City of Puyallup Building REVIEWED FOR COMPLIANCE

BSnowden 08/22/2025 10:45:22 AM



STRUCTURAL CALCULATIONS

FOR THE

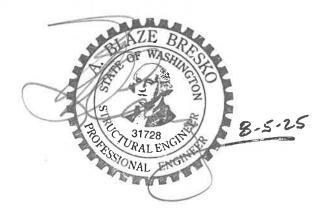
MECHANICAL UNIT SUPPORT

AT

PLANET FITNESS

STRUCTURAL LANGE SAGE IDA

SOUTH HILL CENTER SPACE IDA 4102 S. MERUDIAN PHYALLUP, NA 98373



STRUCTURAL ENGINEERING

PLANET FITNESS

PROJECT

DATE

DESIG Cores

SHEET

206.443.6212 253.284.9470

00

Check Joist L=38'

W/o Mech Unit .252",

Weapprend: 252

R=4.8"

M=45.5"

Dither UNITS & 1000 BK BY INSPECTION



PLANET FITNESS

PROJECT FOR SPACE IDA

4102 S MERIDIAN

PUYALLUP, WA 98373

38



Hanging TV'S ARE Supported BY ALUMINUM TRIANGULAR TMSSES

ALUM TRUSSES ARE 9-10"Long AND Weigh 135#

WEIGHT OF TYPICAL BIG SCREW

TOT WEIGHT = 175 PER TRUSS

FOR THE WOYST CASE OF ALUM
TINUSSES SUPPORTED BY A
SINGLE OWSJ, CALCULATE
THE EQUIVALENT UNIT AREA LOAD

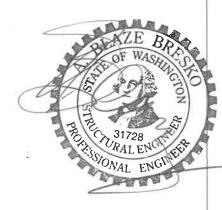
W = 175# 1 = 3.1 psf

Typical Misc/MecH LDAD = Spsf = 3.1 (NOTE: No Celling LDAD SINCE TRUSSES ExposeD)

Specify ALUM TRUSS TO BE AnchorED TO UNITSTRUT B/+ TRUSSES AT TRUSS PANEL POINTS.



PRCTI20250853



STRUCTURAL ENGINEERING

PLANET FITTNES
PROJECT HILL CNTR SPALE IDA
4102 S. Mendian
Prykurp, WA 98373

B-5-25
DATE
PRO ..
DES'GN 2

SWENSON SAY FAGÉ