

**TECHNICAL EXHIBIT 2a  
WORKLOAD ESTIMATES**

The estimated workloads and equipment and appliance listings in TE 2a, 2b, and 2c are guides to the contractor for estimating manpower and workload and for scheduling requirements. As such, they are only estimates; variations and fluctuations caused by renovations and major repair shall not constitute grounds for a claim against the Government. These workload estimates reflect approximately 10 percent of housing units being deactivated for renovation per year.

**1. Change Of Occupancy Maintenance (COM): Estimated Average Number of Vacant Units.**

OCTOBER	123
NOVEMBER	115
DECEMBER	115
JANUARY	115
FEBRUARY	115
MARCH	120
APRIL	145
MAY	259
JUNE	259
JULY	258
AUGUST	258
SEPTEMBER	197
	2079

COM backlog estimated at 100 units.

ESTIMATED QUANTITY REQUIREMENTS FOR MAJOR PAINTING									
	2 BR	3 BR	4 BR	5 BR	8 BR	GOQ Duplex	SOQ Duplex	GOQ Single	Storage Rooms
EST QTY	880	635	220	25	1	4	15	5	1,761
EST AVG SQ MT	316	379	410	439	617	1,616	756	943	55

**2. FY97 Job Orders. (No records available before FY97)**

MONTH	EMERGENCY	URGENT	ROUTINE	TOTAL
OCTOBER	75	940	2,400	3,415
NOVEMBER	60	950	2,300	3,310
DECEMBER	100	950	2,300	3,350
JANUARY	100	1,300	2,200	3,600
FEBRUARY	85	1,200	2,200	3,485
MARCH	50	1,100	2,200	3,350
APRIL	60	900	2,200	3,160
MAY	75	900	2,200	3,175
JUNE	85	1,700	2,300	4,085
JULY	60	1,000	2,200	3,260
AUGUST	56	1,000	2,170	3,226
SEPTEMBER	61	900	2,118	3,079
	867	12,840	26,788	40,495
Job Orders after normal duty hours				675
Typical Backlog				50
Average Completion Time, Including Average Driving Time And Average Shop Time				3 Hours

**TECHNICAL EXHIBIT 2b  
FACILITIES TO BE MAINTAINED**

*NOTE: Because of continual renovations, the unit configuration and equipment are subject to change.  
BA = Bathroom; W/D = Washer/Dryer; WET CELL = Towers added to include washer/dryer and/or bathroom.*

**FLIEGERSTRASSE/BLUTACKER**

BLDG	NO. UNITS	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	* HAS WET CELL
2650	4	1	0	1	0	0	0	2	0	0	0
2651	4	1	0	1	0	0	0	2	0	0	0
2652	4	1	0	1	0	0	0	2	0	0	0
2653	4	1	0	1	0	0	0	2	0	0	0
2654	4	1	0	1	0	0	0	2	0	0	0
2655	4	1	0	1	0	0	0	2	0	0	0
2656	4	1	0	1	0	0	0	2	0	0	0
2657	4	1	0	1	0	0	0	2	0	0	0
2658	4	1	0	1	0	0	0	2	0	0	0
2660	4	1	0	1	0	0	0	2	0	0	0
2661	4	0	0	2	0	0	0	2	0	0	0
2662	4	0	0	2	0	0	0	2	0	0	0
2663	4	0	0	2	0	0	0	2	0	0	0
2664	4	0	0	2	0	0	0	2	0	0	0
2665	4	0	0	2	0	0	0	2	0	0	0
2666	4	0	0	2	0	0	0	2	0	0	0
2667	2	0	0	0	0	0	0	2	0	2	0
2668	2	0	0	0	0	0	0	2	0	2	0
2669	2	0	0	0	0	0	0	2	0	2	0
2670	2	0	0	0	0	0	0	2	0	2	0
2671	1	0	0	0	0	0	0	1	1	1	0
2672	2	0	0	0	0	0	0	2	2	2	0
2673	1	0	0	0	0	0	0	1	1	1	0
2674	2	0	0	0	0	0	0	2	2	2	0
2675	1	0	0	0	0	0	0	1	1	1	0
2676	1	0	0	0	0	0	0	1	1	1	0
<b>TOTAL</b>	<b>80</b>	<b>10</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>8</b>	<b>16</b>	<b>0</b>

**\*Wet cells for all 5K housing units: All current and future wet cells built are to be maintained under the terms of this contract.**

**Estimated housing units under renovation (in addition to wet cells) per 12 months: 250 Units**

**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

*NOTE: Because of continual renovations, the unit configuration and equipment are subject to change.  
BA = Bathroom; W/D = Washer/Dryer; WET CELL = Towers added to include washer/dryer and/or bathroom.*

**LANDSTUHL**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
3832	1	0	0	0	0	0	0	1	1	1	0
3833	1	0	0	0	0	0	0	1	1	1	0
3834	2	0	0	0	0	0	0	2	2	2	0
3835	2	0	0	0	0	0	0	2	2	2	0
3840	18	6	0	6	0	0	0	6	6	0	0
3841	18	6	0	6	0	0	0	6	6	0	0
3842	18	6	0	6	0	0	0	6	6	0	0
3843	18	6	6	6	0	6	0	6	6	6	0
3844	18	6	0	6	0	0	0	6	6	0	0
3852	4	0	0	2	0	0	0	2	0	0	0
3854	4	0	0	2	0	0	0	2	0	0	0
3855	18	6	0	6	0	0	0	6	6	0	0
3856	18	6	0	6	0	0	0	6	6	0	0
3857	18	6	0	6	0	0	0	6	6	0	0
3861	18	6	6	6	0	6	0	6	6	6	0
3862	6	3	3	3	0	3	0	0	0	0	0
3863	18	6	6	6	0	6	0	6	6	6	0
3864	18	6	6	6	0	6	0	6	6	6	0
3866	18	6	6	6	0	6	0	6	6	6	0
3867	18	6	6	6	0	6	0	6	6	6	0
3868	6	3	3	3	0	3	0	0	0	0	0
3869	18	6	6	6	0	6	0	6	6	6	0
3870	18	6	0	6	0	0	0	6	6	0	0
3872	12	6	6	6	0	6	0	0	0	0	0
<b>TOTAL</b>	<b>308</b>	<b>102</b>	<b>54</b>	<b>106</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>100</b>	<b>96</b>	<b>48</b>	<b>0</b>

**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

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BA = Bathroom; W/D = Washer/Dryer; WET CELL = Towers added to include washer/dryer and/or bathroom.*

**LANDSTUHL ATTIC**

BLDG	# UN	2 BR	HAS W/D	5 BR	HAS 2ND BA	HAS W/D
3840	4	2	2	2	2	2
3841	4	2	2	2	2	2
3842	4	2	2	2	2	2
3843	4	2	2	2	2	2
3844	4	2	2	2	2	2
3855	3	2	2	1	1	1
3856	4	2	2	2	2	2
3857	2	0	0	2	2	2
3861	4	2	2	2	2	2
3863	4	2	2	2	2	2
3864	4	2	2	2	2	2
3866	2	0	0	2	2	2
3869	4	2	2	2	2	2
3870	4	2	2	2	2	2
<b>TOTAL</b>	<b>51</b>	<b>24</b>	<b>24</b>	<b>27</b>	<b>27</b>	<b>27</b>

**TECHNICAL EXHIBIT 2b (Continued)**  
**FACILITIES TO BE MAINTAINED**

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BA = Bathroom;     W/D = Washer/Dryer;     WET CELL = Towers added to include washer/dryer and/or bathroom.

**RAMSTEIN**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
801	18	6	0	6	0	0	0	6	6	6	6
802	24	16	16	8	8	8	8	0	0	0	0
803	24	16	16	8	8	8	8	0	0	0	0
804	24	16	16	8	8	8	8	0	0	0	0
805	24	16	16	8	8	8	8	0	0	0	0
806	24	16	16	8	8	8	8	0	0	0	0
807	24	16	16	8	8	8	8	0	0	0	0
808	24	16	16	8	8	8	8	0	0	0	0
809	24	16	16	8	8	8	8	0	0	0	0
810	24	16	16	8	8	8	8	0	0	0	0
811	24	16	16	8	8	8	8	0	0	0	0
812	24	16	16	8	8	8	8	0	0	0	0
814	24	16	16	8	8	8	8	0	0	0	0
815	24	16	0	8	8	8	8	0	0	0	0
816	24	16	16	8	8	8	8	0	0	0	0
817	18	6	6	6	0	6	0	6	6	6	6
818	18	6	6	6	0	6	0	6	6	6	6
819	18	6	6	6	0	6	0	6	6	6	6
820	18	6	0	6	0	0	0	6	6	6	6
821	18	6	6	6	0	6	0	6	6	6	6
822	18	6	0	6	0	0	0	6	6	6	6
823	18	6	0	6	0	0	0	6	6	6	6
824	18	6	0	6	0	0	0	6	6	6	6
825	18	6	0	6	0	0	0	6	6	6	6
826	18	6	0	6	0	0	0	6	6	6	6
827	18	6	0	6	0	0	0	6	6	6	6
828	18	6	0	6	0	0	0	6	6	6	6
829	18	6	0	6	0	0	0	6	6	6	6
830	18	6	0	6	0	0	0	6	6	6	6
831	18	6	6	6	0	6	0	6	6	6	6
833	18	6	0	6	0	0	0	6	6	6	6
834	18	6	0	6	0	0	0	6	6	6	6
835	18	6	0	6	0	0	0	6	6	6	6
836	18	6	0	6	0	0	0	6	6	6	6
837	18	6	0	6	0	0	0	6	6	6	6
838	18	6	0	6	0	0	0	6	6	6	6
839	18	6	0	6	0	0	0	6	6	6	6
840	18	6	0	6	0	0	0	6	6	6	6
841	18	6	0	6	0	0	0	6	6	6	6

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**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

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**RAMSTEIN (Continued)**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
842	18	6	0	6	0	0	0	6	6	6	6
844	18	6	6	6	0	6	0	6	6	6	6
845	18	6	6	6	0	6	0	6	6	6	6
846	18	6	6	6	0	6	0	6	6	6	6
847	18	6	6	6	0	6	0	6	6	6	6
848	18	6	6	6	0	6	0	6	6	6	6
849	18	6	6	6	0	6	0	6	6	6	6
850	18	6	6	6	6	6	0	6	6	6	6
901	24	16	16	8	8	8	8	0	0	0	0
903	24	16	16	8	8	8	8	0	0	0	0
905	24	16	16	8	8	8	8	0	0	0	0
906	16	8	8	8	8	8	8	0	0	0	0
907	24	16	16	8	8	8	8	0	0	0	0
909	24	16	16	8	8	8	8	0	0	0	0
910	24	16	16	8	8	8	8	0	0	0	0
911	24	16	16	8	8	8	8	0	0	0	0
912	24	16	16	8	8	8	8	0	0	0	0
913	24	16	16	8	8	8	8	0	0	0	0
914	24	16	16	8	8	8	8	0	0	0	0
1005	24	16	16	8	8	8	8	0	0	0	0
1006	24	16	16	8	8	8	8	0	0	0	0
1007	24	16	16	8	8	8	8	0	0	0	0
1008	24	16	16	8	8	8	8	0	0	0	0
1009	24	16	16	8	8	8	8	0	0	0	0
1010	1	0	0	0	0	0	0	1	1	1	0
1012	1	0	0	0	0	0	0	1	1	1	0
1013	1	0	0	0	0	0	0	1	1	1	0
1102	4	0	0	2	0	0	0	2	0	0	0
1103	4	0	0	2	0	0	0	2	0	0	0
1104	4	0	0	2	0	0	0	2	0	0	0
1105	4	0	0	2	0	0	0	2	0	0	0
1106	4	0	0	2	0	0	0	2	0	0	0
1107	4	0	0	2	0	0	0	2	0	0	0
1108	4	0	0	2	0	0	0	2	0	0	0
1109	4	0	0	2	0	0	0	2	0	0	0
1110	24	16	16	8	8	8	8	0	0	0	0
1111	24	16	16	8	8	8	8	0	0	0	0
1112	2	0	0	0	0	0	0	2	2	2	0
1113	4	0	0	2	0	0	0	2	0	0	0

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FACILITIES TO BE MAINTAINED**

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**RAMSTEIN (Continued)**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
1114	24	16	16	8	8	8	8	0	0	0	0
1115	24	16	16	8	8	8	8	0	0	0	0
1116	24	16	16	8	8	8	8	0	0	0	0
1117	24	16	16	8	8	8	8	0	0	0	0
1118	2	0	0	0	0	0	0	2	2	2	0
1119	24	16	16	8	8	8	8	0	0	0	0
1120	24	16	16	8	8	8	8	0	0	0	0
1121	24	16	16	8	8	8	8	0	0	0	0
1122	24	16	16	8	8	8	8	0	0	0	0
1140	2	0	0	0	0	0	0	2	2	2	0
1141	2	0	0	0	0	0	0	2	2	2	0
1204	18	6	0	6	0	0	0	6	6	6	6
1205	18	6	0	6	0	0	0	6	6	6	6
1206	24	16	16	8	8	8	8	0	0	0	0
1207	24	16	16	8	8	8	8	0	0	0	0
1208	24	16	16	8	8	8	8	0	0	0	0
1209	24	16	16	8	8	8	8	0	0	0	0
1210	24	16	16	8	8	8	8	0	0	0	0
1211	24	16	16	8	8	8	8	0	0	0	0
1212	24	16	0	8	8	8	8	0	0	0	0
<b>TOTAL</b>	<b>1,797</b>	<b>954</b>	<b>784</b>	<b>604</b>	<b>382</b>	<b>448</b>	<b>376</b>	<b>239</b>	<b>221</b>	<b>221</b>	<b>210</b>

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**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

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**SEMBACH**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
20	2	0	0	1	1	1	0	1	1	1	0
24	18	6	0	6	0	0	0	6	6	6	6
25	18	6	0	6	0	0	0	6	6	6	6
26	18	6	0	6	0	0	0	6	6	6	6
28	18	6	0	6	0	0	0	6	6	6	6
29	18	6	0	6	0	0	0	6	6	6	6
30	18	6	0	6	0	0	0	6	6	6	6
31	18	6	0	6	0	0	0	6	6	6	6
32	18	6	0	6	0	0	0	6	6	6	6
34	18	6	0	6	0	0	0	6	6	6	6
36	18	6	0	6	0	0	0	6	6	6	6
37	18	6	6	6	0	6	0	6	6	6	6
38	18	6	6	6	6	6	6	6	6	6	6
50	18	6	0	6	0	0	0	6	6	6	6
51	18	6	0	6	0	0	0	6	6	6	6
63	18	6	6	6	6	6	6	6	6	6	6
64	18	6	6	6	6	6	6	6	6	6	6
65	18	6	6	6	6	6	6	6	6	6	6
67	18	6	6	6	0	0	0	6	6	6	6
68	18	6	0	6	0	0	0	6	6	6	6
74	18	6	0	6	0	0	0	6	6	6	6
75	18	6	0	6	0	0	0	6	6	6	6
76	18	6	6	6	6	6	6	6	6	6	6
77	18	6	0	6	0	0	6	6	6	6	6
79	18	6	6	6	6	6	6	6	6	6	6
80	18	6	6	6	6	6	6	6	6	6	6
81	18	6	6	6	6	6	6	6	6	6	6
93	18	6	6	6	6	6	6	6	6	6	6
94	18 12	0	0	6	6	6	6	6	6	6	6
<b>TOTAL</b>	<b>500</b> 506	<b>162</b> 168	<b>66</b> 72	<b>169</b>	<b>61</b>	<b>67</b>	<b>66</b>	<b>169</b>	<b>169</b>	<b>169</b>	<b>168</b>

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**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

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**VOGELWEH**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
1005	12	6	0	6	0	0	0	0	0	0	0
1006	12	6	0	6	0	0	0	0	0	0	0
1007	24	16	16	8	8	8	8	0	0	0	0
1008	12	6	0	6	0	0	0	0	0	0	0
1009	24	16	0	8	8	8	8	0	0	0	0
1010	12	6	0	6	0	0	0	0	0	0	0
1011	24	16	0	8	8	8	8	0	0	0	0
1012	12	6	0	6	0	0	0	0	0	0	0
1013	24	16	0	8	8	8	8	0	0	0	0
1014	24	16	0	8	0	0	0	0	0	0	0
1015	24	16	0	8	0	0	0	0	0	0	0
1016	24	16	0	8	0	0	0	0	0	0	0
1017	24	16	0	8	0	0	0	0	0	0	0
1018	24	16	0	8	0	0	0	0	0	0	0
1019	24	16	0	8	8	8	8	0	0	0	0
1020	24	16	0	8	8	8	8	0	0	0	0
1021	24	16	0	8	8	8	8	0	0	0	0
1022	16	16	0	0	0	0	0	0	0	0	0
1023	16	16	0	0	0	0	0	0	0	0	0
1024	16	16	0	0	0	0	0	0	0	0	0
1025	24	16	0	8	8	8	8	0	0	0	0
1050	1	0	0	0	0	0	0	1	1	1	0
1051	1	0	0	0	0	0	0	1	1	1	0
1052	1	0	0	0	0	0	0	1	1	1	0
1053	1	0	0	0	0	0	0	1	1	1	0
1054	1	0	0	0	0	0	0	1	1	1	0
1101	24	16	0	8	8	8	8	0	0	0	0
1102	16	8	0	8	0	0	0	0	0	0	0
1103	24	16	0	8	8	8	8	0	0	0	0
1104	24	16	16	8	8	8	8	0	0	0	0
1105	24	16	16	8	8	8	8	0	0	0	0
1106	24	16	16	8	8	8	8	0	0	0	0
1107	24	16	0	8	0	0	0	0	0	0	0
1108	24	16	0	8	0	0	0	0	0	0	0
1109	16	16	0	0	0	0	0	0	0	0	0
1110	24	16	0	8	0	0	0	0	0	0	0
1111	16	8	0	8	0	0	0	0	0	0	0
1112	16	16	0	0	0	0	0	0	0	0	0

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**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

*NOTE: Because of continual renovations, the unit configuration and equipment are subject to change.  
BA = Bathroom; W/D = Washer/Dryer; WET CELL = Towers added to include washer/dryer and/or bathroom.*

**VOGELWEH (Continued)**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
1113	16	8	0	8	0	0	0	0	0	0	0
1114	24	16	0	8	0	0	0	0	0	0	0
1115	16	8	0	8	0	0	0	0	0	0	0
1116	24	16	0	8	0	0	0	0	0	0	0
1117	16	16	0	0	0	0	0	0	0	0	0
1118	24	16	16	8	0	8	0	0	0	0	0
1119	16	16	0	0	0	0	0	0	0	0	0
1120	24	16	16	8	0	8	0	0	0	0	0
1121	16	16	0	0	0	0	0	0	0	0	0
1122	24	16	16	8	0	8	0	0	0	0	0
1123	24	16	16	8	0	8	0	0	0	0	0
1124	24	16	16	8	0	8	0	0	0	0	0
1125	24	16	16	8	8	8	8	0	0	0	0
1126	24	16	0	8	0	0	0	0	0	0	0
1127	24	16	0	8	0	0	0	0	0	0	0
1128	24	16	0	8	0	0	0	0	0	0	0
1129	24	16	0	8	0	0	0	0	0	0	0
1130	16	8	0	8	0	0	0	0	0	0	0
1131	24	16	0	8	0	0	0	0	0	0	0
1132	16	8	0	8	0	0	0	0	0	0	0
1133	24	16	0	8	0	0	0	0	0	0	0
1134	16	8	0	8	0	0	0	0	0	0	0
1135	24	16	0	8	0	0	0	0	0	0	0
1136	16	8	0	8	0	0	0	0	0	0	0
1137	24	16	0	8	0	0	0	0	0	0	0
1138	16	8	0	8	0	0	0	0	0	0	0
1139	16	16	0	0	0	0	0	0	0	0	0
1140	16	8	0	8	0	0	0	0	0	0	0
1141	24	16	0	8	0	0	0	0	0	0	0
1142	16	8	0	8	0	0	0	0	0	0	0
1143	24	16	0	8	0	0	0	0	0	0	0
1144	16	16	0	0	0	0	0	0	0	0	0
1145	24	16	0	8	0	0	0	0	0	0	0
1146	16	8	0	8	0	0	0	0	0	0	0
1147	24	16	0	8	0	0	0	0	0	0	0
1148	16	8	0	8	0	0	0	0	0	0	0
1149	24	16	0	8	0	0	0	0	0	0	0
1150	16	8	0	8	0	0	0	0	0	0	0
1151	24	16	16	8	8	8	8	0	0	0	0

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**TECHNICAL EXHIBIT 2b (Continued)  
FACILITIES TO BE MAINTAINED**

*NOTE: Because of continual renovations, the unit configuration and equipment are subject to change.*

*BA = Bathroom; W/D = Washer/Dryer; WET CELL = Towers added to include washer/dryer and/or bathroom.*

**VOGELWEH (Continued)**

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
1152	16	8	0	8	0	0	0	0	0	0	0
1153	16	8	0	8	0	0	0	0	0	0	0
1154	24	16	16	8	8	8	8	0	0	0	0
1155	24	16	0	8	0	0	0	0	0	0	0
1156	24	16	16	8	8	8	8	0	0	0	0
1157	24	16	0	8	0	0	0	0	0	0	0
1158	24	16	0	8	0	0	0	0	0	0	0
1159	24	16	16	8	0	8	0	0	0	0	0
1160	24	16	16	8	0	8	0	0	0	0	0
1161	24	16	0	8	0	0	0	0	0	0	0
1162	24	16	0	8	0	0	0	0	0	0	0
1163	24	16	0	8	0	0	0	0	0	0	0
1164	24	16	0	8	0	0	0	0	0	0	0
1166	24	16	0	8	0	0	0	0	0	0	0
1168	24	16	0	8	0	0	0	0	0	0	0
1170	24	16	0	8	0	0	0	0	0	0	0
1172	18	6	6	6	0	6	0	6	6	6	0
1173	18	6	6	6	0	6	0	6	6	6	0
1174	18	6	6	6	0	6	0	6	6	6	0
1175	18	6	6	6	0	6	0	6	6	6	0
1176	18	6	6	6	0	6	0	6	6	6	0
1177	18	6	6	6	0	6	0	6	6	6	0
1180	4	0	0	2	0	0	0	2	0	0	0
2713	18	6	6	6	6	6	0	6	6	6	0
2714	18	6	6	6	0	6	0	6	6	6	0
2715	18	6	6	6	0	6	0	6	6	6	0
2717	18	6	6	6	0	6	0	6	6	6	0
2718	18	6	0	6	0	0	0	6	6	0	0
2719	18	6	0	6	0	0	0	6	6	0	0
2720	18	6	0	6	0	0	0	6	6	0	0
2721	18	6	0	6	0	0	0	6	6	0	0
2722	18	9	0	9	0	0	0	0	0	0	0
2723	16	8	0	8	0	0	0	0	0	0	0
2724	16	16	0	0	0	0	0	0	0	0	0
2725	16	16	0	0	0	0	0	0	0	0	0
2726	16	16	0	0	0	0	0	0	0	0	0
2727	16	16	0	0	0	0	0	0	0	0	0
2728	16	8	0	8	0	0	0	0	0	0	0
2729	16	8	0	8	0	0	0	0	0	0	0

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**TECHNICAL EXHIBIT 2b (Continued)**  
**VOGELWEH (Continued)**

*NOTE: Because of continual renovations, the unit configuration and equipment are subject to change.*  
BA = Bathroom;      W/D = Washer/Dryer;      WET CELL = Towers added to include washer/dryer and/or bathroom.

BLDG	# UN	2 BR	HAS W/D	3 BR	HAS 2ND BA	HAS W/D	HAS WET CELL	4 BR	HAS 2ND BA	HAS W/D	HAS WET CELL
2731	16	8	0	8	0	0	0	0	0	0	0
2732	16	8	8	8	0	8	0	0	0	0	0
2733	24	16	16	8	0	8	0	0	0	0	0
2734	24	16	16	8	0	8	0	0	0	0	0
2735	24	16	16	8	0	8	0	0	0	0	0
<b>TOTAL</b>	<b>2,339</b>	<b>1,475</b>	<b>356</b>	<b>773</b>	<b>142</b>	<b>260</b>	<b>137</b>	<b>91</b>	<b>89</b>	<b>65</b>	<b>0</b>

**ATTIC UNITS - VOGELWEH**

FAC	# UN	2 BR	HAS W/D	5 BR	HAS 2ND BA	HAS W/D
1173	1	0	0	*1	0	1
1174	2	0	0	2	0	2
1175	3	1	1	2	0	2
1176	3	1	1	2	0	2
1177	2	0	0	2	0	2
2713	4	2	2	2	0	2
2714	4	2	2	2	0	2
2715	4	2	2	2	0	2
2717	4	2	2	2	0	2
2718	4	2	2	2	0	2
2719	4	2	2	2	0	2
2720	3	2	2	1	0	1
	<b>38</b>	<b>16</b>	<b>16</b>	<b>22</b>	<b>0</b>	<b>22</b>

\*Building 1173 has one 8-bedroom attic unit which is not continually occupied.  
 When occupied, this unit is frequently used as a 5-bedroom unit.

**TECHNICAL EXHIBIT 2b (Continued)**  
**IXHEIM (Leased Units) (Removed from PWS after 31 March 2000)**

TYPE BLDG	NO. UNITS	3 BR/2 BA	4 BR/2 BA
Single	4	0	4
Townhouse	22	14	8
Duplex	8	0	8
	34	14	20

*All units have two baths and a single garage.*

**FREQUENCY OF REGULAR CLEANING OF STAIRWELLS IN THE KMC**

**(NOTE: Periodic cleaning is performed twice each year on all buildings.)**

**Ixheim is excluded from stairwell cleaning.**

Area	Cleaning Per Week	Bldgs	Bldgs with 3 SW	Bldgs with 2 SW	Bldgs with 1 SW	Bldgs with 0 SW
Fliegerstrasse	Once	26	0	0	16	10
Landstuhl	Twice	24	15	1	4	4
Ramstein	Twice	98	81	1	9	7
Sembach	Twice	29	28	0	0	1
Vogelweh	Twice	121	74	41	1	5
<b>Total</b>		<b>298</b>	<b>198</b>	<b>43</b>	<b>30</b>	<b>27</b>
			<b>x3</b>	<b>x2</b>	<b>x1</b>	
			<b>594</b>	<b>86</b>	<b>30</b>	

**NO. OF STAIRWELLS BY BUILDING HEIGHT**

	Fliegerstrasse	Landstuhl	Ramstein	Sembach	Vogelweh	Total SW
2-Story	16	2	9	0	1	28
3-Story	0	4	105	84	19	212
4-Story	0	42	140	0	288	470
<b>Total</b>	<b>16</b>	<b>48</b>	<b>254</b>	<b>84</b>	<b>308</b>	<b>710</b>

**TECHNICAL EXHIBIT 2c  
EQUIPMENT**

1. Existing equipment to be inspected and maintained:

General		
NO. OF UNITS	INSTALLED EQUIPMENT DESCRIPTION	FREQUENCY OF INSPECTION
*3,033	Fire Extinguisher	Annually
*3,033	Smoke Detectors	Annually
298 Bldgs	Gutters and Downspouts (See table below)	Semiannually
1,500	Cathodic Protection	Annually
1,500	Air Valves	Annually

*\*Assuming inspection is performed during 2,079 estimated COMs*

ESTIMATE OF GUTTER AND DOWNSPOUT QUANTITIES IN KMC					
Units Per Bldg	Qty Bldgs	Est Avg Linear Meter Of Gutter	Est Total Gutter Per Bldg Type	Est Avg Linear Meter Downspouts	Est Total Downspouts Per Bldg Type
24	105	154	16,170	168	17,640
18-22	93	154	14,322	112	10,416
12-16	43	86	3,698	56	2,408
4-6	30	88	2,640	32	960
2	13	106	1,378	24	312
1	14	90	1,260	30	420
<b>TOTAL</b>	<b>298</b>		<b>39,468</b>		<b>32,156</b>
<b>Estimate for replacement per year: 1,000 linear meters.</b>					

2. Unique existing equipment to be serviced (no recurring inspection required):

Area	Bldgs With Fireplaces	Qty	Garbage Disposals	Qty	Intercoms	Qty
Fliegerstr Am Blutacker	2671, 2763, 2675, 2676	4	None	0	2673, 2675, 2676	3
Landstuhl	3832, 3833	2	None	0	None	0
Ramstein	1010, 1012, 1013, 1040(AB), 1041(AB), 1112(AB), 1118(AB)	11	1010, 1012, 1013, 1112A&B, 1118A&B, 1140A&B, 1141A&B	11	1010, 1012, 1013, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1112, 1113, 1118, 1140, 1141	46
Sembach	20-B	1	20-A	1	20	2
Vogelweh	1050, 1051, 1052, 1053, 1054	5	None	0	1050, 1051, 1052, 1053, 1054	8
		<b>23</b>		<b>12</b>		<b>59</b>

3. Other miscellaneous existing equipment with varying quantities (no recurring inspection required):

EQUIPMENT	EST QTY	ESTIMATED QUANTITY/REMARKS			
Ceiling fans	100	As units are renovated, ceiling fans are installed in living room and master bedroom. Bldgs 2733, 2734, 2735.			
Doorbells	5112				
Extractor fans	Unavailable	Located in most bathrooms and in all range hoods			
Mailboxes	5112	Configuration varies from 1 mailbox for single units, to a cluster of 24 mailboxes for 4 story, 3 stairwell multifamily unit.			
Patio awnings	87	Single and duplex units.			
Rolladens	Unavailable	Single and duplex units, and some ground level multifamily units. Approximately 20 per year are replaced.			
Roof ventilators	Unavailable	Quantity varies, depending on size of building.			
Range hoods	85% of Units	The approximately 15% of older units with no range hoods will have range hoods when renovations are complete.			
Bathtubs	FY00: 75	FY01: 70	FY02: 65	FY03: 60	FY04: 50
Quantities decline during contract period due to replacement under this contract and through continuing renovations.					
Water protection device (water softener)	2	Basement of Bldg 20, Sembach, and Bldg 1051, Vogelweh			

4. Workload Estimates for Appliances and Equipment. These are estimated quantities expected to be replaced each month:

APPLIANCE	RAMSTEIN /IXHEIM (*)	SEMBACH	VOGELWEH, LANDSTUHL, FLIEGERSTRASSE AM BLUTACKER	TOTAL
GARBAGE DISPOSALS	1 for both areas		0	1
DISHWASHER	12	9	8	29
DRYER	*12	8	25	45
REFRIGERATOR	*12	13	32	57
STOVE	*16	12	25	53
WASHER	*12	13	25	50
VENT HOODS	6	6	8	20
*Reduce appliances by 1% after 31 Mar 00 when Ixheim is no longer included in Appliance Management.				

5. Workload Estimates for Locks/Keys. These are estimated quantities expected to be replaced each year:

Type Lock	Annual Usage
Medico	884
BKS	260
BKS System	312
<b>Usage</b>	<b>1,456</b>

Estimate of key replacements per month for all key requirements: 20 keys.

6. RESERVED

7. Other Workload Estimates. These are estimated quantities expected to be replaced each year:

WORKLOAD	QTY	UNIT
Replacement of wall-to-wall carpeting	580	SQM
Replacement of PVC floor tiles	472	SQM
Replacement of hardwood floor (parquet and strip)	472	SQM
Refinish hardwood floors (parquet and strip)	73,986	SQM
Countertop Replacement	48	EA
Vanity Replacement	75	EA
Roof Replacement	3,000	SQM
Gutter and Downspout Replacement	1,000	LM

8. Workload Estimates for U-Fix-It Stores. These are estimated monthly quantities to be issued to housing occupants from the four U-Fix-It Stores.

OCCUPANTS				BUILDING LEADERS AND ASSISTANTS	
Bathroom And Kitchen	Est Mo Usage	Miscellaneous Items	Est Mo Usage	Items	Est Mo Usage
Burner for stove	100	Anchor and screw	500	Bulb, fluorescent	800
Cabinet knob	400	Bulbs (appliance, candlelight, incandescent, and teardrop)	700	Dryer hose and clamp	125
Bottled Water cases	540	Hose Bib Keys (outside) Sembach only	25	*Brooms for spring clean-up only	300
Chain for drain stopper	175	Chain lock for entrance door	80	*Grass shears	50
Commode seat (plastic and wood)	175	Child-proof 220 outlet cover	350	*Outside water hose	175
Drip pan	800	Curtain hook (pkg)	200	*Rake	250
Glass shelf	40	Drop cloth	80	*Salt (Bags)	1200
Drain stopper, (rubber)	165	Hook and eyelock	50	*Shovel	120
Knob (burner and oven)	250	Humidifier	175	*Snow shovel	400
Shower head	275	Paint (enamel ivory and latex white) (gallon)	125	*Sprinkler	40
Shower holder	135	Paint brushes (5 sizes)	274	Trash Bags	3000
Shower hose	275	Picture hanger (pkg)	100	Washer hose	75
Soap dish	75	Dryer hose and clamp	125	Hedge Shears	60
Toilet tissue holder	75	Recycle bag	2,500	* Seasonal items. Quantities represent a 4-month supply.	
Toothbrush holder	35	Roller and pan	100		
Towel bar	75	Shelf holder	250		
		Weather stripping for door (all edges)	75		

9. Workload estimates for Hazardous materials, excluding asbestos: 6,876 kg per 12 month period.

**MFH MAINTENANCE  
HAZARDOUS WASTE STREAM INVENTORY ‡**

SITE NUMBER †				SHOP NAME				
PROCESS	WASTE TYPE	CLIN	OLD WASTE ID	NEW WASTE ID	EST. DISP QTY (KG)		CONTAINER TYPE	WASTE PROFILE NUMBER
<b>L3741A</b>				<b>786 CES/CEOFH--Landstuhl MFH Self Help</b>				
Light Tube Exchanges	Fluorescent Light Tubes & Na/Hg Discharge Lamps	E2145	N/A	L3741A-FA001	500		EES LSR, 1.5 m3	0024
<b>R0859A</b>				<b>786 CES/CEOFH-R--MFH Maintenance</b>				
MFH Maintenance Collection Point	Batteries, Dry Cell, Alkaline	E0505	08HW03	R0859A-BA001	60		Drum, Plastic, 60 ltr	0005
MFH Maintenance Collection Point	Paint Cans w/Partially Solidified Paint	E3120	N/A	R0859A-PA001	1,300		EES ASP, 0.8 m3	0032
MFH Maintenance Collection Point	Paint, Free of Halogenated Solvents	E3120	N/A	R0859A-PA002	50		Drum, Metal, 55 GL	0031
Lawn Mower PM	Used Oil/Fuel	E3977	08HW02	R0859A-PM001	1,000		Rietberg Tank, 950 ltr	0053B
<b>R0867A</b>				<b>786 CES/CEOFH-R--MFH Maintenance</b>				
MFH Maintenance Collection Point	Fluorescent Light Tubes & Na/Hg Discharge Lamps	E2145	N/A	R0867A-FA001	1,000		EES LSR, 1.5 m3	0024
<b>S0085A</b>				<b>786 CES/CEOFH-S--Sembach Annex MFH Maintenance</b>				
Flashlight Battery Changes	Batteries, Dry Cell, Alkaline	E0505	52HW02	S0085A-BA001	1		* Upon being generated waste is taken to site S0194A for turn-in & disposal	0005
Light Bulb Changes	Fluorescent Light Tubes & Na/Hg Discharge Lamps	E2145	52HW01	S0085A-FA001	200		EES LSR, 1.5 m3	0024
Lubricating Locks & Windows	Aerosol Cans (WD-40)	E4506	52HW04	S0085A-FA002	5		Upon being generated waste is taken to site S0194A for turn-in & disposal	0054
Painting	Paint Cans/Partially Solidified Paint	E3120	52HW03	S0085A-PA001	20		Upon being generated waste is taken to site S0194A for turn-in & disposal	0032
<b>V1049A</b>				<b>786 CES/CEOFH-E--Vogelweh MFH Maintenance</b>				
Battery Collection	Batteries, Dry Cell, Alkaline	E0505	48HW03	V1049A-BA001	40		Battery Container, 5 GL	0005
MFH Maintenance/Collection Point	Fluorescent Light Tubes & Na/Hg Discharge Lamps	E2145	48HW02	V1049A-FA001	1,500		EES LSR, 1.5 m3	0024
MFH Maintenance/Collection Point	Paint-Related Materials	E3120	48HW01	V1049A-PA001	400		EES ASP, 0.8 m3	0035
MFH Maintenance/Collection Point	Paint Cans/Partially Solidified Paint	E3120	N/A	V1049A-PA002	800		EES ASP, 0.8 m3	0032

‡ = This list is not all inclusive. Some of the hazardous wastes generated are sent to the Recycle Centers. In addition, this list does not include municipal solid wastes generated by these organizations (e.g. construction debris, etc.).

† = **Alpha Character of Site#:** R=RAMSTEIN AB S=SEMBACH ANNEX L=LANDSTUHL ANNEX V=VOGELWEH ANNEX  
**2nd Digit of Site#:** Refers to the Facility or Building Number.  
**3rd Alpha Character:** Refers to number of sites within the same facility. For example: A=1st Site; B=2nd Site; C=3rd Site; etc.

\* = Site S0194 is the Sembach Annex Recycle Center  
 The Contractor is responsible to provide containers, see paragraphs 4.9 and 5.12.

**TECHNICAL EXHIBIT 2d  
MINOR DISASTER HISTORY**

During the past 3 years no minor disasters have occurred in the KMC.

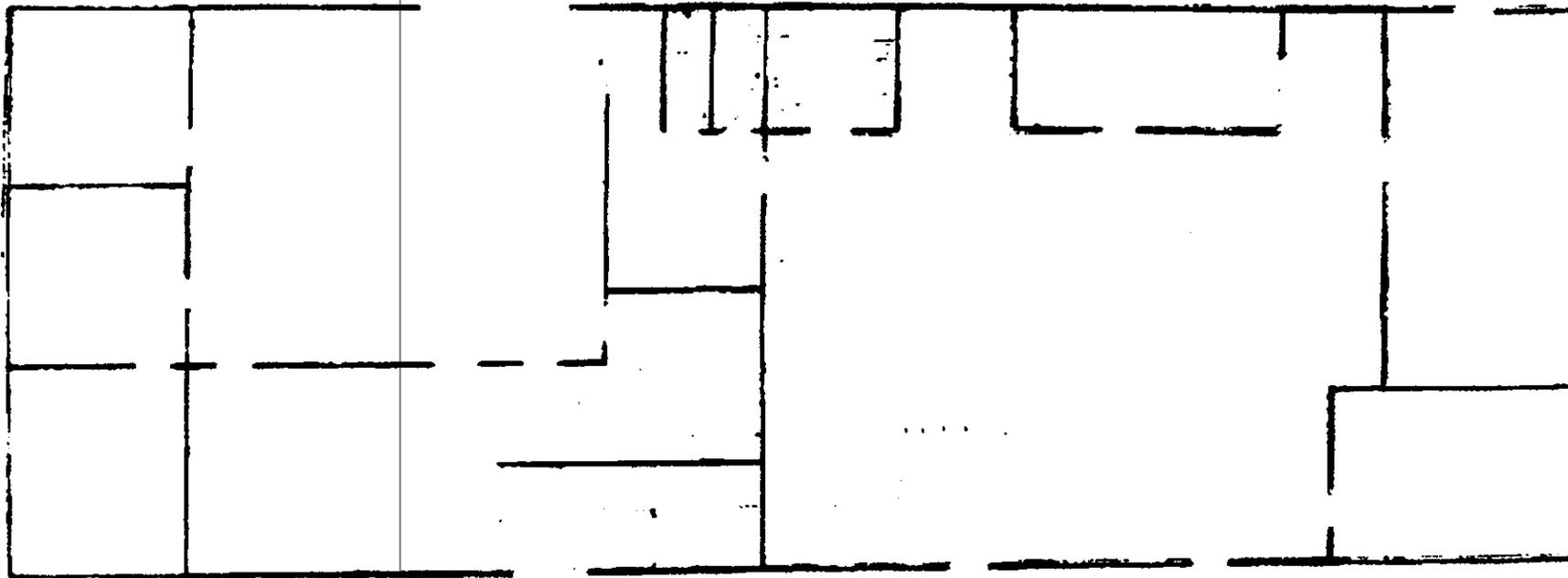
**TECHNICAL EXHIBIT 3  
WORK AREA LAYOUTS AND HOUSING UNIT FLOOR PLANS**

The floor plans, dimensions and square meters listed in this section are provided only as a guide to the contractor in estimating manpower, workload, and scheduling requirements. As such, they are only estimates and variations (major renovation, major repair) shall not constitute grounds for a claim against the Government. Some drawings are not to scale. See TE 5a for dimensions for Government furnished facilities.

**TECHNICAL EXHIBIT 3**  
**WORK AREA LAYOUTS AND HOUSING UNIT FLOOR PLANS**

The floor plans, dimensions and square meters listed in this section are provided only as a guide to the contractor in estimating manpower, workload, and scheduling requirements. As such, they are only estimates and variations (major renovation, major repair) shall not constitute grounds for a claim against the Government. Some drawings are not to scale. See TE 5a for dimensions for Government furnished facilities.

BUILDING 2775 KAPAIN AS 1st FLOOR

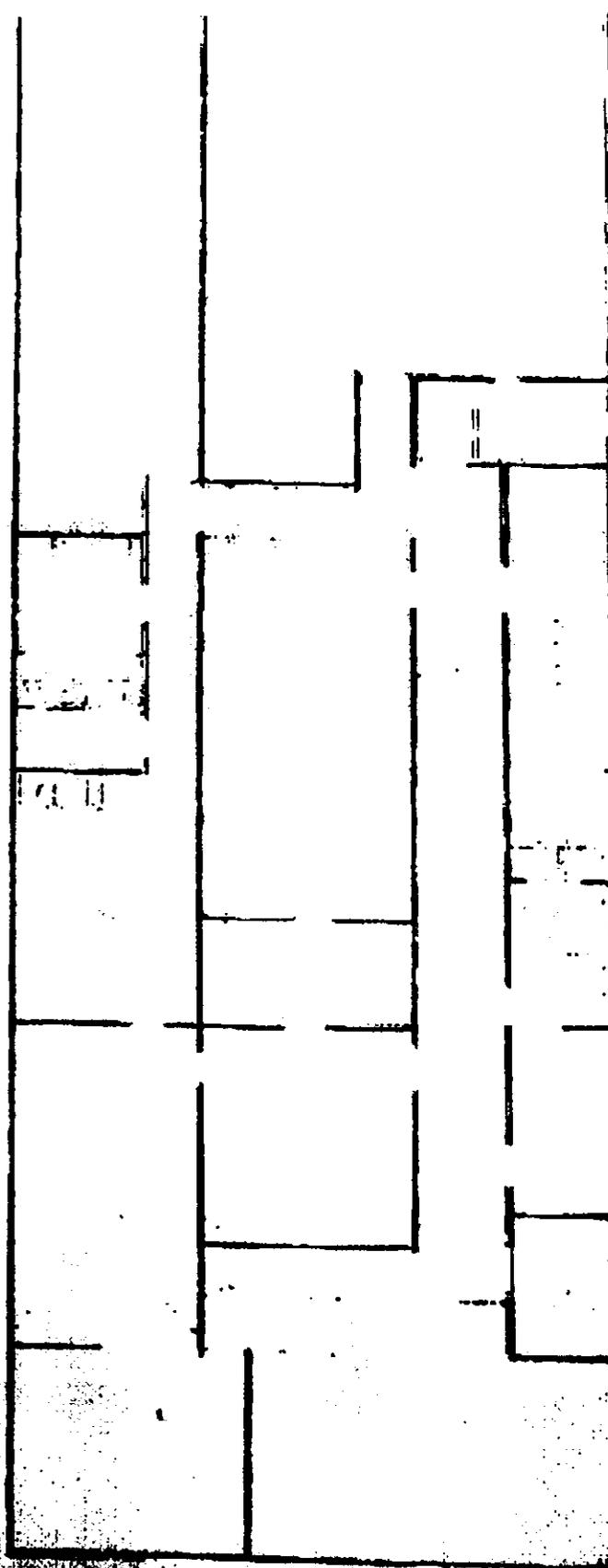


ESTIMATED SQUARE FEET 25,000  
SQUARE METERS 2,500

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Amendment 0002

TECHNICAL EXHIBIT 3 - WORK AREA LAYOUTS (1 OF 5)  
Main Office and Warehouse Area  
Page 59

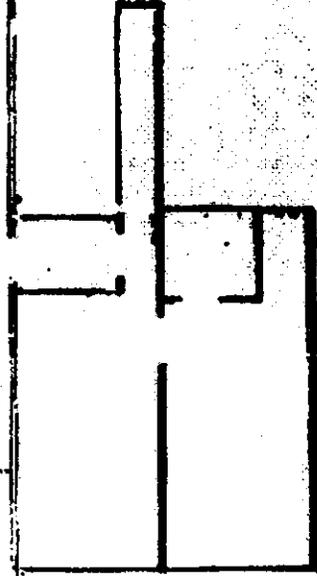
BUILDING 2775 KAPAUN AS 2nd FLOOR



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Amendment 0002

TECHNICAL EXHIBIT 3 - WORK AREA LAYOUTS (1 OF 5)  
Main Office and Warehouse Area  
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BUILDING 2775 KAPAUN AS CELLAR



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Amendment 0002

TECHNICAL EXHIBIT 3 - WORK AREA LAYOUTS (1 OF 5)  
Main Office and Warehouse Area  
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