**Step No. 1**

Install one nut each on all anchor bolts per dimensions shown above.

**Step No. 5**

Install exterior wall sections with nut and washer at each anchor bolt. Do not tighten nuts until all exterior wall sections are installed.

**Step No. 4**

After exterior panels are installed, grout as shown. Grout to conform to Lustron master spec. Section "C".

**ST1P No. 3**

Make bottom wall spacer connection before tightening bolts are tightened.
TYPICAL TOP, INTERMEDIATE, & BOTTOM EXTERIOR WALL CORNER CONNECTIONS.
STEP NO. 1
BOLT LINTEL TO WALL
AT PORCH CORNER

STEP NO. 2
PLACE PORCH POST AND BOLT TO LINTEL.
STEP NO. 3

1. Place post and level lintel.
2. Shim to proper elevation by using on-coin-est shim. Check elevation by using hand level on lintel.
3. Apply lock washer then washer and nut previously removed.
4. Tighten all connections.

STEP NO. 4

Install base cover as shown.

STEP NO. 5

After force sensing panel has been installed, install support plates using 12-20-20 TAP. Screws.
Install with crowned surface down.

LUSTRON
EQUIPMENT

TITLE    LIM"EL & FORC" POST INSTALLATION
PREPARED BY  EM-02-C-53.1
ALTERNATE VIEW SHOWING POSITION OF PANELS WHEN ELECTRICAL SERVICE ENTERS (ON LEFT SIDE OF Home).

SEE DETAIL "A"

SEE DETAIL "B"

SEE DETAIL "C"

SEE DETAIL "D"

SEE DETAIL "E"

NOTE - A

SEE EM-02-D-III FOR COMPLETE INSTALLATION INSTRUCTIONS.

* OE-300-37 CLIP TO BE INSTALLED IN APPROXIMATELY THESE LOCATIONS.
STEP NO. 4:


STEP NO. 5:

INSTALL CORNER PANEL 02-300-14 AT RIGHT FRONT CORNER. AFTER PANEL IS INSTALLED MEASURE BACK TOWARDS BAY WINDOW 105-3/4". MARK THIS DIMENSION ON TOP WALL SPACER. SEE DETAIL "A" EM-02-D-111.

STEP NO. 6:

INSTALL PLENUM PANEL 02-300-10 WITH "X" FLANGE ON MARK INDICATING 105-3/4" DIMENSION, AND BOTTOM OF "Y" FLANGE ON 4-5/16" LINE. SEE DETAIL "A & D" EM-02-D-111.

STEP NO. 7:

INSTALL 15-02-302-37 CLIPS PER DETAIL "E" EM-02-D-111. ONE 02-302-37 CLIP IS TO BE INSTALLED AT EACH PLENUM PANEL AS SHOWN ON EM-02-D-102.

STEP NO. 8:

AFTER FALSE RUNNER IS INSTALLED ADJUST CLIP ON UNDER SIDE OF FALSE RUNNER FIRMLY AGAINST FACE OF PLENUM PANEL. SEE DETAIL "D" EM-02-D-111.

FOR INSTALLATION OF FALSE RUNNER SEE EM-02-C-IO1. DETAIL "A & B".
**STEPS OF INSTALLATION FOR EAVE & PORCH CEILING PANELS**

**STEP #1:**
Install 02-301-14 each panel on right side, front corner per detail "A", EM-02-S-001.
Continue in sequence indicated 1 thru 14.

**STEP #2:**
Install 02-301-11 eave panel on left side, rear corner per detail "B", EM-02-S-001.
Continue in sequence indicated 15 thru 21.

**STEP #3:**
Install 02-301-45 eave panel at front right corner.
Continue in sequence indicated 22 thru 23.

**STEP #4:**
If false corner has not been installed, install per detail "A" & "B", EM-02-S-001.

**STEP #5:**
Adhesive clip 02-302-11 on under side of ceiling number of times 02-301-16 and three 02-SH-001.
Avoid these clips to slot and hold plenum panels flush.

**STEP #6:**
Install 30-01-17 porch ceiling panel. Make sure to engage clips 02-302-11 in engaged holes.
Prevent in ceiling panel 02-301-17. See detail "C", EM-02-S-001. As ceiling panels are installed, they must be adjusted flush against plenum panels and under clips on porch panels as shown in detail "C", EM-02-S-001.

**STEP #7:**
Install panels in sequence indicated 24 thru 31.

**STEP #8:**
Install panels 02-301-17 at rear, left corner and 30-301-15 panel 45 prove left corner by sliding into place per detail "D", EM-02-S-001.

**STEP #9:**
Install support plates 02-302-46 around porch post per detail "F", EM-02-S-001.

**NOTE:**
All eave and porch ceiling panels are attached with NTS 5/8" steel GAD.
Type no. 14-1/2" taping steel 1504-108.
TYPICAL INSTALLATION DETAILS

CABLE END PANELS, INSTALLED BEFORE GUTTER INSTALLATION, ARE OMITTED FROM THIS DRAWING FOR CLEARER CLARITY.
TYPICAL SECTION
OF ROOF PANELS

AFTER INSTALLATION OF ROOF PANELS, THE
FIRST TWO LOWER HORIZONTAL COURSES OF PANELS
ARE TO BE ANCHORED IN THE FOLLOWING MANNER:
LOCATE DRILL TEMPLATE FOR-1002 AT LEFT SIDE
OF EACH PANEL AS SHOWN IN DETAIL "A".
DRILL (1) #3 (.200 DIA.) HOLE THROUGH PANELS.
SECURE WITH (1) SS-15-5/8 STAINLESS-STEEL
SELF-TAPPING SCREW (024-50-1/8)
THE FIRST COURSE IS SECURED TO THE LOCATING
STRAPS ON THE GUTTERS--SEE DETAIL "B".
THE SECOND COURSE IS SECURED TO THE FIRST.

DETAIL "A"
SHOWING NEW DRILLING METHOD
FOR DRILLING OPERATION

DETAIL "B"
ANCHORAGE OF ROOF PANELS
TO GUTTER STRAP
ALONG FIRST COURSE OF PANELS
TYPICAL SECTION OF ROOF PANELS

AFTER INSTALLATION OF ROOF PANELS, THE FIRST TWO LOWER HORIZONTAL COURSES OF PANELS ARE TO BE ANCHORED IN THE FOLLOWING MANNER:

LOCATE DRILL TEMPLATE SK-1002 AT LEFT SIDE OF EACH PANEL AS SHOWN IN DETAIL "A".

DRILL (1) #31 (.120 DIA.) HOLE THROUGH PANELS, SECURE WITH (1) #8-15X0 STAINLESS-STEEL SELF-TAPPING SCREW (62-43212-12). THE FIRST COURSE IS SECURED TO THE LOCATING STRAPS ON THE GUTTERS—SEE DETAIL "B". THE SECOND COURSE IS SECURED TO THE FIRST.

LOCATE DRILL TEMPLATE AT THE POINT ON ROOF PANEL.

DETAIL "A"
SHOWING REMOVAL METHOD FOR DRILLING OPERATION

DETAIL "B"
ANCHORAGE OF ROOF PANELS TO GUTTER STRAP ALONG FIRST COURSE OF PANELS

ROOF PANEL

8-15X0 STAINLESS STEEL SELF-TAPPING SCREW WITH RESIN TITE WEDGES

SK-1002
DRILL TEMPLATE

DETROIT
CORPORATION

EMERSON MANUFACTURING COMPANY

EM-02-E-40.1
TOP VIEW OF A TYPICAL RAFFLE JOINT

SECTION "C-C"

SECTION "A-A"
THREE RIGHT SIDE OF PLENUM

LUSTRON CORPORATION
EIRIE PLENUM TRANSITE INSTALLATION DETAIL

EM-02-F-10.11

DRAWING NUMBER
REVISED
PREPARED BY
DATE
EM-02-F-10.11
01-13-09
01-13-09
DIMENSIONS ON THIS DETAIL ARE FOR INSTALLATION OF SCOTTELLE.
SCOTTELLE TO BE INSTALLED AT TIME OF TRANSITE INSTALLATION.
SEE EM-02-F-10.1 FOR INSTALLATION OF TRANSITE IN REMAINDER
OF PLESSIS.

SECTION "A-A"

THE DIMENSIONS GIVEN ABOVE ARE
FOR LOCATION OF TRANSITE ONLY.
NOTE:
INSTALL CARDBOARD BARRIER BEFORE LOOSE INSULATION IS BLOWN IN TO PREVENT ANY INSULATION FROM FALLING INTO AREA OF COVERED EAVE PANEL. REMOVE BARRIER WITH INSULATION AND SLOWLY PULL CARDBOARD DOWN TO SEE THAT IT WILL NOT DRIP DOWN INTO EAVE PANEL.

SECTION THRU PLENUM AT FRONT OR REAR

SECTION THRU PLENUM AT GABLE END RIGHT HAND SHOWN

LUSTRON CORPORATION
NOTE

WHEN RAFFLES AROUND THE PERIMETER OF THE HOUSE ARE INSTALLED, CARE MUST BE TAKEN TO MAKE ALL JOINTS TIGHT.
STEP NO. 1
FOR DETAILED VIEW OF THIS AREA
SEE ENLARGED PERSPECTIVE BELOW.

STEP NO. 2
LEFT SIDE

STEP NO. 3
RIGHT SIDE

FOR INSTALLATION OF CONTROL RODS
SEE DRAWING EM-02-F-411.

SECTION A-A
DUCT INSTALLATION - DETAILS
PREPARED BY:
MRC
7-01-69
DRAWING NUMBER
EM-02-F-411
INSTALLATION OF EXPANSION SHEILD

2. Repeat step 1 at each stud location
3. Note: This is not a complete diagram. For more details, refer to the Lustron Installation Manual.

NOTE: This page supersedes EM-02-19(J) at House HP102.
INSTALLATION OF TUB

NOTE:
- Level tub from a location of rear flange.
- Shim under front apron when necessary.
- After installation of wall panels, seal gap around tub flange with 34-726-110 cement.

DETAIL A
TUB ANCHORAGE

SLIPS VELD ON TUB REAR FLANGE GRASE IN HOLE ON BRACKET ON REAR WALL STRUCTURE

WALL STOP

THIS PAGE SUPERSEDES EM-02-J-41 AT HOUSE 209

LUSTRON

PRESIDENT

MANUAL

TITLE:
PLUMBING INSTALLATION - LUSTRON BATH TUB

PREPARED BY
DATE
REVISION NUMBER
DRAWING NUMBER
EM-02-J-42.1
TEST #1
BEFORE PLUG IS Poured
BEFORE SEWER Ditch IS FILLED

TEST #2
AFTER PLUG IS Poured
BEFORE SEWER Ditch IS FILLED
BEFORE SERVICE-Wall IS INSTALLED

TEST #3
AFTER ALL PLUMBING IS INSTALLED
BEFORE SEWER Ditch IS FILLED
BEFORE VENT-PIPE EXTENSION IS INSTALLED

NOTE: THIS IS A SUGGESTED METHOD OF PRESSURE-TESTING DRAIN AND VENTS WHEN REQUIRED BY LOCAL INSPECTION.
NOTE:

SEE PARTS EM-O2-K 40.36 AND EM-O2-K 40.12 FOR ELECTRICAL WIRING DIAGRAMS OF FURNACE AND CONTROLS.
NOTE: THIS PAGE SHOWS TYPICAL SUGGESTED INSTALLATION FOR LEFT SIDE ON HOUSE. THE SAME INSTALLATION MAY BE MADE ON RIGHT SIDE OF HOUSE DEPENDING ON LOCATION OF UTILITY POLES AT SITE. THIS SHOULD BE DECIDED BEFORE INSTALLATION OF PLEROW, EAVE, GABLE OR ROOF PANELS.
NOTES:

1. FOR LOCATION AND INSTALLATION OF CORNER PANEL CLIPS, SEE EM-02-L-51.1. THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

2. UNLESS NOTED, ALL 24" X 48" PANELS SHOWN ARE OZ-301-40.

3. ALL PANELS SHOWN ON THIS PAGE ARE TO BE INSTALLED WITH 6-X 5/8" SELF-TAPPING SCREWS (S2242-J28).


EM-02-L-121
1. For location and installation of corner panels, see EM-08-L-001.
   These clips must be installed before paneling is started.
2. Unless noted, all 24\(\times\)48" panels shown are 08-301-40.
3. All panels shown on this page are to be installed with 8\(\times\)10 x 5/8" self-tapping screws. (2x4 Cap)
NOTES:

1. FOR LOCATION AND INSTALLATION OF CORNER PANEL CLIPS SEE WM-08-L-511.

   THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

2. UNLESS NOTED, ALL 8'X4' PANELS SHOWN ARE 02-301-40.

3. ALL PANELS SHOWN ON THIS PAGE ARE TO BE INSTALLED WITH 5/16 X 5/8 SELF-TAPPING SCREWS, LUG-X-100.

This page superscedes EM-06-L-2011 at home no. 1201.
REMOVE DOOR FROM JAMB AND POSITION ON SIDE TO EXPOSE BOTTOM CHANNEL. POSITION WEATHER STRIP AS SHOWN.
FIELD DRILL (2) 3/16" (187) DIA. HOLES ALONG FLANK OF WEATHER STRIP.
FIELD DRILL (2) #31 (1.120) DIA. HOLE ALONG LOWER CHANNEL OF DOOR. SECURE WEATHER STRIP TO DOOR WITH
(2) #8X3/4 TAPPING SCREWS (L5-064-100)

FIG. X1
INSTALLATION OF FILLER STRIP TO INTERIOR EDGE OF THRESHOLD.
INSTALL THRESHOLD SUPPORT ASSY. (02-431-35).
THRESHOLD FIELD DRILL (2) 3/16" (187) HOLES IN THRESHOLD AS SHOWN.
EQUAL SPACING.
INSTALL THRESHOLD-SECURE TO LOWER SPACER WITH (3) #10-20X1/4" FLAT HD. NICKEL-DR. L5-064-100.
TRIAL LOCATE FILLER STRIP (02-432-117) FOR PROPER HOLE LOCATION.
FIELD DRILL (2) #31 (1.120) HOLES IN FILLER STRIP.
SECURE FILLER STRIP TO THRESHOLD PLATE WITH (7) #8X3/4 STAIN. STEEL TAPPING SCREWS (L5-064-100).

NOTE: THIS PAGE SUPERSEDES EM-02-L-29.1 AT HOUSE 6/001

LUSHER

ENRICHMENT MANUFACTURING

EM-02-L-29.1

NOTES:

1. INSTALLATION OF THRESHOLD AND DOOR WEATHERSTRIP.

PREPARED BY: 
DATE: 3-11-99
PP: 001

DRAWING NUMBER: EM-02-L-29.15
NOTES:

1. FOR LOCATION AND INSTALLATION OF CORNER PANEL CLIPS, SEE EM-00-L-50.I.

   THERE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

2. UNLESS NOTED, ALL 24" x 48" PANELS SHOWN ARE 00-300-40.

3. ALL PANELS SHOWN ON THIS PAGE ARE TO BE INSTALLED WITH 8-32 x 1/2" SELF-TAPPING SCREWS, LD944-10B.
**STEP NO. 2**

Position "A" flange of panel into adjacent "B" flange, taping them from final position.

Position top of panel QS-430/40 behind edge of side panel.

Force right edge of panel into position—working from top to bottom. Use panel "T" spreader to engage lower flange into clip.

**VIEW OF UPPER CONDITION OF BAY WINDOW SIDE BEFORE PANEL IS INSTALLED.**

**STEP NO. 1**

Position clip QS-300-51 in lower wall.

Insert tab down on flange with slight hammer blows.

**STEP NO. 3**

Bend up (3) tabs of clip to lose panel in lip position.

Trim off tabs flush with face of panel.
NOTES:

1. FOR LOCATION AND INSTALLATION OF CORNER PANEL CLIPS, SEE EM-02-L-51. THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

2. UNLESS NOTED, ALL 24" X 48" PANELS SHOWN ARE 02-301-46.

3. ALL PANELS SHOWN ON THIS PAGE ARE TO BE INSTALLED WITH 1/8" X 5/8" SELF-TAPPING SCREWS, LT344-109.

4. 02-301-46 BAY WINDOW WALL STRUCTURE ASSEMBLY INCLUDES BAY WINDOW HEADER, JAMS, AND SILL.
CAUTION

THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

DETAIL "A"
EM-02-L-51.1

08-300-73 CLIP
(4-10-1/8" SELF-TAPPING SCREW
L3654-10B)
1 (1) EACH REQUIRED

08-300-73 CLIP
(4-10-1/8" SELF-TAPPING SCREW
L3654-10B)
SEE NOTE FOR REQUIREMENTS

08-300-76 CLIP
(4-10-1/8" SELF-TAPPING SCREW
L3654-16B)
4 (4) EACH REQUIRED

DETAIL "C"
EM-02-L-51.1

NOTE:

WITH 08-301-71 CORNER PANEL USE
(4) 08-300-78 CLIP
(4) (4-10-1/8" SELF-TAPPING SCREW L3654-10B)

WITH 08-301-76 CORNER PANEL USE
(8) 08-300-72 CLIP
(12) 4-10-1/8" SELF-TAPPING SCREW L3654-10B

SECTION
MANUAL

EXTERIOR COPPER PANEL CLIP INSTALLATION
DETAILS

PREPARED BY S.B.S. DATE 5-18-49
DRAWING NUMBER EM-02-L-52.1
1. FOR REMAINDER OF PANELING IN THIS AREA, SEE DRW. EM-02-M-06.7

2. CAUTION
CORNER PANEL CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED. FOR INSTALLATION OF CLIPS SEE DRW. EM-02-M-10.1 (B) EM-02-M-10.11

THIS PAGE SUPERSEDES EM-02-M-42.1 AT HOUSE No. 1501
<table>
<thead>
<tr>
<th>Panel</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02-31-21</td>
<td>Kitchen Wall</td>
</tr>
<tr>
<td>02-31-30</td>
<td>Dine Wall</td>
</tr>
<tr>
<td>02-31-30</td>
<td>Living Wall</td>
</tr>
<tr>
<td>02-31-60</td>
<td>Utility Room</td>
</tr>
</tbody>
</table>

**NOTE:**
- Room closet structure & paneling are installed at this point.
- See EM-02-M-63.1 for method of attaching panels at this point.

**CAUTION:**
- Bracket for holding laundry must be installed above panels in Utility Room.
- Loosening of service wall panels are installed before hook-up.
NOTE

FOR LOCATING DIMENSIONS, SEE
DRAWING NO. EM-02-M-101.1

FOR CORNER PANEL INSTALLATION
SEE DRAWING NO. EM-02-M-105.1.
CAUTION

THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

FOR INSTALLATION OF CORNER PANELS
SEE EM-02-M-105.1.
CAUTION

THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

FOR INSTALLATION OF CORNER PANELS
SEE EM-02-M-105.1
CAUTION

THESE CLIPS MUST BE INSTALLED BEFORE PANELING IS STARTED.

FOR INSTALLATION OF CORNER PANELS

SEE EM-02-M-105.1
**CORNER PANEL INSTALLATION**

**TYPICAL EXTERIOR CORNER**

**STEP NO. 1**
Locate Corner Panel and slide upward into position.

**STEP NO. 2**
Clip Locking Tab as shown, making sure to slide as possible to face of panel.

**TYPICAL INTERIOR CORNER**

**STEP NO. 1**
Bend Corner Panel 90° upward as shown, and locate Corner Panel.

**STEP NO. 2**
Glide Corner Panel upward into position, and bend spacer tabs forward as shown.
DETAIL A

DETAIL B

DETAIL C

SECTION A-A

NOTE:
FOR DETAILS A-B-C & SECTION A-A,
TURN TO PAGE EM-02-M-190.1
CONTROL CIRCUIT
GAS INSTALLATION

(JUNCTION BOX IN FURNACE CABINET)

BURNER MOTOR

PILOT IGNITION SWITCH
FACTORY WIRED

THESE WIRES ARE
STRIPPED & TWISTED
AT FACTORY.

MINN.-HONEYWELL
TYPE LA-40DA
FAN & LIMIT CONTROL

MINN.-HONEYWELL
R-10P-A RELAY

MINN.-HONEYWELL
TYPE T-10P-A THERMOSTAT

PENN
TYPE 500-AT-13 D
FAN & LIMIT CONTROL

(O2'-NO'-28)

MINN.-HONEYWELL

(O2'-NO'-27)

MINN.-HONEYWELL

(ALTERNATE)

(O2'-NO'-22)

(PENN)

(O2'-NO'-42)

CONDUIT

IN O2'-NO'-63
CONDUIT

IN O2'-NO'-53
CONDUIT

IN O2'-NO'-65
CONDUIT

02'-NO'-66
CONDUIT

AC LINE

NO FAN MOTOR

IN O2'-NO'-92
CONDUIT

RED

BLACK

ORANGE

LUXTRON
CORPORATION

EM-02-N-40.11

INSTRUCTION
TITLE
FURNACE
ELECTRICAL WIRING DIAGRAM

PREPARED BY
DATE
EFT
REVISED BY
DATE

B.118
7/18/48
P.T.
3/11/49
VIEW - REAR WALL UTILITY ROOM
SHOWING FURNACE INSTALLATION

SEE EM-02-N-49.11 FOR WIRING DIAGRAM
SEE EM-02-N-31.11 FOR DETAILS
STARTING AND ADJUSTING INSTRUCTIONS FOR THE WILLING OIL-O-MATIC

LUSTRON OIL BURNER

WHEN THE INSTALLATION OF THE BURNER HAS BEEN COMPLETED, BURNER CAN
BE STARTED BY FOLLOWING THESE INSTRUCTIONS:

EQUIPMENT NECESSARY FOR TESTING FURNACE UNIT AFTER INSTALLATION:
1. GRADUATED PINT MEASURE CAN, OR GRADUATED CYLINDER
2. CO2 TESTING KIT
3. LOW PRESSURE GAUGE
4. DRAFT GAUGE
5. WATCH

BURNER START:
BEFORE ATTEMPTING TO START THE BURNER, CAREFULLY INSPECT ALL
PIPE CONNECTIONS FOR LEAKS. OIL WILL NOT REACH THE BURNER IF THE
OIL SUPPLY LINE IS NOT AIR TIGHT FROM TANK TO BURNER - ANY LEAK IN
THIS LINE WILL CAUSE STARVING OUT. MAKE SURE THAT VALVES "A" AND "B"
ARE CORRECTLY INSTALLED.

CHECK THE METERING PUMP ADJUSTING SCREW "C" TO BE SURE IT IS
TURNED CLOCKWISE, ALL THE WAY IN. THE MAXIMUM FILLING RATE SHOULD
BE APPROXIMATELY .75 GALLONS PER HOUR.

REMOVE PIPE PLUG "E" FROM THE STABILIZER HOUSING AND INSERT A
LOW PRESSURE GAUGE.

SET THE AUTOMATIC DRAFT REGULATOR TO OBTAIN MAXIMUM DRAFT FOR
STARTING THE BURNER. (CLOSED POSITION)

OPEN THE HAND OPERATED LINE SWITCH. SET THE THERMOSTAT AT
RUNNING POSITION. (HIGHER THAN ROOM TEMPERATURE)

SET THE FAN AIR ADJUSTMENT "F" IN THE CLOSED POSITION; TOO MUCH
AIR TENDS TO BLOW THE FLAME OUT ON STARTING.

THE STARTING TIME WILL BE REDUCED BY POURING 1 CUP OF FUEL OIL
INTO THE STABILIZER BEFORE ATTEMPTING TO START THE BURNER. THE OIL
MAY BE Poured THROUGH PORT "G" OR THROUGH THE COPPER TUBE "D".

CAUTION: MORE THAN 1 CUP OF FUEL OIL WILL CAUSE A HEAVY
PULSATING FLAME WHEN THE BURNER STARTS.

( CONTINUED ON PAGE EM-02-N-61.1 )

THIS PAGE SUBJECT TO CHANGE AT ANY TIME.
STARTING & ADJUSTING INSTRUCTIONS - CONTINUED

CLOSE THE HAND OPERATED LINE SWITCH TO START THE BURNER. IF THE BURNER DOES NOT LIGHT THE PRIMARY CONTROL (STACK CONTROL) WILL CAUSE A SHUT DOWN, WAIT FIVE MINUTES; RESET THE PRIMARY CONTROL AND REPEAT THE START.

BURNER ADJUSTMENT

ONCE A STEADY FLAME HAS BEEN ESTABLISHED THE BURNER MAY THEN BE ADJUSTED TO OPERATE AT MAXIMUM EFFICIENCY.

THE FIRST STEP IN ADJUSTMENT SHOULD BE TO SET THE ATOMIZING PRESSURE AT NOT LESS THAN 1/2 POUNDS AND NOT MORE THAN 1 1/2 POUNDS FOR #2 FUEL OIL. TURN THE ATOMIZING PRESSURE ADJUSTING SCREW "P" CLOCKWISE TO INCREASE PRESSURE AND COUNTER-CLOCKWISE TO DECREASE PRESSURE. TOO HIGH PRESSURE IN THE ATOMIZER WILL CAUSE PULSATIONS. TOO LOW PRESSURE WILL CAUSE NOZZLE DRIPPING.

DRAFT - IN THE AVERAGE INSTALLATION, THE DRAFT REGULATOR SHOULD BE ADJUSTED TO AFFORD A DRAFT OF NOT LESS THAN .02 AND NOT MORE THAN .06 INCH OF WATER IN THE FLUE.

IF THE DRAFT IS TOO GREAT, A LARGE EXCESS OF AIR IS DRAWN THROUGH THE COMBUSTION CHAMBER AND THE EFFICIENCY OF COMBUSTION IS REDUCED BECAUSE OF HEAT CACHED UP THE STACK BY THIS EXCESS AIR.

CHECK SECONDARY AIR SETTING BY A CO2 TEST OF THE FLUE GASES. FOR EFFICIENT BURNER OPERATION, FLUE GAS ANALYSIS SHOULD BE 1% O2.

CAUTION: SEVERAL MINUTES ARE REQUIRED FOR THE BURNER ADJUSTMENTS TO BECOME FULLY EFFECTIVE; THEREFORE ALLOW AT LEAST THREE TO FIVE MINUTES BEFORE MAKING ANY FURTHER CHANGE.

THE FLAME IS NOT VISIBLE FROM THE SIGHT GLASS ON THE LUSTRON FURNACE UNIT. THE FLAME IS COVERED BY THE STAINLESS STEEL COMBUSTION CHAMBER AND ONLY REFLECTED HEAT MAY BE SEEN.

DO NOT EXPECT THE STAINLESS STEEL COMBUSTION CHAMBER TO SHOW BRIGHT COLOR WHEN HOT. WHEN THE BURNER IS OPERATING AT NOT MORE THAN .75 GALLONS PER HOUR, WITH THE AIR CORRECTLY ADJUSTED, THE COMBUSTION CHAMBER BURNSCAY A BRIGHT CHERRY RED. IF THERE IS ERRATIC OPERATION OF THE BURNER OR AN INABILITY TO MAKE THE SECONDARY AIR ADJUSTMENT FOR 1% O2 THEN IT WILL BE NECESSARY TO MAKE A CALIBRATION OF THE BURNER FLUE RATES. THE PROCEDURE IS AS FOLLOWS:

VOLUMETRIC CALIBRATION OF FUEL CONSUMPTION

PROCEDURE - SEE FIGURE 2

1. SHUT OFF ELECTRIC CURRENT TO BURNER.
2. REMOVE BRASS VENT PLUG ON TOP OF BURNER OIL VALVE, LIFT UP VALVE SPRING AND VALVE, REPLACE BRASS VENT PLUG.
3. DISCONNECT OIL LINE BETWEEN PRESSURE ROTOR AND DIFFUSER FLOAT HOUSING AT THE FLOAT HOUSING. PLACE MEASURING CUP IN POSITION NEAR BURNER SO IT WILL CATCH OIL COMING FROM OIL LINE AS IN FIGURE 2.
4. PLACE JUMPER WIRE IN STACK SWITCH FROM MOTOR TO HOT LINE POST #1 TO #3.
5. START BURNER AND CHECK TIME REQUIRED TO FILL MEASURING CUP TO TOP LINE. THE ONE PINT MARK.
6. DETERMINE FILLING RATE FROM CHART BELOW. (RECOMMENDED RANGE FOR FULL RATES .60 G.P.M. - MIN. .45 G.P.M. - MAX.)

<table>
<thead>
<tr>
<th>GALLONS PER HOUR</th>
<th>TIME FOR ONE PINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>.50</td>
<td>1/2 ........... 15 MIN.</td>
</tr>
<tr>
<td>.60</td>
<td>.60 ........... 12 MIN., 13 SEC.</td>
</tr>
<tr>
<td>.75</td>
<td>3/4 ........... 10 MIN.</td>
</tr>
<tr>
<td>1.00</td>
<td>1 ........... 7 MIN., 30 SEC.</td>
</tr>
</tbody>
</table>

ADJUST THE METERING PUMP ADJUSTING SCREW CLOCKWISE FOR MORE OIL "IN-PUT", OR COUNTER-CLOCKWISE FOR LESS OIL "OUT-PUT".

INSPECTION OF THE FLAME CAN BE MADE THROUGH THE OPENINGS FOR THE HI-TENSION CABLE IN THE STABILIZER WITHOUT REMOVING THE CABLE.

NOTE: THIS PAGE SUPERSEDES ALL PREVIOUS SERVICE INSTRUCTIONS FOR STARTING & ADJUSTING OIL BURNER.
NOTE: This page supersedes all previous service instructions for starting & adjusting of gas burner.

SEE PAGE EM-02-N-66.1 FOR STARTING & ADJUSTING INSTRUCTIONS.

REGULATOR

PILOT COCK

"GASO" SAFETY VALVE

PILOT SUPPLY TUBE

MAIN COCK

PILOT PEEP HOLE

AIR SHUTTER

VENT PLUG

TO BE VENTED IN ACCORDANCE WITH LOCAL PLUMBING (GAS) CODE.

IGNITOR SWITCH

LUSTRON CORPORATION

PREPARED BY

EM-02-N-65.1
AFTER THE INSTALLATION IS MADE IT SHOULD BE CHECKED TO SEE THAT IT IS IN GOOD ORDER AND READY FOR OPERATION. THE INITIAL START UP FOLLOWS:

1. CHECK THE PIPING FOR LEAKS. A QUICK WAY TO DO THIS IS TO CLOSE THE BURNER HAND VALVE AND PILOT DIP Switch, THEN TURN ON THE GAS PRESSURE TO THE GAS SUPPLY LINE AND OBERV THE WATER TEST DIAL. THERE SHOULD BE NO MOVEMENT OF THE DIAL HAND FOR AT LEAST FIVE MINUTES ON A HALF FOOT DIAL. (PROPORTIONATELY LONGER ON LARGER DIALS.) ALL OTHER GAS APPLIANCES MUST OF COURSE BE COMPLETELY SHUT OFF DURING THIS TEST. IF A LEAK IS DETECTED IT SHOULD BE LOCATED WITH A SOAP SUDS TEST AND CORRECTED MACE.

2. FOR NATURAL AND MIXED GASES THE GAS PRESSURE IN LINE MUST BE BETWEEN A LOW LIMIT OF 1/4" OF WATER COLUMN ON 2-1/2 OUNCES PER SQUARE INCH. LOW LIMIT FOR MANUFACTURED GASES SHOULD BE AT LEAST 2-1/2" OR 2 OUNCES, HIGH LIMIT OF 10" WATER OR 5 OUNCES ON EITHER GAS. LINE PRESSURE SHOULD BE CHECKED AND IF OTHER THAN THE ABOVE FIGURES, IT SHOULD BE CONNECTED TO THE LOCAL GAS COMPANY CONTACTED.

3. PURGE THE GAS LINE BY DISCONNECTING THE PILOT TUBE AND ALLOWING THE AIR TO ESCAPE IN THE ATMOSPHERE UNTIL GAS STARTS TO ISSUE FROM THE PILOT CONNECTION. RECONNECT THE PILOT, DO NOT PURGE THE GAS LINE INTO THE COMBUSTION CHAMBER.

4. MAKE SURE THAT THE MAIN HAND COCK AND PILOT COCK ARE BOTH TURNED OFF. SET LIMIT SWITCH AT 200 DEGREES AND THERMOSTAT ABOVE ROOM TEMPERATURE. TURN ON AND CHECK TO SEE THAT MOTOR RUNS AND THEN TURN THERMOSTAT DOWN AND SWITCH OFF.

5. BEFORE STARTING, SET THE AIR SHUTTER RING SO THAT THE SLOT ON THE TOP SIDE MEASURES ABOUT 1/2" OPEN, THEN TAKE CAV OFF REGULATOR AND SET THE GEAR AS FOLLOWS:

   FOR NATURAL GAS=1000 BTU - 3/4" TO 1/4" FROM TOP
   FOR MANUFACTURED GAS = 500 BTU - 3/4" TO 1/4"

6. THESE ARE APPROXIMATE SETTINGS FOR 50,000 BTU AND MAY HAVE TO BE ADJUSTED AFTER BURNER IS RUNNING.

7. TURN ON THE MAIN LINE SWITCH AND SET THE ROOM THERMOSTAT ABOVE ROOM TEMPERATURE. LET THE MOTOR RUN FOR AT LEAST FIVE MINUTES TO ESTABLISH BURNING CHAMBER.

8. SET THE THERMOSTAT BELOW ROOM TEMPERATURE TO STOP MOTOR.

9. TURN THE PILOT DIP AND DEPRESSION HAY Switch ON THE REPLY UN TIL THE PILOT LIGHTS. THE PILOT CAN BE OBSERVED THROUGH THE PEEP GLASS IN THE LAMP OF THE BURNER HOUSING. THIS OPERATION MAY HAVE TO BE REPEATED PIPING THE GAS PUMP FORCE PIPING OF AIR BEFORE THE PILOT CAN LIGHT. ON EVERY ATTEMPT TO LOSE THE PILOT BE SURE TO KEEP THE BLOWER FIRST TO GET RID OF AIR PILots THAT MAY HAVE ENTERED THE BURNER CHAMBER DURING A PREVIOUS ATTEMPT. REPEATED IGNITION ATTEMPT WILL HEAT THE TRANSFORMER IN THE REPLY REDUCING THE OUTPUT CURRENT. ALLOW A COOLING PERIOD OF APPROXIMATELY THIRTY MINUTES. IF THIS CONDITION OCCURS.

10. AFTER THE PILOT IGNITES WAIT TWO MINUTES AND DEPRESS THE PLUNGER ON THE "BURN " SAFETY VALVE AS FAR AS IT WILL GO AND RELEASE.

11. OPEN MAIN HAND VALVE.

12. SET THE THERMOSTAT ABOVE ROOM TEMPERATURE TO START BURNER.

13. WHEN GAS INPUT REQUIRED HAS BEEN DETERMINED CHECK BURNER IN OPERATION BY TAKING METER FOR ONE MINUTE AND COMPARE WITH CHART BELOW.

   EXAMPLE:

   BTU'S REQUIRED PER HOUR*  BTU PER CUBIC FOOT VALUE OF LOCAL GAS
   60,000 + 172 CUBIC FEET PER HOUR
   OR APPROXIMATELY 1/3 CUBIC FEET PER MINUTE.

<table>
<thead>
<tr>
<th>FT. PER HR.</th>
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<tr>
<td>114</td>
<td>1.7</td>
<td>172</td>
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</table>

14. ONLY ADJUSTMENT REQUIRED FOR INPUT IS ON REGULATOR. TURN SCREW DOWN FOR MORE GAS AND TURN SCREW OUT FOR LESS. DO NOT SCREW DOWN PAST POINT WHERE NO FURTHER INCREASE IN PRESSURE IS NOTED. AIR SHUTTER MUST BE ADJUSTED AS REQUIRED.

15. TO CHECK THE OPERATION OF THE BURNER START AND STOP IT SEVERAL TIMES WITH THE THERMOSTAT.

16. WITH THE BURNER RUNNING CHECK THE OPERATION OF THE LIMIT CONTROL AND CIRCULATING FAN.

17. MAKE THE FINAL SETTING OF THE AIR SHUTTER BY CHECKING THE FLUE GAS WITH AN "ORES" OR OTHER SIMILAR COMBUSTION TESTING INSTRUMENT. THERE SHOULD BE NO CARBON MONOXIDE AND THE CARBON DIOXIDE CONTENT SHOULD BE WITHIN LIMITS PRESCRIBED BY THE LOCAL GAS COMPANY. AIR SHUTTER MAY BE SET APPROXIMATELY CORRECT BY OPENING AND CLOSING AIR SHUTTER SO THAT THE TOP SLOT MEASURES AS FOLLOWS:

   60,000 BTU=1/8"  65,000 BTU=1/4"
   70,000 BTU=1/2"  75,000 BTU=3/4"
   80,000 BTU=1/2" OPENING 85,000 BTU=3/4"
   90,000 BTU=11/16" 95,000 BTU=3/4"

FOR SUBSEQUENT NORMAL STARTING AND SHUT OFF PROCEDURE, REFER TO THE INSTRUCTION PLATE MOUNTED ON THE BURNER.

NOTE: THIS PAGE SUPersedes ALL PREVIOUS SERVICE INSTRUCTIONS FOR STARTING AND ADJUSTING OF GAS BURNER.

*BTU'S REQUIRED PER HOUR = BTU PER CUBIC FOOT VALUE OF LOCAL GAS

PREPARED BY: D. A. F. 6-7
REMARKS: REMARKS: EM-02-N-661
STEP NO. 7

INSTALL 00-471-94 PANEL WELD ASSEMBLY, POSITION UPPER FLANGE INTO CLIP ON FRAME CHANNEL, WORKING FROM INSIDE CABINET, USE 1 #6-32 X 1/2″ SCREW. SEE DETAIL "A" PAGE EM-02-P-20.11

STEP NO. 8

INSTALL 00-471-94 JAMB PANEL ASSEMBLY, POSITION OUTER FLANGE INTO CLIP ON FRAME CHANNEL, AND "A" PLANE INTO 90° AT FRAME CHANNEL. USE TWO #6-32 X 1/2″ SCREWS TO ATTACH JAMB PANEL AND DOOR RECESS CHANNEL AT BOTTOM, USE TWO #6-32 X 1/2″ SCREWS TO ATTACH CENTER AND UPPER FLANGE TO FRAME CHANNEL. SEE DETAIL "A" PAGE EM-02-P-20.11

STEP NO. 9

INSTALL 00-471-100 STUD AND SECURE TO FRAME ASSEMBLY USING THE FOLLOWING:

1. 00-471-100 STUD
2. 00-471-55 SCREW
3. 00-471-53 LOCK WASHER
4. 00-471-51 NYLON LOCK WASHER
5. 00-471-50 NYLON WASHER

INSTALL 00-471-00 DOOR GUIDE ASSEMBLY AS DEPICTED IN DETAIL "A" PAGE EM-02-P-20.11

INSTALL 00-471-00 DOOR GUIDE BRACE, SECURE GUIDE BRACE ASSEMBLY TO 00-471-94 PANEL WELD ASSEMBLY, USE 00-471-55 SCREW AND 00-471-150 GUIDE ASSEMBLY, USING THE FOLLOWING:

1. 00-471-55 SCREW
2. 00-471-150 ANCHOR TO RECESS (SEE DETAIL "A")
3. 00-471-94 PANEL WELD ASSEMBLY

SEE DETAIL "A" PAGE EM-02-P-20.11

LIVING ROOM-GUEST CLOSET WALL (REF.)

GUEST CLOSET - INTERIOR PANELS

PREPARED BY: J & B
DATE: 6-20-49
EQUIPMENT: EM-02-P-20.1
STEP NO. 10
ATTACH 06-471-36 BACK PANEL ASSEMBLY TO 06-471-326 BACK PANEL ASSEMBLY USING
163 1/4" x 3/8" HDG. SCREW

INSTALL THE ABOVE TWO-PANEL ASSEMBLY WITHIN RIGHT HAND FLANGE TO 06-471-36
SIDE PANEL, WELD ASSEMBLY INTO 10GA.
163 1/4" x 3/8" HDG. SCREW

SECURE BOTTOM FLANGE OF TWO-PANEL ASSEMBLY TO BOTTOM SHANK OF UTILITY-GUEST CLOSET SHELF, USING
163 1/4" x 3/8" HDG. SCREW

SEE DETAIL: 34
PAGE NO. EM-02-P-31.11

STEP NO. 11
FOR ALL 06-471-327 SIDE PANEL ASSEMBLY
AS SHOWN, SECURE RIGHT HAND FLANGE OF
SIDE PANEL TO TWO-PANEL BACK ASSEMBLY,
USING
163 1/4" x 3/8" HDG. SCREW

POSITION FRONT OFFSET OF SHELF PANEL INTO
CORNERS AND ALINE HOLES WITH HOLES IN
06-471-60 STUD WELD ASSEMBLY (REF.)
STEP 12
AFTER LANDING ROOM WALL IS TANGLED AND JOINER PANEL, INSTALL, INSTALL 02-470-10 PANEL ASSEMBLY, AND REFER TO STRUCTURE AS IN STANDARD INSTALLATION PROCEDURE, USE:
(1) 1/2"-13 X 4" NO. 10 SCREW
INSTALL 02-470-10 TERMINAL PANEL ASSEMBLY, AND REFER TO STRUCTURE AS IN STANDARD INSTALLATION PROCEDURE, USE:
(1) 1/2"-13 X 4" NO. 10 SCREW
SEE PAGE "A" IN INSTALLATION INSTRUCTIONS,
STEP 13
INSTALL 02-470-10 DOOR JAMB PANEL ASSEMBLY (CONTINUED)
SEE PAGE "A" IN INSTALLATION INSTRUCTIONS.
STEP 14
INSTALL 02-471-83 TOP PANEL ASSEMBLY, AND REFER TO STRUCTURE AS IN STANDARD INSTALLATION PROCEDURE, USE:
(1) 1/2"-13 X 4" NO. 10 SCREW
SEE PAGE "A" IN INSTALLATION INSTRUCTIONS.
INSTALL 02-471-84 JAMB PANEL ASSEMBLY, AND REFER TO STRUCTURE AS IN STANDARD INSTALLATION PROCEDURE, USE:
(1) 1/2"-13 X 4" NO. 10 SCREW
SEE PAGE "A" IN INSTALLATION INSTRUCTIONS.
STEP 15
INSTALL 02-471-82 JAMB PANEL ASSEMBLY, AND REFER TO STRUCTURE AS IN STANDARD INSTALLATION PROCEDURE, USE:
(1) 1/2"-13 X 4" NO. 10 SCREW
SEE PAGE "A" IN INSTALLATION INSTRUCTIONS.
STEP 16
INSTALL 02-471-81 DOOR TRACK, INSTALL 02-471-94 JAMB PANEL ASSEMBLY (CONTINUED)
SEE PAGE "A" IN INSTALLATION INSTRUCTIONS.
**STEP 1:**
Attach anchor cover plate 02-472-48 to bottom shelf 02-472-47 using 121L2044-108
3/8" x 3/8" slotted tapping screws. Bolt bottom shelf to 02-01-01 wall section using L54-108 hex head bolt. See fig. 1.

**STEP 2:**
Attach top shelf 02-471-8 to top wall section bracket 02-01-01 with 24A-108. See 02-01-01. Attach 02-472-46 back cover plate to top shelf using 3/8" x 3/8" slotted tapping screws, L2044-108.

**STEP 3:**
Attach 16 02-470-17 vertical angles, 3/16" right side and cabinet side on left side of cabinet, lining top & bottom shelves. Use L54-50 machine screws and L5407-08 low crown adhesives in holes. See figs. 1 and 2.

**Fig. 2**

**STEP 4:**
Attach center shelf 02-472-42 as shown in fig. 5. Sun LM-02-Q-011.

**STEP 5:**
Install 03 vertical angles 02-472-45 & 02-472-47, one at rear of cabinet and one at front face corner, as shown. Install 02-472-45 vertical angle at front left corner of cabinet. Use L54-50 machine screws and L5407-08 lockwashers and L54-08 low crown adhesives. See fig. 1.

**STEP 6:**
FIG. 4

NOTE:

[Text not legible]

COLUMNS MUST BE INSTALLED BEFORE PANELING IS STARTED.

THIS PAGE SUPERScedes EM-02-Q-21.1 AT HOUSE 1400.

RELEASE NO.

DATE

PREPARED BY

PRINTED BY

3D F.3.6

EM-02-Q-211
Erection of Broom Closet

STEP 1 (See Fig. 1)
Attach cover panel 02-2/23-36 to bottom shelf
Use (2) 8-32 tapping screws.
Secure bottom shelf 02-2/27-33 to wall
section with (1) 1/4-20X 7/8 Hex. Bolt.

STEP 2 (See Fig. 1)
Attach top shelf 02-2/27-33 to top wall
section with (1) 1/4-20X 7/8 Hex. Bolt.
Attach cover panel to top shelf with
(2) 8-32 Tapping Screws.

STEP 3 (See Fig. 1)
Attach (6) vertical angles 02-2/27-47--
3 on left side and 3 on right side--
Lining top and bottom shelves.
Use 8-32X 5/16 Mach. Screws, Lockwashers and
8-32 Acorn Nuts.

STEP 4
Attach center shelf 02-2/27-272
Use 8-32 Mach. Screws, Lockwashers, and
Acorn Nuts.

STEP 5
Install vertical angles 02-2/72-358
and 02-2/27-272-(1) at rear and
(1) at rear at front corner. (See Fig. 1)
Install angle 02-2/72-38 at front-left corner.

STEP 6
Level and plumb structure.
Adjust leveling screws located in
bottom shelf.
Drill hole in concrete floor and install
(1) Anchor Shield 02-200-131
Install (1) Anchor Bolt 1/4-20X 2 1/2
and (1) Flat Washer.

STEP 7 (See Detail A)
Install vertical corner molding 02-352-10
Attach to angle with 8-32X 5/8 Mach. Screws,
Lockwashers and Acorn Nuts.

STEP 8 (See Fig. 3)
Install panels, start at corner molding--
Attach 02-310-95, then 02-311-166.
Use 8-32X 3/16 Mach. Screws, Lockwashers
and Acorn Nuts.

STEP 9 (See Fig. 2)
Attach header channel to front corner panels.
02-2/71-270 x 02-2/71-271 with 8-10X 5/8 Tapping Screws.
Attach this sub-assembly to angle frame.

STEP 10
Continue installation of panels around broom closet
as shown in Fig. 3.

STEP 11
Attach (small) upper door to (2) hinges on cover panel 02-2/71-271--
Attach large door to (3) hinges on corner panel
02-2/71-271--
Use 8-32X 7/8 Mach. Screws, Lockwashers and
8-32 Hex. Nuts.
(3) each per hinge.

STEP 12
Attach door stop 02-2/72-417--Approx. 1/8" down from
ceiling. Remove (1) 8-32X 5/8 Mach. Screws which attaches
corner panel 02-2/74-270 90° angle.
Insert stop between panel flange and angle
and replace screw.

STEP 13
Attach (1) knob 02-2/82-393 to both doors--
Use 8-32X 5/16 Mach. Screw.

NOTE: THIS PAGE SUPERSEDES FM-02-0-11,11
AT HOUSE 2001--
STEP A:
Assemble 02-472-220 channel to 02-472-382 strip with 8x2" TAP SOR (LS 244-175).

STEP B:
Assemble 02-472-220 channel, with strip attached to 02-472-200 with 8x2" TAP SOR (LS 244-400).

STEP C:
(Lustron assembly) C channel 02-472-220, with 8x2" TAP SOR (LS 244-175) and strip (LS 244-400). 8x2" TAP SOR (LS 244-175).

STEP D:
Install assembly 02-472-63 channel, TP FLO 1" (LS 244-400) with 8x2" TAP SOR (LS 244-175).

STEP E:
Slip fit panel on 02-472-382 TP FLO 1" panel (LS 244-400) as shown in assembly. TP FLO 1" panel (LS 244-400) with 8x2" TAP SOR (LS 244-175). 8x2" TAP SOR (LS 244-175).

STEP F:
(Lustron assembly) 02-472-43 channel, 1 TP panel (LS 244-175) & 02-472-00 VD (LS 244-400) with 8x2" TAP SOR (LS 244-175) & 8x2" TAP SOR (LS 244-175).

8-32 x 8" ROHS, SLOTO. MAO SCREW 4X. C.L. (LS 148-58).

8-32 x 8" ROHS, SLOTO. MAO SCREW 4X. C.L. (LS 148-58).

INSTALLATION TYPICAL FOR BOTH ASSEMBLIES
STEP NO. 20
INSTALL 08-409-01 CLOTHES ROD SUPPORTS INTO HOLES IN 08-409-01 HORIZONTAL FLANGE ATTACHED TO WALL. POSITION 08-31-07 AND 08-30-01 08-409-02 WALL CONN & BUSHING. SLOP 08-409-02 FLANGE OVER ROD & SECURE WITH 4-40 X 1-5/8" SCREW. PLACE 4-40-05 FERRULES (1) ON TOP OF FLANGE AND 1' 11-1/2" STANDOFF COVERS (1) ON BOTTOM OF FLANGE.

STEP NO. 21
INSTALL 02-407-27 SHELF, SLIP IN PROPER FASHION WITH CLIPS PREVISED IN S1 SHELF AND 1/2" THEMEL. POCKET CUT IN SHELF OPENING TO ACCEPT SHELF AND FASTEN WITH 1/2" SCREW.

STEP NO. 22
INSTALL 02-407-08 SHELVES CLIP ON POCKET 1' 11-1/2" TO 2' 0" OVER SHELF AND FASTEN WITH 1/2" SCREW.

STEP NO. 23
INSTALL 02-407-05 CLOTHES ROD SUPPORTS FOR STOCK SHELF TO TOP SHELF AND FASTEN WITH 1/2" SCREW. 1' 11-1/2" OVER SHELF AND FASTEN WITH 1/2" SCREW.
1. Place NORDICAL completely around edge of glass.

2. Place edge of NORDICAL and glass assembly 3/4 inch from edge of casingment as shown. With finish nails, fasten around the edge of the glass until the complete glass is in position as shown.

3. Place a strip of NOSE on the length of the glass and approximately 1/2 inch and 1/2 nose, horizontally across the face of the glass and press firmly until the wooden strip is tight against the rear edge of the casingment as shown. With the wood strip on the glass, press at intervals until the glass and NORDICAL are firm against the casingment.

4. With a screwdriver or similar instrument, press the front edge of the NORDICAL down, behind the lip on the casingment.

WINDOW GLASS SIZE 1.03

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<th>Window Size</th>
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<td>13.64 x 15.25</td>
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<tr>
<td>Bedroom</td>
<td>10.94 x 12.58</td>
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</tr>
<tr>
<td>Bath</td>
<td>10.81 x 15.33</td>
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Note: Glass double strength
VIEW TAKEN FROM BED ROOM Nº1 LOOKING TOWARD LIVING ROOM.
NOTE:
FIELD DRILL 3/8" CIFT HOLE IN EACH OUSSET.
LOCATE AND INSERT CABINET, DRILL 7/32" HOLE IN WALL PANEL THRU HOLE IN OUSET.
ATTACH CABINET TO WALL USING 1/2" X 6-1/4" SCREWS, 141.
STEP NO. 1

ASSEMBLY TO ASSEMBLY TO BOTTOM ASSEMBLY, AND FASTEN AT EACH END WITH

1/4-20 X 8" HEX HEAD BOLT (154-108)
1/4-20 X 8" HEX HEAD BOLT (154-109)
1/4-20 X 8" HEX NUT (153A-11-4)
1/4-20 X 8" HEX BOLT (153M-48)
TIGHTEN BOLTS TO TIGHTLY, STIFFNESS ONLY UNTIL ENTIRE UNIT IS ALIGNED.

STEP NO. 2

TO INSTALL END PANEL, INSERT
1-1/8" 02-483-18 SERIES CLIP
ONTO SLOTS IN TOP ASSEMBLY, END PANEL, SNAP PANEL IN-
TO POSITION OVER CLIPS, MAINTAIN WITH
1-1/8" 02-483-18 SERIES CLIP (45/32-1/2"
BEFORE TIGHTEN BOLTS (1/2" 02-483-18)
WHICH HOLD TOP PANEL IN. 1-1/8" 02-483-18 SERIES CLIP)
TO PANEL. REPLACE WITH TAPPING

STEP NO. 3

POSITION CABINET AND ALIGN VERTICAL SASH ON KITCHEN SIDE
BEFORE ALIGNING TOP ASSEMBLY TO WALL STRUCTURE AT TOP
AND BOTTOM ASSEMBLY TO WALL STRUCTURE AT BOTTOM.
1-1/4" 02-483-18 SERIES CLIP
(1/2" 02-483-18 SERIES CLIP)

STEP NO. 4

THE FOLLOWING INSTALLATION PROCEDURE IS TYPICAL FOR EACH
OF DOOR HINGE DOORS.
INSTALL (1) 02-483-18 SERIES CLIP TO EACH UPPER, SIDE CORN-
ER OF DOOR, INSTALL
1-1/2" 02-384-18 SERIES CLIP AS SHOWN FOR DOOR HINGE DOORS.
INSTALL DOOR IN CABINET. ADJUST BLINDS VERTICALLY, then
INSTRUCTIONS FOR INSTALLATION

1. Installation of floor tile after other trades have completed their work.
2. Clean floor thoroughly.
3. Chalk line room both ways as shown in FIG. 1 & 2.
4. Spread 1/400 floor tile cement over lines and allow 10 days for one-half hour. See FIG. 2. Be aware lines or top of adhesive to be used as working lines. Spread cement over one half of room as shown in FIG. 3, and allow adhesive to dry until it becomes tacky. Apply adhesive with notched spreader (FIG. 3). Bear down hard to ensure that only the adhesive coming through notches remains on floor. Do not use smooth-faced spreader.
5. One gal. of adhesive will cover 300 sq. ft.
6. Start laying tile from the center line of intersection (FIG. 4) and continue to lay tile in a semi-circle, working on top edge of adjacent tile is laid.
7. To cut, if tile-cutter is not available, break tile and cut with sharp linoleum knife. Placing board or other means of heat may be used. Do not over-heat.

INSTRUCTIONS FOR INSTALLING BASE COVE

1. Install after floor tile has been laid.
2. Asphalt base cove can be used around corners by heating until flammable. If it becomes blistering, roll it using a roller dipped in cold water.
3. Spread at 10% base cove cement to refrig spreader spread onto prepared surface of surface. If greater adherence is necessary.

TOOLS NECESSARY
- Linoleum knife
- Putty knife
- Brush
- Drill
- Line box
- Hard roller
- Adhesive spreader
- FT. PALE
- FT. CARPENTER'S SQ.

NOTCHES WIDTH AND DEPTH

Fig. 5

Luztron

CREATION MANUAL

TITLE: INSTALLATION- ASPHALT TLE FLOOR AND BASE COVE

PREPARED BY

DATE

EFF. 11-69

EM-02-Z-10.1
**DIRECTORS FOR LAYING TILE:**

1. Asphalt tile must be laid over inside planks free from oils, grease, paints, or foreign matter.
2. Asphalt tile should be stored in a place at 70°F for at least 24 hours before using. Room temperature should be 70°F or higher during installation and for several days afterwards.
3. Asphalt tile must be set on "Green" concrete test for moisture as 72 hours and tile face binned with cement sealed in adhesive. If moisture appears within 24 hours, tile should not be laid.
4. Tile should be cut with a tile cutter.
5. Do not use a straight edge, trowel, or other means to cut or install the tile on support base.
6. In the event the steel truss floor is not smooth, use of a primer on tile will be necessary to ensure good grip spots.

**MATERIALS USED**

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<td>BROWN TILE</td>
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<td>BLACK ASPHALT MOLDING</td>
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<td>BASE MOLDING C5 ENT 6</td>
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*NOTE: ESTIMATED QUANTITY OF CEMENT NEEDED PER HOUSE.*

**LEGEND**

- **Gray Tile**
- **Brown Tile**
- **Base Molding**

**Lustron Corporation**

**EM-02-Z-20.1**
NOTE:
ALL DIMENSIONS GIVEN ABOVE ARE INSIDE PANE DIMENSIONS OF HEAD, JAMB, & SILL PANELS.
SMALL WINDOWS IN BEDROOMS ARE SAME SIZE AS KITCHEN WINDOWS.
AFTER HOUSE NO. 425.
STEP NO. 1
INSERT GRUMP NUT 02-462-88 INTO
HOLE AT TOP OF WINDOW JAM PANELS.

STEP NO. 2
POSITION BRACKET ASSEMBLY 02-458-27L
AND 02-451-27L
SECURE WITH 11/32 IN. SCR NO 10-24 X 3/4
FLAT HEAD MACHINE SCREW.

COMPLETED INSTALLATION

LUSTRON

EM-02-Z-30.11