



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI and VII

I. IDENTIFICATION

1. Proposed Work-site at: BRICK PLAZA SHOPPING CENTER

2. Name of Owner in Fee: EASTMAN HOSPITALITY APC FOR SERVICE Tel. (201) 818-4707

Address 7 PEARL CT. AUGUSTA N.J. 07401

3. Ownership in Fee: Public Private X

4. Principal Contractor: APPC FOR SERVICE GORDON GROW Tel. (201) 818 4707

Address 7 PEARL CT ALLENDALE NJ 07401

License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____

Federal Emp. No. 22-3376793 OR Social Security No. _____

5. Architect or Engineer: EKHOF OCHENKOSKI + POK ARCH Tel. (606) 281-7538

Address 201 West Short St. Suite 700 - Lexington, Ky 40507

6. Responsible Person in Charge of Work: GORDON GROW Tel. (201) 818 4707

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ 5490 -		
2. Electrical			
3. Plumbing		50.00	
4. Fire Protection		573	
5. Elevator Devices			
6. Subtotal	\$ 5670 -	1075	
7. Less 20% for State Plan Review	\$ 567	108	
8. Subtotal			
9. DCA Training Fee	\$ 244 -	26	
10. Subtotal			
11. Cert. of Occupancy	\$ 30.00 -		
12. Other ZPA 411			
13. TOTAL	\$ 6531 -	1209 -	

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories		ONE
2. Height of Structure	18' +/-	ft.
3. Area - Largest Floor	5938	sq. ft.
4. New Building Area		sq. ft.
5. Volume of New Structure	102,000	cu. ft.
6. Construction Classification	2C	
7. Total Land Area Disturbed		sq. ft.
8. Flood Hazard Zone		
9. Base Flood Elevation		ft.
10. Wetlands	yes	sq. ft.
	no	
11. Max. Live Load		
12. Max. Occupancy Load		

II. PROPOSED WORK

- ☐ Minor work (single trade)
 - ☐ Small Job (\$5,000 and no prior approvals)
 - ☐ New Building
 - ☐ Addition
 - ☒ Alteration
 - ☐ Fire Protection
 - ☒ Plumbing
 - ☒ Electrical
 - ☐ Elevator Devices
 - ☐ Asbestos Abatement
 - ☐ Demolition
- TOTAL COSTS

Est. Cost
275,000
30,000
32,000
385,000

FIT-UP

OPTIONAL (for office use only)

Plans Rec'd By	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
<i>[Signature]</i>	8/28/95		9/19/95	<i>[Signature]</i>	10/11/95		<i>[Signature]</i>
			9-20-95	<i>[Signature]</i>	11/8/95		<i>[Signature]</i>
					11/10/95		<i>[Signature]</i>
<i>[Signature]</i>	9/8/95		9/8/95	<i>[Signature]</i>			<i>[Signature]</i>

III. DO YOU WANT: (optional) 1 ☐ Partial Releases 2 ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- ☐ Elevators/Escalators/Lifts/Dumbwaiters/Moving Walks
- ☐ High Pressure Boilers
- ☐ Pressure Vessels
- ☒ Refrigeration Systems
- ☒ Cross-Connections/Backflow Preventers
- ☒ Hazardous Uses/Places of Assembly
- ☐ Sprinklers
- ☐ Smoke Control Systems in Open Wells
- ☐ Underground Storage Tanks

VII. DESCRIPTION OF BUILDING USE

- A. RESIDENTIAL
- ☐ Hotels (R-1)
 - ☐ Multi-Family (R-2)
 - ☐ Two-Family (R-3) BOCA
 - ☐ Two-Family (R-4) CABO
 - ☐ One-Family (R-3) BOCA
 - ☐ One-Family (R-4) CABO

No. of dwelling units: _____
Before Construction _____
After Construction _____
Net gain or loss _____

B. NON-RESIDENTIAL

- 1. State Specific Use: RESTAURANT
- 2. Use Group: A3
- 3. Change in Use Group, Indicate Former: M

AND PRELIMINARY APPROVAL

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION

(to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:32-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name GORDON GROSS

Address 7 Pearl Ct Allendale NJ 07401

Telephone (201) 818 4707

Signature Gordon Gross Date 8/24/95

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☐ Zoning Officer									
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Fire Department									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Dept. of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Dept. of Environmental Protect.									
☐ Utility Dig No.									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition	Name of Code & Edition	Other
Building _____	Energy _____	
Electrical _____	Barrier Free _____	
Plumbing _____	Flood Hazard _____	
Fire Protection _____	As Built Elevation Cert. _____	
Mechanical _____	Other _____	

X. CERTIFICATES ISSUED (office use only)	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____



CERTIFICATE

Date Issued 11/17/95
Control #
Permit # 2311-95

IDENTIFICATION

Block 671 Lot 8
Work Site Location Brick Plaza Shopping Ctr/Applebees
Brick, N.J.
Owner in Fee Federal Realty
Address Bethesda Md.
Tele. ()
Contractor Apple Food Service
Address
Tele. ()
Lic. No. or Bldrs. Reg. No.
Federal Emp. No.
or Social Security No.

Home Warranty No. N/A
Use Group A-3 3 hours
Maximum Live Load
Description of Work/Use:

F1t-Up Restaurant

Type of Warranty Plan: [] State [] Private
Construction Classification
Maximum Occupancy Load

CERTIFICATE OF OCCUPANCY/APPROVAL

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building, structure, or equipment has been constructed or installed in accordance with the New Jersey Uniform Construction Code, and is approved for use and/or occupancy.

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY

If this is a Temporary Certificate of Occupancy the following conditions must be met no later than , 19 or the owner will be subject to a fine or order to vacate:

Fee \$
Paid [] Check No.
Collected by:

CONSTRUCTION OFFICIAL

Arthur J. Lees



CERTIFICATE

Date Issued 11/14/95
Control #
Permit # 2311-95

IDENTIFICATION

Block 671 Lot 8
Work Site Location Brick Plaza Shopping Ctr/Applebees
Brick, N.J.
Owner in Fee Federal Realty
Address Bethesda Md
Tele. ()
Contractor Apple Food Service
Address
Tele. ()
Lic. No. or Bldrs. Reg. No.
Federal Emp. No.
or Social Security No.

Home Warranty No. N/A
Use Group A-3 3 hours 195
Maximum Live Load
Description of Work/Use:

Fit-Up Restaurant

Type of Warranty Plan: [] State [] Private
Construction Classification
Maximum Occupancy Load

CERTIFICATE OF OCCUPANCY/APPROVAL

☐ CERTIFICATE OF OCCUPANCY "Temporary" ☒ CERTIFICATE OF APPROVAL *Electric - 30 day

This serves notice that said building, structure, or equipment has been constructed or installed *Building - 30 day
in accordance with the New Jersey Uniform Construction Code, and is approved for use and/or fill, 12/28/95
occupancy. OK per Paul
11-17-95
XXX XXXX XXXX
Redy

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there
are no imminent hazards and the building is approved for continued occupancy.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY

If this is a Temporary Certificate of Occupancy the following conditions must be met no later
than , 19 or the owner will be subject to a fine or order to
vacate:

Fee \$
Paid [] Check No.
Collected by:

CONSTRUCTION OFFICIAL

Anthony G. Lewis



CONSTRUCTION PERMIT

Date Issued 9-12-95
Control # _____
Permit # 2311-95

IDENTIFICATION Block 671 Lot 8

Work Site Location BRICE PLAZA Contractor _____
Chambers Construction Co. Address _____
Owner in Fee Chambers Construction Co. _____
Address 7000 1st St _____
Montclair, NJ 07041 _____
Tele. () _____
Lic. No. or Bldrs. Reg. No. _____ Exp. Date XXXXXX
Federal Emp. No. _____
or Social Security No. _____

is hereby granted permission to perform the following work:

☒ BUILDING ☐ PLUMBING ☐ OTHER
☐ ELECTRICAL ☐ FIRE PROTECTION
☐ ELEVATOR DEVICES

DESCRIPTION OF WORK:

Building only. Dryplugs Fit-Up

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 505,000

U.C.C. Form F-170C

CONSTRUCTION OFFICIAL

1 WHITE - OFFICE 2 CANARY - TAX ASSESSOR 3 PINK - JACKET 4 GOLD - APPLICANT

PAYMENTS (Office Use Only)		071 R
Building	<u>5491</u>	101
Plumbing		B 0
Electrical		BUILDING
Fire Protection		SIGNS
Other	<u>180 PLAN RW</u>	
Other	<u>56 B7C.A.</u>	
DCA Training Fee	<u>244 G</u>	
Cert. of Occ.	<u>20 ZONEPLOT</u>	
Other	<u>15 ENG P2R 1</u>	
Total	<u>6531</u>	TOTAL 0
Check No.	<u># 00</u>	CHECK
Cash		CHANGE
Collected By:	<u>[Signature]</u>	



PERMIT UPDATE

Date Update Issued

Control #

Permit # 2311-95

Date Permit Issued

9/20/95
9-12-95

IDENTIFICATION Block 671 Lot 8

Work Site Location BRICK PLAZA

Contractor Callman Co

Address 71 Louis Ave

Owner in Fee APPLE FOOD STORES OF BRICK

W. 15th Ave NY 07140

Address 7 Pearl St ARLING HTS NJ

Tele. (201) 728 7267

07401

Lic. No. or Bids. Reg. No. 6961

Tele. (201) 818 4707

Federal Emp. No. _____

or Social Security No. _____

is hereby granted permission to perform the following work:

☐ BUILDING ☐ PLUMBING ☐ Other _____

☐ ELECTRICAL ☐ FIRE PROTECTION

DESCRIPTION OF WORK:

All plumbing for Apple Store RT & Plans

Estimated Cost of Work \$ 32,000 -

[Signature]
CONSTRUCTION OFFICIAL

PAYMENTS (Office Use Only)	
Building	_____
Plumbing	<u>524 -</u>
Electrical	_____
Fire Protection	<u>573 -</u>
Other	_____
Other	<u>PIR 108 -</u>
DCA Training Fee	<u>26 -</u>
Cert. of Occ.	_____
Other	_____
Total	<u>1209 -</u>
Check No.	<u>100001</u>
Cash	_____
Collected By:	<u>[Signature]</u>



PERMIT UPDATE

Date Update Issued

Control #

Permit # 2311-95

Date Permit Issued 9-12-95

IDENTIFICATION Block 671 Lot 8.

Work Site Location BRICK PLAZA

Contractor YATO SIBN

Address 1809 STAFF RD 33 NEWTON NJ

Owner In Fee APOL FARM SONS

Address 7 PEARL CT ALLAMORE

NJ 07801

Tele. (908) 988 6161

Lic. No. or Bldrs. Reg. No. _____

Tele. (201) 818 4707

Federal Emp. No. _____

or Social Security No. _____

is hereby granted permission to perform the following work:

☐ BUILDING ☐ PLUMBING ☐ Other _____

☐ ELECTRICAL ☐ FIRE PROTECTION

DESCRIPTION OF WORK:

SIBN Permit

Estimated Cost of Work \$ 14000

CONSTRUCTION OFFICIAL

PAYMENTS (Office Use Only)

Building

Plumbing

Electrical

Fire Protection

Other

Other

DCA Training Fee 1-

Cert. of Occ. _____

Other

Total 194-

Check No. _____

Cash _____

Collected By: _____



Date Received
Date Issued
Control #
Permit #

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature Forrest A. Korman

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

17T up empty shell space for Appletons Neighborhood Grill & Bar.

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING

Block 671 Lot 8
Work Site Location Appletons Set-up - Brick Pass Shopping Center
17701 Cedar Bridge Road Bridge, N.J. Space #24
Owner in Fee Eastern Hospitality Inc.
Address 7 Pearl Court Allendale NJ 07401
Tel. 201 818 4707
Lic. No. of Bids. Reg. No. 22-3376793 or Social Security No. _____
Federal Emp. No. _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)
☐ No Plans Req.			Type: <u>Failure</u>	Failure <u>9-13-95</u> Initial <u>Forrest A. Korman</u>
☐ All	<u>9/14/95</u>	<u>AK</u>	<u>Foundation</u>	<u>10/2/95</u>
☐ Footing			<u>Stee</u>	<u>10/1/95</u>
☐ Foundation			<u>Frame</u>	
☐ Frame			<u>Insulation</u>	
☐ Other			<u>Finishes:</u>	
Joint Plan Review Required:			<u>Energy</u>	
☐ Elec. ☐ Plumb. ☐ Fire			<u>Mechanical</u>	
SUBCODE APPROVAL			<u>TCO</u>	
<u>14001</u> <u>CCO</u>	<u>11/17/95</u>	<u>AK</u>	<u>Other</u>	
Date:			<u>Final</u>	
Approved By:				

B. BUILDING CHARACTERISTICS

Use Group M Present 1 Proposed A3
Constr. Class Structure Present Structure Proposed Unchanged
No. of Stories 1
Height of Structure 10.0'± Ft.
Area—Largest Floor 6,000 Sq. Ft.
New Bldg. Area/All Floors 6,000 Sq. Ft.
Volume of New Structure 102,000 Cu. Ft.
Total Land Area Disturbed 6,000 Sq. Ft.

Est. Cost of Bldg. Work:

1. New Bldg. \$ 275,000
2. Alteration \$ 275,000
3. Total (1+2) \$ 550,000

(Office Use Only)
FEE

TYPE OF WORK:	Height (6' or over)	Sq. Ft.	Per Sq. Ft.
☐ New Building			
☐ Addition			
☒ Alteration			
☒ Roofing			
☐ Siding			
☐ Fence			
☒ Sign	<u>90</u>		<u>Per Sq. Ft.</u>
☐ Pool			
☐ Asbestos Abatement			
☐ Other			
☐ Other			
☒ Demolition			

Administrative Surcharge \$ _____
Paid ☐ Check # _____ Minimum Fee \$ _____
Collected by: _____ DCA TRAINING FEE \$ _____
TOTAL FEE \$ _____

USE BUILDING SUBCODE TECHNICAL SECTION



Date Received
Date Issued 9-12-95
Control #
Permit # 2311-95

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION WHEN CHANGING CONTRACTORS. NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-1000.

Block 671 Lot 8
Work Site Location Applebees Fit-up - Brick Plaza Shopping Center
15701 Cedar Bridge Road Buick, N.J. Space #24
Owner in Fee Eastway Hospitality Inc.
Address 7 Pearl St
ALLENDALE, N.J. 07401
Tele. (201) 818-4707
Contractor Applebees Construction, Inc. Applebees Construction
Address 7 Pearl Court Allendale NJ 07401
Tele. 201-818-4707
Lic. No. or Bldgs. Reg. No. _____
Federal Emp. No. 22-3776793 or Social Security No. _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Failure	Dates (Month/Day)	Approval	Initial
☒ No Plans Req.	9/14/95	AK	Footings				
☒ All			Foundation				
☒ Footings			Slab				
☒ Foundation			Frame		11/10/95	AK	
☒ Other			Insulation				
Joint Plan Review Required:			Finishes:				
☐ Elec. ☐ Plumb. ☐ File			Energy				
SUBCODE APPROVAL			Mechanical				
<u>12 CO 1 1 CO 1 1 CA</u>			TCO				
Date: <u>4/17/95</u>			Other				
Approved By: <u>[Signature]</u>			Final				

B. BUILDING CHARACTERISTICS

Use Group M Present M Proposed A32
Constr. Class 2-2 Present 2-2 Proposed 2-2
No. of Stories 10
Height of Structure 105.0' Ft.
Area—Largest Floor 6,000 Sq. Ft.
New Bldg. Area/All Floors 6,000 Sq. Ft.
Volume of New Structure 102,000 Cu. Ft.
Total Land Area Disturbed 6,000 Sq. Ft.

Est. Cost of Bldg. Work:

1. New Bldg. \$ 275,000
2. Alteration \$ 275,000
3. Total (1+2) \$ 550,000

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.
Jonathan Nelson
Signature

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK
15701 up empty shell space for Applebees Neighborhood Grill & Bar.
Rest.

TYPE OF WORK:

☐ New Building
☐ Addition
☒ Alteration
☒ Roofing
☐ Siding
☐ Fence
☒ Sign Apple 90 Sq. Ft. Per Sign
☐ Pool
☐ Asbestos Abatement
☐ Other
☐ Other
☒ Demolition

(Office Use Only)

FEE
Administrative Surcharge \$ _____
Minimum Fee \$ _____
DCA TRAINING FEE \$ _____
TOTAL FEE \$ _____

Paid ☐ Check # _____
Collected by: _____
DCA TRAINING FEE \$ _____
TOTAL FEE \$ _____

BUILDING SUBCODE TECHNICAL SECTION

Date Received _____
 Date Issued _____
 Control # _____
 Permit # _____

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 Lot 8
 Work Site Location APPLICANT BRICK PLAZA 60 CHAMBERS
32108 120 BRICK NJ 07823
 Owner in Fee APPLICANT SONS OF BRICK
 Address 3 Pearl CT Allendale NJ 07401
 Tele. (201) 818 4707
 Contractor YATES SLEW
 Address 1805 State Hwy 33 Neptune NJ 07754
 Tele. (201) 988 6161
 Lic. No. or Bids. Reg. No. _____
 Federal Emp. No. _____ or Social Security No. _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)
☐ No. Plans Req.			Type:	Failure—Failure—Approval—Initial
☒ All			Foundation	
☐ Footing			Slab	
☐ Foundation			Frame	
☐ Other			Insulation	
Joint Plan Review Required:			Finishes:	
☐ Elec. ☐ Plumb. ☐ Fire			Energy	
SUBCODE APPROVAL			Mechanical	
☐ CO ☐ CCO ☒ CA			TCO	
Date: _____			Other	
Approved By: _____			Final	

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____
 Constr. Class Present _____ Proposed _____
 No. of Stories _____
 Height of Structure _____ Ft.
 Area—Largest Floor _____ Sq. Ft.
 New Bldg. Area/All Floors _____ Sq. Ft.
 Volume of New Structure _____ Cu. Ft.
 Total Land Area Disturbed _____ Sq. Ft.

Est. Cost of Bldg. Work:

1. New Bldg. \$ _____
 2. Alteration \$ _____
 3. Total (1 + 2) \$ _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the agent of owner of record and am authorized to make this application.
 Signature Jonathan P. Pilon

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

INSTALL 2 BUILDING SIGNS
 SEPARATE BY ELECTRICAL CONTRACTOR
 SEPARATE PERMIT

FRONT 23x60 = 1380 SF 415% = 207 SF ALLOWED
 SIDE 23x100 = 2300 x 15% = 345 ALLOWED
 SIGNAGE PERMITTED 9142 SF
 PER SIGN 2512 SF TOTAL PERMIT

(Office Use Only)

FEE

\$ 1805

TYPE OF WORK:	Height (6' or over)	Sq. Ft.	FEE
☐ New Building			
☐ Addition			
☐ Alteration			
☐ Roofing			
☐ Siding			
☐ Fence			
☐ Sign			
☐ Pool			
☐ Asbestos Abatement			
☐ Other			
☐ Demolition			

Administrative Surcharge \$ _____
 Minimum Fee \$ _____
 DCA TRAINING FEE \$ _____
 TOTAL FEE \$ _____

927/1730
CCI

WILLIAM APPLE REES



ELECTRICAL
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

SEP 12 95 008251

Brick

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 691 Lot 8

Work Site Location 60 Chambers Bridge Road BRICK NJ

Owner in Fee APRIL FOO SERVICE OF BRICK/GOVERN COARDS

Address 7 PART OF ALLENDALE NJ 07401

Tele. 201 818 4707

Contractor APRIL FOO SERVICE OF BRICK/GOVERN COARDS

Address CCI ELECTRIC 70 CHESTNUTWOOD ROAD

Tele. 201 391 2202

Lic. No. 14669

Federal Emp. No. 22-272 3256 or Social Security No. _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____
☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____
Building Occupied as _____ Utility Co. _____
Est. Cost of Elec. Work \$ 30,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required	Type:	Failure Failure Approval Initial
Joint Plan Review Required:	Rough	
☐ Bldg. ☐ Plumb.	Temporary	<u>9/27/95</u> <u>5477</u>
☐ Fire ☐ Elevator	Constr. Serv.	
☒ Elec. Plans Approved <u>NETCO</u>	TCO	
Date: <u>9/20/95</u>	Other	
Approved by: <u>APRIL FOO</u>	Service	
	Final	<u>11/17/95</u> <u>5477</u>
SUBCODE APPROVAL	Temp. Cut-in-Card Date Issued	<u>9/22/95</u> <u>5477</u>
☐ TCO ☐ CCO ☐ CA	Final Cut-in-Card Date Issued	<u>11/17/95</u> <u>5477</u>
Date: <u>11/17/95</u>		
Approved By: <u>APRIL FOO</u>		

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

☐ Licensed Electrical Contractor ☐ Exempt Applicant

Signature—Contractor Seal

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM
<u>160</u>		Fixtures (1)
<u>75</u>		Receptacles (2)
<u>38</u>		Switches (3)
<u>273</u>		Total 1 + 2 + 3
	<u>0.6kw</u>	Range
		Kw Oven(s)
		Kw Surface Unit
	<u>15</u>	hp Dishwasher + 15kw dishwasher
	<u>1.5</u>	hp Garbage Disposal
	<u>3</u>	Kw Dryer
	<u>19</u>	Kw AC Unit
		Burglar Alarms
		Intercoms Panels
		Smoke Detectors
		hp Whirlpool/spa
		Pool Bonding
		hp Pool Filter Motor
		Pool Lights
		Kw Water Heater(s)
		Kw Central heat:
		oil, gas or elec.
		Kw Baseboard Heat Units
		Thermostats
		hp Heat Pump
		hp Pump(s) <u>4-2000, 1-1000, 1-4000</u>
		Amp Meter—Central/Control/Sub Panels
		4644 Signs
		Light Standards
		hp Motors—Fractional H.P.
	<u>12.5</u>	hp Motors—All Others
		Kw Transformers
		Kw Generators
	<u>1</u>	800 Amp Service Entrance
	<u>103</u>	kW Other Food SERVICE

FEE (Office Use Only)

Paid ☐ Check # <u>0013</u>	Administrative Surcharge	\$ <u>691</u>
	Minimum Fee	\$ <u>24-</u>
	DCA Training Fee	\$ <u>715-</u>
Collected by: _____	TOTAL FEE	\$ <u>715-</u>

U.C.C. Form F-1208 RPF
1 White = Inspector Copy 2 Canary = Office Copy
3 Pink = Office Copy 4 Gold = Applicant Copy

PROGRESS LIVE ONE

9/22/95 PARTIAL SLAB OK - ISAC AREA 5473

9/25/95 PARTIAL SLAB OK - AM AREA 5477

9/26/95 PARTIAL ROUGH FOR OUTSIDE WALL TO BE BRICKED 5473

9/26/95 PARTIAL ROUGH FOR BRICK WALL 5473

9/28/95 PARTIAL ROUGH KITCHEN

9/29/95 BATHROOM & HALL

10/2/95 PARTIAL ROUGH PANE ROOM 5473

10/2/95 " " KITCHEN WALLS

10/16/95 " " BAR AREA

10/18/95 " " WALLS AROUND BAR AREA 5473

10/25/95 " " CEILING REAR

10/26/95 " " FRONT

11/1/95 PULL CONDUCTIONS

11/2/95 PARTIAL ROUGH AND 80% TOWARDS FINAL

11/13/95 COMPLETE - WILL CALL FOR FINAL 5473

11/13/95 90% COMPLETE TOWARDS FINAL 5473

11/13/95 ② REMOVE TRUSS AT MDP

11/13/95 ③ PROTECT LA & CONDUIT AT BACK DOOR

11/13/95 ④ SERVICE KITCHEN

11/13/95 ⑤ INSTALL ALL COVERS

11/13/95 ⑥ ALARM PERMIT

11/13/95 ⑦ DISCONNECT FOR AIR CURTAIN

11/13/95 ⑧ OK

4 doors
2 motion det.
Prest



ELECTRICAL
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

NOV 14 95 01 02 61

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 52 BRICK PLAZA
Work Site Location BRICKTOWN NH 08724
Owner in Fee APPLEBEES
Address 7 PEARL ST
Address ALLENDALE NH 07401
Tele. 908 477-9276
Contractor 3 ADDED STATE FIRE & SECURITY ALARM CO INC.
Address 123 MAIN ST
Address MATAMOROS NH 07747
Tele. 908 566 1515 EXT 11
Lic. No. _____
Federal Emp. No. _____ or Social Security _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed X
☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____
Building Occupied as RESTAURANT Utility Co. _____
Est. Cost of Elec. Work \$ 495.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required	Type:	Failure Failure Approval Initial
Joint Plan Review Required:		
☐ Bldg. ☐ Plumb.	Rough	
☐ Fire ☐ Elevator	Temporary	
☐ Elec. Plans Approved	Constr. Serv.	
Date: _____	TCO	
	Other	
Approved by: _____	Service	
	Final	
SUBCODE APPROVAL	Temp. Cut-in-Card Date Issued _____	
☐ CO ☐ CCO ☐ CA	Final Cut-in-Card Date Issued _____	
Date: <u>11/14/95</u>		
Approved By: <u>Steve Hinkle</u>		

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

[] Licensed Electrical Contractor [X] Exempt Applicant
Signature—Contractor Seal
Steve Hinkle

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM
_____	_____	Fixtures (1)
_____	_____	Receptacles (2)
_____	_____	Switches (3)
_____	_____	Total 1 + 2 + 3
_____	_____	Kw Range
_____	_____	Kw Oven(s)
_____	_____	Kw Surface Unit
_____	_____	hp Dishwasher
_____	_____	hp Garbage Disposal
_____	_____	Kw Dryer
_____	_____	Kw A/C Unit
_____	_____	Burglar Alarms
_____	_____	Intercoms Panels
_____	_____	Smoke Detectors
_____	_____	hp Whirlpool/spa
_____	_____	Pool Bonding
_____	_____	hp Pool Filler Motor
_____	_____	Pool Lights
_____	_____	Kw Water Heater(s)
_____	_____	Kw Central heat:
_____	_____	oil, gas or elec.
_____	_____	Kw Baseboard Heat Units
_____	_____	Thermostats
_____	_____	hp Heat Pump
_____	_____	hp Pump(s)
_____	_____	Amp Motor Control Center/Sub Panels
_____	_____	Signs
_____	_____	Light Standards
_____	_____	hp Motors—Fractional H.P.
_____	_____	hp Motors—All Others
_____	_____	Kw Transformers
_____	_____	Kw Generators
_____	_____	Amp Service Entrance
_____	_____	Other

Paid [] Check # <u>CPS/4</u>	Administrative Surcharge	\$ _____
	Minimum Fee	\$ _____
	DCA Training Fee	\$ _____
Collected by: _____	TOTAL FEE	\$ <u>40.-</u>

U.C.C. Form F-120B
RF
1 White - Inspector Copy
2 Canary - Office Copy
3 Pink - Office Copy
4 Gold - Applicant Copy



**FIRE PROTECTION
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

9/20/95
2311-95

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-1000.

Block G71 Lot 8
Work Site Location Applebee's fit-up Brick Plaza Shopping Center
Space 24 of 701 Cedar Bridge Road Brick, N.J.
Owner in Fee Eastern Hospitality Inc. Apple Food Service
Address 7 Pearl St. Allendale N.J. 07401
Telephone (201) 818-4707
Contractor APRUS Food Service of Brick
Address 7 Pearl St. Allendale NJ 07401
Telephone (201) 818-4707
Lic. No. _____
Federal Emp. No. 22-3376793 or Social Security No. _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group _____ Present M Proposed A-3
Constr. Class. _____ Present _____ Proposed 2C
Heating Systems ☒ New ☐ Existing 26 Employees
Type: ☒ Gas ☐ Oil ☐ Electrical ☐ Solar occupied 198 Cedar Bridge
☐ Other _____ 218 Trucks
Location: _____
Total Est. Cost of Fire Prot. Work \$ 2,000 ☐ Other _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS:	Dates (Month/Day)	Initial
☐ No Plans Required	Type: _____	Failure	Failure
Joint Plan Review Required:	Suppression Test	_____	_____
☐ Bldg. ☐ Plumb.	Fire Alarm Test	_____	_____
☐ Elec. ☐ Elevator	Smoke Test	_____	_____
☒ Fire Plans Approved	Mechanical	_____	_____
Date: <u>9/20/95</u>	TCO	_____	_____
Approved by: _____	Other	_____	_____
SUBCODE APPROVAL	Other	_____	_____
☒ CO ☐ CCA ☐ CA	Other	_____	_____
Date: <u>9/8/95</u>	Other	_____	_____
Approved by: _____			

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Robert A. Hiron
SIGNATURE

D. TECHNICAL SITE DATA

Description of Work _____
Water Supply Source _____
Method of Valve Supervision _____
Local Alarm Supervision _____
Central Supervision _____
Proprietary Supervision _____
Flammable Liquid Storage Tanks _____
Combustible Liquid Storage Tanks _____
L.P.G. Storage Tanks _____
L.N.G. Storage Tanks _____
Number _____
Fuel _____
() Capacity _____
() Capacity _____
() Capacity _____
() Capacity _____
Fuel _____

FEE (Office Use Only)

Wet Sprinkler Heads _____
Dry Sprinkler Heads _____
TOTAL _____
Smoke Detectors S.P. Common Devices _____
Heat Detectors A.C. _____
TOTAL _____

Stand Pipes _____
Kitchen Hood Exhaust Systems 1 Ansul _____
Pre-Engineered Systems Ansul system for hood _____
CO₂ Suppression _____
Halon Suppression _____
Foam Suppression _____
Dry Chemical _____
Wet Chemical _____
Gas or Oil Fired Appliance _____
OTHER HVC _____
10 _____
3 _____
330 _____
99 _____

Paid ☐ Check # _____
Minimum Fee \$ _____
DCA Training Fee \$ _____
Collected by: _____
TOTAL FEE \$ 573-



**PLUMBING
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

2311-95

UPDAT E

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 671 Lot 8
Work Site Location 60 Chamber Bridge Rd Brick Plaza
Owner in Fee Apple Food Service OG Brick
Address 7 Pearl at Alameda NY 07401

Tele. (201) 818 4707
Contractor Gallmann Co, Inc.
Address 21 Louis Avenue
West Milford, N.J. 07480
Tele. (201) 228-2034
Lic. No. 6961
Federal Emp. No. 22-1723810 or Social Security No. _____

B. PLUMBING CHARACTERISTICS

Use Group Present 4" Proposed _____
Building Sewer Size 2" Public Sewer X Private Septic _____
Water Service Size _____ Public Water X Private Well _____
Estimated Cost of Plumbing Work \$ 30000

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS	Dates (Month/Day)
☐ No Plans Required	Type:	Failure Failure Approval Initial
Joint Plan Review Required:	Slab	<u>10-2-91</u> <u>10-5-91</u> <u>10-10-91</u>
☐ Bldg. ☐ Elec.	Rough	
☐ Fire ☐ Elevator	Water	
☒ Plumb. Plans Approved	Sewer	
Date: <u>9-30-91</u>	Fixtures	
Approved by: <u>BAW</u>	Gas Equipment	
SUBCODE APPROVAL:	Gas Piping	
☐ CO ☐ CCO <u>USCA</u>	Solar	
Approved By: <u>[Signature]</u>	TCO	
Date: <u>11-01-95</u>		

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature—Contractor Seal

☒ Licensed Plumbing Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
<u>6</u>	Water Closet	<u>42</u>
<u>2</u>	Urinal/Bidet	<u>14</u>
<u>7</u>	Bath Tub	<u>42</u>
<u>15</u>	Lavatory	<u>108</u>
<u>3</u>	Shower	<u>21</u>
<u>18</u>	Floor Drain	<u>7</u>
<u>4</u>	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	<u>21</u>
<u>3</u>	Water Heater	
<u>1</u>	Fuel Oil Piping	<u>15</u>
	Gas Piping	
	Steam Boiler	<u>75</u>
	Hot Water-Boiler/WAC	
<u>1</u>	Sewer Pump	<u>25</u>
<u>1</u>	Interceptor/Separator	<u>25</u>
<u>3</u>	Backflow Preventer	<u>25</u>
	Greasetrap	<u>75</u>
<u>1</u>	Water Cooled A/C or Refrigeration Unit	
<u>1</u>	Sewer Connection	
	Water Service Connection	
	Active Solar System	
	Other	

Paid ☐ Check # _____	Administrative Surcharge \$ <u>10</u>
Minimum Fee \$ _____	
DCA Training Fee \$ _____	
Collected by: _____	TOTAL \$ <u>502</u>



PLUMBING
SUBCODE
TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

9/20/95
2311-95

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 601 Lot 8
Work Site Location 60 Chamber Bridge Rd Brick Plaza
Owner in Fee AT&T Food Service of Brick
Address 2 Pearl Ct Allendale NJ 07401

Tele. (201) 818 4507
Contractor Gallman Co. Inc.
Address 21 Louis Avenue
West Hillfield NJ 07980
Tele. (201) 725-7034
Lic. No. 4961
Federal Emp. No. 22-1725810 or Social Security No. _____

B. PLUMBING CHARACTERISTICS

Use Group Present 4" Proposed _____
Building Sewer Size 2 Public Sewer X Private Septic _____
Water Service Size 2 Public Water X Private Well _____
Estimated Cost of Plumbing Work \$ 3000

JOB SUMMARY (Office Use Only)

PLAN REVIEW:	INSPECTIONS	Dates (Month/Day)
	Type:	Failure Failure Approval Initial
☐ No Plans Required	Slab	
☐ Joint Plan Review Required:	Rough	
☐ Fire ☐ Elevator	Water	
☒ Plumb. Plans Approved	Sewer	
Date: <u>9-20-95</u>	Fixtures	
Approved by: <u>[Signature]</u>	Gas Equipment	
SUBCODE APPROVAL:	Gas Piping	
☐ CO ☐ CCO ☐ CA	Solar	
Approved By: _____	TCO	
Date: _____		

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature [Signature]
Contractor Seal

☒ Licensed Plumbing Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
<u>6</u>	Water Closet	<u>4/2</u>
<u>2</u>	Urinal/Bidet	<u>14</u>
<u>7</u>	Bath Tub	<u>42</u>
<u>15</u>	Lavatory	<u>105</u>
<u>9</u>	Shower	<u>41</u>
<u>18</u>	Floor Drain	<u>7</u>
<u>4</u>	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	<u>21</u>
<u>3</u>	Water Heater	
<u>1</u>	Fuel Oil Piping	<u>15</u>
<u>3</u>	Gas Piping	<u>75</u>
	Steam Boiler	
	Hot-Water-Boiler <u>W/A</u>	
	Sewer Pump	<u>25</u>
<u>1</u>	Interceptor/Separator	<u>25</u>
<u>1</u>	Backflow Preventer	<u>45</u>
<u>3</u>	Greasetrap	<u>75</u>
<u>1</u>	Water Cooled A/C or Refrigeration Unit	
<u>1</u>	Sewer Connection	
	Water Service Connection	
	Active Solar System	
	Other	

Paid ☐ Check # _____	Administrative Surcharge \$ <u>10</u>
Minimum Fee \$ _____	
DCA Training Fee \$ _____	
Collected by: _____	TOTAL \$ <u>502</u>

TOWNSHIP OF BRICK

ZONING PERMIT

Date of Issue: September 13, 1995 1995 z 1392

Block 671 Lot 8 Zone B-3, H.D.

Property Address: Brick Plaza

Owner: Federal Realty (Phone): _____

Applicant: Applebee's (Phone): (201) 818-4707

Use: Restaurant

Proposed Construction (if any): Two "Applebee's" wall signs, 67 square feet each.

Two "Neighborhood Grill and Bar" wall signs, 67

24.5 square feet each. 67

24.5

24.5

183 Total

Conditions: _____

Please note that Building Permits, as well as Zoning Permits, must be obtained prior to any construction.

This permit shall be null, void and of no effect if any of the facts contained in the application upon the basis of which this permit was granted are false or untrue in any material respect. This permit shall expire one (1) year after the date of issuance if the use or substantial construction has not been commenced.

Sean Kinnevy

Sean Kinnevy

Land Use Officer

☐ EXEMPT
☒ PRELIMINARY
☐ TEMPORARY
☒ FINAL Law

CERTIFICATE OF COMPLIANCE

NAME: Appleby's DATE: 9/7/95

ADDRESS: Brick Plaza

PROPERTY LOCATION: _____

ACCOUNT NO: _____ BLOCK 671 LOT 8

INCLUSIONARY DEVELOPMENT

☐ Affordable Fee Required \$500.00 Date _____
Down Payment _____ Date _____
Balance _____ Date _____
Pd. in Full _____ Date _____
☐ Market Rate No Fee Required _____ Date _____

MANDATORY DEVELOPER FEES

☐ Residential is .005%
☒ Commercial is .01%

\$385,970.00

Estimated Fee : \$3,859.70 Date: 9/6/95 tick
Down Payment : \$1,929.85 Date: 9/7/95 000010 (B)
Final Fee : 1,929.85 Date: 11/1/95
(Less down payment)
Balance : \$1,929.85 Date: _____
Pd. in Full : 1,929.85 Date: 11-7-95 Law Apple Food Service

I hereby certify that the above applicant has complied with all rules and regulations of the Office of Affordable Housing and has paid all required fees and charges.

Carol A. Wolfe
CAROL A. WOLFE
AFFORDABLE HOUSING ADMINISTRATOR

**THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY**

1551 HIGHWAY 88 WEST
BRICK, NEW JERSEY 08724
458-7000

CERTIFICATE OF COMPLIANCE

Date

11/14/95

NAME Applebee's

ADDRESS 7 Pearl Court Allendale, NJ 07401

PROPERTY LOCATION Brick Plaza

Account No. J960993

Block 671

Lot 8

I hereby certify that the above applicant has complied with all Rules
and Regulations of this Authority and has paid all required fees and charges.

For the Authority

Maurice Pella

BLOCK 671-

PLUMBING & MECHANICAL CHECK LIST

LOT

8

DATE

9/9/95

TECHNICAL SECTION INCOMPLETE

PLUMBER'S IDENTIFICATION & SEAL 

ISOMETRIC SKETCH

LIST OF EXISTING FIXTURES

GAS PIPING (LENGTH OF RUN - SIZING - APPLIANCE RATINGS)

SIZE OF EXISTING HEATING UNIT

BROCHURE FOR NEW HEATING UNIT

HEAT LOSS SURVEY

BARRIER-FREE CODE REQUIREMENTS

OTHER

BLOCK

621

PLUMBING & MECHANICAL CHECK LIST

LOT

8

9/9

DATE

9/9/95

TECHNICAL SECTION INCOMPLETE

PLUMBER'S IDENTIFICATION & SEAL ✓

ISOMETRIC SKETCH

LIST OF EXISTING FIXTURES

GAS PIPING (LENGTH OF RUN - SIZING - APPLIANCE RATINGS)

SIZE OF EXISTING HEATING UNIT

BROCHURE FOR NEW HEATING UNIT

HEAT LOSS SURVEY

BARRIER-FREE CODE REQUIREMENTS

OTHER

Bd of Health plans

Members

Gary Casperson, Chairman
Walter F. Rehak, Vice Chairman
Robert Singer, Secretary-Treasurer
Leon Dwulet, M.D.
Barbara Hiering
Robert S. Laureigh
John J. Mallon
Patricia Seeber
Warren Wolf
James F. Lacey, Freeholder Liaison
Seymour J. Kagan, Counsel



OCEAN COUNTY HEALTH DEPARTMENT

P.O. Box 2191
Toms River, N.J. 08754-2191
908-341-9700

Herbert W. Roeschke
Public Health Coordinator

Township of Brick
401 Chambersbridge Road
Brick, New Jersey 08723

September 19, 1995

Re: Proposed Floor Plan
Block 71 Lot 8
APPLEBEES
ROUTE 70 & CEDARBRIDGE ROAD
BRICK, NJ 08723

Dear Sir:

I have reviewed the floor plans for the above-referenced proposed food establishments and have found them to be in substantial compliance with Chapter XII, the New Jersey State Retail Food Code.

If you should have any questions, please feel free to contact me at this office.

Very truly yours,

Stephen Klaniecki / JSH
Stephen Klaniecki
Sanitary Inspector

cc: Brick Township Board of Health
Brick Township Construction Official (Arthur Cierzo)



OCEAN COUNTY HEALTH DEPARTMENT

No: _____

SANITARY INSPECTION REPORT

ESTABLISHMENT INFORMATION			
PHONE # TEMP. 201-818-4707		ESTABLISHMENT CODE 22	GOODS ☐ DESTROYED ☒ EMBARGOED
ESTABLISHMENT TRADING NAME APPLEBEE'S		EVALUATION ☒ SATISFACTORY ☐ CONDITIONALLY SATISFACTORY ☐ UNSATISFACTORY	
NUMBER AND STREET RT 70 + CEDARBRIDGE ROAD		WATER SUPPLY ☒ Public - Community ☐ Individual (Public - Non-Community)	
CITY OR MUNICIPALITY BRICK	ZIP CODE 08723		
ESTABLISHMENT LICENSE NO. TO BE OBTAINED	COMMUN. CODE 1500	RISK I	
OWNER INFORMATION (Complete this section only if different from establishment information)		TIME (2400 HOURS)	
NAME OF OWNER(S), CORPORATION OR REGISTERED AGENT GORDON GROSS		DATE 9-15-95	BEGIN 0800
NUMBER AND STREET 7 PENAL COURT			END 0900
CITY OR MUNICIPALITY ALLENDALE		STATE N.J.	
CODE 07401	COMMUN. CODE —	COMPLAINT NO. _____	COMPLAINT REC. _____
		COMPLAINT INSPECTED _____	
INSPECTION TYPE COMPLAINT INITIAL INSPECTION REINSPECTION PLAN REVIEW CONFERENCE	TYPE OF ESTABLISHMENT ☒ RETAIL ☐ WHOLESALE ☐ VENDING MACHINE NO. OF MACHINES ☐ FROZEN DESSERTS ☐ OTHER	Herbert W. Roeschke Health Officer Sunset Avenue P.O. Box 2191 Toms River, N.J. 08754-2191 Telephone No. 908-341-9700	
		NAME OF INSPECTING OFFICIAL (Print) STEPHEN KLAMIECKI	
		SIGNATURE OF INSPECTING OFFICIAL <i>Stephen Klamiecki</i>	PERMANENT REG. NO. B-1463

DETAILED DATA SHEET

Establishment Trading Name APPLE BEE'S		Establishment License No. TO BE OBTAINED	Date 9-15-95
Signature of Inspecting Official <i>Stephen J. Flanigan</i>		Municipality BRICIA	Time - (2400 Hours) Begin 0700
REQ. NO.	REMARKS (Please specify area)		
	<i>This establishment is found to be in satisfactory compliance with Chapter XII.</i> <i>Notes: This Department is to be notified at least 48 hours prior to intended operation for a pre-opening inspection.</i>		

H.D. 87

Page

of

Pages



Telephone: (201) 818-4707

Facsimile: (201) 818-0807

FACSIMILE TRANSMISSION

DATE:

Nov. 14, 1995

ATTN:

Tina Lines

COMPANY:

Town Hall

FROM:

Christie Pattman

PAGES:

~~4~~ 3

(INCLUDING COVER)

SUBJ:

Floor Plan - Tent - Brick Plaza

Tina -

Attached is the floor plan for the
Applebee's VIP party tent. Is this OK?

Certificate of Flame Resistance

REGISTERED
APPLICATION
NUMBER

- P121-4 -



ISSUED BY
ANCHOR INDUSTRIES INC.
EVANSVILLE, INDIANA 47711

MANUFACTURERS OF THE FINISHED
TEXT PRODUCTS DESCRIBED HEREIN

Date of Manufacture
935162 4/27/92
SERIAL#8025000
SERIAL#8025300

This is to certify that the materials described have been flame-retardant treated (or are inherently nonflammable) and were supplied to:

NAME: **BIG TOP TENTS**

CITY: **LOSBRANCH**

STATE: **MT**

Certification is hereby made that:

The articles described on this Certificate have been treated with a flame-retardant approved chemical and that the application of said chemical was done in conformance with California Fire Marshal Code, equal to or exceeds NFPA 701, CPAI 84 GOVERNMENT CERTIFIED LAB #3026 Method of application: **LAMINATED** U.L.-214

MIL-C-4306D, NYC-374-65M

Type, color and weight of canopy: **15 oz. BOTTLES BIG TOP VINYL LAMINATE**

WHITE

Description of item certified:

(1) 30 X 60 5PC EXP. FIRESTA TOP

Flame Retardant Process Used Will Not Be Removed By Washing And Is Effective For The Life Of The Fabric

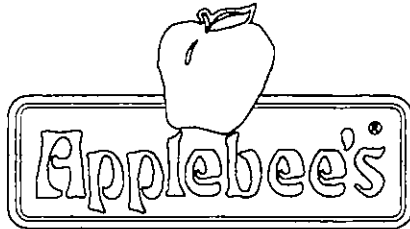
JOHN BOYLE & CO.

Manufacturer of Flame Retardant Finish
STATEVILLE, NC

Signed:

[Signature]
TEXT DEPARTMENT - ANCHOR INDUSTRIES INC.
LOUIS R. BROWN

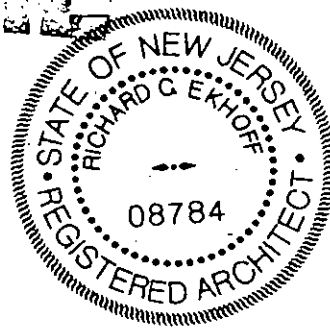
Project Manual



Neighborhood Grill & Bar

BRICK PLAZA
SHOPPING CENTER
BRICK, NEW JERSEY

CONFIDENTIAL



Architect:

Ekhoft, Ochenkoski & Polk Architects

Owner:

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Allandale, New Jersey

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9545

Comm. Number

21 AUG. 1995

Date

Set

Number

**Applebees Neighborhood Grill & Bar
BRICK PLAZA SHOPPING CENTER
Brick, New Jersey**

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CONDITIONS OF THE CONTRACT

SECTION 00150: INSTRUCTIONS TO BIDDERS

Instructions to Bidders for this Contract is AIA Document A701, Instructions to Bidders, 1987 Edition.

Invitation to Bid:

Selected Contractors are invited to submit a stipulated lump sum bid for work as indicated on the drawings. Proposals are to include all labor, taxes, fees, insurance, permits, tools, equipment, materials, services and incidentals necessary or required for the construction of the above project as outlined by the Contract Documents.

Bid Form:

Only proposals received on the Applebee's International, Inc. "General Contractor's Project Bid Breakdown" form will be accepted.

Procurement of Documents:

Selected Contractors will be issued sets of Blueprints and specifications at discretion of owner. Additional copies may be purchased at cost directly through printer.

Examination of Site and Documents:

Each bidder shall visit the site of the proposed work and acquaint himself with the existing conditions so he may understand the existing systems and facilities, difficulties, and restrictions related to the execution of the work under the contract.

Right to Reject Bid Proposals:

The Owner reserves the right to waive irregularities and to reject any or all Bid Proposals.

Performance and Labor and Material Payment Bond: Where required by the Owner, furnish a performance Bond in an amount equal to 100% of the Contract Sum and a Labor and Material Payment Bond in an amount not less than 100% of the Contract Sum.

Form of Agreement:

The Form of Agreement shall be AIA Form A101 "Standard Form of Agreement Between Owner and Contractor Stipulated Sum".

SECTION 00700: GENERAL CONDITIONS

The General Conditions of the Contract are the American Institute of Architects Standard Document No. A201 "The General Conditions of the Contract for Construction", 1987 Ed., hereinafter referred to as the "General Conditions".

SECTION 00800: SUPPLEMENTARY GENERAL CONDITIONS

Warranty: The Contractor shall furnish to the Owner with final application for payment, a one year written guarantee, warranting all work in accordance with the provisions of the General Conditions. In the eleventh month, Owner and General Contractor's representatives shall perform a warranty walk through of project.

Specification Division: Wherever a provision of a section of the Specification conflicts with any agreements or regulations in force among members of a Trade Association, Union, or Council which regulates or distinguishes what work shall or shall not be included in the work of any particular trade, the Contractor shall make necessary arrangements to reconcile such conflicts without delay, damage, or cost to the Owner and without recourse to the Architect, Construction Consultant, or the Owner.

Subcontractor List: The contractor shall furnish to the owner with final application for payment, a completed AIA Form G805, List of Subcontractors.

Permits, Fees and Notices: Permits and licenses necessary for the execution of the work and areas affected by this work shall be secured and paid for by the Contractor.

Progress Schedule and Reports: Within 15 days of date established for "Commencement of the work", submit a comprehensive bar-chart type progress schedule indicating a time bar for each significant category or unit of work to be performed at the site. Arrange schedule to indicate

required sequencing of units, and to show time allowances for submittals inspections and similar time margins.

Show critical submittal dates related to each time bar, or prepare separate coordinated listing of critical submittal dates.

Project Meetings: Conduct general progress and coordinating meetings at least once each month, attended by a representative of each primary entity engaged for performance of work. Record discussions and decisions, and distribute copies to those attending and others affected including Architect/Engineer. Schedule meetings to coordinate with preparation of payment requests.

Application for Payment: The form of Application for Payment shall be AIA Document G702, Application and Certification for Payment, supported by AIA Document G702A, Continuation Sheet.

Payment Application Times: Payment dates are indicated in the Agreement. The period covered by each application is the period indicated.

Requests for partial payment shall be supported by receipts, lien waivers, affidavits, or other vouchers showing payment of materials and labor, payments to subcontractors. Lien waivers from prior payment shall be submitted with second payment request and each subsequent payment request.

Insurance Requirements:

A. Provide insurance as follows:

1. Worker's Compensation with statutory limits, and Employers Liability:
Minimum limits in the following amounts: \$500,000 per Accident for Bodily Injury by Accident; \$500,000 per Employee for Bodily Injury by Disease; \$500,000 Policy Limit for Bodily Injury by Disease.
2. General Liability: Must include Products/Complete Operations Liability and include hazards of Explosion, Collapse and Underground, if applicable. Coverage to be either the Comprehensive General Liability form or the Commercial General Liability form. Minimum limits in the following amounts:

If Comprehensive General Liability form:

\$1,000,000 per Occurrence/\$1,000,000 Aggregate Broad Form Comprehensive General Liability Endorsement or its equivalent to be included to provide Contractual Liability, Personal Injury/Advertising Injury Liability, Broad Form Property Damage including Completed Operations, Incidental Medical Malpractice.

If Commercial General Liability form:

\$1,000,000	per Occurrence
\$2,000,000	General Aggregates
\$2,000,000	Products/Completed Operations Aggregate
\$1,000,000	Personal Injury
\$ 250,000	Fire Damage Liability
\$ 5,000	Medical Payments

Owner shall be named as an additional insured, as Owner's interest may appear with respect to operations performed by Contractor.

3. Automobile Liability: Minimum limits in the following amounts: \$1,000,000 combined Single Limit for Bodily Injury and/or Property Damage.

- B. Contractor may, subject to approval by Owner, provide Builders Risk coverage as outlined below. Contractor shall reflect in his bid the premium cost for such Builders Risk coverage:

Coverage to be for "All Risk" perils or "Special" Causes of Loss, as appropriate for the policy forms applicable, shall include the perils of Flood and Earthquake and shall be on a Completed Value basis.

Coverage shall name Owner as an Additional Insured as owner's interest may appear, if applicable.

DIVISION 1: GENERAL REQUIREMENTS

SECTION 01000: SPECIAL CONDITIONS

Contractor shall provide all permits, articles, materials, operations, or methods listed, mentioned, or scheduled on the drawings and/or specified herein, including all labor, materials, equipment, and incidentals necessary and required for their completion.

COORDINATION: Coordinate various elements of the work and entities engaged to perform work; and coordinate the work with existing facilities/conditions, and with work by separate contractors and by Owner.

LAYOUT AND LEVELS: Maintain a permanent bench mark and locate the buildings on site and establish building lines and floor elevations.

INSTALLER INSPECTION: Require Installer of each major unit of work to inspect substrate and conditions for installation, and to report (in writing) unsatisfactory conditions. Correct unsatisfactory conditions before proceeding.

MANUFACTURER'S INSTRUCTIONS: Comply with manufacturer's installation instructions and recommendations, to the extent that they are more stringent than requirements in Contract Documents.

WORKMANSHIP: Perform all work according to highest standards of building trades.

CLEANING AND PROTECTION: During handling and installation, clean and protect construction in progress and adjoining materials in place. Apply protective covering where required to ensure protection from damage or deterioration at substantial completion.

CUTTING AND PATCHING: Each subcontractor shall do necessary cutting and patching for proper installation of his work.

STRUCTURAL WORK: Do not cut and patch structural elements in a manner that would reduce the load-carrying capacity or load deflection ratio. Obtain approval of the cutting and patching proposal before cutting and patching structural elements.

OPERATIONAL/SAFETY LIMITATION: Do not cut-and-patch operational elements and safety components in a manner resulting in decreased performance, shortened useful life, or increased maintenance.

VISUAL/QUALITY LIMITATIONS: Do not cut-and-patch work exposed to view (exterior

and interior) in a manner resulting in noticeable reduction of visual qualities and similar qualities, as judged by Architect/Engineer.

TEMPORARY FACILITIES:

Regulations: Comply with local applicable laws and regulations.

Job Telephones: Provide a telephone for use of Contractor, subcontractors Architect/Engineer, and Owner's Project Manager.

Heat, Water and Electrical Power shall be furnished and paid for by the General Contractor.

Toilet Facilities: Maintain and identify toilet facilities for use during entire construction time.

Barricades: Provide barricades as required to protect from hazards connected with the work.

Storage of Materials and Equipment: Storage facilities shall be provided at the cost of the individual contractor or subcontractor as required.

WEATHER REQUIREMENTS: All work shall be performed in temperature ranges that are within the trade-recommended ranges and/or the ranges herein specified.

FINAL CLEANING: Prior to acceptance of project by Owner, thoroughly clean, polish and put into operating order all work under the Contract.

In no way shall work on this project adversely affect adjacent property. Contractor shall verify and insure same. All reasonable measures for noise and dust abatement shall be employed.

The Contractor shall notify the Owner prior to starting work for approval to commence work and submit all required insurance policies.

OWNER-FURNISHED PRODUCTS:

Owner's Responsibilities: The Owner will arrange and pay for product delivery to the site in accordance with the construction schedule. The Owner and the Contractor shall jointly inspect the deliveries for shortages and damaged or defective items.

Contractor's Responsibilities: The Contractor shall unload, uncrate, and store the products at the site and shall protect them from exposure to the elements, theft, and other damage. Items damaged after acceptance by the Contractor shall be replaced at the Contractor's expense. The

contractor shall provide two (2) storage trailers "on site" one (1) for the contractor's use and one (1) for the sole use of the owner. The products shall be installed, connected, adjusted and finished in accordance with the applicable section of these specifications.

The following portions of work will be provided by the Owner for installation by the Contractor: See Sections 11400 and 12000 for additional requirements.

- Decorative "Tiffany" fixtures as indicated
- Soap dispensers and towel dispensers
- Televisions for installation to ceiling-hung support tray

The following portions of the work will be provided by the Owner under separate contract or other arrangement. Contractor involvement as noted and indicated on the drawings. See Section 11400 and 16000 for additional requirements.

- Kitchen and bar equipment (Owner deliver and set; GC to provide rough-in and connection)
- Portable furnishings and equipment. (Tables, table bases, chairs, carousel horse, "F" items indicated on Sheet F1, etc.)
- Decor items and graphics
- Stained glass panels
- Exterior and Interior Signs except for wall plaques specified in Section 08700 and brass numbers and signs specified in Section 10425. (Coordinate size and location of rough-in with Owner.)
- Sound equipment (Verify with Owner.)
- Telephone instruments and equipment (See Electrical Drawings.)
- Prefab-Coolers (Verify with kitchen equipment supplier.)
- Bar top and upper bar cabinet
- Smoke filter system
- Point of sale equipment
- Rooftop grease containment system

Review of Submittals: All submittals shall be made directly to the Owners Representative.

SECTION 01010: SUMMARY OF WORK

Contract Documents: Requirements of the work are contained in the contract documents and include cross-references herein to published information, which is not necessarily bound therewith.

Verbal Summary: Without force and effect on requirements of contract documents, the (incomplete) description of the work of the Contract can be summarized as follows:

The WORK consists of the Fit up of a new Applebee's restaurant to be located at:

Brick Plaza, Brick Township, Brick, New Jersey.

Contractor Use of Premises: Limit use of the premises to construction activities in areas indicated.

Confine operations to areas within Contact limits indicated.

Keep driveways and entrances serving the premises clean at all times. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

Partial Owner Occupancy: The Owner reserves the right to occupy, place and install equipment in completed areas prior to substantial completion provided such occupancy does not interfere with completion of the Work. Placing of equipment and partial occupancy shall not constitute acceptance of the total Work. If General Contractor does not wish for Owner's representatives to be working out of facility the last month of construction, supply an office trailer with electric hook up for their use.

DIVISION 2: SITE WORK

SECTION 02070 - SELECTIVE DEMOLITION

PART 1 - GENERAL:

RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

DESCRIPTION OF WORK:

Extent of selective demolition work is indicated below.

Trenching of existing concrete slab as required to install new floor drains, plumbing lines, an installation of grease interceptor, instalation of nw exit ramp etc.

Removal of existing column wrap (gypsum board and metal studs) as required to install new column covering. Removal of CMU for instillation of new doors and frames.

JOB CONDITIONS:

Occupancy: The Shopping Center will be continuously occupying areas of the building immediately adjacent to areas of selective demolition. Conduct selective demolition work in manner that will minimize need for disruption of Shopping Centers normal operations. Provide minimum of 72 hours advance notice to the Shopping Centers representative of demolition activities which will impact Mall's normal operations.

Condition of Structures: Owner assumes no responsibility for actual condition of items or structures to be demolished.

Damages: Promptly repair damages caused to adjacent facilities by demolition work at no cost to Owner, or Shopping Center.

Traffic: Conduct selective demolition operations and debris removal in a manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities.

Do not close, block or otherwise obstruct streets, walks or other occupied or used facilities without written permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.

Explosives: Use of explosives will not be permitted.

Environmental Controls: Use temporary enclosures, and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations pertaining to environmental protection.

PART 2 - PRODUCTS (Not Applicable).

PART 3 - EXECUTION

INSPECTION:

Prior to commencement of selective demolition work, inspect areas in which work will be performed. Photograph existing conditions to structure surfaces, equipment or to surrounding properties which could be misconstrued as damage resulting from selective demolition work; file with Owner's Representative prior to starting work.

PREPARATION:

Provide interior and exterior shoring, bracing, or support to prevent movement, settlement or collapse of structures to be demolished and adjacent facilities to remain.

Cease operations and notify the Owner's Representative immediately if safety of structure appears to be endangered. Take precautions to support structure until determination is made for continuing operations.

Cover and protect furniture, equipment and fixtures to remain from soiling or damage when demolition work is performed in rooms or areas from which such items have not been removed.

DEMOLITION:

Perform selective demolition work in a systematic manner. Use such methods as required to complete work indicated on Drawings in accordance with demolition schedule and governing regulations.

Demolish concrete and masonry in small sections. Cut concrete and masonry at junctures with construction to remain using power-driven masonry saw or hand tools; do not use power-driven impact tools.

Provide services for effective air and water pollution controls as required by local authorities having jurisdiction.

For interior slabs on grade, use removal methods that will not crack or structurally disturb adjacent slabs or partitions. Use power saw where possible.

Completely fill below-grade areas and voids resulting from demolition work. Provide fill consisting of approved earth, gravel or sand, free of trash and debris, stones over 6" diameter, roots or other organic matter.

DISPOSAL OF DEMOLISHED MATERIALS:

Remove debris, rubbish and other materials resulting from demolition operations from building site. Transport and legally dispose of materials off site.

If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws, and ordinances concerning removal, handling and protection against exposure or environmental pollution.

Burning of removed materials is not permitted on project site.

CLEAN-UP AND REPAIR:

Upon completion of demolition work, remove tools, equipment and demolished materials from site. Remove protections and leave interior areas broom clean.

Repair demolition performed in excess of that required. Return structures and surfaces to remain to condition existing prior to commencement of selective demolition work. Repair adjacent construction or surfaces soiled or damaged by selective demolition work.

Salvage Of Existing Materials

The Shopping Centers representative will instruct the demolition contract as to equipment, fixtures etc. they wish to salvage and will coordinate its removal.

END OF SECTION 02070

DIVISION 3: CONCRETE

SECTION 03300: CAST-IN-PLACE CONCRETE

General: Furnish and install all cast-in-place concrete as indicated on the drawings and as specified herein, including exterior concrete for sidewalks, platforms, ramps, curbs gutters, etc., as well as all concrete required in connection with the building construction.

Comply with applicable provisions of the following codes and standards except as otherwise indicated: ACI 301 "Specifications for Structural Concrete for Buildings"; ACI 347, "Recommended Practice for Concrete Formwork"; ACI 304, "Recommended Practice for Measuring, Mixing, Transporting, and Placing Concrete".

Materials:

Portland cement shall conform to ASTM C 150, Type I or Type II.

Aggregates shall conform to ASTM C 33, size 67 or 57, masonry grout size 8, except local aggregate of proven durability may be used when acceptable to the Owner.

Water shall be clean, free of oils, acids, organic matter.

Air-entraining admixture shall conform to ASTM C 260.

Calcium chloride is prohibited from use in concrete.

Joint fillers: See Section 07900.

Welded wire shall conform to ASTM A 185.

Provide form materials with sufficient stability to withstand pressure of placed concrete without bow or deflection.

For exposed concrete surfaces, use acceptable panel forms to provide continuous, straight, smooth finish. Use largest practical sizes to minimize form joints.

Design:

Proportion concrete mix by either laboratory trial batch or field experience method, in accordance with ACI 318, Chapter 5. Submittal shall establish concrete mix proportions, including water/cement ratio, weights, and volumes of all materials used for each class and type of concrete.

Submit written report to the Owner for each proposed concrete mix at least 15 days prior to start of work. Do not begin concrete production until mixes have been reviewed and are acceptable to the Owner.

Mix designs may be adjusted when material characteristics, job conditions, weather, test results or other circumstances warrant. Do not use revised concrete mixes until submitted to and accepted by Owner.

Use air-entraining admixture in all concrete, providing not less than 5% nor more than 7% entrained air for concrete exposed to freezing and thawing, and from 2% to 4% for other concrete.

Concrete shall be proportioned and produced to have a maximum slump of four inches if consolidated by vibration, and five inches if consolidated by means other than vibration. A tolerance of one inch is allowed if average of all batches does not exceed the maximum limit.

Limit fine aggregate to 40% of total aggregate by weight.

Ready-mixed concrete shall conform to ASTM C94. Minimum compressive strength at 28 days shall be 4,000 psi; water - cement ratio, 0.50 max (plain concrete), 0.42 max (air entrained concrete).

Concrete Testing

If required by Owner.

The Contractor shall employ, at his own expense, a separate independent testing laboratory acceptable to the Owner to perform quality control testing and to submit test reports to the Owner. The testing laboratory shall be responsible for conducting and interpreting the tests, and shall state in each report whether or not the test specimens comply with the specified requirements, and shall indicate any deviations therefrom.

Concrete shall be sampled and tested for quality control during the placement of concrete as follows:

Sampling Fresh Concrete: ASTM C172, except modified for slump to comply with ASTM C94.

Slump: ASTM C 143; one test for each concrete load at point of discharge and one for each set of comprehensive strength test specimens.

Air content: ASTM C 231, pressure method; one for each set of compressive strength test specimens.

Compressive Strength: ASTM C 39, one set of five cylinders for each 50 cu yds or fraction thereof; 2 specimens tested at 7 days, 2 specimens tested at 28 days, and one retained for later testing, if required.

If the increments of placement would provide less than 4 strength tests for the project, testing shall be conducted from at least 4 randomly selected batches, or from each placement if fewer than 4 are used.

Report test results in writing to the Owner and Contractor on same day tests are made.

Placing:

Construct formwork so that concrete members and structures are of correct size, shape, alignment, elevation and position, complying with ACI 347.

Provide openings in formwork to accommodate work of other trades. Accurately place and securely support items built into forms.

Clean and adjust forms prior to concrete placement. Apply form release agents or wet forms, as required. Retighten forms after concrete placement if required to eliminate mortar leaks.

Position, support and secure reinforcement against displacement. Locate and support with metal chairs, runners, bolsters, spacers and hangers, as required. Set wire ties so ends are directed into concrete, not toward exposed concrete surfaces.

Install welded wire fabric in as long lengths as practicable, lapping at least one mesh.

Provide construction and control joints as indicated or as approved. Locate construction joints so as to not impair the strength and appearance of the structure. Place control joints in slabs-on-ground to stabilize differential settlement and random cracking.

Comply with ACI 304, placing concrete in a continuous operation within planned joints or sections. Do not begin placement until work of other trades affecting concrete is completed. Deposit concrete as nearly as practicable to its final location to avoid segregation due to rehandling or flowing. Handle concrete from the point of delivery to the locations of final deposit as rapidly as practicable, using conveying methods which will prevent segregation or loss of concrete mix materials.

Consolidate placed concrete using mechanical vibrating equipment supplemented by hand-spading, rodding or tamping, so that concrete is worked around reinforcement and other embedded items and into all parts of forms. Do not use vibrators to transport concrete inside of forms. Vibrate concrete evenly and uniformly throughout the placement area, but limit the

duration of vibration to the time necessary to consolidate the concrete and complete embedment of reinforcement and other embedded items without causing segregation of the mix. Vibration of forms and reinforcing will not be permitted.

Protect concrete from physical damage or reduced strength due to weather extremes.

In cold weather, comply with ACI 306.

In hot weather, comply with ACI 305.

Finishing

Provide a smooth finish for exposed concrete surfaces and surfaces that are to be covered with a coating or covering material applied directly to concrete. Remove fins and projections, and patch defective areas with cement grout.

Apply preliminary float finish and steel trowel finish to monolithic slab surfaces that are exposed-to-view or are to be covered with resilient, paint or other thinfilm coating. Consolidate concrete surface by hand troweling, free of trowel marks, uniform in texture and appearance, and level.

After floating, begin first trowel finish operation using a power-driven trowel. Begin final troweling when surface produces a ringing sound as trowel is moved over surface. Consolidate concrete surface by final hand-troweling operation, free of trowel marks, uniform in texture and appearance, and with a surface plane tolerance not exceeding 1/4" maximum overall deviation. Grind smooth surface defects which would telegraph through applied floor covering system.

Work edges of slabs, gutters and other formed joints with an edging tool, to a 1/2" radius. After troweling, provide a non-slip surface by drawing a stiff-bristled broom perpendicular to the line of traffic, as acceptable to the Owner.

Finishing Concrete Drives and Walks: After striking-off and consolidating smooth the concrete surface by screeding, floating and steel troweling. Work edges of a slabs, gutters and other formed joints with an edging tool, to a 1/2" radius. After troweling, provide a non-slip surface by drawing a stiff-bristled broom perpendicular to the line of traffic, as acceptable to the Owner.

Begin initial curing as soon as free water had disappeared from exposed from exposed surfaces. Where possible, keep continuously moist for not less than 72 hours. Continue curing by use of moisture-retaining cover. Cure formed surfaces by moist curing until forms are removed. Provide protections as required to prevent damage to exposed concrete surfaces.

END OF SECTION 03300

DIVISION 4: MASONRY

SECTION 04200: UNIT MASONRY

General: Furnish and install all masonry work as indicated on the drawings and as specified herein.

Comply with the recommendations of Brick Institute of America (BIA, formerly SCPI) and National Concrete Masonry Association.

Materials: Face brick shall conform to ASTM C 216, Grade SW, cored or solid. Face brick number 1 shall be Monticello Blend #33-200 standard size (2 1/4"x8"x3 5/8") and face brick number 2 shall be Wire Cut Light Gray #10-933, modular size (2 1/4"x7 5/8"x3 5/8") both as manufactured by Merry Bros. Brick Co. or equal alternate. Merry Bros. Brick Co., (Division of Boral Bricks, Inc.) Augusta, GA, (706)722-6831.

Provide solid brick at jambs, and any other necessary shapes, where shown and as required.

Building (Common) Brick shall conform to ASTM C 62, Grade SW, cored or solid, color. Brick with magnesium will not be acceptable.

Mortar and Grout: Face brick mortar, provide bond strength of not less than 35 PSI between the mortar and the selected face brick when tested in accordance with ASTM E518.

Prior to ordering materials for the Work, deliver sufficient quantities of materials proposed for exterior wall mortar types to the testing laboratory to enable mortar design.

Mortar Design Mix: For exterior wall mortar (each type, if more than one type) obtain a laboratory design mix conforming to the Specification requirements utilizing the materials proposed for the Work. Substantiate the mix design with laboratory mix and the selected face brick tested in accordance with ASTM E518. Bond strength shall be not less than 35 PSI.

Provide colored pigmented mortar in face brick construction. Color will be Solomon Grind-Chem Service "10H" light buff or Boral mortar color #AOT, light buff.

Additive for Non-Shrink Grout shall be metallic aggregate, prepared and graded to counteract shrinkage and reduce permeability of Portland cement grout; Master builders' "Embeco", or approved equal.

Miscellaneous masonry anchors shall be fabricated from 16-gauge steel sheet or 3/8" steel rod,

1.5-oz. hot-dip zinc coating after fabrication.

Thru-wall flashing shall be copper sheet, 3 oz. per sq. ft., bonded with asphalt between 2 layers of glass fiber cloth of one of the following:

Afco Products Inc., Copper Fabric.

York Manufacturing, Inc.: York Copper Fabric Flashing.

Provide cotton sash cord for weepholes, of length required to produce 2" exposure on exterior and 18" of cavity between wyths.

Samples: Submit samples of face brick to the Owner for color selection. Samples shall accurately represent the range of color and texture. Include prices of brick with submission of samples.

Submit color chart of manufacturer's available colored mortars for Owner's initial selection.

Workmanship

Lay brick and other solid masonry units with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints, and shove into place. Do not slush head joints.

Face brick shall be laid in common ("running") bond, unless otherwise called for on the drawings, with colored masonry mortar.

Construct brick soldier courses, sloped rowlock sills, brick caps and other special details in face brick construction as shown. All such special pattern work shall be accurately placed and carefully installed. Mortar setting beds for sloped rowlock sills shall be as called for.

Install cotton cord weep holes at the base of exterior composite veneer walls and above shelf angels and lintels, space 2'-0" o. c. unless otherwise shown on the drawings.

Construct masonry control joints at locations shown, which shall be sealed with materials specified in Section 07900.

END OF SECTION 04200

DIVISION 5: METALS

SECTION 05120: STRUCTURAL STEEL

General

Furnish and install all structural steel indicated on the drawings and as specified herein, as required for structural use as well as for miscellaneous or ornamental use.

Comply with applicable provisions of AISC "Code of Standard Practice for Steel Buildings and Bridges"; AISC "Specifications for the Design, Fabrication, and Erection of Structural Steel for Buildings" including "Commentary"; AWS "Code for Welding in Building Construction"; except as otherwise indicated.

Cold-formed steel framing supporting sloped roof areas is as indicated on the drawings.

Submittals

Submit original shop drawings (1 sepia, plus 4 prints) prepared under the direct supervision of a Professional Engineer registered in the State of the project. Shop drawings shall be original work and shall not be contract structural drawings reproduced and/or modified into shop drawings. Shop drawings shall include complete details and schedules for fabrication and assembly of structural steel members. Indicate welds by standard AWS A2.1 and A2.4 symbols. Provide setting drawings, templates, and directions for installation of anchor bolts and other anchorages to be installed as work of other sections.

Materials

Steel plates, shapes and bars shall conform to ASTM A 36.

Tubular Steel Items: Square and rectangular, ASTM A 501; cold-formed, ASTM A 500, Grade B; steel pipe, ASTM A 53, Type E or S, Grade B.

Fasteners shall be high-strength bolts and nuts, ASTM A 325-N

Anchor bolts, ASTM A-307.

Shop paint shall conform to FS TT-P-86, Type II, or SSPC-Paint 14.

Fabrication

Comply with AISC "Specifications" and final shop drawings. Mark and match-mark units for field assembly.

Provide base plates, anchor bolts with leveling nuts, wind bracing members, and all other accessories shown or required to produce a complete and finished installation of structural steel.

Connections shall be as shown on final shop drawings. In general use welded connections for shop work and high-strength bolts or welding for field connections as called for on the approved shop drawings.

Comply with AWS Code for procedures, appearance, and quality of welds, both shop and field.

Fabricate structural steel members to provide holes for securing other work and for passage of other work through steel framing.

Paint structural steel work, except members of portions of members embedded in concrete or mortar, and contact areas to be welded or riveted. Clean steel free of loose mill scale, rust, oil and grease. Apply prime paint to provide a minimum dry film thickness of 1.5 mil.

Erection

Comply with AISC Code and Specifications, and maintain work in safe and stable conditions during erection. Provide temporary bracing and shoring as required; remove when final connections are placed.

Set base plates on cleaned bearing surfaces, using wedges or other adjustments as required. Solidly pack open spaces with bedding mortar, consisting of commercial non-shrink grout materials as specified in Division 4.

Splice members only where shown on final shop drawings.

Touch-up prime paint after erection. Clean field welds, bolted connections and abraded areas, and apply same type paint as used in shop, or an oxide metal primer approved by the Owner which is compatible with the shop coat.

Inspection where required by local ordinances

The general contractor will employ the services of an independent testing laboratory to determine that structural connections are in compliance with the requirements of the Contract Documents. Any areas of non-compliance shall be corrected by the Contractor at his own expense, and the areas shall be retested. The Owner will pay all testing charges of the testing laboratory, but the Contractor shall bear all other costs in connection with preparation for and

conducting of the structural testing.

END OF SECTION 05120

SECTION 05700: ORNAMENTAL METALS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

The type of ornamental metals required include the following:
oak rails and brass fittings

Shop Drawings: Show complete details and instructions for fabrication, assembly, and installation. Furnish anchor bolts required for installation in other work; furnish templates for bolt installation.

Brass and oak railings and handrails

- A. Provide and install brass and oak railings as detailed. Brass fittings shall be standard stanchion, flush cross, wall flange, ball, and miscellaneous fittings to receive 2" oak horizontals. Fittings by SHIP 'N OUT, LAWRENCE, BRASS SMITH or an approved equal will be acceptable. Preassembly is available through Brass Smith
2625 Walnut Street
Denver, CO 80205
(800)662-9595
(303)296-8520
Benny Martinez
- B. All fasteners used to secure brass fittings shall be brass to match the fittings.
- C. Oak horizontal rails shall be 2" diameter to fit snugly in the brass fittings. Rails shall be clear red oak to match the balance of the running and standing trim and to receive Benjamin Moore "Early American" finish #241-59.
- D. 1½" Brass handrails at steps and 1½" brass handrails at ramp shall be constructed as detailed using brass tube, brass wall brackets, and brass end fittings. The height and extension of the handrail shall be verified to comply with the building code prior to installation.
- E. On brass stanchions use either welded construction or "liquid weld" and a brass set screw. "Liquid weld" is available from Brass Smith.
- F. Secure all horizontal rails with brass set screw drilled at 45 degrees from horizontal on lower side of fitting.

END OF SECTION 05700

DIVISION 6: WOOD AND PLASTICS

SECTION 06100: ROUGH CARPENTRY

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Lumber Standard: Am. Softwood Lumber Std. PS 20 (U.S. Dept. Comm.), S4S, 19% moisture at time of dressing, except as otherwise indicated.

Light Framing (4x4 Max.): "Standard" grade, any species.

Concealed Board Lumber: Southern Pine "No. 3" (SPIB), or any species "Standard" (WWPA). (Fire retardant treated. If required by local building code officials).

Plywood Standard: Softwood plywood - Construction and Industrial PS 1 (U.S. Dept. Comm.), APA rated type and grade as indicated and required by given condition. Fire retardant treated.

Plywood Sheathing, Decking, and Plywood Backing for Electrical and Telephone Equipment: APA C-D PLUGGED INT with exterior glue, thickness as indicated.

Fasteners and Anchorage: Of size, type, material and finish suited to application shown and complying with applicable standards including FS FF-N-105 and FF-W-92 and ANSI B18.6.1. Provide metal hangers and framing anchors of size and type recommended for intended use by manufacturer. Hot-dip galvanize fasteners and anchorages for work exposed to weather, in ground contact and high relative humidity to comply with ASTM A153.

Preservative Pressure-Treated Wood: AWPB LP-2, pressure-treated with water-borne preservatives. Treat nailers, blocking and similar items in conjunction with roofing and flashing.

Treat sills, nailers, blocking, furring, stripping and similar items in direct contact with masonry and concrete.

Fire Retardant Treated Wood: AWPB C-20 for flame spread less than 25 complying with UL 723. All concealed wood framing & plywood (and blocking if required by local building code officials).

WOOD FRAMING, GENERAL

Provide framing members of sizes and on spaces shown, and frame openings as shown, or if not

shown, comply with recommendations of "Manual for House Framing" of National Forest Products Association (NFPA). Do not splice structural members between supports. All loadbearing lumber shall be grade marked.

Anchor and nail to comply with "Recommended Nailing Schedule" of "Manual for House Framing" and "National Design Specifications for Wood Construction" published by NFPA.

Firestop concealed spaces of wood framed walls and partitions at the ceiling line. Where firestops are not automatically provided by the framing system used, use closely-fitted wood blocks of nominal 2" thick lumber of the same width as framing members.

STUD FRAMING

General: Provide blocking nailers of size and spacing indicated. If not otherwise indicated, provide 2"x4" FRT wood.

Plates: Provide single bottom and top plates nailers using 2" thick members with widths equaling that of studs. Nail or anchor plates to supporting construction.

Construct corners and intersections Provide blocking and framing as shown and as required for support of facing materials, fixtures, specialty items and trim.

Provide continuous horizontal blocking as indicated on drawing and at mid-height of partitions over 8' high, using 2" thick members of same width as wall or partitions.

Frame openings provide ex nailers as indicated on drawings.

INSTALLATION OF CONSTRUCTION PANELS

General: Comply with applicable recommendations contained in Form No. E 30F "APA Design/Construction Guide - Residential & Commercial", for types of construction panels and applications indicated. (Fire retardant treated).

Fastening Methods:

1. Sheathing: screw to framing
2. Plywood Backing Panels: screw to supports

Carpentry Installation:

Standards: Except as otherwise indicated, comply with "Manual of House Framing" by Nat. Forest Prod. Assoc., including nailing, firestopping, anchorage, framing and bracing.

Install plywood in accordance with the recommendations of the American Plywood Association (APA).

END OF SECTION 06100

SECTION 06400: ARCHITECTURAL WOODWORK

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Extent of each type of architectural woodwork is shown on the drawings and specified herein:

The types of architectural woodwork include, but are not necessarily limited to the following:

- Interior wood door and window frames, stools and trim.
- Standing and running trim, and milled trim.
- Interior bead board siding and wainscot.
- Hardwood treads and risers.
- FRP paneling.
- Plastic laminate casework and tops including Hostess Station, Waitress Stations, linen storage cabinet, and office countertop.
- Sound System Shelf.
- Solid surface vanities and tops.
- Liquor Storage shelving.
- Office casework.

See drawings for extent of work to be supplied and installed by others.

Standards: Comply with applicable requirements of the following:
"Architectural Woodwork Quality Standards" by AWI.

Shop Drawings: Submit shop drawings for each item of architectural woodwork.

Samples: Submit finished samples of each wood species and cut indicated for transparent finish; of each material indicated for opaque finish.

Quality Standards: For following types of architectural woodwork, comply with indicated standards as applicable:

- | | |
|----------------------------|-----------------|
| Standing and Running Trim: | AWI Section 300 |
| Wood Shelving: | AWI Section 600 |
| Miscellaneous Work: | AWI Section 700 |

Casework, Countertops: AWI Section 400
Door and Window Frames: AWI Section 900A

Design and Construction Features: Comply with details shown for profile and construction of architectural woodwork; and, where not otherwise shown, comply with applicable Quality Standards, with alternate details as Fabricator's option.

Pre-Cut Openings: Fabricate architectural woodwork with precut openings, wherever possible, to receive plumbing fixtures and similar items. Locate openings accurately and use templates of roughing-in diagrams for proper size and shape. Smooth edges of cutouts and, where located in countertops and similar exposures, seal edges of cutouts with a water-resistant coating.

Measurements: Before proceeding with fabrication of woodwork required to be fitted to other construction, obtain measurements and verify dimensions and shop drawing details as required for accurate fit.

Plastic Laminate: High pressure decorative laminate complying with NEMA LD 3, in color, pattern and finish indicated, or, if not indicated, as selected by Architect from manufacturers' standard products.

Solid Surfacing: Shall be 1/2" thick manufactured by DuPont or Gibraltar. Color for DuPont Corian to be Sierra Sandstone. Color for Gibraltar to be D437-MG Puma Mirage.

Standing and running and milled trim, interior window and door frames for Transparent Finish: AWI Custom grade, kiln dried, Red Oak in sizes and profiles indicated.

Interior tongue and groove siding (Bead Board) for Dark Stain Finish: AWI Custom grade, kiln dried, clear yellow pine in sizes and profiles indicated. Knots will not be acceptable.

Interior milled crown mouldings for Transparent Finish: AWI Custom grade, kiln dried, red oak in sizes and profiles indicated. Kull for minimum color variation.

Interior Milled Base for Dark Stain Finish: AWI Custom grade, kiln dried red oak in size and profiles indicated.

Hardwood Treads and Risers: AWI Premium grade Red Oak by Harris Mfg. Co. or an approved mill, natural for dark stain finish in shapes and profiles indicated. See section 09900 for finishing requirements of stairs.

All above materials are available through:
Turner & Thomas Millwork
2288 Green Hill Road

Lugoff, SC 29078
(803)438-5239

Office Casework: AWI Custom grade, birch plywood, edge banded. Casework may be flush overlay or reveal overlay construction at builder's option.

F.R.P. Paneling: Fiberglass reinforced plastic panel system complete with all vinyl moldings and trim, adhesive and sealant, meeting the following minimum requirements unless more stringent requirements are imposed by applicable codes:

Flame Spread - Less than or equal to 200
Smoke Developed - Less than or equal to 450
Color - Natural Almond with wrinkle finish
Thickness - 0.09 inches

Install in accordance with manufacturer's instructions. Do not use drive rivets in field of panels. Set in full bed of adhesive applied with notched trowel. Use care to assure full coverage, particularly at base of panels. Use silicone sealant only (not vinyl molding) where base of panel abuts top of quarry tile base.

Acceptable manufacturers:

BP Chemicals, Inc. - Tufliner 8101 - (800)443-4566
Kemlite - Glasbord - P - (800)435-0080
Marlite - Class C FRP - 216/364-7561

Hardware and Accessory Materials: Provide cabinet hardware and accessory materials, including shelving standards to comply with requirements indicated for design, material, finish, manufacturer, etc.

Installation: Install architectural woodwork plumb, level and straight with no distortion. Shim as required using concealed shims. Scribe and cut woodwork to fit adjoining work. Anchor woodwork to anchors or blocking or directly to substrates, using concealed fasteners.

Standing and Running Trim: Install with minimum number of joints possible using full-length pieces from maximum length of lumber available. Cope at returns, miter at corners.

Casework: Install without distortion so that doors and drawers fit openings and are properly aligned.

Countertops: Anchor securely to base units.

Bar Assembly: Construct the wall; countertop and upper cabinets are by others.

Wood Storage Shelving: Complete assembly of units and install in areas indicated including hardware and accessories.

ADJUSTMENT, CLEANING, FINISHING AND PROTECTION:

Repair damaged and defective woodwork wherever possible to eliminate defects functionally and visually; where not possible to repair properly, replace woodwork. Adjust joinery for uniform appearance.

Clean woodwork on exposed and semi-exposed surfaces.

Refer to Section 09900 for final finishing of installed architectural woodwork.

Protection: Installer of architectural woodwork shall advise Contractor of final protection and maintained conditions necessary to ensure that work will be without damage or deterioration at time of acceptance.

END OF SECTION 06400

DIVISION 7: THERMAL AND MOISTURE PROTECTION

SECTION 07180: MOISTURE BARRIER

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Submittals: Manufacturer's standard specifications.

Moisture barrier under concrete floor slabs to be polyethylene sheet, minimum 6 mil thickness, "Visqueen" or approved equal. Install in accordance with manufacturer's recommendations. Do not install moisture barrier until all under slab work is completed. Inspect and repair moisture barrier just before concrete is poured.

END OF SECTION 07180

SECTION 07510: SINGLE PLY ROOFING

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Extent of roofing is shown on the drawings and specified herein.

Work to include all required roofing including all curbing and flashing.

Coordinate with mechanical and plumbing contractors for curb and penetration requirements.

QUALITY ASSURANCE: Subcontract the roofing and associated work to a single firm, called the Installer in this section, specializing in the type of roofing required, so that there will be undivided responsibility for the performance of the work.

JOB CONDITIONS:

Proceed with roofing work only after substrate construction and penetration work have been completed.

Pre-roofing Conference: Meet at the project well in advance of the time scheduled for roofing work, and review requirements for the work and conditions which could possibly interfere with

successful performance of the work. Require every party who is concerned with the work, or required to coordinate with it or to protect it thereafter, to review requirements of the work.

Weather Conditions: Proceed with roofing work only when weather conditions are in compliance with manufacturer's recommended limitations, and when conditions will permit the work to proceed in accordance with requirements and the manufacturer's recommendations.

SINGLE PLY ROOFING SYSTEM:

Provide all labor, material, and equipment required to install the single ply roofing system.

Roofing system: One of the following mechanically attached single ply roofing systems. The installation shall qualify for a UL Class A rating.

- A. Duro-Last, Inc., 37 mil CPA
- B. Bondcote Roofing Systems, 40 mil NBP
- C. JPS Elastomerics Corp., 45 mil CSPE (Hypalon)
- D. Burke Industries, 45 mil CSPE (Hypalon)

Additional requirements:

- A. The applicator shall be licensed and authorized by the manufacturer to install the product and shall furnish written evidence to that effect.
- B. Compatibility with the actual rigid insulation system supplied shall be verified by the applicator prior to installation of the roof insulation.
- C. Flashing material shall be of the same fabric as the roofing membrane, unless specified as a thicker material by the manufacturer.
- D. Fasteners shall be screw and plate type as recommended and approved by the manufacturer of the roofing membrane.

Installation:

- A. Inspect the surface of the installed insulation board. The substrate shall be clean and free of gaps and irregularities. No more insulation shall be installed than can be covered by the end of the day or before the onset of adverse weather conditions.
- B. Install the single ply roofing membrane using mechanical fasteners in accordance with the instructions of the manufacturer.
- C. Install factory pre-fabricated base flashings, parapet flashings, and curb flashings in accordance with the manufacturer's instructions.
- D. Apply single ply roofing membrane over the inside face of the exposed parapet wall and mechanically attach or adhere the membrane to the wall as approved by the manufacturer of the membrane material. The membrane shall extend over the top of the wall and be mechanically fastened in a solid bed of mastic in accordance with the

manufacturer's recommendations.

- E. Joints in the roofing membrane shall be hot-air welded. In addition, joints may be sealed if so specified by the manufacturer.
- F. Provide pre-fabricated membrane flashing for pipes, conduit, refrigerant lines, and vents which penetrate the single ply roofing in accordance with manufacturer's recommendations.
- G. Provide walk pad material around service sides of roof top units and at roof hatch. Use only walk-pad materials recommended by roof membrane manufacturer. If walk pads are provided of a different size than shown on the roof plan, provide pads of an equivalent area.

Submittals:

- A. Submit the manufacturer's standard data and installation instructions for the roofing system to the Architect for approval. If some components are supplied by a manufacturer other than that of the membrane, submit information on those components for approval also. Submit information on all fasteners for approval.

Guarantees:

- A. Provide a minimum 15 year No Dollar Limit material and labor warranty. The warranty shall be issued by the manufacturer of the membrane system.

END OF SECTION 07150

SECTION 07600: FLASHING AND SHEET METAL

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Fabricated Sheet Metal:

Conform to profiles and sizes shown, and comply with "Architectural Sheet Metal Manual" by SMACNA, for each general category of work required.

Sheet Metal Copings

Metal flashing and counter flashing

Provide 26 ga. galvanized sheet steel copings. Metal shall be paint grip quality. Joints in coping shall have overlay covers, not overlap joints. Secure covers with cleats. No exposed fasteners will be allowed. Corners of copings will be shop fabricated or field fabricated with lock seams

or welded joints. Overlapped joints at corners will not be acceptable. Copings shall not depend on roofer's cement for water-tightness.

Provide 26 ga. galvanized counter flashings where indicated.

Installation:

Anchor work in place with noncorrosive fasteners, adhesives, setting compounds, tapes and other materials and devices as recommended by manufacturer of each material or system. Provide for thermal expansion and building movements. Comply with recommendations of "Architectural Sheet Metal Manual" by SMACNA.

Seal moving joints in metal work with elastomeric sealants.

Performance: Water-tight/weatherproof performance of flashing and sheet metal work is required.

END OF SECTION 07600

SECTION 07700: ROOF SPECIALTIES AND ACCESSORIES

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Extent of roof hatches and condensing unit equipment curbs is indicated on drawings and by provisions of this section.

Standards: Comply with SMACNA "Architectural Sheet Metal Manual" details for fabrication of units, including flanges and cap-flashing to coordinate with type of roofing indicated. Comply with "NRCA Roofing and Waterproofing Manual" details for installation of units.

Prefabricated Roof Curbs: For rooftop condensing unit curbs, provide prefabricated galvanized steel curbs in lengths indicated.

Manufacturer: Pate model ES-2 or equal product of other manufacturer. The Pate Company, (800)243-3018.

Installation: Mount curbs on steel angle supports and install steel shims or wood blocking from top of support angles to bottom of steel deck as indicated.

END OF SECTION 07700

SECTION 07900: JOINT SEALERS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Extent of each form and type of joint sealer is indicated on drawings and by provisions of this section.

The applications include, but are not necessarily limited to, the following:

- Interior tile joints.
- Window and door frame perimeters.
- Interior wall/ceiling joints.
- Sealing countertops and plumbing fixtures.
- Top of base at bead board.
- Base of columns at sills of low walls.
- Top of awnings to face of wall.
- Top of chair rail.
- Door casings and window casings.
- Bottom of wood base sitting on paver tile.

Submittals: Provide product data and standard color selection chart.

Compatibility: Provide joint sealers, joint fillers and other related materials that are compatible with one another and with joint substrates under service and application conditions as demonstrated by testing and field experience.

Elastomeric Sealants:

2-Component Polyurethane Sealant: FS TT-S-00227, Class A, Type 1 (self-leveling), except Type 2 where joints are not horizontal.

Mildew-Resistant Silicone Rubber Sealant: Silicone rubber-based, one-part elastomeric sealant, complying with FS TT-S-0021543, Class A; compounded specifically for mildew resistance and recommended by manufacturer for interior joints in wet areas; passing ANSI A136.1 test for mold growth.

Silicone Sealant: One-part nonacid-curing silicone sealant complying with ASTM C920; Type S, Grade NS, Class 25, for uses indicated.

Non-Elastomeric Sealants and Caulking Compounds:

1-Component Acrylic Sealant: FS-TT-S-00230, Class B, Type II, solvent based, solids 95% acrylic.

Miscellaneous Fillers and Joint Materials: Manufacturers recommended joint primer/sealer, bond breaker tape and sealant backed rod.

Installation: Clean joint surfaces prime and apply per sealant manufacturer's printed installation instructions applicable to products and applications indicated.

Schedule of Sealants: The following schedule indicates the locations where sealants are to be installed in exterior building wall joints and interior joints. Refer to drawings for additional locations.

Two-Component Polyurethane Sealant:

Horizontal joints in pavements and tile floors.

One-Component Acrylic Sealant:

Window and door frame perimeters. (exterior)
Flashing reglets and joints

Mildew-Resistant Silicone Rubber Sealant: (interior use only)

Prefinished wall panels (FRP) and wall base intersections. (clear)
Lavatory countertops (as required) (off white)
Joints at plumbing fixtures, sinks, lavs., etc. (white)
At perimeter ceiling grid at (FRP). (clear)

Silicone Sealant (clear):

Top of Awnings to face of wall
At top of wood base, base of columns sitting on low walls, top of chair rails, door casings and window casings.
Hollow metal to drywall and masonry.
Bottom of wood base sitting on paver tile.

END OF SECTION 07900

DIVISION 8: DOORS, WINDOWS AND GLASS

SECTION 08100: HOLLOW METAL WORK

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Standards: Comply with Steel Door Institute "Recommended Specifications for Standard Steel Doors and Frames" (SDI-100) - Steelcraft, Ceco, Amweld, Republic or Curries.

Submit: Shop drawings and manufacturer's standard details and specifications.

Fire-Rated Assemblies: Provide units that display appropriate UL or FM labels for fire-rating indicated.

Doors: Thickness and type: 1 $\frac{3}{4}$ " thick seamless flush doors with 14 gage lock and hinge rails.

Interior doors: 20 gage ASTM A 366 or A 568 cold-rolled steel.

Exterior doors: Insulated 16 gage zinc-coated steel complying with ASTM A526 or drawing quality, ASTM A 642, hot dipped galvanized in accordance with ASTM A 525, with A 60 or G60 coating designation, mill phosphatized.

Frames: Type: welded construction with mitered corners.

Interior frames: 16 gage.

Exterior frames: 16 gage, galvanized as for exterior doors.

Anchors and Accessories: Manufacturer's standard units. Use galvanized item for units built into exterior walls, complying with ASTM A153. Provide rubber silencers in all door frames.

Fabrication: Fabricate units to be rigid, neat in appearance, and free from defects, warp or buckle. Weld exposed joints continuously, grind, dress, and make smooth, flush and invisible.

Prepare steel doors and frames to receive mortised and concealed finish hardware, including cutouts, reinforcing, drilling and tapping, complying with ANSI A115 "Specifications for Door and Frame Preparation for Hardware".

Shop paint exposed surfaces of hollow metal units, including galvanized surfaces, using manufacturer's standard baked on rust inhibitive primer.

Provide galvanized louvers for doors as indicated, prime painted.

Installation: Install hollow-metal units in accordance with manufacturer's instructions and final shop drawings (if any). Fit doors to frames and floors with clearances specified in SDI-100. Install fire-rated units in accordance with NFPA Std. No. 80.

Note: The above materials are in stock and can be obtained under a national account program from:

Girtman - McDougall Corporation
2701 Delaware Avenue (P.O. Box 90447)
Nashville, TN 37209
Charles Girtman, Paula Stinson
(615)320-5522 (615)321-5859 (fax)

END OF SECTION 08100

SECTION 08210: WOOD DOORS AND SIDELIGHTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Furnish all wood doors indicated and specified herein in accordance with NWMA and AWI quality standards. Install in accordance with manufacturer's instructions. Provide a 2-year warranty.

Standards: Comply with requirements of ANSI/NWMA I.S. 1 and Section 1300 of AWI "Architectural Woodwork Quality Standards" except as otherwise indicated.

Warranty: Provide 2-year warranty.

Materials:

Exterior and Interior Solid Core Stile and Rail Doors and Sidelites for Transparent Finish:

Species: clear red oak

Grade: Premium

Core Construction: Stile and rail, dowel construction only, no exception.

Glazing: Provide ¼" clear tempered glass inserts and raised wood panels of stile and profiles indicated.

Manufacturer:

Turner & Thomas Millwork
2288 Green Hill Road

Lugoff, SC 29078
(803)438-5239

Stiles and Top Rail: Not less than 5 3/8" wide.

Bottom Rail: Not less than 9 3/8" wide.

Job Site Finished Doors: See painting sections in Division 9 of these specifications for requirements for finishing wood doors.

Installation:

Job-Fit Doors: Fit doors to frames with uniform clearances and bevels to dimensions indicated in referenced standards. Machine doors for hardware indicated. Seal cut surfaces after fitting and machining.

Note: The above materials are in stock and can be obtained under a national account program from:

Girtman - McDougall Corporation
2701 Delaware Avenue (P.O. Box 90447)
Nashville, TN 37209
Charles Girtman, Paula Stinson
(615)320-5522 (615)321-5859 (fax)

END OF SECTION 08210

SECTION 08700: BUILDERS HARDWARE

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

General Hardware Requirements:

Furnish all finish hardware as required but not limited to butts, locksets, closures, stops, thresholds, silencers, weatherstripping, cylinders (master keyed), pushers, pulls, kick plates, panic exit devices, etc. Provide panic hardware in accordance with local code requirements.

Submit Final Hardware Schedule organized by "Hardware Sets" to indicate to specifically the product to be furnished for each item required on each door.

For fire-rated openings provide UL tested and listed hardware (NFPA Standard 80).

Finish and Base Material Designations: Finishes: 26D in backhouse; US3 in Public Areas.

Hardware Mounting Heights: Door and Hardware Institute "Recommended Locations for Builders Hardware".

Manufacturer's Reference List:

Hinges: Stanley, McKinney, Hager (full mortise NRP at exterior doors.)

Locks: Sargent; Russwin Corbin (orbit style; 6 pin cylinder) in functions indicated or required.

Overhead Closers: (heavy duty type) LCN, Sargent, Russwin, Dorma (mount closers with matching screws and grommets bolted thru door) (covers and arms to be US3. Field painting not acceptable).

Stops and Holders: Sargent, Ives, Hager, Rockwood.

Push/Pull/Kick/Flush Bolts: Triangle Brass, Quality, Hager, Rockwood.

Thresholds: Zero, National Guard, Hager, American Safety Tread, Pemko.

Alarmed Exit Devices: Alarm Lock, Detex.

Exit Devices: Sargent, Von Duprin, Precision Hardware, Inc. (per code requirements).

Weatherstripping: Zero, National Guard, Hager, Pemko.

Size and mount units to comply with manufacturer's recommendations for the exposure condition. Reinforce the substrate as recommended.

Install each hardware item to comply with manufacturer's instructions and recommendations.

Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant. Remove excess sealant and clean adjacent surfaces.

Provide construction cylinders only in locksets. Permanent locksets will be furnished and installed by Owner. Construction cylinders to remain in place until Owner recores them.

Keying: Keying to be as directed by Owner's instruction. Provide keys in quantities to be established by Owner.

HARDWARE SCHEDULE:

<u>Group A: Doors I</u>				
3	EACH	HINGE	FBF179 4½ x 4½ NRP US3	STANLEY
1	EACH	CLOSER	7600/4600 DS SN1 FCOV US3	DORMA
1	EACH	EXIT DEVICE	9898 US3	SARGENT
1	EACH	CYLINDER	34 6PIN US3	SARGENT
1	EACH	PUSH PLATE	30S 3" x 12" US3	HAGER
1*	EACH	PULL PLATE	30S 3 ½" x 15" US3 NL	HAGER
		W/CYLINDER HOLE (1-¼")		

1	EACH	PULL	4G US3	HAGER
1	EACH	THRESHOLD	324 x 36" 10-24 MS & LA	NATIONAL GUARD
2	EACH	KICKPLATE	#190S 8x34 US3 NL	HAGER
1	EACH	WEATHERSTRIP	110NDB 1/36"x2/84"	NATIONAL GUARD
1	EACH	SILL	116N 36" AL	NATIONAL GUARD

* Coordinate cylinder cut out with panic device.

Group B: Door 2

3	EACH	HINGE	FBB179 4½ x 4½ US3	STANLEY
1	EACH	CLOSER	7600/4600 DS SN1 FCOV US3	DORMA
1	EACH	PUSH PLATE	30S 3" x 12" US3 NL	HAGER
3	EACH	PUSH BARS	2201 x 32" x TB US3 NL	QUALITY
1	EACH	PULL	34G 3½" x 15" US3 NL	HAGER
2	EACH	KICKPLATE	#190S 8 x 34 US3 NL	HAGER
3	EACH	SILENCERS	307D GREY	HAGER

Group C: Door 3

3	EACH	HINGE	FBB179 4½ x 4½ NRP US3	STANLEY
1	EACH	CLOSER	7600/4600 PA SN1 FCOV US3	DORMA
1	EACH	EXIT DEVICE	9898US3	SARGENT
1	EACH	CYLINDER	34 6PIN 26D (for Detex)	SARGENT
1	EACH	EXIT ALARM	EA500 AL	DETEX
1	ONLY	THRESHOLD DR. 4	324 X 36" 10-24 MS & LA	NATIONAL GUARD
1	ONLY	THRESHOLD DR. 14	896 X 36" 10-24 MS & LA	NATIONAL GUARD
2	EACH	KICKPLATE	#190S 8 X 34 US3 NL	HAGER
1	EACH	WEATHERSTRIP	110NDB 1/36"x2/84"	NATIONAL GUARD
1	EACH	SILL	116N 36"	NATIONAL GUARD
1	EACH	WALL STOP	236W US32 D	HAGER
		(DOOR 14 ONLY)		

NOTE: Detex Alarm is shipped with a sign "Emergency Exit Only, Alarm will Sound".
Mount this sign in a conspicuous location.

Group D: Door 4

1	EACH	HINGE	ROTON 780-224 HD	HAGER
1	EACH	PULL PLATE	4110-4 x US26D	QUALITY
1	EACH	VIEWER	698 B26D	IVES
1	EACH	CYLINDER	34 6PIN US26D (for Detex)	SARGENT
1	EACH	EXIT DEVICE	9898 US26D	SARGENT
1	EACH	CLOSER	7600/4600 PA SN1 AL	DORMA
1	EACH	THRESHOLD	815M - 5"	AMER. SAFETY TREAD
1	EACH	WEATHERSTRIP	160A 1/44"x2/84" US28	NATIONAL GUARD
1	EACH	SWEEP	101AV 44" US28	NATIONAL GUARD
1	EACH	KICKPLATE	#190S 36 x42 US32D	HAGER
		(Mount inside)		
1	EACH	REMOTE ALARM	EA2500 (FLUSH MOUNT) w/ transformer PP-5152-3	DETEX
1	EACH	MAGNETIC SWITCH	MS-2049F	DETEX
		(Mortise into head of door & frame)		

3	EACH	SILENCERS	307D GREY	HAGER
1	EACH	FLOOR STOP	267F US32D	HAGER
Group E: Door 5				
3	EACH	HINGE	FBB179 4½ x 4½ NRP 26 D	STANLEY
1	EACH	LATCHSET	6U15 OB 26D	SARGENT
1	EACH	DEADBOLT	485 26D	SARGENT
1	EACH	WALL STOP	236W 32D	HAGER
3	EACH	SILENCERS	307D GREY	HAGER
Group F: Door 6				
3	EACH	HINGE	FBB179 4½ x 4½ 26D	STANLEY
1	EACH	DEADBOLT	485 26D	SARGENT
1	EACH	LOCKSET	65G05 26D	SARGENT
1	EACH	FLOOR STOP	243F US32D	HAGER
3	EACH	SILENCERS	307D GREY	HAGER
Group G: Doors 7,8				
3	EACH	HINGE	FBB179 4½ x 4½ US3	STANLEY
1	EACH	CLOSER	7600/4600 PA SN1 FCOV US3	DORMA
1	EACH	PULL	34G 3½ x 15" US3 NL	HAGER
1	EACH	PUSH PLATE	30S 4" x 16" US3 NL	HAGER
1	EACH	WALL STOP	236W US3	HAGER
2	EACH	KICKPLATE	#190S 8 x 34 US3 NL	HAGER
3	EACH	SILENCERS	307D GREY	HAGER
Group H: Door 9				
3	EACH	HINGE	FBB179 4½ x 4½ NRP 26D	STANLEY
1	EACH	PASSAGE	6U15 OB US26D	SARGENT
1	EACH	DEADBOLT	485 26D	SARGENT
1	EACH	FLOOR STOP	243F 26D	HAGER
3	EACH	SILENCERS	307D GREY	HAGER
Group I Door 10				
3	EACH	HINGE	FBB179 4½ x 4½ 26D	STANLEY
1	EACH	CLOSER	7600/4600 PA SN1 AL	DORMA
1	EACH	LOCKSET	28-65U65 KL 26D	SARGENT
1	EACH	WALL STOP	236W US32D	HAGER
3	EACH	SILENCERS	307D GREY	HAGER
Group L:				
2	EACH	BAR DIVIDER	780	BRASS SMITH
8	EACH	COAT HOOK	815	BRASS SMITH

Coat hooks to be mounted at 5'6" AFF to bottom of hook on bar dining side on columns per detail SD-9. Bar divider to be located on bar per drawings B1-B4.

Note: The above materials are in stock and can be obtained under a national account program from:

Girtman - McDougall Corporation
2701 Delaware Avenue (P.O. Box 90447)
Nashville, TN 37209
Charles Girtman, Paula Stinson
(615)320-5522 (615)321-5859 (fax)

END OF SECTION 08700

SECTION 08800: GLASS AND GLAZING

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Extent of glass and glazing is shown on drawings and noted herein.

Types of glazing in this section include glass and glazing for:
Entrances, sidelights, transom and other doors, not indicated as "preglazed".

Prime Glass Manufacturer: One of the following for each type/color of glass:

ASG Industries, Inc.
C-E Glass Division
Ford Glass Company
Libbey-Owens-Ford Company
PPG Industries, Inc.

Standards: Provisions of this section are specified for general compliance with the following standards, which are applicable except as otherwise indicated:

Prime Nonprocessed Glass: FS DD-G-1403
Heat Treated Glass: FS DD-G-1403
CPSC Safety Glass: 16 CFR 1201.
ANSI Safety Glazing: ANSI Z97.1

Submittals: Submit manufacturer's product specifications and handling/installation/ protection instructions for each type of glass and glazing material required.

Glass Types and Qualities:

Float/Plate Glass: Quality q3; clear; thickness indicated, 1/4" if not otherwise indicated.

Tempered Glass: Provide prime glass type indicated, which has been treated to strengthen glass in bending to not less than 4.5 times annealed strength.

Transparent Mirror Glass: (Office door) 1/4" thick tempered transparent mirror glass designed to permit viewing out of kitchen but to limit or reduce visibility from kitchen into office.

Sealant-Type Glazing Materials:

General: Provide colors indicated or as selected by Architect, black if not otherwise indicated/selected. Except as otherwise indicated, comply with manufacturer's recommendations for selection of hardnesses and other product variations to meet compatibility requirements and project/installation circumstances.

Butyl Rubber Glazing Tape: Partly-vulcanized self-adhesive, non-staining, 98% solids, elastomeric performance for 35% compression; passing 3000-hr. Atlas Weatherometer test; plain or pre-shimmed, as required for installation.

Acrylic Sealant: FS TT-S-00230, Class B, Type II, solids 95% acrylic, solvent-based.

Gaskets and Miscellaneous Glazing Materials:

Molded Rubber Gaskets: ASTM D 2000, designation 28C 415 to 3BC 620, neoprene or EPDM, extruded or molded.

Setting Blocks: 70-90 durometer hardness; neoprene unless otherwise selected for compatibility.

Joint Cleaners, Primers, Sealers: Type recommended by manufacturer of sealants/gaskets for use on indicated glazing channel surfaces.

Glass Installation (Glazing):

General: Except as otherwise indicated, comply with glass manufacturer's instructions, glazing materials manufacturer's instructions, and "Glazing Manual" by FGMA and other technical publications of recognized authorities in the industry. Install each piece to achieve watertight and airtight performance, and to minimize breakage.

Clean channel surfaces and prime or seal surfaces where recommended by sealant manufacturer.

Cut glass to proper size, except cut processed/fabricated glass units to proper size prior to processing/fabricating; provide for adequate edge clearance and bite on glass.

Inspect glass edges at time of setting, and discard pieces with significant edge damage.

Locate setting blocks, 2 per light, at 25% of glass width, measured from corners. Set in thin bed of sealant if heel or toe head is required.

Set each piece in each series to match other pieces, with pattern, draw, bow, and other characteristics uniformly oriented.

Provide glazing sealants, compounds, tapes and gaskets as indicated and required, making specific product selections in compliance with manufacturer's recommendations. Coordinate materials for compatibility, and do not use solvent-release materials for glazing laminate glass, sealant-edged insulating glass, or glazing plastics.

Do not leave voids in the glazing channel except as specifically indicated or recommended by glass manufacturer.

Where weeps are indicated, including weeps in structural rubber gaskets, clean and avoid closure by compounds.

Provide adequate anchorage of gaskets, particularly driven-in wedge gaskets.

Miter-cut and bond (weld) ends of channel gaskets at corners to provide continuous gaskets.

Acceptance: Immediately prior to time of substantial completion, replace glass which is broken or otherwise damaged, and wash and polish glass inside and out.

Note: Glass materials can be obtained under a national account program from:

Georgia-Oklahoma Glass

PO Box 202

Ozark, MO 65721

(417)485-6806

Georgia-Carolina Glass

PO Box 256

Powder Springs, GA 30073

(404)943-4467

END OF SECTION 08800

DIVISION 9: FINISHES

SECTION 09250: GYPSUM DRYWALL

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

General Standard: Gypsum Association Specification GA-216, ASTM C 840, and manufacturer's instructions.

Fire-Resistance Ratings: Provide gypsum drywall work with ratings indicated and conforming to assemblies tested and listed by recognized authorities.

STEEL FRAMING COMPONENTS FOR SUSPENDED AND FURRED CEILINGS:

General: Provide components which comply with ASTM C 754 for materials and sizes, unless otherwise indicated.

Wire for Hangers and Ties: ASTM A 641, Class 1 zinc coating, soft temper.

Hanger Rods: Mild steel, zinc coated or protected with rust-inhibitive paint.

Flat Hangers: Mild steel, zinc coated or protected with rust-inhibitive paint.

Angle-Type Hangers: Angles with legs not less than 7/8 inch wide, formed from 0.0635 inch thick galvanized steel sheet complying with ASTM A 446, Coating Designation G90, with bolted connections and 5/16 inch diameter bolts.

Channels: Cold-rolled steel, 0.0598 inch minimum thickness of base (uncoated) metal and 7/16 inch wide flanges, protected with rust-inhibitive paint, and as follows:

Carrying Channels: 1-1/2 inch deep, 475 lbs per 1000 ft., unless otherwise indicated.

Furring Channels: 7/8 inch deep, 300 lbs per 1000 ft., unless otherwise indicated.

STEEL FRAMING FOR WALLS AND PARTITIONS:

Steel Studs and Runners: ASTM C 645, with flange edges of studs bent back 90 deg and doubled over to form 3/16" minimum lip (return) and complying with the following requirements for minimum thickness of base (uncoated) metal and for depth:

Thickness: 20 guage, interior walls.(Provide 18 guage where plywood is applied directly t metal studs, kitchen area).

Depth: 3-5/8 inches or 6 inches, where indicated interior walls.

Exposed Gypsum Board: ASTM C 36.

Provide Type X where required for fire-resistance rating.

Water Resistant Gypsum Backing Board: ASTM C 630.

Sound Attenuation Blankets: Semi-rigid mineral fiber without membrane, FS HH-I-521, Type I.

INSTALLATION OF STEEL FRAMING, GENERAL:

Steel Framing Installation Standard: Install steel framing to comply with ASTM C 754 and with ASTM C 840 requirements that apply to framing installation.

Install supplementary framing, blocking and bracing at terminations in the work and for support of fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, and similar construction to comply with details indicated and with recommendations of gypsum board manufacturer, or if none available, with "Gypsum Construction Handbook" published by United States Gypsum Co.

Isolate steel framing from building structure to prevent transfer of loading imposed by structural movement.

INSTALLATION OF STEEL FRAMING FOR SUSPENDED AND FURRED CEILINGS:

Screw furring members to wood framing.

Secure hangers to structural support by connecting directly to structure above .Do not attach hangers to metal deck tabs or metal roof deck.

Do not connect or suspend steel framing from ducts, pipes or conduit.

Keep hangers and braces 2 inches clear of ducts, pipes and conduits.

Sway-brace suspended steel framing with hangers used for support.

Install suspended steel framing components in sizes and at spacings indicated but not less than that required by referenced steel framing installation standard.

Wire Hangers: 0.1620 inch diameter (8 gage), 4 ft. on center.

Carrying Channels (Main Runners): 1-1/2 inch, 4 ft. on center.

Rigid Furring Channels (Furring Members): 24 inches on center.

Installation Tolerances: Install steel framing components for suspended ceilings so that cross furring members or grid suspension members are level to within 1/8 inch in 12 ft. as measured both lengthwise on each member and transversely between parallel members.

Wire-tie or clip furring members to main runners and to other structural supports as indicated.

INSTALLATION OF STEEL FRAMING FOR WALLS AND PARTITIONS:

Install runners (tracks) at floors, ceilings and structural walls and columns where gypsum drywall stud system abuts other construction.

Where studs are installed directly against exterior walls, install asphalt felt strips between studs and wall.

Installation Tolerances: Install each steel framing and furring member so that fastening surface do not vary more than 1/8 inch from plane of faces of adjacent framing.

Extend partition framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing over frames for doors and openings and frame around ducts penetrating partitions above ceiling to provide support for gypsum board.

Terminate partition framing at suspended ceilings where indicated.

Install steel studs and furring in sizes and at spacings indicated but not less than that required by referenced steel framing installation standard.

For single layer construction: 24 inches on center.

Install steel studs so that flanges point in the same direction and gypsum boards can be installed in the direction opposite to that of the flange.

Frame door openings to comply with details indicated, with GA-219 and with applicable

published recommendations of gypsum board manufacturer. Attach vertical studs at jambs with screws either directly to frames or to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.

Extend vertical jamb studs through suspended ceilings and attach to underside of floor or roof structure above.

Frame openings other than door openings to comply with details indicated, or if none indicated, in same manner as required for door openings; and install framing below sills of openings to match framing required above door heads.

Gypsum Board Fasteners: Type recommended by gypsum board mfr., except as otherwise indicated.

Trim Accessories: Provide manufacturer's standard metal trim accessories, beaded type.

Direct Suspension System: Zinc-coated or painted steel system of furring runners, furring tees and accessories designed for concealed support of screw-attached gypsum drywall ceilings.

Joint Tape: ASTM C 475, perforated.

Joint Compound: ASTM C 475, ready-mixed vinyl-type for interior w work.

Install and finish gypsum board to comply with ASTM C 840 and as follo:

Install water-resistant backing board where indicated to receive tile and similar rigid applied finishes at "wet" areas. Furnish in all kitchen and bathroom areas.

Screw gypsum board to metal supports.

END OF SECTION 09250

SECTION 09300: TILE WORK

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Review drawings for extent, type and size of tile work required.

Standards:

Tile: Comply with ANSI A137.1 Ceramic Tile.

Installation: Comply with ANSI 108 Series of tile installation standards included under "American National Standard Specifications for the installation of Ceramic Tile" and with the Tile Council of America installation methods indicated from the TCA "Handbook for Ceramic Tile Installation."

Mortar and Grout: Comply with ANSI 118 Series.

Submittals: Submit manufacturer's product data and installation instructions tile work required.

Tile Grade: "Standard Grade" unless otherwise indicated.

Unglazed Ceramic Mosaic Tile: 2"x2" "Standard Grade", all-purpose edge, mounted to sheets.

Manufacturer: Dal Tile's "Dal-Keystones"; "Earthstone" #DK-146. (Alternate) Lone Star Ceramics: "Brown Range" #A-6000.

Glazed Wall Tile: (at public toiletrrooms) 4x4 nom., standard grade, cushion edge units; Monarch Tile

Field	#714 Bone White
Accent #1 (top)	#627 Burgundy
Accent #2 (middle)	#135 Dark Taupe
Accent #3 (bottom)	#667 Hunter Green

Quarry Tile: In kitchen areas and at mop sink wainscot 6"x6"x½" "standard grade" square-edged, units by Summitville, or American Olean. Color to be red. Provide 100% of tile with abrasive fines at kitchen floor and bar floor.

Quarry Tile: Except at kitchen floor and bar floor, tile shall be 6"x6"x½" Standard Grade, square-edged units as manufactured by Summitville, or American Olean. Color shall be red.

Quarry Tile Pavers: Tile in the vestibule and waiting areas shall be 4"x8 "Olde Towne" manufactured by Summitville or 4" x 8" Quarry Naturals manufactured by American Olean. Color shall be #10 red.

Trim Shapes: Same material, size, color, and texture as field tile. Furnish all miscellaneous shapes required to complete the installation including bullnose shapes at exterior corners and cove bases.

Base: sanitary cove units.

Note: All tile is in stock and available through national contract from:
Midwest Tile Distributors, Inc.
7205 W. 80th Street
Overland Park, KS 66204
(913)648-6333
Greg Harris

Maintenance Stock: Furnish to Owner 20 pieces of each floor and wall tile for future patching.

Marble Thresholds: Group A marble, ASTM C503, Single bevel edged. Color: to be light grey.

Setting Materials:

Dry-Set Mortar with latex additive: ANSI A118.1; Multi-Cure thinset by C-Cure Chemical Company or equal product of other manufacturers; Grey

Multi-Purpose Adhesive: ANSI A136.1, Type I; 50 plus by Miracle or equal product of other manufacturers.

Epoxy Mortar: ANSI A118.3, Summitville S-400 QS or equal product of other manufacturers.

Grouting Materials:

Dry-Set Grout: C-Cure Supreme or equal; white

Latex-Portland Cement Grout: Match C-Cure color Jasper #104 or Summitville color #934 Sand Beige.

Epoxy Grout: ANSI A118.3; Summitville S-400 QS (quick-set epoxy) or equal; Color #934 Sand Beige.

Miscellaneous Materials:

Cementitious Backer Board: Cement-coated portland cement panels with lightweight concrete core, 1/2" thickness, designed to be used as a substrate for wall tile. Util-A-Crete, Durock, or Wonderboard.

Temporary Protective Coating: To be used at contractor's option to protect exposed surfaces of tile against adherence of mortar and grout. Grout release in form of manufacturer's standard proprietary liquid coating that is specially formulated and recommended for use as a temporary protective coating for tile. Verify compatibility with tile and mortar/grout products.

Installation: Use the following TCA Methods for installation.

Floors and Base:

Quarry Tile Base at Coolers - Method F131, Epoxy Mortar and Epoxy Grout.

Paver Tile at Entrance - Method F113, Dry-Set Mortar and Latex-Portland Cement Grout.

Quarry Tile except at Coolers - Method F115, Dry-Set Mortar and Epoxy Grout.

Ceramic Mosaic Tile - Method F113, Dry-Set Mortar and Latex-Portland Cement Grout.

Walls:

Ceramic Tile on Masonry, Cementitious Board or Gypsumboard - Method W223 or W243, Multi-Purpose Adhesive and Dry-Set Grout.

Quarry Tile on Cementitious Board - Method W244, Dry-Set Mortar and Latex-Portland Cement Grout.

Comply with ANSI A108.1 and A108.4 through A108.10, as applicable for type of tile, setting materials, grout, and methods of installation indicated. Comply with manufacturer's instructions for application of proprietary materials.

Use 1/16" wide joints on ceramic tile and 1/4"-3/8" wide joints on quarry tile and paver tile.

Expansion, Control, Contraction, and Isolation Joints: As indicated. Sealing tile joints is to be included in work of this section.

END OF SECTION 09300

SECTION 09510: ACOUSTICAL CEILINGS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Standards:

Acoustical Materials: FS SS-S-118.

Suspension Systems: ASTM C 635 for materials; ASTM C 636 for installation.

Fire-Hazard Classification: Maximum of 25 for flame spread.

Materials:

Type 1 Ceiling: Acoustical Panel: 24"x24"x3/4" reveal edged heavily textures acoustical lay-in board with foil back; Acoustone Glacier, Shadowline by U.S. Gypsum Co. or an approved equal. Color: Cranberry #099. Provide hold-down clips on tile in vestibule.

Type 2 Ceiling: Vinyl II Stipple, USG, 24"x48"x1/2" product #3270.

Suspension System: ASTM C-635.

Structural Class: Intermediate-duty.

Type: Direct-hung. Fully exposed (lay-in) suspension system.

Finish: For 24"x24" panels shall be factory painted to match acoustical panels. Grid to be USG/DONN DX 15/16" with override crosstees. NOTE: Provide additional grid supports at light track to support weight of all type 'A' fixtures.

For 24"x48" panels shall be USG/DONN DXLA Aluminum cap grid systems: factory finish white.

Note: The above acoustical ceiling products are in stock and can be purchased under national account pricing from the following distributors:

Rew Acoustical Products	Tucker Acoustical
924 Division St.	2014 Steel Drive
Kansas City, KS 66103	Tucker, GA 30084
Don Harris or Darren Richardson	Connie Denney
(800)444-9792	(404)938-9050
(913)262-0480	

Extra Materials: Provide 1 carton of each type of ceiling panel to the Owner for future use.

Installation: Install materials in accordance with manufacturer's printed instructions, and comply with governing regulations and industry standards applicable to the work. Provide hold down clips as required and in vestibule.

END OF SECTION 09510

SECTION 09680: CARPETING

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

MATERIALS:

Carpet: Shall be furnished and installed by the general contractor. Carpet shall be: Masland Carpets (patterned) #9845 Color CC147 Fruit Apple as distributed by: Masland Carpets, Inc., 716 Bill Myles Drive, Saraland, AL 36571 (800)633-0468 or (205)675-9080, "KC" Karen Mount.

Carpet Accessories:

Installation Adhesive: Premium quality latex carpet adhesive such as WW Henry's #251 "The Sticker" or Chapco #375 and spread with 1/8" x 1/8" x 3/32" "U" notch trowel (coverage approximately 14 yards per gallon).

Seaming Cement: Should be compatible with latex carpet adhesive such as WW Henry's #246 seam sealer and WW Henry's #244 seam sealer solvent or Chapco #30 seam bond and Chapco #116 solvent for clean up. Failure to properly apply seam sealer will result in carpet manufacturer voiding warranty and liability transferring to the installer.

Miscellaneous Materials: Premium quality materials to be selected by installer and approved by owner to meet project circumstances and requirements; accepted materials:

Floor Patch: WW Henry's #331

Floor Underlayment: WW Henry's #345, match to tile or wood floors

Latex Glue: needed to butter the edge of carpet to be butted to wood or hard surface edges

Edge and Moldings: Submit for owner approval

Concrete Sealer: If required, must be non-silicone and compatible with latex carpet adhesives

Inspection: Installer must examine substrates for moisture content and other conditions which carpeting is to be installed, and notify Contractor in writing of conditions detrimental to proper completion of the work. Do not proceed until unsatisfactory conditions are corrected and seam diagram approved.

Preparation: Clear away debris and scrape up cementitious deposits from surfaces to receive carpeting; vacuum clean immediately before installation. Check concrete surface to ensure no "dusting" through installed carpet; apply sealer where required to prevent dusting.

Sequence carpeting with other work so as to minimize to possibility of damage and soiling of carpet during the remainder of the construction period.

Installation: Comply with manufacturer's instructions and recommendations for seam locations and direction of carpet; maintain uniformity of direction and lay of pile. NOTE: Seal all edges of carpet which abutt tile. Failure to comply will void warranty and transfer liability to installer. Use floor stone (at edge where carpet abuts floor tile) to level carpet and tile. Feather out from tile 12 to 15 inches.

Fit sections of carpet in each room or space prior to application of adhesive. Trim edges and butter cuts with seaming cement. Carefully apply 1/8" bead of sealer. Cross-seaming should be accomplished by the scribe cutting method. Again follow seam sealing procedures.

Apply adhesive uniformly to substrate in accordance with manufacturer's instruction. Butt carpet edges tightly together to form seams without gaps. Roll with roller to eliminate air pockets and ensure uniform bond. Remove adhesive promptly from face of carpet.

Cleaning and Protection: Stains caused by carpet seam sealer can be removed using compatible solvent. Apply solvent to clean cloth using a blotting action. Do not saturate carpet by pouring solvent on carpet directly. Blott with rag or tissue.

Remove debris from installation, carefully sorting pieces to be saved from scraps to be disposed of.

Vacuum carpet with a commercial machine, with rotating agitator or beater in the head. Remove soiled spots.

Advise Contractor of protection methods and materials needed to ensure that carpeting will be without deterioration or damage at time of acceptance. DO NOT USE PLASTIC.

END OF SECTION 09680

SECTION 09900: PAINTING

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

The work includes painting and finishing of interior and exterior exposed items and surfaces throughout the project.

Work to include all coating systems materials, including primers, emulsions, enamels, stains, sealers, and fillers, and other applied materials whether used as prime, intermediate or finish coats.

Submit samples of all surfaces to be painted to match Architects color chips. Resubmit samples if requested until required sheen, color and texture is achieved.

Paint all exposed surfaces except natural finishes noted as a surface not to be painted.

Paint all exposed mechanical and electrical devices in 2 x 2 lay in ceiling areas to match ceiling tile color, and paint HVAC diffusers in Greenhouse Soffit (brown). Do not paint track lights, emergency lights, emergency exit signs, downlights, or sprinkler heads.

Shop priming of ferrous metal items is included under other sections.

Mix, prepare, and store painting and finishing materials in accordance with manufacturer's directions.

Apply per manufacturer's instructions including recommended dry film thickness for each coat.

Provide paint products from one of the following or equal:

Sherwin Williams	Porter Paint Co.	Glidden
Benjamin Moore	Pratt & Lambert	Cabot Stains

If any of the above paint products are used other than Sherwin Williams, provide paint samples of all alternate colors to architect and/or owner for approval prior to application.

EXTERIOR PAINT SYSTEMS: Provide the following paint systems for the various substrates as indicated.

Exterior wood doors (exterior side of door only) with one coat Sherwin-Williams A-100 Alkyd Exterior Wood Primer, two coats of Sherwin-Williams SWP Alkyd Gloss House Paint.

Exterior hollow metal doors, and frames (with factory primed coating) with two coats Sherwin-Williams SWP Alkyd Gloss House Paint.

Exterior type "H" light fixtures and supports with two coats Sherwin-Williams "SWP Alkyd" gloss house paint. Scuff sand prior to painting.

INTERIOR PAINT SYSTEMS: Provide the following finish coating systems for the various

substrates specified.

Interior gypsum board with two coats Sherwin-Williams Style Perfect Latex semi-gloss enamel.

Interior hollow metal doors and frames and miscellaneous metal with two coats Sherwin Williams ProMar 200 Alkyd Semi-Gloss Enamel.

Interior stained wood with Benjamin Moore "American Walnut" #241-59 and two coats satin polyurethane.

Interior clear finish wood with sanding sealer and 2 coats gloss polyurethane.

Bead board must be stained prior to installation.

Stained wood includes:

- Door from dining room to vestibule and adjacent borrowed light
- Beaded ceiling (bead board) wall paneling
- Oak base
- Oak horizontals in brass & oak railings
- Oak treads, stringers and skirts
- Interior face of exterior wood doors and sidelights

Clear finish wood includes:

- Greenhouse ceiling
- Public Restroom doors
- Liquor Storage Shelving
- Office Cabinets, shelving and trim
- All red oak not listed for stain in paragraph above. This includes door and window trim, partition caps, columns and header trim, wainscot trim, crown molding, outside corners below partition caps and end caps of partition wall (per standard details 41 & 42).

Interior concrete masonry with one coat Sherwin - Williams Heavy Duty Block Filler and two coats Sherwin - Williams Tile Clad II Epoxy (gloss).

Exposed concrete block wall in office with one coat Sherwin-Williams heavy duty block filler and two coats of Sherwin-Williams PRO-MAR Alkyd Semi-Gloss Enamel minimum or additional number of coats to cover.

All of the preceding portions of Section 09900 constitute the basic painting specification. Paragraphs that follow are to be used where fire codes or building codes require that the interior woodwork have a Class "A" or Class "B" interior finish. Verify with the fire marshall or other governing agency the extent of the interior woodwork which must receive fire treatment.

For Class "A" finish:

1. Delete the sealer and polyurethane coats in the basic specification.
2. Apply Flame Control Coatings Inc. Sealer #6. (Sherwin Williams is a distributor of Flame Control Coatings).
3. Apply Flame Control #166 Fire Retardant Varnish Base Coat.
4. Apply Flame Control #167 Varnish Overcoat (Satin at stained wood, high gloss elsewhere).
5. Protect finished areas from moisture as water will cause finish to turn milky.

For Class "B" finish:

1. Delete the sealer and polyurethane coats in the basic specification.
2. Apply Flame Control Sealer #6.
3. Apply Flame Control #129 Fire Retardant Varnish Base Coat.
4. Apply Flame Control #130 Varnish Overcoat. (Satin at stained wood, high gloss elsewhere).

For either Class "A" or Class "B" finish systems, whether Flame Control Coatings, Inc. products are used or equal products of a different manufacturer, test a small area first and follow manufacturer's recommendations for application and coverage. Provide to the Owner a sample of the application on both stained and clear finish wood.

END OF SECTION 09900

SECTION 09950: VINYL WALLCOVERING

Materials:

Vinyl wallcovering: Shall be furnished and installed by the general contractor. Wallcovering shall be: Koroseal, KORD-O-ROI, "Parsley" (no print) Custom Color #17-179 as distributed by Comwall, Inc., 220 Platte Valley Drive, Riverside, MO 64150. (800)333-9595 or (816)472-5066 Lloyd Grisham.

Installation:

Prepare the surface of the gypsum wallboard to receive the wallcovering.

Apply the wall covering with the ribs running vertically. Join roll widths to make invisible

joints.

Comply with manufacturer's instructions and recommendations for adhesives and installation.

END OF SECTION 09950

DIVISION 10: SPECIALTIES

SECTION 10160: TOILET PARTITIONS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Submittals: Manufacturer's data and installation instructions. Plastic laminate to match Architect's sample.

Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to ensure proper fitting of work.

Manufacturer: Provide plastic laminate faced overhead braced toilet partitions as manufactured by one of the following:

- American Sanitary Partition Corp.
- Marlite Brand HPL System
- Sanymetal Products Co.
- All American Metal Corp.

Plastic Laminate: NEMA Std. LD-3, minimum 0.062" thick. Color shall be "Hunter Green" #D79-6 as manufactured by Wilson Art.

Core Material for Plastic Laminate: Manufacturer's standard particleboard or plywood, in thickness to provide nominal dimension of 1" minimum for doors, panels, and screens, 1¼" for pilasters.

Pilaster Shoes: AISI Type 302/304, 20 gauge stainless steel, 3" high, finish to match hardware. Furnish shoes at each pilaster.

Stirrups Brackets: Manufacturer's standard, non-ferrous cast alloy with satin chrome finish.

Hardware and Accessories: Manufacturer's standard, heavy-duty operating hardware and accessories, non-ferrous cast alloy with satin chrome finish.

Anchorage and Fasteners: Manufacturer's standard theft-proof exposed fasteners, finished to match hardware.

Fabrication: Pressure-laminate one-piece face sheets to core material with no splices or joints, and with edges straight and sealed. Seal exposed core material at cutouts to protect against moisture.

Furnish units with cut-outs, drilled holes, and internal reinforcement to receive, partition mounted hardware, accessories and grab bars as indicated.

Doors and Panels: Not less than 1" thick units, size shown. Handicap stall doors to be minimum: 32" clear.

Floor Supported Pilasters: 1¼" thick, with galvanized steel anchorage complete with threaded rods, lock washers, and leveling nuts.

Overhead-Braced Partitions: Furnish galvanized steel supports and leveling bolts at pilasters, as recommended by manufacturer to suit floor conditions. Make provisions for setting and securing continuous aluminum overhead-bracing tube at top of each pilaster. Furnish shoe at each pilaster to conceal supports and leveling mechanism.

Hardware and Accessories: Furnish for each door, as follows:

Hinges: Either surface-mounted or cutout inset type, adjustable to hold door open at any angle up to 90°.

Latch and Keeper: Slide type, easily operable by handicapped, with combination rubber-faced door strike and keeper.

Coat Hook and Bumper: Manufacturer's standard unit, rubber-tipped. On outswinging doors provide an additional rubber-tipped bumper to protect ceramic tile. For handicap stalls provide an additional coat hook mounted at 48" above floor.

Door Pulls: Provide pulls which are usable by the handicapped.

Installation: Install partitions rigid, straight, plumb and level in accordance with manufacturer's printed instructions. Set units with not more than ½" between pilasters and panels, and not more than 1" clearances between panels and walls.

Hardware Adjustments: Adjust and lubricate hardware for proper operation after installation.

Set hinges on in-swing doors to hold doors open approximately 30 degrees from the closed position when unlatched.

Set hinges on out-swing doors to return to fully closed position.

Wall-Mounted Screens: Attach with heavy-duty, concealed anchoring devices, including wall channels, wall plates and studs as recommended by manufacturer.

Cleaning and Final Adjustments: Perform final adjustments to leveling devices, door hardware,

and other operating parts. Clean exposed surfaces and touch up minor finish imperfections using materials and methods recommended by partition manufacturer.

Replace damaged units which cannot be satisfactorily field repaired, as directed by Architect.

Note: The above materials can be obtained under a national account program from:

Girtman - McDougall Corporation
2701 Delaware Avenue (P.O. Box 90447)
Nashville, TN 37209
Charles Girtman, Dan Prince
(615)320-5522 (615)321-5859 (fax)

END OF SECTION 10160

SECTION 10425: SIGNS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Divisions 1 Specification sections apply to work of this section.

General: This section includes brass plate numbers for installation on exterior for building address, restroom wall signs, occupant load sign and exterior signs and posts for handicap parking stalls.

Exterior Building Address Numbers:

Submittals: Submit product data and installation details.

Manufacturers: Subject to compliance with requirements, provide products by one of the following:

Andco Industries Corp.
A.R.K. Ramos Manufacturing Co. , Inc.
Metal Arts, Division of L & H Manufacturing Co.

Materials: Brass plate, minimum 1/8" thick.

Anchors and Inserts: As recommended by manufacturer for concealed installation in face brick.

Cut Numbers: Produce characters with smooth, flat faces, sharp corners, free from pits, or other defects.

Finish: Polished, with a clear laquer coating.
Size: Minimum 5" high, but Contractor shall verify and provide larger size if required by local ordinance.
Style: Clarendon, Clarendon Medium, or Craw Clarendon

Installation: Mount letters with backs in contact with the wall surface. Provide heavy paper template to establish letter spacing and to locate holes for fasteners.

Restroom Wall Signs: Provide one wall sign for each restroom entrance. Signs to be 6" wide x 8" high and have features as follows:

1. Complies with provisions of Americans with Disabilities Act.
2. International wheelchair logo.
3. International symbol of man or woman.
4. Minimum 5/8" high raised lettering, "Men" or "Women".
5. Grade 2 Braille indicating men or women.
6. Dark brown color with light beige graphics.

Manufacturer:

ADA Signage of Dublin, OH
7100 Muirfield Drive, Suite 110
Dublin, OH 43017
Telephone: (800)837-5432

Occupant Load Signs: Where required by the code, building official, or fire marshal, provide an Occupant Load sign. Exact phrasing, occupant load number, text height, and mounting location to be coordinated with the building official; or fire marshal. Sign to be dark brown with light beige graphics.

END OF SECTION 10425

SECTION 10522: FIRE EXTINGUISHERS, CABINETS AND ACCESSORIES

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

UL-Listed Products: Provide new UL-listed fire extinguishers of bearing UL "Listing Mark" for type, rating, and classification of extinguishers indicated.

Submittals: Submit product data and finish samples.

Manufacturers: Subject to compliance with requirements, provide products by one of the following:

J.L. Industries
Johnson-Lee, Div. of W.F. Lee Corp.
Larsen's Manufacturing Co.
Muckle Manufacturing, Division of Technico, Inc.
Watrous, Inc.

Fire extinguishers: Provide (3) fire extinguishers of types indicated. Locations to be determined by local Fire Marshall at time of final inspection for Certificate of Occupancy and coordinated with Owner.

Multi-Purpose Dry Chemical Type: UL-rated A:B:C, 5-lb. nominal capacity, in enameled steel container, complete with mounting bracket.

Installation: In accordance with manufacturer's directions for type of mounting required at height and locations indicated, or if not indicated, to comply with applicable regulations of governing authorities.

END OF SECTION 10522

SECTION 10700: AWNINGS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Furnish all labor, materials, tools and equipment necessary to complete all awnings work shown on the drawings and as specified herein subject to the provisions of the General Conditions and Supplementary General Conditions.

Submit fabric samples and detailed shop drawings for approval in accordance with requirements of General Conditions. Sample to exhibit typical seaming, rafter pocket, valence pattern, and edge treatment.

MATERIALS:

Metal framework and fittings: 1" square steel tube with all welded joints with galvanized

fittings, in profiles indicated, complete with all rafters, support columns, brackets fittings & accessories. Securely brace to wall. Furnish all additional accessories and fittings required for complete installation. Frame to be painted an aluminum color at welds or other points of discoloration. Paint frame Triton Green.

Awning material supplier: Call Astrup (800)786-7609 for referral to local distributors and suppliers.

Awning material: Astrup "Millcor" polyester scrim, vinyl laminated; Weblon Coastline Plus. Colors: CP-2709 Rust CP-2700 Sand, and CP-2711 green. Alternating patterns of green 18", Sand 7", Rust 11" and Sand 7". Provide 2" deep v-groove darts cut at edge of valance at each corner of green band. All awning end panels shall have striped pattern the same as the main body.

Awning material shall be lace on type with roped reinforced eave with side curtains in profiles indicated. Stretch on tight to eliminate wrinkles.

Binding Tape shall be cloth for exterior use, rust color to match the rust stripe. Thread shall be white for exterior use. Seam shall be sewn or heat sealed.

Installation shall be guaranteed by installer for a period of two years from date of final acceptance.

Coordinate awning fabrication and supporting framework and anchorage details with fascia. Install additional blocking as required. Install awnings true and plumb. Awning covers shall fit frames TIGHTLY and without bind, gathering, or warping.

Comply with all local codes for awning height, loading requirements, framing, and flammability requirements.

END OF SECTION 10700

SECTION 10800: TOILET ACCESSORIES

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Manufacturer: Provide toilet accessories as manufactured by: Bobrick Washroom Equip., Inc., McKinney or Bradley.

Install in accordance with manufacturer's recommendations.

Toilet Room Accessories (Numbers provided are Bradley):

Women's Toilet Room

- 1 Paper Towel Dispenser: Provided by others, installed by G.C.
- 3 Double Roll Toilet Paper Holder: #5402
- 1 Grab Bar: #817 42"
- 1 Grab Bar: #817 36"
- 2 Soap Dispensers: Provided by others, installed by G.C.
- 3 Feminine Napkin disposal with utility shelf: #4791-15
- 1 Mirror: #780 40" w x 32" h
- 1 Diaper Changing Station: "Diaper Deck" by American Infant Care Products

Men's Toilet Room

- 1 Paper Towel Dispenser: Provided by others, installed by G.C.
- 2 Double Roll Toilet Paper Holder: #5402
- 1 Grab Bar: #817 42"
- 1 Grab Bar: #817 36"
- 1 Soap Dispensers: Provided by others, installed by G.C.
- 1 Mirror: #780 40" x 32"
- 1 Diaper Changing Station: "Diaper Deck" by American Infant Care Products

Employee Restroom

- 1 Paper Towel Dispenser: Provided by others, installed by G.C.
- 1 Soap Dispenser: Provided by others, installed by G.C.
- 1 Mirror: #780 16" x 32"
- 1 Double Roll Toilet Paper Holder: #5402

Handwash Sinks in Kitchen:

- 2 Paper Towel Dispenser: Provided by others, installed by G.C.
- 2 Soap Dispensers: Provided by others, installed by G.C.

Note: The above materials except for the Diaper Changing Station are in stock and can be obtained under a national account program from:

Girtman - McDougall Corporation
2701 Delaware Avenue (P.O. Box 90447)
Nashville, TN 37209
Charles Girtman, Paula Stinson
(615)320-5522 (615)321-5859 (fax)

"Diaper Deck" can be purchased through American Infant Care Products (612)474-0204

END OF SECTION 10800

DIVISION 11: EQUIPMENT

SECTION 11400: KITCHEN EQUIPMENT

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

All food service equipment shall be furnished to the site and installed by others under Contract with the Owner.

General Contractor to review drawings for extent of work involved. Verify with kitchen equipment supplier for additional work required including but not limited to: jurisdictional requirements for placement and hookup of equipment, unloading of truck, mounting heights.

Composite crews if required to unload the kitchen equipment, will be the responsibility of the General Contractor.

Review kitchen equipment rough-in dot plans for additional requirements, accessories, connections required. Maintain all rough-ins in locations indicated and refer variances to kitchen consultant for approval.

Make all HVAC, plumbing and electrical connections and supply all rough-in requirements to each kitchen equipment item as required.

Provide all curbs, openings and recesses as indicated.

Provide additional treated blocking or bracing in the walls to adequately secure wall mounted kitchen items in place. Verify required blocking locations with kitchen equipment supplier.

Provide fire rated duct enclosure at exhaust hood as indicated and required by local building authority.

END OF SECTION 11400

DIVISION 12: FURNISHINGS

SECTION 12000: FURNISHINGS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Review drawings for extent of owner supplied items to be installed by G.C.

Furnish and supply all incidental blocking, hinging, bracing and builders hardware as required to install all owner supplied items.

Storage of all owner supplied items is to be in a locked room at all times until in place.

Touch-up finish of marred items as required to match existing.

END OF SECTION 12000

SECTION 12650: ACCESSORIES

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Corner Guards: Furnish and install at all outside corners in kitchen and support areas. Corner guards shall be type 430; 16 gauge stainless steel with #4 satin finish. Model CP-1560 from Tubular Specialties Manufacturing, Inc. or an approved equal (800/421-2961). Mastic applied. Lengths indicated.

Installation:

General: Install accessories in accordance with manufacturer's instructions, using fasteners which are appropriate to substrate and recommended by manufacturer of unit. Install plumb and level, firmly anchored in locations indicated. All outside corners in kitchen areas to receive corner guard treatment.

Antislip Material: Furnish and install at all stair treads in dining areas, "Safety-Walk" antislip tape strips as manufactured by 3M company or approved equal. Furnish two (2) 2" wide x width of stair strips at front portion of each tread, spaced approximately 1" apart. Color shall be black and shall be "general purpose antislip" grade. Follow manufacturer recommended procedures for installation.

Television Support Brackets: Furnish and install Peerless Model No. CMJ-650-SU, jumbo television mount for suspended ceiling. Mount in ceiling grid where indicated and anchor owned furnished televisions to support tray. Mount as tight to ceiling as possible in accordance with manufacturer's instructions. Paint ceiling tray to match ceiling tile.

Peerless Sales Company
Melrose Park, IL 60160
1-800-729-0307

END OF SECTION 12650

G. APPLEBEE'S COLORS AND PATTERNS
1994 PROTOTYPE
7/6/94

NOTE: These are colors only. Paint materials are specified in trade section of project manual as to coats and gloss required. Location of colors on exterior of building to be determined by Applebee's and must be verified for each job.

PAINTS AND STAINS:

Exterior:

Concrete masonry interior of Trash Enclosure (and stucco buildings where applicable):

Sherwin Williams #BM-73-20 BOULDER

Wood gates and gate frames:

Sherwin Williams #SW2308 RIVERBOAT

Hollow metal doors, frames, and sidelights, gooseneck light fixtures, pipe bollards, metal downspouts (and steel railings where applicable) handicap parking sign posts:

Sherwin Williams #BM-78-24 TRITON GREEN

Metal coping (and accent stripe: used on wood siding and stucco building):

Sherwin Williams #BM-78-24 TRITON GREEN (coping) and

Sherwin Williams #SW2308 RIVERBOAT (accent stripe)

Exterior wood doors, frames, and sidelights (vestibule doors and exit doors at sides):

Exterior face: Sherwin Williams #BM-78-24 TRITON GREEN

Interior face: Benjamin Moore AMERICAN WALNUT #241-59

Exterior stained wood trim at greenhouse and siding on storage shed:

Olympic #709 Semi-Transparent Oil-based stain

Caulking:

Dark bronze or cedar color

Awning frame touchup:

Aluminum color

Metal counter flashing mounted in brick:

Sherwin Williams #SW2308 RIVERBOAT

Aluminum flashing at greenhouse window sills and conduits at greenhouse roof lighting:

Sherwin Williams #BM-5-24 DOUBLE CHOCOLATE

Exposed gas piping:

Sherwin Williams #SW2308 RIVERBOAT from ground to coping cap and

Sherwin Williams #BM-78-24 TRITON GREEN along coping and on roof.

Interior:

Beaded ceiling (bead board) wall paneling, base and oak horizontal rails (with brass), interior face of exterior wood doors, and oak tread, stringers and nosings:

Benjamin Moore AMERICAN WALNUT #241-59 stain; Satin finish polyurethane (2 coats)

Partition caps, columns, wainscot trim, ceiling of greenhouse, crown molding, office cabinets, office counter trim, jambs, wainscot trim at greenhouse, outside corners below partition caps and end cap of partition wall (per standard detail 41 and 42)

Public restroom doors:

Gloss finish polyurethane (two coats)

Door from dining room to vestibule:

Benjamin Moore AMERICAN WALNUT #241-59 Stain both sides. (*Note: Door and wood trim at head and jambs of this door to receive gloss polyurethane as in paragraph above*)

Wall diffusers in greenhouse soffit and wall grille in front of ice machine:

Sherwin Williams DOUBLE CHOCOLATE #BM-5-24

Speakers and HVAC diffusers in dining room ceiling:

Match Cranberry Ceiling Tile

Interior door frames and interior hollow metal doors, and interior faces of exterior hollow metal doors and frames:

Sherwin Williams #BM-5-24-DOUBLE CHOCOLATE

Restroom ceilings:

Sherwin Williams #SW1116 VELLUM

Office ceiling, all masonry walls scheduled for painting and liquor storage room ceiling and walls:

Sherwin Williams #SW1409 ALFALFA SPROUT

Oak table tops:

Gloss finish polyurethane (at least two coats). No stain.

PLASTIC LAMINATES:

Tops and splash for men's and ladies' restroom vanity:

CORIAN "Sierra Sandstone"

Plastic laminate for linen storage cabinet:

WILSON ART #D30-6 NATURAL ALMOND (exterior surfaces; interior may be standard white or off-white)

Plastic laminate for office counter and for both interior and exterior of server stations and host station:

WILSONART #7209-13 NEPAL TEAK (CORIAN "Sierra Sandstone" for server station tops and splash).

Plastic laminate for men's room and ladies' room toilet partitions:

WILSON ART "Hunter Green" #D79-6

Plastic laminate for ladies' room vanity support bracket and back panel under vanity:

WILSON ART "Sand" #D331-6

WALL AND FLOOR FINISHES:

Vinyl wall covering for dining rooms:

Koroseal, KORD-O-ROI, "Parsley" (No print), Custom Color #17-179

Comwall, Inc., (800)333-9595 or (816)472-5066, Lloyd Grisham

Patterned carpet for dining rooms:

Masland Carpets Custom #9845 Color CC147 Pruit Apple.

Solid color carpet for booth base and for bases of high top tables:

Masland Carpets Custom #9845 Color CC187 Apple Solid

Masland Carpets, Inc. 716 Bill Myles Drive, Saraland, AL 36571

(800)633-0468 or (205)675-9080, "KC" Karen Mount

Quarry tile paver for vestibule and waiting area (4" x 8"):

Summitville Tiles, "OLDE TOWNE", #10 red

Quarry tile for bar dining, restroom vestibule (6" x 6"):

Summitville Tiles, #10 red, Standard Grade, Square

Quarry tile for kitchen and bar (6" x 6"):
Same as bar dining except with abrasive fines

Ceramic wall tile for restrooms (4 1/4" x 4 1/4"):

Monarch Tile

Field:	#714 Bone White
Accent #1(top):	#627 Burgundy
Accent #2(middle):	#135 Dark Taupe
Accent #3(bottom):	#667 Hunter Green

Ceramic mosaic floor tile for restrooms (2" x 2"):
DAL TILE DAL-KEYSTONES "Earthstone" #DK-146
LONE STAR CERAMICS "Brown Range" #A-6000

Ceramic wall tile grout: White

All floor tile grout: Color #934 Sand Beige from Summitville

Prefinished wall panels for kitchen areas:
"FRP" panels, NATURAL ALMOND color, krinkle finish

UPHOLSTERY VINYL:

Booth seats and backs:
Naugahyde SPIRIT II #US 364 BURGUNDY (Seat and head roll)
Arc Com CAVALIER WOOL #AC-62415 Color #16 CRANBERRY (inside back)

Bentwood chair seats:
Naugahyde SPIRIT II #US 364 BURGUNDY

Bar stool seats and backs and bar chairs:
Naugahyde SPIRIT II #US 364 BURGUNDY
(Option: Naugahyde ROGUE II #RU-820 WALNUT)

REMODEL MATERIALS (REVERSE COLORS):

Vinyl wall coverings for dining rooms:
Koroseal, "Burgundy Paper Part" Custom Color #17-177 "Apple Red"
Comwall, Inc. (816)741-5066 Lloyd Grisham

Loop Carpet (Remodels Only):

Masland Carpets, Loop Custom Imari #7400 Color #13486

Carpet Booth Bases & High Top Table Bases:

Masland Carpets Custom #9845 Color CC187 "Apple Solid"

Masland Carpets, Inc. (800)633-0468, "KC" Karen Mount.

Acoustical Ceiling Tiles:

U.S.G. "Park Bench Green", Non-Fire Rated #707 Color #983, Glacier

U.S.G. "Park Bench Green", Fire Rated #715 Color #983, Glacier

Rew Materials, 924 Division St. Kansas City, KS 66103

(800)444-9792 or (913)262-0480, Don Harris

Booth Seats and Backs:

Naugahyde "Phoenix" Bottle Green #PH-51 (seat and headrail):

Momentum Textiles Burton Green #09179367

Bentwood Chair Seat Pad:

Naugahyde "Phoenix" Bottle Green #PH-51

Bar Stool and Bar Chairs (seats and backs):

Naugahyde "Phoenix" Bottle Green #PH-51

SHERWIN-WILLIAMS PAINT FORMULA
APPLEBEE'S NEIGHBORHOOD GRILL & BAR

COLOR & NAME	BASE	COLORANT	GALLONS			
			FULL OZ.	1/32 OZ.	1/64 OZ.	1/128 OZ.
BOULDER BM-73-20	Tinting White	Deep Gold Maroon Black	2	32 6 16		
RIVERBOAT SW2308	Base C	Black Deep Gold White Maroon	8			
TRITON GREEN BM 78-24	Base B	Blue Black	6 2			
DOUBLE CHOCOLATE BM 5-24	Base R	Deep Gold Maroon Black	4 2 4	32		
VELLUM SW1116	Base X	Yellow Red Black		10 5 2		
ALFALFA SPROUT SW1409	Base X	Deep Gold Green Black		15 1 2		

DIVISION 15: MECHANICAL SYSTEMS

SECTION 15010: MECHANICAL REQUIREMENTS

General Requirements:

All requirements under Division One and the General and Supplementary Conditions of these specifications shall be a part of this section. Each contractor shall be responsible to thoroughly familiarize himself with all its contents as to requirements which affect this division or section. The work required under this section includes all material, equipment, appliances, transportation, services, and labor required to complete the entire system as required by the drawings and specifications.

Inspection of the Site:

The contractor shall personally inspect the site of the proposed work and inform himself fully as to the conditions under which the work is to be done. Failure to do so will not be considered sufficient justification to request or obtain extra compensation over and above the contract price.

Material and Workmanship:

All material and apparatus shall be new and in first class condition. All workmanship shall be of the finest possible by experienced mechanics. All installations shall be made in a manner that will comply with applicable Codes and laws. Any abnormal noise caused by rattling equipment, piping, ducts, air devices, and squeaks in rotating components will not be acceptable. In general, all materials and equipment shall be of commercial specification grade in quality. Light duty and residential type equipment will not be acceptable.

Coordination:

Coordinate all work with that of other trades so that the various components of the systems will be installed at the proper time, will fit the available space, and will allow proper service access to those items requiring maintenance. Any components which are installed without regard to the above shall be relocated at no additional

cost to the owner.

Figured dimensions shall be taken in preference to scale dimensions. The contractor shall take his own measurements at the building, as variations may occur; he will be held responsible for errors which could have been avoided by proper checking and inspection.

It is the Contractor's responsibility to provide materials with trim which will fit properly the types of ceiling, wall, or floor finishes actually installed. Model numbers in specifications or shown on drawings are not intended to designate the required trim.

Ordinances and Codes:

Comply with National Fire Protection Association codes, Uniform Building Code, BOCA, and/or all other applicable codes and ordinances. Obtain and pay for all permits. Contractor shall be held responsible for any violation of the law. Contractor shall maintain all necessary signal lights and guards for the safety of the public.

Protection of Equipment:

Adequately protect equipment from damage after delivery to job. Cover with heavy polyethylene plastic as required to protect from plaster, dirt, paint, water, or physical damage. Equipment which has been damaged by construction activities will be rejected, and contractor is obligated to furnish new equipment of a like kind.

Keep premises broom clean at all times from foreign material created under this contract. All piping, equipment, etc. shall have a neat and clean appearance at the termination of the work.

Substitutions:

This specification provides that the base bid of all contractors shall include the products specifically named, the contractor being permitted to submit in the form of alternates, with his proposal, products of any other manufacturers for similar use, provided the difference in cost, if any, is specified in each case. The terms "approved", "approved equal", or "equal" shall mean approved by the engineer as

an acceptable alternate bid. No substitutions will be considered that are not bid as an alternate.

Shop Drawings:

Submit for approval six sets of manufacturers shop drawings of all major items of equipment and all items requiring coordination between contractors. Before submitting shop drawings and material lists, the contractor shall verify that all equipment submitted is mutually compatible and suitable for the intended use, and shall fit the available space and allow ample room for maintenance. The Engineer's checking and subsequent approval of such shop drawings shall not relieve the contractor from responsibility for errors in dimensions, details, size of members, or quantities; or omissions of components or fittings; or for coordinating items with actual building conditions. Provide any needed wiring diagrams.

Catalog data must have the item or model number clearly marked and all accessories indicated. Mark out all inapplicable items.

Operation and Maintenance Instructions:

Submit to the architect three copies each of material for maintenance and operation instruction manuals, appropriately bound into manual form including approved copies of the following, revised if necessary to show system and equipment as actually installed:

- Manufacturers Catalog Sheets
- Wiring Diagrams
- Maintenance Instructions
- Operating Instructions
- Parts Lists

Contractor shall also provide adequate verbal instructions of system operation to owner's representative at the termination of the work.

Guarantee:

Guarantee against defective workmanship and material for a period of one year from date of final payment. Guarantee shall include material to be replaced and all labor required.

Excavation and Backfilling:

Do all excavation of all materials encountered including rock required for work under this section. Backfill all trenches, tamping well in 6" layers. System shall be tested, made tight and accepted before backfill. Remove from premises all excess material not used in backfilling. Repair all streets, sidewalks, drives, paving, etc. damaged. Repair materials shall generally match existing construction. All backfilling and repairing shall meet all requirements of the city and others having jurisdiction. Repair work shall be thoroughly first class. Conform to all requirements of Division Two of this specification.

Cutting and Patching:

This contractor shall do all cutting of walls, floors, ceilings, etc. as required to install work under this section. Contractor shall obtain permission of the architect before doing any cutting. All holes shall be cut as small as possible. Contractor shall patch walls, floors, etc. as required by work under this section. All patching shall be thoroughly first class and shall match the original material and construction.

Rough-In:

Coordinate without delay all roughing-in with general construction. All piping, conduit, rough-in shall be concealed except in unfinished areas and where otherwise shown.

Concrete Bases:

Contractor shall furnish concrete bases for his equipment where indicated on the

drawings. Concrete housekeeping pads shall be minimum 4" thick, reinforced with 6 x 6 wire mesh, and have chamfered edges.

Access Doors:

Provide access doors in ceilings, walls, etc. where indicated or required for access or maintenance to all concealed valves and equipment installed under this section. Doors shall have concealed hinges, screwdriver-type lock, anchor straps; manufactured by Milcor, Zurn, Titus, or equal. Obtain architect's approval of type and locations before ordering.

Motors and Starters:

Provide motors and starting equipment where not furnished with the equipment package. Motors shall have copper windings, class B insulation, and standard squirrel cage with starting torque characteristics suitable for the equipment served. All motors for air handling equipment shall be selected for quiet operation. Each motor shall be checked for proper rotation after electrical connection has been completed. Motors shall have dripproof enclosure for locations protected from weather and not in air stream of fan; and totally enclosed fan cooled enclosure for motors exposed to weather. Motors shall be manufactured by Century, General Electric, Westinghouse, Louis Allis, or approved equal.

Every motor, except fractional horsepower single phase motors with an approved type of "built-in" thermal overload protection, shall be provided with a motor starter. Each starter shall be provided with overload heaters sized to the motor rating, and every three phase motor starter shall have overload heaters sized to the motor rating, and every three phase motor starter shall have overload heaters in all three phases. Ambient compensated heaters shall be installed wherever necessary. Unless otherwise, motor starters shall be furnished by the mechanical contractor for installation and connection by the electrical contractor. Starters shall be Allen-Bradley, Clark, Furnas, Square D, or approved equal.

Electrical Wiring:

All power conduit and wiring shall be furnished by the electrical contractor. All control and interlock conduit and wiring for mechanical systems shall also be furnished by the electrical contractor, except for final connections to the HVAC equipment shall be the responsibility of the HVAC contractor. HVAC contractor shall provide wiring diagrams to the electrical contractor as required to assure proper wire and conduit to the equipment.

SECTION 15250: INSULATION

Piping and Equipment Insulation:

All hot water, cold water, and condensate waste piping throughout the building: 1/2" Certainteed one-piece fiberglass covering with fire-resistant jacket with self-sealing lap, or equal Owens-Corning or Armstrong. Cover fittings with Zeston or equal premolded insulating fittings. Insulation shall be installed in a professional, neat appearing manner; poor workmanship shall be corrected at the contractor's expense.

Duct Insulation:

Duct liner shall be three pound density fiberglass, Certainteed Corp. #300 "Ultralite" or Owens-Corning "Aeroflex Duct Liner". Install with mastic and mechanical fasteners with vinyl surface on airstream side, according to manufacturer's instructions. Duct sizes shown on drawings are inside clear air size. Sheet metal must be increased by liner thickness in both directions where liner is installed. See drawings for location, thicknesses, etc.

Concealed rigid round duct shall be covered with 1 1/2" thick duct wrap, Certainteed Type IV-4 or equal Owens-Corning, 3/4 pound density, with heavy-duty Foil-Scrim-Kraft facing, and with all joints taped with 3" wide foil tape. Back side of diffuser grills to be wrapped.

All insulating materials, adhesives, coatings, etc., shall have a flame spread of 25 or less and smoke developed rating not higher than 50. All containers for mastics

and adhesives shall have U.L. Label.

SECTION 15400: PLUMBING

Utility Connections

This contractor shall provide all utility connections required and indicated on the drawings; and all interior or exterior connections to "mains" and existing service lines shall be installed complete and in strict compliance with the requirements of the codes having jurisdiction and the serving utility involved. All service lines and connection points shall be verified in the field by this contractor, and he shall work in conjunction with the utility involved in the installation of all services. This contractor shall provide all service piping and accessories required to complete connection and not furnished by the serving utility.

Plumbing Piping Materials:

Domestic water: All domestic water piping installed below base slab, or below grade, shall be type "K" soft temper tubing with flared copper fittings and connections, or type "K" hard temper copper tubing with conventional wrought copper fittings and silver solder (Silfos) joints. Care shall be taken to install as few underground copper piping joints as is possible. All domestic water piping installed below grade shall have 36" minimum cover. Provide thrust blocks, etc. as required.

All piping for hot and cold water above the slab, within the building, shall be type "L" hard temper copper tube with wrought copper fittings and soldered connections made up with 95/5 solder.

Soil and waste: All soil and waste piping above ground and inside the building shall be standard weight cast iron soil and pipe fittings. "No-hub" system is permitted above ground where allowed by code. All soil and waste piping under the base slab and to points noted outside the building wall shall be standard weight cast iron soil pipe and fittings. "No-hub" waste piping is not permitted below base slab. Where approved by local code, PVC piping (type DWV) may be used above and below the base slab.

Exterior waste piping from points noted outside the building wall, shall be vitrified clay tile sewer pipe (Wedgelock, Amvit, or equal) to its point of termination. Vitrified clay pipe shall be furnished with factory molded joints or couplings on the spigot and bell ends of the pipe, and shall be properly molded and cured to a uniform hardness and compressibility to form a tight compression joint after installation. PVC drainage piping is permitted exterior to the building (where approved by local code).

Plumbing Vents: All vent piping shall be standard weight cast iron soil pipe with cast iron drainage fittings. Vent all fixtures and conceal pipe in partitions and above ceilings. "No-hub"

system is permitted above base slab (not below slab) where allowed by code. Where approved by local code, PVC piping (type DWV) may be used above or below the base slab.

Beer & Soda System Conduit: Schedule 40 PVC pipe and fittings. (Use electrical sweep elbow).

Natural Gas: Gas piping above ground shall be standard weight black steel with galvanized malleable iron screwed fittings, or standard welded fittings. Underground gas piping shall be welded, coated, and wrapped with coal tar enamel and 15 pound felt. All buried steel gas piping shall be at least 30" below grade, and shall be provided with cathodic protection per gas company details. Driscopipe 8000 polyethylene, or Phillips 6800 Series are acceptable alternate materials for underground gas lines if approved by code and acceptable to the serving utility. All above ground gas piping shall be steel pipe. Installation shall be in conformance with utility company rules.

Piping Installation:

Pipe shall be accurately cut from job measurements and shall be neatly aligned, securely connected, and properly supported. Piping shall be thoroughly cleaned before installation. Provide pipe sleeves where piping passes through structure. Threaded, welded, and soldered joints shall be made in a workmanlike manner according to good pipe fitting practices. Welding shall be performed by a certified welder.

Cast iron pipe for sewers shall have joints connected with neoprene compression gaskets, Tyseal or equal. Lay pipe at uniform slope, free from sags, with hub end upstream. Support at each joint. Minimum slope shall be $\frac{1}{4}$ " per foot. Contractor shall verify that installation will tie in to the indicated city sewer connection elevation point prior to beginning installation. If the waste line will not tie in to termination elevation while maintaining proper fall, then contractor shall notify engineer, so that an alternate routing may be worked out.

Ferrous pipe hangers shall be Fee & Mason Figure 215 or equal Unistrut malleable iron split ring hanger; copper pipe hangers shall be Figure 361 cast brass with plated adjuster. No perforated strap iron hangers will be permitted. Fee & Mason #400 "Auto-Grip" type hangers are an acceptable alternative hanger. Concrete inserts, where required, shall be Unistrut, Midwest, or Truscon. Hangers shall be spaced at ten foot intervals or less, as required to avoid sag, prevent vibration, and allow accurate leveling or grading. Vertical piping shall be supported by Fee & Mason Figure 241 or equal clamp for ferrous piping, and Figure 368 for copper. Provide sheet metal saddles for insulated piping.

Piping Sterilization:

Sterilize the entire hot and cold water piping system with solution containing not less than 50 PPM available chlorine. Solution shall remain in the system a minimum of 24 hours, with each

valve being operated several times during the period. After completion, flush system with city water until chlorine residual is lowered to incoming city water level.

Testing:

All water piping shall be tested with 25 PSI over static water pressure but not less than 100 PSI hydrostatic pressure. Gas piping shall be tested with 30 PSIG air pressure. All waste piping shall be tested with all stacks filled with water, and any other tests required by the Plumbing Inspector. All piping shall be tested before any insulation installed, and before backfill, and shall be subject to the above pressure for an uninterrupted period of not less than 24 hours. All lines, joints, flanges, valve stems, etc., shall be leak tight.

Cleanouts:

Cleanouts shall be installed at points as noted on the drawings, as well as at the foot of each soil and waste stack, minimum every 50 feet in horizontal soil and waste lines, and at other points as required for easy system maintenance. Cleanouts shall be full size of the pipe up to 4", and 4" size for pipe above 4" size. Grease all cleanout plugs.

Plumbing Valves and Strainers:

Gate Valves: 2½" and smaller, Jenkins Figure 47-U bronze rising stem with screwed ends; 3" and larger, Jenkins Figure 651-A iron body, bronze trimmed, OS & Y, rising stem, flanged.

Check Valves: 2½" and smaller, Jenkins Figure 92-A bronze body with screwed ends; 3" and larger, Jenkins Figure 624 iron body, bronze trim, flanged.

Strainers: 2½" and smaller, Crane #988-½ iron body, screwed ends; 3" and larger, Crane #989-½ iron body, flanged.

Gas Cocks: Crane #324-½ screwed iron.

Equivalent Jenkins, Crane, Nibco, Hammond, or Mueller valves will be acceptable.

Ferrous unions shall be Crane or equal combination iron and brass, ground joint with screwed ends. Copper unions shall be Streamline or equal cast bronze sweat type with ground joint. Ferrous to copper unions shall be Universal Controls or equal dielectric type with threaded nylon insert.

Hydromechanicals:

All hydromechanicals shall be as noted on drawings, and shall be Jay R. Smith or equal Josam, Wade or Zurn.

System Accessories:

Thermometers shall be American 3" bi-metal dial with separable socket, and shall be installed where indicated or required.

Pressure gauges shall be Ashcroft 3" dial type with shut-off cock, and shall be installed where indicated or required.

Grease Interceptor:

Fabricated steel interceptor, Zurn or equal, with flow control device, to conform to all requirements of the local sewer district.

SECTION 15440: PLUMBING FIXTURES AND EQUIPMENT

Plumbing Fixtures:

Furnish and install American-Standard and Stern-Williams fixtures as scheduled, or equal Kohler or Crane plumbing fixtures. All fixtures shall be of same manufacturer where possible. Fixtures shall be set firm and true, connected to all required piping services ready to use; all fixtures shall be left clean. See drawings for quantities and descriptions.

SECTION 15650: HVAC EQUIPMENT

HVAC Rooftop Units:

All Roof top Units are existing package type gas and electric cooling units. Relocate existing controls if present at site if not provide new controls as directed by owner and shown on drawings.

SECTION 15850: AIR HANDLING

Exhaust Systems:

Roof-mounted toilet exhaust fan shall be Cook centrifugal type as scheduled on the drawings, or equal Penn, Greenheck, or Jenn-Air, complete with aluminum housing, aluminum centrifugal wheel, motor with integral overload protection, disconnect switch in housing, bird screen, gravity shutter, and Pate prefabricated roof curb.

Note: Kitchen Exhaust Hoods, Ansul System, Kitchen Fans, Make-Up Unit and Dishwasher Hood specified below to be provided by Kitchen Equipment Supplier, and installed by the Mechanical Contractor. This equipment is available through a Captive-Aire National Accounts Program; Steve Duncan, 800-762-1078. All starters for makeup air unit and exhaust fans are furnished in the relay control panel system by the Electrical Contractor. Toilet exhaust fans are not included in this package, and must be provided and installed by the Mechanical Contractor.

Kitchen Exhaust Systems:

Exhaust fans and makeup air system shall be CaptiveAire as specified below and scheduled on drawings.

Makeup air rooftop unit shall be CaptiveAire as scheduled and sized on the drawings, or approved equal, complete with supply unit with belt-drive fan section, direct-fired natural gas heater with 100% safety shut off controls, motorized inlet damper, filter section with washable filters, inlet weatherhood with birdscreen, factory wired control center with all disconnect switches, etc., mounted in a weatherproof enclosure, and 18 gauge steel housing with galvanized finish, and prefabricated roof curb. Makeup air unit supplier shall coordinate his equipment controls (with relay control panel supplier) so that the makeup air unit supply fan and hood exhaust fans are started from the Relay Control Panel. Makeup air unit supplier shall furnish motor starters, control interlocking, and any transformers required. Start/stop switches and pilot lights shall be a part of the Relay Control Panel System furnished under the Electrical contract.

Sequence of Operation. Kitchen Makeup Air System Control:

The makeup air unit fan shall be interlocked with the hood exhaust fan to operate when the exhaust fan is on. The makeup air unit is to be furnished with a leaving air temperature controller which will maintain minimum leaving air temperature during winter operation. The unit is to be furnished with an outdoor thermostat to lock out the heating section when outdoor temperature rises above its setting (60° F., adjustable).

Hood exhaust fans shall be CaptiveAire, as scheduled on the drawings, complete with roof-mounted aluminum housing, aluminum centrifugal wheel, heat baffle, UL grease approval, built-in grease trough, belt drive, motor with integral overload protection, motor starter, and disconnect switch in housing. Dishwasher hood fan shall be similar to fan specified in 15850 above.

The main kitchen exhaust hood shall be Captive Aire as scheduled on the drawings, single shell, stainless steel hood. Hoods shall be constructed in conformance with NFPA bulletin 96 and UL Standard 710, and shall be 18 gauge stainless steel with all welds polished. Hoods shall contain full length stainless steel filter holder welded to hood with integral drip trap and U.L. classified, stainless steel grease filters installed at 45 degrees from horizontal. Hood package shall include

stainless steel closure panels from top of hood to finished ceiling. Back of hoods shall be finished stainless steel where exposed to view, refer to drawings. Provide vaporproof incandescent lights in hoods. Light switch for hoods shall be located on face of Ansul system compartment. Hoods shall be ICBO approved and UL certified for air quantities as shown on drawings and in conformance with manufacturers updraft velocity factors. Certification documentation shall be furnished as a part of the shop drawing submittal. The main hood shall be furnished with a summer/winter control switch mounted on the fire cabinet next to the light switch. The electrical contractor shall wire this switch to the proper terminal on the makeup air unit.

Provide Ansul #R102 wet chemical type fire extinguishing system for each hood complete with hood nozzles, wet chemical cylinders, piping, etc. and all accessories to provide an approved, operating system. Cylinders and local controls for the system shall be contained in a special stainless steel compartment located on the end of the kitchen hood as indicated on the drawings. The system housing shall be provided by hood manufacturer. A remote pull station shall be located near the kitchen back door, recessed flush in the wall. Automatic gas shut-off valve for cooking line shall also be recessed into wall. System shall be in full conformance with NFPA Bulletin 96. System shall also be interlocked to shut off makeup air fan when activated.

Dishwasher exhaust hood shall be CaptiveAire as scheduled on the drawings, single shell stainless steel hood, with condensate baffles and stainless steel closure panels from top of hood to finished ceiling. Hood shall have construction similar to other hoods less grease filters. Contractor shall provide condensate drain from hood to floor drain. Duct connecting fan and hood shall be aluminum with liquid-tight joints and shall pitch toward the hood.

Grease Exhaust Ducts:

Ducts connecting kitchen exhaust hoods to exhaust fans shall be #16 gauge black iron with continuously welded joints and clean-out doors. Duct shall be enclosed in fireproof enclosure per BOCA or Uniform Mechanical Code if required by local code authorities.

Filters:

Filters shall be 2" thick throwaway type or as otherwise indicated. All air units shall have filters installed any time they are operated before final acceptance. Provide extra set of filters and install in units just before turning over building to owner. Manufactured by Duststop, Farr, Cambridge, or approved equal.

Ductwork:

Furnish and install all galvanized steel ductwork and housings as shown on drawings. All ducts shall be in conformance with current SMACNA Standards relative to gauge, bracing, joints, etc. Reinforce all housings and all ducts over 30" with 1¼" angles not less than 5'-6" on centers, and

closer if required for sufficient rigidity to prevent vibration. Provide airtight joints and blade elbows. Support horizontal runs of duct on not to exceed 8'-0" centers from strap iron hangers. Punch holes in ducts where required for ceiling hangers, conduits, or pipes and make airtight. Ducts above roof or otherwise exterior to building shall be #18 gauge with joints soldered or sealed with Hardcast epoxy sealer finish applied according to manufacturer's instructions. Duct sizes shown are clear inside dimension; metal size must be increased to allow for liner thickness.

All offsets in ducts of 45 degrees or more shall have turning vanes of same gauge as duct and shall be rigidly fastened with guide strips. Vanes in ducts over 30" deep shall be installed in multiple sections with vanes not over 30" long and shall be rigidly fastened.

All fans, blowers, units, etc. shall be connected to ductwork with neoprene coated glass cloth canvas connections, Duro-Dyne, Elgen, Ventfabric or equal. All canvas connections shall have a flame spread of 25 or less and smoke developed rating not higher than 50.

Provide balancing dampers where shown on drawings and wherever necessary for complete control of air flow. Where access to dampers through a suspended ceiling is required, coordinate the proper location of the access doors. Splitter dampers shall be controlled by locking quadrants; provide Young Regulator or Ventlok end bearings for the damper rod. Volume dampers shall be opposed blade interlocking type, factory made by Ruskin, APC, Air Balance, or approved equal. Provide "Spin-in" fitting with scoop-type extractor and double bearing volume dampers for all round duct branch takeoffs to individual air devices.

Round or oval duct shall be spiral lockseam sheet metal, Semco, United, or equal, with smooth interior surface, with round duct gauges per the following table:

<u>Size</u>	<u>Gauge</u>
14" & under	26
15" thru 26"	24
28" thru 36"	22
38" thru 50"	20
52" thru 60"	18

Fittings shall be welded prefabricated, 20 gauge for 36" fittings and under, 18 gauge for all larger sizes. All 90 degree tee's shall be conical type. Seal all joints in ductwork as recommended by SMACNA.

Flues:

Where flues are indicated on the drawings, furnish and install Metalbestos type QC or RV gas vent flues from the various items of gas-fired equipment up to Metalbestos flue caps above the roof. Flues shall be complete with all necessary fittings, and shall be installed as recommended by the manufacturer, and in conformance with code. Flues shall be flashed water tight at the

roof line.

Air Devices:

Provide all air devices as scheduled on drawings, manufactured by Titus, Metal-Aire, Krueger, Anemostat, Tempmaster, or Barber-Colman. Air devices shall be selected to limit room noise level to no higher than NC-35 unless otherwise shown. Provide all devices with a soft plastic gasket to make an airtight seal against the mounting surface. Contractor shall coordinate final location and frame & mounting type of all air devices with architectural drawings for ceiling finishes.

Fire Dampers:

Provide fire dampers where shown on drawings, and as required by Code enforcing authority. Fire dampers shall conform to NFPA Pamphlet No. 90A and UBC Standard 43-7 with recommended steel sleeves, fusible links, spring catches and noncorrosive bearings. Dampers shall be U.L. listed, manufactured by Ruskin, Air Balance, or American Warming & Ventilating. Provide access door in duct for inspection and service to fire damper and fusible link.

Flexible Duct:

Flexible duct shall be Class 1, insulation type, polymeric liner with steel wire helix core duct, fiberglass insulation 1½" thick and outer fiberglass vapor barrier jacket. Flexible duct run shall not exceed 10 feet in length, and be installed in as straight a line as possible. Manufactured by Thermaflex "M-KE", Certainteed, Flexmaster.

SECTION 15885 SMOKE FILTER SYSTEM

(Furnished and installed under separate contract)

The unit shall be SMOKEETER® as scheduled on drawings and manufactured by United Air Specialists, Inc., Cincinnati, Ohio (800)832-7110

The air cleaner shall be a self contained, two-stage electrostatic precipitator of the Penney type, designed specifically for commercial applications.

The product must be UL or ETL listed.

Cabinet:

Cabinet must be constructed of a minimum of 20 gauge galvanized steel with easily accessed mounting holes, inlet and outlet must have 16" diameter crimped collars to facilitate connection to ductwork. Access to collecting components to be provided by hinged door with a safety

interlock switch to break supply voltage.

Prefilter:

Prefilter must be removable and constructed of layered aluminum mesh housed in an aluminum channel frame.

Ionizer:

Ionizer must be constructed with an extruded aluminum frame which shields the ceramic insulators from the airstream. Each of 7 ionizing wires must be 7 mil in diameter and supported on each end by stainless steel springs. The springs are to be mounted on die formed support bars. Contact with the high voltage source is to be made through permanently mounted stainless steel contact springs requiring no mechanical connections. The voltage gradient shall be a nominal 10,000 volts/inch.

Collecting Cell:

Collecting Cell must have a minimum surface area of 20,160 square inches. Cell plates are to be constructed of high strength aluminum alloy and supported by 8 rods. The plates are to be convoluted to assure rigidity and maximum collection efficiency. Insulators, which support cell rods, are to be shielded from the airstream by inverted end plates. Contact with the high voltage source is to be made through permanently mounted stainless steel contact springs requiring no mechanical connections. The voltage gradient shall be a nominal 20,000 volts/inch. the cell should have a handle and weigh no more than 30 lbs. for ease of removal.

Power Pack:

Power Pack must be energy limiting and supply a minimum of 11,000 volts DC to the ionizer and 5,500 volts DC to the collecting cell. Output current must be limited to 5 milliamperes. It must incorporate a bleed off resistor to discharge the components when power is removed. The power pack must operate a lamp to indicate proper operation of collecting components.

Afterfilter:

An Afterfilter of activated charcoal is to be provided to aid in odor removal.

Blower:

Blower is to be a direct drive, forward curved, double width/double inlet, centrifugal type, and is to be mounted with rubber grommets to limit vibration.

Motor:

Motor must be two speed, permanently lubricated and inherently thermally protected. Motor shall be rated at 1/2 horsepower, 115 volts, 1 phase, 60 hertz, 7.0 amps and mounted to the blower with rubber grommets to limit vibration.

Nominal ratings to be variable from 1000 to 1600 CFM on high speed tap and 580 to 1200 CFM on the low speed setting.

Hanging weight not to exceed 150 lbs.

The unit it to be provided with a remote OFF/variable speed switch and pilot light.

The unit shall carry a three (3) year limited warranty.

SECTION 15990 TESTING, ADJUSTING, AND BALANCING

HVAC Testing, Adjusting and Balancing:

All equipment shall be adjusted to operate as intended by the specification. All bearings shall be lined up. Bearings that have dirt or foreign material in them shall be replaced with new bearings without additional cost to the owner. All thermostats and control devices shall be adjusted to operate as intended. Adjust burners, pumps, fans, etc. for proper and efficient operation. Certify to architect that all adjustments have been made and that system is operating satisfactorily. Adjust all supply outlets to supply the amount of air shown on the drawings. Further adjustments shall be made to obtain uniform temperature in all spaces. Calibrate, set, and adjust all automatic temperature controls. Check proper sequencing of all interlock systems, and operation of all safety controls.

Contractor shall employ the services of a testing and balancing firm to take test readings on all fans and units, and to adjust fan speeds to deliver specified amounts of air. A testing and balancing report log shall be made showing all air supply quantities, fan and unit test readings, etc.; log shall be submitted to the architect before final inspection of the project. Log shall be listed by unit, and shall indicate unit horsepower, motor nameplate amps, and actual amps draw after all adjustments are completed. All testing and balancing shall be accomplished under the supervision of a NEBB certified technician.

DIVISION 16: ELECTRICAL SYSTEMS

SECTION 16010: BASIC ELECTRICAL REQUIREMENTS

General Requirement:

All requirements under Division One and the General and Supplementary Conditions of these specifications shall be a part of this section. Each contractor shall be responsible to thoroughly familiarize himself with all its contents as to requirements which affect this division or section. The work required under this section includes all material, equipment, appliances, and labor required to complete the entire system as required by the drawings and specifications, or reasonably inferred to be necessary to facilitate each systems functioning as indicated by the design and the equipment specified.

Inspection of Site:

The contractor shall personally inspect the site of the proposed work and inform himself fully as to the conditions under which the work is to be done.

Material and Workmanship:

All material and apparatus shall be new and in first class condition. All material and apparatus shall have markings or a nameplate identifying the manufacturer and providing sufficient reference to establish quality, size and capacity. All workmanship shall be of the finest possible by experienced mechanics of the proper trade. In general, all materials and equipment shall be of commercial specification grade in quality. Light duty and residential type equipment will not be acceptable. All hoists, scaffolds, staging, runways, tools, machinery and equipment required for the performance of the electrical work shall be furnished by this contractor. Material and equipment shall be stored as directed by the Architect, maintained in clean condition, and protected from weather, moisture, and physical damage.

Coordination:

The contractor shall coordinate his work with other contractors and subcontractors so that various components of the electrical systems will be installed at the proper time, will fit the available space, and will allow proper service access to all equipment. He shall refer to Architectural, Structural and Mechanical Drawings and to relevant equipment drawings to determine the extent of clear spaces. He shall make all offsets required to clear equipment, beams and other structural members; and to facilitate concealing conduit in the manner anticipated in the design. The contractor shall provide materials with trim which will fit properly the types of ceiling, wall, or floor finishes actually installed.

Dimensions and Layouts:

The drawings are schematic in nature, but show the various components of the systems approximately to scale and attempt to indicate how they are to be integrated with other parts of the building. Figured dimensions shall be taken in preference to scale dimensions. Determine exact locations by job measurements, by checking the requirements of other trades, and by reviewing all Contracts Documents. The contractor will be held responsible for errors which could have been avoided by proper checking inspection.

Ordinances and Codes:

Contractor's performance, workmanship and materials shall comply with National Fire Protection Association codes, state and local building codes, and/or all other applicable codes and ordinances. Contractor shall comply with rules and regulations of public utilities and municipal departments affected by connection of services. Obtain and pay for all permits. Contractor shall be held responsible for any violation of the law. Contractor shall maintain all necessary signal lights and guards for the safety of the public.

Substitution:

This specification provides that the base bid of all contractors shall include the products specifically named, the contractor being permitted to submit in the form of alternates, with his proposal, products of any other manufacturers for similar use, provided the difference in cost, if any, is specified in each case. The terms "approved", "approved equal", or "equal" shall mean approved by the Engineer as an acceptable alternate bid. No substitutions will be considered that are not bid as an alternate.

Shop Drawings:

Submit for approval six sets of manufacturers shop drawings of all major items of equipment and all items requiring coordination between contractors. Before submitting shop drawings and material lists, the contractor shall verify that all equipment submitted is mutually compatible and suitable for the intended use, and shall fit the available space and allow ample room for maintenance. The Engineer's checking and subsequent approval of such shop drawings shall not relieve the contractor from responsibility for errors in dimensions, details, size of members, or quantities; or omissions of components or fittings; or for coordinating items with actual building conditions.

Adjusting, Aligning and Testing:

All electrical equipment on this project furnished under this Division and all electrical equipment furnished by others shall be adjusted, aligned and tested for proper operation by the electrical contractor. Complete wiring systems shall be free from short circuits. After completion, the contractor shall perform tests for insulation resistance in accordance with the requirements of the National Electrical Code.

Operation and Maintenance Instructions:

Submit to the architect three copies each of material for maintenance and operation instruction manuals, appropriately bound into manual form including approved copies of the following, revised if necessary to show system and equipment as actually installed:

- Manufacturers Catalog Sheets
- Wiring Diagrams
- Maintenance Instructions
- Operating Instructions
- Parts Lists

Contractor shall provide adequate verbal instructions of system operation to owner's representative at the termination of the work.

Start Up of Systems:

Prior to start-up of the electrical systems, the contractor shall check all components and devices, lubricate items accordingly, and tighten all screwed and bolted connections. Adjust taps on each transformer for rated secondary voltage. Check and record building's service entrance voltage, grounding conditions, grounding resistance and proper phasing. Balance all single phase loads at each panelboard, redistributing branch circuit connections until balance is achieved. Replace all burned-out lamps. After all systems have been inspected and adjusted, confirm all operating features required by the drawings and specifications and make final adjustments as necessary.

Guarantee:

Guarantee against defective workmanship and material for a period of one year from date of final payment. Guarantee shall include material to be replaced and all labor required.

Excavation and Backfilling:

Do all excavation of all materials encountered including rock required for work under this section. Backfill all trenches, tamping well in 6" layers. System shall be tested, made tight and accepted before backfill. Remove from premises all excess material not used in backfilling.

Remove from premises all excess material not used in backfilling. Repair all streets, sidewalks, drives, paving, etc. damaged. Repair materials shall generally match existing construction. All backfilling and repairing shall meet all requirements of the city and others having jurisdiction. Repair work shall be thoroughly first class. Conform to all requirements of Division Two of this specification.

Cleaning:

Dirt and refuse resulting from the performance of the work shall be removed from the premises as required to prevent accumulation. The contractor shall cooperate in maintaining reasonably clean premises at all times. Immediately prior to final inspection, the contractor shall make a final cleanup of dirt and refuse resulting from his work. The contractor shall clean all material and equipment installed under the electrical contract. Dirt, dust, plaster, stains and foreign matter shall be removed from all surfaces. Damaged finishes shall be touched up and restored to their original condition.

Cutting and Patching:

This contractor shall do all cutting of walls, floors, ceilings, etc. as required to install work under this section. Contractor shall obtain permission of the architect before doing any cutting. All holes shall be cut as small as possible. Contractor shall patch walls, floors, etc. as required by work under this section. All patching shall be thoroughly first class and shall match the original material and construction.

Rough-In:

Coordinate without delay all roughing-in with general construction. All conduit rough-in shall be concealed except in unfinished areas and where otherwise shown.

Firestopping of Floor and Wall Penetrations:

This contractor shall seal all penetrations through fire rated floor and wall assemblies in accordance with NFPA codes. The sealing system must be capable of passing a three hour test, per ASTM E-814 (UL 1479). Penetration sealing system shall be 3M Brand 7904 (CP-25 caulk, or 303 putty), or approved equal, and shall be installed in accordance with manufacturer's instructions.

Roof Penetration:

All conduit penetrating the roof shall be weathersealed with Pate Pipe Seals, installed in conformance with manufacturer's instructions. All roof penetrations shall be leaktight at the termination of the work.

Concrete Base:

Contractor shall furnish concrete bases for his equipment where indicated on the drawings.

Access Doors:

Provide access doors in ceilings, walls, etc. where indicated or required for access or maintenance to work installed under this section, Milcor or equal.

Equipment Identification:

This contractor shall furnish and install equipment identification nameplates on all panel boards, switches, starters, dimmers, etc., including switches in distribution panels. Nameplates shall be engraved phenolic plastic, and shall be firmly attached to the equipment. Nameplates shall clearly identify each item and what it controls.

SECTION 16050: BASIC ELECTRICAL MATERIALS AND METHODS

Conduit:

All conduit run underground, exposed to weather, run in masonry walls, or other hazardous conditions shall be rigid. All other conduit shall be rigid or thin wall where approved by local code. At contractor's option, rigid PVC conduit (with ground wire) may be used where permitted by code.

Final connection to each motor and transformer, and to any device which would otherwise transmit motion, vibration or noise, shall be in flexible metal conduit. Where flexible metal conduit is exposed to liquids, vapors or sunlight, liquid-tight flexible metal conduit shall be used.

Conduit Installation:

- A. All wiring shall be run in conduit.
- B. Conduit shall be installed concealed above suspended ceilings or concealed in walls or floors wherever possible. Run parallel to building lines.
- C. Conduit shall be installed to requirements of structure and to requirements of all other work on the project. Conduit shall be installed to clear all openings, depressions, pipes, ducts, reinforcing steel, etc. Conduit set in forms for concrete structure shall be installed

in such a manner that installation will not affect the strength of the structure. Except where approved in writing by the Architect, no conduit larger than $\frac{3}{4}$ " shall be run in a slab on grade and no conduit shall cross another in a slab on grade.

- D. Conduits shall be installed continuous between connections to outlets, boxes and cabinets with a minimum possible number of bends and not more than the equivalent of four 90° bends between connections. Bends shall be smooth and even and shall be made without flattening conduit or flaking enamel. Radius of bends shall be as long as possible and never shorter than the corresponding trade elbow. Long radius elbows shall be used where necessary.
- E. Conduits shall be securely fastened in place with approved straps, hangers and steel supports as required. Single conduits for feeders shall be hung with malleable split ring hangers with rod and turnbuckle suspension from inserts spaced not over 10 feet apart in construction above. Vertical feeder conduits shall be securely clamped to structural steel members attached to structure. Cable clamps shall be installed for support of vertical feeders where required.
- F. Conduit ends shall be reamed before installation and all conduit shall be thoroughly cleaned before installation and kept clean after installation. Openings and boxes shall be plugged or covered as required to keep conduit clean during construction and all conduit shall be fished clear of obstructions before the pulling of wires. All conduit shall be of ample size for pulling of wire and shall not be smaller than code requirements and not less than $\frac{1}{2}$ " in size.
- G. All electrical work shall be protected against damage during construction. Any work damaged or moved out of line after roughing-in shall be repaired to meet Engineer's approval without additional cost to the Owner.
- H. Conduit terminations at panelboards, switchboards, motor control equipment and junction boxes shall be aligned and installed true and plumb.
- I. Install approved expansion fittings where conduit or EMT passes through expansion joints.
- J. Install a pull wire in each empty conduit which is left by the contractor for installation of wires or cables by others.
- K. Make all joints and connections in a manner which will insure mechanical strength and electrical continuity.

Bushings and Locknuts:

Where conduits enter boxes, they shall be rigidly clamped to the box by a bushing on the inside and a locknut on the outside, and conduit shall enter the box squarely. Bushings and locknuts shall be made of galvanized malleable iron and shall have sharp, clean-cut threads. Where thin-wall conduit enters box, provide approved E.M.T. connectors. Use insulated grounding bushings wherever connection is subject to vibration or moisture.

Junction Boxes, Pull Boxes, Cabinets and Wireways:

Provide junction boxes, pull boxes, cabinets and wireways wherever necessary for proper installation of various electrical system according to the National Electrical Code and where indicated on the drawings. Size as required for the specific function or as required by the National Electrical Code, whichever is largest. Construction shall be of a NEMA design suitable for the environment installed.

Outlet Boxes:

All outlets including light, switch, receptacle, and similar outlets, shall be National Electrical, Appleton, Steel City, Raco or approved equal galvanized steel knockout boxes, suitable in design to the purpose they serve and the space they occupy. All outlet boxes shall be set in walls, columns, floors, or ceilings so as to be flush with the finished surface and be accurately set and rigidly secured in position.

Outlet locations:

Outlets are only approximately located on the small scale plans, and great care must be used in the actual location by consulting the various large scale detailed drawings used by other contractors, and by securing definite locations from the architect. The height of the center of outlets above the finished floor, if not otherwise specified or shown on the drawings, shall generally be as follows:

Switch Outlets	48" above floor
Wall Receptacles	18" above floor

Wire:

All wire shall have copper conductors, with U.L. label. All wire shall be run in conduit. All wire #8 and larger shall be type THW thermoplastic building wire with stranded conductors. All wire #10 and smaller shall be type THW or THHN thermoplastic building wire with solid conductors. Wire through fluorescent fixture channels shall be type THHN. All branch circuit wiring shall be not smaller than #12 wire. Control wiring shall have 600V insulation and shall be of the proper type, size and number as required to accomplished specified function.

Wiring Installation:

- A. All wiring shall be installed in approved raceway and enclosures.
- B. Support all wire and cables in vertical installations as required by code by installing cable supporters or plug-type conduit riser supports.
- C. All wire and cable in conduit shall be continuous without taps or splices. All splices or taps shall occur in approved boxes and enclosures and shall be kept to the minimum required, and shall be made up with approved solderless connectors. All splices, taps, and joints shall be insulated as required by code.
- D. All materials used to terminate, splice or tap conductors shall be designed for, properly sized for, and U.L. listed for the specific application and conductors involved, and shall be installed in strict accordance with the manufacturer's recommendations, using the manufacturer's recommended tools.
- E. Where wire is indicated to be installed, but the connection is indicated "future" or "by others", contractor shall leave a minimum of 3 feet of "pigtail" at the box, tape the ends of the conductors, and cover the box.
- F. Conductors shall have insulation of the proper color to match NEC color code system. In larger wire sizes where properly colored insulation is not available, the contractor shall use vinyl plastic electrical tape of the appropriate color around each cable at all termination points, junction and pull boxes.
- G. All terminal blocks and wire terminals for control wiring shall be properly numbered for identification with vinyl stick-on markers or equivalent.
- H. Voltage drop in branch circuits shall not exceed 2%.

Wiring Devices:

Furnish and install the following outlets and switches where shown or required. All outlets and switches must be of the same manufacturer and not mixed on the project. Color of toggles and receptacles shall be ivory; except in wood paneled areas which shall be brown.

Duplex Receptacle:	Pass & Seymour #5352
Single Pole Switch:	Pass & Seymour #20AC1
Three-way Switch:	Pass & Seymour #20AC3
Pilot Light Switch:	Pass & Seymour #20AC1-RPL
Key Switch:	Pass & Seymour #20AC1-L

Equivalent Hubbell, Leviton, Arrow-Hart, Bryant, and General Electric will be acceptable.

Switch and Outlet Cover Plates:

All switch and outlet plates shall be P&S Sierra satin stainless steel; except in wood paneled areas which shall be brown plastic. Switch plates in unfinished rooms and spaces shall be stamped steel plates, cadmium plated. Groups of switches shall be under one gang-plate, usually mounted horizontally; where required by details, vertical mounting shall be used instead. Plates shall be set plumb, parallel, and shall finish flush with the wall. Weatherproof cover plates shall be stainless steel type 302 with PVC gasketing. Plates shall be Sierra WPD or equal with separate lift covers for each device.

Wiring of Mechanical Equipment:

Furnish and install all power wiring, and all control and interlock wiring of all units, pumps, fans, water heaters, door operators, etc. Connect per manufacturer's wiring diagrams. Furnish and install all disconnect switches as required.

This contractor shall verify the actual wire sizing amps for mechanical equipment from the equipment nameplate; electrical installation shall be based on actual required amperages, which may vary somewhat from the wire and equipment sizes shown on the drawings. Properly sized electrical wire and equipment shall be furnished without extra cost to the contract.

Wiring of Thermostats and Temperature Controls:

Furnish and install all control, interlock, and power wiring of all thermostats and temperature control devices including wall-mounted sensors, timeswitches and override timers, etc. See drawings for locations; see Section 16400, Relay Control Panels, of this specification for description of control.

Connection of Equipment Furnished by Others:

This contractor shall rough-in, and then completely connect after equipment installation by others, all kitchen and bar equipment, etc., as detailed and noted on the drawings, except for those items specifically noted to be connected by others. Outlets and approximate loads for the various items of equipment are noted on the drawings. It shall be the responsibility of this contractor to verify exact locations and electrical characteristics of such outlets, as well as to verify the required method of termination for each item (such as junction box, special receptacle, etc.). Compliance with proper termination requirements shall be part of the contract and shall be met without additional expense to the owner.

Provide wiring of fire extinguishing system for exhaust hoods including electrical interlock of automatic fuel shut-off valves and/or provision of shunt trip breakers for shut-off of electrical equipment under hood.

Telephone System Provisions:

Provide and install telephone service conduit as shown on drawings or as required by telephone company. Provide and install 4'x4'x $\frac{3}{4}$ " plywood board (and two duplex outlets) on wall for telephone equipment at location as shown on drawings. Provide and install flush mounted telephone outlet boxes with $\frac{3}{4}$ " conduit stub-up concealed to accessible ceiling space at locations shown on drawings.

SECTION 16400: SERVICE AND DISTRIBUTION

Connection to Serving Utilities:

Contractor shall provide proper termination, metering provisions, etc. for electrical and telephone services for connection by the serving utility, in strict compliance with the requirements of all codes having jurisdiction and of the serving utility involved. All service terminations and connection points shall be verified in the field by this contractor, and he shall work in conjunction with the utility involved in the installation of all services. This contractor shall provide all conduit, accessories, etc. required for complete utility companies involved within two weeks after notice to proceed, of all required information necessary in order for the utility to supply the project without delay. Electrical contractor shall pay all charges of the serving utility for the electrical service.

Electrical Service:

See drawings for type, size, voltage, phase, etc.

Grounding:

All conductors, conduits, motor frames, etc. in this contract which require grounding shall be permanently and effectively grounded by this contractor in a thorough and efficient manner conforming in all particulars to the National Electrical Code.

Disconnect Switches:

Contractor shall furnish and install Square D fused or non-fused (as noted or required) NEMA heavy duty externally operated safety switches where not furnished with the starting equipment, and at all other points required by code. Fuse holders shall have Class R rejection feature. Construction shall be of a NEMA design suitable for the environment installed. Switches shall be a part of the national accounts program described below.

Fuses:

Each circuit and set of fuse clips throughout the job shall be equipped with Buss or approved equal Shawmut or Brush fuses, size and type as required or indicated. Fuses used to protect motors shall be UL Class RK5, similar to Fusetron. All fusible switches throughout the project shall have fuse holders with Class R rejection feature. All fused devices shall be labeled as to type and size of fuse required.

NOTE: Distribution panelboard, lighting/power panelboards, disconnect switches, and relay control panels specified below are a part of a national accounts program and shall be purchased through

Suncoast Environmental Controls, Inc.
7000 Bryan Dairy Road, Bldg A-4
Largo, Florida 34647
Attn: Steve Gyorke (813)544-6679

Power Distribution Panelboard:

Furnish and install Square D, I-Line Type HCM, circuit breaker distribution panelboard with number and size of circuit breakers as scheduled and located on the drawings. Panels installed as service entrance equipment shall be permanently marked to identify it as suitable for use as service entrance equipment. The combined series integrated equipment short circuit rating of the main and branch circuit breakers shall not be less than 65,000 A.I.C. The panelboard shall be complete with thermal magnetic plastic case circuit breakers of the bolt-on type assembled in a finished cabinet. All buses shall be copper only, included phase, neutral, and ground buses. All 2 and 3 pole breakers must be common trip. Special silk-screened circuit labeling is required.

Panelboards:

Furnish and install Square D Type NQOD lighting/power panelboards, as scheduled and located on the drawings. The panelboard shall be complete with thermal magnetic plastic case circuit breakers of the bolt-on type assembled in a finished cabinet. Breakers used as switches for 120 volt lighting circuits shall be approved for the purpose and marked "SWD". Plug-in type breakers will not be acceptable. All buses shall be copper only, including phase, neutral, and ground buses. All 2 and 3 pole breakers must be common trip. Special silk-screened circuit labeling is required for all panels.

Relay Control Panels:

Furnish and install special relay control panel system including all components, etc., as specified and as shown on the drawings, as manufactured by Suncoast Environmental Controls, Inc.

Control Panel System shall include all switches, pilot lights, magnetic starters, relays, contactors, timeswitches, etc. as required to control several groups of exterior lighting, rooftop HVAC units, exhaust and makeup air units for kitchen hoods, Ansul fire extinguishing systems, etc. Special silk-screened circuit labeling is required for all control items. Control panel system shall also include wall-mounted temperature sensors for RTU's.

SECTION 16500: LIGHTING

NOTE: Lighting fixtures for this project (except as otherwise indicated) are a part of a national accounts program and may be purchased through:

City Lighting Products Co.
5001 Stilwell Street
Kansas City, MO 64120
Attn: Gary Meier, (816)231-4080

Contractor shall be responsible for contacting this firm to verify all items of equipment being furnished, and to include in his bid the cost of all other items required for installation, but not being furnished under the lighting fixture program.

Lamps:

Lamps for all lighting fixtures shall be provided and installed by this contractor. Provide lamps indicated on the drawings, or if not indicated, as recommended by the fixture manufacturer. In all cases lamps shall be compatible with specified fixture. All fluorescent lamps shall be cool white, unless noted or directed otherwise. Incandescent lamps shall be type and wattage as shown on the drawings and shall be 130 volt unless otherwise scheduled or specified.

Ballasts:

All fluorescent fixtures shall be equipped with energy saving, high power factor ballasts, solid packed CBM Type "P". Provide special ballast types where indicated in the light fixture schedule or as required for proper operation. All ballasts installed in outdoor fixtures shall be suitable for -20°F temperature operation.

Light Fixture Locations:

Light fixtures shown on the electrical drawings represent general arrangements only. Refer to Architectural drawings for more exact locations. Coordinate location with all other trades before installation to avoid conflicts. Light fixtures locations in mechanical rooms shall be coordinated with final installed piping and ductwork layouts.

Light Fixtures:

Provide light fixtures as scheduled on drawings. This shall include all lamps, material and labor to securely hang fixtures, clean them and make them completely ready for use. All light fixtures shall include all necessary accessories required. Light fixture models scheduled on the drawings are to show the manufacturer, grade and style of fixtures required only. Provide all hangers, supports, and miscellaneous hardware required to install light fixtures. Provide proper trim to fit each ceiling condition actually encountered.

BOCA BASIC/NATIONAL BUILDING CODE

Plan

Review #

Date

Sq. Feet.

JURISDICTION

BUILDING LOCATION

Brook Plains (City, County, Township, etc.)

Job Name

Applesbee's

New Building

☐

Addition

☐

Alteration

☐

Other

☐

Construction Classification

Use Group

Block

Lot

CORRECTION LIST

No.	DESCRIPTION	Page	Re- vised 54	Code Section	C Ch
1	Flam Spread & Smoke on OK				
2	Carpet. OK				
3	Drop Ceiling Fire Rated				
4	Smoke detectors if 2000 CFM 8" on Smoke detector Shut off.				
5	on Supply Side of Duct. if 15000 CFM SPD				
6	Shut off. on Return Side of Duct				
7	Awning must have Fire Retardant Certificate on				
8	Fabric OK				
9					
10					
11					
12					
13					
14					
15					

Other Comments:

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723



Joseph C. Scarpelli, Mayor

Township Council:
Victor Cantillo, President
Stephen C. Acropolis
Helen Fayad
Lee Hartman
Thomas G. Maiorine
Mary Lou Powner
Michael A. Thulen

Department of Administration & Finance

Division of Inspections
A. J. Cierzo
Construction Official
(908) 262-1024
Fax: (908) 920-4850

UNIFORM CONSTRUCTION CODE

Chapter 23, Title 5

APPROVAL OF PART 5:23-2.16 (g)

and

PARTIAL FILING 5:23-2.15 (3)

OWNER/AGENT

Gross

*apple food
service*

ADDRESS

70th Cedar Bridge - RCL

TOWN

Brick, NJ

ZIP CODE

BLOCK

671-

LOT(S)

8

☐ FOOTING

☐ FOUNDATION

☒ OTHER *fit-up*

☐ OWNER/AGENT PROCEED AT OWN RISK

London Khan

SIGNATURE OF OWNER/AGENT

[Signature]

SIGNATURE OF BUILDING SUB-CODE OFFICIAL

Arthur Cierzo

SIGNATURE OF CONSTRUCTION OFFICIAL

TOWNSHIP OF BRICK
OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723



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Department of Administration & Finance

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Construction Official
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U N I F O R M C O N S T R U C T I O N C O D E

Chapter 23, Title 5

APPROVAL OF PART 5:23-2.16 (g)
and

PARTIAL FILING 5:23-2.15 (3)

OWNER/AGENT

Gross

*apple pond
dinner*

ADDRESS

70th Cedar Bridge - RCL

TOWN

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BLOCK

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Lordon Whon

SIGNATURE OF OWNER/AGENT

[Signature]

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Division of Inspections
A. J. Cierzo
Construction Official
(908) 262-1024
Fax: (908) 920-4850

9/11/95
DATE

RE: 5:23-1.4 Prior Approvals

Applies Brick Plan to Chambers Bridge Rd

LOCATION

671

BLOCK

8
LOT

AFFIDAVIT:

I Gordon Gross hereby request a partial
filing to proceed with construction of footings and foundation only at
the above referenced location at my own risk. I understand and
acknowledge that the issuance of this prior approval is subject to
further approvals as are normally required. I understand that
adjustments in the foundation and first floor elevation may be
necessary in order to comply with the approved plot plan grading.
The below department approvals are required prior to issuance.

X [Signature]
APPLICANT

SIGNATURE OF TOWNSHIP ENGINEER
OR ASSISTANT ENGINEER

DATE

SIGNATURE OF ZONING OFFICER

DATE

SIGNATURE OF BUILDING SUB-CODE OFFICIAL

DATE

SIZING FOR WATER AND SEWER SERVICES

Property Owner Apple Foods Date 9-14-95

Property Address 60 CHAMBERS BRIDGE Block 671 Lot 8

Zoning _____ Use Group _____

Contractor _____ License No. Registration _____

Water Main Size _____ Water Pressure _____ Sewer Main Size _____

Plumbing Fixtures	Number	(sfu)	Water Units	(dfu)	Drainage Units
1. Water Closet	<u>5</u>	()	<u>50</u>	()	
2. Lavatory	<u>6</u>	()	<u>12</u>	()	
3. Bath Tub	<u>1</u>	()		()	
4. Shower Stall	<u>1</u>	()		()	
5. Kitchen Sink	<u>2</u>	()	<u>8</u>	()	
6. Service Sink	<u>1</u>	()	<u>3</u>	()	
7. Laundry Tray		()		()	
8. Dishwasher	<u>1</u>	()	<u>4</u>	()	
9. Washing Machine		()		()	
10. Urinal	<u>2</u>	()	<u>10</u>	()	
11. Floor Drain		()		()	
12. Drinking Fountain		()		()	
13. Air Conditioner (water cooled)		()		()	
14. Dental Unit		()		()	
15. Lawn Sprinkler No. of Heads		()		()	
16. Fire Sprinkler No. of Heads		()		()	
17. <u>ice</u>	<u>1</u>	()	<u>1</u>	()	
18. <u>soda</u>	<u>2</u>	()	<u>2</u>	()	

Total 90

Gallons per minute 41

Size of Service 1 1/2

Date: 9-14-95

Approved: Daniel Newman
Brick Township Plumbing Inspector



Applebee's

9845 - CC 147 (Squire/Northbridge) Print#Apple
 9845 - CC 187 (Squire/Northbridge) Coors Solid

Masland Carpets, Inc., 401 East Louthier Street, Carlisle, Pennsylvania 17013
 Phone: 717-249-1866 Telex: 510-650-3512 Fax: 717-249-0965

\$12.95 sq yd FOB mill

SPECIFICATION DETAILS

SOIREE' - Grade 9843

Surface Texture:

Patterned Cut

Weave:

Tufted

Stitches Per Inch:

14.2

Gauge:

1/10"

Tufted Pile Height:

.250"

Pile Yarn:

100% BCF Marquēsa^(R) Lana/ST Solution
 Dyed Olefin with Scotchgard^(R)

Tufted Pile Weight:

42.0 ounces per sq. yd.

Total Weight:

82.0 ounces per sq. yd.

Dye Method:

Solution Dyed

Primary Back:

Woven Poly

Secondary:

Synthetic

Passes Surface Flammability Test DOC-FF-1-70.

Flooring Radiant Panel, ASTM Test Method E-648:

Average Critical Radiant Flux greater than 0.22 watts/sq. cm.
 NFPA, Life Safety Code - Class II.

Smoke Density Test, National Bureau of Standards Procedure
 Technical Note 708 and NFPA 258-1976, average flaming mode less
 than 450.

Qualifies for Amoco's 10 Year Wear Limited and 10 year Antishock
 Limited Warranties.

Qualifies for Amoco's Limited 5 Year Stain and Fade Resistance
 Warranty.

2876

Independent Textile Testing Service, Inc.

P.O. Box 1948 / 1503 Murray Avenue
Dalton, Georgia 30722-1948 / Phone 404-278-3013

REPORT

CUSTOMER: Masland

June 21, 1989

SUBJECT: Specimens of the submitted sample were prepared and tested in accordance with ASTM E-648 and/or Federal Test Method 372, NFPA 253.

FLOORING RADIANT PANEL TEST

SAMPLE DESCRIPTION:

Style: 1000 Soiree
Roll #: 3293-2A
Secondary Backing: Woven Synthetic

TEST ASSEMBLY

Mounted on Sterling Board

TEST RESULTS:

	<u>Specimen #1</u>		<u>Specimen #2</u>		<u>Specimen #3</u>	
Critical Radiant Flux:	.24	watts/cm ²	.30	watts/cm ²	.27	watts/cm ²
Total Burn Length:	62.0	cm.	54.0	cm.	58.0	cm.
Flame Front Out:	63.0	minutes	78.0	minutes	64.0	minutes

AVERAGE CRITICAL RADIANT FLUX: .27 watts/cm²

Estimated Standard Deviation: .03 watts/cm²

Coefficient of Variation: 11%

Ex U.P. Henry mfg
AUTHORIZED SIGNATURE

NVLAQ

INDEPENDENT TEXTILE TESTING SERVICE, INC.

Our letters and reports are for the exclusive use of the customer to whom they are addressed and their communication to any others or the use of the name of Independent Textile Testing Service, Inc. must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of the Independent Textile Testing Service, Inc. are not to be used under any circumstances in advertising to the general public.

NVLAP**Independent Textile
Testing**

Service, Inc.

P.O. Box 1948 / 1503 Murray Avenue
Dalton, Georgia 30722-1948 / Phone 404-278-3013

TEST NUMBER

2876

CUSTOMER: Masland

June 21, 1989

SUBJECT: Specimens of the submitted samples were prepared and tested in accordance with the procedures proposed by the National Bureau of Standards, Technical Note 708 and NFPA 258, ASTM E-662.

SMOKE DENSITY TEST (NBS)Operating ConditionsIrradiance: 2.5 watts/cm² G Factor 132
Thermal Exposure: Flaming
Furnace Voltage: 107
Burner Fuel: PropaneSample DescriptionStyle: 1000 Soiree
Color:
Roll No.: #3293-2A
Fiber:
Pile:
Secondary Backing: Woven SyntheticTest Results

	#1	#2	#3	Avg.
Chamber Temperature, °F. (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H ₂ O			

Min. Transmittance (TM), %	12%	45%	45%	
at, minutes	12.50	5.50	9.20	9.07
Max. Spec. Opt. Density (DM)	122	178	178	159
Clear Beam, (OC)	16	20	21	19
DM, CORRECTED (DMC)	106	158	157	140
Spec. Opt. Density at 1.5 min.	3	5	7	5
Spec. Opt. Density at 4.0 min.	82	168	127	126
Time to 90% DM, minutes	10.00	3.15	8.20	7.12
Time to DS, 18, minutes	1.90	1.75	1.65	1.77

Ex VP Harry Fy
AUTHORIZED SIGNATURE

INDEPENDENT TEXTILE TESTING SERVICE

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of the Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.

AWNING MATERIAL

Webblon®



by *Astrup*

- 62 inches wide, 15 ounces per square yard.
- Coastline Plus™ is vinyl laminated on a weft inserted scrim base fabric containing high tenacity Trevira® polyester from Hoechst Celanese. The scrim base fabric utilizes 1000 denier yarns anchored by 70 denier yarns.
- Treated with Customspun™ and Rain Kleen®, Water, mildew and abrasion resistant.
- Flame resistant to California State Fire Marshal Standard Reg. F-69.
- Fabric classified by Underwriters Laboratories Inc.® as to Flammability only -397A.
- Available in 36 solids (sampled on this card), 17 stripes, 11 Continental stripes and 8 Continental Shadyside stripes.
- Tear strength: 125 x 125 lbs.
- Tensile strength: 220 x 220 lbs.
- Put up in approximately 50 yard rolls.
- Extra strength with manageable weight for superior resistance to sag and stretch.



Fabric Classified by
Underwriters Laboratories Inc.®
as to flammability only
397A



AWNING MATERIAL



March 29, 1990

Wallpaper

Applebees International
Two Pershing Square
2300 Main St.
Kansas City, MO 64108
Attn: Ms. Connie Church

LETTER OF CERTIFICATION

The wallcovering item listed below supplied to Comwall, Inc. on RJF Invoice Number 0840-264750 dated 2-14-90 meets Federal Specification CCC-W-408A for the Type material shown below. This material was formulated and produced using ingredients, proportions and techniques similar to those used in producing material which was tested according to ASTM E-84 and found to have results as listed below when applied with BFG A-848-B adhesive in accordance with the application instructions provided with the product.

This material is labeled under the Underwriters Laboratories Classification and Follow-up Service for wallcovering and is listed, as the Type shown below, in the January, 1988 U.L. Building Materials Directory under listing No. R4616(N), page 200. The classification marking on the packages included the proper Fire Hazard Classification and shall be the only evidence that this material has been produced under Follow-up Service.

This material contains the "Early Warning Effect" fire protection.

<u>Pattern</u>	<u>Specification</u>	(CCC-W-408A) <u>Type</u>	(U.L.) <u>Type</u>	Flame <u>Spread</u>	Smoke <u>Development</u>
Kord-O-Roi	63-39-3815-71-3	I	I-G	15	5

Sincerely yours,

RJF International Corporation

Mark A. Mackey
Mark A. Mackey
Product Engineer

COMMERCIAL WALLCOVERINGS, INC.
SHOWROOM - OFFICE - WAREHOUSE
1335 Swift Avenue, North Kansas City, MO 64116
816-472-5066 • FAX 816-472-5068 • WATS 800-333-9595

Members

Gary Casperson, Chairman
Walter F. Rehak, Vice Chairman
Robert Singer, Secretary-Treasurer
Leon Dwulet, M.D.
Barbara Hierung
Robert S. Laureigh
John J. Mallon
Patricia Seeber
Warren Wolf
James F. Lacey, Freeholder Liaison
Seymour J. Kagan, Counsel



OCEAN COUNTY HEALTH DEPARTMENT

P.O. Box 2191
Toms River, N.J. 08754-2191
908-341-9700

Herbert W. Roeschke
Public Health Coordinator

Township of Brick
401 Chambersbridge Road
Brick, New Jersey 08723

September 19, 1995

Re: Proposed Floor Plan
Block 71 Lot 8
APPLEBEES
ROUTE 70 & CEDARBRIDGE ROAD
BRICK, NJ 08723

Dear Sir:

I have reviewed the floor plans for the above-referenced proposed food establishments and have found them to be in substantial compliance with Chapter XII, the New Jersey State Retail Food Code.

If you should have any questions, please feel free to contact me at this office.

Very truly yours,

Stephen Klaniecki
Stephen Klaniecki
Sanitary Inspector

cc: Brick Township Board of Health
Brick Township Construction Official (Arthur Cierzo)

OCEAN COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

Establishment Trading Name APPLEBEER'S	Establishment License No. TO BE OBTAINED	Date 9-15-95
Signature of Inspecting Official <i>Stephen J. Lianich</i>	Municipality BRICK	Time - (2400 Hours) Begin 0700
REG. NO.	REMARKS (Please specify area)	
	This establishment is found to be in satisfactory compliance with chapter XII. Note: This Department is to be notified at least 48 hours prior to intended operation for a pre-opening inspection.	

H.D: 67

TOWNSHIP OF BRICK

ZONING PERMIT

Date of Issue: August 28, 1995 1995 Z 1308

Block 671 Lot 8 Zone B-3, H.D.

Property Address: Brick Plaza

Owner: Federal Realty Investment (Phone): _____

Applicant: Gordon Gross; Apple Food Service (Phone): (201) 818-4707

Use: Brick Plaza Unit (former Shoe-Town).

Proposed Construction (if any): Tenant fit-up for "Applebee's Neighborhood Grill
and Bar" restaurant.

Conditions: _____

Please note that Building Permits, as well as Zoning Permits, must be obtained prior to any construction.

This permit shall be null, void and of no effect if any of the facts contained in the application upon the basis of which this permit was granted are false or untrue in any material respect. This permit shall expire one (1) year after the date of issuance if the use or substantial construction has not been commenced.

Sean Kinney
Sean Kinney Land Use Officer

CHECK NO.	CHECK DATE	VENDOR NO.
120	11-1-95	2001

55-95/212

CHECK NO. 000120



APPLE FOOD SERVICE OF BRICK, INC.
7 PEARL COURT
ALLENDALE, NEW JERSEY 07401

INDEPENDENCE BANK OF NJ
ALLENDALE, NJ 07401

CHECK AMOUNT

1929.85

One thousand nine hundred twenty nine and 85/100

PAY
TO THE
ORDER OF

Township of Brick
Affordable Housing Trust Fund
401 Chambers Bridge Road
Brick, N.J. 08723

Edward W. Roberts
AUTHORIZED SIGNATURE

⑈000120⑈ ⑆021200957⑆ ⑈01102927 ⑈

TO: Scott Pezarras

FROM: Carol A. Wolfe
Affordable Housing AdministratorRE: ☒ Mandatory Development Fee
☐ Inclusionary Development Fee

DATE: Nov. 6, 1995

Appleby's
Rest.

Enclosed please find check number 000120, drawn on
the account of Apple Food Serv. in the amount of \$ 1,929.85
which represents fees levied against Block 671 Lot 8.

Collection of said fees as authorized by Township Ordinance
354-2C-93, is pursuant to N.J.S.A. 52:27d-301 et. seq. and N.J.A.C.
5:92-18 et. seq.

Received in Treasurer's Office by:

Holly Milano
Signature

Date

11.06.95

CAW/bmb

cc: CKLTR-MDF

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY

401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Carolyn L. Patetta, Mayor

Township Council:

Warren H. Wolf, President
Albert Chrobocinski
Victor Cantillo
Helen Fayad
Lee Hartman
Thomas G. Maiorino
Mary Lou Powner



Office of Affordable Housing
Carol A. Wolfe
Affordable Housing Administrator
(908) 262-1048

TO: Frederick Millman, CTA
Tax Assessor

FROM: Carol A. Wolfe
Affordable Housing Administrator

RE: Block 67, Lot 5

DATE: 8/30/91

Eric P. King
Apple Ford Sen
7335,000



Please review the attached application for a **Preliminary** construction permit.

The estimated equalized added assessment for the construction at the above site is \$ _____.

Preliminary

Frederick R. Millman, CTA

Date



Please review the attached application for a **Final** Certificate of Occupancy / Approval.

The final equalized added assessment for construction at the above site is \$ _____.

Final

Frederick R. Millman, CTA

Date

CHECKER	INVOICE NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
Portable Housing Permit		17100-52				

CHECK NO.	CHECK DATE	VENDOR NO.
10	9-6-95	2001

55-95/212

CHECK NO. 000010



APPLE FOOD SERVICE OF BRICK, INC.
7 PEARL COURT
ALLENDALE, NEW JERSEY 07401

INDEPENDENCE BANK OF NJ
ALLENDALE, NJ 07401

CHECK AMOUNT
1929.85

One thousand nine hundred twenty nine and 85/100

BY
OF THE
ORDER OF

Township of Brick

[Signature]
AUTHORIZED SIGNATURE

⑈000010⑈ ⑆021200957⑆⑈011⑈02927 4⑈

Recd 9/7/95
Bernadette Banochein

OCEAN COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

Establishment Trading Name APPLEBEE'S	Establishment License No. TO BE OBTAINED	Date 9-15-95
Signature of Inspecting Official <i>Stephen J. Lianichi</i>	Municipality BRICK	Time - (2400 Hours) Begin 0800
REG. NO.	REMARKS (Please specify area)	
	<i>This establishment is found to be in satisfactory compliance with chapter XII.</i> <i>Notes: This Department is to be notified at least 48 hours prior to intended operation for a pre-opening inspection.</i>	

Pages

November 14, 1995

Brick Plaza Shopping Center/Applebees

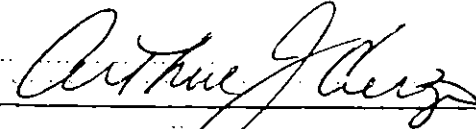
Temporary Certificate of Approval

30 days good till 12/28/95

BUILDING - a) Railings, handicapp ramp

b) Exit lights to be changed, not to code

ELECTRIC _ Temporary 30 days

A handwritten signature in cursive script, reading "Arthur J. Cierzo", written over a horizontal line.

Arthur J. Cierzo
Construction Official

MEMORANDUM

Date: September 19, 1995

To: Ray Korkowski
City of Brick, N.J.
Building Dept.

From: Sean Matthews / Ekhooff, Ochenkoski & Polk Architects

RE: Applebees

The following items are no longer being used in the Brick, New Jersey Applebees and have been eliminated from sheet P3.

*Water Softener
Back Flow Preventor*

I have also sent a copy of this note to the Health Dept.

END OF MEMORANDUM

Ekhooff,

Ochenkoski

Polk

Architects

201

West

Short

Street

Suite

700

Lexington,

Kentucky

40507

Tel 606-231-7538

Fax 606-255-4380

201 West Short Street
Suite 700, Lexington, Ky. 40507
PHONE: 606.231.7538
Fax: 606.255.4380

Project No: 9545
Date: SEPT 18, 95.

Ekhoff, Ochenkoski & Polk Architects

FAX TRANSMITTAL

To: RAY KORKOWSKI

Fr. : SEAN MATHEWS

Fax No. 1-908-262-8954

Re: BRICKTOWN N.J.
APPLEBEES

Number of Pages Transmitted Including Cover Sheet :

Comments :

If disruption of fax transmittal occurs, please call 606.231.7538 immediately.

**ARCHITECT'S
SUPPLEMENTAL
INSTRUCTIONS**

Owner
Architect
Consultant
Contractor
Field
Other

☐
☐
☐
☐
☐
☐
☐

PROJECT: Applebees Neighborhood Grill & Bar
Brick Plaza Shopping Shopping Center
Brick, New Jersey

**ARCHITECT'S SUPPLEMENTAL
INSTRUCTION NO:** 001

OWNER: Eastern Hospitality Inc.

DATE OF ISSUANCE: 09-18-95

TO: Ray Korkowski
City of New Jersey

ARCHITECT: *Ekhoff, Ochenkowski, & Polk Architects*
201 W. Short St. Suite 700
Lexington, Kentucky

CONTRACT FOR: Restaurant

ARCHITECT'S PROJECT NO: 9545

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect.

Description:

Gas line size from meter to first branch take-off should be changed from 3" to 4".

Gas line size to water heater should be changed from 1 1/4" to 1 1/2".

Sewage flow rate is 3060 GPD.