

Project Name:	Verizon Generator Radiators Replacement Temple Terrace Center		
Project Address:	7701 East Telecom Parkway Temple Terrace, FL 33673		
Project #:	20-1260003	Date:	12/01/2020
Subject:	RDELINES		

REDLINE CONSTRUCTION DOUCMENTS

Please see below for Macon Building Redlines for the above referenced project.

Plan Page #	Plan Page Name	Description
COVER	COVER	DRAWING INDEX & STATUS Drawing index is missing sheet ME-4 and Sheet Title for ME-4. "CLICK HERE TO VIEW REDLINE"
S.1	EQUIPMENT STRUCTURE /SUPPORTS - DEMOLITION /NEW	DETAIL B PARTIAL ROOF PLAN – EQUIPMENT SUPPORT NEW Directed per the Engineer of record that the center steel supports are not required. Due to the design of the new radiators. "CLICK HERE TO VIEW REDLINE"
ME.2	BUILDING 'G' - ROOF TOP EQUIPMENT - MECHANICAL /ELECTRICAL -DEMOLITION	DETAIL 3 SCHEDULE – MOTOR CONTROL CENTER Plan calls out connection points to be terminated in MCCC panel. The correct termination panel is MCC-B. "CLICK HERE TO VIEW REDLINE"
ME.3	New Radiator Details and electrical schematics	DETAIL 2 Generator Room Roof Top Identifying fan locations by number. "CLICK HERE TO VIEW REDLINE"
ME.3	New Radiator Details and electrical schematics	DETAIL B POWER NEW Detail calls out incorrect panel location. Correct panel location is MCC-B. "CLICK HERE TO VIEW REDLINE"
ME.3	New Radiator Details and electrical schematics	ONE LINE DIAGRAM Plans calls out connection point to be MCCC. Plans were incorrectly labeled. Correction on location was MCC-B Section -A and Section-B. "CLICK HERE TO VIEW REDLINE"
ME.4		DETAIL 1 ELEVATION Needed to replace drawing specifications per IEA manufacture to meet their specification and design build based on signed submitted drawings of radiator inlets and outlets. "CLICK HERE TO VIEW REDLINE"

Verizon

GENERATOR RADIATOR REPLACEMENTS AT THE

VERIZON TECH CENTER BUILDING 'G' 7701 EAST TELECOM PARKWAY TEMPLE TERRACE, FLORIDA

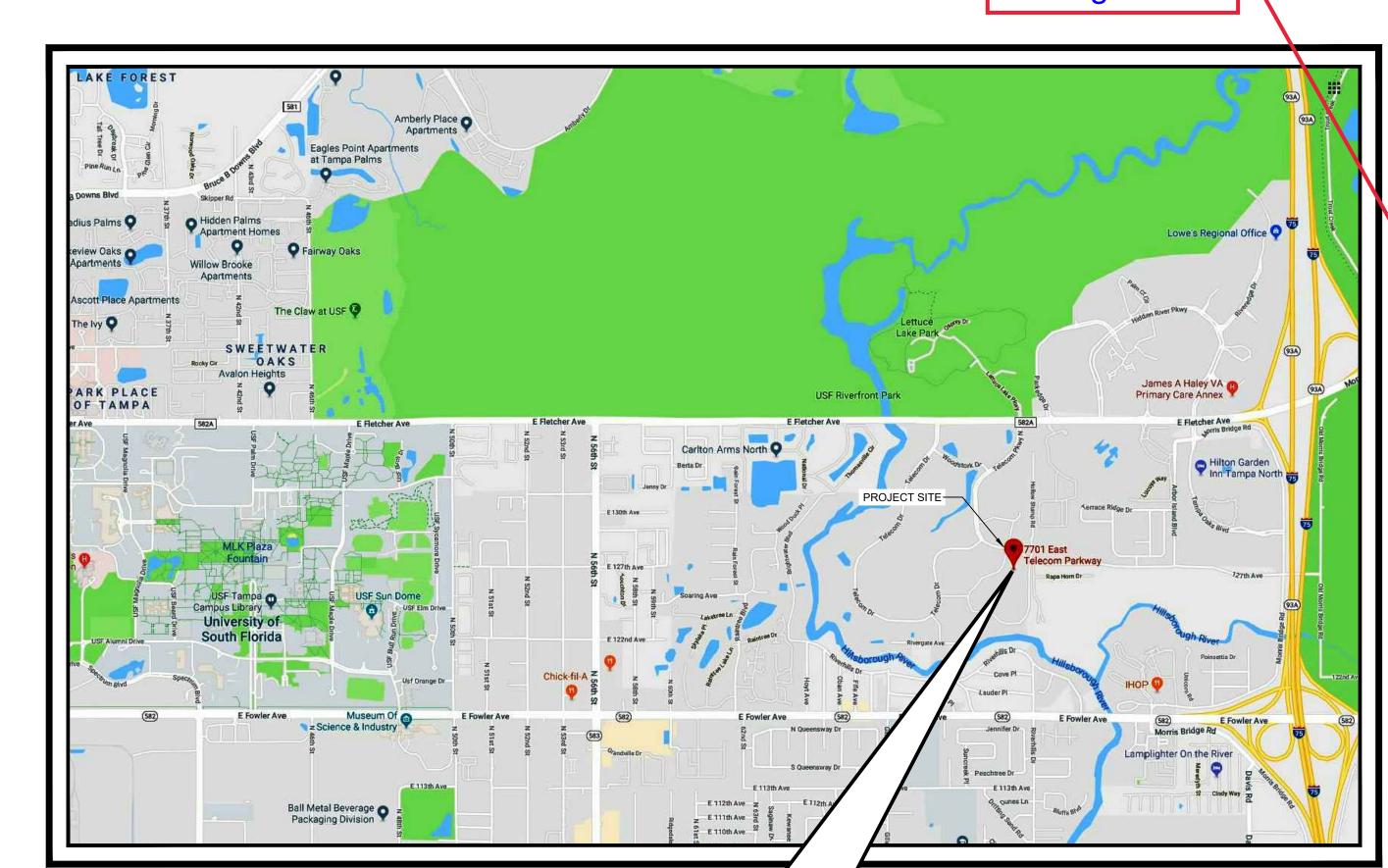
PROJECT GENERAL NOTES:

IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY EXISTING

GENERAL NOTES

- COORDINATE SECURITY MEASURES WITH DESIGN PROFESSIONAL BEFORE CONSTRUCTION STARTS.
- EACH CONTRACTOR AND SUB CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO PROTECT EXISTING FACILITIES. FACILITIES SHALL REMAIN IN OPERATION DURING CONSTRUCTION.
- VERIZON'S ACCESS TO EXISTING FACILITY SHALL CONTINUE DURING
- EACH CONTRACTOR AND SUB CONTRACTOR SHALL COORDINATE WITH AND MEET ALL LOCAL REQUIREMENTS FOR THE WORK IN THIS PROJECT. EACH CONTRACTOR
- AND SUB CONTRACTOR IS TO PAY ANY LOCAL FEES AS REQUIRED FOR THEIR FIELD. DURING PROJECT, EXISTING BUILDING ALARMS SHALL REMAIN OPERATIONAL.
- ANY CUTTING OR WELDING SHALL REQUIRE "BURN" PERMIT SUBMITTED BY THE CONTRACTOR THAT IS PERFORMING WORK PRIOR TO EVENT.
- EACH CONTRACTOR AND SUB CONTRACTOR SHALL PROVIDE DETAILED METHOD OF PROCEDURE (MOP) FOR EACH POTENTIALLY "SERVICE EFFECTING" EVENT TO DESIGN PROFESSIONAL OFFICE ALONG WITH PROPOSED EVENT DATE A MINIMUM OF
- POTENTIAL SERVICE IMPACTING EVENTS TO BE PERFORMED WITH IN VERIZON ALLOWED WINDOW (12:00 AM TO 6:00 AM) OF DAY SELECTED BY VERIZON

TWO (2) WEEKS PRIOR TO THE EVENT.



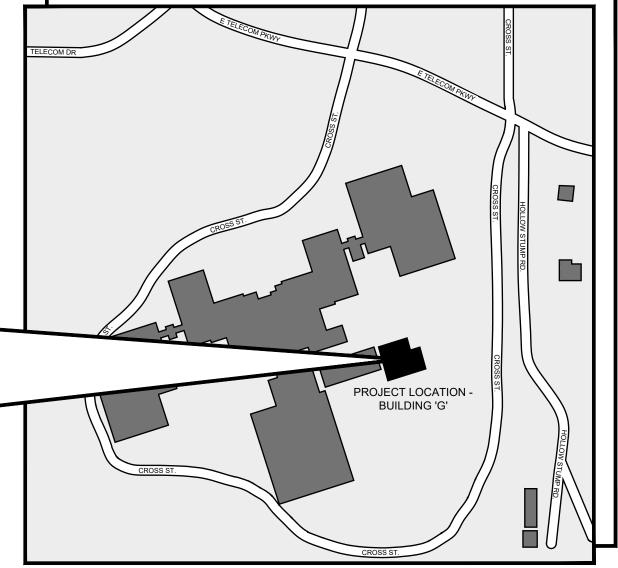
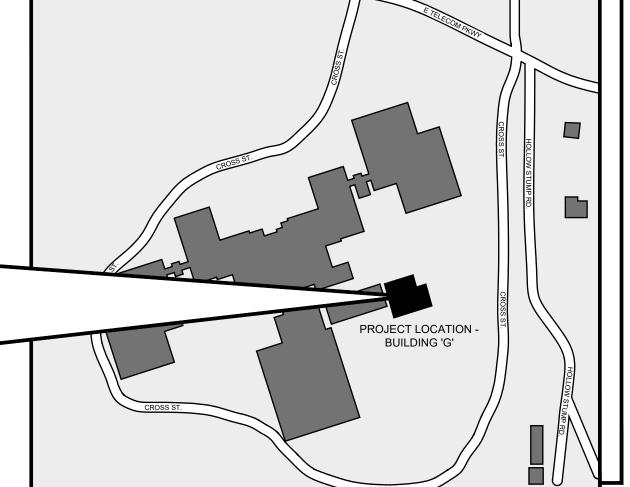
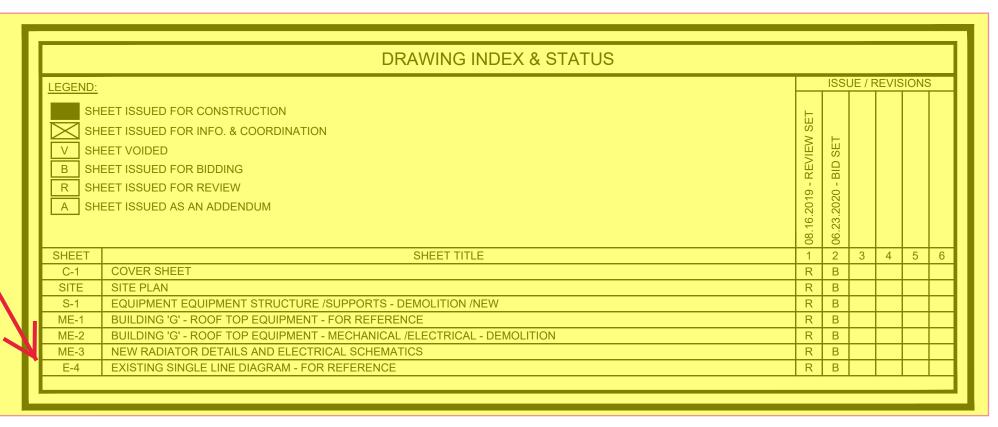


IMAGE - BUILDING 'G'



SITE MAP - BUILDING 'G'



- ELECTRIC GENERATORS) IN PLACE OF EXISTING (EXISTING TO BE REMOVED AND REPLACED ARE 2 SECTION EACH) SERVING STATIONARY STAND BY POWER GENERATORS (2-1500 KW / A THIRD 1000 KW GENERATOR IS LOCATED IN THE SAME PLANT HOWEVER HAS UNIT MOUNTED RADIATOR AND IS NOT PART OF THIS
- ONCE A GENERATOR IS TAKEN OUT OF SERVICE WORK SHALL BE 7 DAYS A WEEK UNTIL UNIT IS PLACED BACK INTO SERVICE / NO GENERATOR SHALL BE REMOVED. FROM SERVICE IF A HURRICANE/TROPICAL STORM IS FORECASTED. SHOULD A STORM FORM WORK SHALL BE 7X24 TO ASSURE GENERATOR IS PLACED BACK INTO
- VERIZON OWNS THIS CAMPUS. WORK OF THIS PROJECT IS IN THE SINGLE-STORY UTILITY BUILDING IDENTIFIED AS "E" BUILDING OF THIS MULTI BUILDING CAMPUS. ALL WORK REQUIRED FOR A COMPLETE PROJECT SHALL BE INCLUDED IN THE PROPOSED BID AMOUNTS, UNLESS SPECIFICALLY NOTED OTHERWISE.
- BIDDERS' PROPOSAL SHALL INCLUDE THE FURNISHING OF ALL LABOR, TOOLS, TRANSPORTATION SERVICES, SUPERVISION, MATERIALS, AND EQUIPMENT AS WELL AS ALL SUBCONTRACTORS REQUIRED TO COMPLETE THE SCOPE OF WORK REQUIRED FOR A FULL AND OPERATIONAL SYSTEM UNDER THIS PROJECT. ALL NEW RADIATORS EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE (INCLUDING AMENDMENTS) WITH:
 - FLORIDA BUILDING CODE TEMPLE TERRACE CODE CHAPTER 8 NATIONAL FIRE PREVENTION CODES FLORIDA FIRE PREVENTION CODE
- NATIONAL ELECTRICAL CODE ALL PERMIT COST AND OTHER FEES REQUIRED BY TEMPLE TERRACE, FLORIDA.
- THE PROJECT INCLUDES A 12-MONTH NON-PRORATED PARTS AND LABOR WARRANTY WHICH BEGINS UPON COMPLETION OF THE ENTIRE PROJECT.
- ASBESTOS: IF REQUIRED, TESTING FOR AND REMEDIATION OF ASBESTOS OR OTHER HAZARDOUS MATERIALS WILL BE PROVIDED BY A SEPARATE VERIZON
- CUTTING OF EXISTING WALLS, FLOORS AND FINISHES, TOGETHER WITH ALL REPAIRS/REFINISHING MADE NECESSARY BY SUCH CUTTING OR CHANGES. REMOVAL REPLACEMENT OF FINISHES REQUIRED FOR THE WORK SHALL BE PART OF THE SCOPE OF THIS PROJECT.
- ALL WORK BY CONTRACTOR OR ANY OF ITS SUBCONTRACTORS MUST BE COMPLETE AND READY PRIOR TO THE TIME CONTRACTOR CALLS FOR SYSTEM CUT
- CONTRACTOR SHALL PROVIDE A SAFE WORKING ENVIRONMENT. CONTRACTOR MUST PROVIDE AND SUPPORT SUCH WITH PROVISION(S) FOR ADEQUATE ENTRANCE PROTECTION, MEANS OF HOISTING, HOIST, PROTECTION OF FLOORS, WALLS, DOORS, ETC.
- APPROPRIATE SIGNAGE INDICATING ANY CHANGES TO PEDESTRIAN ACCESS ROUTES FOR BUILDING USERS MUST BE IN PLACE PRIOR TO START OF THE WORK. CONTRACTOR IS RESPONSIBLE TO EMPLOY ANY AND ALL NEEDED SUBCONTRACTORS FOR COMPLETION OF THE ENTIRE SCOPE OF WORK.
- IT IS ENVISIONED THAT THE SELECTED CONTRACTOR WILL SUBCONTRACT A MINIMUM OF 13% OF THE CONTRACT AMOUNT TO CERTIFIED MWDVBE SUBCONTRACTORS.
- ALL REMEDIAL OR PREPARATORY WORK REQUIRED BY THE AHJ SHALL BE PERFORMED BY PROPERLY LICENSED TRADE CONTRACTORS IN COMPLIANCE WITH APPLICABLE CODES AND BASED ON A SCHEDULE OF PERFORMANCE THAT ALLOWS FOR UNINTERRUPTED PROGRESS OF THE WORK.
- ANY DEFECTS DISCOVERED IN THE EXISTING EQUIPMENT DURING THIS PROJECT WILL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR RESOLUTION.
- INFRASTRUCTURE RELATED SCOPE REQUIRED FOR A COMPLETE SYSTEM SHALL BE INCLUDED UNDER THIS PROPOSAL. PRICING SHALL INCLUDE ALL APPLICABLE SALES TAX AND FREIGHT ON EQUIPMENT AND MATERIALS INCLUDING EXPEDITED FREIGHT TO MEET PROJECT SCHEDULE.
- SEQUENCING:
- REMOVE AND REPLACE ONE RADIATOR AT A TIME
- MODIFY, CLEAN, AND PREPARE RADIATORS SUPPORT SECTIONS TO BE REUSED

SCHEDULE RUN TEST CONCURRENT WITH FACILITIES MONTHLY RUN

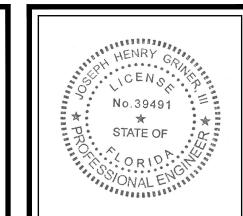
- REPLACE ALL RADIATOR RELATED PIPING AND WIRING ON ROOF SPECIFIC TO THE TWO RADIATORS BEING REPLACED. MATERIALS INCLUDING CONTROLLED ANTIFREEZE AND EQUIPMENT SHALL HAVE MANIFEST OF DISPOSAL PROVIDED AS PART OF THE CLOSEOUT DOCUMENTS.

PROPRIETARY CONTRACTORS

- THE FOLLOWING PROPRIETARY SUBCONTRACTORS MUST BE USED ON THIS PROJECT.
- ROOFING REPAIRS / MODIFICATIONS IF REQUIRED

TECTA AMERICA SR. PROJECT MANAGER

C: 612.396.0750 E: JERLAND@TECTAAMERICA.COM



verizon



NO. DATE & DESCRIPTION 1 08.16.2019 - REVIEW SET 2 06.23.2020 - BID SET

SHEET

Joseph H. Griner using a Digital Signature and date Printed copies of this document are not considered signed and sealed and the signature must be verified

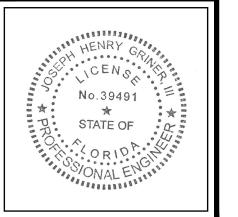
Designed JHG

3125 Fifth Ave N., Suite 300 St. Petersburg, Florida 33713

Phone: (727)-822-2335 Fax: (727)-821-3361 Certificate of Authorization #3173

This item has been electronically signed and sealed I

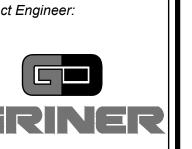






Project Management:

Project Design Professional:

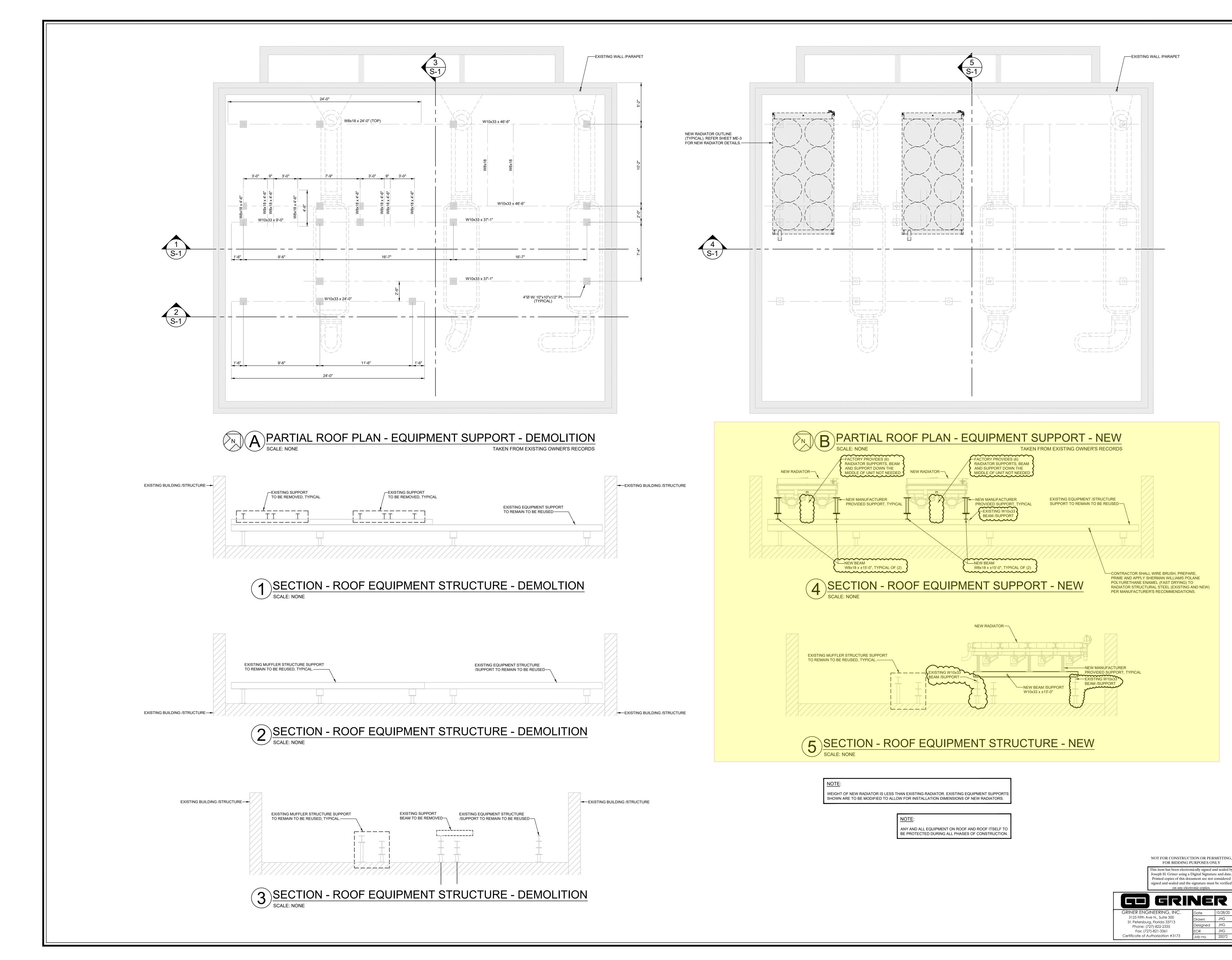


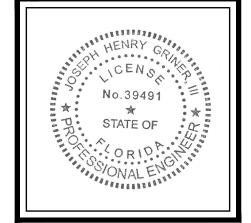
ISSUE DATES: NO. DATE & DESCRIPTION

1 08.16.2019 - REVIEW SET

2 06.23.2020 - BID SET

DRAWN BY: SHEET SITE





Building Owner:

Verizon

Project Management:

BRIAN BOYLE, CPE
SR. PROJECT MANAGER
VERIZON ACCOUNT - PDS
JONES LANG LASALLE AMERICAS
C: 813.293.9163
brian.boyle@am.jll.com

Project Design Professional:

WTA

Project Engineer:

GRINER

SENEKALOR KADIALOR REPLACEMENTS

AT THE

VERIZON TECH CENTER BUILDING 'G'

7701 EAST TELECOM PARKWAY

TEMPI F TERRACE FIORITS

ISSUE DATES:

NO. DATE & DESCRIPTION

1 08.16.2019 - REVIEW SET

2 06.23.2020 - BID SET

3 10.28.2020 - CONSTRUCTION REVISION

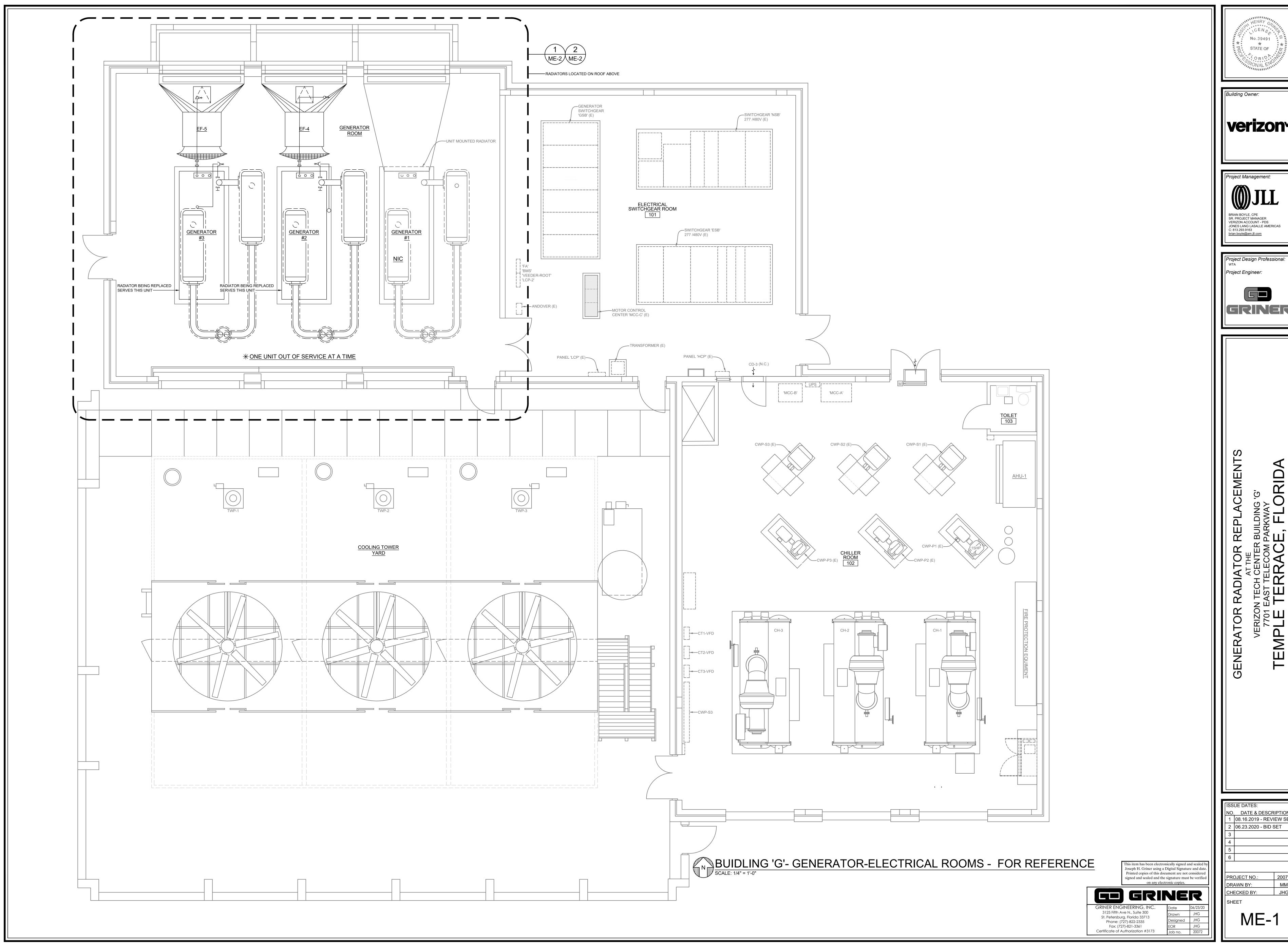
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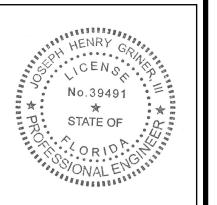
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6

PROJECT NO.: 20072
DRAWN BY: MM
CHECKED BY: JHG
SHEET

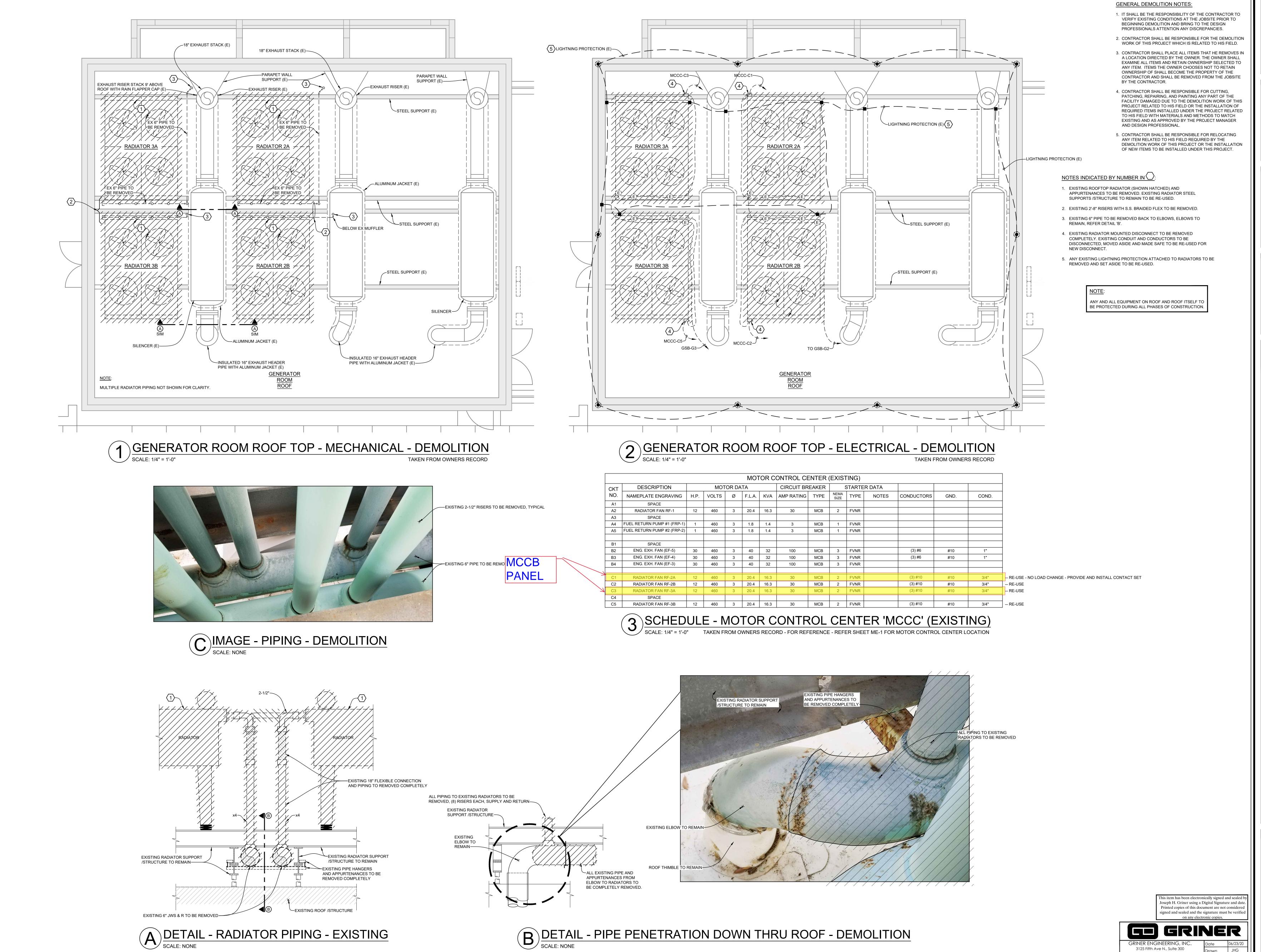
S-1







NO. DATE & DESCRIPTION
1 08.16.2019 - REVIEW SET



No.39491 STATE OF

Project Management: BRIAN BOYLE, CPE VERIZON ACCOUNT - PDS JONES LANG LASALLE AMERICAS C: 813.293.9163

brian.boyle@am.jll.com

Project Design Professional: Project Engineer:



ISSUE DATES: NO. DATE & DESCRIPTION

1 08.16.2019 - REVIEW SET 2 06.23.2020 - BID SET

DRAWN BY:

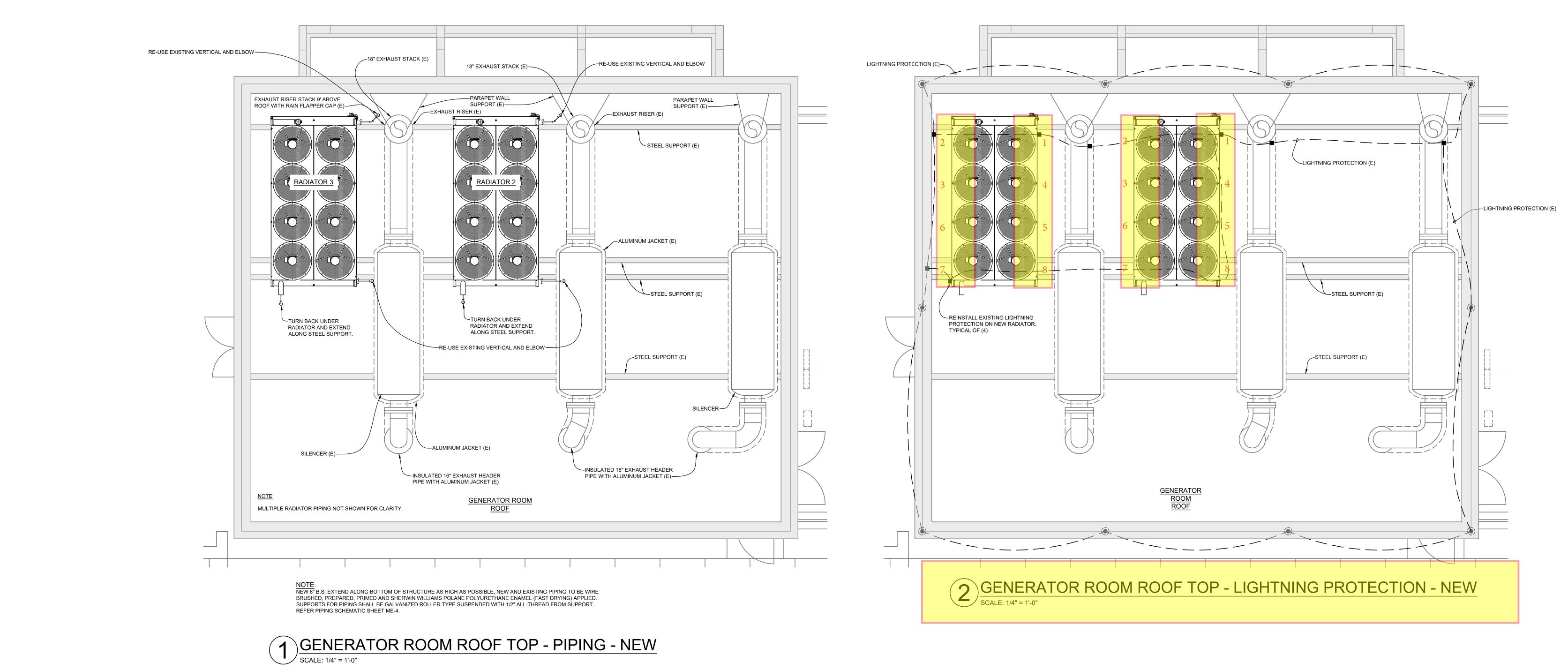
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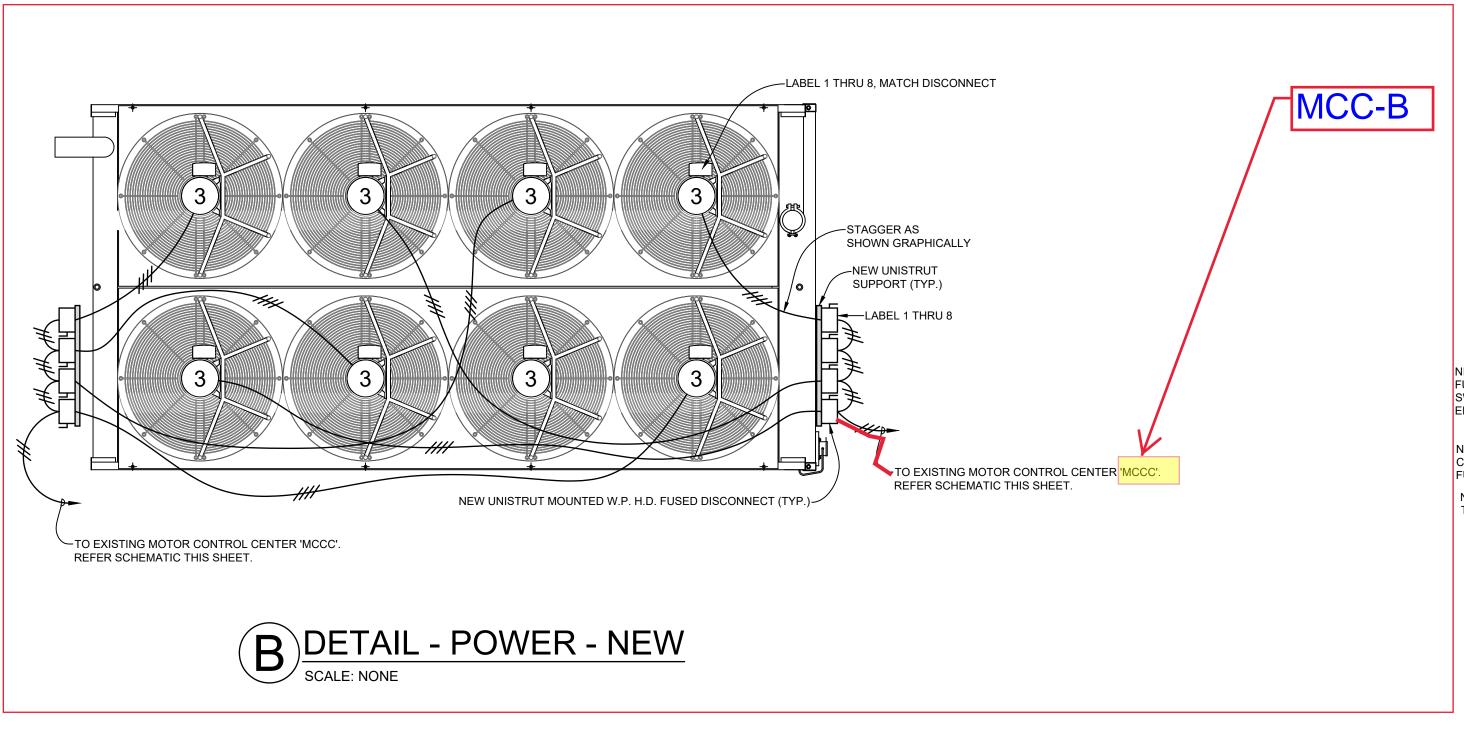
3125 Fifth Ave N., Suite 300

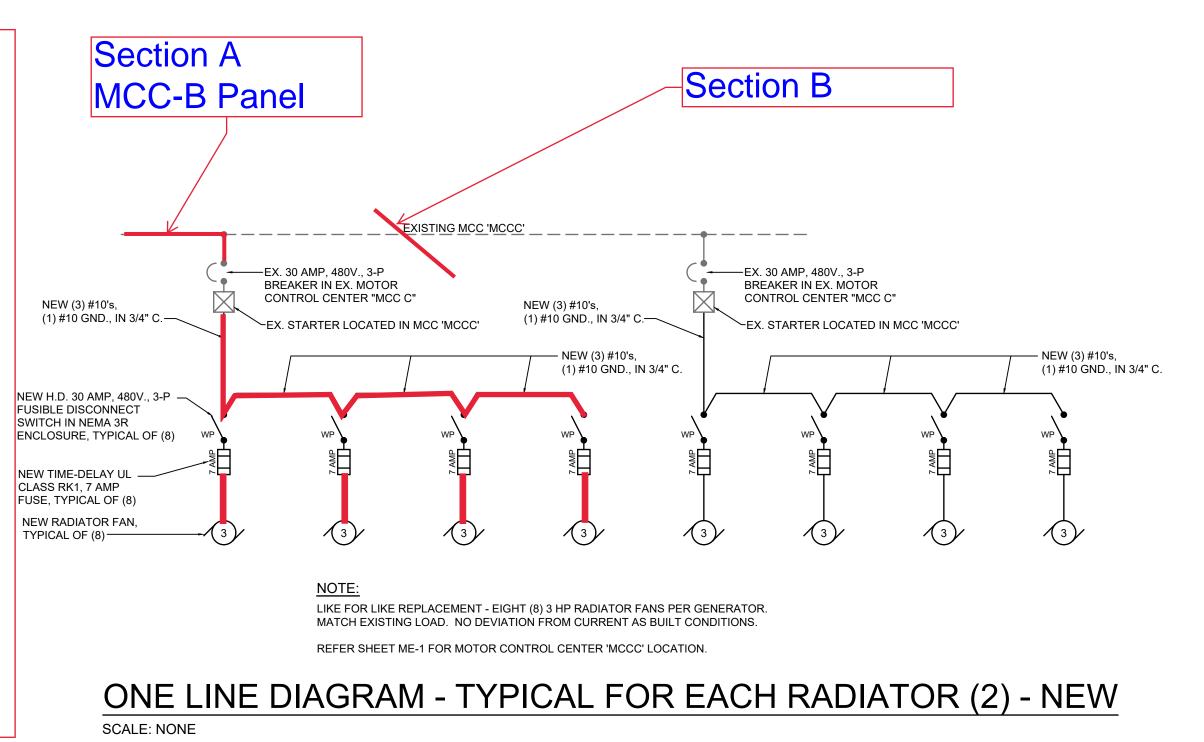
St. Petersburg, Florida 33713

Phone: (727)-822-2335 Fax: (727)-821-3361 Certificate of Authorization #3173 Designed JHG COR JHG

ME-2

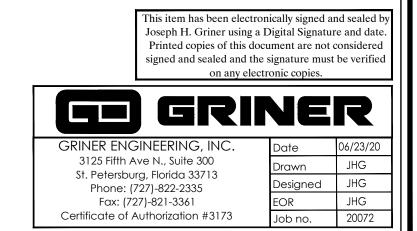


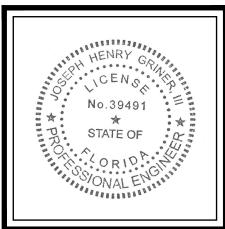




NOTE:

ANY AND ALL EQUIPMENT ON ROOF AND ROOF ITSELF TO BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.





Building Owner:

Verizon

Project Management:

BRIAN BOYLE, CPE
SR. PROJECT MANAGER
VERIZON ACCOUNT - PDS
JONES LANG LASALLE AMERICAS
C: 813.293.9163
brian.boyle@am.jll.com

Project Design Professional:
WTA
Project Engineer:

JR KADIA I OK KEPLACEMEN I S AT THE ZON TECH CENTER BUILDING 'G' 701 EAST TELECOM PARKWAY

ISSUE DATES:

NO. DATE & DESCRIPTION

1 08.16.2019 - REVIEW SET

2 06.23.2020 - BID SET

3 4

5

PROJECT NO.: 20072
DRAWN BY: MM
CHECKED BY: JHG
SHEET

ME-3

Project Design Professional:

WTA

Proiect Engineer:



THE SUILDING 'G' SCOM PARKWAY

VERIZON TE 7701 EAST

ISSUE DATES:

NO. DATE & DESCRIPTION

1 08.16.2019 - REVIEW SET

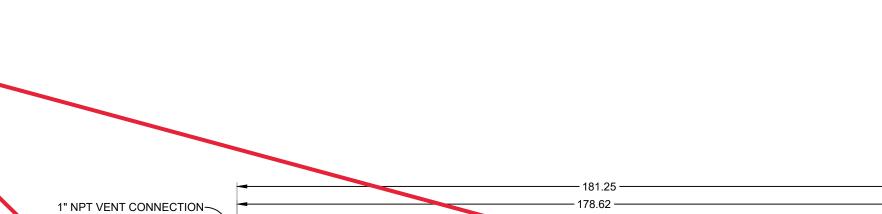
2 06.23.2020 - BID SET

3 4

PROJECT NO.: 2007
DRAWN BY: MM
CHECKED BY: JHG
SHEET

ME-4

Needed to replace drawing specifications per IEA manufacture to meet their specification and design build based on signed submitted drawings of radiator inlets and outlets.



MURPHY LEVEL GAUGE FACTORY MOUNTED LEGS WITH VIBRATION PADS

AMBIENT TEMPERATURE:

ELEVATION:

NOISE LEVEL:

DIMENSIONS:

FLUID CAPACITY:

CFM:

FAN DESCRIPTION:

MOTOR DESCRIPTION:

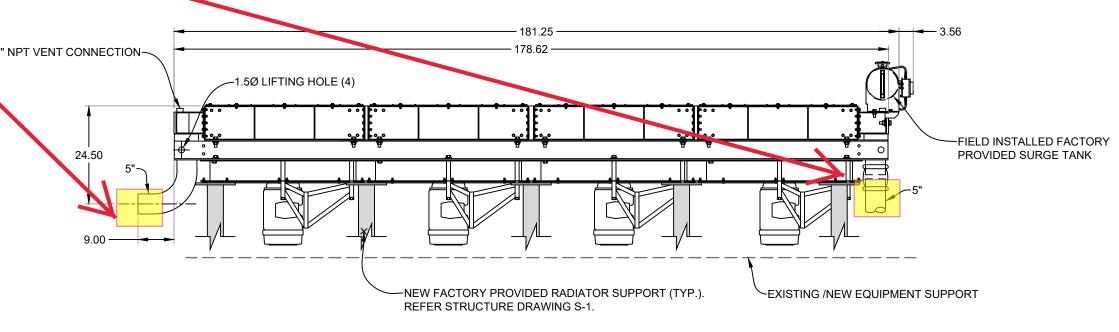
APPROXIMATE WEIGHT:

SOLDER COATED CORE

GALVANIZED FRAME WITH SEAL WELDS

HERESITE COATED FUEL COOLÉR

INCLUDED OPTIONS:



1 DETAIL - ELEVATION

SCHEDULE (EACH OF 2 RADIATORS)

87 DBA AT 6 FT.

47.5 GALLONS

EXPANSION TANK (100 GALLON) (SHIPPED LOOSE FOR CONTRACTOR INSTALLATION)

(QTY. 8) 3 HP /480 VOLT

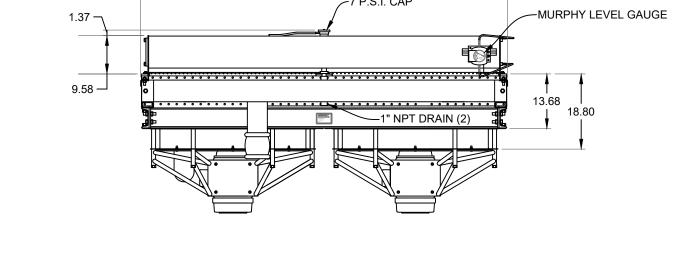
(QTY. 8) 48" DIAMETER, 870 RPM, DIRECT DRIVE (NO V-BELTS) 50,913

130 DEG. F

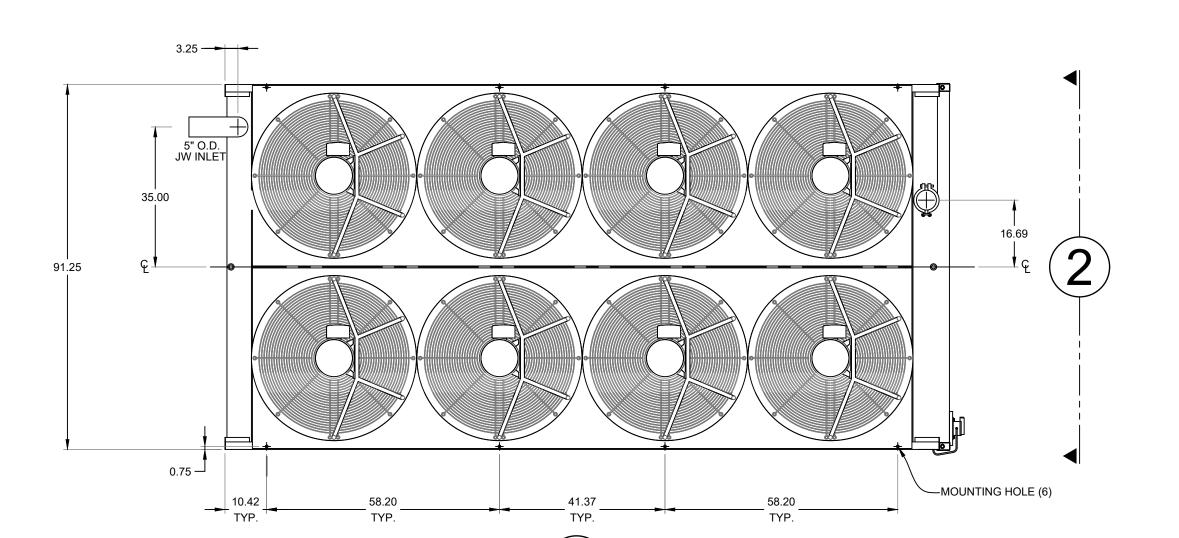
8'W x 16'L

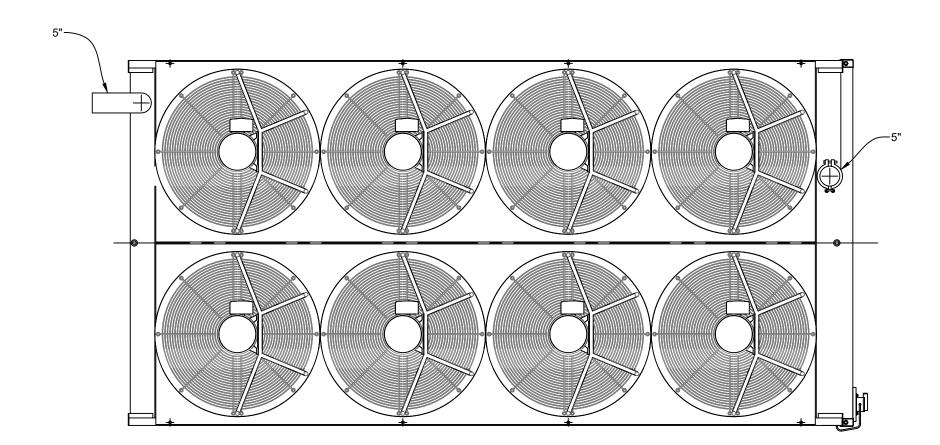
8,000 LBS.

IEA HORIZONTAL REMOTE RADIATOR, MODEL #MC092S38, SINGLE CORE (SIZED FOR CATERPILLAR 3516 TA DIESEL ENGINE)

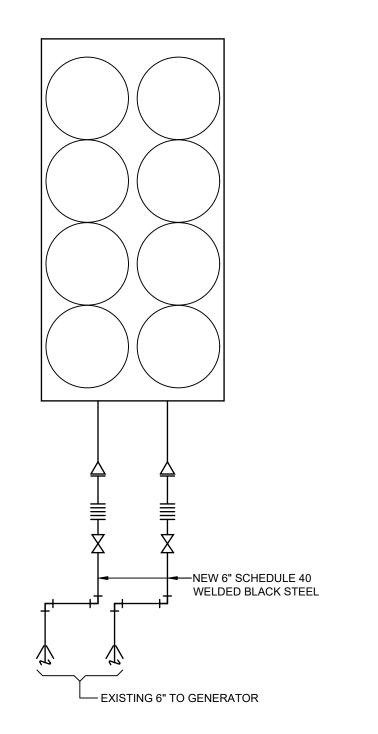








A DETAILS - HORIZONTAL REMOTE RADIATOR
SCALE: NONE



DETAIL - PIPING

SCALE: NONE

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GRINER ENGINEERING, INC.

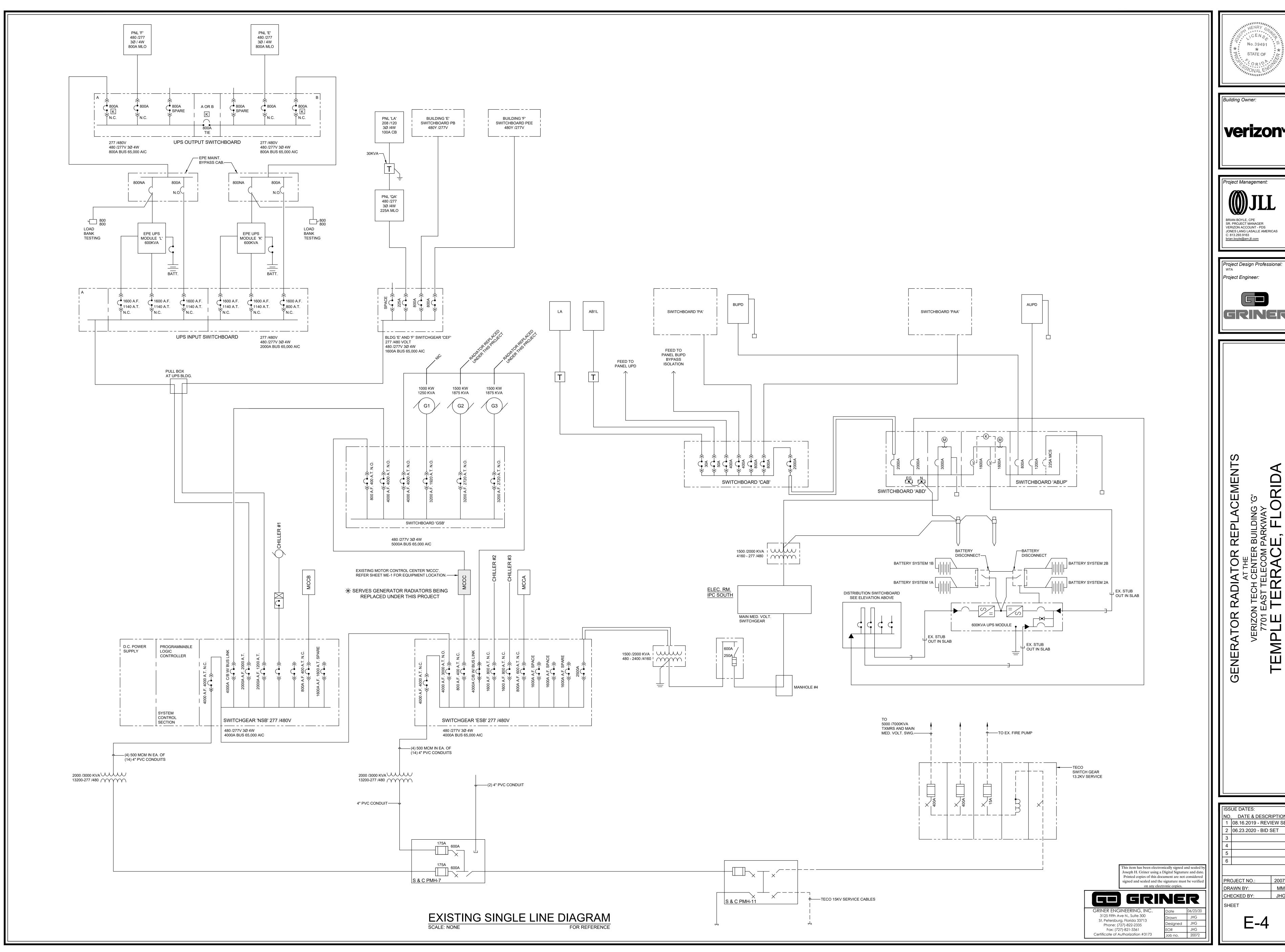
3125 Fifth Ave N., Suite 300
St. Petersburg, Florida 33713
Phone: (727)-822-2335
Fax: (727)-821-3361

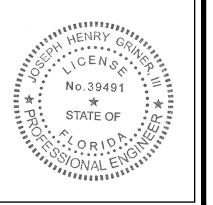
Printed copies of this document are not considered signature must be verified on any electronic copies.

Date 06/23/20
Drawn JHG
Designed JHG
EOR JHG

Certificate of Authorization #3173

This item has been electronically signed and sealed by Joseph H. Griner using a Digital Signature and date.





NO. DATE & DESCRIPTION

1 08.16.2019 - REVIEW SET