

## **Fire / Police Station Building Needs Analysis**

The current sixty-four-year-old station and the office space firefighters and police officers currently use within City Hall is about 5500 square feet, the size of a large home for the use of about 35 firefighters, officers, and support personnel use daily.

The current fire station and police station in downtown Gearhart is inadequate for the needs of our firefighters and police officers. In 1958, volunteers built the current fire station located on Pacific Way out of unreinforced concrete blocks. The walls have cracked and deteriorated. There is only one unisex bathroom serving 30 individuals, limiting our female firefighters' privacy needs. There is no hazardous cleaning area or isolated shower that provides a safe environment for bloodborne pathogen decontamination after an emergency call. The firefighters also need an exhaust fan system to handle the diesel exhaust of firefighting vehicles. Currently, the vehicle exhaust infiltrates the building with chemicals that are hazardous to our firefighters. Finally, there is a lack of adequate supply storage and functionality due to the building being designed when there were less than 100 emergency calls per year. Last year our volunteers responded to over 660 emergency calls from an inadequately sized station.

Our Police Station is incorporated to the City Hall and has inadequate secured storage and interview room.

Understanding the building type, its typical requirements, the organization's operational goals, regulatory requirements, determining the activities and equipment of the facility, identifying flexibility, flow, functionality, resiliency and tsunami evacuations was a priority in planning.

Police Chief Bowman, Retired Fire Chief Eddy, Fire Chief Como, volunteers, and city staff worked with architects to conduct a process of decision making, problem-solving, identifying the scope and the needs of the facility. This whole building design approach is intended to create an understanding of how the structure and systems will work once occupied. The challenge is to understand that all of the building systems are interdependent to envision how the facility will perform to serve the public now and in the future.

Once these requirements were identified, the staff looked at each space separately and added up the square footage identifying the need for an area of approximately 13,000 square feet.

The preliminary space calculations are attached to this memo.

8/30/16	<u>Size</u>	<u>Sq.Ft.</u>	<u>Total</u>
<b>FIRE DEPARTMENT MAIN FLOOR</b>			
<u>ADMINISTRATION &amp; TRAINING</u>			
VESTIBULE/ LOBBY		200	
STAIR (second stair exterior)	8x16	128	
ELEVATOR	8x6	48	
ELEVATOR EQUIPMENT ROOM	8x8	64	
FIRST AID ROOM ??			
RECEPTION/ADMINISTRATION ??			
PUBLIC WASHROOMS (shared with police)			
MEN	6x9	54	
WOMEN	6x9	54	
PRIVATE OFFICES			
FIRE CHIEF	12x14	168	
TRAINING	10x12	120	
EMS	10x14	140	
VOLUNTEERS	10x12	120	
OPEN OFFICE SPACE - ALLOWANCE		200	
TRAINING/ DAYROOM (with police)	24x32	780 (750 net)	
CHAIR/ TABLE STORAGE	12x8	96	
A/V, TRAINING AID STORAGE	12x8	96	
KITCHEN	10x20	200	
WORK/ COPY/ STORAGE	12x12	144	
PERSONAL LOCKERS IN HALL			
RECORD STORAGE	8x10	80	
COMMUNICATIONS/WATCH ROOM ??			
ELECTRONICS ROOM	6x8	48	
ADMINISTRATION STORAGE ??			
FIRE POLE	4x5	20	
JANITOR'S CLOSET	5x7	35	
SUBTOTAL FIRE DEPT. MAIN FLOOR			2,795

8/30/16	<u>Size</u>	<u>Sq.Ft.</u>	<u>Total</u>
<b>POLICE DEPARTMENT MAIN FLOOR</b>			
VESTIBULE	6x8	48	
CHIEF	14x14	196	
INTERVIEW ROOM	8x11	88	
OFFICE CUBICLES	12x33	396	
EVIDENCE ROOM	12x8	96	
LOCKERS	14x8	112	
SUBTOTAL POLICE DEPT. MAIN FLOOR			936
SUBTOTAL FIRE & POLICE DEPTS. MAIN FLOOR			3,731
ADD 20% FOR CIRCULATION AND STRUCTURE			746
<b>TOTAL FIRE &amp; POLICE DEPTS. MAIN FLOOR</b>			<b>4,477</b>
<b>FIRE DEPARTMENT APPARATUS ROOM</b>			
TRUCK BAYS			
3 BAYS	15x41	1,845	
2 BAYS	18x41	1,476	
SHOP	15x22	330	
SHOP SECURED STORAGE	15x10	150	
EMS			
SUPPLY ROOM	8x8	64	
DECONTAMINATION ROOM	8x10	80	
CLEAN ROOM	8x10	80	
LAUNDRY ROOM	8x10	80	
SCBA FILLING/ MAINTENANCE/ STORAGE	12x12	144	
HOSE TOWER	14x15	210	
HOSE WORK AREA	12x16	192	
WASHER/ DRYER/ RACKS			
ACTIVE TURNOUT STORAGE - RACKS ON WALLS			

8/30/16	<u>Size</u>	<u>Sq.Ft.</u>	<u>Total</u>
EVIDENCE STORAGE ROOM	8x8	64	
GENERAL SECURED STORAGE ROOM	10x10	100	
TOILET		35	
SPRINKLER RISER		30	
DELUGE SHOWER ALCOVE		25	
ELECTRICAL PANEL ALCOVE	3X12	36	
STAIR TO MEZZANINE	7x16	112	
SUBTOTAL			5,063
PLUS 10% FOR CIRCULATION AND STRUCTURE			506
<b>TOTAL APPARATUS ROOM MAIN FLOOR</b>			<b>5,569</b>

**FIRE DEPT. APPARATUS ROOM MEZZANINE**

STAIR	7x16	112	
PHYSICAL FITNESS	32x15	480	
HOSE TOWER	14x15	210	
COMPRESSORS, MECHANICAL, STORAGE	3314	462	
SUBTOTAL			1,264
PLUS 10% FOR STRUCTURE			126
<b>TOTAL APPARATUS ROOM MEZZANINE</b>			<b>1,390</b>

**FIRE DEPARTMENT SECOND FLOOR**LIVING QUARTERS

STAIRS AND ELEVATOR		176	
LIVING AREA	16x18	288	
KITCHENETTE	4x10	40	

8/30/16		<u>Size</u>	<u>Sq.Ft.</u>	<u>Total</u>
FOUR FIRE FIGHTERS' DORMS	4x	13x8	416	
OFFICER'S DORM??				
LIBRARY/ STUDY??				
WASHROOMS				
MEN		9x22	198	
WOMEN		9x22	198	
JANITOR'S CLOSET		5x7	35	
LAUNDRY ROOM		7x14	98	
STORAGE ROOM		8x12	96	
FIRE POLE		4x5	20	
SUBTOTAL				1,565
PLUS 20% FOR CIRCULATION AND STRUCTURE				312
<b>TOTAL FIRE DEPT. SECOND FLOOR</b>				<b>1,877</b>

**BUILDING AREA SUMMARY**

MAIN FLOOR	4,477
FIRE DEPT. MAIN FLOOR ADMINISTRATION AND TRAINING	
POLICE DEPT.	
MAIN FLOOR FIRE DEPT. APPARATUS ROOM	5,569
APPARATUS ROOM MEZZANINE	1,390
FIRE DEPT SECOND FLOOR	1,877
<b>BUILDING TOTAL</b>	<b>13,313 SF</b>

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