

SPECIFICATIONS

Indoor freezer (-10°F) (no floor)  
Vinyl foam NSF gasket (1/16" joint thickness), Cam-lock layout #4

SPECIAL INSTRUCTIONS

Standard crating  
Logo Plate Special Location: (Imperial Brown)

WALL PANELS

Construction: 4" high density urethane (R-32)  
Exterior Finish: 26 ga. stucco galvalume (Rigidized)  
Interior Finish: 26 ga. stucco galvalume (Rigidized)  
Ceiling connections: Lag down  
Floor connections: Angle screed

CEILING PANELS

Construction: 4" high density urethane (R-32)  
Exterior Finish: 26 ga. stucco galvalume  
Interior Finish: 26 ga. stucco galvalume  
Ceiling Caps: Loose ceiling trim  
Live Load: 10 psf

DOORS

[A]: 76" x 122" R-Plus Doors single leaf horizontal electric sliding freezer door  
(RIGHT SLIDE) door  
Liners: 26 ga. stucco galvalume  
Frame: None

PARTS

(10) ea. LED high bay light fixture for cooler or freezer application (Kason #1820 - 60W, 120-277V, 0.5A) (Fixture ships loose for field installation.)  
(21) ea. IB cove base-6" x 96" x 26 ga. stucco galvalume  
(81) lf. External roof support-C-Channel w/ beam spreaders  
(2) runs of 26'-11"  
(2) pair Beam spreader, 6" x 3 1/2" x 1/2" x 90" long  
(1) Set Pit Material-VERIFY PIT DEPTH  
Pit size = 323" x 564 1/2" x 10" deep  
Insulation thickness = 6"  
Includes R-Max 48" x 96" x 2" stock board urethane, 6 mil. Visqueen vapor barrier, 15# building felt and asphalt emulsion  
(21) ea. Interior seismic tie-down @ floor level-(3" x 2") x 96" x 16 ga. smooth galvanized (w/ HILTI KBTZ2)  
(23) ea. Interior seismic tie-down @ ceiling level-(2" x 2") x 96" x 26 ga. stucco galvalume  
(1) ea. Mars air curtain-#HV284-2UG-TS, unheated, 208/1ph/60Hz, 10A  
Includes adjustable time delay, mounting bracket, humidistat (24VAC), and magnetic reed switch (surface mount)

REFRIGERATION

Russell RH6E053EDA Evaporator  
Heavy Duty with EcoNet  
208-230V, 3ph, 60Hz; Fan Amps: 6.3A; Heater Amps: 14.4A; MCA: 16.4, MOPD: 20  
Dimensions: 59 7/8" x 27 3/8" x 46 1/8"H

SPECIAL PANELS

W36 w/ (1) ea. Modularm 75LC multi-monitor temperature alarm w/1P-1 illuminated push button  
W36, V1.A w/ (3) ea. Electrical components to be pre-wired-Temperature alarm and air vent only  
Includes terminal J-boxes  
NOTE: Some exceptions apply, like for components in a circuit that span multiple panels.  
V1.A w/ (1) ea. Kason 1847 magnum flow heated air vent (56W, 120V, .5A)

NOTES

STANDARD NOTES

To prevent condensation, a minimum 2" from the walk-in exterior surface is required. High humidity conditions may require force ventilation in addition to clearance.

Installation site floor must be true and level within 3/16" per 10' or additional costs may be incurred.

R-Plus Doors sliding and vertical lift doors shall not be considered means of egress. Check code egress requirements for your application.

INSULATED PIT

Insulated pit plan is provided to locate thermal break and door notch locations and size. Pit depth, concrete floor above and below insulation, design, reinforcement, thickness & construction of concrete should be designed by a Qualified Professional Engineer familiar with cold storage design, the site conditions and end users application. See project contract documents. All concrete and excavation work & design is by others.

RECESSED PIT

Recess plan is provided to set min. size to allow panel installation. Recess depth, concrete floor above and below insulation, design, reinforcement, thickness & construction of concrete should be designed by a Qualified Professional Engineer familiar with cold storage design, the site conditions and end users application. See project contract documents. All concrete and excavation work & design is by others.

ELECTRICAL

Field electrician to verify maximum acceptable load for light switches.If load is too high, then relay type controls should be used.  
After wiring devices, ALL conduits must be sealed to stop moisture transfer through electrical raceways.  
Failure to seal device per NEC codes WILL VOID WARRANTY.

REVISIONS

01 01/10/2025 Add radio set to sliding door.  
02 01/31/2025 Reduce footprint of walk-in to fit within existing pit (estimated), change ceiling support to self-supporting, add air curtain, add evaporators.  
03 03/19/2025 Update air curtain specs (unheated).  
04 03/24/2025 Updated drawing per ENO redlines

3. SPECIAL INSPECTIONS & TESTING (QUALITY ASSURANCE PLAN):

A. GENERAL:

1. INDEPENDENT TESTING LAB SHALL BE RETAINED BY OWNER TO PROVIDE INSPECTIONS AND SPECIAL INSPECTIONS AS DESCRIBED HEREIN.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ON SITE ACCESS TO ALL REQUIRED INSPECTIONS AND NOTIFIES TESTING LAB IN TIME TO PERFORM SUCH INSPECTIONS PRIOR.
3. DO NOT COVER WORK REQUIRED TO BE INSPECTED PRIOR TO INSPECTION BEING MADE. IF WORK IS COVERED, CONTRACTOR WILL BE RESPONSIBLE FOR UNCOVERING AS NECESSARY.
4. THE CONTRACTOR SHALL CORRECT ALL DEFICIENCIES AS NOTED WITHIN THE SPECIAL INSPECTION REPORTS AND/OR THE ENGINEER OF RECORD'S FIELD OBSERVATION (STRUCTURAL OBSERVATIONS) REPORTS TO BRING THE CONSTRUCTION INTO COMPLIANCE WITH THE CONTRACT DOCUMENTS, ADDENDUMS, REVISIONS, RFIS AND/OR WRITTEN INSTRUCTIONS. THE CONTRACTOR IS RESPONSIBLE TO REQUEST SUMMARY REPORTS FROM THE SPECIAL INSPECTOR AND ENGINEER OF RECORD AT THE TIME OF THE PROJECT SUBSTANTIAL COMPLETION. PRIOR TO REQUESTING THE SUMMARY OF STRUCTURAL OBSERVATION REPORTS FROM THE ENGINEER OF RECORD, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT AND ENGINEER OF RECORD A LETTER STATING THAT ALL OUTSTANDING ITEMS NOTED ON PREVIOUS STRUCTURAL OBSERVATION REPORTS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, ADDENDUMS, REVISIONS, RFIS AND/OR WRITTEN INSTRUCTIONS.

B. SPECIAL INSPECTIONS

1. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AS RECOMMENDED BY THE LOCAL BUILDING JURISDICTION.
2. REQUIRED SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED TESTING LABORATORY EMPLOYED BY THE OWNER PER SECTION 1704 OF THE 2022 CBC FOR THE AREAS INDICATED IN THE SPECIAL INSPECTION PROGRAM.
3. THE INDEPENDENT CERTIFIED TESTING LABORATORY AND INSPECTORS SHALL BE A QUALIFIED PERSON WHO SHALL SHOW COMPETENCE TO THE SATISFACTION OF THE LOCAL BUILDING OFFICIAL, OWNER, ARCHITECT AND ENGINEER OF RECORD FOR THE PARTICULAR OPERATION. ALL SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT, ARCHITECT AND ENGINEER OF RECORD STATING THE PROJECT NAME AND ADDRESS.
4. THE CONTRACTOR AND SPECIAL INSPECTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY ITEMS NOT COMPLYING WITH THE PROJECT SPECIFICATIONS, CONTRACT DOCUMENTS AND/OR APPLICABLE CODES BEFORE PROCEEDING WITH ANY WORK INVOLVING THAT ITEM. THE ENGINEER OF RECORD WILL REVIEW THE ITEM AND DETERMINE ITS ACCEPTABILITY. IF WORK INVOLVING THAT ITEM PROCEEDS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD, THEN THE WORK WILL BE CONSIDERED NON-COMPLIANT.

SPECIAL INSPECTIONS PROGRAM			
ESTABLISHED PER 2022 CBC			
	CONTINUOUS	PERIODIC	COMMENTS
GENERAL STRUCTURAL INSPECTIONS AS REQUIRED BY SECTION 1704			
CONCRETE CONSTRUCTION: CBC 1705A.3			
EPOXY OR ADHESIVE ANCHOR PLACEMENT		X	BY BUILDING OFFICIAL
EXPANSION OR SCREW ANCHOR PLACEMENT		X	ACI 318: 17.8.2

POST-INSTALLED ANCHORS

A. MECHANICAL ANCHORS

1. APPROVED EXPANSION ANCHORS FOR CONCRETE:
  - a. HILTI KWIK BOLTS T22 (ICC ESR-4266)
2. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS AND CERTIFICATION TESTING REPORTS FOR EXPANSION ANCHOR INSTALLATION.
3. ALTERNATIVE EXPANSION ANCHORS IN CONCRETE APPLICATION MAY BE USED IF AN (ICC-ES ESR) OR (IAPMO-UES ER) APPROVAL FOR USE IN CRACKED CONCRETE IS SUBMITTED TO THE E.O.R. AND APPROVED PRIOR TO USE.
4. ALTERNATIVE EXPANSION ANCHORS IN GROUTED MASONRY APPLICATION MAY BE USED IF AN (ICC-ES ESR) OR (IAPMO-UES ER) APPROVAL FOR USE IN GROUTED MASONRY IS SUBMITTED TO THE E.O.R. AND APPROVED PRIOR TO USE.

B. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY MANUFACTURER OR SUCH OTHER METHOD AS APPROVED BY THE E.O.R. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE E.O.R. PRIOR TO USE. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.

C. REFER TO STRUCTURAL DRAWINGS FOR EMBEDMENT DEPTH, ROD TYPE AND SIZE, AND OTHER SPECIFIC INFORMATION.

D. DO NOT APPLY LOAD TO ANCHOR UNTIL CONCRETE OR GROUT HAS REACHED FULL DESIGN STRENGTH.

E. ALL HOLES SHALL BE DRILLED WITH ANSI STANDARD BIT DESIGNED FOR CONCRETE OR HOLLOW DRILL BIT, DIAMOND CORED HOLES ARE NOT ALLOWED UNLESS INDICATED IN DESIGN DETAIL OR PRE-APPROVED BY THE E.O.R.

F. ABANDONED HOLES – NO ANCHOR SHALL BE INSTALLED WITHIN 1.5 ROD DIAMETERS OF AN ABANDONED HOLE THAT HAS BEEN GROUT FILLED, (3.0 ROD DIAMETERS FOR UN-GROUTED HOLES).

G. OVER DRILL BAR DIAMETER BY ¼" U.N.O. BY THE MANUFACTURER AND TO THE REQUIRED DEPTH AS INDICATED ON THE STRUCTURAL DRAWINGS.

H. REMOVE ALL DIRT, DUST, WATER AND ICE FROM DRILLED HOLES BEFORE INSTALLATION.

I. REMOVE ANY DIRT, DUST, RUST OR OIL ON BAR OR ROD BEFORE INSTALLATION U.N.O.

J. ALL MANUFACTURERS RECOMMENDATIONS SHALL BE FOLLOWED EXACTLY.

L. TESTING:

- A. FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOB SITE TESTING IN ACCORDANCE WITH THE TEST LOAD AS INDICATED IN THE ANCHOR DETAILS. TEST 50% OF THE INSTALLED ANCHORS. FOR TENSION TESTION TESTING, A TEST LOAD OF 2500 LBF MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION IN THE ANCHOR SUCH AS DIRECT PULL WITH A HYDRAULIC JACK OR CALIBRATED SPRING LOADING DEVICES TO ALL 3/8" X 3 1/2" HILTI KB-T22 & 1/2" X 3 3/4" HILTI KB-T22 ANCHORS PER ESR 4266. FOR TORQUE TESTING, A TEST LOAD OF 30 FT-LBF & 50 FT-LBF SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH TO ALL 3/8" X 3 1/2" HILTI KB-T22 & 1/2" X 3 3/4" HILTI KB-T22 ANCHORS RESPECTIVELY PER ESR 4266.  
ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE INSPECTOR OF RECORD. IF ANY ANCHOR FAILS THE TEST, TEST ALL ANCHORS. THE TEST SHALL BE PERFORMED 24 HOURS OR MORE AFTER INSTALLATION. TESTING MAY BE DONE PRIOR TO EQUIPMENT INSTALLATION.  
ALSO REFER TO CBS 1910A.5 "TEST FOR POST INSTALLED ANCHORS IN CONCRETE"

M. FAILURE/ACCEPTANCE CRITERIA:

THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:

- A. HYDRAULIC RAM METHOD: APPLY AND HOLD TEST LOAD FOR A MINIMUM OF 15 SECONDS. THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD WHERE WASHERS ARE USED. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE OR BY A CONTINUOUS LOSS OF JACKING PRESSURE.
- B. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:  
EXPANSION TYPE: ONE-HALF (1/2) TURN OF THE NUT 3/8" SLEEVE ANCHOR ONLY: ONE-QUARTER (1/4) TURN SCREW TYPE: ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD



NSF LABEL  
N.S.F. LISTED (STD #7)  
N.S.F. GASKET @ ALL PANEL JOINTS

THE MINIMUM BTU'S SHOWN ARE BASED ON NSF STANDARD #7, SECTION 5, PARAGRAPH 5.36.7, REQUIREMENTS (REF. TABLE 1). THESE NUMBERS ARE NOT INTENDED TO BE USED FOR SIZING OF REFRIGERATION UNITS FOR THIS WALK-IN. THE MANUFACTURER RECOMMENDS CONSULTING WITH A QUALIFIED ENGINEER OR REFRIGERATION CONTRACTOR.

LARR #25184

DESIGN CRITERIA:

BASIC DESIGN LOADS:

CEILING DL = 5 PSF  
CEILING LL = 10 PSF  
MINIMUM INDOOR LATERAL LOAD = 5 PSF

SEISMIC DESIGN DATA:

Ss = 1.137 g  
S1 = 0.385 g  
Sds = 0.909 g  
SDC = D  
SITE CLASS = D-DEFAULT  
RISK CATEGORY = IV  
IMPORTANCE FACTOR, I = 1.5  
RESPONSE MODIFICATION FACTOR, R = 1.0 (SHEAR WALL)  
R = 1.0 (MOMENT FRAME)

\*ANY FUTURE ROOF/CEILING LID MOUNTED EQUIPMENT NOT CURRENTLY SHOWN ON THE APPROVED SHOP DRAWINGS SHALL BE COORDINATED WITH THE EOR PRIOR TO ANY INSTALLATION, TYP.

STAMP



04/17/2025



851 N. Hickory Ave, Suite  
200 Meridan, ID 83642  
(208) 345-8941

web www.tamarackgrove.com

firm #: N/A

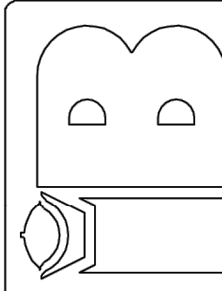
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FOOD SERVICE DESIGN GROUP  
SAN DIEGO, CA

NATIONAL CITY SCHOOL DISTRICT WAREHOUSE  
NATIONAL CITY, CA



IMPERIAL BROWN  
1600 Broadway  
Gresham, OR 97030  
Phone: 503-666-5539  
Fax: 503-666-5539  
www.imperial-brown.com

DO NOT SCALE THIS DRAWING

SCALE: 3/16" = 1'-0"

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BY: Kyle Lewis

CHK'D BY:

DRW#: 25-IB-14381-01

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SHEET: 1 OF 6



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FOOD SERVICE WALK-IN FREEZER DRAWING

CENTRAL WAREHOUSE  
FREEZER REPLACEMENT

FREEZER REPLACEMENT

1400 N AVENUE  
NATIONAL CITY, CA 91950

SUBMITTALS / REVISIONS

#	ISSUE	DATE
1	DSA SUBMITTAL V1	03/19/2025
2	DSA SUBMITTAL V2	04/30/2025

**BID SET 5/1/2025  
NOT FOR  
CONSTRUCTION  
PROJECT STILL IN  
REVIEW**

PROJECT NO. 2239-E-02

SHEET NO.

K-3.0