

KF AEROSPACE – CENTER FOR EXCELLENCE

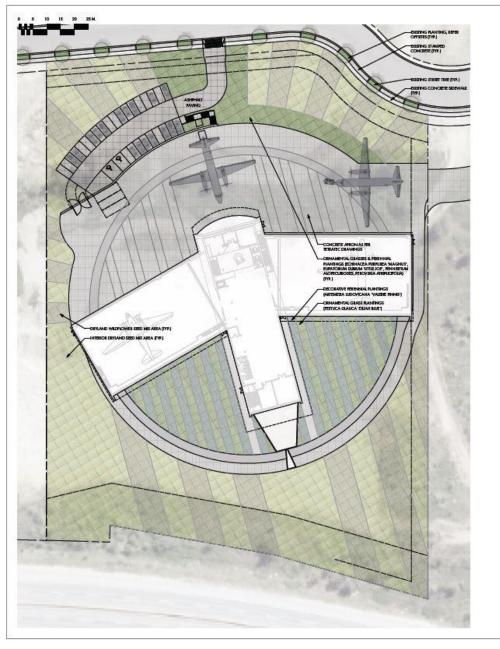
Kelowna Public Hearing - Nov 17, 2020



Location



Aerial View











NOTES

LANS MATERIAL AND CONSTRUCTION METHODS SHAE MEET OR EXCEED THE CANADIAN LANDSCAPE STANDARS

I. TREE AND SHRIB BEDS TO BE DRESSED IN A MINIMUM SOWN DOUGLAS RED FIR MILICH, AS SHOWN IN FLANS, DI

A TREE AND SHILLS SEDS TO RECEIVE A MINIMUM 3000 IN DEPTH TORSOIL PLACEMENT.

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6. SEE GRADING AND DEAPHAGE WILL DISUBE THAT ALL STRUCTURES HAVE POSITIVE DEAPHAGE AND THAT NO WARES OR LODGE IMPERISHING WILL BE DISCHARGED PROBE THE SOT OWNO ADMICTOR FURBIC, COMMON, OR PRIVATE PROPERTIES.

PRODUCEDONG DEPLAND SEED AREAS

NTERCO (RELAND SEED MUTURE BY WEIGHT WALFROWER SEED MUTURE BY WEIGH SEESTED WEBATGRASS ANS SOLVE UNIVER SIX ALL WHEATGRASS SIX BALSAM ROOT SIX SENDES WHEATGRASS SIX BROWN EYED SLEAN SIX

HOROCESENG ARGCADON BATE (DENAND SEED AREA) NATIVE SEED INTERIOR DENAND SEED MIGRIER 75KG/HECTARE WILDOWER SEED MICRIER 1KG/HECTARE TERRITOR 14-18-12-2 50K

THE SUPPLE SECTION OF THE SECTION OF

THE RESIDENCE PROBODERDING MATURE IS TO BE APPLIED TO THE DIVIAND SEED AREA AS SHOWN ON THE DRAWNING, SEED MIX TO BE CERTIFED AT GRADE BY AGRICUATURE CANADA, RETER MANUFACTURES'S SPECIFICATION FOR RECORD DELIVERY, STORAGE & RECITEDISCH.

PLANT LIST			
BOT/MACAL HAME	COMMON NAME	GTY	SIZE/SPACING & REMARKS
SHBUBS, PORSHHINAS, GRASSES & GROUNDO	OVERS		
ARTEMESIA ULDOVICANA VALERE PRINTS	WHITE SAGE	1107	RUGS/I DN CIC SPACING
ECHINACEA PURPUREA 'MAGNUS'	MAGNUS CONEROWER	192	RUGS / 1.5H CIC STACING
ENVATOREM CURRAN TITLE YOU.	UTTLE JOE DWARF JOE FYE	192	RUGS/I.SH.O.C. SPACING
RSTUCA GLAUCA BUILAN BUE!	MILE PESCUE	1107	RUGS / I.OH O.C. SPACING
PEHHEETUM ALOPECURIODES	POUNTAIN GRASS	436	RUGS / LON. CIC. SPACING
PERCYSKIA ATERUCIFOLIA	RUSSIAN SAGE	192	NUGS/1.54 GC SPACING





KF AEROSPACE CENTER FOR EXCELLENCE 5800 & 5930 LAPOINTE DRIVE

elowno, BC

CONCEPTUAL LANDSCAPE PLAN

4		
i i	33	
морет но	20000	
CHOCKET		
CONTACT OF	VIC	
CHECGOST		
D/30	BBFT 10, 3000	
SOME	1400	
*****	246.707	

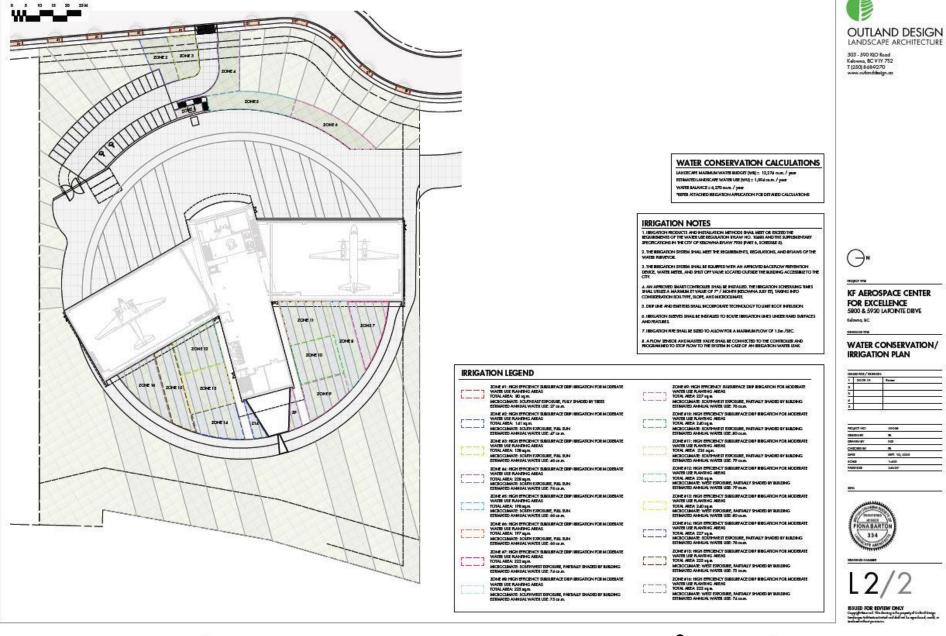


MANUFO HAMME

L1/2

SSUED FOR REVIEW ONLY appright to a med. This directing is the property of Ordered Contype and a superfection of the state of the superfected, confident allowed reflecting products.

Landscape Concept



Landscape - Water Conservation Plan







KF Centre for Excellence

material board

Sept 10, 2020

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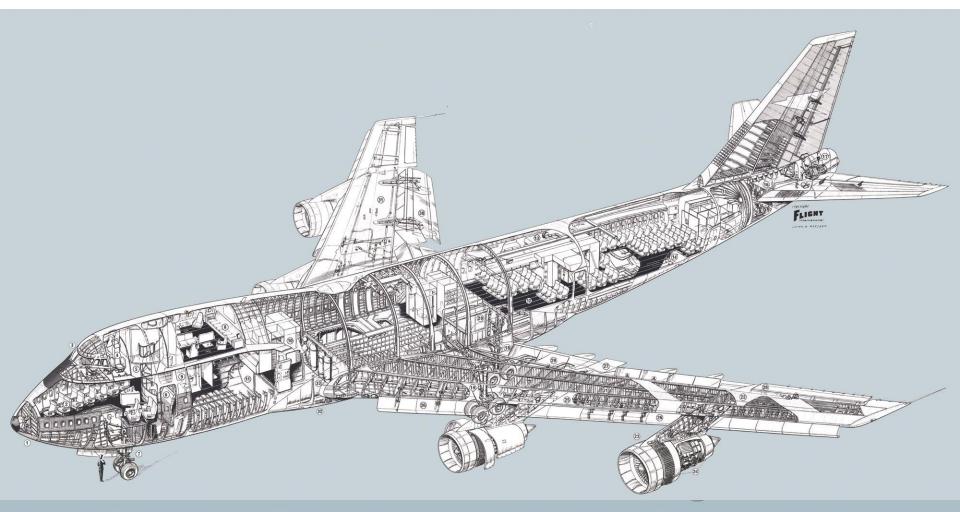
Architecture - Image

KF AEROSPACE - CENTER FOR EXCELLENCE

Roof Structure Update (GC Wood Program)







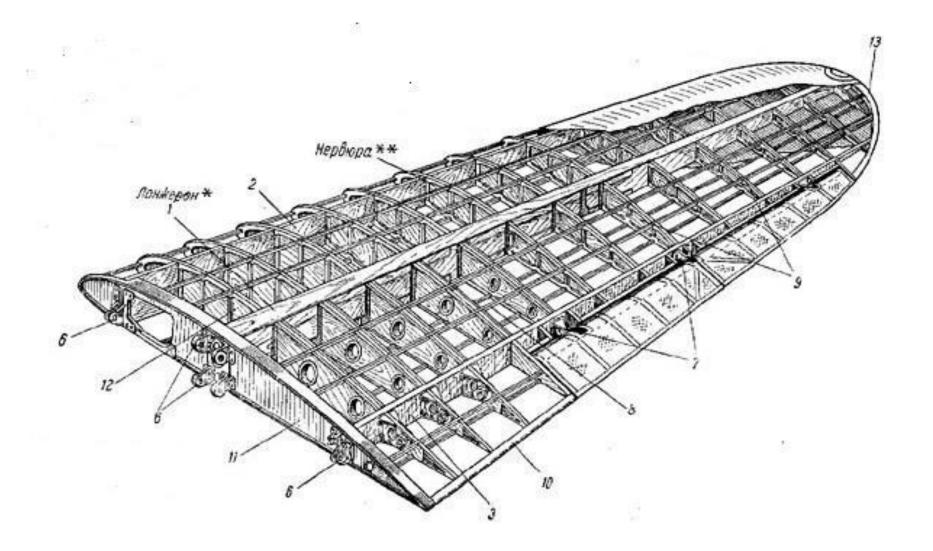
- Split axis dual weather radar scanner and wave-guide (glassfibre honeycomb radome)
- 2 First-class cabin
- 3 Cockpit windscreen panels (curved glass/ acrylic laminates)
- 4 Five-position crew flightdeck
- 5 Staircase to flightdeck and upper-deck
- 6 Passenger entry door, 42in x 76in (plug-type)
- 7 Nose undercarriage hydraulically retracted (forward)

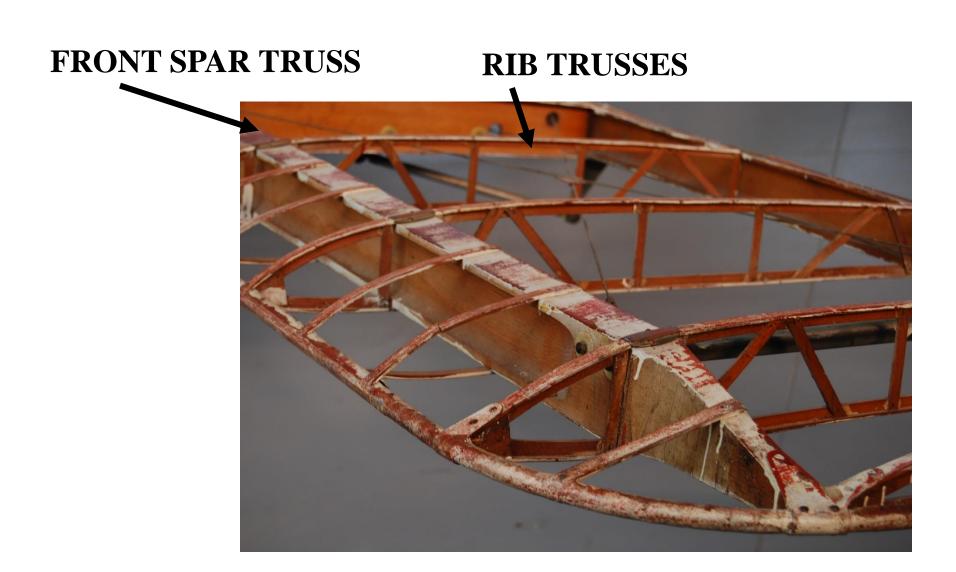
- 8 Upper-deck first-class lounge (eight seats for take-off and landing)
- 9 Toilets
- 10 Galley units
- 11 Forward belly hold (2,800ft³)
- 12 Rear belly hold (2,450ft3)
- 13 Life-raft stowage and escape rope
- 14 Aft belly hold (bulk load 1,000ft³)
- 15 Pressure dome (rear)
- 16 Tailplane centre-section (hinged to fuselage frame on rear face)

- 17 Garrett APU
- 18 Body main undercarriage, hydraulically retracted (forwards) with bogie steering (not on first prototype)
- 19 Wing main undercarriage hydraulically retracted (inwards with large angular rotation of bogie on screw hinge). Oleo-pneumatic suspension interlinked with body main undercarriage on same side
- 20 Body undercarriage bay (unpressurised)
- 21 Four-spar wing

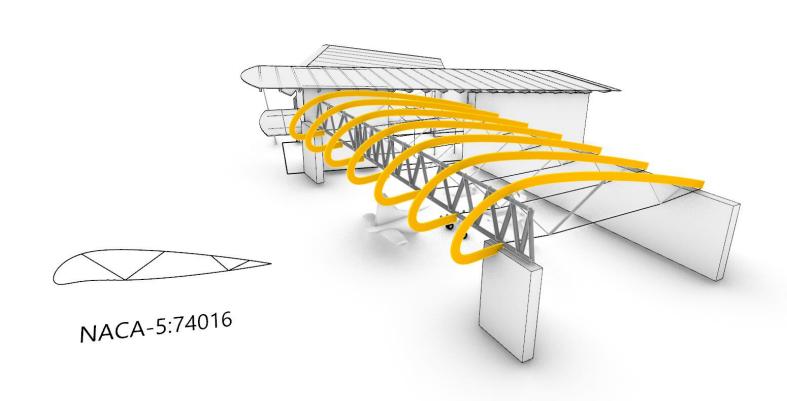
- 22 Four panel skins (top and bottom)
- 23 Pratt & Whitney JT9D-3 high by-pass twospool turbofan
- 24 Reverser cowlings
- 25 Leading-edge fixed upper structure (glassfibre honeycomb skin with light alloy support ribs and light-alloy box leading edge)
- 26 Leading-edge flap
- 27 Inner aileron
- 28 Outer aileron
- 29 Spoilers

- 30 Triple-slotted trailing-edge flaps
- 31 Fuel tank contents probes
- 32 Air conditioning packs behind wing-to-body fairing
- 33 Water tanks





Wing structure topology





Thank You!

LEVEL 1	AREA (ef)	AREA (sn)	(ATE)	PERSON PER SM	TOTAL PERSONS
HLB (non-fixed)	8,510	780		0.65	831
VEETING RM	450	42		0.95	44
RETAIL	490	46		3.7	12
OFFICE-1	94	9		P.3	1
OFFICE-2	94	9		9.3	1
HANGAR-1	15.190		1,411	46.0	31
HANGAH 2	15,190		1,411	46.0	31
	TOTAL	894	2,822		951
LEVEL 2			* ***		
HUB (non-fixed)	10.455	972		0.95	1.023

S; Occupant Loads noted above are for exit width calculations.

ONLY.

BUILDING GOOL/PANT LOAD TO BE POSTED AT 400 PERSONS MAXINUM
FOR DAILY OPERATIONS.

WASH BOOM COUNT TO BE UNSILD ON THE POSTED DOCUMENT LOAD.

DETAILED GOOL/PANT LOADS AND EXTRING CALCULATIONS TO BE
ADDRESSED BY 494. LOOS REPORT.

GROSS FLOOR AREAS

	(er)	(mr)	(ef)	(tern)	
LEVEL 1					
HUS-1			13,875	1,291	
HANGAR-1	16,100	1,496			
HANGAR-2	18,100	1,498	-		
LEVEL 2		-			
HUB-2			11,920	1,107	
TOTAL	32.200	2,991	25,795	2,398	

OCCUPANCY	GROUP A2	GROUP F2	
ARTICLE	3.2.224	3.2.275	
NO, OF STOREYS	2 STOREY	2 STOREY	
NO. OF STREETS FACING	2	2	
BUILDING AREAS:	PROPOSED	CODE MAXIMUM	2.2.2.75.(1
	4261 am (LEVEL 1)	8,000 sm (2 STOREY)	
CONSTRUCTION TYPE	NON-COMBUSTIBLE (HEAVY TIMBER)	NON-COMBUSTIBLE (HEAVY TIMBER)	
SPRINGLERED	YES		
ASSEMBLY RATINGS:		1	
FLOCR	1 HR	1 HR	
WALLS / BEARING STRUCTURE	1HR	1 HR	
ROOFS	NO RATING	NO RATING	

FIRE PROTECTION	ON:	3.2.4./ 3.2.5./ 3.2.6.		
LOCATION OF HYDRANT TO SAMESE CONNECTION	45 m MAX	3255.		
STANDPIPEMOSE	YES (IN EACH STAIR SHAFT)	3258		
SPRING ERED	YES	****		
FIRE ALARM SYSTEM	YES	3241(20)		
EXIT LIGHTS	YES			
EMERGENCY LIGHTING	YES			

REQUIRED FIRE	SEPARATIONS		3.1.3.1.
TENANTS / WAJOR OCCUPANCIES			
GROUP AZ TO PZ	2 HR	3.1.3.1.	
SERVICES ROOMS	1HR	3.6.2	
JANITORROOM	Non-Rated Fire Separation		
BUILDING FIRE S.	AFETY		
BORDT BROTHSTANK	NA ABBRINE ERECO	22216	

SOFFIT PROTECTION	N/A (EPRINKLERED)	3.7.3.16.	
FLANE SPREAD RATINGS	COMPLY WITH	3.1.13.2	
METAL DECK ASSEMBLIES	N/A	3.1.14.2	
RDOF COVERING CLASS FIGATION	CLASS "A"	3.1.16.2	
ATTIC FIRESTOPS	N/A	3.1.11.	
MAX. ATTIC AREA	N/A	3,1,11.5.	
MAX. CRAWLSPACE AREA	NA	3.1.11.6.	
CONCEALED FLOOR AREA	N/A	3.1.11.6.	



ACCESSIBILITY F	REQUIREMENT	rs	3.8.
	REQUIRED	PROVIDED	
ACCESS TO MAIN ENTRANCES	YES	YES	
ACCESS TO ALL FLOORS	YES	YES	
ACCESSIBLE WASHROOM	YES	YES	

FEMALE WC
LAV
10
3

SPATIAL SE	PARATION:		3.2.3.1.E
	EAST/WEST WALL	NORTHISOUTH WALL	
WALLAREA	Window poerings &	± 402sm max	
OPENING AREA	wall construction	c	
% PROVIDED	Limiting distance	ON.	
LIMITING DISTANCE	exceeds 15.0m or building faces a street	± 5.0m MIN.	
% PERWITTED	in cognition with	22%	
CONSTRUCTION TYPE	3.2.3.10. (2)	COMBUSTBLE	
CLADDING MATERIAL		NON-COMBUSTIBLE	
REQUIRED FATINGS	1	2 hour min (REE REPORT)	

PARKING CALCULATIONS WIDTH LENGTH HEIGHT PARKONG RATIO PARKING RATIO required (new) proposed STALL SIZE | TULL SOT STALL | 6-3" | 20m | 19-4" | 6.0m | 6-7" | 20m | 10-4" | 6.0m | 6-7" | 20m | 6-7" | 20m | 10-4" | 20m | VAN ACCESSIBLE STALL 101 - 160 STALLS FULL PARALLEL STALL | WALL | GENERAL | 1967 | 48m | 1967 | 18m | 7.7 | 22m | | WALL | SPECIAL | 1877 | 28 | 2877 | 78m | 7.7 | 22m | | WALL | SPECIAL | 1877 | 28 | 2877 | 28 | 2877 | 28 | | WALL | SPECIAL | 1877 | 28 | 28 | 28 | 28 | 28 | 28 | | WALL | SPECIAL | 1877 | 28 | 28 | 28 | 28 | 28 | | WALL | SPECIAL | 1877 | 28 | 28 | 28 | | WALL | 1877 | 28 | 28 | 28 | 28 | | WALL | 1877 | 28 | 28 | 28 | | WALL | 1877 | 28 | 28 | | WALL | 1877 | 28 | 28 | | WALL | 1877 | PARKING REQUIREMENTS: HANGARS - 1.2 LEVEL 1 HUB LEVEL 2 HUB

SINE SIZE STALL	WIDTH		LEVO	TH			
	24"	0.8m	72"	1.fm			
BIKE REQUIREMENTS:							
	LONG	LONG TERM		AREA (am)		no of stal	
	0.5 PER 1,000 are of GFA						
	(LEVI	182	REA)		5,811	5,811/1,000 X 0.5	3
	- 8					REQUIRED	3
						PROVIDED	3

PROVIDED (MN.) 26 PROVIDED 30

	ALCUI	LATIO	NS				
LOADING SIZE	WIDTH	AREA					
	3.fm	28.0em					
LOADING REQUIREMENTS:	1 per 1,000 am GFA						
			AREA (am)	8	no of stall		
	(LEVEL 1 & 2 AREA)	0,811	8,611/1,830	2.0			
	1			REQUIRED	3.0		
				PROVIDED	3.0		

DORESS	5500 LAPOINTE WAY, KELOWNA				
IGAL DESCRIPTION	LOT 4 & 0, DL 32 & 120 PLAN EPP05060				
EVELOPMENT PERMIT AREA	NA .				
GBTING ZCNING	CD-12				
IOPOBED ZONING	OD-12				
DETING LEGAL USE	PROPOSED PRINCIPAL USE "ARPORT"				
NADES	EXISTING AVERAGE - SLOPING FINISH AVERAGE - SLOPING				
MBER OF BUILDINGS	ONE				
RITERIA FOR LL TYPES OF APPLICATION:	CD-12 AIRPORT ZONING STANDARD	PROPOSAL			
TE AREA (mn)	1,000 sm	Lot 4: 12,284 sm Lot 9: 11,869 sm Total: 23,963 sm			
TE WIDTH (m)	30.0 m	137.4± m			
TE DEPTH (m)	30.0 m	100.0e m			
OFF-STREET	78 atalis	30 state			
ARKING					
OVATE OPEN SPACE	NA.				
BIGHT OF BUILDING (SIN OF STOREYS	12m / 3 alonya MAX.	±14m / 2 storays			
		DVP-1			
COVERAGE	50% max.	BUILDING FOOTPRINT	4,291 sm		
E COVERAGE INCLUDING BULDINGS,		DRIVEWAY & PARKING	5.923am		
EVENIAYS AND PARKING (%)		TOTAL	10,203en		
			42.0%		
DITIONAL REQUIREMENTS FOR IMMERCIAL, INDUSTRIAL AND ILTIPLE UNIT / INTENSIVE SIDENTIAL APPLICATIONS:	CD-12 AIRPORT ZONING STANDARD	PROPOSAL			
IMBER OF BICYCLE PARKING SPACES	3	3			
MINITE OF LOADING SPACES	3	3			
IVE AISLE WIDTH (rr)	7.0m	7.0m			
NORCAPE BUFFER Int		1.000			
(308) HT90	3.0m	3.2m			
AIH (BIND)	N/A	N/A			
ST (MEAN)	N/A	N/A			
ST (FRONT)	3.0m	0.1m			
OOR AREA NET	±15,599 am max	± 5,811 am			
AD	0.65 max.	0.011 am / 23.903			
AR		-0.23			
OOR AREA RATIO					
ILDING (S) SETBACKS (H):					
ORTH (SIDE)	4.5m	#9.1m			
(SIDE)	4.5m	16.5m			
EST (REAR) HWY 97	4.6m	#81.0m (to sign structure)			
ER! GENT HALL BY					
IST (FRONT) LAPOINTE WAY	5.0m	±19.7m (to statiossa)			





MILLCREEK FLOOD PLAIN

2020-09-10 DP

No. Bato Revision
1 2120-19-10 DFSUBMISSION

KF Aerospace Centre for Excellence







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