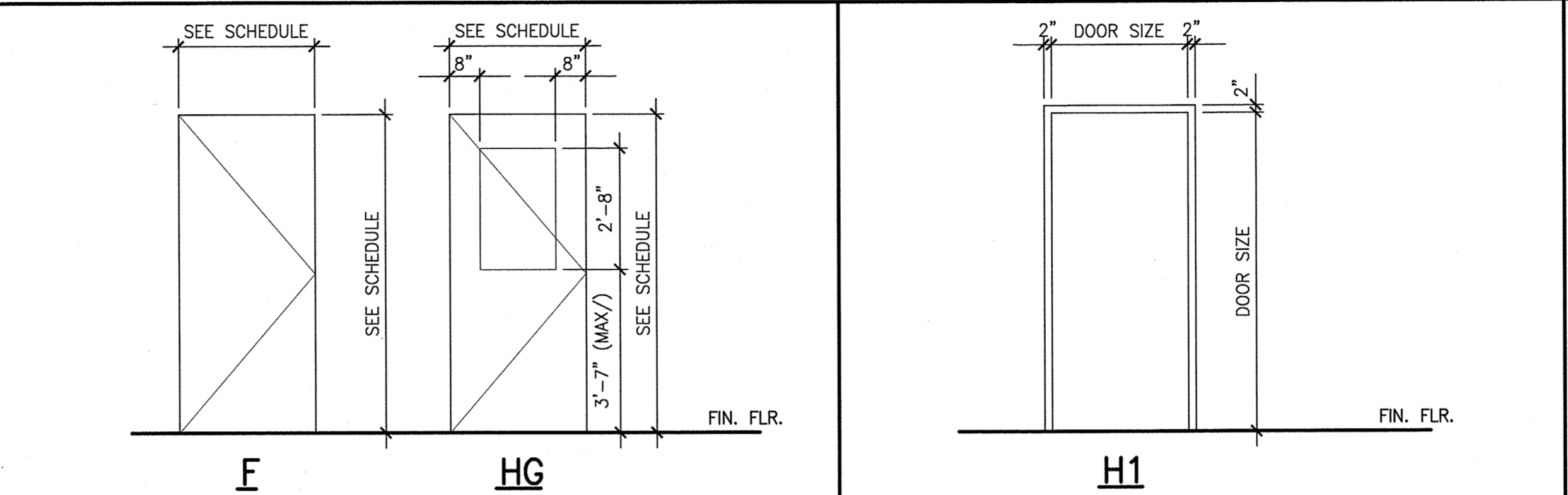


DOOR SCHEDULE														
DOOR NUMBER	DOOR				FRAME					HWS	CARD READER	FIRE RATING (MIN.)	DOOR NUMBER	REMARKS
	SIZE	MATERIAL	ELEVATION	GLAZING	MATERIAL	ELEVATION	HEAD	JAMB	SILL					
102a	3'-0"x7'-0"	HM	HG	N/A	HM	H1					1		102a	
102b	3'-0"x7'-0"	HM	HG	N/A	HM	H1					1		102b	
103a	3'-0"x7'-0"	HM	HG	N/A	HM	H1					1		103a	
103b	3'-0"x7'-0"	HM	HG	N/A	HM	H1					1		103b	
203	3'-0"x7'-0"	HM	F	N/A	HM	H1					1		203	
204	3'-0"x7'-0" (DBL)	HM	HG	TEMP	HM	H1					2		204	
205	3'-0"x7'-0"	HM	F	N/A	HM	H1					1		205	

ROOM FINISH SCHEDULE											
ROOM NUMBER	ROOM NAME	FLOOR		WALLS				CEILING		ROOM NUMBER	REMARKS
		MATERIAL	BASE	NORTH	SOUTH	EAST	WEST	MATERIAL	HEIGHT		
101	CLEANROOM	N.I.C.	N.I.C.	FRP	FRP	FRP	FRP	IMP	8'-0"	101	
102	GOWN	N.I.C.	N.I.C.	FRP	FRP	FRP	FRP	CC	8'-0"	102	
103	MATERIAL TRANSFER	N.I.C.	N.I.C.	FRP	FRP	FRP	FRP	CC	-	103	
104	EQUIPMENT	N.I.C.	N.I.C.	CURT	FRP	CURT	CURT	IMP	-	104	
105	UTILITY	N.I.C.	N.I.C.	FRP	FRP	FRP	FRP	FRP	VARIES	105	
201	CLEANROOM	N.I.C.	N.I.C.	FRP	FRP	FRP	FRP	IMP	-	201	
202	GOWN	N.I.C.	N.I.C.	PT EXIST	PT EXIST	PT EXIST	PT EXIST	CC	7'-8"	202	
203	MECH.	N.I.C.	N.I.C.	EXIST	PT GWB	EXIST	PT GWB	EXIST	EXIST	203	
204	MATERIAL TRANSFER	N.I.C.	N.I.C.	FRP	FRP	EXIST	FRP	EXIST	EXIST	204	
205	EQUIPMENT PLATFORM	GRATE	N/A	FRP	EXIST	EXIST	FRP	EXIST	EXIST	205	

L1 SCHEDULES

- 3/8" = 1'-0"
- DIVISION 5**
 1. PROVIDE MISCELLANEOUS METALS FOR FABRICATION OF ITEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: LADDERS AND RAILINGS.
 2. STEEL PLATES, SHAPES AND BARS REFER TO ASTM A36.
 3. STEEL TUBING: PROVIDE COLD FORMED STEEL TUBING COMPLYING WITH ASTM A500, GRADE B.
 4. STEEL PIPE: PROVIDE STANDARD WEIGHT (SCHEDULE 40) COMPLYING WITH ASTM A53, TYPE E OR S, GRADE B.
- DIVISION 6**
 1. DIMENSIONAL LUMBER FOR BLOCKING, NAILERS AND FURRING OR AS REQUIRED BY THE DETAILS SHALL BE NO. 2 GRADE WITH A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
 2. PLYWOOD BACKER PANELS AS REQUIRED TO SUPPORT EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE EXPOSURE 1 GRADE 1/2" INCH NOMINAL THICKNESS UNLESS NOTED OTHERWISE.
- DIVISION 7**
 1. BATT INSULATION SHALL BE UNFACED MINERAL FIBER BLANKET INSULATION COMPLYING WITH ASTM C764, TYPE 1 WITH A FLAME-SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS. THICKNESS AS INDICATED.
 2. CUT AND PATCH EXISTING EXTERIOR METAL WALL PANELS AS REQUIRED TO INSTALL THE WORK. PROVIDE FLASHING AND REPAIRS COMPLIANT WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. ALL PENETRATIONS SHALL BE MADE WEATHER TIGHT PRIOR TO THE END OF EACH DAY'S WORK.
 3. CUT AND PATCH EXISTING ROOF MEMBRANE AS REQUIRED TO INSTALL NEW WORK. ALL ROOF WORK SHALL BE PERFORMED BY A CONTRACTOR ACCEPTED BY THE EXISTING ROOF MEMBRANE/SYSTEM MANUFACTURER. ALL WORK SHALL BE COMPLETED AND INSPECTED BY THE ROOFING MEMBRANE MANUFACTURER TO MAINTAIN EXISTING WARRANTIES.
 4. PROVIDE SEALANTS COMPATIBLE WITH SUBSTRATES AND ADJACENT MATERIALS AS REQUIRED.
- DIVISION 8**
 1. HOLLOW METAL DOORS SHALL BE 18 GA MINIMUM COLD ROLLED STEEL.
 2. HOLLOW METAL FRAMES SHALL BE 16 GA MINIMUM COLD ROLLED STEEL.
 3. PROVIDE DOOR AND FRAME ASSEMBLIES COMPLYING WITH NFPA 80 AND BEARING A LABEL INDICATING THE ASSEMBLY IS RATED AS SCHEDULED. LABELS SHALL BE PROVIDED FOR BOTH THE FRAME AND DOOR. DO NOT PAINT LABELS.
 4. PRIME ALL HOLLOW METAL DOORS AND FRAMES FOR FIELD PAINTING.
 5. GLAZING SHALL BE 1/4" INCH SAFETY RATED TEMPERED GLASS WHERE INSTALLED IN DOOR ASSEMBLIES.
 6. TEMPERED GLASS SHALL BE FULLY HEAT STRENGTHENED TYPE.
 7. DOOR HARDWARE SHALL BE AS FOLLOWS:
 7.1. COORDINATE WITH BUILDING STANDARDS FOR MANUFACTURER AND CLASS.
 7.2. HINGES SHALL BE HEAVY DUTY 5 KNUCKLE BALL BEARING TYPE.
 7.3. LOCK SETS SHALL BE FULL MORTISE TYPE WITH FUNCTION SCHEDULED.
 7.4. DOOR PROTECTION SHALL BE STAINLESS STEEL 10 INCHES HIGH BY 2 INCHES LESS THAN DOOR PANEL WIDTH.
- DIVISION 9**
 1. METAL STUDS AND TRACK TO BE A MINIMUM OF 25 GAUGE COMPLYING WITH ASTM C645.
 2. ISOLATE STEEL FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF LOADING IMPOSED BY STRUCTURAL MOVEMENT. PROVIDE DEFLECTION TRACT AT TOP OF ALL PARTITIONS.
 3. WHERE PARTITIONS ARE INDICATED TO RECEIVE GWB TO THE CEILING LEVEL ON EACH SIDE, PROVIDE BRACING AS REQUIRED AT 6'-0" O.C. MAXIMUM TO STRUCTURE ABOVE.
 4. INSTALL METAL STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.
 5. GYPSUM WALLBOARD SHALL COMPLY WITH ASTM C36, TYPE X WITH TAPERED EDGES.
 6. WHERE INDICATED, PROVIDE GYPSUM WALLBOARD MANUFACTURED WITH AN INTEGRATED FOIL FACING. INSTALL FOIL FACED GWB WITH FOIL FACING THE INTERIOR OF THE WALL ASSEMBLY, TYPICAL.
 7. ON GYPSUM WALLBOARD SURFACES EXPOSED TO VIEW, PROVIDE TWO COATS OF JOINT COMPOUND OF SETTING TYPE TAPING COMPOUND OR DRYING TYPE ALL-PURPOSE COMPOUND. TAPE ALL SEAMS WITH PAPER OR FIBERGLASS JOINT TAPE.
 8. PAINT SHALL BE AN EPOXY-MODIFIED LATEX ENAMEL FOR DOORS, FRAMES, AND WALLS. ALL SURFACES SHALL RECEIVE 2 FINISH COATS OVER A PRIMER. EPOXY PAINT SHALL BE EQUAL TO SHERWIN-WILLIAMS PRO INDUSTRIAL WATERBASED EPOXY.
- DIVISION 13**
 1. CLEANROOM WALL PANELS SHALL BE FRP CLEANROOM WALL PANELS BY CRANE COMPOSITES. PANELS SHALL BE INSTALLED WITH SUBSTRATE ADHESIVE AND ALL SEAMS SHALL BE SEALED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
 2. CLEANROOM CEILING SYSTEMS SHALL BE ONE OF THE FOLLOWING MATERIAL AS SCHEDULED.
 2.1. 1 1/2" INCH FACTORY GASKETED WIRE SUSPENDED CEILING GRID EQUAL TO LG-15 BY GORDON CLEANROOM PRODUCTS. BLANK CEILING PANELS SHALL BE 3/4" INCH THICK VINYL FACED GWB PANELS SIZED TO FIT GRID MODULE. GRID AND BLANK PANELS SHALL BE WHITE IN COLOR.
 2.2. 4" INCH THICK FACTORY INSULATED METAL PANELS WITH TONGUE AND GROOVE WITH PROGRESSIVE INSTALLATION. ALL PANEL SURFACES EXPOSED TO THE CLEANROOM SHALL BE SMOOTH. PANELS SHALL BE SUPPORTED AS INDICATED ON STRUCTURAL DRAWINGS WITH ROD HUNG BRACKETS AS DETAILED.
 3. SOFT WALL SHALL BE A 60 MIL X 8" ANTI-STATIC VINYL STRIP SHIELD WITH 2" OVERLAP. PROVIDE IN MANUFACTURER'S STANDARD LENGTH AS REQUIRED.



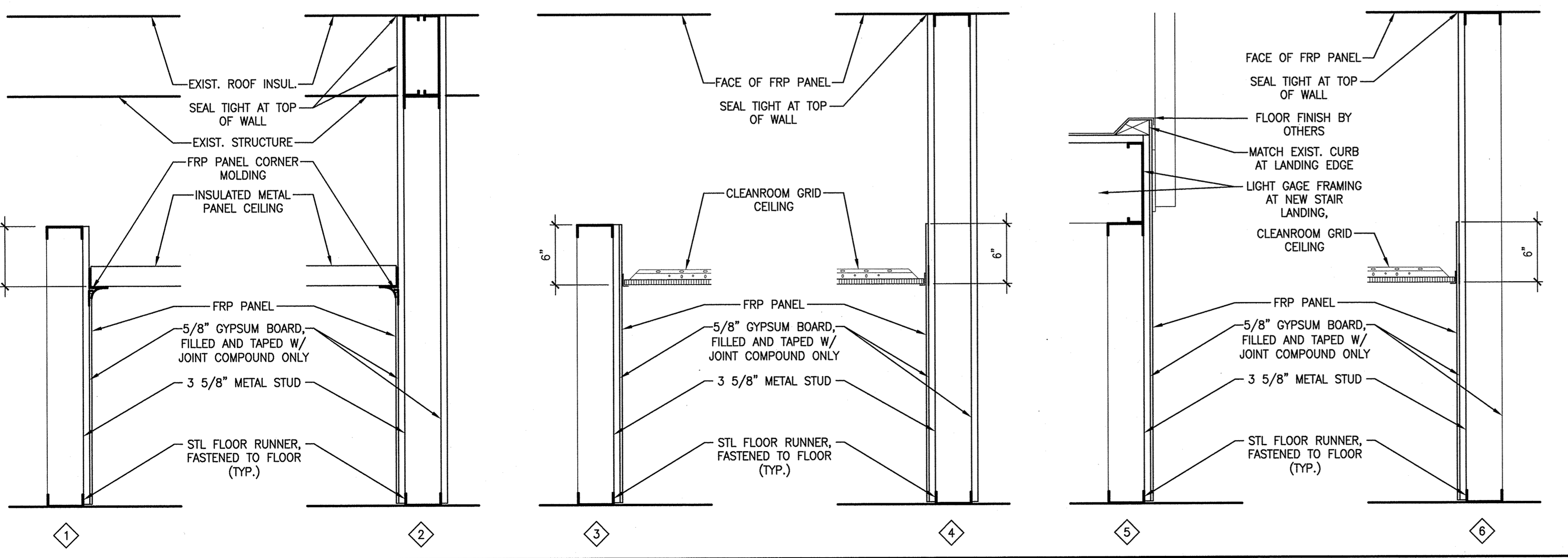
H8 DOOR TYPE ELEVATIONS **H11 DOOR FRAME ELEVATIONS**

3/8" = 1'-0"

- DOOR NOTES:**
 1. FOR GLAZING SEE SPECS.
- DOOR ABBREVIATIONS:**
 HM HOLLOW METAL
 AL ALUMINUM
 EX EXISTING DOOR/FRAME
- GLAZING TYPES**
 T TEMPERED
 N TINTED TEMPERED
 INS INSULATED
 FR FIRE RATED
- DOOR HARDWARE SETS**
 HWS 1 PASSAGE LOCKSET, HINGES, CLOSER, DOOR GASKET, AUTOMATIC DOOR BOTTOM
 HWS 2 PASSAGE LOCKSET, HINGES, (1) CLOSER, (1) FLUSH BOLT (TOP & BOT.), DOOR GASKET, AUTOMATIC DOOR BOTTOM
- FINISH NOTES:**
 1. -
- FINISH ABBREVIATIONS:**
 FRP FIBERGLASS REINFORCED PLASTIC
 CC CLEAN-ROOM CEILING
 IMP INSULATED METAL PANEL
 CURT CLEAN-ROOM SOFT CURTAIN
 GRATE STEEL GRATING
 N.I.C. NOT IN CONTRACT, WORK AND MATERIAL BY OTHERS

E1 SPECIFICATIONS

N.T.S. *



A1 PARTITION TYPES

N.T.S. *

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 No. 36551
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IMMUCELL CORPORATION
 CLEANROOM RENOVATION
 PORTLAND, ME

ISSUED FOR PERMIT
 1-9-14

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0		1-9-14

GRAPHIC SCALE:
 0" = 1"

SCALE: AS INDICATED
 PROJECT MANAGER: RAB
 JC/DRAWN BY: TCM
 A/E OF RECORD: DAM
 CAD FILE: 13157-AE101
 PROJECT NO: 13157
 DATE: 1-9-14
 SHEET TITLE:

ARCHITECTURAL INFORMATION

SHEET No. **AE001**
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