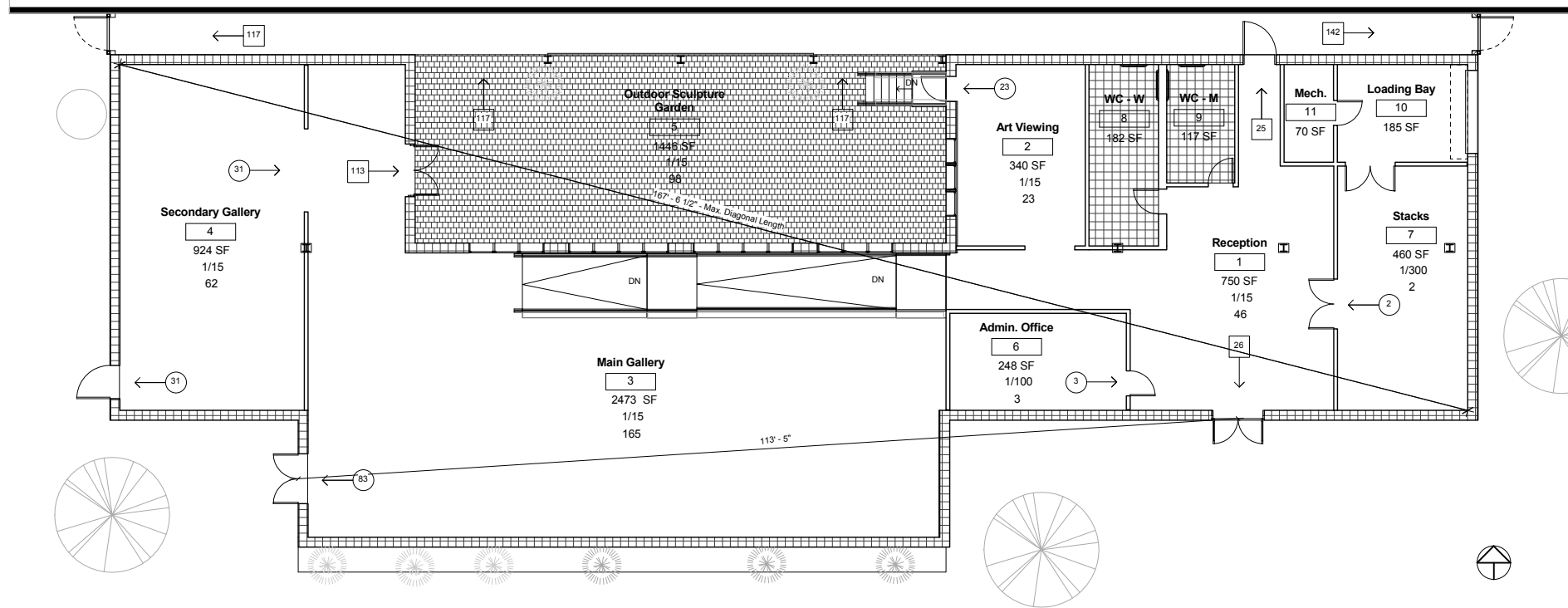
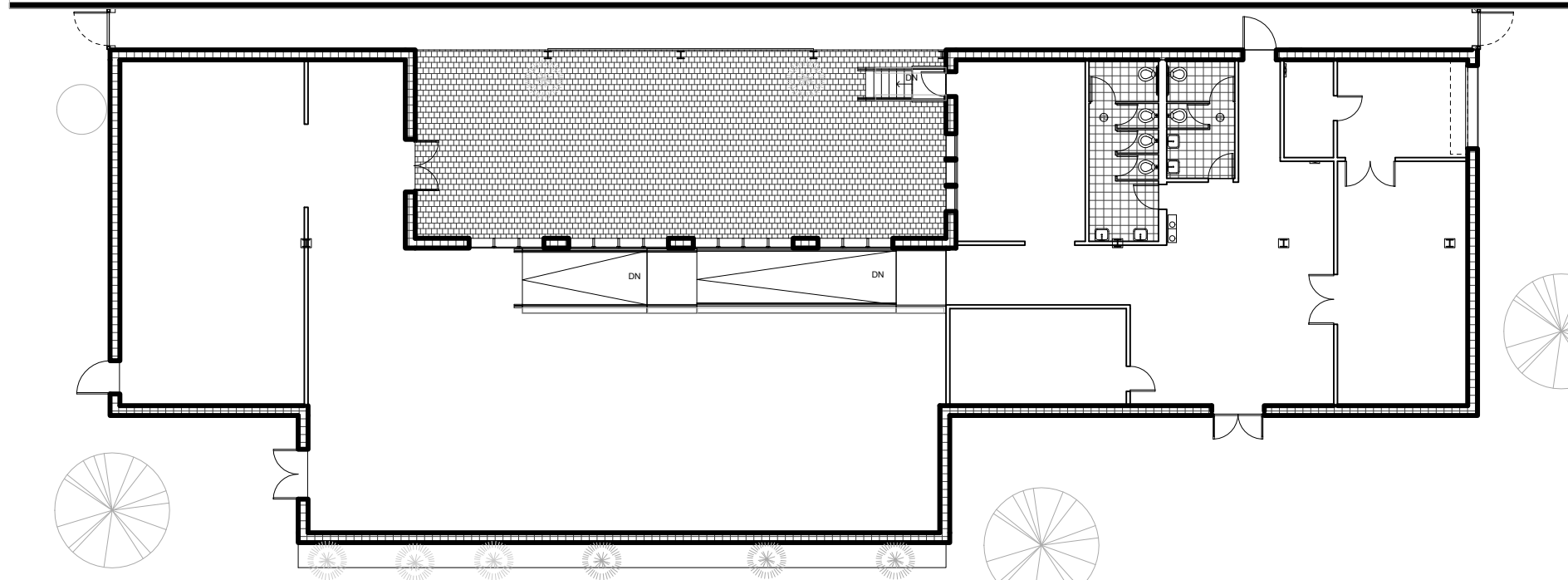


Brittany Wong / Clay Calkins / Kelly Rehm

PROJECT: Chroma Gallery
LOCATION: 427 North 9th Avenue, Tucson, AZ
LOT PARCEL: 0390



1 Egress Diagram Plan - Separation of Exits
1/8" = 1'-0"



2 Wall Ratings Plan
1/8" = 1'-0"

RECEPTION

OCCUPANT TYPE: A-3 ASSEMBLY
TOTAL NET AREA = 683 SF / 15
TOTAL OCCUPANTS = 46
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 46 = 9.2 INCHES
EGRESS STAIR WIDTH = 0.3 X 46 = 13.8 INCHES

EGRESS WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
STAIR WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
MAX. DISTANCE OF TRAVEL: 250' SPRINKLERED
MAX. COMMON EGRESS PATH: 30'

ART VIEWING ROOM

OCCUPANT TYPE: A-3 ASSEMBLY
TOTAL NET AREA = 343 SF / 15
TOTAL OCCUPANTS = 23
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 23 = 4.6 INCHES
EGRESS STAIR WIDTH = 0.3 X 23 = 6.9 INCHES

EGRESS WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
STAIR WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
MAX. DISTANCE OF TRAVEL: 250' SPRINKLERED
MAX. COMMON EGRESS PATH: 30'

MAIN GALLERY

OCCUPANT TYPE: A-3 ASSEMBLY
TOTAL NET AREA = 2473 SF / 15
TOTAL OCCUPANTS = 165
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 165 = 33 INCHES
EGRESS STAIR WIDTH = 0.3 X 165 = 54.45 INCHES

EGRESS WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
STAIR WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
MAX. DISTANCE OF TRAVEL: 250' SPRINKLERED
MAX. COMMON EGRESS PATH: 250'

SECONDARY GALLERY

OCCUPANT TYPE: A-3 ASSEMBLY
TOTAL NET AREA = 924 SF / 15
TOTAL OCCUPANTS = 62
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 62 = 12.4 INCHES
EGRESS STAIR WIDTH = 0.3 X 62 = 18.6 INCHES

EGRESS WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
STAIR WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
MAX. DISTANCE OF TRAVEL: 250' SPRINKLERED
MAX. COMMON EGRESS PATH: 100'

OUTDOOR SCULPTURE GARDEN

OCCUPANT TYPE: A-3 ASSEMBLY
TOTAL NET AREA = 1466 SF / 15
TOTAL OCCUPANTS = 98
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 98 = 19.6 INCHES
EGRESS STAIR WIDTH = 0.3 X 98 = 29.4 INCHES

EGRESS WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
STAIR WIDTH IS MINIMUM 44" EACH AS OCCUPANCY IS OVER 50
MAX. DISTANCE OF TRAVEL: 200' UNSPRINKLERED
MAX. COMMON EGRESS PATH: 30'

ADMINISTRATION OFFICE

OCCUPANT TYPE: B BUSINESS
TOTAL NET AREA = 248 SF / 100
TOTAL OCCUPANTS = 3
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 3 = 0.6 INCHES
EGRESS STAIR WIDTH = 0.3 X 3 = 0.9 INCHES

EGRESS WIDTH IS MINIMUM 36" EACH AS OCCUPANCY IS UNDER 50
STAIR WIDTH IS MINIMUM 36" EACH AS OCCUPANCY IS UNDER 50
MAX. DISTANCE OF TRAVEL: 300' SPRINKLERED
MAX. COMMON EGRESS PATH: 100'

STACKS

OCCUPANT TYPE: S-1 MODERATE HAZARD STORAGE
TOTAL NET AREA = 461 SF / 300
TOTAL OCCUPANTS = 2
MINIMUM 2 MEANS OF EGRESS REQUIRED:
EGRESS WIDTH = 0.2 X 2 = 0.4 INCHES
EGRESS STAIR WIDTH = 0.3 X 2 = 0.6 INCHES

EGRESS WIDTH IS MINIMUM 36" EACH AS OCCUPANCY IS UNDER 50
STAIR WIDTH IS MINIMUM 36" EACH AS OCCUPANCY IS UNDER 50
MAX. DISTANCE OF TRAVEL: 250' SPRINKLERED
MAX. COMMON EGRESS PATH: 100'

SEPARATION OF EXITS

TOTAL DIAGONAL LENGTH OF OF BUILDING: 167'-6.5"
MIN. LENGTH OF SEPARATION: 167'-6.572 = 83'-9.24" ~ 84'

LEGEND

Reception	ROOM NAME
1	ROOM NUMBER
743 SF	ROOM AREA
1/15	OCCUPANT LOAD
46	MAX. OCCUPANCY
← 2	NUMBER OF OCCUPANTS IN A SPECIFIC AREA WITH ARROW INDICATING DIRECTION OF EGRESS
← 34	NUMBER OF OCCUPANTS COMBINED FROM A NUMBER OF SPECIFIC AREAS
—	ONE-HOUR RATING
==	TWO-HOUR RATING

No.	Description	Date
1	10% Submission	2/15/10
2	35% Submission	3/10/10
3	65% Submission	4/5/10
4	100% Submission	4/23/10

ARC 441: Construction Documents
Prof. Dickinson & Hwang
Chroma Gallery
Egress/Life Safety

Project Number	4
Date	April 23, 2010
Drawn by	Author

G1.02

Scale	1/8" = 1'-0"
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