NOTES:

1. ALL DOORS IN 1 HR RATED WALLS TO BE 45 MIN
2. HARDWARE ON ALL EXIT DOORS TO BE EXIT DEVICE

1 A1.01 FIRST FLOOR PLAN
1/8" = 1'-0"

IBC ANALYSIS

FOOTPRINT - 8,500 S.F.

CONSTRUCTION TYPE 5B

UNSPRINKLED (UNDER 9,000 S.F.) — IBC 2009 TABLE 503

OCCUPANT LOAD -
WORK STATION AREA - BY STATION - 13 OCCUPANTS
WORKSHOP & LAB AREAS S.F./100 — IBC 2009 TABLE 1004.1.1
4+12+5 +1+17+4+4+12 = 59
13 +60 = 72 OCCUPANTS
36 MEN, 36 WOMEN

EXISTING BUILDING - ALTERATIONS - LEVEL 3
CHANGE OF OCCUPANCY - VACANT TO INDUSTRIAL (F1) & (F2)
F1- WOOD & METAL SHOP F2- FOUNDRY — IBC 2009 306.2
F2 IS ACCESSORY TO F1 (135 S.F./1760 S.F. = 7.6%) — IBC 2009 508.2
ANY CLASSES WITH STUDENTS UNDER THE 12TH GRADE
WILL BE KEPT TO A MAX OF 5 STUDENTS SO NO E USE — IBC 2009 305.1
COMBUSTIBLE STORAGE - REFER TO NFPA ANALYSIS — IBC 2009 413.1
HAZARDOUS MATERIALS - REFER TO NFPA ANALYSIS — IBC 2009 SECTION 414
APPLICATION OF FLAMMABLE FINISHED - REFER TO NFPA ANALYSIS — IBC 2009 SECTION 416

MEZZANINE -
CLEAR HEIGHT BELOW AND ABOVE 7' — IBC 2009 505.1
MEZZ - 1,280 S.F. - LOCATED IN SPACE OF 4,140 S.F.
4,140 S.F./3 = 1,380 S.F. > 1,280 S.F. — IBC 2009 505.2
2 EXITS FROM MEZZ
COMMON PATH FROM MEZZ - 75' W/OUT SPRINKLER — IBC 2009 1014.3
MEZZ CAN BE ENCLOSED — IBC 2009 505.4 EX. 2

FIRE RATING - NONE REQUIRED FOR 5B — IBC 2009 TABLE 601

INTERIOR FINISHES - EXIT ENCLOSURES/PASSAGES-A
ROOMS-C — IBC 2009 TABLE 803.9

FIRE PROTECTION SYSTEM - REFER TO NFPA ANALYSIS — IBC 2009 901.2
EMERGENCY LIGHTING REQUIRED

MEANS OF EGRESS - COMMON PATH <75' W/OUT SPRINKLER — IBC 2009 1014.3
EXIT SEPARATION > OR = ⅓ DIAGONAL — IBC 2009 1015.2
EXIT ACCESS TRAVEL DISTANCE
F1 - 200' W/OUT SPRINKLER
F2 - 300' W/OUT SPRINKLER — IBC 2009 TABLE 1016.1
FISTURE COUNT-

UPC - INDUSTRIAL
MEN - 2 TOILETS, 1 URINAL
WOMEN - 3 TOILETS
1 WATER FOUNTAIN
SUBMITTING FOR WAIVER ON FIXTURE COUNT BASED ON STANDARD MAX OCCUPANCY OF 20 AND OCCUPANCY AT 40 OR ABOVE ONLY SEVERAL TIMES A YEAR

2 A1.01 MEZZANINE PLAN
1/8" = 1'-0"

3 A1.01 TYPICAL WALL TYPE
1 1/2" = 1'-0"

4 A1.01 TYPICAL STAIR DETAIL
1" = 1'-0"

5 A1.01 TYPICAL HANDRAIL DETAILS
1 1/2" = 1'-0"

6 A1.01 ADA BATHROOM CLEARANCES
1/2" = 1'-0"

REGISTERED ARCHITECT WILLIAM KENNETH HOPKINS No. 2080 STATE OF MAINE
Date: 11/15/16

Prepared For:

Consultant:

Architect: ARCHETYPE
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project: OPEN BENCH
10 THOMPSON'S POINT PORTLAND, ME

Revisions:
7-15-2016 SUBMISSION TO CITY
11-4-2016 RESPONSES TO CITY

Scale: AS NOTED

Date: 6-29-2016

FLOOR PLAN & DETAILS

A1.01