

SCOPE OF WORK: THIS APPLICATION IS FOR THE RENOVATION AND CHANGE HEALTH CLUB.
 VIRGINIA. THE BUILDING IS CURRENTLY PERMITTED AS AN A-1 (ASSEMBLY - THEATRE)
 AND THIS PLAN PROPOSES TO RECLASSIFY THE BUILDING AS AN A-3 (ASSEMBLY

DESIGN CODES
 1) CURRENT EDITION OF IRC (BUILDING, MECHANICAL, & PLUMBING)
 2) CURRENT EDITION OF U.S.B.C. AND APPLICABLE AMENDMENTS.
 3) CURRENT EDITION OF NATIONAL ELECTRICAL CODE.

USE GROUP = A-3 (ASSEMBLY)
 CONSTRUCTION TYPE = 2B
 HEIGHT LIMIT = 2 STORY AND 55'
 EXISTING HEIGHT = 1 STORY AND 24'
 AREA LIMIT SPRINKLED = 38,000 SQ.FT. (PER 506.3)
 EXISTING BUILDING FIRST FLOOR = 13,042 SQ.FT.
 PROPOSED BUILDING FIRST FLOOR = 13,042 SQ.FT.

AUTOMATIC SPRINKLER SYSTEM
 TO BE PROVIDED BY SPRINKLER ENGINEER.
 FIRE ALARM & DETECTION SYSTEM
 TO BE PROVIDED IN STRUCTURE. PLANS UNDER SEPARATE COVER.

OCCUPANT LOAD
 B USE AREAS = 414 SF / 100 SF / OCCUPANT = 4 OCCUPANTS
 A USE AREAS = 10,331 SF. / 50 SF / OCCUPANT = 206 OCCUPANTS
 MISC. (RESTROOM, LOCKERS) = 21 OCCUPANTS
 TANNING ROOMS = 3 OCCUPANTS
 TOTAL = 234 OCCUPANTS

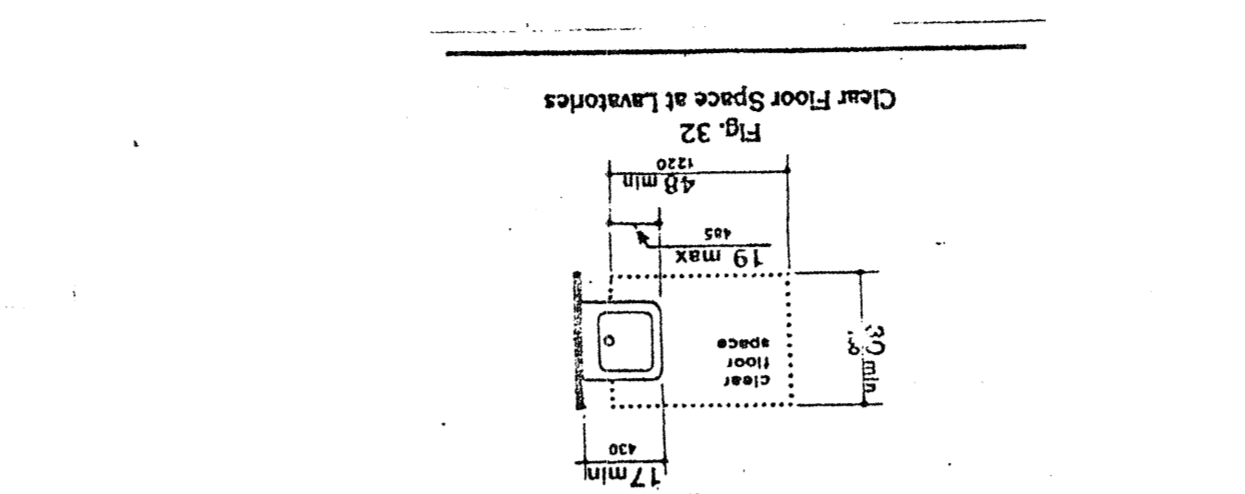
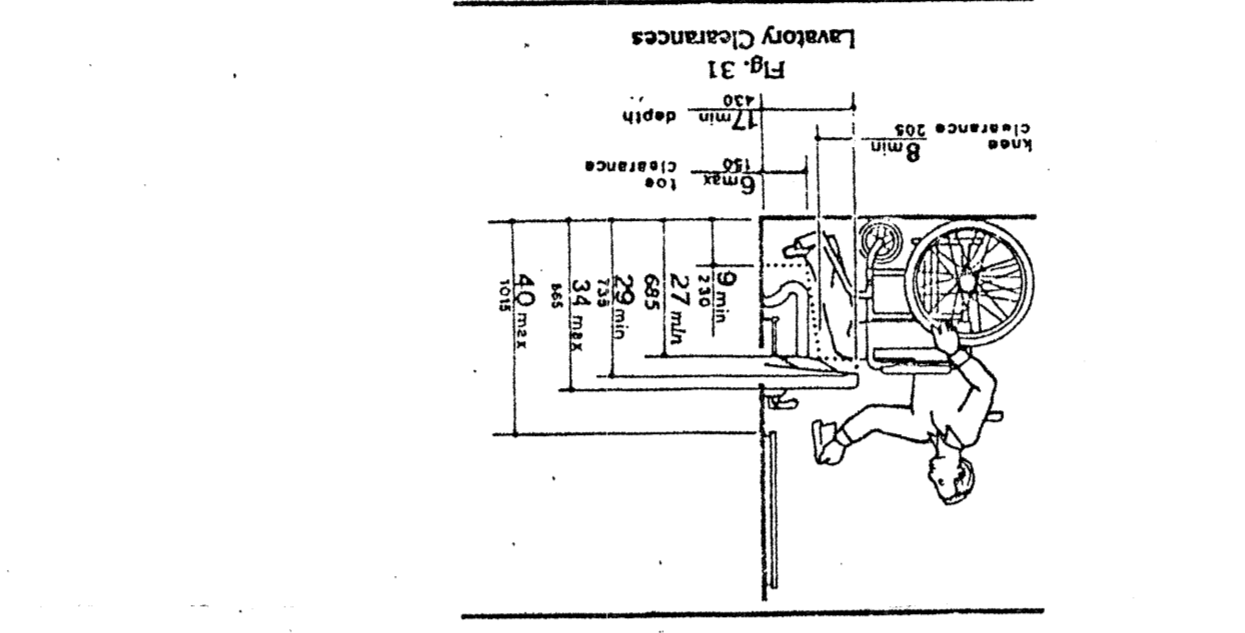
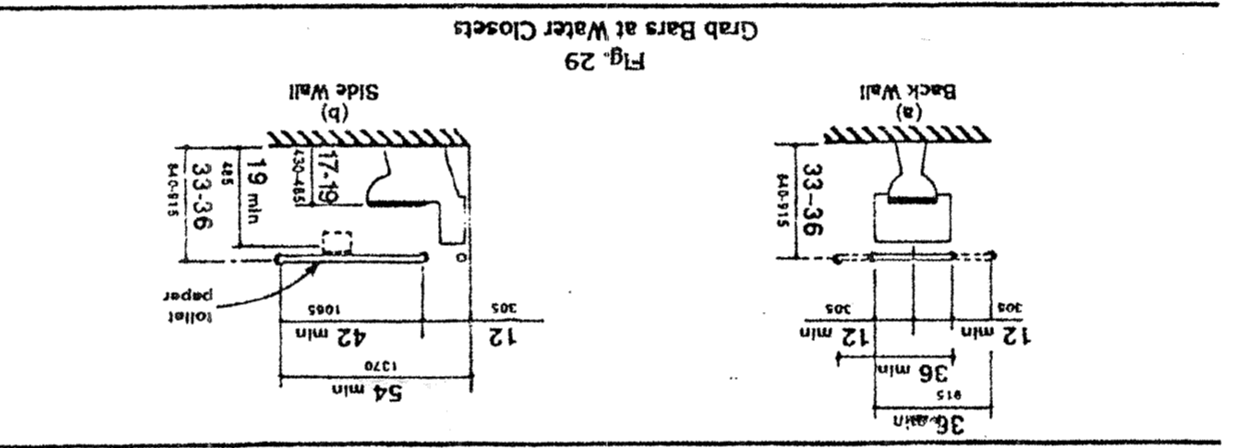
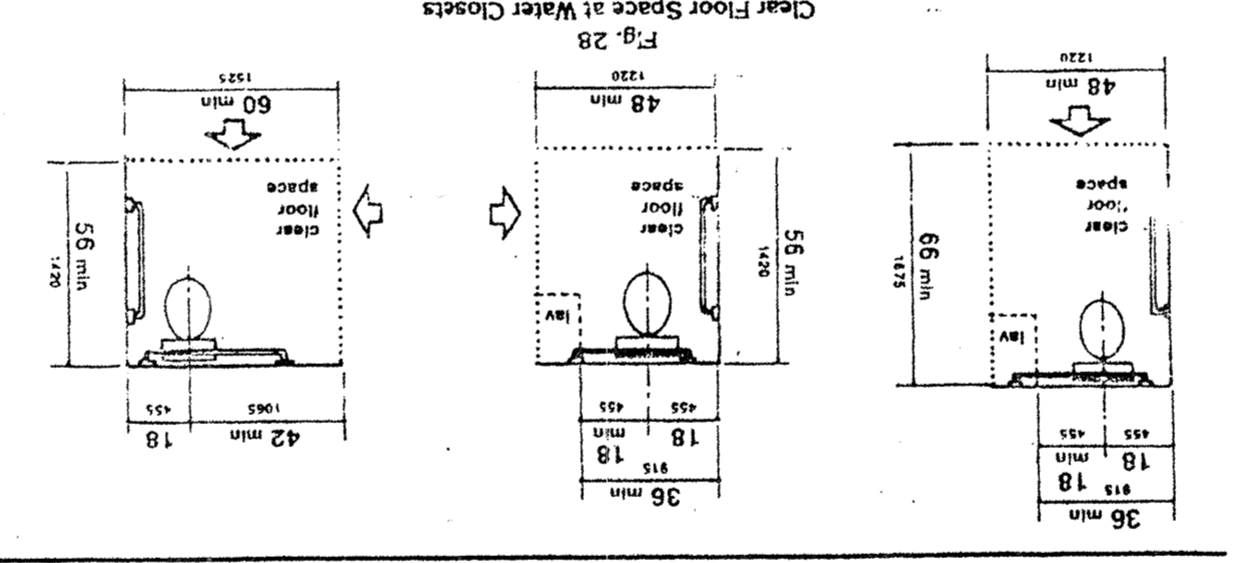
PLUMBING FACILITIES
 234 OCCUPANTS = 4 REQUIRED
 PROVIDED = 7
 LAVATORIES
 234 OCCUPANTS = 2 REQUIRED
 PROVIDED = 7
 HANDICAP FACILITIES
 EXISTING = 2
 WATER FOUNTAIN
 1 REQUIRED AND BOTTLED WATER TO BE PROVIDED
 SERVICE SINK
 1 REQUIRED AND 1 PROVIDED

DESIGN LOADS
 WIND SPEED = 90 MPH
 ROOF LIVE & SNOW = 30 PSF
 ATTIC LIVE (BOTTOM CHORD) = 20 PSF
 ROOF DEAD (TOP CHORD) = 7 PSF
 FIRST FLOOR LIVE = 250 PSF
 SOIL BEARING VALUE (ASSUMED) = 2,000 PSF

EXIT CALCULATIONS
 NUMBER EXITS REQUIRED = 2
 NUMBER EXITS PROVIDED = 4
 EXIT WIDTH REQUIRED = 234 X 0.19 IN = 36 IN.
 EXIT WIDTH PROVIDED = 180 IN.
 MAXIMUM ALLOWABLE EXIT TRAVEL DISTANCE = 250 FT.
 MAXIMUM TRAVEL DISTANCE PROVIDED = 98 FT.
 INTERIOR FINISHES
 INTERIOR WALL AND CEILING FINISHES TO BE CLASS B
 IN ALL EXIT ACCESS CORRIDORS AND OTHER EXITS AND
 IN ALL EXIT ACCESS CORRIDORS AND ENCLOSED SPACES
 CLASS C IN ALL ROOMS AND ENCLOSED SPACES.
 INTERIOR FLOOR FINISHES TO BE CLASS II IN ALL EXIT
 PASSAGEWAYS AND EXIT ACCESS CORRIDORS.
 ALL HARDWARE TO COMPLY WITH CHAPTER 10 OF THE IRC.



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ISSUED
 02-03-05

ENGINEER/DESIGNER
 GEORGE S. STEPHENSON, P.E.
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TYPED CONSTRUCTION
 SHEET
 24
 CUIPPEPER, VA 22701
 (540)825-9007

SPECIFICATION SHEET
 1/4"-1'-0"

GOLDS GYM
 WARRENTON, VA

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