



*The First Name In Trailers*

## **C. Keay Investments Ltd.**

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Trailer Quote Prepared For

***OCEAN TRAILER STOCK***  
***9076 RIVER ROAD***  
***DELTA, BC V4G 1B5***

*20 - VS2RA*  
*September 25, 2024*

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## Specifications (☞ = Option to Base Model)

### 1-Model & Payload Capacity

<i>MODEL</i>	VS2RA
<i>PAYLOAD CAPACITY</i>	55,000 LBS EVENLY DISTRIBUTED PAYLOAD CAPACITY
<i>SPECIAL TRAILER APPLICATION</i>	☞ VS3RA DERIVED DESIGNATION (DERIVED FROM DUAL AXLE REEFER BASE SPECIFICATIONS/OPTIONS)
<i>GROSS VEHICLE WEIGHT RATING</i>	☞ 80,000 LBS GVWR FOR USE W/(3) AXLE TRAILER
<i>INTERNATIONAL IMPORTATION SPECIFICATIONS</i>	☞ FRENCH/ENGLISH VIN LABEL REQD FOR IMPORT TO CANADA AND QAI CERTIFICATION
<i>GREENHOUSE GAS COMPLIANCE</i>	THIS TRAILER IS NOT UTMG GHG2 CERTIFIED, GHG2 CERTIFICATION MAY REQUIRE ADDL OPTIONS/COSTS
<i>FOAM COMPOSITION</i>	TRAILER CONTAINS NON-HFC FOAM; MAY BE SOLD OR USED IN STATE W/ HFC RESTRICTION
<i>DQS UPDATE NUMBER</i>	DQS UPDATE #187 (8/01/24)

### 2-Dimensions

<i>LENGTH</i>	53'0" OVERALL LENGTH
<i>OVERALL HEIGHT</i>	13'6" O/A HEIGHT ON 46-1/2" FIFTH HT FOR 107-1/8" POST HT
<i>WIDTH</i>	102-3/8" OVERALL WIDTH

### 3-Deck

<i>DECK TYPE</i>	STRAIGHT DECK
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### 4-Front Subframe

<i>FRONT SUBFRAME</i>	4-1/4" DEEP BOX BEAM DESIGN FRONT SUBFRAME
<i>APPROACH PLATE</i>	☞ 3GA (1/4" NOM) HIGH STRENGTH STEEL APPROACH PLATE (TWO PIECE CONSTRUCTION)
<i>KINGPIN PLATE</i>	3GA HIGH STRENGTH STEEL FULL WIDTH KINGPIN PLATE
<i>KINGPIN TYPE</i>	AAR HARDNESS CRUCIFORM KINGPIN
<i>KINGPIN LOCATION</i>	36" KINGPIN LOCATION
<i>CONDUIT</i>	(1) CONDUIT THROUGH FRONT SUB 30-1/2" FROM C/L ON ROADSIDE
<i>COVER PLATE</i>	EXTRUDED ALUM COVER ON FRONT FACE OF APPROACH PLATE

### 5-Support Legs

<i>SUPPORT LEG LOCATION</i>	SUPPORT LEG LOCATION OF 105" FROM C/L OF KINGPIN
<i>SUPPORT LEG CRANK LOCATION</i>	ROADSIDE SUPPORT LEG CRANK LOCATION

SUPPORT LEG BRACING

☞ HD SUPPORT LEG REINF SYS (INCLS: HD SHUTTLE RUN X-BRACE REINF, HD SIDE POSTS 1ST(4)PNLS &12"MAX CL

SUPPORT LEG REINFORCING

☞ 3/4" GRADE 50 "SQUARE BAR" REINF AT WING PLATE FLANGES FORE & AFT

WING PLATE MATERIAL

☞ HIGH STRENGTH WING PLATE MATERIAL HT80 VS STD

SUPPORT LEGS

☞ JOST MODEL A451 MAGNUM SUPPORT LEGS W/10-YR WARRANTY & 10"X10" ULTRA LOW PROFILE CUSHION FOOT

#### 6-Frame, Rails & Crossmembers

BOTTOM RAILS

☞ EXTRA HEAVY DUTY BOTTOM RAILS

BOTTOM RAILS

☞ DO NOT NOTCH OUT BOTTOM RAIL AT REAR

CROSSMEMBERS FRONT SUB TO LEGS

4" ALUM I BEAM CMEMS W/(4) RIVET ENDCLIPS ON 12" C/L FRONT SUB TO SUPPORT LEGS

CROSSMEMBERS OVER SUPPORT LEGS

(5) 4" STEEL I BEAM CMEMS W/(4) RIVET ENDCLIPS ON 12" C/L OVER SUPPORT LEGS.

CROSSMEMBERS LEGS TO REAR SUB

5-1/2" ALUM I SHAPE CMEMS W/(4) RIVET ENDCLIPS ON 12" C/L SUPPORT LEGS TO REAR SUB

CROSSMEMBERS OVER REAR SUBFRAME

4" STEEL I BEAM CMEMS W/(4)RIVET ENDCLIPS ON 12" C/L W/STD REINF OF (1) ADDL CMEM IN REAR 34"

CROSSMEMBERS OVER REAR SUBFRAME

☞ (2) ADDL STEEL CMEMS IN REAR 58" ON 6" C/L

PREP FOR FUEL TANK FOR USE WITH SIDE SKIRTS

☞ 50 GAL FUEL TANK PREP (UTM STD) FOR USE WITH SIDE SKIRTS

#### 7-Rear Subframe

HORIZONTAL DOCK BUMPER

BASE SPEC: 7"HRZ BMPR W/ 1/4" REINF PLATE & 2"ADDL DOCK LOCK CLEARANCE X11"LG @ C/L OF BUMPER

RUBBER DOCK BUMPERS

☞ (1) PAIR POLYURETHANE DOCK BUMPERS 5/8" PROUD W/EMBEDDED STUD

VERTICAL &HORIZONTAL DOCK BUMPER

BASE SPEC:DOT VERT W/NONSLIP 7" HORIZONTAL 22" MAX GROUND CLRN; MEETS IIHS-30% OFFSET TEST

VERTICAL &HORIZONTAL DOCK BUMPER

☞ DOT SST WELD-ON VERT & BOLT-ON NONSLIP HRZ 21"MAX GRND CLR W/IN LESS 4"O.A.W.EA SIDE FOR 7" BMPR

#### 8-Suspension/Axles/Actuation

SLIDER SUSPENSION LOCATION

70" REAR SUSPENSION LOCATION AND 166" FORWARD SUSPENSION LOCATION FOR 96" OF SLDR TRAVEL

OIL SEALS

CONMET PREMIUM OIL SEALS (INCL W/ CONMET PRESET+ WHEEL END SYSTEM)

AIR BRAKE CHAMBERS

BENDIX ENDURASURE 3030 AIR BRAKE CHAMBERS

AIR ACTUATION

ONE TANK AIR ACTUATION SYSTEM W/SPRING BRAKES

<i>SLACK ADJUSTERS</i>	BENDIX VERSAJUST AUTOMATIC SLACK ADJUSTERS FOR USE W/BENDIX ENDURASURE OR TSE BRAKE CHAMBERS
<i>HUBODOMETER</i>	☞ STEMCO HUBODOMETER MTD ON AXLE
<i>DUST SHIELDS</i>	☞ DUST SHIELDS FOR 16-1/2" X 7" BRAKES FOR USE WITH TRIDEM
<i>AIRRIIDE DUMP VALVES</i>	HENDRICKSON AUTOMATIC DUMP VALVE
<i>BRAKE LINING STYLE</i>	HENDRICKSON HXS BRAKE LINING STYLE FOR USE W/ INTRAAX
<i>AXLE SPINDLE NUTS</i>	CONMET SPINDLE NUT (INCL. W/ CONMET PRESET+ WHEEL END SYSTEM)
<i>HUB PILOTED SYS W/OUTBOARD DRUMS FOR 16-1/2" X 7" BRAKES</i>	10 STUD HUB PILOTED SYS W/OUTBRD CAST DRUMS W/16-1/2"X 7"BRKS(STD W/CONMET PRESET+WHEEL END SYS)
<i>ANTILOCK BRAKE SYSTEMS (ABS)</i>	☞ BENDIX TABS-6 2S/1M ABS *W/O ROLL STABILITY*
<i>WHEEL BEARING LUBRICATION</i>	FACTORY CHOICE 80W-90 OIL
<i>ANTI-DOCK WALK DEVICES</i>	☞ HENDRICKSON ANTI DOCK WALK DEVICE FOR USE WITH MANUAL DUMP VALVE
<i>WHEEL SEPARATOR PLATES</i>	☞ NYLON WHEEL GUARD SEPARATOR PLATE BTWN INNER WHEEL & HUB FOR USE WITH TRIDEM
<i>AXLE MANUFACTURER</i>	HENDRICKSON "VENTED" AXLES
<i>AXLE SPINDLE TYPE</i>	☞ P-SPINDLE TYPE FOR USE WITH TRIDEM & CONMET PRESET PLUS WHEEL END SYSTEM
<i>AUTOMATIC TIRE INFLATION SYSTEM</i>	☞ HEND TIREMAAX PRO TIRE INFL SYS W/WARN LGT ON FRT CRNR FOR USE W/TRIDEM (RETAINS CNMT 8YR WRTY)
<i>LOAD SCALE KIT</i>	☞ HENDRICKSON AKLS1006 LOAD SCALE (INCLS MANUAL DUMP VALVE) IN FULLY ENCLOSED POLYCARBONATE BOX
<i>WHEEL BEARINGS (CONES) AND RACES (CUPS) MANUFACTURER</i>	CONMET BEARINGS (INCL W/ CONMET PRESET+ WHEEL END SYSTEM)
<i>HENDRICKSON AIRRIIDE SYSTEMS WITH INTEGRAL AXLES</i>	☞ HENDRICKSON HKANT 69K23 TRIAXLE AIRRIIDE/AXLE SYSTEM, 60" AXLE SPACING
<i>SLIDER PIN RELEASE MECHANISM</i>	☞ <b>**NOTE**</b> HENDRICKSON QUIK-DRAW AIR OPERATED SLIDER REPOSITIONING SYSTEM INCLUDED IN SUSPENSION
<i>CONMET WHEEL END SYSTEMS</i>	BASE SPEC:CONMET PRESET+IRON HUB SYSTEM,INCL:CONMET PREMIUM SEAL,BEARING,SPACER &SPINDLE NUT

**9-Front Wall**

<i>FRONT CORNER POST</i>	BASE SPEC: .080 EXTRUDED ALUM 4-3/4" RADIUS FRONT CORNER POST WITHOUT INSERT RECEIVERS
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<i>FRONT WALL POSTS</i>	1" "J" EXTRU ALUM FRT WALL POST W/(2) ADDL 3-1/4" DEEP STEEL REEFER UNIT SUPPORT POSTS
<i>FRONT PANELS</i>	.040 ALUM FRONT PANELS
<i>GLADHANDS AND RECEPTACLE</i>	GLADHANDS (W/SCREEN) AND RECEPTACLE MOUNTED ON AN ALUM EXTRU OFFSET TO R/S 30"
<i>FRONT CORNER POST INSERTS</i>	☞ FLAT STAINLESS STEEL INSERTS ON FRONT CORNER POSTS W/ RECEIVERS
<i>REFRIGERATION UNIT OPENING COVER</i>	SHEET METAL COVER (INCLS SEALANT FULL PERIMETER OF OPENING)
<i>PREP FOR THERMO KING/CARRIER REEFER UNIT</i>	PREP FOR LARGE FRONT MOUNT THERMO KING/CARRIER REEFER UNIT *****W/O ELECTRIC STANDBY*****
<b>10-Side Walls</b>	
<i>SIDE PANELS</i>	.040 ALUM FLAT SIDE PANELS
<i>SIDE POSTS</i>	1" "J"SHAPE EXTRU ALUM SIDE POST W/16"MAX C/L FROM FRT TO REAR OF SUPT LEGS W/24" C/L LEGS TO REAR
<i>EXTERIOR SIDE WALL PROTECTION</i>	☞ RUB PROTECTOR(EXT S/WALL)EXTR AL W/END CAPS;(1)MTD ABOVE BOT RAIL FULL LGTH EA SIDE REQUIRED INFORMATION: <u>Dealer must specify location of (1) rub protector c/l of rub rail to top of bottom rail and location of (1) rub protector c/l of rub protector to bottom of top rail.</u> >> APPROX 14-13/16" FOR TOP OF BOTTOM RAIL TO C/L OF RUB PROTECTOR
<i>EXTERIOR SIDE WALL PROTECTION</i>	☞ LOCATE RUB PROTECTOR @ APPROX 14-13/16" FOR TOP OF BOTTOM RAIL TO C/L OF RUB PROTECTOR
<b>11-Roof</b>	
<i>TOP RAILS</i>	6-3/8" HEAVY DUTY EXTRUDED ALUM TOP RAILS
<i>ROOF SKIN</i>	.025 ONE PIECE ALUM COIL ROOF SKIN
<i>ROOF BOWS</i>	☞ 1" EXTRU ALUM "J" SHAPE ROOF BOWS ON 24" C/L
<b>12-Rear Doors</b>	
<i>REAR DOOR TYPE</i>	UTM BARRIER DESIGN DOUBLE SWING REAR DOORS
<i>REAR DOOR PANELS</i>	☞ .040 TRANSLITE POLISHED ALUMINUM DIAMOND PATTERN REAR DOOR PANELS
<i>REAR DOOR CROSSBRACES</i>	☞ EXTEND REAR DOOR HAT SECTION FULL WIDTH WHERE IT MEETS WITH LOWER C/S VENT
<i>REAR DOOR LOCK RODS</i>	☞ (1) ADDITIONAL REAR DOOR LOCK ROD ON BOTH DOORS (TOTAL 4)
<i>REAR DOOR HINGES</i>	☞ (5) REAR DOOR HINGES PER DOOR
<i>VENT DOOR REAR</i>	☞ 6" X 16" REAR VENT W/STAINLESS STEEL COVER ON LOWER C/S (INCLUDES VENT OPENING SCREEN)

<i>HOLDBACKS</i>	CHAIN LINK AND HOOK TYPE DOOR HOLDBACKS
<i>REAR CASE &amp; BUCKPLATE MATERIAL</i>	SST REAR DOOR CASE FOR SWING DOORS
<i>REAR CASE CORNER POSTS &amp; HEADER</i>	➤ SHALLOW REAR WEDGE PORTION OF REAR SWING DOOR HEADER FROM 1-1/8" TO 1/2"
<i>REAR GUSSETS</i>	ENHANCED REAR CORNER GUSSET DESIGN FOR IMPROVED BOTTOM RAIL STRENGTH AT REAR OF TRAILER
<i>GRAB HANDLE AT REAR OF TRAILER</i>	➤ 36" LONG CHROME PLATED GRABHANDLE ON C/S EDGE OF R/S DOOR
<i>BUCKPLATE REINFORCING</i>	➤ 5/8" SST HORIZONTAL FLANGE ON REAR BUCKPLATE (VS STD 3/8")
<i>REAR DOOR HINGE MATERIAL</i>	NON-POLISHED ALUMINUM
<i>REAR DOOR HINGE PIN MATERIAL</i>	➤ <b>**NOTE**</b> Stainless Steel Hinge Pins
<i>CORROSION RESISTANT REAR DOOR HARDWARE</i>	➤ CORROSION RESIST ELECTROPOLISHED SST REAR DOOR HARDWARE SWING DRS (INCL NON-POLISHED ALUM HINGES)

**14-Floor**

<i>FLOOR TYPE</i>	➤ 1-3/8" NOM HD EXTRU ALUM HIGH WEAR DRY FRT FLOOR KNURLED
<i>FLOOR TURN UP</i>	10" HIGH 3/16" HEAVY DUTY EXTRU ALUM NON-TAPERED W/B INTEGRAL W/FLOOR (INCLUDES REINFORCING)
<i>TROUGHS</i>	EXTRU ALUM TROUGH FRONT & REAR
<i>DRAINS</i>	(2) DRAINS FRONT AND (2) REAR
<i>REAR THRESHOLD</i>	HEAVY DUTY EXTRU ALUM WEDGE TYPE REAR THRESHOLD W/(4) DOCK BOARD GUIDE PLATES
<i>FORK LIFT REINFORCING</i>	BEARING GRID SYS AT REAR W/HDWD FILLERS FULL LENGTH & ALUM I CORES REAR 36" OF FLR IN CTR 68"
<i>STUB POSTS</i>	SIDEWALL STUB POST ON 48" C/L

**15-Insulation**

<i>INSULATION TYPE</i>	POLYURETHANE INSULATION FOAMED IN PLACE
<i>FRONT WALL THICKNESS</i>	4" THICK FRONT WALL
<i>SIDE WALL THICKNESS</i>	2" THICK SIDE WALL
<i>ROOF THICKNESS</i>	➤ 2" ROOF INSULATION
<i>FLOOR THICKNESS</i>	➤ 2" FLOOR INSULATION
<i>REAR DOOR THICKNESS</i>	3" THICK REAR DOORS
<i>CROSSMEMBER FLOOR FILLERS</i>	HARDWOOD FLOOR FILLERS FULL LENGTH
<i>FLOOR UNDERSKIN</i>	.035 THERMOPLASTIC FLOOR UNDERSKIN

## 16-Lining

FRONT WALL LINING	.065 (NOM) VERSITEX-UTILITY VR2U FRONT WALL LINING
SIDE WALL LINING	☞ .085 (NOM) VERSITEX-UTILITY VR3U SIDE WALL LINING ***SEE NOTES FOR DISCLAIMER***
ROOF LINING	.065 (NOM) VERSITEX-UTILITY VR2U ROOF LINING
REAR DOOR LINING	.065 (NOM) VERSITEX-UTILITY VR2U REAR DOOR LINING
WEARBAND	☞ 6" EXTRA HEIGHT EXTRUDED ALUM STD DUTY WEARBAND TOTAL OF 16" INCL REINFORCING BEHIND WEARBAND
LOGISTIC RAILS	☞ (1) ROW SERIES "E" GALV RECESS MTD LOG TRACK ON SIDE WALLS REQUIRED INFORMATION: <u>Locate E-track _____ inches from centerline of track to top of floor.</u> >> 54" FROM TOP OF FLOOR TO C/L OF TRACK
LOGISTIC RAILS	☞ LOCATE E-TRACK @ 54" FROM TOP OF FLOOR TO C/L OF TRACK
LOGISTIC RAIL SPL MODIFICATION	☞ REINFORCE "A" OR "E" TYPE LOG TRACK FOR DOUBLE DECKING
WEARBAND ON REAR SWING DOORS	☞ 16" HIGH X 1/8" SMOOTH ALUM WEARBAND W/BEVELED EDGES ON REAR SWING DOORS INCL HARDWOOD REINF
REAR DOOR LINING COVER	24" HIGH EXTRU ALUM REAR DOOR LINING EDGE PROTECTOR

## 17-Electrical System

MAIN HARNESS	UTM MOISTURE RESISTANT "MULTI- PURPOSE" HARNESS W/INTERNAL GROUND AND 7-WAY PLUG
ELECTRICAL RECEPTACLE	7-WAY ELECTRICAL RECEPTACLE W/O CIRCUIT BREAKERS
CLEARANCE LIGHT QUANTITY	☞ 2-3-4-5 CLEARANCE LIGHT PACKAGE (INCLS CLEARANCE LIGHT ON BTM RAIL ABOVE COMBO)
SIDE MOUNTED DIRECTIONAL LIGHT	GROTE SUPERNOVA LED COMBO SIDE MTD DIR/CLRN LIGHT ON BRACKET BELOW BOTTOM RAIL EACH SIDE
STOP/TAIL/TURN LIGHTS	☞ GROTE 4"DIA SST SNAP-IN FLANGE MTD LED(10 DIODE) S/T/T LIGHTS (ENHANCES THEFT RESISTANCE)
LICENSE LIGHT	GROTE MICRONOVA L.E.D. LICENSE LIGHT
CONSPICUITY TAPE LOCATION	CONSPICUITY TAPE ON BOTTOM RAILS AND AT REAR OF TRAILER (FOR D.O.T. MINIMUM LOCATION)
CONSPICUITY TAPE	FACTORY CHOICE CONSPICUITY TAPE
UPPER CLEARANCE LIGHTS	FACTORY CHOICE LED UPPER SIDE RAIL CLEARANCE LIGHTS WITH 3" MOUNTING HOLE C/L
LOWER CLEARANCE LIGHTS	☞ LOWER REAR CLEAR/ABS LGTS MTD OUTBOARD ON FLUSH VERTICAL FACE OF REAR CORNER GUSSET R/S & C/S
ABS (ANTI-LOCK) WARNING LIGHT	GROTE MICRONOVA L.E.D. PC RATED LIGHT

STOP/TAIL/TURN LIGHT  
CONFIGURATION

GROUPED STOP/TAIL/TURN LIGHTS

REAR HEADER CLEARANCE  
LIGHTS

☞ (5) GROTE MICRONOVA L.E.D. P2 RATED MULTI-FUNCTION LIGHTS  
ON REAR SWING DOOR HEADER

**18-Finish Specifications**

TOP FRONT & TOP SIDE RAIL  
FINISH

NATURAL ALUM FINISH TOP FRONT & TOP SIDE RAILS

BOTTOM SIDE RAIL FINISH

NATURAL ALUM FINISH BOTTOM SIDE RAILS

FRONT CORNER POST FINISH

NATURAL ALUMINIUM FINISH FRONT CORNER POSTS

FRONT PANEL FINISH

PREPAINTED WHITE FRONT PANELS

SIDE PANEL FINISH

PREPAINTED WHITE SIDE PANELS

REAR DOOR PANEL FINISH

PREPAINTED WHITE REAR DOOR PANEL FINISH

FRONT APPROACH PLATE  
FINISH

NATURAL ALUM FINISH FRONT APPROACH PLATE

FRONT SUBFRAME ASSEMBLY  
FINISH

FRONT SUBFRAME FULLY IMMERSSED IN BLACK RUST  
PREVENTATIVE FINISH (ZERO VOC HOT DIP)

SUPPORT LEG FINISH

UTM BLACK SCHARPF ON SUPPORT LEGS

REAR SUBFRAME FINISH

UTM BLACK SCHARPF ON REAR SUBFRAME

REAR CASE FINISH

SATIN FINISH STAINLESS STEEL REAR CASE

VRTCL & HORZNTL DOCK  
BMPR FINISH

UTM BLACK ENAMEL FINISH ON HORIZ DOCK BUMPER; BLACK  
SCHARPF ON VERTICAL DOCK BUMPER

ROOF EXTERIOR FINISH

NATURAL ALUM ROOF EXTERIOR FINISH

TRAILER  
ELECTROLYSIS/CORROSION  
PREVENTION

☞ CORROSION RESISTANT PACKAGE (INCLS 8 MIL THICK  
BARRIER,FOAM TAPE AND CAULKING)

**19-Miscellaneous**

MUDFLAP TYPE

☞ BLACK PLASTIC ANTI-SAIL MUDFLAPS W/UTM LOGO, MTD WITH  
STEEL REINFORCING STRAPS

PERMIT HOLDER

☞ TRUCKLITE #97960 ROUND PERMIT HOLDER MTD ON FRONT WALL  
REQUIRED INFORMATION:  
Dealer must specify location of permit/document/registration holder on  
either R/S, C/S or C/L in special instructions unless otherwise stated in  
the option description.

>> R/S

SIDE MOUNTED  
AERODYNAMIC AIR  
DEFLECTORS

BASE SPEC:USS120A-4 "ADVANCED" AERODYNAMIC BLACK SIDE  
SKIRT MTD BELOW BOTTOM RAIL

**20-Tires and Wheels**



22.5"X8.25"STANDARD WIDTH  
WHEELS

22.5" STANDARD PROFILE  
TIRES

☞ 12 - 22.5X8.25 ALCOA HIGH POLISH ULTRA ONE ALUMINUM 10H/P  
#ULA187 10 HAND HOLE

☞ 12 - 11R 22.5 MICH XTE 14P 41.00" TIRE DIA. LOAD RANGE 'G' MAX  
SPEED RATED @75 MPH; TRRL =<6.0

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## Special Instructions

None.

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## Weight

Total Weight 15,542 lbs. (+/- 3%)

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## Terms & Conditions