

SAVESTATION MECHANICAL UNIT ATTACHMENT
AND FOOTING MASTER PLAN SHEET

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PE# 43001 CA# N/A

05/29/2019

IF CHECKED, CERTIFYING P.E. APPEARS BELOW

VALID FOR 1 PERMIT ONLY U.N.O.

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REMARKS	INIT	ISSUE	DRWN	CHKD	DATE
			JAC	FLB	05/02/19
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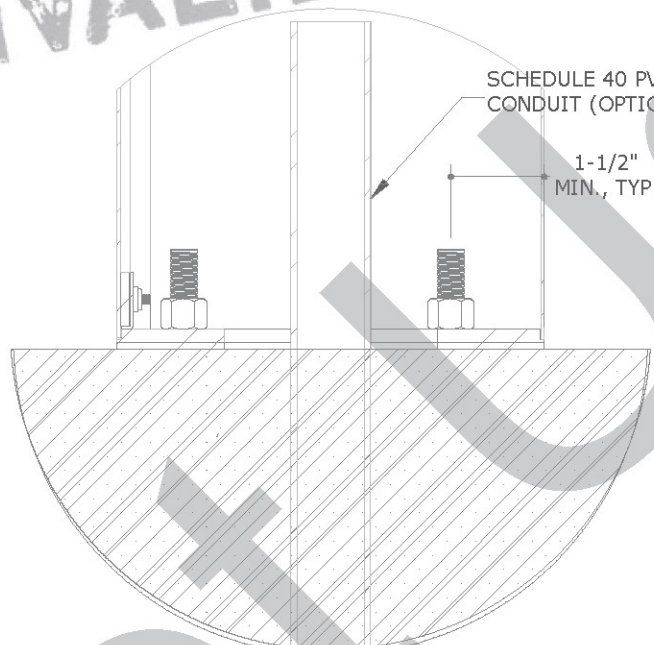
19-7704

SCALE: NTS UNLESS NOTED

1 OF 1



GENERAL NOTES

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 MINNESOTA BUILDING CODE.
- DESIGN BASED ON ASCE 7-10 USING $V_{ult} = 105\text{MPH}$ / $V_{asd} = 82\text{MPH}$, EXPOSURE 'B', RISK CATEGORY I, USING THE 'WALLS AND SIGNS METHOD'.
- THIS DESIGN TO BE USED AT GROUND SURFACE ONLY.
MIN. UNIT WEIGHT = 50LBS.
UPLIFT = 29PSF
LATERAL = 59PSF
- ALL CONCRETE SHALL BE UNCRACKED ONLY WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI U.N.O. AND SHALL BE MINIMUM 1.5X THICKER THAN ANY MEMBER EMBEDMENT. ALL EPOXY AND GROUT SHALL MEET OR EXCEED COMPRESSIVE STRENGTH OF THE CONCRETE AND SHALL BE IRON-FREE, NON-SHRINK AND NON-REACTIVE. CONCRETE FOOTERS SHALL CONTAIN MIN 0.1% FIBERMESH ADMIXTURE PER CY. SURROUNDING SOIL TO BE COMPACTED TO 95% OPTIMUM DENSITY, 2500 PSF MIN AND SHALL BE CLASSIFIED OR VERIFIED BY OTHERS PRIOR TO CONSTRUCTION PER FBC 1806.2 AND SHALL BE SANDY GRAVEL CLASS ONLY.
- FOR ALUMINUM ATTACHMENTS ALL ANCHORS SHALL BE SPACED WITH 2xDIAMETER END DISTANCE AND 2.5xDIAMETER MIN SPACING TO ADJACENT ANCHORS, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
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- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.





DETAIL C


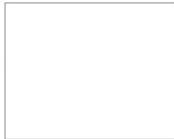
FOOTING SCHEDULE				
FOOTING TYPE	WIDTH	LENGTH	DEPTH	REMARKS
A	24"	24"	42"	MONOLITHIC FOOTING
B	36"		42"	ISOLATED FOOTING
C	60"	60"	4"	SLAB



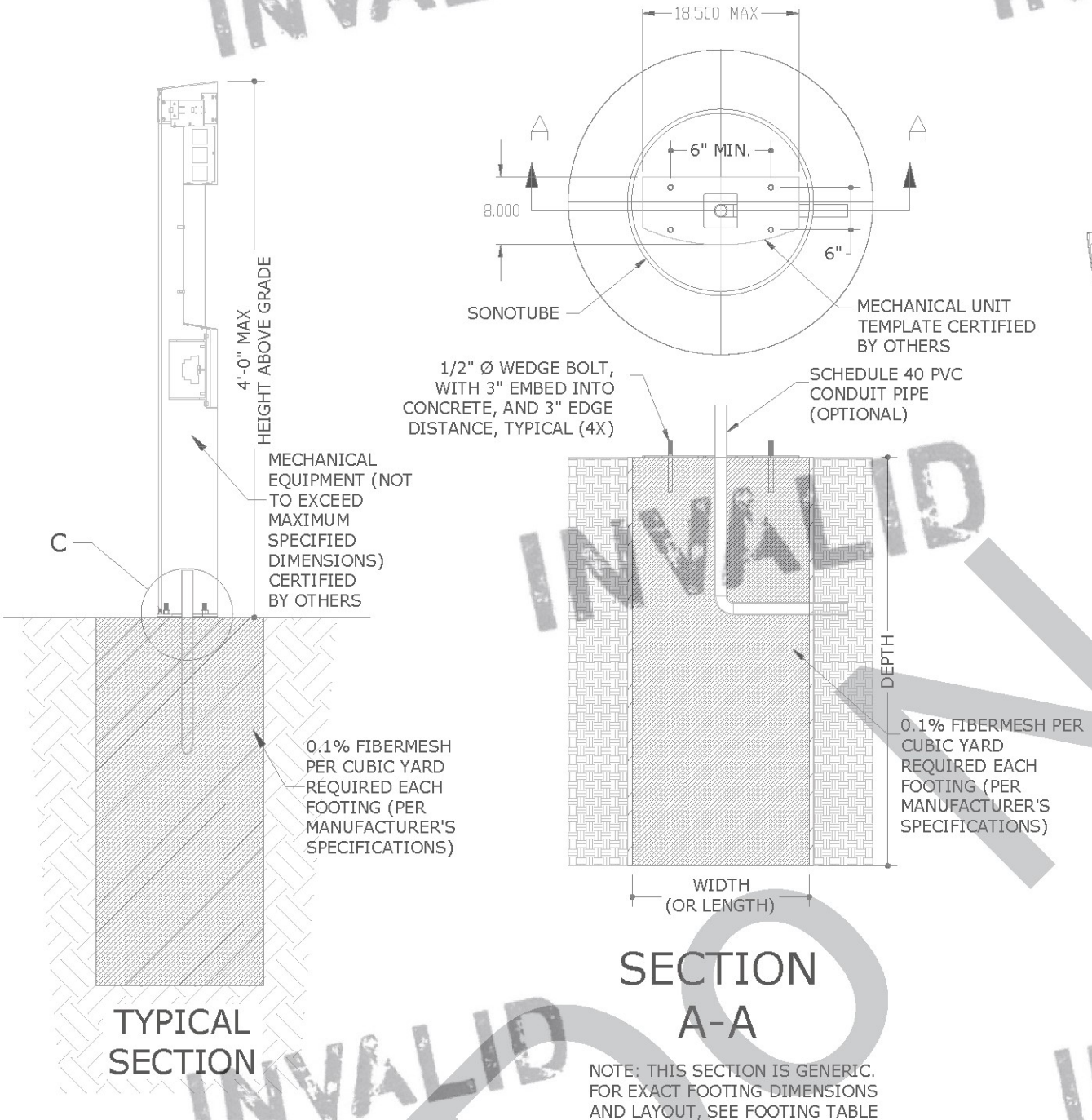
TYPE-A



TYPE-B



TYPE-C



SECTION A-A

NOTE: THIS SECTION IS GENERIC. FOR EXACT FOOTING DIMENSIONS AND LAYOUT, SEE FOOTING TABLE