- And Company	→¡U. S. COVERNMENT PRINTIN	NG OFFICE: 1981-765-604	/50		
	CON	TAGL DATE	LA:ID	PRIORITY	INITIALS
DRK REQUEST (MAINTENANCE MANAGEMEN VFAC 9-116/14/2028/2012-002-7510 FIAR 28 12 27 PH VBB		53 Ross	$ \mathcal{B} $	(PW Depo Jin NAVE	420
שט ווי פיני		(filled out by Request	or).		
Shop 51				G8-D	153-02
C420				4. DATE OF REQUES 3/28/88	
COST ESTIMATE OR FURTHER INFORMATION CALL	X serioswy, ics of Moss			3/29/88 7. SKETCH/PLAN AT	TACHED
P. Norris 3648/4461 or M. DESCRIPTION OF WORK AND JUSTINGATION (Including to	Henderson 2108				∑ ₩ 4
Shop 51 W/C 60 Bldg. 225 Subj: Scrubber Stack Ext					, , , , , , , , , , , , , , , , , , ,
Shop 51 Plating Shop reque	ests P.W. extend	the Chro	ne Room Sci	rubber Stac	ks .
by 3' (2ea) Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be	equies the exten	sion of the	Scrubber :	Stacks befo	re they
by 3' (2ea) Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the	equies the exten operation on M.L. #4/5/25 t requirement.	sion of the o perform c	Scrubber : ertification	Stacks befo on. C457 G	re they
Justification: C461 information Emission Control Board recan certify the Shop for NOTE: The state will be	equies the exten operation on M.L <u>.A/5/86</u> t	sion of the o perform c	Scrubber : ertification	Stacks befo on. C457 G	re they
Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the	equies the exten operation on M.L. A.6.88 t requirement.	sion of the operform co	Scrubber sertification	Stacks before on. C457 G	re they
by 3' (2ea) Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the 95-5 97-2 UNDS CHARGEANTE 9472610016	equies the extenoperation on M.I. 14/5/88 to requirement.	ia. signa ia. signa PATRI:	Scrubber sertification	Stacks before on. C457 G	re they
by 3' (2ea) Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the 95-5 71-2 UNIOS CHARGEAME 9472610016	equies the extenoperation on M.I. A. S. S. T. requirement.	ia. signa ia. signa PATRI:	Scrubber sertification	Stacks before on. C457 G	re they
Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the 95-5 91-2 UNIOS CHARGEAME 9472610016	equies the extenoperation on M.I. A. S. S. T. requirement.	is ion of the particle of the	Scrubber ertification of the Managerian of the M	Stacks before on. C457 G	re they
Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the 95-5 97-2 UNIOS CHARGEAME 9472610016 [Fil	equies the extenoperation on M.I. 14/5/88 to requirement.	10. SIGNATE TO Division if estimate	Scrubber sertification	Stacks before on. C457 G	re they
Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the 95-5 97-2 FUNDS CHARGEAME 9472610016 13. COST ESTIMATE Labor \$	equies the exten operation on M.I. A. 5.88 to requirement. PART II—CO PART II—CO III do out by Maintenance Cont	is ion of the particle of the	Scrubber ertification of the Managerian of the M	Stacks before on. C457 G	re they
Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the Mr. Emert is aware of the 95-5-79-2 FUNDS CHARGEAME 9472610016 [Fill To. 13. COST ESTIMATE Labor 8 Material 8 Overhead 8	equies the exten operation on M.I. A. 5.88 to requirement. PART II—CO PART II—CO III do out by Maintenance Cont	IO. SIGNA PATRI ST ESTIMATE TOI Division if estimate VITACHED YES APPROVED. PROGRA	Scrubber ertification of the Managerian of the M	Stacks befoon. C457 G	re they
Justification: C461 inform Emission Control Board re can certify the Shop for NOTE: The state will be Mr. Emert is aware of the 75-5 77-2 FUNDS CHARGEAME 7472610016 [Fill 10. 13. COST ESTIMATE Labor 8 Material Overhead and/or Surcharge Equipment	equies the exten operation on M.I. A. 5.88 to requirement. PART II—CO PART II—CO III do out by Maintenance Cont	IO. SIGNA IO. SIGNA PATRI DIST ESTIMATE FOO Division if estimon APPROVED. PROGRA AMPROVED. BASED (PROGRA AMPROVED. BASED (PROGRA	Scrubber Prification Prification Prification NOR NORR PROPERTY WORKLOW MARKED TO START IN REZED BY 25TH-OF	Stacks befoon. C457 G	re they /F
by 3' (2ea) Justification: C461 inform Emission Control Board recan certify the Shop for NOTE: The state will be Mr. Emert is aware of the 95-5 77-2 FUNDS CHARGEAINE 9472610016 (Fill	equies the exten operation on M.I. 145.88 to requirement	IO PETOTIN CO IO PETOTIN CO IO SIGNA PATRI ST ESTIMATE TOI Division if estimose VEACHED VES APPROVED. PROGRA ANTHON ARE MA	Scrubber ertification ertifi	Stacks befoon. C457 G	re they

19. AUTHORIZATION TO PROCEED IS ATTACHED (Check one if other than PW funds are involved) Na Sparia 20. WORK REQUESTED WILL BE PERFORMED NAVCOMPT 140 OTHER 21. SIGNATURE

(See Part IV on Reverse Side)

PART III—ACTION (Filled out by Requestor)

WORK ORDER (CONTROLLED MAINTENANCE) L. R. 1/ (MULTIPLE WORK CENTER) HINS 11014/12 (REV 10-81)	<u>9.30</u>	16 14 C1 2	OB DADER 947 WK GEN	26100	化基化剂 网络多角线属	100
PUBLIC WORKS DEPARTMI	EUT	02:	INSP	OTHR	A	
040 MPBABNCS	PAG CODE OZ25	WC 17 10	MH 23 28	LASOR 8 29 34	MAT'L 35 40	TOTAL 8
	PLAN ATT. YES NO	750	80	1544	1234	2778
WC DESCRIPTION OF WORK	DMATIL LIST	810	B	154	0	154
CHROME SCRUBBER STACK BLDG. 225	EXTENSING					
THE INTENT OF THIS TOB OR PROVIDE FUNDS FOR LABOR MATERIAL TO FABRICATE AND IS FOOT EXTENSIONS ON THE	AND ND INSTALL HE CHROME					, ,
SCRUBBER EXHAUST DUCTS	S AT BIDG					
JOB IN PROGRES	5 _	TOTAL	පිප	1698	1234 SUBCHARGE	2932
NOTE: 16 HRS. LABOR PROVID FABRICATION AND INSTALLAT 3 FT. RECTANGULAR EXTENSI	TION OF THE	TC 1-3	START DATE	GR	COMPL DATE	2932

WC 75 [64] m. H.

UTILIZING THE EXISTING 36" STACK EXTENSIONS FOR FLANGE AND
BOLT HOLE PATTERNS. FABRICATE NEW SECTIONS OF STACK EXTENSIONS
PER ATTACHED THREE C37SKETCHES. (G8-0153-M1 THRU M3).

FABRICATE TRANSITIONS USING II GAUGE STAWLESS STEEL. THE TRANSITIONS FROM THE 3914" X503/4" RECTANGULAR DUCT TO THE 24" ROUND DUCT WILL BE ZFT. HIGH. FABRICATE THREE (3) SECTIONS OF 12 GAUGE STAINLESS STEEL 4 FT. HIGH. 24" IN DIAMETER. FOR A TOTAL OF 15 FT. OF EXTENSIONS. (ZEA.)

AFTER INSTALLING THE 15 FT. EXTENSIONS ON THE SCRUBBERS.
FABRICATE AND INSTALL A ROUND COLLAR ON THE 24" ROUND DUCT TO ATTACH ANGLE IRON BRACES FROM THE ROOFS OF BLOG. 225 AND BLOG. IOI. MERSURE FROM EACH BLOG. AND FABRICATE ANGLE IRON

"NO ASBESTOS DETECTED	

Р	RIC	O FI	117	ΓΥ		湯	t d	
	e de la composición dela composición de la composición dela composición de la composición de la composición dela composición dela composición de la composición de la composición dela composición de la composición dela composición dela composición	5 (fa)	ξŧ,		-		, v 99	

IST COMPL DATE	ESTIMATOR 5-10-88	WORK AUTH APPROVED	FUNOS APPROVED
	FORNEY		The state of the s

DISTRIBUTION

115.2 402 402.2 420 (4) 440 () 463.4 () 467.4 () 630.211 () 403 () 3480N () NBAB2 (

SHT 1 OF 2

WORK ORDER CONTINUATION SHEET (CM)
12ND MINS 11014/9 (REV 5-72)

<u>68-0153-0225</u>

WORK ORDER NO. (JO/KO)
94726/00/C /00

LOCATION/TITLE
BLDG. 225 STACK EXTENSIONS

WORK CENTER

DESCRIPTION OF WORK

in a series of the series of t

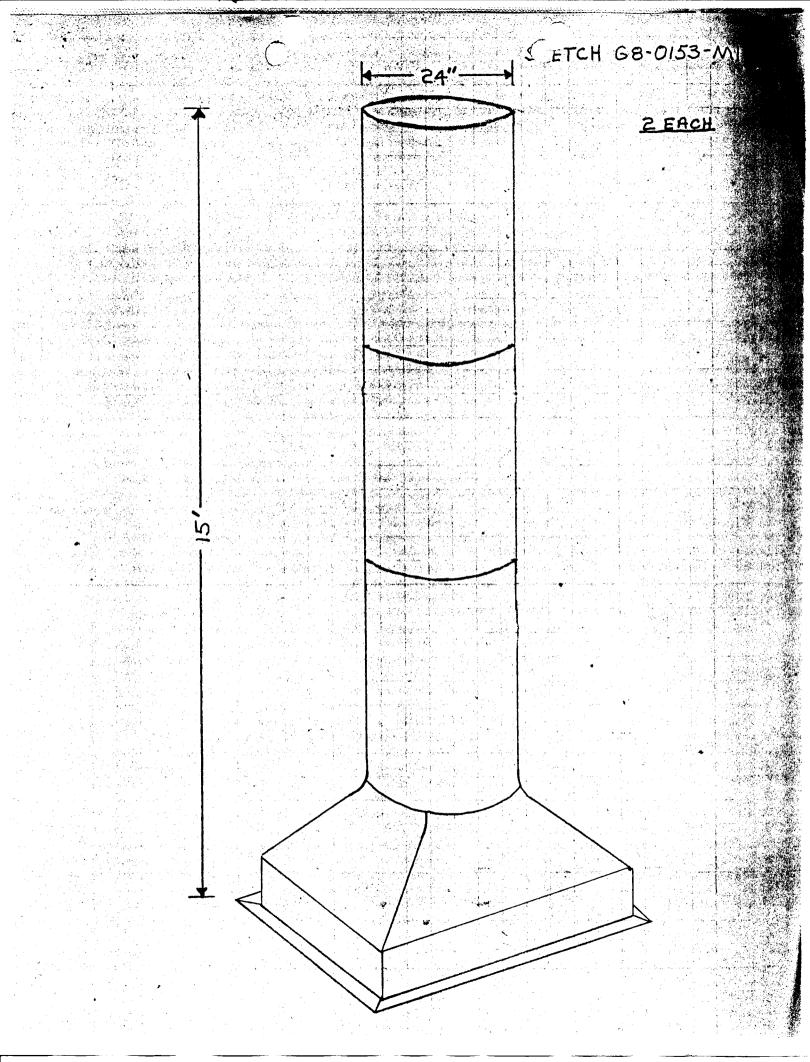
BRACES AND ATTACH TO THE ROOF EDGES AND THE NEW COLLARS ON THE ZA" ROUND DUCT AT A5° ANGLES. BLDG. 225 HAS A CONCRETE EDGE AND BLDG. 101 HAS A WOODEN EDGE. DUE TO THE UNABILITY TO OBTAIN CENTERLINE MEASUREMENTS FROM THE 24" ROUND DUCT TO THE ROOF EDGES ON A5° ANGLES. FIELD MEASURE PARIES. FIELD MEASURE PARIES FROM BRACING ONCE THE EXTENSIONS ARE IN PLACE.

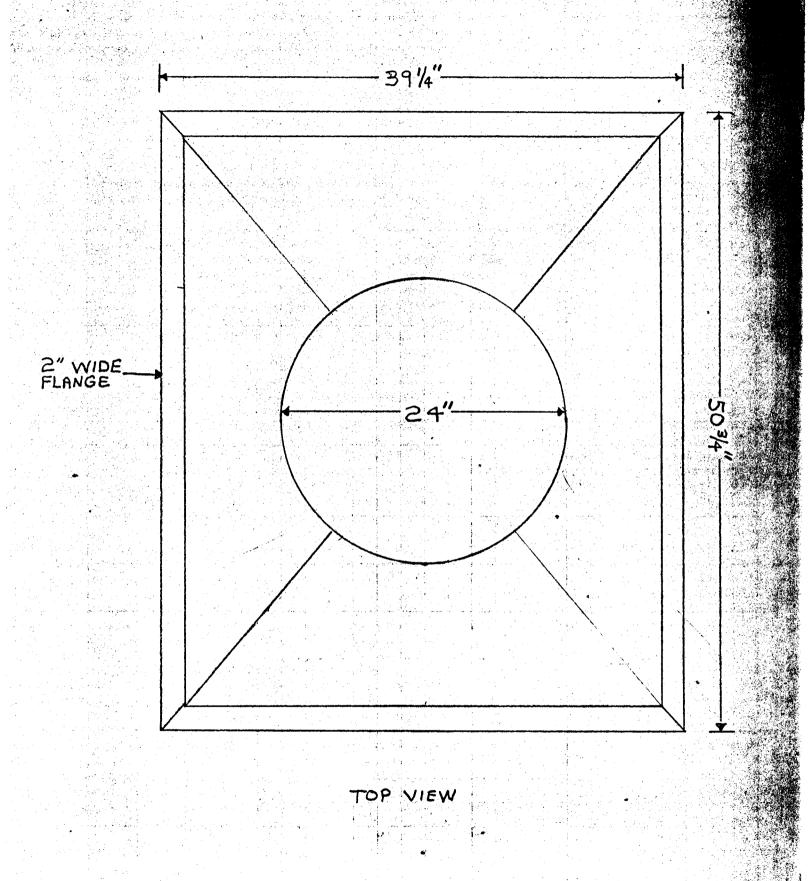
.H.M [83 18 3W

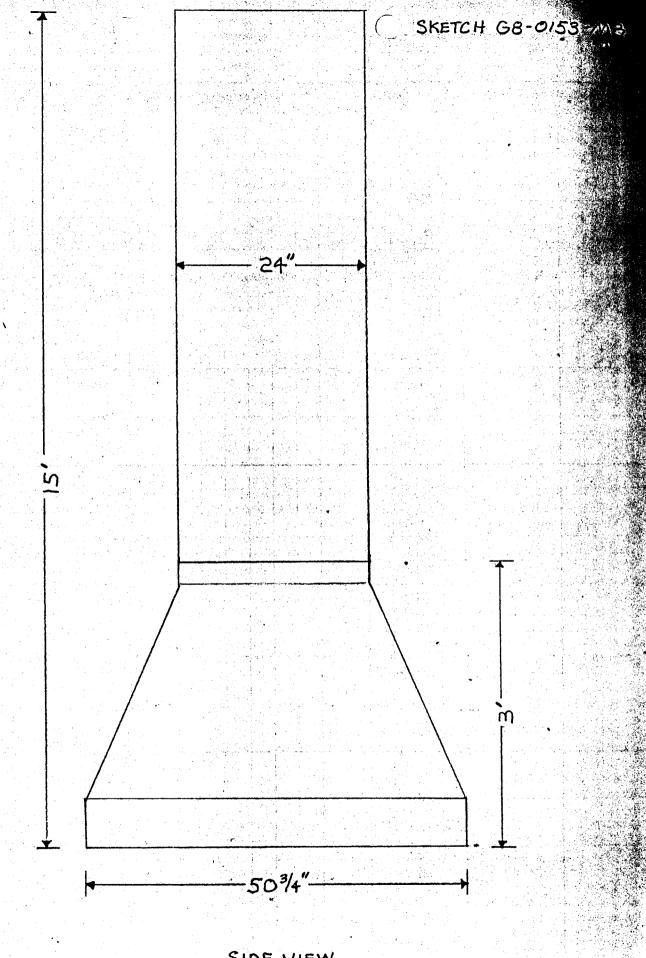
PROVIDE RIGGING SERVICES AS RECUIRED BY WC 75.

MATERIAL LIST—PUBLIC WORKS

WORK CENTER NO. 75 W/R NO.	+ V &	CHROME	•	SCRUBBER	R STACK
:8-0153-0225	5/2/88 FOWEY	7/4			
CLASS/STOCK OR PART NUMBER	12. DESCRIPTION OF MATERIAL	ღ⊃z-⊢	14. QÚANTITY	15. UNIT COST	16. TOTAL COST
SHOP STORES 17 9515-00-204-4580	SHEET, CRES, COLD ROLLED, ANNERLED.	35	120	4.09	563.00
	CLASS 304 D63 THX X 48" WD X 120" LG.				
SHOP STORES 11 9515-00-204-4553	SHEET. CRES. COLD ROLLED. ANNERLED	3,5	08	6.54	524.00
	CLASS 304, 125" THX X 48" WD X 120" LG.				
3.9520-00-277-4916	ANGLE, STRUCTURAL STEEL, 1" X21/2" X 3/16"	FT	90	2.04	122.00
	40.00				
1. SHOP STORES OF	MISC. BOLTS, ANCHORS, SPRAY DAINT	17.			25.00
4.7	18. RECEIVED BY (SIGNATURE)	TURE AND D		1175 app://ses.5500.012.5	(SE+) 1907101 SNIM







SIDE VIEW

- 5-11.2 Solid fuel burning appliances may be installed with draft regulators to reduce draft intensity. Such regulators shall be installed and set in accordance with the instructions furnished with the appliance or the draft regulator.
- 5-11.3 A barometric draft regulator, if used, shall be installed in the same room or enclosure as the appliance in such a manner that no difference in pressure between the air in the vicinity of the regulator and the combustion air supply will be permitted.

Chapter 6 Vents

- 6-1 Types and Uses. [See Table 1-2(b).]
- 6-1.1 Type B gas vents shall be used to vent only listed gas appliances with draft hoods and other gas appliances listed for use with Type B gas vents.

Exception: Type B gas vents shall not be used for venting:

- (a) Vented wall furnaces listed for use with Type BW gas vents only.
 - (b) Incinerators.
- (c) Appliances which may be converted readily to the use of solid or liquid fuels.
 - (d) Combination gas-oil burning appliances.
 - (e) Appliances listed for use with chimneys only.
- 6-1.2 Type BW vents shall be used only with listed vented gas wall furnaces having a capacity not greater than that of the listed Type BW gas vent.
- 6-1.3 Type L vents shall be used only with appliances listed as suitable for such use and gas appliances listed as suitable for use with Type B gas vents.
- **6-1.4** Single-wall metal pipe used to vent gas appliances shall conform to the following requirements.
- 6-1.4.1 Single-wall metal pipe shall not be used to vent incinerators.

Exception: For residential incinerators as provided for in 2-2.5.1 of NFPA 82, Standard on Incinerators, Waste and Linen Handling Systems and Equipment.

- 6-1.4.2 The pipe shall be of sheet copper with a thickness not less than 0.0201 in. (0.533 mm) (24 B & S gage) or galvanized steel with a thickness not less than 0.036 in. (0.914 mm) (20 gage).
- 6-1.4.3 Single-wall metal pipe shall be used only for runs directly from the space in which the appliance is located through the roof or exterior wall to the outer air.
- 6-1.4.4 Single-wall metal pipe shall not originate in any unoccupied attic or concealed space and shall not pass through any attic, inside wall, concealed space nor through any floor or ceiling.

- 6-2 Location. Outside vents for appliances used in cold climates shall be insulated.
- 6-3 Termination.
- 6-3.1 All vents shall terminate above the roof surface.

 [See Figures 3-3(a) and (b).]

Exception: As provided in 6-3.5 and 6-6.

- 6-3.1.1 Vents installed with mechanical exhausters shall terminate not less than 12 in. (305 mm) above the highest point where they pass through the roof surface.
- 6-3.1.2 Vents installed with listed caps shall terminate in accordance with the terms of the cap's listing.
- 6-3.1.3 Vents installed without listed caps or mechanical exhausters shall extend 2 ft (.61 m) above the highest point where they pass through the roof surface of a building and at least 2 ft (.61 m) higher than any portion of a building within 10 ft (3.1 m).
- 6-3.2 Natural draft vents for gas appliances shall terminate at an elevation not less than 5 ft (1.53 m) above the highest connected appliance outlet.

Exception: As provided in 6-3.3 and 6-6.2.

- 6-3.3 Natural draft gas vents serving vented wall furnaces shall terminate at an elevation not less than 12 ft (3.7 m) above the bottom of the furnace.
- 6-3.4 Vents passing through roofs shall extend through roof flashing.
- 6-3.5 Mechanical draft systems need not comply with 6-3.1 and 6-3.3 provided they comply with the following:
- (a) The exit terminal of a mechanical draft system, other than a direct vent appliance (sealed combustion system appliance), shall be located in accordance with the following:
- 1. Not less than 3 ft (.91 m) above any forced air inlet located within 10 ft (3 m).
- 2. Not less than 4 ft (1.2 m) below, 4 ft (1.2 m) horizontally from or 1 ft (305 mm) above any door, window or gravity air inlet into any building, and
- 3. Not less than 2 ft (.61 m) from an adjacent building and not less than 7 ft (2.1 m) above grade when located adjacent to public walkways.
- (b) The exit terminal shall be so arranged that flue gases are not directed so as to jeopardize people, overheat combustible structures or enter buildings.
- (c) Forced draft systems and all portions of induced draft systems under positive pressure during operation shall be designed and installed so as to be gastight or so as to prevent leakage of combustion products into a building.
- 6-4 Marking of Gas Vents. In those sections of the country where solid and liquid fuels are used extensively, gas vents shall be plainly and permanently identified by a label reading: "This gas vent is for appliances which burn gas only. Do not connect to incinerators or solid or liquid fuel burning appliances."