IEEC 2003 COMPLIANCE CHART-BUILDING AREAS BUILDING AREAS

System	Zone Room	Dup	ber of licate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
Altern	ative 1													
	Level 1 - Baggage EDS	1	1	16,140	16,140	4,080	0	0	0	0	0	0	0	3,519
	Level 2 - Circulation & Atrium	1	1	4,971	4,971	0	0	0	0	4,971	7,957	86	0	1,296
	Level 1 - Baggage ETD	1	1	2,640	2,640	3,200	0	0	0	0	0	0	0	759
	Level 3 - Bridge	1	1	4,025	4,025	0	0	0	0	4,025	1,528	59	0	1,083
	Level 3 - Escalators/Elevators	1	1	2,365	2,365	0	0	0	0	2,365	1,045	83	0	208
	Level 3 - Screening Rooms	1	1	142	142	0	0	0	0	142	0	0	0	0
_	Level 3 - Queue	1	1	13,235	13,235	0	0	0	0	13,235	4,244	93	0	336
	Level 3 - Security	1	1	6,085	6,085	0	0	0	0	6,085	1,416	100	0	0
	Level 3 - Security Exit	1	1	6,645	6,645	0	0	0	0	6,645	1,119	99	0	15
	Level 3 - Security Operations	1	1	342	342	0	0	0	0	342	0	0	0	0
	Level 3 - Office	1	1	2,375	2,375	0	0	0	0	2,375	0	0	0	365
AHU-1		72-			58,965	7,280	0	0	0	40,185	17,309	70	0	7,581
	Level 2 - Circulation	1	1	6,282	6,282	0	0	0	0	6,282	0	0	0	0
	Level 2 - Concessions/Seating	1	1	2,860	2,860	0	0	0	0	0	0	0	0	0
	Level 2 - Concessions West	1	1	2,097	2,097	0	0	0	0	1,215	0	0	0	0
	Level 2 - International Corridor	1	1	3,512	3,512	0	0	0	0	675	0	0	0	0
	Level 2 - NW Holdrooms	1	1	1,833	1,833	0	0	0	0	1,833	0	0	0	0
	Level 2 - S Holdrooms	1	1	5,033	5,033	0	0	0	0	5,033	1,649	65	0	875
	Level 2 - SW Holdrooms	1	1	8,535	8,535	0	0	0	0	8,535	2,061	65	0	1,094
	Level 2 - Concessions Storage	1	1	1,147	1,147	0	0	0	0	1,147	0	0	0	312
	Level 2 - Concessions Central	1	1	491	491	0	0	0	0	0	0	0	0	0
	Level 2 - Concessions East	1	1	846	846	0	0	0	0	846	0	0	0	0
	Level 1 - Ticketing Counters	1	1	2,200	2,200	0	0	0	0	0	0	0	0	120
	Level 1 - Ticketing Hall NE	1	1	7,600	7,600	0	0	0	0	0	2,206	100	0	0 765
	Level 1 - Ticketing Hall NW	1	1	4,215	4,215	0	0	0	0	4,215	4,697	86	0	
	Level 1 - Ticketing Offices	1	1	5,800	5,800	880	0	0	0	0	0	0	0	278
	Level 1 - Escalators/Elevators Level 1 - IDF Closet	1	1	5,120 235	5,120 235	0	0	0	0	0	970 0	81	0	228 0
	Level 2 - Sterile Corridor	1	1	789	789	0	0	0	0	0 789	919	0 65	0	488
AHU-2	Level 2 - Sterile Corridor	3		709	58,595	880	0	0	0	30,570	12,503	75	0	4,160
A110-2	Level 1 - Baggage Make-Up	1	1	16,000	16,000	0	0	0	0	0	0	0	0	4,818
Infrared		3.1		10,000	16,000	0	0	0	0	0	0	0	0	4,818
iiiiaieu	Level 1 - Curbside Check-in	1	1	450	450	0	0	0	0	450	0	0	0	432
Curbside	e Unit Heater			400	450	0	0	0	0	450	0	0	0	432
Ourbaide	Level 1 - BHS Manual Sortation	1	1	30	30	0	0	0	0	0	0	0	0	0
	Level 3 - Elev Machine Room	1	1	69	69	0	0	0	0	69	0	0	0	0
	Level 3 - Telcom Room	1	1	101	101	0	0	0	0	101	0	0	0	0
	Level 1 - Restrooms	1	1	910	910	0	0	0	0	0	0	0	0	0
	Level 2 - Electrical Closet	1	1	215	215	0	0	0	0	215	0	0	0	0
	Level 2 - IT Closet	1	1	300	300	0	0	0	0	300	0	0	0	0
	Level 2 - Restrooms	1	1	1,810	1,810	0	0	0	0	0	0	0	0	0
AC-1	25.5.2 11000001110): *	1,0,0	3,435	0	0	0	0	685	0	0	0	0
	Level 2 - Fixed Link (short)	1	1	565	565	0	0	0	0	565	0	0	0	629
	Level 2 - Fixed Link (long)	1	1	1,500	1,500	0	0	0	0	1,500	0	0	0	2,477
	nk FTR	38	- 17	1,500	2,065	0	0	0	0	2,065	0	•	0	3,106

Total building Wall Area: 49,908 ft²

Building Total Window %: 59.7%

IEEC 2003 COMPLIANCE CHART-BUILDING U-FACTORS

Total building Window Area: 29,811 ft²

				Ву	Amec Inc.								
				ROOM U-FACTORS			Btu/h·ft².°F						Room
		Internal	Exposed	Summer	Winter	T. J. O. T.	Summer	Winter	External			Mass	Capacitance
Description	Partition	Door	Floor	Skylight	Skylight	Roof	Window	Window	Door	Wall	Ceiling	lb/ft²	Btu/lb·°F
Alternative 1													
Level 1 - Baggage EDS - Zone	0.388	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.317	20.3	4.8
Level 2 - Circulation & Atrium - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.260	0.260	0.000	0.035	0.317	28.6	10.9
Level 1 - Baggage ETD - Zone	0.388	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.317	34.0	8.1
Level 3 - Bridge - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.270	0.271	0.000	0.035	0.317	28.7	11.0
Level 3 - Escalators/Elevators - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.260	0.260	0.000	0.035	0.317	28.6	10.4
Level 3 - Screening Rooms - Zone	0.000	0.000	0.074	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	25.9	9.3
Level 3 - Queue - Zone	0.000	0.000	0.074	0.000	0.000	0.035	0.260	0.260	0.000	0.035	0.317	26.2	9.5
Level 3 - Security - Zone	0.000	0.000	0.074	0.000	0.000	0.036	0.270	0.271	0.000	0.000	0.317	25.9	9.3
Level 3 - Security Exit - Zone	0.000	0.000	0.074	0.000	0.000	0.036	0.270	0.271	0.000	0.035	0.317	25.9	9.4
Level 3 - Security Operations - Zone	0.000	0.000	0.074	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	25.9	9.3
Level 3 - Office - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.035	0.317	29.4	10.8
AHU-1 - System	0.388	0.000	0.074	0.000	0.000	0.035	0.262	0.263	0.000	0.035	0.317	25.5	8.4
Level 2 - Circulation - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.000	0.317	27.5	9.8
Level 2 - Concessions/Seating - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Level 2 - Concessions West - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	20.3	6.5
Level 2 - International Corridor - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.000	0.317	17.7	4.5
Level 2 - NW Holdrooms - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	25.4	9.2
Level 2 - S Holdrooms - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.260	0.260	0.000	0.035	0.317	27.5	10.4
Level 2 - SW Holdrooms - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.260	0.260	0.000	0.035	0.317	27.0	10.1
Level 2 - Concessions Storage - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.035	0.317	30.8	11.6
Level 2 - Concessions Central - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Level 2 - Concessions East - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	25.4	9.2
Level 1 - Ticketing Counters - Zone	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.317	14.0	3.0
Level 1 - Ticketing Hall NE - Zone	0.000	0.000	0.080	0.000	0.000	0.000	0.280	0.281	0.000	0.000	0.317	13.3	2.7
Level 1 - Ticketing Hall NW - Zone	0.000	0.000	0.080	0.000	0.000	0.036	0.260	0.260	0.000	0.035	0.317	27.6	10.4
Level 1 - Ticketing Offices - Zone	0.388	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.317	17.8	3.9
Level 1 - Escalators/Elevators - Zone	0.000	0.000	0.080	0.000	0.000	0.000	0.260	0.260	0.000	0.035	0.317	15.9	3.5
Level 1 - IDF Closet - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Level 2 - Sterile Corridor - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.260	0.260	0.000	0.035	0.317	32.9	13.3
AHU-2 - System	0.388	0.000	0.080	0.000	0.000	0.036	0.264	0.264	0.000	0.035	0.317	21.5	6.8
Level 1 - Baggage Make-Up - Zone	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.317	22.8	5.3
Infrared Heaters - System	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.317	22.8	5.3
Level 1 - Curbside Check-in - Zone	0.000	0.000	0.080	0.000	0.000	0.035	0.000	0.000	0.000	0.080	0.317	82.3	20.7
Curbside Unit Heater - System	0.000	0.000	0.080	0.000	0.000	0.035	0.000	0.000	0.000	0.080	0.317	82.3	20.7
Level 1 - BHS Manual Sortation - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Level 3 - Elev Machine Room - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	25.4	9.2
Level 3 - Telcom Room - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	25.4	9.2
Level 1 - Restrooms - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Level 2 - Electrical Closet - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.000	0.317	27.5	9.8
Level 2 - IT Closet - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.000	0.317	27.5	9.8
Level 2 - Restrooms - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
AC-1 - System	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	16.1	4.1
Level 2 - Fixed Link (short) - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.000	0.317	38.9	16.5
		0.000						0.000	0.000	0.035		45.4	
Level 2 - Fixed Link (long) - Zone	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000	0.000	0.035	0.317	45.4	20.1

Overall U-Factors Overall Thermal Transfer Values 0.035 Btu/h·ft2.°F 0.96 Btu/hr·ft2 Wall (OTTVw) 29.10 Btu/hr·ft² 0.177 Btu/h·ft²·°F 0.091 Btu/h·ft2.°F

0.000 0.000 0.000 0.000 0.000 0.000 0.035 0.000 0.000 0.000 0.035 0.317 43.6 19.1

IEEC 2003 COMPLIANCE- SUMMARY

Fixed Link FTR - System

	\wedge		
Component	ASHRAE coefficient	Maximum coefficient from building model	ASHRAE compliant
Roof	0.063	0.036	Yes
Walls	0.084	0.080	Yes
Windows	0.46	0.281	Yes
Suspended Floor Slabs	0.087	0.080	Yes
Floor Slabs on Grade	0.84	0.080	Yes

FINISH NOTES

. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

2. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF $\,$ NEW FINISHES.

3. PROVIDE STRAIGHT, FLUSH RESILIENT BASE AT CARPETED AREAS,AND COVED, TOP SET RESILIENT BASE AT RESILIENT FLOORING, UNLESS OTHERWISE NOTED.

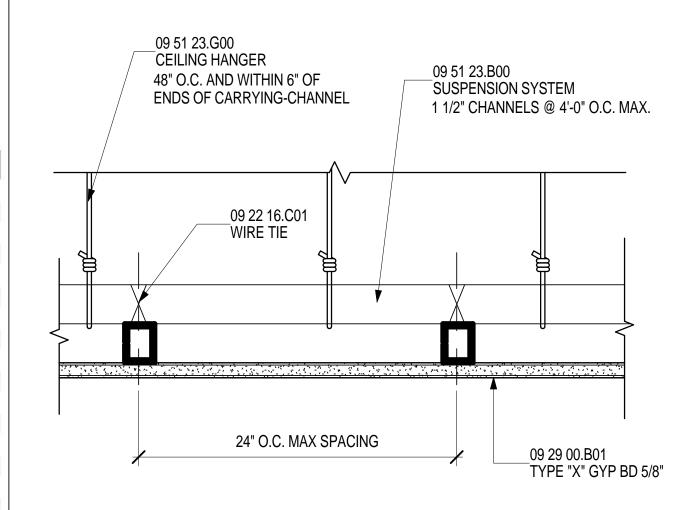
REFLECTED CEILING NOTES

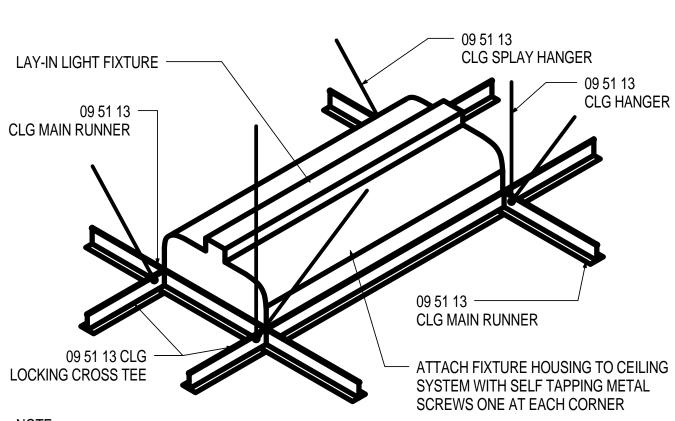
1. DESIGN SUSPENDED CEILING FRAMING SYSTEMS TO RESIST A LATERAL FORCE OF 20 % OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM. USE A MINIMUM CEILING WEIGHT OF 5 POUNDS PER SQUARE FOOT TO DETERMINE THE LATERAL FORCE.

2. WHERE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHODS MAY BE EMPLOYED:

- A. PROVIDE LATERAL SUPPORT BY FOUR WIRES OF MINIMUM NO. 12 GAUGE SPLAYED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. PROVIDE THESE LATERAL SUPPORT POINTS 12 FEET ON CENTER IN EACH DIRECTION, WITH THE FIRST POINT WITHIN 4' FROM EACH
- B. ALLOW FOR LATERAL MOVEMENT OF THE SYSTEM. ATTACH MAIN RUNNERS AND CROSS RUNNERS AT TWO ADJACENT WALLS; MAINTAIN CLEARANCE BETWEEN THE WALL AND THE RUNNERS AT THE OTHER TWO WALLS.
- C. PROVIDE VERTICAL SUPPORT AS REQUIRED IN BUILDING CODES. IN ADDITION, VERTICALLY SUPPORT ENDS OF RUNNERS WITHIN 8" OF DISCONTINUITIES SUCH AS MAY OCCUR WHERE THE CEILING IS INTERRUPTED BY A WALL.
- D. SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY BY WIRES TO THE STRUCTURE
- 3. LOCATE REGISTERS AND LIGHTING FIXTURES WITHIN GRID LINES. CENTER SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND SIMILAR CEILING ELEMENTS IN ACOUSTICAL UNITS, UNLESS OTHERWISE NOTED.
- 4. FINISH HVAC DIFFUSERS, DRAPERY POCKETS, AND SPEAKER GRILLES TO MATCH ADJACENT FINISH, UNLESS OTHERWISE NOTED.

TYPICAL CEILING DETAILS





LATERAL BRACING FOR SUSPENDED CEILING MUST BE PROVIDED PER UBC REQUIREMENTS WHERE LOADS ARE LESS THAN 5# PER FOOT & NOT SUPPORTING INTERIOR PARTITIONS. CEILING BRACING SHALL BE PROVIDED BY FOUR No 12 GAUGE WIRES SECURED TO THE MAIN RUNNER INTERSECTION AND SPLAYED 90° FROM THE PLANE OF THE CEILING. THESE HORIZONTAL RESTRAINT POINTS SHALL BE IN BOTH DIRECTIONS. WITH THE FIRST POINT WITHIN 4'-0" FROM EACH WALL. ATTACHMENT OF THE RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED. INSTALL TWO ADDITIONAL WIRES AT OPPOSITE CORNERS (MAY BE SLACK) OF LIGHT FIXTURE HOUSING AND ATTACHMENT OF CEILING REGISTERS WITH SAME.

LIGHT FIXTURE INSTALLATION

GYPSUM BOARD CEILING TYPICAL

POWER & COMM NOTES

PRIOR TO CORING SLAB, REVIEW LOCATIONS WITH ARCHITECT AND COORDINATE LOCATIONS WITH OWNER.

. COORDINATE INSTALLATION OF TELECOMMUNICATIONS. DATA AND SECURITY SYSTEMS.

. VERIFY EQUIPMENT SPECIFICATIONS. POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.

. VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.

. GANG ADJACENT LIGHT SWITCHES AND COVER WITH A SINGLE PLATE.

- I. PROVIDE LIGHT SWITCHING IN CONFORMANCE WITH TITLE 24 REQUIREMENTS. FOR ROOMS OR AREAS GREATER THAN 100 SQUARE FEET PROVIDE DOUBLE SWITCHES WITH EACH SWITCH CONTROLLING 50% OF LAMPS PER FIXTURE.
- . MOUNT STANDARD WALL OUTLETS, SWITCHES AND THERMOSTATS AT HEIGHTS REQUIRED BY TITLE 24 AND ADA GUIDELINES, UNLESS OTHERWISE NOTED. SEQUENCE OF INSTALLATION WHEN THERMOSTATS AND LIGHT SWITCH OCCUR TOGETHER,
- ABOVE FINISHED FLOOR. INDICATED DIMENSIONS ARE TO THE CENTER LINE OF OUTLET OR SWITCH, OR CLUSTER OF OUTLETS OR SWITCHES, UNLESS OTHERWISE NOTED.

INSTALL BOTH ALIGNED HORIZONTALLY WITH CENTER LINE AT +3'-2"

- . INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD
-). PROVIDE MATCHING COVER PLATES. RECEPTACLES AND RELATED ITEMS. PROVIDE ONE-PIECE TYPE GANG COVER PLATES, UNLESS OTHERWISE NOTED. . IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED. DOT.

ACCESSIBILITY NOTES

SHALL BE NOT LESS THAN 44" IN WIDTH.

CAVITIES. DO NOT INSTALL BACK-TO-BACK.

1. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS LIFTS.

FLOOR SURFACES SHALL BE SLIP-RESISTANT. 3. EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE

4. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN 1:2

LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.

6. CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE THE FLOOR.

MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.

B. THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10* HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.

9. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".

0. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.

1. IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING

2. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA \ SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. 3. FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

14. TO ALERT THE VISUALLY IMPAIRED. MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR WITH A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE, PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR.

5. CENTER ELECTRICAL RECEPTACLE OUTLETS NOT LESS THAN 15" ABOVE THE $\,$ FLOOR OR WORKING PLATFORM.

16. SANITARY FACILITIES LOCATED ON AN ACCESSIBLE FLOOR OF A BUILDINGSHALL BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED.

7. ENTRY TO SANITARY FACILITIES: A. 44" CLEAR AISLES OR CORRIDORS WHERE OCCUPANT LOAD IS 10 OR MORE. B. DOORWAYS TO HAVE A 32" CLEAR OPENING. C. ON APPROACH SIDE, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS TOWARD APPROACH AND 44" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH.

8. TOILET ROOM ACCESSORIES A. MOUNT BOTTOM EDGE OF MIRRORS NO HIGHER THAN 40" FROM THE FLOOR. B. MOUNT TOILET TISSUE DISPENSERS WITHIN 12" FROM THE FRONT EDGE OF THE TOILET SEAT. C. MOUNT DISPENSING AND DISPOSAL FIXTURES (TOWEL, SANITARY NAPKINS,

WASTE, COIN SLOTS, ETC.) WITH OPERATING PARTS NO HIGHER THAN 40"

19. SINGLE ACCOMMODATION TOILET FACILITY A. WATER CLOSET TO HAVE A 28" CLEARANCE FROM A FIXTURE AND 32" FROM A WALL. B. MINIMUM CLEAR SPACE IN FRONT OF WATER CLOSET TO BE 48". C. A SPACE 36" X 48" IS PERMITTED IN FRONT OF EXISTING WATER CLOSET ACCESSIBLE TO THE HANDICAPPED. 20. THE HEIGHT OF THE WATER CLOSET

(TOP OF SEAT) SHALL BE BETWEEN 17" AND 19"

FROM THE FLOOR.

20. MOUNT FLUSH VALVE CONTROL NO MORE THAN 44" ABOVE THE FLOOR. ON THE SIDE OF THE TOILET WITH THE GREATEST SEPARATION FROM ADJACENT WALL OR OTHE

21. PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET. A. GRAB BARS TO BE 33" ABOVE AND PARALLEL TO THE FLOOR. B. SIDE BARS TO BE 42" LONG AND PROJECT 24" IN FRONT OF WATER CLOSET STOOL, GRAB BAR AT BACK TO BE 36" `LONG.

C. DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2". D. PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND WALL. E. GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.)

SHALL SUPPORT A 250 POUND LOAD. F. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. G. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.

H. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8". 22. PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.

23. MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 8" MINIMUM WIDTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY.

24. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN

25. INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.

FOR AT LEAST 10 SECONDS.

GENERAL NOTES

FUNCTIONS AND OCCUPANTS.

- COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK. 2. OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK. REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR
- OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION. 4. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT

ABBREVIATIONS

ACCESSORY

ALUMINUM

ALTERNATE

ANODIZED

APPLIANCE

AUTOMATIC

AVERAGE AND

BOLLARD

BLOCKING

BUILT UP

BROADLOOM

CEMENT(ITIOUS

CEILING

COATING

COILING

DOUBLE

DETAIL

DEPARTMENT

DRINKING FOUNTAIN

DOLLAR (US CURRENCY)

DESIGN(ED)

DIAMETER

DIFFUSER

DIMENSION

DISPENSER

DISCONNECT

ELASTOMERIC

EMBEDD(ED)(ING

ENGINEER(ED)

ELECTRICAL

ENTRANCE

EQUIPMENT

EXISTING

EXPANSION

EXTERIOR

EXISTING

FABRICATION

FIREPLACE

FIREPLACE

FRAMING

FIXTURE

FLOOR(ING)

FURNITURE

PLASTER

GYPSUM

HARDWOOD

HARDWARE

HOLLOW METAL

HORIZONTAL

CONDITIONING

INFORMATION

INSULATION

INTERIOR

JANITOR

INTERLOCK(ING)

INFILTRATION

INSTRUMENT(ATION)

GRAD(E)(ING)

FABRIC WALL COVERING

GLASS FIBER REINFORCED

GLASS FIBER REINFORCED

GLASS FIBER REINFORCED

HEATING, VENTILATING, AND AIR

FLOOR DRAIN

FIRE EXTINGUISHER

FIRE HOSE CABINET

FIRE EXTINGUISHER AND

DRAWER

DIVISION

DOWN

DOOR

CONCRETE

CONSTRUCTION

CONTRACT(OR)

CONTINUOUS(ATION)

CONCRETE MASONRY UNIT

BOARD

ANNUNCIATOR

ARCHITECT(URAL

ACOUSTIC(AL)

ABOVE FINISHED FLOOR

KITCHEN

LAVATORY

BRITISH POUND

(CURRENCY)

POUND

LIGHT

LEVELING

LOUVER

MAXIMUM

METAL

MECH

MEZZ

MLWK

MOIST

MOT

MTD

NTS

OPNG

PEDTR

PLAS

PLSTC

RDR

RECES

RECPT

REFR

REQD

RESIS

REINF

RESIL

SECUR

SHORG

STRFR

STRUCT

SUSP

TRANS

TRTD

UNDRLAY

WTRPRF

UTIL

UON

SYSTEM(S)

PLYWD

PRTECN

MANUFACTURED

MANUFACTURER

MECHANICAL

MEMBRANE

MEZZANINE

MINIMUM

MILLWORK

MOISTURE

MOUNTED

NUMBER

MOTOR(IZED)

NOT IN CONTRACT

NOT TO SCALE

ORNAMENTAL

OVERFLOW

OVERHEAD

OPENING(S)

OPPOSITE HAND

OPERABLE

PARTITION

PANEL

PEDESTRIAN

POLYSTYRENE

PREFINISHED

PREFABRICATED

PLASTIC LAMINATE

PORTLAND WESTBROOK

PORTABLE

PLASTER

PLASTIC

PLYWOOD

MUNICIPAL

READER RECESSED

RECEPTACLE

REFER(ENCE)

REFRIGERATOR

RESIST(ANT)(IVE)

REINFORCE(D)(ING)(MENT)

REFLECTED

REQUIRED

RESILIENT

ROOFING

ROOM

ROUGH

SCRIBE

SINGLE

SECURITY

SHORING

STANDARD

STOREFRONT

STRUCTURAL

SURFACE

SUSPENDED

SYS

THICK

TOILET

TOP OF STEEL

TRANSPARENT

UNDERLAYMENT

TONGUE AND GROOVE

UNLESS OTHERWISE NOTED

TRAFFIC

TREATED

TYPICAL

UTILITY

VEHICLE

WITH

WOOD

WINDOW

WITHOUT

WEIGHT

VERTICAL

VERIFY IN FIELD

WATER CLOSET

WATERPROOFING

SIMILAR

STEEL

SQUARE FEET

STAINLESS STEEL

PROTECTION

PARTICLE BOARD

MISCELLANEOUS

ACCES

ACOUS

ANOD

ARCH

AUTO

BOLLD

BLKG

CEM

CER

COATG

COILG

CONC

CONT

CMU

DEPT

DISP

ELEC

ENGR

ENTR

EQUIP

EXIST

EXP

EXPS

EXT

FLDG

FPLC

FRMG

FXD

FXTR

FURN

HDWD

HDWE

HORIZ

INSTRUM

INSUL

INTLK

INFILTR

CONSTR

CONTR

BRDLM

- FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION. 5. COORDINATE WORK WITH THE OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING
- 6. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY
- 7. COORDINATE TELECOMMUNICATIONS, DATA AND SECURITY SYSTEM INSTALLATIONS.
- 8. MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.
- 9. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE 10. MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION.
- COORDINATE WITH TENANT AND LANDLORD TO ENSURE SECURITY. 11. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF
- CONFLICT, CONSULT THE ARCHITECT 12. PARTITIONS ARE DIMENSIONED FROM

FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS

- MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHES. B. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS
- 14. WHERE EXISTING ACCESS PANELS CONFLICT WITH CONSTRUCTION, RELOCATE PANELS TO ALIGN WITH AND FIT WITHIN NEW 15. UNDERCUT DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4 INCH, UNLESS OTHERWISE NOTED

DEMOLITION NOTES

. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.

. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.

. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.

4. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO COST TO THE OWNER.

5. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.

6. REMOVE DESIGNATED PARTITIONS, COMPONENTS, BUILDING EQUIPMENT,

AND FIXTURES AS REQUIRED FOR NEW WORK. . REMOVE ABANDONED HVAC EQUIPMENT, INCLUDING DUCT WORK.

8. REMOVE ABANDONED ELECTRICAL, TELEPHONE AND DATA CABLING AND DEVICES, UNLESS OTHERWISE NOTED.

9. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.

FIRE/ LIFE SAFETY NOTES

I. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, AND ADDITIONAL EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR OR BUILDING DEPARTMENT INSPECTOR.

2. PROVIDE EXIT SIGN WITH 6" LETTERS OVER REQUIRED EXITS, WHERE SHOWN ON DRAWINGS, AND ADDITIONAL SIGNS AS REQUIRED BY BUILDING DEPARTMENT INSPECTOR OR FIRE DEPARTMENT FIELD INSPECTOR. CONNECT EXIT SIGNS TO EMERGENCY POWER CIRCUITS. COMPLY WITH BUILDING CODES.

. PROVIDE EMERGENCY LIGHTING OF ONE FOOT-CANDLE AT FLOOR LEVEL. COMPLY WITHBUILDING CODES.

4. MAINTAIN AISLES AT LEAST 44" WIDE AT PUBLIC AREAS.

5. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE. ALL NEW DOORS SHALL HAVE APPROVED LEVER HANDLES.

6. DOORS OPENING INTO REQUIRED 1-HOUR. FIRE-RESISTIVE CORRIDORS SHALL BE PROTECTED WITH A SMOKE OR DRAFT STOP ASSEMBLY HAVING A 20-MINUTE RATING AND SHALL BE SELF-CLOSING.

7. 20-MINUTE DOOR JAMBS TO BE TIGHT-FITTING. SMOKE AND DRAFT CONTROLLED. 8. EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL WHEN SERVING 50 OR MORE PERSONS AND IN ANY HAZARDOUS AREA.

9. INTERIOR WALL AND CEILING FINISHES FOR EXIT CORRIDOR SHALL NOT EXCEED AN END POINT FLAME SPREAD RATING: A. CLASS I, FLAME SPREAD 0-25, SMOKE DENSITY 150, FOR MATERIALS

INSTALLED IN VERTICAL EXITS. B. CLASS II, FLAME \ SPREAD 26-75, SMOKE DENSITY 300, FOR MATERIALS INSTALLED IN

HORIZONTAL EXITS. C. CLASS III, FLAME SPREAD 76-200, SMOKE DENSITY 450, FOR MATERIALS INSTALLED IN ANY OTHER LOCATION.

10. DECORATIONS (CURTAINS, DRAPES, SHADES, HANGINGS, ETC.) SHALL BE NON-COMBUSTIBLE OR BE FLAMEPROOFED IN AN APPROVED MANNER. 11. PROVIDE FIRE DAMPERS OR DOORS WHERE AIR DUCTS PENETRATE FIRE-RATED WALLS

OR CEILINGS. 12. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS AND HAZARDOUS SUBSTANCES SHALL COMPLY WITH UNIFORM FIRE

CODE REGULATIONS. 13. WOOD BLOCKING SHALL BE FIRE TREATED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.

14. EXTEND OR MODIFY EXISTING FIRE/LIFE SAFETY SYSTEM AS REQUIRED TO PROVIDE AN APPROVED FIRE/ LIFE SAFETY SYSTEM. SUBMIT PLANS TO FIRE DEPARTMENT WITH COMPLETE DESCRIPTION OF SEQUENCE OF OPERATION, AND OBTAIN APPROVAL PRIOR TO INSTALLATION.

15. LOCATE THE CENTER OF FIRE ALARM INITIATING DEVICES 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK.

16. EMERGENCY WARNING SYSTEMS SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE. 17. EXTEND OR MODIFY EXISTING AUTOMATIC FIRE EXTINGUISHING SYSTEM AS REQUIRED

TO FIRE DEPARTMENT AND OBTAIN APPROVAL PRIOR TO INSTALLATION. 18. AUTOMATIC SPRINKLER SYSTEMS SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE STATION SERVICE OR A LOCAL ALARM WHICH WILL GIVE

AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.

TO PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM. SUBMIT PLANS

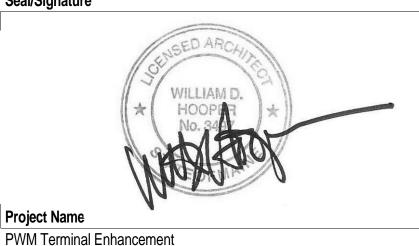
Portland International Jetport

1001 Westbrook Street Portland, Maine 04102

2020 K Street, Northwest Suite 200 Washington DC 20006

07/11/08 SHEMATIC DESIGN 09/22/08 DESIGN DEVELOPMENT 12/03/08 75% CONSTRUCTION DOCUMENTS 01/23/09 95% CONSTRUCTION DOCUMENTS 10/26/09 ISSUED FOR PERMIT 2 11/12/09 ADDENDUM #2

Seal/Signature



Project Number 09.6395.000

GENERAL NOTES & ABBREVIATIONS

As indicated

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27. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES

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