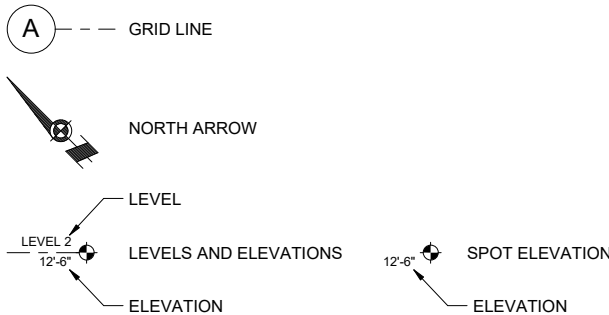


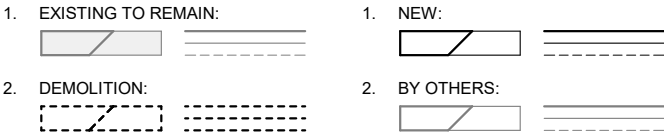
1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

Autodesk Docs//10297_24002-CBY Airport Water System Extension\\NF-STRU\\10297_24002_RV23.rvt 4/19/2025 4:29:24 PM

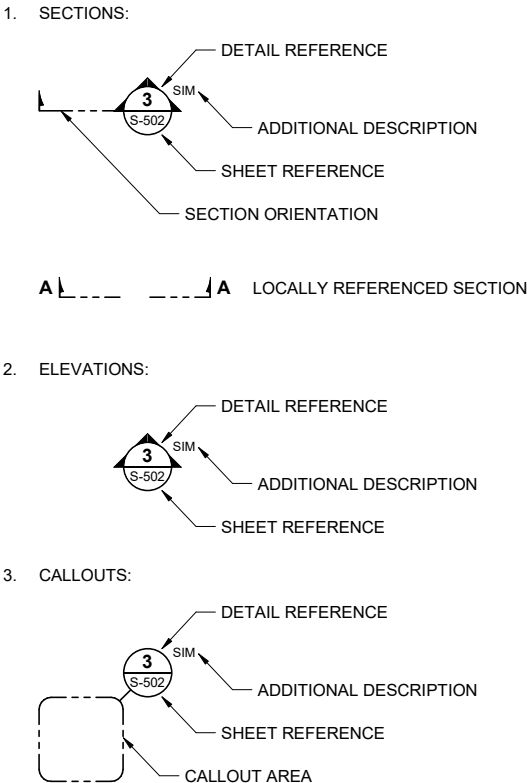
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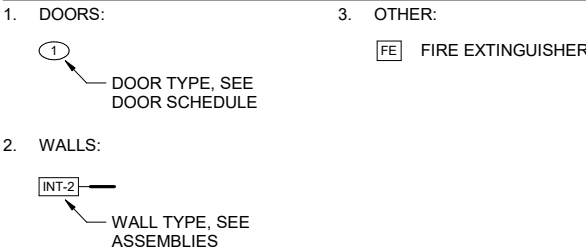
LINEWORK



REFERENCES



TAGS AND SYMBOLS



CODE ANALYSIS

1. DATE:

A. 10/4/2024
2. PROJECT:

A. YAKUTAT PUMP HOUSE
3. GENERAL DESCRIPTION:

A. NEW PRE-ENGINEERED METAL FRAME BUILDING HOUSING PUMP HOUSE-COOLING WATER PUMPS
4. CODE:

A. 2021 INTERNATIONAL BUILDING CODE, NFPA 101 (2021)
B. 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
5. OCCUPANCY:

A. IBC 303.3 STORAGE BUILDING (S-2):

a. NFPA 101 - 40.1.2.1.2 SPECIAL PURPOSE INDUSTRIAL OCCUPANCY
6. GENERAL BUILDING HEIGHTS AND AREAS:

A. IBC TABLE 504.3 BUILDING HEIGHTS FOR GROUP S-2, TYPE V-B CONSTRUCTION

a. ALLOWABLE HEIGHT: 60'-0"

• ACTUAL: 25'-0"

B. TABLE 504.4 NUMBER OF STORIES FOR GROUP S-2, TYPE V-B CONSTRUCTION

a. STORIES ALLOWED: 2

• ACTUAL STORIES: 1

C. TABLE 506.2 BUILDING AREA FOR GROUP S-2, TYPE V-B CONSTRUCTION

a. AREA ALLOWED: 13,500 S.F.

• ACTUAL: 1,360 SQUARE FEET S-2 OCCUPANCY

D. 506.2 AUTOMATIC SPRINKLER SYSTEM INCREASE: NONE TAKEN

7. TYPE OF CONSTRUCTION:

A. TABLE 601 FIRE RESISTIVE RATING FOR BUILDING ELEMENTS TYPE V-B CONSTRUCTION:

a. PRIMARY: STRUCTURAL FRAME
b. BEARING WALLS: 0-HRS
c. INTERIOR: 0-HRS
d. EXTERIOR: 0-HRS

B. NONBEARING WALLS AND PARTITIONS

a. INTERIOR: 0-HRS
b. EXTERIOR: 0-HRS

C. TABLE 602 FIRE RESISTIVE RATING REQUIREMENTS BASED ON SEPARATION DISTANCE FOR GROUP S-2

a. <5FT: 1-HR
b. 5FT< - <10FT: 1-HR
c. 10FT< - <30FT: 0-HR
d. >30FT: 0-HR
8. RATED SEPARATIONS:

A. 2-HR BETWEEN MECHANICAL AND GENERATOR ROOM PER IBC 2702.1.3 AND NFPA 110-7.2.1.1.
9. SEPARATION DISTANCE:

A. 705.5 S-2 OCCUPANCY TYPE VB CONSTRUCTION SEPARATION DISTANCE BETWEEN 10 AND 30 FEET HAS A FIRE WALL RATING OF 0 HOURS.
10. FIRE PROTECTION:

A. AUTOMATIC SPRINKLERS NOT REQUIRED.
11. PORTABLE FIRE:

A. FIRE EXTINGUISHERS REQUIRED PER IBC 906.1, CLASS ABC (MINIMUM 2A:10B:C).

CODE ANALYSIS (CONTINUED)

12. MEANS OF EGRESS:

A. OCCUPANT LOAD: S-2 MECHANICAL EQUIPMENT ROOM 300 SF PER PERSON - 5 OCCUPANTS
B. MAXIMUM COMMON PATH TRAVEL DISTANCE WITH SPRINKLER: 100'

a. ACTUAL: 74'
13. ENERGY REQUIREMENTS TABLE C402.1.4 (YAKUTAT = CLIMATE ZONE 7, U-FACTOR REQUIREMENTS):

A. ROOFS: U-FACTOR 0.029 MAX (R-34.5)
B. WALLS: U-FACTOR 0.050 MAX (R-20)

GENERAL NOTES

1. FIELD VERIFICATION:

THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICE OF ALL DISCREPANCIES.
2. PEMB BUILDING TO BE PROVIDED BY CONTRACTOR.

A. THE CONTRACTOR SHALL COORDINATE THE METAL BUILDING DESIGN WITH ALL TRADES AND INSTALLATIONS INCLUDED IN THE CONTRACT DOCUMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO THE APPLICATION OF LOADS; FIT AND FUNCTION BETWEEN BUILDING AND OTHRE COMPONENTS; AND REQUIRED CLEARANCES FOR QUIPMENT OPERATION AND INTENDED OCCUPANT USE.

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AECC163270

PROJECT :

CITY & BOROUGH OF YAKUTAT
WATER SYSTEM EXTENSION

YAKUTAT, ALASKA

SHEET TITLE :

LEGEND, CODE ANALYSIS,
GENERAL NOTES

DESIGN TKM
DRAWN DJM
CHECKED TKM
DATE 04-16-2025

PROJECT No.
10297.24002
SHEET NUMBER

A-001

No.	Date	Item
REVISIONS		