SUPPORT LOAD DIAGRAM

SELF SUPPORT POST:

FOOT LOAD
FROM COMBINED WEIGHT
AND MOMENT

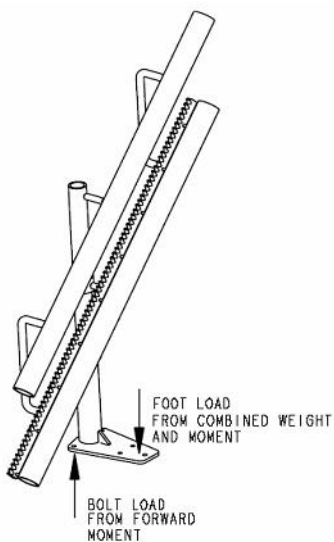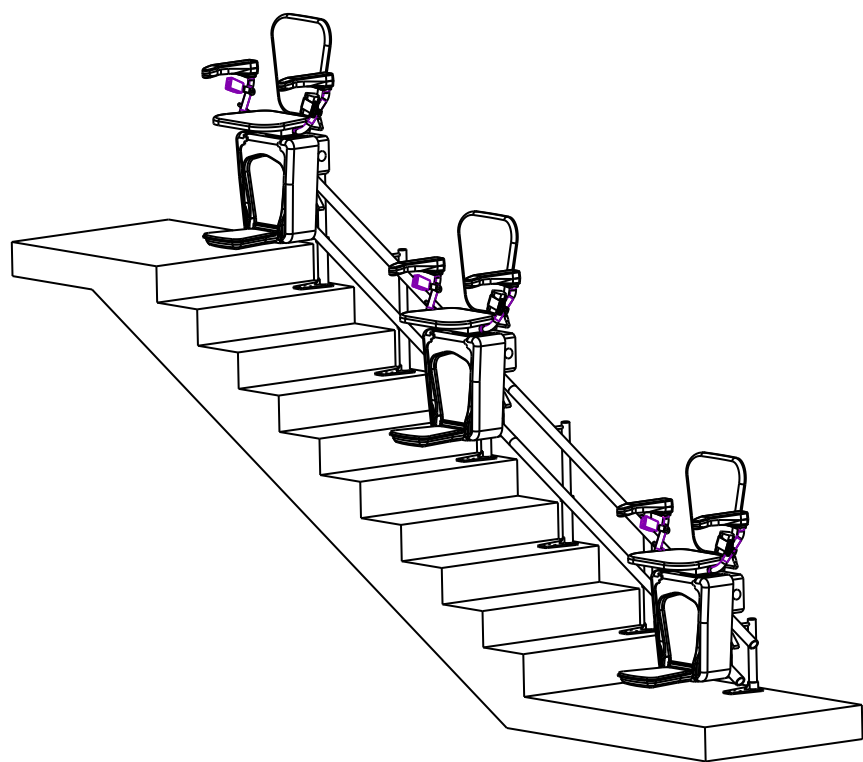BOLT LOAD
FROM FORWARD
MOMENT

DESIGN FOOT LOADS ARE:
4684N (1053 LBF) VERTICAL FOOT LOAD
2344N (527LBF) BOLT TENSILE LOAD
AT BACK TWO FASTENER LOCATIONS
DUE TO FORWARD MOMENT
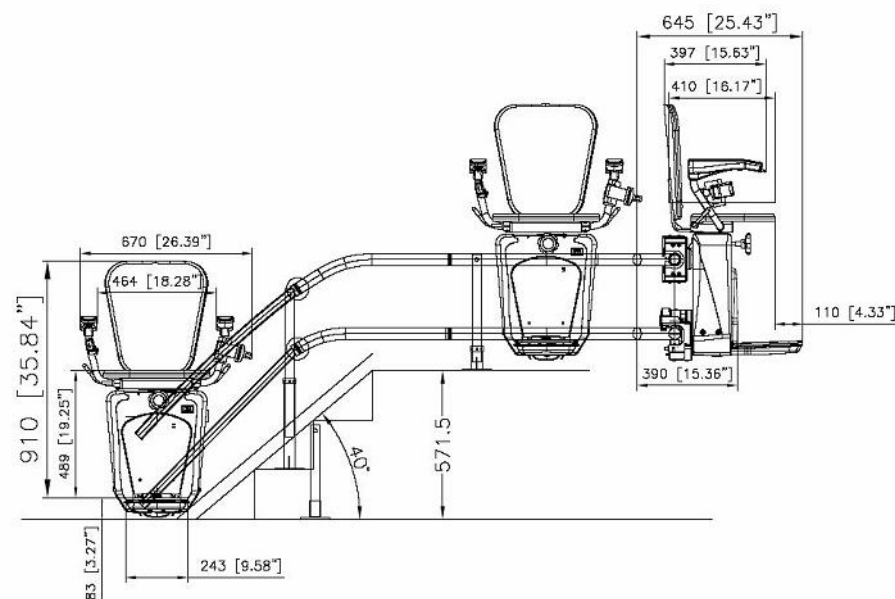-USE THE SAME FASTENERS IN 3 LOCATIONS

SPECIFICATIONS

GENERAL

CLASSIFICATION:	UNENCLOSED CHAIR LIFT
APPLIED CODE:	CODE: RESIDENTIAL OR COMMERCIAL
MODEL:	STAIRFRIEND
CAPACITY:	350 lbs [160 kg]
	ONE PERSON IN CHAIRLIFT
SPEED:	25 ft/min [7.2 m/min]
CHAIR SIZE:	16.625"x14.75" [422x375]
POWER SUPPLY:	120V,15A,60Hz,SINGLE PHASE

MOTOR:	24 V (DC), 0.5 Hp
DRIVE SYSTEM:	RACK AND PINION

SELF SUPPORT STAIR POST:	(YES)
INTERMEDIATE STOPS:	YES / NO
90 DEGREE BEND:	0
180 DEGREE BEND:	0
CUSTOM BEND:	0
DROP NOSE:	NO OR YES
SEAT CHAIR MODEL	L

645 [25.43"]
397 [15.53"]
410 [16.17"]
670 [26.39"]
464 [18.28"]
110 [4.33"]
390 [15.36"]
910 [35.84"]
489 [19.25"]
571.5
40°
83 [3.27"]
243 [9.58"]

DIMENSIONS ARE
IN INCHES

APPROVAL DWG

CUSTOMER:		DATE:
PROJECT: STR8 STAIR		REVISION DATE:
ADDRESS:		COMPLETED BY:

Part No.
STAIRFRIEND

Variant No.

Ⓢ savaria™

JOB No.

SHEET No.
1 OF 3

NOSE TO
FLOOR

WIDTH OF
STAIR

DEPTH OF BOTTOM
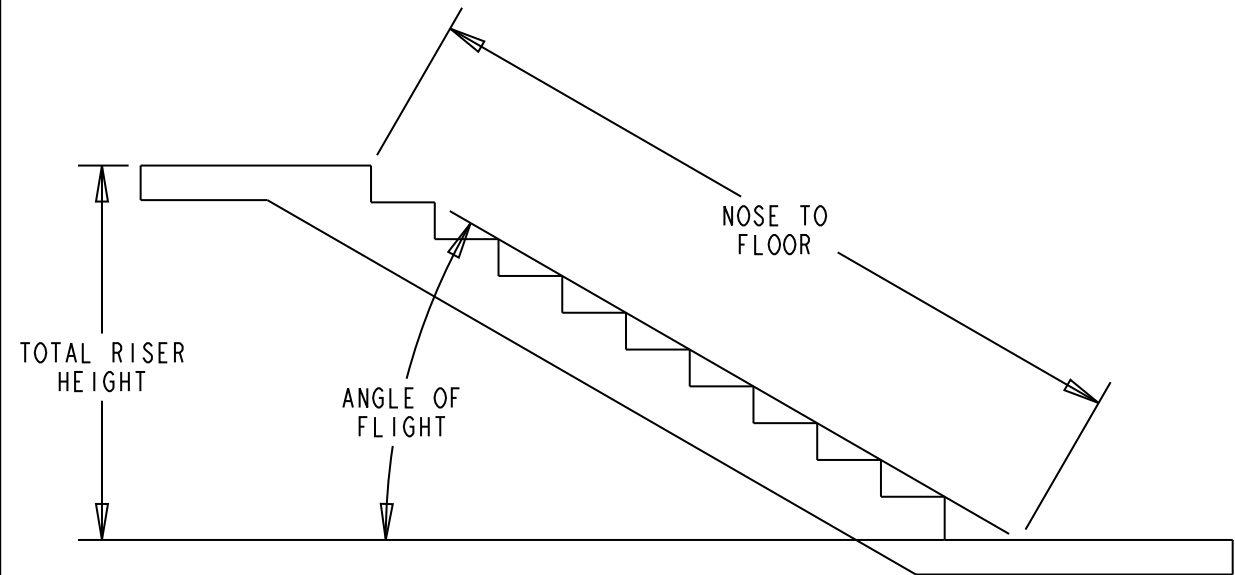LANDING

TOTAL RISER
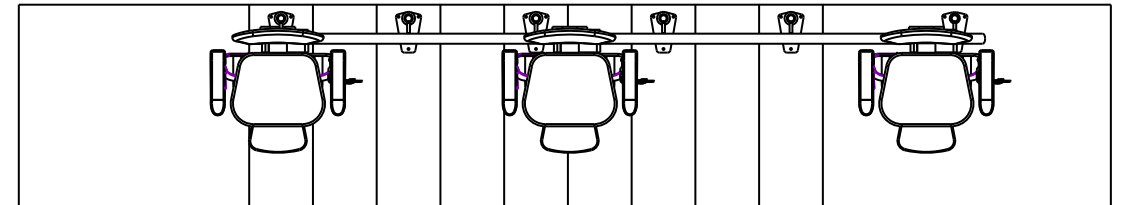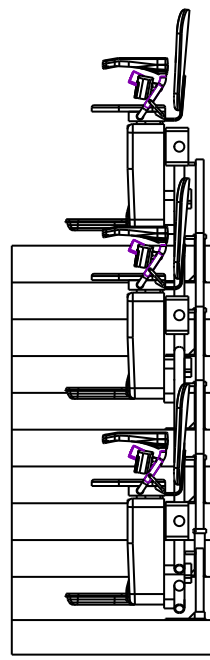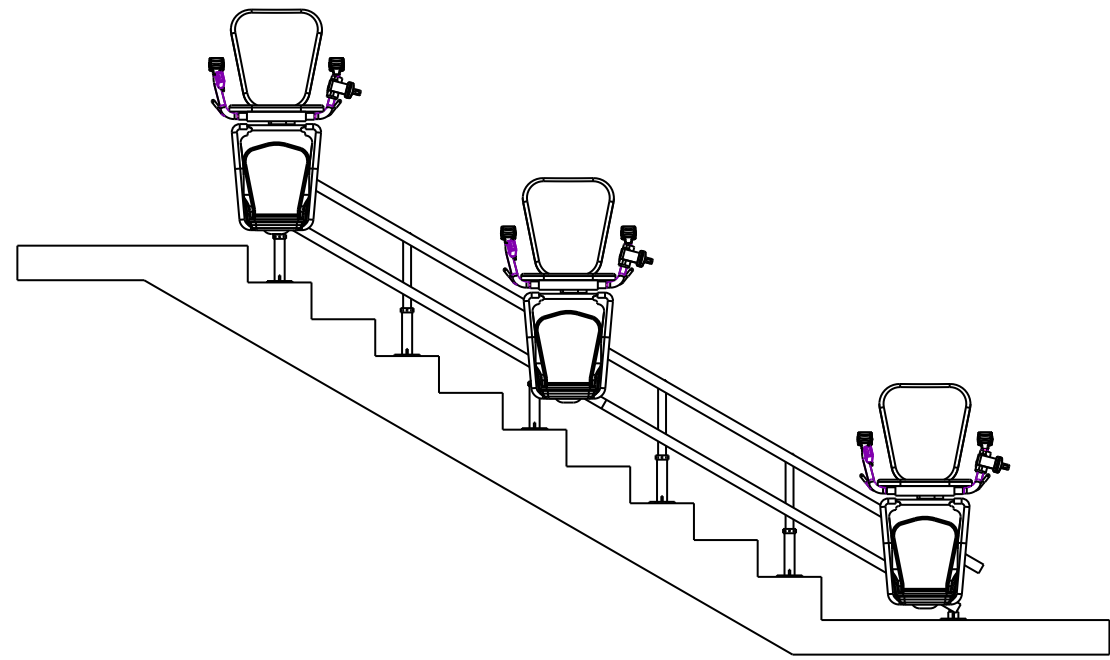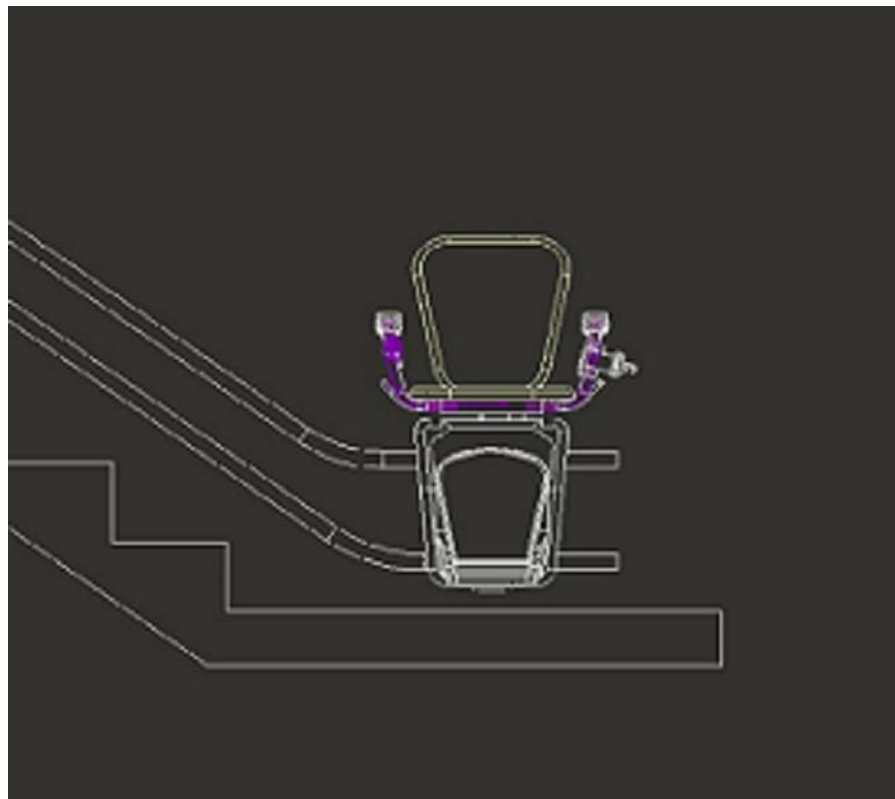HEIGHT

ANGLE OF
FLIGHT
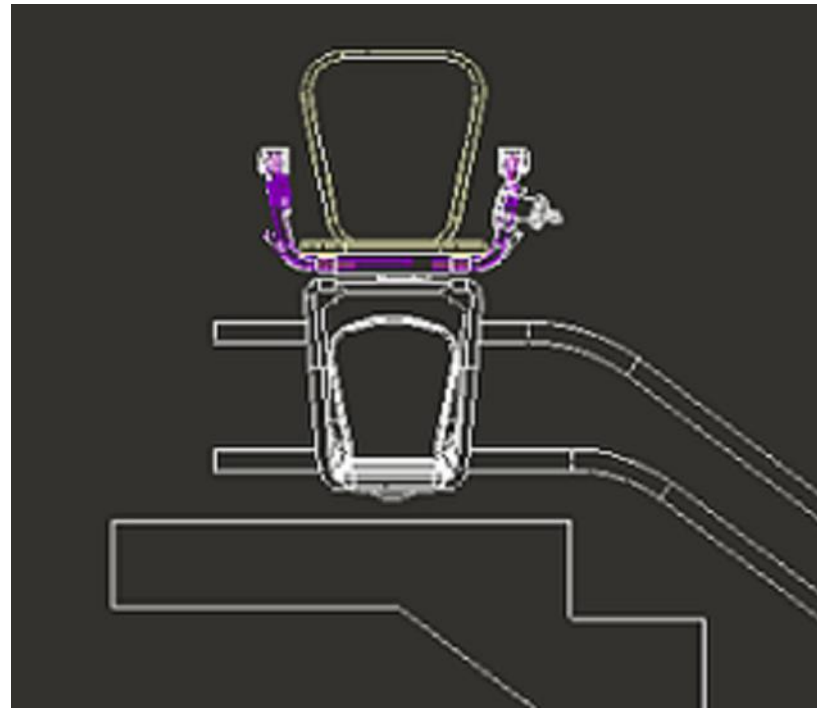
LANDING
DEPTH, LD

DIMENSIONS ARE
IN INCHES

APPROVAL DWG

CUSTOMER:

PROJECT: STR8 STAIR

ADDRESS:

DATE:

REVISION DATE:

COMPLETED BY:
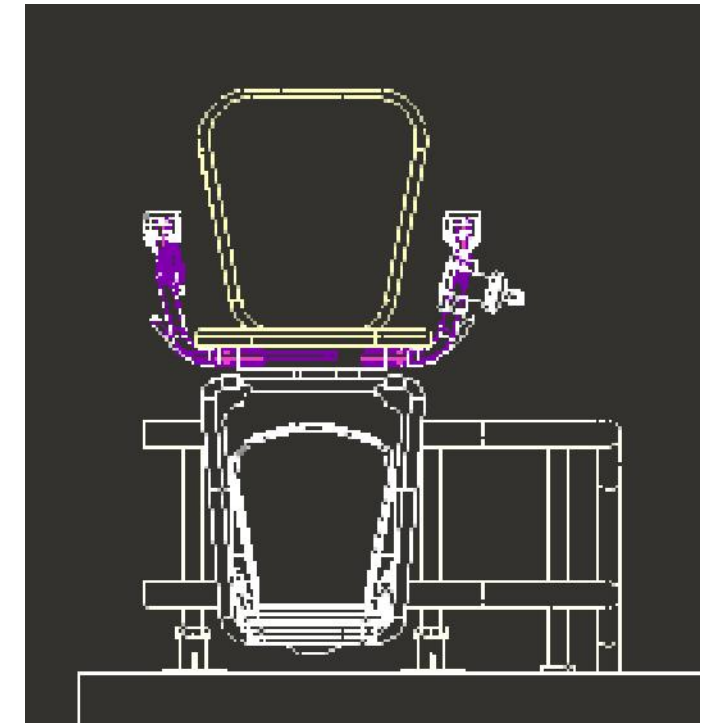
Part No.
STAIRFRIEND

Variant No.
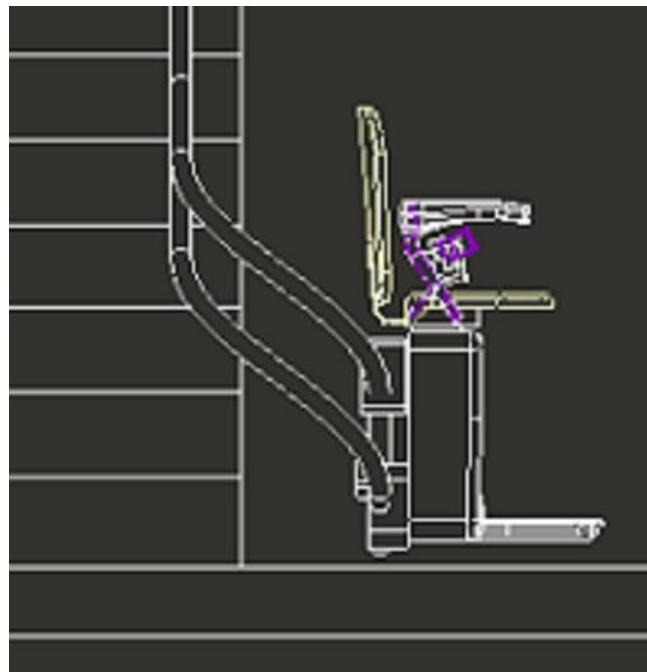
 savaria.

JOB No.

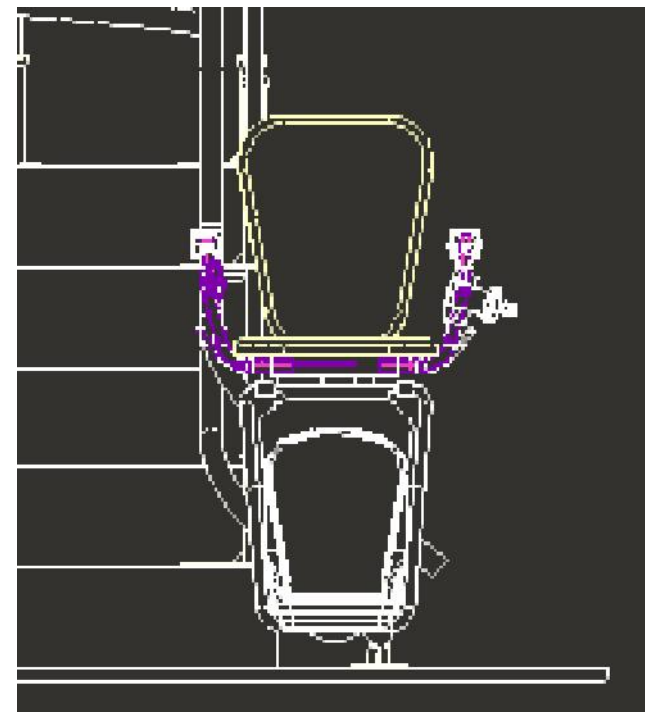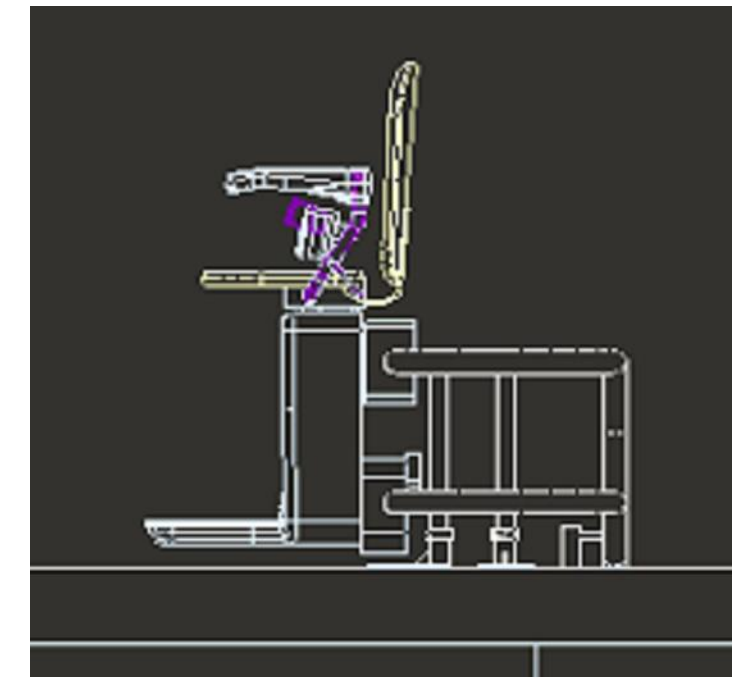SHEET No.
2 OF 3

OVERRUN AT BOTTOM

OVERRUN AT TOP

90 DEG PARKING AT TOP

180 DEG PARKING AT BOTTOM

90 DEG PARKING AT BOTTOM

180 DEG PARKING AT TOP

DIMENSIONS ARE
IN INCHES

APPROVAL DWG

CUSTOMER:	
PROJECT: STR8 STAIR	
ADDRESS:	

DATE:

REVISION DATE:

COMPLETED BY:

Part No.
STAIRFRIEND

Variant No.

⊙ savaria™

JOB No.

SHEET No.
3 OF 3