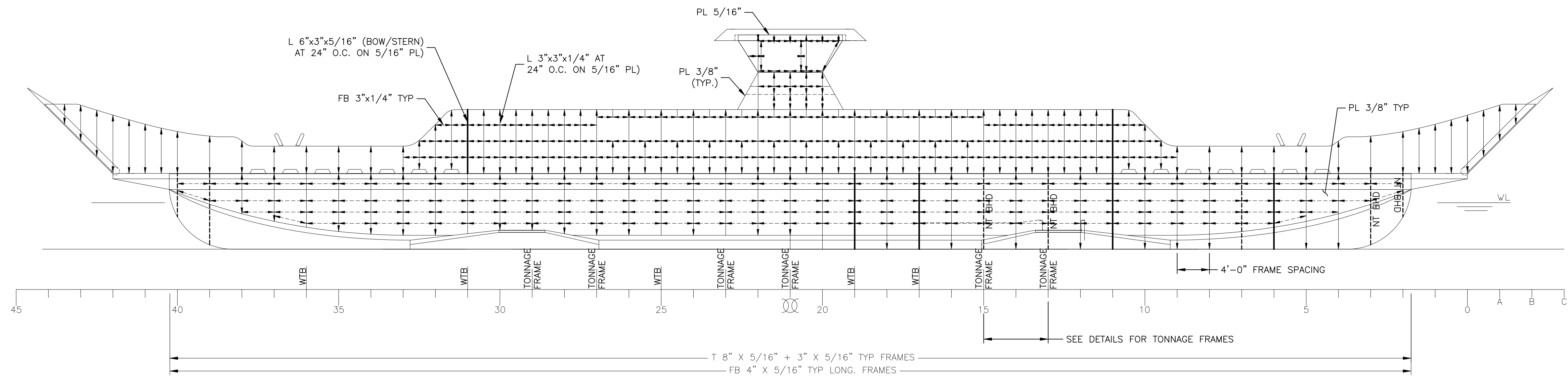
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RULES (NO CERTIFICATION)	ABS, SVR UNDER 90M

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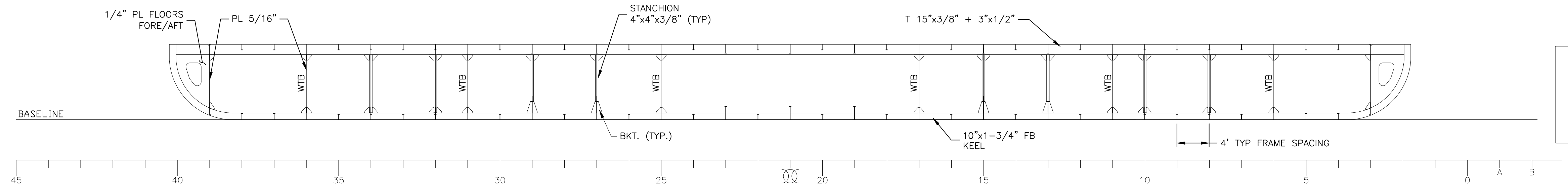
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	1. DESIGN DRAFT AND DEADWEIGHT IS UPDATED AS PER ENGG DEVELOPMENT	06-17-19	AK/AR



INBOARD PROFILE VIEW

STARBOARD SIDE LOOKING TO PORT
SCALE: 1/8"=1'-0"
SIDE SHELL PT 3/8" THICK



CENTERLINE SECTION

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

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STRUCTURAL PLAN
INBOARD PROFILE & CENTERLINE SECTION

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