building code analysis

PROJECT: GARFIELD STORAGE GARAGE

PROJECT #: OT-1034PW&U

LOCATION: 520 Garfield Avenue – DULUTH, MN

PREPARED BY: Terry L. Groshong, AIA, NCARB, CID City Architects Office

2000 International Building Code

OCCUPANCY AND CONSTRUCTION TYPE CLASSIFICATION (Chapter 3 & Chapter 6)

Description Occupancy Class Construction Type Actual SF Floor Level

Date: 01 JUNE 2010

Cold Storage Garage S-2 Type V - B 1,500 GSF 1 Story

OCCUPANCY SEPARATIONS REQUIRED (Table 302.3.3) NA = Not Applicable

Occupancy Class Occupancy Class Separation Req'd (hours)

ADDITION EXISTING

NA NA 2 Hours X NA

FIRE EXTINGUISHING SYSTEMS (Chapter 903.2.1.3)

a) Is the building (or part of building) Sprinkled
 b) Is building being sprinkled for 1 Hr Construction Substitution
 c) Is building required to be Sprinkled
 No

Note:

BASIC ALLOWABLE FLOOR AREA (Table 503)

Occupancy Class Construction Type Basic Allowable SF

S-2 Type V-B 13,500 SF

AREA INCREASES (Chapter 5)

a) Area Separation Walls (Section 302.3.3) NA

b) Multi Story (Table 503) Yes – 2 Allowed

c) Separation on four sides Yes

FRONTAGE INCREASE (Section 506.2)

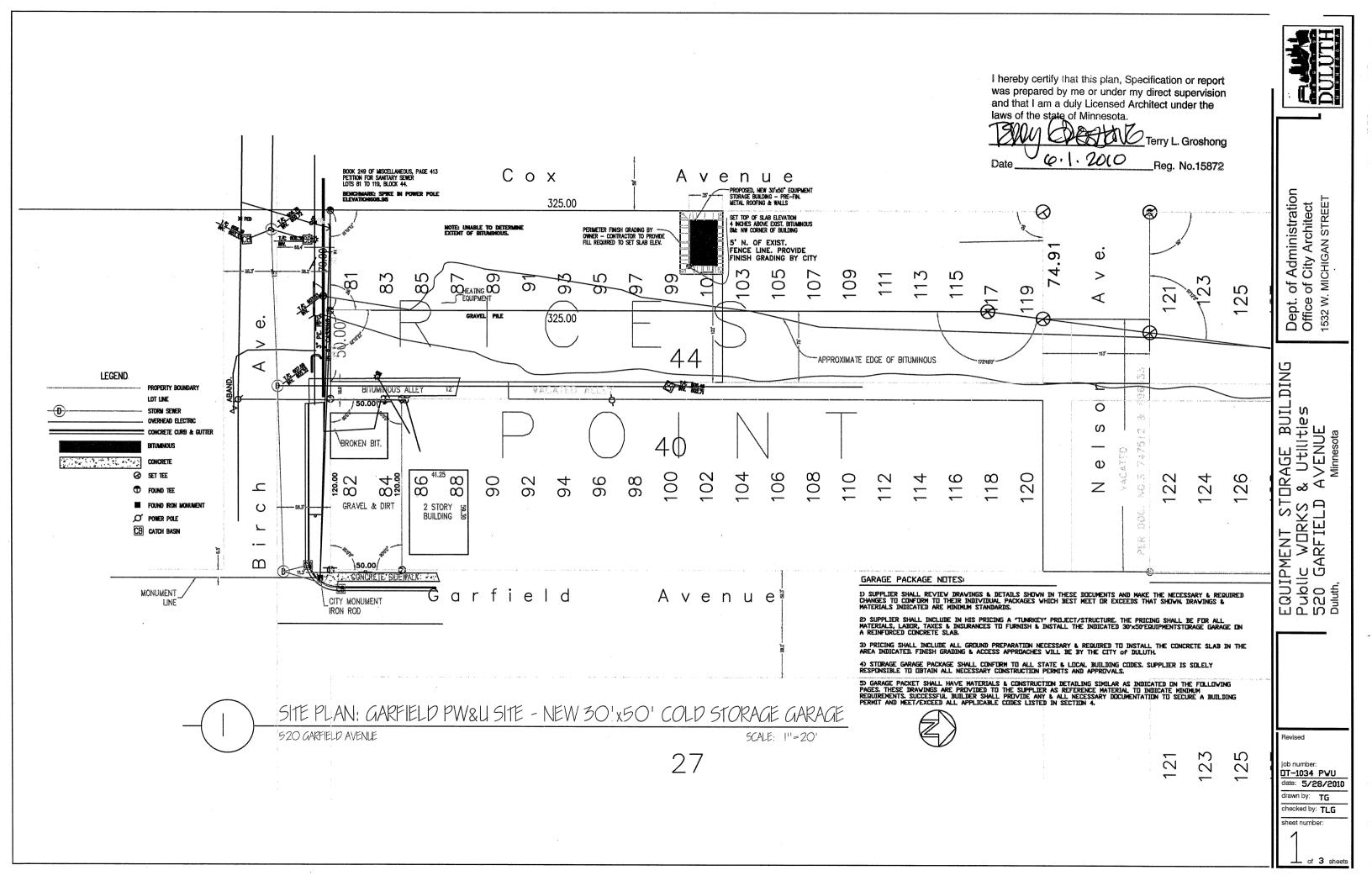
Occupancy Const. Type Allowable SF % Increase Adjusted SF

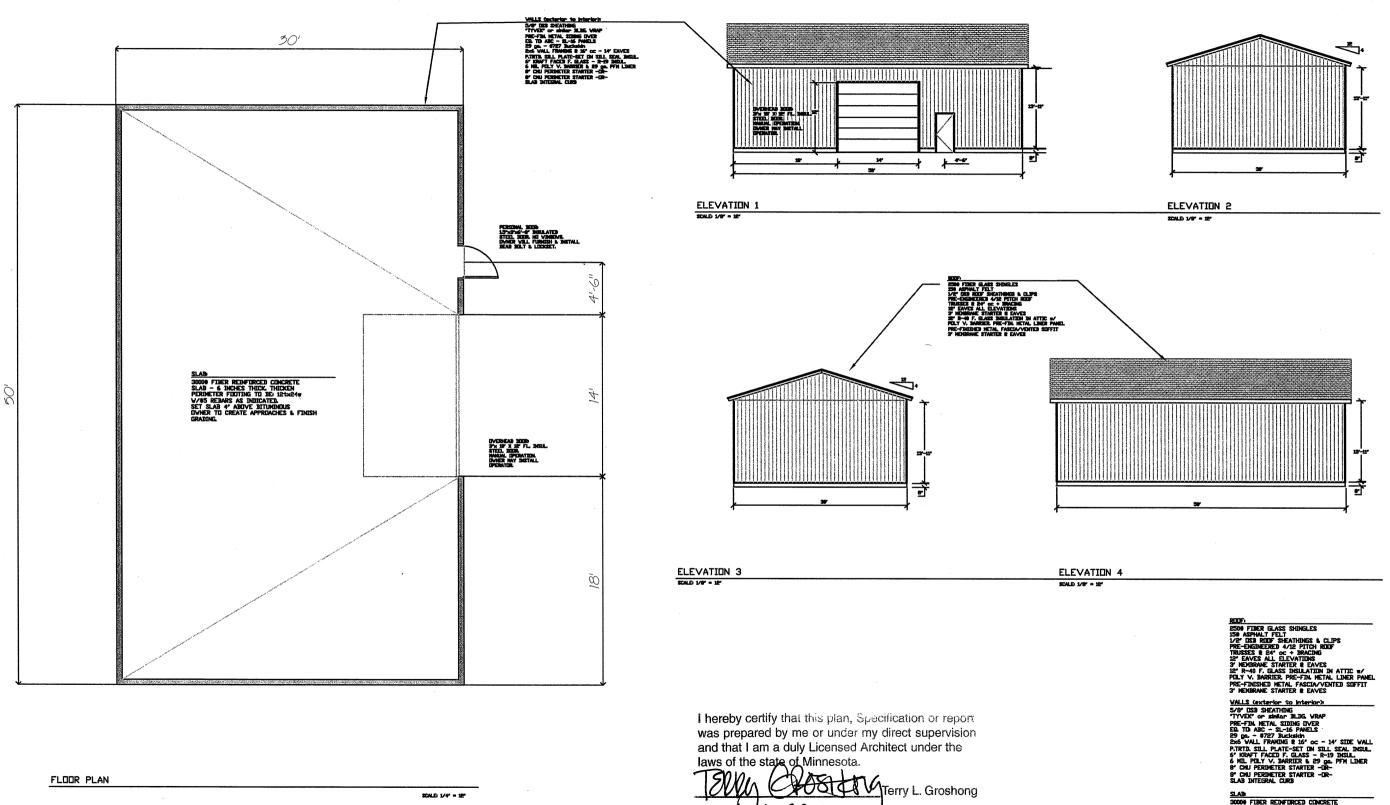
S – 2 V – B 13,500 SF 75% 23,625

ACTUAL / TOTAL ALLOWABLE FLOOR AREA RATIO

 Occupancy
 Const. Type
 Allowable SF
 Actual SF
 Ratio

 S - 2
 V - B
 23,625 SF
 1,500 SF
 .063





_____Reg. No.15872

SCALD 1/4" = 12"

FLOOR PLAN

MAINTENANCE OPERATIONS Office of City Architect 1532 W. Michigan Street

Terry L. Groshong Registration No: 15872

City of Duluth cold stores building by & u gartield facility see gartield avenue

Job number: 2004 PMI

Date: 3/27/200 Drawn by: 16

Checked by: 116 Drawing Number:

2

of___sheets

