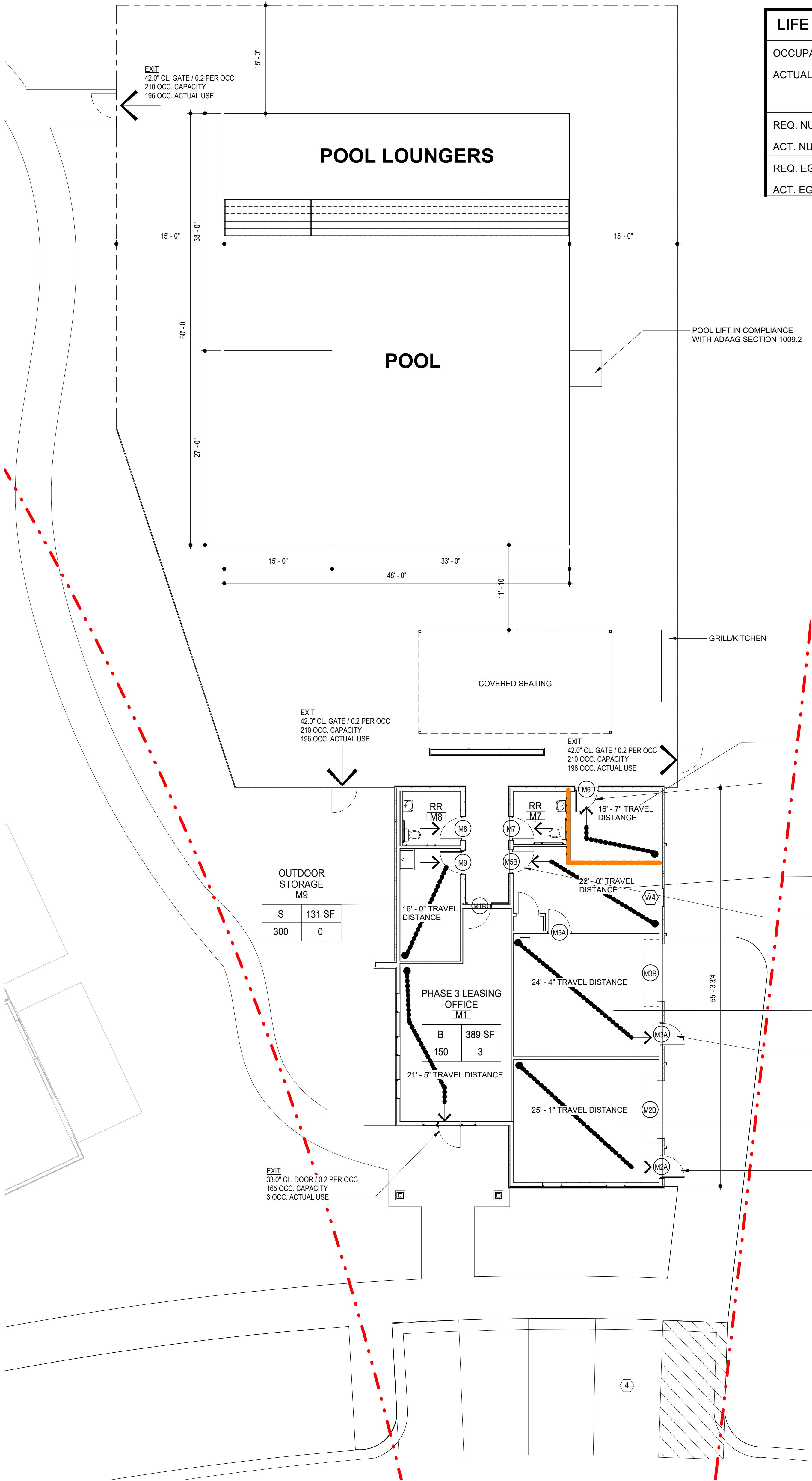


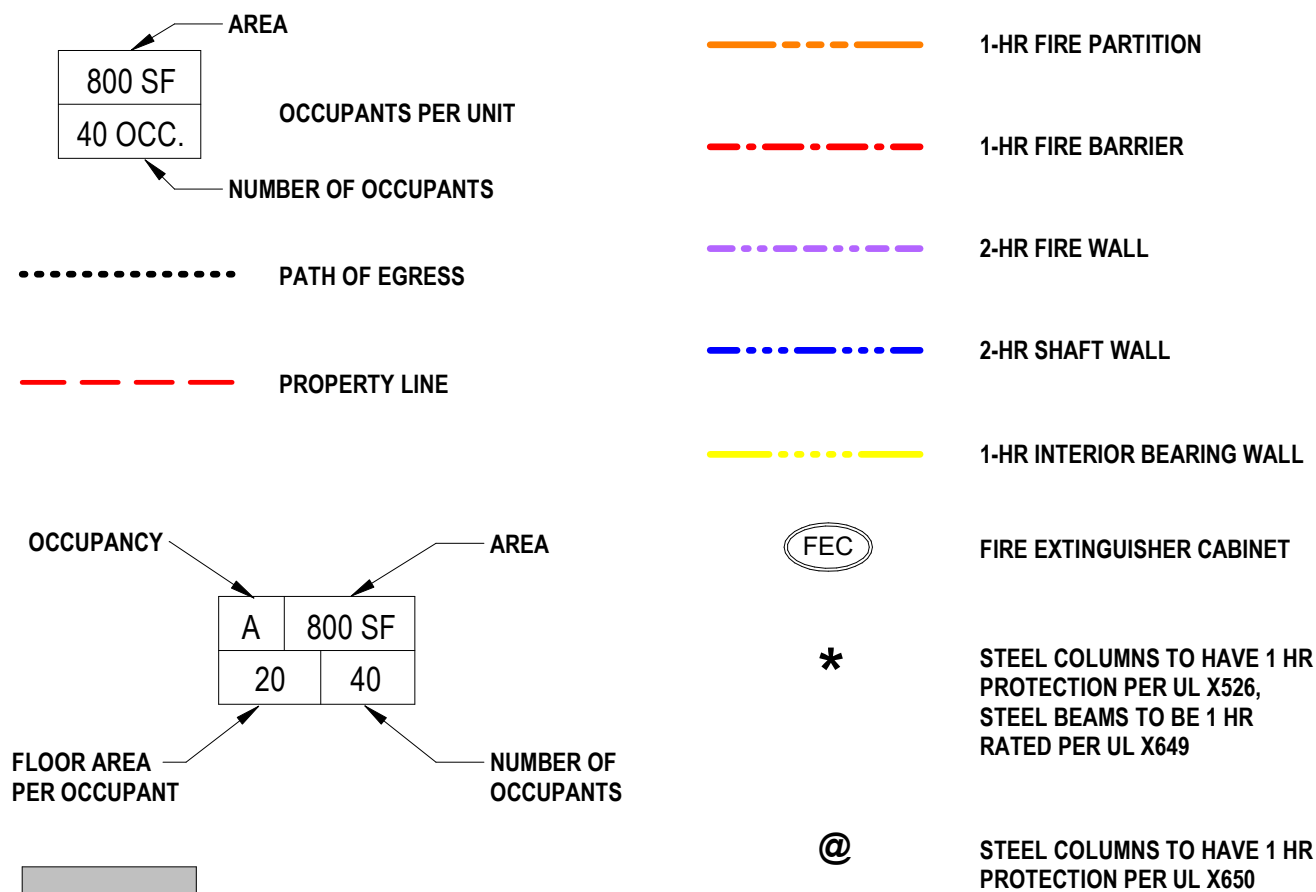


LIFE SAFETY SUMMARY (POOL & DECK)	
OCCUPANCY:	DECK 15 S.F. / PERSON POOL 20 S.F. / PERSON
ACTUAL OCCUPANCY:	DECK 5595 S.F. / 15 = 373 OCC. POOL 2475 S.F. / 20 = 124 OCC. TOTAL = 497 OCC.
REQ. NUMBER OF EXITS:	2
ACT. NUMBER OF EXITS:	3
REQ. EGRESS WIDTH:	497 OCC. * 0.2 / OCC. = 99"
ACT. EGRESS WIDTH:	126"

LIFE SAFETY GENERAL NOTES

- ALL RESIDENTIAL CORRIDORS ARE 1-HOUR FIRE RATED UNLESS OTHERWISE NOTED.
- ALL DOORS LEADING TO UNITS ARE 20 MINUTES RATED UNLESS OTHERWISE NOTED.
- AREA OF REFUGE NOT REQUIRED IN STAIRS PER SECTION 1009.3.3 EXCEPTION 5.2018 IBC.
- AREA OF REFUGE NOT REQUIRED AT ELEVATOR PER SECTION 1009.4.2 EXCEPTION 2.2018 IBC.
- MAXIMUM AREA OF EXTERIOR WALL UNPROTECTED OPENING IS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION STATED ON TABLE 705.8 OF 2018 IBC.
- ALL EXTERIOR LOAD BEARING WALLS (WOOD CONSTRUCTION) TO BE 1-HOUR FIRE RATED PER UL U305 UNLESS OTHERWISE NOTED.
- GENERAL CONTRACTOR TO FURNISH AND INSTALL A-B-C RATED FIRE EXTINGUISHERS AT 4'-0" A.F.F. AS REQUIRED BY AUTHORITY HAVING JURISDICTION. MAXIMUM TRAVEL DISTANCE OF 75'-0" FOR PLACEMENT AND PER 906 (NFPA 10). SEE PLAN FOR PROPOSED LOCATIONS. FINAL LOCATIONS AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- STEEL COLUMN WRAP DETAILS ON SHEETS A058, A059, & A370

SYMBOL LEGEND



BUILDING CODES ADOPTED

Building Code	2018 International Building Code (IBC)
Mechanical Code	2018 International Mechanical Code (IMC)
Plumbing Code	2018 International Plumbing Code (IPC)
Fuel Gas Code	2018 International Fuel Gas Code
Electrical Code	2017 National Electrical Code
Energy Code	2018 International Energy Conservation Code (IECC)

ALLOWABLE AREA

Equation 5-1 (506.2.2) - MIXED USE
Aa = At + (Ns x If)

Aa = Allowable area
At = Tabular area factor (table 506.2)
Ns = Tabular area factor for non-sprinkler building (table 506.2)
If = area factor increase due to frontage percent per 506.3 (equation 5-5)
-Each story of mixed use occupancy building shall be calculated separately and individually comply with the allowable area based on the most restrictive occupancy per 506.3.2 and 503.1

FONTAGE INCREASE

Equation 5-5 (506.3)
If = (FP - 0.25) W / 30

If = Area increase due to frontage
F = Building Perimeter on public way / open space (min. 20 ft.)
P = Building Perimeter (total)
W = Width of public way / open space

MAINTENANCE/ POOL HOUSE

Construction Type	SA
Use Group	S-1, & B
Fire Protection	Fully-Sprinklered (NFPA 13B)
Accessibility	2010 ADA Guidelines & 2009 ICC/ANSI A117.1
Housing Act	Fair Housing Act

GENERAL BUILDING LIMITATIONS (Chapter 5 & 6)

Allowed Building Height (504.3 & 504.4) S-1: 3 / 50' Story / Feet

Allowed Building Height (504.3 & 504.4) B: 3 / 50' Story / Feet

Actual Building Height: 1 / 17' - 11" Story / Feet

ALLOWABLE AREA

Equation 5-1 (506.2.2)
Aa = At + (Ns x If)

B
Tabular area factor: 18,000
NS area factor: 18,000

S-1
Tabular area factor: 14,000
NS area factor: 14,000

Equation 5-5 (506.3.3)
If = (FP - 0.25) W / 30

F = 33 + 33
P = 222
W = 30

If = (66 / 222 - 0.25) x 30 / 30
If = (30 - 25) x 1
If = .05

FLOOR AREA
Aa = 14,000 + (14,000 x .05)
Aa = 14,700

S-1 Floor Total Actual Area: 1,958 SF

The Signature at West Pryor

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DATE: 7.15.2021

REVISIONS

1 PERMIT COMMENTS Date 2

DWG BY Author

TR,i PROJECT NO. 20-001

SHEET NO.

A018

MAINTENANCE / POOL HOUSE LIFE SAFETY PLAN

