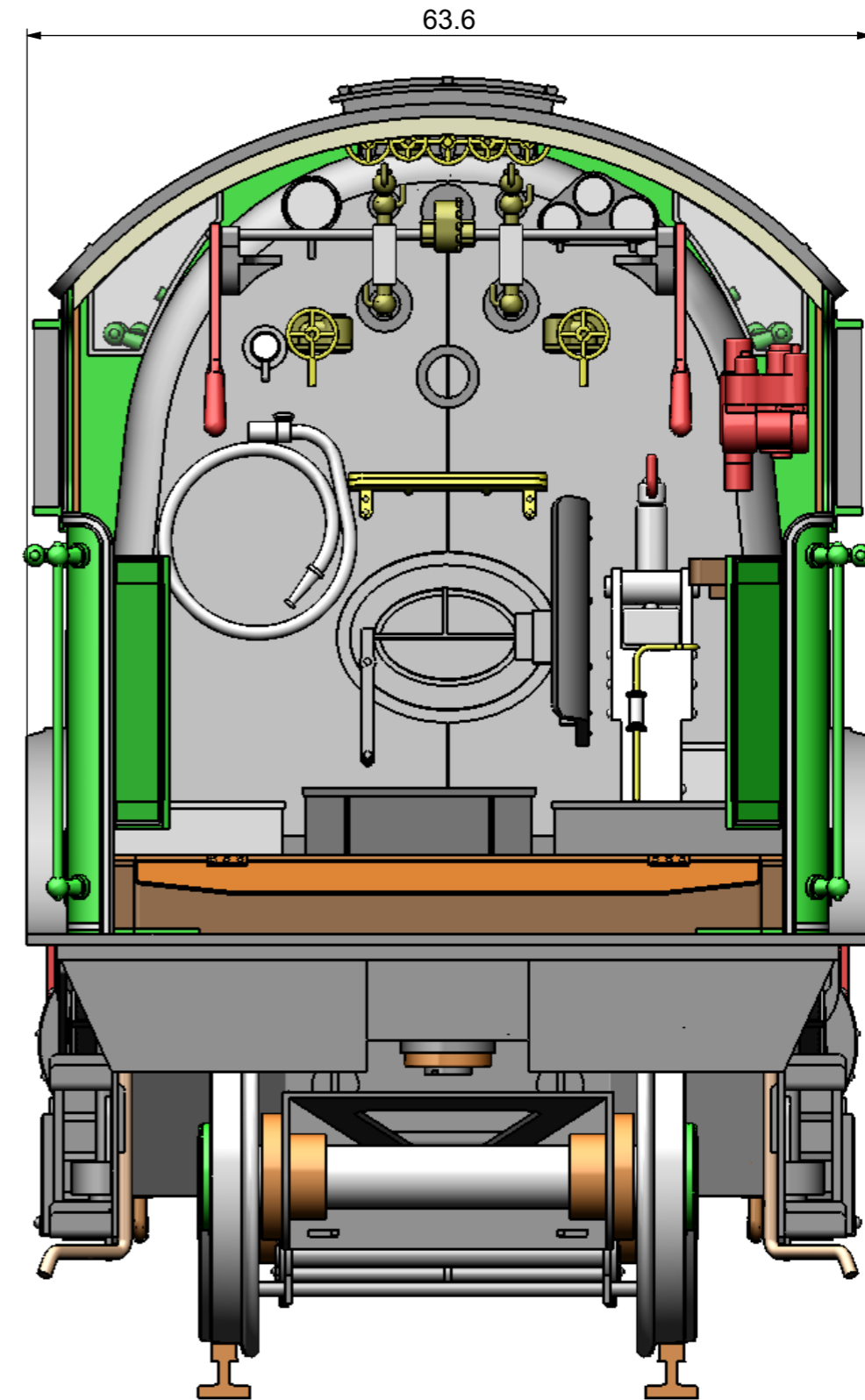
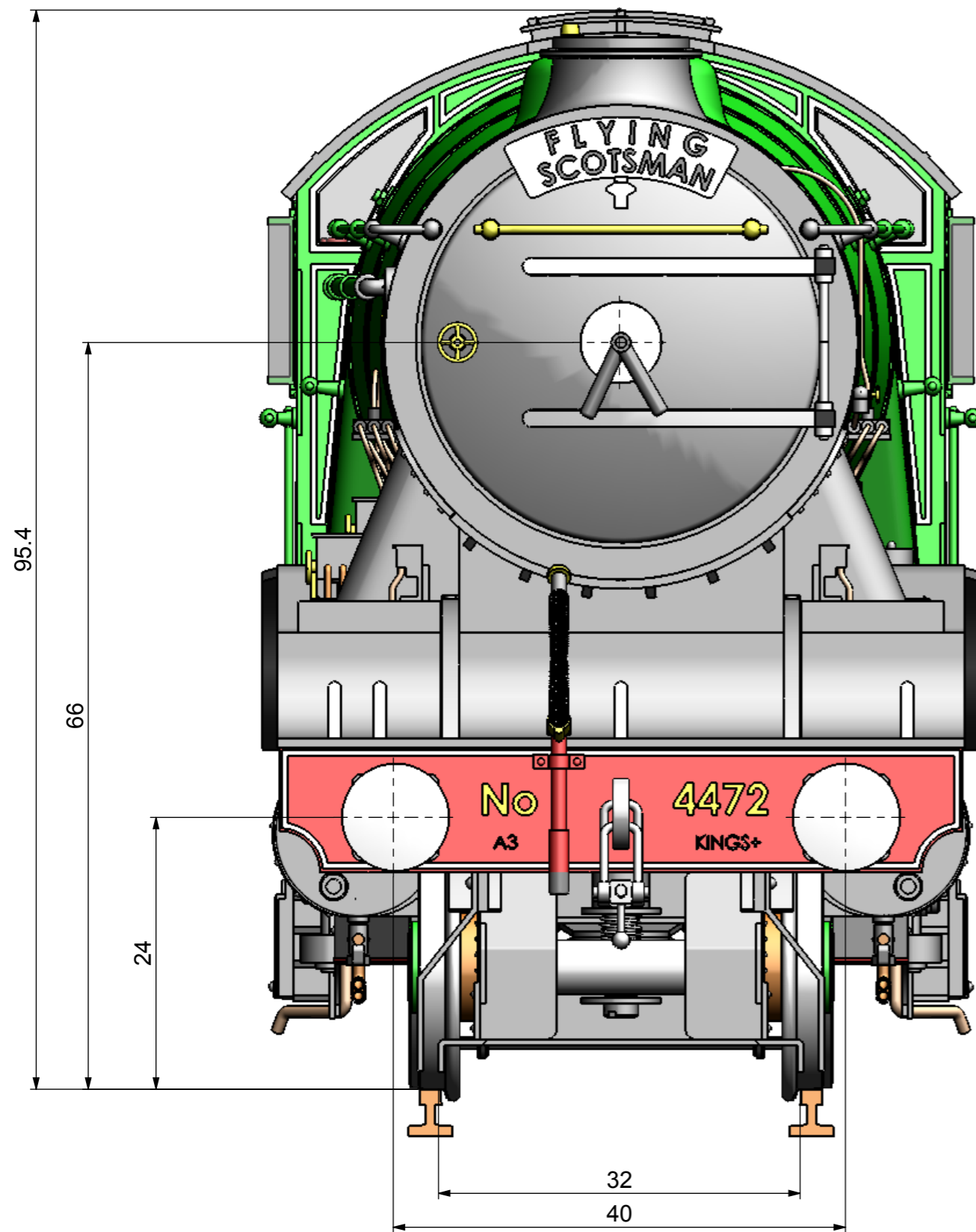


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm GENERAL ARRANGEMENT	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00	DRAWING NUMBER	F5M-32-001A	SHEET	
	REV	DESCRIPTION		DATE	SEPT 2011	SCALE	NTS@A3 or AS SHOWN	ISHT OF SHT		REV	A
IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm			DO NOT SCALE OF DRAWING			REMOVE ALL BURS AND SHARP EDGES					



TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE FRONT AND REAR VIEW
 A3

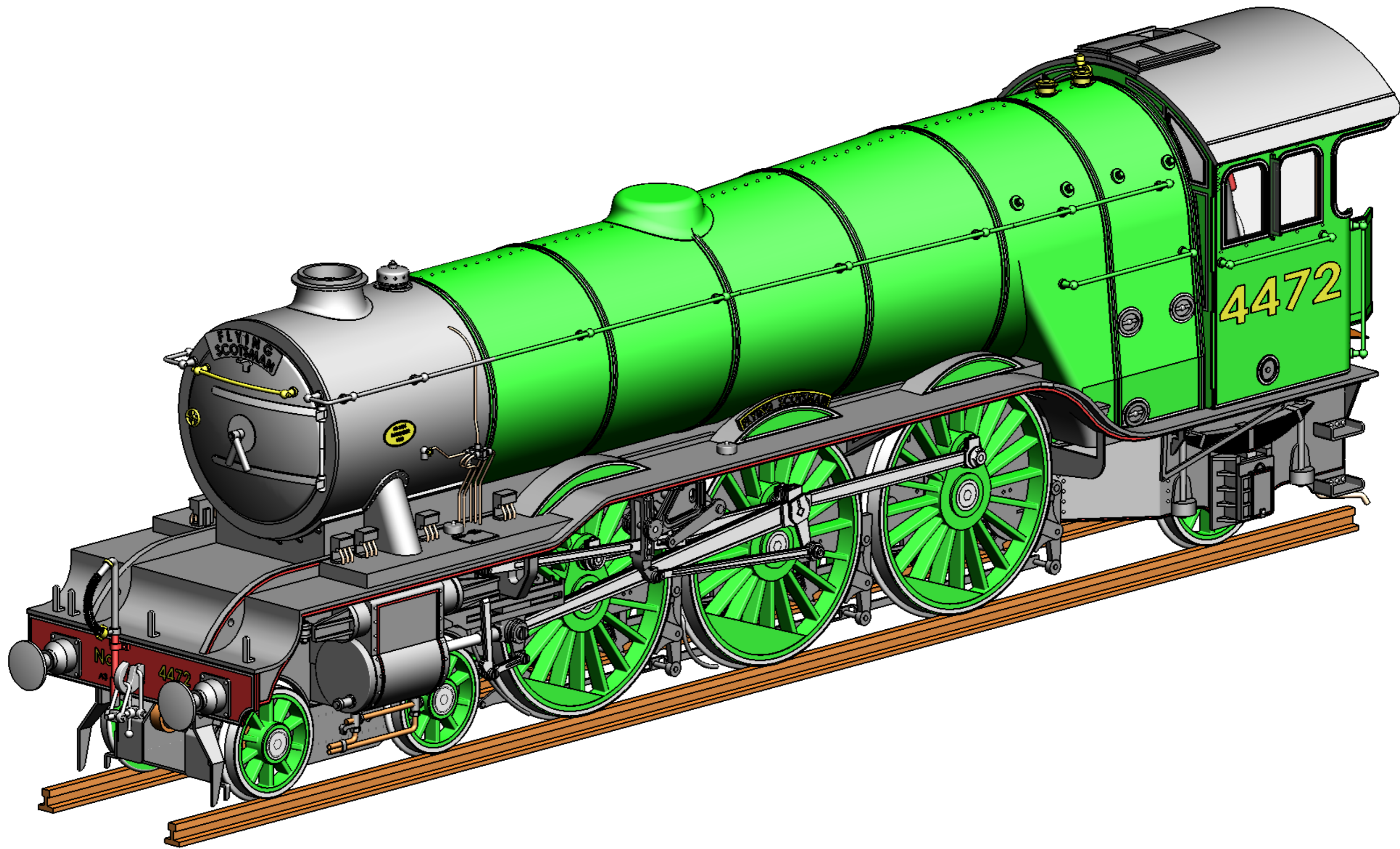
JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	DATE SEPT 2011
ISSUED FOR CONSTRUCTION		
DESCRIPTION		
REV		

PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-001B	SHEET A
PROJECTION AS SHOWN	SCALENTS@A3 or AS SHOWN	ISHT OF SHT A

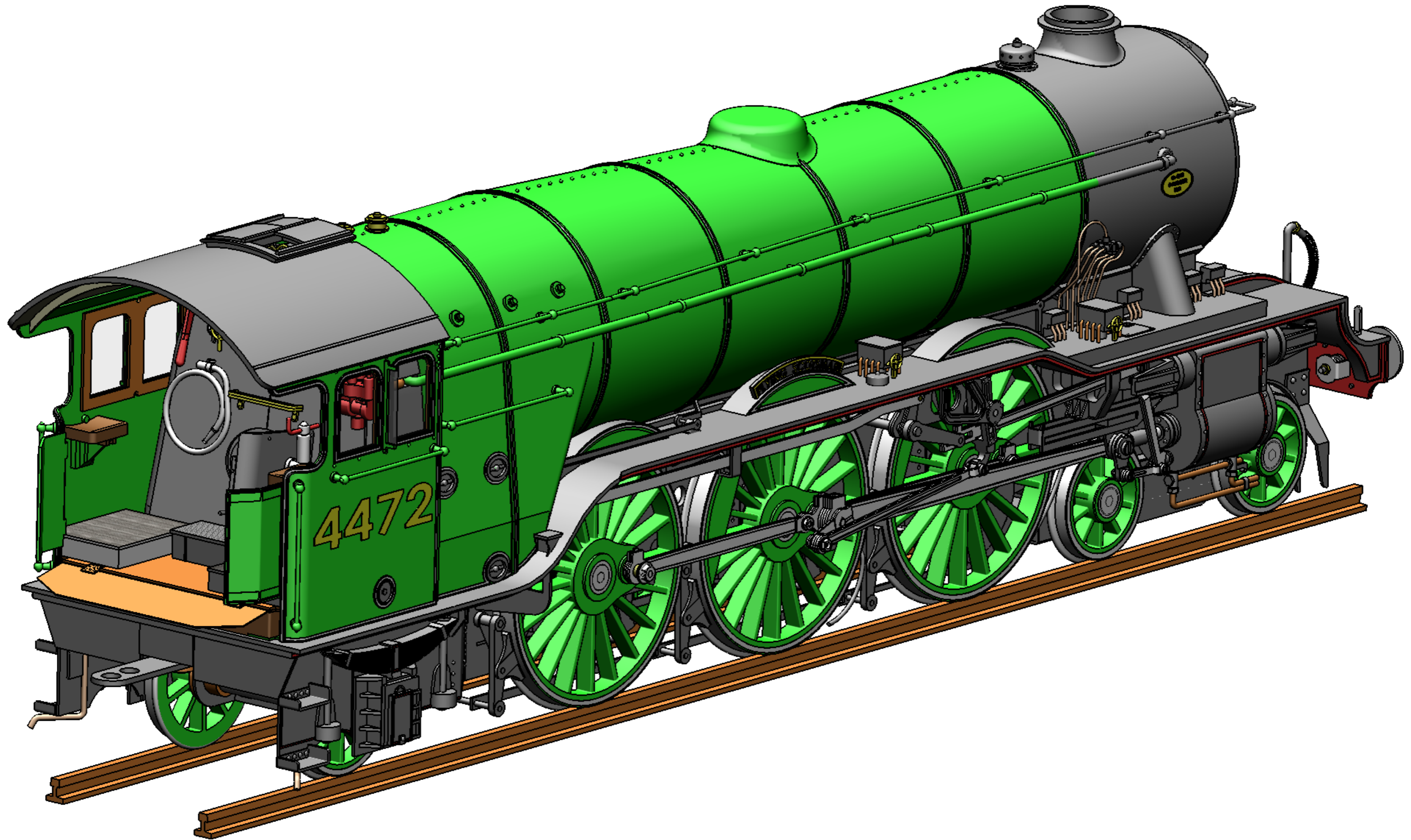
IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES



A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm FRONT ISOMETRIC VIEW	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECTION		DRAWING NUMBER	FSM-32-001C	SHEET	
	PROJECT No:	01-04-10-09-00		DATE	SEPT 2011	SCALENTS@A3 or AS SHOWN	ISHT OF SHT		REV	A	
IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm			DO NOT SCALE OF DRAWING			REMOVE ALL BURS AND SHARP EDGES					

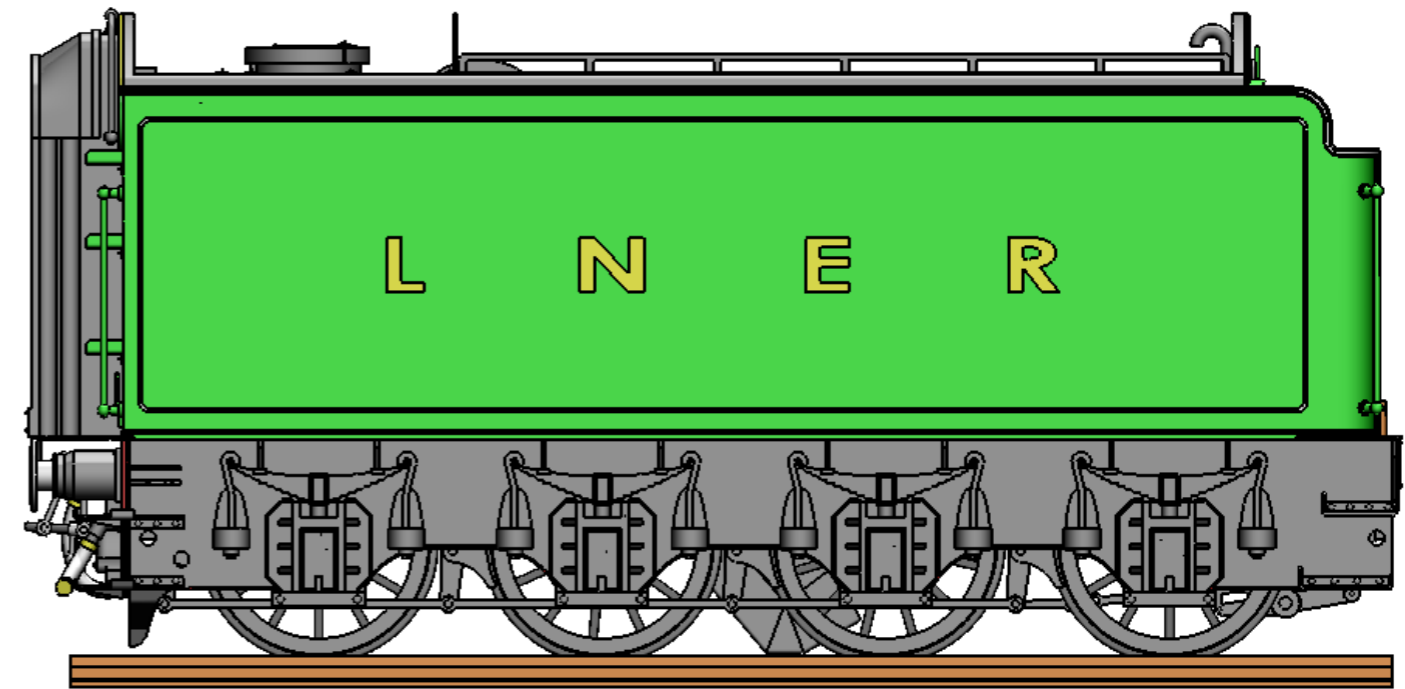
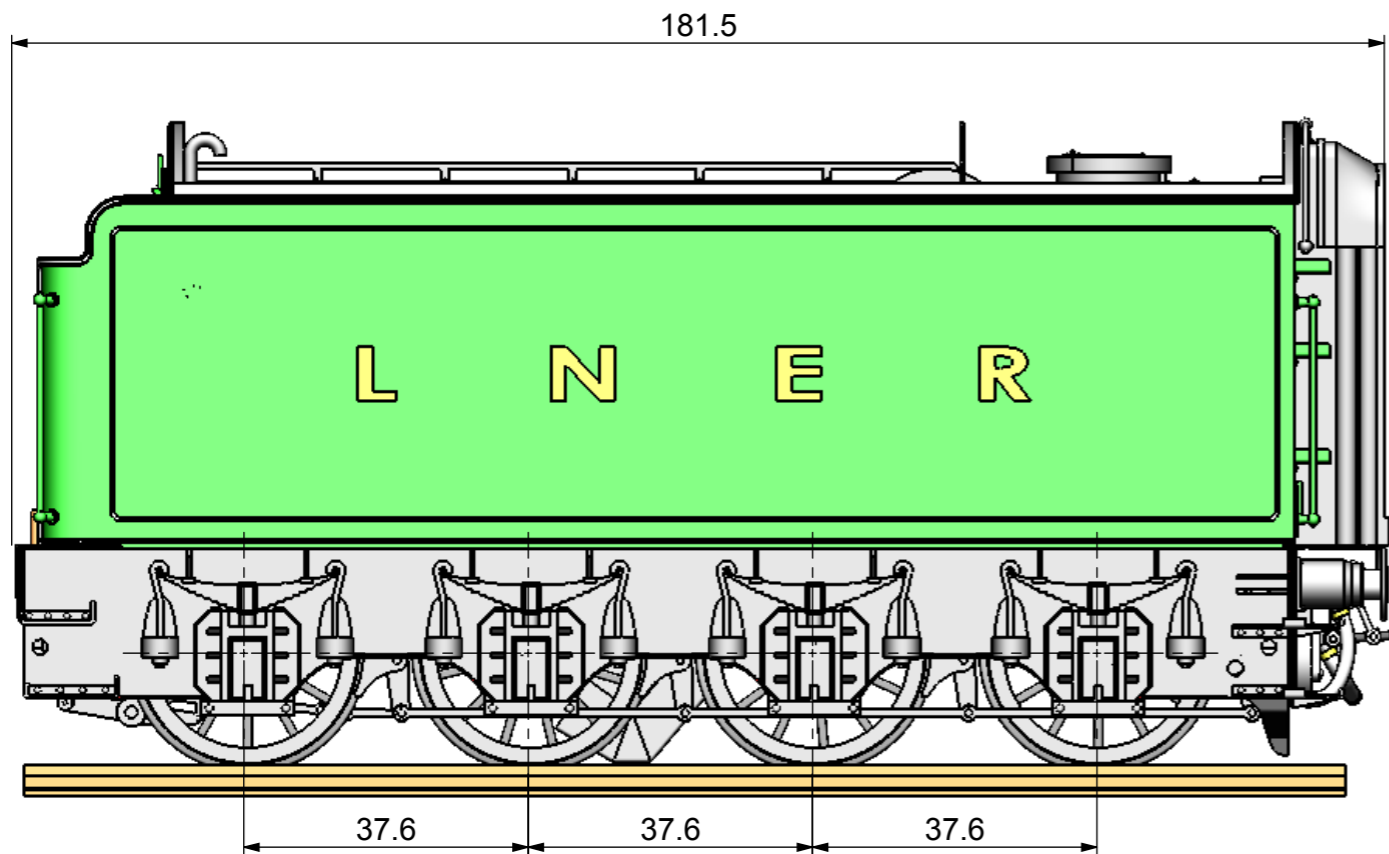
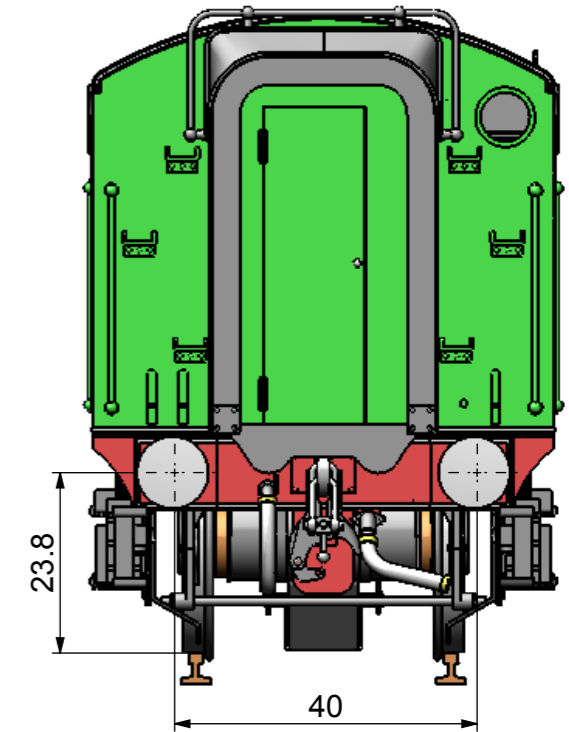
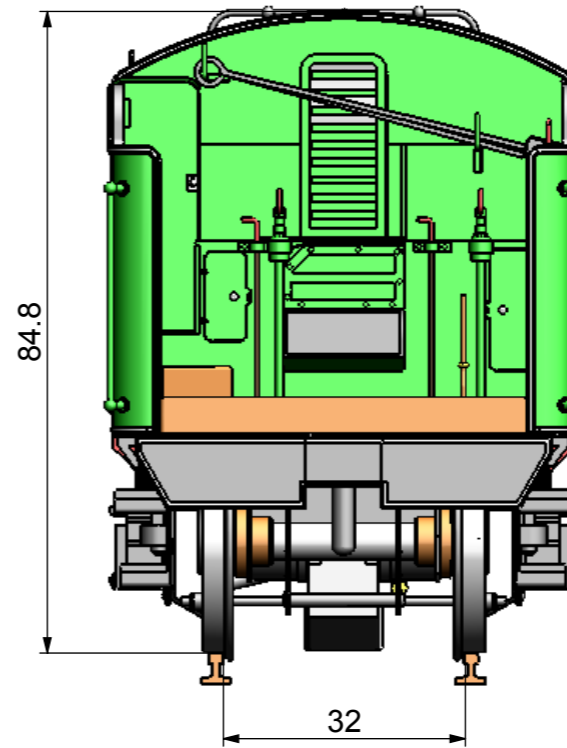
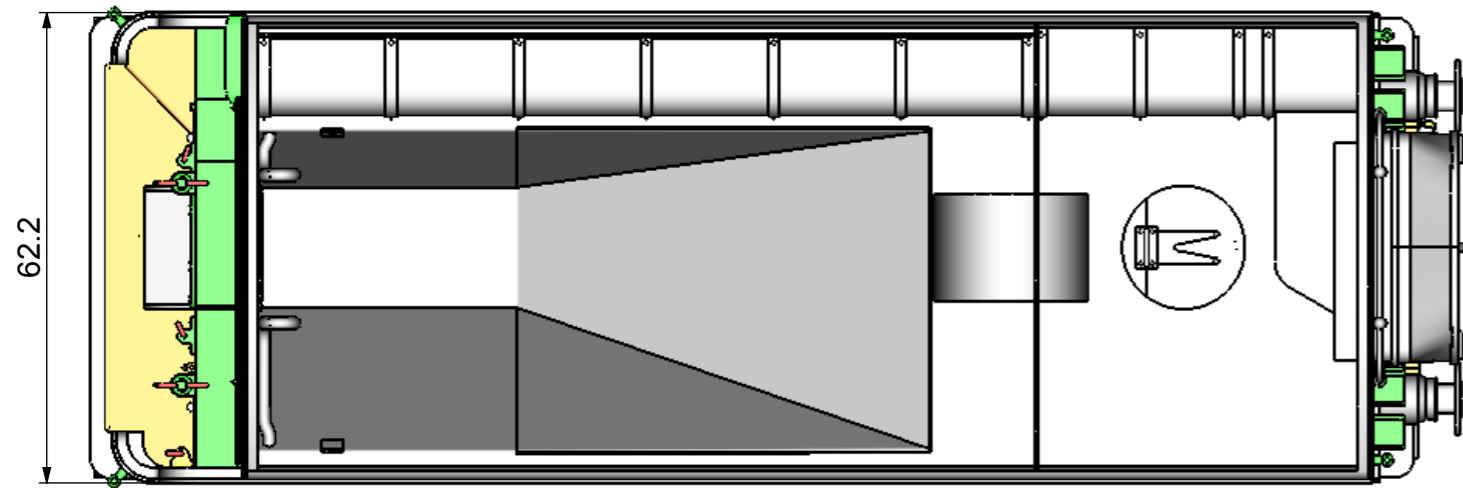


A3	TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm REAR ISOMETRIC VIEW			JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-001D	SHEET
	A ISSUED FOR CONSTRUCTION	REV DESCRIPTION	DATE		DATE SEPT 2011	PROJECTION 	SCALES@A3 or AS SHOWN	ISHT OF SHT

IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES

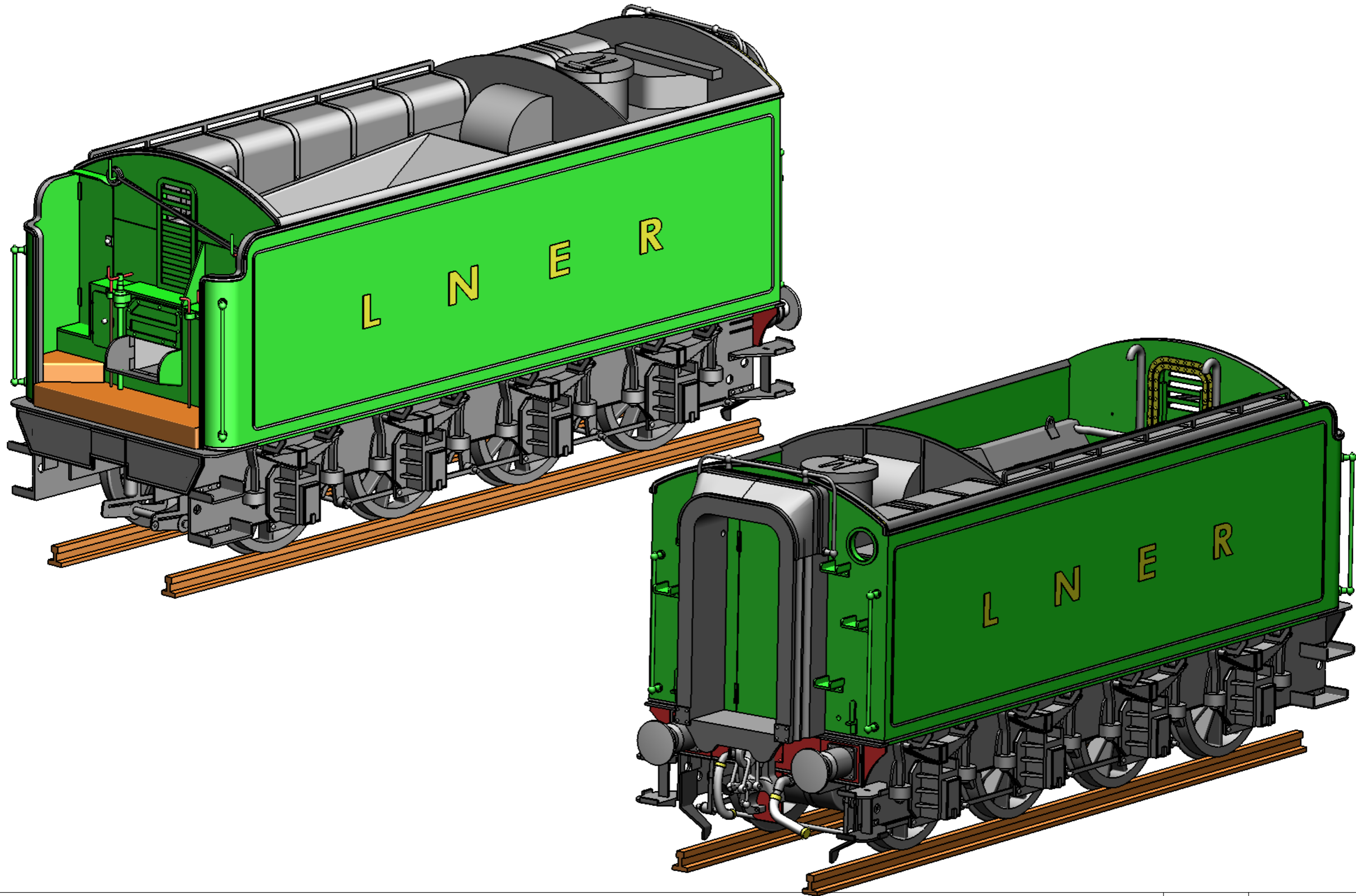


A3 TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER GENERAL ARRANGEMENT

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz
ISSUED FOR CONSTRUCTION
DESCRIPTION
DATE

DRAWN BY
J.A.M. DE WAAL
DATE
SEPT 2011

PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-001E	SHEET A
PROJECTION FIRST ANGLE	SCALENTS@A3 or AS SHOWN	ISHT OF SHT



A3 TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER ISOMETRIC VIEWS

PROJECT No: 01-04-10-09-00		DRAWING NUMBER FSM-32-001F		SHEET A	
DRAWN BY J.A.M. DE WAAL		PROJECTION 		SCALENTS@A3 or AS SHOWN	
DATE SEPT 2011		JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		ISSUED FOR CONSTRUCTION	
REV	DESCRIPTION	DATE			

IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES

QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER
1	FSM-32-001-001A-LOCO LH CAB SIDE	1	FSM-32-024-076A-LOCO WASHER	1	FSM-32-042-169-LOCO RH-REAR COUPLING ROD BACKING PLATE
1	FSM-32-001-001B-LOCO RH CAB SIDE	2	FSM-32-024-077-LOCO AXLE SPRING	2	FSM-32-043-170-LOCO COUPLING ROD BIG END
1	FSM-32-001-002-LOCO LH CAB FRONT AND FLOOR	4	FSM-32-024-078-LOCO AXLE SPRING SIDE DETAIL	1	FSM-32-043-171-LOCO LH-LEAD COUPLING ROD DETAIL PLATE
4	FSM-32-001-003-LOCO CAB SIDE WINDOW BEADING	2	FSM-32-024-079-LOCO AXLE SPRING CENTRE DETAIL	1	FSM-32-043-172-LOCO LH-LEAD COUPLING ROD BACKING PLATE
1	FSM-32-001-004A-LOCO RH-FRONT WINDOW BEADING	4	FSM-32-027-085-LOCO SELF TAPPING SCREW	1	FSM-32-043-173-LOCO LH-REAR COUPLING ROD DETAIL PLATE
1	FSM-32-001-004B-LOCO LH-FRONT WINDOW BEADING	2	FSM-32-027-086-LOCO FRONT SPLASHERS	1	FSM-32-043-174-LOCO LH-REAR COUPLING ROD BACKING PLATE
2	FSM-32-001-005-LOCO WASH-OUT HOLE BEADING	2	FSM-32-027-087-LOCO REAR SPLASHERS	2	FSM-32-044-176-LOCO RETURN CRANK DETAIL PLATE
2	FSM-32-001-006-LOCO WASH-OUT HOLE BEADING	1	FSM-32-027-088A-LOCO LH-SANDBOX	2	FSM-32-044-177-LOCO RETURN CRANK BACKING PLATE
1	FSM-32-001-007A-LOCO LH-CAB EDGE BEADING	1	FSM-32-027-088B-LOCO RH-SANDBOX	2	FSM-32-044-178-LOCO LIFT LINK
1	FSM-32-001-007B-LOCO RH-CAB EDGE BEADING	1	FSM-32-028-089-LOCO WASHER	1	FSM-32-044-178-LOCO LIFT LINK
1	FSM-32-002-008-LOCO FOOTPLATE	1	FSM-32-028-090-LOCO WASHER	1	FSM-32-044-178-LOCO LIFT LINK
1	FSM-32-003-009-LOCO TENDER DRAW BAR	1	FSM-32-028-091-LOCO WASHER	2	FSM-32-044-179-LOCO BELL CRANK
1	FSM-32-003-010-LOCO RH-CHASSIS FRAME	1	FSM-32-028-092-LOCO FRONT SANDING LEVER	2	FSM-32-044-180-LOCO CENTRE BIG END
3	FSM-32-003-011-LOCO BRASS BUSH	1	FSM-32-028-093-LOCO 0.5mm WIRE	2	FSM-32-044-181-LOCO MOTION BRACKET COVER PLATE
1	FSM-32-004-012-LOCO FRONT CHASSIS FIXER PLATE	1	FSM-32-028-094-LOCO REAR SANDING LEVER	1	FSM-32-045-182-LOCO DRIVING WHEEL
1	FSM-32-004-013-LOCO REAR CHASSIS FIXER PLATE	1	FSM-32-028-095-LOCO ASHPAN LEVER	1	FSM-32-045-183-LOCO DRIVING WHEEL AXLE
4	FSM-32-004-014-LOCO M2x4mm PAN HEAD SCREW	2	FSM-32-029-096-LOCO SIGHT GLASS	1	FSM-32-045-184-LOCO M2.4 x 6 C-SINK ALLEN SCREW
2	FSM-32-004-015-LOCO CHASSIS FRAME SPACER	2	FSM-32-029-097-LOCO VALVE FITTING	1	FSM-32-045-185-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-005-016-LOCO LH-CHASSIS FRAME	1	FSM-32-029-098-LOCO WHISTLE	1	FSM-32-045-186-LOCO DRIVING WHEEL CRANK BRASS BUSH
3	FSM-32-005-017-LOCO BRASS BUSH	1	FSM-32-029-099-LOCO STEAM COCK	1	FSM-32-045-187-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-006-018-LOCO REAR FRAME	1	FSM-32-029-101-LOCO GNR STANDARD LAMP BRACKET	1	FSM-32-046-189-LOCO DRIVING WHEEL
1	FSM-32-006-019-LOCO REAR FRAME FILLET PLATE	1	FSM-32-029-102-LOCO REVERSING HANDLE	1	FSM-32-046-190-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-006-020-LOCO DRAW BAR BACKING PLATE	1	FSM-32-029-103-LOCO EJECTOR PIPE FITTING	1	FSM-32-046-191-LOCO LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-006-021-LOCO TENDER LOCO COUPLING PLATE PLATE	1	FSM-32-030-104-LOCO SHELF	1	FSM-32-046-192-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-006-022-LOCO M2 NUT	1	FSM-32-030-105-LOCO SHELF DETAIL PLATE	1	FSM-32-046-194-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-007-023-LOCO DRAW BAR DETAIL PLATE	3	FSM-32-030-107-LOCO LARGE HAND WHEEL	2	FSM-32-047-195-LOCO LEAD COUPLING ROD RETAINER
1	FSM-32-007-024A-LOCO RH-REAR FRAME STEP TREAD	1	FSM-32-030-107-LOCO LARGE HAND WHEEL	2	FSM-32-047-196-LOCO REAR COUPLING ROD RETAINER
1	FSM-32-007-024B-LOCO LH-REAR FRAME STEP TREAD	2	FSM-32-030-108-LOCO SMALL HAND WHEEL	2	FSM-32-047-197-LOCO COUPLING ROD FIXING PIN
4	FSM-32-007-025-LOCO STEP TREAD RIVET STRIP	2	FSM-32-030-109-LOCO HAND WHEEL WITH HANDLE	2	FSM-32-047-198-LOCO RETURN CRANK FIXING PIN
2	FSM-32-008-026-LOCO AXLE BOX	2	FSM-32-030-111A-LOCO SANDBOX DOWN PIPE	2	FSM-32-048-199-LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-008-027A-LOCO RH-AXLE BOX FACE PLATE	1	FSM-32-030-111B-LOCO SAND PIPE	2	FSM-32-048-200-LOCO LVALVE-GEAR BRASS BUSH
1	FSM-32-008-027B-LOCO LH-AXLE BOX FACE PLATE	1	FSM-32-030-111C-LOCO SAND PIPE	2	FSM-32-048-201-LOCO M1.2x7mm CHEES HEAD SCREW
1	FSM-32-008-028-LOCO TENDER DRAW BARBUSH	1	FSM-32-030-111D-LOCO REGULATOR HANDLE SPINDLE	4	FSM-32-048-202-LOCO M1.2 NUT
5	FSM-32-008-029-LOCO M2x4mm PAN HEAD SCREW	6	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM	2	FSM-32-055-221-LOCO LH-BRAKE
1	FSM-32-009-030-LOCO CAB FLOOR	6	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM	1	FSM-32-055-222-LOCO LH-REAR BRAKE
1	FSM-32-009-031-LOCO CAB FLOOR FALL PLATE	1	FSM-32-034-120-LOCO DRIVING WHEEL	2	FSM-32-056-223-LOCO RH-BRAKE
1	FSM-32-009-032-LOCO CAB FLOOR DETAIL	1	FSM-32-034-121-LOCO DRIVING WHEEL AXLE	1	FSM-32-056-224-LOCO RH REAR BRAKE
2	FSM-32-010-034-LOCO CAB SIDE INNER WINDOW FRAME	1	FSM-32-034-122-LOCO M2.4 x 6 C-SINK ALLEN SCREW	2	FSM-32-057-225-LOCO BRAKE PULL ROD
2	FSM-32-010-035-LOCO CAB ROOF VENT HATCH	1	FSM-32-034-123-LOCO M1.2x14mm CHEES HEAD SCREW	1	FSM-32-057-226-LOCO 1.6mm WIRE
2	FSM-32-010-036-LOCO CAB SCINDER GUARD	1	FSM-32-034-125-LOCO DRIVING WHEEL CRANK WASHER	3	FSM-32-057-227-LOCO 1.0mm WIRE
2	FSM-32-010-037-LOCO CAB DOOR	1	FSM-32-035-127-LOCO DRIVING WHEEL	1	FSM-32-057-227-LOCO 1.0mm WIRE
1	FSM-32-011-038A-LOCO LH-CAB SIDE TRIM	1	FSM-32-035-128-LOCO M1.2x14mm CHEES HEAD SCREW	2	FSM-32-057-227A-LOCO INJECTOR PIPE
1	FSM-32-011-038B-LOCO RH-CAB SIDE TRIM	1	FSM-32-035-130-LOCO DRIVING WHEEL CRANK WASHER	1	FSM-32-057-228-LOCO BRAKE PULL ROD LEVER
4	FSM-32-011-038C-LOCO CAB SIDE WINDOW TRIM	1	FSM-32-035-132-LOCO M2.4 x 6 C-SINK ALLEN SCREW	1	FSM-32-058-229-LOCO FRONT BOGIE BODY
2	FSM-32-011-038D-LOCO WASH-OUT HOLE TRIM	2	FSM-32-036-133-LOCO LARGE FOOTPLATE SUPPORT	1	FSM-32-058-230-LOCO FRONT BOGIE BODY FIXER PLATE
1	FSM-32-011-038E-LOCO CAB LH-SIDE TRIM	2	FSM-32-036-134-LOCO SMALL FOOTPLATE SUPPORT	1	FSM-32-059-231A-LOCO FRONT BOGIE LH-DETAIL PLATE
1	FSM-32-011-038F-LOCO CAB RH-SIDE TRIM	1	FSM-32-036-135-LOCO SMALL FOOTPLATE SUPPORT BRACKET	1	FSM-32-059-231B-LOCO FRONT BOGIE RH-DETAIL PLATE
2	FSM-32-011-038G-LOCO CAB DOOR TRIM	1	FSM-32-036-136-LOCO SUPPORT BRACKET DETAIL PLATE	1	FSM-32-059-232A-LOCO FRONT BOGIE LH-DUST GAURD
2	FSM-32-011-038H-LOCO CAB FRONT SIDE TRIM	2	FSM-32-036-137-LOCO BRAKE GEAR SUPPORT	1	FSM-32-059-232B-LOCO FRONT BOGIE RH-DUST GAURD
2	FSM-32-011-038J-LOCO CAB FRONT TOP TRIM	1	FSM-32-036-138A-LOCO RH-GUARD IRONS	1	FSM-32-060-233-LOCO PONY BODY
4	FSM-32-015-046A-LOCO SIDE WINDOW	1	FSM-32-036-138B-LOCO LH-GUARD IRONS	1	FSM-32-060-234-LOCO PONY BODY SUPPORT
2	FSM-32-015-046B-LOCO FRONT WINDOW	1	FSM-32-037-140-LOCO LH-CENTRE SPLASHER	2	FSM-32-060-235-LOCO PONY WHEEL BUSH
8	FSM-32-015-047-LOCO HANDRAIL KNOB	1	FSM-32-037-141-LOCO LH-REAR SPLASHER	2	FSM-32-060-236-LOCO DRIVING WHEEL LARGE BALANCE WEIGHT
2	FSM-32-015-048A-LOCO HANDRAIL 29.2	1	FSM-32-037-142-LOCO LH-FOOT STEP	4	FSM-32-060-237-LOCO DRIVING WHEEL SMALL BALANCE WEIGHT
2	FSM-32-015-048B-LOCO HANDRAIL 27	1	FSM-32-038-144-LOCO RH-CENTRE SPLASHER	1	FSM-32-061-239-LOCO PONY WHEEL AXLE
1	FSM-32-015-049-LOCO CAB ROOF	1	FSM-32-038-145-LOCO RH-REAR SPLASHER	1	FSM-32-061-240-LOCO PONY WHEEL
1	FSM-32-015-050-LOCO CAB ROOF BEADING	1	FSM-32-038-146-LOCO LH-FOOT STEP	1	FSM-32-061-241-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-015-051-LOCO CAB ROOF VENT	1	FSM-32-039-147-LOCO DRIVING WHEEL	4	FSM-32-062-242A-LOCO BOGIE WHEEL TRIM
1	FSM-32-016-052-LOCO BOILER BACKHEAD	1	FSM-32-039-148-LOCO DRIVING WHEEL AXLE	2	FSM-32-062-242B-LOCO PONY WHEEL TRIM
1	FSM-32-017-053-LOCO BOILER	1	FSM-32-039-149-LOCO M2.4 x 6 C-SINK ALLEN SCREW	6	FSM-32-062-242C-LOCO BOGIE-PONY WHEEL CENTRE TRIM
1	FSM-32-018-055-LOCO BOILER SADDLE	1	FSM-32-039-150-LOCO M1.2x14mm CHEES HEAD SCREW	1	FSM-32-063-244-LOCO PONY WHEEL
2	FSM-32-018-056-LOCO M2 x12.7 C-SINK SCREW	1	FSM-32-039-151-LOCO DRIVING WHEEL CRANK BRASS BUSH	1	FSM-32-063-245-LOCO M2.4 x 6 C-SINK ALLEN SCREW
2	FSM-32-018-057-LOCO M2 NUT	1	FSM-32-039-152-LOCO DRIVING WHEEL CRANK WASHER	3	FSM-32-064-246-LOCO M2x4mm PAN HEAD SLOTTED SCREW
1	FSM-32-021-064-LOCO SMOKEBOX DOOR HANDLE	1	FSM-32-040-154-LOCO DRIVING WHEEL	1	FSM-32-064-247-LOCO BOGIE CENTRE SPRING
1	FSM-32-021-065-LOCO BRAKE HOSE	1	FSM-32-040-155-LOCO M1.2x14mm CHEES HEAD SCREW	4	FSM-32-064-248-LOCO FRONT BOGIE WHEEL BUSH
1	FSM-32-021-066-LOCO REGULATOR CONTROL HOUSING	1	FSM-32-040-156-LOCO DRIVING WHEEL CRANK BRASS BUSH	1	FSM-32-064-249-LOCO BOGIE CENTRE FIXING SLEEVE
1	FSM-32-021-067A-LOCO LH-VALVE FITTING	1	FSM-32-040-157-LOCO DRIVING WHEEL CRANK WASHER	1	FSM-32-064-250-LOCO PONY PIVOT BUSH
1	FSM-32-021-067B-LOCO RH-VALVE FITTING	1	FSM-32-040-159-LOCO M2.4 x 6 C-SINK ALLEN SCREW	1	FSM-32-065-251-LOCO BOGIE WHEEL AXLE
1	FSM-32-022-068-LOCO WASHER	1	FSM-32-041-160-LOCO BRAKE CONTROL	1	FSM-32-065-252-LOCO BOGIE WHEEL
2	FSM-32-022-069-LOCO AXLE SPRING	1	FSM-32-041-161-LOCO SCREW REVERSER	1	FSM-32-065-253-LOCO M2.4 x 6 C-SINK ALLEN SCREW
4	FSM-32-022-070-LOCO AXLE SPRING SIDE DETAIL	1	FSM-32-041-162-LOCO LH-CAB FLOOR COVER	1	FSM-32-066-254-LOCO BOGIE WHEEL
2	FSM-32-022-071-LOCO AXLE SPRING CENTRE DETAIL	1	FSM-32-041-163-LOCO CAB LINKAGE COVER	1	FSM-32-066-255-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-023-072-LOCO WASHER	1	FSM-32-041-164-LOCO CAB REVERSING LINKAGE	1	FSM-32-067-256-LOCO BOGIE WHEEL AXLE
2	FSM-32-023-073-LOCO AXLE SPRING	2	FSM-32-042-165-LOCO COUPLING ROD BIG END	1	FSM-32-067-257-LOCO BOGIE WHEEL
4	FSM-32-023-074-LOCO AXLE SPRING SIDE DETAIL	1	FSM-32-042-166-LOCO RH-LEAD COUPLING ROD DETAIL PLATE	1	FSM-32-067-258-LOCO M2.4 x 6 C-SINK ALLEN SCREW
2	FSM-32-023-075-LOCO AXLE SPRING CENTRE DETAIL	1	FSM-32-042-167-LOCO RH-LEAD COUPLING ROD BACKING PLATE	1	FSM-32-068-259-LOCO BOGIE WHEEL
1	FSM-32-024-076-LOCO WASHER	1	FSM-32-042-168-LOCO RH-REAR COUPLING ROD DETAIL PLATE	1	FSM-32-068-260-LOCO M2.4 x 6 C-SINK ALLEN SCREW

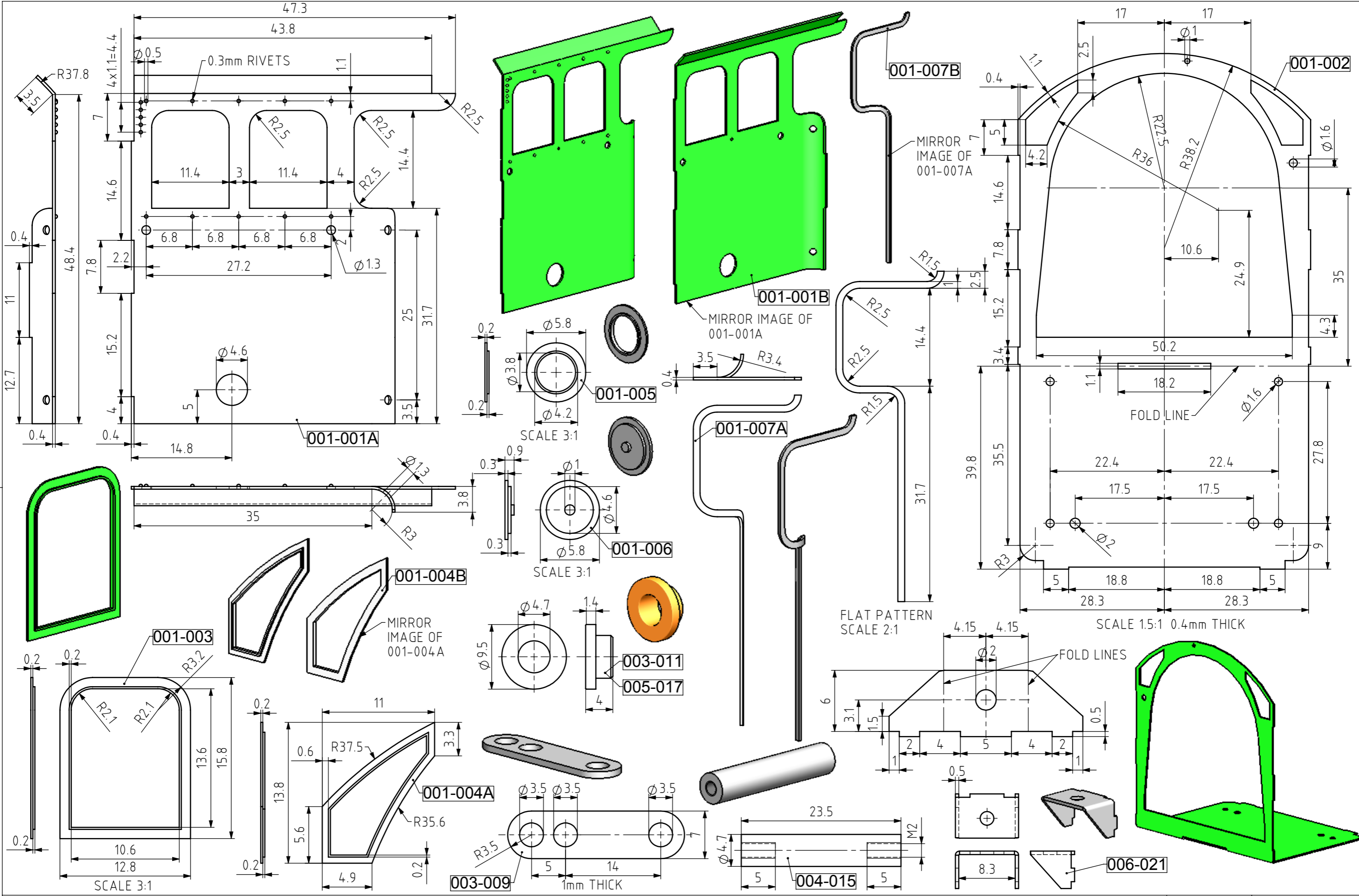
A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00	
	GAUGE 32mm LOCOMOTIVE BILL OF MATERIALS PART 1			PROJECTION		DRAWING NUMBER	FSM-32-002A	
	REV	ISSUED FOR CONSTRUCTION		DATE	SEPT 2011	SCALE	NATS@A3 or AS SHOWN	SHT OF SHT

QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER
1	FSM-32-069-261-LOCO RH-CYLINDER BLOCK PART-A	1	FSM-32-084-342-LOCO FRONT ANTI-VACUUM VALVE	2	FSM-32-115-466B-LOCO BOILER LOWER HAND RAIL
1	FSM-32-069-262-LOCO M2x4mm C'SINK SCREW	1	FSM-32-084-343-LOCO REAR ANTI-VACUUM VALVE	1	FSM-32-116-467-LOCO RH-VALVE COVER
2	FSM-32-069-263-LOCO M2x4,5mm PAN HEAD SLOTTED SCREW	1	FSM-32-085-344-LOCO RH-OUTER CYLINDER BLOCK PART-B	1	FSM-32-116-468-LOCO RH-MECHANICAL LUBRICATOR
1	FSM-32-070-264-LOCO LH-CYLINDER BLOCK PART-A	1	FSM-32-085-345-LOCO FRONT ANTI-VACUUM VALVE	2	FSM-32-116-469-LOCO RH-SAND FILLER CAP
1	FSM-32-070-265-LOCO M2x4mm C'SINK SCREW	1	FSM-32-085-346-LOCO REAR ANTI-VACUUM VALVE	1	FSM-32-116-470-LOCO RH-STEAM PIPE
2	FSM-32-070-266-LOCO M2x4,5mm PAN HEAD SLOTTED SCREW	2	FSM-32-086-348A-LOCO CENTRE SPLASHER TRIM	1	FSM-32-117-471-LOCO LH-VALVE COVER
1	FSM-32-071-267-LOCO LH-CONNECTING ROD BIG END	2	FSM-32-086-348B-LOCO REAR SPLASHER TRIM	1	FSM-32-117-472-LOCO LH-MECHANICAL LUBRICATOR
1	FSM-32-071-268-LOCO LH-CONNECTING ROD DETAIL PLATE	2	FSM-32-086-349-LOCO FRONT SPLASHER TRIM	2	FSM-32-117-473-LOCO LH-SAND FILLER CAP
1	FSM-32-071-269-LOCO LH-CONNECTING ROD CENTRE PLATE	2	FSM-32-086-350-LOCO CAB SIDE NUMBERS	1	FSM-32-117-474-LOCO LH-STEAM PIPE
1	FSM-32-071-270-LOCO LH-CONNECTING ROD BACKING PLATE	1	FSM-32-086-352A-LOCO BUFFER BEAM NUMBERING	8	FSM-32-118-475-LOCO GRAVITY LUBRICATORS
2	FSM-32-071-271-LOCO LH-COMBINATION LINK	1	FSM-32-086-352B-LOCO BUFFER BEAM NUMBERING	1	FSM-32-119-476A-LOCO STEAM COCK PIPE
2	FSM-32-071-272-LOCO LH-VALVE SPINDLE	1	FSM-32-086-353A-LOCO BUFFER BEAM LETTERING	2	FSM-32-119-476B-LOCO ATOMISER PIPE-1
1	FSM-32-072-273-LOCO LH-RADIUS ROD FACE PLATE	1	FSM-32-086-353B-LOCO BUFFER BEAM LETTERING	1	FSM-32-119-476C-LOCO ATOMISER PIPE-3
1	FSM-32-072-274-LOCO LH-RADIUS ROD BACKING PLATE	2	FSM-32-088-356A-LOCO CINDER GUARD WINDOW	3	FSM-32-119-476D-LOCO ATOMISER PIPE-4
1	FSM-32-072-275-LOCO LH-UNION LINK FACE PLATE	1	FSM-32-091-360-LOCO REVERSING ROD SUPPORT BRACKET WRAPPER	3	FSM-32-119-476E-LOCO ATOMISER PIPE-5
1	FSM-32-072-276-LOCO LH-UNION LINK BACKING PLATE	1	FSM-32-091-361-LOCO REVERSING ROD SUPPORT BRACKET	1	FSM-32-119-476F-LOCO STEAM PIPE-6
1	FSM-32-072-277-LOCO LH-RETURN CRANK ROD FACE PLATE	1	FSM-32-099-394-LOCO BUFFER BEAM BACKING PLATE	3	FSM-32-119-476G-LOCO ATOMISER PIPE-2
1	FSM-32-072-278-LOCO LH-RETURN CRANK ROD BACKING PLATE	1	FSM-32-099-395-LOCO BUFFER BEAM	1	FSM-32-119-477A-LOCO EJECTOR PIPE
1	FSM-32-072-279-LOCO LH-RETURN CRANK ROD BIG END	2	FSM-32-099-396-LOCO BUFFER BACKING PLATE	5	FSM-32-119-478-LOCO SPLIT PIN
1	FSM-32-073-280-LOCO RH-CONNECTING ROD BIG END	7	FSM-32-099-397-LOCO WASHOUT PLUG SEATING COVER	2	FSM-32-125-497-LOCO NAME PLATE
1	FSM-32-073-281-LOCO RH-CONNECTING ROD DETAIL PLATE	1	FSM-32-099-401A-LOCO BOILER SMOKEDOOR HANDRAIL	2	FSM-32-125-498-LOCO BUILDERS PLATE
1	FSM-32-073-282-LOCO RH-CONNECTING ROD CENTRE PLATE	1	FSM-32-099-402-LOCO SNIFFING VALVE SEATING PLATE	1	FSM-32-125-499-LOCO HEAD BOARD
1	FSM-32-073-283-LOCO RH-CONNECTING ROD BACKING PLATE	1	FSM-32-100-403-LOCO CHIMNEY	1	FSM-32-125-500A-LOCO SCREW LINK COUPLING HOOK
2	FSM-32-073-284-LOCO RH-COMBINATION LINK	1	FSM-32-100-404-LOCO STEAM DOME	1	FSM-32-125-500B-LOCO SCREW LINK COUPLING TOP LINK
2	FSM-32-073-285-LOCO RH-VALVE SPINDLE	1	FSM-32-101-405-LOCO SNIFFING VALVE	1	FSM-32-125-500C-LOCO SCREW LINK COUPLING BOTTOM LINK
1	FSM-32-074-286-LOCO RH-RADIUS ROD FACE PLATE	2	FSM-32-101-406-LOCO SAFETY VALVE	1	FSM-32-125-500D-LOCO SCREW LINK COUPLING SCREW SPINDLE
1	FSM-32-074-287-LOCO RH-RADIUS ROD BACKING PLATE	1	FSM-32-101-407-LOCO SMOKEBOX DOOR	1	FSM-32-999-LOCO RAIL
1	FSM-32-074-288-LOCO RH-UNION LINK FACE PLATE	2	FSM-32-101-408-LOCO SHORT HAND RAIL KNOBS		
1	FSM-32-074-289-LOCO RH-UNION LINK BACKING PLATE	1	FSM-32-102-409-LOCO ATOMISER		
1	FSM-32-074-290-LOCO RH-RETURN CRANK ROD BIG END	1	FSM-32-102-410-LOCO MECHANICAL LUBRICATOR HAND WHEEL		
1	FSM-32-074-291-LOCO RH-RETURN CRANK ROD FACE PLATE	2	FSM-32-102-411-LOCO LAMP BRACKET		
1	FSM-32-074-292-LOCO RH-RETURN CRANK ROD BACKING PLATE	1	FSM-32-102-412-LOCO REGULATOR LEVER		
1	FSM-32-075-294-LOCO RH-MOTION BRACKET	1	FSM-32-102-413-LOCO DRAIN COCK		
4	FSM-32-075-295-LOCO MOTION MOUNTING PLATE	4	FSM-32-102-414-LOCO WASHOUT PLUG		
2	FSM-32-075-296-LOCO WASHER	1	FSM-32-103-415-LOCO ATOMISER		
4	FSM-32-075-297-LOCO SUPPORT PLATE	1	FSM-32-103-416-LOCO MECHANICAL LUBRICATOR HAND WHEEL		
1	FSM-32-075-298-LOCO RH-MOTION BRACKET MOUNTING PLATE	2	FSM-32-103-417-LOCO LAMP BRACKET		
1	FSM-32-075-299-LOCO LH-MOTION BRACKET	1	FSM-32-103-418-LOCO REGULATOR LEVER		
1	FSM-32-075-300-LOCO LH-MOTION BRACKET MOUNTING PLATE	1	FSM-32-103-419-LOCO DRAIN COCK		
1	FSM-32-076-301-LOCO 1.6mm BRASS WIRE	3	FSM-32-103-420-LOCO WASHOUT PLUG		
2	FSM-32-076-302-LOCO M1.4x9mm PAN HEAD SLOTTED SCREW	3	FSM-32-104-421A-LOCO BOILER LINING TRIM-1		
2	FSM-32-076-303-LOCO M1.4 NUT	1	FSM-32-104-421B-LOCO BOILER LINING TRIM-2		
10	FSM-32-076-304-LOCO M1.2x3.5mm PAN HEAD SLOTTED SCREW	1	FSM-32-104-421C-LOCO BOILER LINING TRIM-3		
10	FSM-32-076-305-LOCO M1.2 NUT	1	FSM-32-104-421D-LOCO BOILER LINING TRIM-4		
1	FSM-32-077-306-LOCO SLIDE BAR FILLET	1	FSM-32-104-421D-LOCO BOILER LINING TRIM-4		
1	FSM-32-077-308-LOCO CROSS-HEAD DROP LINK	1	FSM-32-109-433-LOCO LH-BUFFER SHANK		
1	FSM-32-077-309-LOCO CROSS-HEAD	1	FSM-32-109-434-LOCO LH-BUFFER INNER		
1	FSM-32-077-310-LOCO VALVE ROD LINK	1	FSM-32-109-435-LOCO LH-BUFFER SMALL SPRING		
1	FSM-32-077-311-LOCO VALVE ROCKER	1	FSM-32-109-436-LOCO LH-BUFFER HEAD		
1	FSM-32-077-312-LOCO EXPANSION LINK	1	FSM-32-109-437-LOCO LH-BUFFER LARGE SPRING		
1	FSM-32-078-313-LOCO SLIDE BAR FILLET	1	FSM-32-109-438-LOCO LH-BUFFER M1 NUT		
1	FSM-32-078-315-LOCO CROSS-HEAD DROP LINK	1	FSM-32-110-439-LOCO RH-BUFFER SHANK		
1	FSM-32-078-316-LOCO CROSS-HEAD	1	FSM-32-110-440-LOCO RH-BUFFER INNER		
1	FSM-32-078-317-LOCO VALVE ROD LINK	1	FSM-32-110-441-LOCO RH-BUFFER SMALL SPRING		
1	FSM-32-078-318-LOCO VALVE ROCKER	1	FSM-32-110-442-LOCO RH-BUFFER HEAD		
1	FSM-32-078-319-LOCO EXPANSION LINK	1	FSM-32-110-443-LOCO RH-BUFFER LARGE SPRING		
1	FSM-32-079-320-LOCO RH-CAB FLOOR COVER	1	FSM-32-110-444-LOCO RH-BUFFER M1 NUT		
1	FSM-32-079-321-LOCO FIRE DOOR GUARD	2	FSM-32-114-460A-LOCO FIREBOX TRIM-1		
1	FSM-32-079-322-LOCO SPRINKLER PIPE	4	FSM-32-114-460B-LOCO FIREBOX WASHOUT HOLE TRIM-1		
1	FSM-32-079-323-LOCO CENTRE FLOOR PLATFORM	1	FSM-32-114-460C-LOCO BUFFER BEAM TRIM		
1	FSM-32-081-327-LOCO REVERSING ROD FACE PLATE	3	FSM-32-114-461A-LOCO CYLINDER TRIM		
1	FSM-32-081-328-LOCO REVERSING ROD BACKING PLATE	2	FSM-32-114-461B-LOCO PONY FRAME SIDE TRIM		
2	FSM-32-081-329-LOCO BUFFER BRACKET	2	FSM-32-114-461C-LOCO PONY FRAME SIDE REAR TRIM		
2	FSM-32-081-330-LOCO SLIDE BAR	2	FSM-32-114-461D-LOCO PONY FRAME SIDE AXLE BOX RH SIDE TRIM		
1	FSM-32-081-331A-LOCO LH SLIDE BAR DETAIL PLATE	2	FSM-32-114-461E-LOCO PONY FRAME SIDE AXLE BOX LID TRIM		
1	FSM-32-081-331B-LOCO RH SLIDE BAR DETAIL PLATE	2	FSM-32-114-461F-LOCO PONY FRAME SIDE AXLE BOX LH SIDE TRIM		
1	FSM-32-081-332A-LOCO LH-SLIDE BAR SUPPORT	2	FSM-32-114-461G-LOCO PONY FRAME SIDE AXLE BOX SPRING TRIM		
1	FSM-32-081-332B-LOCO RH-SLIDE BAR SUPPORT	2	FSM-32-114-461H-LOCO FOOTPLATE SIDE TRIM		
1	FSM-32-082-333-LOCO REAR CYLINDER COVER	2	FSM-32-114-461J-LOCO FOOTPLATE FRAME TRIM		
1	FSM-32-082-334-LOCO VALVE SPINDLE GUIDE	1	FSM-32-115-462-LOCO SEAT BRACKET		
1	FSM-32-082-335-LOCO FRONT VALVE SPINDLE GUIDE	1	FSM-32-115-462-LOCO SEAT BRACKET		
1	FSM-32-082-336-LOCO FRONT CYLINDER COVER	1	FSM-32-115-463-LOCO DRIVERS SEAT		
1	FSM-32-083-337-LOCO REAR CYLINDER COVER	1	FSM-32-115-464-LOCO FIRE MAN SEAT		
1	FSM-32-083-338-LOCO VALVE SPINDLE GUIDE	16	FSM-32-115-465-LOCO BOILER HAND RAIL KNOB		
1	FSM-32-083-339-LOCO FRONT VALVE SPINDLE GUIDE	2	FSM-32-115-465-LOCO BOILER HAND RAIL KNOB		
1	FSM-32-083-340-LOCO FRONT CYLINDER COVER	4	FSM-32-115-465-LOCO BOILER HAND RAIL KNOB		
1	FSM-32-084-341-LOCO LH-OUTER CYLINDER BLOCK PART-B	2	FSM-32-115-466A-LOCO BOILER TOP HAND RAIL		

A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00	 PROJECTION DRAWING NUMBER FSM-32-002B SHEET SCALE NTS@A3 or AS SHOWN ISHT OF SHT REV A
		GAUGE 32mm LOCOMOTIVE BILL OF MATERIALS PART 2		DATE	SEPT 2011			
	ISSUED FOR CONSTRUCTION	DESCRIPTION		DATE				

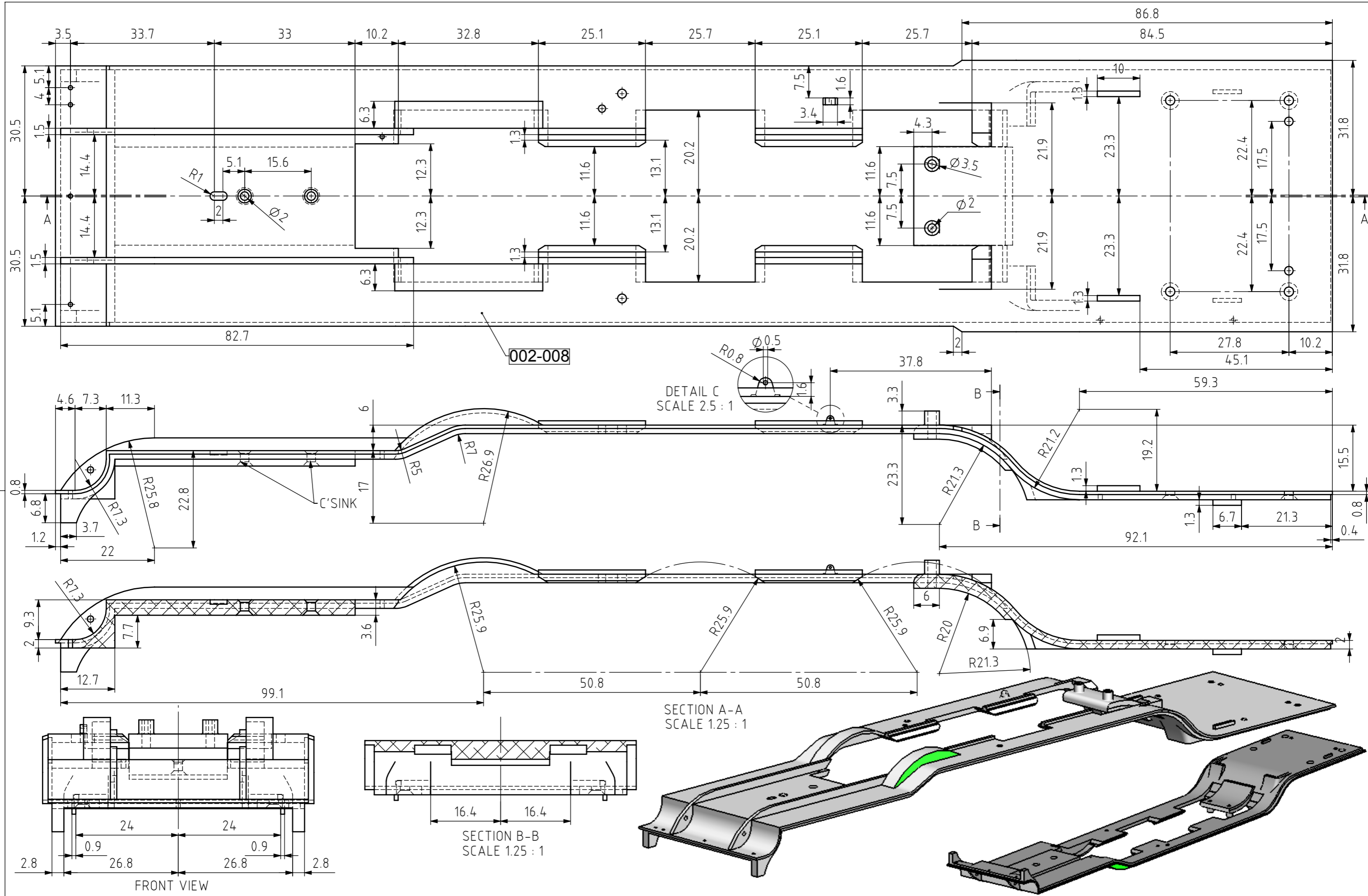
QTY	PART NUMBER	QTY	PART NUMBER
1	FSM-32-012-039-TENDER FRONT CHASSIS FRAME SPACER	1	FSM-32-097-390-TENDER DRAW BAR DETAIL PLATE
1	FSM-32-012-040-TENDER CENTRE CHASSIS FRAME SPACER	1	FSM-32-097-391-TENDER BEAM REAR PLATE
1	FSM-32-012-041-TENDER REAR CHASSIS FRAME SPACER	1	FSM-32-098-392A-TENDER RH-TRIM
1	FSM-32-012-042A-TENDER LH-TANK SUPPORT	1	FSM-32-098-392B-TENDER RH-TRIM
1	FSM-32-012-042B-TENDER RH-TANK SUPPORT	1	FSM-32-098-393A-TENDER LH-TRIM
1	FSM-32-013-043-TENDER CHASSIS	1	FSM-32-098-393B-TENDER LH-TRIM
4	FSM-32-014-044-TENDER CENTRE BRASS BUSH	4	FSM-32-105-422-TENDER AXLE BOX
4	FSM-32-014-045-TENDER FRONT AND REAR BRASS BUSH	4	FSM-32-106-423-TENDER AXLE BOX
1	FSM-32-019-058-TENDER FRONT REAR WHEEL AXLE	1	FSM-32-107-424A-TENDER CORRIDOR CONNECTOR HAND RAIL
1	FSM-32-019-059-TENDER WHEEL	4	FSM-32-107-424A-TENDER FRONT HAND RAIL
1	FSM-32-019-060-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-107-425A-TENDER LH-VENT PIPE
1	FSM-32-020-062-TENDER WHEEL	1	FSM-32-107-425B-TENDER RH-VENT PIPE
1	FSM-32-020-063-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-107-426-TENDER WATER FILLER
1	FSM-32-025-080-TENDER FRONT REAR WHEEL AXLE	1	FSM-32-107-427-TENDER REAR WATER DOME
1	FSM-32-025-081-TENDER WHEEL	1	FSM-32-107-428-TENDER FRONT WATER DOME
1	FSM-32-025-082-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-108-429-TENDER CENTRAL TUNNEL ROOF
1	FSM-32-026-083-TENDER WHEEL	1	FSM-32-108-430-TENDER REAR TUNNEL ROOF
1	FSM-32-026-084-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-108-431-TENDER FRONT TUNNEL ROOF
1	FSM-32-031-114-TENDER CENTRE WHEEL AXLE	1	FSM-32-111-445-TENDER TUNNEL DOOR
1	FSM-32-031-115-TENDER WHEEL	1	FSM-32-111-446-TENDER SMALL LOCKER DOOR
1	FSM-32-031-116-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-111-447-TENDER LOWER COAL CHUTE
1	FSM-32-032-117-TENDER WHEEL	1	FSM-32-111-448-TENDER TUNNEL DOOR RAIN STRIP
1	FSM-32-032-118-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-111-449-TENDER LOWER COAL DOOR
1	FSM-32-049-203-TENDER CENTRE WHEEL AXLE	1	FSM-32-112-450-TENDER UPPER COAL DOOR
1	FSM-32-049-204-TENDER WHEEL	1	FSM-32-112-451-TENDER LARGE LOCKER DOOR
1	FSM-32-049-205-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-112-452-TENDER UPPER COAL DOOR
1	FSM-32-050-206-TENDER WHEEL	1	FSM-32-112-453-TENDER BULKHEAD BEADING
1	FSM-32-050-207-TENDER M2,4 x 6 C-SINK ALLEN SCREW	1	FSM-32-112-454-TENDER PIPE BRACKET
1	FSM-32-051-208-TENDER VACUUM TANK	2	FSM-32-113-455-TENDER TAP BRACKET
1	FSM-32-051-209-TENDER WATER SCOOP	2	FSM-32-113-456-TENDER BRAKE HANDLE
1	FSM-32-051-210-TENDER PIVOT PIN	3	FSM-32-113-457-TENDER LAMP BRACKET
2	FSM-32-052-212-TENDER LH-TENDER BRAKES	2	FSM-32-113-458-TENDER 1,0mmx25mm BRASS WIRE
2	FSM-32-052-213-TENDER RH-TENDER BRAKES	1	FSM-32-113-459A-TENDER VENT PIPE BRACKET
2	FSM-32-053-214-TENDER LH-TENDER BRAKES	1	FSM-32-114-460A-TENDER FRONT TRIM
2	FSM-32-053-215-TENDER RH-TENDER BRAKES	1	FSM-32-114-460B-TENDER REAR TRIM
1	FSM-32-054-216-TENDER LEFT HAND BRAKE GEAR	1	FSM-32-114-460C-TENDER BACK TRIM
1	FSM-32-054-217-TENDER RIGHT HAND BRAKE GEAR	1	FSM-32-114-460D-TENDER FRONT BEAM TRIM
1	FSM-32-054-218-TENDER 1,6x16mm WIRE	1	FSM-32-114-460E-TENDER REAR BEAM TRIM
3	FSM-32-054-219-TENDER 1,0x43mm WIRE	4	FSM-32-114-461A-TENDER SIDE FRAME TYPE-1 TRIMMING (RED)
2	FSM-32-054-219-TENDER 1,0x43mm WIRE	4	FSM-32-114-461B-TENDER SIDE FRAME TYPE-2 TRIMMING (RED)
2	FSM-32-054-220-TENDER BRAKE PULL ROD	6	FSM-32-114-461C-TENDER SIDE FRAME TYPE-3 TRIMMING (RED)
2	FSM-32-086-351-TENDER LETTERING	8	FSM-32-114-461D-TENDER AXLE BOX TRIMMING (RED)
1	FSM-32-087-354-TENDER FOOTPLATE	8	FSM-32-114-461E-TENDER SPRING TRIMMING (RED)
1	FSM-32-088-355-TENDER BACK AND SIDES	1	FSM-32-120-479-TENDER FIRE IRON
1	FSM-32-089-357-TENDER LH-DECK SUPPORT	1	FSM-32-120-479-TENDER FIRE IRON
1	FSM-32-090-358-TENDER RH-DECK SUPPORT	1	FSM-32-120-480-TENDER TUNNEL WINDOW BEAD
1	FSM-32-091-359-TENDER DECK	2	FSM-32-120-481-TENDER SHORT REAR STEP TREAD
8	FSM-32-092-362-TENDER MAIN FRAME FILLET	4	FSM-32-120-482-TENDER LONG REAR STEP TREAD
1	FSM-32-092-363-TENDER COAL RAIL	6	FSM-32-120-483-TENDER REAR STEP TREAD DETAIL
1	FSM-32-092-364-TENDER LH-MAIN FRAME	1	FSM-32-120-484-TENDER BUFFERBEAM DETAIL
1	FSM-32-092-365-TENDER REAR BEADING	2	FSM-32-120-485a-TENDER SHORT TAP HANDLE
1	FSM-32-092-366-TENDER LH- BEADING	1	FSM-32-120-485B-TENDER LONG TAP HANDLE
8	FSM-32-093-367-TENDER MAIN FRAME FILLET	2	FSM-32-120-485C-TENDER SHORT BRACKET
1	FSM-32-093-368A-TENDER RH-LIFTING BRACKET	1	FSM-32-120-485D-TENDER VENT PIPE
1	FSM-32-093-368B-TENDER LH-LIFTING BRACKET	2	FSM-32-121-486-TENDER DOOR KNOB
1	FSM-32-093-369-TENDER RH-MAIN FRAME	1	FSM-32-121-487-TENDER STEAM HEATING PIPE
1	FSM-32-093-370-TENDER RH- BEADING	1	FSM-32-121-488-TENDER BREAK PIPE
1	FSM-32-094-371A-TENDER RH GUARD IRON	12	FSM-32-122-489-TENDER HANDRAIL KNOB
1	FSM-32-094-371B-TENDER LH GUARD IRON	2	FSM-32-122-490-TENDER BUFFER SHANK
1	FSM-32-094-372-TENDER COAL PARTITION	2	FSM-32-122-491-TENDER BUFFER HEAD
1	FSM-32-094-374A-TENDER LH-FRONT STEP TREAD	2	FSM-32-122-492-TENDER BUFFER SPRING
1	FSM-32-094-374B-TENDER RH-FRONT STEP TREAD	2	FSM-32-122-493-TENDER BUFFER M1 NUT
1	FSM-32-094-375A-TENDER LH-UPPER REAR STEP TREAD	1	FSM-32-123-494-TENDER CORRIDOR CONNECTOR
1	FSM-32-094-375B-TENDER RH-UPPER REAR STEP TREAD	1	FSM-32-123-495-TENDER BUCKEYE COUPLER
1	FSM-32-094-376A-TENDER LH-LOWER REAR STEP TREAD	1	FSM-32-125-500A-LOCO SCREW LINK COUPLING HOOK
1	FSM-32-094-376B-TENDER RH-LOWER REAR STEP TREAD	1	FSM-32-125-500B-LOCO SCREW LINK COUPLING TOP LINK
2	FSM-32-094-378-TENDER REAR STEP SUPPORT	1	FSM-32-125-500C-LOCO SCREW LINK COUPLING BOTTOM LINK
2	FSM-32-094-379-TENDER LOWER FRONT STEP DETAIL	1	FSM-32-125-500D-LOCO SCREW LINK COUPLING SCREW SPINDLE
2	FSM-32-094-380-TENDER UPPER FRONT STEP DETAIL	1	FSM-32-999-TENDER RAIL
4	FSM-32-094-381-TENDER REAR STEP TREAD DETAIL		
8	FSM-32-094-382-TENDER AXLE BOX KEEPER		
1	FSM-32-095-383-TENDER BULKHEAD SPACER PLATE		
1	FSM-32-095-384-TENDER BULKHEAD		
1	FSM-32-096-385-TENDER FLOOR		
1	FSM-32-096-386-TENDER FLOOR SUPPORT		
1	FSM-32-096-387-TENDER HOPPER DOOR		
1	FSM-32-097-388-TENDER DRAW BAR BACKING PLATE		
1	FSM-32-097-389-TENDER BEAM BACKING PLATE		

A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-003A	SHEET
	GAUGE 32mm TENDER BILL OF MATERIALS				SCALE NTS@A3 or AS SHOWN	ISHT OF SHT	REV A
					DATE SEPT 2011		



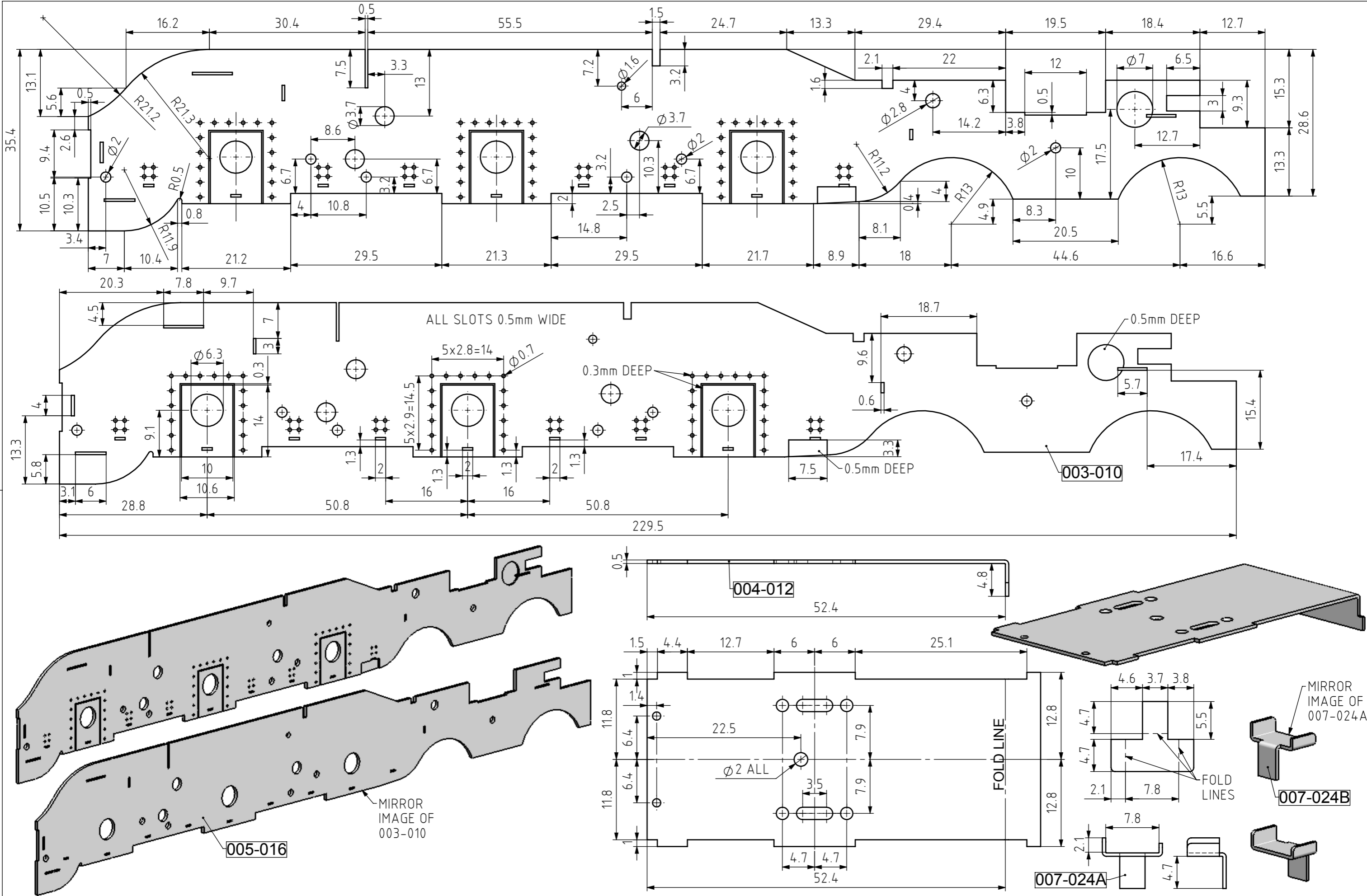
A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES
	IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm	

<table border="1"> <tr> <td>JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz</td> <td>DRAWN BY J.A.M. DE WAAL</td> <td>PROJECT No: 01-04-10-09-00</td> </tr> <tr> <td>DATE SEPT 2011</td> <td>PROJECTION FIRST ANGLE</td> <td>DRAWING NUMBER FSM-32-007</td> </tr> <tr> <td>SCALE 2:1@A3 or AS SHOWN</td> <td>ISHT OF SHT</td> <td>SHEET A</td> </tr> </table>	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DATE SEPT 2011	PROJECTION FIRST ANGLE	DRAWING NUMBER FSM-32-007	SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT	SHEET A	<table border="1"> <tr> <td>ISSUED FOR CONSTRUCTION</td> <td>DATE</td> </tr> <tr> <td>DESCRIPTION</td> <td></td> </tr> </table>	ISSUED FOR CONSTRUCTION	DATE	DESCRIPTION	
JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00												
DATE SEPT 2011	PROJECTION FIRST ANGLE	DRAWING NUMBER FSM-32-007												
SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT	SHEET A												
ISSUED FOR CONSTRUCTION	DATE													
DESCRIPTION														

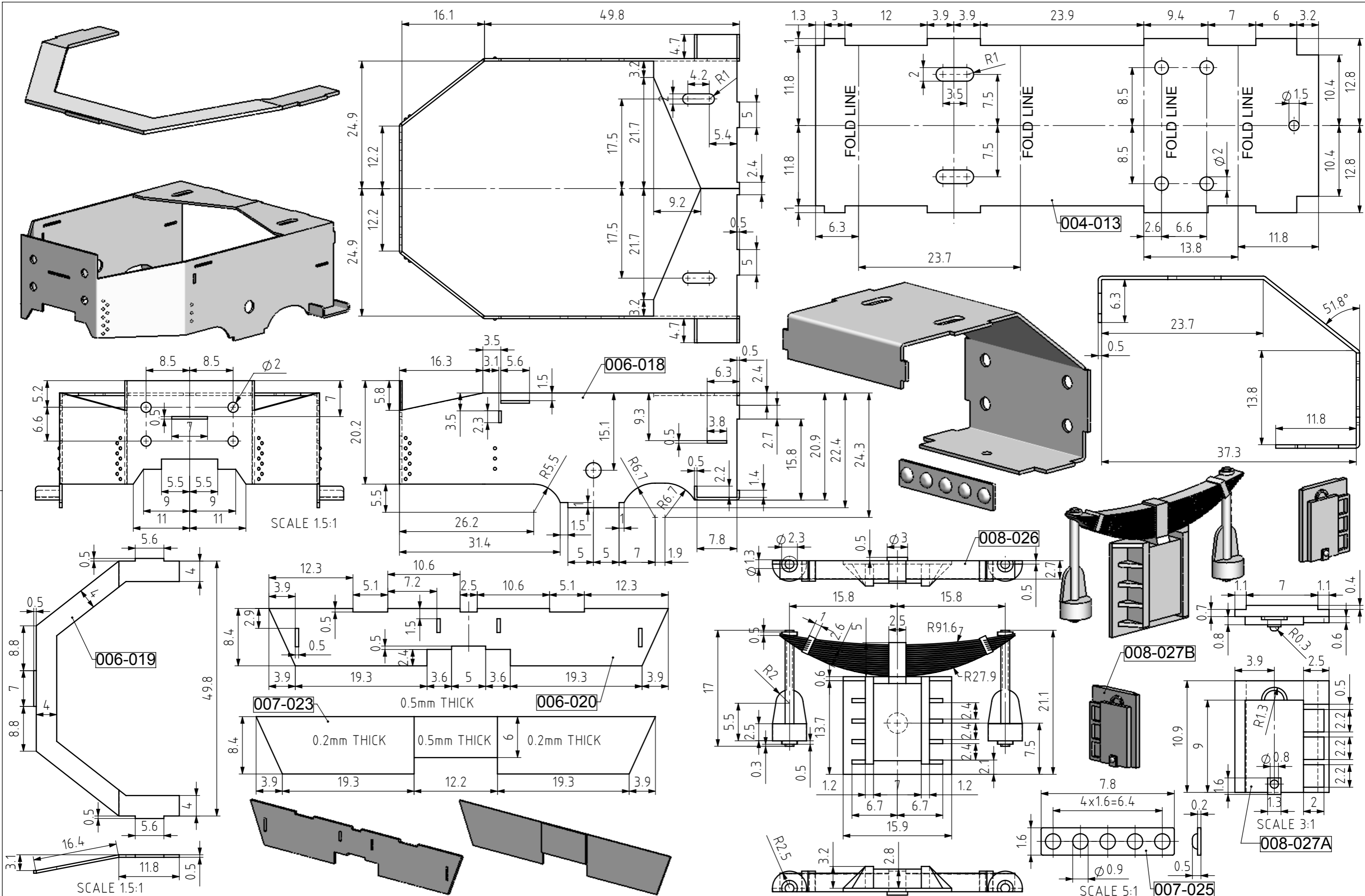


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES
	IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm	

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-008	SHEET A
DATE SEPT 2011	SCALE 2:1@A3 or AS SHOWN	REMOVE ALL BURS AND SHARP EDGES		



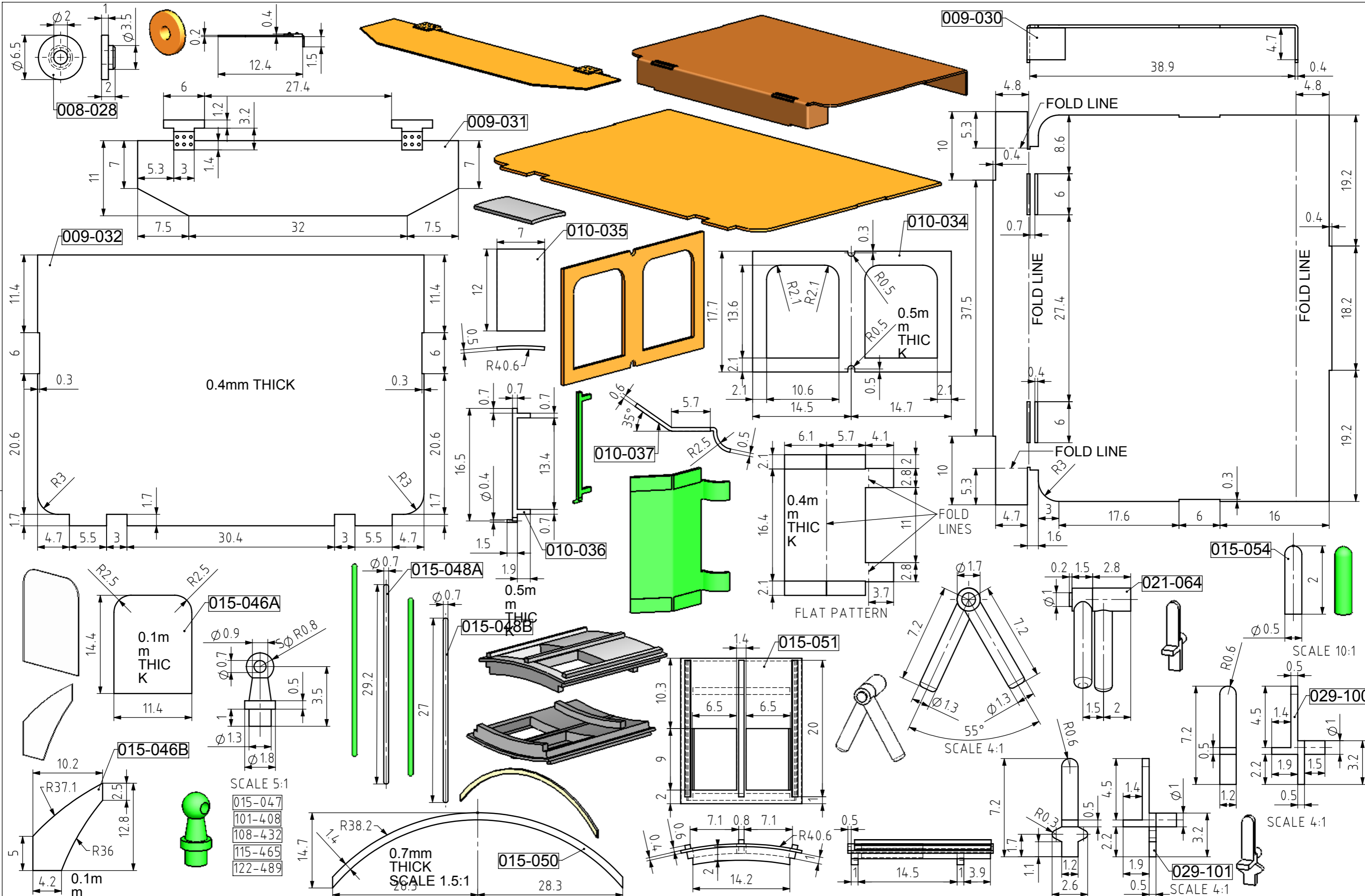
A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAOKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00	
	REV	DESCRIPTION		DATE	SEPT 2011	PROJECTION	AS SHOWN	DRAWING NUMBER
IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm			DO NOT SCALE OF DRAWING		REMOVE ALL BURS AND SHARP EDGES		SHEET	A



TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK
GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES

JDW DRAUGHTING SERVICES
 12 BRIGHTWELL STREET
 PAKAPURA NEW ZEALAND
 TEL/FAX 0064-09-2988815
 E-MAIL: dewaal@xtra.co.nz

PROJECT No:	01-04-10-09-00
DRAWN BY	J.A.M. DE WAAL
PROJECTION	
DRAWING NUMBER	FSM-32-010
DATE	SEPT 2011
SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT
SHEET	A



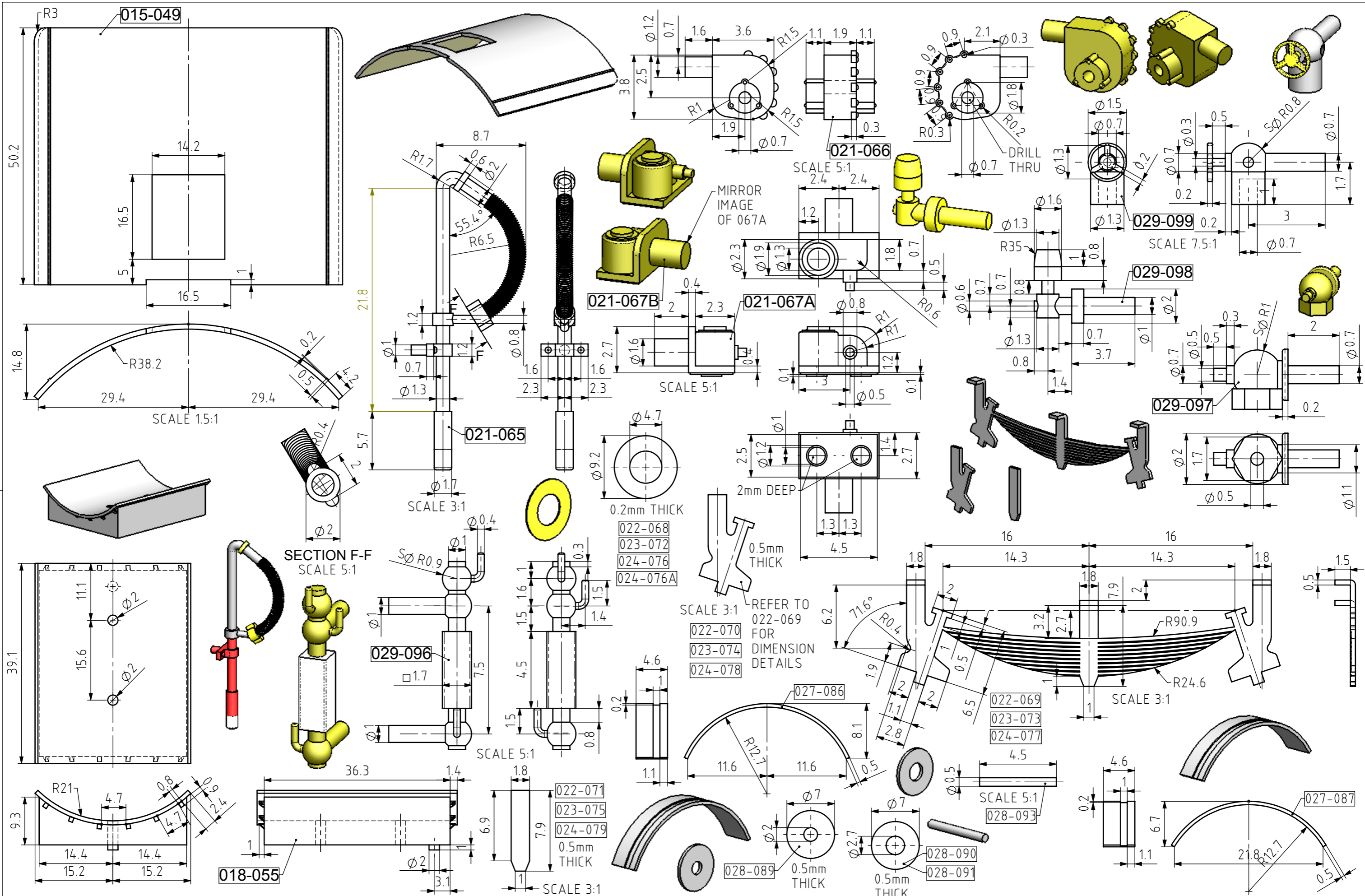
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	DESCRIPTION	

PROJECT No:	01-04-10-09-00
DRAWN BY	J.A.M. DE WAAL
DATE	SEPT 2011
PROJECTION	AS SHOWN
DRAWING NUMBER	FSM-32-011
SHT OF SHT	1
SCALE	2:1@A3 or AS SHOWN
REV	A

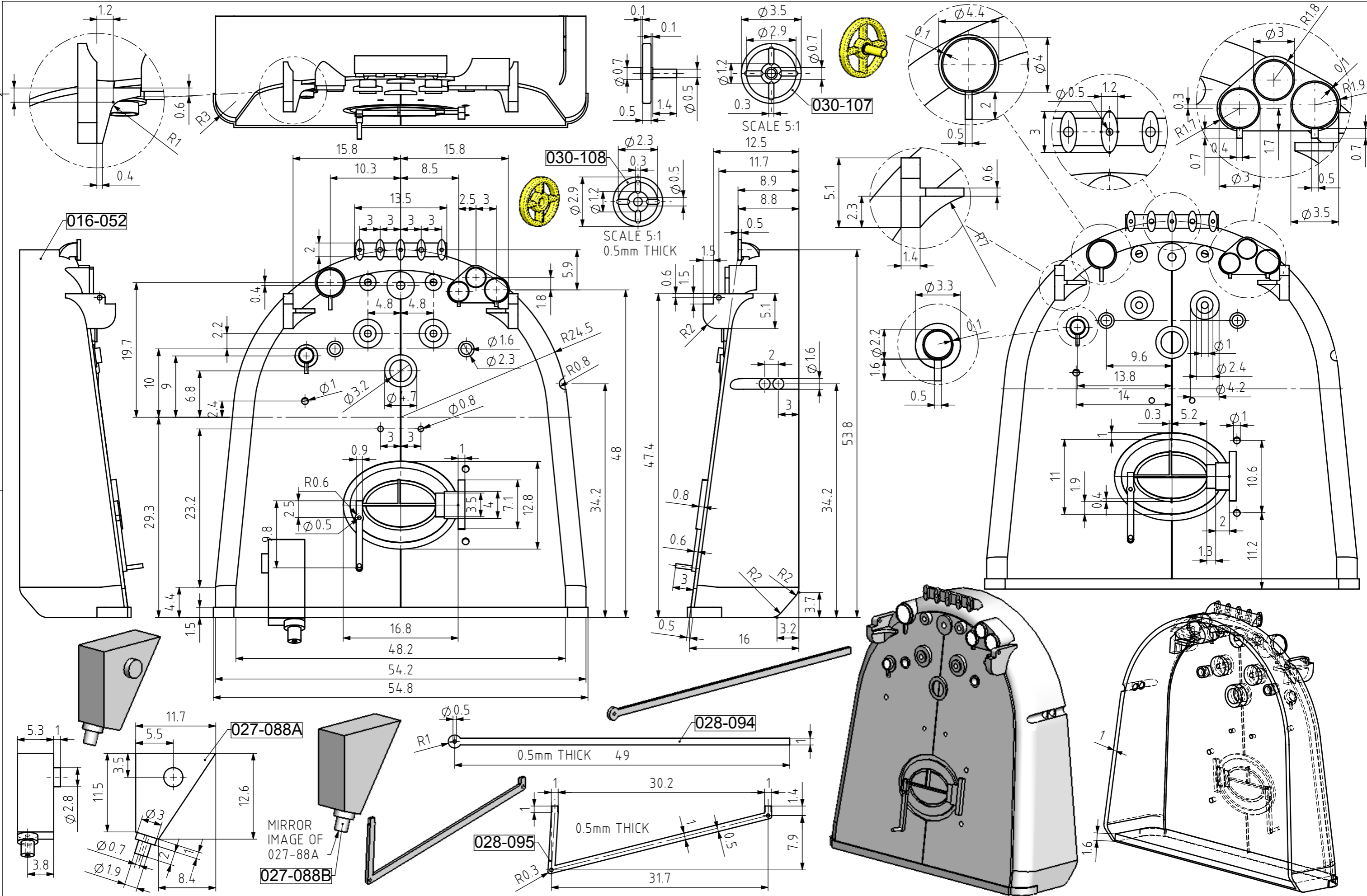
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DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES

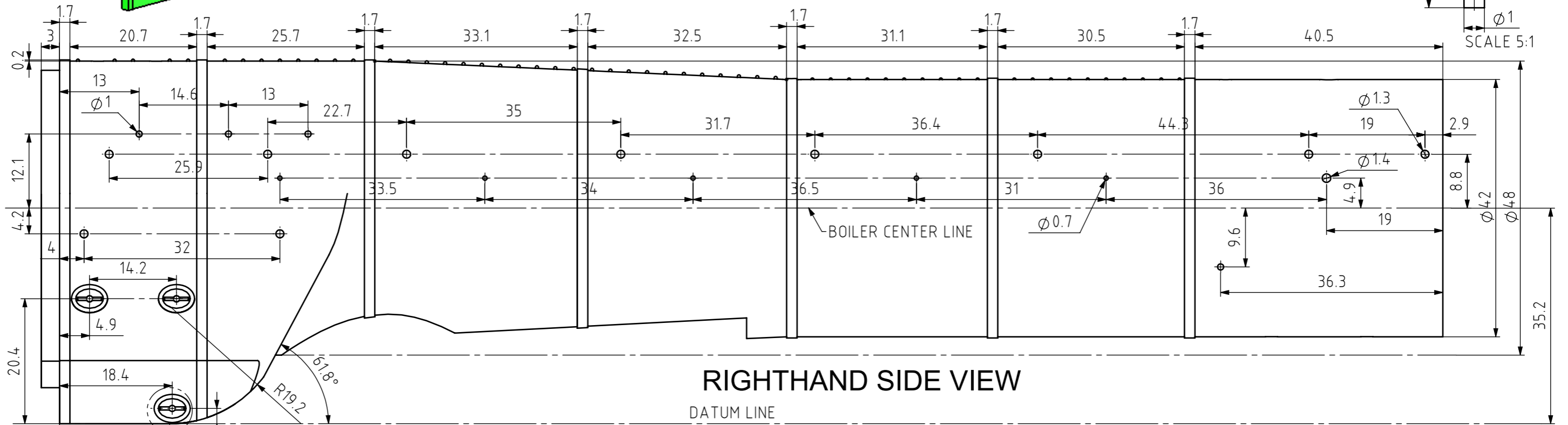
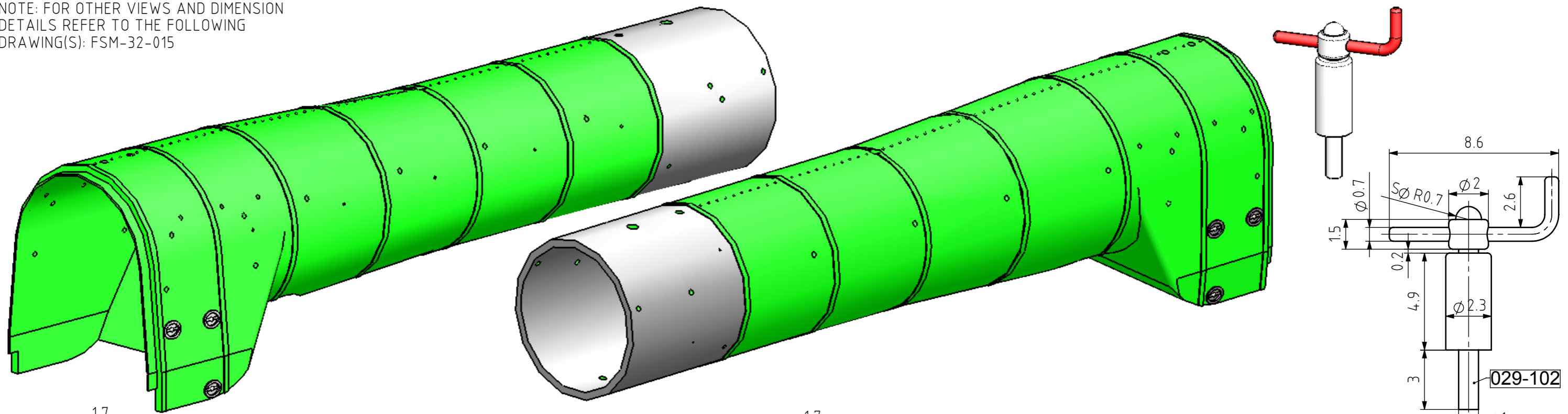


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL: dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00	
	ISSUED FOR CONSTRUCTION	DATE		SEPT 2011	PROJECTION		DRAWING NUMBER	FSM-32-012
REV	DESCRIPTION	DATE		SCALE	2:1@A3 or AS SHOWN	ISHT OF SHT	REV	A



A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-013	SHEET A
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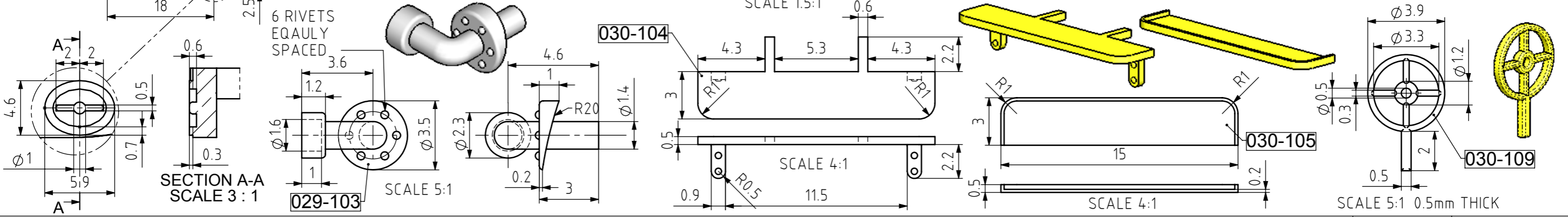
NOTE: FOR OTHER VIEWS AND DIMENSION DETAILS REFER TO THE FOLLOWING DRAWING(S): FSM-32-015



RIGHTHAND SIDE VIEW

DATUM LINE

SCALE 1.5:1

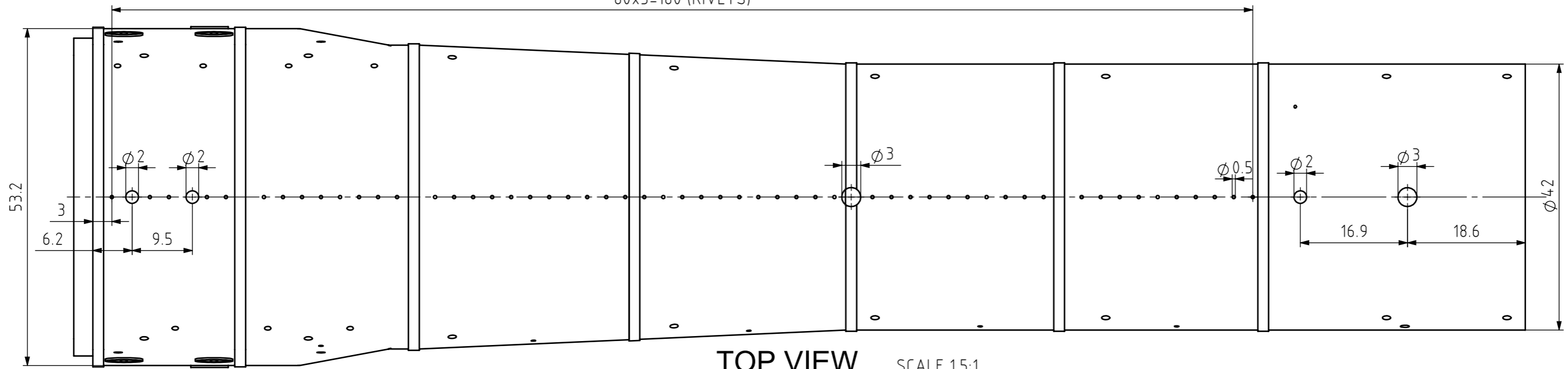


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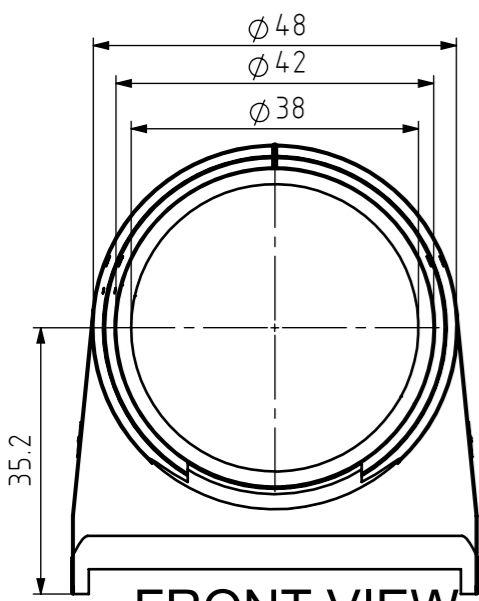
ISSUED FOR CONSTRUCTION	DATE	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAOKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz
DESCRIPTION	DATE	

PROJECT No:	01-04-10-09-00
DRAWN BY	J.A.M. DE WAAL
DRAWING NUMBER	FSM-32-014
DATE	SEPT 2011
SCALE	SCALE 2:1@A3 or AS SHOWN
SHEET	A

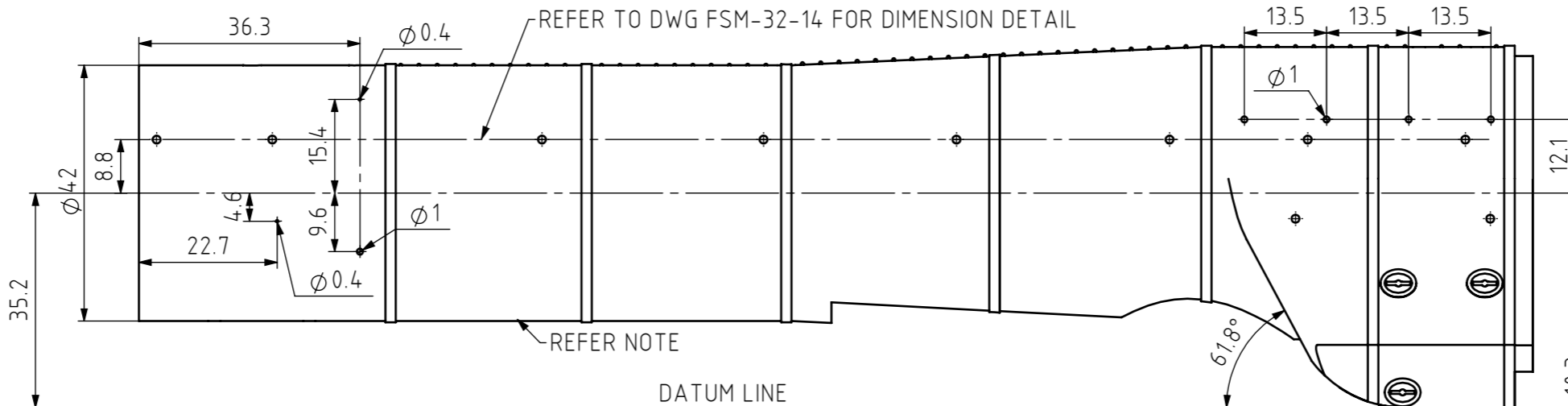
60x3=180 (RIVETS)



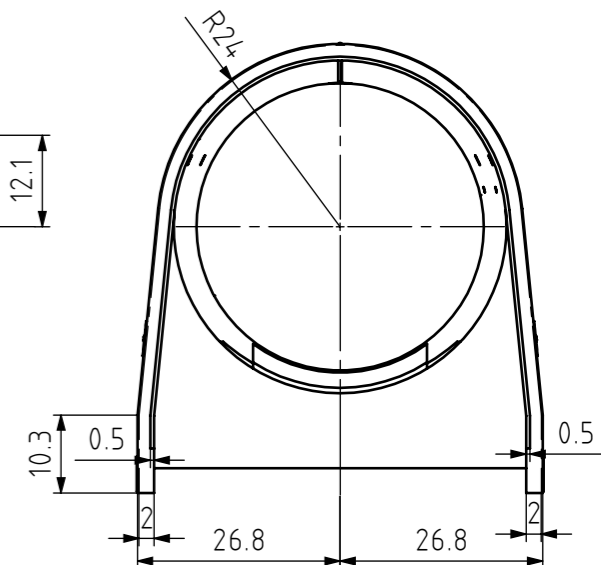
TOP VIEW SCALE 1.5:1



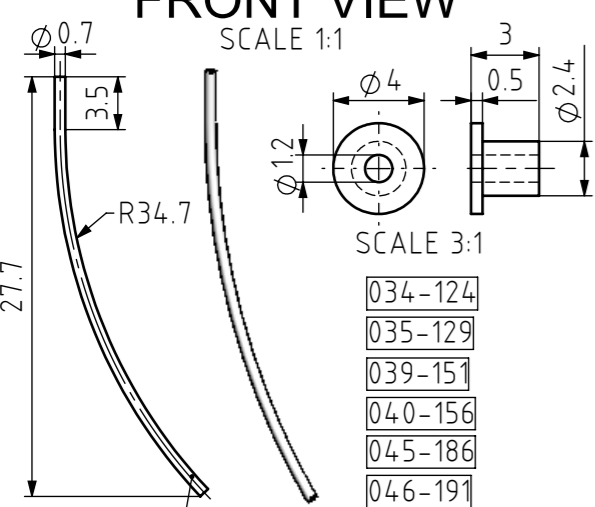
FRONT VIEW SCALE 1:1



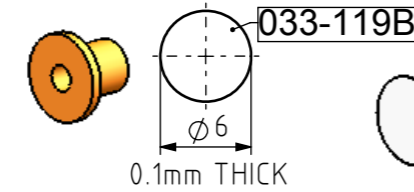
LEFTHAND SIDE VIEW SCALE 1:1



REAR VIEW SCALE 1:1



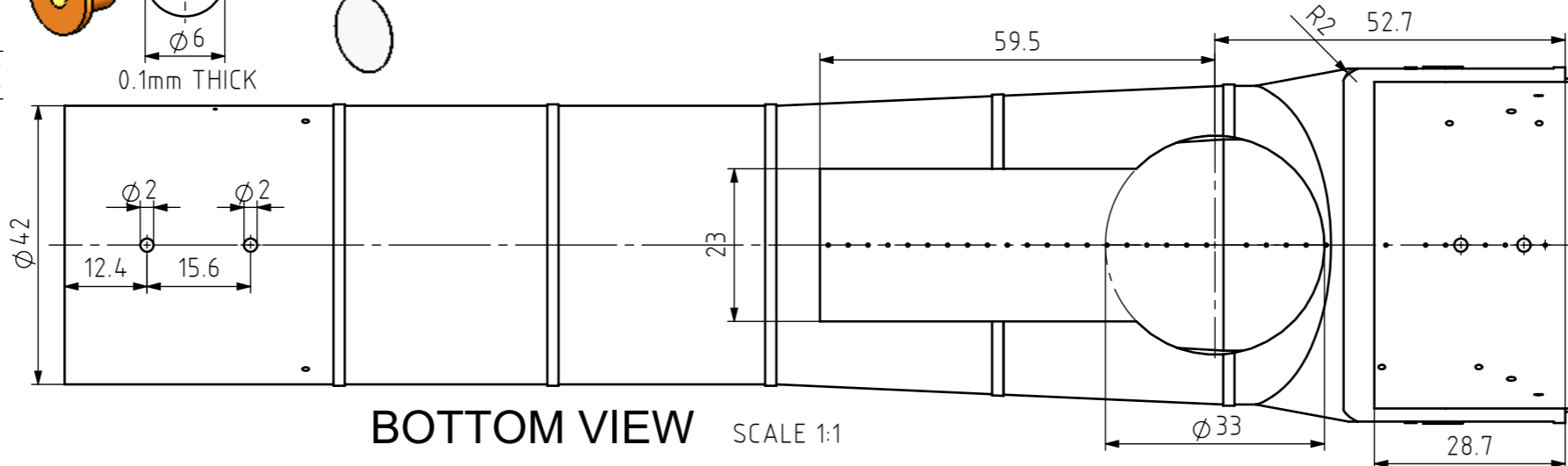
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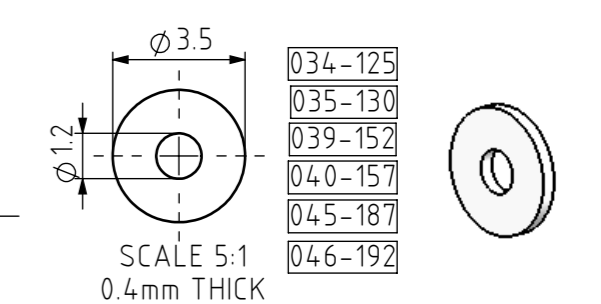
0.1mm THICK

SCALE 3:1

- 034-124
- 035-129
- 039-151
- 040-156
- 045-186
- 046-191



BOTTOM VIEW SCALE 1:1



SCALE 5:1
0.4mm THICK

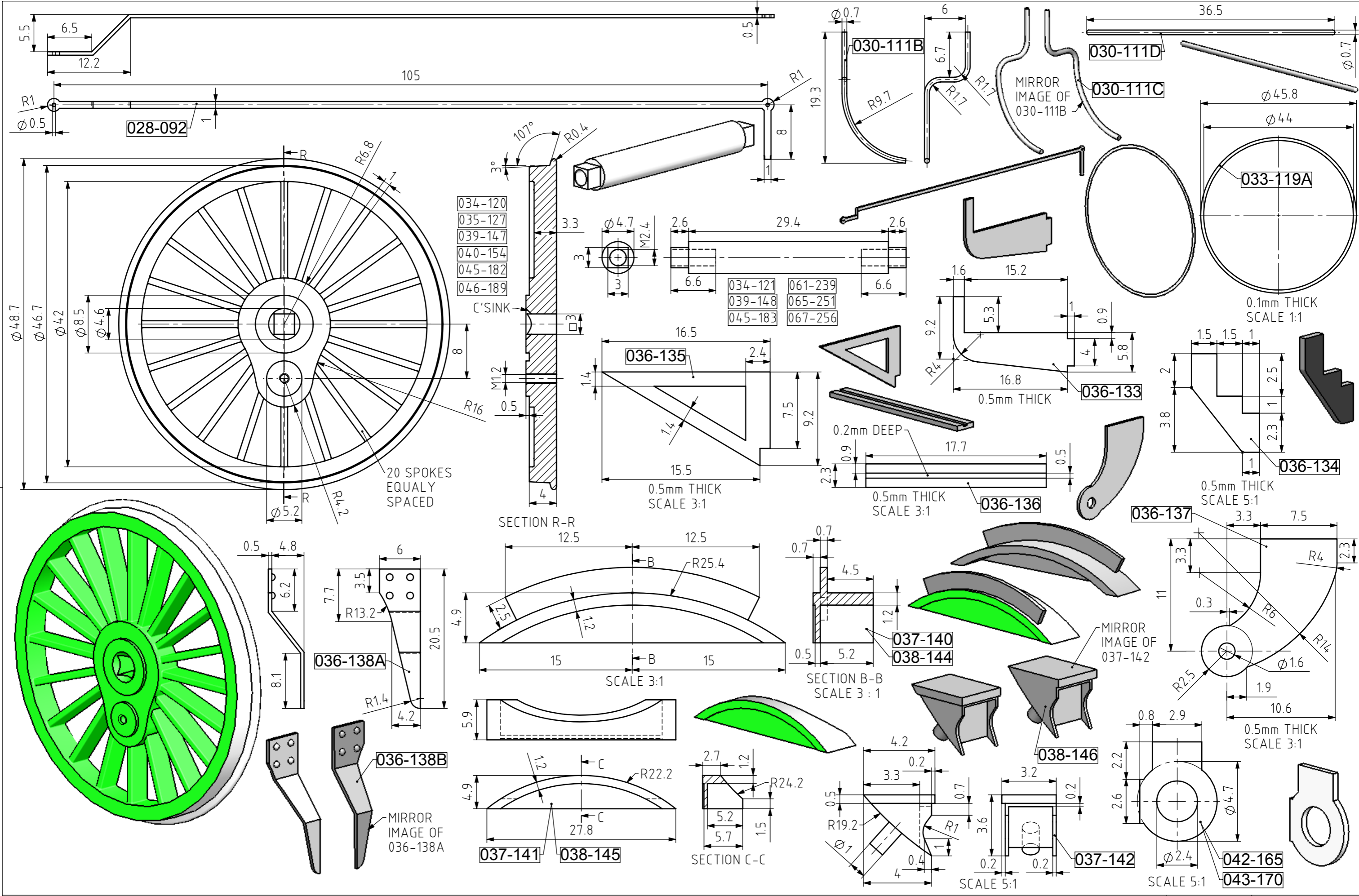
- 034-125
- 035-130
- 039-152
- 040-157
- 045-187
- 046-192

NOTE: FOR OTHER VIEWS AND DIMENSION DETAILS REFER TO THE FOLLOWING DRAWING(S): FSM-32-014

A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES
	DESCRIPTION	

ISSUED FOR CONSTRUCTION	DATE	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz
DESCRIPTION	DATE	

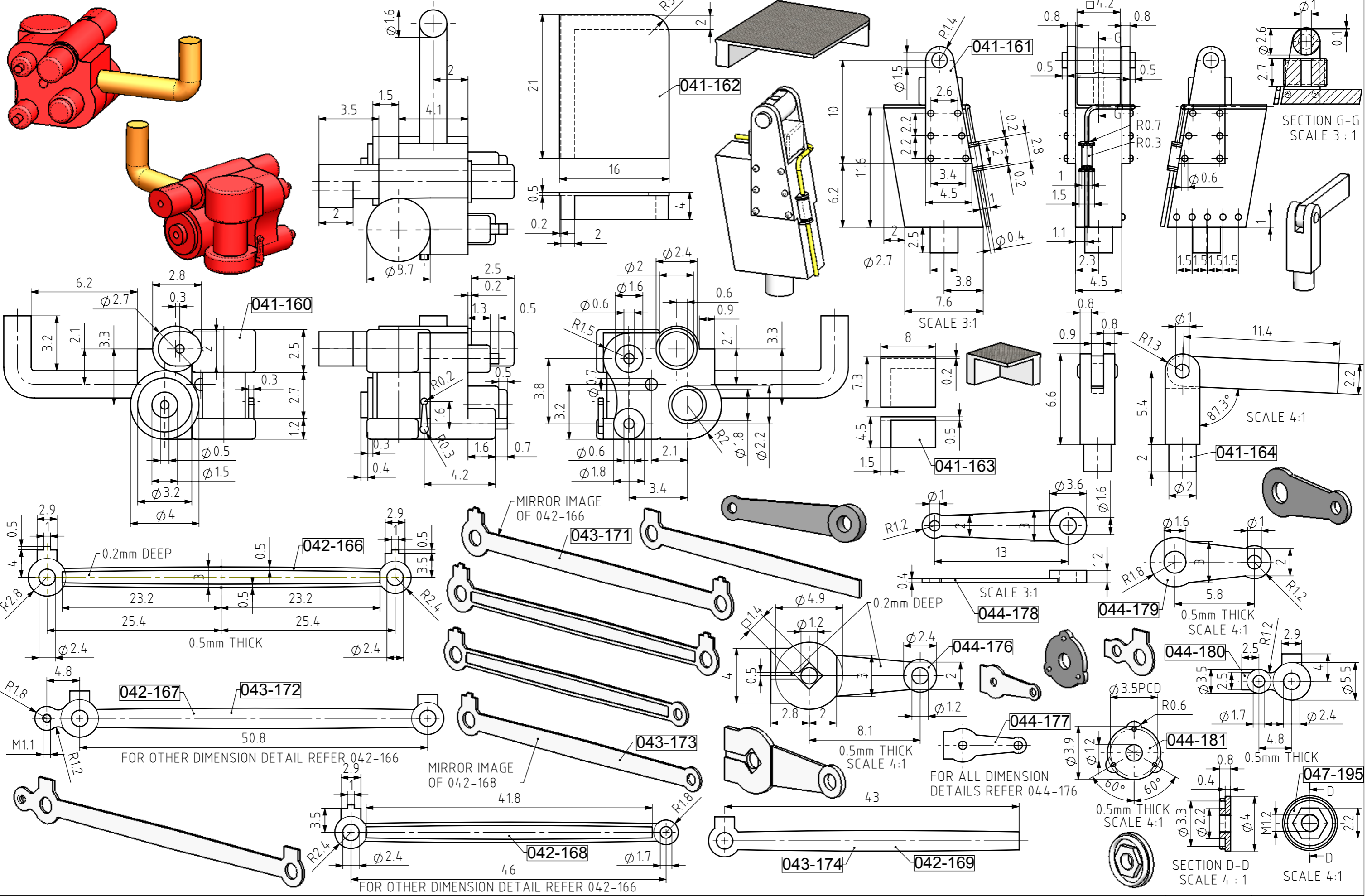
DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00
DATE	SEPT 2011	DRAWING NUMBER	FSM-32-015
SCALE	2:1@A3 or AS SHOWN	SHEET	A



A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES
	DESCRIPTION	

ISSUED FOR CONSTRUCTION	DATE	DATE
DESCRIPTION	DATE	DATE

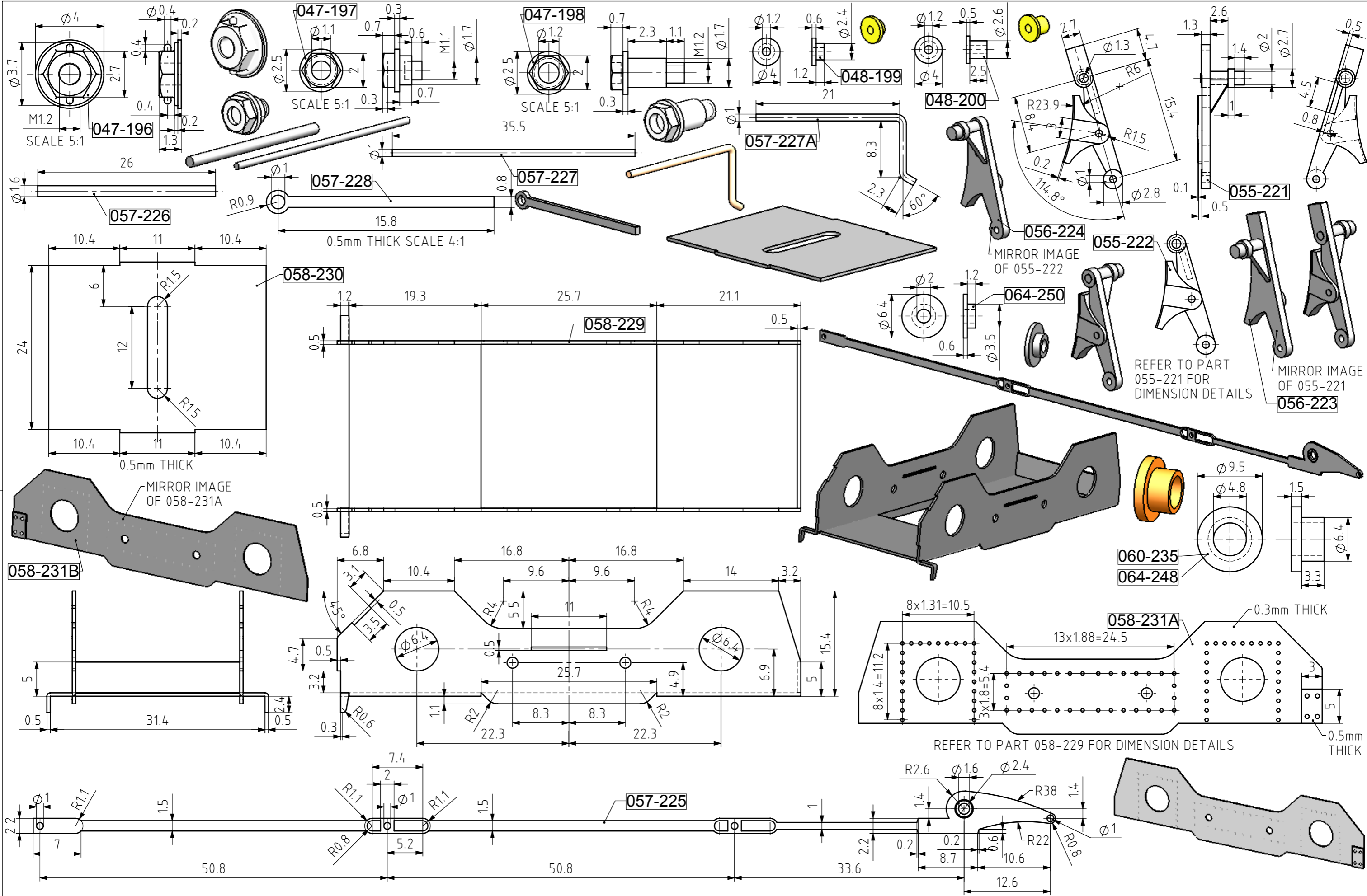
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DRAWING NUMBER	FSM-32-016
SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT
DATE	SEPT 2011



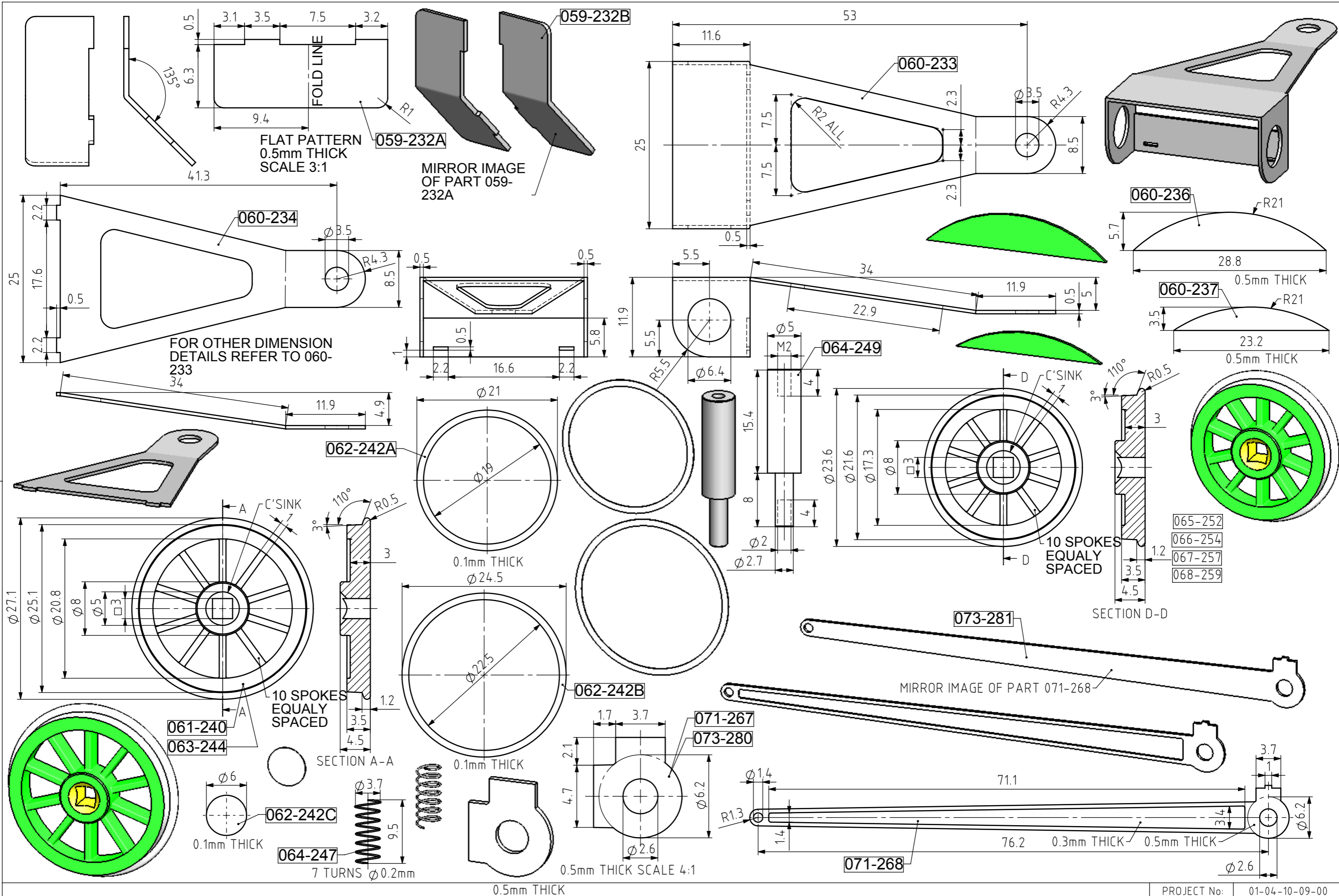
A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES
	IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm	

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz
ISSUED FOR CONSTRUCTION
DESCRIPTION
DATE

PROJECT No:	01-04-10-09-00
DRAWN BY	J.A.M. DE WAAL
PROJECTION	
DRAWING NUMBER	FSM-32-017
DATE	SEPT 2011
SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT
REVISION	A



<p>TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES</p>			<p>PROJECT No: 01-04-10-09-00</p>	
<p>A3</p>			<p>DRAWING NUMBER FSM-32-018</p>	
<p>IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm</p>			<p>SCALE 2:1@A3 or AS SHOWN</p>	
<p>DO NOT SCALE OF DRAWING</p>			<p>REMOVE ALL BURS AND SHARP EDGES</p>	
<p>JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz</p>			<p>DRAWN BY J.A.M. DE WAAL</p>	
<p>ISSUED FOR CONSTRUCTION</p>			<p>DATE SEPT 2011</p>	
<p>DESCRIPTION</p>			<p>REV</p>	
<p>DATE</p>			<p>REV</p>	

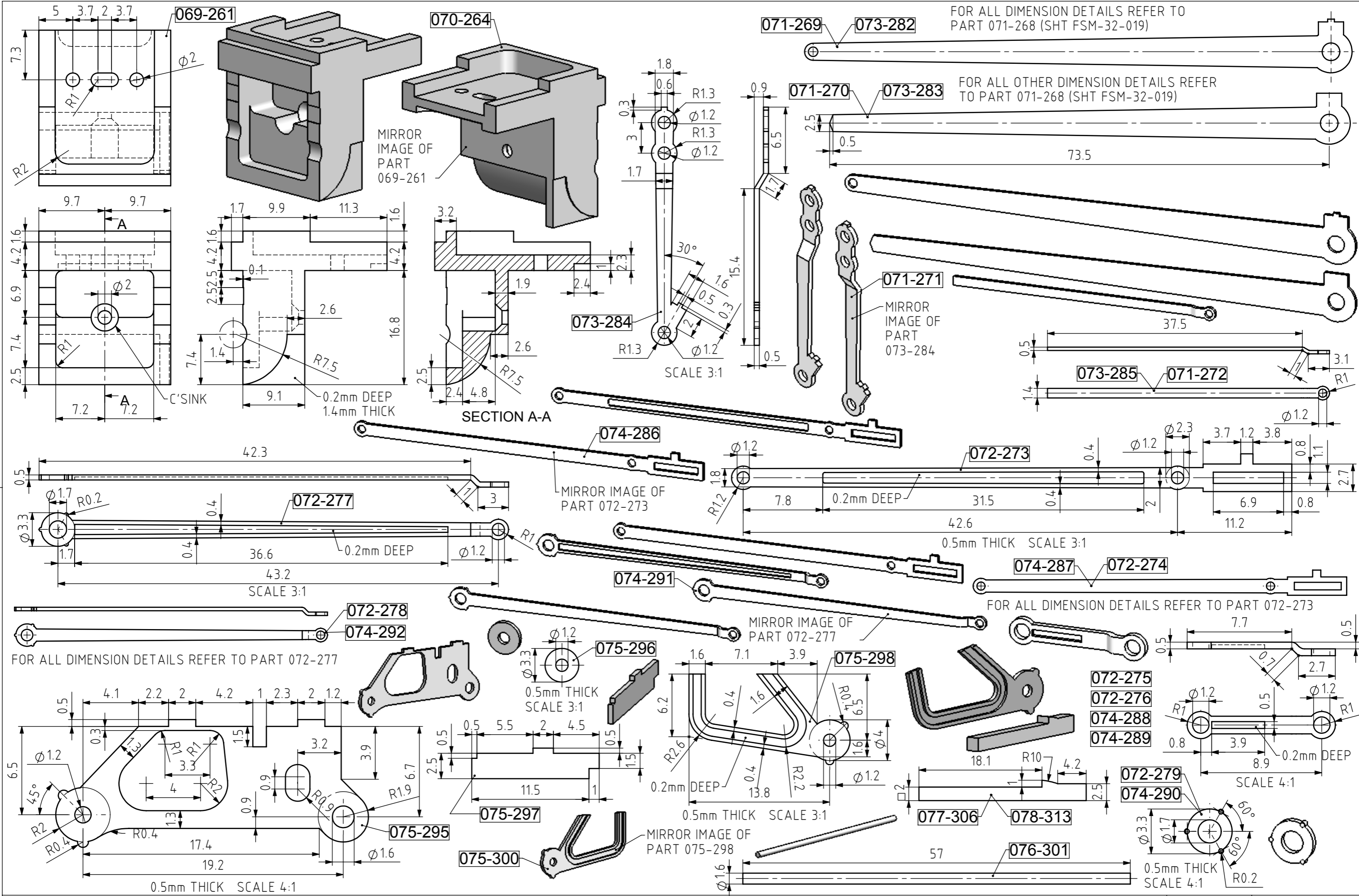


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL: dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-019	SHEET A
DATE SEPT 2011		SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT		REV A

FOR ALL DIMENSION DETAILS REFER TO PART 071-268 (SHT FSM-32-019)

FOR ALL OTHER DIMENSION DETAILS REFER TO PART 071-268 (SHT FSM-32-019)



TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES

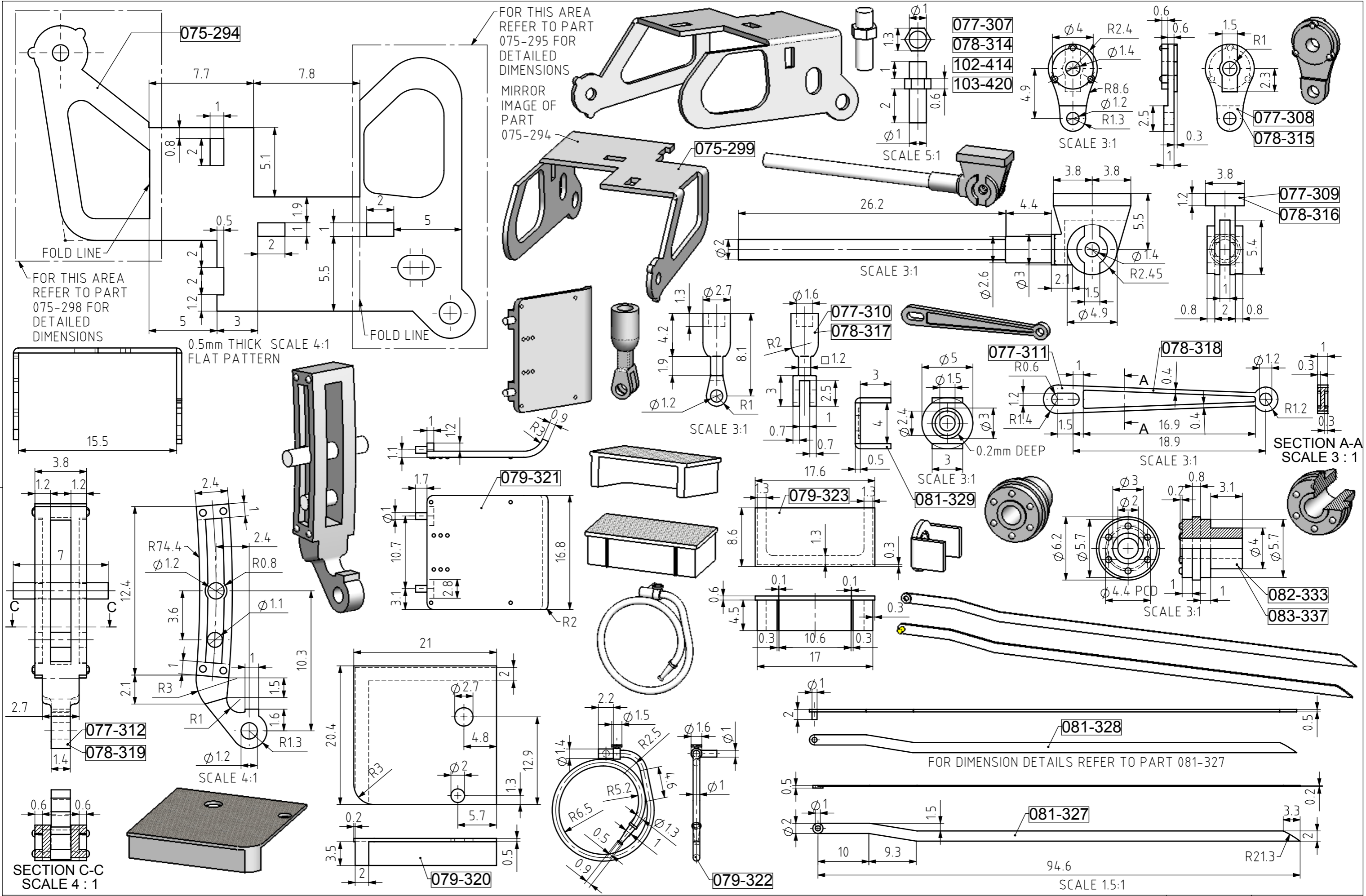
JDW DRAUGHTING SERVICES
 12 BRIGHTWELL STREET
 PAPA KURA NEW ZEALAND
 TEL/FAX 0064-09-2988815
 E-MAIL: dewaal@xtra.co.nz

PROJECT No:	01-04-10-09-00
DRAWN BY:	J.A.M. DE WAAL
DRAWING NUMBER:	FSM-32-020
DATE:	SEPT 2011
SCALE:	SCALE 2:1@A3 or AS SHOWN
SHEET OF:	1 OF 1
REV:	A

IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES



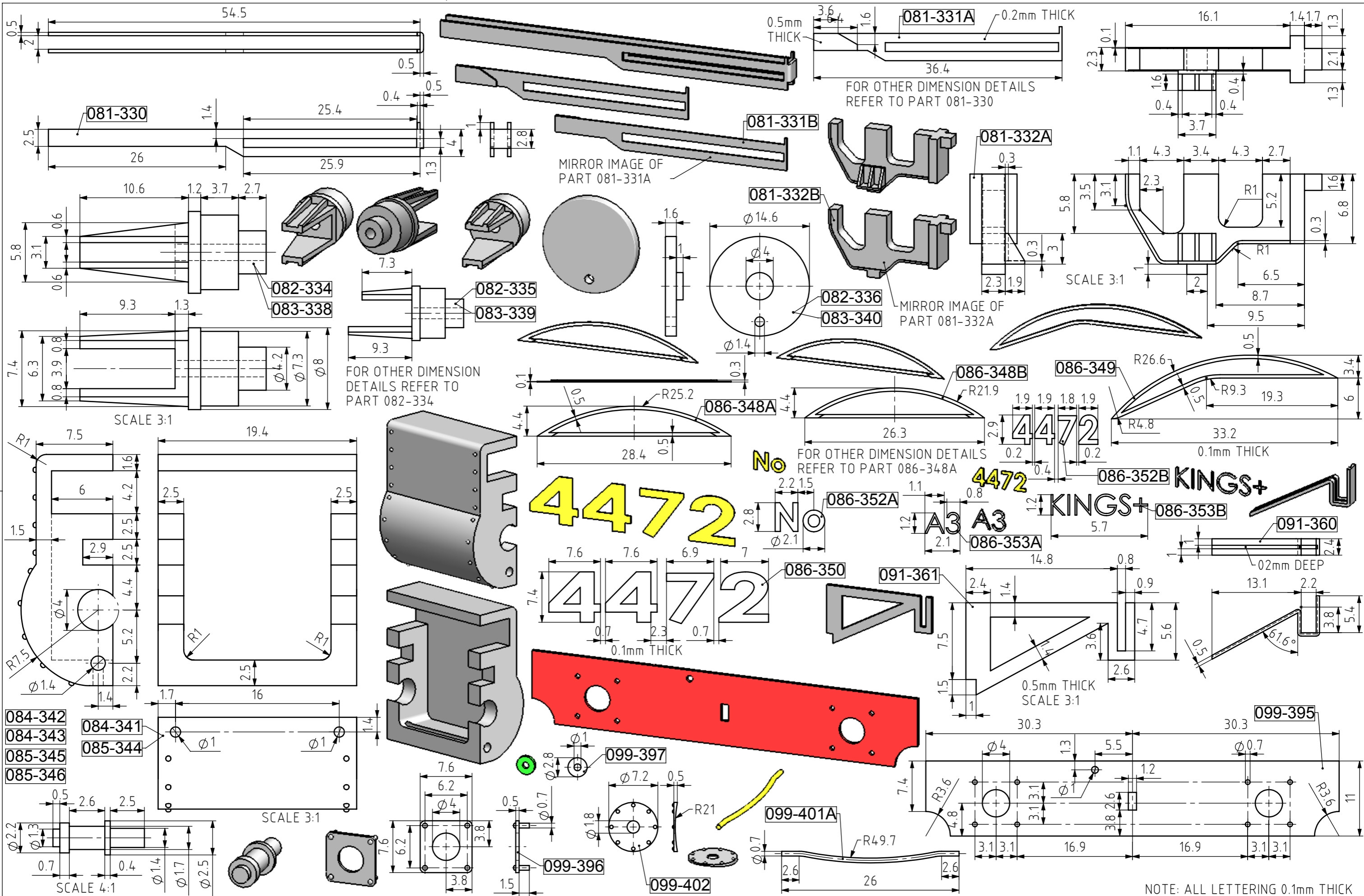
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PROJECT No: 01-04-10-09-00		DRAWN BY J.A.M. DE WAAL		PROJECTION		DRAWING NUMBER FSM-32-021		SHEET	
DATE SEPT 2011		SCALE 2:1@A3 or AS SHOWN		ISHT OF SHT		REV		A	
ISSUED FOR CONSTRUCTION		DESCRIPTION		DATE		JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz			

IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

DO NOT SCALE OF DRAWING

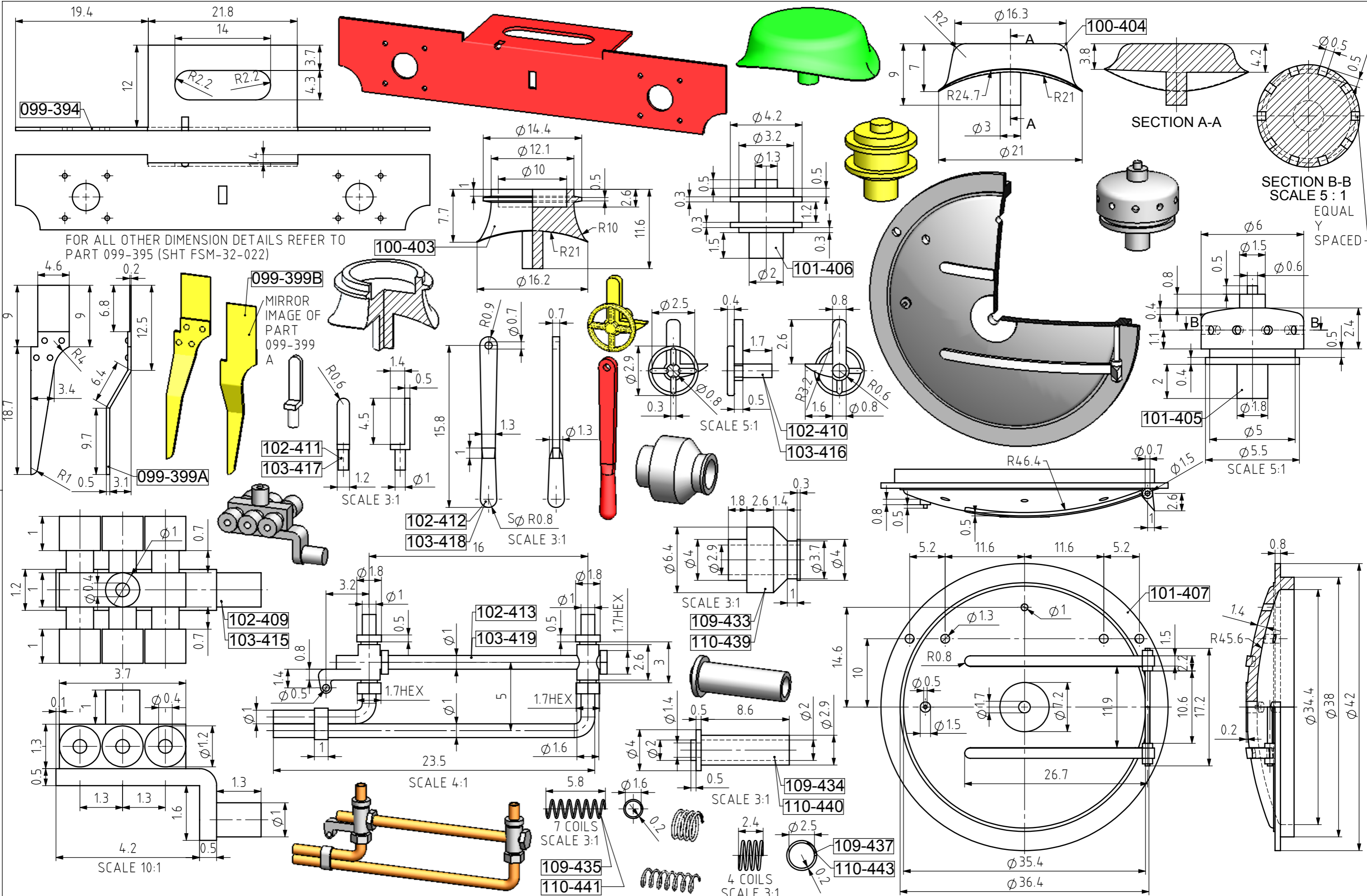
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NOTE: ALL LETTERING 0.1mm THICK

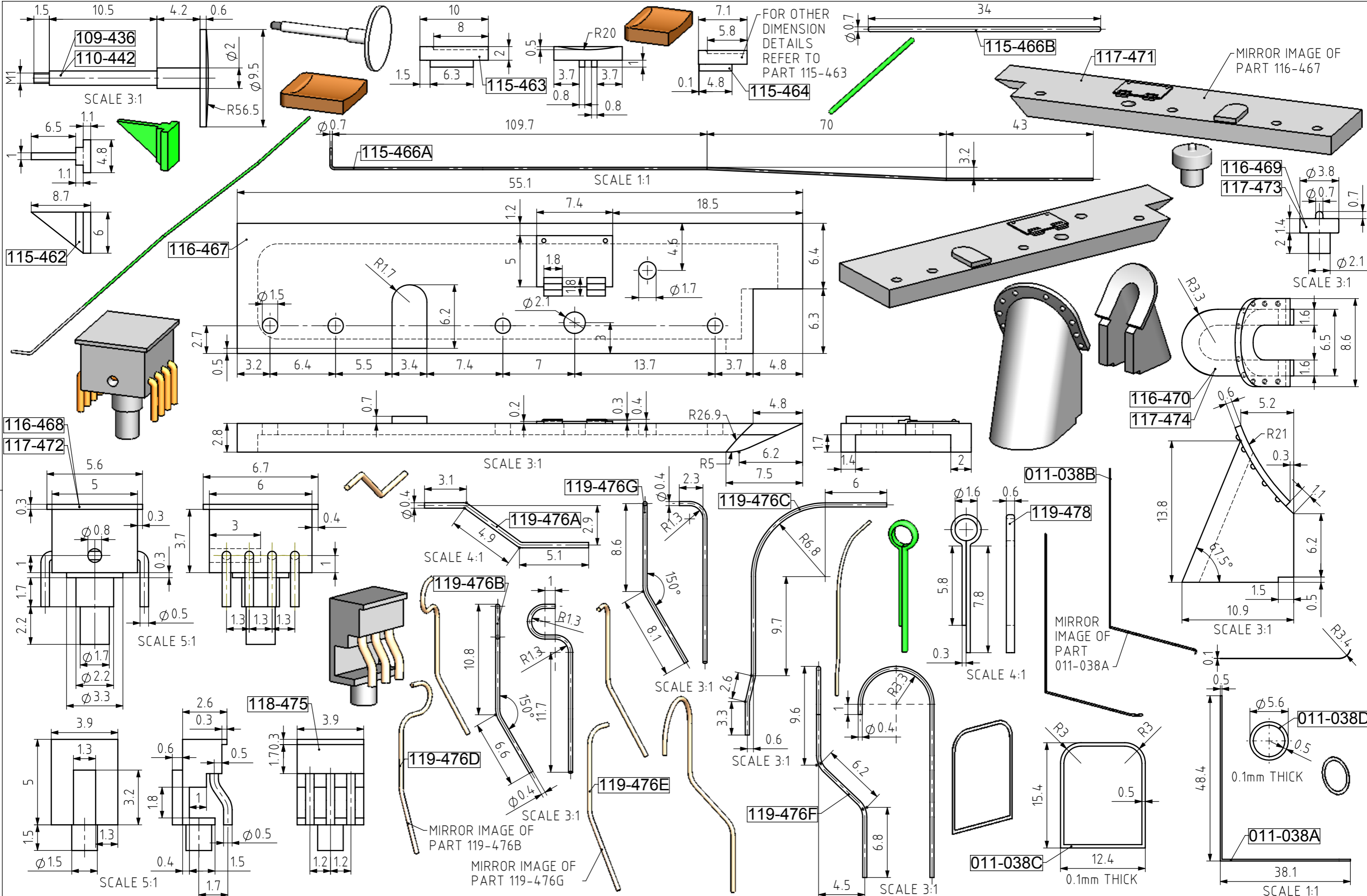
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A3			

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPA KURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00
DATE SEPT 2011	SCALE 2:1@A3 or AS SHOWN	DRAWING NUMBER FSM-32-022	SHEET A

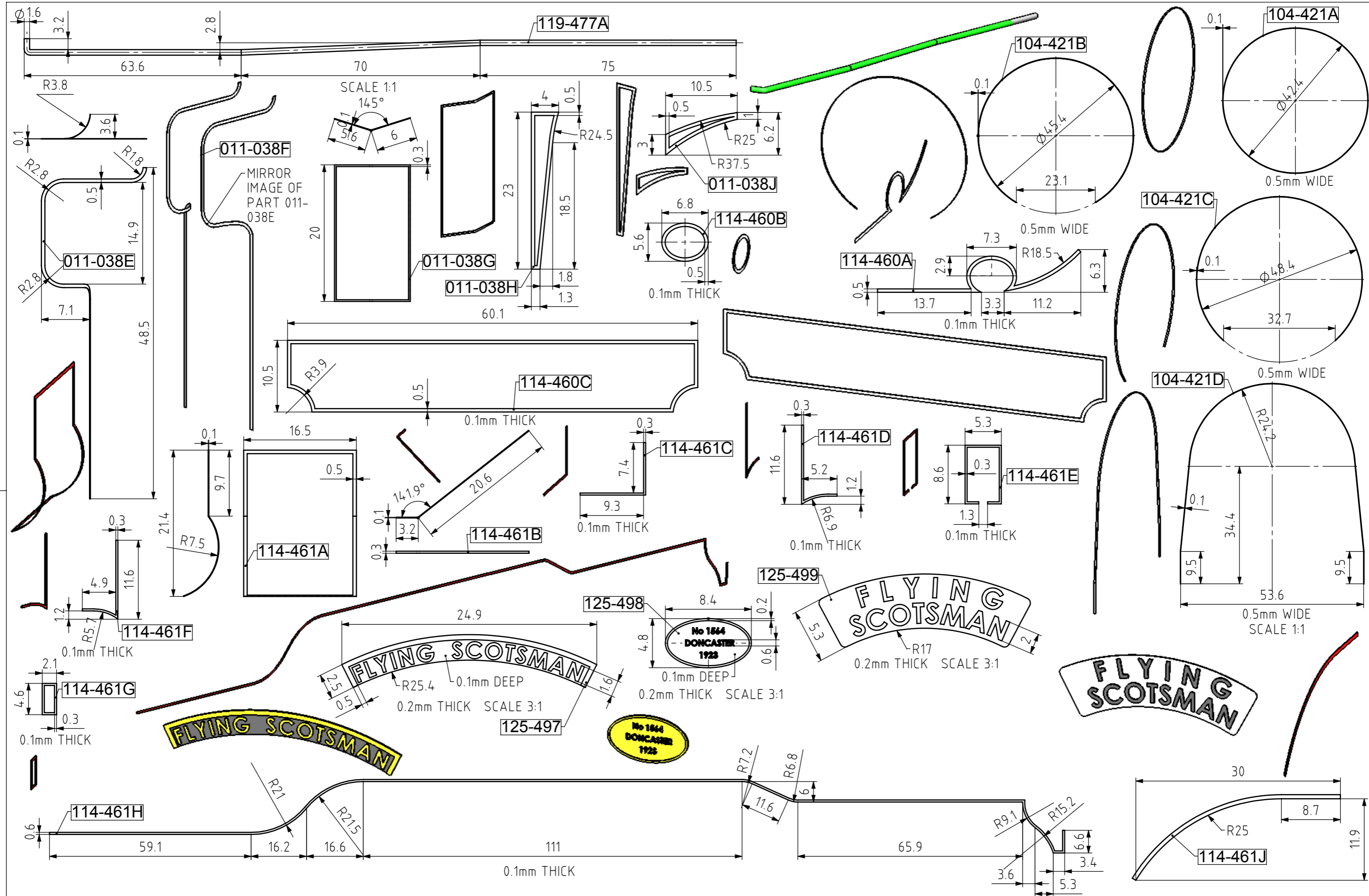


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES
	IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm	

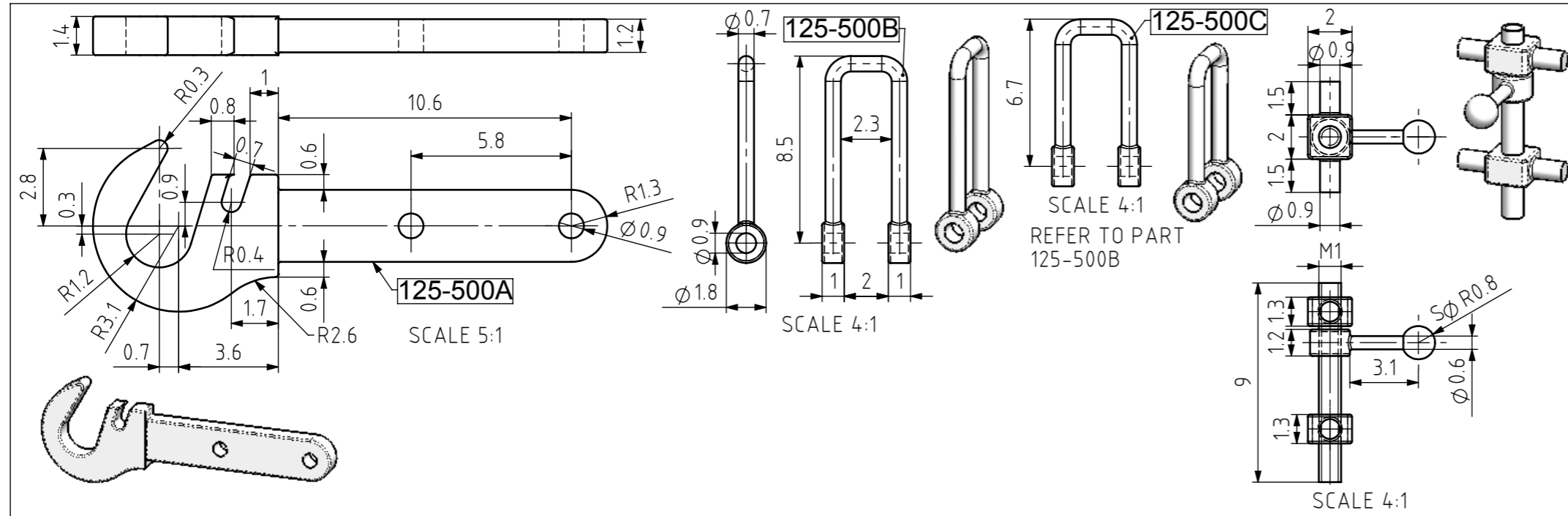
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ISSUED FOR CONSTRUCTION	DATE						



A3	TITLE	JDW DRAUGHTING SERVICES	DRAWN BY	PROJECT No:	01-04-10-09-00
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	ISSUED FOR CONSTRUCTION	DATE	SEPT 2011	SCALE 2:1@A3 or AS SHOWN	SHEET A
	DESCRIPTION	DATE		ISHT OF SHT	



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A3

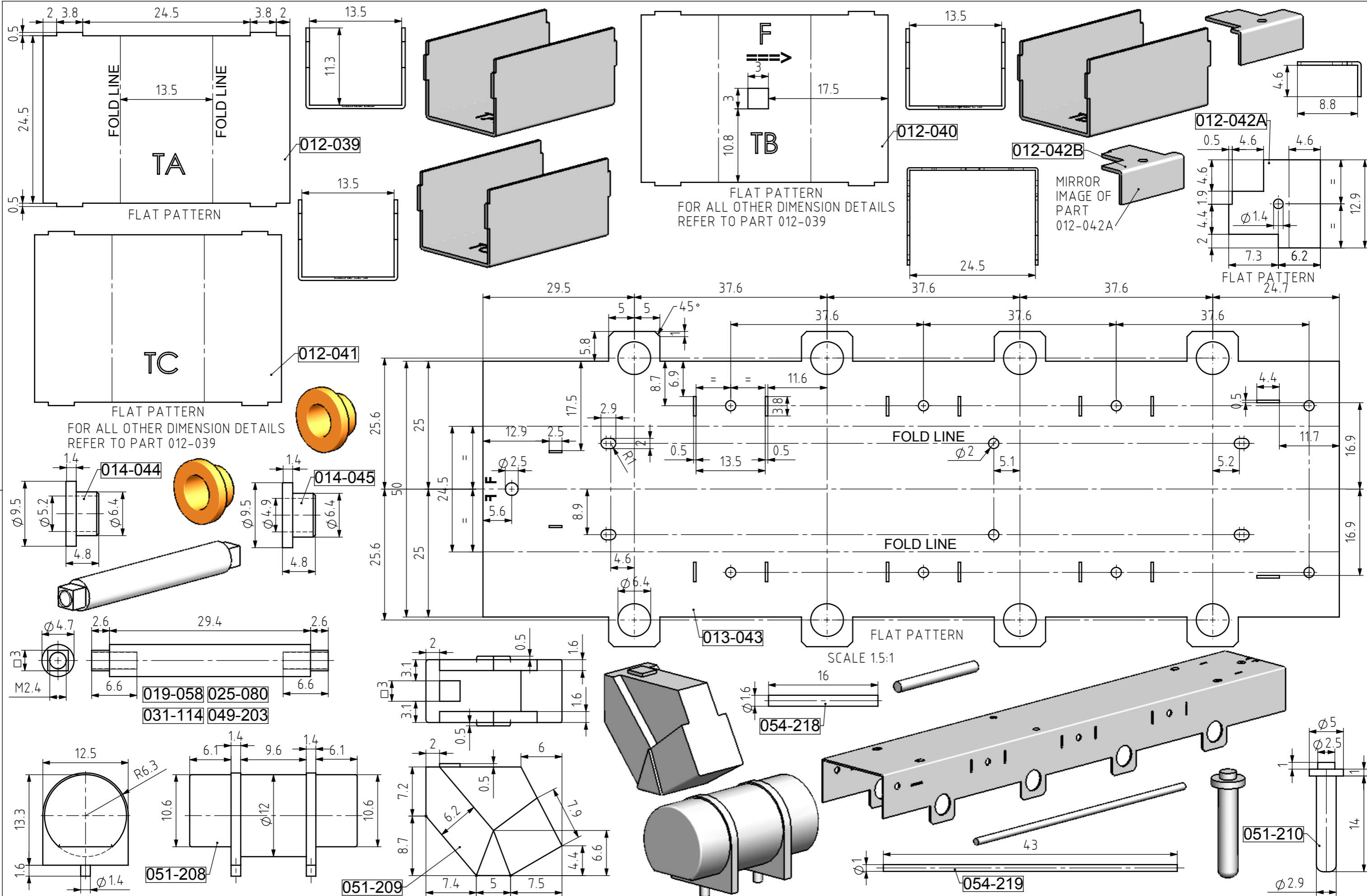
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STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK
GAUGE 32mm LOCOMOTIVE PARTS AND ASSEMBLIES

REV	DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	

JDW DRAUGHTING SERVICES
 12 BRIGHTWELL STREET
 PAKAKURA NEW ZEALAND
 TEL/FAX 0064-09-2988815
 E-MAIL:dewaal@xtra.co.nz

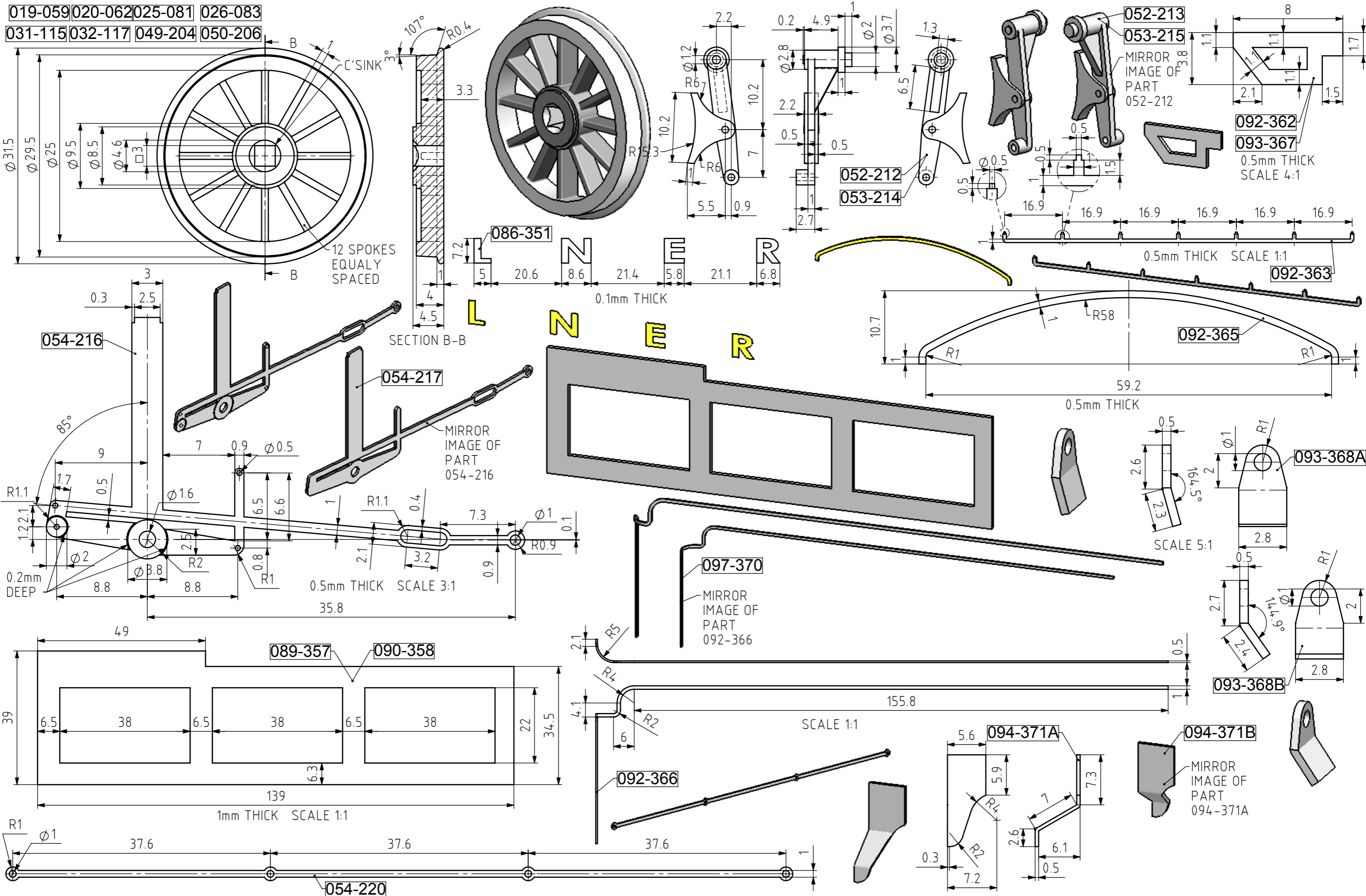
DRAWN BY
 J.A.M. DE WAAL
 DATE
 SEPT 2011

PROJECT No: 01-04-10-09-00
 PROJECTION
 DRAWING NUMBER
FSM-32-025
 SCALE 2:1@A3 or AS SHOWN
 SHEET OF SHEET
 REV
A



TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES

PROJECT No: 01-04-10-09-00		DRAWING NUMBER: FSM-32-030		SHEET: A	
DRAWN BY: J.A.M. DE WAAL		DATE: SEPT 2011		SCALE: 2:1@A3 or AS SHOWN	
JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL: dewaal@xtra.co.nz		REVISIONS		REVISIONS	
A	ISSUED FOR CONSTRUCTION				
REV	DESCRIPTION				



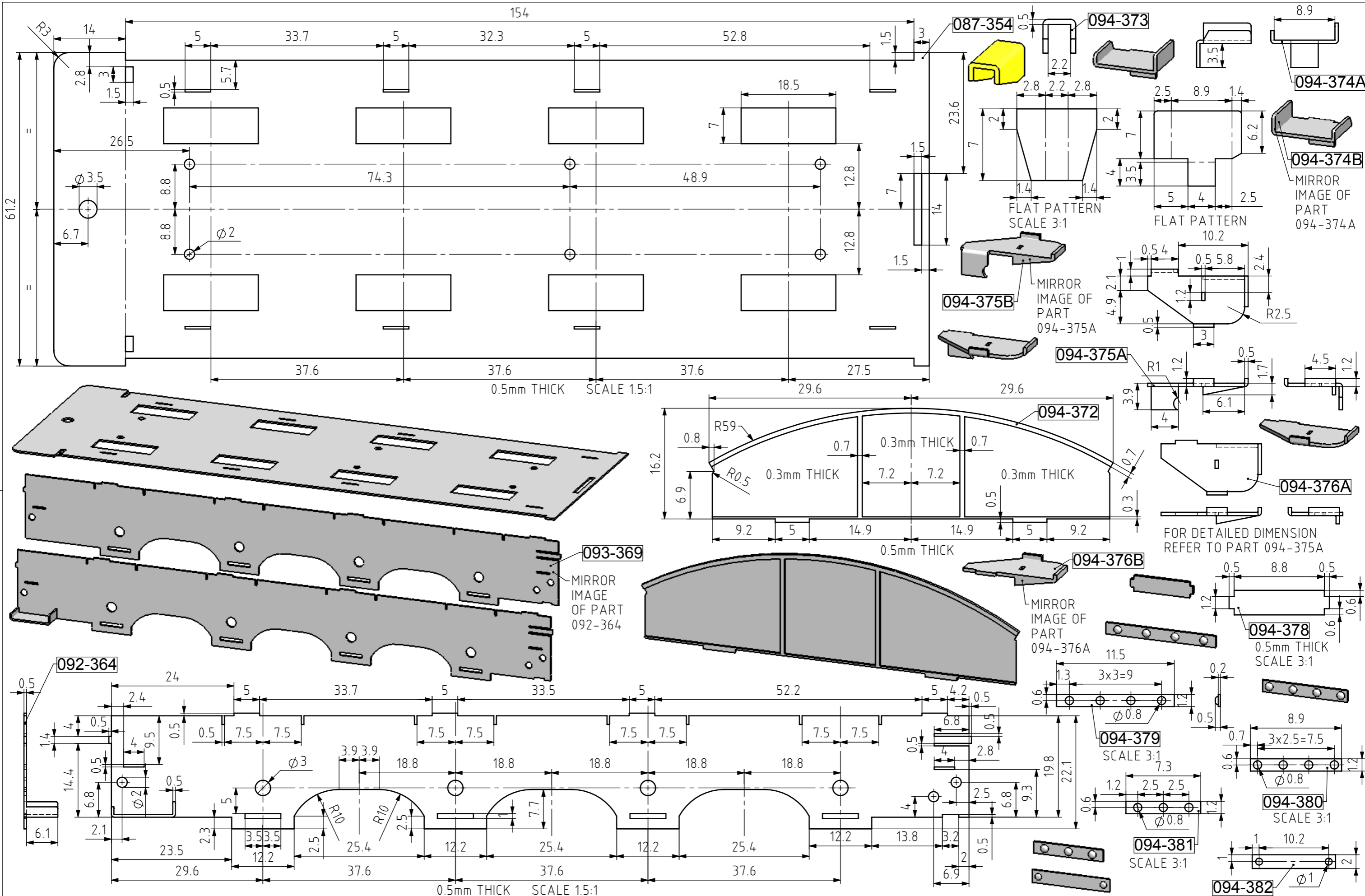
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	IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm	

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAOKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL: dewaal@xtra.co.nz		
A	ISSUED FOR CONSTRUCTION	
REV	DESCRIPTION	DATE

DRAWN BY J.A.M. DE WAAL		PROJECT No: 01-04-10-09-00	
DATE SEPT 2011		DRAWING NUMBER FSM-32-031	
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DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES



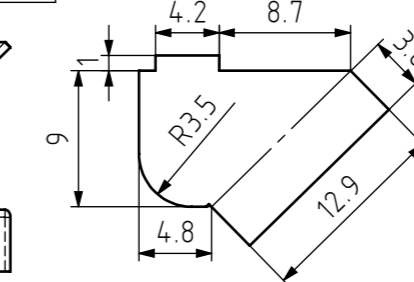
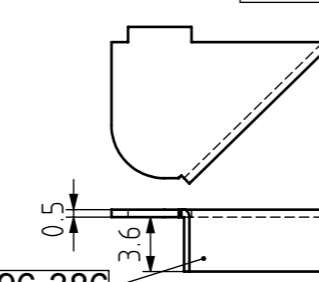
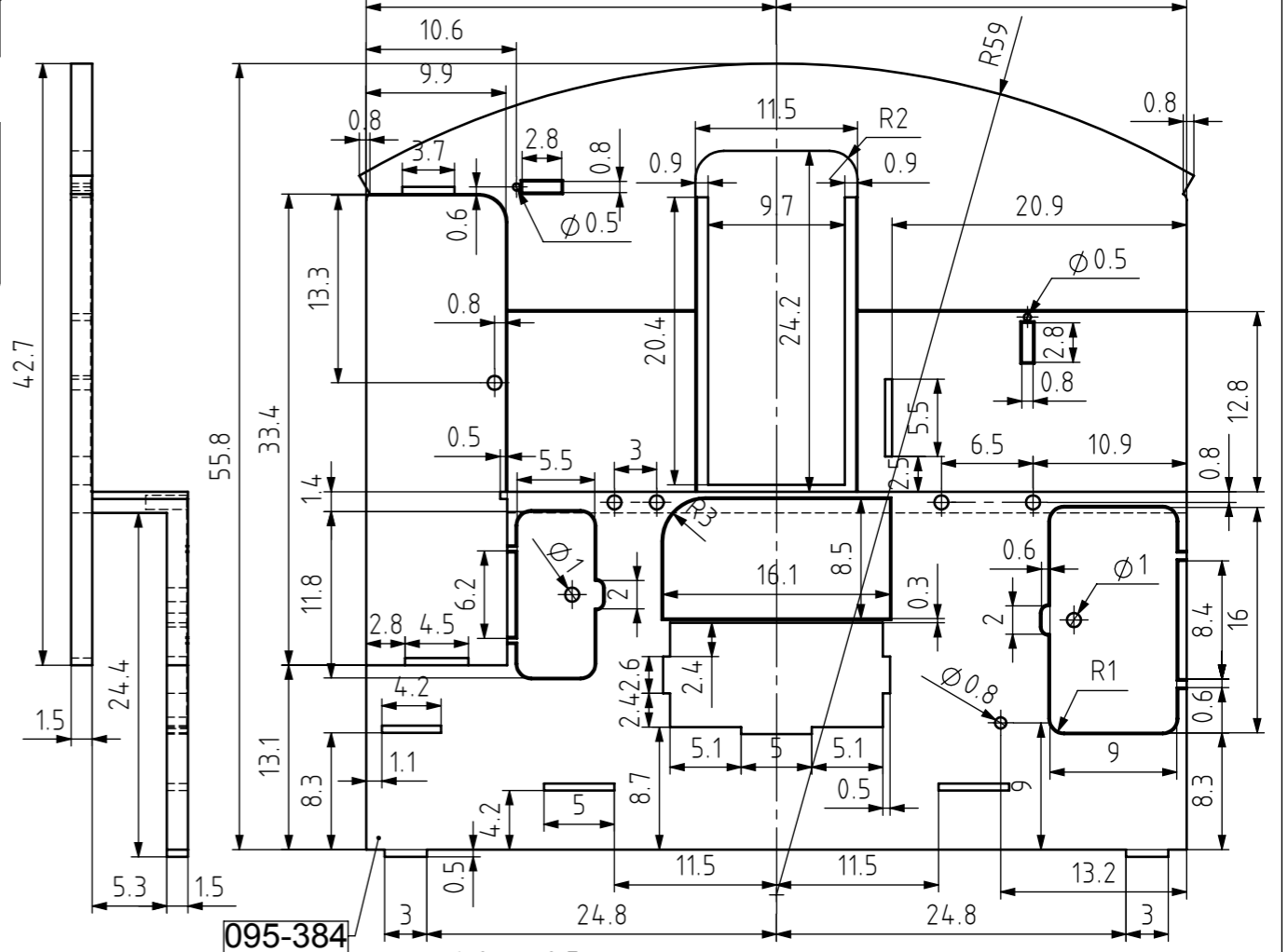
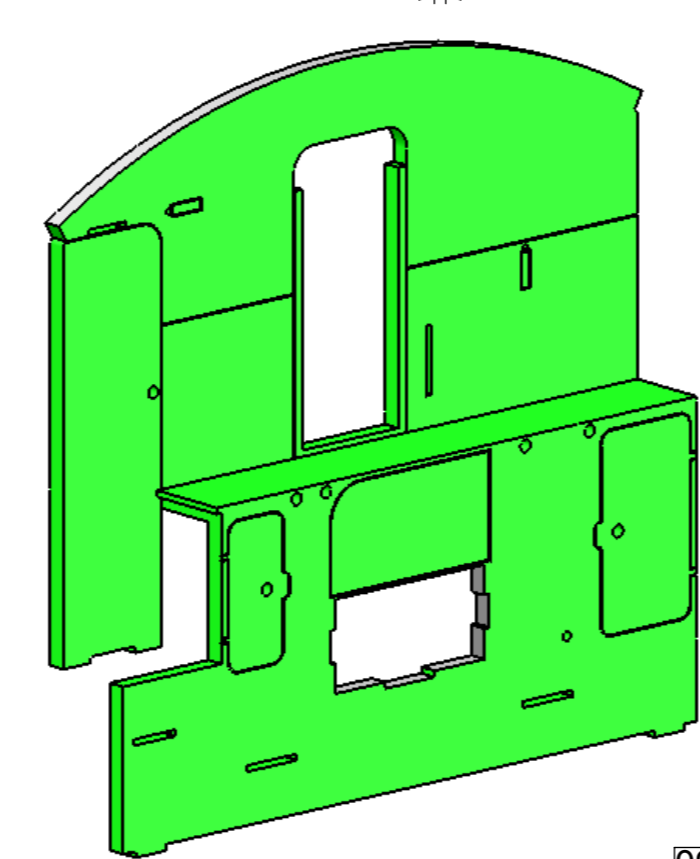
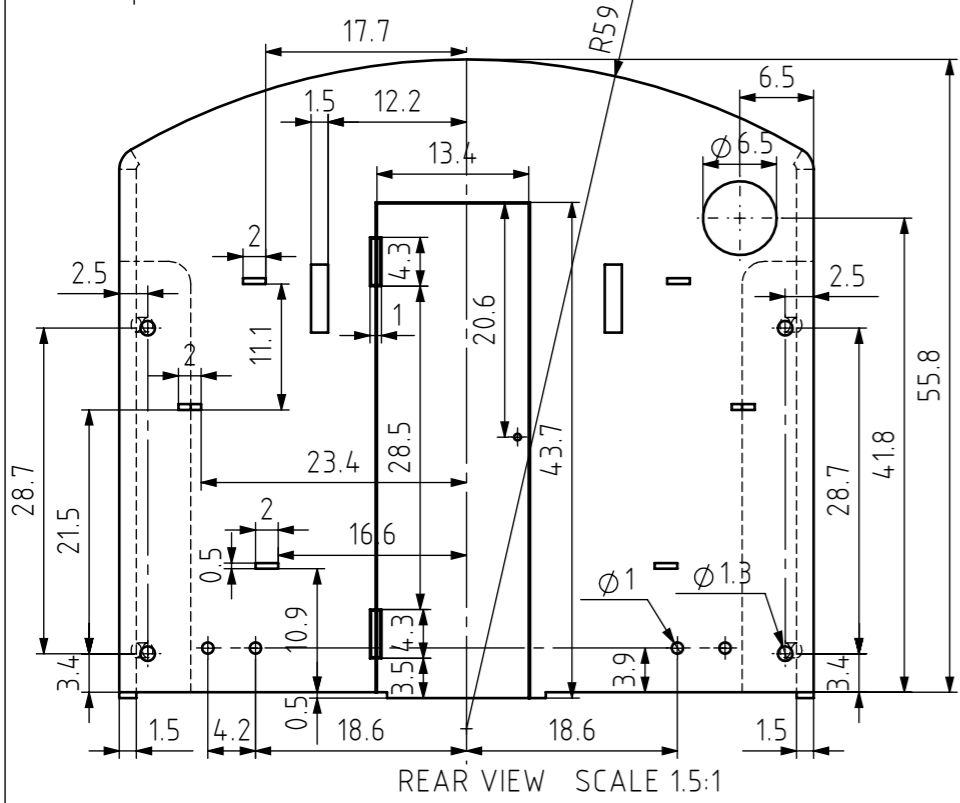
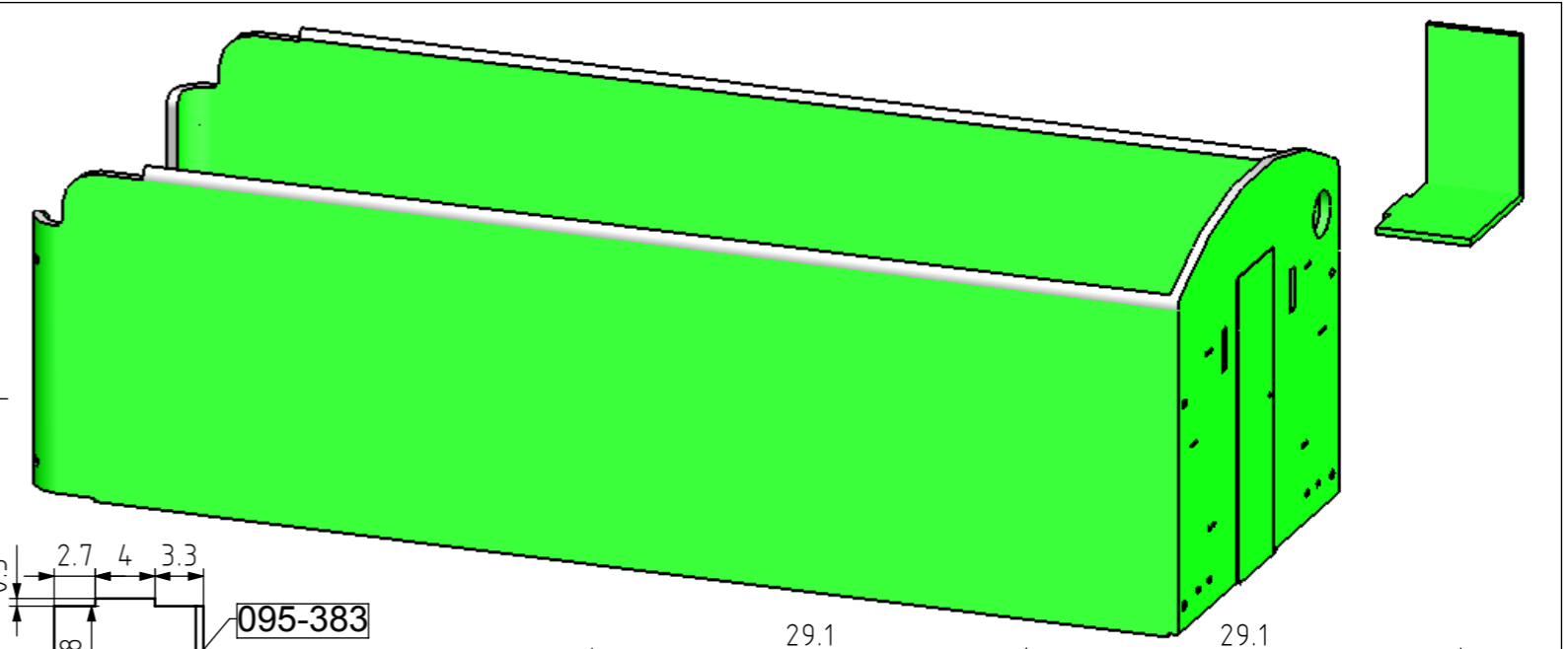
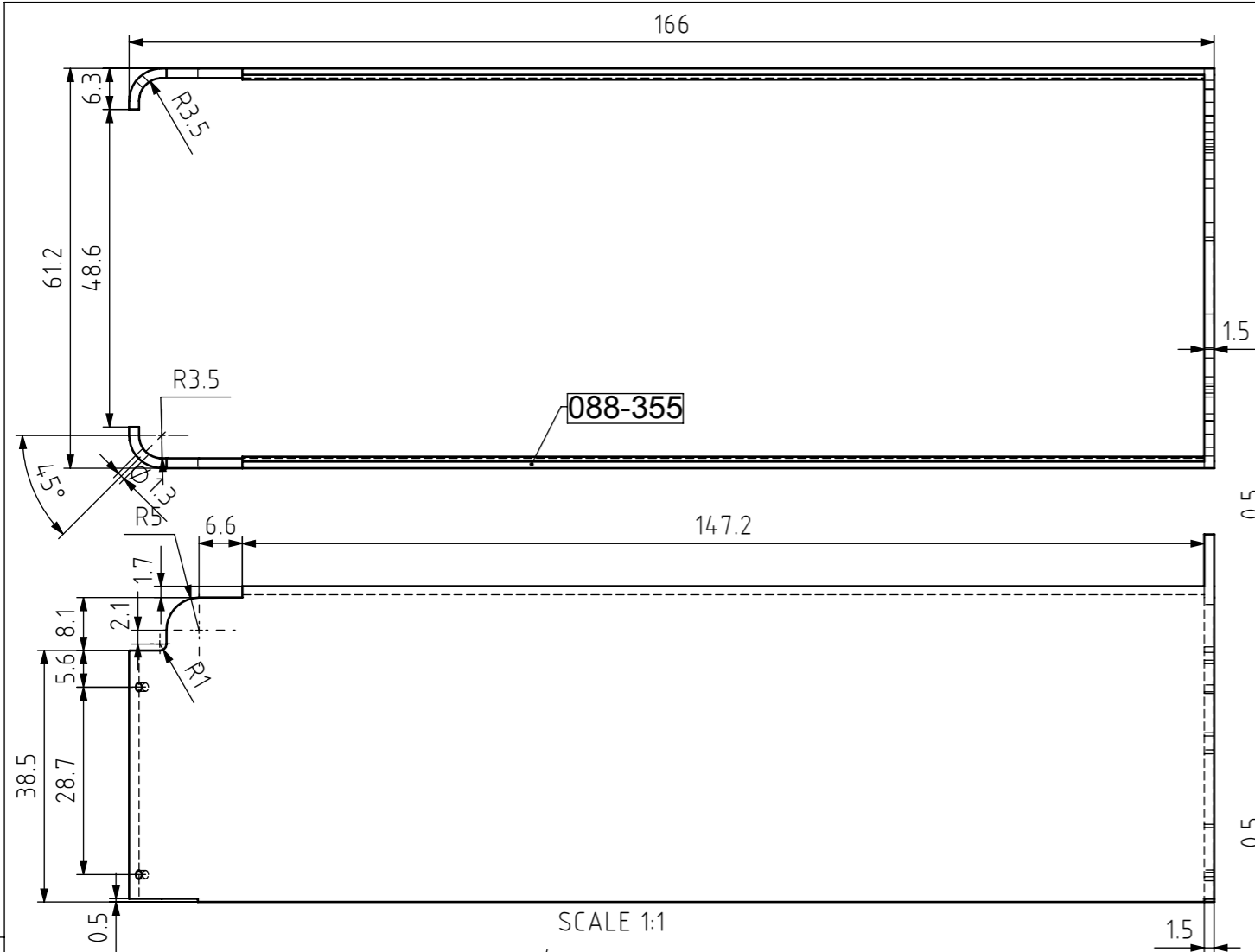
A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES
	ISSUED FOR CONSTRUCTION	DATE
REV	DESCRIPTION	DATE

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPA KURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-032	SHEET
DATE SEPT 2011	SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT	REV A		

IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

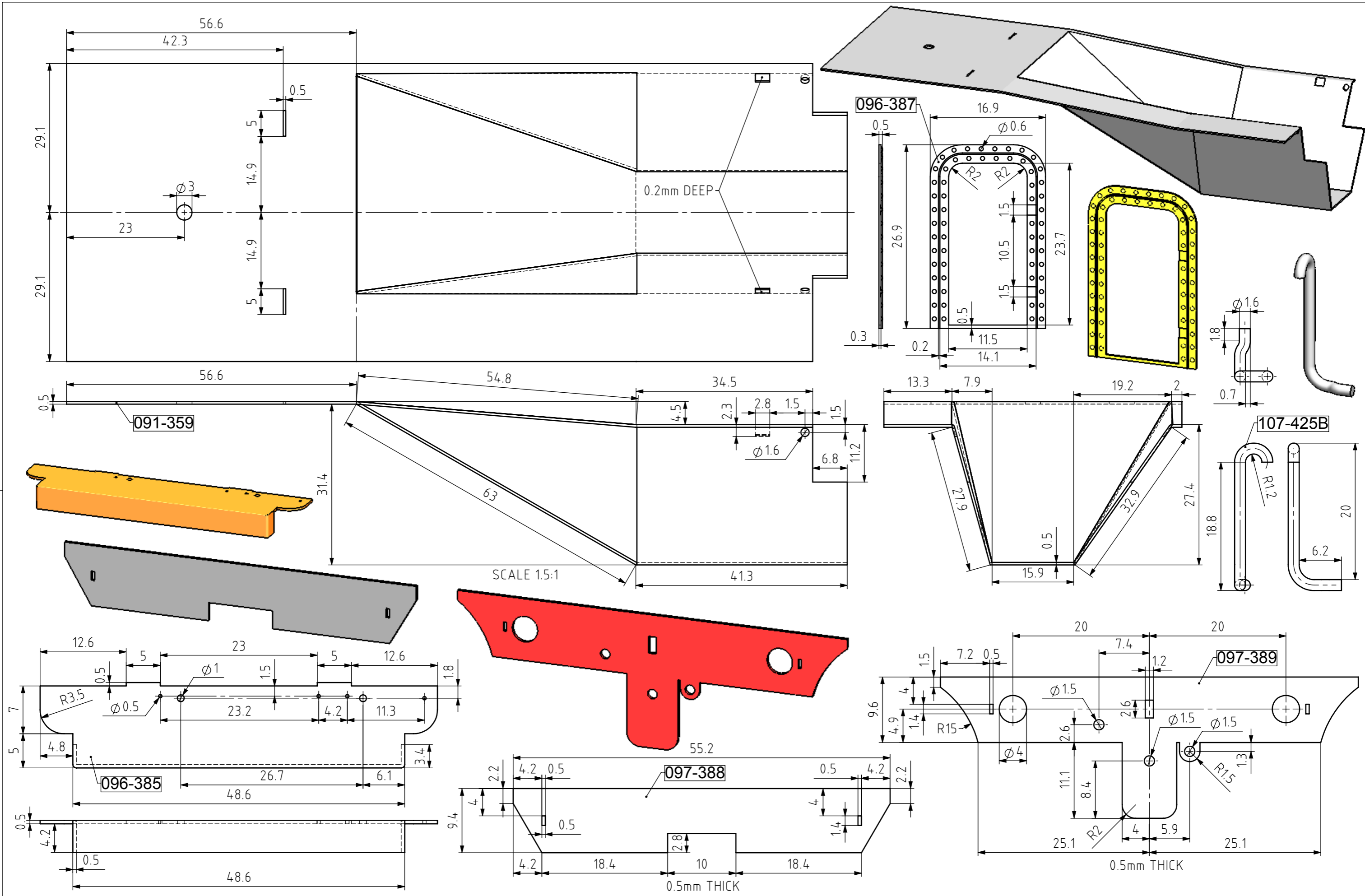
DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES



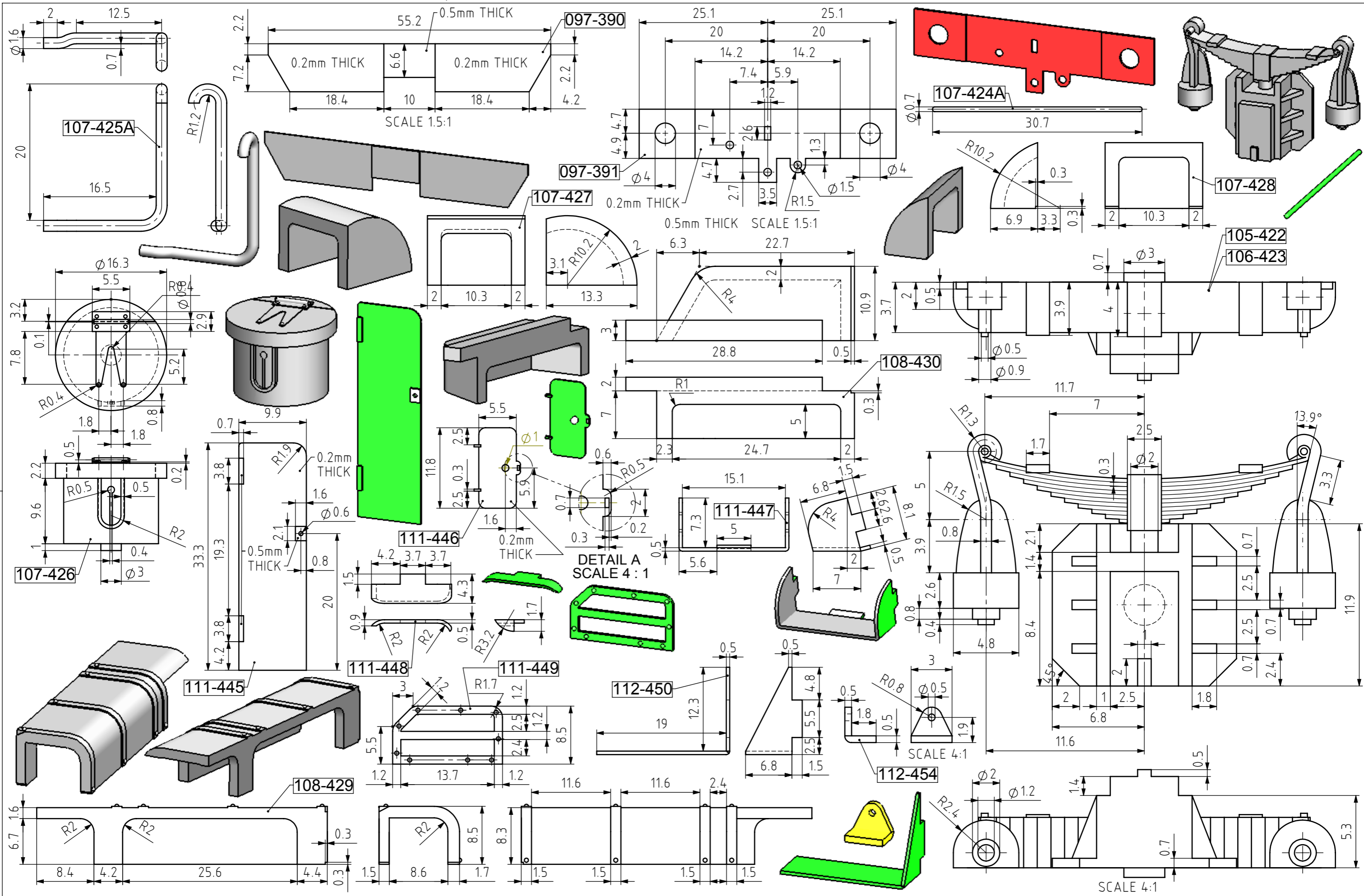
TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES

A3							PROJECT No:	01-04-10-09-00			
							DRAWN BY	J.A.M. DE WAAL	DRAWING NUMBER	FSM-32-033	
							DATE	SEPT 2011	SCALE 2:1@A3 or AS SHOWN	SHT OF SHT	A
							ISSUED FOR CONSTRUCTION				

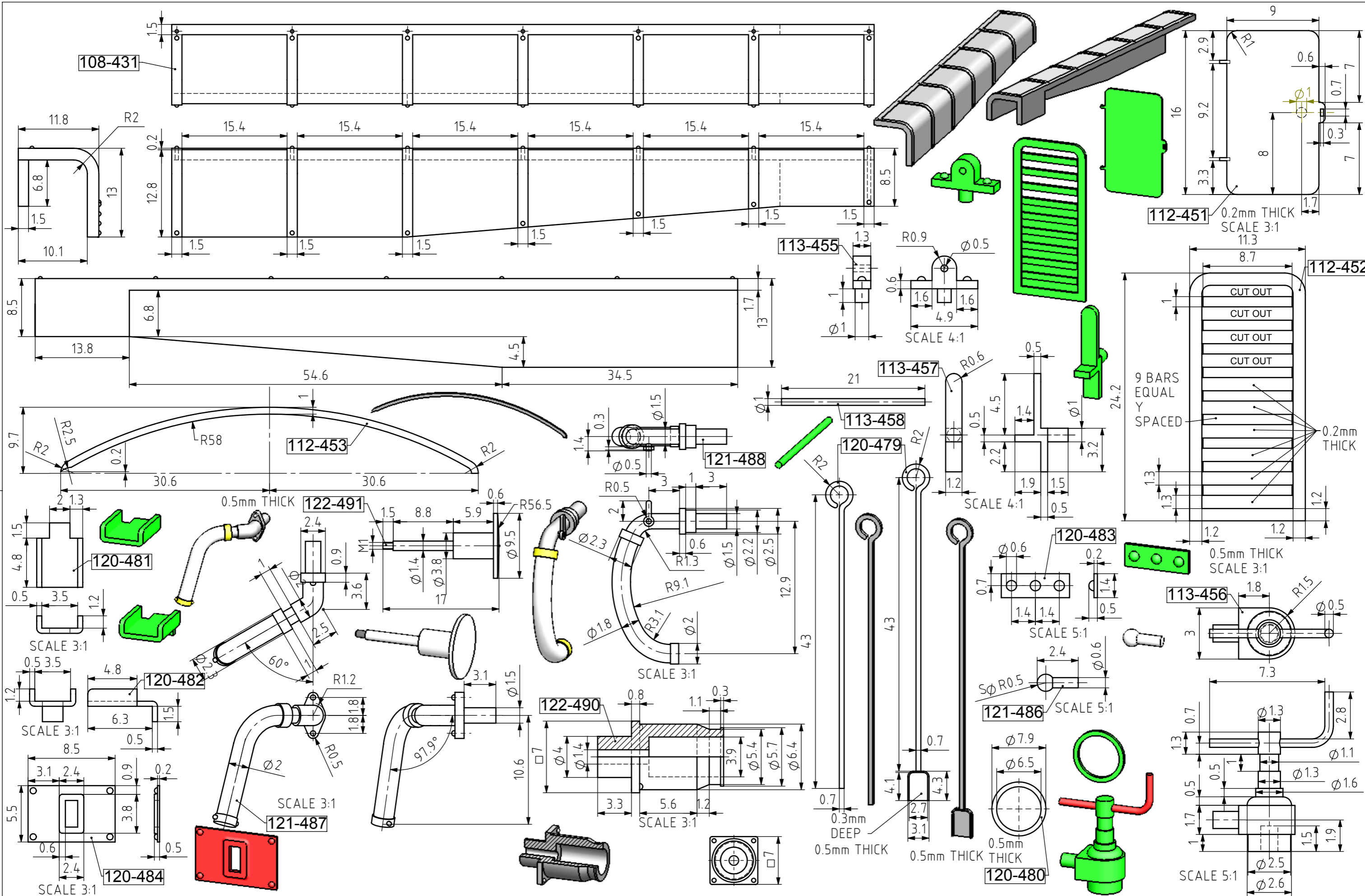


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES
	IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm	

<table border="1"> <tr> <td>ISSUED FOR CONSTRUCTION</td> <td>DATE</td> </tr> <tr> <td>DESCRIPTION</td> <td>DATE</td> </tr> </table>	ISSUED FOR CONSTRUCTION	DATE	DESCRIPTION	DATE	JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-034	SHEET A
ISSUED FOR CONSTRUCTION	DATE								
DESCRIPTION	DATE								
DATE SEPT 2011	SCALE 2:1@A3 or AS SHOWN	ISHT OF SHT	REMOVE ALL BURS AND SHARP EDGES	DO NOT SCALE OF DRAWING	REMOVE ALL BURS AND SHARP EDGES				



A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES		JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL: dewaal@xtra.co.nz	DRAWN BY	J.A.M. DE WAAL	PROJECT No:	01-04-10-09-00	SHEET
	REV	DESCRIPTION	DATE		DATE	SEPT 2011	SCALE 2:1@A3 or AS SHOWN	DRAWING NUMBER	
IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm				DO NOT SCALE OF DRAWING		REMOVE ALL BURS AND SHARP EDGES		A	

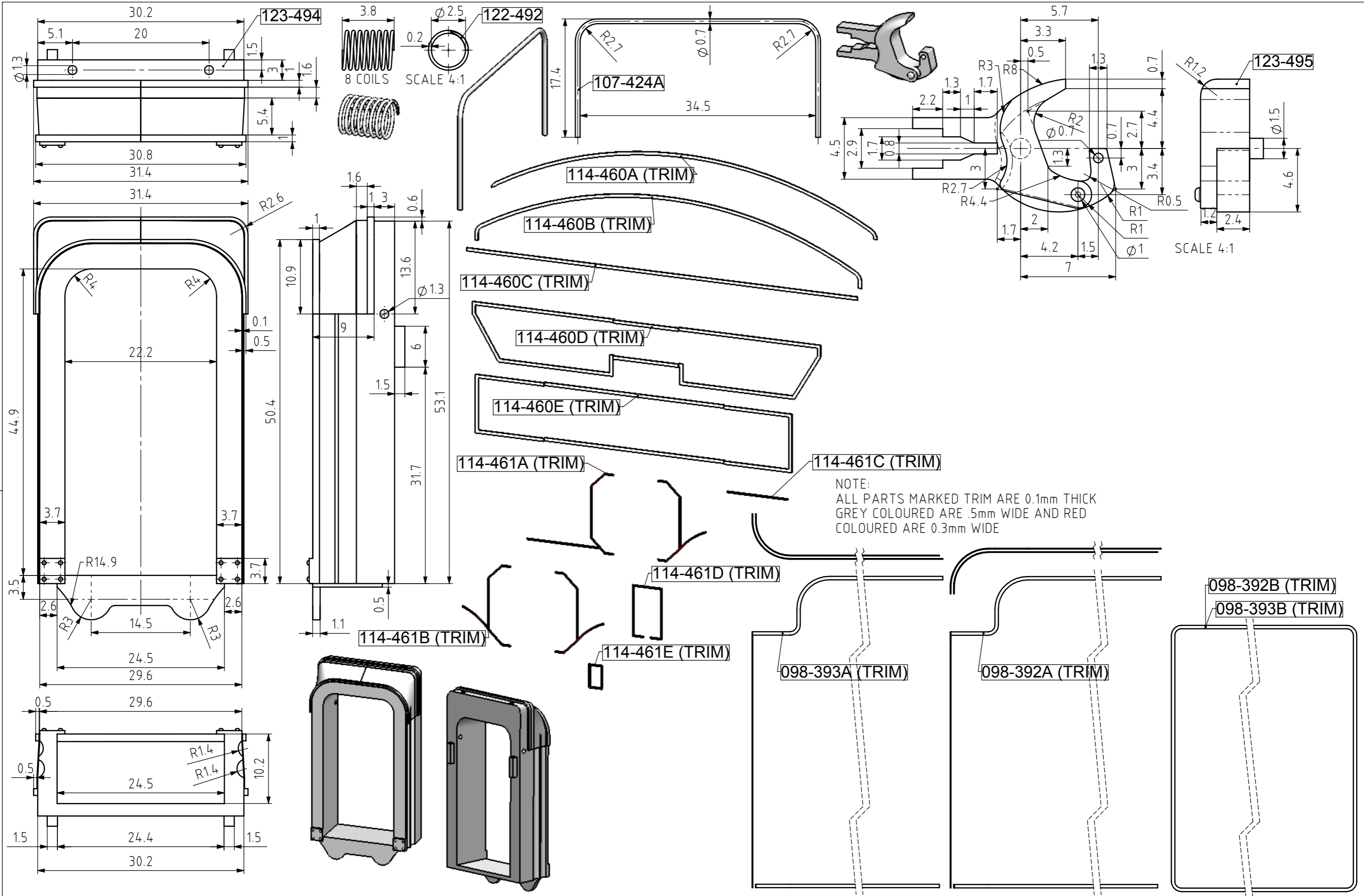


A3	TITLE	STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES		JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-036	SHEET A
	SCALE 2:1@A3 or AS SHOWN	DATE SEPT 2011	ISHT OF SHT 1		REV A			

IF NOT STATED ALL CHAMFERS AND FILLETS 0.1mm

DO NOT SCALE OF DRAWING

REMOVE ALL BURS AND SHARP EDGES



TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm TENDER PARTS AND ASSEMBLIES

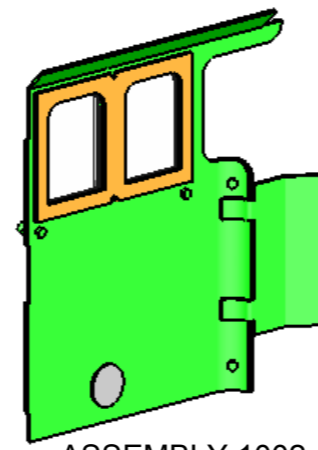
JDW DRAUGHTING SERVICES
12 BRIGHTWELL STREET
PAPAKURA NEW ZEALAND
TEL/FAX 0064-09-2988815
E-MAIL:dewaal@xtra.co.nz

PROJECT No: 01-04-10-09-00
DRAWING NUMBER: **FSM-32-037**
SCALE 2:1@A3 or AS SHOWN
SHEET: **A**



ASSEMBLY 1001

ASSEMBLY 1001	
QTY.	
1	FSM-32-001-001A-LOCO LH CAB SIDE
2	FSM-32-001-003-LOCO CAB SIDE WINDOW BEADING
1	FSM-32-001-005-LOCO WASH-OUT HOLE BEADING
1	FSM-32-001-006-LOCO WASH-OUT HOLE BEADING
1	FSM-32-001-007A-LOCO LH-CAB EDGE BEADING
1	FSM-32-010-034-LOCO CAB SIDE INNER WINDOW FRAME
1	FSM-32-010-036-LOCO CAB SCINDER GUARD
1	FSM-32-010-037-LOCO CAB DOOR
1	FSM-32-011-038A-LOCO LH-CAB SIDE TRIM
2	FSM-32-011-038C-LOCO CAB SIDE WINDOW TRIM
1	FSM-32-011-038D-LOCO WASH-OUT HOLE TRIM
1	FSM-32-011-038E-LOCO CAB LH-SIDE TRIM
1	FSM-32-011-038G-LOCO CAB DOOR TRIM
2	FSM-32-015-046A-LOCO SIDE WINDOW
4	FSM-32-015-047-LOCO HANDRAIL KNOB
1	FSM-32-015-048A-LOCO HANDRAIL 29.2
1	FSM-32-015-048B-LOCO HANDRAIL 27
1	FSM-32-086-350-LOCO CAB SIDE NUMBERS
1	FSM-32-088-356A-LOCO CINDER GUARD WINDOW



ASSEMBLY 1002

ASSEMBLY 1002	
QTY.	
1	FSM-32-001-001B-LOCO RH CAB SIDE
2	FSM-32-001-003-LOCO CAB SIDE WINDOW BEADING
1	FSM-32-001-005-LOCO WASH-OUT HOLE BEADING
1	FSM-32-001-006-LOCO WASH-OUT HOLE BEADING
1	FSM-32-001-007B-LOCO RH-CAB EDGE BEADING
1	FSM-32-010-034-LOCO CAB SIDE INNER WINDOW FRAME
1	FSM-32-010-036-LOCO CAB SCINDER GUARD
1	FSM-32-010-037-LOCO CAB DOOR
1	FSM-32-011-038B-LOCO RH-CAB SIDE TRIM
2	FSM-32-011-038C-LOCO CAB SIDE WINDOW TRIM
1	FSM-32-011-038D-LOCO WASH-OUT HOLE TRIM
1	FSM-32-011-038F-LOCO CAB RH-SIDE TRIM
1	FSM-32-011-038G-LOCO CAB DOOR TRIM
2	FSM-32-015-046A-LOCO SIDE WINDOW
4	FSM-32-015-047-LOCO HANDRAIL KNOB
1	FSM-32-015-048A-LOCO HANDRAIL 29.2
1	FSM-32-015-048B-LOCO HANDRAIL 27
1	FSM-32-086-350-LOCO CAB SIDE NUMBERS
1	FSM-32-088-356A-LOCO CINDER GUARD WINDOW

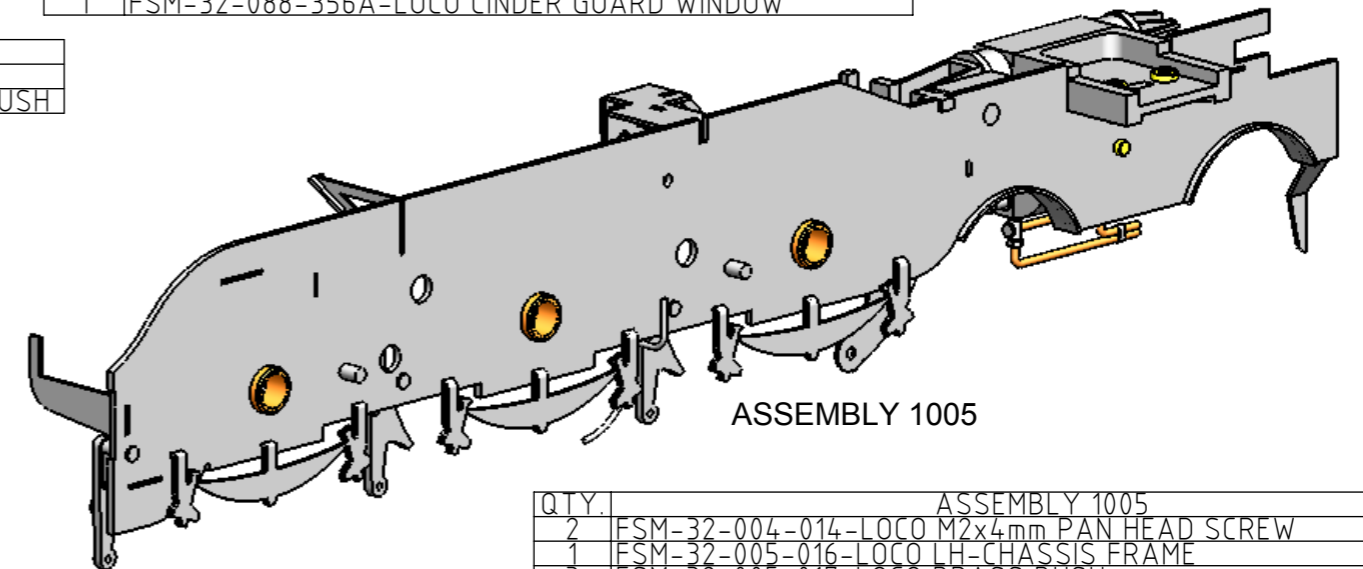
ASSEMBLY 1007	
QTY.	
1	FSM-32-003-009-LOCO TENDER DRAW BAR
1	FSM-32-008-028-LOCO TENDER DRAW BARBUSH

ASSEMBLY 1007



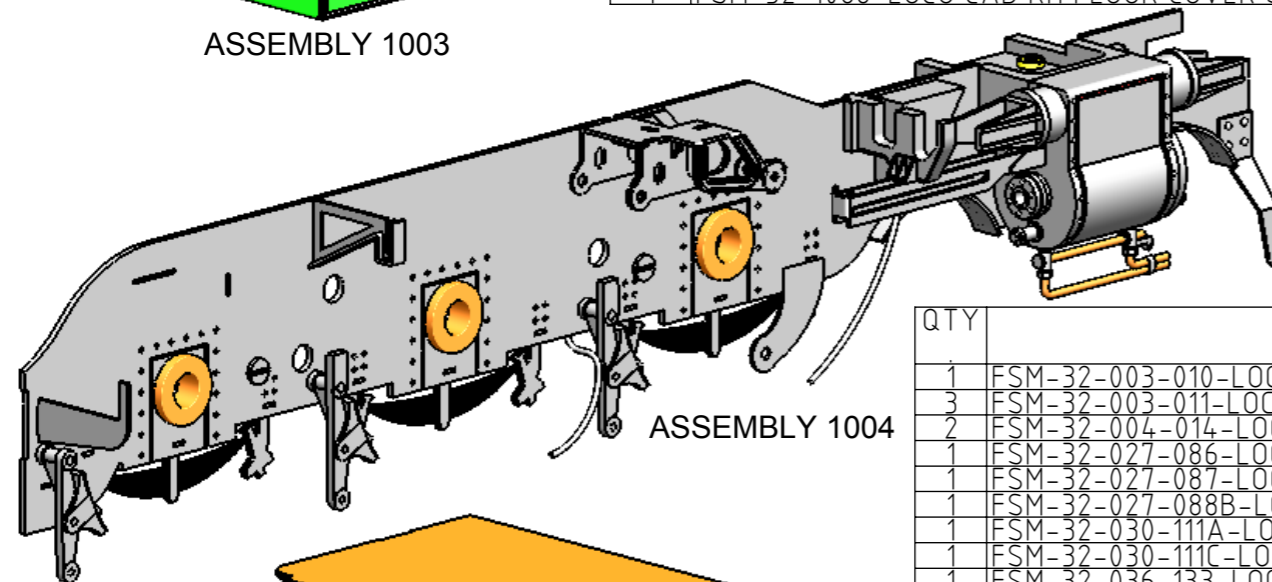
ASSEMBLY 1003

ASSEMBLY 1003	
QTY.	
1	FSM-32-001-002-LOCO LH CAB FRONT AND FLOOR
1	FSM-32-001-004A-LOCO RH-FRONT WINDOW BEADING
1	FSM-32-001-004B-LOCO LH-FRONT WINDOW BEADING
2	FSM-32-011-038H-LOCO CAB FRONT SIDE TRIM
2	FSM-32-011-038J-LOCO CAB FRONT TOP TRIM
2	FSM-32-015-046B-LOCO FRONT WINDOW
1	FSM-32-015-050-LOCO CAB ROOF BEADING
1	FSM-32-029-098-LOCO WHISTLE
1	FSM-32-041-162-LOCO LH-CAB FLOOR COVER
1	FSM-32-079-323-LOCO CENTRE FLOOR PLATFORM
1	FSM-32-1001-LOCO DRIVERS CAB LH-SIDE SUB ASSEMBLY
1	FSM-32-1002-LOCO DRIVERS CAB RH-SIDE SUB ASSEMBLY
1	FSM-32-1008-LOCO CAB FLOOR SUB ASSEMBLY
1	FSM-32-1009-LOCO CAB ROOF SUB ASSEMBLY
1	FSM-32-1011-LOCO BOILER BACKHEAD SUB ASSEMBLY
1	FSM-32-1054-LOCO DRIVERS SEAT SUB ASSEMBLY
1	FSM-32-1055-LOCO FIREMAN SEAT SUB ASSEMBLY
1	FSM-32-1066-LOCO CAB RH FLOOR COVER SUB ASSEMBLY



ASSEMBLY 1005

ASSEMBLY 1005	
QTY.	
2	FSM-32-004-014-LOCO M2x4mm PAN HEAD SCREW
1	FSM-32-005-016-LOCO LH-CHASSIS FRAME
3	FSM-32-005-017-LOCO BRASS BUSH
1	FSM-32-027-086-LOCO FRONT SPLASHERS
1	FSM-32-027-087-LOCO REAR SPLASHERS
1	FSM-32-027-088A-LOCO LH-SANDBOX
1	FSM-32-030-111A-LOCO SANDBOX DOWN PIPE
1	FSM-32-030-111B-LOCO SAND PIPE
1	FSM-32-036-133-LOCO LARGE FOOTPLATE SUPPORT
1	FSM-32-036-135-LOCO SMALL FOOTPLATE SUPPORT BRACKET
1	FSM-32-036-136-LOCO SUPPORT BRACKET DETAIL PLATE
1	FSM-32-036-137-LOCO BRAKE GEAR SUPPORT
1	FSM-32-036-138B-LOCO LH-GUARD IRONS
2	FSM-32-055-221-LOCO LH-BRAKE
1	FSM-32-055-222-LOCO LH-REAR BRAKE
1	FSM-32-081-332A-LOCO LH-SLIDE BAR SUPPORT
1	FSM-32-1013-LOCO AXLE SPRING SUB ASSEMBLY
1	FSM-32-1014-LOCO AXLE SPRING SUB ASSEMBLY
1	FSM-32-1015-LOCO AXLE SPRING SUB ASSEMBLY
1	FSM-32-1045-LOCO LH-MOTION BRACKET SUB ASSEMBLY
1	FSM-32-1050-LOCO LH-CYLINDER SUB ASSEMBLY



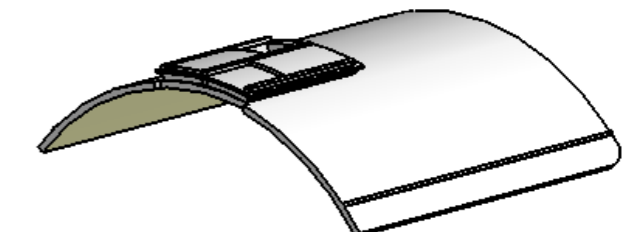
ASSEMBLY 1004

ASSEMBLY 1004	
QTY.	
1	FSM-32-003-010-LOCO RH-CHASSIS FRAME
3	FSM-32-003-011-LOCO BRASS BUSH
2	FSM-32-004-014-LOCO M2x4mm PAN HEAD SCREW
1	FSM-32-027-086-LOCO FRONT SPLASHERS
1	FSM-32-027-087-LOCO REAR SPLASHERS
1	FSM-32-027-088B-LOCO RH-SANDBOX
1	FSM-32-030-111A-LOCO SANDBOX DOWN PIPE
1	FSM-32-030-111C-LOCO SAND PIPE
1	FSM-32-036-133-LOCO LARGE FOOTPLATE SUPPORT
1	FSM-32-036-137-LOCO BRAKE GEAR SUPPORT
1	FSM-32-036-138A-LOCO RH-GUARD IRONS
2	FSM-32-056-223-LOCO RH-BRAKE
1	FSM-32-056-224-LOCO RH REAR BRAKE
1	FSM-32-081-332B-LOCO RH-SLIDE BAR SUPPORT
1	FSM-32-1013-LOCO AXLE SPRING SUB ASSEMBLY
1	FSM-32-1014-LOCO AXLE SPRING SUB ASSEMBLY
1	FSM-32-1015-LOCO AXLE SPRING SUB ASSEMBLY
1	FSM-32-1044-LOCO RH-MOTION BRACKET SUB ASSEMBLY
1	FSM-32-1051-LOCO RH-CYLINDER SUB ASSEMBLY
1	FSM-32-1059-LOCO REVERSING ROD SUPPORT BRACKET SUB ASSEMBLY



ASSEMBLY 1008

ASSEMBLY 1008	
QTY.	
1	FSM-32-009-030-LOCO CAB FLOOR
1	FSM-32-009-031-LOCO CAB FLOOR FALL PLATE
1	FSM-32-009-032-LOCO CAB FLOOR DETAIL

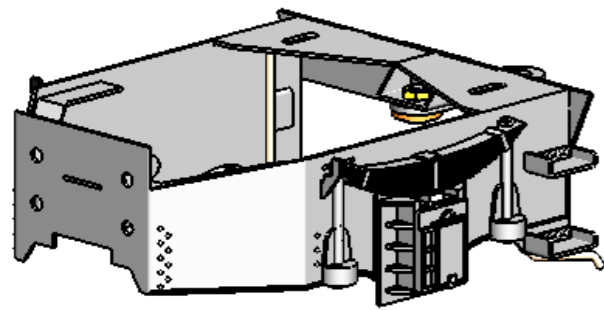


ASSEMBLY 1009

ASSEMBLY 1009	
QTY.	
2	FSM-32-010-035-LOCO CAB ROOF VENT HATCH
1	FSM-32-015-049-LOCO CAB ROOF
1	FSM-32-015-051-LOCO CAB ROOF VENT

A3 TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm ASSEMBLIES

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-040	SHEET A
A ISSUED FOR CONSTRUCTION	REV DESCRIPTION	DATE SEPT 2011	SCALE NTS@A3 or AS SHOWN	ISHT OF SHT	REV A



ASSEMBLY 1006

QTY.	ASSEMBLY 1006
1	FSM-32-006-018-LOCO REAR FRAME
1	FSM-32-006-019-LOCO REAR FRAME FILLET PLATE
1	FSM-32-006-020-LOCO DRAW BAR BACKING PLATE
1	FSM-32-006-021-LOCO TENDER LOCO COUPLING PLATE
1	FSM-32-006-022-LOCO M2 NUT
1	FSM-32-007-023-LOCO DRAW BAR DETAIL PLATE
1	FSM-32-007-024A-LOCO RH-REAR FRAME STEP TREAD
1	FSM-32-007-024B-LOCO LH-REAR FRAME STEP TREAD
4	FSM-32-007-025-LOCO STEP TREAD RIVET STRIP
2	FSM-32-008-026-LOCO AXLE BOX
1	FSM-32-008-027A-LOCO RH-AXLE BOX FACE PLATE
1	FSM-32-008-027B-LOCO LH-AXLE BOX FACE PLATE
1	FSM-32-008-029-LOCO M2x4mm PAN HEAD SCREW
2	FSM-32-036-134-LOCO SMALL FOOTPLATE SUPPORT
2	FSM-32-057-227A-LOCO INJECTOR PIPE
1	FSM-32-1007-LOCO DRAW BAR SUB ASSEMBLY
2	FSM-32-114-461B-LOCO PONY FRAME SIDE TRIM
2	FSM-32-114-461C-LOCO PONY FRAME SIDE REAR TRIM
2	FSM-32-114-461D-LOCO PONY FRAME SIDE AXLE BOX RH SIDE TRIM
2	FSM-32-114-461E-LOCO PONY FRAME SIDE AXLE BOX LID TRIM
2	FSM-32-114-461F-LOCO PONY FRAME SIDE AXLE BOX LH SIDE TRIM
2	FSM-32-114-461G-LOCO PONY FRAME SIDE AXLE BOX SPRING TRIM



ASSEMBLY 1013

QTY.	ASSEMBLY 1013
1	FSM-32-022-069-LOCO AXLE SPRING
2	FSM-32-022-070-LOCO AXLE SPRING SIDE DETAIL
1	FSM-32-022-071-LOCO AXLE SPRING CENTRE DETAIL



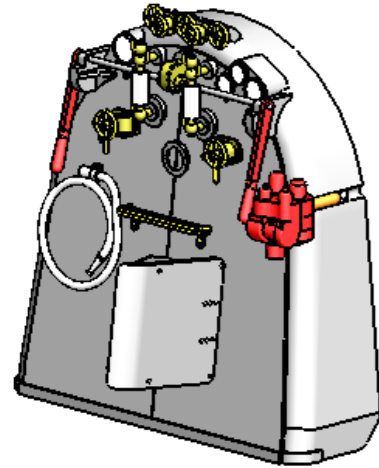
ASSEMBLY 1014

QTY.	ASSEMBLY 1014
1	FSM-32-023-073-LOCO AXLE SPRING
2	FSM-32-023-074-LOCO AXLE SPRING SIDE DETAIL
1	FSM-32-023-075-LOCO AXLE SPRING CENTRE DETAIL



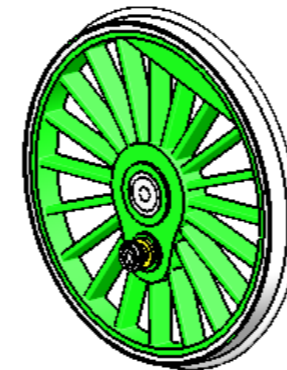
ASSEMBLY 1015

QTY.	ASSEMBLY 1015
1	FSM-32-024-077-LOCO AXLE SPRING
2	FSM-32-024-078-LOCO AXLE SPRING SIDE DETAIL
1	FSM-32-024-079-LOCO AXLE SPRING CENTRE DETAIL



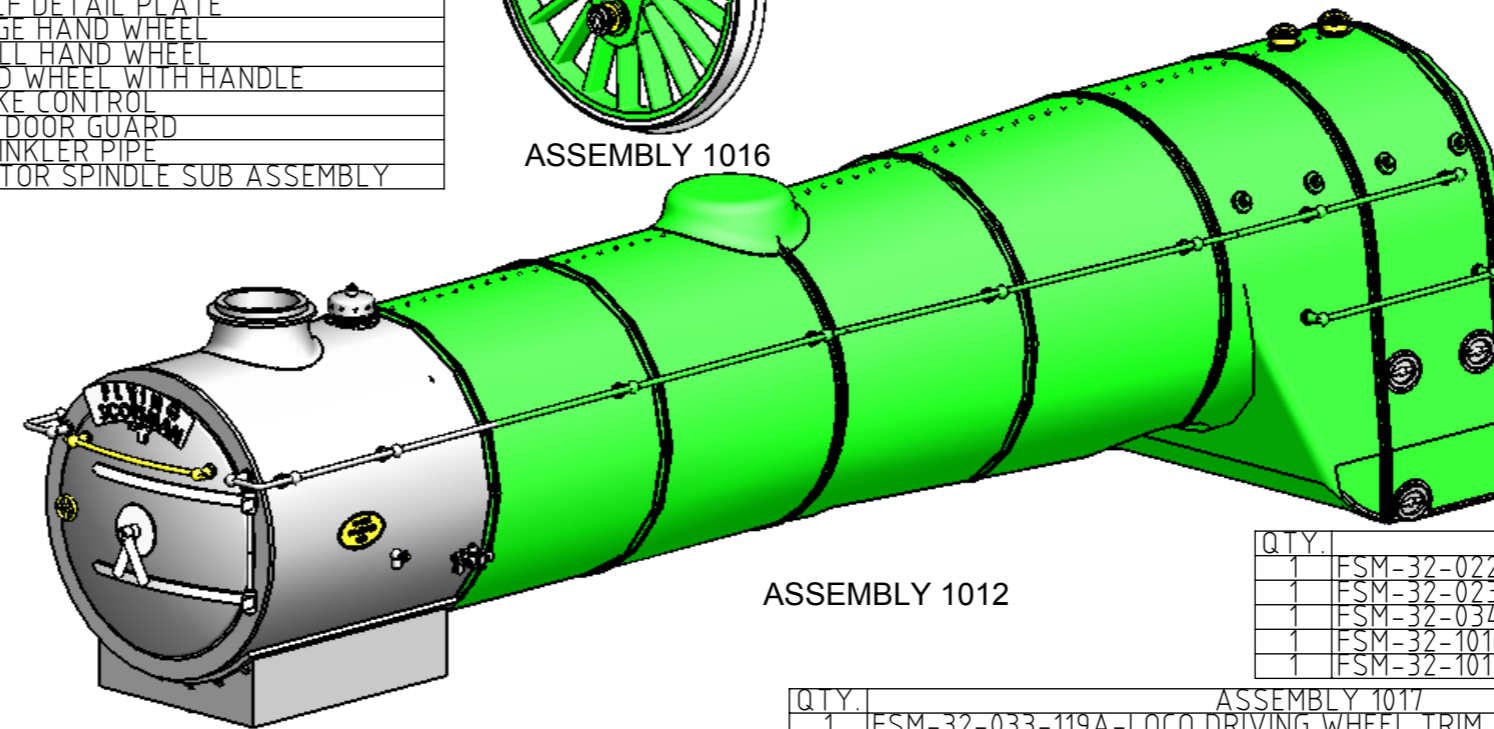
ASSEMBLY 1011

QTY.	ASSEMBLY 1011
1	FSM-32-016-052-LOCO BOILER BACKHEAD
1	FSM-32-021-066-LOCO REGULATOR CONTROL HOUSING
1	FSM-32-021-067A-LOCO LH-VALVE FITTING
1	FSM-32-021-067B-LOCO RH-VALVE FITTING
2	FSM-32-029-096-LOCO SIGHT GLASS
2	FSM-32-029-097-LOCO VALVE FITTING
1	FSM-32-030-104-LOCO SHELF
1	FSM-32-030-105-LOCO SHELVE DETAIL PLATE
3	FSM-32-030-107-LOCO LARGE HAND WHEEL
2	FSM-32-030-108-LOCO SMALL HAND WHEEL
2	FSM-32-030-109-LOCO HAND WHEEL WITH HANDLE
1	FSM-32-041-160-LOCO BRAKE CONTROL
1	FSM-32-079-321-LOCO FIRE DOOR GUARD
1	FSM-32-079-322-LOCO SPRINKLER PIPE
1	FSM-32-1073-LOCO REGULATOR SPINDLE SUB ASSEMBLY



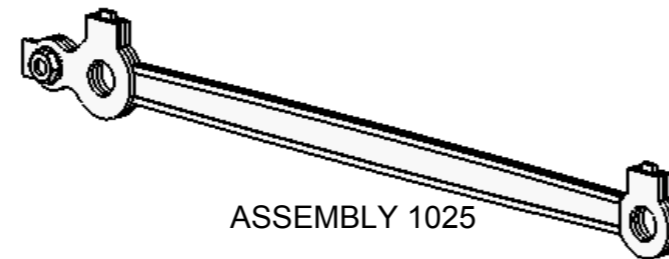
ASSEMBLY 1016

QTY.	PART NUMBER
1	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM
1	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM
1	FSM-32-034-120-LOCO DRIVING WHEEL
1	FSM-32-034-122-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-034-123-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-034-125-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-047-195-LOCO LEAD COUPLING ROD RETAINER
1	FSM-32-048-199-LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-060-237-LOCO DRIVING WHEEL SMALL BALANCE WEIGHT



ASSEMBLY 1012

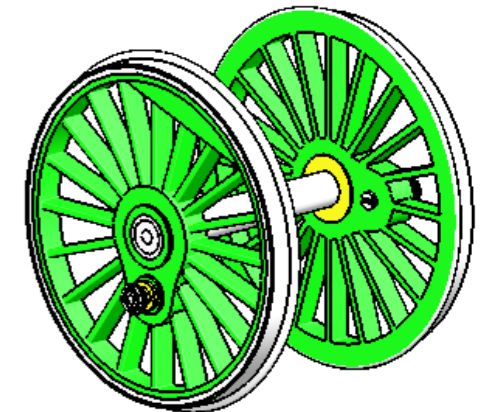
QTY.	ASSEMBLY 1012
1	FSM-32-017-053-LOCO BOILER
1	FSM-32-018-055-LOCO BOILER SADDLE
2	FSM-32-018-057-LOCO M2 NUT
1	FSM-32-029-099-LOCO STEAM COCK
1	FSM-32-029-103-LOCO EJECTOR PIPE FITTING
1	FSM-32-099-402-LOCO SNIFTING VALVE SEATING PLATE
1	FSM-32-100-403-LOCO CHIMNEY
1	FSM-32-100-404-LOCO STEAM DOME
1	FSM-32-101-405-LOCO SNIFTING VALVE
2	FSM-32-101-406-LOCO SAFETY VALVE
1	FSM-32-102-409-LOCO ATOMISER
1	FSM-32-103-415-LOCO ATOMISER
3	FSM-32-104-421A-LOCO BOILER LINING TRIM-1
1	FSM-32-104-421B-LOCO BOILER LINING TRIM-2
1	FSM-32-104-421C-LOCO BOILER LINING TRIM-3
1	FSM-32-104-421D-LOCO BOILER LINING TRIM-4
1	FSM-32-104-421E-LOCO BOILER LINING TRIM-4
1	FSM-32-1065-LOCO SMOKE DOOR SUB ASSEMBLY
4	FSM-32-1069-LOCO LH-WASHOUT PLUG SUB ASSEMBLY
3	FSM-32-1070-LOCO RH-WASHOUT PLUG SUB ASSEMBLY
2	FSM-32-114-460A-LOCO FIREBOX TRIM-1
4	FSM-32-114-460B-LOCO FIREBOX WASHOUT HOLE TRIM-1
16	FSM-32-115-465-LOCO BOILER HAND RAIL KNOB
2	FSM-32-115-465-LOCO BOILER HAND RAIL KNOB
4	FSM-32-115-465-LOCO BOILER HAND RAIL KNOB
2	FSM-32-115-466A-LOCO BOILER TOP HAND RAIL
2	FSM-32-115-466B-LOCO BOILER LOWER HAND RAIL
1	FSM-32-119-477A-LOCO EJECTOR PIPE
5	FSM-32-119-478-LOCO SPLIT PIN
2	FSM-32-125-498-LOCO BUILDERS PLATE



ASSEMBLY 1025

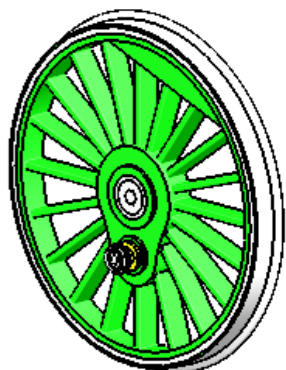
QTY.	ASSEMBLY 1017
1	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM
1	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM
1	FSM-32-035-127-LOCO DRIVING WHEEL
1	FSM-32-035-128-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-035-130-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-035-132-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-047-195-LOCO LEAD COUPLING ROD RETAINER
1	FSM-32-048-199-LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-060-237-LOCO DRIVING WHEEL SMALL BALANCE WEIGHT

QTY.	ASSEMBLY 1025
1	FSM-32-042-165-LOCO COUPLING ROD BIG END
1	FSM-32-042-166-LOCO RH-LEAD COUPLING ROD DETAIL PLATE
1	FSM-32-042-167-LOCO RH-LEAD COUPLING ROD BACKING PLATE
1	FSM-32-044-180-LOCO CENTRE BIG END
1	FSM-32-047-197-LOCO COUPLING ROD FIXING PIN



ASSEMBLY 1018

QTY.	ASSEMBLY 1018
1	FSM-32-022-068-LOCO WASHER
1	FSM-32-023-072-LOCO WASHER
1	FSM-32-034-121-LOCO DRIVING WHEEL AXLE
1	FSM-32-1016-LOCO DRIVING WHEEL SUB ASSEMBLY
1	FSM-32-1017-LOCO DRIVING WHEEL SUB ASSEMBLY

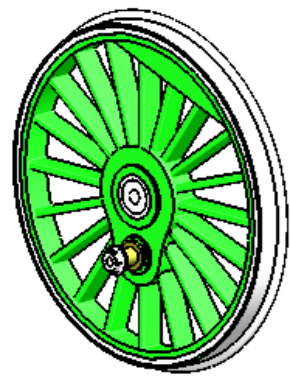


ASSEMBLY 1017

TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm ASSEMBLIES

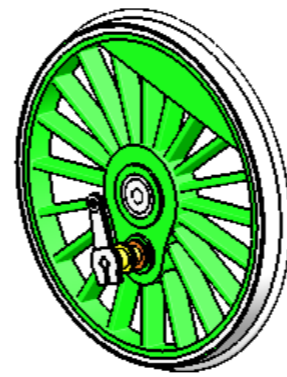
A3

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-041	SHEET
A ISSUED FOR CONSTRUCTION REV DESCRIPTION DATE	DATE SEPT 2011	SCALENTS@A3 or AS SHOWN	ISHT OF SHT	REV A



ASSEMBLY 1019

QTY.	ASSEMBLY 1019
1	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM
1	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM
1	FSM-32-039-147-LOCO DRIVING WHEEL
1	FSM-32-039-149-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-039-150-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-039-151-LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-039-152-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-047-196-LOCO REAR COUPLING ROD RETAINER
1	FSM-32-060-237-LOCO DRIVING WHEEL SMALL BALANCE WEIGHT



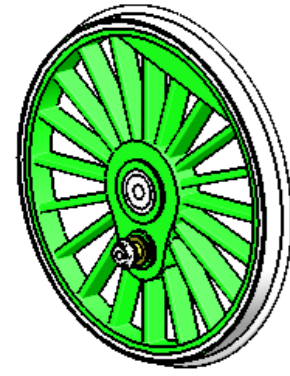
ASSEMBLY 1022

QTY.	ASSEMBLY 1022
1	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM
1	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM
1	FSM-32-045-182-LOCO DRIVING WHEEL
1	FSM-32-045-184-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-045-185-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-045-186-LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-045-187-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-048-200-LOCO LVALVE-GEAR BRASS BUSH
1	FSM-32-060-236-LOCO DRIVING WHEEL LARGE BALANCE WEIGHT
1	FSM-32-1061-LOCO RETURN CRANK SUB ASSEMBLY



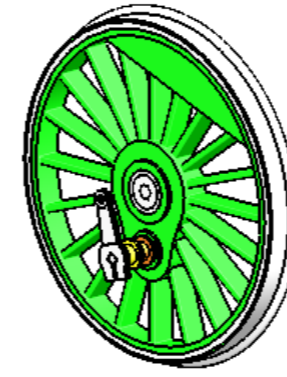
QTY.	ASSEMBLY 1031
2	FSM-32-044-179-LOCO BELL CRANK

ASSEMBLY 1031



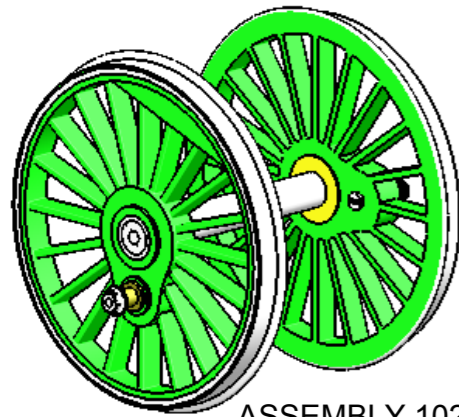
ASSEMBLY 1020

QTY.	ASSEMBLY 1020
1	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM
1	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM
1	FSM-32-040-154-LOCO DRIVING WHEEL
1	FSM-32-040-155-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-040-156-LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-040-157-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-040-159-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-047-196-LOCO REAR COUPLING ROD RETAINER
1	FSM-32-060-237-LOCO DRIVING WHEEL SMALL BALANCE WEIGHT



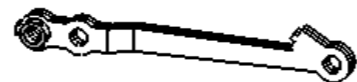
ASSEMBLY 1023

QTY.	ASSEMBLY 1023
1	FSM-32-046-189-LOCO DRIVING WHEEL
1	FSM-32-046-190-LOCO M1.2x14mm CHEES HEAD SCREW
1	FSM-32-046-191-LOCO LOCO DRIVING WHEEL CRANK BRASS BUSH
1	FSM-32-033-119A-LOCO DRIVING WHEEL TRIM
1	FSM-32-033-119B-LOCO DRIVING WHEEL HUB TRIM
1	FSM-32-046-194-LOCO M2.4 x 6 C-SINK ALLEN SCREW
1	FSM-32-048-200-LOCO LVALVE-GEAR BRASS BUSH
1	FSM-32-060-236-LOCO DRIVING WHEEL LARGE BALANCE WEIGHT
1	FSM-32-046-192-LOCO DRIVING WHEEL CRANK WASHER
1	FSM-32-1061-LOCO RETURN CRANK SUB ASSEMBLY



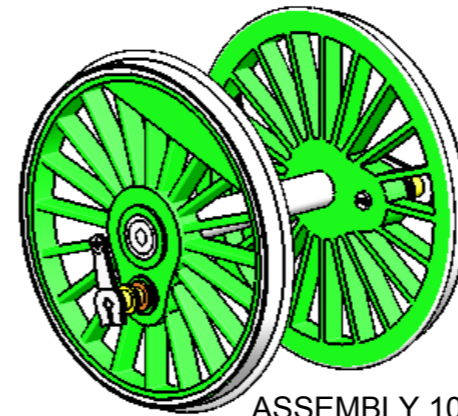
ASSEMBLY 1021

QTY.	ASSEMBLY 1021
1	FSM-32-039-148-LOCO DRIVING WHEEL AXLE
1	FSM-32-1019-LOCO DRIVING WHEEL SUB ASSEMBLY
1	FSM-32-1020-LOCO DRIVING WHEEL SUB ASSEMBLY
1	FSM-32-024-076A-LOCO WASHER
1	FSM-32-024-076-LOCO WASHER



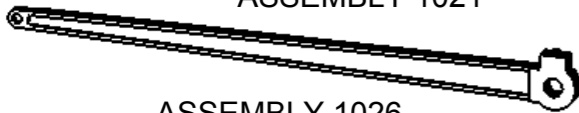
ASSEMBLY 1027

QTY.	ASSEMBLY 1027
2	FSM-32-071-271-LOCO LH-COMBINATION LINK
1	FSM-32-076-305-LOCO M1.2 NUT



ASSEMBLY 1024

QTY.	ASSEMBLY 1024
1	FSM-32-045-183-LOCO DRIVING WHEEL AXLE
1	FSM-32-1022-LOCO DRIVING WHEEL SUB ASSEMBLY
1	FSM-32-1023-LOCO DRIVING WHEEL SUB ASSEMBLY



ASSEMBLY 1026

QTY.	ASSEMBLY 1026
1	FSM-32-071-267-LOCO LH-CONNECTING ROD BIG END
1	FSM-32-071-268-LOCO LH-CONNECTING ROD DETAIL PLATE
1	FSM-32-071-269-LOCO LH-CONNECTING ROD CENTRE PLATE
1	FSM-32-071-270-LOCO LH-CONNECTING ROD BACKING PLATE



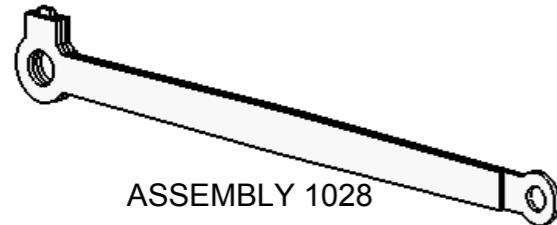
ASSEMBLY 1030

QTY.	ASSEMBLY 1030
1	FSM-32-072-275-LOCO LH-UNION LINK FACE PLATE
1	FSM-32-072-276-LOCO LH-UNION LINK BACKING PLATE
2	FSM-32-076-304-LOCO M1.2x3.5mm PAN HEAD SLOTTED SCREW
1	FSM-32-076-305-LOCO M1.2 NUT



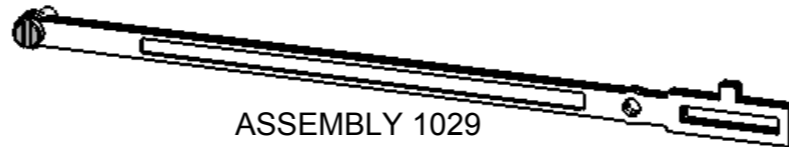
ASSEMBLY 1037

QTY.	ASSEMBLY 1037
1	FSM-32-072-277-LOCO LH-RETURN CRANK ROD FACE PLATE
1	FSM-32-072-278-LOCO LH-RETURN CRANK ROD BACKING PLATE
1	FSM-32-072-279-LOCO LH-RETURN CRANK ROD BIG END
1	FSM-32-076-304-LOCO M1.2x3.5mm PAN HEAD SLOTTED SCREW
1	FSM-32-076-305-LOCO M1.2 NUT



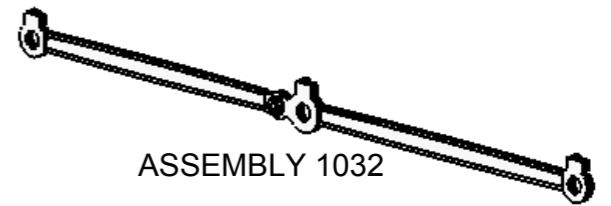
ASSEMBLY 1028

QTY.	ASSEMBLY 1028
1	FSM-32-043-170-LOCO COUPLING ROD BIG END
1	FSM-32-043-173-LOCO LH-REAR COUPLING ROD DETAIL PLATE
1	FSM-32-043-174-LOCO LH-REAR COUPLING ROD BACKING PLATE



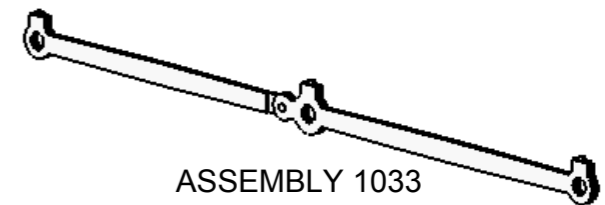
ASSEMBLY 1029

QTY.	ASSEMBLY 1029
1	FSM-32-072-273-LOCO LH-RADIUS ROD FACE PLATE
1	FSM-32-072-274-LOCO LH-RADIUS ROD BACKING PLATE
1	FSM-32-076-304-LOCO M1.2x3.5mm PAN HEAD SLOTTED SCREW



ASSEMBLY 1032

QTY.	ASSEMBLY 1032
1	FSM-32-1025-LOCO RH-LEAD COUPLING ROD SUB ASSEMBLY
1	FSM-32-1064-LOCO RH-REAR COUPLING ROD SUB ASSEMBLY



ASSEMBLY 1033

QTY.	ASSEMBLY 1033
1	FSM-32-1028-LOCO LH-REAR COUPLING ROD SUB ASSEMBLY
1	FSM-32-1063-LOCO LH-LEAD COUPLING ROD SUB ASSEMBLY

TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm ASSEMBLIES

JDW DRAUGHTING SERVICES
 12 BRIGHTWELL STREET
 PAKAKURA NEW ZEALAND
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 E-MAIL:dewaal@xtra.co.nz

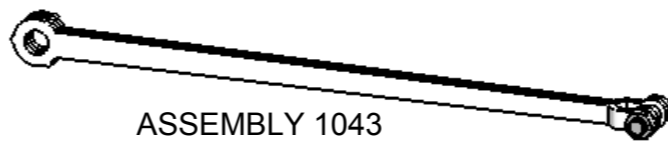
DRAWN BY
J.A.M. DE WAAL
 DATE
SEPT 2011

PROJECT No: 01-04-10-09-00
 PROJECTION
 DRAWING NUMBER
FSM-32-042
 SCALE NTS@A3 or AS SHOWN
 SHEET
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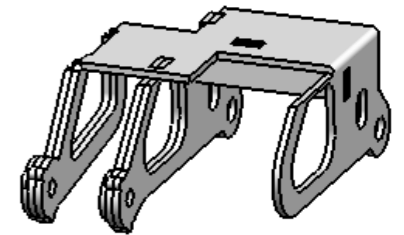
ASSEMBLY 1035

QTY.	ASSEMBLY 1035
2	FSM-32-062-242A-LOCO BOGIE WHEEL TRIM
2	FSM-32-062-242C-LOCO BOGIE-PONY WHEEL CENTRE TRIM
1	FSM-32-065-251-LOCO BOGIE WHEEL AXLE
1	FSM-32-065-252-LOCO BOGIE WHEEL
1	FSM-32-065-253-LOCO M2,4 x 6 C-SINK ALLEN SCREW
1	FSM-32-066-254-LOCO BOGIE WHEEL
1	FSM-32-066-255-LOCO M2,4 x 6 C-SINK ALLEN SCREW



ASSEMBLY 1043

QTY.	ASSEMBLY 1043
1	FSM-32-074-291-LOCO RH-RETURN CRANK ROD FACE PLATE
1	FSM-32-074-292-LOCO RH-RETURN CRANK ROD BACKING PLATE
1	FSM-32-074-290-LOCO RH-RETURN CRANK ROD BIG END
1	FSM-32-076-304-LOCO M1,2x3,5mm PAN HEAD SLOTTED SCREW
1	FSM-32-076-305-LOCO M1,2 NUT

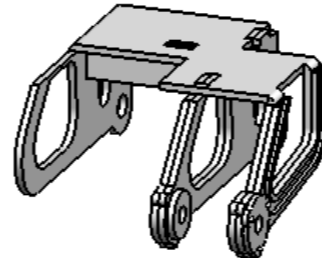


ASSEMBLY 1044



ASSEMBLY 1036

QTY.	ASSEMBLY 1036
2	FSM-32-062-242A-LOCO BOGIE WHEEL TRIM
2	FSM-32-062-242C-LOCO BOGIE-PONY WHEEL CENTRE TRIM
1	FSM-32-067-256-LOCO BOGIE WHEEL AXLE
1	FSM-32-067-257-LOCO BOGIE WHEEL
1	FSM-32-067-258-LOCO M2,4 x 6 C-SINK ALLEN SCREW
1	FSM-32-068-259-LOCO BOGIE WHEEL
1	FSM-32-068-260-LOCO M2,4 x 6 C-SINK ALLEN SCREW



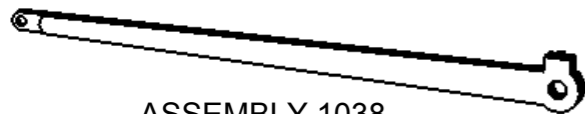
ASSEMBLY 1045

QTY.	ASSEMBLY 1044
1	FSM-32-044-181-LOCO MOTION BRACKET COVER PLATE
1	FSM-32-075-294-LOCO RH-MOTION BRACKET
2	FSM-32-075-295-LOCO MOTION MOUNTING PLATE
1	FSM-32-075-296-LOCO WASHER
2	FSM-32-075-297-LOCO SUPPORT PLATE
1	FSM-32-075-298-LOCO RH-MOTION BRACKET MOUNTING PLATE



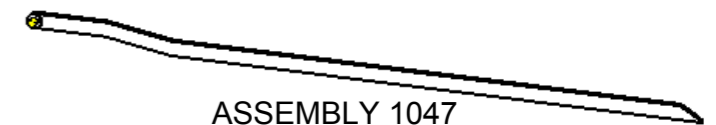
ASSEMBLY 1046

QTY.	ASSEMBLY 1046
2	FSM-32-075-293-LOCO VALVE ROCKER PLATE



ASSEMBLY 1038

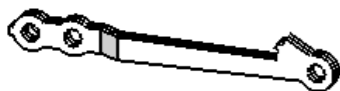
QTY.	ASSEMBLY 1045
1	FSM-32-075-299-LOCO LH-MOTION BRACKET
2	FSM-32-075-295-LOCO MOTION MOUNTING PLATE
1	FSM-32-075-300-LOCO LH-MOTION BRACKET MOUNTING PLATE
1	FSM-32-075-296-LOCO WASHER
2	FSM-32-075-297-LOCO SUPPORT PLATE
1	FSM-32-044-181-LOCO MOTION BRACKET COVER PLATE



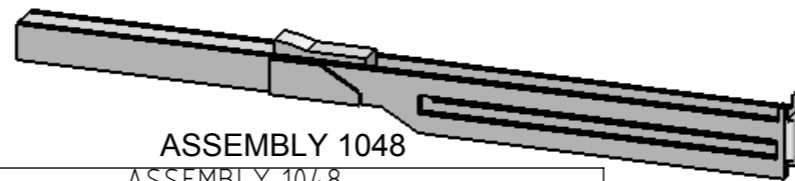
ASSEMBLY 1047

QTY.	ASSEMBLY 1038
1	FSM-32-073-280-LOCO RH-CONNECTING ROD BIG END
1	FSM-32-073-281-LOCO RH-CONNECTING ROD DETAIL PLATE
1	FSM-32-073-282-LOCO RH-CONNECTING ROD CENTRE PLATE
1	FSM-32-073-283-LOCO RH-CONNECTING ROD BACKING PLATE

QTY.	ASSEMBLY 1047
1	FSM-32-081-327-LOCO REVERSING ROD FACE PLATE
1	FSM-32-081-328-LOCO REVERSING ROD BACKING PLATE



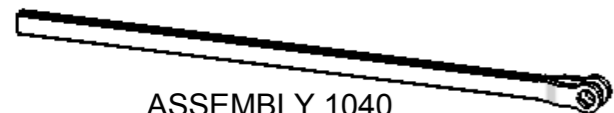
ASSEMBLY 1039



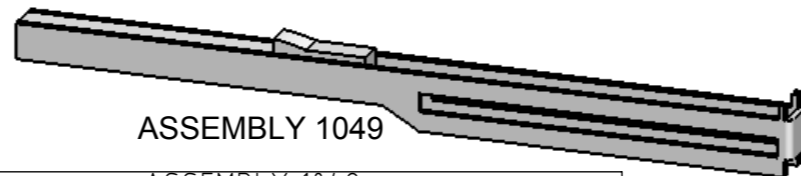
ASSEMBLY 1048

QTY.	ASSEMBLY 1048
1	FSM-32-077-306-LOCO SLIDE BAR FILLET
1	FSM-32-081-330-LOCO SLIDE BAR
1	FSM-32-081-331A-LOCO LH SLIDE BAR DETAIL PLATE

QTY.	ASSEMBLY 1039
2	FSM-32-073-284-LOCO RH-COMBINATION LINK
1	FSM-32-076-305-LOCO M1,2 NUT



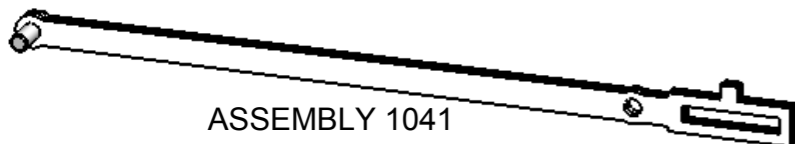
ASSEMBLY 1040



ASSEMBLY 1049

QTY.	ASSEMBLY 1049
1	FSM-32-078-313-LOCO SLIDE BAR FILLET
1	FSM-32-081-330-LOCO SLIDE BAR
1	FSM-32-081-331B-LOCO RH SLIDE BAR DETAIL PLATE

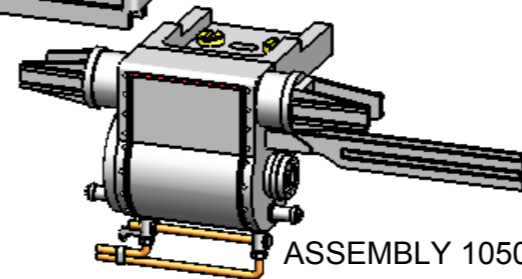
QTY.	ASSEMBLY 1040
2	FSM-32-073-285-LOCO RH-VALVE SPINDLE



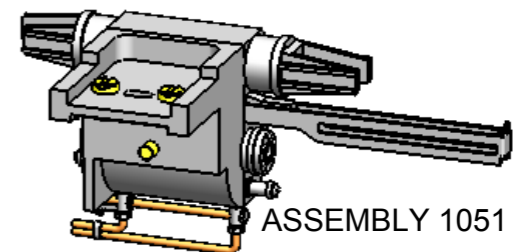
ASSEMBLY 1041

QTY.	ASSEMBLY 1041
1	FSM-32-074-286-LOCO RH-RADIUS ROD FACE PLATE
1	FSM-32-074-287-LOCO RH-RADIUS ROD BACKING PLATE
1	FSM-32-076-304-LOCO M1,2x3,5mm PAN HEAD SLOTTED SCREW

QTY.	ASSEMBLY 1050
1	FSM-32-070-264-LOCO LH-CYLINDER BLOCK PART-A
1	FSM-32-070-265-LOCO M2x4mm C'SINK SCREW
2	FSM-32-070-266-LOCO M2x4,5mm PAN HEAD SLOTTED SCREW
1	FSM-32-082-333-LOCO REAR CYLINDER COVER
1	FSM-32-082-334-LOCO VALVE SPINDLE GUIDE
1	FSM-32-082-335-LOCO FRONT VALVE SPINDLE GUIDE
1	FSM-32-082-336-LOCO FRONT CYLINDER COVER
1	FSM-32-084-341-LOCO LH-OUTER CYLINDER BLOCK PART-B
1	FSM-32-084-342-LOCO FRONT ANTI-VACUUM VALVE
1	FSM-32-084-343-LOCO REAR ANTI-VACUUM VALVE
1	FSM-32-102-413-LOCO DRAIN COCK
1	FSM-32-1048-LOCO LH-SLIDE BAR SUB ASSEMBLY
2	FSM-32-114-461A-LOCO CYLINDER TRIM



ASSEMBLY 1050



ASSEMBLY 1051

QTY.	ASSEMBLY 1051
1	FSM-32-069-261-LOCO RH-CYLINDER BLOCK PART-A
1	FSM-32-069-262-LOCO M2x4mm C'SINK SCREW
2	FSM-32-069-263-LOCO M2x4,5mm PAN HEAD SLOTTED SCREW
1	FSM-32-083-337-LOCO REAR CYLINDER COVER
1	FSM-32-083-338-LOCO VALVE SPINDLE GUIDE
1	FSM-32-083-339-LOCO FRONT VALVE SPINDLE GUIDE
1	FSM-32-083-340-LOCO FRONT CYLINDER COVER
1	FSM-32-085-344-LOCO RH-OUTER CYLINDER BLOCK PART-B
1	FSM-32-085-345-LOCO FRONT ANTI-VACUUM VALVE
1	FSM-32-085-346-LOCO REAR ANTI-VACUUM VALVE
1	FSM-32-103-419-LOCO DRAIN COCK
1	FSM-32-1049-LOCO RH-SLIDE BAR SUB ASSEMBLY
1	FSM-32-114-461A-LOCO CYLINDER TRIM

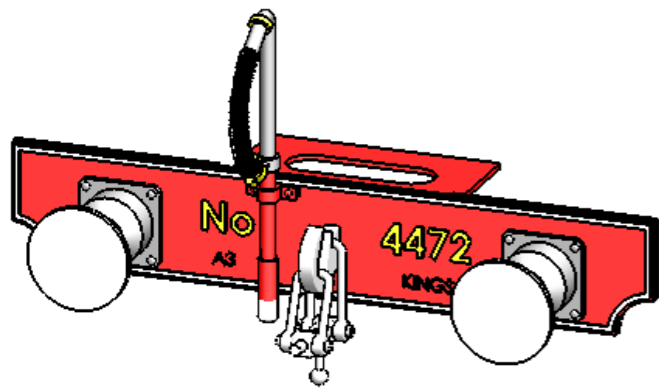


ASSEMBLY 1042

QTY.	ASSEMBLY 1042
1	FSM-32-074-288-LOCO RH-UNION LINK FACE PLATE
1	FSM-32-074-289-LOCO RH-UNION LINK BACKING PLATE
2	FSM-32-076-304-LOCO M1,2x3,5mm PAN HEAD SLOTTED SCREW
1	FSM-32-076-305-LOCO M1,2 NUT

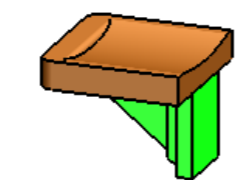
TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK
GAUGE 32mm ASSEMBLIES

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAPURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-043	SHEET A
A ISSUED FOR CONSTRUCTION	DATE	DATE SEPT 2011	SCALENTS@A3 or AS SHOWN	ISHT OF SHT	REV A



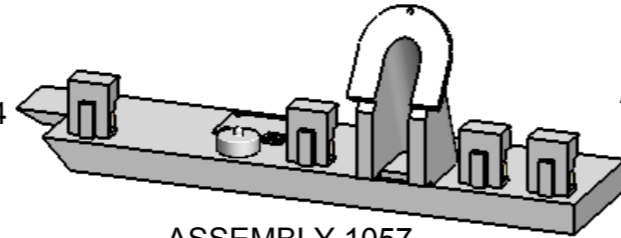
ASSEMBLY 1053

QTY.	ASSEMBLY 1053
1	FSM-32-109-433-LOCO LH-BUFFER SHANK
1	FSM-32-109-434-LOCO LH-BUFFER INNER
1	FSM-32-109-435-LOCO LH-BUFFER SMALL SPRING
1	FSM-32-109-436-LOCO LH-BUFFER HEAD
1	FSM-32-099-394-LOCO BUFFER BEAM BACKING PLATE
1	FSM-32-099-395-LOCO BUFFER BEAM
2	FSM-32-099-396-LOCO BUFFER BACKING PLATE
2	FSM-32-081-329-LOCO BUFFER BRACKET
1	FSM-32-109-437-LOCO LH-BUFFER LARGE SPRING
1	FSM-32-109-438-LOCO LH-BUFFER M1 NUT
1	FSM-32-110-439-LOCO RH-BUFFER SHANK
1	FSM-32-110-440-LOCO RH-BUFFER INNER
1	FSM-32-110-441-LOCO RH-BUFFER SMALL SPRING
1	FSM-32-110-443-LOCO RH-BUFFER LARGE SPRING
1	FSM-32-110-442-LOCO RH-BUFFER HEAD
1	FSM-32-110-444-LOCO RH-BUFFER M1 NUT
1	FSM-32-114-460C-LOCO BUFFER BEAM TRIM
1	FSM-32-086-352A-LOCO BUFFER BEAM NUMBERING
1	FSM-32-086-353A-LOCO BUFFER BEAM LETTERING
1	FSM-32-086-352B-LOCO BUFFER BEAM NUMBERING
1	FSM-32-086-353B-LOCO BUFFER BEAM LETTERING
1	FSM-32-021-065-LOCO BRAKE HOSE
1	FSM-32-1076-LOCO SCREW COUPLING SUB ASSEMBLY



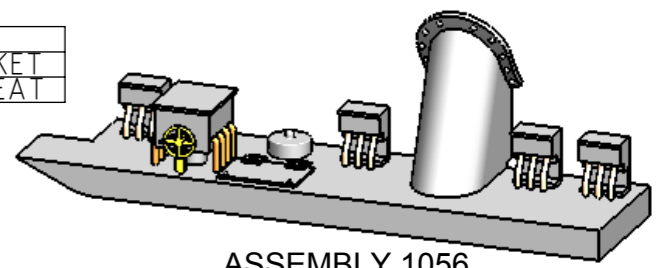
ASSEMBLY 1054

QTY.	ASSEMBLY 1054
1	FSM-32-115-462-LOCO SEAT BRACKET
1	FSM-32-115-463-LOCO DRIVERS SEAT



ASSEMBLY 1055

QTY.	ASSEMBLY 1055
1	FSM-32-115-462-LOCO SEAT BRACKET
1	FSM-32-115-464-LOCO FIRE MAN SEAT



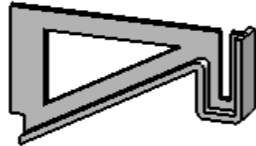
ASSEMBLY 1056

QTY.	ASSEMBLY 1056
1	FSM-32-1074-LOCO RH-MECHANICAL LUBRICATOR-1 SUB ASSEMBLY
1	FSM-32-116-467-LOCO RH-VALVE COVER
1	FSM-32-116-469-LOCO RH-SAND FILLER CAP
1	FSM-32-116-470-LOCO RH-STEAM PIPE
4	FSM-32-118-475-LOCO GRAVITY LUBRICATORS

QTY.	ASSEMBLY 1058
1	FSM-32-029-102-LOCO REVERSING HANDLE
1	FSM-32-041-161-LOCO SCREW REVERSER

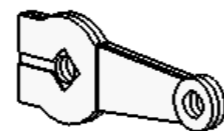
ASSEMBLY 1058

QTY.	ASSEMBLY 1057
1	FSM-32-117-471-LOCO LH-VALVE COVER
1	FSM-32-117-473-LOCO LH-SAND FILLER CAP
1	FSM-32-117-474-LOCO LH-STEAM PIPE
4	FSM-32-118-475-LOCO GRAVITY LUBRICATORS



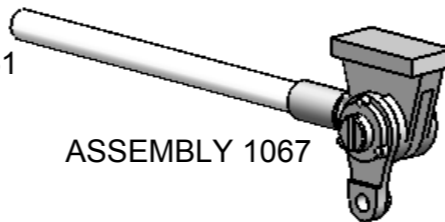
ASSEMBLY 1059

QTY.	ASSEMBLY 1059
1	FSM-32-091-360-LOCO REVERSING ROD SUPPORT BRACKET WRAPPER
1	FSM-32-091-361-LOCO REVERSING ROD SUPPORT BRACKET



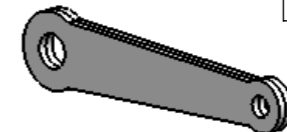
ASSEMBLY 1061

QTY.	ASSEMBLY 1061
1	FSM-32-044-176-LOCO RETURN CRANK DETAIL PLATE
1	FSM-32-044-177-LOCO RETURN CRANK BACKING PLATE



ASSEMBLY 1067

QTY.	ASSEMBLY 1067
1	FSM-32-076-302-LOCO M1.4x9mm PAN HEAD SLOTTED SCREW
1	FSM-32-076-303-LOCO M1.4 NUT
1	FSM-32-076-305-LOCO M1.2 NUT
1	FSM-32-077-308-LOCO CROSS-HEAD DROP LINK
1	FSM-32-077-309-LOCO CROSS-HEAD



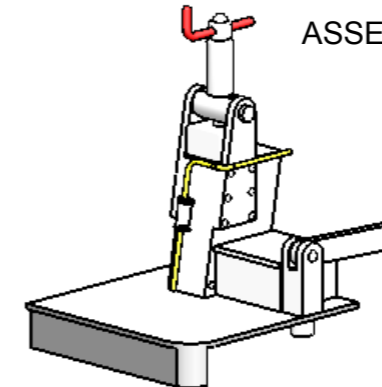
ASSEMBLY 1062

QTY.	ASSEMBLY 1060
2	FSM-32-071-272-LOCO LH-VALVE SPINDLE

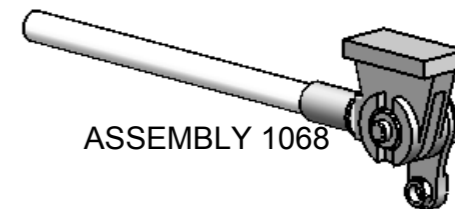
ASSEMBLY 1060

QTY.	ASSEMBLY 1062
2	FSM-32-044-178-LOCO LIFT LINK

QTY.	ASSEMBLY 1066
1	FSM-32-041-163-LOCO CAB LINKAGE COVER
1	FSM-32-041-164-LOCO CAB REVERSING LINKAGE
1	FSM-32-079-320-LOCO RH-CAB FLOOR COVER
1	FSM-32-1058-LOCO SCREW REVERSER SUB ASSEMBLY



ASSEMBLY 1066

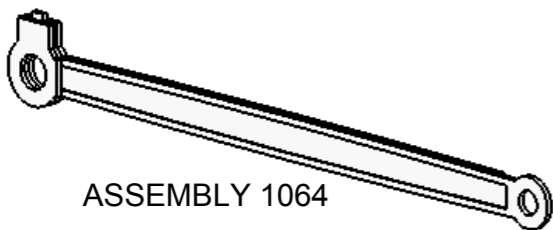


ASSEMBLY 1068

QTY.	ASSEMBLY 1068
1	FSM-32-076-302-LOCO M1.4x9mm PAN HEAD SLOTTED SCREW
1	FSM-32-076-303-LOCO M1.4 NUT
1	FSM-32-076-305-LOCO M1.2 NUT
1	FSM-32-078-315-LOCO CROSS-HEAD DROP LINK
1	FSM-32-078-316-LOCO CROSS-HEAD

QTY.	ASSEMBLY 1063
1	FSM-32-043-170-LOCO COUPLING ROD BIG END
1	FSM-32-043-171-LOCO LH-LEAD COUPLING ROD DETAIL PLATE
1	FSM-32-043-172-LOCO LH-LEAD COUPLING ROD BACKING PLATE
1	FSM-32-044-180-LOCO CENTRE BIG END
1	FSM-32-047-197-LOCO COUPLING ROD FIXING PIN

ASSEMBLY 1063



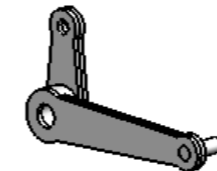
ASSEMBLY 1064

QTY.	ASSEMBLY 1064
1	FSM-32-042-168-LOCO RH-REAR COUPLING ROD DETAIL PLATE
1	FSM-32-042-169-LOCO RH-REAR COUPLING ROD BACKING PLATE
1	FSM-32-042-165-LOCO COUPLING ROD BIG END



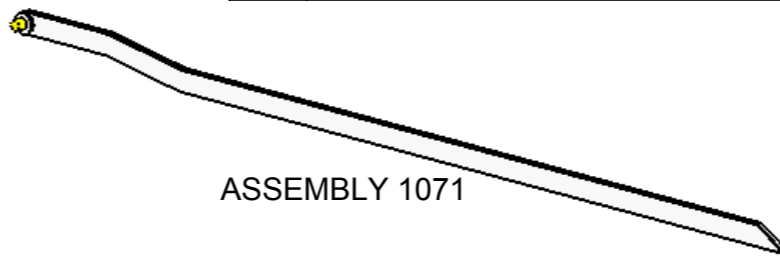
ASSEMBLY 1072

QTY.	ASSEMBLY 1072
1	FSM-32-044-178-LOCO LIFT LINK
1	FSM-32-044-178-LOCO LIFT LINK



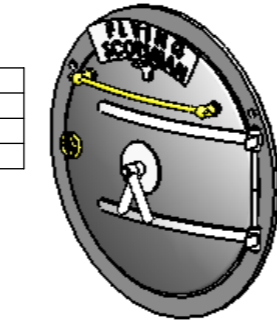
ASSEMBLY 1072A

QTY.	ASSEMBLY 1072A
1	FSM-32-044-178-LOCO LIFT LINK
1	FSM-32-044-178-LOCO LIFT LINK
2	FSM-32-044-179-LOCO BELL CRANK



ASSEMBLY 1071

QTY.	ASSEMBLY 1071
1	FSM-32-081-327-LOCO REVERSING ROD FACE PLATE
1	FSM-32-081-328-LOCO REVERSING ROD BACKING PLATE



ASSEMBLY 1065

QTY.	ASSEMBLY 1065
1	FSM-32-021-064-LOCO SMOKEBOX DOOR HANDLE
1	FSM-32-029-101-LOCO GNR STANDARD LAMP BRACKET
1	FSM-32-099-401A-LOCO BOILER SMOKEBOX DOOR HANDRAIL
1	FSM-32-101-407-LOCO SMOKEBOX DOOR
2	FSM-32-101-408-LOCO SHORT HAND RAIL KNOBS
1	FSM-32-030-107-LOCO LARGE HAND WHEEL
1	FSM-32-125-499-LOCO HEAD BOARD

QTY.	ASSEMBLY 1069
1	FSM-32-099-397-LOCO WASHOUT PLUG SEATING COVER
1	FSM-32-102-414-LOCO WASHOUT PLUG



ASSEMBLY 1069

QTY.	ASSEMBLY 1070
1	FSM-32-099-397-LOCO WASHOUT PLUG SEATING COVER
1	FSM-32-103-420-LOCO WASHOUT PLUG

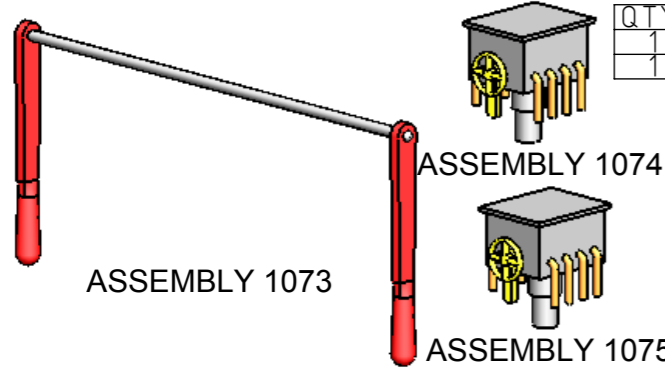


ASSEMBLY 1070

QTY.	ASSEMBLY 1070
1	FSM-32-099-397-LOCO WASHOUT PLUG SEATING COVER
1	FSM-32-103-420-LOCO WASHOUT PLUG

TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm ASSEMBLIES

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz	DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-044	SHEET A
ISSUED FOR CONSTRUCTION	DATE SEPT 2011	SCALENTS@A3 or AS SHOWN	ISHT OF SHT	REV A

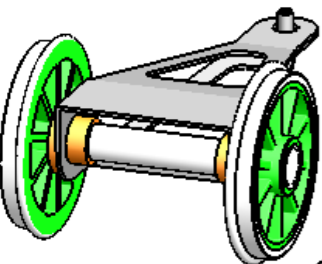


QTY.		ASSEMBLY 1074
1	FSM-32-102-410-LOCO MECHANICAL LUBRICATOR HAND WHEEL	
1	FSM-32-116-468-LOCO RH-MECHANICAL LUBRICATOR	

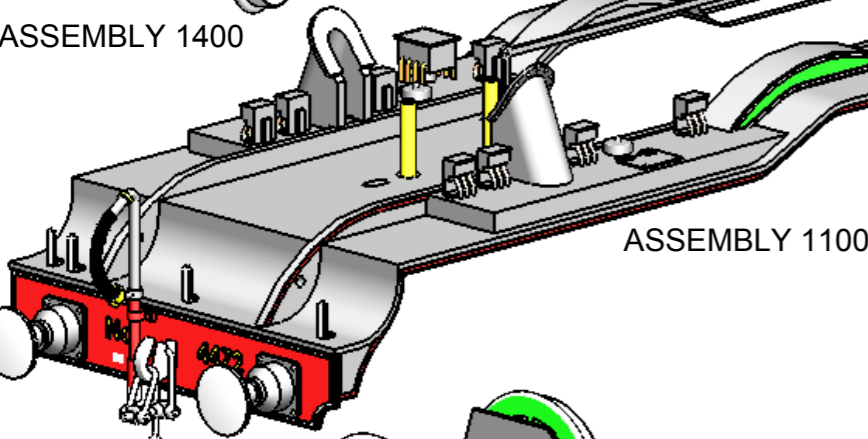
QTY.		ASSEMBLY 1075
1	FSM-32-103-416-LOCO MECHANICAL LUBRICATOR HAND WHEEL	
1	FSM-32-117-472-LOCO LH-MECHANICAL LUBRICATOR	

QTY.		ASSEMBLY 1073
1	FSM-32-030-111D-LOCO REGULATOR HANDLE SPINDLE	
1	FSM-32-102-412-LOCO REGULATOR LEVER	
1	FSM-32-103-418-LOCO REGULATOR LEVER	

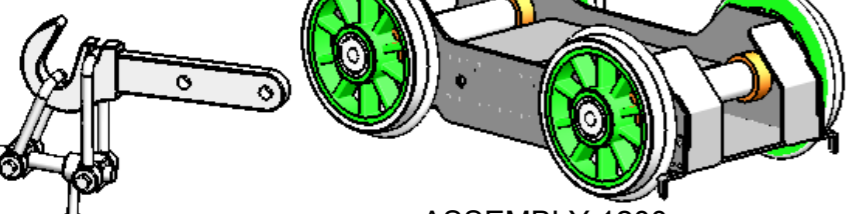
QTY.		ASSEMBLY 1400
1	FSM-32-060-233-LOCO PONY BODY	
1	FSM-32-060-234-LOCO PONY BODY SUPPORT	
2	FSM-32-060-235-LOCO PONY WHEEL BUSH	
1	FSM-32-064-246-LOCO M2x4mm PAN HEAD SLOTTED SCREW	
1	FSM-32-064-250-LOCO PONY PIVOT BUSH	
1	FSM-32-1052-LOCO PONY WHEEL SUB ASSEMBLY	



ASSEMBLY 1400



ASSEMBLY 1100



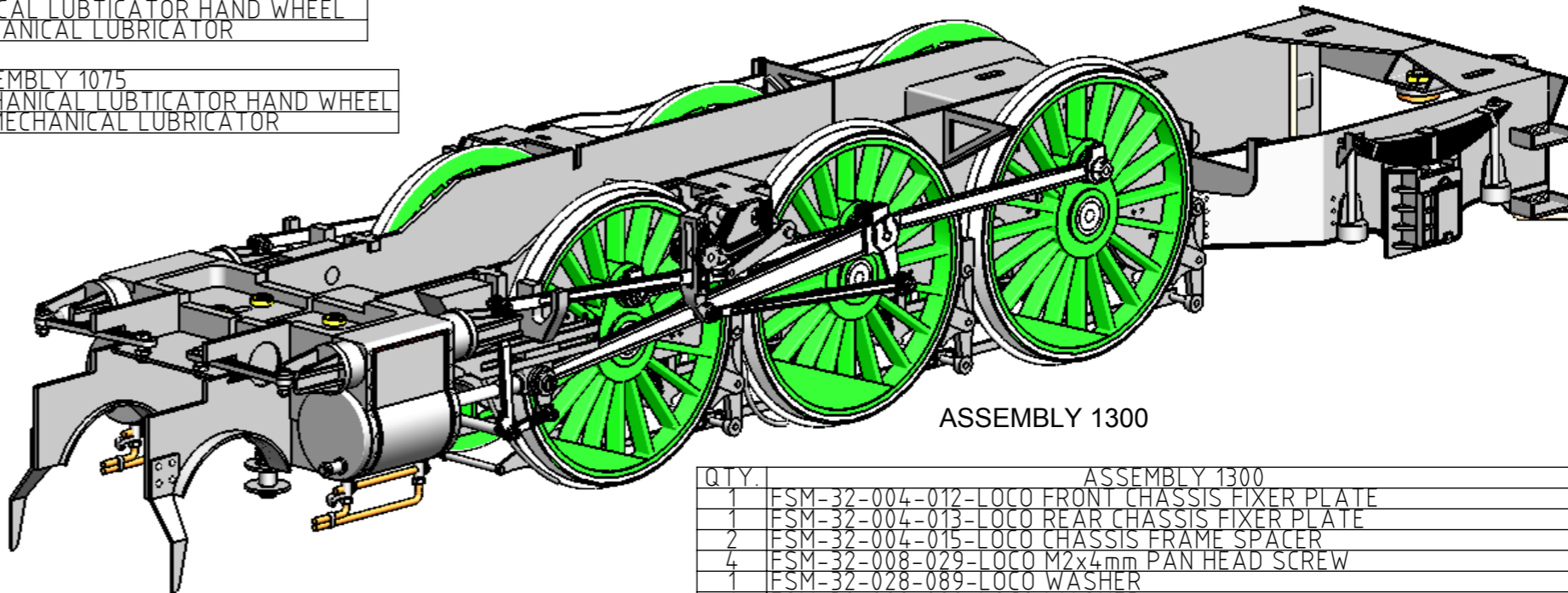
ASSEMBLY 1076

ASSEMBLY 1200

QTY.		ASSEMBLY 1200
1	FSM-32-058-229-LOCO FRONT BOGIE BODY	
1	FSM-32-058-230-LOCO FRONT BOGIE BODY FIXER PLATE	
1	FSM-32-059-231A-LOCO FRONT BOGIE LH-DETAIL PLATE	
1	FSM-32-059-231B-LOCO FRONT BOGIE RH-DETAIL PLATE	
1	FSM-32-059-232A-LOCO FRONT BOGIE LH-DUST GAURD	
1	FSM-32-059-232B-LOCO FRONT BOGIE RH-DUST GAURD	
4	FSM-32-064-248-LOCO FRONT BOGIE WHEEL BUSH	
1	FSM-32-1035-LOCO FRONT BOGIE WHEEL SUB ASSEMBLY	
1	FSM-32-1036-LOCO FRONT BOGIE WHEEL SUB ASSEMBLY	

QTY.		ASSEMBLY 1100
1	FSM-32-002-008-LOCO FOOTPLATE	
2	FSM-32-018-056-LOCO M2 x12.7 C-SINK SCREW	
4	FSM-32-027-085-LOCO SELF TAPPING SCREW	
1	FSM-32-028-092-LOCO FRONT SANDING LEVER	
1	FSM-32-028-093-LOCO 0.5mm WIRE	
1	FSM-32-028-094-LOCO REAR SANDING LEVER	
1	FSM-32-028-095-LOCO ASHPAN LEVER	
1	FSM-32-037-140-LOCO LH-CENTRE SPLASHER	
1	FSM-32-037-141-LOCO LH-REAR SPLASHER	
1	FSM-32-037-142-LOCO LH-FOOT STEP	
1	FSM-32-038-144-LOCO RH-CENTRE SPLASHER	
1	FSM-32-038-145-LOCO RH-REAR SPLASHER	
1	FSM-32-038-146-LOCO LH-FOOT STEP	
2	FSM-32-086-348A-LOCO CENTRE SPLASHER TRIM	
2	FSM-32-086-348B-LOCO REAR SPLASHER TRIM	
2	FSM-32-086-349-LOCO FRONT SPLASHER TRIM	
2	FSM-32-102-411-LOCO LAMP BRACKET	
2	FSM-32-103-417-LOCO LAMP BRACKET	
1	FSM-32-1053-LOCO LH-BUFFER SUB ASSEMBLY	
1	FSM-32-1056-LOCO RH VALVE COVER SUB ASSEMBLY	
1	FSM-32-1057-LOCO LH VALVE COVER SUB ASSEMBLY	
1	FSM-32-1075-LOCO RH-MECHANICAL LUBRICATOR-2 SUB ASSEMBLY	
2	FSM-32-114-461H-LOCO FOOTPLATE SIDE TRIM	
2	FSM-32-114-461J-LOCO FOOTPLATE FRAME TRIM	
1	FSM-32-116-469-LOCO RH-SAND FILLER CAP	
1	FSM-32-117-473-LOCO LH-SAND FILLER CAP	
2	FSM-32-125-497-LOCO NAME PLATE	

QTY.		ASSEMBLY 1076
1	FSM-32-125-500A-LOCO SCREW LINK COUPLING HOOK	
1	FSM-32-125-500B-LOCO SCREW LINK COUPLING TOP LINK	
1	FSM-32-125-500D-LOCO SCREW LINK COUPLING SCREW SPINDLE	
1	FSM-32-125-500C-LOCO SCREW LINK COUPLING BOTTOM LINK	

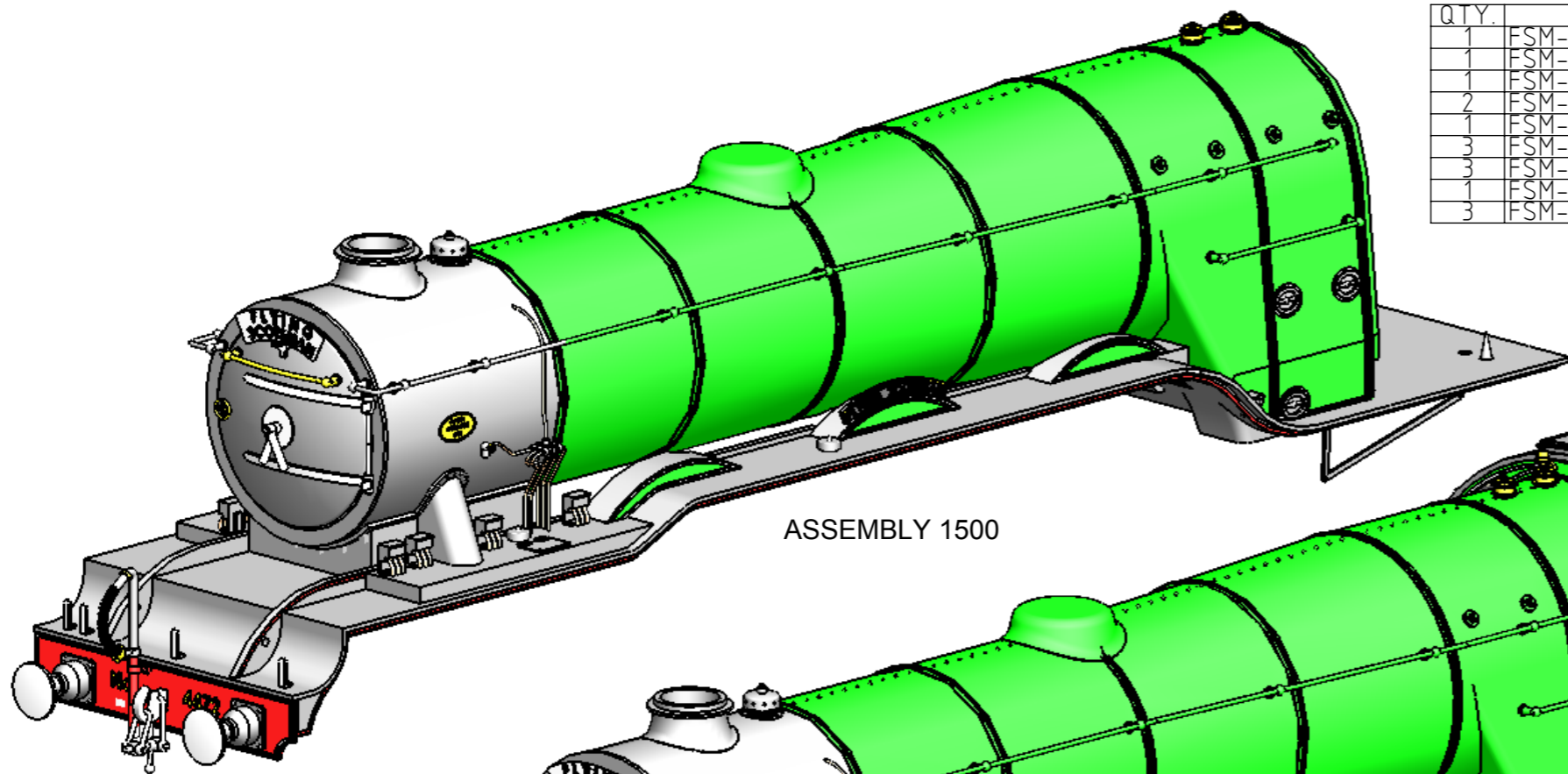


ASSEMBLY 1300

QTY.		ASSEMBLY 1300
1	FSM-32-004-012-LOCO FRONT CHASSIS FIXER PLATE	
1	FSM-32-004-013-LOCO REAR CHASSIS FIXER PLATE	
2	FSM-32-004-015-LOCO CHASSIS FRAME SPACER	
4	FSM-32-008-029-LOCO M2x4mm PAN HEAD SCREW	
1	FSM-32-028-089-LOCO WASHER	
1	FSM-32-028-090-LOCO WASHER	
1	FSM-32-028-091-LOCO WASHER	
2	FSM-32-047-198-LOCO RETURN CRANK FIXING PIN	
2	FSM-32-048-201-LOCO M1.2x7mm CHEES HEAD SCREW	
4	FSM-32-048-202-LOCO M1.2 NUT	
2	FSM-32-057-225-LOCO BRAKE PULL ROD	
1	FSM-32-057-226-LOCO 1.6mm WIRE	
3	FSM-32-057-227-LOCO 1.0mm WIRE	
1	FSM-32-057-227-LOCO 1.0mm WIRE	
1	FSM-32-057-228-LOCO BRAKE PULL ROD LEVER	
2	FSM-32-064-246-LOCO M2x4mm PAN HEAD SLOTTED SCREW	
1	FSM-32-064-247-LOCO BOGIE CENTRE SPRING	
1	FSM-32-064-249-LOCO BOGIE CENTRE FIXING SLEEVE	
1	FSM-32-076-301-LOCO 1.6mm BRASS WIRE	
1	FSM-32-077-310-LOCO VALVE ROD LINK	
1	FSM-32-077-311-LOCO VALVE ROCKER	
1	FSM-32-077-312-LOCO EXPANSION LINK	
1	FSM-32-078-317-LOCO VALVE ROD LINK	
1	FSM-32-078-318-LOCO VALVE ROCKER	
1	FSM-32-078-319-LOCO EXPANSION LINK	
1	FSM-32-1004-LOCO RH-CHASSIS FRAME SUB ASSEMBLY	
1	FSM-32-1005-LOCO LH-CHASSIS FRAME SUB ASSEMBLY	
1	FSM-32-1006-LOCO REAR FRAME SUB ASSEMBLY	
1	FSM-32-1018-LOCO DRIVING WHEEL AXLE SUB ASSEMBLY	
1	FSM-32-1021-LOCO DRIVING WHEEL AXLE SUB ASSEMBLY	
1	FSM-32-1024-LOCO DRIVING WHEEL AXLE SUB ASSEMBLY	
1	FSM-32-1026-LOCO LH-CONNECTING ROD SUB ASSEMBLY	
1	FSM-32-1027-LOCO LH-COMBINATION LINK SUB ASSEMBLY	
1	FSM-32-1029-LOCO LH-RADIUS ROD SUB ASSEMBLY	
1	FSM-32-1030-LOCO LH-UNION LINK SUB ASSEMBLY	
1	FSM-32-1032-LOCO RH-COUPLING RODS SUB ASSEMBLY	
1	FSM-32-1033-LOCO LH-COUPLING RODS SUB ASSEMBLY	
1	FSM-32-1037-LOCO LH-RETURN CRANK ROD SUB ASSEMBLY	
1	FSM-32-1038-LOCO RH-CONNECTING ROD SUB ASSEMBLY	
1	FSM-32-1039-LOCO RH-COMBINATION LINK SUB ASSEMBLY	
1	FSM-32-1040-LOCO RH-VALVE SPINDLE SUB ASSEMBLY	
1	FSM-32-1041-LOCO RH-RADIUS ROD SUB ASSEMBLY	
1	FSM-32-1042-LOCO RH-UNION LINK SUB ASSEMBLY	
1	FSM-32-1043-LOCO RH-RETURN CRANK ROD SUB ASSEMBLY	
1	FSM-32-1060-LOCO LH-VALVE SPINDLE SUB ASSEMBLY	
1	FSM-32-1067-LOCO LH-PISTON ROD SUB ASSEMBLY	
1	FSM-32-1068-LOCO RH-PISTON ROD SUB ASSEMBLY	
1	FSM-32-1071-LOCO RH-REVERSING ROD SUB ASSEMBLY	
1	FSM-32-1072-LOCO LH-REVERSING ROD LIFT LINK SUB ASSEMBLY	
1	FSM-32-1072-LOCO RH-REVERSING ROD LIFT LINK SUB ASSEMBLY	
2	FSM-32-076-304-LOCO M1.2x3.5mm PAN HEAD SLOTTED SCREW	
2	FSM-32-076-305-LOCO M1.2 NUT	

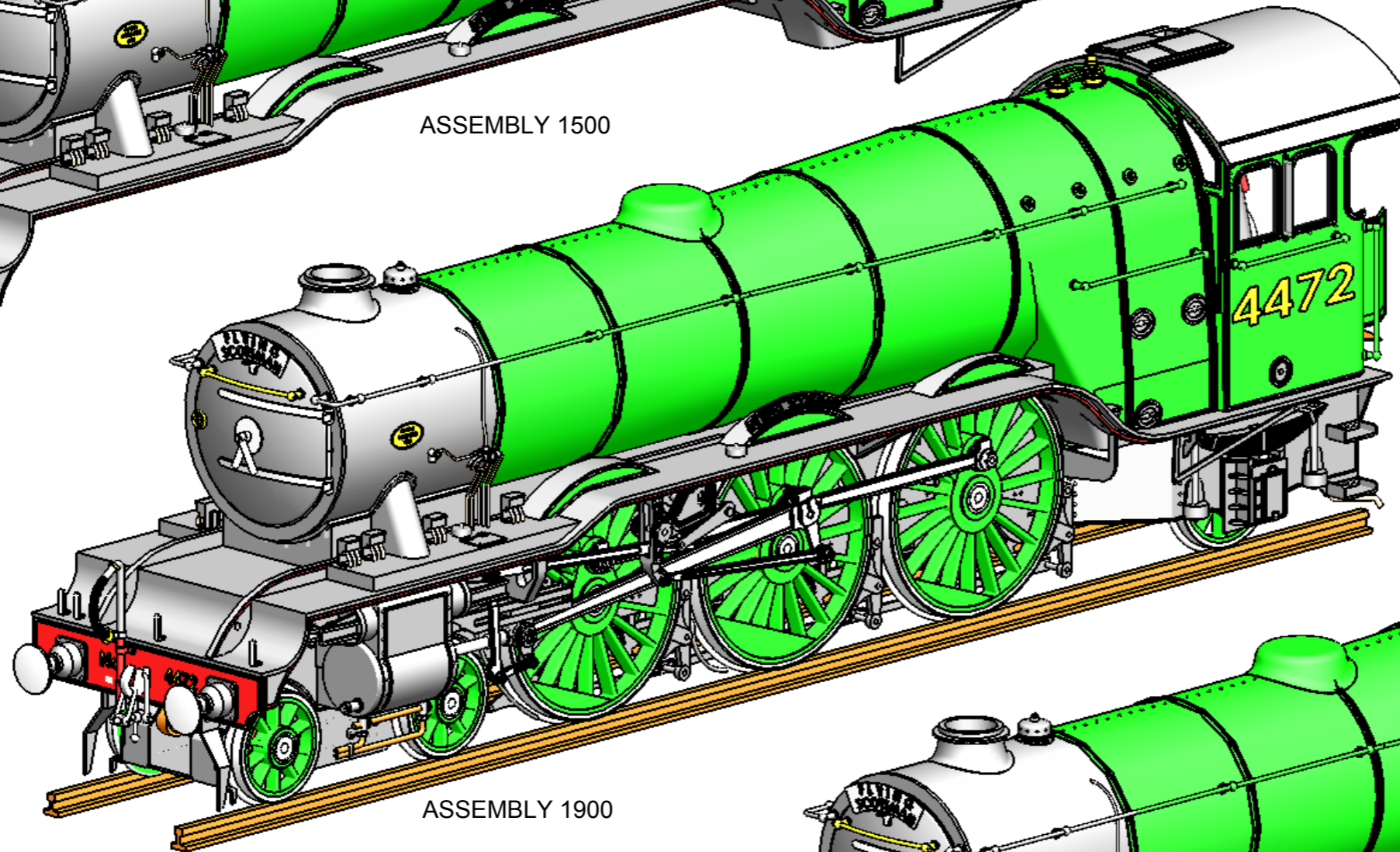
A3 TITLE STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm ASSEMBLIES

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-045	SHEET A
A ISSUED FOR CONSTRUCTION	REV DESCRIPTION	DATE SEPT 2011	SCALE NTS@A3 or AS SHOWN	ISHT OF SHT	REV A

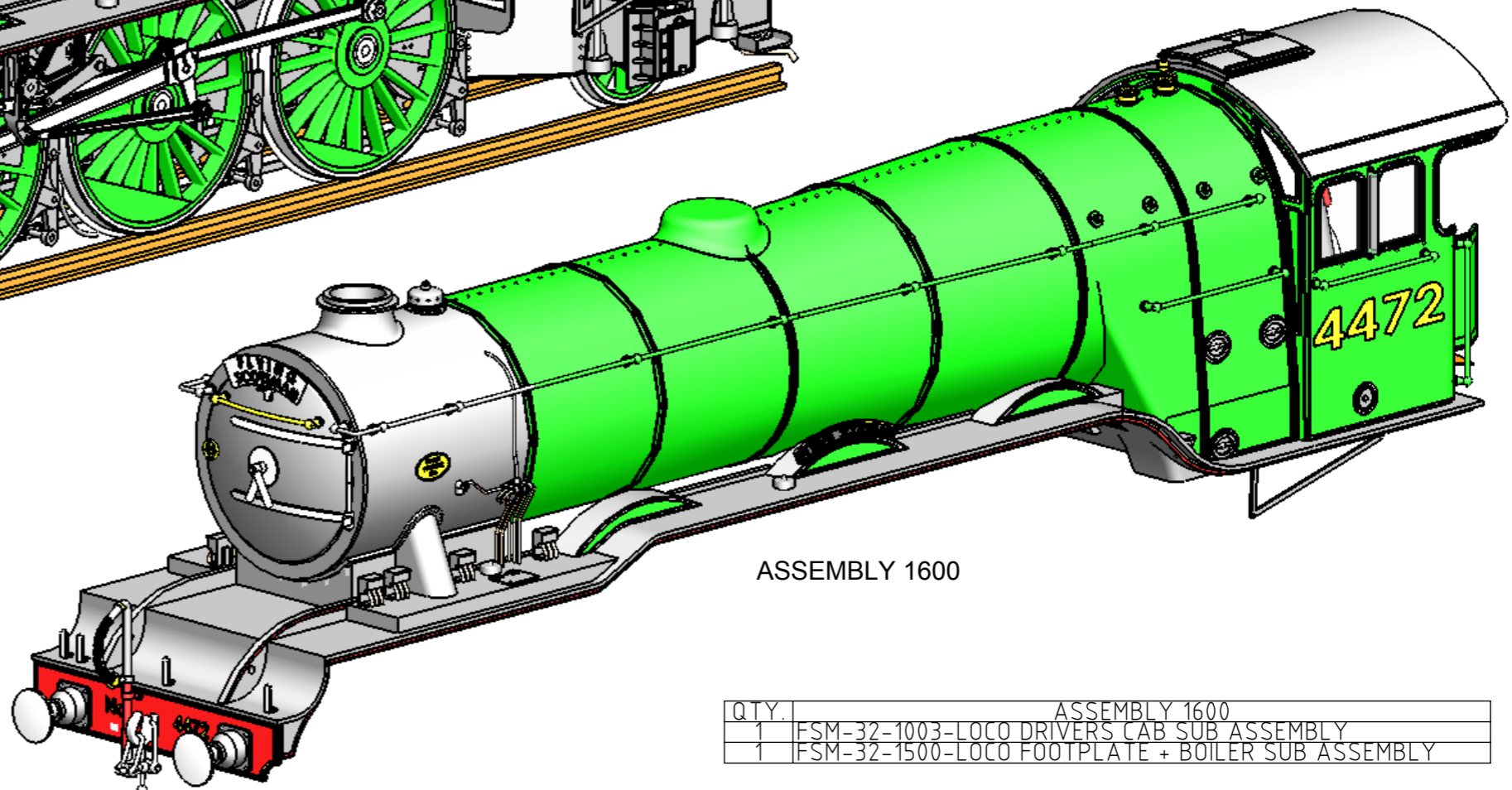


ASSEMBLY 1500	
1	FSM-32-1012-LOCO BOILER SUB ASSEMBLY
1	FSM-32-1100-LOCO FOOTPLATE SUB ASSEMBLY
1	FSM-32-119-4.76A-LOCO STEAM COCK PIPE
2	FSM-32-119-4.76B-LOCO ATOMISER PIPE-1
1	FSM-32-119-4.76C-LOCO ATOMISER PIPE-3
3	FSM-32-119-4.76D-LOCO ATOMISER PIPE-4
3	FSM-32-119-4.76E-LOCO ATOMISER PIPE-5
1	FSM-32-119-4.76F-LOCO STEAM PIPE-6
3	FSM-32-119-4.76G-LOCO ATOMISER PIPE-2

ASSEMBLY 1500



ASSEMBLY 1900



ASSEMBLY 1600

ASSEMBLY 1900	
1	FSM-32-1200-LOCO FRONT BOGIE SUB ASSEMBLY
1	FSM-32-1300-LOCO CHASSIS FRAME SUB ASSEMBLY
1	FSM-32-1400-LOCO PONY TRUCK SUB ASSEMBLY
1	FSM-32-1600-LOCO FOOTPLATE + BOILER + CAB SUB ASSEMBLY
1	FSM-32-999-LOCO RAIL

ASSEMBLY 1600	
1	FSM-32-1003-LOCO DRIVERS CAB SUB ASSEMBLY
1	FSM-32-1500-LOCO FOOTPLATE + BOILER SUB ASSEMBLY

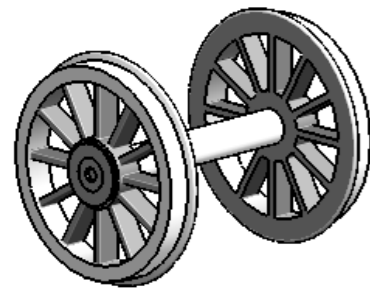
TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK GAUGE 32mm ASSEMBLIES

A3

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAKAKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz
ISSUED FOR CONSTRUCTION
DESCRIPTION
DATE

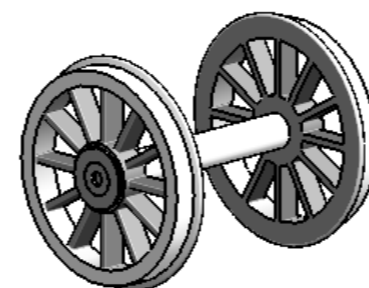
DRAWN BY J.A.M. DE WAAL
DATE SEPT 2011

PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-046	SHEET A
PROJECTION FIRST ANGLE	SCALENTS@A3 or AS SHOWN	ISHT OF SHT



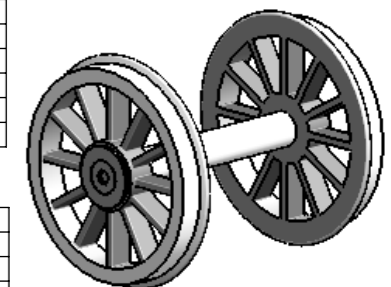
ASSEMBLY 2001

ASSEMBLY 2001	
QTY.	
1	FSM-32-019-058-TENDER FRONT REAR WHEEL AXLE
1	FSM-32-019-059-TENDER WHEEL
1	FSM-32-019-060-TENDER M2,4 x 6 C-SINK ALLEN SCREW
1	FSM-32-020-062-TENDER WHEEL
1	FSM-32-020-063-TENDER M2,4 x 6 C-SINK ALLEN SCREW



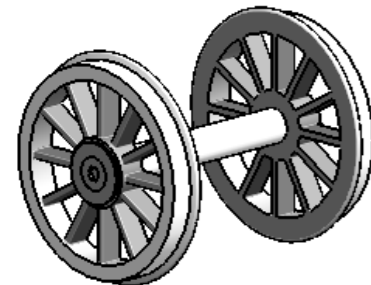
ASSEMBLY 2002

ASSEMBLY 2002	
QTY.	
1	FSM-32-025-080-TENDER FRONT REAR WHEEL AXLE
1	FSM-32-025-081-TENDER WHEEL
1	FSM-32-025-082-TENDER M2,4 x 6 C-SINK ALLEN SCREW
1	FSM-32-026-083-TENDER WHEEL
1	FSM-32-026-084-TENDER M2,4 x 6 C-SINK ALLEN SCREW



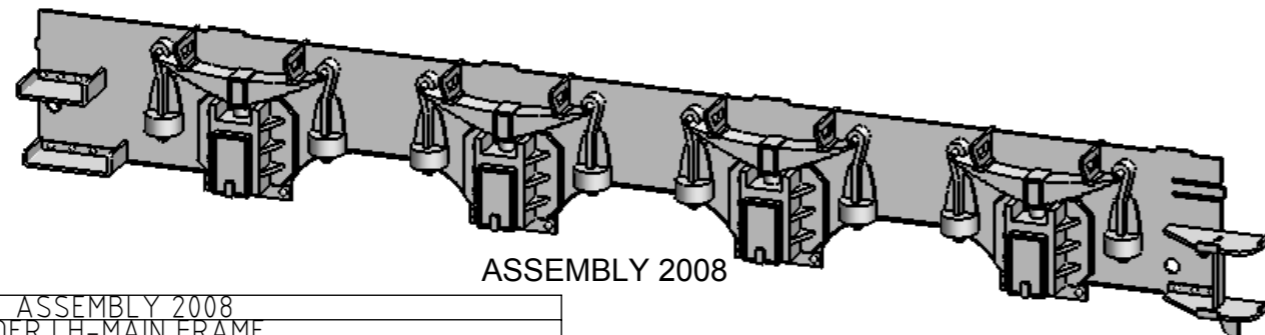
ASSEMBLY 2003

ASSEMBLY 2003	
QTY.	
1	FSM-32-031-114-TENDER CENTRE WHEEL AXLE
1	FSM-32-031-115-TENDER WHEEL
1	FSM-32-031-116-TENDER M2,4 x 6 C-SINK ALLEN SCREW
1	FSM-32-032-117-TENDER WHEEL
1	FSM-32-032-118-TENDER M2,4 x 6 C-SINK ALLEN SCREW

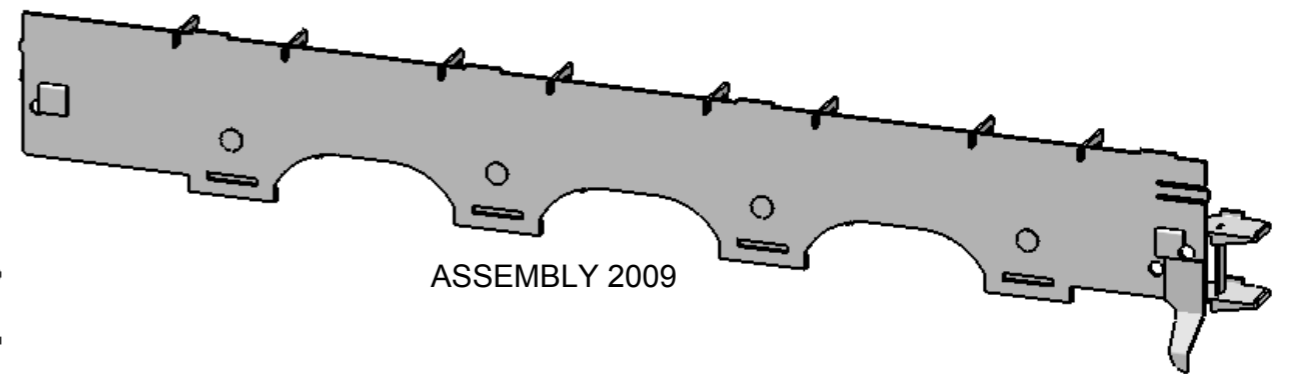


ASSEMBLY 2004

ASSEMBLY 2004	
QTY.	
1	FSM-32-049-203-TENDER CENTRE WHEEL AXLE
1	FSM-32-049-204-TENDER WHEEL
1	FSM-32-049-205-TENDER M2,4 x 6 C-SINK ALLEN SCREW
1	FSM-32-050-206-TENDER WHEEL
1	FSM-32-050-207-TENDER M2,4 x 6 C-SINK ALLEN SCREW



ASSEMBLY 2008

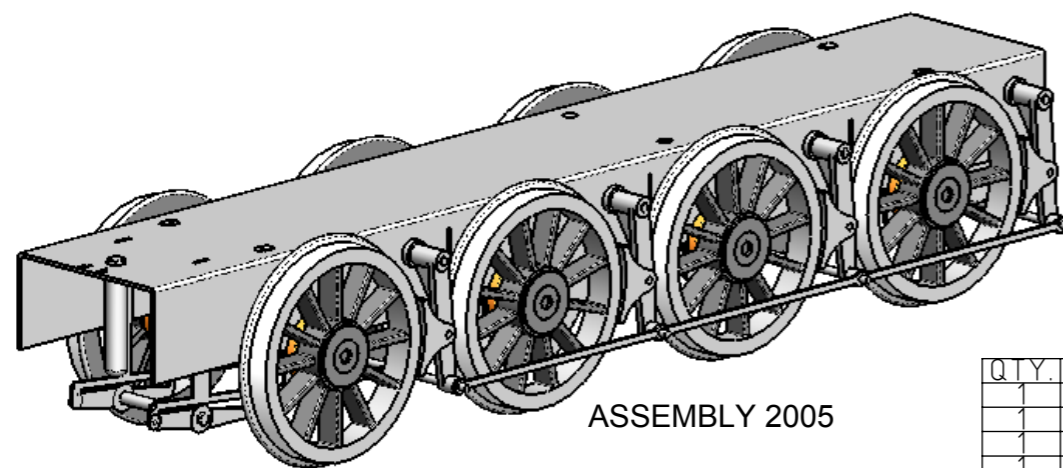


ASSEMBLY 2009

ASSEMBLY 2008	
QTY.	
1	FSM-32-092-364-TENDER LH-MAIN FRAME
8	FSM-32-092-362-TENDER MAIN FRAME FILLET
1	FSM-32-094-374A-TENDER LH-FRONT STEP TREAD
1	FSM-32-094-375A-TENDER LH-UPPER REAR STEP TREAD
1	FSM-32-094-376A-TENDER LH-LOWER REAR STEP TREAD
1	FSM-32-094-378-TENDER REAR STEP SUPPORT
1	FSM-32-094-379-TENDER LOWER FRONT STEP DETAIL
1	FSM-32-094-380-TENDER UPPER FRONT STEP DETAIL
2	FSM-32-094-381-TENDER REAR STEP TREAD DETAIL
4	FSM-32-094-382-TENDER AXLE BOX KEEPER
4	FSM-32-105-422-TENDER AXLE BOX
1	FSM-32-094-371A-TENDER RH GUARD IRON
2	FSM-32-114-461A-TENDER SIDE FRAME TYPE-1 TRIMMING (RED)
2	FSM-32-114-461B-TENDER SIDE FRAME TYPE-2 TRIMMING (RED)
3	FSM-32-114-461C-TENDER SIDE FRAME TYPE-3 TRIMMING (RED)
4	FSM-32-114-461D-TENDER AXLE BOX TRIMMING (RED)
4	FSM-32-114-461E-TENDER SPRING TRIMMING (RED)

ASSEMBLY 2005	
QTY.	
1	FSM-32-012-039-TENDER FRONT CHASSIS FRAME SPACER
1	FSM-32-012-040-TENDER CENTRE CHASSIS FRAME SPACER
1	FSM-32-012-041-TENDER REAR CHASSIS FRAME SPACER
1	FSM-32-012-042A-TENDER LH-TANK SUPPORT
1	FSM-32-012-042B-TENDER RH-TANK SUPPORT
1	FSM-32-013-043-TENDER CHASSIS
4	FSM-32-014-044-TENDER CENTRE BRASS BUSH
4	FSM-32-014-045-TENDER FRONT AND REAR BRASS BUSH
1	FSM-32-051-208-TENDER VACUUM TANK
1	FSM-32-051-209-TENDER WATER SCOOP
1	FSM-32-051-210-TENDER PIVOT PIN
2	FSM-32-052-212-TENDER LH-TENDER BRAKES
2	FSM-32-052-213-TENDER RH-TENDER BRAKES
2	FSM-32-053-214-TENDER LH-TENDER BRAKES
2	FSM-32-053-215-TENDER RH-TENDER BRAKES
1	FSM-32-054-216-TENDER LEFT HAND BRAKE GEAR
1	FSM-32-054-217-TENDER RIGHT HAND BRAKE GEAR
1	FSM-32-054-218-TENDER 1,6x16mm WIRE
3	FSM-32-054-219-TENDER 1,0x4,3mm WIRE
2	FSM-32-054-219-TENDER 1,0x4,3mm WIRE
2	FSM-32-054-220-TENDER BRAKE PULL ROD
1	FSM-32-2001-TENDER FRONT REAR WHEEL SUB ASSEMBLY
1	FSM-32-2002-TENDER FRONT REAR WHEEL SUB ASSEMBLY
1	FSM-32-2003-TENDER CENTRE WHEEL SUB ASSEMBLY
1	FSM-32-2004-TENDER CENTRE WHEEL SUB ASSEMBLY

ASSEMBLY 2009	
QTY.	
8	FSM-32-093-367-TENDER MAIN FRAME FILLET
1	FSM-32-093-369-TENDER RH-MAIN FRAME
1	FSM-32-094-371B-TENDER LH GUARD IRON
1	FSM-32-094-374B-TENDER RH-FRONT STEP TREAD
1	FSM-32-094-375B-TENDER RH-UPPER REAR STEP TREAD
1	FSM-32-094-376B-TENDER RH-LOWER REAR STEP TREAD
1	FSM-32-094-378-TENDER REAR STEP SUPPORT
1	FSM-32-094-379-TENDER LOWER FRONT STEP DETAIL
1	FSM-32-094-380-TENDER UPPER FRONT STEP DETAIL
2	FSM-32-094-381-TENDER REAR STEP TREAD DETAIL
4	FSM-32-094-382-TENDER AXLE BOX KEEPER
4	FSM-32-106-423-TENDER AXLE BOX
2	FSM-32-114-461A-TENDER SIDE FRAME TYPE-1 TRIMMING (RED)
2	FSM-32-114-461B-TENDER SIDE FRAME TYPE-2 TRIMMING (RED)
3	FSM-32-114-461C-TENDER SIDE FRAME TYPE-3 TRIMMING (RED)
4	FSM-32-114-461D-TENDER AXLE BOX TRIMMING (RED)
4	FSM-32-114-461E-TENDER SPRING TRIMMING (RED)



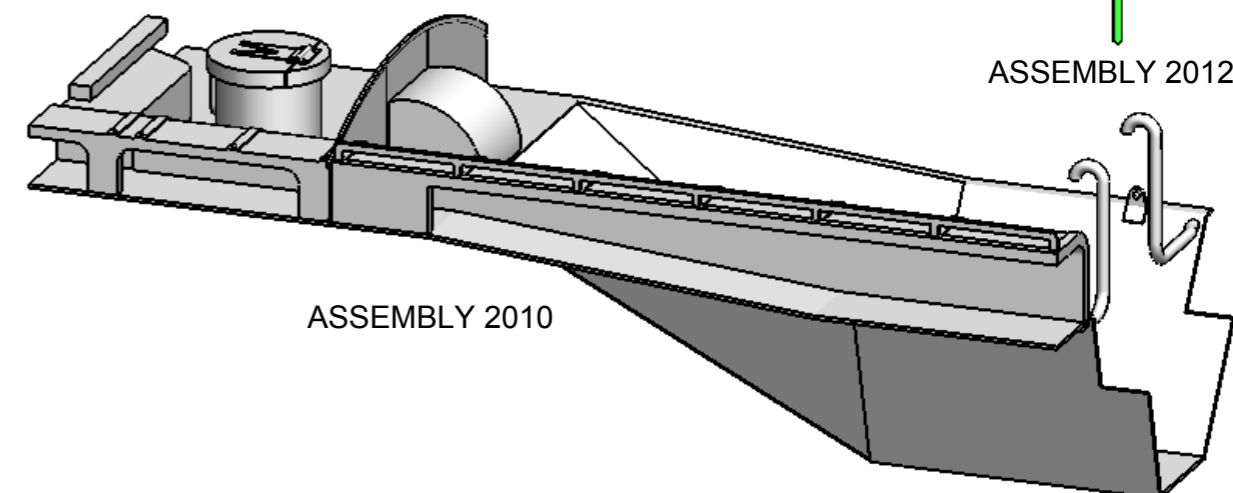
ASSEMBLY 2005

ASSEMBLY 2010	
QTY.	
1	FSM-32-091-359-TENDER DECK
1	FSM-32-094-372-TENDER COAL PARTITION
1	FSM-32-107-426-TENDER WATER FILLER
1	FSM-32-107-427-TENDER REAR WATER DOME
1	FSM-32-107-428-TENDER FRONT WATER DOME
1	FSM-32-093-368A-TENDER RH-LIFTING BRACKET
1	FSM-32-093-368B-TENDER LH-LIFTING BRACKET
1	FSM-32-107-425A-TENDER LH-VENT PIPE
1	FSM-32-107-425B-TENDER RH-VENT PIPE
1	FSM-32-108-429-TENDER CENTRAL TUNNEL ROOF
1	FSM-32-108-430-TENDER REAR TUNNEL ROOF
1	FSM-32-108-431-TENDER FRONT TUNNEL ROOF
1	FSM-32-092-363-TENDER COAL RAIL

ASSEMBLY 2012	
QTY.	
1	FSM-32-113-456-TENDER BRAKE HANDLE
1	FSM-32-113-458-TENDER 1,0mmx25mm BRASS WIRE



ASSEMBLY 2012

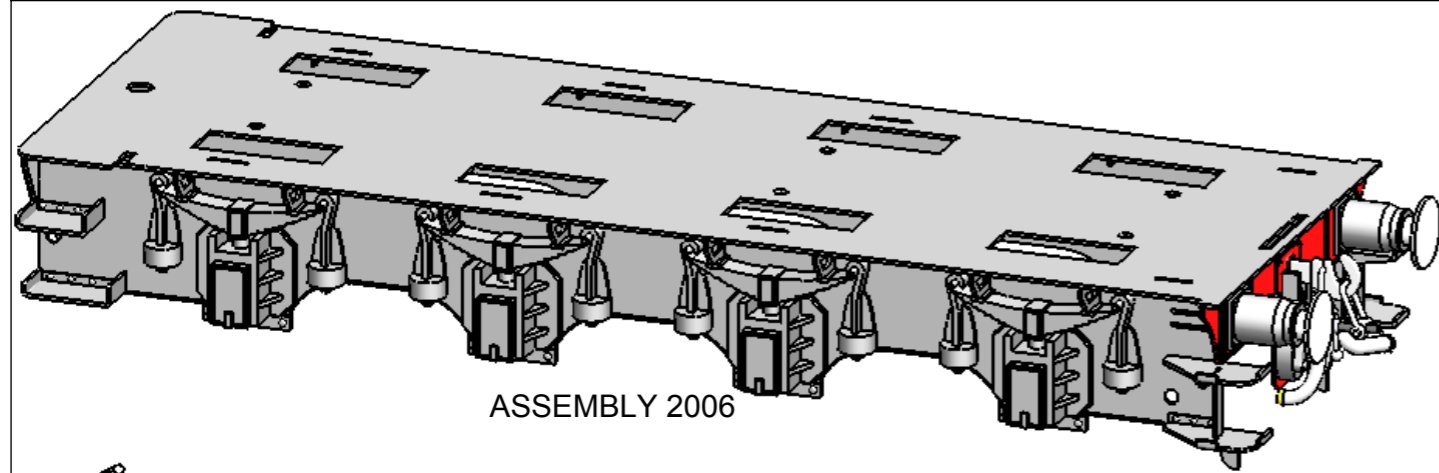


ASSEMBLY 2010

TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK
 GAUGE 32mm ASSEMBLIES

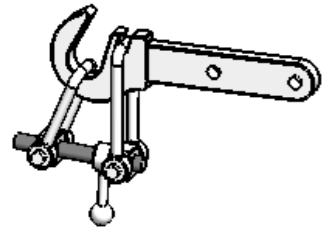
A3

JDW DRAUGHTING SERVICES 12 BRIGHTWELL STREET PAPAOKURA NEW ZEALAND TEL/FAX 0064-09-2988815 E-MAIL:dewaal@xtra.co.nz		DRAWN BY J.A.M. DE WAAL	PROJECT No: 01-04-10-09-00	DRAWING NUMBER FSM-32-050	SHEET
A ISSUED FOR CONSTRUCTION	DATE	SEPT 2011	SCALENTS@A3 or AS SHOWN	ISHT OF SHT	REV A
REV	DESCRIPTION	DATE			



ASSEMBLY 2006

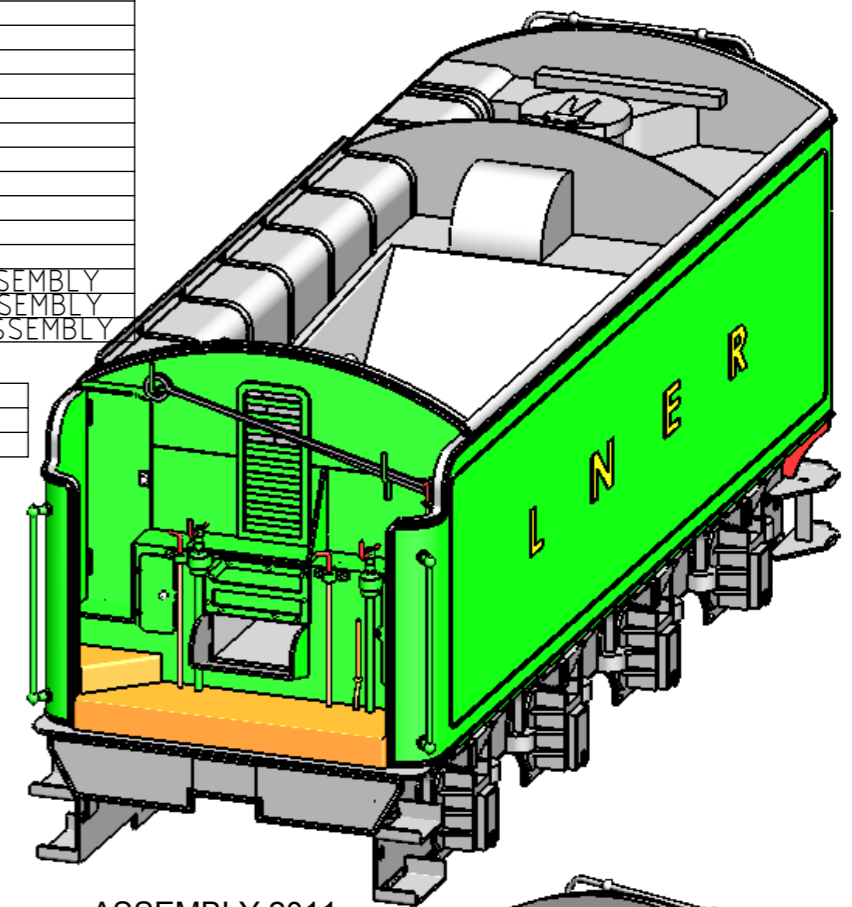
QTY.	ASSEMBLY 2006
1	FSM-32-087-354-TENDER FOOTPLATE
1	FSM-32-097-388-TENDER DRAW BAR BACKING PLATE
1	FSM-32-097-389-TENDER BEAM BACKING PLATE
1	FSM-32-097-390-TENDER DRAW BAR DETAIL PLATE
1	FSM-32-097-391-TENDER BEAM REAR PLATE
1	FSM-32-114-460D-TENDER FRONT BEAM TRIM
1	FSM-32-114-460E-TENDER REAR BEAM TRIM
1	FSM-32-120-484-TENDER BUFFERBEAM DETAIL
1	FSM-32-121-487-TENDER STEAM HEATING PIPE
1	FSM-32-121-488-TENDER BREAK PIPE
2	FSM-32-122-490-TENDER BUFFER SHANK
2	FSM-32-122-491-TENDER BUFFER HEAD
2	FSM-32-122-492-TENDER BUFFER SPRING
2	FSM-32-122-493-TENDER BUFFER M1 NUT
1	FSM-32-123-495-TENDER BUCKEYE COUPLER
1	FSM-32-2008-TENDER LH-MAIN FRAME SUB ASSEMBLY
1	FSM-32-2009-TENDER RH-MAIN FRAME SUB ASSEMBLY
1	FSM-32-2014-TENDER SCREW COUPLING SUB ASSEMBLY



ASSEMBLY 2014

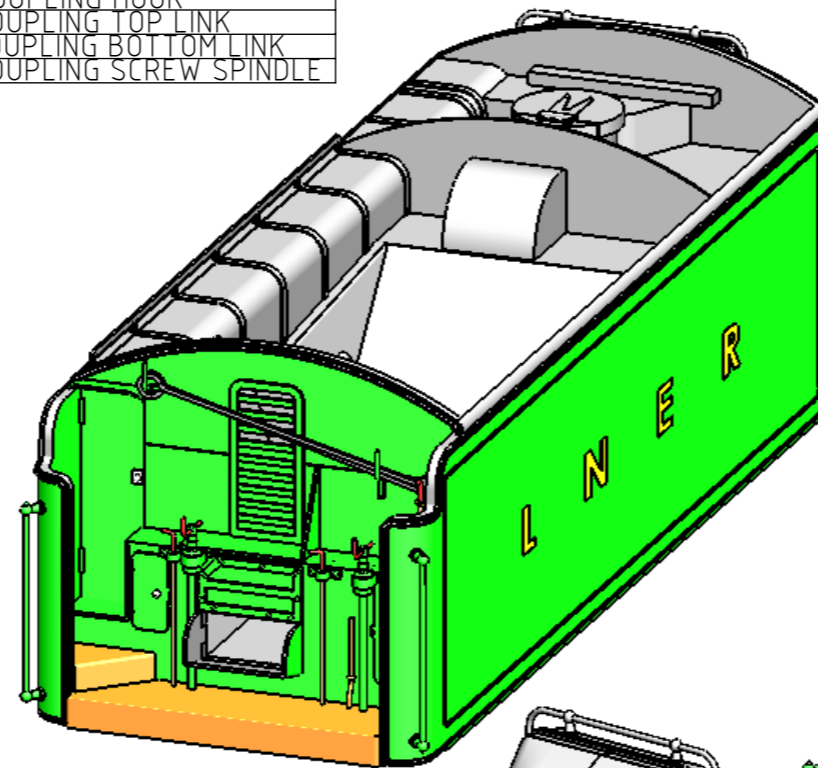
QTY.	ASSEMBLY 2014
1	FSM-32-125-500A-LOCO SCREW LINK COUPLING HOOK
1	FSM-32-125-500B-LOCO SCREW LINK COUPLING TOP LINK
1	FSM-32-125-500C-LOCO SCREW LINK COUPLING BOTTOM LINK
1	FSM-32-125-500D-LOCO SCREW LINK COUPLING SCREW SPINDLE

QTY.	ASSEMBLY 2011
1	FSM-32-2006-TENDER FOOTPLATE SUB ASSEMBLY
1	FSM-32-2007-TENDER BUNKER SUB ASSEMBLY

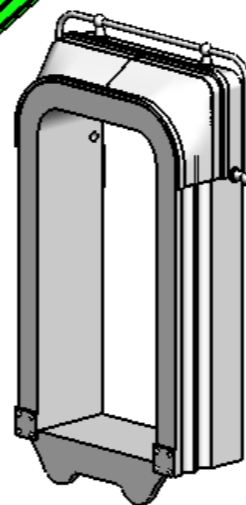


ASSEMBLY 2011

QTY.	ASSEMBLY 2007
2	FSM-32-086-351-TENDER LETTERING
1	FSM-32-088-355-TENDER BACK AND SIDES
1	FSM-32-089-357-TENDER LH-DECK SUPPORT
1	FSM-32-090-358-TENDER RH-DECK SUPPORT
1	FSM-32-092-365-TENDER REAR BEADING
1	FSM-32-092-366-TENDER LH- BEADING
1	FSM-32-093-370-TENDER RH- BEADING
1	FSM-32-095-383-TENDER BULKHEAD SPACER PLATE
1	FSM-32-095-384-TENDER BULKHEAD
1	FSM-32-096-385-TENDER FLOOR
1	FSM-32-096-386-TENDER FLOOR SUPPORT
1	FSM-32-096-387-TENDER HOPPER DOOR
1	FSM-32-098-392A-TENDER RH- TRIM
1	FSM-32-098-392B-TENDER RH- TRIM
1	FSM-32-098-393A-TENDER LH- TRIM
1	FSM-32-098-393B-TENDER LH- TRIM
4	FSM-32-107-424A-TENDER FRONT HAND RAIL
1	FSM-32-111-445-TENDER TUNNEL DOOR
1	FSM-32-111-446-TENDER SMALL LOCKER DOOR
1	FSM-32-111-447-TENDER LOWER COAL CHUTE
1	FSM-32-111-448-TENDER TUNNEL DOOR RAIN STRIP
1	FSM-32-111-449-TENDER LOWER COAL DOOR
1	FSM-32-112-450-TENDER UPPER COAL DOOR
1	FSM-32-112-451-TENDER LARGE LOCKER DOOR
1	FSM-32-112-452-TENDER UPPER COAL DOOR
1	FSM-32-112-453-TENDER BULKHEAD BEADING
1	FSM-32-112-454-TENDER PIPE BRACKET
2	FSM-32-113-455-TENDER TAP BRACKET
3	FSM-32-113-457-TENDER LAMP BRACKET
1	FSM-32-113-459A-TENDER VENT PIPE BRACKET
1	FSM-32-114-460A-TENDER FRONT TRIM
1	FSM-32-114-460B-TENDER REAR TRIM
1	FSM-32-114-460C-TENDER BACK TRIM
1	FSM-32-120-479-TENDER FIRE IRON
1	FSM-32-120-479-TENDER FIRE IRON
1	FSM-32-120-480-TENDER TUNNEL WINDOW BEAD
2	FSM-32-120-481-TENDER SHORT REAR STEP TREAD
4	FSM-32-120-482-TENDER LONG REAR STEP TREAD
6	FSM-32-120-483-TENDER REAR STEP TREAD DETAIL
2	FSM-32-120-485a-TENDER SHORT TAP HANDLE
1	FSM-32-120-485B-TENDER LONG TAP HANDLE
2	FSM-32-120-485C-TENDER SHORT BRACKET
1	FSM-32-120-485D-TENDER VENT PIPE
2	FSM-32-121-486-TENDER DOOR KNOB
8	FSM-32-122-489-TENDER HANDRAIL KNOB
1	FSM-32-2010-TENDER HOPPER SUB ASSEMBLY
2	FSM-32-2012-TENDER HAND BRAKE SUB ASSEMBLY
1	FSM-32-2013-TENDER CORRIDOR CONNECTOR SUB ASSEMBLY

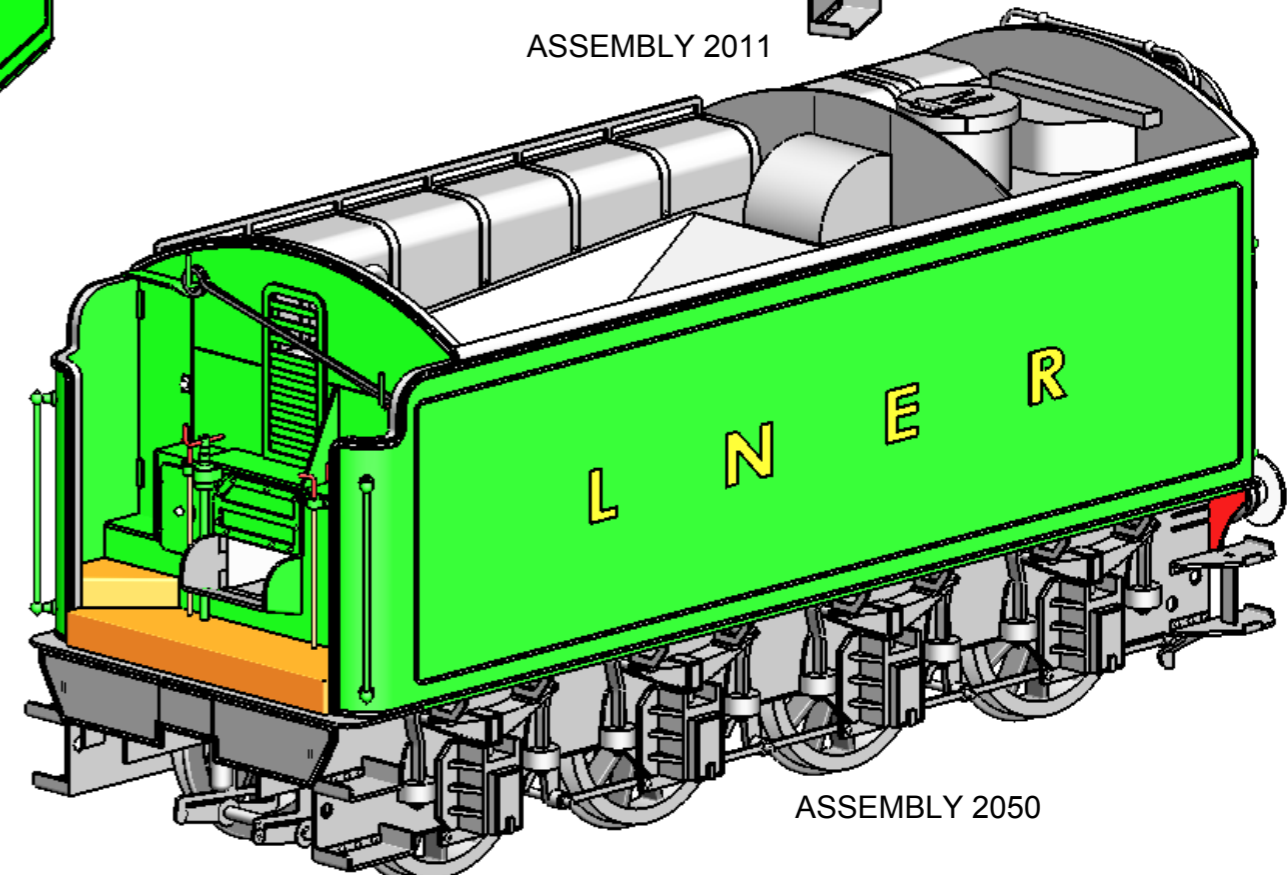


ASSEMBLY 2007



ASSEMBLY 2013

QTY.	ASSEMBLY 2013
1	FSM-32-107-424A-TENDER CORRIDOR CONNECTOR HAND RAIL
4	FSM-32-122-489-TENDER HANDRAIL KNOB
1	FSM-32-123-494-TENDER CORRIDOR CONNECTOR



ASSEMBLY 2050

QTY.	ASSEMBLY 2050
1	FSM-32-2005-TENDER CHASSIS FRAME SUB ASSEMBLY
1	FSM-32-2011-TENDER MAIN FRAME + TOP SUB ASSEMBLY

TITLE
STEAM LOCOMOTIVE "THE FLYING SCOTSMAN" SCALE 1:45 TRACK
A3 GAUGE 32mm ASSEMBLIES

JDW DRAUGHTING SERVICES
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DRAWN BY
J.A.M. DE WAAL
 DATE
SEPT 2011

PROJECT No: 01-04-10-09-00
 PROJECTION
 DRAWING NUMBER
FSM-32-051
 SCALE: NTS@A3 or AS SHOWN
 SHEET
A