

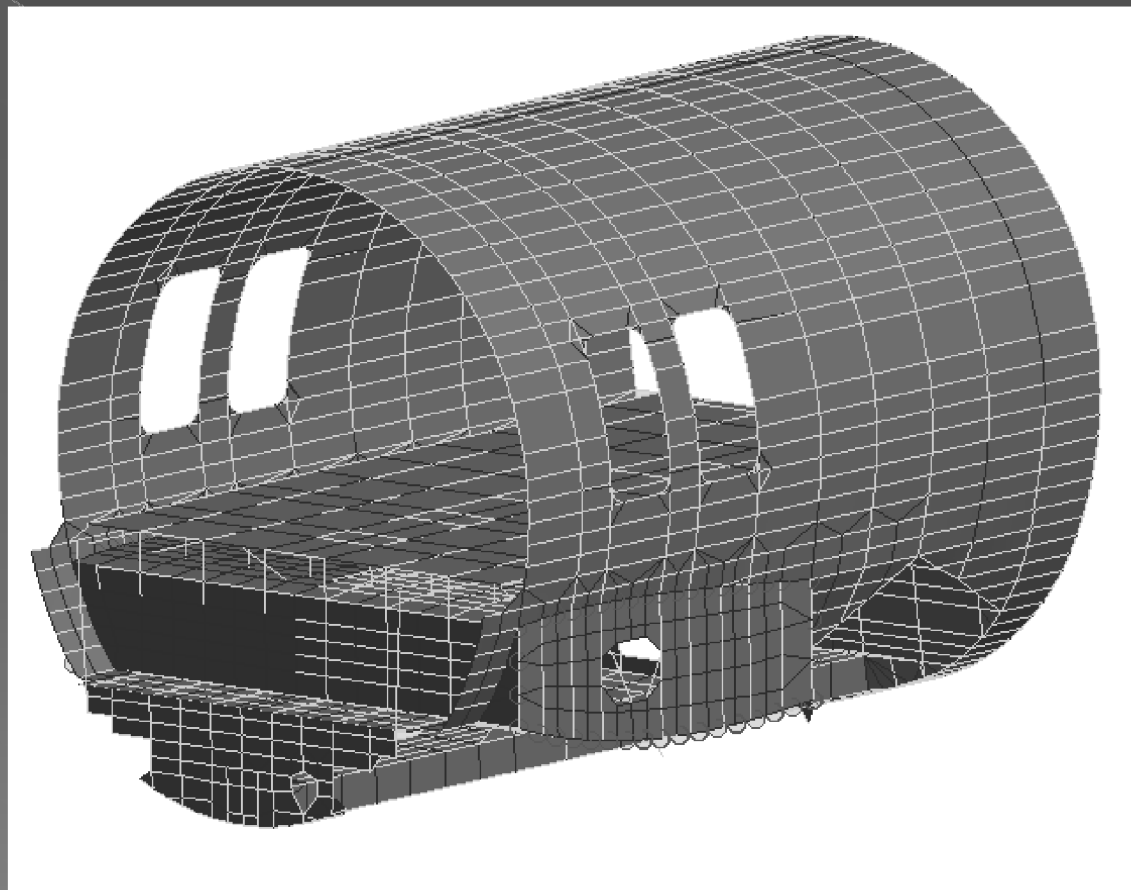
Проект Frame feet S15 CJ

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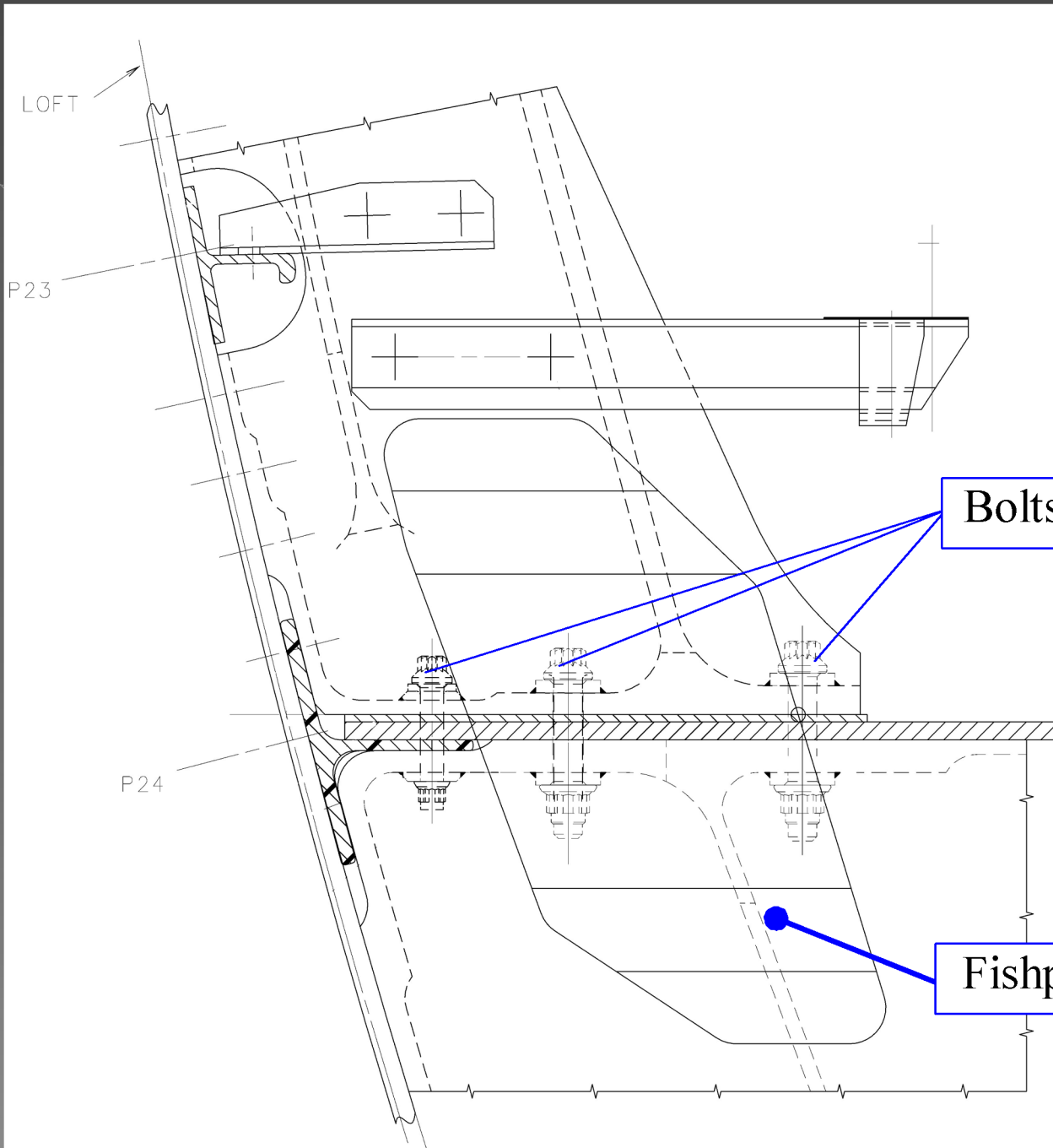
Задачи проекта:

- > Рассчитать на прочность frame feet
- > Подготовить отчет для заказчика

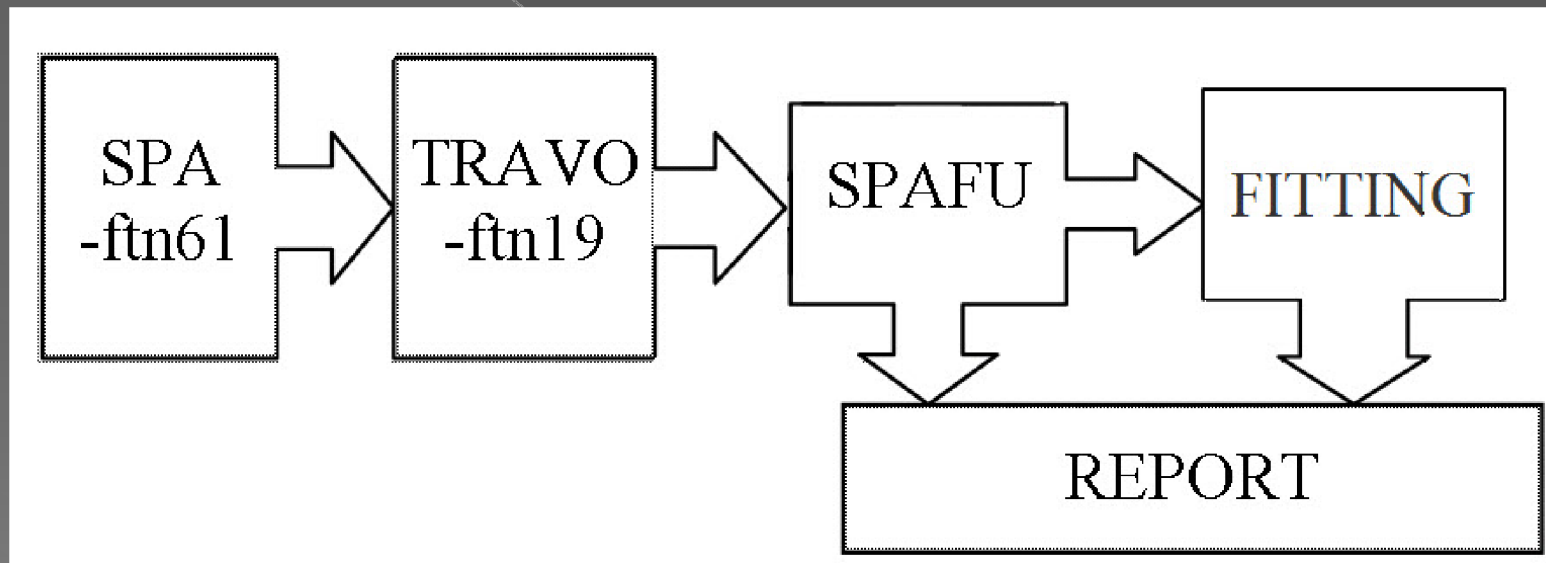
Исследуемый объект



Центроплан



Основные гипотезы, методы и инструменты



Выходной файл модуля FITTING

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!
!                         ALLOWABLE STRESS AND USED VALUES
!
!                WALL ANALYSIS                !                END PAD ANALYSIS
!
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!
!                AG                EX                IX ALLTENEX ALLMOM !                VK0                VK1                K1                VK2                K2 ALLTENEX ALL SHEAR !
!
!                4.00                1.81                3.05                6870.                11619. !                0.11                2.50                2.74                0.89                0.36                6150.                2700. !
!

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RESULTS (USED VALUES AND RESERVEFACTORS)

NR	LC	LOAD	FTUW	RTUW	VORHM	RATIO	RF	!AVA	TENEXT	RF	AVA	SHEAR	RF	REFER	STR
1	ZCT	200.	100.	0.026	49.	0.004	34.94	!	1231.	4.99	72.	37.30	1238.	<SG02	
2	21MV311	178.	89.	0.023	43.	0.004	39.26	!	1096.	5.61	64.	41.91	1102.	<SG02	
3	21MV311Z	348.	174.	0.044	85.	0.007	20.08	!	2143.	2.87	126.	21.44	2154.	<SG02	
4	21MW312	357.	178.	0.046	87.	0.008	19.58	!	2198.	2.80	129.	20.90	2209.	<SG02	
5	21MW312Z	83.	41.	0.011	20.	0.002	84.20	!	511.	12.03	30.	89.89	514.	<SG02	
6	21GV311	361.	180.	0.046	88.	0.008	19.36	!	2223.	2.77	131.	20.67	2234.	<SG02	
7	21GV311Z	340.	170.	0.043	83.	0.007	20.55	!	2093.	2.94	123.	21.94	2104.	<SG02	
8	21XB311	73.	36.	0.009	18.	0.002	95.74	!	449.	13.68	26.	99.99	452.	<SG02	
9	22XLF311	334.	167.	0.043	82.	0.007	20.92	!	2056.	2.99	121.	22.34	2067.	<SG02	
10	22XLF312	73.	36.	0.009	18.	0.002	95.74	!	449.	13.68	26.	99.99	452.	<SG02	
11	22XLF313	380.	190.	0.048	93.	0.008	18.39	!	2340.	2.63	138.	19.63	2352.	<SG02	
12	22XLF3#7	81.	40.	0.010	20.	0.002	86.28	!	499.	12.33	29.	92.11	501.	<SG02	
13	22XLF315	396.	198.	0.051	97.	0.008	17.65	!	2438.	2.52	143.	18.84	2451.	<SG02	
14	22MV311	78.	39.	0.010	19.	0.002	89.60	!	480.	12.81	28.	95.65	483.	<SG02	
15	22MV311Z	368.	184.	0.047	90.	0.008	18.99	!	2266.	2.71	133.	20.27	2277.	<SG02	

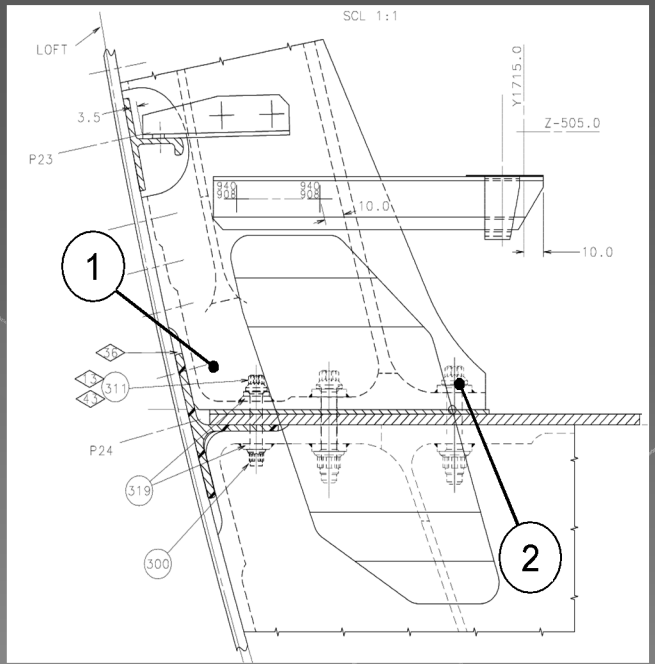
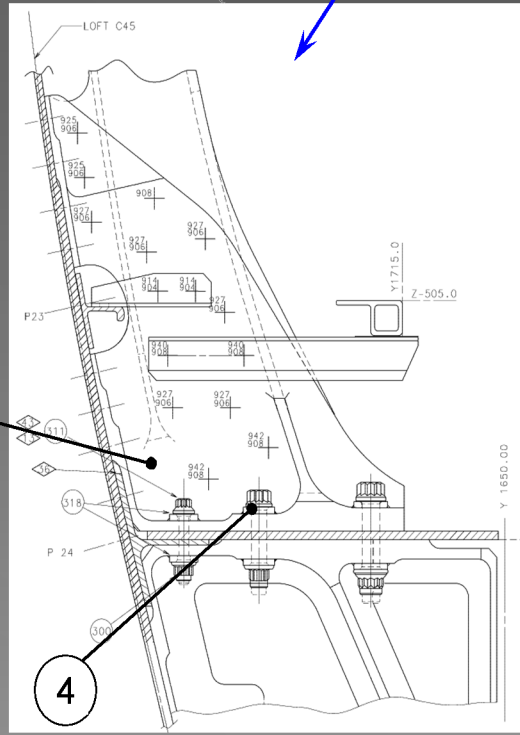
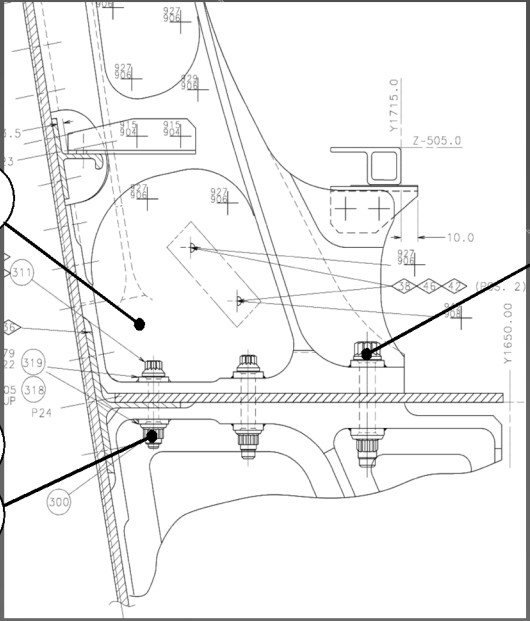
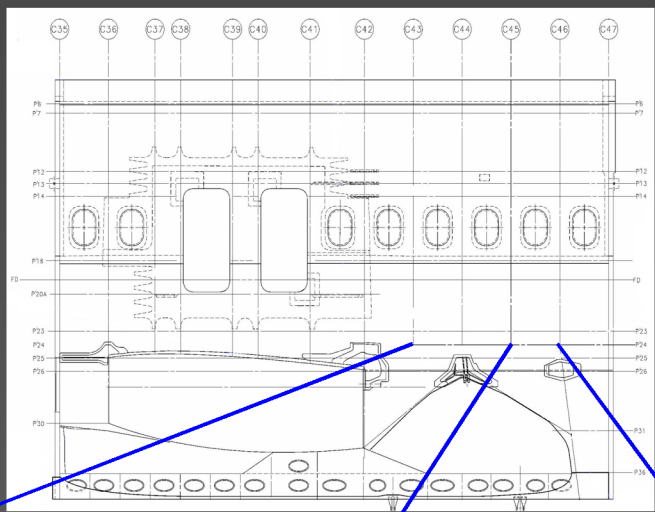
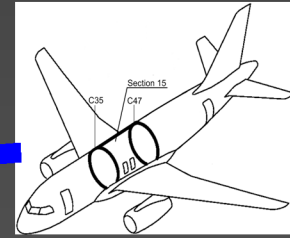
ALLOWABLE LOAD : 999. DAN

MINIMAL RESERVEFACTOR = 2.52 IN LOADCASE 13 22XLF315

Section 15 Frame Feet

Type of Parameter: **St**=Stress / **F**=Force / **M**=Moment / **Fl**=Running Load / **Str**=Strain / **μStr** = MicroStrain / **D**=Deflection / **Pr**=Pressure / **g**=Load factor
 Kind of Loading: **S**=Shear / **T**=Tension / **C**=Compression / **B**=Bearing / **Bn**=Bending / **Pr**=Pressure / **Cplx**=complex - combination of more than 3 kinds of loading

Nr	Location	Material	Type of param.	Unit	Kind of load	Ultimate Value	Allowable Value	RF	Updated
1	Milled Frame C46 RHS Attach.2	7075T73	F	N	59000	T	65250	1.10	
2	Frame Fitting Bolt C46 RHS / Bolt 5	MS21250-05024	F	N	1930 42580	S T	36920 49380	1.15	
3	Milled Frame C45 RHS Attach.1	7075T7351	F	N	51990	T	61500	1.18	
4	Frame Fitting C45 RHS Attach.4	7075T7351	F	N	51950	T	61500	1.18	
5	Frame Fitting C43 RHS Attach.3	7075T7351	F	N	42410	T	61500	1.45	
6	Milled Frame C43 RHS Attach.6	7075T7351	F	N	42410	T	61500	1.45	
7	Milled Frame C43 RHS Attach.2	7075T7351	F	N	40390	T	61500	1.52	
8	Frame Fitting C43 RHS Attach.5	7075T7351	F	N	39110	T	61500	1.52	
9	Milled Frame C46 RHS Attach.3	7075T73	F	N	42410	T	65250	1.53	
10	Frame Fitting Bolt C43 RHS / Bolt 8	MS21250-06026	F	N	9630 46860	S T	53160 76070	1.62	



Спасибо за внимание