

# THE METAL SHOP

2541 W. Dunnellon Road

Dunnellon, FL 34433

www.metalshop.org

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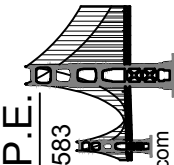
## NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE, SIXTH EDITION, BUILDING VOLUME AND ASCE 7 - 2010 MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES.
2. ANY CHANGE FROM THE DRAWINGS AND / OR FIELD CHANGE CONDITIONS, MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER SO THAT NECESSARY CHANGES CAN BE MADE AND INTENT OF THE DESIGN IS CARRIED OUT TO ITS FULLEST EXTENT.
3. IT IS THE RESPONSIBILITY OF INSTALLING CONTRACTOR TO PROVIDE ADEQUATE ANCHORAGE AND CORROSION RESISTANT ISOLATION PADS AT THE BOTTOM OF ALL BASE PLATES WHEN BEARING ON CONCRETE AND STEEL STRUCTURES.
4. MINIMUM DESIGN LOADS : DEAD LOADS AND LIVE LOADS IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODES, CHAPTER 16. A/C UNIT & FRAME WITHSTANDS WIND SPEEDS UP TO 186 MPH PER 2017 FBC AND ASCE 7-10.
5. CALCULATIONS ARE BASED ON A/C UNIT WEIGHT AND WIND PRESSURES BASED ON A/C UNIT SURFACE AREA.
6. DESIGN AND ENGINEERING IS FOR THE METAL SHOP WALL BRACE ONLY. SEE MANUFACTURE INSTRUCTIONS AND CERTIFICATIONS FOR PROPER INSTALLATION OF AC UNIT.
7. SEE MANUFACTURE INSTALLATION FOR AC CONDENSER UNIT.
8. 6063-T5/6061-T6 ALUMINUM ALLOY CONSTRUCTION FOR EXTERIOR EXPOSURE APPLICATIONS.
9. WALL BRACES SHALL HAVE ALL WELDED JOINTS AND SEAMS UNLESS OTHERWISE STATED.
10. WELD FILLER SHALL BE ALUMINUM ALLOY 4043 WITH TENSILE STRENGTH OF 26-28 KSI.
11. ALL ANCHOR/CONNECTION BOLTS SHALL BE IN ACCORDANCE WITH ASTM A-307 OR A-325 F.
12. EXPANSION BOLTS AND LAG SCREWS SHALL HAVE A MINIMUM EDGE DISTANCE OF 1" FOR LAGS AND 3" FOR EXPANSION BOLTS. PRE-DRILL HOLES IN LAG SCREWS.
13. VIBRATION ISOLATOR PADS SHALL BE PROVIDED BY THE A/C CONTRACTOR SO AS NOT TO CAUSE VIBRATION TO EXISTING SUB-STRUCTURE

REVISIONS

DATE

THIS DRAWING IS NOT VALID UNLESS SIGNED, SEALED AND DATED BY A REGISTERED PROFESSIONAL ENGINEER



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Aluminum Wall Braces

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DATE 1/8/2018

SCALE AS NOTED

DRAWN BY: J. HILLER

JOB NO.

SHEET

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