



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

C-11-003213

I. IDENTIFICATION

- Proposed Work Site at: 744, Route 70, Buick, NJ - 08723
- Name of Owner in Fee: KAMI'S VORADO REALTY Tel. (262) 703 7000
Address 156 W 17000 RIDGEWOOD DRIVE, MENOMONEE FALLS WI - 53051
street municipality zip code
210 Rt. 4 West Paranoid, NJ
- Ownership in fee: Public _____ Private _____
- Principal Contractor: NVT LICENSES LLC abc SUNEDISON Tel. (856) 330 1482
Address 100 TWINBRIDGE DRIVE SUITE J, PENNSAUKEN NJ - 08110
License No. OR, if new home, Builder Reg. No. 13597B Exp. Date 03/30/12
Federal Employee No. 20-3895370 FAX: (856) 330 1493
- Architect or Engineer JAMES A. MARX JR. Tel. (973) 557 6080
Address 10 HIGH MOUNTAIN RD, PINGWOOD, NJ - 07456 Contact _____
- Responsible Person in Charge once Work has Begun WILLIAM ROGOVE
Tel. (856) 382 4328 FAX: (856) 330 1493

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$	<u>3,318</u> ✓	
2. Electrical		<u>200</u> ✓	
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	\$		
7. Less 20% for State Plan Review			
8. Subtotal	\$	<u>965</u>	
9. State Permit Surcharge Fee			
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$	<u>4,473</u>	

VI. BUILDING/SITE CHARACTERISTICS

- Number of Stories _____
- Height of Structure _____ ft.
- Area — Largest Floor _____ sq. ft.
- New Building Area _____ sq. ft.
- Volume of New Structure _____ cu. ft.
- Construction Classification _____
- Total Land Area Disturbed _____ sq. ft.
- Flood Hazard Zone _____
- Base Flood Elevation _____ ft.
- Wetlands yes _____ no _____
- Max. Live Load _____
- Max. Occupancy Load _____

(office use only)

4 PLANS ARE IN BACK STORAGE ROOM

II. PROPOSED WORK

- ☐ Minor Work
- ☐ New Building
- ☒ Addition
- ☐ a. Repair
 - ☐ b. Alteration
 - ☐ c. Renovation
 - ☐ d. Reconstruction
- ☐ Fire Protection
- ☐ Plumbing
- ☐ Electrical
- ☐ Elevator Devices
- ☐ Asbestos Abat. Subch. 8
- ☐ Lead Hazard Abatement
- ☐ Demolition

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates	Re-viewer
	<u>YM</u>	<u>3/21/11</u>	<u>9/11/11</u>	<u>10/13/11</u>			<u>KA</u>
<u>140400</u>							
<u>421200</u>				<u>9/13/11</u>	<u>DT</u>		
	<u>Eng</u>	<u>Exempt</u>	<u>9/7/11</u>	<u>ECC</u>			
TOTAL COSTS							

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

- State Specific Use:
- Use Group:
- Change in Use Group, Indicate Former:
- No. of dwelling units: All Units Income-restricted
 - Before Construction _____
 - After Construction _____
 - Net Gain or Loss _____

B. NON-RESIDENTIAL

- State Specific Use:
- Use Group:
- Change in Use Group, Indicate Former:

III. DO YOU WANT: (optional)

- ☐ Partial Releases
- ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- ☐ Elevators/Escalators/Lifts/Dumbwaiters/Moving Walks
- ☐ High Pressure Boilers
- ☐ Pressure Vessels
- ☐ Refrigeration Systems
- ☐ Cross-Connections/Backflow Preventers
- ☐ Hazardous Uses/Places of Assembly
- ☐ Sprinklers
- ☐ Smoke Control Systems in Open Wells
- ☐ Underground Storage Tanks
- ☐ Swimming Pools, Spas and Hot Tubs

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:
I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:
C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

- C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☐ Check if contractor.

Agent Name WILLIAM ROGOVE

Address 100 TWINBRIDGE DR, PENNSAUKEN, NJ - 08110

Telephone (856) 382 4328

Signature [Signature]

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☐ Zoning Officer									
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Department of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Department of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition	Name of Code & Edition
Building _____	Energy _____
Electrical _____	Barrier Free _____
Plumbing _____	Flood Hazard _____
Fire Protection _____	As Built Elevation Cert. _____
Mechanical _____	Other _____

X. CERTIFICATES ISSUED (office use only)

	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____

10/17/11

LM Permits ready

10/17/11

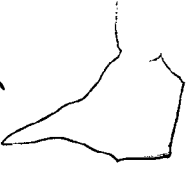
spoke w/ Luke

4,523⁰⁰

- status check

LS

mdj



APPROVAL - PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY

RESIDENTIAL AND COMMERCIAL

	DATE	INITIAL
APPLICATION FOR C OF O GIVEN WHEN CALLING FOR FINAL INSPECTIONS		
ALL TECHNICALS SIGNED BY PROSPECTIVE INSPECTOR		
HOMEOWNER'S WARRANTY FORM WITH BUYER'S NAME ON IT		
MERCER COUNTY SOIL APPROVAL EXCEPT FOR LAND DISTURBED UNDER 5,000 SQ. FT. TEMP CLEAR		
REASON		
AUTHORIZED BY:		
FINAL "AS-BUILT" APPROVED BY ENGINEERING AND/OR DIV. OF TECHNICAL SERVICES OR MEMO STATING POSTING OF BOND		
C OF O TYPED AFTER ALL APPROVALS ARE GIVEN		
OTHER		



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 9/11/2012
Control Number C-11-003213
Permit Number 11-3354
Permit Issue Date 11/3/2011
Certificate Number 11-3354

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 744 ROUTE 70 Kohl's Department Store Block: 701 Lot: 7 Qual: _____
Brick Township, NJ
Owner in Fee: BRICKTOWN VF LLC %VORNADO REALTY
Owner Address: 210 ROUTE 4 EAST PARAMUS NJ 07652
Telephone: _____
Contractor NVT LICENSES, LLC dba SUN EDISON
Address 100 TWINBRIDGE DRIVE SUITE J PENNSAUKEN NJ 08110
Telephone: 8563301482 Fax: _____
License Number or Builders Registration Number: 13597B Federal Emp. Number: 20-3835370
Home Warranty Number: _____
Type of Warranty Plan: ☐ State ☐ Private
Use Group: M Construction Classification: _____
Maximum Live Load: 0 Maximum Occupancy Load: 0
Description of Work/Use: SOLAR PANELS

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than:
or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____



CONSTRUCTION PERMIT

Date Issued
Control #
Permit #

11-3-2011
C-11-003213
11-3354

IDENTIFICATION Block: 701 Lot: 7 Qualifier
Work Site Location: 744 ROUTE 70 Kohl's Department Store Brick Contractor NVT LICENSES, LLC dba SUN EDISON
Township, NJ Address 100 TWINBRIDGE DRIVE SUITE J PENNSAUKEN NJ
Owner in Fee BRICKTOWN VF LLC %VORNADO REALTY 08110
210 ROUTE 4 EAST PARAMUS NJ 07652 Telephone: (856) 330-1482
Telephone: Lic. No. or Bldrs. Reg. No. 13597B
Federal Employee No. 20-3835370

Is hereby granted permission to perform the following work:

- ☒ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

SOLAR PANELS

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$561,600

Construction Official

Date

10-14-11

U.C.C. F170
equiv (rev 8/03)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$3,318
Electrical	\$200
Plumbing	\$0
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$955
CO Fee	
Other	\$0
Total	\$4,473
Check No.	114157
Cash	\$0
Credit	\$0
Collected By	

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code:

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

- ☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

CONTRACTOR MUST BE ON SITE WITH LADDER FOR INSPECTION.
ROUGH ELECTRIC AND BUILDING MUST BE SCHEDULED AT THE SAME TIME
FINAL ELECTRIC INSPECTION IS NECESSARY

- ☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".
- ☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

RECEIVING CLERK JP PERMIT # 2011-00975
DATE REC'D 8/24/11 DATE ISSUED 11-3-2011
BLOCK: 701 LOT: 7 QUALIFIER: --- SITE ADDRESS: 664 Route 20 Brick NJ-08723

IDENTIFICATION:
1. NAME OF OWNER IN FEE: Kohl's
COMPLETE ADDRESS: NS6 61200 RIDGEWOOD DRIVE MEMPHIS, TN 38117
PHONE # 262 703 7000 EMAIL: ---

2. NAME OF APPLICANT: NVT LICENSES LLC dba SUNEDISON
APPLICANT ADDRESS: 100 TOWNBRIDGE DR SUITE 3 PENNSAVER, NJ
PHONE # 856 330 1482 EMAIL: ---

3. RESPONSIBLE PERSON FOR WORK: WILLIAM ROANOKE
PHONE # 856 362 4328 FAX # ---

4. SIGNATURE OF APPLICANT: [Signature]

FEE SUMMARY:
APPLICATION FEE: \$ 450
OTHER: \$ ---
TOTAL: \$ ---

REQUIRED BY APPLICANT
RESIDENTIAL: ---
COMMERCIAL: ---
EXISTING USE: Kohl's Bldg
PROPOSED USE: Kohl's Bldg
BOARD APPROVAL: --- PB --- ZB ---
RESOLUTION #: ---
APPROVAL DATE: ---

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)
*NEW BUILDING: --- *ADDITION ✓ *ALTERATION --- *PORCH --- *DECK ---

POOL: ABOVE GROUND --- IN GROUND --- FENCE: HEIGHT --- TYPE ---
HEIGHT: --- (*APPLICABLE)
OTHER: 1664 Modules

DESCRIPTION: Solar Panels on Roof

ZONING REVIEW: 9/2/11 DATE DENIED: --- DATE APPROVED: 9/2/11 INTLS: 420
DATE REVIEWED: 9/2/11

(SEE BACK PAGE)

OKC/ICMA

TOWNSHIP OF BRICK ZONING CHECKLIST

1) Two (2) copies of plot plan containing:

- All existing and proposed structures
- All dimensions of the lot and structures
- All setbacks from the structures to the property lines
- All adjacent streets and waterways
- If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

2) Two copies of the plans with dimensions and heights noted:

- Floor plans and elevations
- Signed site plans
- Property map
- Survey map

Choose which is applicable for submission

3) Plot plans and building plans must match for complete review

NOTE: NO PARTIAL, TAPED, FAXED, REDUCED OR ENLARGED COPIES CAN BE ACCEPTED

LAND USE

245 Attachment 5

Township of Brick

SCHEDULE OF AREA; YARD AND BUILDING REQUIREMENTS

Township of Brick

Ocean County, New Jersey

[Amended 6-26-1979 by Ord. No. 354-2B-79; 4-22-1980 by Ord. No. 354-2H-80; 10-14-1980 by Ord. No. 354-2N-80; 9-23-1980 by Ord. No. 354-1B-80; 8-25-83 by Ord. No. 354-2SS-83; 11-5-1984 by Ord. No. 354-2AAA-84; 11-5-1984 by Ord. No. 354-2CCC-84; 6-24-1986 by Ord. No. 354-2WWW-86; 9-13-1988 by Ord. No. 354-2TTT-88; 9-27-1988 by Ord. No. 354-2XXX-88; 9-12-2000 by Ord. No. 354-2EE-00; 5-9-2000 by Ord. No. 354-2Z-00; 3-26-2002 by Ord. No. 354-2C-02; 11-26-2002 by Ord. No. 354-2L-02; 3-25-2003 by Ord. No. 354-2D-03; 6-13-2006 by Ord. No. 19-06]

Zone	Minimum Lot Size				Minimum Required Yard Depth								Maximum Lot Coverage by Building	Maximum Building Height				Minimum Floor/ Building Area (square feet) 2 stories/1 story	Maximum Allowable Impervious Coverage
	Interior Lots		Corner Lots		Principal Building				Accessory Building		Stories			Eaves (feet)		Ridge (feet)			
	Area (square feet)	Width (feet)	Depth (feet)	Area (square feet)	Width (feet)	Depth (feet)	Front Yard (feet)	Side Yard (feet)	Rear Yard (feet)	Side Yard (feet)									
R-R	40,000	150	150	40,000	150	150	50	25	50	50	25	25	25%	-	25	-	-	-	
RR-2	See § 245-90.																		
RR-3	See § 245-103.																		
R-20	20,000	100	125	25,000	100	125	40	15	40	10	10	25%	-	25	35	38.5	-		
R-15	15,000	100	115	17,250	100	115	35	12	35	10	10	25%	-	25	35	38.5	-		
R-10	10,000	90	100	10,500	100	100	30	6	20	5	5	30%	-	25	35	38.5	-		
R-7.5	7,500	75	90	9,000	75	90	25	6	15	5	5	30%	-	25	35	38.5	-		
R-5	5,000	50	75	6,000	50	75	20	5	12	5	5	35%	-	25	35	38.5	-		
O-P	15,000	100	150	15,000	100	150	50	10	50	20	50	35% ²	2	-	35	38.5	1,500		
B-1	10,000	100	90	12,500	100	125	30	10	20	10	20	30% ²	2	-	35	38.5	1,000		
B-2	20,000	125	125	20,000	125	125	50	10	50	10	50	30% ²	2	-	35	38.5	2,000		
B-3	2 acres	200	200	2 acres	200	200	75	30	50	20	50	25% ²	-	-	35	38.5	2,000		
B-4	5 acres	300	300	-	-	-	100	50(150')	100(150')	20	50	25%	3	-	35	38.5	30,000		
M-1	5 acres	300	300	5 acres	300	300	100	50	150	75	150	30% ²	-	-	35	38.5	5,000		
R-M	25 acres	350	200	-	-	-	50	50	30	30	30	20%	-	25	35	38.5	-		
O-P-T	40,000	150	150	40,000	150	150	50	20	50	20	50	25% ²	2	-	35	38.5	2,000		
H-S	See § 245-261.																		

NOTES:

- 1 If adjacent to residential zone or use.
- 2 The maximum lot coverage shall refer only to that percentage of an affected lot which is suitable for building.
- 3 For rear yard setback requirements for accessory buildings on waterfront property, see § 245-10D.

OFFICE USE ONLY

[illegible]



Brick Township
401 Chambers Bridge Rd.

Brick, NJ 08723
(732) 262-1027

Date Issued: 11-3-2011
Application Number: ZA-11-00949
Application Date: 08/31/2011
Project Number: _____
Permit Number: 20-11-00975
Fee: \$50

Zoning Permit

Worksite **744 ROUTE 70**
Location: **Kohl's Department Store**
Brick Township, NJ

Block: 701
Lot: 7
Qualifier: _____
Zone: B-3

Owner: **BRICKTOWN VF LLC %VORNADO REALTY**
Address: **210 ROUTE 4 EAST**
PARAMUS, NJ 07652

Applicant: **NVT Licesnses LLC**
Address: **100 Twinbridge Dr. Suite J**
Pennsauken , NJ 08110

Application Approved Date: 09/02/2011

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Use is: Shopping Center - Kohls - Roof Mounted Solar Panels & Inverter

Nonconforming Use is: _____

Work Description:

Roof Mounted Solar Panels - Installation of 1,664 roof mounted solar panels and a 6' x 10' Inverter Pad.

Upon review it was determined that:

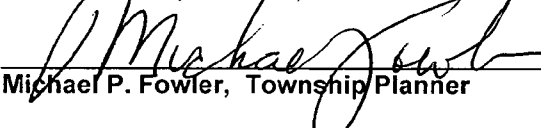
- ☒ Use is permitted by Ordinance
☐ Use is permitted by Variance approved on: _____
☐ Valid Nonconforming Use is established by
 ☐ Zoning Board of Adjustment
 ☐ Zoning Officer



Tara B. Paxton, AICP/PP, Assistant Planner

10/12/2011

Date



Michael P. Fowler, Township Planner

10/12/11
Date



Brick Township
401 Chambers Bridge Rd.

Brick, NJ 08723
(732) 262-1027

Date Issued: _____
Application Number: ZA-11-00949
Application Date: 08/31/2011
Project Number: _____
Permit Number: _____
Fee: \$50

Zoning Permit

Worksite **744 ROUTE 70**
Location: **Kohl's Department Store**
Brick Township, NJ

Block: 701
Lot: 7
Qualifier: _____
Zone: B-3

Owner: **BRICKTOWN VF LLC %VORNADO REALTY**
Address: **210 ROUTE 4 EAST**
PARAMUS, NJ 07652

Applicant: **NVT Licesnses LLC**
Address: **100 Twinbridge Dr. Suite J**
Pennsauken , NJ 08110

Application Approved Date: 09/02/2011

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Use is: Shopping Center Roof Mounted Solar Panels

Nonconforming Use is: _____

Work Description:

Roof Mounted Solar Panels - Installation of 1,664 roof mounted solar panels. No equipment or mechanicals may be installed outside of the footprint of the building.

Upon review it was determined that:

- ☒ Use is permitted by Ordinance
- ☐ Use is permitted by Variance approved on: _____
- ☐ Valid Nonconforming Use is established by
 - ☐ Zoning Board of Adjustment
 - ☐ Zoning Officer

Updated for Inverter
MPK


Tara B. Paxton, AICP/PP, Assistant Planner

09/02/2011

Date


Michael P. Fowler, Township Planner

9/6/11
Date

plans sent to NJ Desk



Brick Township
401 Chambers Bridge Rd.

Brick, NJ 08723
(732) 262-1027

Date Issued: _____
Application Number: ZA-11-00949
Application Date: 08/31/2011
Project Number: _____
Permit Number: _____
Fee: \$50

Zoning Permit

Worksite **744 ROUTE 70**
Location: **Kohl's Department Store**
Brick Township, NJ

Block: 701
Lot: 7
Qualifier: _____
Zone: B-3

Owner: **BRICKTOWN VF LLC %VORNADO REALTY**
Address: **210 ROUTE 4 EAST**
PARAMUS, NJ 07652

Applicant: **NVT Licesnses LLC**
Address: **100 Twinbridge Dr. Suite J**
Pennsauken , NJ 08110

Application Approved Date: 09/02/2011

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Use is: Shopping Center Roof Mounted Solar Panels

Nonconforming Use is: _____

Work Description:

Roof Mounted Solar Panels - Installation of 1,664 roof mounted solar panels. No equipment or mechanicals may be installed outside of the footprint of the building.

Upon review it was determined that:

- ☒ Use is permitted by Ordinance
- ☐ Use is permitted by Variance approved on: _____
- ☐ Valid Nonconforming Use is established by
 - ☐ Zoning Board of Adjustment
 - ☐ Zoning Officer

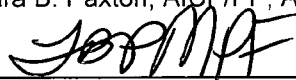
*Updated for
Inventory
MPK*



Tara B. Paxton, AICP/PP, Assistant Planner

09/02/2011

Date



Michael P. Fowler, Township Planner

9/2/11
Date

RECEIVING CLERK

DATE REC'D

ZONING PERMIT APPLICATION

PERMIT #

DATE ISSUED

BLOCK: 701

LOT: 7

QUALIFIER:

SITE ADDRESS: 664 Route 70

IDENTIFICATION:

1. NAME OF OWNER IN FEE: Kohl's (Corporate)

COMPLETE ADDRESS: 1256 W17000 Ridgewood Dr

Menomonee Falls WI 53051

PHONE # 262-703-7000 EMAIL:

2. NAME OF APPLICANT: NVT Licenses, LLC dba SunEdison

APPLICANT ADDRESS: 100 Twinbridge Dr Suite 1

Wausau WI 54980

PHONE # 856 930 1482 EMAIL: Lwin1050@SunEdison.com

3. RESPONSIBLE PERSON FOR WORK: NVT Licenses, LLC dba SunEdison

PHONE# FAX#

4. SIGNATURE OF APPLICANT: [Signature]

FOR OFFICE USE ONLY

FEE SUMMARY:

APPLICATION FEE: \$

OTHER: \$

TOTAL: \$

REQUIRED BY APPLICANT

RESIDENTIAL: ☒

COMMERCIAL: ☒

EXISTING USE: Kelley

PROPOSED USE: Kelley

BOARD APPROVAL: PB ZB

RESOLUTION#:

APPROVAL DATE:

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)

*NEW BUILDING: ☐ *ADDITION: ☐ *ALTERATION Solar ☒ *PORCH ☐ *DECK ☐

POOL: ABOVE GROUND ☐ IN GROUND ☐ FENCE: HEIGHT ☐ TYPE ☐

HEIGHT: 10' (*APPLICABLE)

OTHER:

DESCRIPTION: Inverter for solar system

ZONING REVIEW:

DATE REVIEWED: DATE DENIED: DATE APPROVED: INTLS: (SEE BACK PAGE)

TOWNSHIP OF BRICK ZONING CHECKLIST

1) Two (2) copies of plot plan containing:

- All existing and proposed structures
- All dimensions of the lot and structures
- All setbacks from the structures to the property lines
- All adjacent streets and waterways
- If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

2) Two copies of the plans with dimensions and heights noted:

- Floor plans and elevations
- Signed site plans
- Property map
- Survey map

Choose which is applicable for submission

3) Plot plans and building plans must match for complete review

NOTE: NO PARTIAL, TAPED, FAXED, REDUCED OR ENLARGED COPIES CAN BE ACCEPTED

LAND USE

245 Attachment 5

Township of Brick

SCHEDULE OF AREA, YARD AND BUILDING REQUIREMENTS

Township of Brick

Ocean County, New Jersey

[Amended 6-26-1979 by Ord. No. 354-2B-79; 4-22-1980 by Ord. No. 354-2H-80; 10-14-1980 by Ord. No. 354-2N-80; 9-23-1980 by Ord. No. 354-1B-80; 8-25-83 by Ord. No. 354-2SS-83; 11-5-1984 by Ord. No. 354-2-AAA-84; 11-5-1984 by Ord. No. 354-2CCC-84; 6-24-1986 by Ord. No. 354-2WVW-86; 9-13-1988 by Ord. No. 354-2TTT-88; 9-27-1988 by Ord. No. 354-2XXXX-88; 9-12-2000 by Ord. No. 354-2EE-00; 5-9-2000 by Ord. No. 354-2Z-00; 3-26-2002 by Ord. No. 354-2C-02; 11-26-2002 by Ord. No. 354-2L-02; 3-25-2003 by Ord. No. 354-2D-03; 6-13-2006 by Ord. No. 19-06]

Zone	Minimum Lot Size						Minimum Required Yard Depth						Maximum Lot Coverage by Building	Maximum Building Height			Minimum Floor/ Building Area (square feet) 2 stories/1 story	Maximum Allowable Impervious Coverage
	Interior Lots			Corner Lots			Principal Building			Accessory Building				Stories	Eaves (feet)	Ridge (feet)		
	Area (square feet)	Width (feet)	Depth (feet)	Area (square feet)	Width (feet)	Depth (feet)	Front Yard (feet)	Side Yard, Each (feet)	Both Sides Combined (feet)	Rear Yard (feet)	Side Yard (feet)	Rear Yard ³ (feet)						
R-R	40,000	150	150	40,000	150	150	50	25			50	25	25	-	25		-	
RR-2	See § 245-90.																	
RR-3	See § 245-103.																	
R-20	20,000	100	125	25,000	100	125	40	15	-		40	10	10	-	25	35	38.5	
R-15	15,000	100	115	17,250	100	115	35	12	-		35	10	10	-	25	35	38.5	
R-10	10,000	90	100	10,500	100	100	30	6	20	20	20	5	5	-	25	35	38.5	
R-7.5	7,500	75	90	9,000	75	90	25	6	15	15	15	5	5	-	25	35	38.5	
R-5	5,000	50	75	6,000	50	75	20	5	12	15	15	5	5	-	25	35	38.5	
O-P	15,000	100	150	15,000	100	150	50	10	-		50	20	50	2	-	35	38.5	
B-1	10,000	100	90	12,500	100	125	30	10	-		20	10	20	2	-	35	38.5	
B-2	20,000	125	125	20,000	125	125	50	10	-		50	10	50	2	-	35	38.5	
B-3	2 acres	200	200	2 acres	200	200	75	30	-		50	20	50	2	-	35	38.5	
B-4	5 acres	300	300	-	-	-	100	50(150 ¹)	-		100(150 ¹)	20	50	3	-	35	38.5	
M-1	5 acres	300	300	5 acres	300	300	100	50	-		150	75	150	-	-	35	38.5	
R-M	25 acres	350	200	-	-	-	50	50	-		30	30	30	2	25	35	38.5	
O-P-T	40,000	150	150	40,000	150	150	50	20	-		50	20	50	2	-	35	38.5	
H-S														-	-	-		

See § 245-261.

NOTES:

- 1 If adjacent to residential zone or use.
- 2 The maximum lot coverage shall refer only to that percentage of an affected lot which is suitable for building.
- 3 For rear yard setback requirements for accessory buildings on waterfront property, see § 245-10D.

OFFICE USE ONLY

[illegible]

ENGINEERING PERMIT APPLICATION

RECEIVING CLERK: _____
PERMIT #: _____

BLOCK: _____ LOT: _____ ADDRESS: 664 Route 20 Buick NJ - 08723

IDENTIFICATION:

1. WORK SITE ADDRESS: 664 Route 20 Buick NJ - 08723
2. NAME OF OWNER IN FEE: _____
ADDRESS: NSL 011000 RIDGEWOOD PHONE #: (212) 203 7000
MENOMONEE FALLS WI - 53051 FAX #: ()
PRINCIPAL CONTRACTOR: NUT Licenses LLC dba SUNEDISON
3. ADDRESS: 100 TWINBRIDGE DR PHONE #: (254) 330 1482
SUITE J, PENNSAULEN NJ 08100 FAX #: ()
4. ARCHITECT OR ENGINEER: JAMES A MARK JR.
ADDRESS: 10 HIGH MOUNTAIN RD PHONE: # (913) 557 6060
RINDGEWOOD NJ - 07054
5. RESPONSIBLE PERSON FOR WORK: WILLIAM ROGOVE
ADDRESS: 100 TWINBRIDGE DR, SUITE J, PENNSAULEN NJ 08100
PHONE #: (856) 362 4328 FAX #: (856) 330 1493 E-MAIL: _____

PROJECT DESCRIPTION:

- ☐ GRADING/CLEARING ☐ ROAD OPENING
☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL
☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL
☐ OTHER _____

LENGTH: _____ WIDTH: _____ HEIGHT: _____

ENGINEERING REVIEW:

DATE RECEIVED: _____ DATE REJECTED: _____ DATE APPROVED: _____ INITIALS: _____

FEE SUMMARY:

APPLICATION FEE: \$ _____
REVIEW FEE: \$ _____
INSPECTION FEE: \$ _____
OTHER: \$ _____
BOND(S): \$ _____
TOTAL: \$ _____

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____
DRAINAGE EASEMENTS: _____
UTILITY EASEMENTS: _____
CONSERVATION EASEMENTS: _____
FEMA REQUIREMENTS: _____
D.E.P. PERMITS: _____
BOARD APPROVAL: ☐ PB ☐ ZB
APPLICATION NUMBER: _____
APPROVED DATE: _____

Change of 11/18/12
Contractor

Existing # 11-3354



ELECTRICAL
SUBCODE
TECHNICAL SECTION

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 701 Lot 7
Work Site Location 744 Rt 70 Brick NJ 08723
Owner in Fee/Occupant Kohls
Address 1564 7000 Ridgewood Drive
Mayonahoe WI 53051
Tele. (262) 703 7000
Contractor WILLIAM F. LUBECK CO., INC.
Address 27 PEARL STREET

NORTH PLAINFIELD, NEW JERSEY 07060
Tele. (908) 756-0611 Fax (908) 756-9567
Lic. No. 8025
Federal Emp. No. 22-1660962

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____
☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____
Building Occupied as _____ Utility Co. _____
Est. Cost of Elec. Work \$ _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required			Type: Rough	Failure Approval Initial
Joint Plan Review Required:				
☐ Building	☐ Plumbing		Temp. Serv.	
☐ Fire	☐ Elevator		Constr. Serv.	
☐ Elec. Plans Approved			TCO	
Date: _____			Other	
Approved by: _____			Service	
			Final	

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA
Date: 2-11-12
Approved by: JS

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

☒ Licensed Electrical Contractor ☐ Exempt Applicant



D. TECHNICAL SITE DATA

QTY.	SIZE	ITEMS
		Lighting Fixtures
		Receptacles
		Switches
		Detectors
		Light Poles
		Motors—Fract. HP
		Emergency & Exit Lights
		Communications Points
		Alarm Devices/F.A.C. Panel
TOTAL NUMBERS		
		Pool Permit/with UW Lights
		Storable Pool/Spa/Hot Tub
		KW Elec. Range/Receptacle
		KW Oven/Surface Unit
		KW Elec. Water Heater
		KW Elec. Dryer/Receptacle
		KW Dishwasher
		HP Garbage Disposal
		KW Central A/C Unit
		HP/KW Space Heater/Air Handler
		KW Baseboard Heat
		HP Motors 1/4 HP
		KW Transformer/Generator
		AMP Service
		AMP Subpanels
		AMP Motor Control Center
		KW Elec. Sign/Outlets

COMMERCIAL

Administrative Surcharge	\$
Minimum Fee	\$
DCA Training Fee	\$
TOTAL FEE	\$

UCC/PRO F-120 (REV3/96)

Professional Printing
(856)468-7933

8-17-12

UNDERGROUND BY TROOPS

OK
D7

8-22-12

UNDERGROUND GROUND

COMMERCIAL

2000

1000

1000

1000

1000

800



BUILDING SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 70 Lot 1 Qualification Code _____
Work Site Location 664 Route 70 Brick NJ-08723

Owner in Fee: KOHL'S
Tel. (262) 703 7000 e-mail _____
Address N56 W017000 RIDGEWOOD DR. MEMOMONEE FALLS WI-53051
Contractor: NVT LICENSES LLC, dba SUNEDISON Tel. (856) 330 1482
Address 100 TWINBRIDGE DR. SUITE J e-mail _____
PENNSAUKEN NJ-08110
Contractor License No. or Builder Registration No. 13597B Exp. Date 03/30/12
Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
Federal Emp. ID No. 20-3895370 FAX: () _____

JOB SUMMARY (Office Use Only)		INSPECTIONS		DATES (Month/Day)	
PLAN REVIEW	Date	Type	Failure	Failure	Approval
☐ No Plans Required		Footings	<u>NO</u>		<u>8-29-12</u>
☐ All		Footings/Bonding			
☐ Footings/Foundations		Foundation			
☐ Structural/Framework		Slab			
☐ Exterior		Frame			
☐ Interior		Truss Sys./Bracing			
Joint Plan Review Required:		Barrier-Free			
☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator		Insulation	<u>NO</u>		
SUBCODE APPROVAL for PERMIT		Finishes - Base Layer			
Date:		Finishes - Final			
Approved by: _____		Energy			
SUBCODE APPROVAL for CERTIFICATE		Mechanical			
☐ CO ☐ CCA		TCO			
Date: _____		Other			
Approved by: _____		Final			
		Barrier-Free			

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____

No. of Stories _____

Height of Structure _____ ft.

Area — Largest Floor _____ sq. ft.

New Bldg. Area/All Floors _____ sq. ft.

Volume of New Structure _____ cu. ft.

Max. Live Load _____

Max. Occupancy Load _____

Constr. Class Present _____ Proposed _____

If Industrialized Building: State Approved _____ HUD _____

Est. Cost of Bldg. Work:

1. New Bldg. \$ 140,400

2. Rehabilitation \$ _____

3. Total (1+2) \$ 140,400

U.C.C. F-110 (rev. 11/09)
Internet version

11-3-2011
11-3354

Date Received
Control #
Date Issued
Permit #

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent or) owner of record and am authorized to make this application.

Sign here: _____

Print name here: KEN HENDERSON

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

SOLAR ENERGY SYSTEM ON TOP OF
AN EXISTING KOHL'S ROOFTOP

Shop RITE

FEE (Office Use Only)

☐	New Building
☐	Addition
☐	Rehabilitation
☐	Roofing
☐	Siding
☐	Fence
☐	Sign
☐	Pool
☐	Retaining Wall
☐	Asbestos Abatement Subchapter 8
☐	Lead Haz. Abatement NJAC 5:17
☐	Radon Remediation
☐	Other
☐	Demolition

Administrative Surcharge \$
Minimum Fee \$
State Permit Surcharge Fee \$
TOTAL FEE \$

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

Change of 7/18/12
Contractor

Existing # 11-3354



ELECTRICAL
SUBCODE
TECHNICAL SECTION

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-1000.

Block 701 Lot 7
Work Site Location 744 Rt 70
BUCK NJ 08123
Owner in Fee/Occupant Kohls
Address 2364 7000 Ridgewood Drive
Meyerton NJ 08057
Tele. (602) 703 7000
Contractor WILLIAM F. LUBERK CO., INC.
Address 27 PEARL STREET
NORTH PLAINFIELD, NEW JERSEY 07060
Tele. (908) 758-0611 Fax (908) 758-0667
Lic. No. 8035
Federal Emp. No. 22-1600662

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____
☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____
Building Occupied as _____ Utility Co. _____
Est. Cost of Elec. Work \$ _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPCTIONS	Dates (Month/Day)		
☐ No Plans Required			Type:	Failure	Approval	Initial
Joint Plan Review Required:						
☐ Building	☐ Plumbing		Rough			
☐ Fire	☐ Elevator		Temp. Serv.			
☐ Elec. Plans Approved			Constr. Serv.			
Date:			TCO			
Approved by:			Other			
			Service			
			Final			
SUBCODE APPROVAL						
☐ CO	☐ CCO	☐ CA	Temp. Cut-in-Card	Date Issued		
Date:			Final Cut-in-Card	Date Issued		
Approved by:						

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the agent of the owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature
[Signature]
Licensed Electrical Contractor ☒ Exempt Applicant

UCC/PRO F-120 (REV/3/96)
Professional Printing
(856) 468-7933

D. TECHNICAL SITE DATA

QTY.	SIZE	ITEMS
		Lighting Fixtures
		Receptacles
		Switches
		Detectors
		Light Poles
		Motors—Fract. HP
		Emergency & Exit Lights
		Communications Points
		Alarm Devices/F.A.C. Panel
TOTAL NUMBERS		
		Pool Permit with UW Lights
		Storable Pool/Spa/Hot Tub
		KW Elec. Range/Receptacle
		KW Oven/Surface Unit
		KW Elec. Water Heater
		KW Elec. Dryer/Receptacle
		KW Dishwasher
		HP Garbage Disposal
		KW Central A/C Unit
		HP/KW Space Heater/Air Handler
		KW Baseboard Heat
		HP Motors 1/4 HP
		KW Transformer/Generator
		AMP Service
		AMP Subpanels
		AMP Motor Control Center
		KW Elec. Sign/Outline Light

Administrative Surcharge	\$
Minimum Fee	\$
DCA Training Fee	\$
TOTAL FEE	\$

FEE (Office Use Only)



BUILDING SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 70 Lot 1 Qualification Code _____
Work Site Location 6600 Route 70 Brick NJ-08723

Owner in Fee: KOHL'S

Tel. (262) 703 7000 e-mail _____

Address N56 W17000 RIDGEWOOD DR. MEMOMONEE FALLS WI-53051

Contractor NVT LICENSES LLC, dba SUNEDISON Tel. (856) 8301462

Address 100 TWINBRIDGE DR. SUMMIT NJ-08110 e-mail _____

Contractor License No. or Builder Registration No. 135978 Exp. Date 03/30/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 20-3895370 FAX: () _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)	Failure	Approval	Initial
☐ No Plans Required			Type:				
☐ All			Footings				
☐ Footings/Foundations			Footings Bonding				
☐ Structural/Framework			Foundation				
☐ Exterior			Slab				
☐ Interior			Frame				
☐ Truss Sys./Bracing			Barrier-Free				
☐ Insulation			Finishes -Base Layer				
☐ Fire [] Elevator			Finishes -Final				
☐ Plumb. [] Fire [] Elevator			Energy				
☐ Mechanical			TCO				
☐ CO [] CCO [] CA			Other				
☐ Final			Barrier-Free				

Date: _____ Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

[] CO [] CCO [] CA

Date: _____ Approved by: _____

SUBCODE APPROVAL for PERMIT

[] Elec. [] Plumb. [] Fire [] Elevator

Joint Plan Review Required:

10/13/11

B. BUILDING CHARACTERISTICS

Use Group	Present	Proposed	Constr. Class	Present	Proposed
No. of Stories			If Industrialized Building:		
Height of Structure			State Approved		HUD
Area — Largest Floor			Est. Cost of Bldg. Work:		
New Bldg. Area/All Floors			1. New Bldg.	\$	140,400
Volume of New Structure			2. Rehabilitation	\$	
Max. Live Load			3. Total (1+2)	\$	140,400
Max. Occupancy Load					

U.C.C. F110 (rev 11/09)
Internet version

Date Received

Control #

Date Issued

Permit #

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) _____ and am authorized to make this application.

Sign here: _____

Print name here: KEN HENDERSON

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

SOLAR ENERGY SYSTEM ON TOP OF

AN EXISTING KOHL'S ROOFTOP

FEE (Office Use Only)

\$ _____

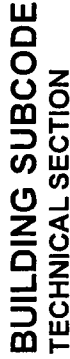
Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



BUILDING SUBCODE TECHNICAL SECTION

Block 201740 Lot 70 Qualification Code 45-08723
Work Site Location 664 Route 70 Brick

Owner in Fee: KOHL'S

Tel. (262) 703 7000 e-mail _____

Address NS6 W017000 RIDGEWOOD DR. MEMPHIS FAUS W01-S3051

Contractor: NUT LICENSES LLC, dba SUNEDISON Tel: (856) 330-1452
street _____ municipality _____ zip code _____

Address 100 TWINBRIDGE DR. SUITE J e-mail _____

PENNSAUKEN 5-0810

Contractor License No. or Builder Registration No.	135973	Exp. Date	03 30 12
--	--------	-----------	----------

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 20-3895370 FAX: ()

PLAN REVIEW		Date	Initial	INSPECTIONS	Failure	Dates (Month/Day)	Initial
				Type:		Failure	
☐	No Plans Required						
☐	All			Footing			
☐	Footings/Foundation			Footing Bonding			
☐	Structural/Framework			Foundation			
☐	Exterior			Slab			
☒	Interior	10/13/10	HA	Frame			
				Truss Sys/Bracing			
				Barrier-Free			

Use Group	Present _____	Proposed _____
No. of Stories	_____	_____
Height of Structure	_____ ft.	_____
Area — Largest Floor	_____ sq. ft.	_____
New Bldg. Area/All Floors	_____ sq. ft.	_____
Volume of New Structure	_____ cu. ft.	_____
Max. Live Load	_____	_____
Max. Occupancy Load	_____	_____

U.C.C. F110 (rev. 11/09)
Internet version

Date Received
Control #
Date Issued
Permit #

C. CERTIFICATION IN LIEU OF OATH:

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here:

Print name here: KEN HENDERSON

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

SOLAR ENERGY SYSTEM ON TOP OF

AN EXISTING KOHL'S ROOFTOP

FEE (Office Use Only)

☐	☐	New Building			
☐	☐	Addition			
☐	☐	Rehabilitation			
☐	☐	Roofing			
☐	☐	Siding			
☐	☐	Fence		Height (exceeds 6')	
☐	☐	Sign		Sq. Ft.	
☐	☐	Pool			
☐	☐	Retaining Wall		Sq. Ft.	
☐	☐	Asbestos Abatement	Subchapter 8		
☐	☐	Lead Haz. Abatement	NJAC 5:17		
☐	☐	Radon Remediation			
☐	☐	Other			
☐	☐	Demolition			

Administrative Surcharge	\$
Minimum Fee	\$
State Permit Surcharge	\$
TOTAL FEE	\$

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.

Community Development and Land Use

401 Chambers Bridge Rd.

Brick NJ 08723

(732) 262-1027



Receipt

Payment Date 11/03/2011

Transaction # PMT-11-07342

Receipt #

Issued To SUN EDISON

Description 744 ROUTE 70
KOHL'S DEPARTMENT STORE
SOLAR PANELS

Date Printed 11/03/2011

Check Number 44159

Cash \$0.00

Check \$50.00

Charge \$0.00

Total Paid \$50.00

11/03/11 10:33AM 001558#0330
XX08 SERV.008

#07342

ZPA

CHECK

\$50.00

\$50.00



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1027

failed 9/15/11

Subcode Official Review

To: 210 ROUTE 4 EAST PARAMUS, NJ 07652 CC:

RE: Building Subcode *Kohl's*
Block: 701 Lot: 7 Qual:
744 ROUTE 70
Permit Number: Control Number: C-11-003213
Last Submit Date: Thursday, September 08, 2011

Date: Thursday, September 08, 2011

Dear BRICKTOWN VF LLC %VORNADO REALTY,

The following comments were made during the Plan Review process:

Page S-200 of architecturals indicates installation of "28 bricks at the end of every row, typ.". Structural certification appears to have omitted this calc. *OK*

Structural cetification must also address incidental equipment being installed on roof. *OK*

Inverter equipment installed on grade, zoning review application did not indicate this device. Provide review/approval from zoning for this equipment.

Sincerely,

Kenneth Anderson *9/8/11*

Kenneth Anderson, Subcode Official

*Fax 856-330-1493
Luke Childs*

9/28/11 - Resubmit OK

10/3/11 - Resubmit OK - reuister

Ascent Consulting/ James Marx
10 High Mountain Road
Ringwood, NJ 07456

September 22, 2011

To: Township Building Inspector

Subject: Kohl's, 664 Route 70, Brick – SunEdison

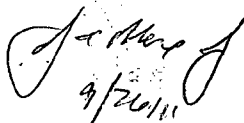
This letter is to certify that the structural design of the Solar Electric System will account for "installation of 28 bricks at the end of every row" and also will account for miscellaneous loading allowances for incidental equipment being installed on the roof.

The installation of the 28 bricks at the end of every row is identified on S.300 for a distance of 9'-10". The weight calculations for the end row that is based on 28 bricks will have a total distributed load of 6.04 psf and will not exceed the capacity of the roof framing.

Specifically the incidental equipment includes 20 Disconnecting Combiner boxes, conduit and wire located on the roof. These combiners are on racks of 3 and they weigh 50lbs each. This incidental equipment loading is very light and would be part of the miscellaneous loading that was indicated in the calculations.

Please accept this letter as a Professional Engineering endorsement for the structural installation of the Kohl's Store solar system that will be in conformance to IBC -2009 NJ.

Respectfully submitted,



James A. Marx, Jr. P.E.
NJ Professional Engineer License GE 25179

TOWNSHIP OF BRICK	
RELEASED FOR PERMIT	INITIAL
Building Subcode _____	KA
Fire Subcode _____	
Electrical Subcode _____	
Plan Reviewer _____	
Plans Released _____	
Construction Official _____	

cc: Luke Childs – SunEdison

9/28/11

SOLAR ELECTRIC SYSTEM

KOHL'S
664 ROUTE 70
BRICK, NJ

STRUCTURAL DESIGN CALCULATIONS

SunEdison
12500 Baltimore Ave.
Beltsville, MD 20705

Ascent Consulting/
James A. Marx, Jr. P.E.
Professional Engineer
10 High Mountain Road
Ringwood, NJ 07456

James A. Marx, Jr.
Professional Engineer

James A. Marx, Jr.
8/24/11
Pages 1 to 14

NJ Professional Engineer License GE 25179

ICK
DATE

10/13/11

KOHL'S BRICK - Design Criteria

Jim
12/12/09

WIND 115 MPH Exp C

$$q_z = 0.00256 (0.92) (0.85) (115)^2 = 26.47 \text{ psf}$$

Use 26.5 psf min

SNOW GROUND 20 psf

$$P_f \text{ roof} = 0.7 \times 0.9 \times 1.0 \times 20 = 12.6$$

Use 20 psf min

AAES ENGINEERING, INC.

45 EISENHOWER DRIVE - PARAMUS, NJ 07652

2

From: Joseph Ettinger, PE
President
Aaes Engineering, Inc.
45 Eisenhower drive
Paramus, NJ

To: James Marx, PE
10 High Mountain Road
Ringwood, NJ

Subject: Roof capacity of Kohl store located in Bricktown, NJ.

Dear Mr. Marx,

We visited the Kohl's store located in Bricktown, NJ, on October 21, 2008. During this visit we took measurements of existing beams and joists in area of typical bay. After structural analysis we arrived to the following conclusions:

- Reinspection by J. Marx, PE 10 psf*
1. The dead load of existing roof with weight of the joists is ~~10~~ *10* psf.
 2. Roof is made of 0.45 EPDM membranes with 3" insulation
 3. Existing roof deck is 1 ½ - 22 GA - type "B".
 3. Maximum deck span is 5'-8"
 4. Maximum hung load is ~~10~~ *10* psf which consist of ~~4~~ *3* psf (MEP), ~~2~~ *1.5* psf (lighting) and ~~4~~ *3* psf (miscellaneous).
 5. Joists and beams capacity for the total live and dead load is 45 psf.

*45
17.5
20
7.5 psf*
*Solar Array
wt. max*

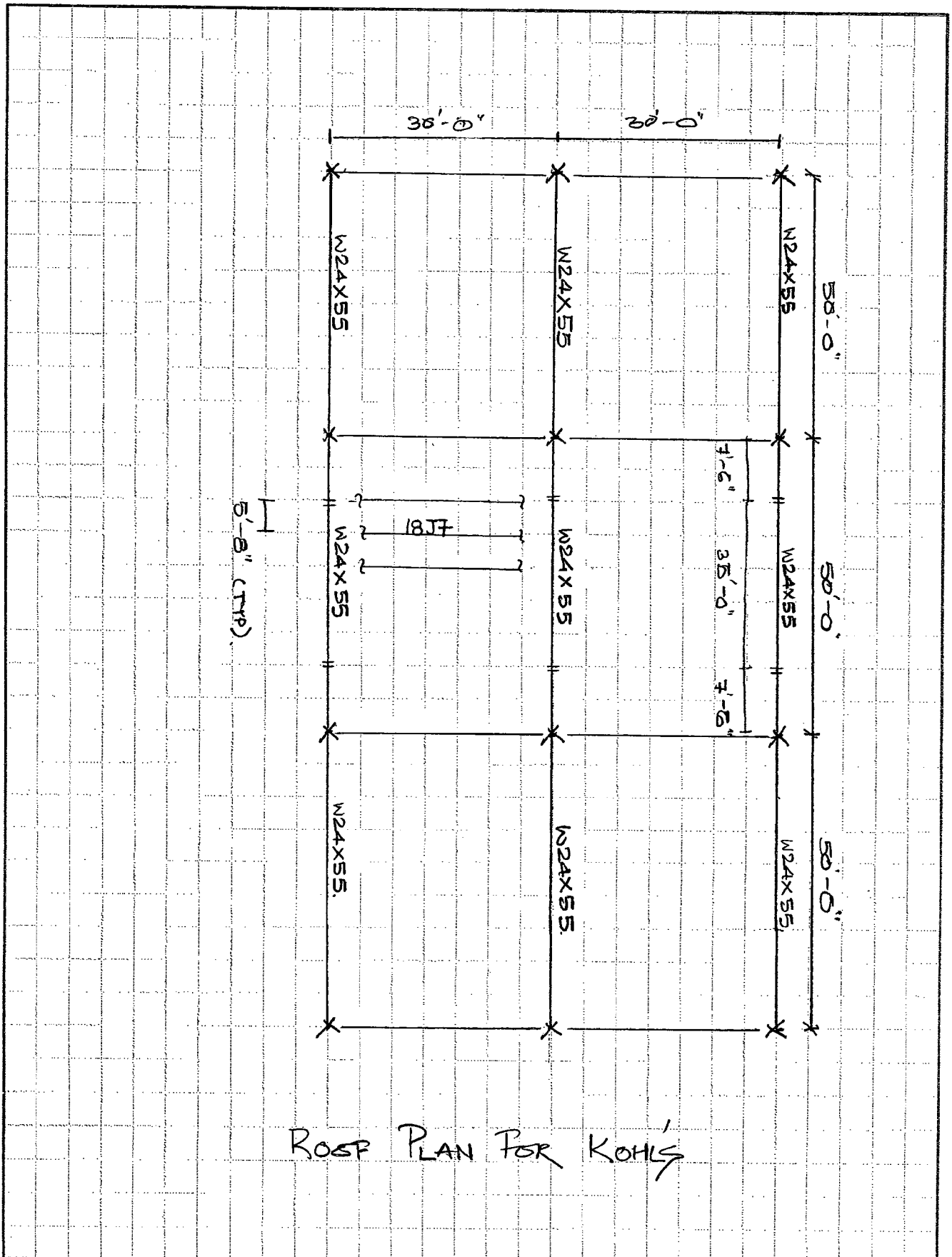
Aaes Engineering, Inc. appreciates the opportunity to offer its engineering services in support of your requirements. If there are any questions, or if additional information is required, please do not hesitate to contact us.

Very truly yours

Joseph Ettinger, P.E.
President

Joseph Ettinger *James Marx*

Date: 10/22/08



ROOF EVALUATION. FOR

KOHLS AT BRICKTOWN.

ROOF JOIST 18J7

SPAN: 30'

SPACING: 5'-8"

$$UDL = \frac{261}{5.66} = 46.11 \#$$

ASSUME 45 PSF FOR ROOF LOAD.

CHECK EXISTING BEAM.

sharad choudhary

From: Robert Hackworth [rhackworth@steeljoist.org]
Sent: Wednesday, October 22, 2008 11:14 AM
To: choudhary@aaesengineering.com
Subject: SPAM-LOW: RE: Request for Information

18J7

-----Original Message-----

From: sharad choudhary [mailto:choudhary@aaesengineering.com]
Sent: Wednesday, October 22, 2008 11:05 AM
To: Steel Joist
Subject: Request for Information

Dear sir,

I am enclosing the data sheet for joist . I will appreciate if you
could provide us maximum load this joist can carry. I am also
enclosing
the sketch for better understanding.

Sharad Choudhary
(Structural Engineer)
Aaes Engineering
45 Eisenhower Drive, 3rd Floor
Paramus, NJ-07652
Office 201-368-1952
Fax 201-368-1457

AAES ENGINEERING INC
45 Eisenhower Drive
Paramus
NJ
07652

Title :
Dsgnr:
Description :

Job #
Date: 2:22PM, 22 OCT 08

Scope :

Rev: 560100
User: KW-06047, Ver 5.6.1, 25-Oct-2002
(c)1983-2002 ENERCALC Engineering Software

Steel Beam Design

Page 1

Description KOHLS AT BIRCKTOWN - BEAM B1 - ROOF BEAM (LIVE LOAD 45 PSF)

General Information

Calculations are designed to AISC 9th Edition ASD and 1997 UBC Requirements

Steel Section : W24X55

Center Span 35.00 ft
Left Cant. 0.00 ft
Right Cant 0.00 ft
Lu : Unbraced Length 5.00 ft

Pinned-Pinned
Bm Wt. Added to Loads
LL & ST Act Together

Fy 36.00 ksi
Load Duration Factor 1.00
Elastic Modulus 29,000.0 ksi

Distributed Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
DL	1.350							k/ft
LL								k/ft
ST								k/ft
Start Location								ft
End Location	35.000							ft

Summary

Beam OK
Static Load Case Governs Stress

Using: W24X55 section, Span = 35.00ft, Fy = 36.0ksi
End Fixity = Pinned-Pinned, Lu = 5.00ft, LDF = 1.000

	Actual	Allowable		
Moment	215.145 k-ft	226.814 k-ft	Max. Deflection	-1.212 in
fb : Bending Stress	22.538 ksi	23.760 ksi	Length/DL Defl	346.6 : 1
fb / Fb	0.949 : 1		Length/(DL+LL Defl)	346.6 : 1
Shear	24.588 k	134.066 k		
fv : Shear Stress	2.641 ksi	14.400 ksi		
fv / Fv	0.183 : 1			

Force & Stress Summary

<<-- These columns are Dead + Live Load placed as noted -->>

	Maximum	DL Only	LL @ Center	LL+ST @ Center	LL @ Cants	LL+ST @ Cants	
Max. M +	215.14 k-ft	215.14					k-ft
Max. M -							k-ft
Max. M @ Left							k-ft
Max. M @ Right							k-ft
Shear @ Left	24.59 k	24.59					k
Shear @ Right	24.59 k	24.59					k
Center Defl.	-1.212 in	-1.212	0.000	-1.212	0.000	0.000	in
Left Cant Defl	0.000 in	0.000	0.000	0.000	0.000	0.000	in
Right Cant Defl	0.000 in	0.000	0.000	0.000	0.000	0.000	in
...Query Defl @	0.000 ft	0.000	0.000	0.000	0.000	0.000	in
Reaction @ Left	24.59	24.59		24.59			k
Reaction @ Rt	24.59	24.59		24.59			k

Fa calc'd per Eq. E2-1, $K^*L/r < C_c$
I Beam Passes Table B5.1, Fb per Eq. F1-1, Fb = 0.66 Fy

Section Properties W24X55

		Weight			
Depth	23.570 in	55.03 #/ft	r-xx	9.129 in	
Width	7.005 in	1,350.00 in ⁴	r-yy	1.340 in	
Web Thick	0.395 in	29.10 in ⁴	Rt	1.680 in	
Flange Thickness	0.505 in	114.552 in ³			
Area	16.20 in ²	8.308 in ³			



35.00 ft

$M_{max} = 215.14 \text{ k-ft}$

$D_{max} = -1.2117 \text{ in}$

$L_{max} = 24.587 \text{ k}$

$V_{max} @ \text{left} = 24.587 \text{ k}$

$R_{max} = 24.587 \text{ k}$

$V_{max} @ \text{rt} = 24.587 \text{ k}$

SHG 8

AAES ENGINEERING INC
45 Eisenhower Drive
Paramus
NJ
07652

Title :
Dsgnr:
Description :

Scope :

Job #
Date: 2:21PM, 22 OCT 08

Rev: 560100
User: KW-06047, Ver 5.8.1, 25-Oct-2002
(c)1983-2002 ENERCALC Engineering Software

Steel Beam Design

Page 1

Description KOHLS AT BIRCKTOWN - BEAM B2 - ROOF BEAM (LIVE LOAD 45 PSF)

General Information

Calculations are designed to AISC 9th Edition ASD and 1997 UBC Requirements

Steel Section : W24X55

Center Span 50.00 ft
Left Cant 7.50 ft
Right Cant 7.50 ft
Lu : Unbraced Length 5.00 ft

Pinned-Pinned
Bm Wt. Added to Loads
LL & ST Act Together

Fy 36.00 ksi
Load Duration Factor 1.00
Elastic Modulus 29,000.0 ksi

Distributed Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
DL	1.350							k/ft
LL								k/ft
ST								k/ft
Start Location	-7.500							ft
End Location	57.500							ft

Point Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
Dead Load	24.590	24.590						k
Live Load								k
Short Term								k
Location	-7.500	57.500						ft

Summary

Beam OK
Static Load Case Governs Stress

Using: W24X55 section, Span = 50.00ft, Fy = 36.0ksi, Left Cant. = 7.50ft, Right Cant. = 7.50ft
End Fixity = Pinned-Pinned, Lu = 5.00ft, LDF = 1.000

	Actual	Allowable		
Moment	223.941 k-ft	226.814 k-ft	Max. Deflection	-1.958 in
fb : Bending Stress	23.459 ksi	23.760 ksi	Length/DL Defl	306.5 : 1
fb / Fb	0.987 : 1		Length/(DL+LL Defl)	306.5 : 1
Shear	35.126 k	134.066 k		
fv : Shear Stress	3.773 ksi	14.400 ksi		
fv / Fv	0.262 : 1			

Force & Stress Summary

<<-- These columns are Dead + Live Load placed as noted -->>

	Maximum	DL Only	LL @ Center	LL+ST @ Center	LL @ Cants	LL+ST @ Cants	
Max. M +	223.94 k-ft	215.12					k-ft
Max. M -		-223.94					k-ft
Max. M @ Left		-223.94					k-ft
Max. M @ Right		-223.94					k-ft
Shear @ Left	35.13 k	35.13					k
Shear @ Right	35.13 k	35.13					k
Center Defl.	-1.958 in	-1.958	0.000	-1.958	0.000	-1.958 in	
Left Cant Defl	0.383 in	0.383	0.000	0.383	0.000	0.383 in	
Right Cant Defl	0.422 in	0.422	0.000	0.422	0.000	0.422 in	
...Query Defl @	0.000 ft	0.000	0.000	0.000	0.000	0.000 in	
Reaction @ Left	70.25	70.25		70.25		70.25 k	
Reaction @ Rt	70.25	70.25		70.25		70.25 k	

Fa calc'd per Eq. E2-1, $K^*L/r < C_c$

I Beam Passes Table B5.1, Fb per Eq. F1-1, Fb = 0.66 Fy

5479

AAES ENGINEERING INC
45 Eisenhower Drive
Paramus
NJ
07652

Title :
Dsgnr:
Description :

Scope :

Job #
Date: 2:21PM, 22 OCT 08

Rev: 560100
 User: KW-06047, Ver 5.6.1, 25-Oct-2002
 (c)1983-2002 ENERCALC Engineering Software

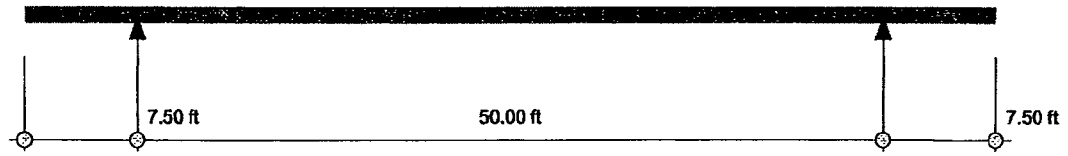
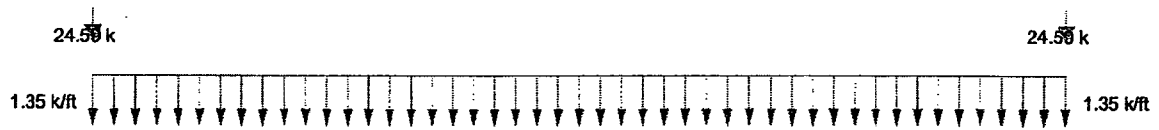
Steel Beam Design

Page 2

Description **KOHL'S AT BIRCKTOWN - BEAM B2 - ROOF BEAM (LIVE LOAD 45 PSF)**

Section Properties W24X55

Depth	23.570 in	Weight	55.03 #/ft	r-xx	9.129 in
Width	7.005 in	I-xx	1,350.00 in4	r-yy	1.340 in
Web Thick	0.395 in	I-yy	29.10 in4	Rt	1.680 in
Flange Thickness	0.505 in	S-xx	114.552 in3		
Area	16.20 in2	S-yy	8.308 in3		



$M_{max} = 223.94 \text{ k-ft}$

$D_{max} = -1.9576 \text{ in}$

$M_{max} @ \text{left} = 223.94 \text{ k-ft}$

$L_{max} = 70.253 \text{ k}$

$V_{max} @ \text{left} = 35.125 \text{ k}$

$Defl @ \text{left end} = -0.3828 \text{ in}$

$M_{max} @ \text{right} = 223.94 \text{ k-ft}$

$R_{max} = 70.253 \text{ k}$

$V_{max} @ \text{rt} = 35.125 \text{ k}$

$Defl @ \text{right end} = -0.4219 \text{ in}$

KOHLS BRICK

11
Jan
12/12/09
Δ 8/11/11

SOLAR PANEL WT. - 40.64 lbs

WT. of frame 22GA

$$(1.083 + 5.33 + 5.67) \times 0.941 = 11.37 \#$$

WT. of ballast tray

$$3.25 \times 0.941 = 3.06 \#$$

WT. of deflector

$$\frac{15.1}{12} \times 3.25 \times \left(\frac{0.03}{0.125} \times 10.2 \right) = \frac{5.0 \#}{19.43 \#}$$

$$\text{WT/area} = \frac{40.64 + 19.43}{(5.67 \times 3.25)} = 3.26 \#/\text{sf}$$

Bricks 5(5.35)

$$\text{Interior } \frac{5(5.35)}{5.67 \times 3.25} = 1.45$$

Bricks 6(5.35)

$$\text{Bottom } \frac{6(5.35)}{5.67 \times 3.25}$$

$$= 1.74$$

$$\text{Misc., wiring, etc} = \underline{0.07}$$

$$\Sigma_{\text{int}} = 4.78 \text{ psf}$$

$$\Sigma_{\text{BOT}} = 5.07$$

North Array - Additional Ballast

$$\frac{2(35.5)}{5.67(3.25)} = \underline{3.85}$$

$$\Sigma_{\text{north array}} = 7.18 \text{ psf}$$

This tool is for the "Folder Rack" at 10 degrees tilt with full deflectors on every module.

Kohl'sBrick
BLOCK A

INPUTS

General Inputs

Static Friction Coeff	0.5
Design Wind Pressure (psf)	26.5
Panel Length (in)	61.8
Panel Width (in) Including spacings	39
Row Spacing (in)	24
Desired Safety Factor	1.66
Parapet Wall Safety Factor	1

Simple Array Section Inputs

# of Rows	4
# of Panels Wide (for one row)	13
Base Load of Rack, Modules (PSF)	3.26
Dead Load (PSF) of Array	5.45
Ballast per End Row (lbs)	222

Complex Geometry Inputs

Side Coverage Reduction	0
Northern Coverage Reduction	0
Southern Coverage Reduction	0

OUTPUTS

Overall Design Outputs

Array Block Width (E-W)	42	ft
Array Block Length (N-S)	26	ft
Area of Panels	870	ft^2
Total Weight of Array	5933	lbs
Average Roof Dead Load (psf)	5.3	psf
Required Bracing Force	3	lbs
Minimum Safety Factor (no pens)	1.66	

ADDITIONAL NORTH BALLAST UNIT ADDED

Do not change or remove this data!

Rec	Yaw [deg]	CN	Exposed Drag Coef (min-pen)	Shaded Drag Coef (min-pen)	Wind Penetration (ft) (min-pen)	Exposed Area	Shielded Area	Exposed Drag	Shielded Drag	Total Drag (lbs)
1	0	-0.127	0.165	0.067	0.0	217.59	652.8	950	1165	2115
2	5	-0.126	0.170	0.069	0.4	223.72	646.6	1007	1190	2197
3	10	-0.123	0.173	0.071	0.8	229.94	640.4	1054	1200	2255
4	15	-0.118	0.174	0.071	1.2	236.36	634.0	1089	1194	2283
5	20	-0.112	0.172	0.070	1.7	243.09	627.3	1109	1170	2279
6	25	-0.104	0.168	0.069	2.1	250.26	620.1	1113	1128	2241
7	30	-0.095	0.161	0.066	2.6	258.05	612.3	1101	1068	2169
8	35	-0.085	0.152	0.062	3.2	266.66	603.7	1071	991	2062
9	40	-0.074	0.140	0.057	3.8	276.39	594.0	1024	900	1924
10	45	-0.063	0.126	0.052	4.5	287.66	582.7	962	796	1758
11	50	-0.052	0.111	0.045	5.4	301.10	569.2	886	685	1570
12	55	-0.042	0.095	0.039	6.5	317.67	552.7	798	568	1366
13	60	-0.032	0.078	0.032	7.9	338.96	531.4	703	450	1153
14	65	-0.023	0.062	0.025	9.7	367.86	502.5	602	336	938
15	70	-0.015	0.046	0.019	12.5	410.11	460.2	499	229	728
16	75	-0.008	0.031	0.013	16.9	479.09	391.3	397	133	530
17	80	-0.004	0.018	0.008	25.7	614.93	255.4	300	51	351
18	85	-0.001	0.008	0.003	42.3	870.35	0.0	180	0	180
19	90	0.000	0.001	0.000	42.3	870.35	0.0	14	0	14
18	95	-0.008	0.008	0.002	42.3	870.35	0.0	181	0	181
17	100	-0.031	0.017	0.004	25.7	615.15	255.2	282	30	312
16	105	-0.070	0.028	0.007	16.9	479.18	391.2	356	75	431
15	110	-0.122	0.039	0.010	12.5	410.16	460.2	429	124	553
14	115	-0.186	0.051	0.013	9.7	367.90	502.5	501	176	677
13	120	-0.260	0.063	0.016	7.9	338.99	531.4	569	230	799
12	125	-0.342	0.075	0.019	6.5	317.68	552.7	634	284	918
11	130	-0.430	0.087	0.022	5.4	301.12	569.2	693	337	1030
10	135	-0.520	0.098	0.025	4.5	287.68	582.7	746	389	1135
9	140	-0.610	0.108	0.028	3.8	276.40	594.0	792	438	1231
8	145	-0.698	0.118	0.030	3.2	266.67	603.7	831	484	1315
7	150	-0.780	0.126	0.032	2.6	258.06	612.3	862	526	1388
6	155	-0.854	0.133	0.034	2.1	250.27	620.1	884	564	1447
5	160	-0.918	0.139	0.036	1.7	243.10	627.2	897	596	1492
4	165	-0.970	0.144	0.037	1.2	236.37	634.0	901	622	1523
3	170	-1.009	0.147	0.038	0.8	229.95	640.4	896	642	1538
2	175	-1.032	0.149	0.038	0.4	223.73	646.6	882	656	1538
1	180	-1.040	0.155	0.040	0.0	217.59	652.8	895	691	1587

Kohl's East Brunswick
BLOCK A

Exposed Downforce (lbs)	Shaded Downforce (lbs)	Exposed Sliding Resistance (Includes dead weight of rack)	Shaded Sliding Resistance (lbs)	Full Rack Sliding Deficit	Safety Factor (exposed only)	Safety Factor (Full Rack)
-731	-896	3398	457	-345	1.61	1.82
-745	-881	3406	449	-208	1.55	1.75
-749	-853	3408	435	-100	1.51	1.70
-740	-812	3403	414	-28	1.49	1.67
-721	-760	3393	388	3	1.49	1.66
-690	-699	3378	357	-14	1.51	1.67
-650	-630	3357	321	-79	1.55	1.70
-601	-556	3332	284	-193	1.62	1.75
-545	-478	3304	244	-354	1.72	1.84
-483	-400	3272	204	-558	1.86	1.98
-418	-323	3239	165	-797	2.06	2.17
-351	-250	3205	127	-1064	2.35	2.44
-285	-182	3171	93	-1350	2.75	2.83
-221	-123	3138	63	-1644	3.35	3.41
-161	-74	3108	38	-1937	4.27	4.32
-108	-36	3081	18	-2219	5.81	5.85
-62	-11	3058	5	-2480	8.71	8.73
-22	0	3037	0	-2738	16.83	16.83
0	0	3026	0	-3003	216.95	216.95
-182	0	3119	0	-2819	17.28	17.28
-511	-55	3287	28	-2796	10.53	10.62
-885	-186	3477	95	-2857	8.08	8.30
-1322	-382	3700	195	-2977	6.69	7.04
-1811	-637	3949	325	-3150	5.83	6.31
-2336	-943	4217	481	-3371	5.28	5.88
-2880	-1290	4495	658	-3630	4.90	5.62
-3429	-1669	4774	851	-3916	4.63	5.46
-3964	-2067	5048	1054	-4218	4.45	5.38
-4470	-2473	5306	1261	-4524	4.31	5.34
-4931	-2874	5541	1466	-4823	4.21	5.33
-5334	-3258	5746	1662	-5104	4.14	5.34
-5666	-3614	5915	1843	-5356	4.09	5.36
-5916	-3930	6043	2004	-5570	4.05	5.39
-6078	-4197	6126	2141	-5738	4.02	5.43
-6146	-4407	6160	2248	-5855	4.01	5.47
-6119	-4553	6146	2322	-5916	4.00	5.51
-5997	-4632	6084	2362	-5813	3.83	5.32

Ascent Consulting/ James Marx
10 High Mountain Road
Ringwood, NJ 07456

September 22, 2011

To: Township Building Inspector

Subject: Kohl's, 664 Route 70, Brick – SunEdison

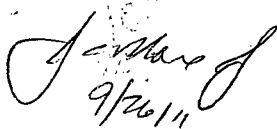
This letter is to certify that the structural design of the Solar Electric System will account for "installation of 28 bricks at the end of every row" and also will account for miscellaneous loading allowances for incidental equipment being installed on the roof.

The installation of the 28 bricks at the end of every row is identified on S.300 for a distance of 9'-10". The weight calculations for the end row that is based on 28 bricks will have a total distributed load of 6.04 psf and will not exceed the capacity of the roof framing.

Specifically the incidental equipment includes 20 Disconnecting Combiner boxes, conduit and wire located on the roof. These combiners are on racks of 3 and they weigh 50lbs each. This incidental equipment loading is very light and would be part of the miscellaneous loading that was indicated in the calculations.

Please accept this letter as a Professional Engineering endorsement for the structural installation of the Kohl's Store solar system that will be in conformance to IBC -2009 NJ.

Respectfully submitted,



James A. Marx, Jr. P.E.
NJ Professional Engineer License GE 25179

cc: Luke Childs – SunEdison

TOWNSHIP OF
RELEASED FOR PERMIT
Building Subcode _____
Fire Subcode _____
Electrical Subcode _____
Plan Reviewer _____
Plans Approved _____
Construction Official _____

Handwritten signature and date: 9/28/11

SOLAR ELECTRIC SYSTEM

KOHL'S
664 ROUTE 70
BRICK, NJ

STRUCTURAL DESIGN CALCULATIONS

SunEdison
12500 Baltimore Ave.
Beltsville, MD 20705

Ascent Consulting/
James A. Marx, Jr. P.E.
Professional Engineer
10 High Mountain Road
Ringwood, NJ 07456

James A. Marx, Jr.
Professional Engineer

James A. Marx, Jr.
8/24/11
Pages: 1 to 14

NJ Professional Engineer License GE 25179

BRICK

DATE

10/13/11

KOHL'S BRICK - Design Criteria

1
JRM
12/12/09

WIND 115 MPH EXP C

$$q_z = 0.00256 (0.92) (0.85) (115)^2 = 26.47 \text{ psf}$$

USE 26.5 psf MIN

SNOW GROUND 20 psf

$$P_f \text{ roof} = 0.7 \times 0.9 \times 1.0 \times 20 = 12.6$$

USE 20 psf MIN

AAES ENGINEERING, INC.

45 EISENHOWER DRIVE - PARAMUS, NJ 07652

2

From: Joseph Ettinger, PE
President
Aaes Engineering, Inc.
45 Eisenhower drive
Paramus, NJ

To: James Marx, PE
10 High Mountain Road
Ringwood, NJ

Subject: Roof capacity of Kohl store located in Bricktown, NJ.

Dear Mr. Marx,

We visited the Kohl's store located in Bricktown, NJ, on October 21, 2008. During this visit we took measurements of existing beams and joists in area of typical bay. After structural analysis we arrived to the following conclusions:

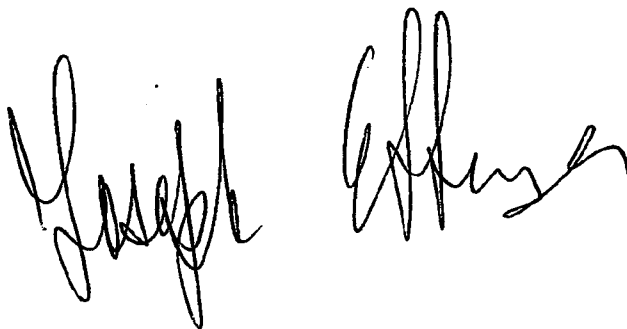
- Reinspection by J. Marx, PE 10 psf*
1. The dead load of existing roof with weight of the joists is ~~10~~ *10* psf.
 2. Roof is made of 0.45 EPDM membranes with 3" insulation
 3. Existing roof deck is 1 ½ - 22 GA - type "B".
 3. Maximum deck span is 5'-8"
 4. Maximum hung load is ~~10~~ *7.5* psf which consist of ~~4~~ *3* psf (MEP), ~~2~~ *1.5* psf (lighting) and ~~4~~ *3* psf (miscellaneous).
 5. Joists and beams capacity for the total live and dead load is 45 psf.

*45
17.5
20
7.5 psf*
*Solar Array
wt. max*

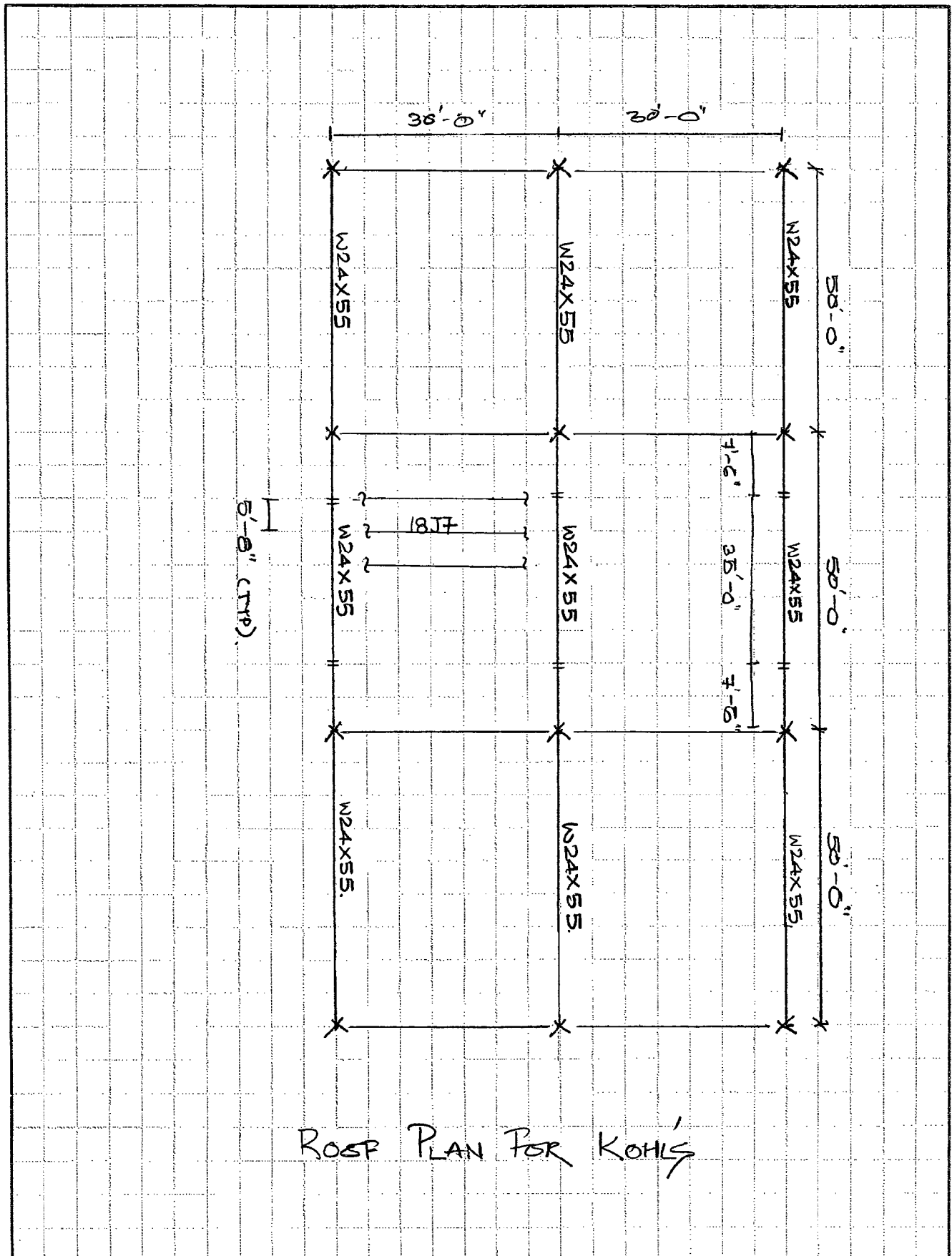
Aaes Engineering, Inc. appreciates the opportunity to offer its engineering services in support of your requirements. If there are any questions, or if additional information is required, please do not hesitate to contact us.

Very truly yours

Joseph Ettinger, P.E.
President



Date: 10/22/08



ROOF EVALUATION. FOR
KOHLS AT BRICKTOWN.

ROOF JOIST 1877

SPAN: 30'

SPACING: 5'-8"

$$U.D.L. = \frac{261}{5.66} = 46.11 \#$$

ASSUME 45 PSF FOR ROOF LOAD.

CHECK EXISTING BEAM.

sharad choudhary

From: Robert Hackworth [rhackworth@steeljoist.org]
Sent: Wednesday, October 22, 2008 11:14 AM
To: choudhary@aaesengineering.com
Subject: SPAM-LOW: RE: Request for Information

18J7

-----Original Message-----

From: sharad choudhary [mailto:choudhary@aaesengineering.com]
Sent: Wednesday, October 22, 2008 11:05 AM
To: Steel Joist
Subject: Request for Information

Dear sir,

I am enclosing the data sheet for joist . I will appreciate if you
could provide us maximum load this joist can carry. I am also
enclosing
the sketch for better understanding.

Sharad Choudhary
(Structural Engineer)
Aaes Engineering
45 Eisenhower Drive, 3rd Floor
Paramus, NJ-07652
Office 201-368-1952
Fax 201-368-1457

SH4 6

AAES ENGINEERING INC
45 Eisenhower Drive
Paramus
NJ
07652

Title :
Dsgnr:
Description :

Job #
Date: 2:22PM, 22 OCT 08

Scope :

Rev: 560100
User: KW-06047, Ver 5.8.1, 25-Oct-2002
(c)1983-2002 ENERCALC Engineering Software

Steel Beam Design

Page 1

Description KOHLS AT BIRCKTOWN -BEAM B1 -ROOF BEAM (LIVE LOAD 45 PSF)

General Information

Calculations are designed to AISI 9th Edition ASD and 1997 UBC Requirements

Steel Section : W24X55

Center Span 35.00 ft
Left Cant. 0.00 ft
Right Cant 0.00 ft
Lu : Unbraced Length 5.00 ft

Pinned-Pinned
Bm Wt. Added to Loads
LL & ST Act Together

Fy 36.00ksi
Load Duration Factor 1.00
Elastic Modulus 29,000.0ksi

Distributed Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
DL	1.350							k/ft
LL								k/ft
ST								k/ft
Start Location								ft
End Location	35.000							ft

Summary

Beam OK
Static Load Case Governs Stress

Using: W24X55 section, Span = 35.00ft, Fy = 36.0ksi
End Fixity = Pinned-Pinned, Lu = 5.00ft, LDF = 1.000

	Actual	Allowable		
Moment	215.145 k-ft	226.814 k-ft	Max. Deflection	-1.212 in
fb : Bending Stress	22.538 ksi	23.760 ksi	Length/DL Defl	346.6 : 1
fb / Fb	0.949 : 1		Length/(DL+LL Defl)	346.6 : 1
Shear	24.588 k	134.066 k		
fv : Shear Stress	2.641 ksi	14.400 ksi		
fv / Fv	0.183 : 1			

Force & Stress Summary

<-- These columns are Dead + Live Load placed as noted -->

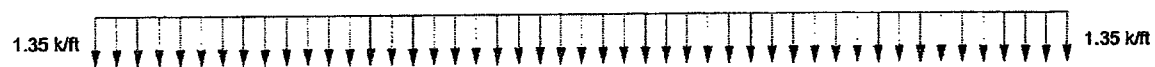
	Maximum	DL Only	LL @ Center	LL+ST @ Center	LL @ Cants	LL+ST @ Cants	
Max. M +	215.14 k-ft	215.14					k-ft
Max. M -							k-ft
Max. M @ Left							k-ft
Max. M @ Right							k-ft
Shear @ Left	24.59 k	24.59					k
Shear @ Right	24.59 k	24.59					k
Center Defl.	-1.212 in	-1.212	0.000	-1.212	0.000	0.000	in
Left Cant Defl	0.000 in	0.000	0.000	0.000	0.000	0.000	in
Right Cant Defl	0.000 in	0.000	0.000	0.000	0.000	0.000	in
...Query Defl @	0.000 ft	0.000	0.000	0.000	0.000	0.000	in
Reaction @ Left	24.59	24.59		24.59			k
Reaction @ Rt	24.59	24.59		24.59			k

Fa calc'd per Eq. E2-1, $K^*L/r < C_c$

I Beam Passes Table B5.1, Fb per Eq. F1-1, $F_b = 0.66 F_y$

Section Properties W24X55

		Weight			
Depth	23.570 in	55.03 #/ft	r-xx	9.129 in	
Width	7.005 in	1,350.00 in ⁴	r-yy	1.340 in	
Web Thick	0.395 in	29.10 in ⁴	Rt	1.680 in	
Flange Thickness	0.505 in	114.552 in ³			
Area	16.20 in ²	8.308 in ³			



$M_{\max} = 215.14 \text{ k-ft}$

$D_{\max} = -1.2117 \text{ in}$

$L_{\max} = 24.587 \text{ k}$

$V_{\max @ \text{left}} = 24.587 \text{ k}$

$R_{\max} = 24.587 \text{ k}$

$V_{\max @ \text{rt}} = 24.587 \text{ k}$

AAES ENGINEERING INC
45 Eisenhower Drive
Paramus
NJ
07652

Title :
Dsgnr:
Description :

Scope :

Job #
Date: 2:21PM, 22 OCT 08

Rev: 560100
User: KW-06047, Ver 5.6.1, 25-Oct-2002
(c)1983-2002 ENERCALC Engineering Software

Steel Beam Design

Page 1

Description KOHLS AT BIRCKTOWN -BEAM B2 -ROOF BEAM (LIVE LOAD 45 PSF)

General Information

Calculations are designed to AISC 9th Edition ASD and 1997 UBC Requirements

Steel Section : W24X55

Center Span 50.00 ft
Left Cant. 7.50 ft
Right Cant. 7.50 ft
Lu : Unbraced Length 5.00 ft

Pinned-Pinned
Bm Wt. Added to Loads
LL & ST Act Together

Fy 36.00ksi
Load Duration Factor 1.00
Elastic Modulus 29,000.0 ksi

Distributed Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
DL	1.350							k/ft
LL								k/ft
ST								k/ft
Start Location	-7.500							ft
End Location	57.500							ft

Point Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
Dead Load	24.590	24.590						k
Live Load								k
Short Term								k
Location	-7.500	57.500						ft

Summary

Beam OK
Static Load Case Governs Stress

Using: W24X55 section, Span = 50.00ft, Fy = 36.0ksi, Left Cant. = 7.50ft, Right Cant. = 7.50ft
End Fixity = Pinned-Pinned, Lu = 5.00ft, LDF = 1.000

	Actual	Allowable		
Moment	223.941 k-ft	226.814 k-ft	Max. Deflection	-1.958 in
fb : Bending Stress	23.459 ksi	23.760 ksi	Length/DL Defl	306.5 : 1
fb / Fb	0.987 : 1		Length/(DL+LL Defl)	306.5 : 1
Shear	35.126 k	134.066 k		
fv : Shear Stress	3.773 ksi	14.400 ksi		
fv / Fv	0.262 : 1			

Force & Stress Summary

<-- These columns are Dead + Live Load placed as noted -->

	Maximum	DL Only	LL @ Center	LL+ST @ Center	LL @ Cants	LL+ST @ Cants	
Max. M +	223.94 k-ft	215.12					k-ft
Max. M -		-223.94					k-ft
Max. M @ Left		-223.94					k-ft
Max. M @ Right		-223.94					k-ft
Shear @ Left	35.13 k	35.13					k
Shear @ Right	35.13 k	35.13					k
Center Defl.	-1.958 in	-1.958	0.000	-1.958	0.000	-1.958 in	
Left Cant Defl	0.383 in	0.383	0.000	0.383	0.000	0.383 in	
Right Cant Defl	0.422 in	0.422	0.000	0.422	0.000	0.422 in	
...Query Defl @	0.000 ft	0.000	0.000	0.000	0.000	0.000 in	
Reaction @ Left	70.25	70.25		70.25		70.25 k	
Reaction @ Rt	70.25	70.25		70.25		70.25 k	

Fa calc'd per Eq. E2-1, $K^*L/r < C_c$
I Beam Passes Table B5.1, Fb per Eq. F1-1, Fb = 0.66 Fy

5479

AAES ENGINEERING INC
45 Eisenhower Drive
Paramus
NJ
07652

Title :
Dsgnr:
Description :

Scope :

Job #
Date: 2:21PM, 22 OCT 08

Rev: 580100
 User: KW-06047, Ver 5.6.1, 25-Oct-2002
 (c)1983-2002 ENERCALC Engineering Software

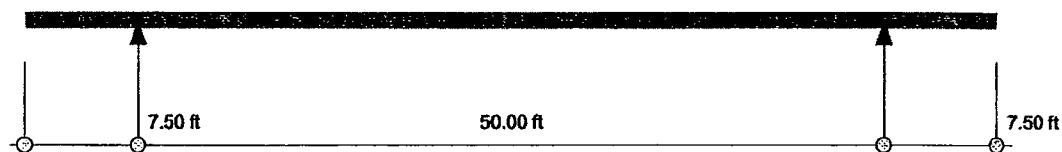
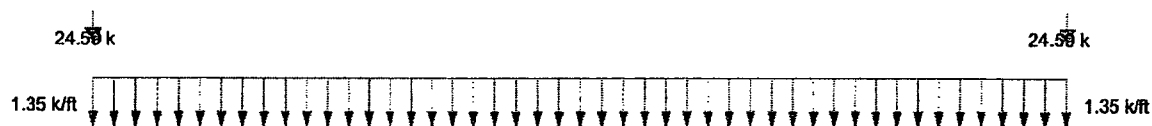
Steel Beam Design

Page 2

Description **KOHL'S AT BIRCKTOWN -BEAM B2 -ROOF BEAM (LIVE LOAD 45 PSF)**

Section Properties W24X55

Depth	23.570 in	Weight	55.03 #/ft	r-xx	9.129 in
Width	7.005 in	I-xx	1,350.00 in ⁴	r-yy	1.340 in
Web Thick	0.395 in	I-yy	29.10 in ⁴	Rt	1.680 in
Flange Thickness	0.505 in	S-xx	114.552 in ³		
Area	16.20 in ²	S-yy	8.308 in ³		



$M_{max} = 223.94 \text{ k-ft}$

$D_{max} = -1.9576 \text{ in}$

$M_{max} @ \text{ left} = 223.94 \text{ k-ft}$

$L_{max} = 70.253 \text{ k}$

$V_{max} @ \text{ left} = 35.125 \text{ k}$

$Defl @ \text{ left end} = -0.3828 \text{ in}$

$M_{max} @ \text{ right} = 223.94 \text{ k-ft}$

$R_{max} = 70.253 \text{ k}$

$V_{max} @ \text{ rt} = 35.125 \text{ k}$

$Defl @ \text{ right end} = -0.4219 \text{ in}$

KOHL'S BRICK

11
Jan
12/12/09
Δ 8/11/11

SOLAR PANEL WT. - 40.64 lbs

Wt. of frame 226A

$$(1.083 + 5.33 + 5.67) \times 0.941 = 11.37 \#$$

Wt. of ballast tray

$$3.25 \times 0.941 = 3.06 \#$$

Wt. of deflector

$$\frac{15.1}{12} \times 3.25 \times \left(\frac{0.03}{0.25} \times 10.2 \right) = \frac{5.0 \#}{19.43 \#}$$

$$\text{WT/area} = \frac{40.64 + 19.43}{(5.67 \times 3.25)} = 3.26 \#/\text{sf}$$

$$\text{Bricks Interior } \frac{5(5.35)}{5.67 \times 3.25} = 7.45$$

$$\text{Bricks Bottom } \frac{6(5.35)}{5.67 \times 3.25} = 1.74$$

$$\text{Misc., wiring, etc} = \underline{0.07}$$

$$\Sigma_{\text{int.}} 4.78 \text{ psf}$$

$$\Sigma_{\text{BOT}} = 5.07$$

North Array - Additional Ballast

$$\frac{2(35.5)}{5.67(3.25)} = \underline{3.85}$$

$$\Sigma_{\text{north array}} = 7.18 \text{ psf}$$

This tool is for the "Folder Rack" at 10 degrees tilt with full deflectors on every module.

Kohl's Brick
BLOCK A

INPUTS

General Inputs

Static Friction Coeff	0.5
Design Wind Pressure (psf)	26.5
Panel Length (in)	61.8
Panel Width (in) Including spacings	39
Row Spacing (in)	24
Desired Safety Factor	1.66
Parapet Wall Safety Factor	1

Simple Array Section Inputs

# of Rows	4
# of Panels Wide (for one row)	13
Base Load of Rack, Modules (PSF)	3.26
Dead Load (PSF) of Array	5.45
Ballast per End Row (lbs)	222

Complex Geometry Inputs

Side Coverage Reduction	0
Northern Coverage Reduction	0
Southern Coverage Reduction	0

OUTPUTS

Overall Design Outputs

Array Block Width (E-W)	42	ft
Array Block Length (N-S)	26	ft
Area of Panels	870	ft^2
Total Weight of Array	5933	lbs
Average Roof Dead Load (psf)	5.3	psf
Required Bracing Force	3	lbs
Minimum Safety Factor (no pens)	1.66	

ADDITIONAL NORTH BALLAST UNIT ADDED

Kohl's East Brunswick
BLOCK A

Do not change or remove this data:

Rec	Yaw [deg]	CN	Exposed Drag Coef (min-pen)	Shaded Drag Coef (min-pen)	Wind Penetration (ft) (min-pen)	Exposed Area	Shielded Area	Exposed Drag	Shielded Drag	Total Drag (lbs)
1	0	-0.127	0.165	0.067	0.0	217.59	652.8	950	1165	2115
2	5	-0.126	0.170	0.069	0.4	223.72	646.6	1007	1190	2197
3	10	-0.123	0.173	0.071	0.8	229.94	640.4	1054	1200	2255
4	15	-0.118	0.174	0.071	1.2	236.36	634.0	1089	1194	2283
5	20	-0.112	0.172	0.070	1.7	243.09	627.3	1109	1170	2279
6	25	-0.104	0.168	0.069	2.1	250.26	620.1	1113	1128	2241
7	30	-0.095	0.161	0.066	2.6	258.05	612.3	1101	1068	2169
8	35	-0.085	0.152	0.062	3.2	266.66	603.7	1071	991	2062
9	40	-0.074	0.140	0.057	3.8	276.39	594.0	1024	900	1924
10	45	-0.063	0.126	0.052	4.5	287.66	582.7	962	796	1758
11	50	-0.052	0.111	0.045	5.4	301.10	569.2	886	685	1570
12	55	-0.042	0.095	0.039	6.5	317.67	552.7	798	568	1366
13	60	-0.032	0.078	0.032	7.9	338.96	531.4	703	450	1153
14	65	-0.023	0.062	0.025	9.7	367.86	502.5	602	336	938
15	70	-0.015	0.046	0.019	12.5	410.11	460.2	499	229	728
16	75	-0.008	0.031	0.013	16.9	479.09	391.3	397	133	530
17	80	-0.004	0.018	0.008	25.7	614.93	255.4	300	51	351
18	85	-0.001	0.008	0.003	42.3	870.35	0.0	180	0	180
19	90	0.000	0.001	0.000	42.3	870.35	0.0	14	0	14
18	95	-0.008	0.008	0.002	42.3	870.35	0.0	181	0	181
17	100	-0.031	0.017	0.004	25.7	615.15	255.2	282	30	312
16	105	-0.070	0.028	0.007	16.9	479.18	391.2	356	75	431
15	110	-0.122	0.039	0.010	12.5	410.16	460.2	429	124	553
14	115	-0.186	0.051	0.013	9.7	367.90	502.5	501	176	677
13	120	-0.260	0.063	0.016	7.9	338.99	531.4	569	230	799
12	125	-0.342	0.075	0.019	6.5	317.68	552.7	634	284	918
11	130	-0.430	0.087	0.022	5.4	301.12	569.2	693	337	1030
10	135	-0.520	0.098	0.025	4.5	287.68	582.7	746	389	1135
9	140	-0.610	0.108	0.028	3.8	276.40	594.0	792	438	1231
8	145	-0.698	0.118	0.030	3.2	266.67	603.7	831	484	1315
7	150	-0.780	0.126	0.032	2.6	258.06	612.3	862	526	1388
6	155	-0.854	0.133	0.034	2.1	250.27	620.1	884	564	1447
5	160	-0.918	0.139	0.036	1.7	243.10	627.2	897	596	1492
4	165	-0.970	0.144	0.037	1.2	236.37	634.0	901	622	1523
3	170	-1.009	0.147	0.038	0.8	229.95	640.4	896	642	1538
2	175	-1.032	0.149	0.038	0.4	223.73	646.6	882	656	1538
1	180	-1.040	0.155	0.040	0.0	217.59	652.8	895	691	1587

Kohl's East Brunswick
BLOCK A

Exposed Downforce (lbs)	Shaded Downforce (lbs)	Exposed Sliding Resistance (Includes dead weight of rack) (lbs)	Shaded Sliding Resistance (lbs)	Full Rack Sliding Deficit	Safety Factor (exposed only)	Safety Factor (Full Rack)
-731	-896	3398	457	-345	1.61	1.82
-745	-881	3406	449	-208	1.55	1.75
-749	-853	3408	435	-100	1.51	1.70
-740	-812	3403	414	-28	1.49	1.67
-721	-760	3393	388	3	1.49	1.66
-690	-699	3378	357	-14	1.51	1.67
-650	-630	3357	321	-79	1.55	1.70
-601	-556	3332	284	-193	1.62	1.75
-545	-478	3304	244	-354	1.72	1.84
-483	-400	3272	204	-558	1.86	1.98
-418	-323	3239	165	-797	2.06	2.17
-351	-250	3205	127	-1064	2.35	2.44
-285	-182	3171	93	-1350	2.75	2.83
-221	-123	3138	63	-1644	3.35	3.41
-161	-74	3108	38	-1937	4.27	4.32
-108	-36	3081	18	-2219	5.81	5.85
-62	-11	3058	5	-2480	8.71	8.73
-22	0	3037	0	-2738	16.83	16.83
0	0	3026	0	-3003	216.95	216.95
-182	0	3119	0	-2819	17.28	17.28
-511	-55	3287	28	-2796	10.53	10.62
-885	-186	3477	95	-2857	8.08	8.30
-1322	-382	3700	195	-2977	6.69	7.04
-1811	-637	3949	325	-3150	5.83	6.31
-2336	-943	4217	481	-3371	5.28	5.88
-2880	-1290	4495	658	-3630	4.90	5.62
-3429	-1669	4774	851	-3916	4.63	5.46
-3964	-2067	5048	1054	-4218	4.45	5.38
-4470	-2473	5306	1261	-4524	4.31	5.34
-4931	-2874	5541	1466	-4823	4.21	5.33
-5334	-3258	5746	1662	-5104	4.14	5.34
-5666	-3614	5915	1843	-5356	4.09	5.36
-5916	-3930	6043	2004	-5570	4.05	5.39
-6078	-4197	6126	2141	-5738	4.02	5.43
-6146	-4407	6160	2248	-5855	4.01	5.47
-6119	-4553	6146	2322	-5916	4.00	5.51
-5997	-4632	6084	2362	-5813	3.83	5.32

 *** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 2353
 DESTINATION ADDRESS 918563301493
 PSWD/SUBADDRESS
 DESTINATION ID
 ST. TIME 09/19 08:38
 USAGE T 00' 21
 PGS. 1
 RESULT OK



Brick Township
 401 Chambersbridge Rd
 Brick, NJ 08723
 (732) 262-1027

Subcode Official Review

To: 210 ROUTE 4 EAST PARAMUS, NJ 07652 CC:

RE: Building Subcode
 Block: 701 Lot: 7 Quail
 744 ROUTE 70

Kohl's

Permit Number: C-11-003213
 Last Submit Date: Thursday, September 08, 2011

Date: Thursday, September 08, 2011

Dear BRICKTOWN VF LLC %VORNADO REALTY,

The following comments were made during the Plan Review process:

Page S-200 of architectural indicates installation of "28 bricks at the end of every row, typ.". Structural certification appears to have omitted this call.

Structural certification must also address incidental equipment being installed on roof.

Inverter equipment installed on grade, zoning review application did not indicate this device. Provide review/approval from zoning for this equipment.

Sincerely,

Kenneth Anderson 9/8/11

Kenneth Anderson, Subcode Official

Fast
 856-330-1493
Like Childs

Forward 9/15/11