

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compressive Test of 6" x 6" x 6" Cube

Report No. 49-5103

Date 7/30/49

Form R-2

Section Poured: 8th Floor Secretariat Building. Q to R, 14 to 12.

Identification: 16-A
Date Cast: 7/14/49
Date Tested: 7/21/49
Age-Days: 7
Size(In.): 6x6x6
Area-(Sq.In.): 36
Total Load(Lb.): 26,000
psi: 722
Required psi at
28 days: 1000

CURING
Field-Method: Wet Burlap
No. or Days: 6
Lab. Moist Room-Days: 1

MIX DATA:

| | | Dry Wt. per Cu. Yd. |
|------------------|-------------------------------|---------------------|
| Cement, Brand: | Lehigh-Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 325 at 11:00 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliott A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Test of 6" x 6" x 6" Cube**

Report No. **49-5104**

Date **7/30/49**

Form R-2

Section Poured: **8th Floor Secretariat Building, 10 to 9 - Q to R.**

| | |
|-----------------------------|---------|
| Identification: | 17-A |
| Date Cast: | 7/14/49 |
| Date Tested: | 7/21/49 |
| Age-Days: | 7 |
| Size-(In.): | 6x6x6 |
| Area-(Sq. In.): | 36 |
| Total Load-lb.: | 28,000 |
| psi: | 778 |
| Required psi at 28 days: | 1000 |

CURING

| | |
|-----------------------|------------|
| Field-Method: | Wet Burlap |
| No. or Days: | 6 |
| Lab. Moist Room-Days: | 1 |

MIX DATA

| | | Dry Wt. per Cu. Yd. |
|------------------|-------------------------------|---------------------|
| Cement, Brand: | Lehigh-Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per sack | |
| C.A., Kind: | North Shore-Grit Mix | 3130 |

Made by Representative of HTL, Truck 337 at 3:00 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compressive Test of 6" x 6" x 6" cube

Report No. 49-5107

Date 7/30/49

Form R-2

Section Poured: 7th Floor Secretariat Building. Arches- Q to R & 4 to 5.

| | |
|-----------------------------|---------|
| Identification: | 15-A |
| Date Cast: | 7/13/49 |
| Date Tested: | 7/20/49 |
| Age-Days: | 7 |
| Size(In.): | 6x6x6 |
| Area-(Sq.In.): | 36 |
| Total Load-lb.: | 31,500 |
| psi: | 875 |
| Required psi at 28 days: | 1000 |

CURING
Field-Method: Wet Burlap
No. or Days: 2
Lab. Moist Room-Days: 5

MIX DATA

| | | Dry Wt. per Cu. Yd. |
|-----------------|-------------------------------|---------------------|
| Cement, Brand | Lehigh-Type I | 500 |
| Admixture, Kind | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of H^TL. Truck 323 at 10:45 a.m.

Respectfully submitted,

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, INC

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Test of 6" x 6" x 6" Cube**

Report No. **49-5111**

Date **7/30/49**

Form R-2

Section Poured: **8th Floor Secretariat Building 4 to 5 Q to R**

| | |
|-----------------------------|---------|
| Identification: | 18-A |
| Date Cast: | 7/15/49 |
| Date Tested: | 7/22/49 |
| Age-Days: | 7 |
| Size(in.): | 6x6x6 |
| Area-(Sq.In.): | 36 |
| Total Load-lb.: | 27,500 |
| psi: | 764 |
| Required psi at 28 days: | 1000 |

CURING

| | |
|-----------------------|------------|
| Field-Method: | Wet Burlap |
| No. or Days: | 5 |
| Lab. Moist Room-Days: | 2 |

MIX DATA

| | |
|------------------|-------------------------------|
| Cement, Brand: | Lehigh, Type I |
| Admixture, Kind: | 6 oz. Compound #1 per Sack |
| C.A., Kind: | North Shore-Grit Mix |

Dry Wt. per Cu. Yd.
500

3130

Made by Representative of HTL. Truck 337 at 11:00 a.m.

Respectfully submitted,

United Nations-3cc
Fuller-Turner-Walsh-Slattery-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, INC
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compressive Tests of 6" x 6" x 6" Cubes

Report No. 49-5262

Date 7/30/49

Form R-2

Section Poured: 2nd Floor Secretariat Building. 15 to 14 Q to R.

| | | |
|-----------------|---------|--------|
| Identification: | 1-B | 1-C |
| Date Cast: | 6/23/49 | |
| Date Tested: | 7/21/49 | |
| Age-Days: | 28 | 28 |
| Size (In.): | 6x6x6 | 6x6x6 |
| Area-(Sq. In.): | 36 | 36 |
| Total Load-lb.: | 27,780 | 25,720 |
| psi: | 772 | 714 |
| Required psi at | | |
| 28 days: | 1000 | 1000 |

| | | |
|-----------------------|------------|----|
| CURING | | |
| Field-Method: | Wet Burlap | |
| No. or Days: | 6 | 6 |
| Lab. Moist Room-Days: | 22 | 22 |

MIX DATA:

Dry Wt. per Cu. Yd.

| | | |
|------------------|----------------------------|------|
| Cement, Brand | Hercules | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |
| Slump-Inches: | 9-1/2 | |

Made by Representative of HTL, Truck 347 at 3:00 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliott A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations
Project United Nations
Subject Compressive Tests of 6" x 6" x 6" Cubes

Report No. 49-5348

Date 7/30/49

Form R-2.

Section Poured: 2nd Floor 14 to 11 - Q & R. Arches & Beams.

| | | |
|-----------------------------|---------|--------|
| Identification: | 2-B | 2-C |
| Date Cast: | 6/24/49 | |
| Date Tested: | 7/22/49 | |
| Age-Days: | 28 | |
| Size(In.): | 6x6x6 | |
| Area(Sq.In.): | 36 | |
| Total Load-lb.: | 32,610 | 34,210 |
| psi: | 906 | 950 |
| Required psi at 28 days: | 1000 | 1000 |

CURING
Field-Method:
No. or Days:
Lab. Moist Room-Days:

Wet Burlap
5
23

MIX DATA

Dry Wt. per Cu. Yd.

| | | |
|------------------|----------------------------|------|
| Cement, Brand | Lehigh - Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix | 3130 |
| Slump-Inches: | 8 | |

Made by Representative of HTL. Truck 347 at 1:10 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC

Elliot

United Nations-3cc
Fuller-Turner-Walsh-Sperry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Test of 6" x 6" x 6" Cube**

Report No. **49-5350**

Date **7/30/49**

Form R-2

Section Poured: 10th Floor Secretariat Building Bet. 9 & 10 & Q to R.

| | |
|-----------------------------|---------|
| Identification: | 21-A |
| Date Cast: | 7/20/49 |
| Date Tested: | 7/27/49 |
| Age-Days: | 7 |
| Size-In.: | 6x6x6 |
| Area (Sq. In.): | 36 |
| Total Load-lb.: | 22,000 |
| psi: | 611 |
| Required psi at 28 days: | 1000 |

CURING

| | |
|-----------------------|------------|
| Field-Method: | Wet Burlap |
| No. or Days: | 2 |
| Lab. Moist Room-Days: | 5 |

MIX DATA

Dry Wt. per Cu. Yd.

| | | |
|----------------|----------------------|------|
| Cement, Brand: | Lone Star, Type I | 500 |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck N48 at 2:10 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compressive Test of 6" x 6" x 6" Cube

Report No. 49-5338

Date 7/30/49

Form R-2 Section Poured: 9th Floor Secretariat Bldg. Arches 6 to 7, Q to R.

Identification: 20-A
Date Cast: 7/19/49
Date Tested: 7/26/49
Age-Days: 7
Size-inches: 6x6x6
Area-Sq.in.: 36
Total Load-lb: 27,000
psi: 750
Required psi at
28 days: 1000

CURING
Field-Method: Wet Burlap
No. or Days: 1
Lab. Moist Room-Days: 6

MIX DATA:

Cement, Brand: Lehigh
Admixture, Kind: 6 oz. Compound #1
per Sack
C.A., Kind: Grit Mix-North Shore

Dry Wt. per Cu. Yd.
500
3130

Made by Representative of HTL. Truck 333 at 10:35 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Tests of 6" x 6" x 6" Cubes**

Report No. **49-5462**

Date **7/30/49**

Form R-2

Section Poured: 3rd Floor Secretariat Building 15 to 14 and R to S.

| | | |
|--------------------------------------|---------|--------|
| Identification: | 3-B | 3-C |
| Date Cast: | 6/28/49 | |
| Date Tested: | 7/26/49 | |
| Age-Days: | 28 | |
| Size(in.): | 6x6x6 | |
| Area(sq.in.): | 36 | |
| Constant Wt.per cu.ft.(Oven Dry): | 107.8 | 104.2 |
| Total Load-lb.: | 39,720 | 43,050 |
| psi: | 1128 | 1183 |
| Required psi at 28 days: | 1000 | 1000 |

CURING

| | |
|----------------------|------------|
| Field-Method: | Wet Burlap |
| No. or Days: | 3 |
| Lab Moist Room-Days: | 25 |

MIX DATA

| | | |
|------------------|------------------------------|-------------------|
| Cement, Brand: | Lehigh-Type I | Dry Wt.per Cu.Yd. |
| Admixture, Kind: | 6 oz.Compound #1 per Sack | 500 |
| C.A., Kind: | Grit Mix-North Shore | 3130 |
| Slump-inches: | 10 | |

Made by Representative of HTL. Truck 347 at 10:05 a.m.

Respectfully submitted,

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Test of 6" x 6" x 6" Cube**

Report No. **49-5349**

Date **7/30/49**

Form R-2 Section Poured: **9th Fl. Secretariat Building. 15 to 14-Q to R.**

| | |
|-----------------------------|---------|
| Identification: | 19-A |
| Date Cast: | 7/18/49 |
| Date Tested: | 7/25/49 |
| Age-Days: | 7 |
| Size(In.): | 6x6x6 |
| Area(Sq.In.): | 36 |
| Total Load-lb.: | 36,000 |
| psi: | 1000 |
| Required psi at 28 days: | 1000 |

| | |
|-----------------------|------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No. or Days: | 2 |
| Lab. Moist Room-Days: | 5 |

MIX DATA:

| | | Dry Wt. per Cu. Yd. |
|------------------|-------------------------------|---------------------|
| Cement, Brand: | Lehigh-Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 333 at 10:50 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**
Project **United Nations**
Subject **Compressive Test of 6" x 6" x 6" Cube**
Report No. **49-5572** Date **7/30/49**

Form R-2

Section Poured: 11th Floor Secretariat Bldg. Arch Q to R 12 to 11.

| | |
|--------------------------|---------|
| Identification: | 24-A |
| Date Cast: | 7/22/49 |
| Date Tested: | 7/29/49 |
| Age-Days: | 7 |
| Size(in.): | 6x6x6 |
| Area(sq.in.): | 36 |
| Total Load-lb.: | 30,000 |
| psi: | 833 |
| Required psi at 28 days: | 1000 |

| | |
|-----------------------|------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No. or Days: | 6 |
| Lab. Moist Room-Days: | 1 |

MIX DATA:

Dry Wt. per Cu. Yd.

| | | |
|-------------|----------------------|------|
| Cement: | Type I | 500 |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 347 at 11:15 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Sattery-3cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Test of 6" x 6" x 6" Cube**

Report No. **49-5574**

Date **7/30/49**

Form R-2

Section Poured: 10th Floor Secretariat Bldg. Arches Q to R, 4 to 5.

| | |
|-----------------------------|---------|
| Identification: | 22-A |
| Date Cast: | 7/21/49 |
| Date Tested: | 7/29/49 |
| Age-Days: | 8 |
| Size(In.): | 6x6x6 |
| Area(sq.in.): | 36 |
| Total Load-lb.: | 18,000 |
| psi: | 500 |
| Required psi at 28 days: | 1000 |

| | |
|----------------------|------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No.Or Days: | 7 |
| Lab.Moist Room-Days: | 1 |

MIX DATA:

Dry Wt.per Cu.Yd.

| | | |
|------------|----------------------|------|
| Cement: | Type I | 500 |
| C.A.,Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 325 at 10:15 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc
ck

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Test of 6" x 6" x 6" Cube**

Report No. **49-5573**

Date **7/30/49**

Form R-2

Section Poured: **10th Floor Secretariat Bldg. 6 to 5, Q to R.**

| | |
|-----------------------------|----------------|
| Identification: | 23-A |
| Date Tested: | 7/29/49 |
| Date Cast: | 7/21/49 |
| Age-Days: | 8 |
| Size(in.): | 6x6x6 |
| Area(sq.in.): | 36 |
| Total Load-lb.: | 36,000 |
| psi: | 1000 |
| Required psi at 28 days: | 1000 |

| | |
|-----------------------|-------------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No. or Days: | 7 |
| Lab. Moist Room-Days: | 1 |

MIX DATA

Dry Wt. per Cu. Yd.

| | | |
|-------------|-----------------------------|-------------|
| Cement: | Type I | 500 |
| C.A., Kind: | North Shore-Grit Mix | 3130 |

Made by Representative of HTL. Truck 311 at 12:45 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

3rd Floor Secretariat Building

Section **Poured Arches and Cantilever P & S Line.**

Report No. **49-5538**

Cross-Sectional Area—28.3 Sq. In.

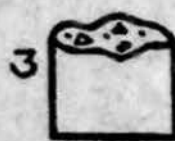
Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| Identification | G 15-B | G 15-C | | | Proportions |
|-----------------------------------|--------------------------|--------|--|--|--|
| Date Cast | 6/29/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/27/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 62,500 | 61,000 | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 2208 | 2155 | | | Grit Mix-North Shore C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 2 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | 26 | | | Slump, Inches 4-1/2 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 337 at 1:20 p.m.**

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

4th Floor Secretariat Bldg.

Section Poured **P to Q 15 to 12, Cantilever and Arches.** Report No. **49-5543**

Cross-Sectional Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|---------------|--|--|--|
| Identification | G 16-B | G 16-C | | | Proportions |
| Date Cast | 7/1/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/29/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 75,500 | 76,500 | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 2597 | 2703 | | | Grit Mix-North Shore C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | 2500 | 2500 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 2 | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 23 | 23 | | | Slump, Inches 4-3/4 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 337 at 10:00 a.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slattey-3cc

Moran, Proctor, Freeman & Mueser-1cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

4th Floor Secretariat Building

Section Poured **Cantilever and Arches S Line 15 to 14.**

Report No. **49-5544**

Cross-Sectional Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

Condition of Specimens

Satisfactory

MIX DATA

| Identification | G 17-B | G 17-C | | | Proportions |
|-----------------------------------|------------------------|---------|--|--|--|
| Date Cast | 7/1/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/29/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 96,500 | 100,500 | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 3409 | 3550 | | | Grit Mix-North Shore C.A., lb. per cu. yd. 3000 |
| Required psi at 28 Days | 2500 | 2500 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 2 | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 23 | 23 | | | Slump, Inches 5 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 347 at 6:00 p.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc

ck

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

Section Poured **Pile cap X7**

Report No. **49-5609**

Cross-Sectional Area—28.3 Sq. In.

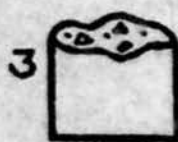
Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| Identification | 69-B | 69-C | | | Proportions |
|-----------------------------------|-------------------|---------------|--|--|---|
| Date Cast | 6/30/49 | | | | Cement, Brand Hercules Type I |
| Date Tested | 7/28/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 88,500 | 88,000 | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 3127 | 3110 | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | 3000 | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 27 | 27 | | | Slump, Inches 5 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 45 at 8:30 a.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc

ek

Form R-1

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

United Nations

Date **7/30/49**

United Nations

Wall Ftg. 8A $\frac{1}{2}$ to 10 $\frac{1}{2}$ X Line

Report No. **49-5339**

Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-------------------|----------------|-------------|--|--|---|
| | 83-A | | | | Proportions |
| | 7/22/49 | | | | Cement, Brand Atlas Type I |
| | 7/29/49 | | | | Cement, lb. per cu. yd. 545 |
| Time in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Weight | 73,000 | | | | McCormack F.A., lb. per cu. yd. 1150 |
| Strength psi | 2579 | | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| | 2 | | | | Water, Gal. per cu. yd. 38.5 |
| Wet Burlap | | | | | w/c Ratio, Gal. per sack |
| & No. Days | 6 | | | | Slump, Inches 3 |
| Mo. Days | 1 | | | | |



Delivered by Representative of HTL. Truck 80 at 2:20 p.m.

United Nations-3cc
Director, Freeman & Mueser-1cc
Carter-Walsh-Slaterry-3cc

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

Section Poured **Floor Slab-Pump Room**

Report No. **49-5540**

Cross-Sectional Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | 82-A | | | | Proportions |
| Date Cast | 7/21/49 | | | | Cement, Brand Atlas Type I |
| Date Tested | 7/29/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 8 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 72,000 | | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 2544 | | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 7 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 1 | | | | Slump, Inches 5 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 80 at 1:10 p.m.**

United Nations-3cc
Fuller-Turner-Walsh-Shattery-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

Section Poured **11th Floor Secretariat Bldg.
14 to 12 & P Line Arch & Cantilever.**

Report No. **49-5541**

Cross-Sectional Area—28.3 Sq. In.

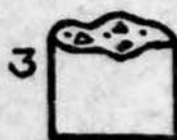
Capping Material **plaster-cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | G 31-A | | | | Proportions |
| Date Cast | 7/22/49 | | | | Cement, Brand Type I |
| Date Tested | 7/29/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 56,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1978 | | | | Grit Mix-North Shore C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 6 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 1 | | | | Slump, Inches 6 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL, Truck 337 at 9:45 a.m.**

**United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck**

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

10th Floor Secretariat Building

Section Poured **Arches Cantilever P Line 7 to 8**

Report No. **49-5542**

Cross-Sectional Area—28.3 Sq. In.

Capping Material **plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | G 30A | | | | Proportions |
| Date Cast | 7/21/49 | | | | Cement, Brand Type I |
| Date Tested | 7/29/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 8 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 54,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1908 | | | | North Shore-Grit Mix C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 7 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 1 | | | | Slump, Inches 5-1/2 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL, Truck 347 at 8:50 a.m.**

United Nations-3cc

Moran, Proctor, Freeman^α Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**
Project **United Nations**
Subject **Compressive Tests of 6" x 6" x 6" Cubes**

Report No. **49-5467**

Date **7/30/49**

Section Poured: **4th Floor Secretariat Bldg. Arches Q to R 14 to 12.**

| | | |
|-----------------|--------|---------|
| Identification: | 7-B | 7-C |
| Date Cast: | | 6/30/49 |
| Date Tested: | | 7/28/49 |
| Age-Days: | | 28 |
| Size(in.): | | 6x6x6 |
| Area(sq.in.): | | 36 |
| Wt.per cu.ft. | | |
| (Oven Dry): | 99.0 | 103.9 |
| Total Load-lb.: | 50,220 | 34,720 |
| psi: | 1339 | 964 |
| Required psi at | | |
| 28 days: | 1000 | 1000 |

| | |
|----------------------|------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No.or Days: | 6 |
| Lab.Moist Room-Days: | 22 |

MIX DATA

| | | |
|------------------|----------------------|-------------------|
| | | Dry Wt.per cu.yd. |
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 | |
| | per sack | |
| G.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 311 at 2:50 p.m.

Respectfully submitted,

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Tests of 6" x 6" x 6" Cubes**

Report No. **49-5469**

Date **7/30/49**

Form R-2

Section Poured: 4th Floor Secretariat Building, Q to R and 4 to 5.

| | | |
|--------------------------|---------|--------|
| Identification: | 8-B | 8-C |
| Date Cast: | 7/1/49 | |
| Date Tested: | 7/29/49 | |
| Age-Days: | 28 | |
| Size(In.): | 6x6x6 | |
| Area(sq.in.): | 36 | |
| Wt.per cu.ft.(Oven Dry): | 108.7 | 108.8 |
| Total Load-lb.: | 49,980 | 49,310 |
| psi: | 1388 | 1370 |
| Required psi at 28 days: | 1000 | 1000 |

CURING

| | |
|-----------------------|------------|
| Field-Method: | Wet Burlap |
| No. or Days: | 5 |
| Lab. Moist Room-Days: | 23 |

MIX DATA:

Dry Wt. per Cu. Yd.

| | | |
|------------------|----------------------------|------|
| Cement, Brand: | Lehigh-Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| G. A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 311 at 2:50 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Tests of 6" x 6" x 6" Cubes**

Report No. **49-5468**

Date **7/30/49**

Section Poured: **4th Floor Secretariat Bldg. Arches 15 to 14 Q to R.**

| | | |
|-----------------------------|---------|--------|
| Identification: | 6-B | 6-C |
| Date Cast: | 6/30/49 | |
| Date Tested: | 7/28/49 | |
| Age-Days: | 28 | |
| Size(in.): | 6x6x6 | |
| Area(sq.in.): | 36 | |
| Wt.per cu.ft.(Oven Dry): | 103.5 | 106.9 |
| Total Load-lb.: | 42,920 | 51,360 |
| psi: | 1192 | 1427 |
| Required psi at 28 days: | 1000 | 1000 |

| | | |
|----------------------|------------|----|
| CURING | | |
| Field-Method: | Wet Burlap | |
| No.or Days: | 6 | 6 |
| Lab.Moist Room-Days: | 22 | 22 |

MIX DATA:

| | | |
|------------------|-------------------------------|-------------------|
| Cement, Brand: | Lehigh-Type I | Dry Wt.per Cu.Yd. |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | 500 |
| C.A., Kind: | Grit-Mix, North Shore | 3130 |

Made by Representative of HTL. Truck 337 at 1:15 p.m.

Respectfully submitted,

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

Section Poured 3rd Basement Fl. 5 to 4, Q to R.

Report No. 49-5344

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | <u>79-A</u> | | | | Proportions |
| Date Cast | <u>7/18/49</u> | | | | Cement, Brand <u>Atlas</u> <u>Type I</u> |
| Date Tested | <u>7/25/49</u> | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>77,000</u> | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | <u>2721</u> | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | | <u>3000</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>1</u> | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>2</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>5</u> | | | | Slump, Inches <u>4-1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 60 at 12:40 p.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

Section Poured File Cap X-15

Report No. 49-5345

Sectional Area—28.3 Sq. In.

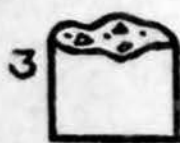
Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | <u>80-A</u> | | | | Proportions |
| Date Cast | <u>7/18/49</u> | | | | Cement, Brand <u>Atlas</u> <u>Type I</u> |
| Date Tested | <u>7/25/49</u> | | | | Cement, lb. per cu. yd. <u>592</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>80,000</u> | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1130</u> |
| Compressive Strength psi | <u>2827</u> | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | | <u>3500</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>1</u> | | | | Water, Gal. per cu. yd. <u>36.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>2</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>5</u> | | | | Slump, Inches <u>2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of H^TL. Truck 135 at 2:00 p.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slattey-3cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elmer A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

Section Poured W. Wall - Pump Room 12 to 11.

Report No. 49-5346

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

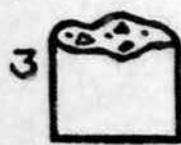
Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|--------------------------|--------|--|--|---|
| Identification | 67-B | 67-C | | | Proportions |
| Date Cast | 6/24/49 | | | | Cement, Brand <u>Hercules Type I</u> |
| Date Tested | 7/22/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 93,500 | 94,000 | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 3304 | 3322 | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | 3000 | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | 1 | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 5 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 23 | 23 | | | Slump, Inches <u>5</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 55 at 11:00 a.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slattey-3cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

Section Poured 2nd Floor Secretariat Bldg. Arches & Cantilevers - S & P Lines.

Report No. 49-5347

Cross-Sectional Area—28.3 Sq. In.

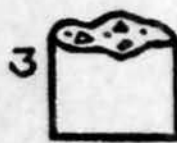
Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G 15B | G 15C | | | Proportions |
|--------------------------------|------------|--------|--|--|--|
| Date Cast | 6/27/49 | | | | Cement, Brand |
| Date Tested | 7/25/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 57,000 | 60,000 | | | <u>North Shore</u> F.A., lb. per cu. yd. |
| Compressive Strength psi | 2014 | 2120 | | | <u>Grit Mix</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | 1 | | | Water, Gal. per cu. yd. |
| CURING | Wet Burlap | | | | |
| Field—Method & No. Days | 2 | 2 | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | 26 | | | Slump, Inches <u>4</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 347 at 10:45 a.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slattey-3cc

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

Section Poured Pile Cap X20

Report No. 49-5340

Cross-Sectional Area—28.3 Sq. In.

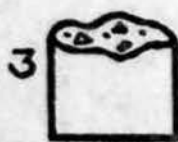
Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|---|
| Identification | 81-A | | | | Proportions |
| Date Cast | 7/20/49 | | | | Cement, Brand <u>Atlas</u> <u>Type I</u> |
| Date Tested | 7/27/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 78,000 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 2756 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches <u>3-1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of H^TL. Truck N-34 at 12:20 p.m.

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

10th Floor Secretariat Building

Section Poured Arches & Cantilever 14 to 12 P Line.

Report No. 49-5341

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | <u>G 29-A</u> | | | | Proportions |
| Date Cast | <u>7/20/49</u> | | | | Cement, Brand <u>Type I Lone Star</u> |
| Date Tested | <u>7/27/49</u> | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>59,000</u> | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | <u>2084</u> | | | | Grit Mix-North Shore C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | <u>1750</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>2</u> | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>2</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>5</u> | | | | Slump, Inches <u>4-1/2</u> |

TYPICAL
FRACTURES



2



3



4



Remarks Made by Representative of HTL. Truck 325 at 9:50 a.m.

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

9th Floor Secretariat Building

Section Poured Arches and Cantilever S Line 4 to 5.

Report No. 49-5339

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|--|
| Identification | G 28-A | | | | Proportions |
| Date Cast | 7/19/49 | | | | Cement, Brand <u>Lehigh</u> Type <u>I</u> |
| Date Tested | 7/26/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 53,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1872 | | | | <u>Grit Mix-North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 1 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 6 | | | | Slump, Inches <u>6</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 325 at 1:05 p.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/30/49

Project United Nations

9th Floor Secretariat Bldg.

Section Poured Arch & Cantilever 7 to 8-P Line Report No. 49-5337

Cross-Sectional Area—28.3 Sq. In. Capping Material plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | <u>G-27A</u> | | | | Proportions |
| Date Cast | <u>7/19/49</u> | | | | Cement, Brand <u>Lehigh</u> <u>Type I</u> |
| Date Tested | <u>7/26/49</u> | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>46,000</u> | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | <u>1625</u> | | | | <u>North Shore-Grit Mix</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | <u>1750</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>2</u> | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>1</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>6</u> | | | | Slump, Inches <u>5-1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 323 at 9:00 a.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc

Form R-1

ck

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/30/49

Project United Nations

9th Floor Secretariat Bldg. P Line

Section Poured 15 - 14 Arches and Cantilever

Report No. 49-5342

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|---|
| Identification | G 25-A | | | | Proportions |
| Date Cast | 7/18/49 | | | | Cement, Brand <u>Lehigh</u> |
| Date Tested | 7/25/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 60,500 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 2138 | | | | Grit Mix—North Shore C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches <u>5</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL, Truck 347 at 9:30 a.m.

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/30/49**

Project **United Nations**

Section Poured **Wall Ftg. 8A₂ to 10₂ X Line**

REVISED

Report No. **49-5539**

Cross-Sectional Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

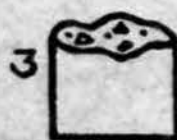
Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | 83-A | | | | Proportions |
| Date Cast | 7/22/49 | | | | Cement, Brand Atlas Type I |
| Date Tested | 7/29/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 73,000 | | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 2579 | | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 6 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 1 | | | | Slump, Inches 3 |

TYPICAL
FRACTURES



Remarks **Made by Representative of H.L. Truck 80 at 2:20 p.m.**

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

file

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/29/49

Project United Nations

Section Poured Third Basement Floor Slab -
1 to 2 - R to S

Report No. 49-5089

Cross-Sectional Area—28.3 Sq. In.

Capping Material

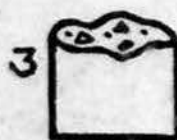
Plaster Cement

Condition of specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|------|--|--|---|
| Identification | 73A | | | | Proportions |
| Date Cast | 7/12/49 | | | | Cement, Brand <u>Lawrence</u> Type <u>I</u> |
| Date Tested | 7/19/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 95,000 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 3357 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>1</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 6 | | | | Slump, Inches <u>3"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #45 at 8:40 a.m.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

reb
Form R-1

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/29/49

Project United Nations

First Floor Secretariat Bldg.

Section Poured 10 to 9, and P to S

Report No. 49-5088

Cross-Sectional Area—28.3 Sq. In.

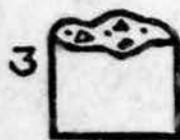
Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G11B | G11C | | | Proportions |
|-----------------------------------|-----------------|--------|--|--|--|
| Date Cast | 6/21/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/19/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. North Shore |
| Total Load—Pounds | 73,000 | 69,000 | | | F.A., lb. per cu. yd. 400 |
| Compressive Strength psi | 2579 | 2438 | | | Gritmix, North Shore C.A., lb. per cu. yd. 2600 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 45.0 |
| CURING Field—Method & No. Days | Wet Burlap 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | | | | Slump, Inches 4 1/2" |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck N-30 at 1:10 pm.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

reb

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/29/49

Project United Nations

Section Poured Section Well Wall - Pump Room

Report No. 49-5110

Cross-Sectional Area—28.3 Sq. In.

Capping Material

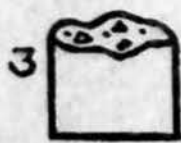
Condition of Specimens Satisfactory

Plaster Cement

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|---|
| Identification | 76A | | | | Proportions |
| Date Cast | 7/15/49 | | | | Cement, Brand <u>Atlas Type I</u> |
| Date Tested | 7/22/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 70,000 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 2473 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 2 | | | | Slump, Inches <u>4 1/2"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of EHL. Truck 125 at 10:00 am.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

reb

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/29/49
Project United Nations
Section Poured File Cap X18 Report No. 49-5112
Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|---|
| Identification | 77A | | | | Proportions |
| Date Cast | 7/15/49 | | | | Cement, Brand <u>Atlas</u> Type <u>I</u> |
| Date Tested | 7/22/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 67,000 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1130</u> |
| Compressive Strength psi | 2367 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | Wet Burlap 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 2 | | | | Slump, Inches <u>4 1/2</u> |

TYPICAL
FRACTURES



Remarks Truck #120 at 10:30 am. Made by Representative of HTL.

United Nations - 3 cc
Moran, P.F. & M - 1 cc
Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Wm. A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/29/49

Project United Nations

Section Poured 8th Floor Secretariat Bldg.
Arches & Cantilevers Line S - 5 to 6

Report No. 49-5109

Cross-Sectional Area—28.3 Sq. In.

Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|---|
| Identification | G24A | | | | Proportions |
| Date Cast | 7/15/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/22/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 50,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1766 | | | | <u>Gritmix - North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 2 | | | | Slump, Inches <u>6"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #311 at 1:45 pm.

United Nations - 3 cc
Moran, P.F. & M- 1 cc
Fuler, T.W.S. - 3 cc

reb

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

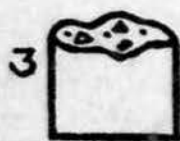
STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/29/49
Project United Nations
Section Poured Pile Cap X-4 Report No. 49-5108
Cross-Section Area—28.3 Sq. In. Capping Material Plaster Cement
Condition of Specimens Satisfactory

MIX DATA

| Identification | 66B | 66C | | | Proportions |
|-----------------------------------|-----------------|--------|------|--|---|
| Date Cast | 6/23/49 | | | | Hercules Cement, Brand Type I |
| Date Tested | 7/21/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 90,500 | 86,000 | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 3198 | 3039 | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | | | 3000 | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | 1 | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 6 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 22 | | | | Slump, Inches 5" |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #40 at 10:40 am.

United Nations - 3 cc
Moran, P.F. & M- 1 cc
Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Edw. A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

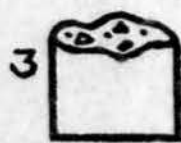
STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/29/49
Project United Nations
Section Poured Third Basement and Floor Slab Report No. 49-5106
2 1/2 to 3 1/2 - P to S
Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|---|
| Identification | 74A | | | | Proportions |
| Date Cast | 7/13/49 | | | | Cement, Brand <u>Lawrence</u> <u>Type I</u> |
| Date Tested | 7/20/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 85,500 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 3021 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches <u>5"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #235 at 10:00 am.

United Nations - 3 cc

Moran, P F & M - 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/29/49

Project United Nations

Section Poured Seventh Floor Secretariat Bldg.

Arch & Cantilevers - Line S - 4 to 5 Report No. 49-5105

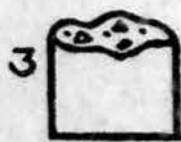
Cross-Section Area—28.3 Sq. In. Capping Material Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|--|
| Identification | G24A | | | | Proportions |
| Date Cast | 7/13/49 | | | | Cement, Brand <u>Lehigh</u> Type <u>I</u> |
| Date Tested | 7/20/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 45,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1590 | | | | <u>Gritmix, North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches <u>6"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #343 at 1:00 pm

United Nations - 3 cc
Moran, P.F. & M- 1 cc
Fuller, T.W.S. - 3 cc

reb

Form R-1

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/29/49

Project United Nations

Section Poured Tunnel Walls - X to V Lines - 2 to 3 Report No. 49-5102

Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|---|
| Identification | 75A | | | | Proportions |
| Date Cast | 7/14/49 | | | | Cement, Brand <u>Lawrence Type I</u> |
| Date Tested | 7/21/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 54,000 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1130</u> |
| Compressive Strength psi | 1908 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | Wet Burlap 6 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 1 | | | | Slump, Inches <u>3"</u> |

TYPICAL
FRACTURES



2



3



4



Remarks Made by Representative of HTL. Truck #55 at 4:00 pm.

United Nations - 3 cc

Moran P.F. & M. - 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/29/49

Project United Nations

8th Floor Secretariat Bldg.

Section Poured Arches & Cantilever - P Line 14 to 12 Report No. 49-5101

Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|--|
| Identification | G24A | | | | Proportions |
| Date Cast | 7/14/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/21/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 44,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1555 | | | | <u>Gritmix, North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 6 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 1 | | | | Slump, Inches <u>6"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #337 at 10:20 am.

United Nations - 3 cc
Moran P.F. & M - 1 cc
Fuller, T.W.S. - 3 cc

reb

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/29/49**

Project **United Nations**

Section Poured **Pile Cap X-10**

Report No. **49-5087**

Cross-Sectional Area—28.3 Sq. In.

Capping Material
Plaster Cement

Condition of Specimens **Satisfactory**

MIX DATA

| Identification | 65B | 65C | | | Proportions |
|-----------------------------------|-------------------------------|--------|--|--|---|
| Date Cast | 6/21/49 | | | | Cement, Brand Hercules Type I |
| Date Tested | 7/19/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 87,000 | 89,000 | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 3074 | 3145 | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | 3000 | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | | | | Slump, Inches 4" |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck #235 at 10:15 am.**

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Walter A. Haller

reb

Form R-1

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date 7/29/49
Project United Nations N.B.
Alt.
Welding Permit not required Report No. 49-5470

Description of Job: Welding of pile splices

Welding Contractor: Walsh Construction Co. ~~Shop~~ Welded or Riveted: Field Welding

Welders: Name and Index No. Eugene M. Lynch #702 Walter J. Megill #573
James P. O'Mara #851 Ulysses G. Miles #597
2-Hobarts Arthur Tolman #385
1-Lincoln

Machine: 1-P&H Electrodes: 5/32" and 3/16" #5 Lincoln
1-Westinghouse Reverse Polarity

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

No. of individual welds made 150; Accepted, 150; Rejected, 4; Omitted none

Lineal inches of welds made 1212 1/2; Accepted, 1212 1/2; Re-welded, 10 1/2

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: Three craters cleaned and filled. One bead undersized was given one additional pass to bring up to specifications.

Size of weld 3/8" No. of layers or beads 2 and 3 Symbol stamped near weld HTL

Exact location where welding was performed pile #11-4 12-4 13-4 21-4 20-4 North
of Bent 36.

Inspector: John C. Liddy

Weather and Average Temperature: 89°

* In addition 14 caps were welded
for a total of 70 3/8" welds.

United Nations-4cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations** Date **7/28/49**

Project **United Nations** Report No. **49-5472**

Producer **Colonial Sand and Stone Company-62nd St., N.Y.**

Contractor **Brennen-Sloan & Knickerbocker**
Secretariat Bldg 13th Floor

Section Poured **15 to 9 - P to S.** Strength Requirements: at 28 days **1000**

Nominal Mix 1: Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: **500** Lb. Cement, **400** Lb. Fine Agg., **2730** **Grit Mix** Lb. Coarse Agg., **45.0** Gals. Water (Max.)

Cement Brand **Lehigh Type I** F. A. Source **North Shore** C. A. Source **North Shore**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit | 3/8 | 4 | 8 | 16 | 30 | 50 | 100 | F.M. |
|-------------|-------|---------------|----------------|----------------|----------------|----------------|----------------|-------|
| Mix | | xx | xxx | xxx | xxx | xxx | xxx | |
| Coarse Agg. | 100.0 | 73.2 | 42.2 | 32.4 | 23.2 | 11.2 | 2.0 | 4.128 |
| Sieve | | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.4 | 89.8 | 76.6 | 53.0 | 17.4 | 2.8 | 2.620 | |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|--------------|------------|------------------------------|-------------------|---------------------|---------------------------|----------------------------|
| 7:00 | F. A. 5.5 | 2.76 | 423 | | | Weather Clear |
| | C. A. 4.0 | 13.7 | 2844 | | | Average Temp. A. M. 80 |
| 10:30 | F. A. 5.5 | 2.76 | 423 | | | P. M. 93 |
| | C. A. 4.0 | 13.7 | 2844 | | | Slump Ordered |
| 12:30 | F. A. 4.5 | 2.28 | 419 | | | Time Arrived Plant—6:30 am |
| | C. A. 3.0 | 10.0 | 2814 | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant—4:30 pm |
| | | | | | | Total Hours 9-1/2 |
| | | | | | | No. Cu. Yds. 267 |
| | | | | | | Inspector Tutera |

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Edwards & York-1cc
ek

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

Section Poured First Basement Floor - 1 to 3
P to S

Report No. 49-5098

Sectional Area—28.3 Sq. In.

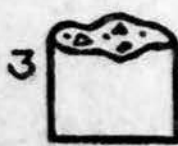
Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G7B | G7C | | | Proportions |
|-----------------------------------|-------------------------------|--------|--|--|--|
| Date Cast | 6/17/49 | | | | Cement, Brand <u>Lehigh</u> <u>Type I</u> |
| Date Tested | 7/15/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Initial Load—Pounds | 77,500 | 69,000 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 2739 | 2438 | | | <u>Gritmix, North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>3</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | | | | Slump, Inches <u>6-3/4"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #337 at 10:00 am.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

Section Poured First Floor Secretariat Bldg.
Cantilever & Arch, Line S, 10 to 8

Report No. 49-5099

Cross-Sectional Area—28.3 Sq. In.

Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G12B | G12C | | | Proportions |
|-----------------------------------|-------------------------------|--------|--|--|---|
| Date Cast | 6/22/49 | | | | Cement, Brand <u>Lehigh</u> <u>Type I</u> |
| Date Tested | 7/20/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Initial Load—Pounds | 79,000 | 79,000 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 2792 | 2792 | | | <u>Gritmix North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 2500 | 2500 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>2</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | | | | Slump, Inches <u>4"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck # 337 at 10:20 am

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

reb

Form R-1

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

First Floor Secretariat Bldg.

Section Poured 8 to 4 and P to S

Report No. 49-5100

Cross-Sectional Area—28.3 Sq. In.

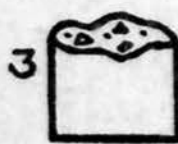
Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G13B | G13C | | | Proportions |
|-----------------------------------|-----------------|--------|--|--|--|
| Date Cast | 6/22/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/20/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 59,500 | 70,000 | | | North Shore F.A., lb. per cu. yd. 400 |
| Compressive Strength psi | 2102 | 2473 | | | Gritmix, North Shore C.A., lb. per cu. yd. 2600 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 2 | | | Water, Gal. per cu. yd. 45.0 |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | | | | Slump, Inches 4½" |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #347 at 1:00 pm

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T W S - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/28/49

Project United Nations

Section Poured Pile Cap X-24 Report No. 49-5093

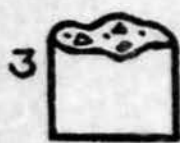
Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|---|
| Identification | 72A | | | | Proportions |
| Date Cast | 7/11/49 | | | | Cement, Brand <u>Lawrence Type I</u> |
| Date Tested | 7/18/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 88,500 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 3127 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches <u>5 1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of BTL. Truck #55 at 2:05 pm.

United Nations - 3 cc
Moran, P.F. & M- 1 cc
Fuller, T.W.S. - 3 cc

reb

Form R-1

THE HALLER TESTING LABORATORIES, Inc.

21110T A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/28/49**

Project **United Nations**

Section Poured

Report No. **49-5097**

Cross-Sectional Area—28.3 Sq. In.

Capping Material
Plaster Cement

Condition of Specimens **Satisfactory**

MIX DATA

| Identification | G8B | G8C | | | Proportions |
|-----------------------------------|-----------------|--------|--|--|---|
| Date Cast | 6/17/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/15/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 93,500 | 90,500 | | | North Shore F.A., lb. per cu. yd. 400 |
| Compressive Strength psi | 3304 | 3198 | | | Gritmix North Shore C.A., lb. per cu. yd. 2600 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 45.0 |
| CURING Field—Method & No. Days | Wet Burlap 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | | | | Slump, Inches 7" |

TYPICAL
FRACTURES



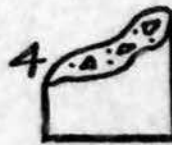
2



3



4



Remarks **Made by Representative of HTL. Truck #337 at 1:00 pm.**

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

7th Floor Secretariat Bldg.

Section Poured Cantilever & Arch S Line 15 to 14

Report No. 49-5095

Cross-Sectional Area—28.3 Sq. In.

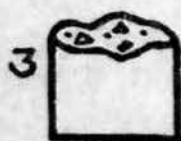
Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|--|
| Identification | G22A | | | | Proportions |
| Date Cast | 7/12/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/19/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 42,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1484 | | | | Gritmix, North Shore C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 4 | | | | Slump, Inches 5 1/2" |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #311 at 9:30 am.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

reb

Form R-1

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

Section Poured South Portion of Inner Wall
Ramp #7

Report No. 49-5094

Sectional Area—28.3 Sq. In.

Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | 64B | 64C | | | Proportions |
|-----------------------------------|-----------------|--------|--|--|--|
| Date Cast | 6/16/49 | | | | Cement, Brand Hercules Type I |
| Date Tested | 7/14/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 90,000 | 87,000 | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 3180 | 3074 | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | 3000 | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 4 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 24 | | | | Slump, Inches 5½" |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #135 at 10:30 a.m.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

reb

Form R-1

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

First Basement Floor

Section Poured Cantilevers - S Line

Report No. 49-5092

Cross-Sectional Area—28.3 Sq. In.

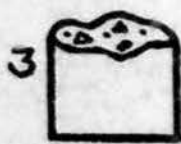
Capping Material
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G6B | G6C | | | Proportions |
|-----------------------------------|-----------------|---------|--|--|--|
| Date Cast | 6/16/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/14/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 105,000 | 114,500 | | | North Shore F.A., lb. per cu. yd. 400 |
| Compressive Strength psi | 3709 | 4045 | | | Gritmix, North Shore C.A., lb. per cu. yd. 2600 |
| Required psi at 28 Days | 2500 | 2500 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 45.0 |
| CURING Field—Method & No. Days | Wet Burlap 4 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 24 | | | | Slump, Inches 4" |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 343 at 10:45 am.

United Nations - 3 cc

Moran, P F & M - 1 cc

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/28/49

Project United Nations

First Floor Secretariat Bldg.

Section Poured 15 - 12 - R to S - Arches

Report No. 49-5090

Cross-Section Area—28.3 Sq. In.

Capping Material

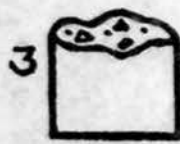
Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|--------|--|--|---|
| Identification | G10B | G10C | | | Proportions |
| Date Cast | 6/20/49 | | | | Cement, Brand <u>Lehigh</u> Type <u>I</u> |
| Date Tested | 7/18/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 61,000 | 62,500 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 2155 | 2208 | | | <u>Gritmix North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>2</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | | | | Slump, Inches <u>5-3/4"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #337 at 1:15 pm.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

Fuller, T.W.S. - 3 cc

reb

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 28, 1949
Project United Nations N.B.
Welding Permit Report No. 49-5471 Alt.

Description of Job: Welding of H File splices

Welding Contractor: Walsh Cont. Co.

~~Shop~~ Welded or Riveted: Field Welding

Welders: Name and Index No. Eugene M. Lynch 702 Walter J. McGill 572
James P. O'Mara #851 Ulysses G. Miles 507
2-Hobarts)
1-Lincoln) Arthur Tolman #385

Machine: 1-P & H 300 amp. Electrodes: 5/32 and 3/16 Lincoln #5
1-Westinghouse)

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,

and Workmanship? Yes

No. of individual welds made 120; Accepted, 120; Rejected, none; Omitted none

Lineal inches of welds made 1082 1/2; Accepted, 1082 1/2; Re-welded, none

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: One tack weld cracked. Weld was burned and chipped out to base metal and rewelded.

Size of weld 3/8" No. of layers or beads 2 and 3 Symbol stamped near weld HTL

Exact location where welding was performed: Splice welds at pile 14-4 16-4 and 17-4 (12" piles) One 14" H Pile at pier 36

Inspector: John C. Liddy

Weather and Average Temperature: 92°

* In addition 20 caps to H piles =
100 3/8" welds.

United Nations-4cc
Fuller-Turner-Walsh-Slattry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

file

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/28/49

Project United Nations

First Floor Secretariat Bldg.

Section Poured 15 to 12 - P to R Arch Report No. 49-5091

Cross-Sectional Area—28.3 Sq. In. Capping Material

Plaster Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G9B | G9C | | | Proportions |
|-----------------------------------|-------------------------------|--------|--|--|--|
| Date Cast | 6/20/49 | | | | Cement, Brand <u>Lehigh</u> <u>Type I</u> |
| Date Tested | 7/18/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 75,500 | 65,500 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 2668 | 2315 | | | <u>Gritmix, North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>2</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | | | | Slump, Inches <u>6½"</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #347 at 10:45 am.

United Nations - 3 cc

Moran, P.F. & M- 1 cc

reb

Fuller, T.W.S. - 3 cc

THE HALLER TESTING LABORATORIES, Inc.

W. A. Haller

*Copy to Mr. Hatcher
to substitute
& also mark my
former report
VOID*

THE HALLER TESTING LABORATORIES, INC.

801 SECOND AVENUE, NEW YORK 17, N. Y.

TEL. MURRAY HILL 4-5358

THE TUTTLE-HALLER COMPANIES
THE HALLER ENGINEERING ASSOCIATES, INC.
THE HALLER TESTING LABORATORIES, INC.

TESTING



INSPECTION

CONSULTATION

file

ARTHUR S. TUTTLE, CHAIRMAN
ROGER L. HALLER, PRESIDENT
ELLIOT A. HALLER, V. PRES. & TREAS.

July 27, 1949

United Nations
405 East 42nd Street
New York, New York

Attention: Mr. James A. Dawson

Gentlemen:

Please substitute the enclosed Revised Report No. 49-5018
for that previously sent bearing the same report number.

We hope this has not inconvenienced you.

Very truly yours,

THE HALLER TESTING LABORATORIES, INC.

Carol Kelly
(Mrs.) Carol Kelly

/ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations

Date July 14, 1949

Project United Nations

N.B.
Alt.

Welding Permit

REVISED
Report No. 49-5018

Description of Job: Welding of 14" H pile splice

Working Contractor: Walsh Const. Co.

~~Welded~~ Welded or Riveted: Field Welding

Welders: Name and Index No. Eugene M. Lynch #702
Ulysses G. Miles #597

Walter J. Megill #573

1 Westinghouse)

1 Lincoln)

Machine: 1 P & H) 300 amps.

Electrodes: 3/16 Lincoln #7 & #5

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

No. of individual welds made 30; Accepted 30; Rejected none; Omitted none

Lineal inches of welds made 355; Accepted 355; Re-welded none

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8" No. of layers or beads 2 and 3 Symbol stamped near weld HTL

Exact location where welding was performed: Splice pier 39

Inspector John C. Liddy

Weather and Average Temperature: 85°

United Nations-4cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattery-3cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

120-5-77-32

cc: Dawson
Hopper
Van Name
Healy (Weigel)
McLeod

J

27 July 1949

Mr. Elliot A. Haller
The Haller Testing Laboratories
801 Second Avenue
New York 17, N.Y.

Dear Sir:

Attached is a piece of a door buck furnished by the Contractor in connection with the Secretariat Building. A portion of these have already arrived on the job and it is imperative that we know immediately as to whether the paint is applied in accordance with the following specification:

Finishing of Metal Bucks and Doors

" One coat of rust-inhibitive paint, applied by brush and baked on; then a coat of an approved mineral paste filler applied with a knife and baked on "

This letter will confirm my conversation with you this morning.

Very truly yours,

James A. Dawson
Co-Ordinator of Construction

Enclosure
JZ:ml

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations

Date 7/27/49

Project United Nations

N.B.
Alt.

Welding Permit

Report No. 49-5600

Description of Job: Splices and caps on H-Files

Welding Contractor: Walsh Constr. Co.

~~Inspector's Review~~ Field Welded

Welders: Name and Index No.

A. Tolman 385

James P. O'Mara 851

Ulysses G. Miles 597

Eugene M. Lynch 702

1 P.E.

Walter Megill 573

2 Hobarts

Machine: 1 Lincoln

Electrodes: Lincoln 5 and 7

1 Westinghouse

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,

and Workmanship? Yes

No. of individual welds made 65; Accepted 65; Rejected none; Omitted none

* Lineal inches of welds made 972; Accepted 972; Re-welded none

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8" No. of layers or beads 3 Symbol stamped near weld

Exact location where welding was performed: Piers 36W and 44 - T32 & 33.
Prep. Work in Field on splices.

Inspector: Thomas R. Berg.

Weather and Average Temperature: Clear - 92°

* Plus 6 caps
30 - 7/8" Holes 3/8 W.

United Nations-4cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 26, 1949
Project United Nations N.B.
Welding Permit Not Required Report No. 49-5451
Alt.

Description of Job: Welding of pile splices

Welding Contractor: Walsh Const. Co. ~~Shop~~ Welded or Riveted: Field Welding

Welders: Name and Index No. Eugene M. Lynch 702 Walter J. McGill 573
Ulysses G. Miles 597 James P. O'Mara #851 Arthur Tolman #385

Machine: 2-Hobart
1-Lincoln
1-P&H) 300 amp. Electrodes: 5/32" and 3/16" Lincoln #5
1-Westinghouse)

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

No. of individual welds made 120; Accepted, 120; Rejected, none; Omitted none

Lineal inches of welds made 1307 1/2; Accepted, 1307 1/2; Re-welded, none

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: Piles are not being driven until splice welds have been given time to cool.

Size of weld 3/8" No. of layers or beads 2 and 3 Symbol stamped near weld HTL

Exact location where welding was performed: at pier 37X - 2 14" H Piles
at pier 44X - 1 14" H Pile also
Inspector: John C. Liddy 1 12" H pile #10-4

Weather and Average Temperature: 88°

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date 7/25/49
Project United Nations N.E.
Alt.
Welding Permit Report No. 49-5450

Description of Job: Splices and Caps on H-Piles

Welding Contractor: Walsh Constr. Co. ~~Shop Welded or Brazed~~ Field Welded

Welders: Name and Index No. Ulysses G. Miles 597 Eugene M. Lynch 702
James P. O'Mara 851 Robert Murphy 827
Walter McGill 573

Machine: 1 P.H.)
2 Hobarts)
1 Westinghouse) 300 amp Electrodes: Lincoln 5 and 7
1 Lincoln)

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

* No. of individual welds made 72; Accepted 72; Rejected none; Omitted none
Lineal inches of welds made F 384; Accepted F 384; Re-welded none
V 574; Accepted V 574

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8" No. of layers or beads 3 Symbol stamped near weld HTL

Exact location where welding was performed: Piers 37-38-44 & T-18 caps.

Inspector: Thomas R. Berg

* Caps
25 - 7/8" Holes - 3/8" Weld

Weather and Average Temperature: Cloudy - 85°

United Nations-4cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc

Form W-1

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations**

Date **7/25/49**

Project **United Nations**

Report No. **49-5445**

Producer **Colonial Sand and Stone Company-62nd St., N.Y.**

Contractor **Brennen-Sloan & Knickerbocker**

Secretariat Bldg Floor 11 - Arches

Section Poured **Cantilever-Fireproofing P to S 8 to 4** Strength Requirements: at 7 days **1750** & at 28 days **1000**

Nominal Mix 1: : Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: **500** Lb. Cement, **400** Lb. Fine Agg., **3130** Lb. Coarse Agg., **45.0** Gals. Water (Max.)

Brand Unknown

Cement Brand **Type I** F. A. Source **North Shore** C. A. Source **North Shore**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit | 4 | 8 | 16 | 30 | 50 | 100 | |
|-----------------|-------------|-------------|-------------|-------------|-------------|------------|--------------|
| Mix 3/8" | xx | xx | xx | xx | xx | xx | F.M. |
| Coarse Agg. | 99.4 | 71.4 | 44.4 | 38.6 | 29.0 | 8.4 | 1.0 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 92.4 | 81.8 | 71.2 | 52.4 | 17.4 | 2.8 | 2.820 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|-------------|------------------|------------------------------|-------------------|---------------------|---------------------------|
| 7:00 | F. A. 4.5 | 2.3 | 419 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |
| 8:45 | F. A. - | - | - | | |
| | C. A. 3.0 | 10.4 | 3227 | | |
| 1:30 | F. A. - | - | - | | |
| | C. A. 3.0 | 10.4 | 3227 | | |

Method of Batching

Weather **Cloudy-shower**

Average Temp. **A.M. 72**

P.M. 89

Slump Ordered

Time Arrived Plant **6:30 am**

1/2 Hr. Lunch

Time Left Plant **4:00 pm**

Total Hours **9**

No. Cu. Yds. **225**

Inspector **Tutera**

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Edwards and York-1cc ok

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations** Date **7/22/49**

Project **United Nations** Report No. **49-5444**

Producer **Colonial Sand and Stone Company-62nd St., N.Y.**

Contractor **Brennen-Sloan & Knickerbocker**

Section Poured **Secretariat Bldg. 11th Floor Arches** ~~XXXXXX~~

Section Poured **Cantilever Fireproofing 15 to 8 P to S** Strength Requirements: at 28 days **1000**

Nominal Mix 1: Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: **500** Lb. Cement, **400** Lb. Fine Agg., **2730** **Grit Mix** Lb. Coarse Agg., Gals. Water (Max.)

Cement Brand **Brand Unknown** F. A. Source **North Shore** C. A. Source **North Shore**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit Mix | | 4 | 8 | 16 | 30 | 50 | 100 | |
|-------------|------------|------------------------------|-------------------|---------------------|---------------------------|----------------------------|----------------|-------|
| Sieve | 3/8 | xx | xxx | xx | xx | xx | xxx | F.M. |
| Coarse Agg. | 99.6 | 68.6 | 45.6 | 28.8 | 20.6 | 11.4 | 2.2 | 4.232 |
| Sieve | | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | | 95.2 | 85.6 | 73.0 | 50.6 | 11.6 | 2.0 | 2.820 |
| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching | | |
| 7:00 | F. A. 4.5 | 2.3 | 419 | | | Weather Fair | | |
| | C. A. 3.0 | 10.0 | 2814 | | | Average Temp. A. M. P. M. | | |
| 10:00 | F. A. 4.5 | 2.3 | 419 | | | Slump Ordered | | |
| | C. A. 3.0 | 10.0 | 2814 | | | Time Arrived Plant—6:30 am | | |
| 2:00 | F. A. 4.5 | 2.3 | 419 | | | 1/2 Hr. Lunch | | |
| | C. A. 3.0 | 10.0 | 2814 | | | Time Left Plant—4:00 pm | | |
| | | | | | | Total Hours 9 | | |
| | | | | | | No. Cu. Yds. 259 | | |
| | | | | | | Inspector Tutera | | |

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Edwards and York-1cc ok

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date 7/22/49
Project United Nations N.B.
Alt.
Welding Permit Report No. 49-5449

Description of Job: Splices and Caps on H-Files

Welding Contractor: Walsh Constr. Co. ~~Shop Welded~~ Field Welded

Welders: Name and Index No. Philip Schneider - 543 James P. O'Mara - 851
Ulysses G. Miles - 597 Walter McGill - 573
Eugene M. Lynch - 702

Machine: 1 P.H.
2 Hobarts
1 Westinghouse Electrodes: Lincoln #5 and 7
1 Lincoln

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

* No. of individual welds made 68; Accepted, 68; Rejected, none; Omitted none

Lineal inches of welds made 662; Accepted, 662; Re-welded, none

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8, No. of layers or beads 3, Symbol stamped near weld HTL

Exact location where welding was performed: Piers 36-40-T. 17-T 18 = Caps.
Prep. Work in Field

Inspector: Thomas R. Berg

Weather and Average Temperature: Clear 85°

Plus 19 caps =
95 - 7/8" Holes - 3/8" Deep.

United Nations-4cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

[Handwritten signature]

THE HALLER TESTING LABORATORIES, INC.

801 SECOND AVENUE, NEW YORK 17, N. Y.

TEL. MURRAY HILL 4-5358

THE TUTTLE-HALLER COMPANIES
THE HALLER ENGINEERING ASSOCIATES, INC.
THE HALLER TESTING LABORATORIES, INC.

TESTING



INSPECTION

CONSULTATION

[Handwritten signature]

ARTHUR S. TUTTLE, CHAIRMAN
ROGER L. HALLER, PRESIDENT
ELLIOT A. HALLER, V. PRES. & TREAS.

July 22nd, 1949

United Nations
405 East 42nd Street
New York City

Attention of Mr. Joseph Zunser

Dear Mr. Zunser:

In accordance with your request, we are sending the letter received from the Department of Housing and Buildings of the City of New York, verifying that Mr. Thomas R. Berg has been approved as a qualified welding inspector.

Very truly yours,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

Elliot A. Haller
Vice President

EAH:reb
Enc.-1





CITY OF NEW YORK
DEPARTMENT OF
HOUSING AND BUILDINGS

MANHATTAN
MUNICIPAL BUILDING
NEW YORK 7, N. Y.

BRONX
1952 ARTHUR AVENUE
BRONX 57, N. Y.

BROOKLYN
MUNICIPAL BUILDING
BROOKLYN 2, N. Y.

QUEENS
120-53 QUEENS BLVD.
KEW GARDENS 15, L. I.

RICHMOND
BOROUGH HALL
ST. GEORGE 1, S. I.

July 19, 1949

Haller Testing Laboratories, Inc.
801 Second Avenue
New York 17, N. Y.

Attention of Mr. Elliot Haller

Re: Thomas R. Berg

Gentlemen:

In compliance with your telephone request this day, please be advised that Thomas R. Berg was approved as a welding inspector by this Department on March 27, 1949.

Very truly yours,

Alfred Rader
Civil Engineer
In Charge of Welding Section

AR/dv

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 21, 1949
Project United Nations N.P.
Welding Permit Report No. 49-5448 Alt.

Description of Job: Welding of 14" H Pile splices

Welding Contractor: Walsh Cont. Co. ~~Shop~~ Welded or Riveted: Field Welding

Welders: Name and Index No. Ulysses G. Miles 597 Eugene M. Lynch 702
James P. O'Mara 851 Walter McGill 573
Machine: 1 Westinghouse)
1 Lincoln) 300 Amp. Electrodes: 5/32" & 3/16" #5 and #7 Lincoln
1 P & H)
1 Hobart)

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

No. of individual welds made 60; Accepted 60; Rejected none; Omitted none

Lineal inches of welds made 710; Accepted 710; Re-welded none

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8" No. of layers or beads 2 and 3 Symbol stamped near weld HTL

Exact location where welding was performed: Piers X38 and X39 - Pile splice welds.

Inspector: John C. Liddy

Weather and Average Temperature: 90°

United Nations-4cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|--------------------|
| Client | United Nations | Date | 7/21/49 |
| Project | United Nations | Report No. | 49-5441 |
| Producer | Transit-Mix Concrete Corporation-21st St., N.Y. | | |
| Contractor | Edison Concrete Corporation | | |
| Section Poured | Pump Room Floor Slab, Roof slab of tunnel wall between V and X line 2 to 3. | Strength Requirements: | at 28 days 3000 |
| Nominal Mix 1: | : | Maximum Water-Cement Ratio | 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 545 Lb. Cement, 1150 Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.6 Gals. Water (Max.) | | |
| Cement Brand | Atlas Type I | F. A. Source | McCormack |
| | | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 92.0 | 69.0 | 27.4 | 4.0 | 6.986 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.0 | 89.5 | 76.8 | 49.1 | 13.3 | 2.0 | 2.713 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|-----------------------------|
| 7:30 | F. A. 4.0 | 5.8 | 1198 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Cloudy |
| 11:00 | F. A. 4.0 | 5.8 | 1198 | | | Average Temp. A.M. 86 |
| | C. A. 0.5 | 1.2 | 2010 | | | P.M. 90 |
| 2:00 | F. A. 4.0 | 5.8 | 1198 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant— 7:30 am |
| | | | | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant— 4:30 pm |
| | | | | | | Total Hours 8-1/2 |
| | | | | | | No. Cu. Yds. 95 |
| | | | | | | Inspector Deisroth |

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

Respectfully Submitted

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations**

Date **7/21/49**

Project **United Nations**

Report No. **49-5442**

Producer **Colonial Sand and Stone Company-62nd Street, N.Y.**

Contractor **Brennen-Sloan & Knickerbocker**

S. retariat Bldg Arches Cantilever Fireproofing

~~at 7 days~~

Section Poured **10th Floor 8 to 4 P to S**

Strength Requirements: at 28 days **1000**

Nominal Mix 1: Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: **500** Lb. Cement, **400** Lb. Fine Agg., **2730** Lb. Coarse Agg., Gals. Water (Max.)

Blank Unknown

Cement Brand **Type I** F. A. Source **North Shore** C. A. Source **North Shore**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit Mix | 3/8 | 4 | 8 | 16 | 30 | 50 | 100 | |
|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|-------|
| ave | | 22 | 22 | 22 | 22 | 22 | 22 | F.M. |
| Coarse Agg. | 100.0 | 65.0 | 40.0 | 33.6 | 25.4 | 11.0 | 2.6 | 4.224 |
| Sieve | | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | | 95.6 | 83.6 | 70.8 | 50.4 | 16.2 | 2.4 | 2.820 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|
| 7:00 | F. A. 5.0 | 2.4 | 421 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |
| 8:00 | F. A. 4.5 | 2.3 | 419 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |
| 12:30 | F. A. 4.5 | 2.3 | 419 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |

Method of Batching

Weather **Cloudy Fair**

Average Temp. A. M.
P. M.

Slump Ordered

Time Arrived Plant-6:30 am
1/2 Hr. Lunch
Time Left Plant-2:30 pm

Total Hours **7-1/2**

No. Cu. Yds. **199**

Inspector **Tutera**

United Nations-3cc
Edwards & York-1cc
Fuller-Turner-Walsh-Slattey-3cc
ok

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations** Date **7/20/49**

Project **United Nations** Report No. **49-5391**

Producer **Colonial Sand and Stone Company-62nd St., N.Y.**

Contractor **Brennan-Sloan & Knickerbocker**

Section Poured **Secretariat Bldg. 10th Floor Cantilever arches 15 to 9 P to S Fireproofing** Strength Requirements: at 28 days **1000**

Nominal Mix 1: Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: **500** Lb. Cement, **400** Lb. Fine Agg., **2730** Lb. Coarse Agg., **45.0** Gals. Water (Max.)

Cement Brand **Lone Star Type I** F. A. Source **North Shore** C. A. Source **North Shore**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit Mix | 4 | 8 | 16 | 30 | 50 | 100 | F.M. |
|-------------|------|------|------|-------|-------|-------|-------|
| Sieve | 3/8 | 1/2 | 3/4 | 1 1/4 | 2 1/4 | 4 1/4 | |
| Coarse Agg. | 98.8 | 65.6 | 37.8 | 32.8 | 24.4 | 9.2 | 4.294 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 94.6 | 83.8 | 71.6 | 50.0 | 13.8 | 2.4 | 2.838 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|------|------------|------------------------------|-------------------|---------------------|---------------------------|
| 7:00 | F. A. 5.0 | 2.4 | 421 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |
| 8:00 | F. A. 4.5 | 2.3 | 419 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |
| 1:00 | F. A. 4.5 | 2.3 | 419 | | |
| | C. A. 3.0 | 10.0 | 2814 | | |

Method of Batching

Weather **Fair**

Average Temp. A. M. **76**
P. M. **89**

Slump Ordered

Time Arrived Plant— **6:30 am**
1/2 Hr. Lunch

Time Left Plant— **4:00 pm**

Total Hours **9**

No. Cu. Yds. **261**

Inspector **Tutera**

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Edwards and York-1cc ok

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|--------------------|
| Client | United Nations | Date | 7/20/49 |
| Project | United Nations | Report No. | 49-5252 |
| Producer | Transit-Mix Concrete Corporation-21st St., N.Y. | | |
| Contractor | Slattery Contracting Company, Inc. | | |
| Section Poured | Pile Cap X-20 | Strength Requirements: | at 28 days 3500 |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | 5.71 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 592 | Lb. Cement, | 1130 |
| | | Lb. Fine Agg., | 2000 |
| | | Lb. Coarse Agg., | 36.0 |
| | | Gals. Water (Max.) | |
| Cement Brand | Atlas | F. A. Source | McCormack |
| | Type I | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 94.9 | 69.7 | 31.1 | 4.0 | 6.952 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.6 | 88.9 | 76.3 | 49.2 | 13.2 | 2.0 | 2.719 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|--------------------------|
| 10:00 | F. A. 5.0 | 7.2 | 1190 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| | F. A. | | | | | Average Temp. A. M. 85 |
| | C. A. | | | | | P. M. |
| | F. A. | | | | | Slump Ordered |
| | C. A. | | | | | Time Arrived Plant—10:00 |
| | F. A. | | | | | Time Left Plant—12:00 |
| | C. A. | | | | | Total Hours 2 |
| | | | | | | No. Cu. Yds. 25 |
| | | | | | | Inspector DeBaroth |

United Nations-3cc
 Moran, Proctor, Freeman & Mueser-1cc
 Fuller-Turner-Walsh-Slattery-3cc
 ck

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|---------------------------------|
| Client | United Nations | Date | 7/20/49 |
| Project | United Nations | Report No. | 49-5440 |
| Producer | Transit-Mix Concrete Corporation-21st St., N.Y. | | |
| Contractor | Slattery Contracting Company, Inc. | | |
| Section Poured | File Caps Q-23 X-32 | Strength Requirements: | 3000 at 28 days 3000 |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 545 | Lb. Cement, | 1150 |
| | | Lb. Fine Agg., | 2000 |
| | | Lb. Coarse Agg., | 38.5 |
| | | Gals. Water (Max.) | |
| Cement Brand | Atlas Type I | F. A. Source | McCormack |
| | | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 94.9 | 69.7 | 31.1 | 4.0 | 6.952 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.6 | 88.8 | 76.3 | 49.2 | 13.2 | 2.0 | 2.719 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|-----------------------------|
| 11:30 | F. A. 5.0 | 7.3 | 1211 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 1:30 | F. A. 5.0 | 7.3 | 1211 | | | Average Temp. A. M. 85 |
| | C. A. 0.5 | 1.2 | 2010 | | | P. M. 92 |
| 3:00 | F. A. 5.0 | 7.3 | 1211 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant—10:00 am |
| | | | | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant—5:30 pm |
| | | | | | | Total Hours 7 |
| | | | | | | No. Cu. Yds. 95 |
| | | | | | | Inspector Deisroth |

United Nations-3cc
Fuller-Turner-Walsh-Slattery-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client **United Nations**

Date **7/20/49**

Project **United Nations**

N.B.
Alt.

Welding Permit **Not Required**

Report No. **49-5044**

Description of Job: **Splices on H-Piles**

Welding Contractor: **Walsh Constr. Co.**

~~Site Welded~~ **Field Welded**

Welders: Name and Index No. **Ulysses G. Miles 597**
James P. O'Mara - 851

Eugene M. Lynch - 702
Walter McGill - 573

1 Lincoln
1 Hobart

Machine: **1 Westinghouse**
1 P.H.

Electrodes: **Lincoln #7 - 3/16"**

Has each welder marked each group with his Index Number? **Yes**

Has inspector kept a complete record of welding? **Yes**

Has every completed weld been inspected for Size? **Yes**, Length? **Yes**, Location? **Yes**, Quality? **Yes**

Workmanship? **Yes**

No. of individual welds made **70**; Accepted, **70**; Rejected, **none**; Omitted **none**

Lineal inches of welds made **684**; Accepted, **684**; Re-welded, **none**

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld **3/8"** No. of layers or beads **3** Symbol stamped near weld

Exact location where welding was performed **Piers 36-37-38-39-40-41**

Inspector: **Thomas R. Bell**

Field - Prep. work on splices.

Weather and Average Temperature: **Clear - 90°**

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compression Test of 6" x 6" x 6" Cube

Report No. 49-4986

Date 7/19/49

Form R-2

Section Poured: 6th Floor Secretariat Building. 5 to 4, Q to R.

| | |
|--------------------------------|---------|
| Identification: | 12-A |
| Date Cast: | 7/8/49 |
| Date Tested: | 7/15/49 |
| Age-Days: | 7 |
| Size(in.): | 6x6x6 |
| Area(sq.in.): | 36 |
| Total Load-lb.: | 34,500 |
| P.S.I.: | 958 |
| Required P.S.I. at 28 days: | 1000 |

| | |
|-----------------------|------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No. or Days: | 3 |
| Lab. Moist Room-Days: | 4 |

MIX DATA:

| | | <u>Dry Wt. per Cu. Yd</u> |
|------------------|-------------------------------|---------------------------|
| Cement, Brands: | Lenigh- | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 343 at 1:50 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compression Test of 6" x 6" x 6" Cube

Report No. 49-4985

Date 7/19/49

Form R-2

Section Poured: 6th Floor Secretariat Building. 6 to 5 Q to R.

Identification: 13-A
Date Cast: 7/8/49
Date Tested: 7/15/49
Age-Days: 7
Size (in.): 6x6x6
Area (sq. in.): 36
Total Load-lb.: 32,000
psi: 889
Required psi at
28 days: 1000

CURING
Field-Method: Wet Burlap
no. or days: 4
Lab. Moist Room-Days: 3

MIX DATA:

Cement, Brand: Lehigh, Type I
Admixture, Kind: 6 oz. Compound #1
C.A., Kind: per sack
Grit Mix-North Shore 3130

Dry Wt. per Cu. Yd.

500

Made by Representative of HTL. Truck 347 at 2:40 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc

ok

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compressive Test of 6" x 6" x 6" Cube

Report No. 49-4984

Date 7/19/49

Form R-2 Section Poured: 6th Floor Secretariat Building. Q to R, 14 to 12.

| | |
|-----------------------------|---------|
| Identification: | 11-A |
| Date Cast: | 7/7/49 |
| Date Tested: | 7/14/49 |
| Age-Days: | 7 |
| Size(in.): | 6x6x6 |
| Area(sq.in.): | 36 |
| Total Load-lb.: | 31,500 |
| psi: | 875 |
| Required psi at 28 days: | 1000 |

| | |
|-----------------------|------------|
| CURING | |
| Field-Method: | Wet Burlap |
| No. or Days: | 4 |
| Lab. Moist Room-Days: | 3 |

MIX DATA:

| | | <u>Dry Wt. per Cu. Yd.</u> |
|------------------|-------------------------------|----------------------------|
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 311 at 11:10 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctof, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compressive Test of 6" x 6" x 6" Cube

Report No. 49-4807

Date 7/19/49

Form R-2

Section Poured: 5th Floor Secretariat Building. 12 to 12, Q to R.

| | |
|-----------------------------|---------|
| Identification: | 9-A |
| Date Cast: | 7/5/49 |
| Date Tested: | 7/12/49 |
| Age-Days: | 7 |
| Size(in.): | 6x6x6 |
| Area(sq.in.): | 36 |
| Total Load(lb.): | 15,000 |
| p.s.i.: | 417 |
| Required psi at 28 days: | 1000 |

CURING

| | |
|-----------------------|------------|
| Field-Method | Wet Burlap |
| No. or days: | 3 |
| Lab. Moist Room-days: | 4 |

MIX DATA:

| | | |
|------------------|-------------------------------|---------------------|
| Cement, Brand : | Lehigh, Type I | Dry Wt. Per Cu. Yd. |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | 500 |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck #361 at 10:15 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc
ck

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client United Nations

Project United Nations

Subject Compression Test of 6" x 6" x 6" Cube

Report No. 49-4808

Date 7/19/49

Section Poured: 5th Floor Secretariat Building. Q to R, 9 to 8.

Identification: 10-A
Date Cast: 7/6/49
Date Tested: 7/13/49
Age-Days: 7
Size(in.): 6x6x6
Area(sq.in.): 36
Total Load-lb.: 15,000
p.s.i.: 417
Required p.s.i. at
28 days:

1000

CURING

Field-Method: Wet Burlap
No. or Days: 2
Lab. Moist Room-Days: 5

MIX DATA:

Cement, Brand: Lehigh, Type I
C.A., Kind: Grit Mix-North Shore

Dry Wt. per Cu. Yd.

500

3130

Made by Representative of HTL, Truck N48 at 11:00 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctof, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/19/49

Project United Nations

2nd Basement Floor Arches & Beams

Section Poured Line 8 to 11 and P to S.

Report No. 49-4812

Cross-Sectional Area—28.3 Sq. In.

Capping Material plaster-Cement

Condition of Specimens

Satisfactory

MIX DATA

| Identification | G 1C | G 1D | | | Proportions |
|-----------------------------------|--------------------------|---------|--|--|---|
| Date Cast | 6/10/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/8/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Initial Load—Pounds | 100,000 | 100,000 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 3533 | 3533 | | | <u>Grit Mix, North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 2 | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 3 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | 25 | | | Slump, Inches <u>7</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 343 at 11:45 a.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slattry-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49

Project United Nations

Section Poured 2nd Basement Floor Arches and Beams Report No. 49-4813

R to S & 8 to 9.

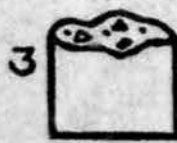
Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G 3B | G 3C | | | Proportions |
|-----------------------------------|--------------------------|--------|--|--|---|
| Date Cast | 6/13/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/11/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 104,000 | 90,500 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 3674 | 3198 | | | <u>Grit Mix, North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 4 4 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 24 | 24 | | | Slump, Inches <u>5-1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #337 at 8:40 a.m.

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

file

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49

Project United Nations

1st Basement Floor Arches

Section Poured 15 to 12 and P to S. Report No. 49-4903

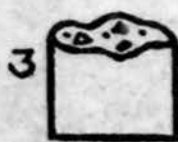
Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G 4B | G 4C | | | Proportions |
|-----------------------------------|--|---------------|--|--|---|
| Date Cast | 6/14/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/12/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | <u>28</u> | <u>28</u> | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>114,000</u> | <u>99,000</u> | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | <u>4027</u> | <u>3497</u> | | | <u>Grit Mix, North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at <u>28</u> Days | <u>1750</u> | <u>1750</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>1</u> | <u>1</u> | | | Water, Gal. per cu. yd. <u>45.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>3</u> <u>3</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>25</u> | <u>25</u> | | | Slump, Inches <u>4</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #347 at 9:50 a.m.

United Nations-3cc
Fuller-Turner-Walsh-Slattery-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49

Project United Nations

1st Basement Floor Beams & Columns

Section Poured 15 to 11 and P to S. Report No. 49-4902

Cross-Sectional Area 28.3 Sq. In. Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | G 5B | G 5C | | | Proportions |
|-----------------------------------|-------------------|---------|--|--|---|
| Date Cast | 6/14/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/12/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 99,000 | 103,500 | | | North Shore F.A., lb. per cu. yd. 400 |
| Compressive Strength psi | 3497 | 3656 | | | Grit Mix, North Shore C.A., lb. per cu. yd. 2600 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 45.0 |
| CURING Field—Method & No. Days | Wet Burlap 3 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | 25 | | | Slump, Inches 7 |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck #347 at 1:15 p.m.

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49

Project United Nations

Section Poured 6th Floor Arches & Cantilever Report No. 49-4905
14 to 12 on S Line

Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | <u>G 20A</u> | | | | Proportions |
| Date Cast | <u>7/7/49</u> | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | <u>7/14/49</u> | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>32,000</u> | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | <u>1131</u> | | | | <u>Grit Mix-North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | <u>1750</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>3</u> | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>4</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>3</u> | | | | Slump, Inches <u>5-1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 323 at 1:50 p.m.

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

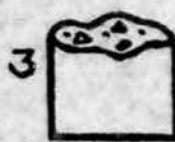
STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49
Project United Nations
Section Poured 6th Floor Secretariat Building
P Line 8 to 7. Report No. 49-4901
Cross-Sectional Area 28.3 Sq. In. Capping Material Plaster-Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | <u>G 21A</u> | | | | Proportions |
| Date Cast | <u>7/8/49</u> | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | <u>7/15/49</u> | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>57,000</u> | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | <u>2014</u> | | | | <u>Grit Mix, North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | <u>1750</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>1</u> | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>3</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>4</u> | | | | Slump, Inches <u>5</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 347 at 8:50 a.m.

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Sperry-3cc THE HALLER TESTING LABORATORIES, Inc.
ok Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49
Project United Nations
Section Poured Tie Beam Bat. X & V Line 1 Report No. 49-4904
Cross-Sectional Area -28.3 Sq. In. Capping Material Plaster-Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | <u>71-A</u> | | | | Proportions |
| Date Cast | <u>7/7/49</u> | | | | Cement, Brand <u>Lawrence Type I</u> |
| Date Tested | <u>7/14/49</u> | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | <u>72,000</u> | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | <u>2544</u> | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | | <u>3000</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>1</u> | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>4</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>3</u> | | | | Slump, Inches <u>4</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of H^TL. Truck 80 at 4:45 p.m.

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/19/49**

Project **United Nations**

5th Floor Secretariat Building

Section Poured **Cantilever and Arches P Line 4 to 5**

Report No. **49-4816**

Cross-Sectional Area **28.3 Sq. In.**

Capping Material **Plaster-Cement**

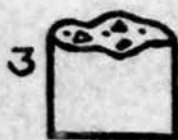
Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | G 19A | | | | Proportions |
| Date Cast | 7/6/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/13/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 41,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1449 | | | | Grit Mix-North Shore C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches 5 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 347 at 10:15 a.m.**

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

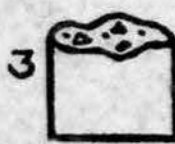
STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49
Project United Nations
Section Poured 5th Floor Secretariat Building
14 to 12 S Line-Cantilever & Arch. Report No. 49-4814
Cross-Sectional Area—28.3 Sq. In. Capping Material plaster-Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|--|
| Identification | G 18A | | | | Proportions |
| Date Cast | 7/5/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/12/49 | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 28,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 989 | | | | <u>Grit Mix-North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 3 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 4 | | | | Slump, Inches <u>5</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL, Truck 337 at 12:40 p.m.

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/19/49

Project United Nations

Section Poured West Basement Wall 8 to 9½

Report No. 49-4815

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|------------------------|------|--|--|---|
| Identification | 70-A | | | | Proportions |
| Date Cast | 7/6/49 | | | | Cement, Brand <u>Lawrence Type I</u> |
| Date Tested | 7/13/49 | | | | Cement, lb. per cu. yd. <u>545</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 86,500 | | | | <u>McCormack</u> F.A., lb. per cu. yd. <u>1150</u> |
| Compressive Strength psi | 3057 | | | | <u>3/4 Gravel, McCormack</u> C.A., lb. per cu. yd. <u>2000</u> |
| Required psi at <u>28</u> Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. <u>38.5</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches <u>3-1/2</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 80 at 1:30 p.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/19/49

Project United Nations

Section Poured 2nd Basement Floor

Column Encasement. 15 Line to 14 Line. Report No. 49-4809

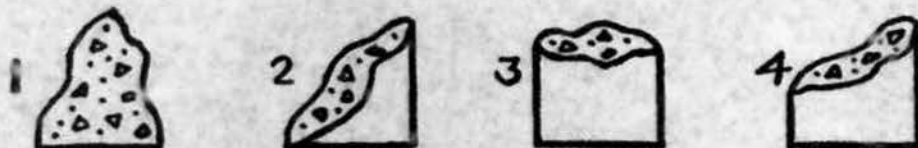
Cross-Sectional Area—28.3 Sq. In. Capping Material Plaster-Cement

Condition of Specimen Satisfactory

MIX DATA

| Identification | Grit C | Grit D | | | Proportions |
|-----------------------------------|-------------------|--------|--|--|---|
| Date Cast | 6/9/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/7/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 75,500 | 73,000 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>1555</u> |
| Compressive Strength psi | 2668 | 2579 | | | <u>Grit, North Shore</u> C.A., lb. per cu. yd. <u>1552</u> |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 24 | 24 | | | Slump, Inches <u>9</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 337 at 9:45 a.m.

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/19/49

Project United Nations

Section Poured 2nd Basement Floor Arches & Beams
Line 15 to Line 11 Bet. P to S.

Report No. 49-4810

Cross-Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens

Satisfactory

MIX DATA

| Identification | A 3C | A 3D | | | Proportions |
|-----------------------------------|--------------------------|---------|--|--|---|
| Date Cast | 6/9/49 | | | | Cement, Brand <u>Lehigh</u> <u>Type I</u> |
| Date Tested | 7/7/49 | | | | Cement, lb. per cu. yd. <u>533</u> |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 109,000 | 106,500 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>1310</u> |
| Compressive Strength psi | 3851 | 3762 | | | <u>3/4 Gravel, North Shore & Gallagher</u> C.A., lb. per cu. yd. <u>1870</u> |
| Required psi at <u>28</u> Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>38.0</u> |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> 4 4 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 24 | 24 | | | Slump, Inches <u>6-1/4</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 337 at 2:15 p.m.

United Nations-3cc

Fuller-Turner-Walsh-Slattry-3cc

Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/19/49**

Project **United Nations**

2nd Basement Floor Arches

Section Poured **Line 8 to 11 and P to S.**

Report No. **49-4811**

Cross-Sectional Area—28.3 Sq. In.

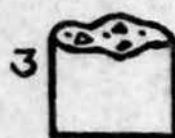
Capping Material **Plaster-Cement**

Condition of Specimen **Satisfactory**

MIX DATA

| Identification | G 2C | G 2D | | | Proportions |
|-----------------------------------|---------------------------------|--------|--|--|---|
| Date Cast | 6/10/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/8/49 | | | | Cement, lb. per cu. yd. 564 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 104,000 | 98,000 | | | North Shore F.A., lb. per cu. yd. 400 |
| Compressive Strength psi | 3674 | 3462 | | | Grit Mix, North Shore C.A., lb. per cu. yd. 2600 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 45.0 |
| CURING Field—Method & No. Days | Wet Burlap 5 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | 25 | | | Slump, Inches 4 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL, Truck N-74 at 2:45 p.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date 7/19/49
Project United Nations N.E.
Alt.
Welding Permit Report No. 49-5020

Description of Job: Welding of splices of 14", 12" and 8" H Piles.

Welding Contractor: Walsh Cont. Co. ~~3065~~ Welded or Riveted: Field Welded

Welders: Name and Index No. Eugene M. Lynch 702 Walter J. Megill 573
Ulysses G. Miles 597 James P. O'Mara 851

Machine: 1-Westinghouse
1-Hobart } 300 amp. Electrodes: 5/32" & 3/16" #7 Lincoln
1-Lincoln } 3/16" #5 Lincoln
1-F & H }

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,

and Workmanship? Yes

No. of individual welds made 150; Accepted 150; Rejected 4; Omitted None

Lineal inches of welds made 1060 1/2; Accepted 1060 1/2; Re-welded 2

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: Rejected welds were 1/2" craters at weld ends. The craters were cleaned and filled to bead specifications.

Size of weld 3/8" No. of layers or beads 2 and 3 Symbol stamped near weld HTL

Exact location where welding was performed Pier X41 (14"H) V.X.25-26-27 (8"H)
15-4 (12"H)

Inspector: John C. Liddy

Weather and Average Temperature: 86°

United Nations-4cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations**

Date **7/18/49**

Project **United Nations**

Report No. **49-5015**

Producer **Transit-Mix Concrete Corporation-21st St., N.Y.**

Contractor **Edison Concrete Corporation**

Section Poured **3rd basement floor slab 3½ to 5 P to S** Strength Requirements: at 28 days **3000**

Nominal Mix **1:1:2** Grit Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: **846** Lb. Cement, **945** Lb. Fine Agg., **1818** Lb. Coarse Agg., **44.2** Gals. Water (Max.)

Cement Brand **Atlas** F. A. Source **McCormack** C. A. Source **McCormack Grit**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | Grit | 2" | 1½" | 1" | ¾" | ⅜" | #4 | F.M. |
|-------------|------|-------------|-------------|-------------|-------------|-------------|------------|--------------|
| Coarse Agg. | | 50.3 | 3.8 | 1.0 | .5 | .2 | .1 | 5.441 |
| Sieve | | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | | 98.3 | 89.9 | 74.6 | 47.0 | 11.0 | 2.0 | 2.772 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|--------------|------------------|------------------------------|-------------------|---------------------|---------------------------|
| 10:00 | F. A. 5.0 | 6.0 | 995 | | |
| | C. A. 0.5 | | 1818 | | |
| 1:00 | F. A. 5.0 | 6.0 | 995 | | |
| | C. A. 0.5 | | 1818 | | |
| | F. A. | | | | |
| | C. A. | | | | |

Method of Batching **Transit**

Weather **Clear**

Average Temp. A. M. **85**
P. M. **92**

Slump Ordered

Time Arrived Plant—**7:30 am**

1/2 Hr. Lunch

Time Left Plant—**3:30 pm**

Total Hours **7-1/2**

No. Cu. Yds. **14**

Inspector **Deisroth**

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations**

Date **7/18/49**

Project **United Nations**

Report No. **49-5017**

Producer **Transit-Mix Concrete Corporation-21st Street, N.Y.**

Contractor **Slattery Contracting Company, Inc.**

Section Poured **File Cap X-23-15**

Strength Requirements: ~~at 28 days~~ **3000**

Nominal Mix 1:

Maximum Water-Cement Ratio **5.71**

Gals Per Sack

Dry Wts. Per Cu. Yd.: **592** Lb. Cement, **1130** Lb. Fine Agg., **2000** Lb. Coarse Agg., **36.0** Gals. Water (Max.)

Cement Brand **Atlas Type I**

F. A. Source **McCormack**

C. A. Source **McCormack Gravel**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|-------------|--------------|-------------|-------------|-------------|------------|--------------|
| Coarse Agg. | | 100.0 | 96.5 | 76.5 | 26.5 | 4.6 | 6.924 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.3 | 89.9 | 74.6 | 47.0 | 11.0 | 2.0 | 2.772 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|--------------|------------------|------------------------------|-------------------|---------------------|---------------------------|
| 10:00 | F. A. 5.0 | 7.3 | 1190 | | |
| | C. A. 0.5 | 1.2 | 2010 | | |
| 1:00 | F. A. 5.0 | 7.3 | 1190 | | |
| | C. A. 0.5 | 1.2 | 2010 | | |
| 3:00 | F. A. 5.0 | 7.3 | 1190 | | |
| | C. A. 0.5 | 1.2 | 2010 | | |

Method of Batching **Transit**

Weather **Clear**

Average Temp. **A. M. 85**
P. M. 92

Slump Ordered

Time Arrived Plant **10:30 am**
1/2 Hr. Lunch

Time Left Plant **5:00 pm**

Total Hours **6**

No. Cu. Yds. **135**

Inspector **Deisroth**

United Nations-3cc
Fuller-Turner-Walsh-Slattery-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

Additional Cement
Requested

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations** Date **7/18/49**

Project **United Nations** Report No. **49-5016**

Producer **Transit-Mix Concrete Corporation-21st St., N.Y.**

Contractor **Edison Concrete Corporation & Slattery Contracting Co., Inc.**

Section Poured **3rd basement floor slab 3 1/2 to 5 P to S** ~~XXXXXX~~

North portion of West Wall Ramp 7 Strength Requirements: at 28 days **3000**

Nominal Mix 1: : Maximum Water-Cement Ratio **6.64** Gals Per Sack

Dry Wts. Per Cu. Yd.: **545** Lb. Cement, **1150** Lb. Fine Agg., **2000** Lb. Coarse Agg., **38.5** Gals. Water (Max.)

Cement Brand **Atlas Type I** F. A. Source **McCormack** C. A. Source **McCormack Gravel**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|-------------|--------------|-------------|-------------|-------------|------------|--------------|
| Coarse Agg. | | 100.0 | 96.5 | 76.5 | 26.5 | 4.6 | 6.924 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.3 | 89.9 | 74.6 | 47.0 | 11.0 | 2.0 | 2.772 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|--------------|------------------|------------------------------|-------------------|---------------------|---------------------------|------------------------------------|
| 7:00 | F. A. 5.0 | 7.3 | 1211 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 10:00 | F. A. 5.0 | 7.3 | 1211 | | | Average Temp. A.M. 70 |
| | C. A. 0.5 | 1.2 | 2010 | | | P.M. |
| 1:00 | F. A. 5.0 | 7.3 | 1211 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant— 7:30 am |
| | | | | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant— 3:30 pm |
| | | | | | | Total Hours 7 1/2 |
| | | | | | | No. Cu. Yds. 175 |
| | | | | | | Inspector Deisroth |

United Nations-3cc
Fuller-Turner-Walsh-Slattery-4cc
Moran, Proctor, Freeman & Mueser-1cc
ck

5 Yds. Grout
Edison-130 yds.
Slattery-45
175 yds.

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

Haller

THE HALLER TESTING LABORATORIES, INC.

801 SECOND AVENUE, NEW YORK 17, N. Y.

TEL. MURRAY HILL 4-5358

THE TUTTLE-HALLER COMPANIES
THE HALLER ENGINEERING ASSOCIATES, INC.
THE HALLER TESTING LABORATORIES, INC.

TESTING



INSPECTION

CONSULTATION

ARTHUR S. TUTTLE, CHAIRMAN
ROGER L. HALLER, PRESIDENT
ELLIOT A. HALLER, V. PRES. & TREAS.

July 15, 1949

United Nations
405 East 42nd Street
New York, New York

Gentlemen:

Please substitute the enclosed Revised Report
No. 49-4514 dated 6/30/49 for that previously sent bearing the
same report number.

We hope this has not inconvenienced you.

Very truly yours,

THE HALLER TESTING LABORATORIES, INC.

Carol Kelly
Carol Kelly

/ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date 7/15/49
 Project United Nations N.E.
 Alt.
 Welding Permit: Report No. 49-5019

Description of Job: Splices on H-Piles

Welding Contractor: Walsh Contrs. Co. ~~Splice Welded~~ Field Welded

Welders: Name and Index No. Ulysses G. Miles - 597 Eugene M. Lynch - 702
James P. O'Mara - 851 Walter McGill - 573

1 P.H.
 1 Lincoln

1 Hobart
 1 Westinghouse

Electrodes: Lincoln #7 - 3/16"

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes

and Workmanship? Yes

No. of individual welds made 60; Accepted, 60; Rejected, none; Omitted none

Lineal inches of welds made F-360; Accepted, F-360

V-329; Accepted, V-329; Re-welded, none

Reasons for rejection and re-welding: method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8" No. of layers or beads 3 Symbol stamped near weld HTL

Exact location where welding was performed Piers - 39-40-41-42-Splices
Field-Prep. Work

Inspector: Thomas R. Berg

Weather and Average Temperature: Cloudy 80°

United Nations-4cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations** Date **7/15/49**

Project **United Nations** Report No. **49-5014**

Producer **Transit-Mix Concrete Corporation-21st St., N.Y.**

Contractor **Slattery Contracting Company & Edison Concrete Corporation**

Edison-Section Well Wall in pump room

Section Poured **Slattery-Pile cap X-18** Strength Requirements: at 28 days **3000**

Nominal Mix 1: Maximum Water-Cement Ratio **6.64** Gals Per Sack

Dry Wts. Per Cu. Yd.: **545** Lb. Cement, **1150** Lb. Fine Agg., **2000** Lb. Coarse Agg., **38.5** Gals. Water (Max.)

Cement Brand **Atlas Type I** F. A. Source **McCormack** C. A. Source **McCormack Gravel**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 95.2 | 70.2 | 31.0 | 3.2 | 6.956 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.3 | 89.0 | 75.1 | 47.1 | 11.3 | 2.0 | 2.772 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|-----------------------------|
| 7:00 | F. A. 5.0 | 7.3 | 1211 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 10:30 | F. A. 5.0 | 7.3 | 1211 | | | Average Temp. A. M. 67 |
| | C. A. 0.5 | 1.2 | 2010 | | | P. M. 80 |
| 2:00 | F. A. 5.0 | 7.3 | 1211 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant— 7:30 am |
| | | | | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant— 7:00 pm |
| | | | | | | Total Hours 11-1/2 |
| | | | | | | No. Cu. Yds. 245 |
| | | | | | | Inspector Deisroth |

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattery-4cc

Edison 175 yds.

Slattery 70 "

Total 245 yds.

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|------------------|
| Client | United Nations | Date | 7/15/49 |
| Project | United Nations | Report No. | 49-5013 |
| Producer | Colonial Sand and Stone Co., -63rd St., N.Y. | | |
| Contractor | Brennan Sloan & Knickerbocker | | |
| Section Poured | Secretariat Building 8th Floor Arches Cantilever Fireproofing 8 to 4 P to S Strength Requirements: at 28 days 1000 | | |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | Gals Per Sack |
| Dry Wts. Per Cu. Yd.: 500 | Lb. Cement, 400 | Lb. Fine Agg., 2730 | Lb. Coarse Agg., |
| Cement Brand | Type I | F. A. Source | North Shore |
| Admixture, Kind & Amount: | | C. A. Source | North Shore |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit Mix | 4 | 8 | 16 | 30 | 50 | 100 | |
|------------------|------|------|------|------|------|-----|-------|
| Sieve 3/8 | XX | XX | XX | XX | XX | XX | F.M. |
| Coarse Agg. 92.2 | 66.8 | 39.2 | 33.0 | 23.6 | 8.4 | 1.6 | 4,274 |
| Sieve #4 | 8 | 16 | 30 | 50 | 100 | | F.M. |
| Fine Agg. | 95.6 | 85.0 | 73.0 | 52.6 | 16.2 | 2.8 | 2,748 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|----------------------------|
| 7:00 | F. A. 5.0 | 2.4 | 421 | | | Transit |
| | C. A. 3.0 | 10.0 | 2814 | | | Weather Cloudy, shower |
| 10:00 | F. A. 5.0 | 2.4 | 421 | | | Average Temp. A.M. |
| | C. A. 3.0 | 10.0 | 2814 | | | Slump Ordered P.M. |
| 1:00 | F. A. 5.0 | 2.4 | 421 | | | Time Arrived Plant—6:30 am |
| | C. A. 3.0 | 10.0 | 2814 | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant—3:00 pm |
| | | | | | | Total Hours 8 |
| | | | | | | No. Cu. Yds. 201 |
| | | | | | | Inspector Tutera |

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman-Mueser-1cc
ok

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

S. H. A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|--|
| Client | United Nations | Date | 7/14/49 |
| Project | United Nations | Report No. | 49-5011 |
| Producer | Colonial Sand and Stone Co.-63rd St., N.Y. | | |
| Contractor | Brennan-Sloan & Knickerbocker | | |
| Section Poured | Secretariat Building 3th Floor 15 to 8 P to 8 | | Strength Requirements: at 28 days 1000 |
| Nominal Mix 1: | : | Maximum Water-Cement Ratio | Gals Per Sack |
| Dry Wts. Per Cu. Yd.: 500 | Lb. Cement, 400 | Lb. Fine Agg., 273.0 | Lb. Coarse Agg., 45.0 |
| Cement Brand | Lehigh Type I | F. A. Source | North Shore |
| | | C. A. Source | North Shore |

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit Mix | 3/8 | 4 | 8 | 16 | 30 | 50 | 100 | F.M. |
|-------------|------------|------------------------------|-------------------|---------------------|---------------------------|-----------------------------|-----|-------|
| Sieve | xx | xx | xx | xx | xx | xx | xx | |
| Coarse Agg. | 99.6 | 68.8 | 39.2 | 33.2 | 24.9 | 9.4 | 1.8 | 4.234 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | | F.M. |
| Fine Agg. | 95.4 | 85.2 | 73.2 | 53.0 | 17.4 | 3.0 | | 2.728 |
| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching | | |
| 7:00 | F. A. 5.0 | 2.4 | 421 | | | Weather Clear | | |
| | C. A. 3.0 | 10.0 | 2814 | | | Average Temp. A. M. 73 | | |
| | | | | | | P. M. 88 | | |
| 10:00 | F. A. 5.0 | 2.4 | 421 | | | Slump Ordered | | |
| | C. A. 3.0 | 10.0 | 2814 | | | Time Arrived Plant— 6:30 am | | |
| | | | | | | 1/2 Hr. Lunch | | |
| 1:30 | F. A. 5.0 | 2.4 | 421 | | | Time Left Plant— 4:00 pm | | |
| | C. A. 3.0 | 10.0 | 2814 | | | Total Hours 9 | | |
| | | | | | | No. Cu. Yds. 281 | | |
| | | | | | | Inspector Tutera | | |

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

ations _____ Date July 14, 1949
_____ N.B.
tions _____ ~~XXX~~
_____ Report No. 49-5018

lding of 14" H Pile Splice.

Walsh Const. Co. ~~Shop~~ Welded or Riveted: Field Welding

Index No. Eugene M. Lynch #702 Walter J. Megill #573
Ulysses G. Miles #597

ghouse) }
n } 300 Amp. Electrodes: 3/16 Lincoln #7 & #5

ed each group with his Index Number? Yes

complete record of welding? Yes

weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,

as

s made 30; Accepted, 30; Rejected, 30; Omitted none

made 355; Accepted, 355; Re-welded, none

and re-welding; method of correction of defective welds; and names and index numbers of welders
welds:

No. of layers or beads 2 & 3 Symbol stamped near weld HTL

welding was performed Splice pier 39

Liddy

Temperature: 85°

4cc
Freeman & Mueser-1cc
Walsh-Slaterry-3cc

THE HALLER TESTING LABORATORIES, Inc.
Ellet A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|--|----------------------------|--------------------|
| Client | United Nations | Date | 7/14/49 |
| Project | United Nations | Report No. | 49-5012 |
| Producer | Transit-Mix Concrete Corporation-21st Street, N.Y. | | |
| Contractor | Edison Concrete Corporation & Slaterry Contracting Company, Inc. | | |
| Section Poured | Edison-South portion west walls Ramp 7. Tunnel between 207 & 208 X and V 2 to 3. Slaterry-Pile Caps X- Strength Requirements: at 28 days 3000 26-28-29. | | |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd. | 545 Lb. Cement, 1150 Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.5 Gals. Water (Max.) | | |
| Cement Brand | Lawrence Type I | F. A. Source | McCormack |
| | | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 95.4 | 74.1 | 26.4 | 4.6 | 6.949 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 97.8 | 88.8 | 75.8 | 49.0 | 13.3 | 2.0 | 2.733 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|-----------------------------|
| 7:00 | F. A. 5.0 | 7.3 | 1211 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 10:30 | F. A. 5.0 | 7.3 | 1211 | | | Average Temp. A. M. 80 |
| | C. A. 0.5 | 1.2 | 2010 | | | P. M. 90 |
| 2:00 | F. A. 5.0 | 7.3 | 1211 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant- 7:30 am |
| | | | | | | 1/2 Hr. Lunch |
| | | | | | | Time Left Plant- 6:00 pm |
| | | | | | | Total Hours 10 |
| | | | | | | No. Cu. Yds. 125-1/2 |
| | | | | | | Inspector Deisroth |

United Nations-3cc
Fuller-Turner-Walsh-
Slaterry-4cc
Moran, Proctor, Freeman &
ck Form 221 Mueser-1cc

2 yards Grout.
Slaterry 20 yds.
Edison 105 1/2
125 1/2 yds.

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client United Nations Date 7/13/49

Project United Nations Report No. 49-4963

Producer Colonial Sand and Stone - 62nd Street, N.Y.C.

Contractor Brennan-Sloane and Knickerbocker

Section Poured Secretariat Bldg. 7th Floor Arches
Cantilever Fireproofing 9 to 4 P to S Strength Requirements: at 28 days 1000

Nominal Mix 1: : Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: 500 Lb. Cement 400 Lb. Fine Agg., 2730 Lb. Coarse Agg., Grit Mix Gals. Water (Max.)

Cement Brand Type Lehigh F. A. Source North Shore C. A. Source North Shore

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| | 4" | 8" | 16" | 30" | 50" | 100" | F.M. |
|-------------------|------|------|------|------|------|------|-------|
| Grit Mix 3/8" | XX | XX | XX | XX | XX | XX | |
| Coarse Agg. 100.0 | 69.0 | 38.4 | 32.6 | 24.4 | 10.4 | 2.4 | 4.228 |
| Sieve #4 | 8 | 16 | 30 | 50 | 100 | | F.M. |
| Fine Agg. | 95.0 | 83.6 | 70.4 | 49.8 | 16.8 | 3.0 | 2.814 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|----------------------------|
| 7:00 | F. A. 7.0 | 3.6 | 430 | | | Weather <u>Rain-Cloudy</u> |
| | C. A. 4.0 | 13.7 | 2844 | | | Average Temp. A.M. P.M. |
| 10:00 | F. A. 5.5 | 3.0 | 425 | | | Slump Ordered |
| | C. A. 4.0 | 13.7 | 2844 | | | Time Arrived Plant— 6:30am |
| 1:30 | F. A. 5.5 | 3.0 | 425 | | | hr. lunch |
| | C. A. 4.0 | 13.7 | 2844 | | | Time Left Plant— 3:00pm |
| | | | | | | Total Hours 8 |
| | | | | | | No. Cu. Yds. 208 |

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-3cc

Respectfully Submitted

Inspector A. Tutera

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|--|
| Client | United Nations | Date | 7/13/49 |
| Project | United Nations | Report No. | 49-4966 |
| Producer | Transit-Mix Concrete Corp.- 21st Street, N.Y.C. | | |
| Contractor | Slattery Contracting Company, Inc. | | |
| Section Poured | File Cap X-14 #6 Tie Beam between X and V | Strength Requirements: | at 28 days 3000 |
| Nominal Mix 1: | : | Maximum Water-Cement Ratio | 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 545 | Lb. Cement, 1150 | Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.5 Gals. Water (Max.) |
| Cement Brand | Lawrence Type I | F. A. Source | McCormack |
| | | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 92.0 | 70.6 | 24.1 | 3.1 | 7.022 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.1 | 89.2 | 75.9 | 51.3 | 14.5 | 1.9 | 2.691 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|--|------------|------------------------------|-------------------|---------------------|---------------------------|---|
| 10:30 | F. A. 5.0 | 7.3 | 1211 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Cloudy |
| 2:00 | F. A. 5.0 | 7.3 | 1211 | | | Average Temp. A.M. 75 P.M. 80 |
| | C. A. 0.5 | 1.2 | 2010 | | | Slump Ordered |
| | F. A. | | | | | Time Arrived Plant—10:30 1 1/2 hr. lunch |
| | C. A. | | | | | Time Left Plant—4:00pm |
| | F. A. | | | | | Total Hours 5 |
| | C. A. | | | | | No. Cu. Yds. 72 |
| United Nations-3cc Moran, Proctor, Freeman & Mueser-1cc Fuller, Turner, Walsh & Slattery-3cc | | | | | | Inspector G. Deisroth |

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations**

Date **7/13/49**

Project **United Nations**

Report No. **49-4990**

Producer **Transit-Mix Concrete Corporation-21st Street, N.Y.**

Contractor **Edison Concrete Corporation**

3rd Basement Floor Slab

Section Poured **2½ to 3½ P to S**

Strength Requirements: at 28 days **3000**

Nominal Mix 1: **2** : **Grit**

Maximum Water-Cement Ratio **6.64** Gals Per Sack

Dry Wts. Per Cu. Yd.: **846** Lb. Cement, **945** Lb. Fine Agg., **1818** Lb. Coarse Agg., **44.2** Gals. Water (Max.)

Cement Brand **Lawrence Type I**

F. A. Source **McCormack**

C. A. Source **McCormack Grit**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| | 2" | 1½" | 1" | ¾" | ⅜" | #4 | F.M. |
|-------------|-------------|-------------|-------------|-------------|-------------|------------|--------------|
| Coarse Agg. | 48.6 | 4.9 | 2.4 | 1.7 | 1.1 | 0.5 | 5.408 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.1 | 89.2 | 75.9 | 51.3 | 14.5 | 1.6 | 2.691 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|-------------|------------------|------------------------------|-------------------|---------------------|---------------------------|
| 9:30 | F. A. 5.0 | 6.0 | 995 | | |
| | C. A. 0.0 | 0.0 | 1818 | | |
| | F. A. | | | | |
| | C. A. | | | | |
| | F. A. | | | | |
| | C. A. | | | | |

Method of Batching **Transit**

Weather **Cloudy**

Average Temp. A. M. **75**
P. M. **80**

Slump Ordered

Time Arrived Plant—**8:00 am**

1/2 Hr. Lunch

Time Left Plant—**3:00 pm**

Total Hours **6½**

No. Cu. Yds. **10**

Inspector **Deisroth**

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc
ok

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations

Date July 13, 1949

Project United Nations

~~N.E.~~

~~XXX~~

Welding Permit Not Necessary

Report No. 49-4961

Description of Job: Welding of Splices on H Piles

Welding Contractor: Walsh Construction Co. ~~XXXX~~ Welded or Riveted: Field Welding

Welders: Name and Index No.
James P. O'Mara #851
Walter J. McGill #573
Eugene M. Lynch #702
Ulysses G. Miles #597

Machine: 1 Westinghouse
1 Lincoln
1 P & H 300 Amp Electrodes: Lincoln #5 and #7 - 3/16"

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes
and Workmanship? Yes

of individual welds made 90; Accepted 90; Rejected None; Omitted none

Lineal inches of welds made 956 1/2; Accepted 956 1/2; Re-welded None
(* Also 4 caps at pier 35A (20 plug welds)

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8" No. of layers or beads 2 & 3 Symbol stamped near weld HTL

Exact location where welding was performed: Pile 8-4 (12"H) for retaining wall north of bent
36 also 2-14" H piles at pier 36 X line.

Inspector: John C. Liddy

Weather and Average Temperature: 83°

United Nations-4cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-3cc

THE HALLER TESTING LABORATORIES, Inc.

Chas A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client **United Nations**

Date **7/13/49**

Project **United Nations**

Report No. **49-4965**

Producer **Transit-Mix Concrete Corporation-21st Street, N.Y.**

Contractor **Edison Concrete Corporation**

Section Poured **3rd basement floor slab**
2 1/2 to 3 1/2 P to S

Strength Requirements: at 28 days **3000**

Nominal Mix 1: Maximum Water-Cement Ratio **6.64** Gals Per Sack

Dry Wts. Per Cu. Yd.: **545** Lb. Cement, **1150** Lb. Fine Agg., **2000** Lb. Coarse Agg., **38.0** Gals. Water (Max.)

Cement Brand **Lawrence Type I** F. A. Source **McCormack** C. A. Source **McCormack**

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|--|------------------|------------------------------|-------------------|---------------------|---------------------------|--|--------------|
| Coarse Agg. | | 100.0 | 92.0 | 70.6 | 24.1 | 3.1 | 7.022 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.1 | 89.2 | 75.9 | 51.3 | 14.5 | 1.9 | 2.691 |
| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching Transit | |
| 7:30 | F. A. 5.0 | 7.3 | 1211 | | | Weather Cloudy | |
| | C. A. 0.5 | 1.2 | 2010 | | | Average Temp. A.M. 75 P.M. 80 | |
| | | | | | | Slump Ordered | |
| 10:30 | F. A. 5.0 | 7.3 | 1211 | | | Time Arrived Plant— 8:00 am | |
| | C. A. 0.5 | 1.2 | 2010 | | | 1/2 Hr. Lunch | |
| | | | | | | Time Left Plant— 3:00 pm | |
| 2:00 | F. A. 5.0 | 7.3 | 1211 | | | Total Hours 6-1/2 | |
| | C. A. 0.5 | 1.2 | 2010 | | | No. Cu. Yds. 50 | |
| United Nations-3cc Fuller-Turner-Walsh- Slattey-3cc Moran, Proctor, Freeman & Mueser-1cc ok | | | | | | Inspector Deisroth | |

Respectfully Submitted

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

Section Poured **W. Wall-Pump Room 12 to 11**

Report No. **49-4636**

Cross-Sectional Area—**28.3 Sq. in.**

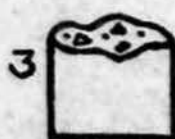
Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | 67-A | | | | Proportions |
| Date Cast | 6/24/49 | | | | Cement, Brand Type I Hercules |
| Date Tested | 7/1/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 79,000 | | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 2792 | | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 2 | | | | Slump, Inches 5 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 55 at 11:00 a.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

McMan, Proctor, Freeman & Mueser-1cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Wm. A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compression Tests of 6" x 6" x 6" Cubes**

Report No.

49-4620

Date

7/13/49

Form R-2

Section Poured: 3rd Floor Secretariat Building. 14 to 10, Q to R.

Identification: **4-A**
Date Cast: **6/28/49**
Date Tested: **7/5/49**
Age-Days: **7**
Size(in.): **6x6x6**
Area(sq.in.): **36**
Total Load-lb.: **28,000**
psi: **778**
Required psi at
28 days: **1000**

CURING:
Field-Method **Wet Burlap**
No. or Days: **3**
Lab. Moist Room-Days: **4**

MIX DATA:

| | | <u>Dry Wt. per Cu. Yd.</u> |
|------------------|-------------------------------|----------------------------|
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 347 at 2:00 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/13/49

Project United Nations

4th Floor Secretariat Bldg

Section Poured P to Q 15 to 12 - Cantilever & Arches

Report No. 49-4627

Sectional Area—3.3 Sq. In.

Capping Material Plaster-Cement

Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | <u>G 16-A</u> | | | | Proportions |
| Date Cast | <u>7/1/49</u> | | | | <u>High</u> Cement, Brand <u>Type I</u> |
| Date Tested | <u>7/8/49</u> | | | | Cement, lb. per cu. yd. <u>500</u> |
| Age of Specimen in Days | <u>7</u> | | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | <u>64,000</u> | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | <u>2261</u> | | | | <u>Grit Mix-North Shore</u> C.A., lb. per cu. yd. <u>3130</u> |
| Required psi at <u>28</u> Days | | <u>2500</u> | | | C.A., lb. per cu. yd. |
| Type Fracture | <u>2</u> | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | <u>Wet Burlap</u> <u>5</u> | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | <u>2</u> | | | | Slump, Inches <u>4-3/4</u> |

TYPICAL
FRACTURES



2



3



4



Remarks Made by Representative of HTL. Truck 337 at 10:00 a.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slattey-3cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

Section Poured **File Cap X7**

Report No. **49-4631**

Sectional Area—**28.3 Sq. in.**

Capping Material **plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | 69-A | | | | Proportions |
| Date Cast | 6/30/49 | | | | Cement, Brand Hercules Type I |
| Date Tested | 7/7/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. McCormack |
| Load—Pounds | 63,000 | | | | F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 2226 | | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 1 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 6 | | | | Slump, Inches 5 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 45 at 8:30 a.m.**

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

3rd Floor Secretariat Building

Section **Poured Arches and Cantilever-P and S Line.**

Report No. **49-4632**

Sectional Area—**28.3 Sq. in.**

Capping Material **Plaster-Cement**

Condition of Specimens

Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | G 15-A | | | | Proportions |
| Date Cast | 6/29/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/6/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 48,500 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 1713 | | | | Grit Mix-North Shore C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 3 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 5 | | | | Slump, Inches 4-1/2 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL, Truck 337 at 1:20 p.m.**

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Sk ttery-3cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/13/49
Project United Nations
Section Poured W. Basement Wall 12 to 14. Report No. 49-4619
Cylindrical Sectional Area—28" Sq. In. Capping Material Plaster-Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|---------|--|--|---|
| Identification | 62-B | 62-C | | | Proportions |
| Date Cast | 6/3/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/1/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 102,500 | 109,500 | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 3620 | 3868 | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | 3000 | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 3 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 25 | 25 | | | Slump, Inches 3-1/2 |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 55 at 10:30 a.m.

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattey-3cc
ck

THE HALLER TESTING LABORATORIES, Inc.
Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/13/49

Project United Nations

Section Poured 2nd Floor Basement Arches 3 Line to 5 Line Report No. 49-4624

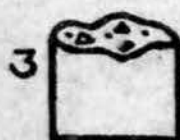
Cylindrical Sectional Area 28.3 Sq. In. Capping Material Plaster-Cement

Condition of Specimens Satisfactory

MIX DATA

| Identification | A 1-C | A 1-D | | | Proportions |
|--------------------------------|-------------------|---------|--|--|---|
| Date Cast | 6/6/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/5/49 | | | | Cement, lb. per cu. yd. <u>533</u> |
| Age of Specimen in Days | 29 | 29 | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 101,500 | 106,500 | | | <u>North Shore</u> F.A., lb. per cu. yd. <u>1310</u> |
| Compressive Strength psi | 3586 | 3762 | | | <u>3/4 Gravel, North Shore</u> C.A., lb. per cu. yd. <u>1870</u> |
| Required psi at <u>28</u> Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. <u>38.0</u> |
| CURING | <u>Wet Burlap</u> | | | | w/c Ratio, Gal. per sack |
| Field—Method & No. Days | 1 | 1 | | | Slump, Inches <u>4-3/4</u> |
| Laboratory—No. Days | 28 | 28 | | | |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 337 at 5:00 p.m.

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-lcc

ok

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

Section Poured **File Cap T-29**

Report No. **49-4628**

Cross-Sectional Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

Condition of Specimens

Satisfactory

MIX DATA

| Identification | 63-B | 63-C | | | Proportions |
|-----------------------------------|------------------------|---------|--|--|---|
| Date Cast | 6/8/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/6/49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 98,630 | 107,500 | | | North Shore F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 3484 | 3798 | | | 3/4 Gravel, North Shore & Gallagher C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | 3000 | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | 1 | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 23 | 23 | | | Slump, Inches 3 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL, Truck N-24 at 1:00 p.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slattey-3cc

Moran, Proctor, Freeman & Mueser-1cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

2nd Basement Floor Arches & Beams

Section Poured **5 to 6 and P to S**

Report No. **49-4635**

Sectional Area—28.3 Sq. In.

Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| Identification | A 2-C | A 2-D | | | Proportions |
|-----------------------------------|--------------------------|--------|--|--|---|
| Date Cast | 6/7/49 | | | | Cement, Brand Lehigh Type I |
| Date Tested | 7/5/49 | | | | Cement, lb. per cu. yd. 533 |
| Age of Specimen in Days | 28 | 28 | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 90,500 | 90,500 | | | North Shore F.A., lb. per cu. yd. 1310 |
| Compressive Strength psi | 3198 | 3198 | | | 3/4 Gravel, Gallagher C.A., lb. per cu. yd. 1870 |
| Required psi at 28 Days | 1750 | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | 1 | | | Water, Gal. per cu. yd. 38.0 |
| CURING Field—Method & No. Days | Wet Burlap 2 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 26 | 26 | | | Slump, Inches 8-1/4 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 337 at 2:20 p.m.**

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-2cc

ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations

Date 7/13/49

Project United Nations

Section Poured 2nd Basement Floor-Fireproofing Cols.

Report No. 49-4634

Sectional Area—28.3 Sq. In.

Capping Material Plaster-Cement

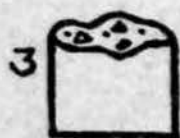
Condition of Specimens

Satisfactory

MIX DATA

| Identification | Grit C | Grit D | Proportions |
|--------------------------|-------------------|--------|---|
| Date Cast | 6/7/49 | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/5/49 | | Cement lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 28 | 28 | Admixture—type Amount per cu. yd. |
| Load—Pounds | 62,000 | 63,500 | <u>North Shore</u> F.A., lb. per cu. yd. <u>400</u> |
| Compressive Strength psi | 2190 | 2244 | <u>Grit, North Shore</u> C.A., lb. per cu. yd. <u>2600</u> |
| Required psi at 28 Days | 1750 | 1750 | C.A., lb. per cu. yd. |
| Type Fracture | 2 | 1 | Water, Gal. per cu. yd. |
| CURING | <u>Wet Burlap</u> | | w/c Ratio, Gal. per sack |
| Field—Method & No. Days | 2 | 2 | Slump, Inches <u>8</u> |
| Laboratory—No. Days | 26 | 26 | |

TYPICAL
FRACTURES



Remarks Made by Representative of HTL. Truck 347 at 11:30 a.m.

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller-Turner-Walsh-Slaterry-3cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

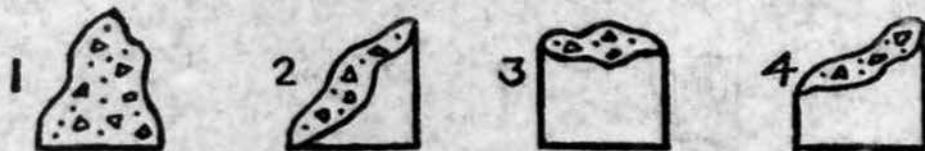
STANDARD CONCRETE CYLINDERS, 6" x 12"

Client United Nations Date 7/13/49
Project United Nations
4th Floor Secretariat Bldg.
Section Poured Cantilever & Arches S Line 15 to 14 Report No. 49-4625
Cylindrical Sectional Area—28.3 Sq. In. Capping Material Plaster-Cement
Condition of Specimens Satisfactory

MIX DATA

| | | | | | |
|-----------------------------------|-----------------|------|--|--|--|
| Identification | G 17-A | | | | Proportions |
| Date Cast | 7/1/49 | | | | Cement, Brand <u>Lehigh Type I</u> |
| Date Tested | 7/8/49 | | | | Cement, lb. per cu. yd. <u>564</u> |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 84,000 | | | | F.A., lb. per cu. yd. |
| Compressive Strength psi | 2968 | | | | <u>Grit Mix-North Shore</u> C.A., lb. per cu. yd. <u>3000</u> |
| Required psi at 28 Days | | 2500 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 5 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 2 | | | | Slump, Inches <u>5</u> |

TYPICAL
FRACTURES



Remarks Made by Representative of H. T. L. Truck 347 at 6:00 a.m.

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slattery-2cc
ok

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**
Project **United Nations**
Subject **Compression Tests of 6"x6"x6" Cubes**

Report No. **49-4626**

Date **7/13/49**

Form R-2

Section Poured: 4th Floor Secretariat Building Q to R and 4 to 5.

Identification: 8-A
Date Cast: 7/1/49
Date Tested: 7/8/49
Age-Days: 7
Size(in.): 6x6x6
Area(sq.in.): 36
Total Load-lb.: 37,000
psi: 1028
Required psi at 28 days: 1000

CURING:
Field-Method: Wet Burlap
No. or Days: 5
Lab. Moist Room-Days: 2

MIX DATA:

| | | Dry Wt. per Cu. Yd. |
|------------------|----------------------------|---------------------|
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 311 at 2:50 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, Inc.

Elliott A. Haller

United Nations-3dc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**
Project **United Nations**
Subject **Compression Tests of 6" x 6" x 6" Cubes**

Report No. **49-4621**

Date **7/13/49**

Form R-2

Section Poured: 3rd Floor Secretariat Building 15 to 14 & R to S.

| | |
|-----------------------------|---------|
| Identification: | 3-A |
| Date Cast: | 6/28/49 |
| Date Tested: | 7/5/49 |
| Age-Days: | 7 |
| Size(in.) | 6x6x6 |
| Area(sq.in.) | 36 |
| Total Load-lb.: | 24,000 |
| psi: | 667 |
| Required psi at 28 days: | 1000 |

CURING:
Field-Method: Wet Burlap
No. or Days: 3
Lab. Moist Room-Days: 4

MIX DATA

| | | <u>Dry Wt. per Cu. Yd.</u> |
|------------------|----------------------------|----------------------------|
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per sack | |
| C.A., Kind: | Grit Mix-North Shore | 3130 |
| Slump-Inches: | 10" | |

Made by Representative of HTL. Truck 347 at 10:05 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compressive Tests of 6" x 6" x 6" Cubes**

Report No. **49-4629**

Date **7/13/49**

Form R-2

Section Poured: **4th Floor Secretariat Building. Arches 15 to 14, Q to R.**

| | |
|--------------------------|---------|
| Identification: | 6-A |
| Date Cast: | 6/20/49 |
| Date Tested: | 7/7/49 |
| Age-Days: | 7 |
| Size(in.) | 6x6x6 |
| Area(sq.in.) | 36 |
| Total Load-lb.: | 31,000 |
| psi: | 861 |
| Required psi at 28 days: | 1000 |

CURING:

| | |
|-----------------------|------------|
| Field-Method | Wet Burlap |
| No. or Days | 6 |
| Lab. Moist Room-Days: | 1 |

MIX DATA:

| | | <u>Dry Wt. per Cu. Yd.</u> |
|------------------|-------------------------------|----------------------------|
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per Sack | |
| C.A. Kind: | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 337 at 1:15 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller-Turner-Walsh-Slaterry-3cc
ok

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compression Tests of 6"x6"x6" Cubes**

Report No. **49-4630**

Date **7/13/49**

Form R-2

Section Poured: **4th Floor Secretariat Building. Arches Q to R 14 to 12**

| | | |
|--------------------------|----------|------|
| Identification: | 7-A | |
| Date Cast: | 6/30/49 | |
| Date Tested: | 7/7/49 | |
| Age-Days: | 7 | |
| Size(In.) | 6"x6"x6" | |
| Area(sq.in.) | 36 | |
| Total Load-lb.: | 28,000 | |
| psi: | 778 | |
| Required psi at 28 days: | | 1000 |

CURING:

| | |
|----------------------|------------|
| Field-Method : | Wet Burlap |
| No.or Days: | 6 |
| Lab.Moist Room-Days: | 1 |

MIX DATA:

| | | Dry Wt.per Cu.Yd. |
|------------------|-----------------|-------------------|
| Cement, Brand: | Lehigh, Type I | 500 |
| Admixture, Kind: | 6 oz. Compound | |
| | #1 per Sack | |
| C.A., Kind: | Grit Mix, North | |
| | Shore | 3130 |

Made by Representative of HTL. Truck 311 at 2:50 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ek

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compression Tests of 6" x 6" x 6" Cubes**

Report No. **49-4633**

Date **7/13/49**

Form R-2

Section Poured: 3rd Floor Secretariat Building Cols. 4 to 5 and Q to R. Arches.

Identifications:

| | |
|--------------------------|---------------|
| Date Cast: | 5A 6/29/49 |
| Date Tested: | 7/6/49 |
| Age-Days: | 7 |
| Size (In.) | 6x6x6 |
| Area (sq.in.) | 36 |
| Total Load-lb.: | 36,000 |
| psi: | 1000 |
| Required psi at 28 days: | 1000 |

CURING:

| | |
|-----------------------|------------|
| Field-Method: | Wet Burlap |
| No. or Days: | 2 |
| Lab. Moist Room-Days: | 5 |

MIX DATA:

| | | |
|-----------------|---------------------------|----------------------------|
| Cement, Brand | Lehigh, Type I | <u>Dry Wt. per Cu. Yd.</u> |
| Admixture, Kind | 6 oz. of Compound #1/sack | 500 |
| C.A., Kind | Grit Mix-North Shore | 3130 |

Made by Representative of HTL. Truck 337 at 9:00 a.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ok

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**

Project **United Nations**

Subject **Compression Tests of 6" x 6" x 6" Cubes**

Report No. **49-4617**

Date **7/13/49**

Form R-2

Section Poured: 2nd Floor 14 to 11 Q & R, Arches and Beams.

| | | |
|--------------------------|---------|------|
| Identification: | 2-A | |
| Date Cast: | 6/24/49 | |
| Date Tested: | 7/1/49 | |
| Age-Days: | 7 | |
| Size (in.) | 6x6x6 | |
| Area (sq. in.) | 36 | |
| Total Load-lb.: | 23,000 | |
| psi: | 639 | |
| Required psi at 28 days: | | 1000 |

| | |
|-----------------------|------------|
| CURING: | |
| Field-Method | Wet Burlap |
| No. or Days: | 5 |
| Lab. Moist Room-Days: | 2 |

MIX DATA:

| | | <u>Dry Wt. per cu. yd.</u> |
|------------------|----------------------------|----------------------------|
| Cement, Brand: | Lehigh-Type I | 500 |
| Admixture, Kind: | 6 oz. Compound #1 per sack | |
| C.A., Kind: | Grit Mix | 3130 |
| Slump-inches: | 8" | |

Made by Representative of HTL. Truck 347 at 1:10 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slattey-3cc
Moran, Proctor, Freeman & Mueser-1cc
ek

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client **United Nations**
Project **United Nations**
Subject **Compression Tests of 6" x 6" x 6" Cubes**

Report No. **49-4618**

Date **7/13/49**

Form R-2

Section Poured: 2nd Floor Secretariat Building, 15 to 14-Q to R.

Identification: **1-A**
Date Cast: **6/23/49**
Date Tested: **7/1/49**
Age-Days: **8**
Size(in.): **6x6x6**
Area(sq.in.): **36**
Total Load-lb.: **25,000**
psi: **694**

Required psi at 28 days:

1000

CURING:

Field-Method: **Wet Burlap**
No. or Days: **6**
Lab. Moist Room-Days: **2**

MIX DATA:

Cement, Brand:
Admixture, Kind:
C.A., Kind:

Hercules
6 oz. Compound #1 per sack
Grit Mix, North Shore

Dry Wt. per cu. yd.

500

3130

Slump-inches:

9-1/2"

Made by Representative of HTL. Truck 347 at 3:00 p.m.

Respectfully submitted,

THE HALLER TESTING LABORATORIES, INC.

Elliot A. Haller

United Nations-3cc
Fuller-Turner-Walsh-Slaterry-3cc
Moran, Proctor, Freeman & Mueser-1cc
ck

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

2nd Floor Secretariat Bldg.

Section Poured **Arches & Cantilevers S & P Lines**

Report No. **49-4622**

Sectional Area—28.3 sq. in.

Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|--|
| Identification | G 14-A | | | | Proportions |
| Date Cast | 6/27/49 | | | | Cement, Brand |
| Date Tested | 7/5/49 | | | | Cement, lb. per cu. yd. 500 |
| Age of Specimen in Days | 8 | | | | Admixture—type Amount per cu. yd. |
| Total Load—Pounds | 48,000 | | | | North Shore F.A., lb. per cu. yd. |
| Compressive Strength psi | 1696 | | | | Grit Mix C.A., lb. per cu. yd. 3130 |
| Required psi at 28 Days | | 1750 | | | C.A., lb. per cu. yd. |
| Type Fracture | 2 | | | | Water, Gal. per cu. yd. |
| CURING Field—Method & No. Days | Wet Burlap 2 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 6 | | | | Slump, Inches 4 |

TYPICAL
FRACTURES



2



3



4



Remarks **Made by Representative of HTL. Truck 347 at 10:45 a.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slaterry-3cc

Moran, Proctor, Freeman & Mueser-1cc

ok

THE HALLER TESTING LABORATORIES, Inc.

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

file

COMPRESSION TEST REPORT

STANDARD CONCRETE CYLINDERS, 6" x 12"

Client **United Nations**

Date **7/13/49**

Project **United Nations**

Section Poured **Pile Cap X5**

Report No. **49-4623**

Sectional Area—**28.3 Sq. In.**

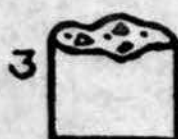
Capping Material **Plaster-Cement**

Condition of Specimens **Satisfactory**

MIX DATA

| | | | | | |
|-----------------------------------|-------------------------------|-------------|--|--|---|
| Identification | 68-A | | | | Proportions |
| Date Cast | 6/28/49 | | | | Cement, Brand |
| Date Tested | 7/5 /49 | | | | Cement, lb. per cu. yd. 545 |
| Age of Specimen in Days | 7 | | | | Admixture—type Amount per cu. yd. |
| Load—Pounds | 70,000 | | | | McCormack F.A., lb. per cu. yd. 1150 |
| Compressive Strength psi | 2473 | | | | 3/4 Gravel, McCormack C.A., lb. per cu. yd. 2000 |
| Required psi at 28 Days | | 3000 | | | C.A., lb. per cu. yd. |
| Type Fracture | 1 | | | | Water, Gal. per cu. yd. 38.5 |
| CURING Field—Method & No. Days | Wet Burlap 1 | | | | w/c Ratio, Gal. per sack |
| Laboratory—No. Days | 6 | | | | Slump, Inches 3-1/2 |

TYPICAL
FRACTURES



Remarks **Made by Representative of HTL. Truck 15 at 9:00 a.m.**

United Nations-3cc

Fuller-Turner-Walsh-Slattery-3cc

Moran, Proctor, Freeman & Mueser-1cc

ck

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|-----------------|
| Client | United Nations | Date | 7/12/49 |
| Project | United Nations | Report No. | 49-4964 |
| Producer | Colonial Sand and Stone - 62nd Street, N.Y. | | |
| Contractor | Brennan-Sloane and Knickerbocker | | |
| Section Poured | Secretariat Bldg. 7th Floor Arches and Fireproofing 15 to 9 P to S | | |
| | | Strength Requirements: | at 28 days 1000 |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 500 Lb. Cement, 400 Lb. Fine Agg., 2730 Lb. Coarse Agg., | 45.0 Gals. Water (Max.) | |
| Cement Brand | Lehigh Type I | F. A. Source | North Shore |
| | | C. A. Source | North Shore |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Grit Mix | 4 | 8 | 16 | 30 | 50 | 100 | |
|-------------|------|------|------|------|------|-----|-------|
| Sieve 3/8 | XX | XXX | X | X | X | XX | F.M. |
| Coarse Agg. | 99.4 | 68.6 | 36.6 | 30.8 | 22.6 | 8.2 | 1.4 |
| | | | | | | | 4.324 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 93.4 | 85.8 | 73.4 | 52.4 | 15.2 | 2.6 | 2.752 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|------|------------|------------------------------|-------------------|---------------------|---------------------------|---------------------------|
| 7:00 | F. A. 5.0 | 2.4 | 421 | | | Weather Fair-Cloudy |
| | C. A. 3.0 | 10.0 | 2814 | | | Average Temp. A.M. 72 |
| | | | | | | P.M. 78 |
| 8:00 | F. A. 4.5 | 2.3 | 419 | | | Slump Ordered |
| | C. A. 3.0 | 10.0 | 2814 | | | Time Arrived Plant—6:30am |
| | | | | | | 1/2 hr. lunch |
| 1:30 | F. A. 4.5 | 2.3 | 419 | | | Time Left Plant—4:00pm |
| | C. A. 3.0 | 10.0 | 2814 | | | Total Hours 9 |
| | | | | | | No. Cu. Yds. 273 |
| | | | | | | Inspector A. Tutera |

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-3cc

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 12, 1949
 Project United Nations N.B. HTL
 Welding Permit Report No. 49-4876

Description of Job: Splice on 14" H Piles

Welding Contractor: Walsh Construction Co. ~~Shop Welded or Re-welded~~ Field Welding

Welders: Name and Index No. James P. O'Mara #851
Walter J. McGill #573
Eugene M. Lynch #702 Ulysses G. Miles #597
Robert Murphy #827

Machine: 1 - Westinghouse
1 - Lincoln Electrodes: Lincoln #7 - 3/16"
300 1- F & H 1-Hobart

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
 and Workmanship? Yes

No. of individual welds made 90; Accepted 90; Rejected None; Omitted 2

* Linear inches of welds made 1065; Accepted 1065; Re-welded None

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: Omitted welds now completed.
previously

Size of weld 3/8" No. of layers or beads 2 & 3 Symbol stamped near weld HTL

Exact location where welding was performed X 39 pier 2 splices - X40 pier 1 splice

Inspector: John C. Liddy

Weather and Average Temperature: 83°

United Nations - 4cc
Moran, Proctor, Freeman & Mueser - 1cc
Fuller, Turner, Walsh & Slattery - 3cc

(*) In addition 4 caps at pier X20-7/8" holes to top of H piles.

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 12, 1949
Project United Nations ~~NFB.~~
~~ANX~~
Welding Permit Not Necessary Report No. 49-4962

Description of Job: Welding of splices on 14 H Piles

Welding Contractor: Walsh Construction Company Shop Welded or Riveted: Field Welding

Welders: Name and Index No. James P. O'Mara #851
Walter J. McGill #573
Eugene M. Lynch #702
Ulysses G. Miles #597

300

Amp 1 Westinghouse

Machine: 1 Lincoln

1 P & H 1 Hobart

Electrodes: Lincoln #7 - 3/16"

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes,
and Workmanship? Yes

No. of individual welds made 120; Accepted, 120; Rejected, 1; Omitted None

Lineal inches of welds made 1420; Accepted, 1420; Re-welded, 1

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: One weld was under-sized, one additional pass was added to bring bead size up to specification

Size of weld 3/8" No. of layers or beads 2 & 3 Symbol stamped near weld HTL

Exact location where welding was performed: 1 splice at pier 39 - 1 at pier 38
1 at pier 37 - 1 at pier 36

Inspector: John C. Liddy

Weather and Average Temperature: 80°

United Nations-3 4cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller, Turner, Walsh & Slattery-3cc

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|--|----------------------------|--------------------|
| Client | United Nations | Date | 7/12/49 |
| Project | United Nations | Report No. | 49-4865 |
| Producer | Transit-Mix Concrete Corporation | | |
| Contractor | Slattery Contracting and Edison Concrete | | |
| Section Poured | File Cap X-17 24-A 45. Tie Beam V to X to 7 3rd Floor Basement Slab 1-2 $\frac{1}{2}$ P to X Strength Requirements: at 28 days 3000 | | |
| Nominal Mix 1: | : | Maximum Water-Cement Ratio | 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 545 Lb. Cement, 1150 Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.5 Gals. Water (Max.) | | |
| Cement Brand | Lawrence Type I F. A. Source McCormack | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 $\frac{1}{2}$ " | 1" | $\frac{3}{4}$ " | $\frac{3}{8}$ " | #4 | F.M. |
|-------------|------|-------------------|------|-----------------|-----------------|-----|-------|
| Coarse Agg. | | 100.0 | 95.3 | 70.0 | 30.8 | 3.5 | 6.957 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.2 | 88.3 | 76.1 | 48.5 | 11.1 | 1.8 | 2.760 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch W'ts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|--------------------|---------------------|---------------------------|-----------------------------|
| 7:00 | F. A. 5.0 | 7.3 | 1211 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 10:00 | F. A. 5.0 | 7.3 | 1211 | | | Average Temp. A. M. 80 |
| | C. A. 0.5 | 1.2 | 2010 | | | P. M. |
| 1:00 | F. A. 5.0 | 7.3 | 1211 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant—7:30am |
| | | | | | | $\frac{1}{2}$ hr. lunch |
| | | | | | | Time Left Plant—3:30pm |
| | | | | | | Total Hours 7 $\frac{1}{2}$ |
| | | | | | | No. Cu. Yds. 105 |
| | | | | | | Inspector G. Deisroth |

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-4cc

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONTROLLED CONCRETE

FRESH CONCRETE SEPARATION TEST

(DUNAGAN METHOD)

Client United Nations

Date 7/11/49

Project United Nations

Report No. 49-4871

Section Poured File Cap X-24

Time 2:05pm

Cylinders Made. Nos. 72-A, B, C Slump: - 5-1/2"

Truck No. 55

| Sample Weighed In Air | Sample Weighed Immersed | F. & C. Agg. Weighed Immersed | Cement Wgt. Immersed | Sand Wgt. Immersed | C-Agg. Wgt. Immersed | H2O Wgt. In Sample | Re-Cap Proof Wgt. |
|---------------------------------------|-------------------------|-------------------------------|----------------------|--------------------|----------------------|--------------------|-------------------|
| 1 | 2 | 4 | 6 | 5 | 3 | 7 | 8 |
| 2008 | 1164 | 960 | 204 | 373 | 587 | | |
| — Adjustments — | | | 2 | 22 | 24 | | |
| (Cement + 2%) — (Sand Mtl's. P. #100) | | | 202 | 351 | 611 | | 1164 |
| (C-Agg.) + Material P. #4 | | | | | | | |
| (Sand) Diff. bet. above..... | | | 404 | 702 | 1222 | | |
| Factor Formula | Immersion to Air Weight | | | | | | |
| Sp. G | Factors..... | | | | | | |
| Sp. G.—1.0 | | | x 1.47 | x 1.60 | x 1.60 | | |
| ACTUAL PROPORTIONS | | | 594 | 1123 | 1955 | 344 | |
| | | | | | | 40.0 Gal. | 4016 |
| DESIGNED MIX PROPORTIONS | | | 545 | 1150 | 2000 | 321 | |
| | | | | | | 38.5 Gal. | 4016 |

Remarks _____

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-3cc

Inspector F. Papa and B. Grand

Respectfully submitted,

THE HALLER TESTING LABORATORIES, Inc.

Elliot A. Haller

hm

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client United Nations Date 7/11/49

Project United Nations Report No. 49-4864

Producer Transit-Mix Concrete - 21st Street, N.Y.

Contractor Slattery Contracting Company, Inc.

Section Poured Pile Cap 214 ~~AKK Bridge~~
Tie Beam 8 and 8A between X and V Line Strength Requirements: at 28 days 3000

Nominal Mix 1: : Maximum Water-Cement Ratio 6.64 Gals Per Sack

Dry Wts. Per Cu. Yd.: 545 Lb. Cement, 1150 Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.5 Gals. Water (Max.)

Cement Brand Lawrence Type I F. A. Source McCormack C. A. Source McCormack Gravel

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 94.4 | 69.4 | 29.8 | 4.0 | 6.968 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 98.2 | 87.8 | 75.4 | 49.0 | 12.4 | 2.0 | 2.752 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack |
|-------|------------|-----------------------------|-------------------|---------------------|---------------------------|
| 10:00 | F. A. 5.0 | 7.3 | 1211 | | |
| | C. A. 0.5 | 1.2 | 2010 | | |
| 12:00 | F. A. 5.0 | 7.3 | 1211 | | |
| | C. A. 0.5 | 1.2 | 2010 | | |
| 2:00 | F. A. 5.0 | 7.3 | 1211 | | |
| | C. A. 0.5 | 1.2 | 2010 | | |

Method of Batching Transit

Weather Clear

Average Temp. A. M80
P. M85

Slump Ordered

Time Arrived Plant 10:50am
1 hr. lunch

Time Left Plant 4:30pm

Total Hours 5 1/2

No. Cu. Yds. 40

Inspector Deisroth

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc

Fuller, Turner, Walsh & Slattery-3cc

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|----------------------------|
| Client | United Nations | Date | 7/8/49 |
| Project | United Nations | Report No. | 49-4738 |
| Producer | Transit-Mix Concrete Corporation-21st Street, N.Y.C. | | |
| Contractor | Slattery-Contracting Company, Inc. | | |
| Section Poured | Tri-Beams North and South of X-12 Pile Caps X-16-22 | Strength Requirements: | at 28 days 3000 |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 545 Lb. Cement, 1150 Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.5 Gals. Water (Max.) | | |
| Cement Brand | Lawrence Type I | F. A. Source | McCormack |
| | | C. A. Source | McCormack Gravel |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | 100.0 | 96.7 | 75.4 | 24.4 | 4.7 | 6.955 |
| Fine Agg. | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| | 98.6 | 88.2 | 75.3 | 49.3 | 13.5 | 1.9 | 2.732 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|--------------------------|
| 12:00 | F. A. 4.0 | 5.8 | 1198 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 2:00 | F. A. 4.0 | 5.8 | 1198 | | | Average Temp. A. M. 80 |
| | C. A. 0.5 | 1.2 | 2010 | | | Slump Ordered |
| | F. A. | | | | | Time Arrived Plant—12:30 |
| | C. A. | | | | | Time Left Plant—3:30 |
| | | | | | | Total Hours 3 |
| | | | | | | No. Cu. Yds. 16 |
| | | | | | | Inspector G. Deisroth |

United Nations-3cc
Moran, Proctor, Freeman & Mueser - 1cc
Fuller, Turner, Walsh & Slattery-3cc

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET

NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 8, 1949
 Project United Nations N.B.
 Alt.
 Welding Permit Report No. 49-4875

Description of Job: Splices on 14" H Piles

Welding Contractor Walsh Construction Co. ~~Shop Welding or Rework~~ Field Welding

Welders: Name and Index No. James P. O'Mara #851
Eugene M. Lynch #702
Walter McGill #573
Robert Murphy #827

300 1-Lincoln
1-P & H
 Machine: 1-Westinghouse

Electrodes: Lincoln #7-3/16/2

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes
 and Workmanship? Yes

No. of individual welds made 60; Accepted 60; Rejected None; Omitted None

* Linear inches of welds made 710; Accepted 710; Re-welded None

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds:

Size of weld 3/8 No. of layers or beads 2 & 3 Symbol stamped near weld HTL

Exact location where welding was performed Piers 37 and 38

Inspector: John C. Liddy

Weather and Average Temperature: (*) In addition 7/8" Holes on Caps to top of H Piles 11 at pier 20
(55 Welds 3/8")

United Nations-2cc
 Moran, Proctor, Freeman & Mueser-1cc
 Fuller, Turner, Walsh & Slattery-3cc

THE HALLER TESTING LABORATORIES, Inc.

Elmer A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street

New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | | |
|---------------------------|---|----------------------------|--|
| Client | United Nations | Date | 7/8/49 |
| Project | United Nations | Report No. | 49-4863 |
| Producer | Colonial Sand and Stone - 62nd Street, N.Y. | | |
| Contractor | Brennan-Sloane and Knickerbocker | | |
| Section Poured | Secretariat Bldg. - Arches and Fireproofing | | at 28 days |
| | 8 to 4 | P to S | Strength Requirements: at 28 days 1000 |
| Nominal Mix 1: | | Maximum Water-Cement Ratio | Gals Per Sack |
| | | Grit Mix | |
| Dry Wts. Per Cu. Yd.: | 500 Lb. Cement, 400 Lb. Fine Agg., 2730 Lb. Coarse Agg., 45.0 | Gals. Water (Max.) | |
| Cement Brand | Lehigh Type I | F. A. Source | North Shore |
| | | C. A. Source | North Shore |
| Admixture, Kind & Amount: | | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 4 | 8 | 16 | 30 | 50 | 100 | F.M. |
|-------------|-------|------|------|------|------|-----|-------|
| Grit Mix | XX | XX | XX | XX | XX | XX | |
| Coarse Agg. | 100.0 | 63.6 | 35.8 | 29.6 | 21.2 | 8.2 | 4.398 |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | 95.2 | 86.2 | 74.2 | 53.4 | 16.4 | 2.6 | 2.720 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|----------------------------|
| 7:00 | F. A. 5.0 | 2.4 | 421 | | | Weather Clear |
| | C. A. 3.0 | 10.0 | 2814 | | | Average Temp. A. M. |
| | | | | | | P. M. |
| | | | | | | Slump Ordered |
| 10:00 | F. A. 5.0 | 2.4 | 421 | | | Time Arrived Plant— 6:30am |
| | C. A. 3.0 | 10.0 | 2814 | | | hr. lunch |
| | | | | | | Time Left Plant— 3:30pm |
| 1:00 | F. A. 5.0 | 2.4 | 421 | | | Total Hours 8½ |
| | C. A. 3.0 | 10.0 | 2814 | | | No. Cu. Yds. 247 |
| | | | | | | Inspector A. Tutera |

United Nations-3cc

Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-3cc

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

| | | |
|---------------------------|---|--|
| Client | United Nations | Date 7/7/49 |
| Project | United Nations | Report No. 49-4737 |
| Producer | Transit-Mix Concrete - 21st Street, N.Y.C. | |
| Contractor | Slattery Contracting and Edison Concrete Corporation | |
| | Pier R-23 Tie Beams between X and V. Line 11 and 12. XXXXXX | |
| Section Poured | On the X line Tie Beams between 9 and 10 strength Requirements: at 28 days 3000 | |
| | 11 and 12 - 12 and 14 T-10 Manhole | |
| Nominal Mix 1: | : | Maximum Water-Cement Ratio 6.64 Gals Per Sack |
| Dry Wts. Per Cu. Yd.: | 545 Lb. Cement, 1150 Lb. Fine Agg., 2000 Lb. Coarse Agg., 38.5 Gals. Water (Max.) | |
| Cement Brand | Lawrence Type I | F. A. Source McCormack C. A. Source McCormack Gravel |
| Admixture, Kind & Amount: | | |

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|-------------|----|--------|----|------|------|-----|------|
| Coarse Agg. | | | | | | | |
| Sieve | #4 | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. | | | | | | | |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|-------|------------|------------------------------|-------------------|---------------------|---------------------------|------------------------------|
| 10:30 | F. A. 4.0 | 5.8 | 1198 | | | Transit |
| | C. A. 0.5 | 1.2 | 2010 | | | Weather Clear |
| 1:00 | F. A. 4.0 | 5.8 | 1198 | | | Average Temp. A. M. 75 |
| | C. A. 0.5 | 1.2 | 2010 | | | P. M. 80 |
| 3:00 | F. A. 4.0 | 5.8 | 1198 | | | Slump Ordered |
| | C. A. 0.5 | 1.2 | 2010 | | | Time Arrived Plant - 10:30am |
| | | | | | | 1 hr. lunch |
| | | | | | | Time Left Plant - 4:00pm |
| | | | | | | Total Hours 5 |
| | | | | | | No. Cu. Yds. 65 |
| | | | | | | Inspector Deisroth |

United Nations-3cc
Moran, Proctor, Freeman & Mueser-1cc
Fuller, Turner, Walsh & Slattery-4cc

Respectfully Submitted

THE HALLER TESTING LABORATORIES

INCORPORATED

801 SECOND AVENUE AT 43rd STREET
NEW YORK 17, N. Y.

TESTING



INSPECTION

CONSULTATION

WELDING INSPECTION

Client United Nations Date July 7, 1949
Project United Nations N.B.
Welding Permit Report No. 49-4874 Alt.

Description of Job: Splices on 14" H Piles

Welding Contractor: Walsh Construction Co. ~~Sharp Welded or Riveted~~ Field Welding

Welders: Name and Index No. James P. O'Mara #851
Eugene M. Lynch #702
Walter McGill #573
Robert Murphy #827

1- P & H

Machine: 1 Hobart
1-Lincoln

Electrodes: Lincoln #7 - 3/16"

300 Amp 1-Westinghouse

Has each welder marked each group with his Index Number? Yes

Has inspector kept a complete record of welding? Yes

Has every completed weld been inspected for Size? Yes, Length? Yes, Location? Yes, Quality? Yes

Workmanship? Yes

No. of individual welds made 60; Accepted 60; Rejected None; Omitted None

Lineal inches of welds made 710; Accepted 710; Re-welded None

Reasons for rejection and re-welding; method of correction of defective welds; and names and index numbers of welders making such defective welds: Weld sizes were increased by the amount of any separation between splice plates and H flanges.

Size of weld 3/8 No. of layers or beads 2 & 3 Symbol stamped near weld HTL

Exact location where welding was performed Piers 37 and 38

Inspector: John C. Liddy

Weather and Average Temperature: 85°

(*) In addition 7/8" holes on Caps to top of H Piles

5 at Pier 20 - 5 at pier 21

5 at Pier 22 (75 Welds)

United Nations-4cc

Moran, Proctor, Freeman

& Mueser - lcc

Fuller, Turner, Walsh & Slattery-3cc

THE HALLER TESTING LABORATORIES, Inc.

Elmer A. Haller

THE HALLER TESTING LABORATORIES

INCORPORATED

801 Second Avenue at 43rd Street
New York 17, N. Y.

TESTING



INSPECTION

CONSULTATION

CONCRETE INSPECTORS DAILY REPORT

Client United Nations Date 7/7/49

Project United Nations Report No. 49-4862

Producer Colonial Sand and Stone - 62nd Street, New York

Contractor Brennan-Sloane - Knickerbocker

Section Poured Secretariat Bldg. 6th Floor Arches - Beams - Fireproofing P to S 15 to 8 Strength Requirements: at 28 days 1000

Nominal Mix 1: : Maximum Water-Cement Ratio Gals Per Sack

Dry Wts. Per Cu. Yd.: 500 Lb. Cement, 3130 Lb. Fine Agg. Grit Mix Lb. Coarse Agg., Gals. Water (Max.)

Cement Brand Lehigh Type I F. A. Source North Shore C. A. Source North Shore

Admixture, Kind & Amount:

FIELD TESTS AND COMPUTATIONS FOR ACTUAL BATCH PROPORTIONS

PERCENT PASSING U. S. STANDARD SIEVES

| Sieve | 2" | 1 1/2" | 1" | 3/4" | 3/8" | #4 | F.M. |
|--|------|--------|------|------|------|-----|-------|
| Coarse Agg. | | | | | | | |
| Sieve <u>Grit</u> <u>3/8</u> <u>#4</u> | | 8 | 16 | 30 | 50 | 100 | F.M. |
| Fine Agg. <u>Mix</u> | 99.2 | 69.2 | 43.4 | 36.4 | 25.8 | 8.2 | 2.0 |
| | | | | | | | 4.146 |

| Time | Moisture % | Free Water Gals. Per Cu. Yd. | Actual Batch Wts. | Added Water (Gals.) | Actual W/C Gals. Per Sack | Method of Batching |
|--------------|------------------|------------------------------|-------------------|---------------------|---------------------------|----------------------------------|
| <u>7:00</u> | F. A. _____ | _____ | _____ | _____ | _____ | Weather <u>Fair</u> |
| | C. A. <u>4.0</u> | <u>15.6</u> | <u>3260</u> | _____ | _____ | Average Temp. <u>A.M.</u> |
| <u>10:00</u> | F. A. _____ | _____ | _____ | _____ | _____ | Slump Ordered _____ |
| | C. A. <u>4.0</u> | <u>15.6</u> | <u>3260</u> | _____ | _____ | Time Arrived Plant <u>6:30am</u> |
| <u>12:00</u> | F. A. _____ | _____ | _____ | _____ | _____ | <u>1 1/2</u> hr. lunch |
| | C. A. <u>4.0</u> | <u>15.6</u> | <u>3260</u> | _____ | _____ | Time Left Plant <u>4:30pm</u> |
| | | | | | | Total Hours <u>9 1/2</u> |
| | | | | | | No. Cu. Yds. <u>252</u> |

United Nations-3cc
Moran, Proctor, Freeman & Mueser-lcc
Fuller, Turner, Walsh & Slattery-3cc

Respectfully Submitted

Inspector Grand and Tutera