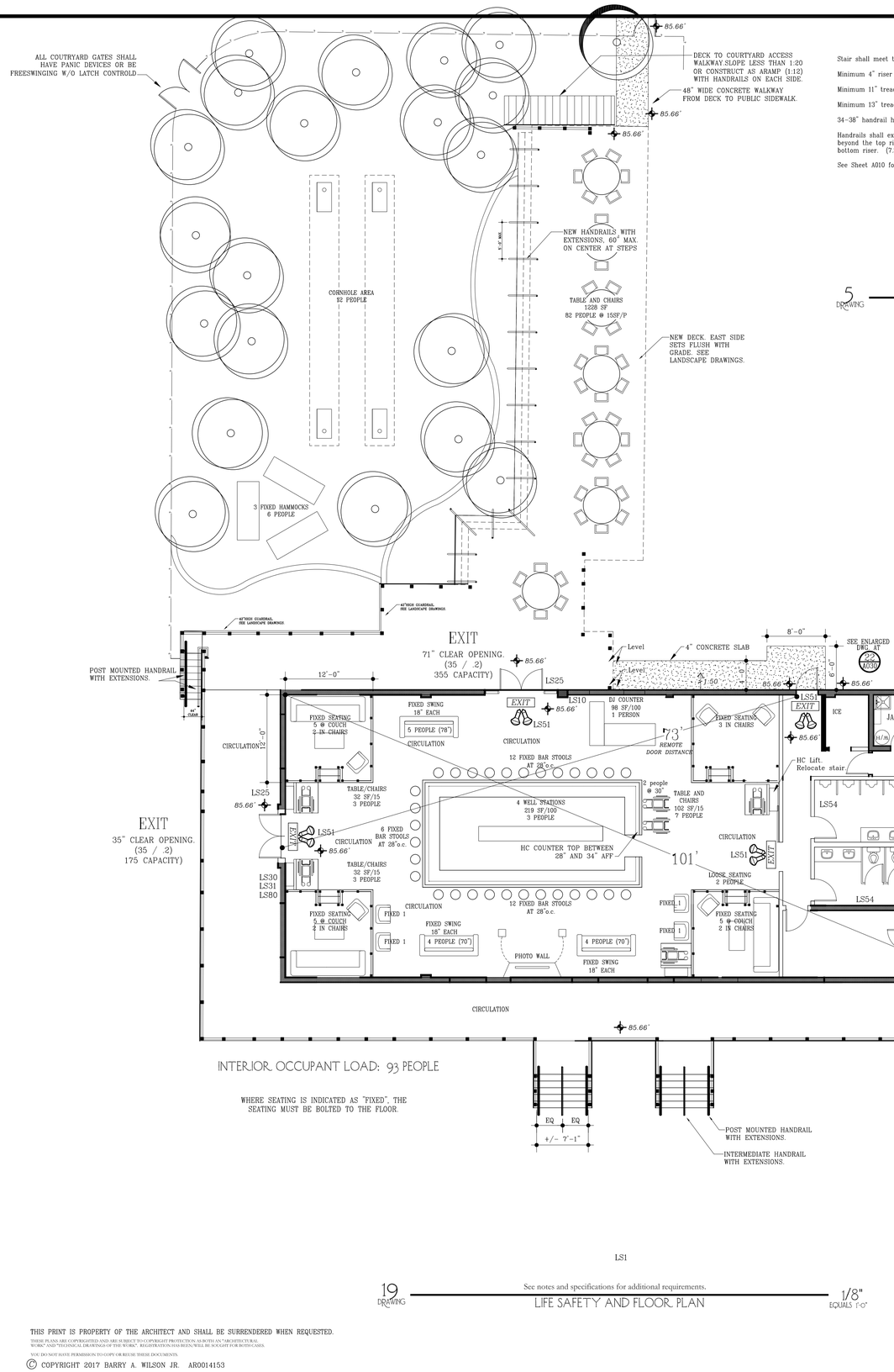



19 DRAWING — See notes and specifications for additional requirements. — LIFE SAFETY AND FLOOR PLAN — 1/8" EQUALS 1'-0"

Stair shall meet the following requirements (coordinate with Landscape Drawings):

Minimum 4" riser height – Maximum 7" riser height (Table 7.2.2.2.1.1(a))

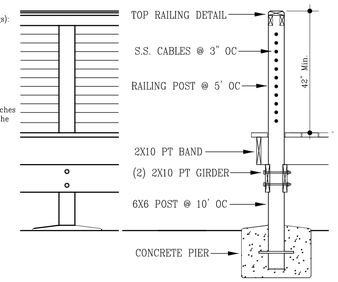
Minimum 11" tread depth (Table 7.2.2.2.1.1(a))

Minimum 13" tread depth if stairs do not exceed 21" in height (7.1.7.2.2)

34–38" handrail height (both sides of stairs) (7.2.2.4.4.1 & 7.2.2.4.1.1)

Handrails shall extend horizontally, at the required height, not less than 12 inches beyond the top riser and continue to slope for a depth of one tread beyond the bottom riser. (7.2.2.4.4.10)

See Sheet A010 for railing requirements.




5 DRAWING — Copied from Landscape Drawing Package. Dimension added. — EXISTING GUARDRAIL — 1/2" EQUALS 1'-0"

## COURTYARD OCCUPANT LOAD

| SPACE ID | FUNCTION OF SPACE | APROX. AREA OF SPACE | OCCUPANT LOAD FACTOR | SPACE OCCUPANT LOAD |
|---|---|---|---|---|
| COURTYARD DECK AREA | TABLES AND CHAIRS | 1228 SF | 15 SF/PERSON | 82 PEOPLE |
| HAMMOCK AND CORNHOLE AREA | FIXED EQUIPMENT | 1043 SF | 50 SF/PERSON (EXERCISE ROOMS) | 21 PEOPLE |
| REMAINING COURTYARD | TABLES AND CHAIRS | 3029 SF GROSS/2 50% FACTOR PER NOTE BELOW 15 SF/PERSON | | 101 PEOPLE |
| | | | TOTAL OCCUPANT LOAD AT COURTYARD | 204 |
| | | | EXIT CAPACITY AT MAIN COURTYARD ENTRY | 350 PEOPLE |
| | | | TOTAL EXIT CAPACITY FROM COURTYARD | 487 PEOPLE |

Table 1004.1.2 does now have a listing for Outdoor Areas. Section 1004.5 indicates it is to be assigned by the Building Official based upon anticipated use.

In assigning a number for your consideration, Interior Courtyards at schools, Section 453.18.1.6, allow 15/SF per person, with a deduction for dedicated raised planting areas.

This value was use for the remaining courtyard area, with the understanding that half this area is planted or has trees. 3029sf / 2 = 1515 sf. 1515 sf /15 sfp = 101 people.

This gives a total Courtyard load of 204. There are two exist indicated, a 6' gate (70"/.2 = 350 capacity) and a 44" stair off the deck at the road (41"/.3 = 137 capacity).

## LIFE SAFETY WORK NOTES

LS1 The existing drawing indicates that some Life Safety components are already in place. Verify the existing locations are correct, the components are operable, and the existing components meet or exceed the criteria listed for new like components. Replace existing components that do not meet the new criteria. Acceptable existing components may be reused or relocated.

LS10 Typical fire extinguisher location, Larson multi-purpose dry chemical MP10.

LS25 The exterior slab shall be set flush with the interior slab.

LS30 A Knox Box shall be installed on the exterior of the building, within 5' of the main entrance door. The mounting height shall not be greater than 60" above the finished floor. Copies of the keys shall be installed in the Knox Box.

LS31 Provide address signage meeting the following requirements: On the main entry, provide a minimum 6" address numbers. The number shall be placed to be plainly visible from the road and shall contrast with the background. This may be waived if the address numbers are illuminated on a sign separate from the building. Comply with NFPA 1, 10.13.1.2 & 10.13.1.2.1, Florida 2010 edition.

LS50 Provide emergency lighting at the locations indicated and as required to provide a minimum of 1 footcandle on all areas of the floor surface, in accordance with FBC 1006 and NFPA 101, 36.2.10 & 7.9.2.1, Florida 2010 Edition. Provide a photometric drawing of the emergency lighting levels at the floor, as required for permitting.

LS51 Provide exit signs and emergency lighting at all exterior doors, in accordance with FBC 1006.3 and NFPA 101, 36.2.10 & 7.9.2.1, Florida 2010 Edition. Exit signs shall be visible from all directions.

LS53 Provide both internally illuminated exit sign pointing in the direction of the exit and emergency lighting fixtures, per NFPA 1, 1.14.2, Florida 2010 Edition.

LS54 Provide emergency lighting at all restrooms, in accordance with FBC 1006 and NFPA 101, 36.2.10 & 7.9.2.1, Florida 2010 Edition.

LS80 The roof structure is of a light-frame truss type and be identified as required by FS 633.027(1). The structure shall be posted with signage meeting the requirements of the Florida Administrative Code, 69A-60.081, LIGHT FRAME ROOF only symbol. The symbol shall be placed within 24" to the left of the main entry, centered 60" AFF, permanently attached and on a contracting background.

LS90 Where mechanical, plumbing and electrical components penetrate a fire-rated assembly, provide fire-rated dampers at all ductwork, and seal all penetrations with a UL listed firestop system.

LS95 The occupant load sign shall be posted by in the interior of the building, near the main entry. Contact the Architect for the final sign text.

## LIFE SAFETY LEGEND

CLASS 6 +126+ 308 Square Feet. 15 People at 20 sf/person. Education. — Typical Room name and number, size, with calculated occupant load and activity.

78' — Typical travel distance and pathway to an exit.

EXIT 35" CLEAR OPENING. (35 / .2) 175 CAPACITY) — Typical exit clear width and calculated capacity.

FE — Typical fire extinguisher location,

Typical supplemental emergency lighting at the locations indicated and as required to provide a minimum of 1 footcandle on all areas of the floor surface.

EXIT — Typical exit signs and emergency lighting at all exterior doors.

EXIT — Typical internally illuminated exit sign pointing in the direction of the exit, per NFPA 1, 1.14.2, Florida 2010 Edition.

Typical emergency lighting at all restrooms.

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BARRY A. WILSON JR. AR0014153
TO THE BEST OF MY KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND FIRE SAFETY CODES AS DETERMINED BY THE LOCAL AUTHORITIES.

11 OCTOBER 2017
CONSTRUCTION DOCUMENTS

LIFE SAFETY PLAN
A050

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