

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BUILDING INSPECTION

PERMIT

Permit Number: 071397

PERMIT ISSUED

DEC 21 2007

This is to certify that THREE FORTY ASSOCIATES LLC / INCORPORATED - J. Rin

has permission to Tenant fit-up for data storage

AT 338 CUMBERLAND AVE

037 F009001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is laid or closed-in. **HEAVY NOTICE IS REQUIRED.**

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Weg Cass

Health Dept. _____

Appeal Board _____

Other _____

Department Name

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 07-1397	Issue Date:	CBL: 037 F009001
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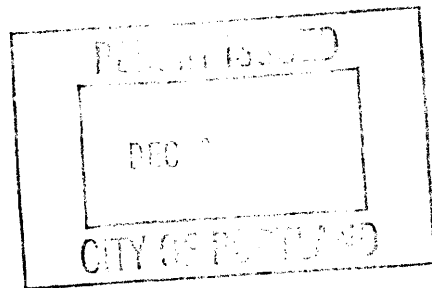
Location of Construction: 338 CUMBERLAND AVE	Owner Name: THREE FORTY ASSOCIATES LL	Owner Address: 120 EXCHANGE ST	Phone:
Business Name:	Contractor Name: ADS Incorporated - John Ring	Contractor Address: 112 Will Drive Canton	Phone 7818280040
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: B-3

Past Use: Commercial - Paper Storage	Proposed Use: Commercial - First phase tenant fit up for data storage. <i>for Hanna's friends</i>	Permit Fee: \$470.00	Cost of Work: \$42,000.00	CEO District: 1
Proposed Project Description: Tenant fit-up for data storage - <i>5th floor</i>		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>See Conditions</i>	INSPECTION: Use Group: <i>B</i> Type: <i>2B</i> <i>IBC 2005</i>	
		Signature: <i>Gregory</i> Signature: <i>[Signature]</i>		
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: lmd	Date Applied For: 11/07/2007	Zoning Approval		
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Denied Date: <i>9/11/07</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>9</i>
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 07-1397	Date Applied For: 11/07/2007	CBL: 037 F009001
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Location of Construction: 338 CUMBERLAND AVE	Owner Name: THREE FORTY ASSOCIATES LL	Owner Address: 120 EXCHANGE ST	Phone:
Business Name:	Contractor Name: ADS Incorporated - John Ring	Contractor Address: 112 Will Drive Canton	Phone (781) 828-0040
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: Commercial - First phase tenant fit up for data storage. For 5th floor for Hannafords	Proposed Project Description: Tenant fit-up for data storage
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 11/13/2007

Note: **Ok to Issue:**

- 1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 2) Separate permits shall be required for any new signage.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 12/18/2007

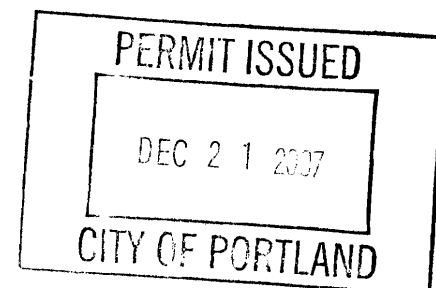
Note: **Ok to Issue:**

- 1) Separate permits are required for any electrical, plumbing, or HVAC systems. Separate plans may need to be submitted for approval as a part of this process.
- 2) All penetrations between units and common areas shall be protected with approved firestop materials, and recessed lighting/vent fixtures shall not reduce the required rating.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Greg Cass **Approval Date:** 11/20/2007

Note: **Ok to Issue:**

- 1) Emergency lights and exit signs are required
- 2) All construction shall comply with NFPA 101
- 3) A single source supplier should be used for all through penetrations.
- 4) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.





General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>340 CUMBERLAND AVE., 5TH FLOOR, PORTLAND, ME 04101</u>		
Total Square Footage of Proposed Structure/Area <u>2592 S.F.</u>		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>037 F 9</u>	Applicant * must be owner, Lessee or Buyer* Name <u>LOU WOOD</u> Address City, State & Zip <u>PORTLAND, ME</u>	Telephone: <u>207-450-6128</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name <u>DAVE BEYSON</u> <u>NANNAFORD BROTHERS</u> Address <u>145 PLEASANT HILL RD</u> City, State & Zip <u>SCARBOROUGH, ME 04074</u>	Cost Of Work: \$ <u>42,000.00</u> C of O Fee: \$ _____ Total Fee: \$ <u>\$440.00</u>
Current legal use (i.e. single family) <u>VACANT</u> If vacant, what was the previous use? <u>PAPER STORAGE</u> Proposed Specific use: <u>DATA STORAGE</u> Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>ADD DRYWALL TO PERIMETER, ADD ACOUSTICAL CEILING, ADD RAISED FLOOR SYSTEM, ADD ELEC. LIGHTING, CON OUTLETS & LIFE SAFETY) ADDITIONAL ELEC. (PUR. DIST.) AND MECH (AC'S) TO BE ADDED AS PART OF</u>		
Contractor's name: <u>JOHN RING - AIDS INCORPORATED</u> <u>SECOND PHASE (2008 - 2 GAR.)</u> Address: <u>112 WILL DRIVE</u> City, State & Zip <u>CANTON, MA 02021</u> Telephone: <u>781-828-0040</u> Who should we contact when the permit is ready: <u>JOHN RING - 617-938-2599</u> Telephone: <u>617-938-2599</u> Mailing address: <u>SAME AS ABOVE</u>		

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: [Signature] Date: _____

This is not a permit; you may not commence ANY work until the permit is issued

David Benson
Hannaford Bros. Co. (MS 5300)
145 Pleasant Hill Rd.
Scarborough, ME 04074



Portland City Planning Department
Planning Division
389 Congress St. (4th Floor)
Portland, ME 04101

November 6, 2007

Dear Portland Planning Department:

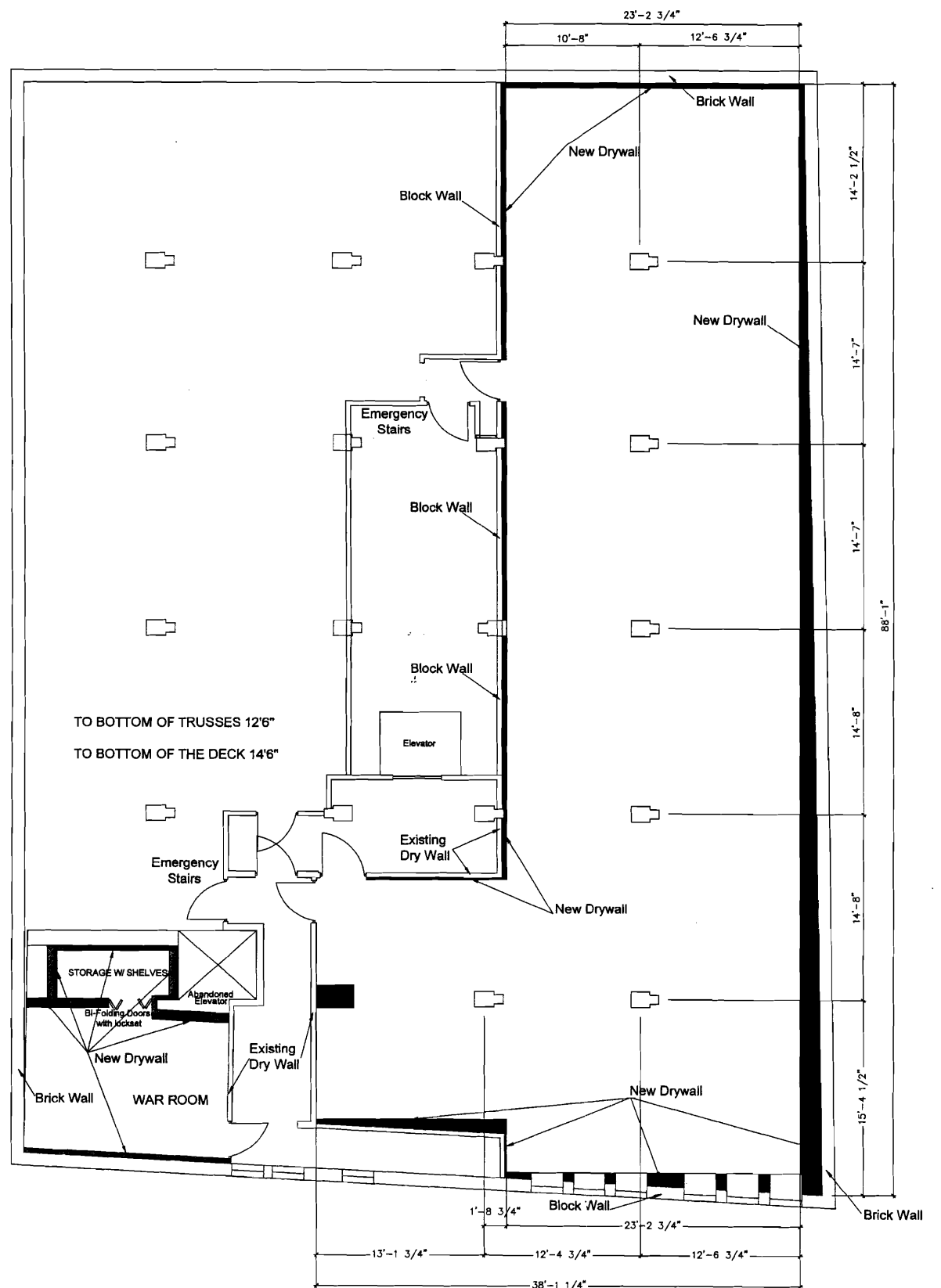
I authorize ADS Incorporated to act as a Hannaford Bros. Co.'s authorized agent to submit a building permit application for the proposed construction at 340 Cumberland Ave., 5th Floor, Portland ME.

Sincerely,

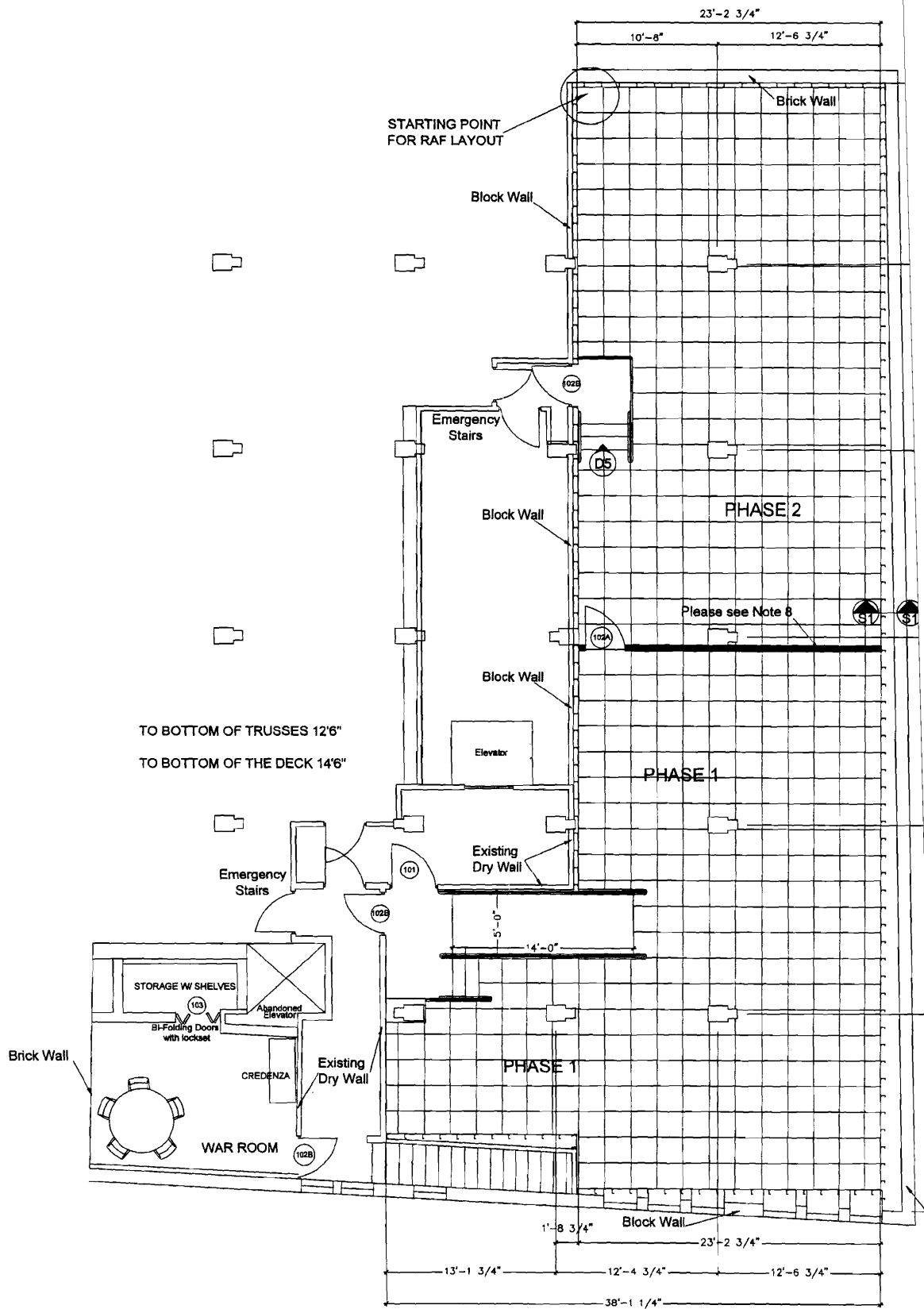
A handwritten signature in cursive script that reads "David Benson". The signature is written in black ink and is positioned above the typed name and title.

David Benson
Sr. Technical Analyst
Hannaford Bros. Co.

O: (207) 885-3008
F: (207) 396-3008
C: (207) 838-5174



A1 PROPOSED FLOOR PLAN
 3/16" = 1'-0"



TO BOTTOM OF TRUSSES 12'6"
 TO BOTTOM OF THE DECK 14'6"

A1 FLOOR PLAN LAYO
 3/16" = 1'-0"

GENERAL ELECTRICAL NOTES & SPECIFICATIONS:

- THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE STANDARD BUILDING CODES AND LOCAL CODES AS MAY BE APPLICABLE. SIX SHOP DRAWINGS OF ALL MAJOR EQUIPMENT SHALL BE REQUIRED PRIOR TO ORDERING EQUIPMENT.
- WORK SHALL INCLUDE ALL LABOR, MATERIALS, PERMITS AND COSTS FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM.
- ALL EQUIPMENT, FIXTURES, ETC., SHALL BE STARTED, TESTED, ADJUSTED AND PLACED IN SATISFACTORY OPERATING CONDITION BY THIS CONTRACTOR WHO SHALL GUARANTEE ALL WORKMANSHIP MATERIALS AND EQUIPMENT TO BE FREE OF DEFECTS FOR A PERIOD OF (1) ONE YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY (C.O.); AND SHALL REPAIR SUCH DEFECTS WITHOUT COST TO THE OWNER. ALL EQUIPMENT SHALL BE COVERED FOR THE DURATION OF THE MANUFACTURER'S GUARANTEE OR WARRANTY, AND THIS CONTRACTOR SHALL FURNISH THE OWNER WITH ALL MANUFACTURER'S GUARANTEE AND WARRANTIES.
- ALL WIRE SIZES SHOWN (UNLESS NOTED OTHERWISE) ARE FOR COPPER CONDUCTORS.
- NO "WAFER" OR "PIGGYBACK" BREAKERS PERMITTED.
- RUN ONE EMPTY 3/4" EMT CONDUIT TO ACCESSIBLE CEILING SPACE FOR EACH (4) "SPARE BREAKER" OR "SPACES" INDICATED ON PANEL SCHEDULES
- WHERE CIRCUIT HOME RUNS ARE INDICATED ON PLANS WITH MORE THAN ONE CIRCUIT, THE DEVICES OR FIXTURES CONNECTED SHALL ALTERNATE CIRCUITS AS THE RUN PROGRESSES. CARRY ALL CIRCUIT WIRING TO LAST DEVICE OF RUN.
- CONDUCTOR SIZE SHALL BE #12 AWG (UNLESS NOTED OTHERWISE) AND INSULATION TYPE TO BE WHAT IS AVAILABLE AT TIME OF INSTALLATION (TW, THW, THHN, XHHN OR XHHW). ALL CONDUCTOR AMPACITIES ARE TO BE BASED UPON USE OF 90° C RATED INSULATION.
- A/C AIR HANDLER AND CONDENSING UNIT CIRCUIT BREAKERS MUST BE U.L. LISTED AS "HACK" RATED IN ORDER TO USE NON-AUTO DISCONNECTS AT HVAC EQUIPMENT, IF NOT LISTED. THEN A FUSED DISCONNECT IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS NAME PLATE REQUIREMENTS MUST BE INSTALLED AT THE EQUIPMENT. ALL GROUP MOUNTED DISCONNECTS (SUCH AS A/C CONDENSERS) ARE TO BE IDENTIFIED AS TO UNIT OR LOCATION THEY SERVE.
- ELECTRICAL CONTRACTOR IS LIMITED TO USE CONDUIT AND CABLE, ARMORED OR METAL-CLAD CABLE AS AN ACCEPTABLE MEANS OF WIRING.
- THE ELECTRICAL CONTRACTOR, HVAC, PLUMBING, FIRE PROTECTION & GENERAL CONTRACTORS SHALL STRICTLY ADHERE TO THE FOLLOWING ITEMS WHEN DEALING WITH ELECTRICAL CLEARANCES:
 - NO PIPING OF ANY KIND OR DUCTWORK, SHALL BE INSTALLED ABOVE AN ELECTRICAL SWITCHBOARD OR PANEL. THIS AREA TO REMAIN CLEAR FROM THE EQUIPMENT TO 25" ABOVE OR TO THE BOTTOM OF THE STRUCTURAL SLAB OR FLOOR.
 - A CLEARANCE OF 36" MINIMUM FOR 120/208/240 VOLT OR 48" MINIMUM FOR 277/480 VOLT SHALL BE MAINTAINED IN FRONT OF ELECTRICAL EQUIPMENT FOR THE ENTIRE WIDTH OF THE EQUIPMENT, PLUS 12" EACH SIDE, AND FROM FLOOR TO SLAB ABOVE.
- REVISIONS TO THESE DRAWING AND CERTIFICATION THEREOF WHICH MAY BE REQUIRED BY THE APPLICABLE INSPECTION AUTHORITY, BECAUSE OF CONTRACTOR OPIED REVISIONS SHALL BE COMPENSATED TO THE ENGINEER BY THE REQUESTING CONTRACTOR, PAYMENT WILL BE REQUIRED AT TIME OF CERTIFICATION DELIVERY.
- ALL "WP" RECEPTACLES SHALL BE INSTALLED WITH LONG SIDE HORIZONTAL AND SWITCHES SHALL BE MOUNTED LONG SIDE VERTICAL WITH A WEATHER SHIELDING COVER. THE COVER SHALL BE A INTERMATIC WP1100 SERIES OR EQUAL.
- ALL ELECTRICAL CONDUITS NOT CONTAINING SPECIFIED CONDUCTORS SHALL HAVE A PULL WIRE INSTALLED
- DO NOT SCALE THE ELECTRICAL DRAWINGS, REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT LOCATIONS, CABINTRY, CEILING GRIDS, DOOR SWINGS, ETC.
- MATERIALS EQUIPMENT AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM), THE UNDERWRITERS LABORATORY (UL), THE 2005 NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION (NEMA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND OTHER NATIONALLY RECOGNIZED AGENCIES AS WELL AS APPLICABLE LOCAL CODES.
- BIDDERS SHALL BE LICENSED CONTRACTORS IN ACCORDANCE WITH LOCAL AND STATE LAWS.
- BIDDERS SHALL THOROUGHLY ACQUANT THEMSELVES WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THEY SHALL EXAMINE ALL SERVICES, EQUIPMENT, SURFACES, ETC., WHICH THIS WORK IS IN ANY WAY DEPENDENT UPON, AND BRING ANY DISCREPANCIES DETERMINED OR OMISSIONS FOUND IN THE DRAWINGS TO THE OWNER'S ATTENTION BEFORE PROCEEDING WITH THE ELECTRICAL WORK.
- THE SYSTEMS SHOWN ON DRAWINGS SHALL BE PROVIDED TO SERVE ALL FIXTURES, EQUIPMENT, AND AREAS WITHIN THE CONTRACT LIMITS AS SET FORTH BY THE ARCHITECTURAL SOLUTION FOR THE PROJECT. THE BIDDING AND CONTRACT REQUIREMENTS, GENERAL REQUIREMENTS, AND GENERAL PROVISIONS SHALL APPLY TO THIS SECTION. SYSTEMS SHALL INCLUDE ALL EQUIPMENT, APPURTENANCES, SAFETY DEVICES, AND CONTROLS NECESSARY FOR THE INTENDED SERVICE.
- WHERE JOB CONDITIONS REQUIRE CHANGES FORM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OF INSTALLATION OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE OWNER.
- ANYTHING DRAWN OR SPECIFIED SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY LOCAL, MUNICIPAL OR STATE LAW, REGULATION OR ORDINANCE WHICH GOVERNS THE INSTALLATION OF ANY ELECTRICAL, OR RELATED WORK. ITEMS SHALL NOT BE INSTALLED IN CONFLICT WITH THE NATIONAL ELECTRICAL CODE. RESOLVE ANY AND ALL CONFLICTS BEFORE INSTALLATION AT NO ADDITIONAL COST TO THE OWNER.
- ALL EQUIPMENT SHALL BE NEW AND UNUSED. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS, EXCEPT WHERE THESE SPECIFICATIONS REQUIRE A HIGHER QUALITY INSTALLATION THAN RECOMMENDED BY THE MANUFACTURER.
- ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE ON SITE. REPLACE ANY AND ALL CONTRACTOR-SUPPLIED DEFECTIVE DEVICES, ITEMS OR SYSTEMS AT CONTRACTOR'S OWN EXPENSE BEFORE COMPLETION OF THE PROJECT.
- CONTRACTOR TO REFER TO SPECIFICATIONS FOR WIRING DEVICE REQUIREMENTS.
- VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH OTHER CONTRACTORS FOR THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT FOR THE EFFICIENT FLOW OF WORK. GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING-IN THE BUILDING. COORDINATE THE CUTTING AND PATCHING OF BUILDING COMPONENTS TO ACCOMMODATE INSTALLATION OF ELECTRICAL EQUIPMENT AND MATERIALS.
- COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILINGS WITH SUSPENSION SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL COMPONENTS. COORDINATE ELECTRICAL EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS.
- COORDINATE CONNECTION OF ELECTRICAL SYSTEMS WITH EXTERIOR UNDERGROUND AND OVERHEAD UTILITIES AND SERVICES. COMPLY WITH REQUIREMENTS OF GOVERNING REGULATIONS, FRANCHISED SERVICE COMPANIES, AND CONTROLLING AGENCIES. PROVIDE REQUIRED CONNECTION FOR EACH SERVICE.
- ALL ELECTRICAL EQUIPMENT SHALL BE LISTED AND LABELED FOR THE QUALIFIED USE. VERIFY CIRCUIT BREAKER INTERRUPT CAPACITY NEEDED FOR EACH PANEL WITH LOCAL UTILITY. BALANCE THE POWER EQUALLY (+/- 10%) ON ALL PHASES.
- VERIFY MECHANICAL EQUIPMENT SWITCH AND CONNECTION REQUIREMENTS, ITEM BY ITEM, WITH THE MECHANICAL CONTRACTOR, BEFORE WIRING EQUIPMENT. RESOLVE ALL DISCREPANCIES WITHOUT FURTHER COST TO OWNER.
- ALL LIGHTS SHALL BE SUPPORTED AND SECURED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE SUPPORT SHALL BE FROM A BUILDING SUPPORT MEMBER AND NOT THE FIRE PROTECTION SYSTEM OR OTHER PIPES.
- ALL PANELS, CONTROL DEVICES AND MISCELLANEOUS ELECTRICAL APPARATUS SHALL BE CLEARLY MARKED FOR EASY IDENTIFICATION AND SAFETY. USE BLACK PLASTIC OR BAKELITE NAME PLATE ENGRAVED WITH WHITE LETTERS 1/4" HIGH. PUNCHED TAPE IS NOT ACCEPTABLE.
- PANELS SHALL BE PROVIDED WITH A TYPED DIRECTORY AFFIXED TO INSIDE OF PANEL DOOR WITH A CLEAR PLASTIC SLEEVE.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND ARE FOR CIRCUIT ALLOCATION ONLY. DO NOT SCALE DRAWINGS.
- ELECTRICAL CONTRACTOR SHALL FURNISH A RECORD SET OF DRAWINGS WITH ANY DEVIATIONS MARKED IN RED INK.
- ALL CABLE SIZES ARE BASED ON COPPER CONDUCTORS. ALUMINUM IS NOT PERMITTED.
- ANY EQUIPMENT SUPPLIED BY OWNER IS NOT WARRANTED BY THE ELECTRICAL CONTRACTOR.

ELECTRICAL SYMBOL LEGEND

	SOLID LINE DENOTES CONDUIT RUN CONCEALED IN WALL, ABOVE CEILINGS, EXPOSED IN UNFINISHED AREAS, RUN PARALLEL OR PERPENDICULAR TO STRUCTURE OR WALL. DASHED LINE DENOTES CONDUIT RUN BELOW GRADE OR BELOW FINISHED FLOOR.
	HOMERUN TO PANELBOARD. QUANTITY OF ARROWS INDICATES NUMBER OF CIRCUITS.
	SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO NORMAL BRANCH CIRCUIT. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.
	CEILING MOUNTED EXIT SIGN. SHADED AREA INDICATES FACE WITH DIRECTIONAL ARROWS AS SHOWN. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS. CONNECT UNSWITCHED TO INDICATED BRANCH CIRCUIT.
	EMERGENCY BATTERY PACK UNIT WITH NUMBER OF LAMPS AS INDICATED. LETTER (WHERE SHOWN) INDICATES TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS. CONNECT UNSWITCHED TO INDICATED BRANCH CIRCUIT.
	SINGLE-POLE TOGGLE SWITCH IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 48-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY SITE CONDITIONS.
	FUSED SAFETY SWITCH, SIZE AND NUMBER OF POLES AS INDICATED BY SUBSCRIPTS. PROVIDE FUSES PER NAMEPLATE OF EQUIPMENT SERVED UNLESS OTHERWISE INDICATED. SUBSCRIPT WP INDICATES IN NEMA 3R ENCLOSURE.
	RED JUMBO EMERGENCY MOMENTARY SWITCH MOUNTED IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 48" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY SITE CONDITIONS.
	200Y/120 OR 120/240 VOLT PANELBOARD, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED. SEE PANELBOARD SCHEDULE FOR EXACT REQUIREMENTS.
	125 VOLT, 3 WIRE DUPLEX RECEPTACLE IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 18-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
	125 VOLT, 3 WIRE GROUND FAULT TYPE DUPLEX RECEPTACLE. MOUNTING AS INDICATED.

FEEDER CABLE SIZING SCHEDULE

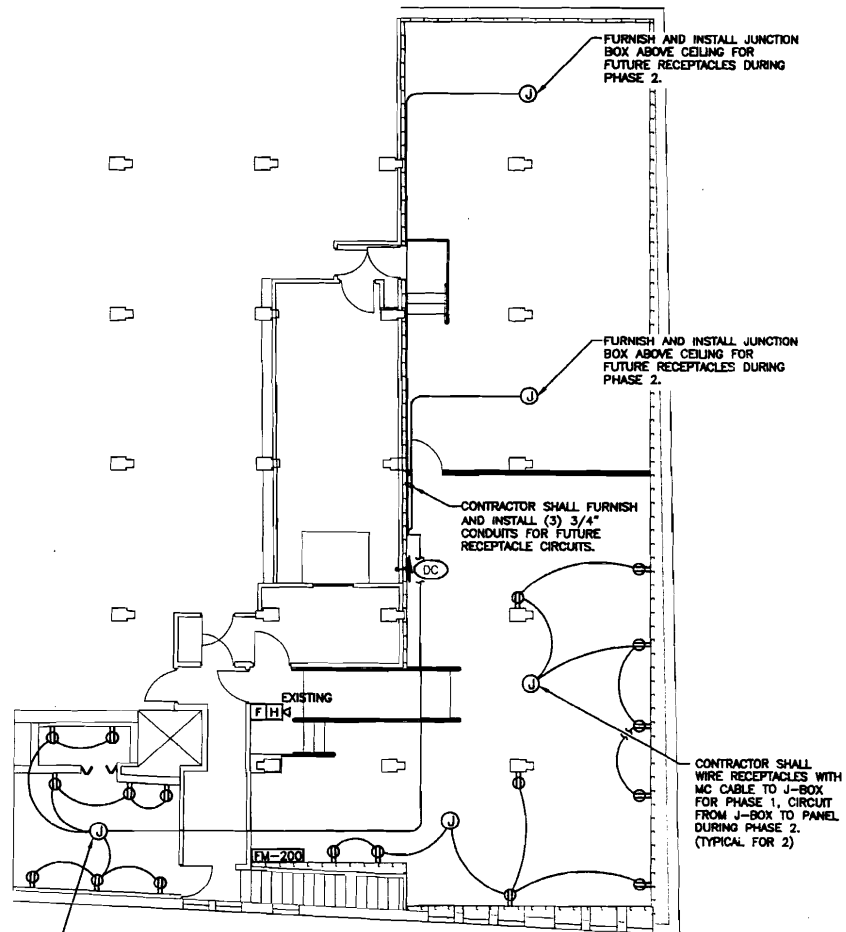
CIRCUIT BREAKER RATING	NUMBER OF PHASES	VOLTAGE	CONDUCTOR			GROUND WIRE SIZE
			SIZE (PER PHASE OR NEUTRAL)	NUMBER	INSULATION TEMP	
20	1	120	#12 AWG	2	90°	#12 AWG
	3-PH/3-W	208	#12 AWG	2	90°	#12 AWG
	3-PH/4-W	208	#12 AWG	3	90°	#12 AWG
	1	120	#10 AWG	2	90°	#10 AWG
	3-PH/3-W	208	#10 AWG	3	90°	#10 AWG
	3-PH/4-W	208	#10 AWG	4	90°	#10 AWG
30	1	120	#10 AWG	2	90°	#10 AWG
	3-PH/3-W	208	#10 AWG	3	90°	#10 AWG
	3-PH/4-W	208	#10 AWG	4	90°	#10 AWG
	1	120	#8 AWG	2	90°	#10 AWG
	3-PH/3-W	208	#8 AWG	3	90°	#10 AWG
	3-PH/4-W	208	#8 AWG	4	90°	#10 AWG
35	1	120	#8 AWG	2	90°	#10 AWG
	3-PH/3-W	208	#8 AWG	3	90°	#10 AWG
	3-PH/4-W	208	#8 AWG	4	90°	#10 AWG
	1	120	#8 AWG	2	90°	#10 AWG
	3-PH/3-W	208	#8 AWG	3	90°	#10 AWG
	3-PH/4-W	208	#8 AWG	4	90°	#10 AWG
50	1	120	#8 AWG	2	90°	#10 AWG
	3-PH/3-W	208	#8 AWG	3	90°	#10 AWG
	3-PH/4-W	208	#8 AWG	4	90°	#10 AWG
	1	120	#8 AWG	2	75°	#8 AWG
	3-PH/3-W	208	#8 AWG	3	75°	#8 AWG
	3-PH/4-W	208	#8 AWG	4	75°	#8 AWG
100	1	120	#3 AWG	2	75°	#8 AWG
	3-PH/3-W	208	#3 AWG	3	75°	#8 AWG
	3-PH/4-W	208	#3 AWG	4	75°	#8 AWG
	1	120	#3/0 AWG	2	75°	#4 AWG
	3-PH/3-W	208	#3/0 AWG	3	75°	#4 AWG
	3-PH/4-W	208	#3/0 AWG	4	75°	#4 AWG
200	1	120	600 KCMIL	2	75°	#3 AWG
	3-PH/3-W	208	600 KCMIL	3	75°	#3 AWG
	3-PH/4-W	208	600 KCMIL	4	75°	#3 AWG
	1	120	600 KCMIL	2	75°	#3 AWG
	3-PH/3-W	208	600 KCMIL	3	75°	#3 AWG
	3-PH/4-W	208	600 KCMIL	4	75°	#3 AWG

DRAWING NOTES:

- FOR GENERAL NOTES & LEGEND REFER TO DRAWING E-1.

LIGHTING FIXTURE SCHEDULE

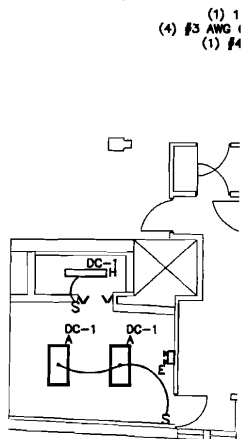
TYPE	MANUFACTURERS	CATALOG INFORMATION	LAMP DATA		BALLAST DATA		INPUT WATTS	VOLTAGE	MOUNTING	FIXTURE
			NO	TYPE	NO	TYPE				
A	LIGHTOLIER METALUX	VR2618LP332-277-03	3	32W/TB/3500	1	ELECTRONIC	98		RECESSED	2'X4' RECESSED W/ 3 X 6 GF
E	LIGHTOLIER ISOLUTE	E2150N19W	2	INCLUDED			15		SURFACE	ADJUSTABLE INJECTION UV THERM
EX	LIGHTOLIER ISOLUTE	LDX2RW	-	INCLUDED				LED	SURFACE	ALL DECP EXCEEDS
E/EX	LIGHTOLIER ISOLUTE	LLC2URW	2	INCLUDED			15 LED		SURFACE	THERMPL EXCEEDS ADJUSTABLE
H	LIGHTOLIER METALUX	JS4C13227750	1	32W/TB/3500	1	ELECTRONIC	64		SURFACE	4' SURFACE BAWKED W/ ACRYLIC



EXISTING ROUGH-IN RECEPTACLES.
CONTRACTOR SHALL RUN CIRCUITS TO
JUNCTION BOX FOR FUTURE
CONNECTION TO PHASE 2 PANEL.

DATA CENTER POWER PLAN

SCALE: 1/4" = 1'-0"



DATA
SCALE: 1/8"

DC															
BUS NUMBER: 10			AMPERE RATING: 100			VOLTAGE (L-L): 480			PHASE: 3						
SERVED FROM: N/A			MAIN TYPE: MAIN BREAKER			VOLTAGE (L-N): 277			WIRE: 4						
MOUNTING: SURFACE			LUG OPTIONS:						MIN. KAIC:						
REMARKS:															
CKT NO.	BRKR	LOAD DESCRIPTION	C O D E	LOAD KVA	BRANCH CIRCUIT			BRANCH CIRCUIT			LOAD KVA	C O D E	LOAD DESCRIPTION	BRKR	CKT NO.
					S	PHASE/NEUT	CND SIZE	S	PHASE/NEUT	CND SIZE					
TRIP	P				S	PHASE/NEUT	CND SIZE	S	PHASE/NEUT	CND SIZE			TRIP	P	
1	20	1		1.89	1	2	12	12	1/2						
		1													
3	1	1													
5	1	1													
7	1	1													
9	1	1													
11	1	1													
13	1	1													
15	1	1													
17	1	1													
19	1	1													
21	1	1													
23	1	1													
25	1	1													
27	1	1													
29	1	1													

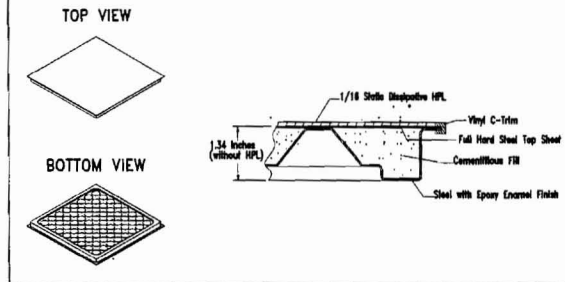
NEC ART. 220 LOAD CATEGORY	TOTAL CONNECTED LOAD (KVA)	NEC ART. 220 FEEDER SIZING FACTOR	NEC ART. 220 FEEDER SIZING LOAD (KVA)	PHASE BALANCE		
A - HOSPITAL LIGHTING	0.00	0.00	0.00	A: 300.1%	B: 0.0%	C: 0.0%
B - HOTEL/MOTEL LIGHTING	0.00	0.00	0.00	BALANCED NEC ART. 220		
C - SPACE COOLING	0.00	0.00	0.00	FEEDER SIZING LOAD (AMPS) x 2.5 A		
D - OTHER HVAC LOADS	0.00	0.00	0.00	x LARGEST UNBALANCED PHASE % x 3.0 A		
H - SPACE HEATING	0.00	0.00	0.00	TOTAL: 8.5 A		
K - KITCHEN APPLIANCES	0.00	0.00	0.00	+ RESERVED FUTURE CAPACITY: + 10.0 A		
L - GENERAL LIGHTING	1.89	1.25	2.36	TOTAL UNBALANCED		
M - MISC. CONTINUOUS	0.00	0.00	0.00	NEC ART. 220 FEEDER SIZING LOAD: 18.5 A		
N - MISC. NONCONTINUOUS	0.00	0.00	0.00	MIN. NEC ART. 220 REQUIRED OVERCURRENT PROTECTION: 20 A		
P - RECEPTACLES	0.00	0.00	0.00			
W - WAREHOUSE LIGHTING	0.00	0.00	0.00			
LARGEST MOTOR**	0.00	0.25	0.00			
	1.89		2.36			

* NON-COINCIDENTAL LOADS. LARGEST LOAD INCLUDED IN TOTAL. ** LARGEST MOTOR LOAD INCLUDED IN CATEGORIZED LOADS.

LOAD CALCULATION	
HANNAFORD BROTHERS - ELECTRICAL LOADS	
DESCRIPTION	
MOTORS:	
N/A DURING THIS PHASE	
LIGHTING:	
2,800 SFT @ 3.0A/SF	
POWER:	
N/A DURING THIS PHASE	
TOTAL LOAD	
TOTAL DEBATED LOAD	
REQUIRED FEEDER SIZE	
EXISTING PANEL SIZE:	

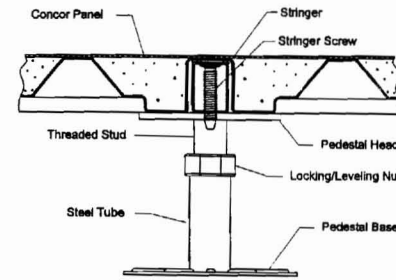
RAISED FLOOR NOTES	
PRODUCT	Tate Concor 1250
HEIGHT	14" ABOVE EXISTING FLOOR
FINISH	1/16" MEIAH HPL WITH TRIM
UNDERSTRUCTURE	24" STRINGERS
CABLE CUT-OUTS	N/A
PERFORATED PANELS	N/A
AIR GRILLES	TO BE LOCATED
ELECTRICAL AND DATA BOXES	TBD
GROUNDING	BY ELECTRICAL CONTRACTOR

DETAIL 1 - CROSS SECTION OF TYPICAL PANEL



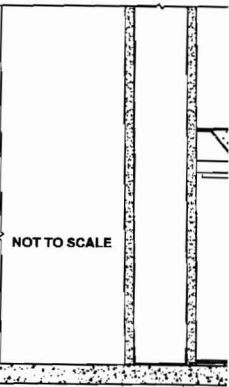
DETAIL 2 - PEDESTAL DETAIL (TYP.)

Tate Concor 1250

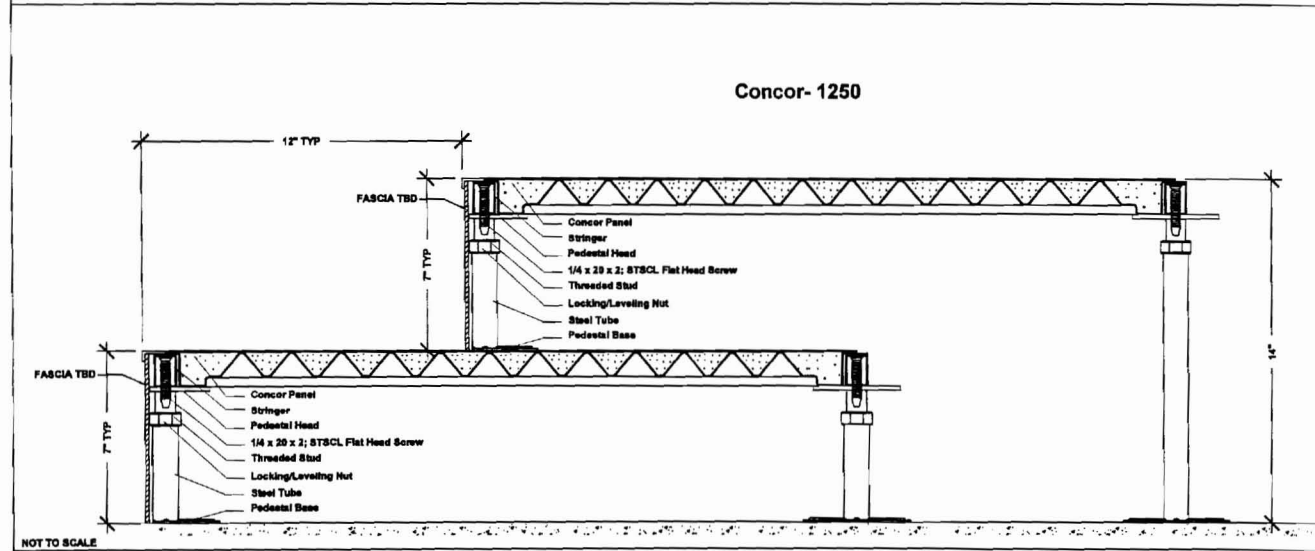


DETAIL 3 - PED. DET. (SHEE

Tate Concor 1250



DETAIL 5 - STAIR RISER DETAIL

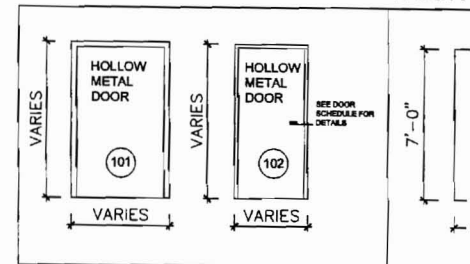


DOOR SCHEDULE

NO.	DWG REF	DOOR	
		SIZE	TYPE
NEW 101	A2	4'-0"W X 7'-0"H	101H
NEW 102A	A2	3'-0"W X 7'-0"H	102H
EXIS 102B	A2	3'-0"W X 7'-0"H	NAH
NEW 103	A2	3'-6"W X 7'-0"H	103H

FRAME TYPES

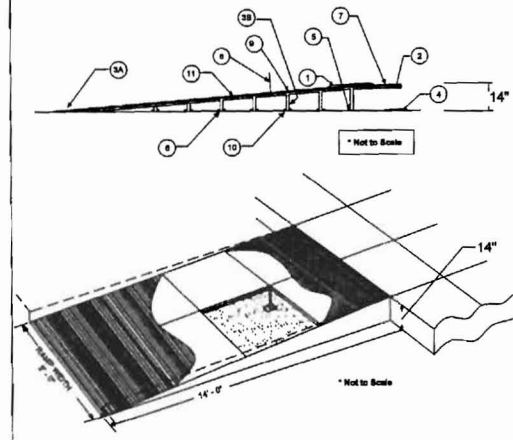
DOOR



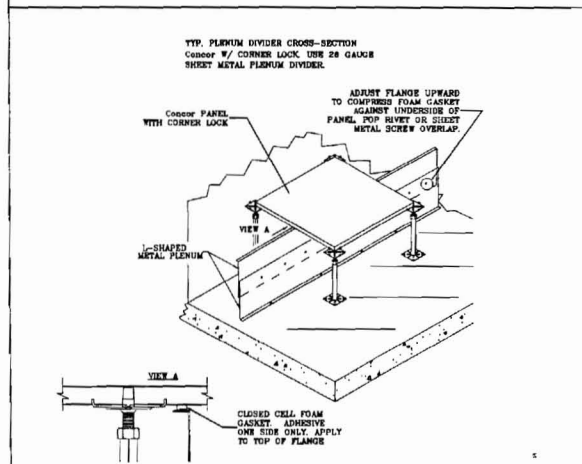
DETAIL 6 - RAMP MATERIALS & DIAGRAM (NTS)

MATERIAL LIST

1 ALUMINUM THRESHOLD MOLDING	8 #8 X 3/4" LONG FHSMS (12" O.C.)
2 RAISED ACCESS FLOOR PANEL	9 STEEL FASCIA ANGLE
3A ALUMINUM RAMP SHOE	10 PEDESTAL ADHESIVE
3B PEDESTAL	11 RADIAL RUBBER
4 STEEL RAMP CHANNEL	
5 SWIVEL HEAD PEDESTAL	
6 PEDESTAL BASE	
7 PANEL FINISH APPLIED RADIAL RUBBER	



DETAIL 7 - FREESTANDING PLENUM



SECTION 1 - EXISTING BRICK WALL CONDITION DETAIL

