

FLOOR, ROOM OR SPACE DESIGNATION	MINIMU NUMBER OF	Chillian Conses	TRAVEL DISTANCE		
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE	ACTUAL TRAVEL DISTANCE	
PRO SHOP	2	2	200'	78'-0"	
MEETING SPACE/STOR	AGE I	1	75'	75'-0"	

EXIT WIDTH

	(a)	(b)			(c)	E	HTDIW TIXE	(In)	
USE GROUP OR SPACE DESCRIPTION	AREA sq. ft.	AREA PER OCCUPANT	CALCULATED DCCUPANT LOAD	MAX OCCUPANT LOAD	EGRESS PER OC	WIDTH	REQUIRED (SECTION (a/b		AC TUAL SHOWN O	
					STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
PRO SHOP (M)	1344	30 S.F./PERSON	45	45	N/A	0.2	N/A	9*	N/A	36" DOOR
OFFICE (MINOR TO M)	110	IOO S.F./PERSON	2	2	N/A	0.2	N/A	0.4*	N/A	36" DOOR
GARAGE/STORAGE (S-	226	500 S.F./PERSON	1	- 1	N/A	0.2	N/A	0.2"	N/A	36" DOOR
MEETING SPACE (B)	435	IS S.F./PERSON	29	29	0.3	0.2	33.3*	2.0"	44.	36" DOOR
STORAGE	440	500 S.F./PERSON	1	1	0.3	0.2	33.3*	2.0"	44.	36" DOOR
STORAGE	237	500 S.F./PERSON	1	1	0.5	0.2	2.4*	2.0"	44*	36" DOOR

NOTE, MEETING SPACE IS A "B" OCCUPANCY (TRAINING & SKILL DEVELOPMENT) SPACE WITH ONE EXIT OR EXIT ACCESS DOORWAY PER 1015.1, MAXIMUM OCCUPANT LOAD IS 29. PER EXCEPTIONS 303.1.1, THE MEETING ROOM IS DESIGNATED "B" PER EXCEPTION 301.1.2 SINCE THE OCCUPANT LOAD IS LESS THAN 50, IT IS APPLICABLE FOR MEETING ROOM TO BE A PART OF THE OCCUPANCY OF THE PRO SHOP, AND BE A "B" OCCUPANCY.

GENERAL NOTES:

- BUILDING IS NOT FULLY SPRINKLED. EXISTING SYSTEM IS NOT CURRENTLY ACTIVE.
- ALL EXISTING EXIT LIGHT COMBO PACKS SHALL BE CHECKED AND VERIFIED TO ILLUMINATE ON BATTERY POWER. REPLACE BATTERY AS NEEDED.
- ALL PORTABLE FIRE EXTINGUISHERS TO BE MAINTAINED AND CHECKED MONTHLY.
- LOCATION OF NEW 2A20BC FIRE EXTINGUISHER TO BE PROVIDED AT IN GARAGE/SHOP
- 5. PROVIDE KNOX BOX AT FRONT DOOR



10.15.2018

Basinger Design Co.

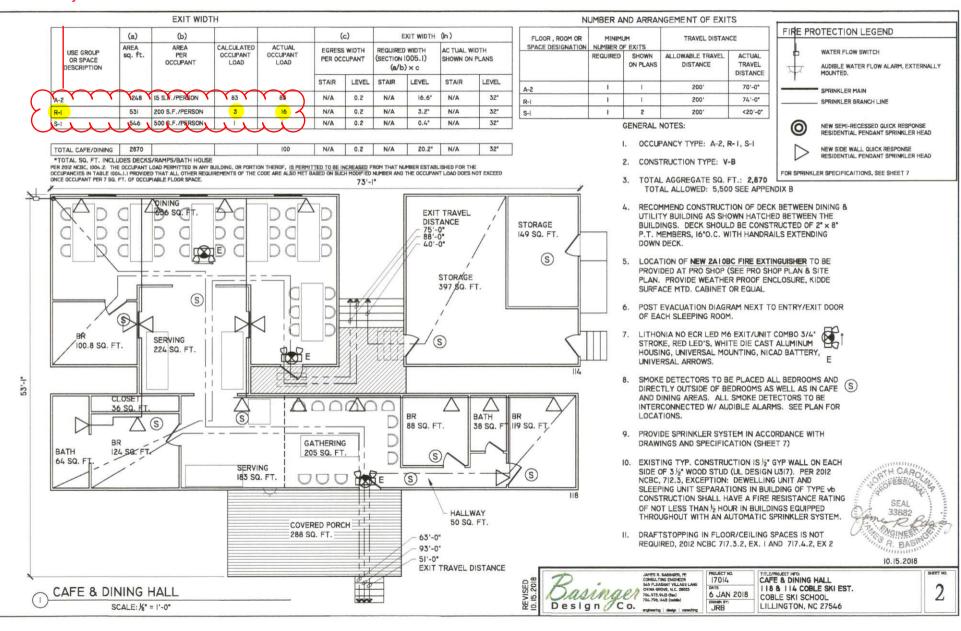
JAMES R. RASINGER, PE CONSULTING ENGINEER SAS PLEASANT VILLAGE LANE CHING ROVE, N.C. 28023 704, 973.9413 (fec) 704, 795. IAAS (motile)

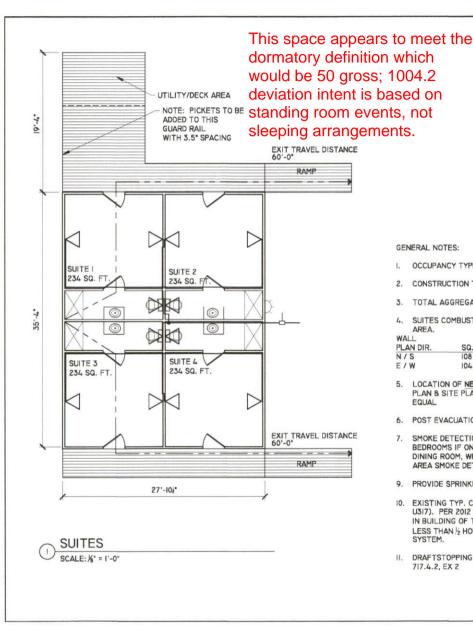
DATE
6 JAN 2018
DRAWN BY:
JRB

TITLEMBOLECT NEW PRO-SHOP - MEETING ROOMS - REVISED 130 COBLE SKI SCHOOL LILLINGTON, NC 27546

1

Please clarify





FLOOR, ROOM OR SPACE DESIGNATION	MINIMU NUMBER OF		TRAVEL DISTANCE		
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE	ACTUAL TRAVEL DISTANCE	
SUITES I-4 (R-I)	1	1	75'	44'-0"	

EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(a) AREA sq. ft.	(b) AREA PER OCCUPANT	CALCULATED OCCUPANT LOAD	ACTUAL OCCUPANT LOAD	EGRESS PER OCC		REQUIRES (SECTION		AC TUAL W SHOWN ON	
X X X	X X	X X X	X X X	Y Y	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
UITES I-4 (R-I)	234	200 S.F./PERSON	2	4	N/A	0.2	N/A	0.8*	N/A	32*

PER 2012 MCGC, 1004.2: THE OCCUPANT LOAD PERMITTED IN ANY BUILDING, OR PORTION THEROF, IS <u>PERMITTED TO BE INCREASED</u> FROM THAT NUMBER ESTABLISHED FOR THE OCCUPANCIES IN TABLE 1004. I. PROVIDED THAT ALL OTHER REQUIREMENTS OF THE CODE ARE ALSO MET BASED ON SUCH MODIFIED NUMBER AND THE OCCUPANT LOAD DOES NOT EXCEED TWINE COURS HERE FOR THE OFF 20, 52. TO OCCUPANDE INCOME SHOULD SHADE.

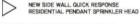
GENERAL NOTES:

- I. OCCUPANCY TYPE: 2. CONSTRUCTION
- 3. TOTAL AGGREGATE SQ. FT.: 1.384 (INCLUDES WALKWAYS/BATH AREA)
- SUITES COMBUSTIBLE DECORATIVE MATERIALS MEETING NFPA 701 IS LIMITED TO 10% OF WALL AREA.

WALL BLANDID	SO ET	ALLOWER
PLAN DIR.	SQ. FT.	ALLOWED
N/S	108 SQ. FT.	IO SQ. FT
F/W	INA SO FT	ID SO FT

- 5. LOCATION OF NEW 2A10BC FIRE EXTINGUISHER TO BE PROVIDED AT PRO SHOP (SEE PRO SHOP PLAN & SITE PLAN. PROVIDE WEATHER PROOF ENCLOSURE, KIDDE SURFACE MTD. CABINET OR
- 6. POST EVACUATION DIAGRAM NEXT TO ENTRY/EXIT DOOR OF EACH SLEEPING ROOM.
- 7. SMOKE DETECTION/ALARM SHALL BE INTERCONNECTED TO PROVIDE AUDIBLE ALARM IN ALL BEDROOMS IF ONE ALARM IS ACTIVATED. BECAUSE THE DECK ON THE REAR IS CLOSE TO THE DINING ROOM, WE WOULD PROPOSE INTERCONNECTING THIS BUILDING WITH THE CAFE/DINING AREA SMOKE DETECTORS.
- 9. PROVIDE SPRINKLER SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION (SHEET 7)
- 10. EXISTING TYP. CONSTRUCTION IS 5" GYP WALL ON EACH SIDE OF 3 5" WOOD STUD (UL DESIGN U317). PER 2012 NCBC, 712.3, EXCEPTION: DEWELLING UNIT AND SLEEPING UNIT SEPARATIONS IN BUILDING OF TYPE VO CONSTRUCTION SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 1/2 HOUR IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER
- DRAFTSTOPPING IN FLOOR/CEILING SPACES IS NOT REQUIRED, 2012 NCBC 717.3.2, EX. I AND 717.4.2, EX 2

FIRE PROTECTION LEGEND WATER FLOW SWITCH AUDIBLE WATER FLOW ALARM, EXTERNALLY MOUNTED. SPRINKLER MAIN SPRINKLER BRANCH LINE NEW SEMI-RECESSED QUICK RESPONSE RESIDENTIAL PENDANT SPRINKLER HEAD



FOR SPRINKLER SPECIFICAITIONS, SEE SHEET 7

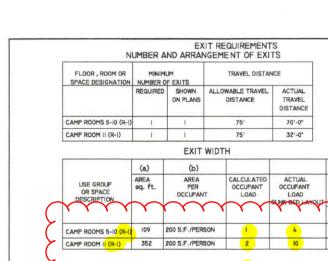


10.15.2018

Design / Co.

PROJECT NO 6 JAN 2018

TITLE/PROJECT INFO: 134 COBLE SKI EST. COBLE SKI SCHOOL LILLINGTON, NC 27546



TOTAL CAMP ROOMS | 1581 | 200 S.F./PERSON

*TOTAL SQ. FT. INCLUDES DECKS/RAMPS/BATH HOUSE

CAMP RM. 6

109 SQ. FT.

This space appears to meet the dormatory definition which would be 50 gross; 1004.2 deviation intent is based on standing room events, not sleeping arrangements.

EXIT WIDTH (In)

LEVEL

0.8

2.0"

6"

CAMP RM. II

352 SQ. FT.

AC TUAL WIDTH

STA

N/

N/A

N/A

CAMP RM. IO

109 SQ. FT.

SHOWN ON PLANS

LEVEL

32*

32

32*

REQUIRED WIDTH

(SECTION 1005.1)

N/A

N/A

N/A

EGRESS WIDTH

PER OCCUPANT

LEVEL STAIR

0.2

0.2

0.2

CAMP RM. 9

109 SQ. FT.

STAIR

N/A

N/A

N/A

PER 2018 NGG, 1004.2: THE COLUMNIT LOAD FEMILITED IN THOSE PER 2018 NGG, 1004.2: THE COLUMNIT LOAD FEMILITED IN THE COLUMNIT REQUIREMENTS OF THE COLUMNIT READ FEMILITED IN THE COLUMNIT REPORT OF TH

CAMP RM. 8

109 SQ. FT.

CAMP RM. 7

109 SQ. FT.

2AIOBC FIRE EXT.

IN WEATHER PROOF

CABINET, MTD. 5'-0" AFF

GENERAL NOTES:

- I. OCCUPANCY TYPE: R-I
- 2. CONSTRUCTION TYPE: V-B
- 3. TOTAL AGGREGATE SQ. FT.: 1.581 (INCLUDES WALKWAYS/BATH AREA)
- 4. CAMP ROOMS 5-10 COMBUSTIBLE DECORATIVE MATERIALS MEETING NFPA 701 IS LIMITED TO 10% OF WALL AREA.

WALL

PLAN DIR.	SQ. FT.	ALLOWED
N/S	77.3 SQ. FT.	7.7 SQ. FT.
E/W	90.6 SQ. FT.	9.0 SQ. FT.

5. CAMP ROOM II COMBUSTIBLE DECORATIVE MATERIALS MEETING NFPA 701 IS LIMITED TO 10% OF WALL AREA.

WALL

PLAN DIR.	SQ. FT.	ALLOWED
N/S	186 SQ. FT.	18.6 SQ. FT.
E/W	122 SQ. FT.	12.2 SQ. FT.

- 6. LOCATION OF NEW 2A LOBC FIRE EXTINGUISHER SHOWN. PROVIDE WEATHER PROOF ENCLOSURE, KIDDE SURFACE MTD. CABINET OR EQUAL
- 7. POST EVACUATION DIAGRAM NEXT TO ENTRY/EXIT DOOR OF EACH SLEEPING ROOM.
- 8. EXISTING SMOKE DETECTION/ALARM SHALL BE INTERCONNECTED TO PROVIDE AUDIBLE ALARM IN ALL BEDROOMS IF ONE ALARM IS ACTIVATED. THIS INCLUDES CAMP RM. II TO CAMP RM.S 5-10.
- 9. PROVIDE SPRINKLER SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION (SHEET 7)
- 10. EXISTING TYP. CONSTRUCTION IS 1/2" GYP WALL ON EACH SIDE OF 3 1/2" WOOD STUD (UL DESIGN U317). 32'-0" DISTANCE PER 2012 NCBC, 712.3, EXCEPTION: DEWELLING UNIT AND SLEEPING UNIT SEPARATIONS IN BUILDING OF TYPE Vb CONSTRUCTION SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 1/2 HOUR IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.
 - II. DRAFTSTOPPING IN FLOOR/CEILING SPACES IS NOT REQUIRED, 2012 NCBC 717.3.2, EX. I AND 717.4.2, EX 2

FIRE PROTECTION LEGEND

WATER FLOW SWITCH

AUDIBLE WATER FLOW ALARM, EXTERNALLY

SPRINKLER MAIN

SPRINKLER BRANCH LINE

NEW SEMI-RECESSED QUICK RESPONSE RESIDENTIAL PENDANT SPRINKLER HEAD

NEW SIDE WALL QUICK RESPONSE RESIDENTIAL PENDANT SPRINKLER HEAD

FOR SPRINKLER SPECIFICAITIONS, SEE SHEET 7



10.15.2018

Design / Co.

17014

CAMP ROOMS 146 COBLE SKI EST.

CAMP ROOMS SCALE: 1 = 1'-0"

CAMP RM. 5

109 SQ. FT.

6

RAMP DOWN

FXIT

TRAVEL

DISTANCE

BATH AREA

87 SQ. FT.

TO SIDEWALK

70'-0" EXIT

TRAVEL

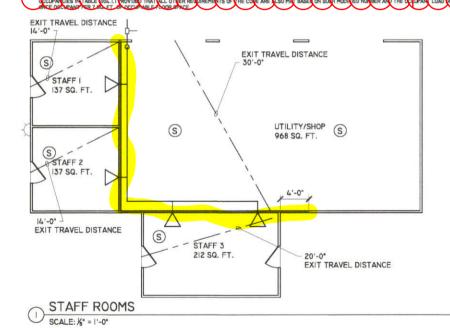
6 JAN 2018

COBLE SKI SCHOOL LILLINGTON, NC 27546

FLOOR, ROOM OR SPACE DESIGNATION	MINIMU NUMBER O	70.00	TRAVEL DISTANCE			
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE	ACTUAL TRAVEL DISTANCE		
STAFF ROOMS (R-I)	- 1	I	75'	20'-0"		
UTILITY (S-I)	1	3	75'	30'-0"		

This space appears to meet the dormatory definition which would be 50 gross: 1004.2 deviation intent is based on standing room events, not sleeping arrangements.

	(a)	(b)			((c)		EXIT WI	DTH	(In)	ース
USE GROUP OR SPACE DESCRIPTION	AREA sq. ft.	AREA PER OCCUPANT	OCCUPAN LOAD			S WIDTH CUPANT	REQUIRE (SECTION (a/b			AC TUAL W	
				20.72.20.70.00	STAIR	LEVEL	STAIR	LEVE	L	STAIR	LEVEL
STAFF ROOMS (R-I)	486	200 S.F./PERSON	2 PE	R 6	N/A	0.2	N/A	0.	·	N/A	32
ITILITY (S-I)	968	500 S.F./PERSON	2	2	N/A	0.2	N/A	0.	·	N/A	722



GENERAL NOTES:

- I. OCCUPANCY TYPE: R-I, S-I
- 2. CONSTRUCTION TYPE: V-B
- 3. POST EVACUATION DIAGRAM NEXT TO ENTRY/EXIT DOOR OF EACH SLEEPING ROOM.
- 4. SMOKE DETECTION/ALARM SHALL BE INTERCONNECTED TO PROVIDE AUDIBLE ALARM IN ALL BEDROOMS IF ONE ALARM IS ACTIVATED.
- SMOKE DETECTORS SHALL BE ADDED TO UTILITY/SHOP AREA, AND INTERCONNECTED TO SMOKE DETECTORS IN THE SLEEPING ROOMS.
- PROVIDE SPRINKLER SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION (SHEET 7)
- EXISTING TYP. CONSTRUCTION IS 1/2" GYP WALL ON ONE SIDE OF HATCHED WALL. SINCE ONLY R-I SIDE IS SPRINKLERED. THEN WALL MUST BE A 2 HOUR WALL. FOR 2 HOUR WALL, PROVIDE (2) LAYERS OF %" TYP "X" GYP BOARD EACH SIDE, (UL DES. U301).
- ALT. 2 HOUR CONSTRUCTION: INSTALL (I) LAYER OF 1/2" GYP. BOARD ON SHOP SIDE OF HATCHED WALL, AND PROVIDE FLAMEOFF FIRE BARRIER PAINT, INTUMESCENT PAINT APPLIED TO BOTH SIDES OF WALL. PAINT TO BE APPLIED TO THE SPECIFIC DRY FILM THICKNESS (DFT) LISTED BY MANUFACTURER. PAINT TO MEET OR EXCEED ASTM EII9 LISTING STANDARDS IN ACCORDANCE WITH UL
- 12. DRAFTSTOPPING IN WALL ASSEMBLY EXTENDING BEYOND CEILING LINE OF R-I AREAS MUST BE DRAFTSTOPPED IN ACCORDACE WITH 2012 NCBC.

FIRE PROTECTION LEGEND

WATER FLOW SWITCH

AUDIBLE WATER FLOW ALARM, EXTERNALLY MOUNTED.

SPRINKI ER MAIN

SPRINKLER BRANCH LINE



NEW SEMI-RECESSED QUICK RESPONSE RESIDENTIAL PENDANT SPRINKLER HEAD



NEW SIDE WALL QUICK RESPONSE RESIDENTIAL PENDANT SPRINKLER HEAD

FOR SPRINKLER SPECIFICAITIONS, SEE SHEET 7



10.15.2018

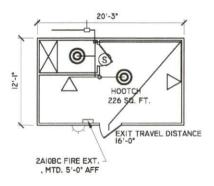
Design / Co.

PROJECT NO. TITLE/PROJECT INFO: 150 COBLE SKI EST. 6 JAN 2018 COBLE SKI SCHOOL LILLINGTON, NC 27546

FLOOR, ROOM OR SPACE DESIGNATION	MINIMU NUMBER O	2000/-00000000	TRAVEL DISTAN	CE
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE	TRAVEL DISTANCE
HOOTCH (R-I)	1	- 1	75'	16'-0"

This space appears to meet the dormatory definition which would be 50 gross; 1004.2 deviation intent is based on standing room events, not sleeping arrangements.

•	USE GROUP OR SPACE DESCRIPTION	AREA sq. ft.	AREA PER OCCUPANT	CALCULATED OCCUPANT LOAD	ACTUAL OCCUPANT LOAD BUNK BED LAYOUT	EGRESS PER OC	S WIDTH CUPANT	REQUIRE (SECTION (a/b		AC TUAL W SHOWN ON	
١						STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
Ì	HOOTCH (R-I)	226	200 S.F./PERSON	2	6	N/A	0.2	N/A	1.2"	N/A	361



HOOCH
| SCALE: 1/6" = 1'-0"

GENERAL NOTES:

I. OCCUPANCY TYPE: R-2

2. CONSTRUCTION TYPE: V-B

3. TOTAL AGGREGATE SQ. FT.: 226 (INCLUDES BATH AREA)

4. LOCATION OF NEW 2A10BC FIRE EXTINGUISHER SHOWN.

5. POST EVACUATION DIAGRAM NEXT TO ENTRY/EXIT DOOR.

6. MUST HAVE SMOKE DETECTOR (S)

 NOTE - ON BOTH SIDES, A LOFT IS CREATED WHICH LEAVES A CEILING OF 6'-2". THE LOFT NEEDS TO BE REMOVED FROM BOTH SIDES SO THAT THE MINIMUM CEILING HEIGHT OF 7'-0" IS OBTAINED.





10.15.201

Basinger Design Co.

JAMES R. BASINGER, PE CONSULTING ENGINEER \$45 PLEASANT VILLAGE LANE CHINA GROVE, N.C. 28023 704-973,9413 (fbx) 704-776. IA45 (mobile) | PROJECT NO. | 17014 | HOO' | 17014 | HOO' | 112 | HOO' | 112 | HOO' |

HOOTCH
112 COBLE SKI EST.
COBLE SKI SCHOOL
LILLINGTON, NC 27546

6

SPRINKLER NOTES

- PIPIE SIZING IS SHOWN FOR PRICING AND SCHEMATIC ARRANGEMENT ONLY, ALL PIPING TO BE HYDRAULICALLY SIZED PER NFPA 13R, AND INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13R. THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL PIPING, VALVES, TRIM, ETC. FOR A COMPLETE SYSTEM.
- 2 ALL MATERIALS SHALL BE "UL" LISTED OR "FM" APPROVED.
- 3. ALL SPRINKLERS SHALL BE INSTALLED WITH QUICK RESPONSE RESIDENTIAL ALITOMATIC SPRINKLERS
- 4. THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW. SEE SCHEMATIC DIAGRAMS FOR EACH BUILDING FOR LOCATION OF BACKFLOW DEVICE.
- HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE LOCAL FIRE MARSHAL FOR REVIEW PRIOR TO INSTALLATION OF THE
- 6. FOR APPLICATIONS USING THE LIMITED AREA SPRINKLER SYSTEMS THEY SHALL BE LIMITED TO FEWER THAN 20 SPRINKLERS ON ANY SINGLE CONNECTION, AND WILL BE CONNECTED TO THE DOMESTIC SERVICE OF EACH BUILDING.
- VALVES SHALL NOT BE INSTALLED BETWEEN THE DOMESTIC WATER RISER CONTROL VALVE AND THE SPRINKLER.
- THE DOMESTIC SERVICE SHALL BE CAPABLE OF SUPPLYING THE SIMULTANEOUS DOMESTIC DEMAND AND THE SPRINKLER DEMAND REQUIRED TO BE HYDRAULICALLY CALCULATED BY NFPA 13R.
- 7. A SINGLE COMBINATION WATER SUPPLY SHALL BE ALLOWED PROVIDED THAT THE DOMESTIC DEMAND IS ADDED TO THE SPRINKLER DEMAND AS REQUIRED BY NFPA 13.
- SPRINKLER SYSTEM SUPERVISION AND ALARMS ARE NOT REQUIRED PER 903.1. EX. 14. 3: AUTOMATIC SPRINKLER SYSTEMS INSTALLED IN ACCORDANCE WITH NFPA I3R WHERE A COMMON SUPPLY MAIN IS USED TO SUPPLY BOTH DOMESTIC WATER AND THE AUTOMATIC SPRINKLER SYSTEM AND A SEPARATE SHUTOFF VALVE FOR THE AUTOMATIC SPRINKLER SYSTEM IS NOT PROVIDED.
- 9. SYSTEMS SHOWN ARE NOT REQUIRED TO BE MONITORED PER EXCEPTION 903.4.1. EX. 2: BACKFLOW PREVENTION DEVICE TEST VALVES LOCATED IN LIMITED AREA SPRINKLER SYSTEM SUPPLY PIPING SHALL BE LOCKED IN THE OPEN POSITION.
- IO. AN APPROVED AUDIBLE DEVICE SHALL BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM. THESE WATERFLOW ALARM DEVICES SHALL BE ACTIVATED BY WATERFLOW EQUIVALENT TO THE FLOW OF A SINGLE SPRINKLER OF THE SMALLES ORIFICE SIZE INSTALLED IN THE SYSTEM. ALARM DEVICES SHALL BE PROVIDED ON THE EXTERIOR OF THE BUILDING IN AN APPROVED LOCATION. WHERE A FIRE ALARM SYSTEM IS INSTALLED, ACTUATION OF THE AUTOMATIC SPRINKLER SYSTEM SHALL ACTUATE THE BUILDING FIRE ALARM SYSTEM.
- II. ONLY NEW LISTED SPRINKLERS SHALL BE INSTALLED.
- 12. SPRINKLER PLANS PROVIDED ARE SCHEMATIC IN NATURE AND INDICATE THE DESIGN INTENT FOR THE SPRINKLER CONTRACTOR. WORKING SPRINKLER DRAWINGS SHALL PROVIDE BY THE SPRINKLER CONTRACTOR WITH THE FOLLOWING INFORMATION:
- 12.1. NAME OF OWNER AND OCCUPANT
- 12.2. LOCATION, INCLUDING STREET ADDRESS
- 12.3. POINT OF COMPASS
- CEILING CONSTRUCTION 12.4
- METHOD OF PROTECTION FOR NONMETALLIC PIPING 12.5.
- 12.6. LOCATION OF FIRE WALLS
- 12.7. LOCATION OF PARTITIONS

- 12.8. OCCUPANCY OF EACH AREA OR ROOM
- 12.9 LOCATION AND SIZE OF CONCEALED SPACES, ATTICS, CLOSES, AND BATHROOMS
- ANY SMALL ENCLOSURES IN WHICH NO SPRINKLERS ARE TO BE INSTALLED SIZE OF CITY MAIN IN THE STREET: PRESSURE: DEAD-END. THE DIRECTION 12 11 AND DISTANCE TO THE NEAREST CIRCULATING MAIN; AND THE CITY MAIN
- TEST RESULTS INCLUDING ELEVATION OF THE TEST HYDRANT. 12.12. MAKE MANUFACTUERER, TYP, HEAT-RESPONSE ELEMENT, TEMPERATURE RATING, SPRINKLER IDENTIFICATION NUMBER, AND NOMINAL ORIFICE SIZE OF 23. PIPING MATERIAL AND FIXTURES ALLOWED SHALL BE IN ACCORDANCE WITH NFPA THE SPRINKLER
- TEMPERATURE RATING AND LOCATION OF HIGH TEMPERATURE SPRINKLERS. IF USED
- NUMBER OF SPRINKLER ON EACH RISER, PER FLOOR, IF REQUIRED. 12 14
- 12.15. KIND AND LOCATION OF ALARM BELLS
- TYPE OF PIPE AND FITTINGS
- TYPE OF PROTECTION FOR NONMETALLIC PIPE 12 17
- 12 IR NOMINAL PIPE SIZE WITH LENGTHS SHOWN TO SCALE
- LOCATION AND SIZE OF RISER NIIPPES
- TYPE OF FITTINGS AND JOINTS AND THE LOCATIONS OF ALL WELDS AND 12 20 BENDS
- TYPES AND LOCATIONS OF HANGERS, SLEEVES, AND BRACES, AND METHODS OF SECURING SPRINKLERS, WHERE APPLICABLE.
- 12.22. ALL CONTROL VALVES, CHECK VALVES, DRAIN PIPES, AND TEST CONNECTIONS
- 12.23. UNDERGROUND PIPIE SIZE, LENGTH, LOCATION, WEIGHT, MATERIAL, AND POINT OF CONNECTION TO THE CITY MAIN: TYPE OF VALVES, METER, AND VALVE PITS, AND DEPTH AT WHICH THE TOP OF THE PIPE IS LAID BELOW GRADE
- 12.24. IN THE CASE OF HYDRAULICALLY DESIGNED SYSTEMS, THE MATERIAL TO BE INCLUDED ON THE HYDRAULIC DATA NAMEPLATE
- 12.25. NAME AND ADDRESS OF CONTRACTOR.
- THE WATER SUPPLY SHALL BE CAPABLE OF SUPPLYING THE SYSTEM DEMAND FOR AT LEAST 30 MINUTES
- DOMESTIC DEMAND FOR THE BUILDINGS CALCULATED SHALL BE INCLUDED AS PART OF THE OVERALL SYSTEM DEMAND FOR SYSTEMS WITH COMMON DOMESTIC/FIRE MAINS WHERE NO PROVISIONS AREA MADE TO PREVENT THE DOMESTIC WATERFLOW UPON SPRINKLER ACTIVATION.
- THE INSTALLER SHALL PERFORM ALL REQUIRED ACCEPTANCE TESTS PRIOR TO ASKING FOR APPROVAL OF THE INSTALLATION
- THE INSTALLER SHALL COMPLETE THE CONTRACTORS MATERIAL AND TEST CERTIFICATE AND SHALL FORWARD THE CERTIFICATE TO THE AUTHORITY HAVING
- 17. IF REQUIRED, THE AUTHORITY HAVING JURISDICTION SHALL BE PRESENT FOR ACCEPTANCE TEST.
- ALL ACCEPTANCE TESTS SHALL BE IN ACCORDANCE WITH NFPA 13R
- 19. THE DENSITY/AREA REQUIREMENT FOR THE ALL SYSTEMS SHALL BE 0.1 GPM/SQ. FT. MINIMUM.
- 20. SYSTEMS HAVING MORE THAN 20 SPRINKLERS OR HAVING A FIRE DEPARTMENT CONNECTION SHALL PASS A HYDROSTATIC PRESSURE TEST PERFORMED FOR THE ABOVE GROUND PIPING SYSTEM IN ACCORDANCE WITH NFPA 13.

- 21. SYSTEMS HAVING BOTH FEWER THAN 20 SPRINKLERS AND NO FIRE DEPARTMENT CONNECTION SHALL PASS A HYDROSTATIC PRESSURE TEST PERFORMED FOR THE ABOVEGROUND PIPING SYSTEM AT 50 PSI HIGHER THAN THE MAXIMUM SYSTEM PRESSURE, USING THE HYDROSTATIC TEST PROCEDURE SPECIFIED IN NFPA 13.
- 22. INSTALLATION OF ALL HEADS, WITH RESPECT TO OBSTRUCTIONS SHALL BE INSTALLED WITH ACCORDANCE TO NFPA 13R, CH. 6
- 13R, TABLE 5.2.1
 - ASTM F 442, CPVC PIPING
 - ASTM F 437, CPVC SCH. 80THREADED FITTINGS
 - ASTM F 438, CPVC SCH. 40 SOCKET-TYPE FITTINGS
 - ASTM F 439, CPVC SCH. 80 SOCKET-TYPE FITTINGS
- 24. FITTINGS AND PIPING SHALL BE DESIGNED TO WITHSTAND A WORKING PRESSURE OF NOT LESS THAN 175 PSI AT 120°F.
- 25. PIPING IN AREAS THAT CANNOT BE MAINTAINED RELIABLE ABOVE 40°F, SHALL BE PROTECTED BY ONE OF THE FOLLOWING METHODS:
- 25.1. ANTIFREEZE SYSTEM USING A LISTED ANTIFREEZE SOLUTION IN ACCORDANCE WITH NFPA 13. GLYCERIN ANTIFREEZE SOLUTIONS CAN BE USED WITH CPVC
- 25.2. HEAT TRACING SHALL BE SUPERVISED, AND LISTED FOR UTILIZATION WITH BRANCH LINES SPECIFICALLY LISTED FOR USE IN AREAS SUBJECT TO COLD TEMPERATURES. IF CHOOSE HEAT TRACING, PROVIDE PRODUCT INFORMATION FOR ENGINEER OF RECORD REVIEW, AN ELECTRICAL DRAWING WILL BE PROVIDED FOR INSTALLATION OF HEAT TRACE TAPE.
- 26. A SUPPLY OF AT LEAST SIX SPARE SPRINKLERS SHALL BE MAINTAINED ON THE PREMISES, AND KEPT IN A CABINET LOCATED WHERE THE TEMPERATURE WILL NOT EXCEED 100°F.
- 27. SYSTEM SHALL BE INSPECTED, TESTED, AND MAINTAINED IN ACCORDANCE WITH NEPA 25
- 28. INSTALLATION CONTRACTOR SHALL PROVIDE ALL LITERATURE AND INSTRUCTIONS PROVIDED BY THE MANUFACTURER DESCRIBING PROPER OPERATION AND MAINTENANCE OF ANY EQUIPMENT AND DEVICES INSTALLED AS WELL AS A COPY OF NFPA 25

TH CARO 33882

10.15.2018

Design / Co.

17014 6 JAN 2018 JRB

SPRINKLER SPECIFICATIONS 130 COBLE SKI EST. COBLE SKI SCHOOL LILLINGTON, NC 27546