<u>Monday, October 3, 2022</u> 7:30 p.m.

Virtual Meeting using Zoom

Meeting ID: 845-1987-6965 (Instructions for accessing below)

Under Governor Baker's Act "Extending Certain COVID-10 Measures Adopted During the State of Emergency", extending the "Executive Order Suspending Certain Provisions of the Open Meeting Law G.L. c. 30A, S20,", issued June 16, 2021, and in effect until April 1, 2022, and extended again through July 15, 2022 meeting of public bodies may be conducted virtually provided that adequate access is provided to the public. On July 16, 2022 Lt. Gov. Karyn Polito, as acting governor, signed legislation to extend key pandemic-era accommodations, including remote local government meeting authorizations, through March 31, 2023 effective immediately.

To view and participate in this virtual meeting on your phone, download the "Zoom Cloud Meetings" app in any app store or at www.zoom.us. At the above date and time, click on "Join a Meeting" and enter the following Meeting ID: 845-1987-6965 Link: https://us02web.zoom.us/j/84519876965

To view and participate in this virtual meeting on your computer, at the above date and time, go to www.zoom.us click "Join a Meeting" and enter the following ID: 845-1987-6965

APPLICANTS:

Marie Mercier, Sign Design representing M&T Bank located at 827 Highland Avenue and applying for signage.

Rick DeAngelis, Boston Properties located at 140 Kendrick Street and applying for site plan review of a solar garage roof.

Pam Jagiello, Signs by J representing the Sheraton Hotel located at 100 Cabot Street and applying for signage.

REVIEW

No minutes to review.

Next Public Meeting - October 17, 2022 at 7:30pm via Zoom Webinar

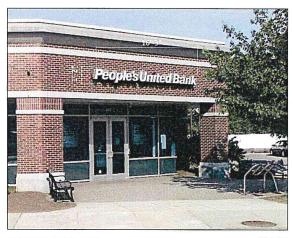
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TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Public Service Administration Building
500 Dedham Avenue
Needham, MA 02492
Application and Report

Property L	Location:8	tar Highland	ave		Date:	9/33/22
Owner:	Allied	Capital Pri	operties			
Address:		Beacon St	Je 109	Brookline		074460
Telephone.	Street	-232-7777		City	State	Zip
Applicant:	Sign	Deargn Inc				
Address:	1701	Liberty J.	Bro	scriton	Ma	U2301
Telephone:	Street 508	-580-0094		City	State	Zip
Address:	ITO L Street	ign besign iberty 9. 180-0094	_	Marie Mo Ockton City	MOL State	<u>0330</u>] Zip
	,	☐ - preliminar ☐ - final ☐ Flexible Sub	ect erations ect (Site Plan Revi y division idential Developr			
Brief descrip	otion of sign o	or project: O Name C	Marsel (Rud Roba	mud -	
*		s Replace	9			
	3	1		Citivocion	J.5.	



EXISTING: 1'-2" X 16'-3"

19.0 SF



PROPOSED

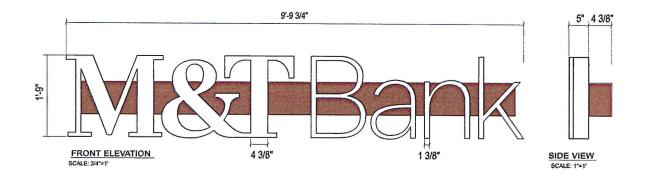
image one

17.16 SF



677 Dunksferry Rd. Bensalem, PA 19020 800 Business Park Dr. Freehold, NJ 07728 i1ind.com 215.826.0880

Design and construction documents as instruments of service are given in confidence and remain proporty of Imageune Industries.



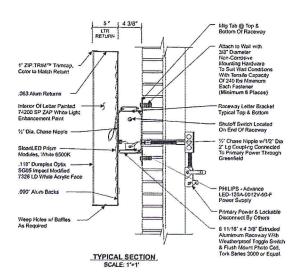
SQ. FT: 17.16

1a FACE LIT CHANNEL LETTERS ON RACEWAY

SCALE: 3/4"=1'-0"

FINISHES WHITE ACRYLIC FACE

RACEWAY COLOR TO MATCH BRICK FACADE



LOCATION:

10CATION:

13Y DESCRIPTION:

WA RETIAL DRAWDING

WASTEDHAM, MA 02494

LOCAL BUSINESS SIGNAGE

















141887

Version 01 09-23-22

Imageone Industries

M & T Bank 827 Highland Ave Needham, MA



170 Liberty Street Brockton, MA 02301 508-580-0094

SALES REPRESENTATIVE Wiley Knight

INTERNAL PROJECT MANAGER Marie Mercier

FIELD MANAGER Shaun White

ACCOUNT COORDINATOR
Laurie Kalivas

DESIGNER

SCALE NONE

CW

sнеет **01** of 01

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TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Public Service Administration Building
500 Dedham Avenue
Needham, MA 02492
Application and Report

Property Location: 140 Kendrick Street		Date	: August 16,
Owner: BP 140 Kendrick Street LLC c/o Boston P	roperties		
Address: <u>Suite 1900, 800 Boylston Street</u> Street	Boston City	MA State	02199 Zip
Telephone: <u>(617)512-0319 (cell)</u>	= ===================================		
Applicant: BP 140 Kendrick Street LLC attn: Frede	rick J. DeAngelis.		
Address: 800 Boylston Street, Suite 1900	Boston	MA	02199
Street Telephone: (617)512-0319	City	State	Zip
Designer/Installer: Sunwealth Power, Inc., attn: Ma	rcel Rodgers		
Address: 2067 Massachusetts Avenue	Cambridge	MA	02140
Street	City	State	Zip
Telephone: <u>(617)506-9612</u>			
Type of Application			
Sign Minor Project			
Exterior Alterations			
Major Project (Site Plan □ - preliminary	Review)		
- final			
Flexible Subdivision			
☐ Planned Residential Deve	elopment		
Residential Compound		 0	
Brief description of sign or project: Please see attached.			

Please email completed application to elitchman@needhamma.gov

Brief Description of Project

The 140 Kendrick Street Project was originally approved and constructed pursuant to Special Permit/Site Plan Review issued by the Planning Board on June 15th, 1999. The Special Permit/Site Plan Review was amended by Amendment dated December 1, 2020 on Application No. 99-2. That Amendment approved the Owner's request to renovate the existing single tenant office space to allow multiple tenants to lease the buildings, including exterior improvements as shown on the Plans referred to in the Amendment consisting of adding entrance locations to the buildings, patio improvements, and accessible parking and landscape improvements at the new entrance locations. The Special Permit/Site Plan Review was further amended by Amendment to Decision dated July 12, 2022 for the construction and operation of a rooftop deck on the roof of the low rise building.

The current Application seeks a minor project site plan approval for the construction and operation of a roof over the parking garage which contains a solar array, all as shown on the plans submitted herewith. The roof meets all of the dimensional requirements of the Needham Zoning By-Law including, but not limited to, all height requirements and limitations. Concurrently herewith, the Applicant is filing an Application with the Needham Design Review Board for the Design Review Board's review and approval of this component of the Kendrick Street renovation.

BP 140 KENDRICK STREET LLC

Signature of Applicant (or representative)

Address if not applicant
Telephone #
Owner's permission if other than applicant

Frederick J. DeAngelis, SVP & Senior Counsel

617-236-3333 and 617-512-0319 (cell)



Prudential Center 800 Boylston Street Suite 1900 Boston, MA 02199-8103

FREDERICK J. DEANGELIS, ESQUIRE Senior Vice President & Senior Counsel

September 19, 2022

VIA FEDEX (Tracking No. 7779 7362 4585) VIA EMAIL (elitchman@needhamma.gov)

Elisa Litchman

Administrative Specialist

Planning & Community Development

Town of Needham

500 Dedham Street, Suite 118

Los Angeles Needham, MA 02492

New York

RE:

140 Kendrick Street, Needham, Massachusetts

Application to Design Review Board

San Francisco

Dear Members of the Board:

Washington, DC

Boston Properties and its affiliated property owning entities including the Applicant named herein, BP 140 Kendrick Street LLC (collectively called "BXP") have been leaders in developing onsite renewable energy systems at our properties. To date we have completed 13 projects totaling 8 megawatts (MW) of onsite solar photovoltaic capacity on rooftops, garages and surface parking in Massachusetts and New Jersey. We are a pioneer in developing solar roofs over garages, and delivered our first solar roof over a parking garage in Waltham at Bay Colony. Since then, we've completed a second phase at Bay Colony and a third garage project at CityPoint in Waltham.

We are proposing to install a similar solar garage roof on/over the existing garage at 140 Kendrick Street. The purpose of the solar roof is to:

- Provide onsite generation of renewable energy that will result in net zero carbon operation of 140 Kendrick Street Building A. This is our first fully net zero project and will serve as a model project for net zero carbon office building design and redevelopment.
- Generate approximately 1,300 megawatt-hours (MWh) of renewable energy onsite from 2,900 405 watt (W) modules.
- Advance the transition to a low carbon economy by building a high quality distributed energy generation system with storage (336 kW). This project is emblematic of projects BXP is pursuing to achieve carbon neutral operations by 2025 and to meet our climate action goals, which include a science-based emissions reduction target for the company.



BXP has extensive experience with these projects and has assembled a team of expert designers to design, permit and execute an exemplary garage solar roof system. We look forward to working with the Town of Needham to complete this important project at 140 Kendrick Street.

Enclosed herewith is our Application to the Design Review Board for design review. Also enclosed are the Plans prepared by Sunwealth Power, Inc., for the solar roof system and an Updated Parking Plan prepared by VHB showing the relocation of the three (3) parking spaces necessitated to accommodate the solar battery equipment. Six (6) sets of all plans are enclosed herewith.

In addition, a separate email is also being sent to you with a link to our Application to the Design Review Board along with all the requisite plans.

We are also submitting to the Planning Board an Application for Site Plan Review/Approval for the aforesaid solar garage roof and associated equipment and the relocation of three (3) parking spaces. A copy of that Application is enclosed.

If possible, please schedule us for the Design Review Board's October 3, 2022 hearing.

Lastly, please feel free to call me or email me with any questions or comments you may have.

Thank you for your cooperation.

Sincerely,

BP 140 KENDRICK STREET LLC

cc by email:

Christopher Hiserman (chiserman@bxp.com)

Ellesse Lunde (elunde@bxp.com)

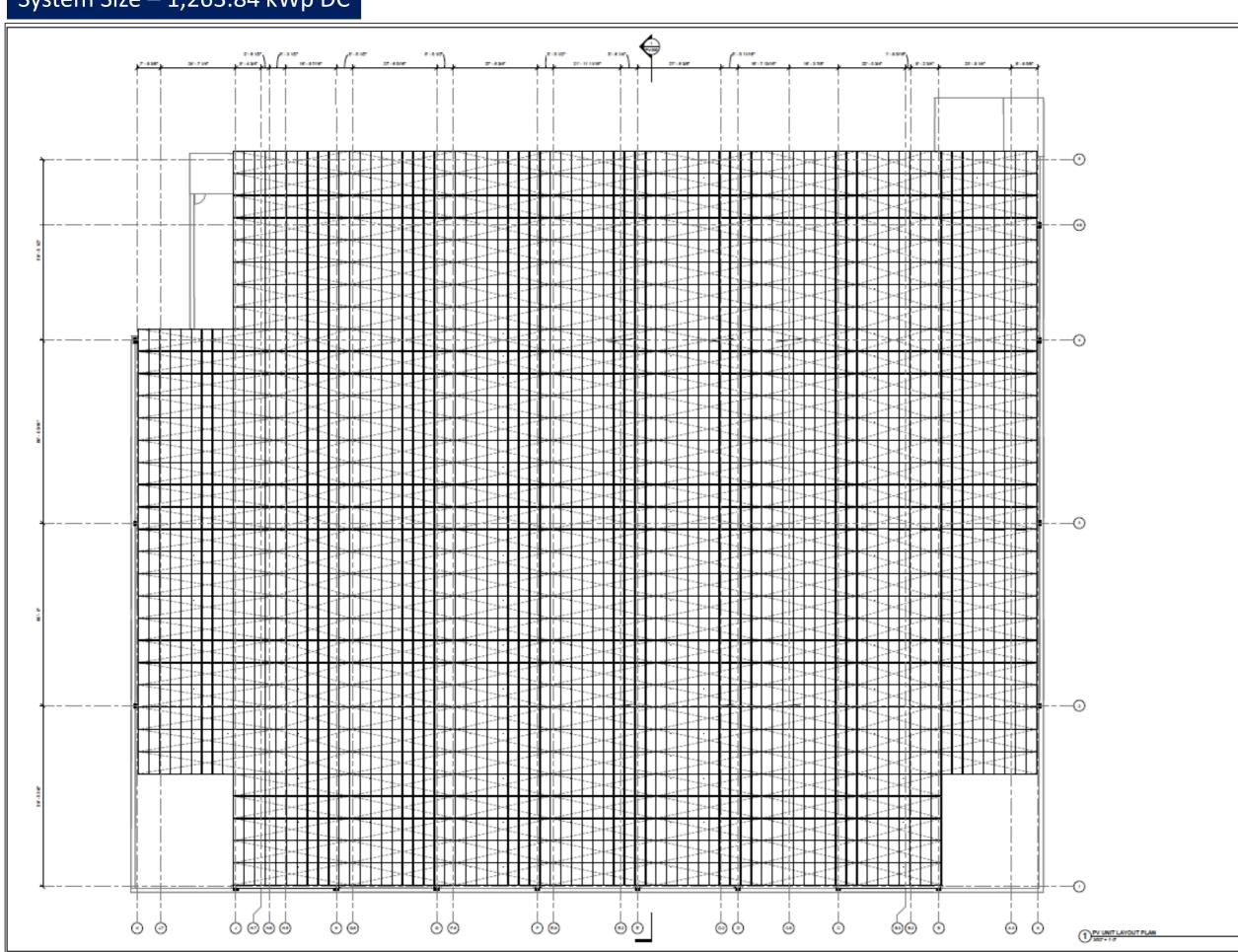




Boston Properties



Single Tilt 2°
System Size – 1,263.84 kWp DC







CLIENT: SUNWEALTH CARPORT: PARASOL SOLFLEX

LOCATION: BOSTON PROPERTIES

140 KENDRICK ST

NEEDHAM HEIGHTS, MA 02494

PANELS: HANWHA G11.3 480WW

DATE: AUGUST 16, 2022



GENERAL NOTES:

Parasol Structures

- Result of easement reports and underground utilities may affect final placement of solar arrays.
- Conflicting trees and other obstructions will have to be removed, trimmed, or relocated
- Detailed analysis of the effect of shade on arrays has not been performed.
- 4. Soil analysis has not been performed
- 5. It is assumed that the site is not in a flood plain.
- Structural Analysis of the Garage has not been performed

Parasol Structures

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GENERAL SITE CONSTRUCTION NOTES

- 1. PRIOR TO THE START OF CONSTRUCTION, THE SITE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE AND DIMENSION OF ALL UTILITIES IN AREA WHERE WORK IS TO BE PERFORMED. SUBCONTRACTOR AND/OR PARASOL ASUMES NEITHER THE RESPONSIBILITY FOR THE LOCATION OF ENCASED AND/OR HIDDEN UTILITIES SHOWN NOR THE LACK THEREOF.
- 2. ANY DISCREPANCIES IN REFERENCE, COORDINATES, ELEVATIONS, EXISTING DIMENSIONS, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF PARASOL AND/OR OWNER'S REPRESENTATIVES BEFORE PROCEEDING WITH WORK.
- 3. ALL WORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE MOST RECENT LOCAL AND NATIONAL CONSTRUCTION STANDARDS AND BUILDING CODES.
- 4. IN INSTANCES WHERE THE AHJ PROVIDES NO DETAILED SPECIFICATIONS, THE MATERIALS AND METHODS OF CONSTRUCTION SHALL MEET AND CONFORM TO THE REQUIREMENTS OF LOCAL CODES AND UFC REQUIREMENTS.
- 5. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER OF RECORD AND PARASOL PRIOR TO FABRICATION.

COORDINATION NOTES

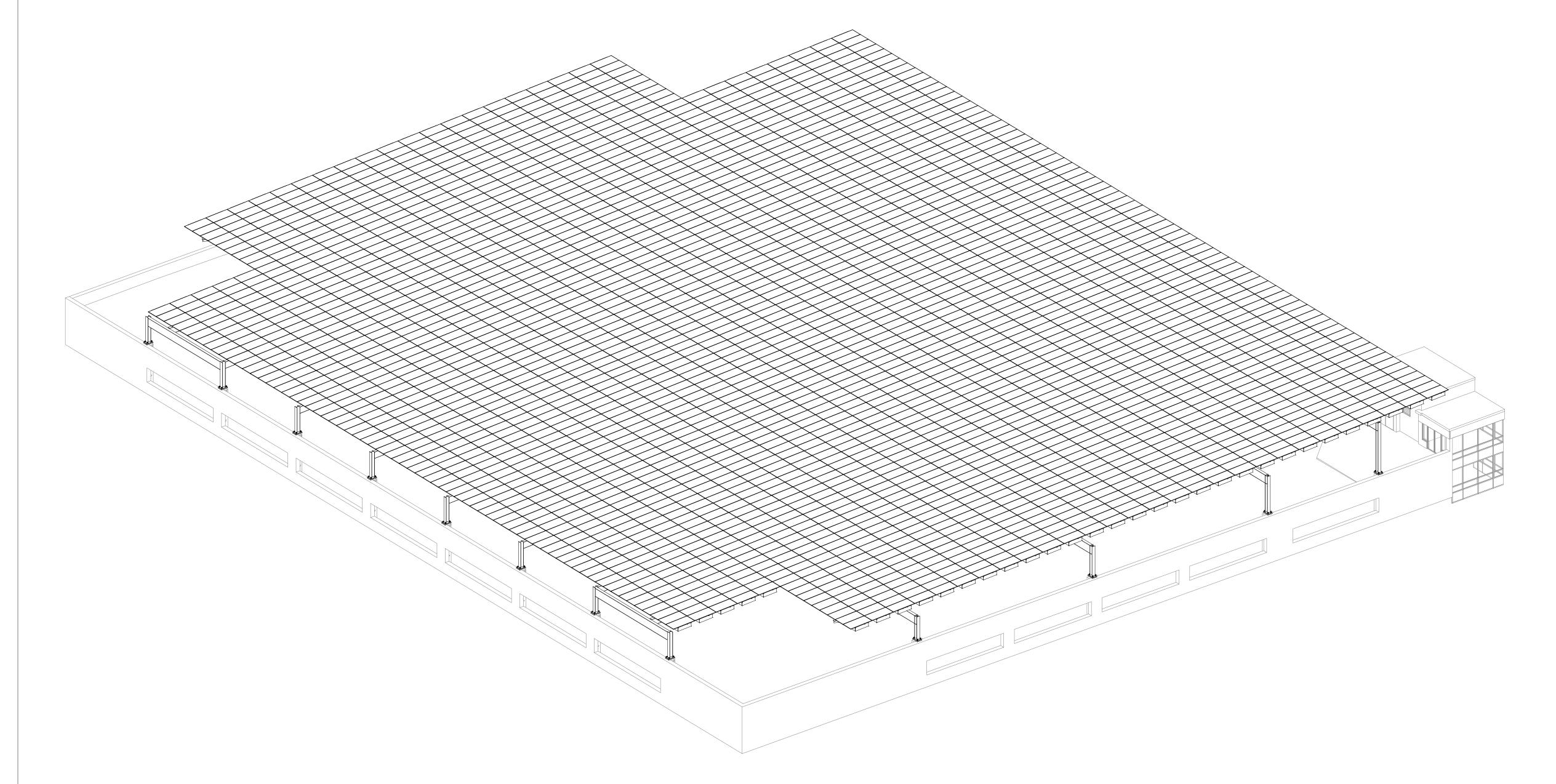
- 1. PARASOL ANTICIPATES THAT THE TOPS OF ALL EXISTING CONCRETE PIERS AND WALLS SHALL BE AT ELEVATIONS SPECIFIED HEREIN.
- 2. INSTALLATION ERRORS IN PRECAST CONSTRUCTION ARE TO BE CORRECTED BY THE GENERAL CONTRACTOR PRIOR TO THE ARRIVAL OF THE ERECTION CREW AND PRIOR TO THE ERECTION OF THE STRUCTURE.
- 3. ANY EXISTING UTILITY FINDINGS THAT CONFLICT WITH THE RECORD OF KNOWN CONDITIONS SHALL BE REPORTED TO PARASOL AND/OR THE OWNER'S REPRESENTATIVE.

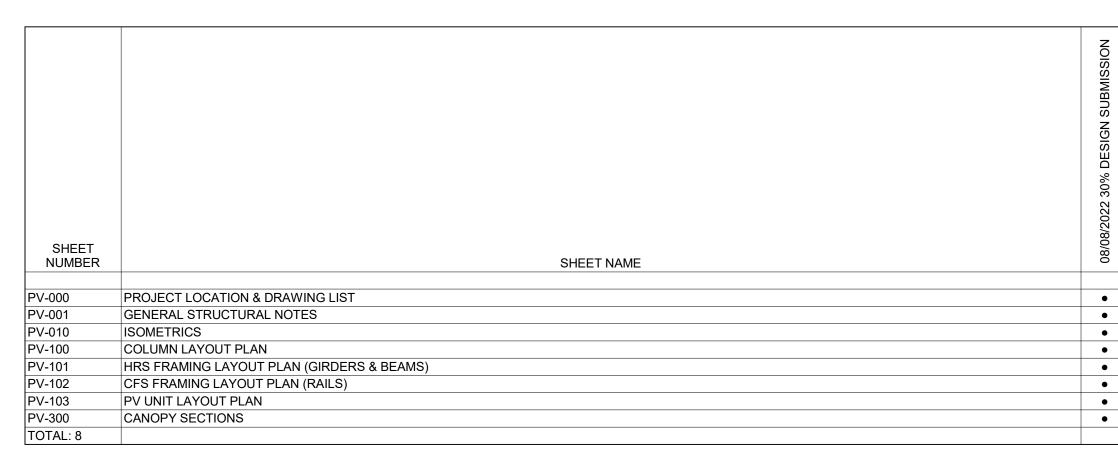
STEEL FABRICATION NOTES

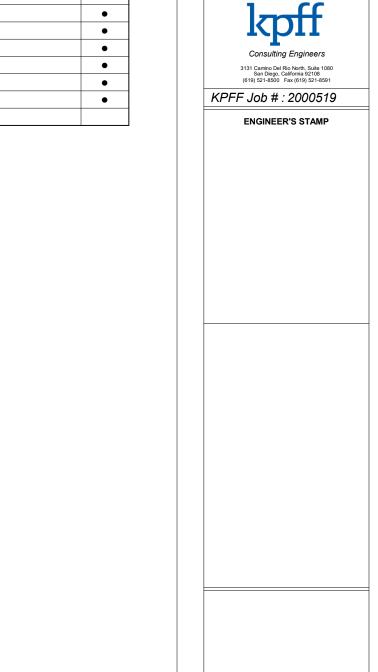
- 1. ALL STEEL FABRICATED FOR THIS PROJECT IS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (A.E.S.S.)
- 2. PURLINS ARE TO BE FINISHED AS FOLLOWS:
- A.HOT DIP GALVANIZING G90 PER ASTM 653
- 3. COLUMNS AND CROSSBEAMS ARE TO BE FINISHED AS FOLLOWS:
- A.HOT DIP GALVANIZING PER ASTM 123
- 4. NUTS, BOLTS & WASHERS
- A.HOT DIP GALVANIZING PER ASTM 153
- 5. FOR TOUCH UP AND CLEANING
- A.USE SOLVENTS OR MECHANICAL CLEANING METHODS THAT COMPLY WITH THE STEEL STRUCTURES PAINTING COUCILS (SSPC)
- B.WIRE BRUSH CLEAN WITH SOLVENTS RECOMMENEDED BY FINISH MANUFACTURER AND TOUCH-UP WITH SAME FINISH SYSTEMS DESCRIBED ABOVE

COLD WEATHER NOTES

- 1. IN COLD WEATHER CONDITIONS PLEASE NOTE THAT COMPLETION OF SOME TEMPERATURE DEPENDENT WORK MAY BE DELAYED UNTIL TEMPERATURES REACH 45 DEGREES F AND RISING.
- THIS WORK MAY INCLUDE: A.BASE PLATE GROUTING
- **B.PARGING**
- C.LINE STRIPING
- D.TOUCH-UP PAINTING







sunwealth

NEW YORK BOSTON

WWW.PARASOLSTRUCTURES.COM

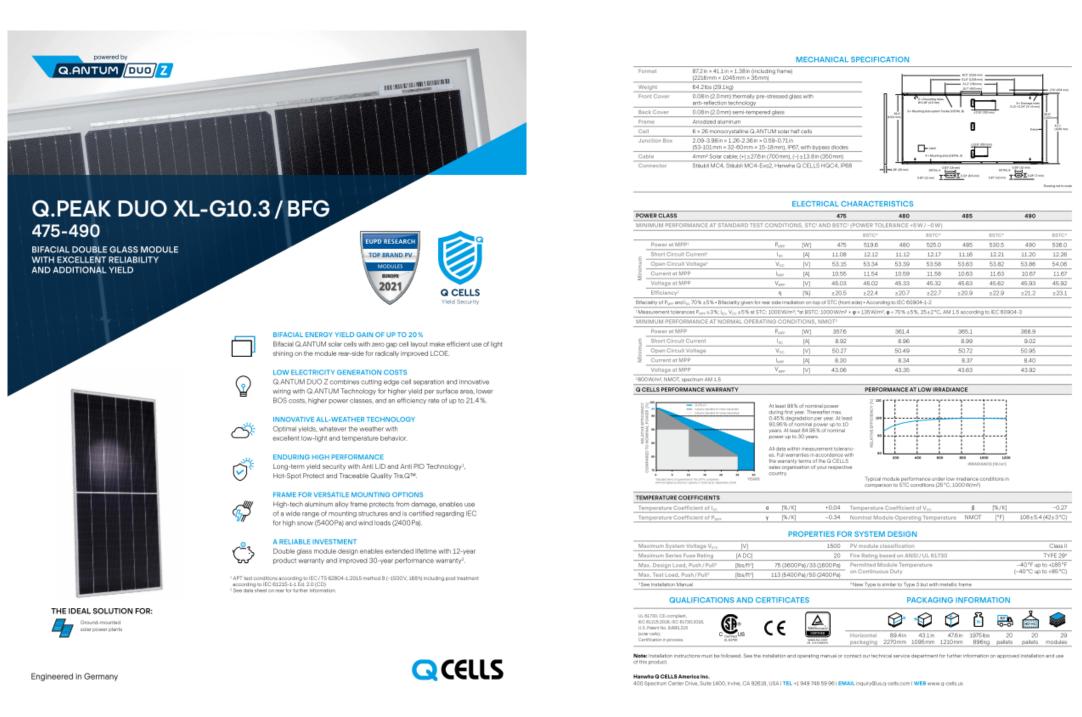
THIS DRAWING AND ALL THE INFORMATION CONTAINED HEREIN IS THE INTELLECTUAL PROPERTY OF PARASOL STRUCTURES., AUTHORIZED FOR THE SOLE USE OF THE

PROJECT LOCATED AT ADDRESS BELOW.

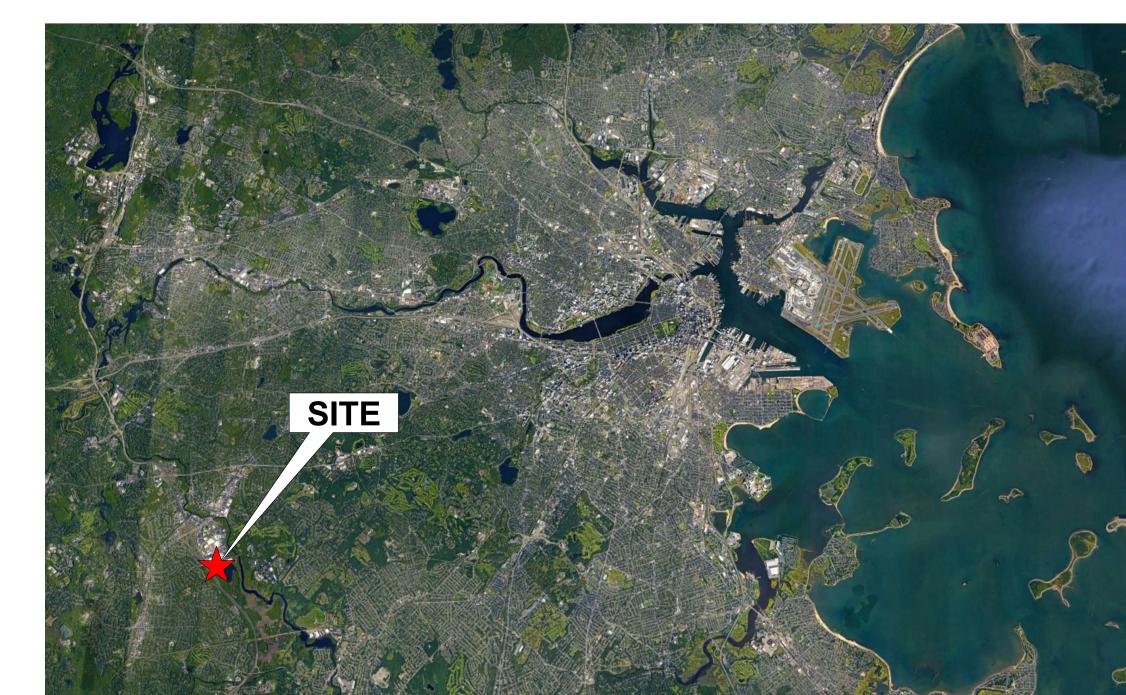
CONTRACTED WITH PARASOL STRUCTURES. TH DRAWING MAY NOT BE COPIED, REUSED, DISCLOSED, DISTRIBUTED OR RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN

CONSENT OF PARASOL STRUCTUES.

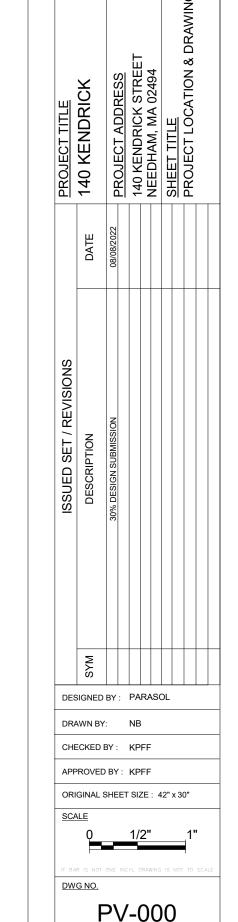
PROJECT #:22004











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3 OVERAL CANOPY ISOMETRIC N.T.S.

DESIGN CRITERIA

CODE: 9th EDITION OF THE MA STATE BUILDING CODE (780 CMR) BASED ON THE 2015 IBC GOVERNING JURISDICTION: NEEDHAM ,MA

LIVE LOADS: ...V = 128 mph IMPORTANCE FACTOR $_{-}I_{w} = 1.0$ WIND EXPOSURE ... **OCCUPANCY CATEGORY** GUST EFFECT FACTOR. -G = 0.85SNOW DESIGN CRITERIA $P_a = 40 \text{ psf}$ $-I_S = 1.0$

SEISMIC ANALYSIS: EQUIVALENT LATERAL FORCE PROCEDURE HAS BEEN USED: SITE CLASSIFICATION... OCCUPANCY CATEGORY SEISMIC DESIGN CATEGORY.

...P_f = 35 psf

IMPORTANCE FACTOR. ...I_E = 1.0 $S_S = 0.252 g$ $S_{DS} = 0.269 g$

SEISMIC LOAD RESISTING SYSTEM __ = OTHER MECHANICAL OR ELECTRIC COMPONENTS RESPONSE MODIFICATION COEFFICIENT_R₀= 1.5 COMPONENT AMPLIFICATION FACTOR ---- a_p = 1.0 IMPORTANCE FACTOR -

_{- -}F_p=0.21*W

SCOPE OF WORK

SEISMIC DESIGN FORCE.

1. SCOPE OF WORK INCLUDES THE DESIGN OF CANTILEVER STEEL SUPPORT STRUCTURES FOR PV PANELS AT AN EXISTING PARKING GARAGE.

 $S_1 = 0.063 g$

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. DO NOT SCALE THE DRAWINGS. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. IN CASE OF CONFLICT, MORE COSTLY REQUIREMENTS GOVERN FOR BIDDING. SUBMIT CLARIFICATION REQUEST PRIOR TO PROCEEDING WITH WORK.
- 2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY DEVIATION FROM THE APPROVED SET OF CONTRACT DOCUMENTS SHALL ONLY BE MADE AFTER WRITTEN APPROVAL BY THE ENGINEER OF RECORD. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. UNLESS NOTED OTHERWISE, DETAILS IN STRUCTURAL DRAWINGS ARE TYPICAL AS INDICATED BY CUTS, REFERENCES OR TITLES.
- 4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING: LOCAL BUILDING CODE, ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- 5. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 6. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
- 7. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED
- 8. CONTRACTOR TO PROVIDE A LIST OF ALL PROPOSED SUBSTITUTIONS, WITH APPLICABLE MANUFACTURER'S ICC REPORTS TO ARCHITECT, ENGINEER OF RECORD AND GOVERNING JURISDICTION FOR REVIEW AND APPROVAL BEFORE FABRICATION.
- 9. NOTICE TO THE APPLICANT / OWNER / OWNER'S AGENT / ARCHITECT: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION / INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE GOVERNING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING, AND OFF-SITE FABRICATION OF BUILDING COMPONENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS REQUIRED BY THE GOVERNING BUILDING CODES.
- 10. NOTICE TO THE CONTRACTOR / BUILDER / INSTALLER / SUBCONTRACTOR / OWNER-BUILDER: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION / INSTALLATION OF THE WORK SPECIFIED HEREIN. YOU ACKNOWLEDGE AND ARE AWARE OF THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE GOVERNING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING, AND OFF-SITE FABRICATION OF BUILDING COMPONENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS REQUIRED BY THE GOVERNING BUILDING CODES.

SPECIAL INSPECTION

THE FOLLOWING ELEMENTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER CHAPTER 17 OF THE CODE

	STEEL: SPECIAL INSPECTION TASK	CONTINOUS	PERIODIC
	1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS.	-	Х
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE.	-	Х
:	2. INSPECTION OF HIGH-STRENGTH BOLTING (SEE NOTES F & G):		
	A. SNUG-TIGHT JOINTS	-	Х
	B. PRETENSIONED AND SLIP-CRITICAL JOINTS CONFORMING TO 1704.3.3.2	-	Х
	C. PRETENSIONED AND SLIP-CRITICAL JOINTS NOT CONFORMING TO 1704.3.3.2	X	-
;	3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
	A. FOR STRUCTURAL STEEL, INDENTIFICATION MARKINGS CONFORMING TO AISC 360, LATEST EDITION	-	Х
	B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	Х
	C. MANUFACTURERS' CERTIFIED TEST REPORTS.	-	Х
	4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION	-	Х
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE.	-	Х
,	5. INSPECTION OF WELDING:		
	A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
	1). COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	-
	2). MULTIPASS FILLET WELDS	X	-
	3). SINGLE-PASS FILLET WELDS > 5/16"	X	-
	4). PLUG AND SLOT WELDS	X	-
	5). SINGLE-PASS FILLET WELDS ≤ 5/16"	-	Х
	6). VISUAL INSPECTION OF HSS SEAM WELDS. NON-DESTRUCTIVE TESTING OF SEAM WELDS MAY BE REQUIRED BY THE ENGINEER OF RECORD IF ANY OF THE SEAM WELDS APPEAR TO BE DEFECTIVE.	-	X
	7). SHOP WELDING: SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE GOVERNING JURISDICTION.	Х	-
_			
	STEEL: SPECIAL INSPECTION TASK	CONTINOUS	PERIODIC
	A DOOT WATER AND LODG WILLIAM DELICE CONTOURS (OFFICE AND THE		1 1/

STEEL: SPECIAL INSPECTION TASK	CONTINOUS	PERIODIC
1. POST-INSTALLED ANCHORS IN HARDENED CONCRETE (SEE NOTE H).	-	Х
2. HIGH STRENGTH GROUT UNDER COLUMN BASE PLATES.	-	X

1. THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY THE GOVERNING JURISDICTION. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF AN INSPECTOR FROM THE GOVERNING JURISDICTION IS SUBJECT TO REMOVAL OR EXPOSURE.

- 2. FOR CONTINUOUS INSPECTION, WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED IN ACCORDANCE WITH THE PROVISIONS OF THE CODE, IT IS THE AGENT'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT ALL WORK IS INSPECTED IN ACCORDANCE WITH THOSE
- 3. THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE GOVERNING JURISDICTION IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
- **EXCEPTIONS:** a. WHEN WAIVED BY THE GOVERNING JURISDICTION

EPOXY, AND THE PROPER MATERIAL FOR ASSEMBLY.

- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION
- IS SUBJECT TO REMOVAL 5. A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE GOVERNING JURISDICTION AND ENGINEER OF RECORD.
- 6. PROVIDE SPECIAL INSPECTION FOR CONNECTIONS BOLTED WITH A325 AND A490 BOLTS. INSPECTIONS SHALL BE DONE PER APPROVED NATIONALLY RECOGNIZED STANDARDS AND THE REQUIREMENTS OF THE CODE AND THE GOVERNING JURISDICTION. WHILE THE WORK IS IN PROGRESS, THE SPECIAL INSPECTOR SHALL DETERMINE THE BOLTS, NUTS, WASHERS AND PAINT; BOLTED PARTS; AND INSTALLATION AND TIGHTENING MEET THE STANDARDS REQUIREMENTS. 7. THE SPECIAL INSPECTOR FOR HIGH STRENGTH BOLTED CONNECTIONS SHALL:
- a. OBSERVE THE CALIBRATION PROCEDURES WHEN SUCH PROCEDURES ARE REQUIRED BY THE PLANS OR SPECIFICATIONS.
- b. MONITOR THE INSTALLATION OF BOLTS TO DETERMINE THAT ALL PLIES OF CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER.
- c. MONITOR THAT THE SELECTED PROCEDURE IS PROPERLY USED TO TIGHTEN ALL BOLTS. 8. THE SPECIAL INSPECTOR FOR EPOXY ANCHORS SHALL VERIFY THE DRILLING OF ANY HOLES, THE CLEANLINESS OF THE HOLE, THE MOISTURE IN THE HOLE, MIXING THE EPOXY, THE BRAND OF
- 9. THE SPECIAL INSPECTOR SHALL PROVIDE PERIODIC REPORTS AND A FINAL REPORT TO THE STRUCTURAL ENGINEER.
- 10.THE SPECIAL INSPECTOR SHALL ENSURE THAT ALL DEFICIENCIES NOTED BY THE STRUCTURAL ENGINEER IN STRUCTURAL OBSERVATION REPORTS ARE CORRECTED. SUCH COMPLIANCE SHALL BE REFERENCED IN SPECIAL INSPECTOR REPORT.
- 11.THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE GOVERNING JURISDICTION FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND, EQUIPMENTS. 12.A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, TESTING AND STRUCTURAL OBSERVATIONS MUST BE COMPLETED BY THE PROPERTY OWNER'S
- GOVERNING JURISDICTION. 13.PERIODIC INSPECTION SHALL OCCUR FREQUENTLY ENOUGH TO INSPECT ALL OF THE INSTALLED

AGENT OF RECORD, ARCHITECT OF RECORD OR, ENGINEER OF RECORD AND SUBMITTED TO THE

STRUCTURAL OBSERVATION

OF CONSTRUCTION.

STRUCTURAL OBSERVATION PER THE REQUIRMENTS OF THE CODE IS REQUIRED. THE STRUCTURAL ENGINEER WILL VISIT THE PROJECT AT THE FOLLOWING STAGES

ITEMS AND TO PERIODICALLY WITNESS THE INSTALLATION OF THE ITEMS

GOVERNING JURISDICTION THAT ALL DEFICIENCIES ARE RESOLVED.

ITEM	STAGE	
STRUCTURAL STEEL	AFTER ERECTION	

- a. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE INSPECTIONS REQUIRED BY THE
- b. ALL OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, AND CONTRACTOR. THE STRUCTURAL OBSERVER SHALL SUBMIT A FINAL WRITTEN STATEMENT TO THE GOVERNING JURISDICTION THAT SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES THAT HAVE NOT BEEN RESOLVED. THE STRUCTURE WILL NOT BE IN COMPLIANCE UNTIL THE DESIGNER HAS NOTIFIED THE

SHOP DRAWINGS/SUBMITTALS

- 1. THE STRUCTURAL SHOP DRAWING REVIEW IS INTENDED TO HELP THE ENGINEER VERIFY THE DESIGN CONCEPT. IT IS THE CONTRACTOR'S RESPONSIBILTY TO CHECK THEIR OWN SHOP
- 2. THE STRUCTURAL SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF A CURSORY REVIEW
- SHOWS MAJOR ERRORS WHICH SHOULD HAVE BEEN FOUND BY THE CONTRACTOR'S CHECKING.
- 3. THE FOLLOWING SHOP DRAWINGS ARE NOT REQUIRED FOR SUBMITTAL FOR STRUCTURAL REVIEW. b. STRUCTURAL STEEL MILL REPORTS
- 4. THE FOLLOWING SHOP DRAWINGS (AND CALCULATIONS WHEN APPICABLE) ARE REQUIRED FOR
- SUBMITTAL FOR STRUCTURAL REVIEW.
- a. GROUT MIX DESIGNS, INCLUDING STRENGTH AND SHRINKAGE TEST RESULTS b. STRUCTURAL STEEL
- c. WELDING PROCEDURE SPECIFICATIONS (SEE NOTE 9 BELOW) d. PV PANEL CUTSHEET
- 5. ANY SUBMITTAL OF A DETAIL SHEET WITH ADDED INFORMATION NOT SHOWN ON PLANS SHALL BE ACCOMPANIED BY LOCATION PLAN IDENTIFYING THE MEMBERS INVOLVED AND CLOUDING AROUND
- 6. ANY ENGINEERING SUBMITTED FOR REVIEW SHALL BE APPROPRIATELY SEALED. FULL
- RESPONSIBILITY OF SUCH ENGINEERING RESTS WITH THE PERSON SEALING THE DESIGN. 7. THE SHOP DRAWINGS SHALL REFERENCE THE DATE OF THE DESIGN USED TO PRODUCE THE
- 8. CONTRACTOR/SUBCONTRACTOR TO PROVIDE A DIGITAL COPY (PDF) OF SHOP DRAWINGS FOR REVIEW BY THE ENGINEER OF RECORD. REDLINED DIGITAL SET WILL BE RETURNED TO THE CONTRACTOR WITH REDLINES FOR REPRODUCTION AND DISTRIBUTION.
- WPS CHECK LIST
- a. SUPPORTING PQR NO.
- b. PROCESS (SMAW, FCAW, ETC)
- JOINT DESIGN & BASE MATERIAL a. JOINT TYPE (CORNER, BUTT, LAP, T)
- b. MAX ROOT OPENING c. BACKING (THICKNESS, MATERIAL TYPE)
- d. GROOVE ANGLE e. TOTAL # OF PASSES
- . BASE MATERIAL SPEC, GRADE & THICKNESS g. WPS SHOULD INCLUDE FIGURE h. MAX ROOT & FILL PASS THICKNESS
- FILLER MATERIAL & SHIELDING
- a. ELECTRODE SPECIFICATION (AWS A5.1, A5.20, ETC)
- b. ELECTRODE CLASSIFICATION (E701B, E71T-1, ETC) c. ELECTRODE DIAMETER (5/32", 1/8", ETC.) AND STICK-OUT (IF APPLICABLE) d. SHIELDING GA, IF APPLICABLE (GAS COMPOSITION, FLOW RATE)
- e. FLUX, IF APPLICABLE f. AS WELDED TOUGHNESS (SUCH AS 20 FT-LBS @ -20 DEGREES) PER FILLER SPECS
- a. MIN & MAX PREHEAT TEMPERATURE b. MIN & MAX INTERPASS TEMPERATURE
- ELECTRICAL PARAMETERS
- a. POLARITY (AC, DC+, DC-) b. WELDING CURRENT (AMPERAGE)/WIRE FEED SPEED (IPM) c. ARC VOLTAGE (VOLTS)
- d. TRAVEL SPEED (IPM) (FCAW/GMAW)
- TECHNIQUE/MISC
- a. WEAVE/STRINGER, MULTIPASS/SINGLE PASS
- c POSITION (F H V O) d. VERTICAL PROGRESSION (IF APPLICABLE)
- NOTES:
- 1. THE ABOVE LIST SHOWS THE MINIMUM VARIABLES, OTHER VARIABLES MAY BE INCLUDED. 2. OTHER VARIABLES MAY BE REQUIRED PER STRUCTURAL PLANS OR SPECS. SEE D1.1 ANNEX IV,
- ANNEX E. AND TABLE 4.5 FOR QUALIFIED WPS; ANNEX H AND TABLE 3.67 FOR PREQUALIFIED WPS.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH THE LATEST EDITION OF AISC 360 (EXCLUDING
- 2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW

DESCRIPTION	DESIGNATION
ALL BASE PLATES, CAP PLATES	A572, GRADE 50
ALL ANGLES AND CHANNELS	A36, U.N.O.
ALL WF SECTIONS	A992, GRADE 50
HSS SECTIONS	A500, GRADE B
HIGH STRENGTH BOLTS	A325
MACHINE BOLTS AND THREADED RODS	A307
MISC. PLATES	A572, GRADE 50
ANCHOR BOLTS	F1554, GRADE 105

3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.

- 4. HOLES IN STEEL SHALL BE AS FOLLOWS, UNO:
- a. FOR NOMINAL BOLT SIZE LESS THAN 1", HOLE DIAMETER SHALL BE 1/16" LARGER.
- b. FOR NOMINAL BOLT SIZE EQUAL TO OR LARGER THAN 1", HOLE DIAMETER SHALL BE 1/8" LARGER. c. COLUMN BASE PLATE HOLES MAY BE OVERSIZED PER AISC MANUAL TB 14-2.
- 5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, OR SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED.
- 6. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. GALVANIZING AT FIELD WELDS SHALL BE REPAIRED WITH A
- GALVANIZING REPAIR PAINT ACCORDING TO ASTM A780.
- 7. PROVIDE BEVELED WASHERS PER ANSI B18.23.1 AS REQUIRED ON SLOPED SURFACES.
- 8. STRUCTURAL MEMBERS AND CONNECTIONS EXPOSED TO VIEW IN THE COMPLETED STRUCTURE SHALL BE DESIGNATED ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) WHERE NOTED ON
- 9. WELDING:
- a. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (U.N.O.). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1 LATEST REVISION) OF THE AMERICAN WELDING
- SOCIETY. SEE SPECIAL INSPECTION SECTION FOR WELDING INSPECTION REQUIREMENTS.
- b. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
- c. WELDS TERMINATING AT ENDS OR SIDES, WHERE PRACTICAL, SHALL BE RETURNED CONTINUOUSLY AROUND CORNERS A DISTANCE 2 TIMES THE NOMINAL SIZE OF THE WELD PER
- AISC 360 SECTION J2.2B, U.N.O. d. ALL FULL-PENETRATION FIELD WELDS SHALL BE ULTRASONICALLY TESTED.
- e. ALL TWO-SIDED FILLET WELDS SHOWN SHALL BE WELDED WITH THE SAME (GIVEN) WELD SIZE ON
- f. ALL UNSIZED GROOVE OR BUTT WELDS SHOWN SHALL BE COMPLETE PENETRATION. ALL PROVISIONS OF AWS SHALL BE OBSERVED INCLUDING REQUIREMENTS FOR BACK-UP PLATES AND WELD TRANSITIONS WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN.
- g. A WRITTEN WELDING PROCEDURE SPECIFICATION SHALL BE SUBMITTED TO THE TESTING LABORATORY. IT SHALL INCLUDE ALL WELDING PROCEDURES TO BE USED AS DESCRIBED IN AWS,
- h. SPECIAL CONSIDERATION SHALL BE GIVEN TO WELDING TECHNIQUE AND SEQUENCE.
- PARTICULARLY WHERE THERE IS A POTENTIAL FOR LAMELLAR (THROUGH-THICKNESS) TEARING. i. WHERE FIELD WELDING IS INDICATED, THE FIELD DESIGNATION IS GIVEN AS A RECOMMENDATION
- 11.ALL ANCHOR BOLTS SHALL BE HEADED STUD BOLTS OR THREADED RODS WITH NUTS. J BOLTS ARE NOT ACCEPTABLE IN ANY APPLICATION. 12.GROUT OTHER THAN FOR MASONRY CELLS SHALL BE NON-SHRINK, NON-METALLIC GROUT, MEETING ASTM C-1107, MIXED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. MINIMUM

COMPRESSIVE STRENGTH SHALL BE 8,000 PSI IN 28 DAYS, UNLESS APPROVED BY THE STRUCTURAL

COLD-FORMED STEEL

- A. ALL COLD-FORMED METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, " CURRENT
- B. ALL COLD-FORMED STRUCTURAL MEMBERS SHALL BE PER ICC ER-3064P.
- C. ALL COLD-FORMED STEEL SHALL CONFORM TO THE FOLLOWING:

43 MIL AND LIGHTER	ASTM A653 GR 33
54 MIL AND HEAVIER	ASTM A653 GR 55

D. ALL COLD-FORMED STEEL SHALL HAVE A MINIMUM COATING CONFORMING TO THE FOLLOWING:

LOAD-BEARING AND	COATING PROTECTION G90 PLUS AN
EXTERIOR STRUCTURAL	APPROVED COATING PER CURRENT ASTM
MEMBERS	C955

E. WELDING IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY ENGINEER OF RECORD. F. ALL APPROVED WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED FOR ALL APPROPRIATE

DIRECTIONS COMPLYING WITH AWS D1.3. WELDING RODS SHALL CONFORM TO THE FOLLOWING:

43 MIL AND LIGHTER	E60XX
54 MIL AND HEAVIER	E70XX OR E6013
COLD-FORMED TO	E70XX LOW HYDROGEN

STRUCTURAL STEEL

BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.

G. WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE PERMITTED. H. TEMPORARY BRACING REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

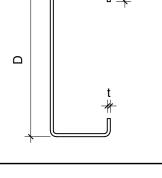
I. ALL SCREWS SHALL BE FULLY DRIVEN AND PROTRUDE THE LARGER OF 3 THREADS OR 1/4"

- THROUGH THE LAST MATERIAL JOINED. THERE SHALL BE NO SPACE BETWEEN JOINING MEMBERS AT THE SCREW LOCATION.
- 2. LOAD-BEARING AND EXTERIOR STRUCTURAL MEMBERS A. FIELD CUTS THROUGH FLANGES OF STUD OR TRACK SHALL NOT BE PERMITTED UNLESS
- SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD. B. ALL FIELD CUTTING OF MEMBERS SHALL BE BY SAWING OR SHEARING. TORCH OR PLASMA
- CUTTING OF MEMBERS SHALL NOT BE PERMITTED. C. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED ON AN ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL
- D. SPLICING OF STUDS, JOISTS, OR OTHER LOAD CARRYING MEMBERS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.
- E. IF ADDITIONAL HOLES ARE REQUIRED IN LOAD CARRYING MEMBERS, CONTACT THE ENGINEER OF RECORD FOR GUIDANCE BEFORE CUTTING HOLES. F. WHEN CLIP ANGLES ARE USED TO ATTACH A COMPONENT TO THE PRIMARY STRUCTURE, THE
- CLIP ANGLE SHALL BE FASTENED TO THE PRIMARY STRUCTURE FIRST; THEN THE COMPONENT SHALL BE BROUGHT TO BEAR ON THE STRUCTURE AND FASTENED TO THE CLIP ANGLE. G. EACH FRAMING MEMBER AND BUNDLES OF LIKE MEMBERS SHALL BE IDENTIFIED WITH THE MANUFACTURER'S NAME, YIELD STRENGTH, MINIMUM UNCOATED BASE METAL THICKNESS,

PROTECTIVE COATING WEIGHT AND STUD SIZE EMBOSSED OR STAMPED ON THE WEB OF EACH SECTION AT A MAXIMUM OF 48" O.C. STUD MUST BE DESIGNED TO MEET THE REQUIREMENTS OF

CODE SECTION 2209. 3. ALL CALCULATED MEMBER PROPERTIES PER AISI SPECIFICATIONS ARE BASED ON THE FOLLOWING THICKNESSES:

MINIMUM THICKNESS	REFERENCE GAUGE	DESIGN THICKNESS
33 MIL	20 GA	0.0346"
43 MIL	18 GA	0.0451"
54 MIL	16 GA	0.0566"
68 MIL	14 GA	0.0713"
97 MIL	12 GA	0.1017"
118 MIL	10 GA	0.1242"



MINIMUM SECTION PROPERTIES FOR CEE SHAPES

2022 ALL RIGHTS RESERVED.

DESIGNED BY: PARASOL DRAWN BY: NB CHECKED BY: KPFF APPROVED BY: KPFF ORIGINAL SHEET SIZE: 42" x 30"

Sunwealtl

NEW YORK BOSTON

WWW.PARASOLSTRUCTURES.COM

ONTAINED HEREIN IS THE INTELLECTU PROPERTY OF PARASOL STRUCTURES.

PROJECT LOCATED AT ADDRESS BELOW

DRAWING MAY NOT BE COPIED, REUSED,

CONSENT OF PARASOL STRUCTUES.

Consulting Engineers

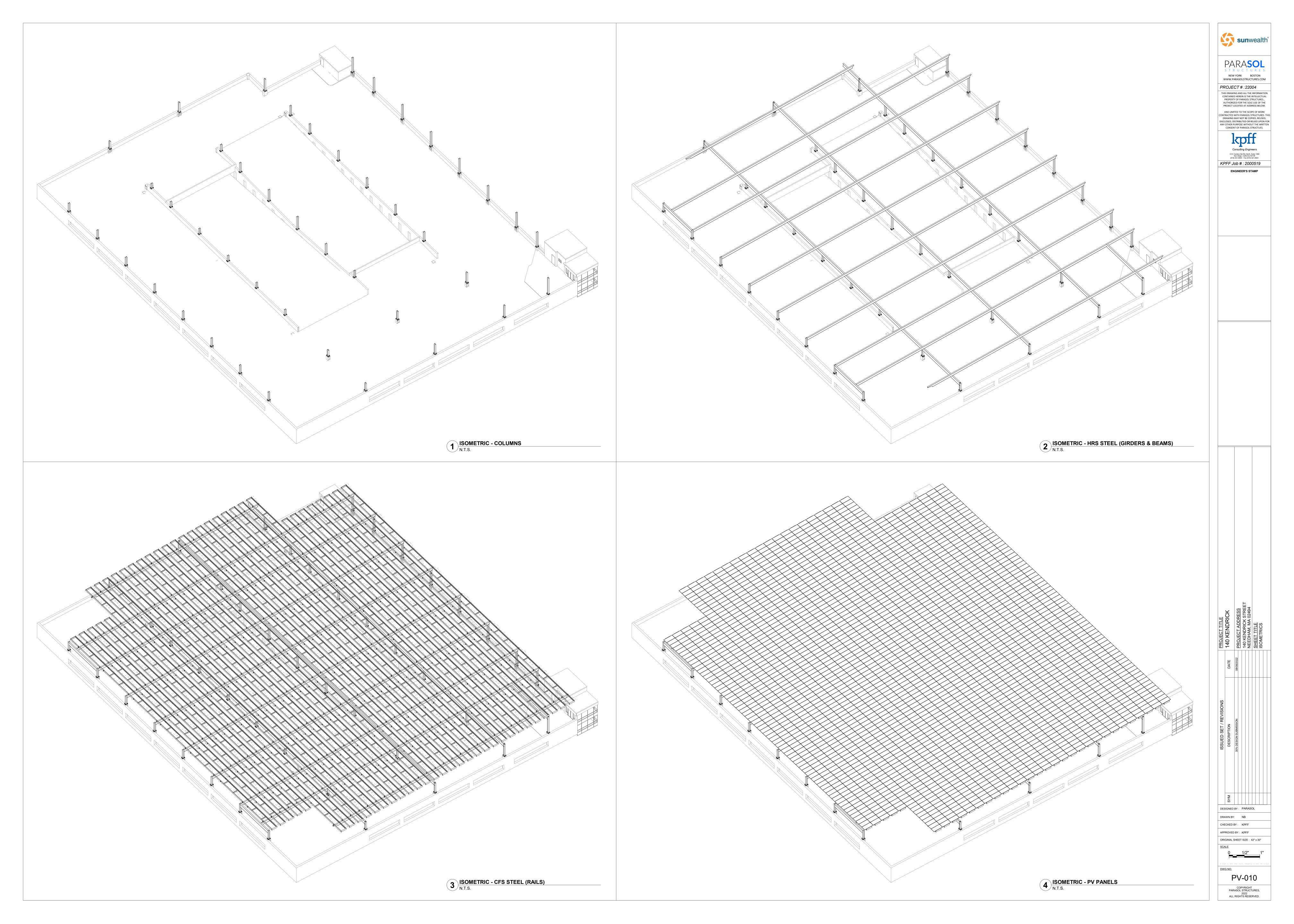
3131 Camino Del Rio North, Suite 1080 San Diego, California 92108 (619) 521-8500 Fax (619) 521-8591

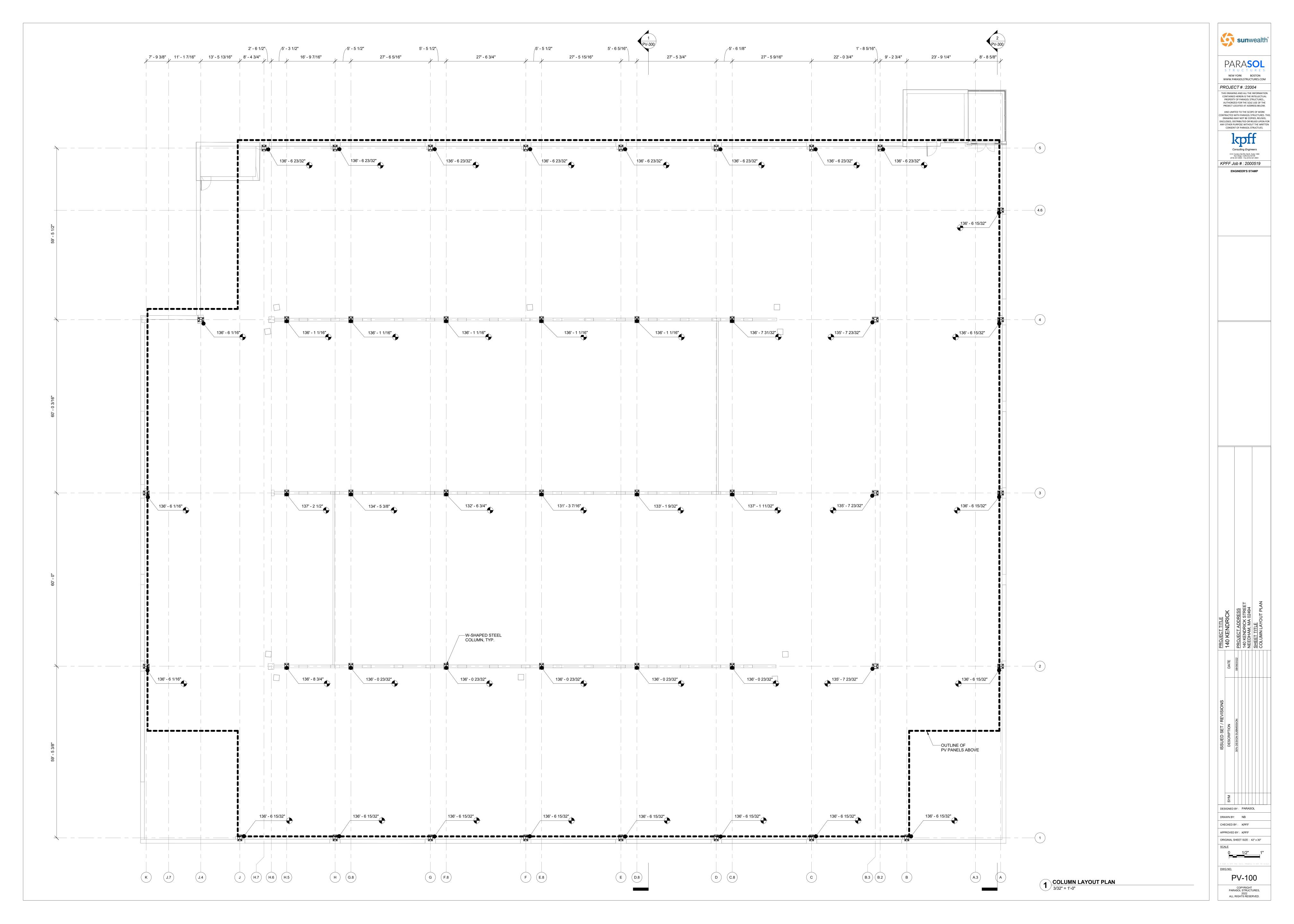
ENGINEER'S STAMP

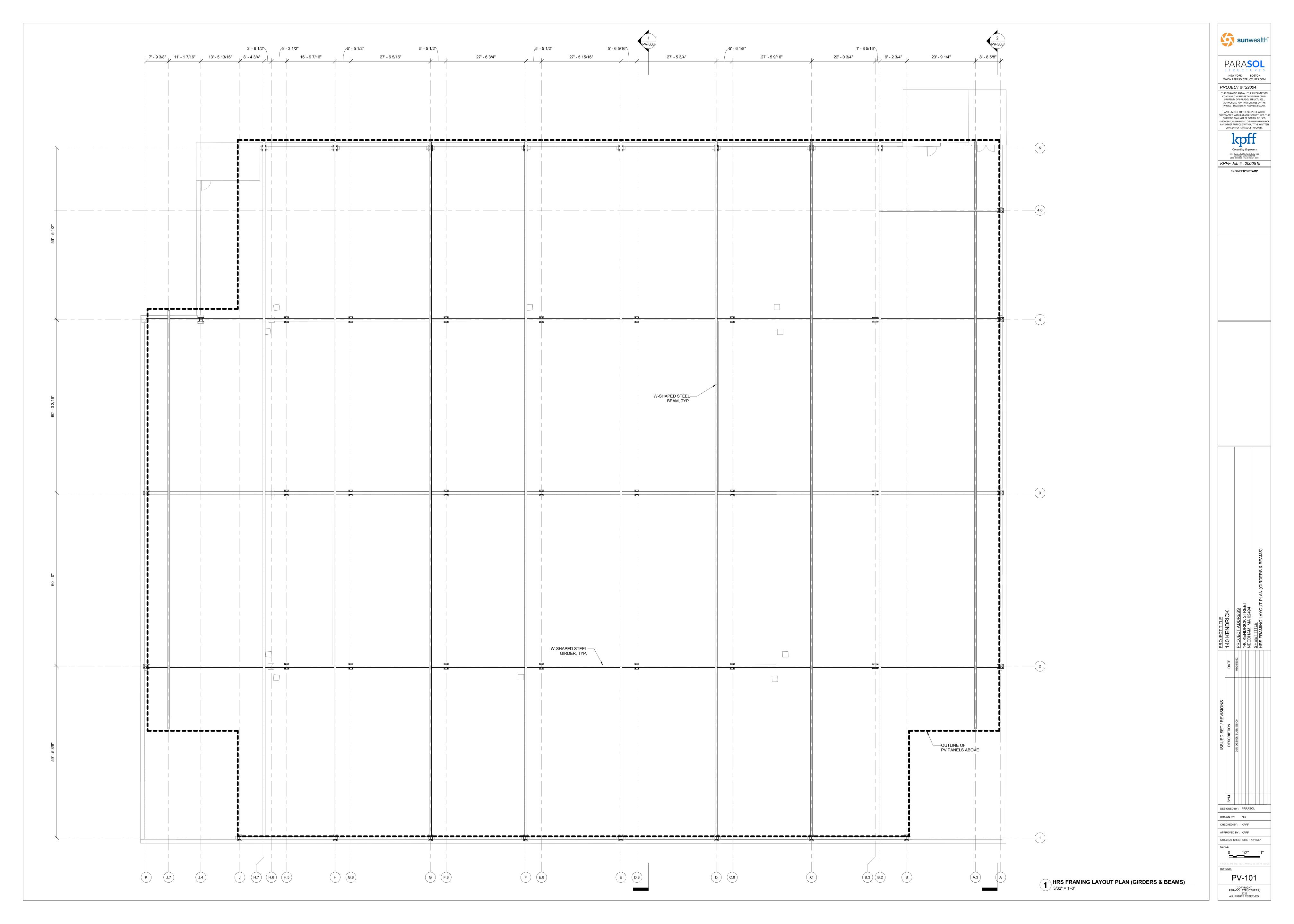
KPFF Job # : 2000519

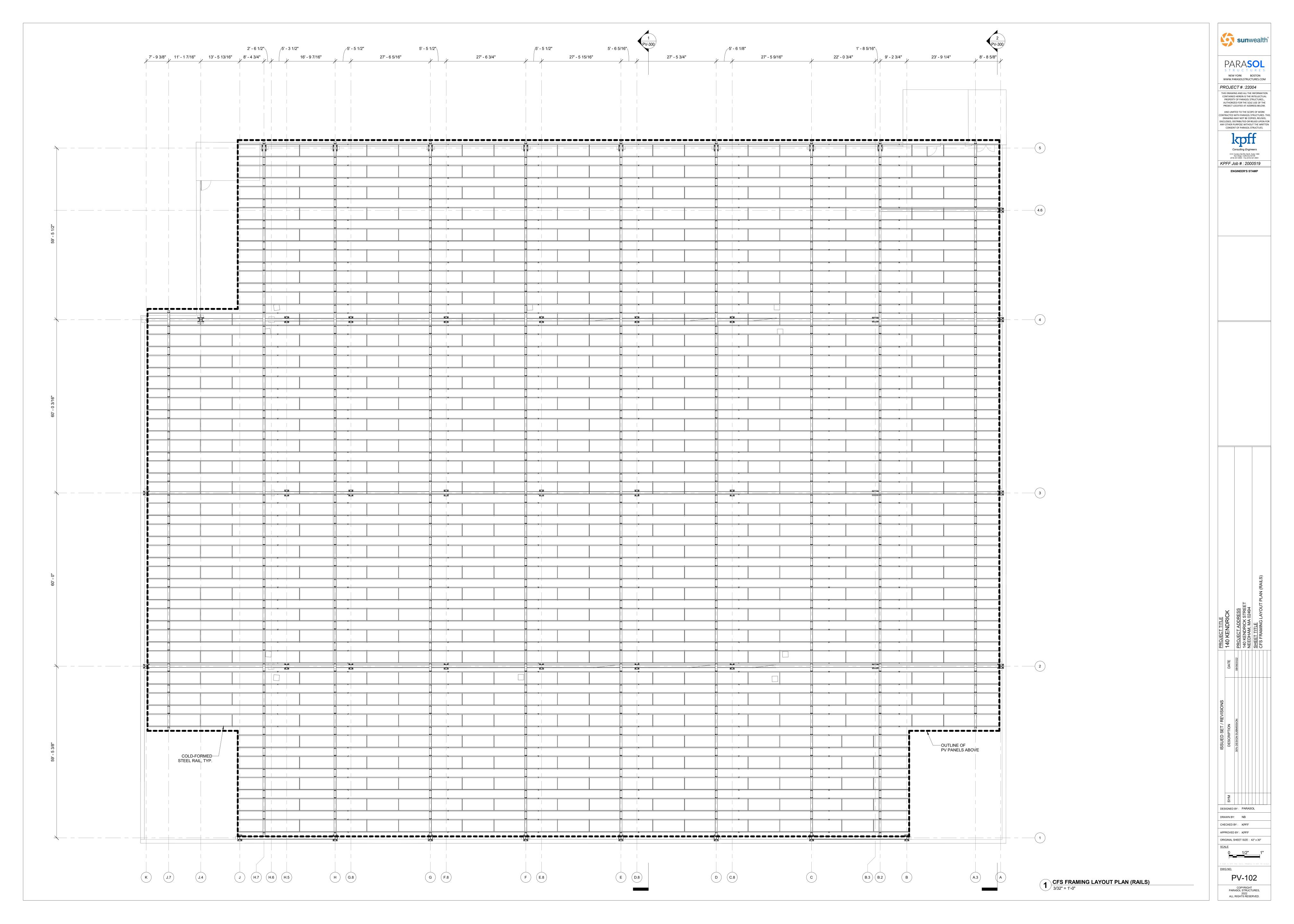
PROJECT # : 22004 THIS DRAWING AND ALL THE INFORMATION

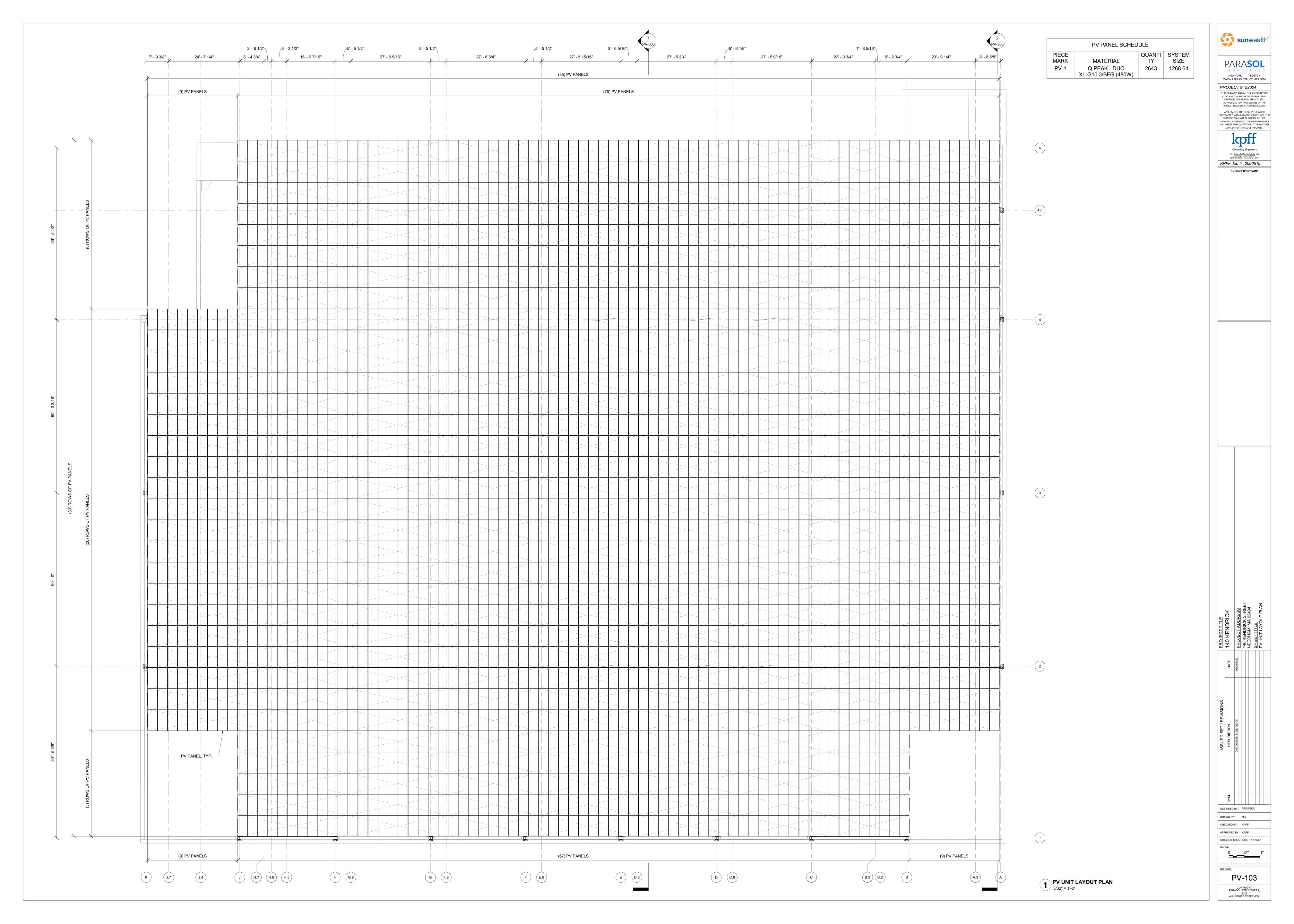
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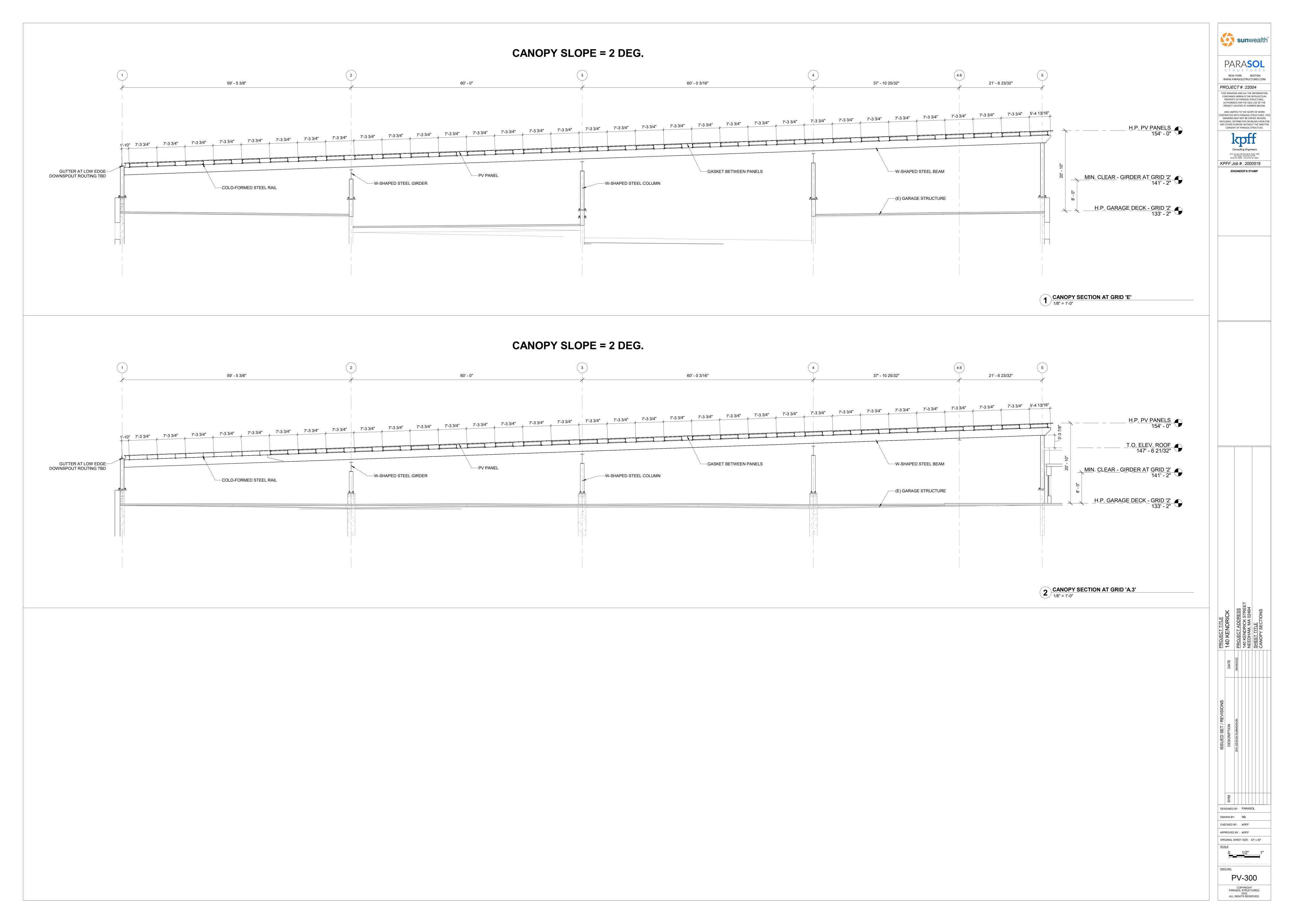












From: Rick DeAngelis

To: <u>Alexandra Clee</u>; <u>Lee Newman</u>; <u>Elisa Litchman</u>; <u>David Roche</u>

Cc: nskoly@vhb.com; Marcel Rodgers; Ellesse Lunde; Christopher Hiserman; Madeleine Timin; Roxane Argueta

Subject: 140 Kendrick Street- Solar Roof Drainage
Date: Monday, September 26, 2022 8:55:48 AM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png image005.png C2.0 DRAIN.pdf

All

Attached is a plan prepared by VHB detailing the new HDPE drainage pipe and downspout connections which will replace the existing concrete drainage pipe .

This replacement pipe will have the roof tied into it and the pipe will collect the same volume of water as previously collected from the top deck/ story of the garage which in the past fell to the pavement and went into ground level drains.

The new pipe and system will collect the water from the solar canopy and avoid water falling onto the garage surface. This in turn will prevent grit/sand/oils from entering the drainage system by avoiding contact with that surface.

This plan is submitted in response to David Roche's questions as to how we are handling storm water drainage from the new roof.

Please add this plan to both our Design Review Board submission and to our Planning Board submission.

Please do not hesitate to call or email with any questions you may have.

Rick DeAngelis

627-512-0319

Nicholas Skoly, P.E.

Project Manager

Land Development

of Necessary to

TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Public Service Administration Building 500 Dedham Avenue Needham, MA 02492 Application and Report

Property Location:	100 Cabot Street		Date:	9/12/22
Owner: WCP?	Needham Cabot c/o Sheraton	Hotel & Step Ston	e Hospitality	
ddress: 100 C	abot Street, Needham, MA 02	2494		
Street elephone:	978-790-8156	City	State	Zip
pplicant:S	tratus c/o Signs by J, Inc.			
ddress:	00 Tenean Street, Dorchester	, MA 02122		
Street	17-825-9855	City	State	Zip
esigner/Installer: _	Signs by J, Inc. 100 Tenean Street, Dorche	octor MA 02122		
ddress: Street	Too Tenean Street, Dorene	City	State	Zip
elephone:	617-825-9855	City	Sidio	2.p
	Type of Application Sign Minor Project Exterior Alterations Major Project (Site Pl preliminary final Flexible Subdivision Planned Residential D Residential Compound	Pevelopment		
rief description of sign	n or project: LEOLNOVINU	Jest Elev.) + ED	2 /Sour

Sign type EDI (Northwest Elev.) + ED2 (Southwest Elev.) replace existing facelit channel lettes with reverse channel aluminum halo lit.

Please email completed application to elitchman@needhamma.gov
EXISTING SIZE IS OPPIOX 153.35QPLProposed SIZE IS 133.7 SQ PLRevised 2/2020

NORTHWEST ELEVATION

Scale: ±1/16"=1'-0"

HL-D | 48"

EXISTING SIGN SF: ±153.3 PROPOSED SIGN SF: 133.7





EXISTING CONDITIONS



EXISTING ±5'-0" x ±30'-8" SIGNAGE TO BE REMOVED & REPLACED WALL TO BE REPAIRED AS REQUIRED



±120'-0" ELEVATION WIDTH

c/l ±6'-6" SIGN BAND

Stratus[™]

SHERATON

ADDRESS: Sheraton 100 Cabot Street Needham, MA 02494 PAGE NO.: 2

SITE NUMBER: PROJECT MANAGER: JAMES PEAKE / TIM FENSKE ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\ Needham_R2.cdr

PROJECT NUMBER:

85894

ORDER NUMBER:

1176033

7	Rev#	Req#	Date/Artist	Description	Rev#	Req#	Date/Artist	Description
	Original	382225	05/12/22 SC					
	Rev 1	393300	08/03/22 SC					
П	Rev 2	398160	09/02/22 AS					
E								
· E								
П								

SOUTHWEST ELEVATION

Scale: ±1/32"=1'-0"

±6'-0" SIGN BAND HL-D | 48"

EXISTING SIGN SF: PROPOSED SIGN SF:

±153.3





EXISTING CONDITIONS



EXISTING ±5"-0" x ±30"-8" SIGNAGE TO BE REMOVED & REPLACED WALL TO BE REPAIRED AS REQUIRED



Stratus

stratusunlimited.com 8959 Tyler Boulevard Mentor, Ohio 44060 888 503 1569 SHERATON

ADDRESS: Sher

Sheraton 100 Cabot Street Needham, MA 02494 ORDER NUMBER: 1176033 SITE NUMBER:

PAGE NO.: 989936

3

ELECTRONIC FILE NAME:
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Needham_R2.cdr

PROJECT NUMBER:

PROJECT MANAGER:

JAMES PEAKE / TIM F

85894

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	Rev#			Description	Rev#	Req#	Date/Artist	Description
	Original	382225	05/12/22 SC					
	Rev 1	393300	08/03/22 SC					
	Rev 2	398160	09/02/22 AS					
FENSKE								
			1					
am\								

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

133.7 square feet







Reverse Lit Channel Letter Specification:

Construction: 3" deep, .080" aluminum channel letter

with 3/16" clear polycarbonate backs

Face Material: .125" aluminum

Painted Pantone® 8405 C, Warm Tungsten Returns: Illumination: GE 7100K White LED's (as required) Exterior finish: Pantone® 8405 C, Warm Tungsten

Interior Finish: Painted reflective white

INSTALL:

Letters to stand-off building 1-1/2" using min. 3/8" all thread studs with

wood blocking as required: Stand off brackets to

be provided and painted to match bkgd

QUANTITY:

(2) TWO LETTERSETS REQUIRED FOR NORTHWEST & SOUTHWEST ELEVATIONS

color key:

ORDER NUMBER:

1176033

Pantone® 8405 C - Warm Tugsten



PROJECT NUMBER:

85894

Daytime Appearance



Nighttime Appearance

Stratus

SHERATON

ADDRESS:

Sheraton 100 Cabot Street Needham, MA 02494 PAGE NO.: 4

SITE NUMBER: PROJECT MANAGER: JAMES PEAKE / TIM FEN 989936 ELECTRONIC FILE NAME:

G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\ Needham R2.cdr

				Description	Rev#	Req#	Date/Artist	Description
	Original	382225	05/12/22 SC					
	Rev 1	393300	08/03/22 SC	Added "spacer" to dim call out / Added stand off brackets				
	Rev 2	398160	09/02/22 AS					
NSKE	-				-			



TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Public Service Administration Building 500 Dedham Avenue Needham, MA 02492 Application and Report

perty Location: 100 Cabot Street		_Date:	9/12/22
er: WCP Needham Cabot c/o Sheraton	Hotel & Step Ston	e Hospitality	
ress: 100 Cabot Street, Needham, MA 02	2494		
Street 978-790-8156	City	State	Zip
Stratus c/o Signs by J, Inc.			
ess: 100 Tenean Street, Dorchester	, MA 02122		
Street 617-825-9855	City	State	Zip
gner/Installer:Signs by J, Inc.			·
ess: 100 Tenean Street, Dorche	ester, MA 02122		
Street 617-825-9855	City	State	Zip
Type of Application Sign Minor Project Exterior Alterations Major Project (Site Pl. - preliminary - final Flexible Subdivision Planned Residential D Residential Compound	evelopment		
description of sign or project: SIGN TUDE 13 PEMO ALL AND INSTALL OF	ne halo	ting lo	go, ra
D logo. Logo Dror	oused t	0 be s	same
se email completed application to elitchman	needhamma.gov	1 diam	eter.
4 SQFE.)	O		Revised

EAST ELEVATION Scale: ±1/16"=1'-0"

±10'-6" SIGN BAND

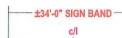
CR-D | 96"

EXISTING SIGN SF: ±64 PROPOSED SIGN SF: 64





EXISTING CONDITIONS







EXISTING ±8'-0" x ±8'-0" SIGNAGE TO BE REMOVED & REPLACED WALL TO BE REPAIRED AS REQUIRED

Stratus[™]

SHERATON

Sheraton 100 Cabot Street Needham, MA 02494

PAGE NO. 5

1176033 SITE NUMBER:

ORDER NUMBER:

PROJECT MANAGER: JAMES PEAKE / TIM FE

PROJECT NUMBER:

85894

ELECTRONIC FILE NAME: G:\ACCOUNTS\MMARRIOTT\SHERATON\2022\MA\Needham Needham_R2.cdr

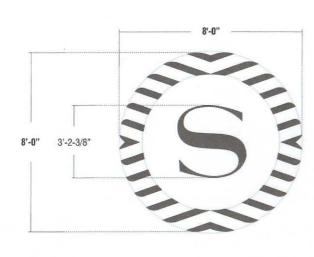
	Rev#	Req#	Date/Artist	Description	Rev#	Req#	Date/Artist	Description
	Original	382225	05/12/22 SC					
	Rev 1	393300	08/03/22 SC					
	Rev 2	398160	09/02/22 AS					
ENSKE								
ım\							l,	

CR-D | 96"

64 square feet









Reverse Lit Channel Letter Specification:

Construction: .080" aluminum channel letter

with 3/16" clear polycarbonate backs

Face Material: .125" aluminum

Returns: Painted Pantone® 8405 C, Warm Tungsten

Illumination: GE 7100K White LED's (as required)

Exterior finish: Pantone® 8405 C, Warm Tungsten

Interior Finish: Painted reflective white

Crest Details: 2" deep wireway painted to match building color

Crest Details. 2 deep wheway painted to match building cold

INSTALL: Letters to stand-off building 3" using min. 3/8" all thread studs with

wood blocking as required; Stand off brackets to be provided and painted to match bkgd

QUANTITY: (1) ONE LETTERSET REQUIRED

FOR EAST ELEVATION

color key:

Pantone® 8405 C - Warm Tugsten

STAND OFF BRACKET COLOR Paint to match building TBD





Daytime Appearance

Nighttime Appearance





TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Public Service Administration Building 500 Dedham Avenue Needham, MA 02492 **Application and Report**

Property Location:	00 Cabot Street		Date:	9/12/22
Owner: WCP Needha	m Cabot c/o Sheraton Ho	otel & Step Stone	e Hospitality	
Address: 100 Cabot St	reet, Needham, MA 0249	04	'	
Street 978-7	90-8156	City	State	Zip
pplicant:Stratus	c/o Signs by J, Inc.			
ddress: 100 Ten	ean Street, Dorchester, N	IA 02122		
Street 617-825	-9855	City	State	Zip
100	s by J, Inc. Tenean Street, Dorcheste	er, MA 02122		
ddress: Street		City	State	Zip
elephone:617-	-825-9855			
	Type of Application Sign Minor Project Exterior Alterations Major Project (Site Plant) - preliminary - final Flexible Subdivision Planned Residential Deve Residential Compound	Review)		
rief description of sign or pro	EO4: Rl	cover	exist	ng
Sign With	new pu	Ish-th	in all	M
panels wit	n acrylic	lette	B. S	an 18
lease email completed app	lication to elitchman@n		ument	00
10 126 010	VINU TUCK	111011	MWIII	W
arichna				Revised 2/20



REPLACEMENT FACE

of Neva

TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Property Location:	100 Cabot Street		Date:	9/12/22
Owner: WCI	P Needham Cabot c/o Sheraton	Hotel & Step Sto	one Hospitality	
Auuress.	Cabot Street, Needham, MA 0	900 900 V		
Street Telephone:	978-790-8156	City	State	Zip
Applicant:	Stratus c/o Signs by J, Inc.			
Address:	100 Tenean Street, Dorcheste	r, MA 02122		
Street Telephone:	617-825-9855	City	State	Zip
Designer/Installer:				
Address:Street	100 Tenean Street, Dorch	City	State	Zip
Telephone:	617-825-9855	Cuy	Situe	Σιρ
	Type of Application Sign Minor Project Exterior Alterations Major Project (Site P - preliminary - final Flexible Subdivision Planned Residential I Residential Compoun	Development		
Brief description of st	Spor project: ED5-	Recover	r exist	ing non-
Plaga amail com	afed Pain	+ PXII	sting	posts +
Frame,	2'10'(2 X 5	5/10/2	face s	re.

16.9 square feet



EXISTING CONDITIONS



EXISTING FACES TO BE REMOVED AND REPLACED AS REQUIRED.

PROPOSED SIGNAGE

Scaled Proportionally



FACES:

.090 aluminum faces; painted as shown

GRAPHICS: Surface applied vinyls to match colors shown

POSTS:

Paint existing posts and framing to match colors show

INSTALL:

Secure faces to existing framing with c/s screws

painted to match as required.

QUANTITY: (1) ONE replacement face

for post & panel sign required

color key:

Pantone® Warm Gray 1 C - Oyster

Pantone® 419 C - Graphite

Pantone® Cool Gray 10 C - French Gray



SHERATON

ADDRESS: Sheraton 100 Cabot Street Needham, MA 02494

1176033 85894 SITE NUMBER: PROJECT MANAGER: 989936 JAMES PEAKE / TIM FEN PAGE NO. ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\

PROJECT NUMBER

ORDER NUMBER:

	Rev#	Req#	Date/Artist	Description	Rev#	Req#	Date/Artist Description
	Original	382225	05/12/22 SC				
-	Rev 1	393300	08/03/22 SC	Added "Boston" copy			
	Rev 2	398160	09/02/22 AS	Revised dimensions			
ISKE							
TOTAL							

of Negative

TOWN OF NEEDHAM

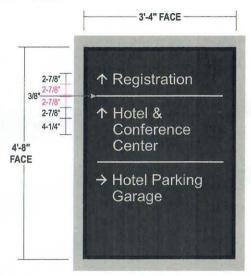
DESIGN REVIEW BOARD

Property Location:	100 Cabot Street		_Date:	9/12/22
Owner: WCI	P Needham Cabot c/o Sheraton	Hotel & Step Stor	ne Hospitality	
Audress.	Cabot Street, Needham, MA 02			
Street Telephone:	978-790-8156	City	State	Zip
Applicant:	Stratus c/o Signs by J, Inc.	*		
Address:	100 Tenean Street, Dorchester,	, MA 02122		
Street Telephone:	617-825-9855	City	State	Zip
Designer/Installer:	Signs by J, Inc. 100 Tenean Street, Dorches	ster MA 02122		
Address:Street	100 Tenean Street, Dorone.	City	State	Zip
Telephone:	617-825-9855			
,*	Type of Application Sign Minor Project Exterior Alterations Major Project (Site Pla - preliminary - final Flexible Subdivision Planned Residential De Residential Compound	evelopment		
Brief description of s	pe FOG: The	cee sic	ted pos	+ pane
new t	ext as he	eded.	Paint	existin
Please email comp	leted application to elitchmana + POSIS.	needhamma.gov HUG C	ach: 4	1811 high
X 3/411	direction	al SI	ans.	Revised 2/2020

Scale: 3/4"=1'-0"

15.6 square feet







← Exit to 2nd Ave → Hotel & Conference Center



SIDE A

SIDE B

SIDE C

PROPOSED SIGNAGE







Existing cabinet to remain; painted as shown

1-1/2" thick foam with beveled edges painted to match colors shown FACES:

GRAPHICS: Surface applied vinyls to match colors shown

POSTS: Paint existing posts and framing to match colors show

INSTALL: Faces screw mounted from behind sign

QUANTITY: (3) THREE replacement faces for directional required

color kev:

CABINET:

Pantone® Warm Gray 1 C - Oyster

Pantone® 419 C - Graphite

Stratus

SHERATON

Sheraton 9

100 Cabot Street Needham, MA 02494 ORDER NUMBER: 1176033

SITE NUMBER: 989936

PROJECT NUMBER: 85894 PROJECT MANAGER: JAMES PEAKE / TIM FENSKI

ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\ Needham R2.cdr

	Rev#	Req#	Date/Artist	Description	Rev#	Req#	Date/Artist Description
	Original	382225	05/12/22 SC				
	Rev 1	393300	08/03/22 SC	Added paint specs to match other signs on site			
	Rev 2	398160	09/02/22 AS	Revised dimensions, face material, and install			
Œ							

of Aren

TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Property Loc	cation:	100 Cabot Str	eet		Date:	9/12/22
Owner: _	WCP Need	ham Cabot c/o	Sheraton Hot	el & Step Stor	ne Hospitality	
Address: _	100 Cabot	Street, Needhar	n, MA 02494			
St Telephone: _	treet 978	-790-8156		City	State	Zip
Applicant: _	Stratu	s c/o Signs by J	, Inc.			
Address:	100 T	enean Street, D	orchester, Ma	A 02122		
TOOLS TO CONTRACT ON CONTRACT OF CONTRACT ON CONTRACT	treet 617 - 8	25-9855		City	State	Zip
Designer/Ins	statier:	gns by J, Inc.				
Address: _		0 Tenean Stree	t, Dorchester	100-100		
Telephone:_	treet 61	7-825-9855 Type of Appl Sign Minor Pro Exterior A	ject	City	State	Zip
		Major Pro - prelimina - final - Flexible Su - Planned Ro	ject (Site Plan Re			
Brief descripti	ion of sign or p	project:	- Be	cover	PXIST	109
Face	SWI	th n	ew.	Doub	ole fau	ld
Dost	+ DC	inel	S10n.	Pair	H ex	sting
Please email	l completed a	pplication to eli	itchman@nee	edhamma.gov	010	n. J
DOSIS	tt	rame.	MM	echor	M 210	()

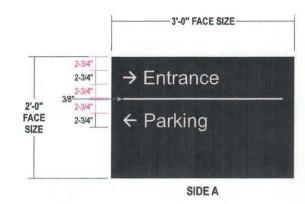
6 square feet



EXISTING CONDITIONS

SIDE B

Scaled Proportionally



→ Parking

SIDE B

EXISTING FACES TO BE REMO AND REPLACED AS REQUIR

FACES:

.090 aluminum faces; painted as shown

Surface applied digitally printed vinyls w/ UV overlaminate to match colors shown **GRAPHICS:**

POSTS:

Paint existing posts and framing to match colors show

FONT:

Arial

INSTALL:

Secure faces to existing framing with c/s screws painted to match as required.

QUANTITY:

(2) TWO replacement faces for post & panel sign required

color key:

Pantone® Warm Gray 1 C - Oyster

Pantone® 419 C - Graphite

Pantone® Cool Gray 10 C - French Gray

PROPOSED SIGNAGE

SIDE A





Stratus[™]

SHERATON

Sheraton 100 Cabot Street Needham, MA 02494 10

ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\

PROJECT NUMBER:

PROJECT MANAGER:

JAMES PEAKE / TIM FENS

85894

ORDER NUMBER:

1176033

989936

SITE NUMBER:

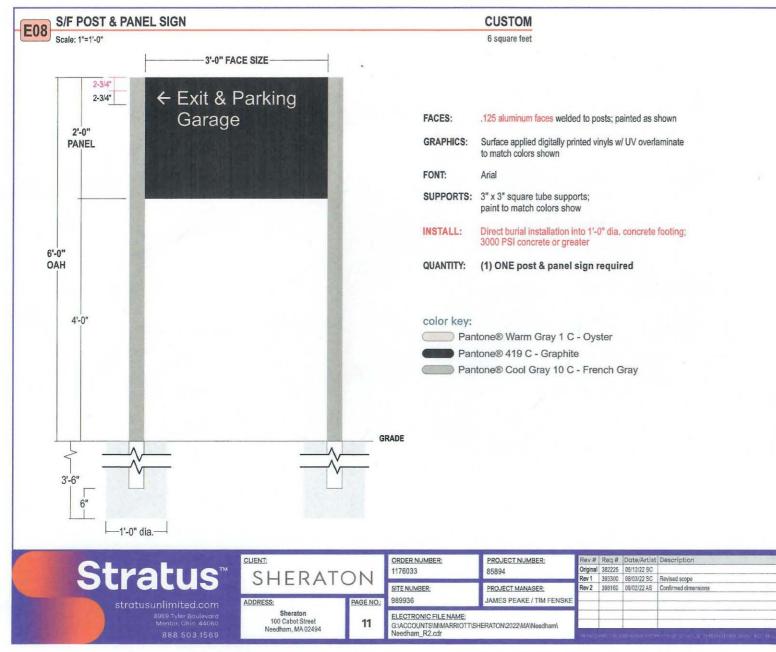
				Description	Rev#	Req#	Date/Artist	Description
- 1	Original		05/12/22 SC					
	Rev 1	393300	08/03/22 SC					
	Rev 2	398160	09/02/22 AS	Confirmed dimensions				
Œ								
-								



TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Property 1	Location:	100 Cabot Street		_Date:	9/12/22
Owner:	WCI	Needham Cabot c/o Sherat	ton Hotel & Step Stone	Hospitality	
Address:	100	Cabot Street, Needham, MA	A 02494		
Telephone	Street:	978-790-8156	City	State	Zip
•			×		
Applicant	·	Stratus c/o Signs by J, Inc.			
Address:		100 Tenean Street, Dorches			
Telephone	Street:	617-825-9855	City	State	Zip
Designer/	Installer:	Signs by J, Inc.			
Address:		100 Tenean Street, Dor	chester, MA 02122		
Telephone	Street	617-825-9855	City	State	Zip
	z i	Type of Application Sign Minor Project Exterior Alteration Major Project (Site) - preliminary - final Flexible Subdivision Planned Residentia Residential Compo	ns e Plan Review) on al Development		
Brief descr	iption of si	ign or project:	Replace	existin	g alu
pune	1	Square To	DOE DUST	win	one
New	2	'nigh x 3' u	uide, do	upu	72.0C
		leted application to elitchmo		Athor	s on
	hel		match		
VODE	My.	, direction	nal Sla	in. Sin	Revised 2/2





EXISTING CONDITIONS



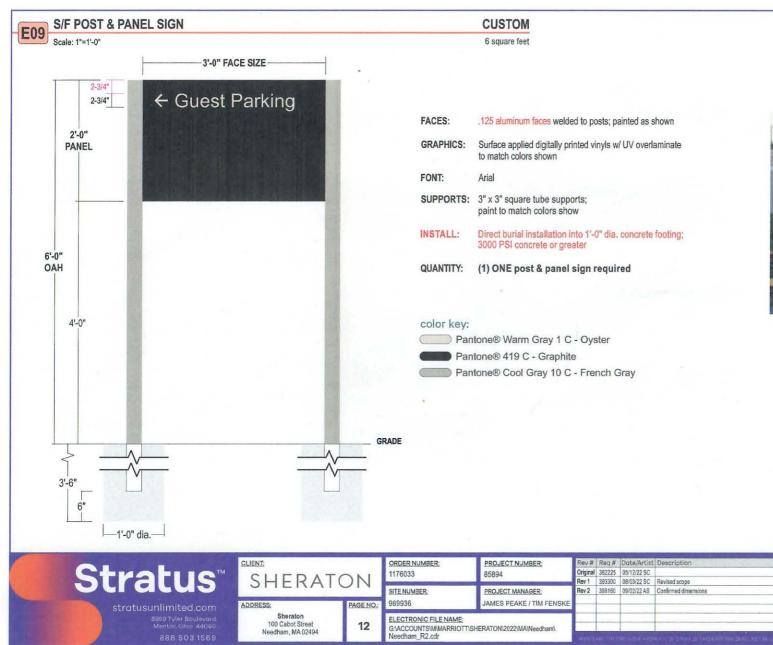
Rev# Reg# Date/Artist Description



TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Property Le	ocation:	100 Cabot Street		_Date:	9/12/22
Owner:	WCP N	Needham Cabot c/o Sherato	n Hotel & Step Stor	ne Hospitality	
Address:	100 Ca	abot Street, Needham, MA	02494		
Telephone:	Street	978-790-8156	City	State	Zip
Applicant:	Sı	tratus c/o Signs by J, Inc.			
Address:	1	00 Tenean Street, Dorcheste	er, MA 02122		
DOWN HOLDEN SERVICE CO.	Street 6	17-825-9855	City	State	Zip
retephone.					
Designer/I	nstaller: _	Signs by J, Inc.			
Address:		100 Tenean Street, Dorch	nester, MA 02122		
	Street		City	State	Zip
Telephone:		617-825-9855			
		Type of Application Sign Minor Project Exterior Alterations Major Project (Site) - preliminary - final Flexible Subdivision Planned Residential Residential Compou	Plan Review) Development		
Brief descrip	ption of sign	or project: 09 R	eplau e um ban	x isting	2 high U-channel
DOS	5 1	with one	new o	douba	post +
Please ema	Complete S	ed application to elitchman	naneeanamma.gov	others	00
Drop	RIAU	. SINGL S	sided d	weato	Newsed 2/2020/1





EXISTING CONDITIONS



Rev # Reg # Date/Artist Description

of Neco

TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Public Service Administration Building
500 Dedham Avenue
Needham, MA 02492
Application and Report

Property Location: 100 Cabot Street __Date: 9/12/22

Owner: WCP Needham Cabot c/o Sheraton Hotel & Step Stone Hospitality

100 Cabot Street, Needham, MA 02494

Address: 100 Cabot Street, Neednam, MA 02494

Street 978-790-8156

City State Zip

Applicant: Stratus c/o Signs by J, Inc.

100 Tenean Street, Dorchester, MA 02122

Address: Street 617-825-9855 City State Zip

Designer/Installer: Signs by J, Inc.

100 Tenean Street, Dorchester, MA 02122

Address:
Street City State Zip

Telephone:______617-825-9855

Typ	pe of Application
X	Sign
	Minor Project
	Exterior Alterations
	Major Project (Site Plan Review) - preliminary - final
	Flexible Subdivision
	Planned Residential Development
	Residential Compound

Brief description of sign or project:	- Ropiaa	existina	31x31
fiat aluminun	o panel at	- garage	entrance
Wifn now. So	am Size	+ 1000	tion.
Please email completed application to	elitchman(a)needhamma.g	ov	

PANEL REPLACEMENT Scale: 1"=1'-0" 3'-0" PANEL SIZE EQ 10-1/8" SHERATON 2-1/2" 3'-0" PANEL Parking Garage 2-1/2" SIZE 2-1/4"

Guest Parking

Only

CUSTOM

9 square feet



EXISTING CONDITIONS



EXISTING PANEL TO BE REMOVED AND REPLACED AS REQUIRED.

FACES:

.125 flat aluminum panel; painted as shown

GRAPHICS:

Surface applied digitally printed vinyls w/ UV overlaminate to match colors shown

POSTS:

Paint existing post to match colors shown

FONT:

1/4"

Arial

PANEL COPY: TBV

INSTALL:

Secure faces to wall with studs backed with silicone as required

QUANTITY:

(1) ONE replacement face for post & panel sign required

color key:

Pantone® Warm Gray 1 C - Oyster

Pantone® 419 C - Graphite

Stratus

2-1/4"

2-1/2"

3-7/8"

EQ

ADDRESS: 8959 Tyler Bouleyard Mentor, Ohio 44060

SHERATON

Sheraton

100 Cabot Street

Needham, MA 02494

PAGE NO. 13

989936

ORDER NUMBER: 1176033 SITE NUMBER:

85894 PROJECT MANAGER: JAMES PEAKE / TIM FENSKE

PROJECT NUMBER:

ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\ Needham_R2.cdr

Rev # Req # Date/Artist Description Rev# Reg# Date/Artist Description Original 382225 05/12/22 SC Rev 1 393300 08/03/22 SC Revised sizing

of Negotia

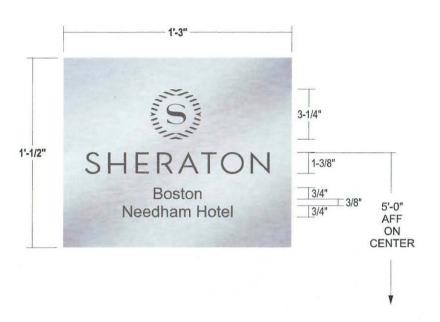
TOWN OF NEEDHAM

DESIGN REVIEW BOARD

Property Location:	100 Cabot Street		Date:	9/12/22
Owner: WCP Nee	edham Cabot c/o Sherato	n Hotel & Step Stone	Hospitality	
Address: 100 Cabo	ot Street, Needham, MA	02494		
Street 97	78-790-8156	City	State	Zip
Applicant:Strat	tus c/o Signs by J, Inc.			
Address: 100	Tenean Street, Dorchest	er, MA 02122		
Streat	825-9855	City	State	Zip
Designer/Installer:	Signs by J, Inc.	hester, MA 02122		
Address: Street		City	State	Zip
Telephone:	617-825-9855			
	Type of Application Sign Minor Project Exterior Alterations Major Project (Site - preliminary - final Flexible Subdivision Planned Residential Residential Compou	Plan Review) Development		
Brief description of sign of 13 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:project: F 1 -	TWO ne	W PVI	posed
etched of	apres to	be mo	unted	On
Please email completed	application to elitchman	n@needhamma.gov LMTDN	U.	,

3.3 square feet





EXISTING CONDITIONS



COLUMNS ARE 1'-3-1/2" WIDE

Entrance Specifications:

Construction: 1/4" stainless steel

Decoration: Logo and copy to be etched 1/32" deep and filled with paint to match Pantone® 8405

C Metallic Coated, Warm Tungsten

WALL MATL: EFIS Columns

INSTALL: Panel to be flush mounted with studs and silicone

QUANTITY: (2) TWO NEW PANELS REQUIRED FOR ENTRANCE

color key:

Stainless Steel

Pantone® 419 C - Graphite

Stratus[™]

SHERATON

Sheraton 100 Cabot Street Needham, MA 02494 ORDER NUMBER: PROJECT NUMBER: 1176033 85894 SITE NUMBER: PROJECT MANAGER: 989936 JAMES PEAKE / TIM FENS ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\ Needham_R2.cdr

	Rev#	Req#	Date/Artist	Description	Rev#	Req#	Date/Artist	Description
	Original	382225	05/12/22 SC					
	Rev 1	393300	08/03/22 SC	Added to scope				
	Rev 2	398160	09/02/22 AS	Revised dimensions				
SKE					1			
OIL		1						



S/F POST & PANEL SIGN E08

HL-D / HALO LIT CHANNEL LETTERS E01

POST & PANEL REPLACEMENT FACE

HL-D / HALO LIT CHANNEL LETTERS E02



WALL PANEL REPLACEMENT FACE

DIRECTIONAL E06 REPLACEMENT FACES

ILLUMINATED MONUMENT REPLACEMENT FACES

CR-D / HALO LIT **CREST LOGO**

S/F POST & PANEL SIGN

ENTRANCE PLAQUE



Stratus

SHERATON

ADDRESS:

Sheraton 100 Cabot Street Needham, MA 02494 1176033

989936

ORDER NUMBER: PROJECT NUMBER: SITE NUMBER: PROJECT MANAGER:

ELECTRONIC FILE NAME: G:\ACCOUNTS\M\MARRIOTT\SHERATON\2022\MA\Needham\ Needham_R2.cdr

JAMES PEAKE / TIM FENSH

	Rev#	Req#	Date/Artist	Description	Rev#	Req#	Date/Artist Description
	Original	382225	05/12/22 SC				
-	Rev 1	393300	08/03/22 SC				
	Rev 2	398160	09/02/22 AS				
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1 464							