	9 INTERNATIONAL FIRE COL	<u> </u>					
	E COUNCIL A117.1 2009 (ADA)	·					
	`	<u> </u>		JIDS CODE TON BY DEFLAGRATION VENTIN			
NATIONAL FIRE PROT	ECTION ASSOCIATION (NFPA) 69, STANDARD ON E	XPLOSION PREVENT	TION SYSTEMS			
IMMUCELL MANUFACT	JCELL MANUFACTURING PLANT - NEW BUILDING REQUIRED: ACTUAL: RECUIRED (P) / NOT						
Т	OPIC CODE SECTION	REQUIRED (R) / ALLOWED (A) / NOT REQUIRED (NR) / NOT APPLICABLE (NA)	NOT PROVIDED (NP) / PROVIDED (P) / NOT APPLICABLE (NA)	COMMENTS			
OCCUPANCY CLAS	SIFICATION						
STORAGE GROUP S-1	BC-311.2	A	Р	ALL SECOND FLOOR SPACES NOT INDICATED AS F-1 OCCUPANCY, REFER TO DRAWING G-102-B			
FACTORY INDUSTRIAL GROUP F-1	BC-306	A	Р	ALL FIRST AND SECOND FLOOR SPACES NOT INDICATED AS H OR S OCCUPANCY, REFER TO DRAWINGS G-101-B AND G-102-B			
HIGH HAZARD GROUP H-2	BC-307.4	A	Р	SOLVENT STORAGE [116], REFER TO DRAWING G-101-B			
HIGH HAZARD GROUP H-3	BC-307.5	A	P	XP PURIFICATION [127], REFER TO DRAWING G-101-B			
HIGH HAZARD GROUP H-4	BC-307.6	A	P	QUARANTINE [114], CAUSTIC/ACID STORAGE [115], REFER TO DRAWING G-101-B			
CONSTRUCTION TY	PE						
CONSTRUCTION TYPE	BC-602	R	TYPE IIB	NON-COMBUSTIBLE, UNPROTECTED			
HAZARDOUS MATE	RIAL						
CONTROL AREAS	BC-414.2	A	Р	ENTIRE BUILDING CONTROL AREA EXCLUDING H OCCUPANCIES.			
PERCENTAGE OF MAXIMUM QUANTITIES	BC-Table 414.2.2	First Floor: 100% Second Floor: 75%	P	MATERIAL QUANTITIES ARE BELOW THE MAQ.			
FIRE SEPARATION DISTANCES	BC-415.3	NR					

HEIGHT MODIFICA	USE GROUP	R∩ T	ARI E 504	ALLOWED PER	ACTL	ΙΔΙ		
	USE GROUP	BC-17	ABLE 504	BC-504	ACTO	JAL		
(C 1) CTODACE								
(S-1) STORAGE								
	HEIGHT	55		INCREASE 20' = 75'	41'-	6"		
	STORIES	2		INCREASE 1 STORY = 3 STORIES	SECC FLOOR S			
				STORE GOTORIES				
(F-1) FACTORY INDUSTRIAL								
	HEIGHT	55		INCREASE 20' = 75'	41'-6	6"		
	STORIES	2		INCREASE 1 STORY = 3 STORIES	2			
(H-2) HIGH HAZARD								
	HEIGHT	55		NA	41'-0	2"		
	STORIES	1		NA NA	FIRST F	LOOR		
	OTOTALO	'		10/	SPA	CE		
(H-3) HIGH HAZARD								
	HEIGHT	55		NA	41'-0	6"		
	STORIES	2		NA	FIRST F			
					/ "			
(H-4) HIGH HAZARD								
	HEIGHT	55	_	INCREASE 20' = 75'	41'-0			
	STORIES	3		INCREASE 1 STORY = 4 STORIES	FIRST F SPA			
AREA MODIFICAT	TIONS							
OCCUPANCY			BC-	506 ALLOWABLE AREA	A [Aa]	ACTU	AL AREA	
(S-1) STORAGE			Aa = At + (NS x If) = 64,400 SF		2,2	62 SF	
			DO TABLE	FOC O TABLE ABEA (A	NO			
			At = 52,500	506.2 TABLE AREA [At	, NSJ			
			NS = 17,50					
				FRONTAGE INCREAS	E [If]			
			F = 430'	- 0.25] W / 30 = 0.68				
			P = 460'					
			W = 30'					
(F-1) FACTORY INDUSTRIAL			Aa = At + (NS x If) = 57,040 SF		13,8	373 SF	
THE CONTRACT			BC TABLE	506.2 TABLE AREA [At	NS1			
			At = 46,500		, 110]			
			NS = 15,50					
				FRONTAGE INCREAS - 0.25] W / 30 = 0.68	E [If]			
			F = 430'	- 0.25 77 7 30 - 0.66				
			P = 460'					
			W = 30'					
(H-2) HIGH HAZARD			Aa = At + (NS x If) = 11,760 SF		18	4 SF	
				506.2 TABLE AREA [At	NS1			
			At = 7,000		, 140]			
			NS = 7,000	SF				
				FRONTAGE INCREAS - 0.25] W / 30 = 0.68	E [If]			
			F = 430'					
			P = 460'					
			W = 30'					
(H-3) HIGH HAZARD			Aa = At + (NS x If) = 23,520 SF		57	0 SF	
			BC-TARI F	506.2 TABLE AREA [At	. NS1			
			At = 14,000		, _			
			NS = 14,00					
				FRONTAGE INCREAS - 0.25] W / 30 = 0.68	E [If]			
			F = 430'					
			P = 460'					
			W = 30'					
(H-4) HIGH HAZARD			Aa = At + (NS x If) = 64,400 SF		27	7 SF	
			BC-TARI F	506.2 TABLE ARFA (A)	, NS1			
			At = 52,500		, 			
			NS = 17,50					
				FRONTAGE INCREAS	E [If]			
			F = 430'	0.20 1 17 / 00 - 0.00				
H-4) HIGH HAZARD			Aa = At + (I BC-TABLE At = 52,500 NS = 17,50 BC-506.3.3 If = [F / P -	506.2 TABLE AREA [At) SF 00 SF		27	77 SF	

INCIDENTAL USE		BC-509			
AREAS					
	BOILER ROOM WITH EQUIPMENT > 15 PSI AND 10 HP	BC-TABLE 509	1 HR OR AUTOMATIC FIRE-EXTINGUISHING	AUTOMATIC SPRINKLER SYSTEM	
	REFRIGERANT MACHINE ROOMS	BC-TABLE 509	1 HR OR AUTOMATIC SPRINKLE SYSTEM	AUTOMATIC SPRINKLER SYSTEM	
	STORAGE ROOMS OVER 100 SF	BC-TABLE 509	1 HR OR AUTOMATIC FIRE-EXTINGUISHING	AUTOMATIC SPRINKLER SYSTEM	
ACCESSORY OCCUPANCIES		BC-508.2			
	STORAGE AREAS		AREA < 10%	4.80%	
SEPARATED OCCUPANCIES		BC-TABLE 508.4		RATIO < 1	
	STORAGE GROUP S-1 AND FACTORY AND INDUSTRIAL GROUP F-1		NR	0 HRS	
	STORAGE GROUP S-1 AND HIGH HAZARD H-4		1 HR	1 HR	
	FACTORY AND INDUSTRIAL GROUP F-1 AND HIGH HAZARD H-2		2 HRS	2 HRS	
	FACTORY AND INDUSTRIAL GROUP F-1 AND HIGH HAZARD H-3		1 HR	1 HR	
	FACTORY AND INDUSTRIAL GROUP F-1 AND HIGH HAZARD H-4		1 HR	1 HR	
ALLOWABLE AREAS		BC-508.4.2			
		ALLOWABLE AREA [Aa]	ACTUAL AREAS	RATIO	
	STORAGE GROUP S-2	64,400 SF	2,262 SF	0.04	
	FACTORY AND INDUSTRIAL GROUP F-1)	57,040 SF	13,873 SF	0.24	
	HIGH HAZARD GROUP H-2	11,760 SF	184 SF	0.02	
	HIGH HAZARD GROUP H-3	23,520 SF	570 SF	0.02	
	HIGH HAZARD GROUP H-4	64,400 SF	277 SF	0.004	0.324 < 1 ◀ OK
CONSTRUCTION F	FIRE-RESISTANCE-F	RATED CONSTRUC	CTION		
BUILDING ELEMENTS					
	EXTERIOR WALL	BC-TABLE 602 SEPARATION DISTANCE	0	0	DISTANCE LESS THAN 30'
	FLOOR CONSTRUCTION	BC-TABLE 601	0	0 HR AND1 HR	AT SEPARATION OF OCCUPANCIES.
	ROOF CONSTRUCTION	BC -TABLE 601	0	0	
EXTERIOR WALL OPENINGS		BC-TABLE 704.8	UNPROTECTED	UNPROTECTED	BC-705.8 AUTOMATION SPRINKLER SYSTEM NO LIMIT
FIRE BARRIERS (HOURS)					
· 	ENCLOSED EXIT	BC-1020	0	1	
	STAIRWAYS OCCUPANCY	BC-1020 BC-TABLE 508.3.3	R	P	
	SEPARATION FIRE STOPPING AT	BC-712	R	Р	_
	PENETRATIONS	23,12	IX.	1	
	FIRE-RESISTANT JOINT SYSTEMS	BC-713	R	Р	-
	FIRE-RESISTANT JOINT SYSTEMS OPENING PROTECTIVE	BC-713 BC-715	R R	P	-

SPRINKLER SYSTEM		BC-903.2.5	REQUIRED H OCCUPANCIES	ENTIRE BUILDING PROTECTED	
ALTERNATIVE FIRE EXTINGUISHING SYSTEM		BC-904	A	P	
PORTABLE FIRE EXTINGUISHERS		FC-906.1	R	Р	
FIRE ALARM SYSTEMS		BC-907	R	P	
MEANS OF EGRES	SS	1			
OCCUPANCY LOAD		BC-TABLE 1004.1.2			
STORAGE/ MECHANICAL EQUIPMENT SPACES	300 SF PER OCCUPANT	3746 SF	13 OCCUPANTS		
INDUSTRIAL AREAS	100 SF PER OCCUPANT	3662 SF	37 OCCUPANTS		
LOCKER ROOMS	50 SF PER	84 SF	2 OCCUPANTS		
	OCCUPANT	FIRST FLOOR	52 OCCUPANTS	26 MALE	26 FEMALE
		OCCUPANCY LOAD	32 00001 AIV10	20 WALL	ZOT LWALL
SECOND FLOOR STORAGE/ MECHANICAL EQUIPMENT SPACES	300 SF PER OCCUPANT	5007 SF	17 OCCUPANTS		
BUSINESS	100 SF PER OCCUPANT	931 SF	10 OCCUPANTS		
		SECOND FLOOR	27 OCCUPANTS	14 MALE	14 FEMALE
	<u> </u>	OCCUPANCY LOAD			
	<u> </u>		TOTAL OCCUPANTS	40 MALE	40 FEMALE
STAIRS		BC-1009			
	WIDTH	BC-1011.2	36" WITH < 50 OCCUPANTS)	42"	
	TREADS	BC-1011.5.2	MIN. 11"	11"	
	RISERS	BC-1011.5.2	MIN. 4" - MAX. 7"	BETWEEN 6" & 7"	
HANDRAILS		BC-1014			
	HEIGHTS	BC-1014.2	34" - 38"	36"	
GUARDS		BC-1015			
	HEIGHTS	BC-1015.3	MIN 42"	42"	
	OPENING LIMITATIONS	BC-1015.4	4" SPHERE 21" SPHERE	4" @ MEANS OF EGRESS 21" @ EQUIPMENT ACCESS	
EXIT ACCESS		BC-1016		7100200	
	EGRESS THROUGH INTERVENING SPACES	BC-1016.2	А	PROVIDED THROUGH LOWER HAZARD SPACES	
	COMMON PATH OF TRAVEL	BC-TABLE 1006.2.1	S-1: 100' F-1: 100' H-2: 25' H-3: 25' H-4: 75'	REFER TO DRAWINGS	100' ALLOWED BA ON SPRINKLER SY
	EXIT ACCESS TRAVEL DISTANCE	BC-TABLE 1017.2	S-1: 250' F-1: 250' H-2: 100' H-3: 150' H-4: 175'	REFER TO DRAWINGS	
PLUMBING FIXTU	 RES		11-4. 170		
WATER CLOSETS		PC-TABLE 403.1			
I		4 DED 05 FOD			
	MALE	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50	2	3	
	MALE	THE FIRST 50 AND 1 PER 50 FOR THE REMAINING	2	3	
LAVATORIES		THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINING			
		THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINING			
	FEMALE	THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING	2	3	
	FEMALE	THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING EXCEEDING 80 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING EXCEEDING 80 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING	1	3	
DRINKING	FEMALE	THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINING EXCEEDING 50 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING EXCEEDING 80 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING EXCEEDING 80 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINING EXCEEDING 80	1	3	



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Lot 11 - Second Tee Business Park 1039 Riverside Street Portland, Maine 04103 Consultants

O INTERIOR FIT OUT - ISSUED FOR JLB KJM 08/19/2016
CONSTRUCTION

Revision

By Appd MM.DD.YYYY
 PACKAGE C - INTERIOR FIT-OUT
 08.19.2016

 PACKAGE B - SUPERSTRUCTURE & SHELL
 08.05.2016

 PACKAGE A - FOUNDATIONS & BELOW SLAB
 07.22.2016

 Issued
 By
 Appd
 MM.DD.YYYY



Client/Project **IMMUCELL**

Lot 11 - Second Tee Business Park 1039 Riverside Street Portland, Maine 04103
Title

CODE SUMMARY

Project No. Scale 12" = 1'-0"

ORIGINAL SHEET - ANSI E (34"x44")

191504176