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NET BUILDING AREA:

NET BUILDING AREA		
EXISTING BLDG.		
ROOM #	ROOM NAME	GROSS SQ. FT.
	APPARATUS BAY	2816
	BUILDING	5335
	TOTAL	8151
ACTUAL BLDG.		
ROOM #	ROOM NAME	GROSS SQ. FT.
101	APPARATUS BAY	3315
102	CLEAN RM	85
104	MECANICAL RM	335
105	AXI. GENERATOR	67
106	VENDING AREA	45
107	STORAGE	70
201	LOUNGE	852
202	KITCHEN	358
203	DOEMITORY	600
204	LOCKER RM	550
205	CREW REST RM	180
206	WOMAN'S REST RM	100
207	SHIEF/CAPTAIN RM	278
208	STUDY RM.	140
209	CAPTAIN'S RM	98
210	CAPTAIN'S RM	98
211	CAPTAIN QRTS	205
212	OFFICER REST RM	80
213	MOP RM	157
214	STAIR LANDING	155
215	STORAGE	36
216	CORRIDOR	107
001	WATCH OFFICE	259
002	MECHANICAL RM	165
	TOTAL	8335

CAPTAIN'S ROOM

CODE ANALYSIS - FIRE STATION 20

APPLICABLE BUILDING CODES:

1. 2003 INTERNATIONAL BUILDING CODE
2. 2003 INTERNATIONAL FIRE CODE
3. 2000 UNIFORM MECHANICAL CODE
4. 2000 UNIFORM PLUMBING CODE
5. 2002 NATIONAL ELECTRICAL CODE
6. 2000 INTERNATIONAL ENERGY CONSERVATION CODE
7. SIGN CODE
8. TEXAS ACCESSIBILITY STANDARDS
9. AMERICANS WITH DISABILITIES ACT

OCCUPANCY TYPE:

GROUP B FIRE STATION

CONSTRUCTION TYPE:

TYPE II B

HEIGHT AND NUMBER OF STORIES:

IBC TABLE 503 - MAXIMUM HEIGHT OF BUILDINGS

OCCUPANCY	B
CONSTRUCTION TYPE	II-B
BASIC HEIGHT ALLOWABLE(IN STORIES)	4
INCREASE SPRINKLERS ALLOWABLE(IN STORIES)	-
SUBTOTAL (IN STORIES)	4
MAX. HEIGHT ALLOWABLE(IN FT.)	65

LOCATION OF PROPERTY:

BUILDING/ OCCUPANCY	NO. OF OPEN SIDES	NORTH	SOUTH	EAST	WEST
FIRE STATION	4	35'-0"	107'-5"	0'-0"	32'-0"

ALLOWABLE FLOOR AREA:

IBC TABLE 5-B

BASIC ALLOWABLE AREA (SF)	23,000
EXISTING BUILDING (SF)	8151
ACTUAL (SF)	8335

FIRE PROTECTION REQUIREMENT:

FIRE RESISTIVE REQUIREMENTS
IBC TABLE 601
TYPE II-B

BUILDING COMPONENT	PROTECTION RATING
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
EXTERIOR NON-BEARING WALLS	≥10=0
STRUCTURAL FRAME	0
PARTITIONS PERMANENT	0
SHAFT ENCLOSURES	0
FLOORS	0
ROOFS	0
EXTERIOR DOORS / WINDOWS	≥10=0
STAIRWAY CONSTRUCTION	N/A
AREA SEPARATION WALLS	1 HR
EXIT CORRIDOR WALLS	0
EXIT CORRIDOR DOORS	NON RATED
EXIT CORRIDOR WINDOWS	NON RATED
EXIT ENCLOSURE	N/A
EXIT ENCLOSURE OPENINGS	NOT REQUIRED
NUMBER OF EXITS	1-500=2
EXIT ACCESS TRAVEL DISTANCE	200 FT

OCCUPANT LOAD/ MEANS OF EGRESS:

ACCESSORY USE AREAS (OFFICES, RESTROOMS, MECHANICAL ROOMS) THAT ORDINARILY ARE USED ONLY BY PERSONS WHO OCCUPY THE MAIN AREAS OF AN OCCUPANCY SHALL BE PROVIDED WITH MEANS OF EGRESS AS THOUGH THEY ARE COMPLETELY OCCUPIED, BUT THEIR OCCUPANT LOAD NEED NOT BE INCLUDED WHEN COMPUTING THE TOTAL OCCUPANT LOAD OF THE BUILDING. THE FOLLOWING TABLE DOES INCLUDE THE ACCESSORY USE AREAS MENTIONED ABOVE.

A. OCCUPANT LOAD

IBC TABLE 1003.2.2.2

B. OCCUPANCIES

SPACE OR ROOM	GROSS FLOOR AREA (SF)	OCCUP. LOAD FACTOR (OLF)	OCCUP. LOAD (SF/OLF)	ACTUAL OCCUPANCY
(ACTUAL) DORMITORY	600	50	12	11
(ACTUAL) CAPTAIN	98	50	1	1
(ACTUAL) CAPTAIN	98	50	1	1
(ACT.) SHIEF/CAPTAIN	278	50	5	1
		TOTAL:	19	14

B. EXIT WIDTH REQUIREMENTS

OCCUPANT LOAD FOR 100: TOTAL OCCUPANT LOAD FOR EXIT CALCULATIONS. EXIT WIDTH CALCULATIONS REQUIRED: 100x.2=20 CLEAR WIDTH IN INCHES (25.25 L.F.) OF EXIT DOORS REQUIRED. PROVIDE MINIMUM OF 3'-0"x6'-8" DOOR AND 32-INCHES CLEAR WIDTH SWING IN DIRECTION OF TRAVEL.

C. EXIT CORRIDORS:

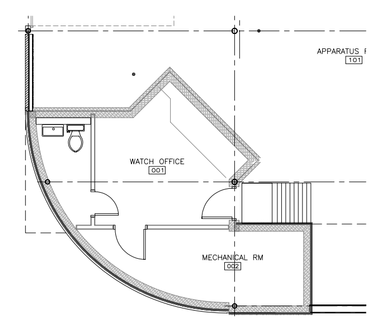
MINIMUM WIDTH: 44 INCHES
MINIMUM HEIGHT: 7 FEET
EXTRA STAIRS: ADDITIONAL STAIRS

D. PANIC HARDWARE: SECTION 1007.3.10

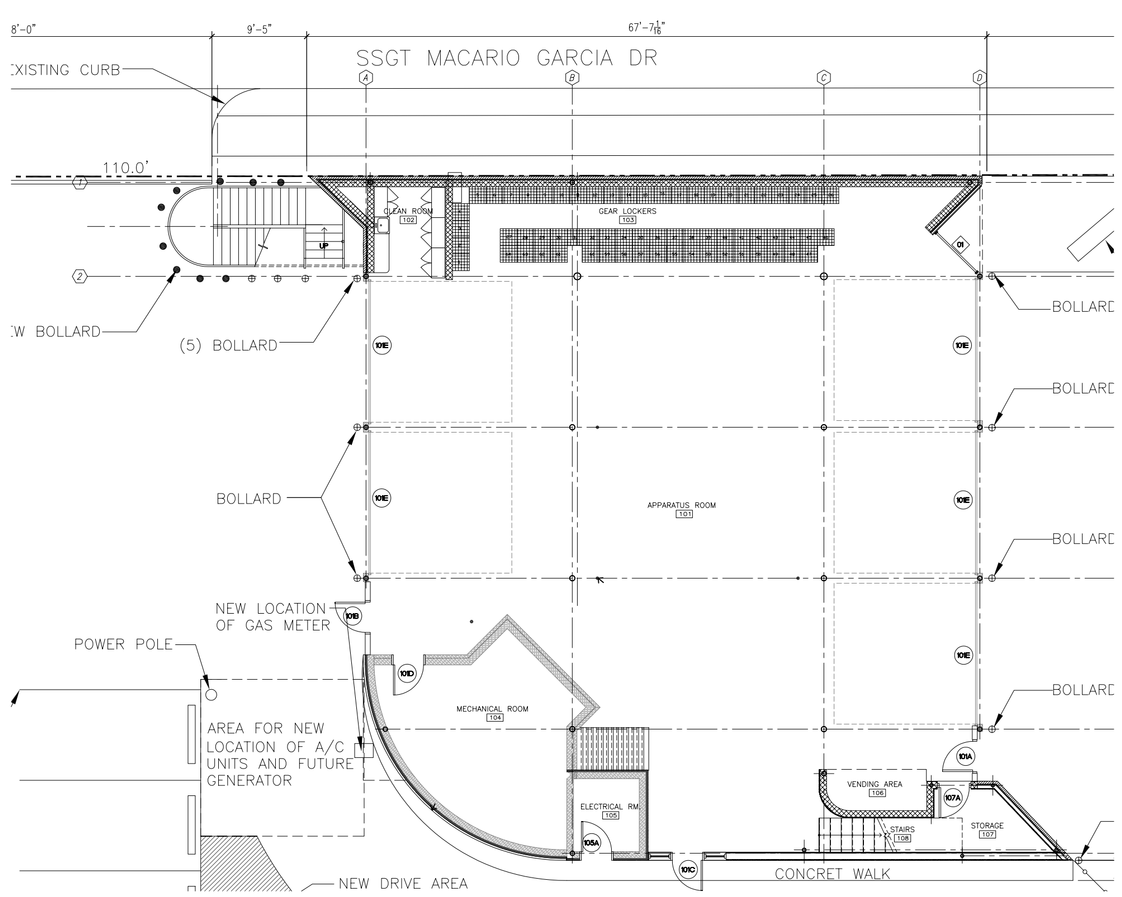
EXIT DOORS SERVING AN OCCUPANT LOAD OF 50 OR MORE SHALL NOT BE EQUIPPED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE.

PLUMBING FIXTURE. SCHEDULE:

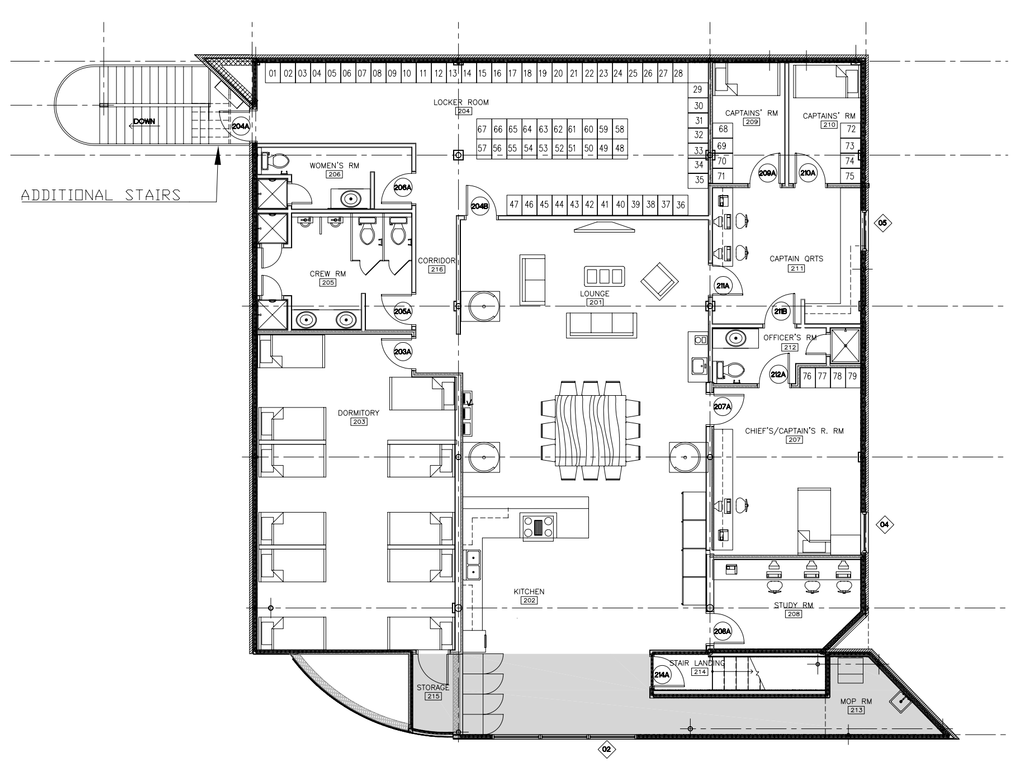
PLUMBING FIXTURE	MALE		FEMALE		UNISEX	
	REQ.	PROVIDED	REQ.	PROVIDED	REQ.	PROVIDED
WATER CLOSET	1	3 EXISTING	1	1 PROVIDED	-	1 PROVIDED
URINAL	-	2 EXISTING	-	-	-	-
LAVATORY	1	3 EXISTING	1	1 PROVIDED	-	-
BATHTUB/ SHOWER	-	3 EXISTING	-	1 PROVIDED	-	-
DRINKING FOUNTAIN	0		0			
SERVICE SINK	1		1 PROVIDED			



C1 MEZZANINE PLAN
SCALE: 3/32"=1'-0"



C1 FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



C1 SECOND FLOOR PLAN
SCALE: 3/32"=1'-0"

ISSUE LOG

NO.	DATE	DESCRIPTION
1	04/07/09	ISSUE FOR BID
2	04/07/09	ISSUE FOR PERMIT
3		
4		
5		
6		

CONSULTANT(S) :

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TELEPHONE: 713-975-9525
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SEAL(S) :

REGISTERED ARCHITECT CAROLINA WEITZMAN 04/09/09 15620 STATE OF TEXAS

PROJECT NAME :

FIRE STATION 20 RENOVATIONS

HOUSTON, TEXAS

CITY OF HOUSTON
GENERAL SERVICES DEPARTMENT

REVIEWED :

PROGRAM MANAGER — SPONSORING DEPARTMENT
PROJECT MANAGER

OTHER APPROVALS :

WATER ENGINEERING — TRAFFIC AND TRANSPORTATION
WASTEWATER ENGINEERING — STREET, BRIDGE & ROW ENGINEERING
STORMWATER ENGINEERING — PLANNING & DEVELOPMENT

CITY ENGINEER — DATE
DIRECTOR, DEPT. OF PUBLIC WORKS & ENGINEERING — DATE

DATE : 03/10/09
W.B.S. No : D-000000-0000-0
SCALE : AS SHOWN
DRAWN BY : YA
CHECKED BY : CAROLINA WEITZMAN

SHEET TITLE :
INDEX AND PROJECT DATA SHEET

SHEET NO. : **G-002**
02 OF XX SHEETS

CITY DWG. NO. :

DESIGN FILE:

CAD FILE :