



Doosan Fuel Cell America, Inc.
101 East River Dr
East Hartford, CT 06108
T - 860 727 2200

April 8, 2020

PETITION NO. 1393- Doosan Fuel Cell America, Inc. petition for a declaratory, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 440- kilowatt customer-side combined heat and power fuel cell facility and associated equipment to be located at Cherry Street Lofts, 375 Howard Ave, Bridgeport, Connecticut 06605.

RESPONSE TO COUNCIL INTERROGATORIES

Dear Ms. Bachman,

We are submitting an electronic copy of response to the Council's interrogatory #11 dated February 27, 2020.

Respectfully Submitted,
Doosan Fuel Cell America, Inc.

Donald Emanuel
Installation Project Manager
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Doosan Fuel Cell America, Inc.



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Petition No. 1393

11. Considering the location of the fuel cell in relation to the residences and school, would any noise mitigation measures be required to comply with DEEP Noise Control Standards.

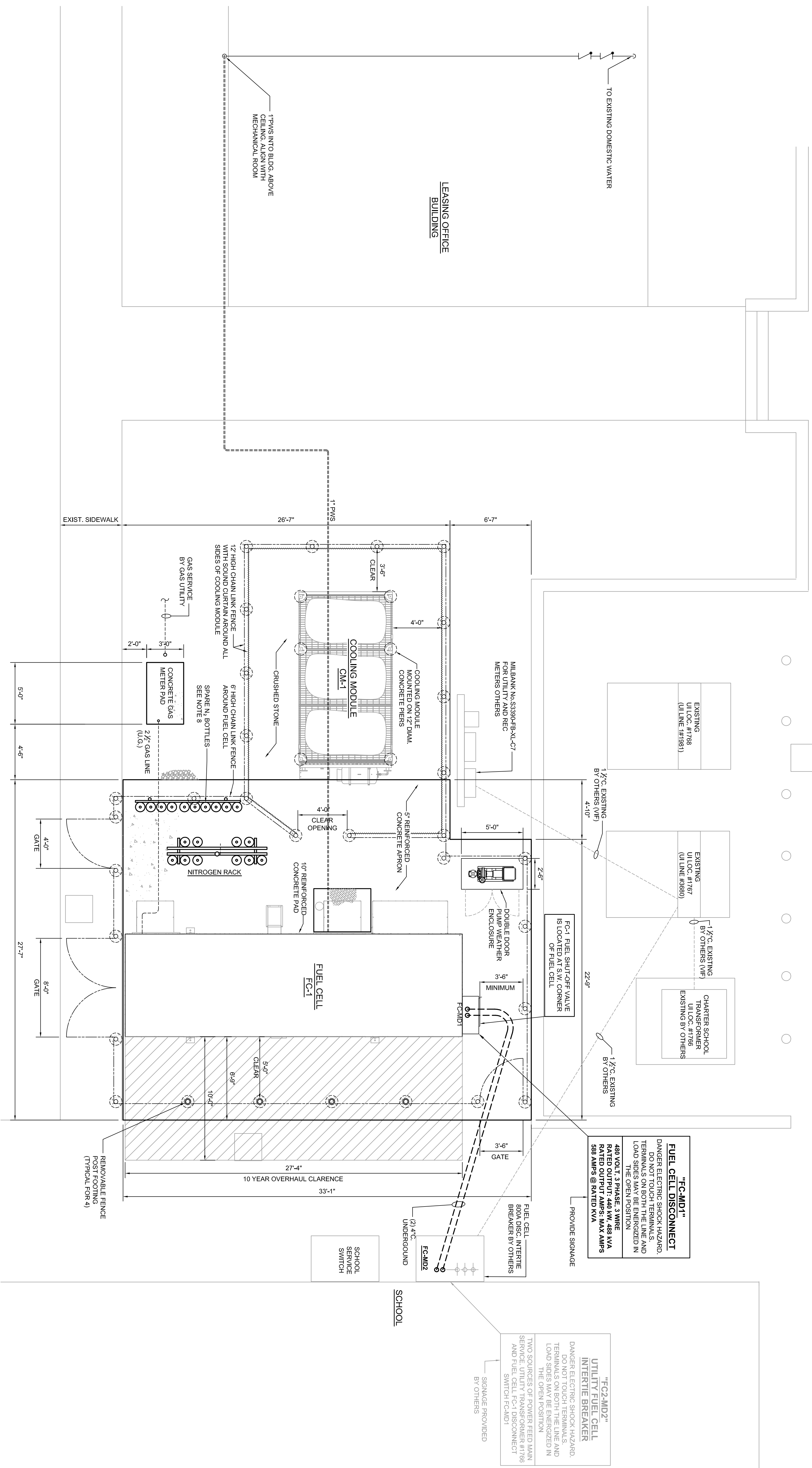
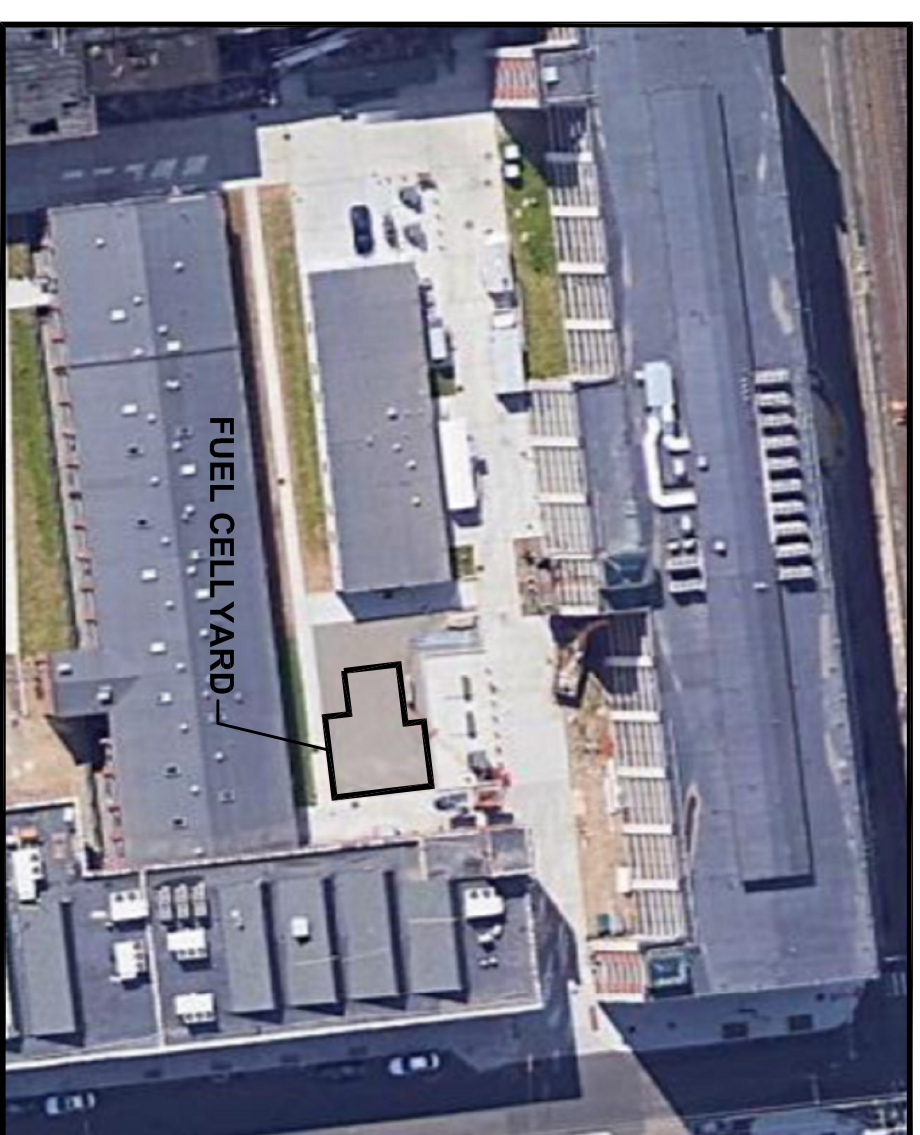
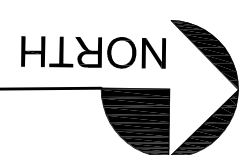
Response R11: With no sound mitigation the proposed fuel cell installation would comply with the city of Bridgeport's noise regulations. Recognizing the use of the properties surrounding the courtyard are more in-line with residential and commercial zoning uses an acoustical study was commissioned. The acoustical study determined background noise levels and potential noise mitigations to bring the fuel cell noise levels down to values required for residential areas. Details of the noise measurements and mitigation strategies are included in the acoustical study submitted to the siting council on March 17, 2020.

After consultation with the design engineer, property owner, and acoustical consultant Doosan plans to install a 12' high acoustical barrier consisting of 2" thick ABBC-EXT-R sound curtains, or the equivalent curtains. The proposed locations of these acoustical barriers are shown in the attached site plan (Attachment 24). As a result of these barriers the highest expected noise level at the residences adjoining the courtyard is 55 to 58 dBA. The average background airborne noise level in the courtyard was 56 dBA so the total noise level should stay below the 61 dBA limit (5 dBA increase) for an industrial source transmitting into a residential zone.

LIST OF ATTACHMENTS:

Attachment 24: Updated Site Plan with Additional Noise Mitigation

Attachment 24: Updated Site Plan with Additional Noise Mitigation



1 PARTIAL SITE PLAN
SCALE: 1/8" = 1'-0"

<p>SP1.0</p>	<p>Project No.: KFH</p>	<p>Drawn By: KFH</p>
	<p>Date: 04/08/20</p>	<p>Design By: KFH</p>
<p>Scale: AS NOTED</p>	<p>Check By: DSF</p>	<p>Drawing No.:</p>

CHERRY STREET LOFTS
375 HOWARD AVE, BRIDGEPORT, CT
FUEL CELL INSTALLATION

PARTIAL SITE PLAN

ICDS
Innovative Construction & Design Solutions, LLC

419A Whitfield Street
Guilford, CT 06437

Phone: (203) 453-8596
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Rev.	Date	Description
C	04/08/20	ISSUED FOR SITING COUNCIL

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