FIRE SPRINKLER PLAN

16 X 16 SQ. FT. MAXIMUM PROTECTION AREA FOR RESIDENTIAL SPRINKLERS SCOPE OF WORK: CONTRACTOR SHALL INSTALL A NEW WET PIPE FIRE SPRINKLER SYSTEM IN NEWLY CONSTRUCTED BUILDING OF COMBUSTIBLE UNOBSTRUCTED CONSTRUCTION. FIRE SPRINKLER NOTES: SYSTEM DESIGNED AS PER NFPA #13D 2021 EDITION 15 TOTAL SPRINKLER HEADS 1,670 SQ. FT. TOTAL AREA PROTECTED ON WET SYSTM CONTRACTOR SHALL: PROVIDE REQUIRED SIGNS & FLUSHING CONNECTIONS

22-182966 DFS 01 RS

CONTRACTORS MATERIAL AND TEST CERTIFICATES FOR ABOVE GROUND AND UNDERGROUND PIPE SHALL BE

SUBMITTED TO THE FIRE MARSHALL PRIOR TO APPROVAL OF THE INSTALLATION

PIPE MATERIAL: BLAZEMASTER CPVC PIPE & FITTINGS

ALL DIMENSIONS & ELEVATIONS ARE CENTERLINE OF PIPE & STEEL UNLESS NOTED OTHERWISE





Ν	NOTES		REVISIONS	
		DATE	DESCRIPTION	BY
$\mathbf{W} \longrightarrow \mathbf{E}$				
S				
2' 4' 6' 8' 10' 12' 14' 16' 18'				
				<u> </u>

Calculation results for Design Area <u>1</u>		- BEDROOM 3 2ND F	LOOR		
This system as shown on SPRINKIT FIRE INC		company print no		dated <u>7/4/22</u>	
for HAB. FOR HUM.	at 2401 SW TAYLORS FERR RD UNIT 3				
contract no is de	esigned to dischar	ge at a rate of <u>0.05</u>	gpm/ft ² (L/min/m ²) c	of floor area over	
a maximum area of <u>144 ft²</u> when s	supplied with wate	r at a rate of <u>13 gpm</u>	_ at <u>28.2 psi</u> at the l	base of the riser.	
Hose stream allowance of	is included in the	e above.			
Occupancy classification: RESIDENTIAL			Number of heads flowing: 1		
Commodity classification:		System Type:	Wet		
		• • • •			
Maximum storage height:			Maximum velocity	r: <u>6.93 ft/s</u>	
Maximum storage height: Storage arrangement:			Maximum velocity	r: <u>6.93 ft/s</u>	
• • •	0 gpm	Pressure Required a	,		
Storage arrangement:	0 gpm 13 gpm	Pressure Required a Pressure Available a	t Source: 28.2 psi		
Storage arrangement: Flow from In-Rack sprinklers:	•.		t Source: 28.2 psi t Source: <u>83 psi</u>		
Storage arrangement: Flow from In-Rack sprinklers: Flow from Overhead sprinklers:	13 gpm	Pressure Available a	t Source: 28.2 psi t Source: <u>83 psi</u>		
Storage arrangement: Flow from In-Rack sprinklers: Flow from Overhead sprinklers: Flow from Inside Hoses:	13 gpm 0 gpm	Pressure Available a	t Source: 28.2 psi t Source: <u>83 psi</u>		
Storage arrangement: Flow from In-Rack sprinklers: Flow from Overhead sprinklers: Flow from Inside Hoses: Flow from Outside Hoses:	13 gpm 0 gpm 0 gpm	Pressure Available a	t Source: 28.2 psi t Source: <u>83 psi</u>		
Storage arrangement: Flow from In-Rack sprinklers: Flow from Overhead sprinklers: Flow from Inside Hoses: Flow from Outside Hoses: Other fixed flows:	13 gpm 0 gpm 0 gpm <u>0 gpm</u>	Pressure Available a	t Source: 28.2 psi t Source: <u>83 psi</u>		







2ND FLOOR FIRE SPRINKLER PLAN

AREA 931 SQFT SCALE: 1/8" = 1'

SPRINKLER SYMBOLS \bigcirc SPRINKIT FIRE INC OREGON CITY, OR 97045