1	2	3	4	5

SUMMARY OF CODE REQUIREMENTS

CODE REFERENCE	REQUIREMENT		PROVIDED (WORKSCOPE)
	2018 BUILDING CODE (IBC)	2018 NFPA 101 (LSC)	
USE AND OCCUPANCY CLASSIFICATION: IBC CHAPTER 3			
OCCUPANCY CLASSIFICATION - IBC 302	STORAGE (S-1) (IBC 311.2) - HANGAR BUSINESS (B) (IBC 304)	CH. 42 - STORAGE CH. 38 - BUSINESS	STORAGE HANGAR & STORAGE BUSINESS
MIXED OCCUPANCY - IBC 508/ LSC 6.1.14	NONSEPARATED- MIXED USE	MULTIPLE - MIXED OCCUPANCY	MULTIPLE - MIXED OCCUPANCY/NONSEPARATED- MIXED USE
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCPANCY			
HANGAR CLASSIFICATION	NFPA 409 (2016 EDITION) GOVERNS	NFPA 409 (2016 EDITION) GOVERNS	GROUP II HANGAR (NFPA 409; 4.1.2)
GENERAL BUILDING HEIGHTS & AREAS - IBC CHAPTER 5			
ALLOWABLE HEIGHT - STORIES (TABLE 504.4)	-	IBC GOVERNS	-
STORAGE (S-1)	3		1 STORY
ALLOWABLE HEIGHT - FEET (TABLE 504.3)	-		
STORAGE (S-1)	75-FT		(+/-) 43'-0" HANGAR BAY
HANGAR BAY	UNLIMITED		
ALLOWABLE AREA PER STORY (TABLE 506.2)	-		-
STORAGE (S-1)	70,000-SF		APPROX. 34,434-SF
ACCESSORY OCCUPANCIES	NONE		NONE
REQUIRED SEPARATION OF OCCUPANCY	NR (IBC 508.3.3)		2-HOUR BETWEEN HANGAR AND SUPPORT AREAS (NFPA 409; 5.2.1)
TYPES OF CONSTRUCTION IBC CHAPTER 6			
TYPE OF CONSTRUCTION	TYPE II-B - NONCOMBUSTIBLE	TYPE II (000) (NFPA 5000)	TYPE II-B
FIRE RESISTANCE	**FIRE RESISTANCE**	**FIRE RESISTANCE**	**FIRE RESISTANCE**
STRUCTURAL FRAME (INCLUDING COLUMNS, GIRDERS, TRUSSES)	(0) HOURS	(0) HOURS	(0) HOURS
BEARING WALLS	-	-	-
EXTERIOR	(0) HOURS	(0) HOURS	(0) HOURS
INTERIOR	(0) HOURS	(0) HOURS	(0) HOURS
NONBEARING WALLS AND PARTITIONS	-	-	-
EXTERIOR (TABLE 602)	(0) HOURS (X ≥ 30 FEET)	(0) HOURS	(0) HOURS
INTERIOR	TABLE 601	(0) HOURS	(0) HOURS
FLOOR CONSTRUCTION	(0) HOURS	(0) HOURS	(0) HOURS
ROOF CONSTRUCTION	(0) HOURS	(0) HOURS	(0) HOURS
FIRE PROTECTION SYSTEMS			
AUTOMATIC SPRINKLER SYSTEM	NFPA 101 GOVERNS	NR (38.3.5 & 42.3.5)	REQUIRED/ PROVIDED (NFPA 409; 7.1.1(4))
STANDPIPE SYSTEM	NOT REQUIRED (SECTION 905.3)	IBC GOVERNS	NOT REQUIRED/ NOT PROVIDED
PORTABLE FIRE EXTINGUISHERS	NFPA 101 GOVERNS	R (38.3.5)	REQUIRED/ PROVIDED
FIRE ALARM & DETECTION	NFPA 101 GOVERNS	NR (38.3.4.1 & 42.3.4.1.3)	NOT REQUIRED/ PROVIDED
MEANS OF EGRESS LSC CHAPTER 7			
OCCUPANT LOAD	NFPA 101 GOVERNS	BUSINESS = 150-SF/P GROSS	BUSINESS = 150-SF/P GROSS
MAX. FLR. AREA ALLOWABLE / OCC. (TABLE 7.3.1.2)		STORAGE & HANGAR= 500-SF/P GROSS	STORAGE = 500-SF/P GROSS
TOTAL OCCUPIED AREA = 33,225-SF	SEE SHEET G-101 FOR AREA SUMMARY		
TOTAL OCCUPANT LOAD = 83 OCC	SEE SHEET G-101 FOR OCCUPANT SUMMARY		TOTAL OCCUPANT LOAD = 93 OCC
EGRESS WIDTH	NFPA 101 GOVERNS	-	-
CAPACITY FACTOR	NFPA 101 GOVERNS	-	-
LEVEL COMPONENTS	NFPA 101 GOVERNS	0.2 (38.2.3.1 & 42.2.3; TABLE 7.3.3.1)	0.2
STAIRS	NFPA 101 GOVERNS	0.3 (38.2.3.1 & 42.2.3; TABLE 7.3.3.1)	0.3
WIDTH	NFPA 101 GOVERNS	GROUND LEVEL: 0.2 X 93 OCC = 19" MIN REQ	GROUND FLOOR: 360"
NUMBER OF EXITS	-	-	-
SUPPORT AREAS	NFPA 101 GOVERNS	1 (38.2.4.3 & 42.2.4.1(2))	
HANGAR	NFPA 101 GOVERNS	MINIMUM 2 (42.6.1.1)	3 AS A RESULT OF NFPA 101; 41.6.1.2
EXIT ACCESS TRAVEL DISTANCE	NFPA 101 GOVERNS	BUSINESS = ≤300-FT (38.2.6.3) STORAGE & HANGAR = ≤400-FT (42.2.6)	163'-FT
CORRIDOR RATING	NFPA 101 GOVERNS	NR (38.3.6 & 42.3.6)	NR
DEAD ENDS	NFPA 101 GOVERNS	STORAGE = ≤100-FT (42.2.5) BUSINESS = ≤50-FT (38.2.5.2) HANGAR = ≤50-FT (42.6.3)	38 FT
COMMON PATH OF EGRESS TRAVEL	NFPA 101 GOVERNS	STORAGE & HANGAR = ≤100-FT (TABLE 42.2.5) BUSINESS = ≤100-FT (38.2.5.3.1)	38-FT
INTERIOR FINISHES	-	-	-
INTERIOR WALLS AND CEILINGS	NFPA 101 GOVERNS	CLASS B (38.3.3.2.1) IN EXIT ENCLOSURES ACCESS CORRIDORS	CLASS B
	NFPA 101 GOVERNS	CLASS C EVERYWHERE ELSE (38.3.3.2.2 & 42.3.3.2)	CLASS C
INTERIOR FLOORS	NFPA 101 GOVERNS	CLASS I OR II (38.3.3.3.2 & 42.3.3.3.1) IN EXIT ENCLOSURES	CLASS II
		NR (38.3.3.3.2 & 42.3.3.3.2) ELSEWHERE	NR
ADDITIONAL REQUIREMENTS	-	-	-
LSC - 6.2.2.3	N/A	ORDINARY HAZARD CONTENTS	ORDINARY HAZARD CONTENTS (BUSINESS AND STORAGE)
APPLICABLE CODES			
Georgia State Minimum Standard Code (International Building Code, 2018 Edition, with Georgia Amendments (2020)			
Georgia State Minimum Standard Code (International Fire Code, 2018 Edition, with Georgia Amendments (2020)			
Georgia State Minimum Standard Code (International Plumbing Code, 2018 Edition, with Georgia Amendments (2020)			
Georgia State Minimum Standard Code (International Mechanical Code, 2018 Edition, with Georgia Amendments (2020)			
Georgia State Minimum Standard Code (Fuel Gas Code, 2018 Edition, with Georgia Amendments (2020)			
Georgia State Minimum Standard Code (National Electrical Code, No Georgia Amendments			
Georgia State Minimum Standard Code (International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020)			

N/A= NOT APPLICABLE
R= REQUIRED
NR= NOT REQUIRED
NL= NO LIMITATION

*NOTES OCCUPANT LOAD MAY BE HIGHER THAN AREA DIVIDED BY OLF DUE TO ROUNDING AT EACH ROOM

COMcheck Software Version 4.1.1.0
Envelope Compliance Certificate

Project Information

Energy Code:	90.1 (2007) Standard
Project Title:	Pegasus
Location:	Atlanta, Georgia
Climate Zone:	3a
Project Type:	New Construction
Vertical Glazing / Wall Area:	4%

Construction Site:
Owner/Agent: Norfolk Southern
Designer/Contractor: Pond & Company

Building Area	Floor Area
1-Hangar (Warehouse) : Nonresidential	25200
2-Office (Office) : Nonresidential	5907

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Slab 4": Slab-On-Grade:Unheated, [Bldg. Use 2 - Office] (d)	362	---	---	0.730	0.730
Slab 8": Slab-On-Grade:Unheated, [Bldg. Use 2 - Office] (d)	720	---	---	0.730	0.730
Insulated Roof Panel System: Other Insulation Above Deck, [Bldg. Use 2 - Office] (b)	8137	---	---	0.028	0.048
Insulated Roof Panel System: Other Insulation Above Deck, [Bldg. Use 1 - Hangar] (b)	25169	---	---	0.028	0.048
NORTH					
IMP 3": Steel-Framed, 16" o.c., [Bldg. Use 2 - Office]	1671	0.0	21.0	0.042	[illegible]
8" Split Face CMU: Concrete Block:8", Solid Grouted, Normal Density, Furring: Metal, [Bldg. Use 1 - Hangar]	2031	0.0	14.1	0.059	[illegible]
HM Doors: Insulated Metal, Swinging, [Bldg. Use 1 - Hangar]	49	---	---	[illegible]	0.700
IMP 2.5": Steel-Framed, 16" o.c., [Bldg. Use 1 - Hangar]	7713	0.0	17.5	0.049	0.084
Translucent Window System: Metal Frame with Thermal Break, Perf. Specs.: Product ID Unique Translucent Window, SHGC 0.13, [Bldg. Use 1 - Hangar] (c)	192	---	---	0.160	0.650
EAST					
IMP 3": Steel-Framed, 16" o.c., [Bldg. Use 2 - Office]	1544	0.0	21.0	[illegible]	[illegible]
Integrated Windows: Metal Frame with Thermal Break, Perf. Specs.: Product ID Solarban, SHGC 0.27, [Bldg. Use 2 - Office] (c)	48	---	---	[illegible]	[illegible]
Curtain Wall: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID Solarban, SHGC 0.27, [Bldg. Use 2 - Office] (c)	498	---	---	[illegible]	0.600
HM Door: Insulated Metal, Swinging, [Bldg. Use 2 - Office]	[illegible]	---	---	0.400	0.700
Insulated Coiling Door: Insulated Metal, Non-Swinging, [Bldg. Use 2 - Office]	[illegible]	---	---	0.130	1.450
Curtain Wall Entry Doors: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID Solarban, SHGC 0.27, [Bldg. Use 2 - Office] (c)	[illegible]	---	---	0.240	0.900
SOUTH					

Project Title: Pegasus — Report date: 06/12/20
Data filename: X:\FY19\1190557\03.DISC\03.04.Arch\ComCheck\Pegasus ComCheck.cck — Page 1 of 9

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
IMP 3": Steel-Framed, 16" o.c., [Bldg. Use 2 - Office]	1556	0.0	21.0	0.042	0.084
Curtain Wall: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID Solarban, SHGC 0.27, [Bldg. Use 2 - Office] (c)	347	---	---	0.240	0.600
Integrated Windows: Metal Frame with Thermal Break, Perf. Specs.: Product ID Solarban, SHGC 0.27, [Bldg. Use 2 - Office] (c)	36	---	---	0.240	0.650
Curtain Wall Door: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Solarban, SHGC 0.27, [Bldg. Use 2 - Office] (c)	28	---	---	0.240	0.650
8" Split Face CMU: Concrete Block:8", Solid Grouted, Normal Density, Furring: Metal, [Bldg. Use 1 - Hangar]	136	0.0	14.1	0.059	0.133
HM Door: Insulated Metal, Swinging, [Bldg. Use 1 - Hangar]	24	---	---	0.400	0.700
IMP 2.5": Steel-Framed, 16" o.c., [Bldg. Use 1 - Hangar]	3544	0.0	17.5	0.049	0.084
Hangar Door System: Steel-Framed, 24" o.c., [Bldg. Use 1 - Hangar]	6282	0.0	[illegible]	0.059	0.084
WEST					
IMP 2.5": Steel-Framed, 16" o.c., [Bldg. Use 1 - Hangar]	2456	[illegible]	[illegible]	0.049	0.084
8" Split Face CMU: Concrete Block:8", Solid Grouted, Normal Density, Furring: Metal, [Bldg. Use 1 - Hangar]	[illegible]	[illegible]	14.1	0.059	0.133
HM Doors: Insulated Metal, Swinging, [Bldg. Use 1 - Hangar]	74	---	---	0.400	0.700

(a) Budget U-factors are used for software baseline calculations ONLY, [illegible] not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) Slab-On-Grade proposed and budget U-factors [illegible] table are F-factors.

Envelope PASSES: Design [illegible]% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2007) Standard requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title ____________ Signature ____________ Date ____________

Project Title: Pegasus — Report date: 06/12/20
Data filename: X:\FY19\1190557\03.DISC\03.04.Arch\ComCheck\Pegasus ComCheck.cck — Page 2 of 9

PRIVATE PLUMBING FIXTURE COUNT:
IBC CHAPTER 29, TABLE 2902.1 / BUSINESS

WATER CLOSETS:
23 MALE:
@ 1/25 FOR FIRST 50 = 1 FIXTURES REQUIRED
@ 1/50 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 4 FIXTURES PROVIDED

23 FEMALE:
@ 1/25 FOR FIRST 50 = 1 FIXTURES REQUIRED
@ 1/50 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 1 FIXTURES PROVIDED

LAVATORIES:
23 MALE:
@ 1/40 FOR FIRST 80 = 1 FIXTURES REQUIRED
@ 1/80 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 2 FIXTURES PROVIDED

23 FEMALE:
@ 1/40 FOR FIRST 80 = 1 FIXTURES REQUIRED
@ 1/80 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 1 FIXTURES PROVIDED

PUBLIC PLUMBING FIXTURE COUNT:
IBC CHAPTER 29, TABLE 2902.1 / BUSINESS

WATER CLOSETS:
19 MALE:
@ 1/25 FOR FIRST 50 = 1 FIXTURES REQUIRED
@ 1/50 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 4 FIXTURES PROVIDED

19 FEMALE:
@ 1/25 FOR FIRST 50 = 1 FIXTURES REQUIRED
@ 1/50 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 2 FIXTURES PROVIDED

LAVATORIES:
19 MALE:
@ 1/40 FOR FIRST 80 = 1 FIXTURES REQUIRED
@ 1/80 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 2 FIXTURES PROVIDED

19 FEMALE:
@ 1/40 FOR FIRST 80 = 1 FIXTURES REQUIRED
@ 1/80 FOR REMAINDER = 0 FIXTURES REQUIRED
TOTAL REQUIRED = 1 FIXTURES REQUIRED
= 2 FIXTURES PROVIDED

DRINKING FOUNTAIN:
83 OCCUPANTS @ 1/100 = 1 FIXTURES REQUIRED
= 2 FIXTURES PROVIDED
ONE (2) BI-LEVEL FIXTURES WITH BOTTLE FILLER PROVIDED

SERVICE SINK:
83 OCCUPANTS = 0 FIXTURE REQUIRED
= 1 FIXTURE PROVIDED

NORFOLK SOUTHERN

MARK	DESCRIPTION	DATE

DESIGNED BY: E. Ames
DRAWN BY: B. Litton / J. Im
CHECKED BY: K. Wlazlo-Teske
SUBMITTED BY: E. Ames
ISSUED FOR CONSTRUCTION: DD-MMM-YYYY

OWNER'S REPRESENTATIVE: KENDALL D. HEARN, AIA
OCCUPANCY CLASSIFICATION: BUSINESS (B) AND STORAGE (S1)*
TYPE OF CONSTRUCTION: TYPE II-B - NONCOMBUSTIBLE
* PER NFPA 409, A 2-HR SEPARATION IS PROVIDED BETWEEN THE HANGAR AND THE OFFICE

NORFOLK SOUTHERN CORP.
1200 PEACHTREE STREET, NE
ATLANTA, GEORGIA 30309
404-529-1230

POND
3500 Parkway Lane, Suite 500
Peachtree Corners, GA 30092
Phone (678) 336-7740
Fax (678) 336-7744
JOB NO. 1190557

CORPORATE AIRCRAFT HANGAR FOR NORFOLK SOUTHERN CORPORATION
FULTON COUNTY AIRPORT - BROWN FIELD (FTY)
3952 AVIATION CIRCLE, SUITE 200
ATLANTA, GEORGIA 30336

BUILDING CODE SUMMARY

SHEET ID
G-004

CONSTRUCTION DOCUMENTS

7/10/2020 3:28:20 AM BIM 360://1190557 - Pegasus/1190557_Pegasus_NS_Arch_CENTAL_v19_R3.rvt

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