CODE DATA (NFPA IOI CHAP 7) (NFPA IOI CHAP IO) ALLOWABLE REDUCTION W/ REQUIRED PROJECT DESCRIPTION: **INTERIOR FINISH REQUIREMENTS:** FIRE RESISTANCE REQUIREMENTS: SPRINKLER SYSTEM XISTING BUILDING EXIT STAIRS AND EXIT CORRIDORS ON FIRST AND MASONRY VENEER OVER CONCRETE STRUCTURE -INTERIOR EXIT STAIRWAYS, RAMPS & PASSAGEWAYS BUILDING ELEMENTS (NFPA 101 CHAPTER 8) SECOND FLOOR ARE AS BUILT EXISTING TO REMAIN GROUP A-3 CLASS B PRIMARY STRUCTURAL FRAME: CLASS B I HOUR GROUP B TYPICAL OCCUPANT LOAD 4 + MEZZANINE LEVEL - EXISTING TO REMAIN NO. OF STORIES AT OR ABOVE GRADE CLASS C SUPPORTING ROOF ONLY I HOUR ACCESSORY STORAGE AREAS, MECHANICAL/EQUIPMENT 300 GROSS SF PER OCCUPANT I - EXISTING TO REMAIN CORRIDORS & ENCLOSURES FOR EXIT ACCESS STAIRWAYS & RAMPS NO. OF STORIES BELOW GRADE EXTERIOR WALLS: ASSEMBLY - CHAIRS ONLY 7 NET SF PER OCCUPANT EXISTING TO REMAIN CLASS B BUILDING HEIGHT GROUP A-3 BEARING 2 HOUR **BUSINESS AREAS** 100 GROSS SF PER OCCUPANT EXISTING TO REMAIN NONBEARING BY FIRE SEPARATION DISTANCE BUILDING AREA GROUP B CLASS B FIRST FLOOR EXISTING TO REMAIN GROUP S CLASS B 0' TO 5' I HOUR CAPACITY & EXIT WIDTH SECOND FLOOR EXISTING TO REMAIN ROOMS # ENCLOSED SPACES 5' TO 10' I HOUR STAIRWAYS 0.3" PER OCCUPANT APPROX 6875 SF (WEST WING) 3RD FLOOR (AREA OF WORK) (WEST WING) 10' TO 30' I HOUR GROUP A-3 CLASS C OTHER EGRESS COMPONENTS 0.2" PER OCCUPANT GROUP B CLASS C OVER 30' O HOUR FULLY SPRINKLERED AUTOMATIC SPRINKLER SYSTEM INTERIOR WALLS: GROUP S CLASS C DOOR WIDTH BEARING MINIMUM WIDTH I HOUR 2 HOUR MAXIMUM WIDTH BUILDING ENVELOPE DESIGN REQUIREMENTS: SUPPORTING ROOF ONLY I HOUR APPLICABLE CODES NONBEARING WALLS O HOUR STAIRWAY WIDTH FLOOR CONSTRUCTION: MINIMUM WIDTH 2015 INTERNATIONAL MECHANICAL CODE INSULATION ENTIRELY ABOVE DECK R-20 ci TYPICAL 2 HOUR LESS THAN 50 OCCUPANTS 2015 INTERNATIONAL PLUMBING CODE WALLS (ABOVE GRADE) ROOF CONSTRUCTION: 2015 INTERNATIONAL ENERGY CODE R-9.5 cı TYPICAL I HOUR 2014 NATIONAL ELECTRICAL CODE METAL FRAMED R-13 + R-7.5 cı 20' OR MORE ABOVE FLOOR BELOW I HOUR MEANS OF EGRESS RAMP PER 1012.1 2015 INTERNATIONAL FUEL GAS CODE WALLS (BELOW GRADE) RAMP BETWEEN HANDRAILS 2015 INTERNATIONAL FIRE CODE NOT REQUIRED MASS SHAFT ENCLOSURES NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS SLAB ON GRADE FLOORS NOT REQUIRED 4 STORIES OR MORE 2 HOUR ASSEMBLY COMMON PATH OF TRAVEL NFPA 14, STANDPIPE \$ HOSE SYSTEM OPAQUE DOORS 3 STORIES OR LESS I HOUR ASSEMBLY ASSEMBLY OCCUPANCY NFPA 72, NATIONAL FIRE ALARM CODE U-0.70 SWINGING (ASSEMBLY) BUSINESS OCCUPANCY 100' AMERICANS with DISABILITY ACT (ADA) - ICC/ANSI 117.1-2009 ROLLING (ASSEMBLY) U-0.50 **CORRIDOR WALLS:** FENESTRATION - METAL FRAMING SEISMIC DESIGN CATEGORY =A CURTAIN WALL / STOREFRONT U-0.50 MINIMUM NUMBER OF EXITS FIRE PARTITIONS - CORRIDOR WALLS (NFPA 101 TABLE ENTRANCE DOOR U-0.85 O HOUR I HOUR I-49 OCCUPANTS 8.3.4.2) ALL OTHERS U-0.55 49-500 OCCUPANTS 2 EXITS 501-1,000 OCCUPANTS 3 EXITS MORE THAN 1,000 OCCUPANTS 4 EXITS FIRE RESISTANCE REQUIREMENTS @ TRAVEL DISTANCE ASSEMBLY OCCUPANCY 250' **OPENINGS:** BUSINESS OCCUPANCY 300' TYPE OF CONSTRUCTION, BUILDING HEIGHT & AREA: PLUMBING FIXTURE COUNTS: OPENING PROTECTIVES (NFPA 101 TABLE 8.3.4.2) DEAD ENDS FIRE WALLS & FIRE BARRIERS ASSEMBLY OCCUPANCY TYPE IB (EXISTING NON-COMBUSTIBLE) (FULLY MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES 4 HOUR ASSEMBLY 3 HOUR ASSEMBLY BUSINESS OCCUPANCY SPRINKLERED) 3 HOUR ASSEMBLY 3 HOUR ASSEMBLY ALLOWABLE HEIGHT (IBC TABLE 504.3 AND SECTION 504) EXISTING TO REMAIN - NO INCREASE IN HEIGHT ASSEMBLY OCCUPANTS = 119 occ (ACTUAL: 70 occ) 2 HOUR ASSEMBLY I I/2 HOUR ASSEMBLY CORRIDOR WIDTH EXISTING TO REMAIN - NO INCREASE IN AREA ALLOWABLE AREA (IBC TABLE 506.2) BUSINESS OCCUPANTS = 34 occ I I/2 HOUR ASSEMBLY I I/2 HOUR ASSEMBLY MINIMUM WIDTH ALLOWABLE AREA INCREASE (IBC SECTION 50G) EXISTING TO REMAIN - NO INCREASE IN AREA SHAFT, EXIT ENCLOSURES & EXIT PASSAGEWAY ACCESS TO EQUIPMENT ALLOWABLE AREA INCREASE (IBC SECTION 506) EXISTING TO REMAIN - NO INCREASE IN AREA MALE/FEMALE FEMALE 2 HOUR ASSEMBLY I I/2 HOUR ASSEMBLY MALE LESS THAN 50 OCCUPANTS TOTAL ALLOWABLE AREA (W/INCREASES SECTION 50G) EXISTING TO REMAIN - NO INCREASE IN AREA FIRE BARRIERS ENCLOSURES FOR SHAFTS & EXIT ACCESS I HOUR ASSEMBLY I HOUR ASSEMBLY ASSEMBLY (A-3) **OCCUPANCY CLASSIFICATION:** I PER 150 I PER 75 OTHER FIRE BARRIERS WATER CLOSETS EGRESS EXIT CALCULATION: (NFPA 101 CHAP 13) I HOUR ASSEMBLY 3/4 HOUR ASSEMBLY LAVATORIES I PER 200 PRIMARY OCCUPANCY CLASSIFICATIONS (NFPA 101 6.1.14.2.2) OTHER FIRE PARTITIONS DRINKING FOUNTAIN I PER 1000 EXISTING BUILDING OCCUPANCY IS INSTITUTION GROUP I-2 I HOUR ASSEMBLY 3/4 HOUR ASSEMBLY SERVICE SINK 1/2 HOUR ASSEMBLY 1/3 HOUR ASSEMBLY MIXED OCCUPANCIES BUSINESS = 42ocd.2" = 9" BUSINESS (B) EXTERIOR WALLS ASSEMBLY = 119occ/.3" = 36"I PER 25 FIRST 50 3 HOUR ASSEMBLY I I/2 HOUR ASSEMBLY WATER CLOSETS 2 HOUR ASSEMBLY I PER 50 OVER 50 I I/2 HOUR ASSEMBLY (2) EXIT STAIRS PROVIDED - EXISTING I HOUR ASSEMBLY 3/4 HOUR ASSEMBLY LAVATORIES I PER 40 FIRST 80 EGRESS LOAD = 163 occ / 0.3" = (49") STAIR WIDTH REQUIRED 1 PER 80 OVER 80 SMOKE BARRIERS DRINKING FOUNTAIN I HOUR ASSEMBLY 1/3 HOUR ASSEMBLY 1 PER 100 REQUIRED SEPARATION OF OCCUPANCIES: (NFPA 101 TABLE 6.1.14.4.1) EGRESS PROVIDED = STAIR | EXISTING = 60" (53" CLEAR BETWEEN HANDRAILS) SERVICE SINK STAIR 4 EXISTING = 54" (4 I " CLEAR BETWEEN HANDRAILS) FIRE DAMPERS MIXED OCCUPANCIES - NO SEPARATION REQUIRED TOTAL WIDTH PROVIDED (EXISTING) = 94" LESS THAN 3 HOUR ASSEMBLY I I/2 HOUR 3 HOUR OR GREATER ASSEMBLY TOTAL OCCUPANTS = 163 OCCUPANTS / 0.2" = 33" REQUIRED INTERIOR EXIT STAIRWAYS & RAMPS TOTAL WIDTH OF EGRESS PROVIDED 4 STORIES OR MORE 2 HOUR ASSEMBLY 3 STORIES OR LESS I HOUR ASSEMBLY OCCUPANCY LOAD CALCULATION: (NFPA 101 TABLE 7.3.1.2) EXIT PASSAGEWAYS (IBC 1024) I HOUR ASSEMBLY REQUIRED ASSEMBLY PROVIDED ASSEMBLY REQUIRED BUSINESS PROVIDED BUSINESS HORIZONTAL EXITS (IBC 1026) 2 HOUR ASSEMBLY BUSINESS GROUP "B" = 100 GROSS SQFT PER PERSON BUSINESS = 42occ/.2" = 9" ASSEMBLY GROUP "A-3" = 7 NET PER PERSON STORAGE GROUP "S" = 300 GROSS SQFT PER PERSON ASSEMBLY = 119occ/.3" = 36"WATER CLOSETS URINALS (2) EXIT STAIRS PROVIDED - EXISTING LAVATORIES EGRESS LOAD = 163 occ / 0.3" = (49") STAIR WIDTH REQUIRED THIRD FLOOR: AREA OF WORK AUTOMATIC SPRINKLER SYSTEMS (NFPA 13) EGRESS PROVIDED = STAIR | EXISTING = 60" (53" CLEAR BETWEEN HANDRAILS) WATER CLOSETS BUSINESS = 4159 SQFT / 100 = 41.59 occ (42)MONITORING (NFPA 72) STAIR 4 EXISTING = 54" (4 I " CLEAR BETWEEN HANDRAILS) LAVATORIES ASSEMBLY = 833 SQFT /7net = 119 occ (ACTUAL: 70 occ) ALARMS (NFPA 72) TOTAL WIDTH PROVIDED (EXISTING) = 94" STORAGE = $518 \, \text{SQFT} / 300 = 1.7 \, \text{occ} (2)$ FIRE EXTINGUISHERS (NFPA 101 \$ 10) DRINKING FOUNTAINS FIRE ALARM SYSTEMS (NFPA 101 \$ 72) TOTAL OCCUPANTS = 163 OCCUPANTS / 0.2" = 33" REQUIRED OTHER TOTAL OCCUPANTS = 163 OCCUPANTS SEE FIRE PROTECTION SHEETS FOR ADDITIONAL INFORMATION. TOTAL WIDTH OF EGRESS PROVIDED SERVICE SINK

16 Scale: 12" = 1'-0" Project Title Project Number ENGINEERS/CONSULTANTS: SEAL VA HEALTH CARE SYSTEM 438-16-104 2016.052 Owner **CODE DATA AND LIFE** SCI ENGINEERING, INC WOOLPERT, INC. THE ARCHITECT EXPRESSLY RESERVES
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