

Governmental Agencies

Building Data

BUILDING CODE:
INTERNATIONAL BUILDING CODE 2005
MECHANICAL CODE:
INTERNATIONAL MECHANICAL CODE 2005
PLUMBING CODE:
INTERNATIONAL PLUMBING CODE 2005
ELECTRICAL CODE:
2005 INTERNATIONAL ELECTRICAL CODE
FIRE CODE:
INTERNATIONAL FIRE CODE 2005
FUEL CODE:
INTERNATIONAL FUEL GAS CODE 2005
ENERGY CODE:
IECC 2005
ACCESSIBILITY CODE:
ICC-ANSIA 171-1998

IBC OCCUPANCY CLASSIFICATION: A2

IBC CONSTRUCTION TYPE: V-B

OCCUPANT LOAD:

SERVING:	1200 SF NET	108 SF =	1
KITCHEN:	1200 SF NET	665 SF =	3
OFFICE:	1400 SF NET	54 SF =	1
ORDER:	17 SF NET	246 SF =	35
DINING:	115 SF NET	126 SF =	81
OVERALL:			121 TOTAL

SPRINKLERS: NONE

PLUMBING FIXTURES:

WATER CLOSETS	3
URINALS	1
LAVATORIES	2

EXIT WIDTH PROVIDED:

KITCHEN EXTERIOR DOOR	42"
ENTRY B EXTERIOR DOOR	36"
DINING A EXTERIOR DOOR	36"
ENTRY A EXTERIOR DOOR	36"
TOTAL:	150"

EXIT WIDTH REQUIRED BY CODE: = 9'6" (32" MIN)

Building Department

DEVELOPMENT SERVICES DEPARTMENT
1136 WASHINGTON STREET
COLUMBIA, SOUTH CAROLINA 29217
PHONE: (803) 545-3482
FAX:
CONTACT: AARON QUALIO

Health Department

RICHLAND COUNTY HEALTH DEPARTMENT
8500 FARROW RD. BUILDING 12
COLUMBIA, SOUTH CAROLINA 29203
PHONE: (803) 576-2910
FAX:

Fire Marshal

FIRE MARSHAL
1136 WASHINGTON STREET
COLUMBIA, SOUTH CAROLINA 29217
PHONE: (803) 545-3462
FAX:
CONTACT: GEORGE ADAMS



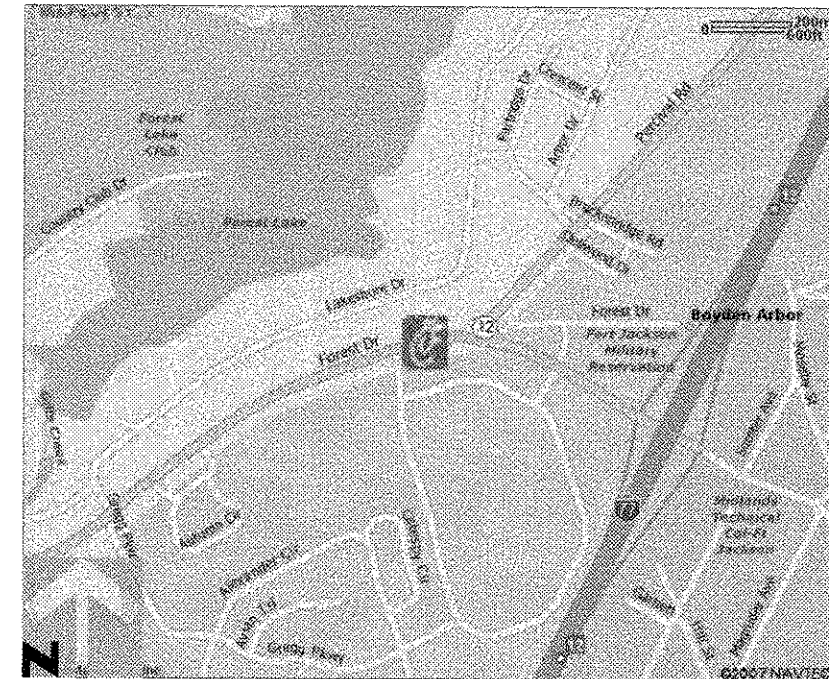
5200 BUFFINGTON ROAD
ATLANTA, GEORGIA 30349-2998
PHONE: (404) 765-8000
FAX: (404) 684-8550

SERIES 75
REMODEL
FOREST DRIVE FSU
5440 FOREST DRIVE
COLUMBIA, SC 29206

FEBRUARY 16, 2007

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VICINITY MAP

Architect:

BBI ARCHITECTURAL SERVICES
5800 ONE PERKINS PLACE
SUITE 6B
BATON ROUGE, LA 70808
PHONE: (225) 761-5191
FAX: (413) 410-7730

Mechanical Engineer:

BENOR ENGINEERING
3000 LANGFORD ROAD
BUILDING 2400
NORCROSS, GA 30071
PHONE: (770) 729-1422
FAX: (770) 729-0490

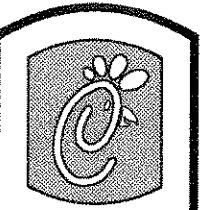
Plumbing Engineer:

BENOR ENGINEERING
3000 LANGFORD ROAD
BUILDING 2400
NORCROSS, GA 30071
PHONE: (770) 729-1422
FAX: (770) 729-0490

Electrical Engineer:

KURZYNSKE & ASSOCIATES
825 THIRD AVENUE, SOUTH
NASHVILLE, TN 37210
PHONE: (615) 255-5203
FAX:

Forest Drive FSUR
10-24-96



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
3/20/07 TR

OWNER CHANGES
Mark Date By
5/14/07 TR

OWNER CHANGES
Mark Date By

Seal

Seal



An Architectural Corporation
5800 One Perkins Place
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STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
TITLE SHEET

DWG EDITION 01.0
Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : ter
Checked By : bb

Sheet
T-11

Infrastructure Items complete during construction

Remodel Repair & Maintenance Scope of Work
Forest Drive FSU – Series 75
Columbia, SC
Unit #945

This scope of work lists the repair and maintenance items that should be completed during the upcoming remodel. The estimates for the completion of each of these items should be separated and included in the Repair & Maintenance section of the FSU Remodel Bid Form not in the main sections of the bid.

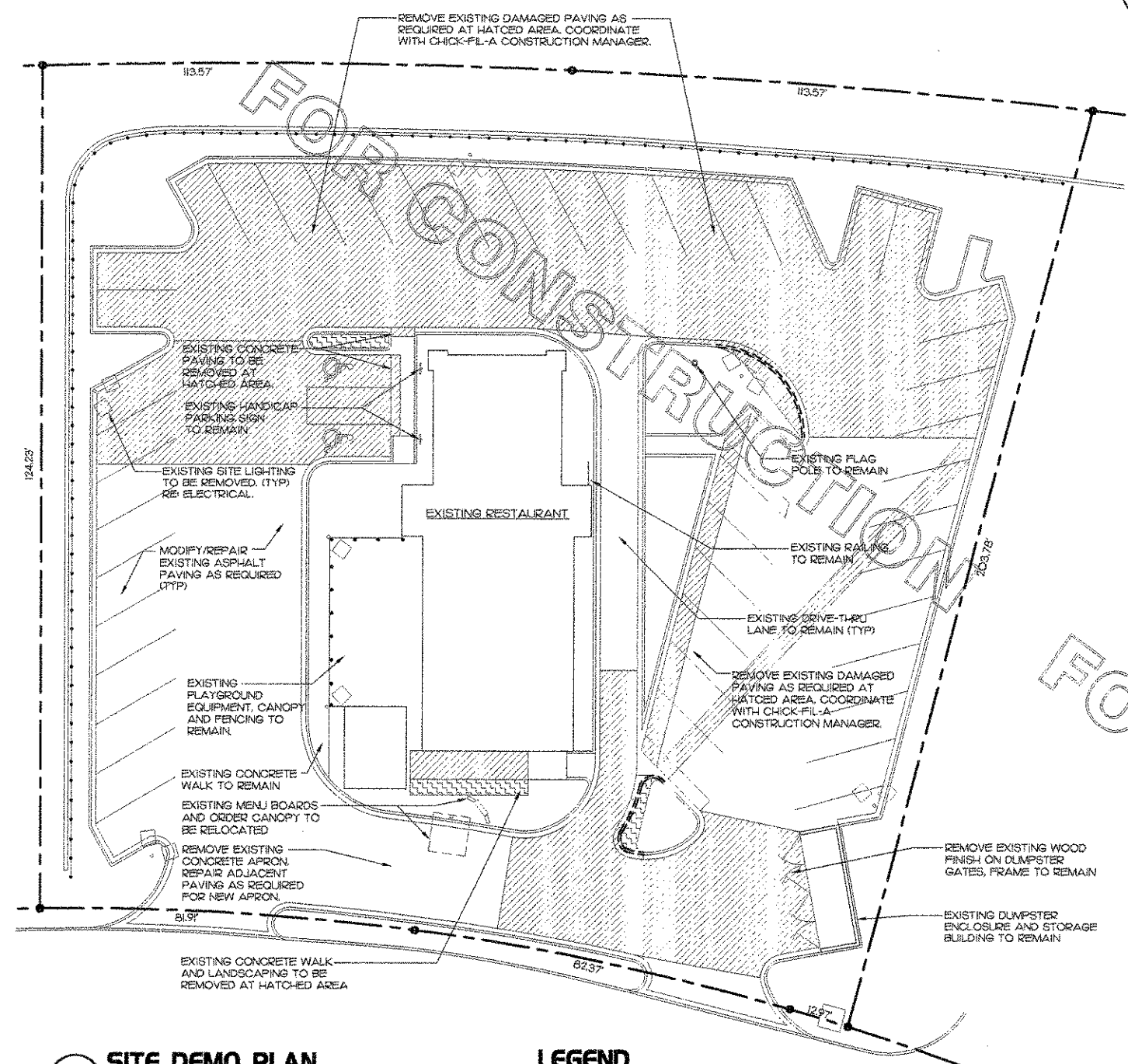
Site

1. Reseal and restripe the asphalt parking lot.
2. Replace the trash enclosure concrete approach and the concrete paving along the drive through lane at the back of the building. See remodel plans for specifications for concrete and rebar (**6" thick 3,000 psi concrete paving with #4 rebar installed at 16"OC for the trash enclosure approach and 5" thick 3,000 psi concrete with #4 rebar installed at 18"OC for the rest of the concrete paving**).
3. Replace the asphalt and base across the front of the store and in the area where the electric utility line crosses the parking lot with a 12:2:1 paving specification and install French drains under the paving as specified in the geotechnical report provided in the bid package.
4. Replace the trash enclosure gate veneer with plastic wood available from Earthcare Products of GA ((800) 251-9806). The correct color is #1 Weathered Gray, and it should be attached to the existing steel frame with the boards oriented top to bottom (not angled).
5. ~~Replace the site lighting fixtures.~~ **Replace the ballasts and lamps on the 13 site light fixtures.**

Building Interior & Exterior

1. Replace the Kitchen and Dining Room HVAC registers.
2. Replace the Kitchen ceiling grid and tile and dining room ceiling tile.
3. Install a new stainless steel mop sink provided by CFA with the equipment package.
4. Sand rust from the existing gas pipe and repaint it.
5. Install a new rubber floor in the Kitchen, in the walk-in cooler, in the office, and in the Serving Area and Drive through area. The GC will need to float out the floors in any low areas identified and in the areas where tile is missing or was removed to relocate plumbing. Remove any concrete oven curbs. The GC will also need to remove the cove base tile in these areas where the rubber floor will be installed. **Continue the rubber floor into the existing storage room and new storage room extension.** This cost will need to be included in the R&M section of the bid under Full Floor Replacement.
6. **Replace the coping on top of the trash enclosure split face block wall.**

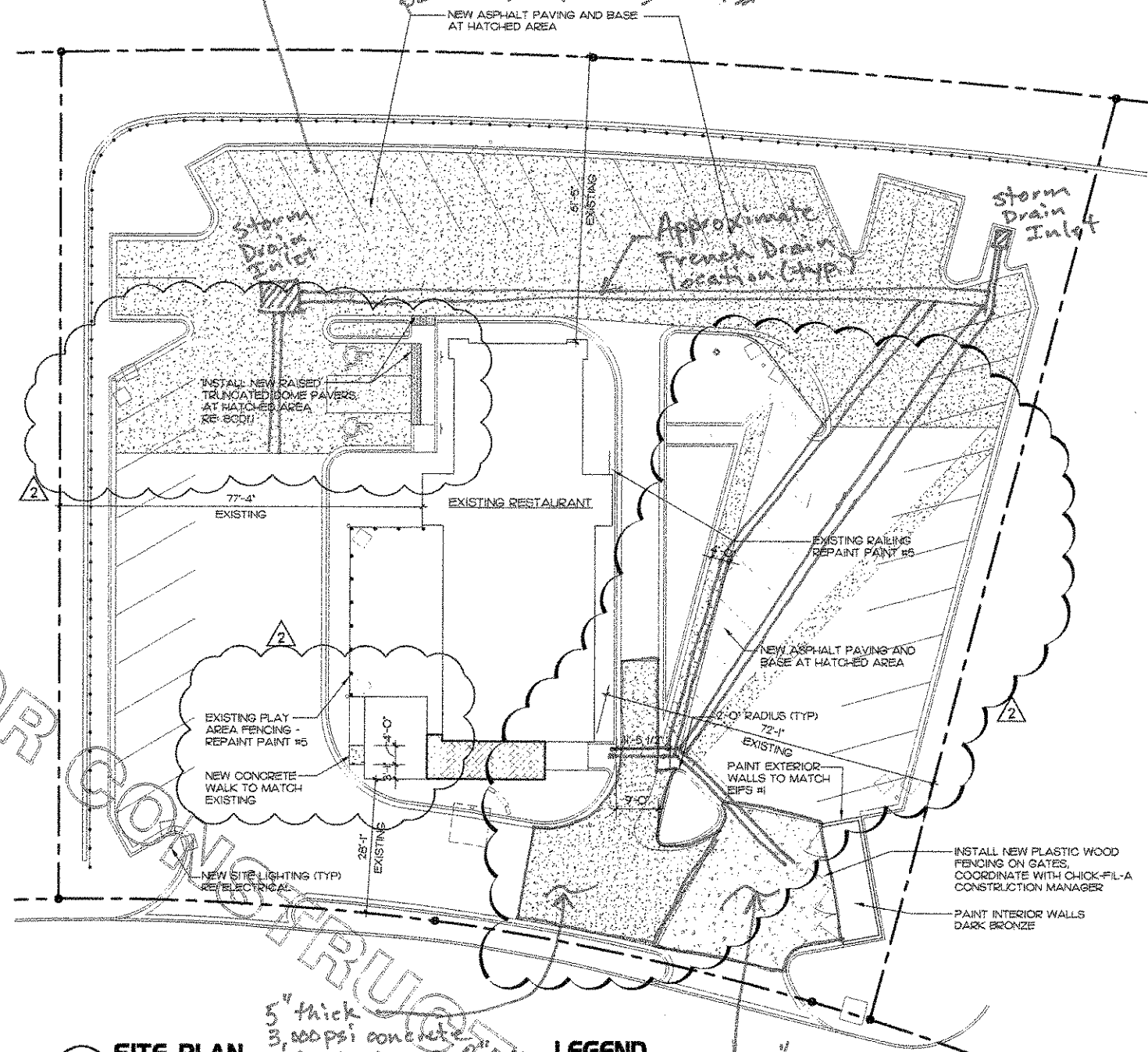
Undercut hatched area ± 27" installed w/ mesh fabric on top of 6" of 57 stone, then installed French drains under all parking lot ~~with~~ ^{stone} compacted 57 stone. ~ 24" of ~~stone~~ ^{stone} installed 3" of asphalt pavement.



1 SITE DEMO PLAN
1/16" = 1'-0"

LEGEND
 EXISTING CONCRETE WALK/PATIO TO BE REMOVED
 EXISTING LANDSCAPING TO BE REMOVED

NOTES
TOTAL ACERAGE = 8



2 SITE PLAN
1/16" = 1'-0"

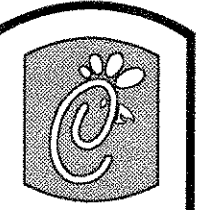
LEGEND
 NEW BUILDING ADDITION
 NEW CONCRETE WALK
 NEW LANDSCAPING

5" thick 3,000 psi concrete w/ #4 rebar @ 18" OC

6" thick 3,000 psi concrete w/ #4 rebar @ 16" OC

3 SITE DEMOLITION NOTES

- WHERE EXISTING PAVING IS SHOWN TO BE REMOVED, REMOVE PAVING AND BASE AS REQUIRED TO INSTALL NEW 6" GRAVEL BASE AND 3" ASPHALT PAVING.
- REPAIR/REPLACE EXISTING SITE SIGNAGE AS SHOWN ON SIGNAGE SHOP DRAWINGS.
- REMOVE EXISTING SITE LIGHTING. RE ELECTRICAL.



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark Date By
1 3/20/07 TR

OWNER CHANGES

Mark Date By
2 5/14/07 TR

OWNER CHANGES

Mark Date By

Seal



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STORE
Forest Drive FSU
5440 Forest Dr.
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29206

SHEET TITLE
SITE DEMO &
SITE PLAN

DWG EDITION 01.0

Job No. : A07-009

Store : 0945

Date : 2/16/07

Drawn By : ter

Checked By: bb

Sheet

CI.I

1 ACCESSIBILITY NOTES

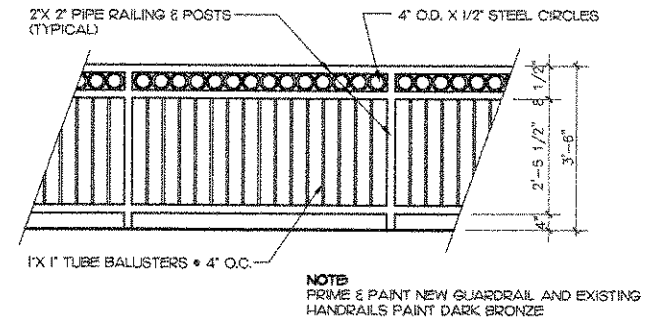
- ALL CROSS SLOPES THAT ARE A PORTION OF THE ACCESSIBLE ROUTE SHALL BE SLOPED A MAXIMUM OF 2%.
- IF UMBRELLAS OR AWNINGS ARE USED ON THE SITE, THE BOTTOM FLAPS SHALL BE A MINIMUM OF 6'-8" ABOVE THE FINISHED GRADE.
- ACCESSIBLE TABLES SHALL BE A MINIMUM OF 27" CLEAR KNEE SPACE A.F.F. AND HAVE A CLEAR AREA OF AT LEAST 19" DEEP. TOP OF TABLE SHALL BE 34" A.F.F.
- COAT HOOKS IN THE TOILET STALLS SHALL BE MOUNTED TO THE BACKSIDES OF DOORS AT 48" A.F.F. IN ACCESSIBLE STALLS AND 60" IN STANDARD STALLS.
- FLUSH VALVES ON THE TOILETS SHALL ALWAYS BE LOCATED ON THE WIDE SIDE OF THE TOILET STALL AND REQUIRE 5 LBS OF FORCE OR LESS TO OPERATE.
- ALL PANIC HARDWARE SHALL BE MOUNTED NO HIGHER THAN 46" A.F.F.
- ALL FLOOR DRAINS IN KITCHEN SHALL BE LOCATED OUT OF THE PATH OF TRAVEL SO THAT THE FLOOR DOES NOT HAVE A SLOPE GREATER THAN 1/2" ALONG AN ACCESSIBLE ROUTE.
- ALL THRESHOLDS, FLOOR LEVEL CHANGES, AND FLOOR TRANSITIONS SHALL NOT EXCEED 1/2" IN HEIGHT AND SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1/2.
- ALL LIGHT SWITCHES, VOLUME CONTROLS, AND THERMOSTATS IN PUBLIC AREAS SHALL BE MOUNTED NO HIGHER THAN 48" A.F.F.
- PERMANENT ROOM AND SPACE SIGNAGE SHALL BE INSTALLED ON THE WALL TO THE LATCH SIDE OF THE DOOR, 60" AFF TO CENTERLINE.
- FOR CLARIFICATION OF REQUIREMENTS OR QUESTIONS, CALL THE ADA HOTLINE AT (800) 949-4ADA, CHUCK RICE WITH CHICK-FIL-A, AT (404) 765-8031.

2 SITE GENERAL NOTES

- REPAIR EXISTING ASPHALT PAVING AS REQUIRED.
- LANDSCAPING TO BE PROVIDED AND INSTALLED BY OTHERS, GENERAL CONTRACTOR TO INSTALL NEW TOP SOIL AS REQUIRED FOR NEW LANDSCAPE BEDS. COORDINATE WITH OPERATOR AND CHICK-FIL-A CONSTRUCTION MANAGER.
- GENERAL CONTRACTOR TO REPAIR/ REPLACE LANDSCAPE IRRIGATION SYSTEM IF DAMAGED DURING DEMOLITION OR CONSTRUCTION.
- REPAIR AND CLEAN EXISTING WALKS TO REMAIN.
- REPAINT SITE METALS (LIGHT POLES, BOLLARDS, RAILINGS, FENCES, ETC.) DARK BRONZE.
- REPAIR OR REPLACE ALL ITEMS DAMAGED DURING DEMOLITION PROCESS.
- NEW ASPHALT PAVING NOT TO EXCEED 15% SLOPE.
- NEW PARKING LOT STRIPING TO BE PAINTED TO MATCH EXISTING.
- EXISTING PATIO AND PLAYGROUND EQUIPMENT TO BE CLEANED AS REQUIRED.

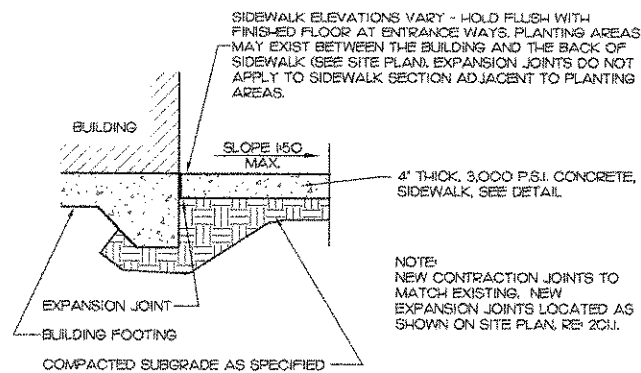
3 DEMO GENERAL NOTES

- EXISTING SITE LIGHTING TO BE REMOVED. RE: ELECTRICAL.
- REMOVE EXISTING LANDSCAPING AS REQUIRED FOR NEW LANDSCAPING. COORDINATE WITH CHICK-FIL-A CONSTRUCTION MANAGER.
- REMOVE EXISTING CONCRETE WALKS AND DRIVES TO NEAREST CONSTRUCTION JOINT OR SAW CUT.
- ALL EXISTING INTERIOR FURNITURE TO BE REMOVED. FURNITURE IS TO BE CLEANED AND RETURNED TO OWNER.
- EXISTING PLAYGROUND EQUIPMENT IS TO BE RELOCATED. COORDINATE WITH CHICK-FIL-A CONSTRUCTION MANAGER.



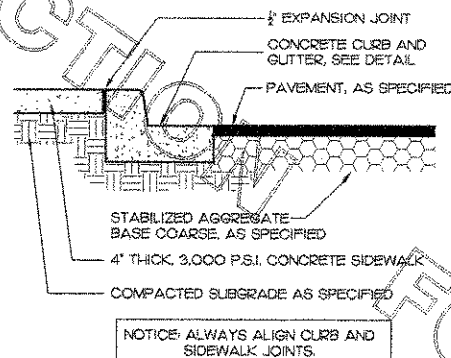
4 TYPICAL PATIO FENCE

1/2" = 1'-0"



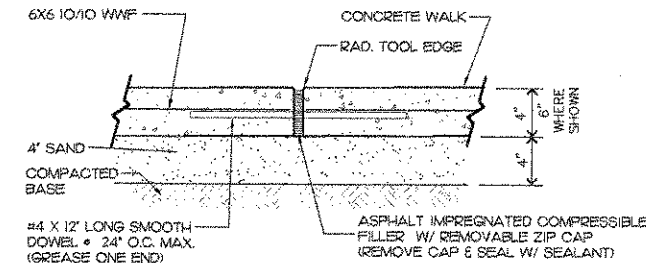
5 WALK DETAIL

1/2" = 1'-0"



6 WALK DETAIL

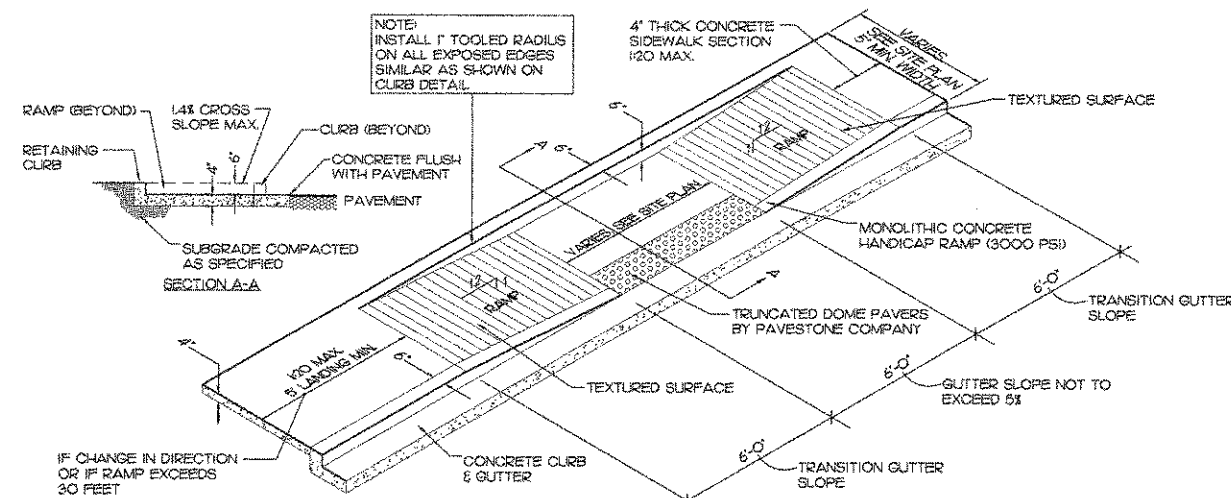
1/2" = 1'-0"



NOTE: PROVIDE E.I. AT ALL LOCATIONS WHERE SIDEWALKS ABUT CONCRETE CURBS, BUILDINGS OR EXISTING WALKS AND WHERE SHOWN ON SITE PLAN. DRILL 6" HOLE IN EXISTING CONCRETE FOR DOWEL INSERTION AND EPOXY FILL.

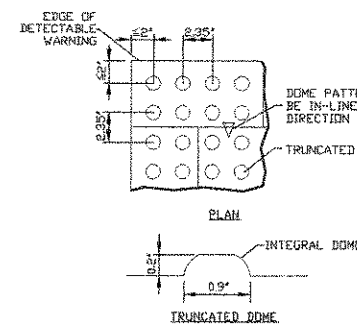
7 EXPANSION JOINT DETAIL (EXJT)

1/2" = 1'-0"



8 SIDEWALK HANDICAP RAMP DETAIL

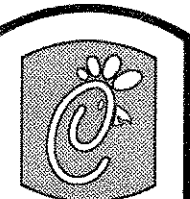
1/4" = 1'-0"



9 RAISED TRUNCATED DOME SPECIFICATION

NOT TO SCALE

- NOTES
- CURB RAMP RUNNING SLOPES SHALL NOT BE STEEPER THAN 1:13 AND CROSS SLOPE SHALL BE 2% OR FLATTER.
 - DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING PRODUCTS CONFORMING TO ADA ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS. CONTRACTOR SHALL CONFIRM LOCAL CODES ARE MET.
 - WHERE A CURB RAMP IS CONSTRUCTED WITHIN AN EXISTING CURB, CURB & GUTTER AND/OR SIDEWALK, THE EXISTING CURB & GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB & GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE WALK AROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5'.
 - WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS 1 PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 322 OF THE SPECIFICATIONS, THE PLAN MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLORS OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT, OR LIGHT-ON-DARK.
 - TRUNCATED DOMES TO BE INSTALLED USING PREFORMED PAVERS (RUNNING BEND PATTERN OR TOPMARK, PREFORMED THERMOPLASTIC WARNING MATERIAL, PREFERRED MANUFACTURER: PAVESTONE COMPANY DETECTABLE WARNING PAVES, RAY CLARK (678)471-1019; ALTERNATIVE SUPPLIER: FLINT TRADING INC., STEVE GARREN (770) 924-6441 OR sales@flinttrading.com. CONTRACTOR TO VERIFY HANDICAP RAMPS MEET LOCAL CODES.



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

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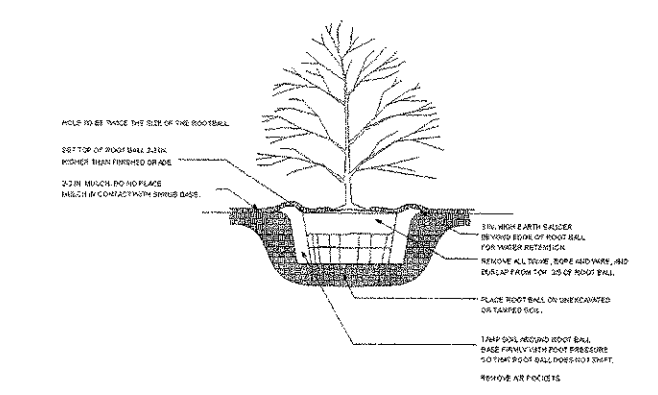
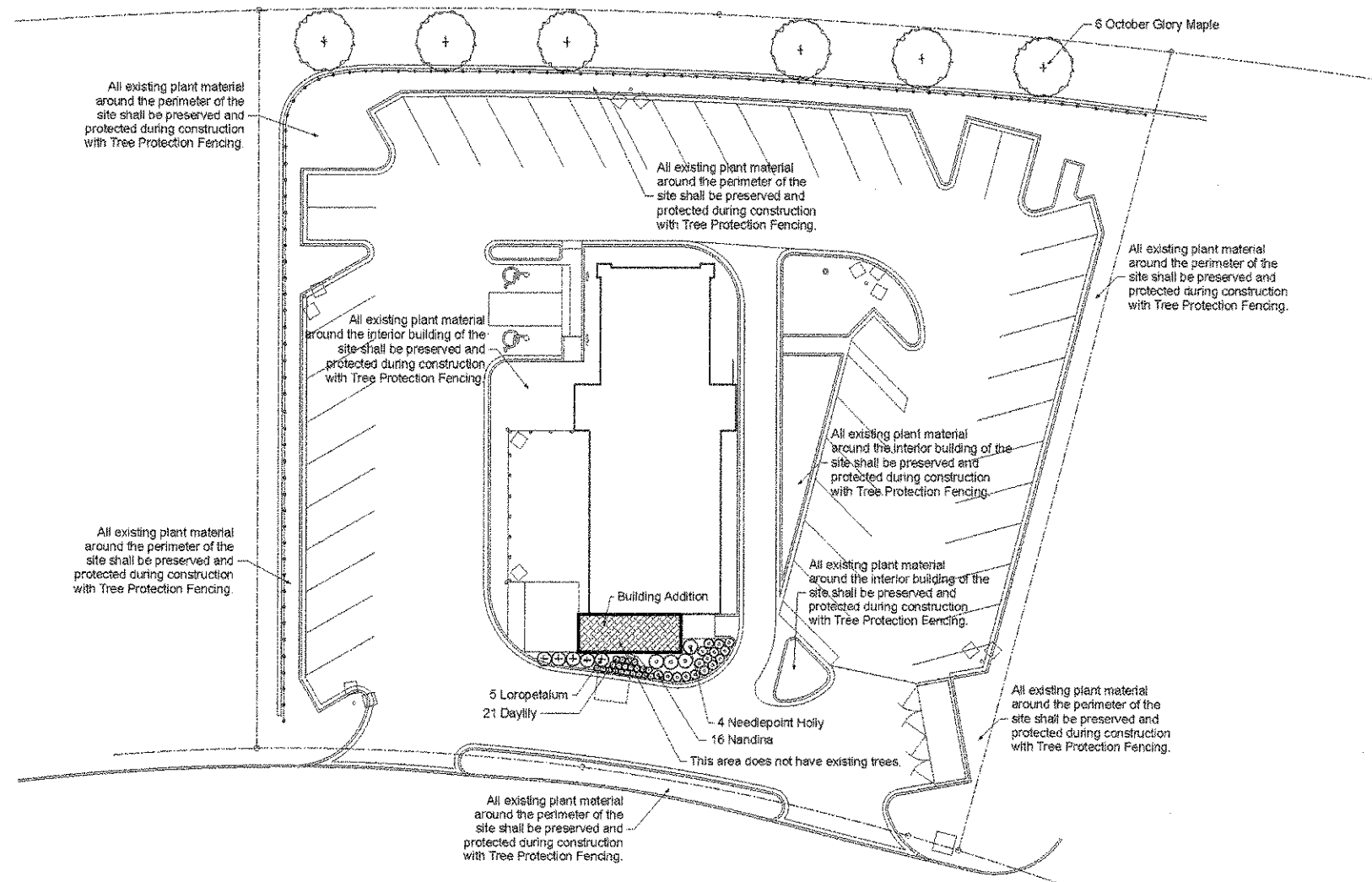
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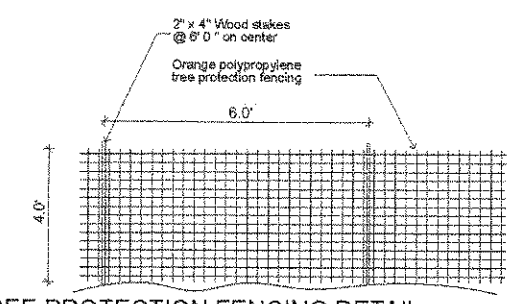
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CD-II



SHRUB PLANTING DETAIL



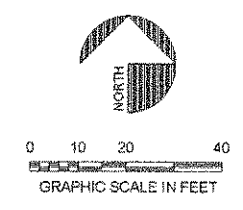
TREE PROTECTION FENCING DETAIL

PLANT LIST

Chick-fil-A Forest Drive Remodel, Columbia, SC

Qty	Botanical Name	Common Name	Size and Specification
Trees			
6	Acer 'October Glory'	October Glory Maple	2" Cal.; 10Hgt. Min.
Shrubs and Groundcovers			
21	Hemerocallis	Daylily	1 Gal.
4	Ilex cornuta 'Needlepoint'	Needlepoint Holly	24" min. hgt.
5	Loropetalum chinense 'Ruby'	Ruby Loropetalum	3 Gal.
16	Nandina domestica 'Gulfstream'	Gulfstream Nandina	3 Gal.
Frontage Requirements:			
	LF / 40		
	1 Tree / 40 LF		
	225 LF of Frontage		
	1 Tree / 40 LF = 5.6 Trees or 6 Trees		

NOTE: Irrigation around the building addition should be reworked to provide full coverage to all new plants.

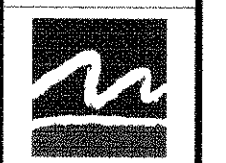
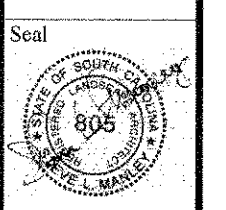


Chick-fil-A
5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
5.8.07 BSC
City Comments

Mark Date By

Mark Date By



manley
landdesign
51 old canton street
alpharetta, ga 30004
770-442-8171
770-442-1123 fax

IVEY LANDSCAPING, INC.
500 Marroway Court
Alpharetta, GA 30022
770-653-0020
770-663-4288 fax

STORE
Chick-fil-A
Forest Drive Remodel

Forest Drive
Columbis, SC

SHEET TITLE
Landscape Plan

DWG EDITION
 Preliminary
 80% Submittal
 For Construction

Job No. : 2007034
Store :
Date : 4.9.07
Drawn By : KMD
Checked By: SLM

Sheet
L-1.0



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark Date By
1 3/20/07 TR

OWNER CHANGES

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OWNER CHANGES

Mark Date By
3

Seal



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STORE

Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
FLOOR PLAN

DWG EDITION 01.0

Job No. A07-009

Store 0945

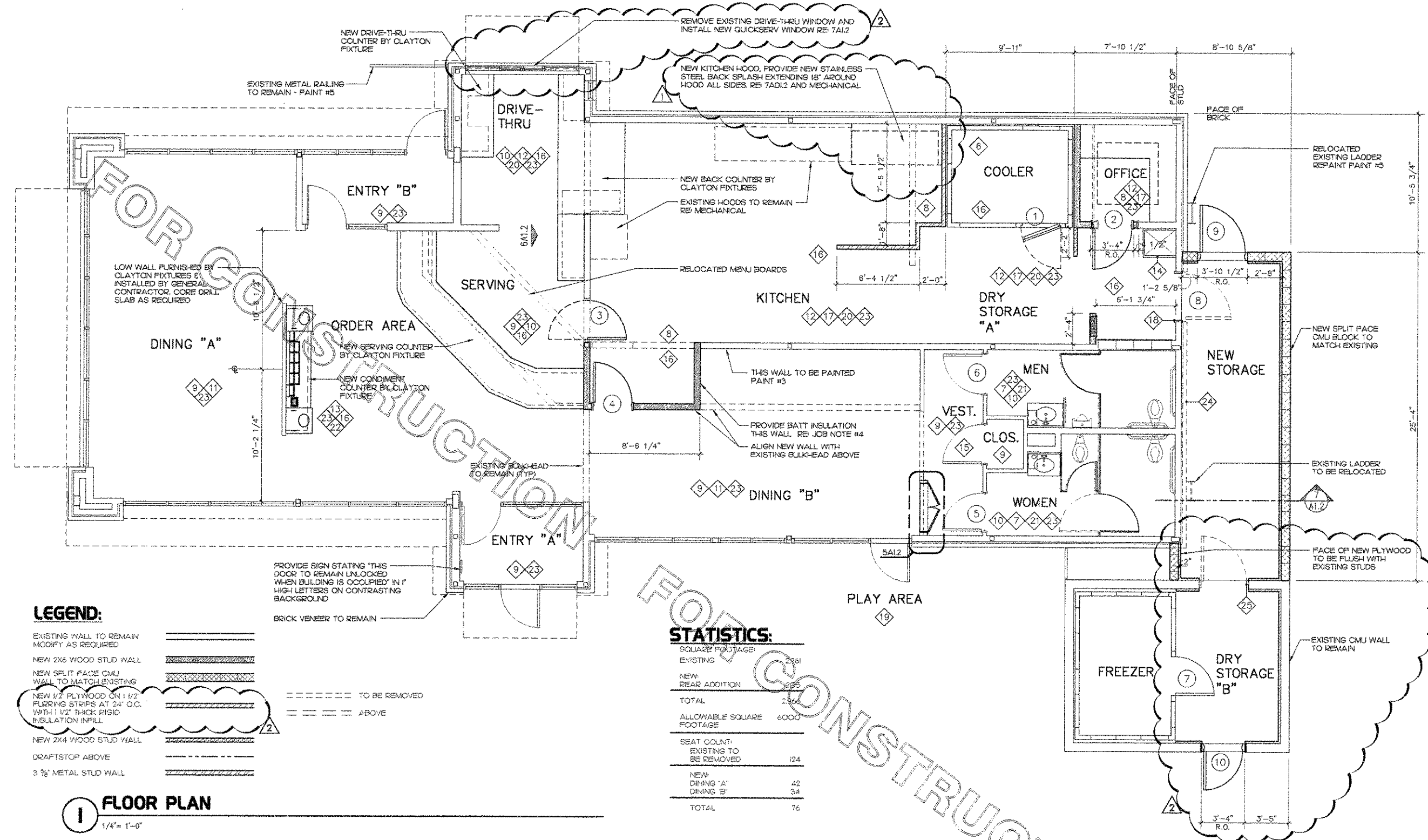
Date 2/16/07

Drawn By ler

Checked By bb

Sheet

A-II



LEGEND:

- EXISTING WALL TO REMAIN MODIFY AS REQUIRED
NEW 2X6 WOOD STUD WALL
NEW SPLIT FACE CMU WALL TO MATCH EXISTING
NEW 1/2 PLYWOOD ON 1 1/2 FLOORING STRIPS AT 24" O.C. WITH 1 1/2" THICK RIGID INSULATION INFILL
NEW 2X4 WOOD STUD WALL
DRAFTSTOP ABOVE
3 3/8" METAL STUD WALL

FLOOR PLAN

1/4" = 1'-0"

STATISTICS:

Table with 2 columns: Category and Value. Includes rows for SQUARE FOOTAGE (EXISTING, NEW, REAR ADDITION, TOTAL), ALLOWABLE SQUARE FOOTAGE, SEAT COUNT (EXISTING TO BE REMOVED, NEW DINING 'A', DINING 'B', TOTAL).

FLOOR PLAN NOTES

- 1. RE: 3AD11 FOR DEMOLITION GENERAL NOTES.
2. RE: 4AD11 FOR FLOOR PLAN GENERAL NOTES.
3. REMOVE EXISTING FLOOR SLAB AS REQUIRED TO INSTALL NEW PLUMBING LINES. RE: PLUMBING
4. REMOVE ALL EXISTING INTERIOR AND EXTERIOR FURNITURE AND RETURN TO OWNER, PATCH FLOOR AS REQUIRED TO MATCH EXISTING.
5. REMOVE EXISTING MILLWORK AND ACCESSORIES AS NOTED. COORDINATE WITH CLAYTON FIXTURE.
6. REMOVE EXISTING FREEZER/COOLER
7. REMOVE EXISTING RESTROOM PARTITIONS AND ACCESSORIES, PATCH AND REPAIR WALL AS REQUIRED. GENERAL CONTRACTOR TO INSTALL NEW 3/4" THICK FIBERGLASS PARTITIONS PROVIDED BY CLAYTON FIXTURES WITH STAINLESS STEEL HARDWARE.
8. REMOVE EXISTING WALLS AS REQUIRED FOR NEW PLAN CONFIGURATION, PATCH AND REPAIR REMAINING PORTIONS OF WALLS, FLOORS AND CEILINGS AS REQUIRED TO MATCH EXISTING.
9. REMOVE EXISTING WALL TRIM - MODIFY/REPAIR WALLS AS REQUIRED TO ACCEPT NEW PAINT.
10. REMOVE EXISTING WALL FINISHES DOWN TO BARE STUDS AT EXISTING CERAMIC TILE WALL.
11. REMOVE EXISTING BINDS, PATCH/REPAIR WINDOW FRAMES AS REQUIRED. INSTALL NEW ROLLER SHADES AS SCHEDULED.
12. REMOVE EXISTING FRP WALL PANELS AND REPLACE WITH NEW AS SCHEDULED. PATCH/REPAIR WALLS AS REQUIRED.
13. REMOVE EXISTING CONDIMENT COUNTER AS REQUIRED.
14. REMOVE EXISTING MOP SINK AND WALL FINISHES AS REQUIRED FOR INSTALLATION OF NEW MOP SINK AND STAINLESS STEEL WALL PANELS. PATCH FLOOR AS REQUIRED.
15. PAINT DOOR AND FRAME PAINT #3.
16. REMOVE EXISTING FLOOR TILE AS REQUIRED TO INSTALL NEW WALLS, MILLWORK, EQUIPMENT, ETC. PATCH FLOOR TO MATCH EXISTING.
17. REMOVE EXISTING CEILING TILES AND GRID AND REPLACE WITH NEW AS SCHEDULED.
18. REMOVE EXISTING DOOR AND FRAME. PATCH/REPAIR WALL AS REQUIRED FOR INSTALLATION OF NEW FRAME.
19. REMOVE PADDING, WEBBING AND GATES AT PLAY AREA AND REPLACE WITH NEW.
20. ALL SHELVING IS TO BE REMOVED, PATCH/REPAIR WALLS AS REQUIRED FOR INSTALLATION OF NEW SHELVING.
21. REMOVE EXISTING MIRRORS AS REQUIRED AND REPLACE WITH NEW TO MATCH EXISTING.
22. REMOVE EXISTING NONSTRUCTURAL COLUMNS AND BULKHEAD ABOVE. PATCH/REPAIR FLOOR TILES AND CEILING GRID/TILES TO MATCH EXISTING.
23. REMOVE EXISTING HVAC DIFFUSERS AND REPLACE WITH NEW. RE: MECHANICAL
24. REMOVE EXISTING BRICK VENEER AND SHEATHING AS REQUIRED FOR NEW ADDITION.
25. REMOVE EXISTING DOOR, FRAME TO REMAIN, REPAIR AS REQUIRED.

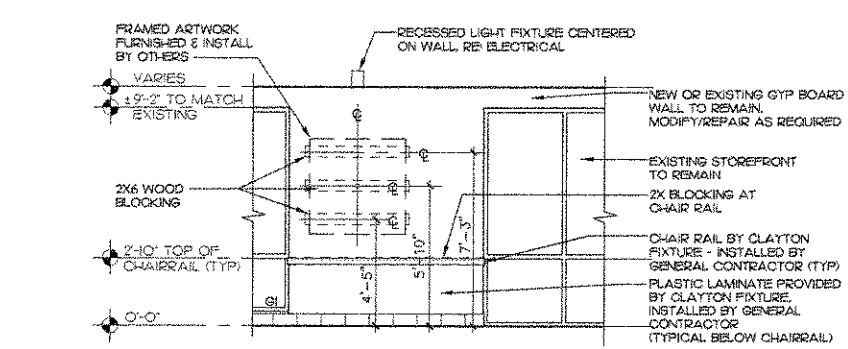
JOB NOTES

- 1. COORDINATE WORK SCHEDULE WITH LOCAL CONCRETE FLOOR TO ENSURE COMPLETE SERVICE RESTORATION (OPEN DATE)
2. COKE INT. TO INSTALL NEW BEVERAGE LINES, PUMPS, CARBONATORS, AND REGULATORS.
3. ALL NEW EXTERIOR WALLS ARE 2X6 WOOD STUDS (UNLESS OTHERWISE NOTED)
4. PROVIDE 3 1/2" BATT INSULATION
5. PROVIDE 6" KRAFT FACED FIBERGLASS BATT INSULATION AT ALL NEW EXTERIOR METAL STUD WALLS.
6. PATCH EXISTING WALLS TO REMAIN TO MATCH EXISTING WHERE EXISTING WALLS ARE PARTIALLY DEMOLISHED
7. 6" HIGH CONCRETE CURB BY THE GENERAL CONTRACTOR COORDINATE EXACT SIZE & LOCATION WITH SHOP DRAWINGS BY CLAYTON FIXTURE.
8. PATCH CONCRETE AS REQUIRED TO MATCH EXISTING WHERE EXISTING CONCRETE WAS REMOVED TO INSTALL NEW PLUMBING. RE: A31
9. INSTALL NEW CONDIMENT COUNTER, MILLWORK AND LOW WALLS AS PROVIDED BY CLAYTON FIXTURE.
10. RE: PLUMBING FOR RESTROOM FIXTURE SPECIFICATIONS
11. VERIFY EXISTING 3 - 10ABC FIRE EXTINGUISHERS SUITABLE FOR CLASS A, B, C FIRES USING DRY CHEMICAL, LOCATE AS REQUIRED BY LOCAL AUTHORITIES, AND 1 RATED EXTINGUISHER AS REQUIRED IN KITCHEN. PROVIDE NEW EXTINGUISHERS IF EXISTING EXTINGUISHERS DO NOT MEET THE REQUIREMENTS ABOVE.
12. PATCH EXISTING DRAFTSTOP WALLS WHERE EQUIPMENT IS REMOVED AND AT NEW PENETRATIONS
13. PATCH ROOFING AT NEW AREAS TO MATCH EXISTING & ACCORDING TO ROOFING MANUFACTURER STANDARD DETAIL & SPECIFICATIONS
14. COORDINATE ALL WORK WITH CHICK-FIL-A CONSTRUCTION MANAGER
15. PATCH ALL PENETRATIONS THROUGH EXISTING DRAFTSTOPPING

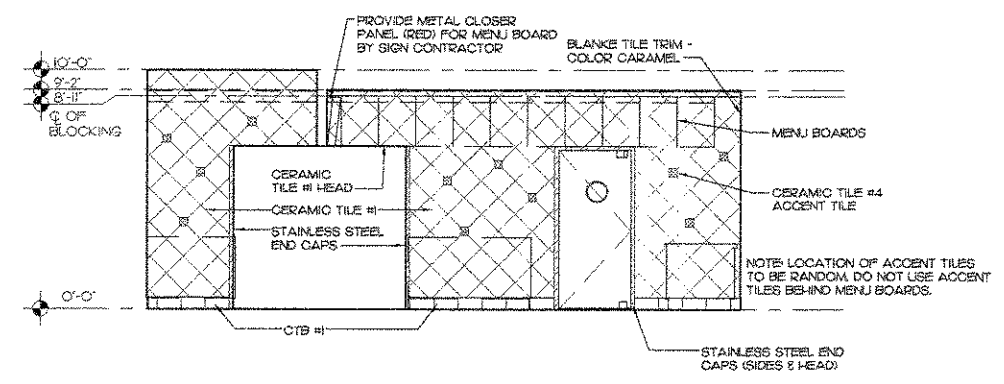
ROOM FINISH SCHEDULE								
ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
			FRONT	BACK	SIDE DRIVE-THRU	SIDE ENTRY 'A'		
ENTRY A	CERAMIC TILE #3	CERAMIC TILE BASE #3	PAINT #3	PAINT #3	PAINT #3	PAINT #3	GYP. BD. PAINT #1	NO WAINSCOT
ENTRY B	CERAMIC TILE #3	CERAMIC TILE BASE #3	PAINT #3	PAINT #3	PAINT #3	PAINT #3	GYP. BD. PAINT #1	NO WAINSCOT
DINING 'A'	CERAMIC TILE #3	CERAMIC TILE BASE #3	PAINT #3	PAINT #1	PAINT #1	PAINT #1	CEILING TILE #1 & #5	
DINING 'B'	CERAMIC TILE #3	CERAMIC TILE BASE #3	PAINT #1	PAINT #1	PAINT #1, #3	PAINT #1	CEILING TILE #4 & #5	
ORDER AREA	CERAMIC TILE #3	CERAMIC TILE BASE #1 & 3		PAINT #1	PAINT #1	PAINT #1	CEILING TILE #5	
SERVING	SEAMLESS VINYL FLOORING	KTB #1 & #2	PAINT #1	CERAMIC TILE #1, #4	CERAMIC TILE #1, #4	-	CEILING TILE #5	
DRIVE THRU	SEAMLESS VINYL FLOORING	KTB #1 & 2	FRP	CERAMIC TILE #1, #4	CERAMIC TILE #1, #4	FRP	CEILING TILE #5	
KITCHEN	SEAMLESS VINYL FLOORING	KTB #1 & 2	FRP, ESS	FRP, NSS	FRP, ESS, NSS	FRP	CEILING TILE #5	
COOLER	SEAMLESS VINYL FLOORING	KTB #1	-	-	-	-	-	BY COOLER MANUFACTURER
FREEZER	-	-	-	-	-	-	-	BY FREEZER MANUFACTURER
OFFICE	SEAMLESS VINYL FLOORING	KTB #1	FRP	FRP	FRP	FRP	CEILING TILE #5	
TOILET VESTIBULE	CERAMIC TILE #3	CERAMIC TILE BASE #3	PAINT #1	PAINT #3	PAINT #1	PAINT #1	CEILING TILE #5	CHAIRRAIL AND WAINSCOT ON FRONT WALL ONLY
CLOSET	CERAMIC TILE #3	CERAMIC TILE BASE #3	PAINT #1	PAINT #1	PAINT #1	PAINT #1	CEILING TILE #5	
MEN	CERAMIC TILE #3	CERAMIC TILE BASE #2	C.T. #2, 4 PAINT #1	C.T. #2, 4 PAINT #1	C.T. #2, 4 PAINT #1	C.T. #2, 4 PAINT #1	PAINT #1	REFER TO TYPICAL RESTROOM ELEVATION FOR LOCATION OF FINISHES
WOMEN	CERAMIC TILE #3	CERAMIC TILE BASE #2	C.T. #2, 4 PAINT #1	C.T. #2, 4 PAINT #1	C.T. #2, 4 PAINT #1	C.T. #2, 4 PAINT #1	PAINT #1	REFER TO TYPICAL RESTROOM ELEVATION FOR LOCATION OF FINISHES
DRY STORAGE 'A'	SEAMLESS VINYL FLOORING	KTB #2	FRP	FRP	FRP	FRP	CEILING TILE #3	
DRY STORAGE 'B'	SEAMLESS VINYL FLOORING	KTB #1	FRP	FRP	FRP	FRP	PAINT #1	EXPOSED STRUCTURE, CEILING
NEW STORAGE	SEAMLESS VINYL FLOORING	KTB #2	FRP	FRP	FRP	FRP	CEILING TILE #3	

DOOR SCHEDULE											
NUMBER	DOOR					FRAME				REMARKS	
	SIZE	TYPE	MATERIAL	FINISH	HDW	GLASS	MATERIAL	SIZE	FINISH		
1	COOLER DOOR	-	-	-	-	-	-	-	-	-	SUPPLIED BY FREEZER/COOLER MANUFACTURER
2	3'-0" X 6'-8" X 1-3/4"	2	HM	PAINT #1	SET #6	G2	HM	4 1/2	PAINT #3		
3	3'-0" X 6'-8" X 3/4"	3	ELIASON DOOR	BRUSH-ED STAINLESS STEEL	SET #5	G4	STAINLESS STEEL		BRUSH-ED STAINLESS STEEL		FRAME CONSISTS OF STAINLESS STEEL CHANNEL WRAPPED AROUND JAMB
4	3'-0" X 6'-8" X 1 3/4"	1	S.C. WOOD	PLASTIC LAM. #1	SET #9	G4	HM	7 1/2	PAINT #3		W/ 10" DIAMETER GLASS PANEL W/ MEDIUM GRADE TINT
5	3'-0" X 6'-8" X 1 3/4"	1	S.C. WOOD	PLASTIC LAM.	SET #3	-	EXISTING HM	-	PAINT #3		
6	3'-0" X 6'-8" X 1 3/4"	1	S.C. WOOD	PLASTIC LAM.	SET #3	-	EXISTING HM	-	PAINT #3		
7	FREEZER DOOR	-	-	-	NOTE #2	-	-	-	-	-	SUPPLIED BY FREEZER/COOLER MANUFACTURER
8	3'-6" X 7'-0"	-	S.S.	BRUSH-ED STAINLESS STEEL	-	-	S.S.	7 1/4	BRUSH-ED STAINLESS STEEL		CASED OPENING
9	3'-6" X 7'-0" X 1 3/4"	1	HM W/ GLASS	PAINT #2	NOTE #2	G2	HM	7 1/2	PAINT #3		W/ 6'X6' GLASS PANEL
10	3'-0" X 7'-0" X 1 3/4"	1	HM W/ GLASS	PAINT #2	NOTE #2	G2	HM	7 1/2	PAINT #3		W/ 6'X6' GLASS PANEL

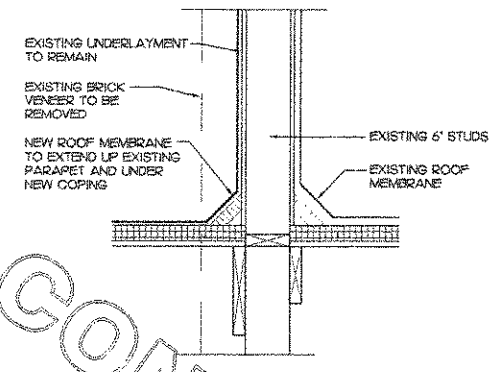
NOTES:
1. ALL NEW AND EXISTING HOLLOW METAL DOOR FRAMES ARE TO BE PAINTED PAINT #3.
2. FOR DOORS #9 & 10 HARDWARE CONTACT 'THE THOMAS GROUP' AT 770-451-4518 KEN THOMAS JR.



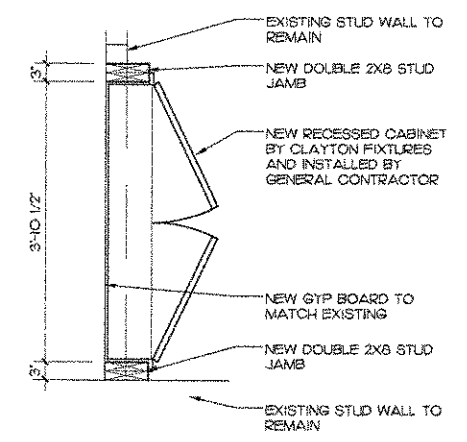
3 TYPICAL DINING ELEVATION - EXTERIOR WALL
1/4" = 1'-0"



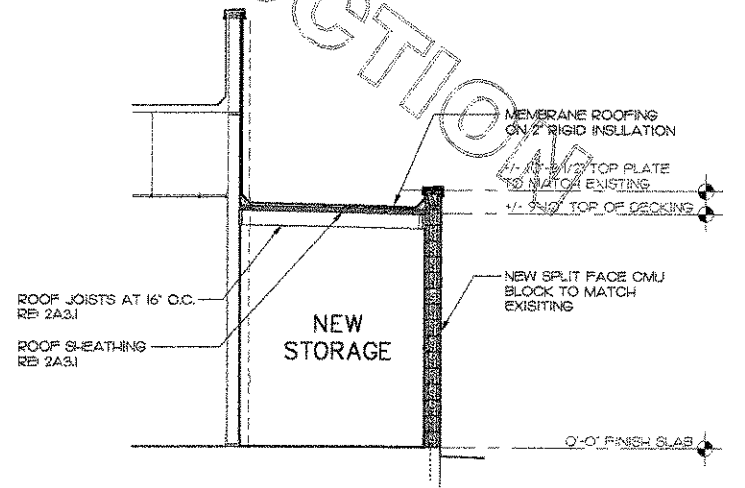
6 TYPICAL SERVING ELEVATION - BACK BAR WALL
1/4" = 1'-0"



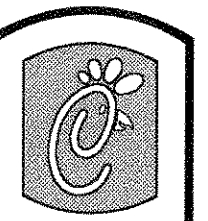
4 ROOFING DETAIL
1" = 1'-0"



5 PLAN DETAIL
3/4" = 1'-0"



7 SIDE ADDITION SECTION
1/4" = 1'-0"



Clayton Fixtures
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2 5/14/07 TR
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Mark Date By
3
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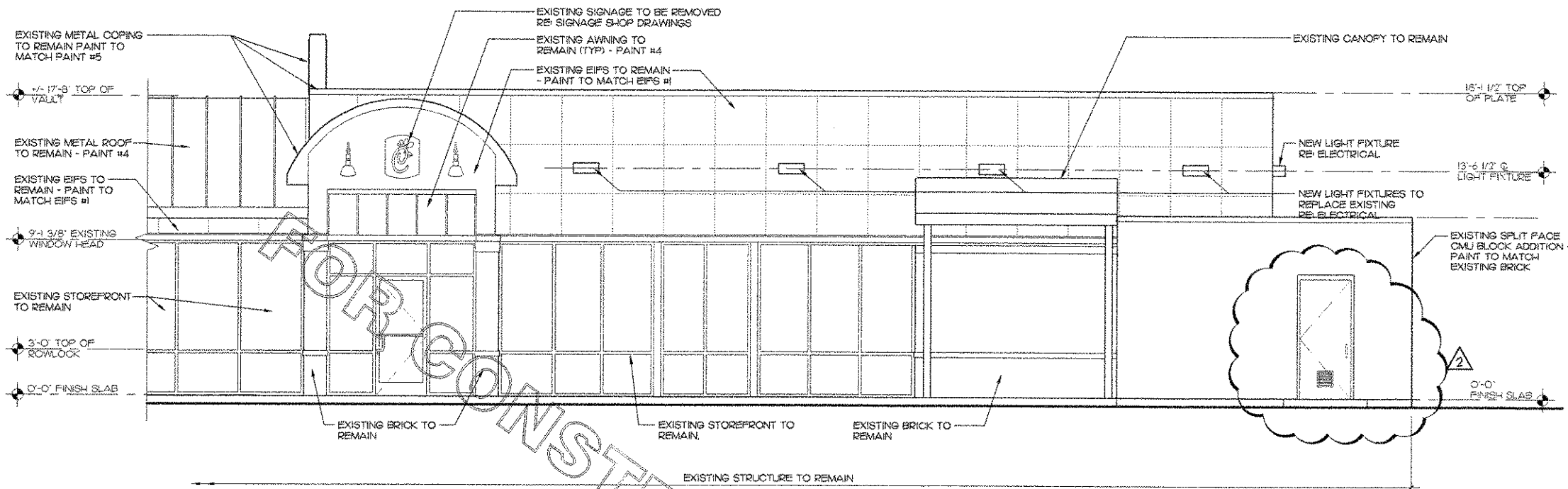
bbi
ARCHITECTURAL SERVICES
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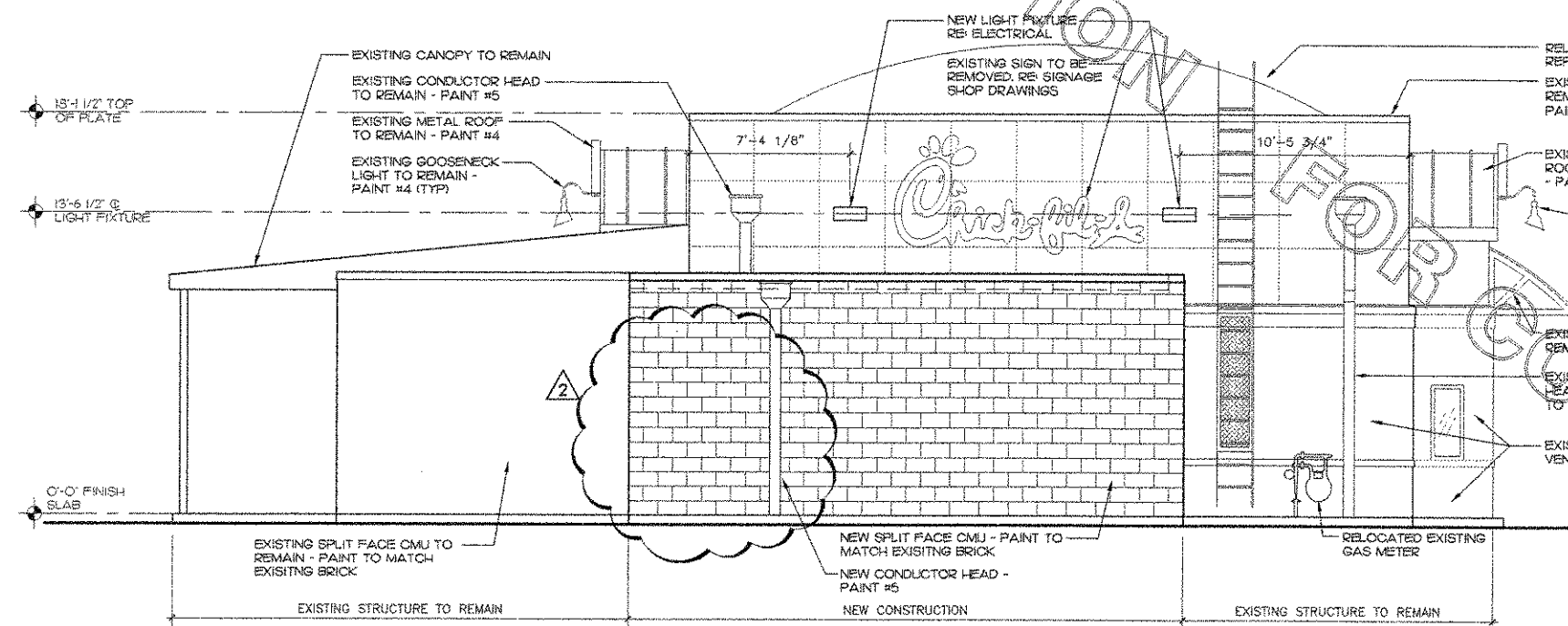
SHEET TITLE
SCHEDULES
SECTIONS

DWG EDITION 01.0
Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : ter
Checked By : bb
Sheet

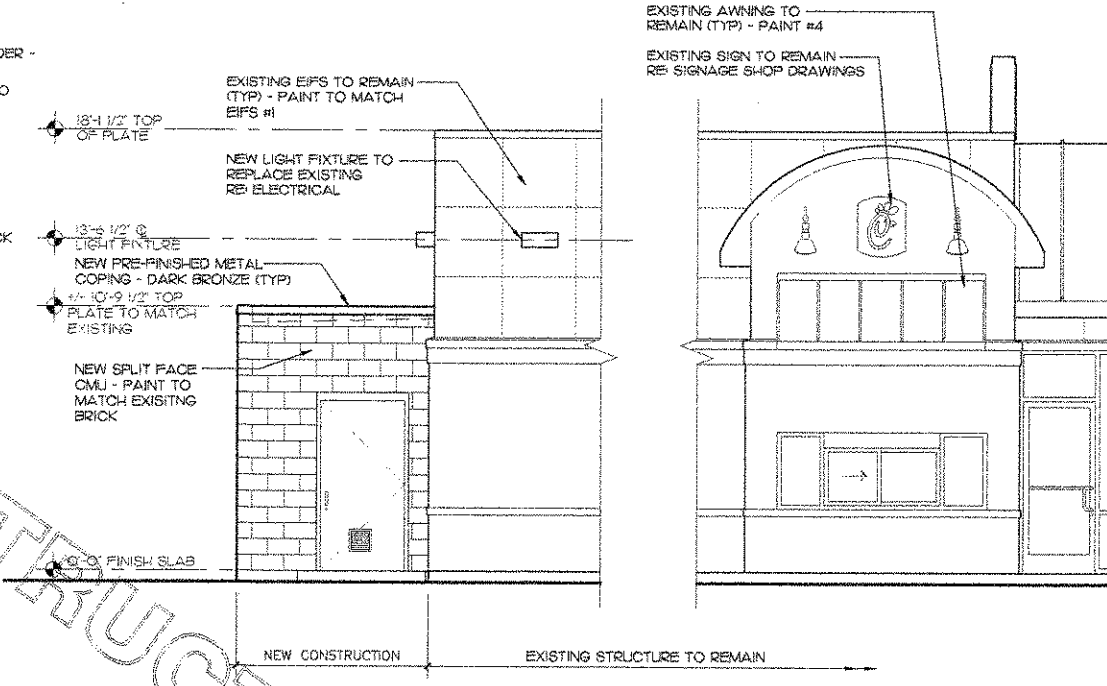
A-1.2



1 MAIN ENTRY ELEVATION
1/4" = 1'-0"



2 REAR ELEVATION
1/4" = 1'-0"



3 PARTIAL DRIVE-THRU SIDE ELEVATION
1/4" = 1'-0"

EIFS COLORS:

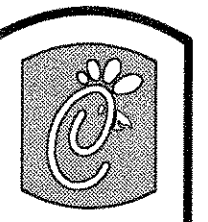
EIFS #1	PAINT TO MATCH SHERWIN WILLIAMS #SW614, BAGEL
EIFS #2	PAINT TO MATCH SHERWIN WILLIAMS METALATEX #B42R38, SAFETY RED
EIFS #3	PAINT TO MATCH SHERWIN WILLIAMS #SW610B, LATTE

- NOTES:**
- REPAIR ALL EXISTING ROOFS AND FLASHINGS TO REMAIN AS REQUIRED
 - ALL NEW AND EXISTING EIFS IS TO BE PAINTED
 - REPAINT ALL EXISTING RED METALS, COORDINATE WITH CHICK-FIL-A CONSTRUCTION MANAGER

4 REPAINT SPECIFICATIONS - PREFINISHED METAL ROOFS

- WASH SURFACE THOROUGHLY USING PROCLEAN PREP WASH CONCENTRATED CLEANER OR OTHER EMULSIFYING DETERGENT CLEANER. RINSE THOROUGHLY AND ALLOW TO DRY. DO NOT USE A SOLVENT BASED CLEANER SUCH AS MINERAL SPIRITS. SANDING IS NOT NECESSARY EXCEPT IN AREAS WHERE THE EXISTING FILM IS CHECKED OR PEELING.
- BOTH THE SPECIFIED PRIMER AND TOPCOAT ADHERE VERY TIGHTLY TO ANY SUBSTRATE WHEN DRY. MASK ALL AREAS NOT TO BE PAINTING THOROUGHLY TO PREVENT OVERSPRAY.
- APPLY DTM BONDING PRIMER B66A50 USING AN AIRLESS SPRAYER WITH 2400 PSI FLUID PRESSURE AND A .017" TO .019" TIP - SEE ATTACHED DATA PAGE FOR FURTHER INFORMATION. APPLY TO A THICKNESS OF 7 MILS WET, 3 MILS DRY. ALLOW 4 TO 8 HOURS DRYING TIME, DEPENDING ON OUTSIDE AMBIENT TEMPERATURE, BEFORE RECOATING - SEE ATTACHED PRODUCT DATA PAGE FOR DETAILS ON SPRAY SET-UP, DRYING TIME, ETC.
- APPLY TWO COATS OF SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC SAFETY RED B66R300 USING AN AIRLESS SPRAYER WITH 1500 PSI FLUID PRESSURE AND A .017" TO .019" TIP. APPLY TO A THICKNESS OF 7 MILS WET, 3 MILS DRY PER COAT. ALLOW 4 TO 8 HOURS DRYING TIME, DEPENDING ON OUTSIDE AMBIENT TEMPERATURE, BEFORE RECOATING - SEE ATTACHED PRODUCT DATA PAGE FOR DETAILS ON SPRAY SET-UP, DRYING TIME, ETC.
- APPLY ONE COAT OF SHER-CLEAR ONE COMPONENT ACRYLIC CLEAR COAT GLOSS B66C375 USING AN AIRLESS SPRAYER WITH 1500 PSI FLUID PRESSURE AND A .013" TO .015" TIP. APPLY TO A THICKNESS OF 4 MILS WET, 1.5 MILS DRY - SEE ATTACHED PRODUCT DATA PAGE FOR DETAILS ON SPRAY SET-UP, DRYING TIME, ETC.

NOTE:
THIS SYSTEM SHOULD BE APPLIED BY AN APPLICATOR EXPERIENCED IN USING HIGH PERFORMANCE, SOPHISTICATED COATINGS. YOUR SHERWIN-WILLIAMS REPRESENTATIVE CAN ASSIST WITH CONTACTING QUALIFIED CONTRACTORS.



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
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1 3/20/07 TR

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2 5/14/07 TR

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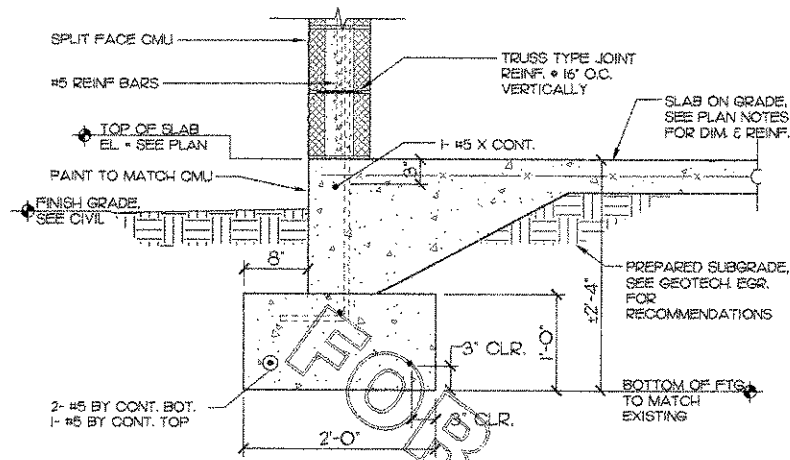
SHEET TITLE
EXTERIOR
ELEVATIONS

DWG EDITION 01.0

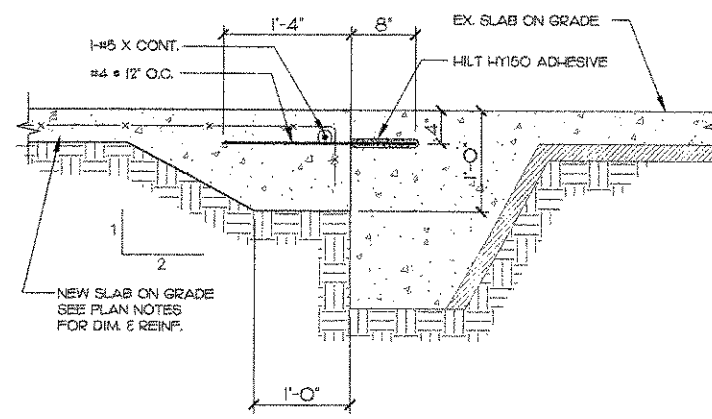
Job No. : A07-009
Store : 0945
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Drawn By : ter
Checked By : bb

Sheet

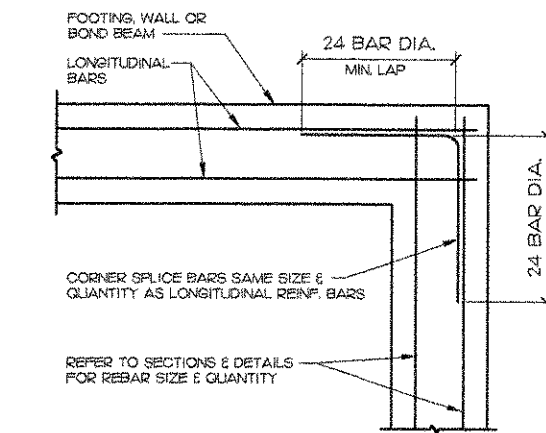
A-2.I



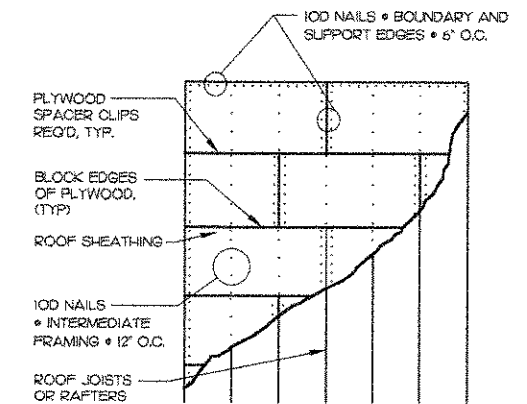
3 TYP. FOUNDATION SEC. @ STUD WALL
SCALE: 1" = 1'-0"



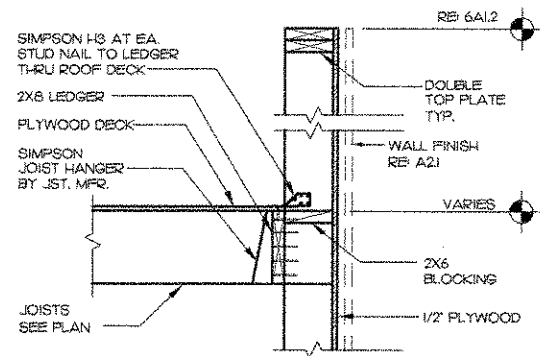
4 SECTION @ EX. TO NEW SLAB
SCALE: 1" = 1'-0"



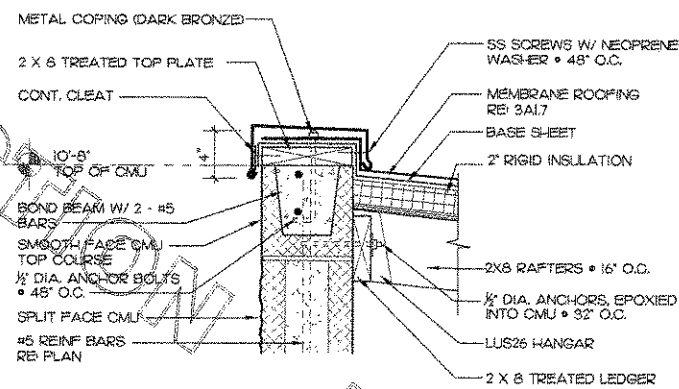
5 TYP. CONTINUITY CORNER
SCALE: NONE



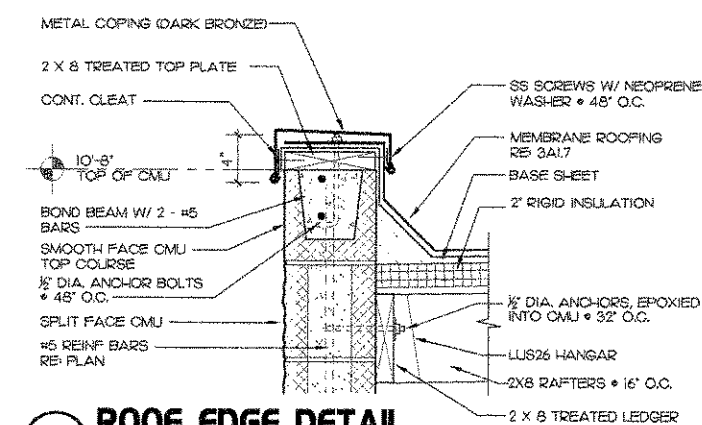
6 ROOF DIAPHRAGM NAILING
SCALE: NONE



7 SECTION-FRONT WALL
SCALE: 1" = 1'-0"



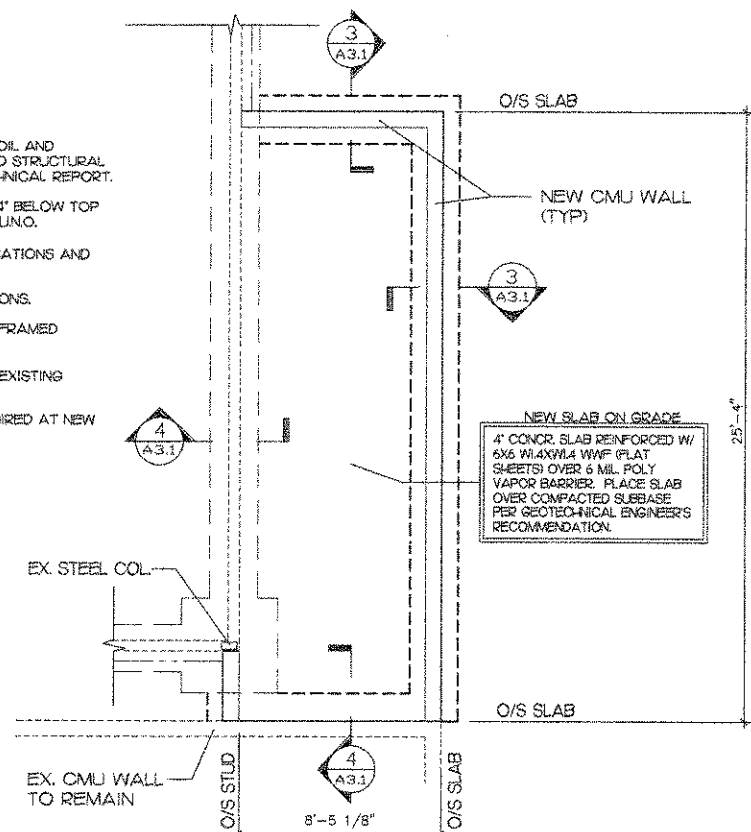
8 ROOF EDGE DETAIL
1 1/2" = 1'-0"



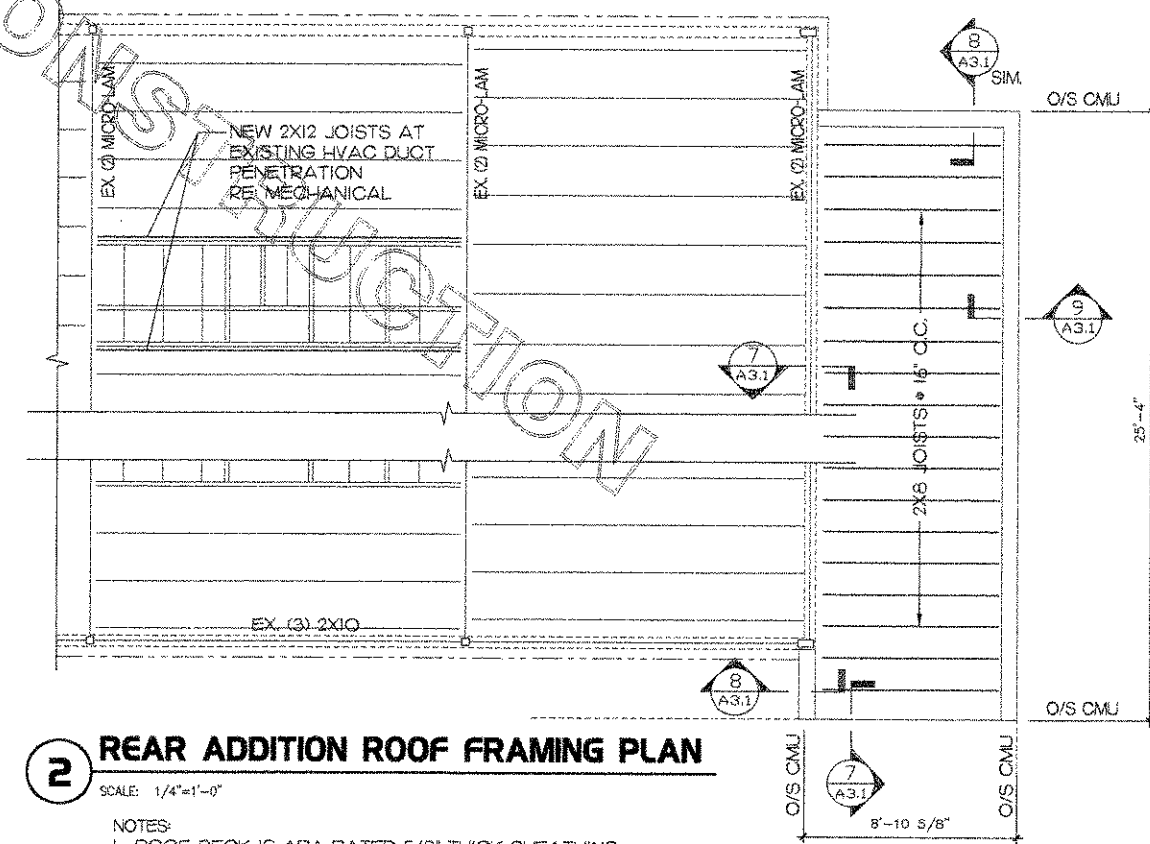
9 ROOF EDGE DETAIL
1 1/2" = 1'-0"

NOTES:

- STRIP 24" OF EXISTING SUBGRADE SOIL AND REPLACE WITH DENSITY CONTROLLED STRUCTURAL FILL AS RECOMMENDED BY GEOTECHNICAL REPORT.
- BOTTOM OF EXTERIOR FTG. EL. = +2'-4" BELOW TOP OF SLAB ELEV. TO MATCH EXISTING L.I.N.O.
- SEE ARCH. DWG FOR ANY WALL LOCATIONS AND OR DIMENSIONS NOT SHOWN.
- RE: ALL FOR MASONRY WALL LOCATIONS.
- PROVIDE (3) 2X6 STUDS @ ENDS AND FRAMED OPENINGS OF WALLS.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
- MODIFY EXISTING FRAMING AS REQUIRED AT NEW HVAC UNIT CURB, RE MECHANICAL.



1 REAR ADDITION FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



2 REAR ADDITION ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:**
- ROOF DECK IS APA RATED 5/8" THICK SHEATHING, EXPOSURE 1 PLYWOOD, TYP.

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SHEET TITLE
FOUNDATION,
FRAMING PLAN

DWG EDITION 01.0

Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : ter
Checked By : bb

Sheet
A-3.I

I HARDWARE SCHEDULE				
* NOT ALL SETS WILL BE USED				
SET	QTY.	ITEM	MANUFACTURER	MODEL NUMBER
1	1	DOOR PUSH/PULL	YKK	H-1141
	1	THUMB TURN CYLINDER	YKK	H-4204
	1	DOOR CLOSER	LON CLOSERS	#4041
	1 SET	O/S PIVOTS	YKK	BRONZE
	1	THRESHOLD	YKK	H-8107
	1	DOOR SWEEP	YKK	H-7101
	1	FLOOR STOP	YKK	
NOTES: 1. PROVIDE CYLINDER BLANKS FOR DOORS NOT REQUIRED TO HAVE A LOCK 2. DOUBLE QUANTITIES FOR DOUBLE DOORS				
2	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	T4A3786 X 4 1/2 X 4 1/2 X US26D X NRP
	1	SURFACE PIVOT	MARKAR PRODUCTS	I923F2C X RH
	1	EXIT DEVICE	VON DUPRIN	99NL X ALLUM X 48"
	1	CYLINDER	SARGENT	34 X US26D
	1	DOOR PULL	BUILDERS BRASSWORKS	2901 X US32D X TB (NO PLATE)
	1	DOOR CLOSER	LON CLOSERS	411N HCLSH X ALLUM X TB X RH
	1	ARMOR PLATE	BUILDERS BRASSWORKS	57 X 40" X 34" X US32D X SMS
	1	THRESHOLD	NATIONAL GUARD	425 X 48"
	1	DOOR SWEEP	NATIONAL GUARD	200N X 48"
	1 SET	WEATHERSTRIPPING	NATIONAL GUARD	160 X 1 / 48" - 2 / 84"
3	3	SILENCERS	BUILDERS BRASSWORKS	WO7
	1	SECURITY WINDOW	A & J MANUFACTURING	1/2" GLF 09" 3" X 3" (INCLUDES MTL FLAP)
	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	T4A2714 X 4 1/2 X 4 1/2 X US26D
	1	PUSH PLATE	BUILDERS BRASSWORKS	47 X 1/8" X 34" X US32D
	1	PULL PLATE	BUILDERS BRASSWORKS	47 X 2901 W X 16" X US32D
	1	DOOR CLOSER	LON CLOSERS	411N CUSH X ALLUM X TB X RH LH
	3	SILENCERS	BUILDERS BRASSWORKS	WO7
	1	FLOOR STOP	BUILDERS BRASSWORKS	8062NX X US26D
	CONT.	HINGES	TEMKO	CMP83 HD X ALLUMX TEK
	1	EXIT DEVICE	VON DUPRIN	22NL X 28P28 X 48 (NON DOOGING)
4	1	DOOR CLOSER	LON CLOSERS	411N HCLSH X ALLUM X TB X RH
	1	CYLINDER	SARGENT	34 X US26D
	3	SILENCER	ROCKWOOD	608
	1	FLOOR STOP	BUILDERS BRASSWORKS	F121 X US26D
5	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA2714 X 4 1/2 X 4 1/2 X US26D
	1	LOCKSET	SARGENT	28-10G05 X LL X US26D
	2	ARMOR PLATE	BUILDERS BRASSWORKS	37" X 1/8" X 34" X US32D
	1	THRESHOLD	NATIONAL GUARD	211 X 36"
6	1	KICKDOWN HOLDER	BUILDERS BRASSWORKS	871 X US26D
	3	SILENCERS	BUILDERS BRASSWORKS	WO7
	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA2714 X 4 1/2 X 4 1/2 X US26D X NRP
	1	SURFACE PIVOT	MARKAR PRODUCTS	I923F2C X RH
	1	LOCKSET	SARGENT	28-10G04 X US10
	1	LOCK GUARD	PRECISION HARDWARE	#1625NL X US32D, STAINLESS STEEL
	1	THRESHOLD	NATIONAL GUARD	425 X 48"
	1	DOOR SWEEP	NATIONAL GUARD	200N X 48"
	1 SET	WEATHERSTRIPPING	NATIONAL GUARD	160 X 1 / 48" - 2 / 84"
	1	DRIP CAP	NATIONAL GUARD	16A X 52"
7	3	SILENCERS	BUILDERS BRASSWORKS	WO7
	1	DOOR CLOSER	LON CLOSERS	411N HCLSH X ALLUM X TB X RH
	1	DOOR CLOSER	LON CLOSERS	#4041
	1	TOE GUARD	NATIONAL GUARD	142KB X 36"
8	2	DOOR PUSH/PULL	YKK	H-1141
	1	FLOOR STOP	YKK	
	2	HINGE GUARD	YKK	H-LON #700 (PUSH SIDE) & H-LON #750 (PULL SIDE)
	1/2	HINGES (PAIR)	YKK	BRONZE (BUTT)
9	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA2714 X 4 1/2 X 4 1/2 X US26D
	1	LOCKSET	SARGENT	28-10G05 X LL X US26D
	1	DOOR CLOSER	LON CLOSERS	411 EDA X ALLUM X TB X LH
	1	KICKDOWN HOLDER	BUILDERS BRASSWORKS	871 X US26D
3	SILENCERS	BUILDERS BRASSWORKS	WO7	

2 FINISH SCHEDULE LEGEND						
FLOOR	KITCHEN TILE #1 (KT #1) NEW TO MATCH EXISTING OR DAL TILE, DAL-QUARRY TEXTURES OTOL, 6'X 6' COLOR - DIABLO RED 661P *SEE NOTE #1	KITCHEN TILE #2 (KT #2) EXISTING TILE TO REMAIN MODIFY/PATCH AS REQUIRED TO MATCH EXISTING	KITCHEN TILE BASE #1 (KTB #1) NEW TO MATCH EXISTING OR DAL TILE, DAL-QUARRY TEXTURES OTOL, 5'X6' WITH COVE BASE AND BULLNOSE COLOR - 661P DIABLO RED *SEE NOTE #1	KITCHEN TILE BASE #2 (KTB #2) EXISTING BASE TO REMAIN MODIFY/PATCH AS REQUIRED TO MATCH EXISTING	DINING ROOM TILE GROUT TO MATCH EXISTING OR TEC, SANDED COLOR - #941 RAVEN	CERAMIC TILE #1 (CT #1) (NEW TO MATCH EXISTING - EXTEND EXISTING PATTERN) CROSSVILLE CERAMICS, CROSSSTREAD, 6'X6' #A790, 'BURGUNDY SMOKE' #A675, 'STONEEDGE'
	CERAMIC TILE #2 (CT #2) (EXISTING FLOOR TO BE REPLACED) DAL TILE, TERRA ANTIQUA SERIES, 12'X12" (INSTALL AT 45°) COLOR - #TA-OI 'ORO' *SEE NOTE #1 & #4	CERAMIC TILE #3 (CT #3) (EXISTING TILE TO REMAIN - PATCH/REPAIR AS REQUIRED) CROSSVILLE CERAMICS, CROSSSTREAD, 6'X6' #A790, 'BURGUNDY SMOKE' #A675, 'STONEEDGE'	CERAMIC TILE BASE #1 (CTB #1) (EXISTING FLOOR TO REMAIN) NEW TO MATCH EXISTING	CERAMIC TILE BASE #2 (CTB #2) TO MATCH NEW FLOOR OR WALL TILE DAL TILE, TERRA ANTIQUA SERIES, 6'X12 WITH COVE BASE AND BULLNOSE COLOR - #TA-OI 'ORO' *SEE NOTE #1, #4 & #5	CERAMIC TILE BASE #3 (CTB #3) EXISTING BASE TO REMAIN MODIFY/PATCH AS REQUIRED TO MATCH EXISTING	CERAMIC TILE BASE #4 (CTB #4) CROSSVILLE CERAMICS, CROSSSTREAD, 6'X12' #A790, 'BURGUNDY SMOKE'
WALLS	CERAMIC TILE #1 (CT #1) DAL TILE, TERRA ANTIQUA SERIES, 12'X12" COLOR - #TA-OI 'ORO' *SEE NOTE #1, #2 & #4	CERAMIC TILE #2 (CT #2) DAL TILE, TERRA ANTIQUA SERIES, 5'X6' COLOR - #TA-OI 'ORO' *SEE NOTE #1, #2 & #4	CERAMIC TILE #3 (CT #3) (NOT USED)	CERAMIC TILE #4 (CT #4) DAL TILE, DMI VERMILLION 6'X6 TILE COLOR-VERMILLION RED	WALL TILE GROUT TEC - SANDED GROUT COLOR - #929 CHARCOAL GRAY	DAL TILE, DMI VERMILLION 6'X6 TILE COLOR-VERMILLION RED
	PAINT #1 SHERWIN WILLIAMS, #SW614 'BAGEL', EGGSHELL FINISH ALL WALLS ABOVE CHAIRRAIL UNLESS NOTED	PAINT #2 NOT USED	PAINT #3 SHERWIN WILLIAMS, #SW614 'BAGEL', EGGSHELL FINISH	PAINT #4 SHERWIN WILLIAMS, #SW614 'BAGEL', EGGSHELL FINISH	PAINT #5 - METAL SHERWIN WILLIAMS, DARK BRONZE BRONZSTONE #504-BSA1014 - INDUSTRIAL ENAMEL ULTRA DEEP BASE (PRIME WITH PREP-RITE BONDING PRIMER #B0150)	FRP NEW TO MATCH EXISTING OR MATCH EXISTING P-198 BRIGHT WHITE, 0.03 THICKNESS SEE NOTE #3
CEILINGS	CEILING TILE #1 NEW TILE AND GRID TO MATCH EXISTING	CEILING TILE #2 ARMSTRONG WORLD INDUSTRIES, WHITE 24" X 24" VINYL ROCK REUSE EXISTING GRID, MODIFY AS REQUIRED.	CEILING TILE #3 ARMSTRONG WORLD INDUSTRIES, WHITE VINYL ROCK W/ WHITE GRID SIZE TO MATCH EXISTING	CEILING TILE #4 ARMSTRONG WORLD INDUSTRIES, WHITE 24" X 24" CORTESA #704 ANGLED REGULAR EDGE REUSE EXISTING GRID, MODIFY AS REQUIRED.	CEILING TILE #5 EXISTING TILE & GRID TO REMAIN, MODIFY/REPAIR AS REQUIRED.	
	MISC. PLASTIC LAMINATE #1 NEW DOORS WILSONART, #7929-38 'HUNTINGTON MAPLE'	PHENOLIC TOILET PARTITIONS BY CLAYTON FIXTURES WILSON ART COLOR 'BRUNESLATE'	ROLLER SHADE SHEERWEAVE, 4000 COLOR OIL GREYSTONE, 64 OPENESS WITH DARK BRONZE METAL VALANCE SEE NOTE #7	SEAMLESS VINYL FLOORING (SVP) PROTECT-ALL SHEET FLOORING, COLOR DARK GREY TEXTURE SIDE UP *SEE NOTE #5		
FINISH SCHEDULE NOTES						
1. CERAMIC TILE - NATIONAL ACCOUNT - DAL TILE - CONTACT: KRISTY TAMPA • (404) 872-1930						
2. CERAMIC TILE OUTSIDE CORNERS AT DINING, PROVIDE 5/16" QUARTER ROUND TRIM STRIP # 347 5073 08025 BY BLANKE, COLOR CARAMEL, CONTACT FOR BLANKE: CATHERINE PETTY 1-800-787-5055.						
3. CLAYTON FIXTURES - CONTACT: VINCE JONES • (404) 684-8767						
WHEN USING TERRA ANTIQUA TILE, PULL FROM MULTIPLE BOXES TO ENSURE PROPER COLOR VARIATION.						
4. CUT BULLNOSE OFF TO APPLY IN RESTROOMS.						
5. PROTECT-ALL FLOORING IS AVAILABLE FROM ALLIED FLOORING 1-404-353-1103 CONTACT: RICH NEALE AND SHALL BE INSTALLED BY A CERTIFIED INSTALLER. FLOORING INSTALLER TO PROVIDE 2" 16 GA. STAINLESS STEEL RINGS AROUND FLOOR DRAINS & CLEAN OUTS. FLOAT THE FLOOR WITH A 2 PART THIN SET AT ANY SLAB DEPRESSION TO AVOID PONDING. FOLLOW MANUFACTURERS WRITTEN INSTRUCTIONS. INSTALL FLOOR TEXTURE SIDE UP (UPSIDE DOWN) UNLESS REQUIRED BY LOCAL HEALTH CODES.						
6. ROLLER SHADES - CONTACT: KEN GUEST AT MERLIN MANUFACTURING (330) 848-6796. EMAIL: K3GUEST@MERLINMFG.COM						

3 DEMOLITION GENERAL NOTES

- ALL EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR
- REMOVE EXISTING MECHANICAL EQUIPMENT AS SHOWN ON MECHANICAL PLANS - UNO
- REMOVE EXISTING PLUMBING EQUIPMENT AS SHOWN ON PLUMBING PLANS - UNO. CLEAN AND STORE FIXTURES FOR REUSE
- REMOVE EXISTING ELECTRICAL EQUIPMENT AS SHOWN ON ELECTRICAL PLANS - UNO
- REMOVE EXISTING UNUSED PIPING/CONDUITS/BLOCKING/WIRING, ETC. FROM BUILDING AS REQUIRED - UNO
- ALL CONNECTIONS TO EXISTING PLUMBING FIXTURES TO BE REMOVED SHALL BE CAPPED OFF WITHIN WALL, CEILING OR 4" BELOW FLOOR AS REQUIRED.
- ALL CONNECTIONS TO EXISTING ELECTRICAL FIXTURES OR EQUIPMENT TO BE REMOVED SHALL BE CAPPED OFF WITHIN NEAREST ELECTRICAL JUNCTION BOX AS REQUIRED. NOTE ANY CHANGE ON PANEL BOARD SCHEDULE.
- DEMOLITION WORK SHALL INCLUDE ANY AND ALL WORK REQUIRED TO ACCOMPLISH THE WORK SHOWN OR REQUIRED BY THIS CONTRACT.
- ALL MATERIALS REMOVED DURING DEMOLITION SHALL BE REMOVED FROM SITE BY CONTRACTOR.
- ALL ITEMS MARKED FOR DEMO & REUSE TO BE CLEANED, REPAIRED AS REQUIRED AND PROPERLY STORED TO PREVENT DAMAGE.

4 FLOOR PLAN GENERAL NOTES

- DIMENSIONS ARE FROM THE FACE OF STUD TO FACE OF STUD (UNLESS NOTED OTHERWISE).
- ANY AND ALL PLUS OR MINUS DIMENSIONS SHOWN ARE TO BE VERIFIED BY THE CONTRACTOR.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- ALL WORK SHALL COMPLY WITH CURRENT EDITIONS OF ALL APPLICABLE LOCAL AND NATIONAL CODES
- ALL FLOOR, CEILING & WALL REPAIRS, MODIFICATIONS, PATCHES, ETC. SHALL BE MADE FLUSH W/ EXISTING SURFACES AND SHALL MATCH TEXTURES, WOOD SPECIES, COLOR AND FINISHES UNLESS OTHERWISE NOTED.
- REPAIR ANY DAMAGE INCURRED DURING DEMOLITION OR CONSTRUCTION TO EXISTING SURFACES OR EQUIPMENT AS REQUIRED.
- WORK AREA SHALL BE CLEAN AT ALL TIMES AND DEBRIS SHALL BE REMOVED IMMEDIATELY.
- REFER TO KITCHEN EQUIPMENT PLANS FOR LOCATIONS OF ALL NEW EQUIPMENT.
- NEW FURNITURE PACKAGE PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR.
- PATCH / CAP ALL EXISTING ROOF PENETRATIONS WHERE EXISTING EQUIPMENT IS TO BE REMOVED, PATCH ROOF TO MATCH EXISTING OR PROVIDE 18GA. METAL CURB CAP WITH 6" INSULATION WITHIN OPENING.
- CONTRACTOR SHALL COORDINATE ALL WORK AND SHUTDOWN TIMES WITH THE LMT OPERATOR AND CHICK-FIL-A CONSTRUCTION REPRESENTATIVE.
- PROVIDE ROLLER SHADES AT ALL INTERIOR WINDOWS RE 2AD11
- PROVIDE TERMITE TREATMENT UNDER ALL NEW BUILDING SLABS RE 6AD11 FOR DETAILS
- PATCH/REPAIR ALL DAMAGED AND OR MISSING FLOOR, BASE WALL OR CEILING TILES AS REQUIRED.
- REPAIR AND MAINTAIN ON ALL EXISTING DOORS TO REMAIN AS REQUIRED

6 TERMITE TREATMENT

NATIONAL ACCOUNT TO PRE-TREAT SLABS:
TERMINIX ACCOUNT REPRESENTATIVES:
ROSA NEWELL 1-800-238-6189 EXT #1410 - EMAIL: RNEWELL@TERMINIX.COM
TONY CANALE 1-800-238-6189 EXT #1763 - EMAIL: TCANALE@TERMINIX.COM

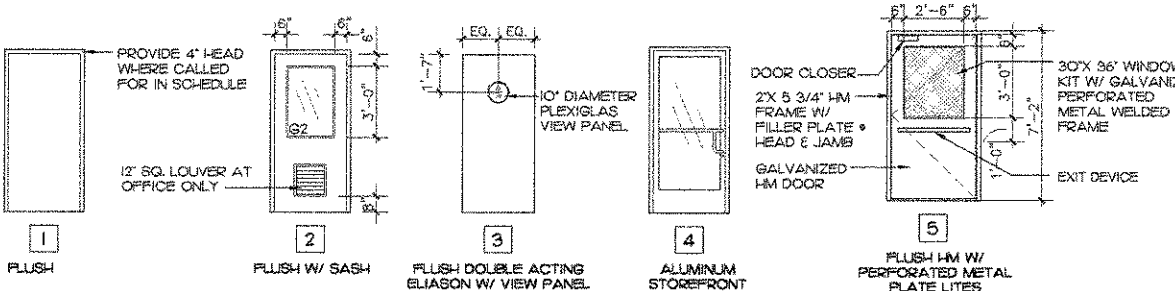
PROCEDURE:
1. GENERAL CONTRACTOR SHALL CONTACT ACCOUNT REPRESENTATIVE 48 TO 72 HOURS BEFORE THE SLAB IS TO BE PLACED.

- PROVIDE THE PROJECT ADDRESS, CPA STORE NUMBER, SQUARE FOOTAGE OF AREA TO BE TREATED AND BILLING ADDRESS OF THE GENERAL CONTRACTOR.
- AFTER FINAL GRADING WORK HAS BEEN COMPLETED CONTACT THE ACCOUNT REPRESENTATIVE AND TERMINIX WILL TREAT THE PERIMETER OF THE BUILDING. PRIOR TO PLACEMENT OF SIDEWALKS
- TERMINIX WILL FORWARD A COPY OF THE TREATMENT CERTIFICATE TO CPA HOME OFFICE AND THE GENERAL CONTRACTOR.

7 GLASS SCHEDULE

* NOT ALL TYPES WILL BE USED

MARK	THICKNESS	TYPE	TINT	REMARKS
G1	TO MATCH EXISTING	TO MATCH EXISTING	TO MATCH EXISTING	
G2	1/4"	TEMPERED	CLEAR	
G3	1/4"	ANNEALED	ONE-WAY GLASS	
G4	1/4"	LAMINATED	CLEAR	
G5	1"	TEMPERED	CLEAR	INSULATED (PROVIDE 2" MILLIONS • EXTERIOR WINDOWS WHERE SHOWN)



5 DOOR TYPES

1/4" = 1'-0"

5200 Buffington Rd.
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30349-2998

Revisions:
 Mark Date By
 1 3/20/07 TR

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Mark Date By
 2 5/14/07 TR

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Seal

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 5440 Forest Dr.
 Columbia, SC
 29206

SHEET TITLE
 SCHEDULES &
 GENERAL NOTES

DWG EDITION 01.0

Job No. : A07-009
 Store : 0945
 Date : 2/16/07
 Drawn By : ter
 Checked By : bb

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AD-II

1. ROOFING GENERAL NOTES:

- ALL EXISTING ROOFING TO REMAIN PATCH/REPAIR AS REQUIRED.
- CRICKETS SHALL BE CONSTRUCTED OF RIGID INSULATION AS REQUIRED TO PROVIDE SLOPE OF 1/8" PER FOOT MIN.
- PAINT ALL EXPOSED GAS PIPING ON ROOF DARK BRONZE (2 COATS).
- ALL CONDENSATE LINES SHALL BE INSTALLED TO PROVIDE POSITIVE DRAINAGE. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED TO ELIMINATE SAGGING.
- OVERFLOW SCUPPERS SHALL BE 4" HIGH BY 12" WIDE AND SHALL BE INSTALLED WITH THEIR BOTTOM EDGE 2" ABOVE THE BOTTOM EDGE OF THE ROOF SURFACE.

2. NEW ADDITION MEMBRANE ROOFING SPECIFICATION:

PART 1 GENERAL

11. ROOF SYSTEM DESCRIPTION

- CONTRACTOR SHALL FURNISH AND INSTALL A 30 MIL SINGLE-PLY MEMBRANE ROOFING SYSTEM THAT IS FABRICATED OF A WEFT INSERTED LOW-SHRIEK ANTI-WICKING POLYESTER FABRIC AND HAS A THERMOPLASTIC COATING LAMINATED TO BOTH SIDES AS MANUFACTURED BY DURO-LAST ROOFING, INC.
- INSULATION MINIMUM 2" THICK POLYISOCYANURATE INSULATION MECHANICALLY FASTENED.

12. QUALITY ASSURANCE

- GENERAL CONTRACTOR SHALL CONTACT DURO-LAST ROOFING, INC. UNID BEUTLIN REGIONAL SALES MANAGER FOR A LIST OF AUTHORIZED DURO-LAST INSTALLERS TO BID PROJECT AT 1-800-243-0280 EXT. 210. ANY ROOFING CONTRACTORS NOT APPROVED THROUGH THIS DEPARTMENT WILL BE REJECTED.

B. CONTRACTOR

- PROVIDE MANUFACTURER'S WRITTEN PROOF THAT CONTRACTOR IS AUTHORIZED TO INSTALL THE DURO-LAST SYSTEM.

13. WARRANTY

- THE GENERAL CONTRACTOR TO PROVIDE A NON-PRORATED 15 YEAR NDL DURO-LAST WARRANTY. COVERING MATERIAL AND WORKMANSHIP.
- PROVIDE MANUFACTURER'S WRITTEN PROOF THAT CONTRACTOR IS AUTHORIZED TO INSTALL THE DURO-LAST SYSTEM WITH BID DOCUMENTS.
- ROOFING CONTRACTOR TO NOTIFY UNID BEUTLIN AT DURO-LAST PRIOR TO START OF ROOFING INSTALLATION.
- ROOFING CONTRACTOR TO PRESENT A COPY OF THE INSPECTION REPORT FROM THE DURO-LAST QUALITY ASSURANCE DEPARTMENT WITH THE WARRANTY.

PART 2 PRODUCTS

2.0 PRODUCTS

- MEMBRANE COMPONENTS TO BE PRODUCTS OF DURO-LAST ROOFING, INC. NO SUBSTITUTIONS WILL BE ACCEPTED.
- A SPECIAL FORMULATED, PERMANENT, THERMOPLASTIC ALLOY, BONDED TO A HIGH TENACITY, LOW SHRINKAGE WEFT INSERTED POLYESTER FABRIC WITH RESISTANCE TO ULTRAVIOLET RAYS, MICROORGANISMS AND IMPERVIOUS TO MOST CAUSTIC CHEMICALS, ANIMAL FATS, GREASES AND OILS TYPICALLY FOUND ON A RESTAURANT ROOF.
- MEMBRANE SHALL BE FACTORY DIELECTRICALLY WELDED INTO PREFABRICATED SHEETS UP TO 2500 SQUARE FEET OR AS DETERMINED BY JOB CONDITION.
- THE NEW ROOFING SHALL BE A PREFABRICATED MECHANICALLY FASTENED INSTALLATION OF SINGLE-PLY REINFORCED MEMBRANE, 40 MILS THICK.
- PIRE RESISTANCE: THE ROOFING SYSTEM SHALL MEET UL CLASS A, ALL PACKAGING OF MEMBRANE AND INSULATION SHALL BEAR UL CLASS A LABEL.
- MEMBRANE COLOR SHALL BE (WHITE, TAN, GRAY) SELECTED FROM MANUFACTURER'S SAMPLES.

B. INSULATION

- INSULATION BOARD SHALL BE THE MINIMUM OF 2 INCH POLYISOCYANURATE (30 PSI 137.8KPA), MECHANICALLY ATTACHED AND APPROVED BY DURO-LAST ROOFING, INC. FOR THE SYSTEM PROPOSED AND ISSUANCE OF THE WARRANTY.

3.0 EXECUTION

- SUBSTRATE INSPECTION
 - INSPECT ALL SURFACES TO RECEIVE ROOFING FOR ANY CONDITION THAT WILL ADVERSELY AFFECT EXECUTION, PERFORMANCE, OR QUALITY OF WORK.
 - ALL ROOF SURFACES AND ALL SLOPED SURFACES TO DRAINS AND OUTLETS SHALL BE CHECKED AND APPROVED BY THE ROOFING CONTRACTOR PRIOR TO THE START OF THE ROOFING WORK.
 - INSTALL ROOFING MATERIAL ONLY UNDER SATISFACTORY CONDITIONS AS SPECIFIED BY THE MEMBRANE MANUFACTURER.
- GENERAL REQUIREMENTS
 - PRECAUTIONS
 - DO NOT LAY OUT OR EXPOSE ANY INSULATION ON THE DECK THAT CANNOT BE COVERED BY MEMBRANE ON THE SAME DAY.
 - IN MAKING ALL FIELD HEAT WELDS MAKE SURE ALL EDGES ARE CLEAN AND FREE OF TAR, MASTIC OR OTHER FOREIGN ITEMS.
 - DO NOT EXPOSE MEMBRANE AND ACCESSORIES TO A CONSTANT TEMPERATURE IN EXCESS OF 110 DEGREES FAHRENHEIT.
 - SEALANTS AND ADHESIVES SHOULD BE APPLIED ACCORDING TO DURO-LAST, INC.'S SPECIFICATIONS.
 - START SECURING THE MEMBRANE AT THE HIGHEST POINT AND WORK TOWARDS THE DRAINS.
 - PROTECTION OF ROOFING SURFACES
 - STORING, WHEELING, OR TRUCKING DIRECTLY ON ROOF INSULATION OR MEMBRANE SURFACE IS NOT RECOMMENDED. SMOOTH, CLEAN PLYWOOD OR PLANK WALKWAYS, RUNWAYS AND PLATFORMS SHALL BE PROVIDED AS NECESSARY.

C. INSULATION INSTALLATION

- THE ROOF INSULATION SHALL BE INSTALLED WITH APPROVED FASTENERS AND DISTRIBUTION PLATES PLACED ACCORDING TO THE MANUFACTURER'S MOST RECENT PUBLISHED SPECIFICATIONS FOR THE USE UNDER THE DURO-LAST ROOFING SYSTEM AND FOR ISSUANCE OF THE WARRANTY.

D. MEMBRANE INSTALLATION

- INSTALL THE ROOFING SYSTEM TO DURO-LAST, INC.'S MOST RECENT PUBLISHED SPECIFICATIONS.
- INSPECTION & WARRANTY
 - AFTER THE INSTALLATION IS COMPLETE, A DURO-LAST QUALITY ASSURANCE SPECIALIST SHALL INSPECT THE VISIBLE DETAILS OF THE ROOFING SYSTEM FOR ACCEPTABILITY FOR WARRANTY ISSUANCE. ANY DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AND MADE READY FOR REINSPECTION WITHIN FIVE (5) WORKING DAYS. UPON ACCEPTANCE, THE WARRANTY SHALL BE PROMPTLY ISSUED.

E. INSPECTION & WARRANTY

- AFTER THE INSTALLATION IS COMPLETE, A DURO-LAST QUALITY ASSURANCE SPECIALIST SHALL INSPECT THE VISIBLE DETAILS OF THE ROOFING SYSTEM FOR ACCEPTABILITY FOR WARRANTY ISSUANCE. ANY DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AND MADE READY FOR REINSPECTION WITHIN FIVE (5) WORKING DAYS. UPON ACCEPTANCE, THE WARRANTY SHALL BE PROMPTLY ISSUED.

3.1 JOB COMPLETION

- INSPECT COMPLETED ROOFING AND CORRECT ALL DEFECTS TO MEET THE SPECIFICATION REQUIREMENTS.
- MANUFACTURER REPRESENTATIVE SHALL INSPECT THE COMPLETED ROOFING SYSTEM AND NOTIFY THE CONTRACTOR OF ANY DEFECTS IN THE APPLICATION.
- ROOFING CONTRACTOR SHALL COMPLETE ALL PUNCH LIST ITEMS WITHIN 10 WORKING DAYS FROM RECEIPT OF PUNCH LIST.
- CLEAN UP ALL DEBRIS, EXCESS MATERIALS AND EQUIPMENT AND REMOVE FROM SITE.

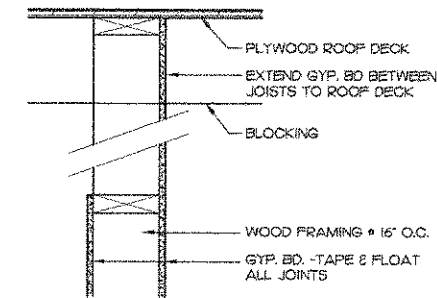
3 ELEVATION GENERAL NOTES

- REFER TO CIVIL DRAWINGS FOR FINISH GRADES
- PROVIDE BLOCKING FOR ALL NEW EXTERIOR WALL MOUNTED LIGHT FIXTURES.
- PAINT ALL WOOD AND METALS EXPOSED TO THE EXTERIOR.
- ALL SITE METALS TO PAINTED DARK BRONZE UNO.
- ALL NEW AND EXISTING EIFS TO BE PAINTED EIFS #1
- REPAIR ALL EXISTING METAL ROOFS/AWNINGS TO REMAIN AS REQUIRED

4 STOREFRONT NOTES

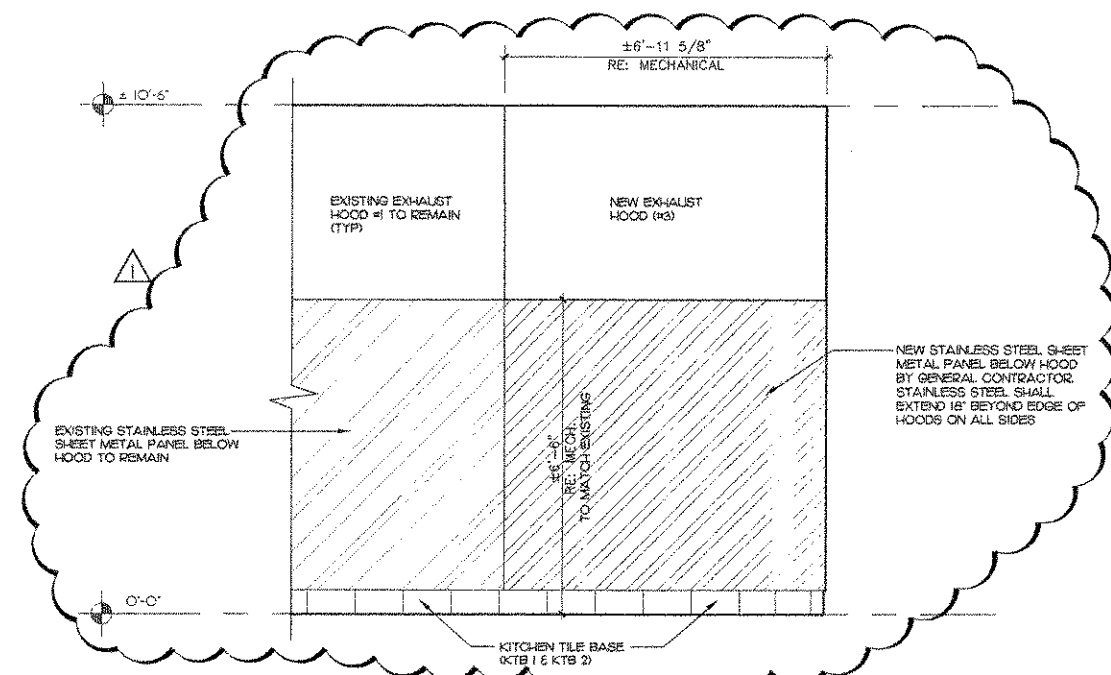
COLOR: TO MATCH EXISTING

PRIMARY SUPPLIER
 YKC- MICHAEL CLIFTON
 7680 THE BLUFFS, STE. 100
 ALBISTELL, GA 30168
 1-578-838-6000
 1-678-338-6034 (DIRECT)
 EMAIL: MICHAEL.CLIFTON@YKC-API.COM



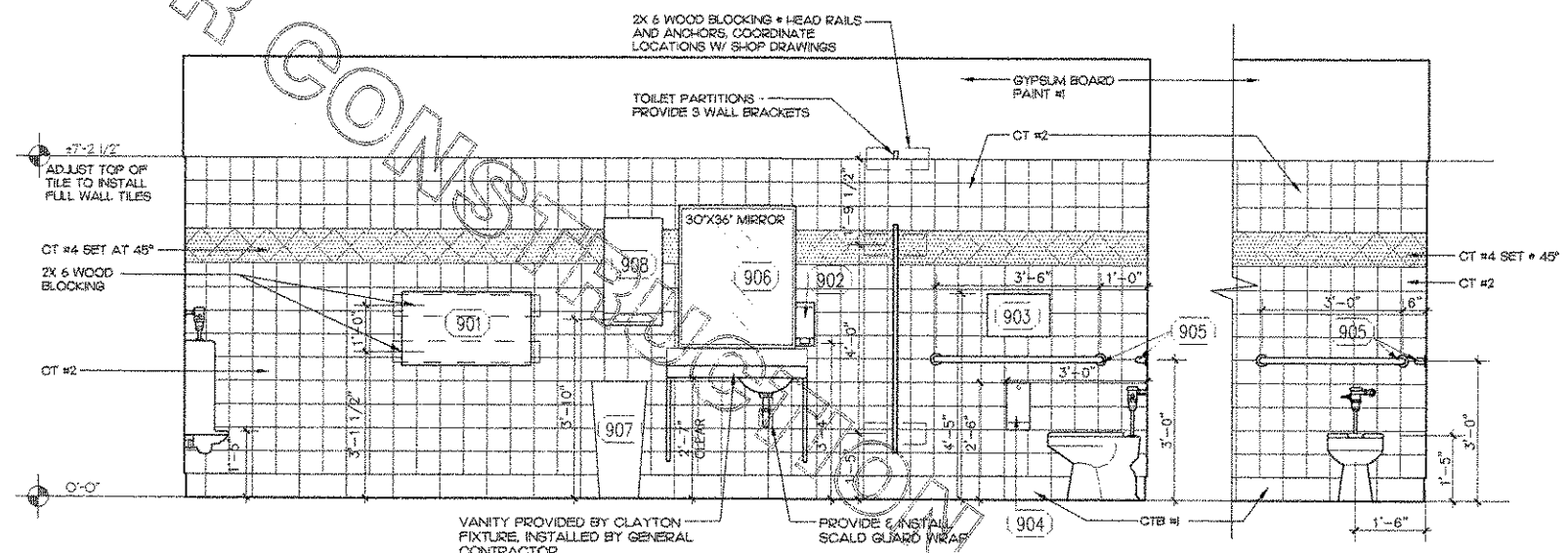
5 DRAFTSTOPPING DETAIL

1/2" = 1'-0"



7 TYPICAL KITCHEN ELEVATION/MOUNTING HEIGHTS

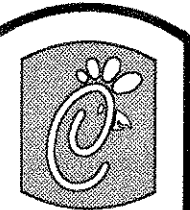
1/2" = 1'-0"



6 TYPICAL RESTROOM ELEVATION/MOUNTING HEIGHTS

1/2" = 1'-0"

DESCRIPTION	QUANTITY	MANUFACTURER	FURNISHED BY	INSTALLED BY	MODEL #
(901) BABY CHANGING STATION	2	QUEBBERMAID	OWNER	EQUIPMENT INSTALLER	
(902) SOAP DISPENSER	2	SANIFRESH	MEDLEY	EQUIPMENT INSTALLER	
(903) TOILET SEAT COVER DISP.	3	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0477SM
(904) TOILET PAPER DISPENSER	3	SAN JAMAR	OWNER	GENERAL CONTRACTOR	#T290TEK
(905) GRAB BAR	2 EACH	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#3201-36 & 3201-42
(906) MIRROR	2	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0620-A
(907) TRASH RECEPTACLE	2	-	OWNER	EQUIPMENT INSTALLER	#1636
(908) PAPER TOWEL DISP.	5	SAN JAMAR	OWNER	GENERAL CONTRACTOR	#R3090TEK
(909) SANITARY NAPKIN DISPOSAL	2	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0473-A



Chick-fil-Cee

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 Atlanta Georgia,
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 29206

SHEET TITLE
 GENERAL NOTES
 INTERIOR ELEV.

DWG EDITION 01.0

Job No. : A07-009

Store : 0945

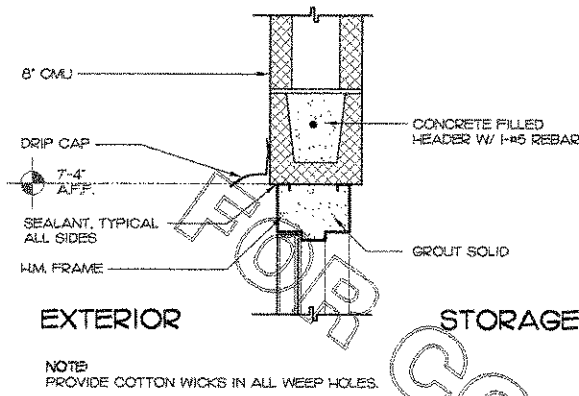
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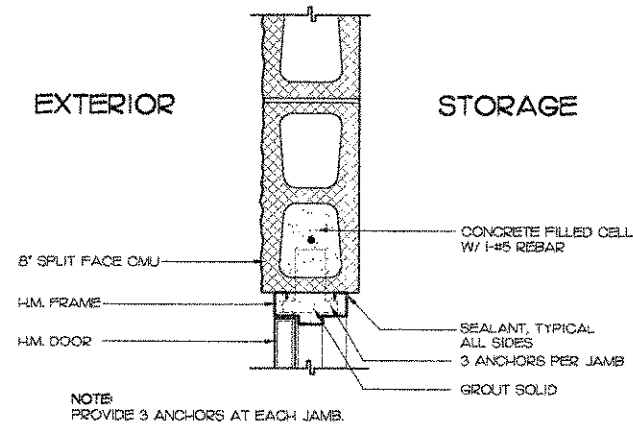
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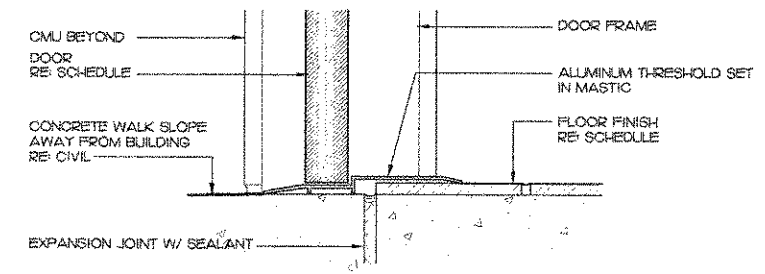
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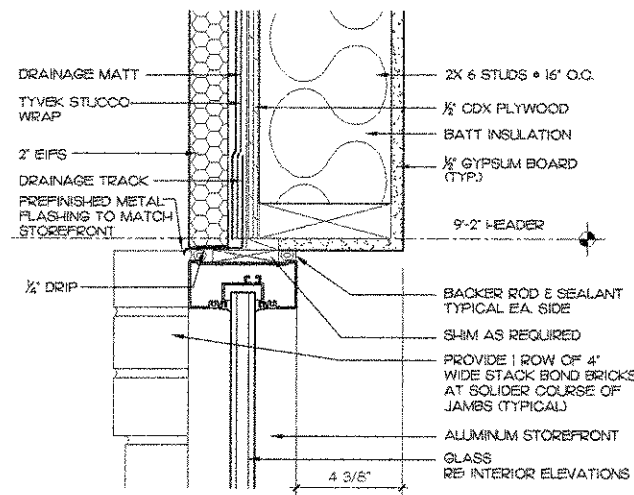
1 TYPICAL EXTERIOR DOOR HEAD
1 1/2"=1'-0"



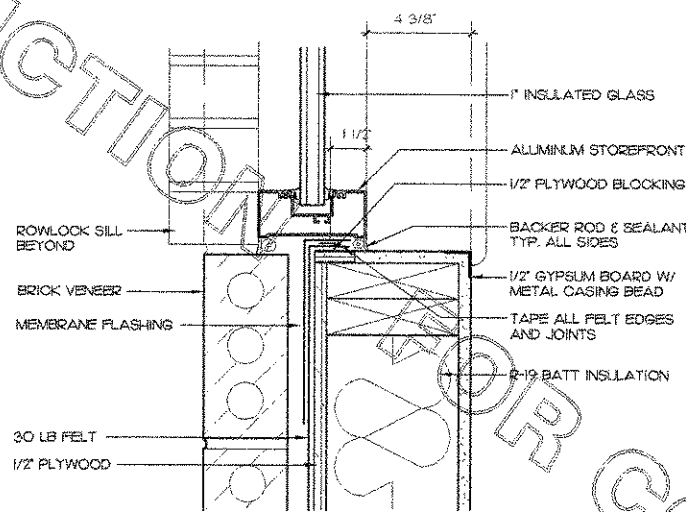
2 TYPICAL EXTERIOR DOOR JAMB
1 1/2"=1'-0"



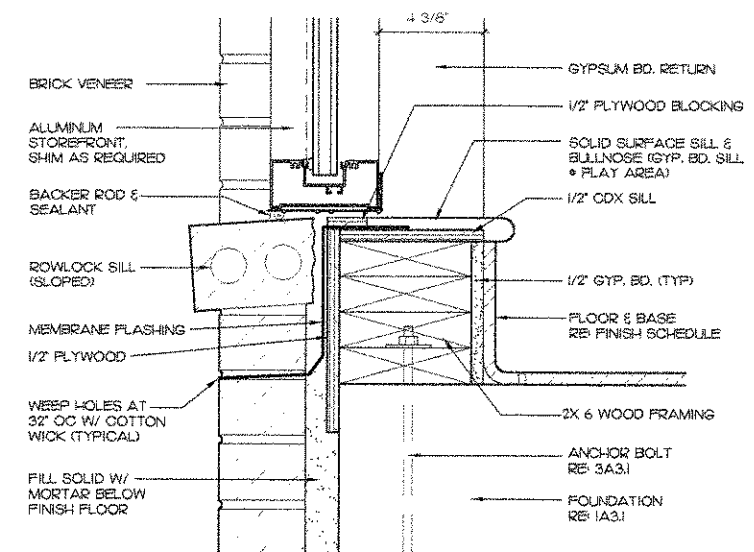
3 TYPICAL EXTERIOR DOOR THRESHOLD
3"=1'-0"



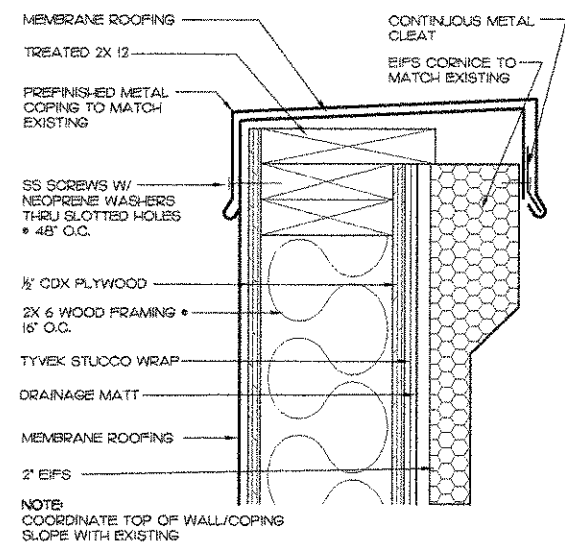
4 EIFS HEAD
3"=1'-0"



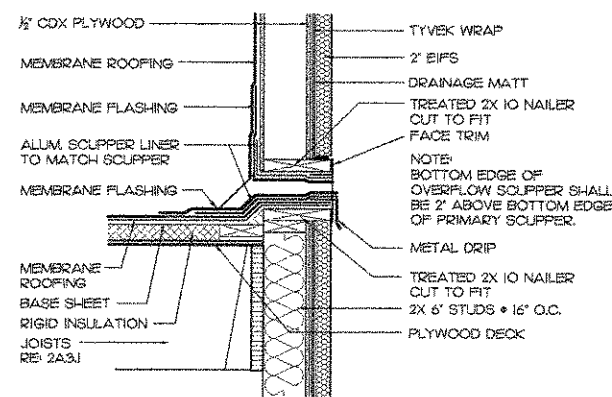
5 TYPICAL WINDOW JAMB
3"=1'-0"



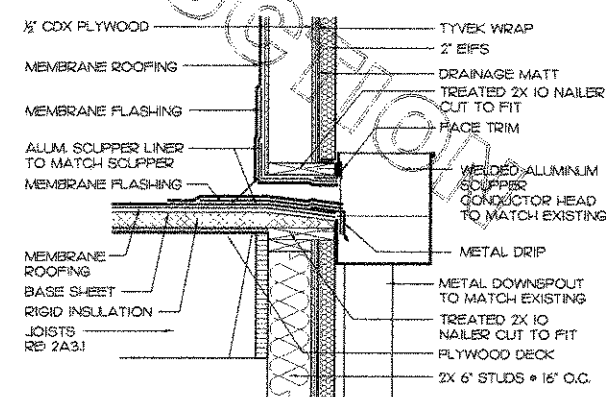
6 TYPICAL WINDOW SILL
3"=1'-0"



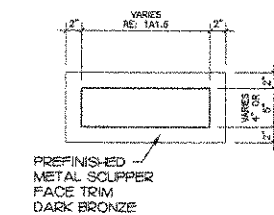
7 EIFS PARAPET CAP DETAIL
3"=1'-0"



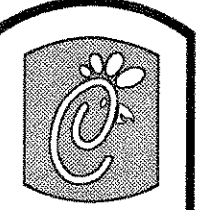
8 OVERFLOW SCUPPER DETAIL
1"=1'-0"



9 SCUPPER DETAIL
1"=1'-0"



10 TRIM
1"=1'-0"



C. Construction

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Revisions:
Mark Date By
1 3/20/07 TR

OWNER CHANGES

Mark Date By
2 5/14/07 TR

OWNER CHANGES

Mark Date By
3

Seal



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Baton Rouge, LA 70808
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F (413) 410-7790

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5440 Forest Dr.
Columbia, SC
29206

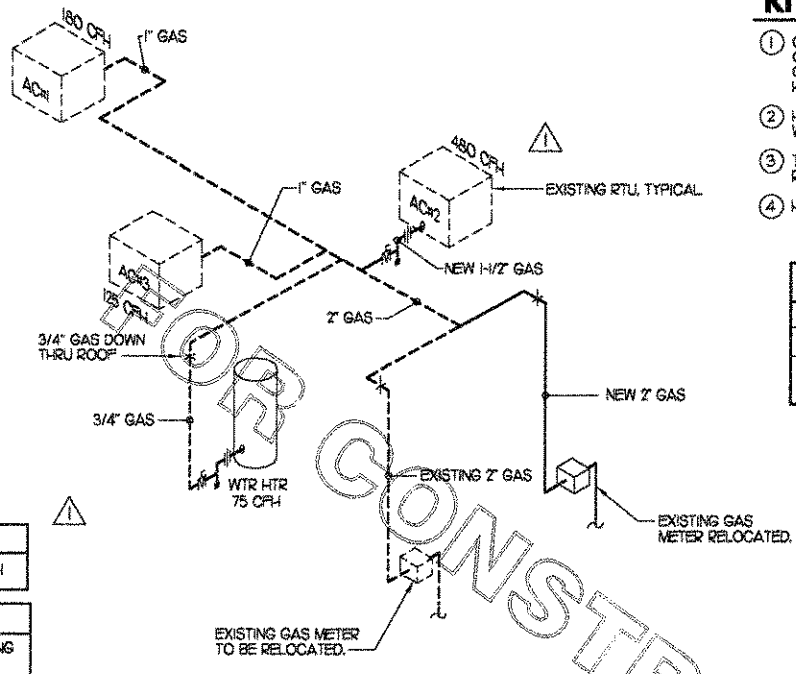
SHEET TITLE
TYPICAL
DETAILS

DWG EDITION 01.0

Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : ter
Checked By : bb

Sheet

AD-13



KITCHEN HOOD SYSTEMS NOTES

- CHICK-FL-A MAINTAINS A NATIONAL ACCOUNT WITH HALTON CO. FOR THE HOODS. CHICK-FL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 FOR MORE INFO.
- HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS AS PER NFPA-96.
- TURNS IN GREASE EXHAUST DUCTWORK SHALL BE LONG RADIUS TYPE WITH A CENTERLINE RADIUS R=3W/2, NO EXCEPTIONS ALLOWED, NO MITERED FITTINGS ALLOWED.
- HOOD INSTALLATION MUST MEET REQUIREMENTS OF NFPA 96 LATEST EDITION.

GREASE ACCESS DOOR SCHEDULE

MARK	OPENING SIZE	DOOR SIZE
A	64 X 10W	64 X 12W

1) ACCESS DOOR SHALL BE UL 65X3 OR 1978 LISTED, REQUIRE NO TOOLS FOR REMOVAL AND BE EQUAL TO DUCTMATE.

GENERAL NOTES

- DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
- HARDPIPE SHALL BE USED FOR ALL TAKE-OFFS EXCEPT WHERE ALLOWED BY DETAIL. USE OF FLEXIBLE DUCT SHALL BE LIMITED TO THOSE SITUATIONS WHERE NO OTHER MEANS TO ACCOMPLISH ROUTING IS POSSIBLE.
- COORDINATE NEW WORK WITH EXISTING CONDUIT, STRUCTURE AND PIPING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
- PROVIDE WALL MOUNTED SMOKE DETECTOR ANNUNCIATOR FOR ACH2. SEE KEY NOTES FOR MORE INFORMATION.
- GAS AND CONDENSATE PIPING MATERIAL, INSTALLATION AND SUPPORT TO MATCH EXISTING.
- CONDENSATE PIPE SIZE FOR ACH2 SHALL BE 1/2".

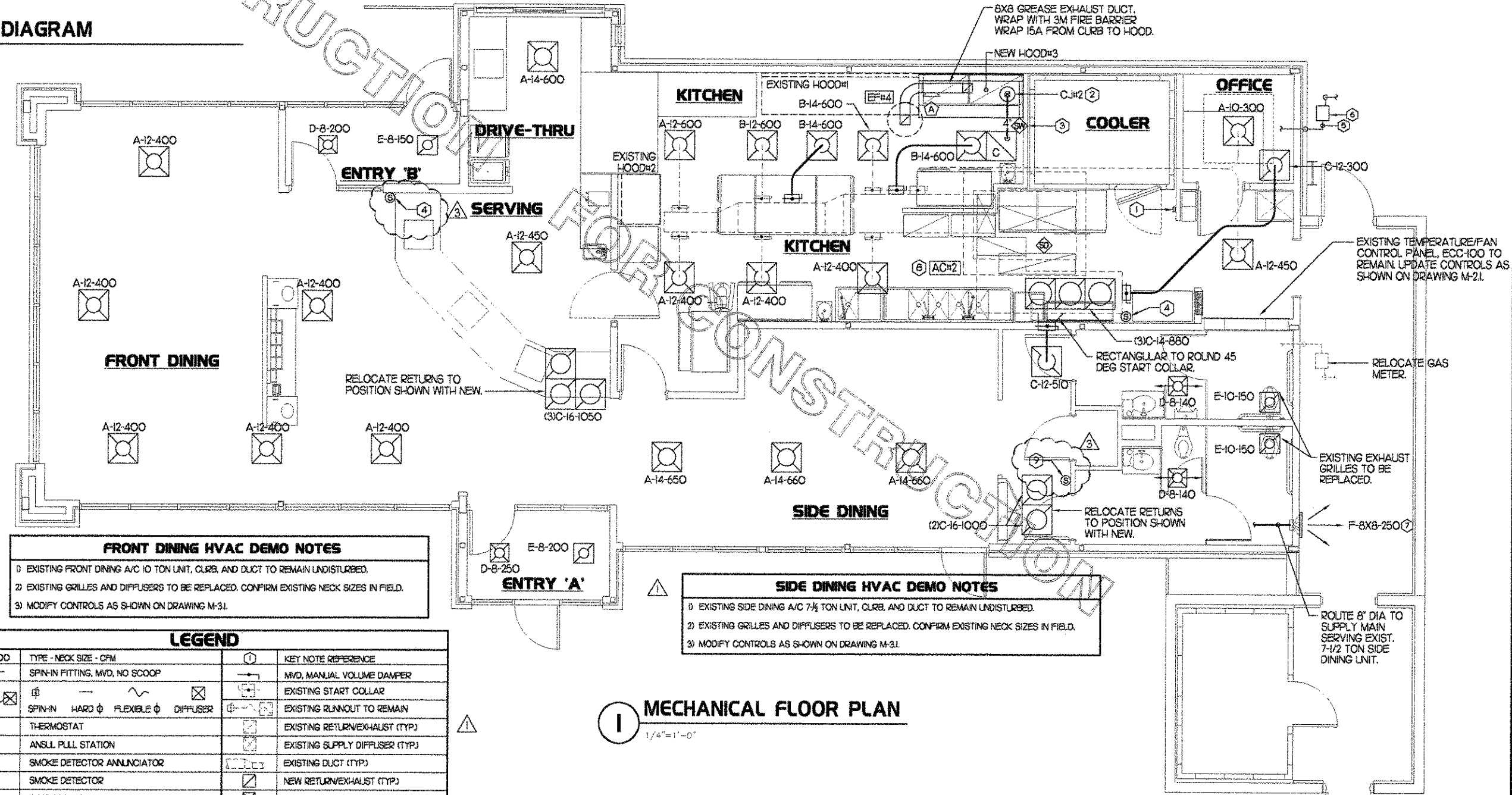
KEY NOTES

- SUNCOAST ENVIRONMENTAL CONTROLS (SEC) SMOKE DETECTOR ANNUNCIATOR FOR ACH2. SMOKE DETECTOR ANNUNCIATOR TO BE PURCHASED FROM SEC (PH: 877-544-6679). NO SUBSTITUTES ALLOWED. MOUNT ANNUNCIATORS ON WALL WHERE SHOWN.
- HALTON CAPTURE JET FAN MOUNTED ON HOOD. SEE HALTON SHOP DRAWINGS FOR INSTALLATION.
- WALL SWITCH FOR NEW EF#4, INSTALLED AND WIRED BY ELECTRICAL MECHANICAL CONTRACTOR TO PROVIDE ENGRAVED RED BAKELITE LABEL DIRECTLY BELOW SWITCH WITH 3/8" HIGH WHITE LETTERING STATING "FAN AT OVEN HOOD". INTERLOCK WITH HALTON CAPTURE JET FAN ON TOP OF HOOD.
- MOUNT NEW THERMOSTAT REMOTE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO NEW THERMOSTAT IN EXISTING TEMPERATURE AND FAN CONTROL PANEL. SEE LENNOX CONTROLS DETAIL 3/M31.
- ROUTE NEW 2" GAS LINE TIGHT UP EXTERIOR WALL AND TURN THRU WALL ONTO ROOF. CONNECT TO EXISTING GAS LINE ON ROOF. NEW GAS PIPING SHALL BE PAINTED WITH A ZINC BASED PRIMER WITH A COLOR TOP COAT SPECIFIED BY THE GC. WHERE COLOR TOP COAT IS NOT REQUIRED, TWO COATS OF ZINC BASE PRIMER SHALL BE USED. ALL FIELD JOINTS SHALL BE COATED WITH TWO COATS OF A ZINC BASED PRIMER.
- RELOCATED GAS METER. COORDINATE RELOCATION WITH LOCAL GAS COMPANY.
- MOUNT NEW SIDEWALL HIGH ON WALL ROUTE THRU SIDE WALL ABOVE RR CEILING.
- SEE EXISTING GAS FIRED ROOFTOP UNIT SCHEDULE ON M21 FOR ADDITIONAL WORK.
- MOUNT NEW THERMOSTAT REMOTE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO NEW THERMOSTAT IN EXISTING TEMPERATURE AND FAN CONTROL PANEL. SEE CARRIER CONTROLS DETAIL 2/M31.

KITCHEN HVAC DEMO NOTES

- EXISTING KITCHEN A/C IS TON UNIT, CURB, AND DUCT TO REMAIN UNDISTURBED.
- MODIFY CONTROLS AS SHOWN ON DRAWING M-31.
- RELOCATE EXISTING WALL MOUNTED SMOKE DETECTOR ANNUNCIATORS AS REQUIRED IF LOCATED ON WALLS BEING DEMO'D. COORDINATE WITH CFA CONSTRUCTION MANAGER FOR NEW MOUNTING LOCATION.
- EXISTING GRILLES AND DIFFUSERS TO BE REPLACED. CONFIRM EXISTING NECK SIZES IN FIELD.

2 NATURAL GAS RISER DIAGRAM
NO SCALE



LEGEND

MARK	TYPE - NECK SIZE - CFM	KEY NOTE REFERENCE
⊕	SPIN-IN FITTING, MVD, NO SCOOP	MVD, MANUAL VOLUME DAMPER
⊕	SPIN-IN HARD ⌀ FLEXIBLE ⌀ DIFFUSER	EXISTING START COLLAR
⊕	SPIN-IN HARD ⌀ FLEXIBLE ⌀ DIFFUSER	EXISTING RUNOUT TO REMAIN
⊕	THERMOSTAT	EXISTING RETURN/EXHAUST (TYP)
⊕	ANSUL PULL STATION	EXISTING SUPPLY DIFFUSER (TYP)
⊕	SMOKE DETECTOR ANNUNCIATOR	EXISTING DUCT (TYP)
⊕	SMOKE DETECTOR	NEW RETURN/EXHAUST (TYP)
⊕	THERMOSTAT REMOTE TEMP SENSOR	NEW SUPPLY DIFFUSER (TYP)
⊕	HUMIDITY SENSOR	NEW DUCT (TYP)
⊕	GREASE ACCESS DOOR TYPE	

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
#1	03/20/07	OWNER CHANGES
#2	05/14/07	OWNER CHANGES
#3		

Seal

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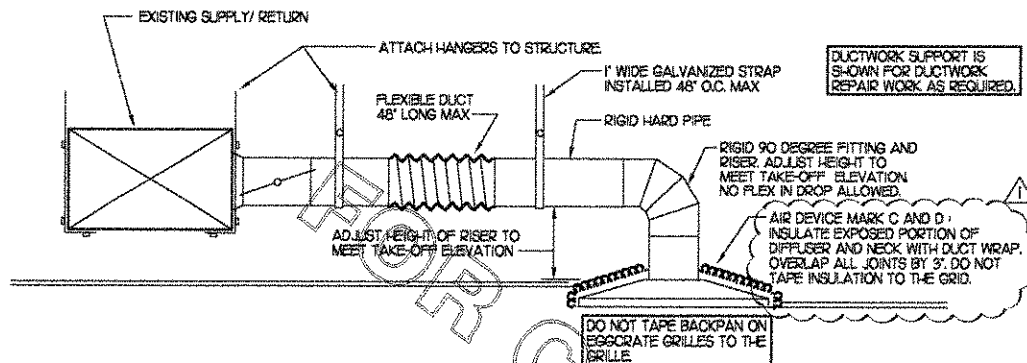
SHEET TITLE
MECHANICAL
FLOOR PLAN

OWG EDITION 01.0

Job No. : 7021
Store : 0945
Date : 2/16/07
Drawn By : RWW
Checked By : RDB

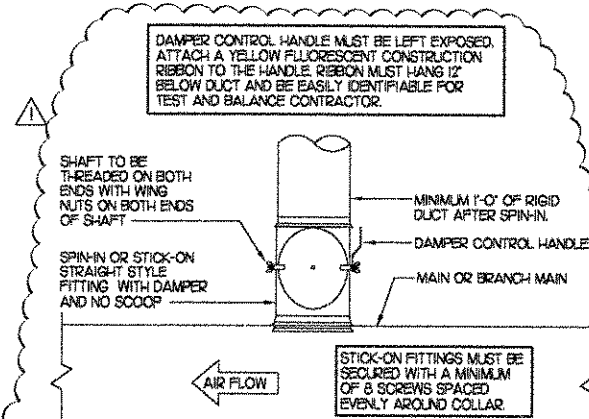
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M-11



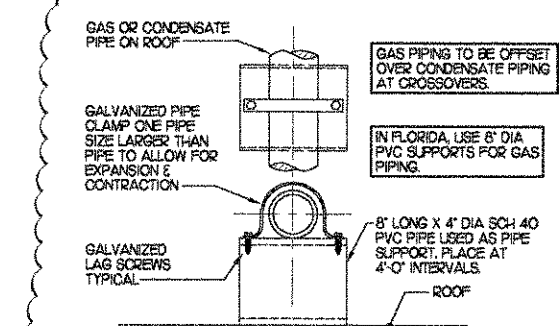
1 AIR DEVICE TAKE-OFF

NO SCALE



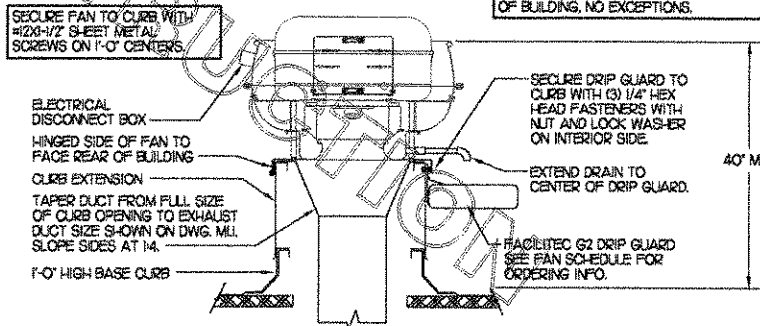
2 SPIN-IN COLLAR

NO SCALE



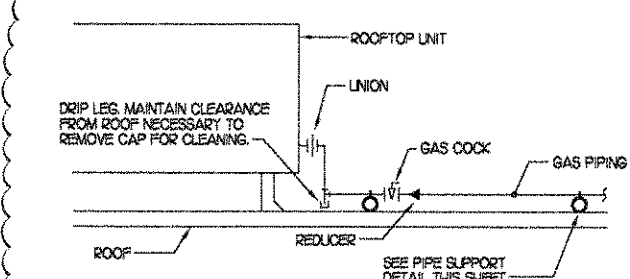
3 PIPE ON ROOF SUPPORT

NO SCALE



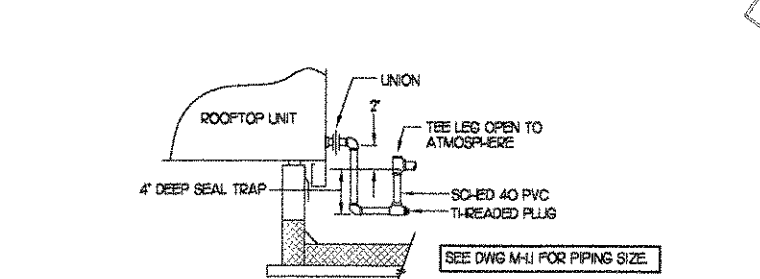
4 KITCHEN HOOD EXHAUST FAN

NO SCALE



5 GAS PIPING AT RTU

NO SCALE



6 CONDENSATE DRAIN PIPING

NO SCALE

EXHAUST FAN SCHEDULE

MARK	CFM	ESP	RPM	TIP SPEED (FPM)	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
EF#4	700	3/4	1229	4,836	1/4	HOOD#3	150W88	LOREN COOK	123.45.67

NOTES: GREASE EXHAUST FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL.

REMARKS: 1) PROVIDE FACTORY 1'-0" BASE CURB AND EXTENSION. 2) PROVIDE FACTORY INSTALLED, PRE-WIRED, NEMA 3 NON-FLUSED DISCONNECT. 3) PROVIDE FACTORY INSTALLED HINGED BASE KIT. 4) PROVIDE FACTORY INSTALLED WIND BAND CLEAN OUT PORT. 5) PROVIDE FACTORY INSTALLED HELICAL SPRING AUTOMATIC BELT TENSIONER. 6) PROVIDE AND INSTALL FACILITEC G2 DRIP GUARD. THE MECHANICAL CONTRACTOR IS TO CONTACT FACILITEC AT 800-284-8273 FOR PURCHASING AND SHIPPING ARRANGEMENTS. 7) CHECK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE FAN/CURB PACKAGE. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CURB PACKAGE DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-0100 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	LOCATION	NECK SIZE	FACE SIZE	CEILING TYPE	REMARKS
A	TITUS MODEL P55-AA ALUMINUM SUPPLY AIR DIFFUSER WITH AIR PATTERN CONTROLLER.	SEE PLAN	SEE PLAN	24X24	LAY-IN	1,8
B	TITUS MODEL PAR-AA STEEL RETURN AIR GRILLE USED AS A SUPPLY DIFFUSER.	KITCHEN	SEE PLAN	24X24	LAY-IN	1,8
C	TITUS MODEL 50" ALUMINUM EGGRATE RETURN AIR GRILLE.	SEE PLAN	24X24	24X24	LAY-IN	1,27
D	TITUS MODEL MCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10X10	15X15	SURFACE	1,3,4,5,7
E	TITUS MODEL PAR STEEL PERFORATED FACE RETURN AIR GRILLE WITH OBD.	RESTROOMS	SEE PLAN	16X16	SURFACE	1,6,8
F	TITUS MODEL 27ZFL DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE. FRONT BLADE PARALLEL TO LONG SIDE.	STORAGE	6X6	8X8	SURFACE	1

REMARKS: 1) STANDARD OFF WHITE FINISH. 2) FIELD FABRICATE 8" DEEP BACKPAN. SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY. DO NOT TAPE BACKPAN TO THE GRILLE. IT MUST BE POSSIBLE TO LIFT BACKPAN OFF GRILLE. 3) PROVIDE MODEL AG-85 NECK DAMPER. 4) SEE DRAWING M11 FOR THROW IN RESTROOMS. 5) FIELD FABRICATE 8" DEEP BACKPAN. SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY. 6) PROVIDE MODEL AG-75 NECK DAMPER ON GRILLES IN RESTROOMS. 7) FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 1M-21. 8) FACTORY INSULATED R-6 BACKPAN.

HOOD SCHEDULE

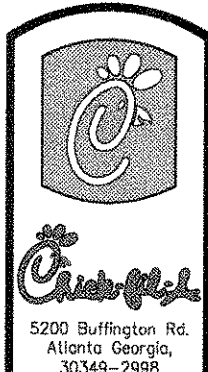
MARK	EXHAUST CFM	SP * TAB PORT	CAPTURE JET CFM & SP.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	MANUFACTURER	MODEL	REMARKS
HOOD#3	700	.07	50 * 0.30'	BACK SHELF	8"X8"	83"	37"	48"	HALTON	KVL	123.45.6.7.8.9

NOTES: DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS 1/8" HEIGHT DOES NOT INCLUDE CLOSURE PANELS.

REMARKS: 1) STAINLESS STEEL CONSTRUCTION. 2) PROVIDE FULL HEIGHT SS CLOSURE PANEL WITH ACCESS PANEL IN FRONT LARGE ENOUGH TO REMOVE CAPTURE JET FAN. 3) PROVIDE FULL HEIGHT SS CLOSURE PANEL WITH ACCESS PANEL IN FRONT LARGE ENOUGH TO SERVICE ANSUL COMPONENTS. 4) PROVIDE PRE-PIPED ANSUL R-102 WET FIRE EXTINGUISHING SYSTEM. 5) ANSUL CABINET TO BE INSTALLED ABOVE HOOD BEHIND CLOSURE PANEL. 6) PROVIDE 6" BACK SPACER AND 3" RIGHT SIDE SPACER. 7) PROVIDE 3X3" HORIZONTAL AND VERTICAL TRIM ANGLE FOR RIGHT SIDE OF HOOD TO FINISH OFF GAP AT WALL. 8) UNDERWRITERS LABORATORY ILL LISTED PER LATEST 710 STANDARD. 9) PROVIDE TOP PLENUM CAPTURE JET FAN SPEED CONTROLLER AND COLLAR.

MECHANICAL SPECIFICATIONS

- I. DUCTWORK, INSULATION & INSTALLATION (SEE DWG. M11) FOR GREASE DUCT
 - A. ACCEPTABLE MANUFACTURERS OF INSULATION ARE MANVILLE, OWENS CORNING OR KNALF.
 - B. ALL DUCTWORK SHALL BE SHEET METAL.
 - C. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
 - D. CONSTRUCTION OF DUCTWORK SHALL MEET SMACNA 1" W.C. PRESSURE CLASS STANDARD AND RECOMMENDATIONS. SMACNA SHALL BE FOLLOWED WITH RESPECT TO GAGE THICKNESS, JOINTS, REINFORCING, CONSTRUCTION, INSTALLATION AND SUPPORT FOR PRESSURE CLASS STATED. ALL TRANSVERSE JOINTS IN RECTANGULAR AND ROUND DUCT SHALL BE SEALED PER SMACNA SEAL CLASS C WITH UL DUCT MASTIC SEALANT APPROVED FOR INTENDED USE. STANDARD DUCT TAPE IS NOT ACCEPTABLE.
 - E. ACCEPTABLE MANUFACTURERS OF INSULATION ARE MANVILLE, OWENS ALL DUCT INSULATION SHALL MEET MINIMUM R-VALUE REQUIRED BY ASHRAE 90.1 LATEST EDITION. ALL DUCT WRAP SHALL BE MINIMUM 2" THICK, 3/4 PCF AND 5.6 R-VALUE INSTALLED WITH EITHER A VAPOR BARRIER WITH MAXIMUM PERMEANCE 0.05 OR A MINIMUM 2 MIL ALUMINUM REINFORCED FOLKRAFT FACING.
 - F. ALL DUCT DROPS FROM THE ROOFTOP UNITS SHALL BE EXTERNALLY INSULATED.
 - G. SUPPLY AND RETURN AIR DUCTWORK SHALL BE EXTERNALLY INSULATED.
- H. TRUNK DUCTS SHALL BE ISOLATED FROM UNIT VIBRATION WITH THE USE OF NPPA AND ULL APPROVED FLEXIBLE CONNECTORS INSTALLED AT THE TOP OF BOTH SUPPLY AND RETURN DROPS.
- I. INSULATED FLEXIBLE DUCT MAY BE UTILIZED FOR RUNOUTS TO GRILLES AND DIFFUSERS ONLY IN THE HORIZONTAL POSITION AND IN MAXIMUM LENGTHS OF 4'-0". NO EXCEPTIONS. SEE TAKE-OFF DETAIL ON DRAWING M21.
- J. CONSTRUCTION OF FLEXIBLE DUCTWORK SHALL INCLUDE SPIRAL METAL HELIX BONDED TO A POLYESTER CORE, FIBERGLASS INSULATION WITH POLYETHYLENE OR MYLAR VAPOR BARRIER. ALL COMPONENTS SHALL HAVE APPROPRIATE UL APPROVAL AND SHALL BE EQUIVALENT TO FLEXMASTER TYPE 3M.
- K. FLEXIBLE DUCT SHALL BE INSTALLED USING DRAWBANDS AND FOIL TAPE ON THE INNER CORE AND OUTER INSULATION.
- L. SINGLE THICKNESS TURNING VANES SHALL BE INSTALLED AT 90 DEGREE TURNS IN SUPPLY DUCTWORK WHERE ANY ONE DIMENSION IS GREATER THAN 12".
- M. RADIISED ELBOWS MAY BE SUBSTITUTED FOR 90 DEGREE ELBOWS AT THE DISCRETION OF THE CONTRACTOR. CENTERLINE RADIUS EQUAL TO 3W/2 PER FIGURE NO. 2-2 IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- N. EXTERNAL INSULATION ON BOTTOM OF DUCTS 24" OR WIDER SHALL BE SUPPORTED WITH STICK PINS ON 18" CENTERS. STICK PIN WASHERS SHALL BE COVERED WITH DUCT TAPE OR MASTIC.
- O. CONTRACTOR SHALL PROVIDE FARR 30/30 2" OR EQUAL THROW AWAY TYPE FILTERS. A CLEAN SET SHALL BE PROVIDED PRIOR TO UNIT STARTUP AND AGAIN PRIOR TO OPENING.



Revisions:

Mark	Date	By
#1	03/20/07	OWNER CHANGES
#2	04/18/07	OWNER CHANGES

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SHEET TITLE
 HVAC DETAILS
 & SCHEDULES

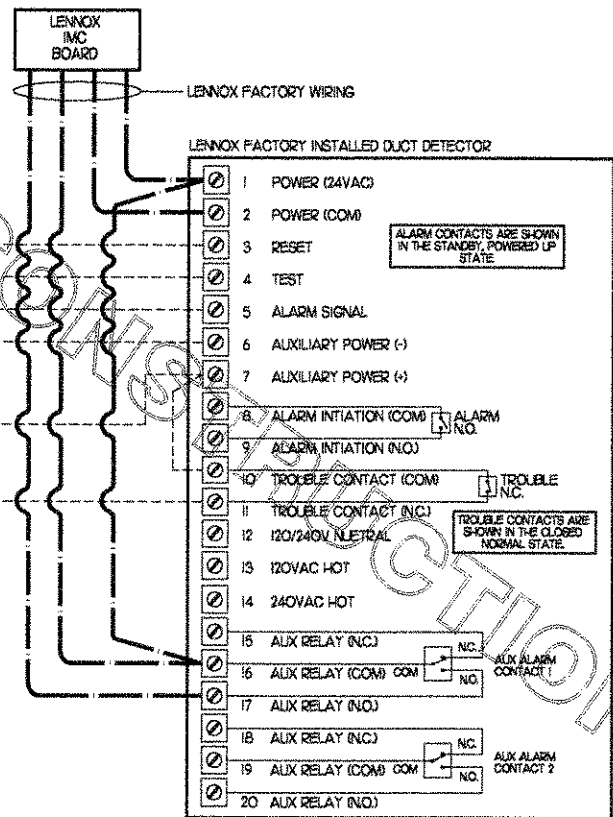
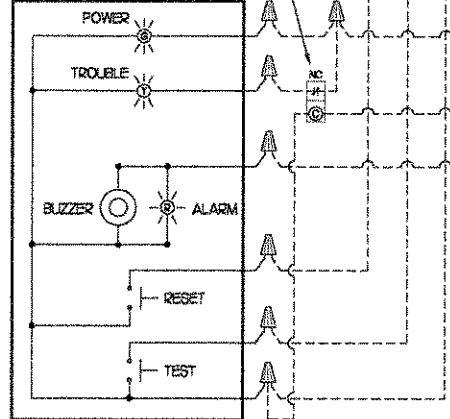
DWG EDITION 01.0
 Job No. : 7021
 Store : 0945
 Date : 2/16/07
 Drawn By : RWW
 Checked By : RDB

M-21

LEGEND	
---	18 AWG WIRING BY MECH CONTRACTOR
---	FACTORY ANNUNCIATOR DETECTOR WIRING
---	FACTORY LENNOX WIRING

RELAY BY SUNCOAST, INSTALLED BY MC ABOVE CEILING ON DIN RAIL WITH ENGRAVED PLASTIC LABEL INDICATING RTU SERVED.

SUNCOAST CONTROLS ANNUNCIATOR

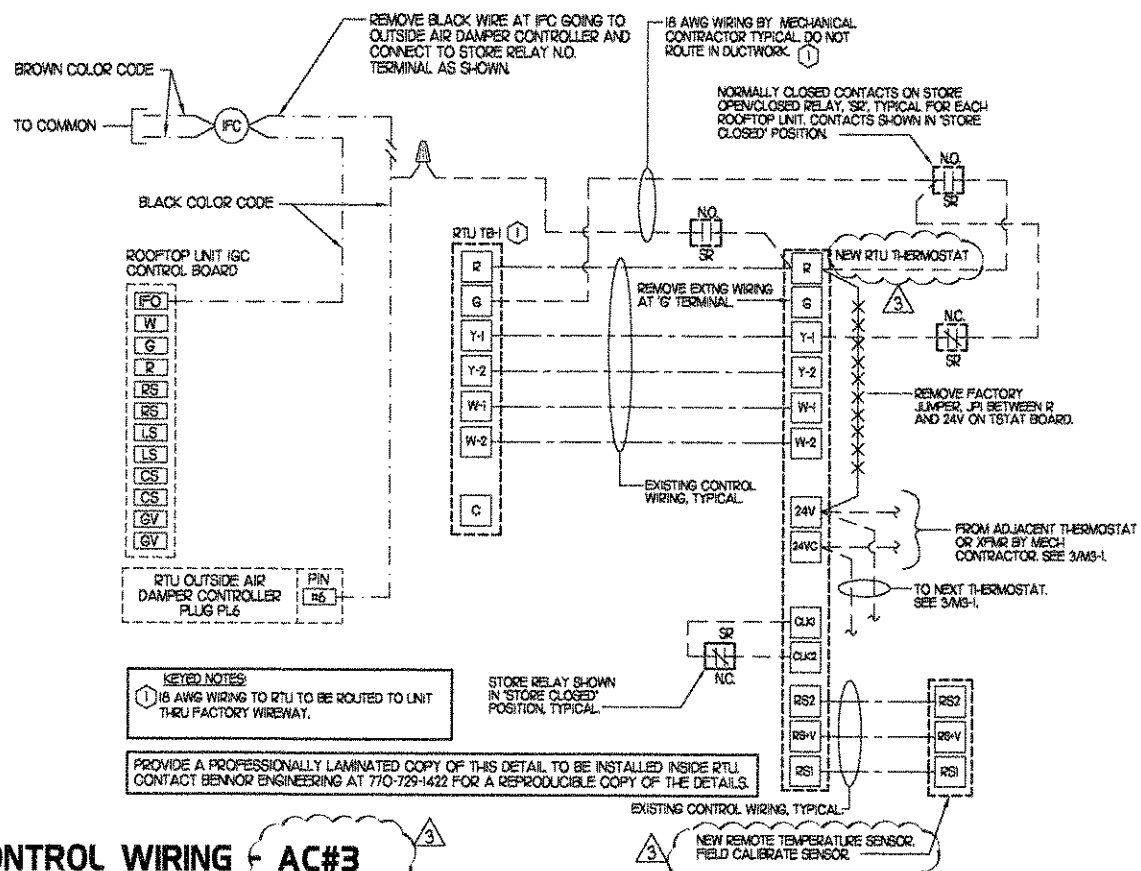


SEQUENCE OF OPERATION

- ① STORE SWITCH IN 'STORE OPEN' POSITION
 - A. THERMOSTAT SHALL ENTER OCCUPIED MODE.
 - B. ROOFTOP UNIT INDOOR FANS SHALL RUN CONTINUOUSLY.
 - C. ROOFTOP UNIT OUTSIDE AIR DAMPERS SHALL OPEN.
- ② STORE SWITCH IN 'STORE CLOSED' POSITION
 - A. THERMOSTATS AT S-HALL ENTER UN-OCCUPIED MODE.
 - B. ROOFTOP UNIT INDOOR FANS SHALL RUN ONLY ON CALL FOR COOLING OR HEATING.
 - C. ROOFTOP UNIT OUTSIDE AIR DAMPERS SHALL CLOSE.

- NOTES
- ① THIS DETAIL SHOWS THE CONTROL WIRING FOR EXISTING CARRIER ROOFTOP UNITS.
 - ② ROUTE ALL WIRING PARALLEL TO JOISTS AND SECURE AT 24" INTERVALS USING WIRE TIES.
 - ③ NEW THERMOSTAT TO REPLACE EXISTING THERMOSTAT IN EXISTING ECC-100 TEMPERATURE CONTROL CABINET IN KITCHEN.
 - ④ DO NOT ROUTE WIRING THROUGH DUCTWORK. MAKE PENETRATIONS IN THE UNIT BASEPANEL USING CARRIER LOW VOLTAGE OPTION KIT.
 - ⑤ MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
 - ⑥ SET ALL THERMOSTATS FOR AUTO-CHANGEOVER.
 - ⑦ PLASTIC ENGRAVED LABEL AT ALL NEW THERMOSTATS AND SENSORS WITH 1/4" HIGH BLUE LETTERING ON WHITE BACKGROUND, I.E. 'ACH2 REMOTE SENSOR' OR 'ACH2 THERMOSTAT'. PLACE LABELS ON WALL ADJACENT TO DEVICE. DO NOT APPLY DIRECTLY TO DEVICE.
 - ⑧ PROVIDE ALL SWITCHES, RELAYS AND CONTACTORS WITH PLASTIC ENGRAVED LABELS WITH WHITE LETTERING ON A BLACK BACKGROUND.
 - ⑨ USE RIVETS TO SECURE LABELS.
 - ⑩ ALL DEVICES, CONTACTORS, RELAYS, ETC., SHOWN IN THIS DETAIL ARE PROVIDED INSTALLED AND WIRED BY MECHANICAL CONTRACTOR.
 - ⑪ NEW THERMOSTATS SHALL BE ROBERT SHAW MODEL 300-203 MULTI-STAGE DIGITAL NON-PROGRAMMABLE (NO SUBSTITUTES) WITH REMOTE MOUNTED WALL SENSOR.

LEGEND	
ECC-100	EXISTING AVIATION ELECTRONICS ECC-100 TEMPERATURE CONTROL PANEL
SR	STORE SWITCH RELAY, ENERGIZED BY PUTTING STORE SWITCH IN 'STORE OPEN' POSITION
IFC	ROOFTOP UNIT INDOOR FAN CONTACTOR
---	EXISTING CONTROL WIRING
---	RTU FACTORY WIRING
---	NEW CONTROL WIRING



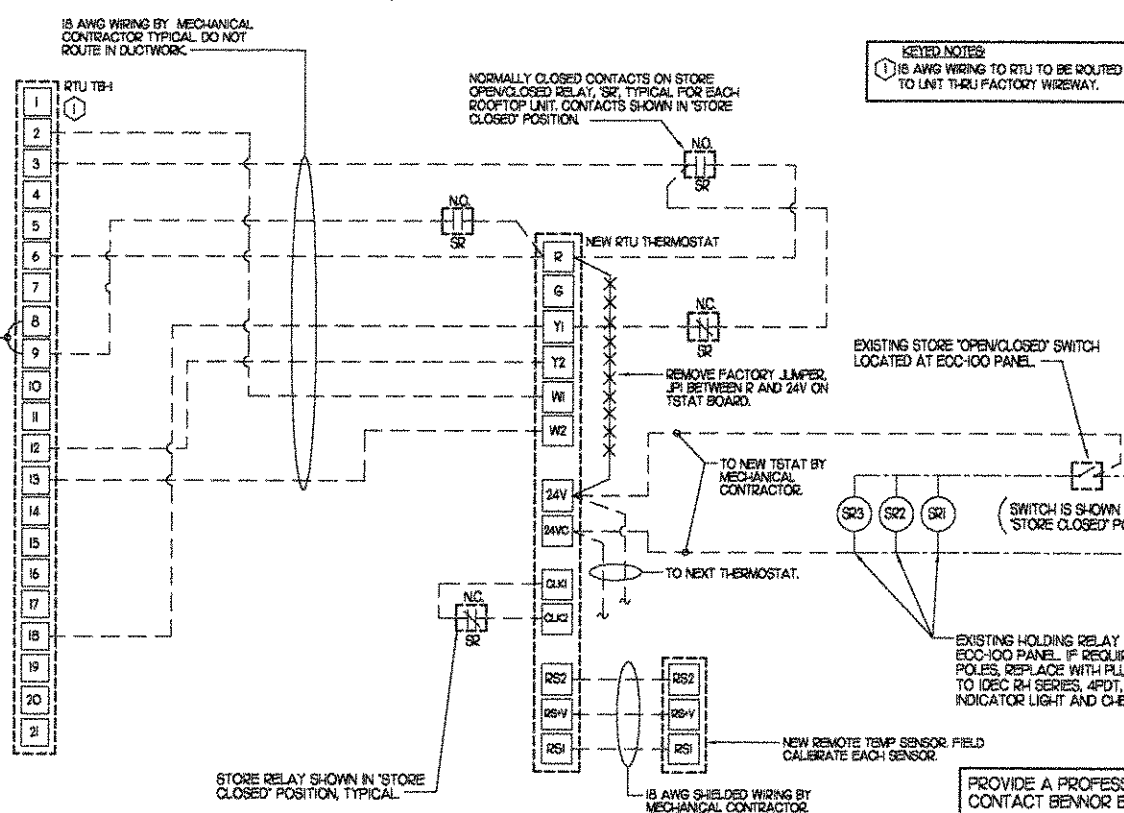
- KEYED NOTES
- ① 18 AWG WIRING TO RTU TO BE ROUTED TO UNIT THRU FACTORY WIREWAY.
- PROVIDE A PROFESSIONALLY LAMINATED COPY OF THIS DETAIL TO BE INSTALLED INSIDE RTU CONTACT BANNER ENGINEERING AT 770-729-1422 FOR A REPRODUCIBLE COPY OF THE DETAILS.

1 LENNOX SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM

NO SCALE

2 CARRIER ROOFTOP UNIT CONTROL WIRING - AC#3

NO SCALE



LEGEND	
ECC-100	EXISTING AVIATION ELECTRONICS ECC-100 TEMPERATURE CONTROL PANEL
SR	STORE SWITCH RELAY, ENERGIZED BY PUTTING STORE SWITCH IN 'STORE OPEN' POSITION
---	18 GA. WIRING BY MECH CONTRACTOR
---	EXISTING ECC-100 PANEL WIRING

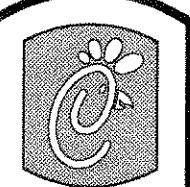
- NOTES
- ① THIS DETAIL SHOWS THE CONTROL WIRING FOR EXISTING LENNOX ROOFTOP UNIT.
 - ② ROUTE ALL WIRING PARALLEL TO JOISTS AND SECURE AT 24" INTERVALS USING WIRE TIES.
 - ③ DO NOT ROUTE WIRING THROUGH DUCTWORK OR MAKE PENETRATIONS IN THE UNIT BASEPANEL. ROUTE THROUGH FACTORY WIREWAY IN THE COMPRESSOR COMPARTMENT.
 - ④ EXCEPT AT KITCHEN UNIT, CHANGE IMC BOARD ECTO PARAMETER 3.01 (2.01 FOR LCA UNITS) FROM THE DEFAULT SETTING TO 2500. THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON 'OCCUPIED' START. THE O.A. DAMPER AT KITCHEN WILL REMAIN CLOSED FOR THE FIRST 60 MINUTES AFTER 'OCCUPIED' START.
 - ⑤ MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
 - ⑥ RETURN AIR LIMITING ECTO PARAMETERS TO BE FIELD SET AS FOLLOWS: ECTO 5.05 VALVE SET TO 159; ECTO 5.07 VALVE SET TO 159.
 - ⑦ SET ALL THERMOSTATS FOR AUTO-CHANGEOVER.
 - ⑧ NEW THERMOSTAT FOR ACH1 AND ACH2 SHALL BE ROBERT SHAW MODEL 300-203 MULTI-STAGE DIGITAL NON-PROGRAMMABLE (NO SUBSTITUTES) WITH REMOTE MOUNTED WALL SENSOR.
 - ⑨ NEW THERMOSTAT TO REPLACE EXISTING THERMOSTAT IN EXISTING ECC-100 TEMPERATURE CONTROL CABINET IN KITCHEN.
 - ⑩ PLASTIC ENGRAVED LABEL AT ALL NEW THERMOSTATS AND SENSORS WITH 1/4" HIGH BLUE LETTERING ON WHITE BACKGROUND, I.E. 'ACH2 REMOTE SENSOR' OR 'ACH2 THERMOSTAT'. PLACE LABELS ON WALL ADJACENT TO DEVICE. DO NOT APPLY DIRECTLY TO DEVICE.
 - ⑪ PROVIDE ALL SWITCHES, RELAYS AND CONTACTORS WITH PLASTIC ENGRAVED LABELS WITH WHITE LETTERING ON A BLACK BACKGROUND.
 - ⑫ USE RIVETS TO SECURE LABELS.
 - ⑬ ALL DEVICES, CONTACTORS, RELAYS, THERMOSTATS ETC., SHOWN IN THIS DETAIL ARE PROVIDED INSTALLED AND WIRED BY MECHANICAL CONTRACTOR.

SEQUENCE OF OPERATION

- ① STORE SWITCH IN 'STORE OPEN' POSITION
 - A. THERMOSTAT SHALL ENTER OCCUPIED MODE.
 - B. ROOFTOP UNIT INDOOR FANS SHALL RUN CONTINUOUSLY.
 - C. ROOFTOP UNIT OUTSIDE AIR DAMPERS SHALL OPEN.
- ② STORE SWITCH IN 'STORE CLOSED' POSITION
 - A. THERMOSTATS AT S-HALL ENTER UN-OCCUPIED MODE.
 - B. ROOFTOP UNIT INDOOR FANS SHALL RUN ONLY ON CALL FOR COOLING OR HEATING.
 - C. ROOFTOP UNIT OUTSIDE AIR DAMPERS SHALL CLOSE.

3 LENNOX ROOFTOP UNIT CONTROL WIRING - AC#1 AND AC#2

NO SCALE



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
#1 03/20/07
OWNER CHANGES

Mark Date By
#3 05/14/07
OWNER CHANGES

Mark Date By
#

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29206

SHEET TITLE
TEMPERATURE
AND FAN
CONTROLS

DWG EDITION 01.0

Job No. : 7021

Store : 0945

Date : 2/16/07

Drawn By : RWW

Checked By : RDB

Sheet

M-31

KEY NOTES

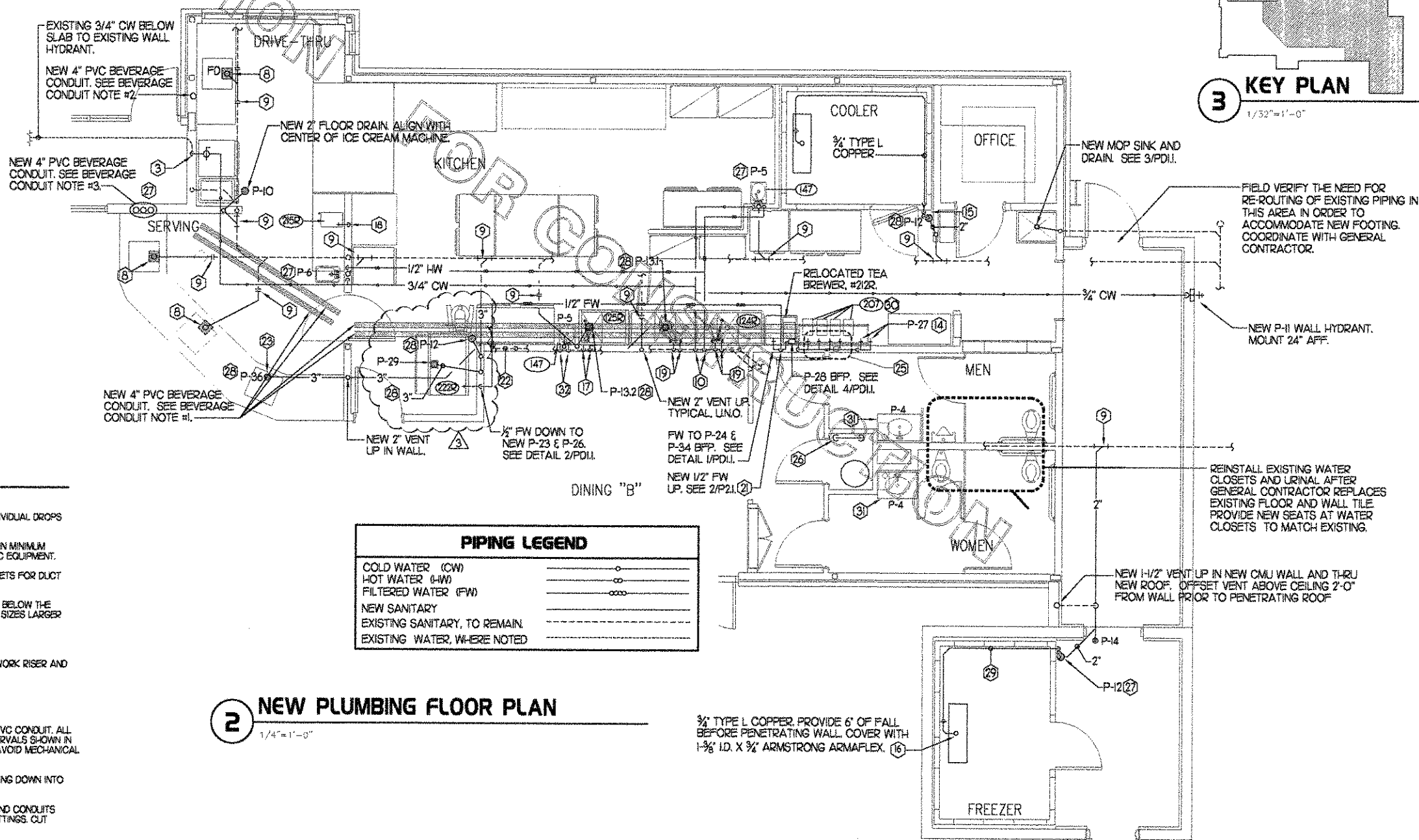
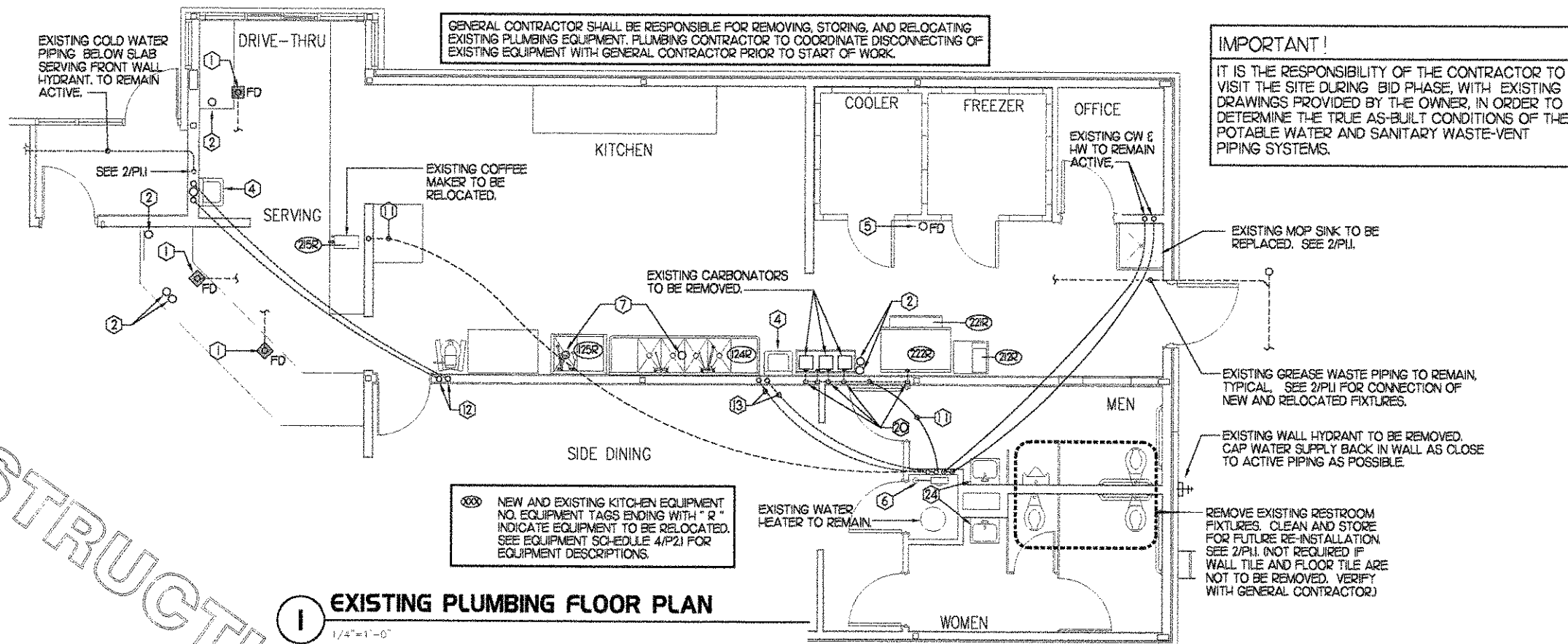
- EXISTING FLOOR DRAIN TO BE RELOCATED. EXTEND PIPING AS NEEDED TO ACCOMMODATE NEW FIXTURE LAYOUT AT FRONT COUNTER. SEE 2/P.I.
- EXISTING 4" PVC BEVERAGE CONDUIT STUBS UP FROM BELOW FLOOR. CAP EACH END OF EACH CONDUIT BELOW FLOOR AND ABANDON IN PLACE.
- CONNECT EXISTING 3/4" BELOW SLAB WATER LINE FROM EXISTING WALL HYDRANT TO NEW 3/4" WATER SUPPLY DROP IN WALL. PROVIDE GATE VALVE ABOVE CEILING.
- EXISTING HAND SINK TO BE REMOVED. CAP WATER AND SANITARY IN WALL AND ABANDON IN PLACE. DWV VENT PIPING IN WALL TO REMAIN ACTIVE.
- EXISTING FLOOR DRAIN AND TRAP TO BE REMOVED. CAP BELOW SLAB A MINIMUM OF 6" FROM ACTIVE LINE OR REPLACE WITH FLOOR CLEANOUT.
- EXISTING SCALEMASTER WATER FILTRATION UNIT ON WALL. TO REMAIN IN SERVICE.
- EXISTING HUB DRAIN TO BE REMOVED. EXTEND DRAIN PIPE TO NEW FLOOR SINK SHOW ON 2/P.I.
- RELOCATED FLOOR DRAIN. EXTEND OR SHORTEN EXISTING TRAP ARM TO ACCOMMODATE NEW DRAIN LOCATION. FIELD VERIFY NEW LOCATIONS OF NEARBY WALLS AND EQUIPMENT PRIOR TO CUTTING SLAB. SEE CLAYTON FIXTURE CABINETS SHOP DRAWINGS FOR FLOOR DRAINS LOCATED BENEATH NEW DRINK TOWER ICE BINS.
- CONNECT NEW WATER OR WASTE PIPING TO EXISTING WATER OR WASTE PIPE SYSTEM. VERIFY SIZE AND LOCATION OF EXISTING PIPING IN THE FIELD.
- NEW 1/2" HW & 3/4" CW UP FROM EXISTING KITCHEN WET WALL PIPING. ROUTE ABOVE CEILING.
- EXISTING BELOW SLAB 1/2" FW PIPING TO REMAIN ACTIVE. SEE 2/P.I. FOR TREATMENT NEW AND EXISTING PIPING AT COFFEE MAKER AND IN WALL BEHIND DRINK SYSTEM.
- EXISTING BELOW GRADE 1/2" HOT & 1/2" COLD WATER PIPING FROM MAIN WET WALL SERVING EXISTING HAND SINK. REMOVE TO BELOW SLAB, CAP AND ABANDON IN PLACE. REMOVE PIPING IN WET WALL BACK TO WITHIN 6" OF ACTIVE SECTION BEHIND RELOCATED PREP SINK AND CAP.
- EXISTING 1" CW & HW SERVING WET WALL TO REMAIN REMAIN ACTIVE.
- 1/2" CPVC FW TO WALL MOUNTED P-27 STOP SERVING NON CARBONATED BEVERAGE SYSTEM.
- TURN 3/4" CONDENSATE PIPING OUT OF COOLER AND DOWN INTO FUNNEL DRAIN P-12. INSTALL PIPING TIGHT TO WALL SO AS NOT TO INTERFERE WITH COOLER SHELVES. SECURE PIPING TO WALL WITH RUBBER INSULATED PIPE CLAMPS TO PREVENT GALVANIC CORROSION. SEAL ALL PENETRATIONS IN WALLS WITH PERMAGUM CORD. PROVIDE UNION FITTINGS IMMEDIATELY DOWNSTREAM OF CONNECTION TO EVAPORATORS. PROVIDE 2" DEEP TRAP, WITH OPEN TEE ON OUTLET BEFORE TERMINATING AT FUNNEL DRAIN P-12.
- APPLY RAYCHEM XL-TRACE, MODEL SXL-1, SELF REGULATING HEATING CABLE. USE END SEAL KIT FROM MFR.
- NEW 1/2" HW & CW PIPING TO NEW P-6 FALCET AT RELOCATED PREP SINK #125R. CONNECT NEW PIPING TO EXISTING WITHIN WET WALL. NEW FALCET TO BE PROVIDED BY OWNER.
- INSTALL NEW P-24 STOP AND P-34 BFP AT EXISTING COFFEE MAKER. SEE DETAIL 1/P.D.I. RELOCATE STUB AS NEEDED TO ACCOMMODATE LOCATION OF COFFEE MAKER. VERIFY LOCATION OF COFFEE MAKER WITH GC.
- NEW 1/2" HW & CW TO NEW FALCETS AT RELOCATED POT SINK. CONNECT NEW PIPING TO EXISTING WITHIN WET WALL. NEW FALCETS TO BE PROVIDED BY OWNER.
- EXISTING FW SUPPLY SERVING ICE MAKER, CARBONATORS AND TEA BREWERS. SEE DETAIL 4/P.O.U. FOR TREATMENT OF NEW AND EXISTING PIPING IN THIS AREA.
- NEW 1/2" FW UP IN WALL BEHIND DRINK SYSTEM. SEE DETAIL 4/P.O.U. FOR TREATMENT OF NEW AND EXISTING FILTERED WATER PIPING IN THIS AREA.
- REROUTE 1/2" COPPER CONDENSATE PIPING WITHIN KITCHEN WET WALL TO NEW FLOOR SINK AT RELOCATED PREP SINK. TERMINATE AT HUB DRAIN 3" ABOVE RIM.
- NEW FLOOR DRAIN BELOW NEW ICE BIN. FIELD VERIFY NEW LOCATIONS OF NEARBY WALLS AND EQUIPMENT PRIOR TO CUTTING SLAB. SEE CLAYTON FIXTURE CABINETS SHOP DRAWINGS FOR FLOOR DRAINS LOCATED BENEATH NEW DRINK TOWER ICE BINS.
- EXISTING WALL HUNG LAVATORIES TO BE REPLACED. SEE 2/P.I. EXISTING WALL MOUNTED INSTANTANEOUS WATER HEATERS, IF PRESENT, TO BE REMOVED AND REUSED.
- NEW 3/4" FW FROM BFP P-28 SERVING NEW CARBONATORS WITH 1/2" BRANCH PIPING TO EACH NEW CARBONATOR WITH A P-27 STOP. SEE 2/P.I.
- EXTEND WATER PIPING FROM MAIN SHUTOFF TO ABOVE CEILING AND BACK DOWN TO TAKEOFFS FOR EXISTING WATER HEATER, SCALEMASTER AND RESTROOMS AS SHOWN ON 5/P.D.I.
- NEW FIXTURE WITH DRAIN AND WATER SUPPLY. SEE RISER DIAGRAMS AND FIXTURE CONNECTION SCHEDULE ON SHEET P-21 FOR SIZES.
- NEW FIXTURE WITH DRAIN. SEE RISER DIAGRAMS & FIXTURE CONNECTION SCHEDULE ON SHEET P-21 FOR SIZES.
- ROUTE 3/4" CONDENSATE PIPING OUT OF FREEZER. INSTALL PIPING TIGHT TO WALL SO AS NOT TO INTERFERE WITH FREEZER SHELVES. SECURE PIPING TO WALL WITH RUBBER INSULATED PIPE CLAMPS TO PREVENT GALVANIC CORROSION. SEAL ALL PENETRATIONS IN WALLS WITH PERMAGUM CORD. PROVIDE UNION FITTINGS IMMEDIATELY DOWNSTREAM OF CONNECTION TO EVAPORATOR. PROVIDE 2" DEEP TRAP IN DRAIN AT FUNNEL DRAIN P-12.
- NEW CARBONATOR #207, TYPICAL OF FOUR.
- PROVIDE AND INSTALL NEW P-4 FALCETS, TRAPS AND TRIM AT NEW VANITY TOPS. RECONNECT TO EXISTING WATER AND WASTE PIPING. REMOVE EXISTING INSTANTANEOUS WATER HEATER. RELOCATE AS NEEDED TO ACCOMMODATE NEW VANITY. NEW VANITY AND TOPS PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR.
- NEW 2" SANITARY DRAIN UP WITH NEW 1/2" HW & 3/4" CW FOR RELOCATED HAND SINK. TYPICAL ALSO AT NEW P-5 & P-6 HAND SINKS. SEE RISER DIAGRAMS ON SHEET P-21.

4. SHEET NOTES

- SEE EXISTING PLUMBING PLANS FOR EXISTING SANITARY AND WATER PIPING LAYOUT.
- RUN ALL OVER-HEAD PIPING ABOVE THE CEILING IN CLEAR VIEW. DO NOT DISTRIBUTE PIPING WITHIN WALLS. MAKE INDIVIDUAL DROPS FROM ABOVE CEILING TO EACH FIXTURE UNLESS SHOWN OTHERWISE.
- COORDINATE NEW VENT TERMINAL LOCATIONS WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM CLEARANCE REQUIRED BY CODE. OFFSET AND REROUTE EXISTING VENTS AS NEEDED TO ACCOMMODATE NEW HVAC EQUIPMENT.
- HOLD ALL PIPING ABOVE THE CEILING TIGHT TO STRUCTURE. DUCT LOCATIONS TAKE PRIORITY. SEE DRAWING "M" SHEETS FOR DUCT LAYOUT. COORDINATE CONFLICTS WITH GC.
- COORDINATE INSTALLATION OF SANITARY PIPING WITH FOOTINGS IN THE FIELD. PIPING SHALL BE ROUTED ABOVE OR BELOW THE FOOTING AND NOT THRU THE FOOTING. ANY PENETRATIONS IN THE FOUNDATION WALL SHALL BE SLEEVED TWO PIPE SIZES LARGER THAN THE PENETRATION.
- SEE RISER DIAGRAMS ON SHEET P-21 FOR PIPE SIZES NOT SHOWN ON THIS SHEET.
- EXISTING EXTERIOR CLEANOUTS LOCATED WITHIN EXPANSION AREA SHALL REMAIN ACTIVE. EXTEND CLEANOUT, REWORK RISER AND PROVIDE NEW COVER AND PLUG AS NEEDED SO THAT COVER IS FLUSH WITH NEW FLOOR.

5. BEVERAGE CONDUIT NOTES

- ROUTE BEVERAGE SYSTEM PIPING OVERHEAD FROM THE BEVERAGE RACK TO DRINK TOWERS IN TWO (2) 4" SCH 40 PVC CONDUIT. ALL CONDUIT SHALL BE HELD TIGHT TO STRUCTURE AND SUPPORTED WITH THREADED ROD AND CLEVIS HANGERS AT INTERVALS SHOWN IN SPECIFICATIONS FOR HORIZONTAL OVER-HEAD PIPING. COORDINATE ROUTING WITH THE GENERAL CONTRACTOR TO AVOID MECHANICAL AND ELECTRICAL SYSTEMS.
- PROVIDE A 4" PVC SCH 40 CONDUIT DOWN IN WALL BEHIND DRIVE-THRU DRINK TOWER EXTENDING FROM ABOVE CEILING DOWN INTO CABINETS BEHIND DRINK TOWER.
- PROVIDE THREE (3) 4" PVC SCH 40 CONDUITS DOWN IN CHASE WALL ADJACENT TO END OF SERVING COUNTER. EXTEND CONDUITS FROM ABOVE CEILING DOWN INTO CABINETS FOR MAIN SERVING AREA DRINK TOWERS WITH 1/8TH STREET BEND FITTINGS. CUT FITTINGS FLUSH WITH FINISHED WALL.



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Revisions:
Mark Date By
5/14/07
OWNER CHANGES

Mark Date By
Mark Date By

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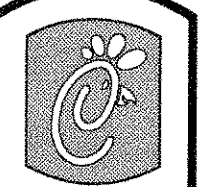
STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
PLUMBING
FLOOR PLANS

DWG EDITION 01.0

Job No. : 7021
Store : 0945
Date : 2/16/07
Drawn By : RWW
Checked By : RDB
Sheet

P-11



Crabtree

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark Date By

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Seal

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SHEET TITLE
**PLUMBING
ISO PLANS**

DWG EDITION 01.0

Job No. : 7021

Store : 0945

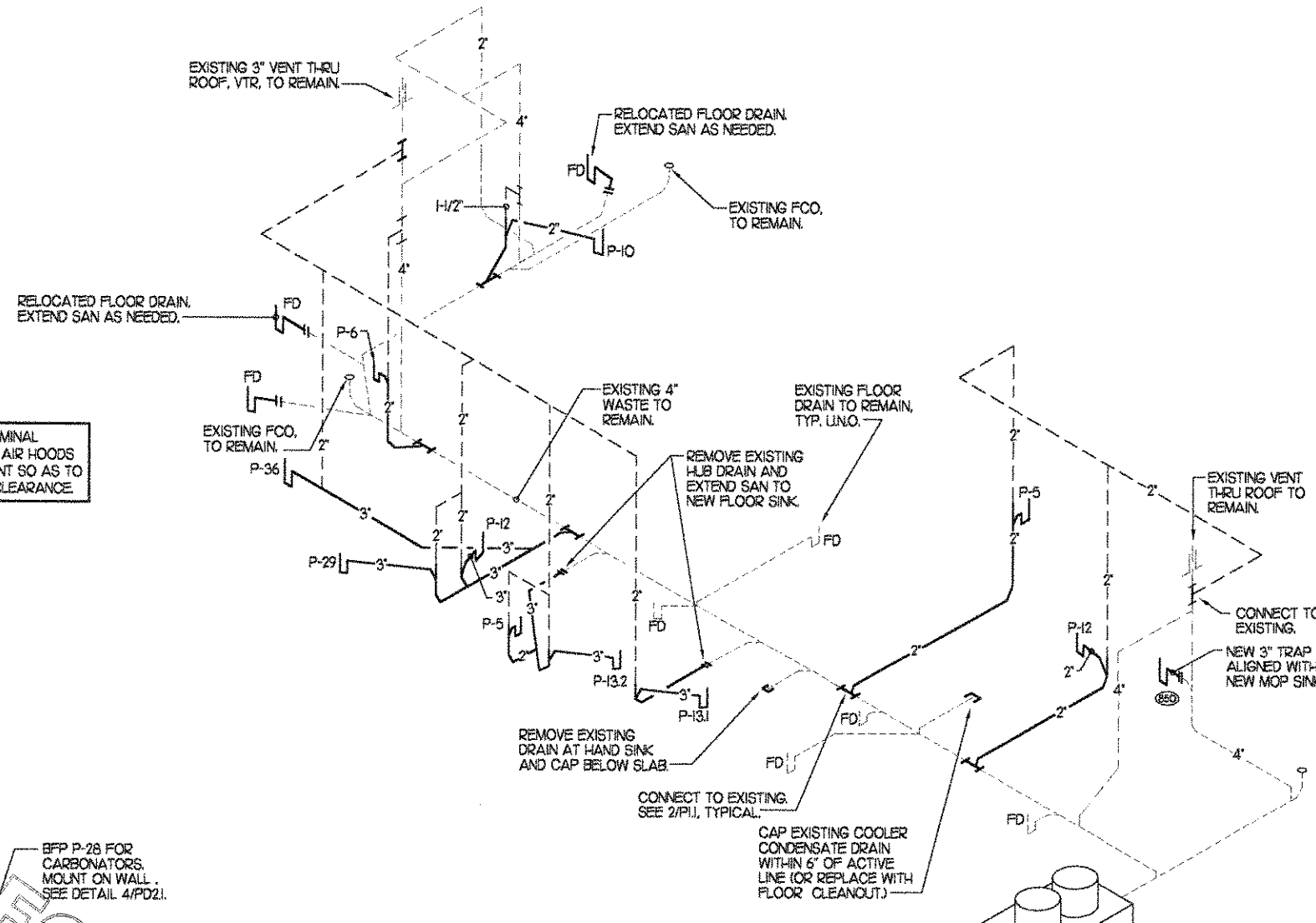
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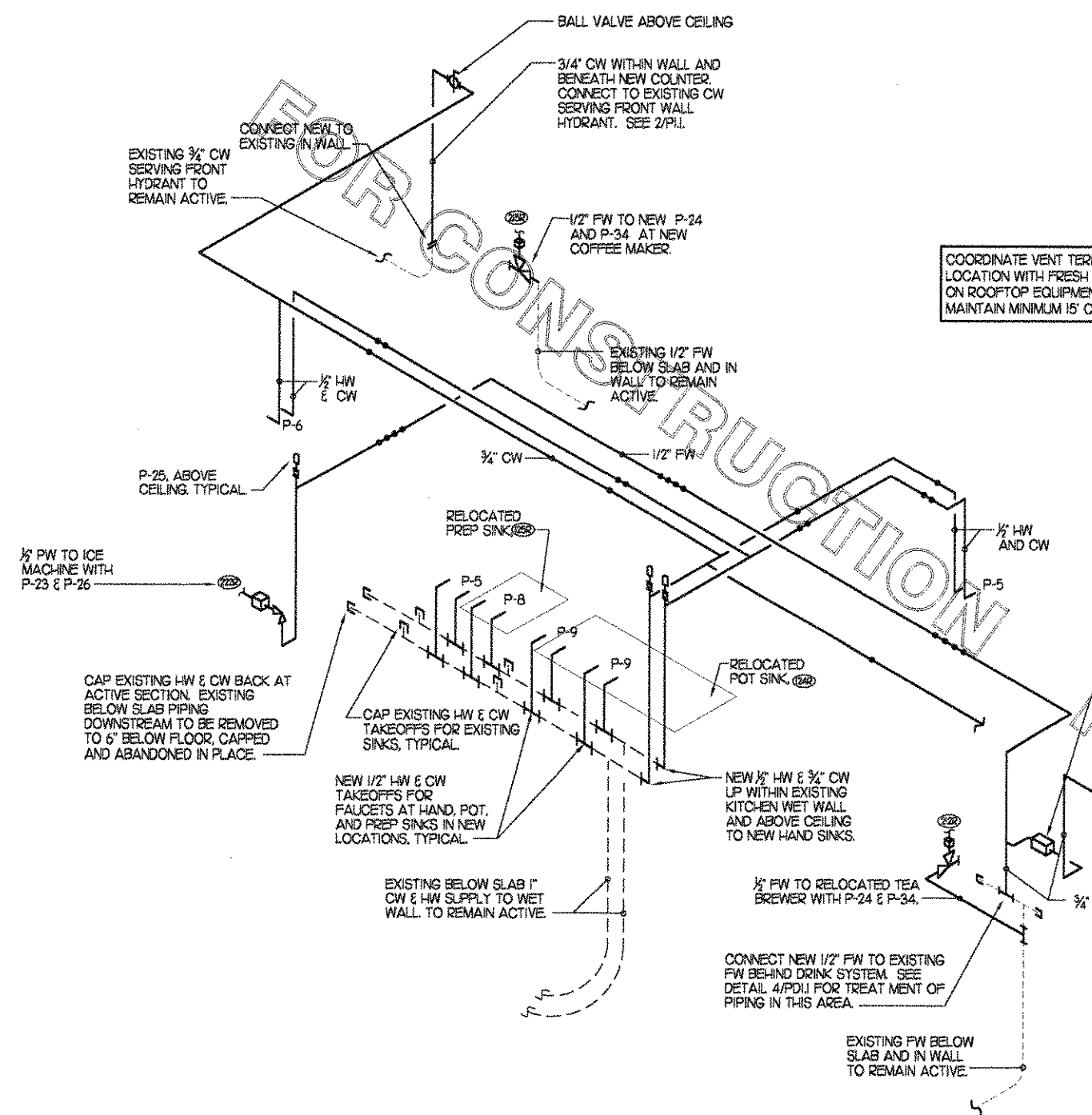
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Sheet

P-21



1 WASTE RISER DIAGRAM
NO SCALE



2 WATER RISER DIAGRAM
NO SCALE

4. KITCHEN EQUIPMENT SCHEDULE

TAG	DESCRIPTION	NOTES	F.W.	C.W.	H.W.	WASTE	ROUGH-IN
242	RELOCATED POT SINK (NEW FAUCETS P-9)	(1) (2)	X	1/2"	1/2"		SEE SHEET K-21
254	RELOCATED PREP SINK (NEW FAUCET P-8)	(1) (2)	X	1/2"	1/2"		SEE SHEET K-21
207	NEW CARBONATOR		1/2"	X	X	X	P-23 107' APP
208R	RELOCATED CO2 TANK		X	X	X	X	SEE NOTE ON P-11
232	RELOCATED TEA BREWER	(3)	1/2"	X	X	X	P-24 & P-34 48' APP
252	RELOCATED COFFEE MAKER	(3)	1/2"	X	X	X	P-24 & P-34 48' APP
221R	RELOCATED ICE BIN	(4)	X	X	X	INDIRECT	X
222R	RELOCATED ICE MAKER	(4)	1/2"	X	X	INDIRECT	P-23 80' & 104' APP
222C	NEW MOP SINK	(5) (6)	X	1/2"	1/2"		SEE 2/P11 36" APP

- NOTES:
1. PROVIDE NEW MCGUIRE 175 SUPPLIES WITH WHEEL HANDLE STOPS.
 2. INDIRECT WASTE TO NEW FLOOR SINK.
 3. SEE DETAIL 1/P11.
 4. SEE DETAIL 3/P11.
 5. EXISTING FAUCET TO REMAIN. REMOVE AND RE-PIPE AS NEEDED TO ACCOMMODATE INSTALLATION OF NEW BACKSPASH PANELS. INSTALLATION OF BACKSPASH PANELS BY GENERAL CONTRACTOR.
 6. SEE DETAIL 2/P11 FOR DRAIN CONNECTION.

5. FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	F.W.	C.W.	H.W.	WASTE
P-4	RESTROOM LAVATORY - WALL HUNG	X	1/2"	1/2"	H-1/2"
P-5	KITCHEN HAND SINK - WALL HUNG	X	1/2"	1/2"	H-1/2"
P-6	KITCHEN HAND SINK - COUNTERTOP	X	1/2"	1/2"	H-1/2"
P-8	NEW FAUCET AT RELOCATED PREP SINK	X	1/2"	1/2"	EXISTING
P-9	NEW FAUCET AT RELOCATED POT SINK	X	1/2"	1/2"	EXISTING
P-10	FLOOR DRAIN	X	X	X	SEE PLAN
P-11	WALL HYDRANT	X	3/4"	X	X
P-12	FUNNEL DRAIN	X	X	X	SEE 2/P11
P-13.1	FLOOR SINK (12 X 12 TOP)	X	X	X	3"
P-13.2	FLOOR SINK (8 X 8 TOP)	X	X	X	3"
P-14	CLEANOUT INSIDE BUILDING	X	X	X	SEE 1/P21
P-15	CLEANOUT OUTSIDE BUILDING	X	X	X	SEE 1/P21
P-23	UTILITY CONNECTION (ICE MAKER)	1/2"	X	X	X
P-24	UTILITY CONNECTION (COFFEE & TEA BREWERS)	1/2"	X	X	X
P-25	SHOCK ABSORBER	1/2"	1/2"	1/2"	X
P-26	ICE MACHINE BACKFLOW PREVENTER	1/2"	X	X	X
P-27	UTILITY CONNECTION (CARBONATORS)	1/2"	X	X	X
P-28	CARBONATOR BACKFLOW PREVENTER	3/4"	X	X	X
P-29	ICE MACHINE FLOOR SINK	X	X	X	3"
P-34	DISPENSER BACKFLOW PREVENTER	1/2"	X	X	X
P-36	INDIRECT WASTE RECEIVER	X	X	X	3"

- NOTES:
1. REFER TO FOOD SERVICE DRAWINGS FOR KITCHEN EQUIPMENT INSTALLATION AND HOOK-UP RESPONSIBILITIES.
 2. FIELD VERIFY SIZES LISTED ON EXISTING EQUIPMENT PRIOR TO ORDERING MATERIALS.

PIPING LEGEND

COLD WATER (CW)	—●—
HOT WATER (HW)	—○—
FILTERED WATER (FW)	—●●●—
VENT	—W—
SANITARY	—W—
EXISTING SANITARY	—W—
EXISTING SANITARY	—W—

FOR CONSTRUCTION

FOR CONSTRUCTION

COORDINATE VENT TERMINAL LOCATION WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM 15' CLEARANCE.

BFP P-28 FOR CARBONATORS. MOUNT ON WALL. SEE DETAIL 4/P21.

SIX NEW 1/2" FW LINES. ONE TO EACH OF FOUR NEW CARBONATORS, AND TWO AT THE NON-CARBONATED BEV. EACH WITH A P-27 STOP.

CONNECT NEW 1/2" FW TO EXISTING FW BEHIND DRINK SYSTEM. SEE DETAIL 4/P11 FOR TREATMENT OF PIPING IN THIS AREA.

EXISTING FW BELOW SLAB AND IN WALL TO REMAIN ACTIVE.

1/2" FW TO RELOCATED TEA BREWER WITH P-24 & P-34.

NEW 1/2" HW & 3/4" CW UP WITHIN EXISTING KITCHEN WET WALL AND ABOVE CEILING TO NEW HAND SINKS.

NEW 1/2" HW & CW TAKEOFFS FOR FAUCETS AT HAND, POT, AND PREP SINKS IN NEW LOCATIONS. TYPICAL.

CAP EXISTING HW & CW TAKEOFFS FOR EXISTING SINKS. TYPICAL.

CAP EXISTING HW & CW BACK AT ACTIVE SECTION. EXISTING BELOW SLAB PIPING DOWNSTREAM TO BE REMOVED TO 6" BELOW FLOOR, CAPPED AND ABANDONED IN PLACE.

P-25, ABOVE CEILING. TYPICAL.

EXISTING 3/4" CW SERVING FRONT HYDRANT TO REMAIN ACTIVE.

CONNECT NEW TO EXISTING IN WALL.

BALL VALVE ABOVE CEILING.

3/4" CW WITHIN WALL AND BENEATH NEW COUNTER. CONNECT TO EXISTING CW SERVING FRONT WALL HYDRANT. SEE 2/P11.

1/2" FW TO NEW P-24 AND P-34 AT NEW COFFEE MAKER.

EXISTING 1/2" FW BELOW SLAB AND IN WALL TO REMAIN ACTIVE.

RELOCATED PREP SINK.

RELOCATED POT SINK.

EXISTING FW BELOW SLAB AND IN WALL TO REMAIN ACTIVE.

EXISTING 3" VENT THRU ROOF, VTR, TO REMAIN.

RELOCATED FLOOR DRAIN. EXTEND SAN AS NEEDED.

EXISTING FCO. TO REMAIN.

RELOCATED FLOOR DRAIN. EXTEND SAN AS NEEDED.

EXISTING 4" WASTE TO REMAIN.

EXISTING FLOOR DRAIN TO REMAIN. TYP. L.I.N.O.

REMOVE EXISTING HUB DRAIN AND EXTEND SAN TO NEW FLOOR SINK.

EXISTING VENT THRU ROOF TO REMAIN.

CONNECT TO EXISTING.

NEW 3" TRAP ALIGNED WITH NEW MOP SINK.

REMOVE EXISTING DRAIN AT HAND SINK AND CAP BELOW SLAB.

CONNECT TO EXISTING. SEE 2/P11, TYPICAL.

CAP EXISTING COOLER CONDENSATE DRAIN WITHIN 6" OF ACTIVE LINE (OR REPLACE WITH FLOOR CLEANOUT).

EXISTING GREASE INTERCEPTOR.

6. PLUMBING SPECIFICATIONS

PART 1 - GENERAL

1. MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES AND AMENDMENTS.
2. OBTAIN AND PAY FOR ALL REQUIRED PERMITS, INSPECTION FEES, TAPPING FEES, CONNECTION CHARGES, AND UTILITY COMPANY SERVICE CHARGES.
3. INSTALLATION SHALL BE DONE IN A NEAT AND WORKABLE MANNER.
4. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED FOR EXACT SIZES OR LOCATIONS. THEY ARE NOT INTENDED TO DISCLOSE ABSOLUTE OR UNCONDITIONAL KNOWLEDGE OF ACTUAL FIELD CONDITIONS.

PART 2 - PRODUCTS

1. DOMESTIC WATER PIPING ABOVE SLAB SHALL BE TYPE 1" HARD DRAWN COPPER. WATER SUPPLY PIPING TO SOFT DRINK CARBONATORS SHALL BE FLOWGUARD GOLD CPVC AS MANUFACTURED BY THOMPSON PLASTICS OR CHARLOTTE PIPE. SEE PLANS FOR LOCATION OF CPVC PIPING.
2. ALL CONDENSATE PIPING SHALL BE TYPE M' HARD DRAWN COPPER.
3. DOMESTIC WATER PIPING BELOW SLAB SHALL BE TYPE K' SOFT ANNEALED SEAMLESS. NO JOINTS SHALL BE ALLOWED BELOW SLAB. PIPING BELOW SLAB SHALL BE SLEEVED WITH POLY SLEEVE AS MADE BY IPS WATER-TITE. ALL SLAB PENETRATIONS SHALL BE SLEEVED TO PROTECT PIPING FROM CORROSION BY CONCRETE.
4. COPPER PIPE FITTINGS SHALL BE WROUGHT COPPER SWEEP PATTERN FITTINGS, SOLDERED USING 95-5 LEAD-FREE SOLDER MEETING ASTM B-32 OR BRAZED WITH SIL-FOS. SOLDER FLUXES SHALL MEET ASTM B-813 AND SHALL BE LEAD FREE. BRAZING FLUXES SHALL MEET AWS FB3-A OR FB3-C.
5. ALL SANITARY WASTE AND VENT PIPING AND FITTINGS INSIDE THE BUILDING SHALL BE SCHEDULE 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE.
6. JOINTS FOR DWV-PVC PIPING SHALL BE SOLVENT WELD TYPE INSIDE AND UNDERSLAB. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
7. PIPING INSULATION SHALL BE KNAUF 1000F 25/50 FIBERGLASS PIPE COVERING, WHITE KRAFT PAPER VAPOR BARRIER (02 PERMS) BONDED TO ALUMINUM FOIL AND REINFORCED WITH GLASS FIBERS. MINIMUM THERMAL CONDUCTIVITY OF 0.23 AT 75F. LONGITUDINAL LAP SHALL BE SELF SEALING. PROVIDE 1" THICK INSULATION FOR POTABLE HOT, COLD, FILTERED, AND TEMPERED WATER PIPING. PROVIDE 1/2" THICK INSULATION FOR CONDENSATE PIPING INSIDE THE BUILDING.
8. A PVC 25/50 PRE-FORMED COVER SHALL BE PROVIDED AT ALL INSULATED PIPING FITTINGS EQUAL TO PROTO PVC CORP LOSMOKE, 800-875-7768.
9. PIPE INSULATION AND COVERINGS SHALL HAVE A RATING OF NOT GREATER THAN 25 FLAME SPREAD, NO HIGHER THAN 50 SMOKE DEVELOPED, AND NO MORE THAN 50 FUEL CONTRIBUTED. THE ONLY EXCEPTION SHALL BE ARMAFLEX II, WHEN SPECIFIED, WHICH SHALL NOT EXCEED 100 SMOKE DEVELOPED.

PART 3 - EXECUTION

1. EXCAVATION, BACKFILLING AND TRENCH WORK SHALL BE DONE IN ACCORDANCE WITH O.S.H.A. AND EXISTING SAFETY STANDARDS. COORDINATE CUTTING AND PATCHING OF EXISTING FLOORS AND WALLS WITH GENERAL CONTRACTOR PRIOR TO START OF WORK.
2. EXPOSED HOT AND COLD WATER TRIM IN FINISHED AREAS SHALL BE CHROME FINISHED.
3. ALL HORIZONTAL AND VERTICAL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL CODE RECOMMENDATIONS. ACCEPTABLE METHODS OF SUPPORT WILL BE THE SUMNER SYSTEM, POSIFIX, STAKFIX, PIPEFIX, HOLDRITE OR CHANNEL.
4. SUPPORT HORIZONTAL PIPING AS FOLLOWS:

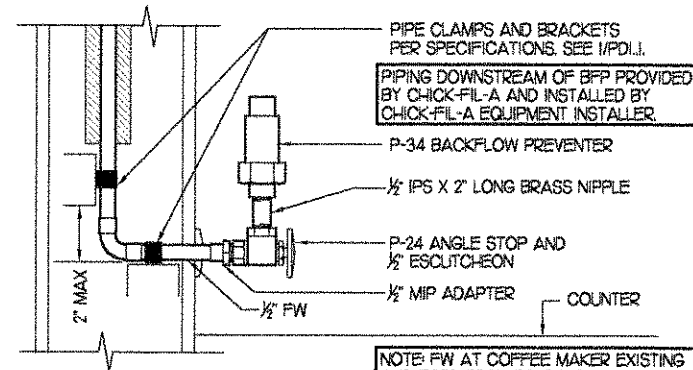
NOMINAL PIPE SIZE (IN)	MINIMUM HANGER DIAMETER (IN)
1/2	3/8
3/4 TO 1-1/2	3/8
2 TO 2-1/2	3/8
3 TO 6	1/2
5. HANGERS FOR PIPING GREATER THAN 1" SHALL PASS OVER THE INSULATION. PROVIDE SADDLES FOR INSULATED PIPING.
6. INSULATION SHALL BE APPLIED WITH JOINTS TIGHTLY BUTTED. OPEN CRACKS, VOIDS AND DEPRESSIONS SHALL BE FILLED WITH HYDRAULIC SETTING CEMENT. LAPPING MATCHING THE FINISH SHALL BE PASTED NEATLY OVER JOINTS. FITTINGS AND VALVES SHALL BE INSULATED WITH THE SAME TYPE.

PART 4 - PLUMBING FIXTURES

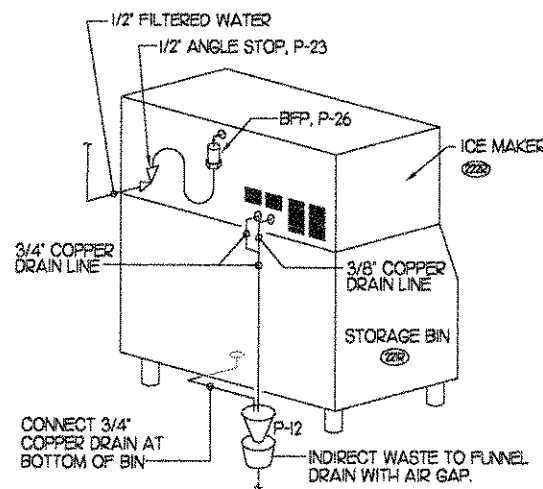
1. ACCEPTABLE MANUFACTURERS
 - A. NO OTHER MANUFACTURER SUBSTITUTIONS SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER FIVE (5) DAYS BEFORE BIDDING.
 - B. FIXTURES SHALL BE MOUNTED RIGIDLY TO WALLS AND FLOOR.
 - C. FITTINGS AS SPECIFIED ON THE PLANS. NO SUBSTITUTIONS ALLOWED.
 - D. DRAINS, HYDRANTS, CARRIERS AND SHOCK ABSORBERS: JAY R. SMITH, JONES STEPHENS CORP., ZURN WADE, OR JOSAM.
 - E. CONTRACTOR SHALL PROVIDE OUTLET DEVICES WHICH LIMIT THE FLOW OF WATER TO ALL LAVATORIES TO A MAXIMUM OF 0.5 GPM, SINKS TO A MAXIMUM OF 3.0 GPM AS REQUIRED BY LOCAL CODE.

2. FIXTURES

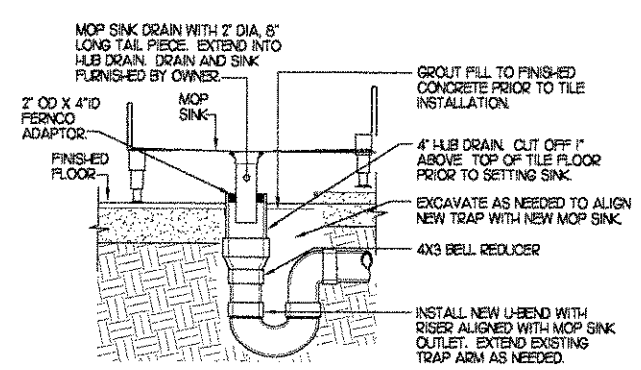
- P-4 LAVATORY ROUGH IN: ELIER MODEL 357-1062 FAUCET, MCGUIRE 175 SUPPLIES WITH STOPS, MCGUIRE 155-WC GRID DRAIN WITH OFFSET TAILPIECE AND A MCGUIRE 8872 POLISHED CHROME P-TRAP. P-TRAP SHALL BE PARALLEL WITH BACK WALL. PROVIDE A TRUEBRO INC. HANDI LAV-GUARD INSULATION KIT MODEL 103W. AMERICAN STANDARD RELIANT 2385.403 FAUCET IS AN ACCEPTABLE SUBSTITUTE. DELTA 523-WF-DF SINGLE LEVER FAUCET IS AN ACCEPTABLE SUBSTITUTE.
- P-5 KITCHEN HAND SINK ROUGH IN (SINK & FAUCET FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE 175 SUPPLIES WITH STOPS AND A MCGUIRE 8912 POLISHED CHROME P-TRAP.
- P-6 SERVING COUNTER DROP IN SINK (SINK & FAUCET FURNISHED BY OWNER) CONTRACTOR SHALL COORDINATE INSTALLATION WITH NEW WATER SUPPLY AND COUNTERTOP/CABINET RENNOVATION. PROVIDE NEW MCGUIRE 175 SUPPLIES WITH STOPS AND A MCGUIRE 8912 POLISHED CHROME P-TRAP AND MAKE FINAL CONNECTIONS.
- P-8 VEGETABLE PREP SINK (EXISTING SINK - OWNER TO PROVIDE NEW FAUCET) CONTRACTOR SHALL INSTALL SINK & FAUCET, AND MAKE FINAL CONNECTIONS FOR NEW FAUCET. PROVIDE MCGUIRE 177 SUPPLIES WITH STOPS AND 36" RISERS.
- P-9 POT SINK (EXISTING SINK - OWNER TO PROVIDE TWO NEW FAUCETS) CONTRACTOR SHALL INSTALL SINK & FAUCET, AND MAKE FINAL CONNECTIONS FOR NEW FAUCETS. PROVIDE MCGUIRE 177 SUPPLIES WITH STOPS AND 36" RISERS.
- P-10 FLOOR DRAIN (SEE PLAN FOR SIZE) JONES STEPHENS CORP D50-076 FOR 3" DRAINS, D50-075 FOR 2" DRAINS. PVC BODY, BRONZE SPLD WITH 6" SQUARE NICKEL BRONZE STRAINER.
- P-11 WALL HYDRANT (NON-FREEZE) WOODFORD MODEL 67-C AUTOMATIC DRAINING WALL HYDRANT WITH DUAL CHECK BFP, ASSE 1052 APPROVED, WALL CLAMP, 'C' STYLE INLET, 4" WOODFORD WALL THICKNESS, POLISHED BRASS FINISH.
- P-12 FUNNEL DRAIN (SEE PLAN FOR SIZE) JR. SMITH 3510LOX-FII FUNNEL-CEPTOR INDIRECT WASTE RECEIVER WITH 6" ROUND NICKEL BRONZE STRAINER AND 4" ROUND FUNNEL.
- P-13.1 FLOOR SINK (POT SINK) JAY R. SMITH FIGURE NO. 3430L-C-10 SANI-CEPTOR CAST IRON INDIRECT WASTE RECEIVER WITH 12" SQUARE BODY, 8" DEEP, SEDIMENT BUCKET AND NO STRAINER.
- P-13.2 FLOOR SINK (VEGETABLE SINK) JR. SMITH 3411L04-10 SANI-CEPTOR CAST IRON INDIRECT WASTE RECEIVER WITH 8" SQ. BODY, SEDIMENT BUCKET AND NO STRAINER.
- P-14 CLEANOUTS INSIDE BUILDING: JR. SMITH 4053L CLEANOUT WITH 1-1/2" SQUARE NICKEL BRONZE TOP AND TAPER THREAD BRONZE PLUG. SEE PLAN FOR SIZE.
- P-15 CLEANOUTS OUTSIDE BUILDING: JR. SMITH 4261L SERIES EXTRA HEAVY DUTY CAST IRON CLEANOUT, 'C.O.' CAST IN COVER, ABS PLUG, SPEEDI SET OUTLET.
- P-23 UTILITY CONNECTION (ICE MAKER): PROVIDE A MCGUIRE 1/2X 1/2" OD MODEL HSTIO CHROME WHEEL ANGLE STOP AND 6'-0" OF COPPER COILED TUBING TO ALLOW EQUIPMENT TO BE PULLED OUT FOR MAINTENANCE AND CLEANING. PROVIDE CHROME WALL ESCUTCHEON.
- P-24 UTILITY CONNECTION (COFFEE & TEA BREWERS): PROVIDE A BRASSCRAFT MODEL OR87C CHROME WHEEL ANGLE STOP, 1/2" FIP INLET AND OUTLET. PROVIDE CHROME WALL ESCUTCHEON. INSTALL WITH BFP P-34.
- P-25 SHOCK ABSORBER: JR. SMITH FIGURE 5005 THROUGH 5050, SIZE AS RECOMMENDED BY MANUFACTURER.
- P-26 ICE MACHINE BACKFLOW PREVENTER: WATTS MODEL #7 WITH 1/2" INLET AND 1/2" OUTLET AND DUAL CHECK.
- P-27 UTILITY CONNECTION (SOFT DRINK SYSTEM): PROVIDE A MCGUIRE 1/2" IPS X 3/8" OD MODEL ST02 CHROME WHEEL ANGLE STOP. PROVIDE CHROME WALL ESCUTCHEON. PIPING FROM STOP TO CARBONATORS SHALL BE PROVIDED AND INSTALLED BY SOFT DRINK VENDOR.
- P-28 CARBONATOR WATER SUPPLY BACKFLOW PREVENTER: WATTS MODEL #90M2 DOUBLE CHECK WITH INTERMEDIATE ATMOSPHERIC VENT AND 3/4" THREADED CONNECTIONS.
- P-29 ICE MACHINE FLOOR SINK: JR. SMITH 3411L04-10 SANI-CEPTOR CAST IRON INDIRECT WASTE RECEIVER WITH 8" SQ. BODY, SEDIMENT BUCKET AND NO STRAINER.
- P-34 DISPENSER BACKFLOW PREVENTER: WATTS MODEL #7 WITH 1/2" FIP INLET AND OUTLET, DUAL CHECK TYPE. PROVIDE 1/2" DIA X 2" LONG BRASS NIPPLE BETWEEN STOP AND BFP INLET. ASSE 1024 RATED.
- P-36 BEVERAGE TOWER INDIRECT RECEIVER (3") JONES STEPHENS CORP D53-144 PVC BODY, BRONZE SPLD WITH 8" DIAMETER NICKEL BRONZE STRAINER.



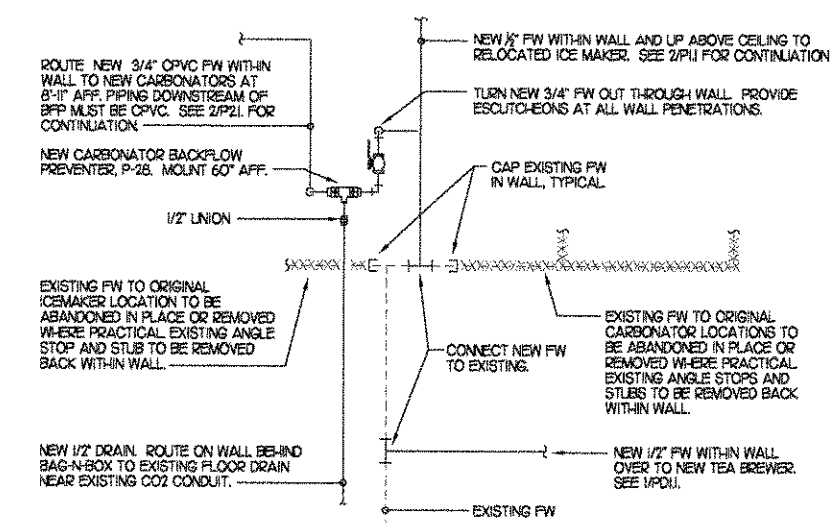
1 COFFEE AND TEA BREWER STOP & BFP
NOT TO SCALE



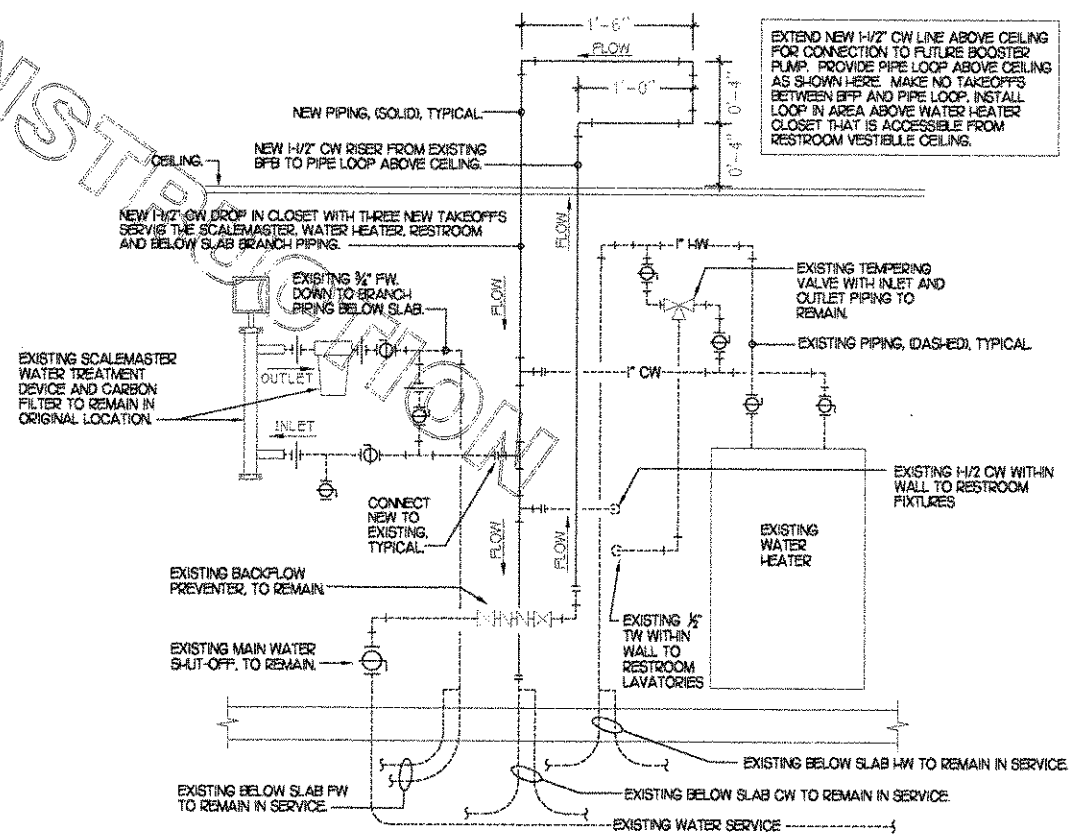
3 ICE MACHINE PIPING
NOT TO SCALE



2 MOP SINK DRAIN CONNECTION
NOT TO SCALE



4 NEW & EXISTING FILTERED WATER PIPING IN WALL
NOT TO SCALE



5 NEW PIPING AT WATER HEATER CLOSET
SCHEMATIC - NOT TO SCALE

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
△		
△		
△		

Seal

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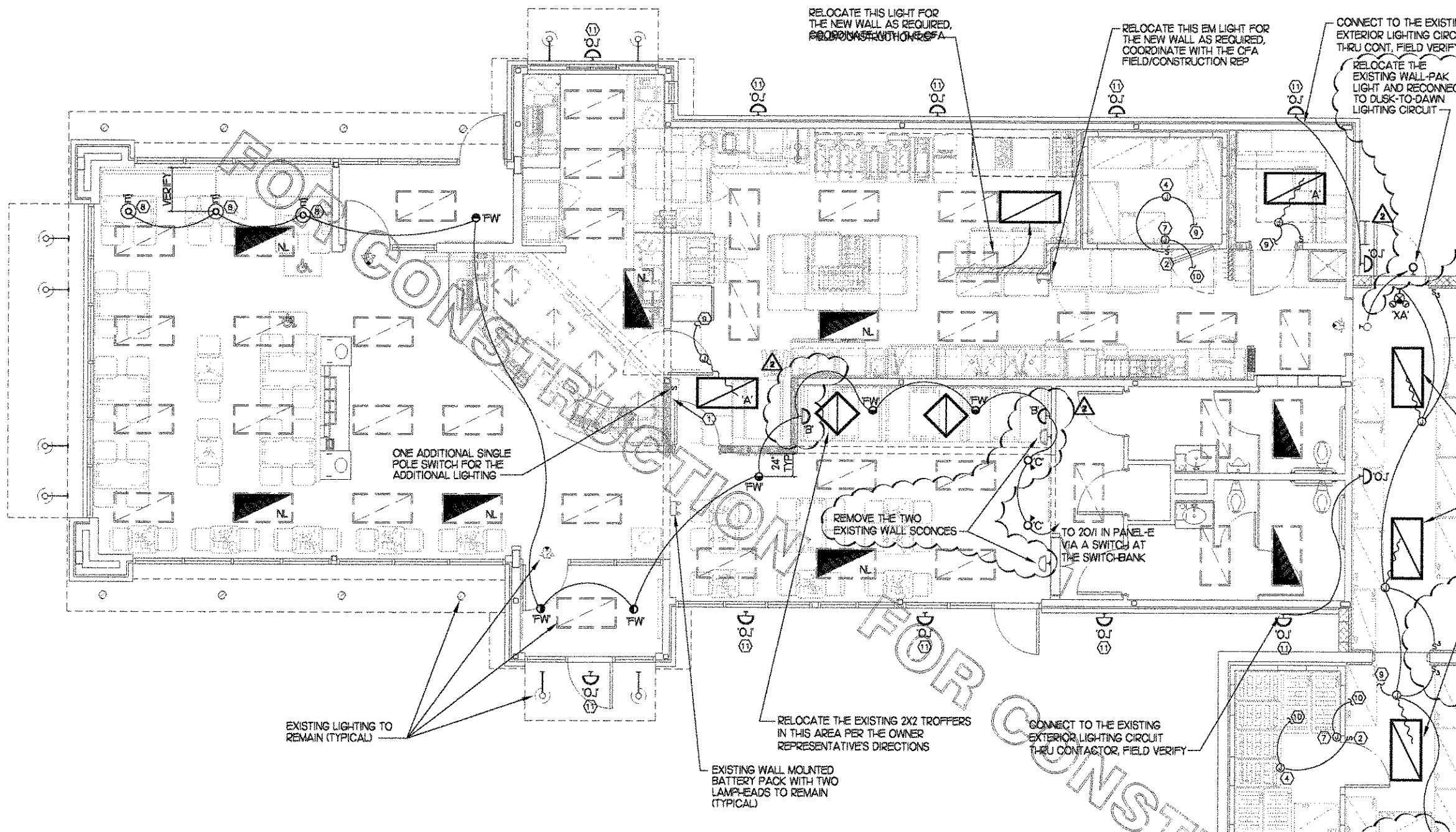
STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
PLUMBING
DETAILS AND
SPECIFICATIONS

DWG EDITION 01.0

Job No. : 7021
Store : 0945
Date : 2/16/07
Drawn By : RWW
Checked By : RDB

Sheet
PD-11



FOREST DRIVE FSU SITE SPECIFIC NOTE FOR THE SITE LIGHTING

THE EXISTING SITE LIGHTING HAS FIVE LIGHTING POLES, EACH HAVING TWO 400 WATT MH FIXTURES TENON MOUNTED TO THE POLE AT 90 DEGREES AND ONE LIGHTING POLE WITH THREE 400 WATT MH FIXTURES MOUNTED TO THE POLE AT 120 DEGREES.

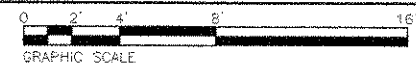
THE ORIGINAL SITE LIGHT SPEC WAS FOR TWO LSI LIGHTING TYPE CLM-FT-400SM-H2OV-BRZ-TENON MTD ON A 22'-0" SQUARE STEEL POLE #SSQN-SIIG-22-N-BRZ-59C.

THE CONTRACTOR SHALL PROVIDE (FROM THE OWNER'S LIGHTING VENDOR) AND INSTALL THE CFA STANDARD SITE LIGHTING POLE WITH TWO FIXTURES ON THE FIVE POLES AND SHALL CONSIST OF TWO LITHONIA #KSP2-400M-R4W-H2O-SPO9-L/LP WITH A 25 FT SQUARE POLE #SSS-25-5C-DM28-BC-NACF-L/AB. MOUNT THE TWO FIXTURES 180 DEGREES FROM EACH OTHER WITH EACH FIXTURE'S REFLECTOR FIELD DIRECTED TOWARD THE PARKING (THE FIXTURES ARE TO BE INSTALLED PARALLEL WITH THE CURB LINE)

THE CONTRACTOR SHALL PROVIDE (FROM THE OWNER'S LIGHTING VENDOR) AND INSTALL THE CFA STANDARD SITE LIGHTING POLE WITH THREE FIXTURE ON THE ONE POLE LOCATION AND SHALL CONSIST OF THREE LITHONIA #KSP2-400M-R4W-H2O-SPO9-L/LP WITH A 25 FT SQUARE POLE #SSS-25-5C-DM28-BC-NACF-L/AB. FIELD VERIFY THE REFLECTOR DIRECTIONS FOR THESE THREE FIXTURES.

CONTRACTOR SHALL FIELD VERIFY THE EXISTING BOLT CIRCLE IN THE EXISTING CONCRETE PIERS AND REUSE IF POSSIBLE FOR THE REPLACEMENT LIGHT POLES. A POLE SHALL BE LOCATED AT EACH OF THE EXISTING 6 LOCATIONS WITH A TOTAL OF 13 FIXTURES.

1 LIGHTING PLAN
SCALE: 1/4"=1'-0"



2 KEYNOTES (APPLY TO THIS SHEET ONLY)

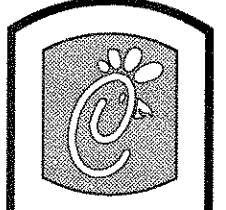
- 1 THE EXISTING SWITCH-BANK IS TO BE RELOCATED TO THE NEW WALL AND RECONNECTED TO THE EXISTING LIGHTING LOADS. PROVIDE ADDITIONAL SWITCHES FOR THE ADDITION AS REQUIRED.
- 2 FOR CONTROL OF LIGHTING FIXTURE IN WALK-IN COOLER/FREEZER, FURNISHED WITH EQUIPMENT, INSTALLED BY ELECTRICAL CONTRACTOR.
- 3 CONNECT FIXTURE SO THAT BATTERY PACK IS NOT SWITCHED WITH LIGHTS, BUT ALL LAMPS ARE SWITCHED.
- 4 FOR CONNECTION TO LIGHTING FIXTURES FOR WALK IN COOLER WHICH IS FURNISHED WITH EQUIPMENT, CONTRACTOR SHALL ROUGH-IN AND CONNECT ALL FIXTURES AS REQUIRED BY THE EQUIPMENT MANUFACTURER. PROVIDE LAMPS IN FIXTURES AS REQUIRED BY EQUIPMENT MANUFACTURER.
- 5 NOT USED.
- 6 CONNECT FIXTURE SO THAT LAMP BALLAST AND EMERGENCY BALLAST ARE NOT SWITCHED. 'N' ADJACENT TO FIXTURE INDICATES THAT FIXTURE SHALL BE ON 24 HOURS.
- 7 FOR CONNECTION TO LIGHTING FIXTURE FURNISHED WITH FREEZER/COOLER. THIS FIXTURE SHALL NOT BE SWITCHED.
- 8 LOW VOLTAGE PENDANT WITH REMOTE 120-12V TRANSFORMER ABOVE THE CEILING. COORDINATE TRANSFORMER REQUIREMENT WITH LIGHTING SUPPLIER.
- 9 CONNECT TO THE EXISTING LOCAL LIGHTING CIRCUIT OR RE-CONNECT TO THE EXISTING LIGHTING CIRCUIT, FIELD VERIFY.
- 10 CONNECT TO THE EXISTING WALK-IN COOLER/FREEZER LIGHTING CIRCUIT, FIELD VERIFY.
- 11 REMOVE EXISTING EXTERIOR WALL MOUNTED LIGHT AND INSTALL THE REPLACEMENT AT THE SAME LOCATION AND CONNECT TO THE EXISTING WIRING/CIRCUIT AT THE EXISTING BACKBOX.

3 LIGHTING FIXTURE SCHEDULE - CHICK-FIL-A REMODEL

CONTRACTOR SHALL PURCHASE ALL FIXTURES AND LAMPS THROUGH A NATIONAL ACCOUNT PROGRAM AS NOTED BELOW.

MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	NO. LAMPS/TYPE	WATTS	VOLTS	MOUNTING	REMARKS
A	LENSED TROFFER	LITHONIA	ZSPG-432-A12125-120-1/4GEB	4/F32 T8 SP35	115	120	RECESSED	2X4 STATIC TROFFER WITH ACRYLIC LENS, SMOOTH SIDE DOWN.
AF	PARABOLIC	LITHONIA	ZPM36-332-24LD-120-1/3GEB	3/F32 T8 SP35	90	120	RECESSED	2X4 STATIC 24 CELL 3" DEEP SILVER PARABOLIC TROFFER
AH	PARABOLIC EM	LITHONIA	SAME AS AF WITH EM BALLAST	3/F32 T8 SP35	90	120	RECESSED	
B	WALL SCONCE	ELK LIGHTING	540-2-C / SELF-BALLASTED CFLS	2/CF19EL-MINI TWIST	38	120	WALL	REPLACEMENT WALL SCONCE
C	MONOPOINT	LITHONIA	LTE-RNDB-PAR20-MB-WH/LTAISWH	1/50W PAR20 SPOT HAL	50	120	CEILING	WITH MONOPOINT CANOPY, AIM LIGHT AT WALL
E	DINING PENDANT	ELK LIGHTING	517-1-C / SELF-BALLASTED CFL	1/CF19EL-MINI TWIST	19	120	CEILING	BTM OF FIXTURE TO BE AT 5'-10" AFF
FE	DOWNLIGHT	LITHONIA	AFV-H8TRT-5AR-MVOLT	1/F18TBXSPX35-A-4P-EOL	20	120	RECESSED	ALZAK REFLECTOR COMPACT FLUORESCENT DOWNLIGHT
FW	WALLWASH DNLT	LITHONIA	AFVW-H8TRT-5AR-MVOLT-EOL-TRW	1/F18TBXSPX35-A-4P-EOL	20	120	RECESSED	SAME AS FE EXCEPT WITH WALLWASH TYPE REFLECTOR
JZ	INDIRECT	LITHONIA	CRW7-232-W-R-4FT-120-GEB	2/F32 T8 SP35	62	120	WALL	SEE ARCH ELEVATIONS FOR MOUNTING HEIGHT
JZE	INDIRECT W/ EM	LITHONIA	CRW7-232-W-R-4FT-120-GEB-EL	2/F32 T8 SP35	62	120	WALL	SAME AS JZ WITH INTEGRAL BATTERY PACK
L	DOUBLE BULLET	REMCRAFT	205I-BLACK-DOUBLE BULLET	2/75W PAR30L-H-FL25	150	120	WALL	FIELD AIM AT PLAY EQUIPMENT PER OWNER'S REP
XA	COMBO EXIT/EM LTG	LITHONIA	LHQM-S-W-R-120	FURNISHED	4	120	WALL/CLG	EXIT SIGN WITH INTEGRAL BATTERY PACK AND TWO LAMP-LEADS
OD	SITE POLE LTG	LITHONIA	KSP2-400M-R4W-H2O-SPO9-L/LP SSS-25-5C-DM28-BC-NACF-L/AB	1/MVR400U PER LUMINAIRE	456 EA	120	POLE	DARK BRONZE LUMINAIRE AND POLE. VERIFY THE QTY OF LUMINAIRES PER POLE WITH CFA REP & SITE PLAN.
OJ	EXTERIOR UP/DOWN	LITHONIA	WSR-175M-MDU5-120-DARKBRZ	1/175W MH	210	120	WALL/CLG	SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT

NOTE:
LIGHTING FIXTURES SHALL BE PURCHASED THROUGH A NATIONAL ACCOUNT AGREEMENT WITH LIGHTING ASSOCIATES, INC. CONTACT DOUG BOGLE OR KRISTY NIX AT 770-448-9250 OR FAX 770-263-0189.



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
2 05-14-07

OWNER CHANGES
Mark Date By

Mark Date By

Mark Date By

Seal

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CONSULTING ENGINEERS
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Telephone: (615) 255-5203
Fax: (615) 255-5207
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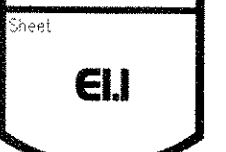


STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
Lighting Plan
and Schedule

DWG EDITION 01.0

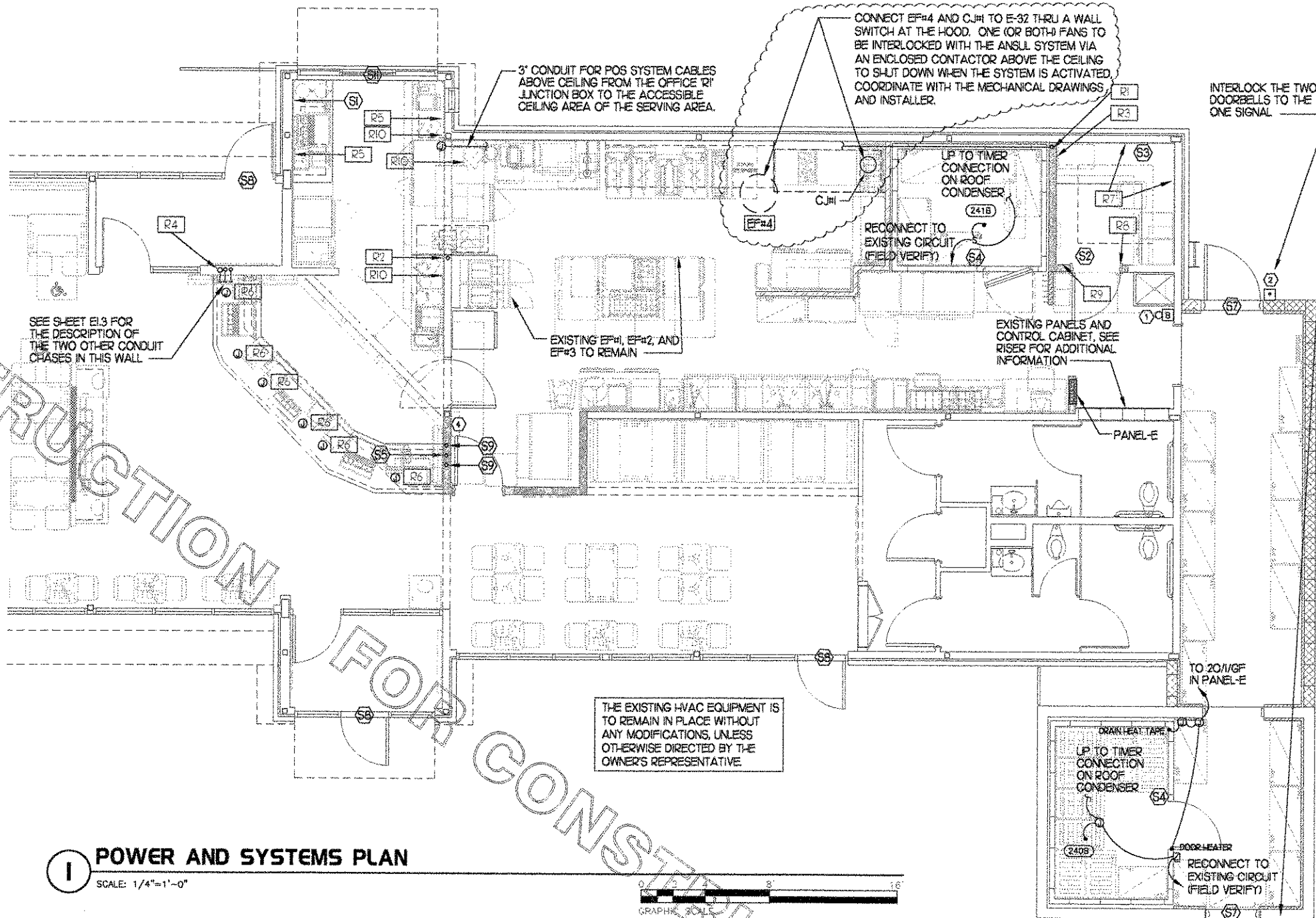
Job No. : CFM0710
Store : 0945
Date : 2/16/07
Drawn By : DB
Checked By : MK



2 CONDUIT AND CONDUCTORS SCHEDULE

Mark No.	OCP Device (Amp/P)	Load in Amperes	Conductors						Raceway Size (nominal inches)						
			Phase & Neutral		Equip Grd		No. Sets	EMT			PVC				
			Qty	Size	Qty	Size		EMT	IMC	RIGID	EMT	IMC	PVC		
1	20/1	1 - 16	2	12	THHN	1	12	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	20/2	1 - 16	3	12	THHN	1	12	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	20/3	1 - 16	4	12	THHN	1	12	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	25/1	17 - 20	2	10	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	25/2	17 - 20	3	10	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	25/3	17 - 20	4	10	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	30/1	21 - 24	2	10	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	30/2	21 - 24	3	10	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	30/3	21 - 24	4	10	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	40/1	25 - 32	2	8	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	40/2	25 - 32	3	8	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	40/3	25 - 32	4	8	THHN	1	10	One	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	50/1	33 - 40	2	6	THHN	1	10	One	3/4	3/4	3/4	1	1	1	1
14	50/2	33 - 40	3	6	THHN	1	10	One	3/4	3/4	3/4	1	1	1	1
15	50/3	33 - 40	4	6	THHN	1	10	One	3/4	3/4	3/4	1	1	1	1
16	60/1	41 - 48	2	4	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
17	60/2	41 - 48	3	4	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
18	60/3	41 - 48	4	4	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
19	70/1	49 - 56	2	4	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
20	70/2	49 - 56	3	4	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
21	70/3	49 - 56	4	4	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
22	80/2	57 - 64	3	3	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
23	80/3	57 - 64	4	3	THW	1	8	One	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
24	90/2	65 - 72	3	2	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
25	90/3	65 - 72	4	2	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
26	100/2	73 - 80	3	1	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
27	100/3	73 - 80	4	1	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
28	110/2	81 - 88	3	1	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
29	110/3	81 - 88	4	1	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
30	125/2	89 - 100	3	1	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
31	125/3	89 - 100	4	1	THW	1	6	One	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
32	150/2	101 - 120	3	1/0	THW	1	6	One	2	2	2	2	2	2	2
33	150/3	101 - 120	4	1/0	THW	1	6	One	2	2	2	2	2	2	2
34	175/2	121 - 140	3	2/0	THW	1	6	One	2	2	2	2	2	2	2
35	175/3	121 - 140	4	2/0	THW	1	6	One	2	2	2	2	2	2	2
36	200/2	141 - 160	3	3/0	THW	1	6	One	2	2	2	2	2	2	2
37	200/3	141 - 160	4	3/0	THW	1	6	One	2	2	2	2	2	2	2
38	225/2	161 - 180	3	4/0	THW	1	4	One	2	2	2	2	2	2	2
39	225/3	161 - 180	4	4/0	THW	1	4	One	2	2	2	2	2	2	2
40	250/3	181 - 200	4	250	THW	1	4	One	2	2	3	3	3	3	3
41	300/3	201 - 240	4	350	THW	1	4	One	3	3	3	3	3	3	3
42	350/3	241 - 280	4	500	THW	1	3	One	3	1/2	3	1/2	3	1/2	4
43	400/3	281 - 320	4	3/0	THW	2	3	Two	2	1/2	2	1/2	2	1/2	1/2
44	600/3	321 - 480	4	350	THW	2	1	Two	3	3	3	3	3	3	1/2
45	800/3	481 - 640	4	500	THW	2	1/0	Two	3	1/2	3	1/2	3	1/2	4
46	1000/3	641 - 800	4	400	THW	3	2/0	Three	3	3	1/2	3	1/2	3	1/2
47	1200/3	801 - 960	4	350	THW	4	3/0	Four	3	3	3	3	3	3	1/2
48	1600/3	961 - 1280	4	400	THW	5	4/0	Five	3	3	1/2	3	1/2	3	1/2

Notes:
 Conductors are rated at 600 volt or below and are to be copper.
 NEC Table 310.16 is used for the basis of the conductor ampacities, which is not more than three current carrying conductors in a raceway at an ambient temperature of 30 deg C with 60 deg C rated conductors and connectors per 110.14-C-1 for up to 100 amp rated and up to #1 AWG conductors for equipment terminations and 75 deg C rated conductors and termination connectors for larger than 100 amp or above #1 AWG conductors.
 NEC Appendix C is used for the basis of the conduit sizes. Table C1 for EMT, Table C4 for IMC, Table C8 for Rigid, and Table C10 for PVC (Sch 40).
 All Branch Feeders and Branch Circuits shall include a green Equipment Ground.
 Omit Grounding conductor on Service Entrance Feeders.
 Omit Neutral conductor on all Delta primary transformer feeders.
 The above conductors are not calculated for Voltage Drop. Any circuits that exceed 100 feet shall be calculated by the installer to have less than a three percent voltage drop on feeders and five percent on branch circuits per the NEC.



1 POWER AND SYSTEMS PLAN
 SCALE: 1/4"=1'-0"

3 GENERAL NOTES:

- ALL SECURITY, POS, MUSIC, COMMUNICATIONS, AND POWER ROUGH-IN SHALL BE INSTALLED DURING THE FRAMING/ROUGH-IN PHASE OF CONSTRUCTION. VERIFY WITH THE OWNER'S CONSTRUCTION MANAGER FOR ANY EXISTING CONDUITS THAT SHALL REMAIN IN PLACE AND BE RE-USED.
- REFER TO KITCHEN EQUIPMENT SHEETS FOR EQUIPMENT ELECTRICAL ROUGH-IN ELEVATIONS ABOVE FINISHED FLOOR.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRING.
- PROVIDE INSULATED BUSHINGS AT TERMINATION POINTS OF ALL CONDUITS FOR LOW VOLTAGE WIRING.

4 KEY NOTES - POWER:

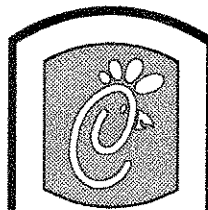
- PROVIDE EDWARDS #340-4NS VIBRATING 4" DIAMETER BELL. BELL SHALL BE RATED AT 120 VOLTS. CONNECT TO EXISTING POWER FOR REAR DOOR SIGNAL. FIELD VERIFY.
- PROVIDE 120 VOLT, STAINLESS STEEL, WEATHERPROOF DOORBELL PUSH-BUTTON AT DOOR. PUSH-BUTTON SHALL BE SURFACE MOUNTED. PROVIDE EDWARDS #850 PUSH-BUTTON IN BOX WITH EDWARDS #149-1 STAINLESS STEEL PLATE.
- PROVIDE SINGLE NEMA 5-15R RECEPTACLE AT 7'-6" A.F.F. TO CENTERLINE FOR CONNECTION TO FLY SYSTEM. EQUIPMENT #734. WHERE THE NATIONAL ELECTRICAL CODE REQUIRES GROUND FAULT PROTECTION IN THE KITCHEN FOR THIS EQUIPMENT, A GROUND FAULT BREAKER SHALL BE PROVIDED.
- PROVIDE 2 GANG BOX AND CONDUIT ROUGH-IN FOR EACH DUCT SMOKE DETECTOR INDICATED ON THE MECHANICAL DRAWINGS FOR INSTALLATION OF DUCT DETECTOR REMOTE ANNUNCIATORS BY OTHERS.

5 P.O.S. SYSTEM NOTES (REMODEL):

- PROVIDE 3" CONDUIT WITHOUT COVERPLATES. EXTEND CONDUIT FROM ABOVE THE OFFICE AREA TO ABOVE THE SERVING AREA.
- PROVIDE FLUSH MOUNTED SINGLE GANG JUNCTION BOX WITHOUT COVERPLATE NEXT TO THE FOOD PASS-THRU WINDOW. MOUNT IN THE CUSTOMER SERVICE AREA SIDE OF THE WALL BELOW THE MENU BOARDS. EXTEND 1" CONDUIT INTO THE CEILING SPACE.
- PROVIDE CUSTOM COVER PLATE WITH 3" GROMMET FOR TERMINATION OF 3" CONDUIT INTO 4"x4"x3" JUNCTION BOX. MOUNT BOX 8 TO 12 INCHES BELOW FINISHED CEILING AND 12 TO 18 INCHES FROM WALL CORNER.
- PROVIDE ONE 3" CONDUIT FROM BELOW COUNTERTOP LEVEL AND EXTEND TO A POINT NEAR [R1] IN CEILING SPACE OF SERVING AREA NEAR THE DRIVE-THRU.
- PROVIDE DEEP SINGLE GANG JUNCTION BOX MOUNTED UNDER THE COUNTERTOP LEVEL. EXTEND 3/4" CONDUIT UP TO THE CEILING SPACE ON SERVING SIDE.
- PROVIDE DEEP SINGLE GANG JUNCTION BOX MOUNTED UNDER THE COUNTERTOP LEVEL ON ALUMINUM MOUNTING PLATE - MAKE ROOM FOR SINGLE GANG PLATE TO MOUNT TO THE BOX.
- PROVIDE DOUBLE-GANG PLASTER RING FOR OWNER'S DEVICE PLATE WITH A 2" EMPTY CONDUIT AT THE RING IN THE WALL UP TO THE CEILING SPACE FOR OWNER'S CABLES.
- PROVIDE 4"x4"x3" JUNCTION BOX WITH COVER PLATE CONTAINING 2" GROMMET. EXTEND 2" CONDUIT INTO CEILING SPACE FOR INTERIOR TELCO SYSTEM. MOUNT FLUSH WITH WALL ABOVE THE DOOR 36 INCHES TO THE LEFT OF NOTE [S2].
- EXTEND EXISTING CONDUIT FOR THE TELEPHONE SERVICE TO THE CEILING SPACE WITH PULL STRING FOR FUTURE CABLE PULL OF TELCO SERVICE CABLE.
- EXISTING POS MONITOR MOUNTS TO REMAIN. FIELD VERIFY.

6 KEY NOTES - SECURITY SYSTEM (REMODEL):

- PROVIDE SINGLE GANG BOX JUNCTION BOX WITH STAINLESS STEEL COVER PLATE CONTAINING A 7/8" GROMMET. EXTEND 1" CONDUIT INTO CEILING SPACE.
- PROVIDE 4"x4"x4" FLUSH JUNCTION BOX WITHOUT COVER PLATE AND EXTEND 2" CONDUIT INTO CEILING SPACE. LOCATE BOX 30 TO 36 INCHES AWAY FROM COOLER WALL ON OFFICE SIDE OF THE WALL. PROVIDE A 1/2" CONDUIT FROM BOX AND EXTEND TO TELEPHONE SERVICE JUNCTION BOX. DUPLEX RECEPTACLE TO BE 8 INCHES FROM THIS BOX.
- EXISTING SITE CAMERA'S CONDUIT FROM LIGHT POLE TO REMAIN. EXTEND INTO CEILING SPACE IF NECESSARY FOR RE-USE BY THE OWNER'S VENDOR.
- PROVIDE DOUBLE (TWO) GANG WEATHERPROOF JUNCTION BOX WITHOUT COVER PLATE ON STRIKE SIDE OF DOOR AT 48 INCHES AFF AND EXTEND A 1/2" RIGID CONDUIT INTO CEILING SPACE. PROVIDE A SEAL AT THE PENETRATION OF THE COOLER/FREEZER CEILING.
- PROVIDE SINGLE GANG FLUSH JUNCTION BOX WITHOUT COVER PLATE. LOCATE IN WALL INSIDE THE SAFE CABINET AND EXTEND 1/2" CONDUIT INTO THE CEILING SPACE.
- NOT USED.
- PROVIDE 1/2" CONDUIT DIRECTLY FROM ABOVE CHANNEL OF DOOR FRAME ON STRIKE SIDE OF DOOR INTO CEILING SPACE.
- PROVIDE 1/2" CONDUIT DIRECTLY FROM VERTICAL CHANNEL OF DOOR FRAME AT LEAST 3" ON STRIKE SIDE OF DOOR INTO CEILING SPACE.
- PROVIDE SINGLE GANG JUNCTION BOX FLUSH AT 60 INCHES AFF AND EXTEND 1/2" CONDUIT INTO CEILING SPACE.
- NOT USED.
- PROVIDE 1/2" CONDUIT DIRECTLY FROM VERTICAL CHANNEL OF THE FIXED WINDOW FRAME ON STRIKE SIDE OF DT WINDOW AND EXTEND INTO THE CEILING SPACE.
- PROVIDE 3/4" CONDUIT FROM WEATHERPROOF JUNCTION BOX WITH COVER PLATE DIRECTLY ABOVE THE STRIKE SIDE OF THE SERVICE YARD GATE. ROUTE THE CONDUIT ALONG THE INSIDE OF THE SERVICE YARD WALL AND INTO THE BUILDING AND TERMINATE IN THE CEILING SPACE.



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Revisions:
 Mark Date By
 3/20/07

OWNER CHANGES

Mark Date By

Mark Date By

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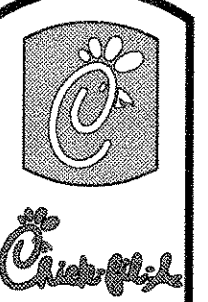
SHEET TITLE
 Power and
 Systems Plan

DWG EDITION 01.0

Job No. : CFN0710
 Store : 0945
 Date : 2/18/07
 Drawn By : DB
 Checked By : MK

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EI.2



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SHEET TITLE

Enlarged
Power and
POS Power
Plan

DWG EDITION 01.0

Job No. : CFM0710

Store : 0945

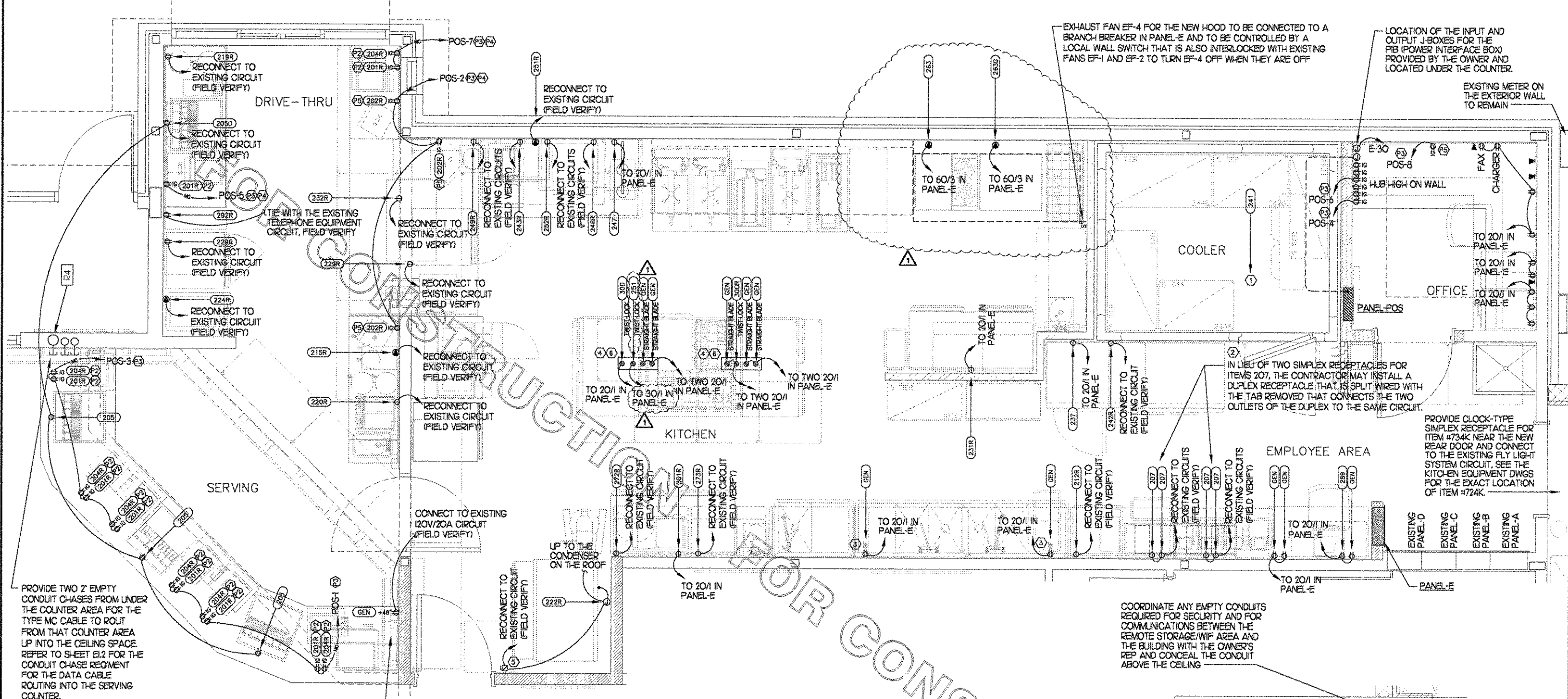
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Checked By : MK

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1 LARGE SCALE POWER AND POS POWER PLAN

SCALE: 1/2"=1'-0"



2 KEY NOTES - POWER:

- 1 CONNECT EVAPORATOR UNIT IN COOLER TO COOLER CONDENSING UNIT CONTROLS LOCATED ON ROOF. RE-USE EXISTING CIRCUIT(S). VERIFY THE ROUGH-IN AND ELECTRICAL REQUIREMENTS WITH THE SUPPLIER'S SHOP DWGS.
- 2 SPLIT DUPLEX OUTLET (FEED 2 CIRCUITS AS INDICATED).
- 3 PROVIDE GROUND FAULT PROTECTION FOR THE INDICATED GENERAL RECEPTACLES REGARDLESS OF THE NATIONAL ELECTRICAL CODE EDITION WHICH HAS BEEN LOCALLY ADOPTED.
- 4 RECEPTACLES LOCATED IN FLUSH CEILING OEP BOX. PROVIDE A-C-S OEP ASSEMBLY #12360-1000. ASSEMBLY WILL CONSIST OF FLUSH CEILING OUTLET BOX, TWIST-LOCK PENDANT RECEPTACLES, STRAIGHT BLADE PENDANT RECEPTACLES, CORDS, STRAIN RELIEF, AND TWISTLOCK PLUGS. MAKE DIRECT ELECTRICAL CONNECTION TO RECEPTACLES AND INSTALL OEP BOX ACCORDING TO MANUFACTURER RECOMMENDATIONS. CONNECT TO BRANCH CIRCUIT BREAKERS INDICATED. CONTACT MR. JIM JACOBSON AT A-C-S AT 800-639-7584 TO PURCHASE OEP BOX AND CORD DROP RECEPTACLES.
- 5 VERIFY LOCATION OF ICE MACHINE DISCONNECT IN FIELD.
- 6 WHERE THE 2002/2005 NATIONAL ELECTRICAL CODE IS IN EFFECT, PROVIDE GROUND FAULT PROTECTION FOR THE 15 AND 20 AMP RECEPTACLE OUTLETS VIA A GROUND FAULT CIRCUIT BREAKER.

3 KEY NOTES - POS ELECTRICAL:

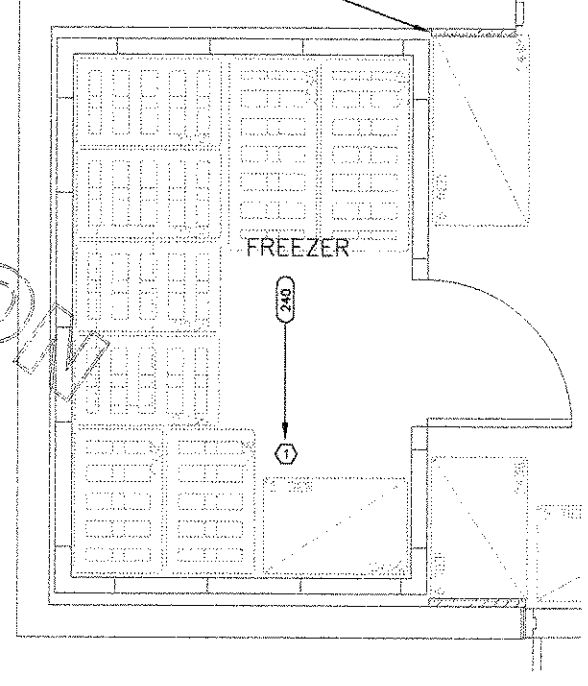
- P1 NOT USED.
- P2 PROVIDE ORANGE ISOLATED GROUND (IG) DUPLEX RECEPTACLES.
- P3 ISOLATED GROUND CIRCUIT #12 (BLACK-HOT), #12 (WHITE-NEUTRAL), #12 (GREEN-EQUIP. GROUND), #12 (GREY/YELLOW-ISOLATED GROUND). PROVIDE GREEN COLOR - CODED ISOLATED GROUNDING MC CABLE, UNBROKEN FROM OUTLET TO PANEL POS IN OFFICE. ONLY ONE 15A RECEPTACLE PER CIRCUIT (15A CIRCUIT BREAKER). ALL MC CABLES SHALL BE RUN OVERHEAD ABOVE CEILING, RACKED TOGETHER ON J-HOOKS. NO SPLICES IN ANY CABLES. CABLE TO BE AFC CABLE SYSTEM #MC-TUFF-IG.
- P4 WHERE 2002 NATIONAL ELECTRICAL CODE IS IN EFFECT, PROVIDE GROUND FAULT PROTECTION FOR THESE DEVICES VIA A GROUND FAULT CIRCUIT BREAKER. VERIFY WITH THE LOCAL CODE OFFICIAL WHETHER THE SERVING AREA IS CONSIDERED IN THE DEFINITION OF KITCHEN FOR THE PURPOSES OF THIS CODE REQUIREMENT. IF SO, THEN PROVIDE GF TYPE BREAKERS FOR THE SERVING COUNTER IG CIRCUITS ALSO.
- P5 PROVIDE ORANGE ISOLATED GROUND (IG) DUPLEX RECEPTACLE.

NOTE:
WHERE THE 2002/2005 NATIONAL ELECTRICAL CODE IS IN EFFECT, CONTRACTOR SHALL PROVIDE GROUND FAULT PROTECTION FOR ALL 120 VOLT, 15 AND 20 AMP RECEPTACLE OUTLET BRANCH CIRCUITS IN THE KITCHEN. GROUND FAULT PROTECTION SHALL BE PROVIDED AT THE RECEPTACLE VIA A GROUND FAULT TYPE RECEPTACLE UNLESS OTHERWISE NOTED ON THE PLANS.

NOTE:
THIS PLAN LOCATES IG TYPE RECEPTACLES WHICH ARE TO BE CONNECTED TO PANEL-POS. THERE SHALL BE NO OTHER LOADS CONNECTED TO PANEL-POS OR TO THE ISOLATED GROUND BRANCH CIRCUITS SHOWN ON THIS PLAN. ANY LOADS OTHER THAN POINT OF SALE (POS) EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AT THE EXPENSE OF THE CONTRACTOR AND CONNECTED TO THE PROPER BRANCH CIRCUIT.

4 PARTIAL POWER PLAN - WIF ADDITION

SCALE: 1/2"=1'-0"



1 **KITCHEN EQUIPMENT SCHEDULE - CHICK-FIL-A REMODEL - Forest Dr-Columbia SC FSUR**

REQUIRES IG/GF WIRING	EQUIP NO.	QTY	EQUIPMENT DESCRIPTION	ELECTRICAL LOAD				NEMA CONFIG	RECEPTACLE COOPER CAT NO.	WIRE/CONDUIT MARK NO.	ADDITIONAL REQUIREMENTS
				VOLTS	PH	WIRES	KW				
IG	201/20R	8	ORDER REGISTER	120	1	2	0.7	5-20R	185362RN (ORANGE)	HG	
IG	202R	3	ORDER MONITOR	120	1	2	0.5	5-20R	185362RN (ORANGE)	HG	
IG	204/20AR	5	RECEIPT PRINTER	120	1	2	0.1	5-20R	185362RN (ORANGE)	HG	
NOTE 2	205/20S0	4	DRINK TOWER	120	1	2	15	5-20R	CR20		
NOTE 2	207	4	CARBONATOR (1/3 HP)	120	1	2	7.2	5-20R	CR20		SPLIT-WIRED RECEPTACLE
NOTE 2	212R	1	TEA BREWER	120	1	2	14.0	5-20R	1877 (SIMPLEX)		
	215R	1	COFFEE BREWER	120/208	1	3	4.000	14-50R	L1430R		PROVIDE CORD AND ANGLE TL PLUG
NOTE 2	219R	1	SINGLE JUICE DISPENSER	115	1	2	1.7	5-20R	CR20		
NOTE 2	220R	1	DOUBLE JUICE DISPENSER	115	1	2	4.0	5-20R	1877 (SIMPLEX)		
	222R	1	ICE MAKER	208	3	4	16.8	DIRECT			WITH REMOTE 120V ROOF CONDENSER
	224R	1	ICE DREAM MACHINE	208	3	4	17.0	15-30R	1530R		WITH ANGLE PLUG ON CONDSET
NOTE 2	229R	2	SINGLE LC REFRIGERATOR	120	1	2	9.3	5-20R	1877 (SIMPLEX)		
NOTE 2	231R	1	BREADING TABLE	120	1	2	12.0	5-20R	1877 (SIMPLEX)		
NOTE 2	232R	1	DOUBLE LC REFRIGERATOR	120	1	2	5.7	5-20R	1877 (SIMPLEX)		
NOTE 2	237	1	REACH-IN REFRIGERATOR	120	1	2	8.0	5-20R	1877 (SIMPLEX)		
	240	1	WALK-IN FREEZER	120	1	2	3.3	DIRECT			
	240A	1	WI FREEZER CONDENSER	208	3	3	12.5	DIRECT			
	240B	1	WI FREEZER EVAP COIL	208	3	2	9.8	DIRECT			POWER FED FROM CONDENSER
	241	1	WALK-IN COOLER	120	1	2	2.4	DIRECT			
	241A	1	WI COOLER CONDENSER	120/208	3	4	5.8	DIRECT			
	241B	1	WI COOLER EVAP COIL	120	1	2	3.6	DIRECT			POWER FED FROM CONDENSER
NOTE 2	243R	1	THAWING CABINET	120	1	2	16.0	5-20R	1877 (SIMPLEX)		
NOTE 2	243R	1	SANDWICH TOASTER	120	1	2	6.0	5-20R	1877 (SIMPLEX)		
NOTE 2	246R	1	BUN WARMER-TOASTER	120	1	2	13.0	5-20R	1877 (SIMPLEX)		
NOTE 2	247	1	SINGLE WARMING DRAWER	120	1	2	0.450	5-20R	1877 (SIMPLEX)		
NOTE 2	249R	1	SINGLE FOOD WARMER	120	1	2	13.8	5-20R	1877 (SIMPLEX)		
NOTE 5	251/251R	2	BISCUIT HOLDING CABINET	120	1	2	2.290	15-30R	L530R		PROVIDE TWIST LOCK PLUG IN FIELD
NOTE 2	252R	1	HEATED HOLDING CABINET	120	1	2	0.475	5-20R	1877 (SIMPLEX)		
	263	1	RANGE/CONVECTION OVEN	120/208	3	4	16.500	15-30R	B460N		PROVIDE 6 FT CORD AND ANGLE PLUG
	263O	1	GRIDDLE/CONVECTION OVEN	120/208	3	4	17.300	15-30R	B460N		PROVIDE 6 FT CORD AND ANGLE PLUG
NOTE 5	272R	1	FLOOR MIXER	115	1	2	9.8	5-20R	1877 (SIMPLEX)		
NOTE 5	273R	1	FOOD CUTTER	115	1	2	16.0	5-20R	1877 (SIMPLEX)		
NOTE 2	281/281R	13	SMALL MENU BOARD	115	1	2	0.55	5-20R	CR20		
NOTE 2	289	1	TV/DVD MONITOR	115	1	2	0.069	5-20R	CR20		
NOTE 2	292R	1	DRIVE-THRU VIDEO MONITOR	115	1	2	0.096	5-20R	CR20		
NOTE 5	300/300R	2	REFRIGERATED WORK TABLE	120	1	2	5.7	L5-20R	CWL520R		PROVIDE TWIST LOCK PLUG IN FIELD
NOTE 5	301R	1	REFRIGERATED WORK TABLE	120	1	2	5.70	5-15R	CR20		
NOTE 5	734	1	FLY SYSTEM - KITCHEN AREA	115	1	2	0.65	5-15R	93632 (CLOCK)		

SEE RECEPT. DETAILS WIRING DEVICE PACKAGE (INCLUDING SWITCHES) SHALL BE PURCHASED AS A PART OF A NATIONAL ACCOUNTS BUYING PROGRAM THROUGH G.E. SUPPLY. CONTACT WAYNE SANDERS AT 770-840-4178, 6640 PEACHTREE INDUSTRIAL BLVD, NORCROSS GA 30071.

NOTE 1 ALL SO CORD LENGTHS SHALL BE MEASURED FROM THE REAR OF THE EQUIPMENT TO THE END OF THE CORD.

NOTE 2 WHERE 2002/2005 NATIONAL ELECTRICAL CODE IS IN EFFECT, CONTRACTOR SHALL PROVIDE GROUND FAULT PROTECTION FOR ALL 120 VOLT 15 AMP AND 20 AMP RECEPTACLES IN THE KITCHEN/FOOD PREPARATION AREAS. GROUND FAULT PROTECTION SHALL BE PROVIDED AT THE RECEPTACLE AS A GROUND-FAULT TYPE RECEPTACLE UNLESS OTHERWISE NOTED ON THE PLANS. GFCI WIRING DEVICE SHALL BE COOPER HGF20V RATHER THAN TYPE INDICATED ABOVE.

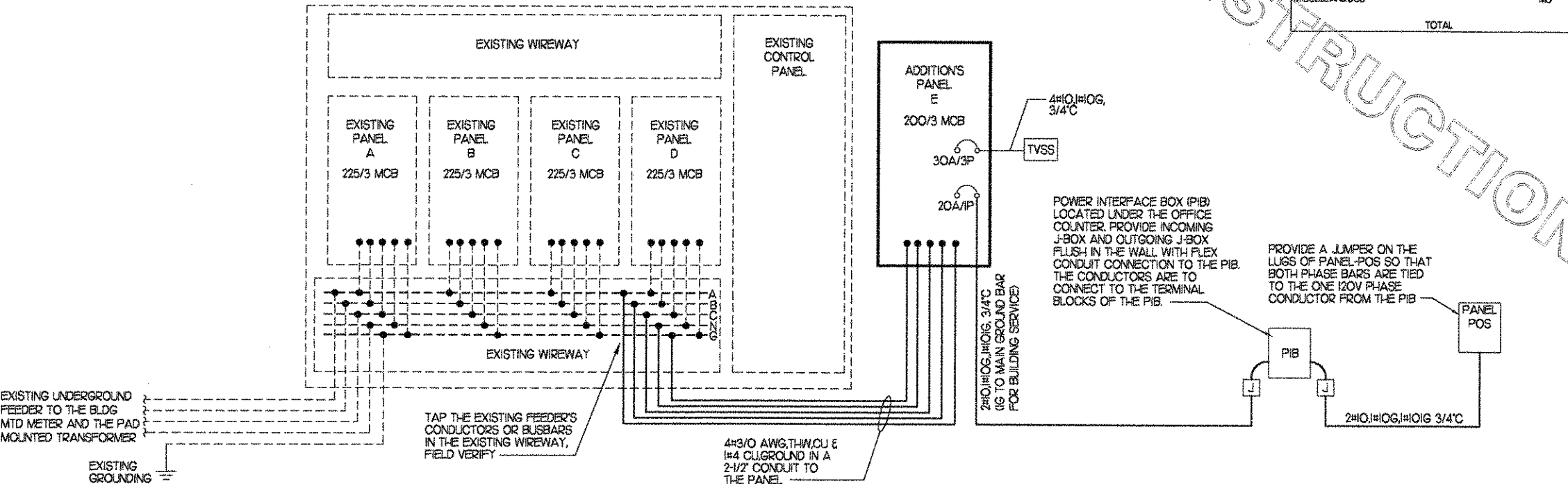
NOTE 3 PROVIDE 7 FOOT SO 2/4 CORD, INSTALL PIN & SLEEVE DEVICE IN LINE ON SO CORD AT 6 FT FROM BACK OF UNIT. EXTEND 1 FT ADDITIONAL SO CORD TO BOX AT WALL. PROVIDE 90 DEG. LIQUID TIGHT GRIP/STRAIN RELIEF AT BOTH ENDS OF CORD, USE 2 GANG BACKBOX.

NOTE 4 WIRE NUMBER INDICATED DOES NOT INCLUDE THE REQUIRED GREEN EQUIPMENT GROUND CONDUCTOR OR, WHEN APPLICABLE, THE STRIPED IG CONDUCTOR.

NOTE 5 PROVIDE GF TYPE BRANCH BREAKER FOR KITCHEN/FOOD PREPARATION AREA RECEPTACLES THAT ARE LOCKING, CLOCK, OR IG TYPE WHERE REQUIRED BY THE 2002/2005 NEC AND A GF TYPE RECEPTACLE IS NOT POSSIBLE TO REPLACE THE LOCKING, CLOCK, OR IG TYPE RECEPTACLE. (VERIFY IN 2005 NEC AREAS THAT THE SERVING AREA IS DEFINED AS A FOOD PREP AREA)

NOTE 6 REFER TO THE CONDUIT AND CONDUCTOR SCHEDULE FOR THE WIRE/CONDUIT MARK NUMBER AND THE MINIMUM WIRE AND CONDUIT SIZE FOR EACH EQUIPMENT ITEM.

NOTE 7 AN 'X' BESIDE THE EQUIPMENT NUMBER INDICATES THE ITEM IS EXISTING TO BE RELOCATED. THE ELECTRICAL LOAD INFORMATION IS FOR A NEW EQUIPMENT ITEM THAT WOULD BE PROVIDED BY THE OWNER. CONTRACTOR SHALL FIELD VERIFY THE EXISTING EQUIPMENT ITEMS ELECTRICAL REQUIREMENTS AND MAKE ANY NECESSARY CORRECTIONS TO THE BRANCH WIRING AS REQUIRED. IN GENERAL THE EXISTING CIRCUIT IS TO BE RE-USED FOR THE RELOCATED EQUIPMENT ITEM.



ELECTRICAL LOAD SUMMARY
BASED ON 2002 NEC TABLE 220.36 OR 2005 220.56
(NOT ALL ELECTRIC RESTAURANT)

LOAD DESCRIPTION	KVA
LIGHTING	0.30
RECEPTACLES	3.60
MISCELLANEOUS	2.08
HVAC	0.00
HEAT	0.00
SINGLE PHASE MOTOR	1.26
KITCHEN	42.20
EXISTING PEAK LOAD AT 125% TOTAL CONNECTED	137.50 186.93
IF TOTAL IS 0-200 KVA, THEN TOTAL LOAD AT 100%	186.93
IF TOTAL IS 201-325 KVA, THEN LOAD OVER 200 AT 50% + 200	0.00
IF TOTAL LOAD IS 326-800 KVA, THEN LOAD OVER 325 AT 45% + 262.5	0.00
IF TOTAL LOAD IS OVER 800 KVA, THEN LOAD OVER 800 AT 20% + 476.3	0.00
TOTAL DIVERSIFIED KVA	186.93
TOTAL DIVERSIFIED AMPS AT 208 VOLT	59.25
EXISTING PEAK LOAD FROM UTILITY FOR THIS SERVICE DURING THE PREVIOUS 12 MONTH PERIOD IS 110 KW WHICH OCCURRED JULY 2006.	

PANEL-E SCHEDULE

PANELBOARD DESCRIPTION				BREAKER OPTIONS				LOADS			
PANELBOARD NAME: SQ-D / NOOD				SWITCH RATED: SW				KVA PHASE A 18			
MANUFACTURER / TYPE: 206 Y / I20				ISOLATED GROUND: IG				KVA PHASE B 12.9			
VOLTS: 206 Y / I20				GROUND FAULT: GF				KVA PHASE C 18.5			
PHASE / WIRE: 3 / 4 W / IG				HACR: HA				AMPS PHASE A 150			
MAIN TYPE / CU BUS AMPS: MCB / 200A/3P				SHUNT TRIP: ST				AMPS PHASE B 107			
AIC RATING: 65,000				LOCK-ON: LO				AMPS PHASE C 154			
MOUNTING: FLUSH				NOTES: KVA CONNECTED 49.4				KVA DIVERSIFIED 34.7			
NEMA RATING: I				ISOLATED GROUND TO GO THRU THIS PANEL, AND TERMINATE ON BLDG GRD.				AMPS CONNECTED 137			
QUANTITY OF SECTIONS: 1								AMPS DIVERSIFIED 96.4			

CIR NO.	LOAD DESCRIPTION	EQP NO.	LOAD TYPE	LOAD KVA	CIR BKR +A/P/O	PH	CIR BKR +A/P/O	LOAD KVA	LOAD TYPE	EQP NO.	LOAD DESCRIPTION	CIR NO.
1	GEN KIT RESEP		R	0.180	201	A	201	0.180	R		OFFICE RECEPTS	2
3	GEN KIT RESEP		R	0.180	201	B	201	0.180	R		OFFICE RECEPTS	4
5	WARMING DRAWER	247	K	0.450	201	C	201	0.540	R		OFFICE RECEPTS	6
7	EM AREA RESEPS		R	0.360	201	A	3 POLE				SPACE	8
9	EM AREA RESEPS		R	0.360	201	B					SPACE	10
11	REFRIG WORK TABLE	301R	K	0.684	201	C						12
13	REFRIGERATOR	237	K	0.960	201	A	60/3/ST	5.652	K	263G	GRIDDLE/CONV OVEN	14
15	SPARE				201	B		5.652	K			16
17	REFRIG WORK TABLE	300	K	0.684	201	C		6.000	K			18
19	HOLDING CABINET	251	K	2.290	201	A					SPACE FOR ST	20
21	GEN DROP CORD		R	0.180	201	B	201	0.300	L		ADDED ACCENT LIGS	22
23	GEN DROP CORD		R	0.180	201	C	3 POLE				SPACE	24
25	FRZDR HT-HEAT TAPE	240	K	1.800	201/GF	A						26
27	RANGE/CONV OVEN	263	K	5.652	60/3/ST	B						28
29						C	201	2.076			PANEL-POS VIA PIB	30
31						A	201	1.257	M		IF#4 AND CU#1	32
33	SPACE FOR ST					B	201				SPACE	34
35	BREADING TABLE	231R	K	1.440	201	C	201	0.684	K	300R	REFRIG WORK TABLE	36
37	TVSS SURGE SUPPRESSOR				50/3	A	201	0.180	R		GEN DROP CORD	38
39						B	201	0.180	R		GEN DROP CORD	40
41						C	201	0.180	R		GEN DROP CORD	42

*A/P/O INDICATES CIRCUIT BREAKER AMPACITY/NO. POLES/OPTIONS WITH OPTIONS AS NECESSARY

PANEL-POS SCHEDULE

PANELBOARD DESCRIPTION				BREAKER OPTIONS				LOADS			
PANELBOARD NAME: POS				SWITCH RATED: SW				KVA PHASE B 2.08			
MANUFACTURER / TYPE: SQ-D / NOOD				ISOLATED GROUND: IG							
LPS INPUT VOLT/OUTPUT VOLT: 120 / 120				GROUND FAULT: GF							
PHASE / WIRE: 1 / 4				HACR: HA				AMPS PHASE B 17.3			
MAIN TYPE / CU BUS AMPS: MLO / 100 AMP				SHUNT TRIP: ST							
AIC RATING: 10,000				LOCK-ON: LO							
MOUNTING: FLUSH				NOTES: KVA CONNECTED 2.08				KVA DIVERSIFIED 2.08			
NEMA RATING: I				CONNECT BOTH PHASE BARS TO PHASE B AND FURNISH W/ IG BAR, SEE RISER DIAGRAM				AMPS CONNECTED 17.3			
QUANTITY OF SECTIONS: 1								AMPS DIVERSIFIED 17.3			

CIR NO.	LOAD DESCRIPTION	EQP NO.	LOAD TYPE	LOAD KVA	CIR BKR +A/P/O	PH	CIR BKR +A/P/O	LOAD KVA	LOAD TYPE	EQP NO.	LOAD DESCRIPTION	CIR NO.
1	CASH REGISTER/PRINTER	201/A	MS	0.276	15/A/O	B	15/A/O	0.172	MS	202	3 MONITORS	2
3	CASH REGISTER/PRINTER	201/A	MS	0.276	15/A/O	B	15/A/O	0.500	MS		NETWORK HUB	4
5	CASH REGISTER	201	MS	0.080	15/A/O	B	15/A/O	0.500	MS		NETWORK HUB	6
7	CASH REGISTER/PRINTER	201/A	MS	0.092	15/A/O	B	15/A/O	0.180	MS		OFFICE RECEPTACLE	8
9	SPARE				15/A/O	B	15/A/O				SPACE	10
11	SPARE				15/A/O	B	15/A/O				SPACE	12

*A/P/O INDICATES CIRCUIT BREAKER AMPACITY/NO. POLES/OPTIONS, PROVIDE OPTIONS INDICATED.

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3/20/07

OWNER CHANGES
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SHEET TITLE
EQ Schedule,
Pnl Schedules,
and Riser

DWG EDITION 01.0

Job No. : CSM710
Store : 0945
Date : 2/16/07
Drawn By : DKB
Checked By : MTK

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E21

1 ELECTRICAL SPECIFICATIONS

SECTION 16001 - ELECTRICAL GENERAL PROVISIONS

PART 1 - GENERAL

1.01 WORK INCLUDED

A. PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO FINISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON DRAWINGS AND AS SPECIFIED HEREIN.

1.02 REGULATORY REQUIREMENTS

A. EQUIPMENT FURNISHED SHALL BE UL LISTED WHERE SUCH LABEL IS AVAILABLE. INSTALLATION SHALL CONFORM TO UL STANDARDS WHERE APPLICABLE.
 B. ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS, NEC AND NFPA CODES IN EFFECT AT PROJECT LOCATION, STATE AND LOCAL ELECTRICAL AND BUILDING CODES AND SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS WITHIN COMPLETE INSTALLATION.
 C. OBTAIN PERMITS AND CERTIFICATES OF APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION OVER THE INSTALLATION AND PAY ALL FEES REQUIRED.

1.03 SUBMITTALS

A. SUBMIT LIST OF MATERIALS AND EQUIPMENT PRIOR TO MANUFACTURE, ORDER OR INSTALLATION AND WITHIN TWENTY DAYS AFTER AWARD OF CONTRACT FOR APPROVAL. INCLUDE EACH ITEM OF MATERIAL AND EQUIPMENT WHETHER OR NOT SHOP DRAWINGS ARE ALSO REQUIRED. LIST SHALL INCLUDE NAME OF MANUFACTURER, CATALOG NUMBER AND OTHER COMPLETE IDENTIFICATION AS WELL AS DIMENSIONS AND DETAILED DATA. SUBMITTALS SHALL INCLUDE FOR THE FOLLOWING:
 LIGHTING FIXTURES
 PANELBOARDS/BREAKERS
 WIRING DEVICES AND DEVICE PLATES
 ENCLOSED SWITCHES
 B. CERTIFIED SHOP DRAWINGS AND SUBMITTALS SHALL BEAR STAMP OF APPROVAL OF CONTRACTOR AS EVIDENCE THAT DRAWINGS HAVE BEEN CHECKED. DRAWINGS SUBMITTED WITHOUT THIS STAMP OF APPROVAL WILL NOT BE CONSIDERED AND WILL BE RETURNED FOR PROPER RESUBMISSION.
 C. IF SUBMITTALS SHOW VARIANCES OR SUBSTITUTIONS FROM REQUIREMENTS OF CONTRACT, CONTRACTOR SHALL MAKE SPECIFIC MENTION OF SUCH VARIATION IN HIS LETTER OF TRANSMITTAL IN ORDER THAT, IF ACCEPTABLE, SUITABLE ACTION MAY BE TAKEN FOR PROPER ADJUSTMENT. OTHERWISE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR EXECUTING WORK IN ACCORDANCE WITH CONTRACT EVEN THOUGH SUCH SUBMITTALS HAVE BEEN APPROVED.

1.04 SITE VISIT

A. VISIT JOB SITE PRIOR TO BID DATE TO DETERMINE ACTUAL CONDITIONS UNDER WHICH WORK SHALL BE DONE, TO FAMILIARIZE ONESELF WITH PROJECT AND TO VERIFY TOTAL SCOPE OF WORK REQUIRED. FAILURE TO DO SO SHALL NOT CONSTITUTE A REASON FOR AN EXTRA CHARGE.

SECTION 16050 - BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 COORDINATION

A. OBTAIN AND REVIEW SHOP DRAWINGS, PRODUCT DATA, AND MANUFACTURER'S INSTRUCTIONS FOR EQUIPMENT FURNISHED UNDER OTHER SECTIONS TO DETERMINE CONNECTION LOCATIONS AND REQUIREMENTS.
 B. SEQUENCE ROUGH-IN OF ELECTRICAL CONNECTIONS TO COORDINATE WITH INSTALLATION AND START-UP OF EQUIPMENT FURNISHED UNDER OTHER SECTIONS.

PART 2 - PRODUCTS

2.01 SUBSTITUTIONS

A. WHERE SPECIFICATIONS LIST ONE OR MORE MANUFACTURERS AND DO NOT INCLUDE "OR APPROVED EQUAL," FURNISH MATERIALS MADE BY ONE OF MANUFACTURERS LISTED, WHERE "OR APPROVED EQUAL" IS INCLUDED, CONTRACTOR MAY SUBSTITUTE EQUAL PRODUCTS BY ANOTHER MANUFACTURER SUBJECT TO APPROVAL BY ENGINEER AND OWNER.

PART 3 - EXECUTION

3.01 INSTALLATION

A. MAKE ELECTRICAL CONNECTIONS TO UTILIZATION EQUIPMENT IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
 B. DRAWINGS ARE DIAGRAMATIC AND SHALL NOT BE SCALED FOR EXACT SIZES OR LOCATIONS, THEY ARE NOT INTENDED TO DISCLOSE ABSOLUTE OR UNCONDITIONAL KNOWLEDGE OF ACTUAL FIELD CONDITIONS.
 C. PROTECT WORK AND MATERIALS FROM DAMAGE BY WEATHER, ENTRANCE OF WATER AND DIRT, CAP CONDUIT DURING INSTALLATION, AVOID DAMAGE TO MATERIALS AND EQUIPMENT IN PLACE.
 D. SATISFACTORILY REPAIR OR REMOVE AND REPLACE DAMAGED WORK WITH NEW MATERIALS. DELIVER EQUIPMENT AND MATERIALS TO JOB SITE IN ORIGINAL, UNOPENED, LABELED CONTAINERS. STORE PERISHABLE MATERIALS TO PREVENT RUSTING. STORE FINISHED MATERIALS AND EQUIPMENT TO PREVENT STAINING AND DISCOLORING.
 E. TRENCHES SHALL BE EXCAVATED 6" BELOW ELEVATION OF BOTTOM OF CONDUIT.
 F. FAILURE TO ROUTE CONDUIT THROUGH BUILDING WITHOUT INTERFERING WITH OTHER EQUIPMENT AND CONSTRUCTION SHALL NOT CONSTITUTE A REASON FOR AN EXTRA CHARGE. EQUIPMENT, CONDUIT AND FIXTURES SHALL FIT INTO AVAILABLE SPACES IN BUILDING AND SHALL NOT BE INTRODUCED INTO BUILDING AT SUCH TIMES AND MANNER AS TO CAUSE DAMAGE TO STRUCTURE. EQUIPMENT REQUIRING SERVICE SHALL BE READILY ACCESSIBLE.

3.02 TESTING AND EQUIPMENT SERVICING

A. MAKE TEST TO ENSURE THAT ENTIRE SYSTEM IS IN PROPER OPERATING CONDITION, AND THAT ADJUSTMENTS AND APPARATUS SETTING OF CIRCUIT BREAKERS, FUSES, CONTROL EQUIPMENT AND APPARATUS HAVE BEEN MADE. CORRECT DEFECTS DISCOVERED DURING TESTS.

3.03 REMOVAL OF DEBRIS

A. REMOVE SURPLUS MATERIALS AND DEBRIS CAUSED BY, OR INCIDENTAL TO, ELECTRICAL WORK. REMOVE SUCH DEBRIS AT FREQUENT INTERVALS. KEEP JOB CLEAN DURING CONSTRUCTION.

3.04 IDENTIFICATION OF EQUIPMENT

A. IDENTIFY ELECTRICAL DISTRIBUTION EQUIPMENT, DISCONNECTS, AND CONTACTORS WITH BLACK LAMINATED PLASTIC NAME-PLATES, ATTACHED WITH TWO SCREWS, ENGRAVED WITH 1/4" HIGH, WHITE LETTERS.

3.05 TEMPORARY LIGHTING AND POWER IN AREAS OF CONSTRUCTION

A. PROVIDE, MAINTAIN AND REMOVE AFTER CONSTRUCTION IS COMPLETED, TEMPORARY LIGHTING ADEQUATE FOR WORKMAN SAFETY AND TEMPORARY POWER FOR ALL TRADES INCLUDING ANY 3 PHASE POWER REQUIRED.
 B. PROVIDE AND MAINTAIN BARRICADE LIGHTING WHERE REQUIRED TO ADEQUATELY PROTECT OWNER AGAINST LIABILITY FOR DAMAGE TO PUBLIC OR PERSONNEL. ALL LAMPS USED IN BARRICADE SHALL BE 60 WATT RED, INSTALLED IN WEATHER-PROOF SOCKET WITH WIRE GUARD. ALL WIRING SHALL BE APPROVED FOR WEATHER-PROOF INSTALLATION.

3.06 GUARANTEE-WARRANTY

A. GUARANTEE WORK TO BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF BUILDING. REPAIR AND REPLACE DEFECTIVE WORK AND OTHER WORK DAMAGED THEREBY WHICH BECOMES DEFECTIVE DURING TERM OF GUARANTEE-WARRANTY. FURNISH OWNER WITH THREE WRITTEN COPIES OF GUARANTEE-WARRANTY.

SECTION 16111 - RACEWAYS AND CONDUIT SYSTEMS

PART 1 - PRODUCTS

1.01 ACCEPTABLE MANUFACTURERS

A. RIGID IMC, AND EMT CONDUIT SHALL BE HOT-DIPPED, GALVANIZED, OR ELECTROGALVANIZED STEEL BY ALLIED, REPUBLIC, TRIANGLE, WHEATLAND, OR APPROVED EQUAL.
 B. PVC CONDUIT SHALL BE CARLON, SCHEDULE 40, 90 DEGREES C, RATED, UNLESS OTHERWISE NOTED.
 C. MC CABLE SHALL BE MANUFACTURED BY AFC CABLE SYSTEMS OR APPROVED EQUAL. TYPE "AC-90" IS NOT ALLOWED. ALL MC CABLES SHALL HAVE A GREEN EQUIPMENT GROUND CONDUCTOR AND AN ISOLATED GROUND (GREEN - YELLOW STRIPED) CONDUCTOR. CABLES FOR DATA SYSTEMS POWER CIRCUITS SHALL BE AS SPECIFIED ON PLANS.
 D. ASSOCIATED COUPLINGS, CONNECTORS AND FITTINGS SHALL BE STEEL AS MANUFACTURED BY RACO OR EQUIVALENT. CATALOG NUMBERS USED BELOW ARE THOSE OF RACO.
 E. ERICKSON COUPLINGS, SERIES 1802, SHALL BE USED WHERE NEITHER LENGTH OF CONDUIT CAN BE ROTATED.
 F. INSULATED BUSHINGS SHALL BE SERIES 1402.
 G. EMT BOX CONNECTORS SHALL BE COMPRESSION FITTINGS.
 H. CONDUIT, CONNECTORS, COUPLINGS AND FITTINGS SHALL BE UL LISTED AND LABELED.

1.02 ELECTRICAL METALLIC TUBING (EMT)

A. USE ELECTRIC METALLIC TUBING (EMT) WHERE DRAWINGS CALL FOR CONDUIT TO BE:
 1. CONCEALED IN WALLS.
 2. INSTALLED ABOVE SUSPENDED CEILING.
 3. INSTALLED EXPOSED, ABOVE 6 FEET.

1.03 INTERMEDIATE METAL CONDUIT (IMC)

A. USE INTERMEDIATE METAL CONDUIT (IMC) WHERE DRAWINGS CALL FOR CONDUIT TO BE:
 1. INSTALLED FOR PANELBOARD FEEDERS.
 2. INSTALLED IN WET LOCATIONS (INTERIOR AND EXTERIOR).
 3. INSTALLED EXPOSED BELOW 6 FEET.

1.04 POLYVINYL CHLORIDE (PVC) RACEWAY

A. USE PVC RACEWAY FOR:
 1. UNDERGROUND SERVICE ENTRANCE CONDUITS FOR TELEPHONE AND POWER.
 2. EXTERIOR BRANCH CIRCUITS INSTALLED UNDERGROUND.
 3. INTERIOR BRANCH CIRCUIT CONDUITS INSTALLED IN CONCRETE SLAB ON GROUND FLOOR.

1.05 RIGID STEEL CONDUIT (RSC)

A. USE RIGID STEEL CONDUIT FOR:
 1. INSTALL UNDERGROUND FOR POWER SERVICE ENTRANCE ELBOWS PENETRATING FLOOR SLAB.
 2. EXPOSED TO PHYSICAL DAMAGE.

1.06 FLEXIBLE METAL CONDUIT

A. PROVIDE FLEXIBLE METAL CONDUIT FOR TERMINATION AT EQUIPMENT SUBJECT TO MOTION AND VIBRATION.
 B. LENGTH SHALL NOT EXCEED 6 FEET IN ACCESSIBLE CEILING AREAS.
 C. SHALL NOT BE CONCEALED IN WALLS.
 D. WHERE EXPOSED TO CONTINUOUS OR INTERMITTENT MOISTURE, CONDUIT SHALL BE UL TYPE EF LIQUID TIGHT.
 E. FOR CONNECTION TO CEILING MOUNTED LIGHTING FIXTURES FROM OUTLET BOXES.

1.07 MC (METAL-CLAD) CABLE

A. MC CABLE MAY BE USED, CONCEALED ABOVE CEILING AND IN WALLS, WHEN ALLOWED BY LOCAL CODES AND ARTICLE 330 OF THE NATIONAL ELECTRICAL CODE FOR THE CONNECTION OF THE POINT OF SALES SYSTEM EQUIPMENT ONLY.

PART 2 - EXECUTION

2.01 INSTALLATION

A. MINIMUM SIZE OF CONDUITS SHALL BE 1/2 INCH.
 B. RUN CONCEALED CONDUITS IN DIRECT LINE WITH LONG SWEEP BENDS OR OFFSETS. RUN EXPOSED CONDUITS PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES. GROUP MULTIPLE CONDUIT RUNS IN BUNDLES.
 C. CAP ENDS OF CONDUITS TO PREVENT ENTRANCE OF WATER AND OTHER FOREIGN MATERIAL DURING CONSTRUCTION.
 D. PROVIDE NO. 12 AWG COPPER PULL WIRES OR NYLON CORD IN ALL EMPTY CONDUITS. STEEL WIRE NOT ACCEPTABLE AS PULL WIRE.
 E. WHERE IMC CONDUIT ENTERS A CABINET, JUNCTION BOX, OR PULL BOX, CONDUCTORS SHALL BE PROTECTED BY AN INSULATED BUSHING. LOCKNUTS SHALL BE INSTALLED ON CONDUIT OUTSIDE AND INSIDE ENCLOSURE.
 F. IN AREAS WHERE ENCLOSED AND GASKETED FIXTURES AND WEATHERPROOF DEVICES ARE SPECIFIED, WHERE RIGID CONDUIT ENTERS A SHEET METAL ENCLOSURE, JUNCTION BOX AND OUTLET BOX, AND NOT TERMINATED IN A THREADED HUB, A STEEL OR MALLEABLE IRON NYLON INSULATED HUB, COMPLETE WITH RECESSED SEALING "O" RING OR SEALING LOCKNUT SHALL BE USED.
 G. PROVIDE SEAL-OFF FITTING IN ALL CONDUITS ENTERING A COLD TEMPERATURE AREA SUCH AS FREEZERS AND DRY REFRIGERATORS.
 H. IN CONCRETE SLABS, BLOCK UP CONDUIT FROM FORMS AND SECURELY FASTEN IN PLACE. ALL CONDUITS IN SLABS SHALL HAVE A MINIMUM OF 4" INCHES CONCRETE COVERAGE ABOVE.
 I. FAILURE TO ROUTE CONDUIT THROUGH BUILDING WITHOUT INTERFERING WITH OTHER EQUIPMENT, AND CONSTRUCTION SHALL NOT CONSTITUTE A REASON FOR AN EXTRA CHARGE. EQUIPMENT, CONDUIT, AND FIXTURES SHALL FIT INTO AVAILABLE SPACES IN BUILDING AND SHALL NOT BE INTRODUCED INTO BUILDING AT SUCH TIMES AND MANNER AS TO CAUSE DAMAGE TO STRUCTURE OR EQUIPMENT. EQUIPMENT REQUIRING SERVICING SHALL BE READILY ACCESSIBLE.

2.02 EMT (ELECTRICAL METALLIC TUBING) RACEWAY

A. DO NOT USE ELECTRIC METALLIC TUBING IN CINDER CONCRETE OR CINDER FILL OR WHERE CONDUIT SYSTEM IS IN CONTACT WITH DISSIMILAR METALS OR IN WET LOCATIONS.

2.03 PVC RACEWAY

A. USE THREADED FITTINGS FOR ALL CONNECTORS AND ADAPTERS.
 B. PROVIDE 1/4-INCH NYLON PULL ROPE IN ALL PRIMARY POWER AND INCOMING TELEPHONE SERVICE ENTRANCE CONDUITS.
 C. NO EXTERIOR PVC SHALL EMERGE FROM THE GROUND OR THE CONCRETE SLAB OR ENCASEMENT. EXTERIOR PVC CONDUIT SHALL CONVERT TO GALVANIZED RIGID METAL PRIOR TO ITS EMERGENCE.

2.04 FLEXIBLE METAL CONDUIT

A. WHERE FITTINGS FOR LIQUID TIGHT FLEXIBLE CONDUIT ARE BROUGHT INTO AN ENCLOSURE WITH A KNOCK-OUT, A GASKET ASSEMBLY, CONSISTING OF ONE PIECE "O" RING WITH BUNA-N SEALING MATERIAL, SERIES 3400, SHALL BE INSTALLED ON OUTSIDE OF BOX. FITTINGS SHALL BE MADE OF EITHER STEEL OR MALLEABLE IRON ONLY, AND SHALL HAVE INSULATED THROATS OR INSULATED BUSHINGS.
 B. IN DRY LOCATIONS, WHERE FINAL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT MAY BE MADE WITH FLEXIBLE METAL CONDUIT, FITTINGS SHALL BE OF STEEL OR MALLEABLE IRON ONLY WITH INSULATED THROATS OR INSULATED BUSHINGS, AND SHALL BE OF WEDGE AND SCREW TYPE HAVING AN ANGULAR WEDGE FITTING BETWEEN CONVOLUTIONS OF CONDUIT.

SECTION 16123 - CONDUCTORS

PART 1 - PRODUCTS

1.01 CONDUCTORS

A. PROVIDE 98% CONDUCTIVITY COPPER CONDUCTORS WITH 600-VOLT INSULATION FOR CONDUCTORS NO. 12 AWG AND NO. 10 AWG, PROVIDE SOLID TYPE FOR ALL CONDUCTORS NO. 8 AWG AND LARGER, PROVIDE STRANDED TYPE. ALL CONDUCTORS SHALL HAVE THIRTY-THREE INSULATION UNLESS NOTED OTHERWISE.
 B. CONDUCTORS SHALL BE MANUFACTURED BY TRIANGLE, AMERICAN, ROME, SOUTH-WIRE OR APPROVED EQUAL.
 C. PROVIDE NO. 14 AWG TYPE TH-N FIXTURE CONDUCTORS, FOR CONDUCTORS ENTERING FIXTURES.
 D. BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG, COPPER.

PART 2 - EXECUTION

2.01 INSTALLATION

A. INSTALL PULL BOXES IN CIRCUITS OR FEEDERS OVER 100' LONG.
 B. MAKE ALL SPLICES OR CONNECTIONS ONLY AT OUTLET, PULL OR JUNCTION BOXES.
 C. ALL CONDUCTORS AND CONNECTIONS SHALL TEST FREE OF GROUNDS, SHORTS, AND OPENS PRIOR TO ENERGIZING CIRCUIT.
 D. PROVIDE NO. 10 WIRE IN LIEU OF NO. 12 WIRE FOR ANY BRANCH CIRCUIT IN EXCESS OF 100' LINEAR LENGTH TO PREVENT EXCESSIVE VOLTAGE DROP.
 E. USE IDEAL WING NUTS, SCOTCH-LOK TYPE Y, R, G, OR B, OR APPROVED EQUIVALENT CONNECTORS FOR FIXTURE CONNECTIONS AT OUTLET BOXES.
 F. MAKE FEEDER TAPS AND JOINTS WITH OZ. TYPE T, PT, PM OR PTS, OR APPROVED EQUIVALENT CLAMP CONNECTORS AS MANUFACTURED BY KLEPAC, OR WITH APPROVED COMPRESSION SLEEVES. WRAP CONNECTORS WITH NO. 10 ELECTRO-SEAL OR APPROVED EQUIVALENT PLASTIC FILLER AND VINYL TAPE.
 G. LEAVE A MINIMUM OF 8" SLACK WIRE IN EVERY OUTLET BOX.
 H. PROVIDE COLOR CODED WIRE AND WITH A DIFFERENT COLOR FOR EACH PHASE AND NEUTRAL AND GROUND AS FOLLOWS: PHASE A, B, C BLACK, RED AND BLUE RESPECTIVELY, NEUTRAL WHITE, ISOLATED GROUND GREEN WITH YELLOW STRIPES. APPROVED COLOR TAPE IS ACCEPTABLE FOR FEEDERS USING LARGER THAN #6 CONDUCTORS.
 I. ALL CONDUCTORS SHALL BE CONTINUOUS FROM ORIGIN TO PANEL OR EQUIPMENT TERMINATION WITHOUT SPLICES WHERE POSSIBLE. WHERE SPLICES AND TAPS ARE NECESSARY OR ARE REQUIRED, THEY SHALL BE MADE IN SPLICE BOXES WITH SUITABLE CONNECTORS.
 J. TIGHTEN ALL ELECTRICAL CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS TO COMPLY WITH TIGHTENING TORQUES SPECIFIED IN UL486A AND UL486B.

SECTION 16130 - OUTLET AND JUNCTION BOXES

PART 1 - GENERAL

1.01 PROJECT CONDITIONS

A. VERIFY FIELD MEASUREMENTS ARE AS SHOWN ON DRAWINGS. FIELD VERIFY LOCATIONS OF OUTLETS WITH OWNER'S REPRESENTATIVE, PRIOR TO ROUGH-IN.

PART 2 - PRODUCTS

2.01 OUTLET BOXES

A. SHEET METAL OUTLET BOXES: GALVANIZED STEEL.
 B. CAST BOXES: TYPE FS, CAST FERALLOY, PROVIDE GASKETED COVER BY BOX MANUFACTURER.
 C. MANUFACTURERS: NATIONAL, APPLETON, GENERAL ELECTRIC, RACO, OR STEEL CITY.
 D. PROVIDE BOXES FOR FIXTURES WITH FIXTURE STUDS IN CENTER.
 E. OUTLET BOXES FOR LIGHTING, SWITCHES AND RECEPTACLES IN INTERIOR AREAS WITH EXPOSED CONDUIT SHALL BE PRESSURE STEEL AND IN EXTERIOR AREAS WITH EXPOSED CONDUIT SHALL BE CAST METAL WITH THREADED HUBS, "F5" TYPE. USE GALVANIZED STEEL FOR CONCEALED BOXES. BOXES SHALL BE 1/2" DEEP MINIMUM.

2.02 PULL AND JUNCTION BOXES

A. SHEET METAL BOXES: GALVANIZED STEEL.
 B. SURFACE-MOUNTED CAST METAL BOX: TYPE 4, FLAT-FLANGED, SURFACE-MOUNTED JUNCTION BOX.
 1. MATERIAL: GALVANIZED CAST IRON.
 2. COVER: FURNISH WITH GROUND FLANGE, NEOPRENE GASKET, AND STAINLESS STEEL COVER SCREWS.
 C. IN-GROUND CAST METAL BOX: INSIDE FLANGED, RECESSED COVER BOX FOR FLUSH MOUNTING.
 1. MATERIAL: GALVANIZED CAST IRON.
 2. COVER: NONSKID COVER WITH NEOPRENE GASKET AND STAINLESS STEEL COVER SCREWS.
 3. COVER LEGEND: ELECTRIC.
 D. MANUFACTURERS: NATIONAL, APPLETON, GENERAL ELECTRIC, RACO, OZ-BEDNEY OR STEEL CITY.

PART 3 - EXECUTION

3.01 INSTALLATION

A. INSTALL ELECTRICAL BOXES AS SHOWN ON DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS AND COMPLIANCE WITH REGULATORY REQUIREMENTS.
 B. INSTALL PULL BOXES AND JUNCTION BOXES ABOVE ACCESSIBLE CEILING.
 C. INACCESSIBLE CEILING AREAS: INSTALL OUTLET AND JUNCTION BOXES NO MORE THAN 6 INCHES FROM CEILING ACCESS PANEL, OR FROM REMOVABLE RECESSED LIGHT FIXTURE.
 D. USE FLUSH MOUNTING OUTLET BOXES IN FINISHED AREAS.
 E. USE STAMPED STEEL BRIDGES TO FASTEN FLUSH MOUNTING OUTLET BOX BETWEEN STUDS.
 F. INSTALL FLUSH MOUNTED BOX WITHOUT DAMAGING WALL INSULATION OR REDUCING ITS EFFECTIVENESS.
 G. USE ADJUSTABLE STEEL CHANNEL FASTENERS FOR HUNG CEILING OUTLET BOX.
 H. DO NOT FASTEN BOXES TO CEILING SUPPORT WIRES.
 I. SUPPORT BOXES INDEPENDENTLY OF CONDUIT, EXCEPT CAST BOX THAT IS CONNECTED TO TWO RIGID METAL CONDUITS BOTH SUPPORTED WITHIN 12 INCHES OF BOX.
 J. USE GANG BOX WHERE MORE THAN ONE DEVICE IS MOUNTED TOGETHER. DO NOT USE SECTIONAL BOX.
 K. USE GANG BOX WITH PLASTER RING FOR SINGLE DEVICE OUTLETS.
 L. USE CAST OUTLET BOX IN EXTERIOR LOCATIONS AND WET LOCATIONS.

3.02 OUTLET BOXES

A. SELECT BOXES ACCORDING TO INTENDED USE AND TYPE OF OUTLET. CEILING OUTLET BOXES SHALL BE 4" OCTAGON AND 1/2" DEEP. USE 2-1/8" DEEP OCTAGON BOXES OR 4" SQUARE BOXES REQUIRED. ALL CEILING OUTLET BOXES SHALL HAVE A FIXTURE STUD OF NO BOLT SELF-LOCKING TYPE INSTALLED IF REQUIRED TO HANG THE FIXTURE SPECIFIED AT THE OUTLET.

3.03 JUNCTION BOXES

A. JUNCTION BOXES SHALL BE SIZED ACCORDING TO NUMBER OF CONDUCTORS IN BOX OR TYPE OF SERVICE TO BE PROVIDED. MINIMUM JUNCTION BOX SIZE 4-1/16" SQUARE AND 2-1/8" DEEP. PROVIDE SCREW COVERS FOR JUNCTION BOXES.
 B. USE CODE GAUGE STEEL WITH SCREW COVERS FOR PULL BOXES WITH PRIME COAT AND PROVIDE WITH SCREW COVER. SIZE PULL BOXES ACCORDING TO THE NEC.
 C. PROVIDE PULL BOX EVERY 100' OF CONDUIT RUN OR WHERE EXCESSIVE NUMBER OF BENDS NECESSITATES A BOX FOR EASE OF WIRE INSTALLATION.

SECTION 16141 - WIRING DEVICES AND PLATES

PART 1 - PRODUCTS

1.01 WALL SWITCHES

A. SHALL BE PURCHASED FROM THE NATIONAL ACCOUNTS PROVIDER INDICATED ON THE PLANS.
 B. RATINGS: 20 AMPS, 120/277 VOLTS A.C. OR AS IDENTIFIED ON DRAWINGS.
 C. DEVICES: (COOPER CATALOG NUMBERS ARE LISTED UNLESS NOTED OTHERWISE)
 1. SINGLE POLE TOGGLE SWITCHES:
 20 AMP IVORY DEVICE - #2221-IV
 20 AMP PILOT LIGHTS ILLUMINATED WITH LOAD ON - #2221-PL
 2. DOUBLE POLE TOGGLE SWITCHES: 20 AMP IVORY DEVICE - #2222-1

1.02 RECEPTACLES

A. SHALL BE PURCHASED FROM THE NATIONAL ACCOUNTS PROVIDER INDICATED ON THE PLANS.
 B. DEVICES: (COOPER CATALOG NUMBERS ARE LISTED UNLESS OTHERWISE NOTED)
 1. SPECIFICATION GRADE DEVICES (GREY IN PUBLIC DINING, OTHERWISE IVORY) TO BE 20 AMP, 125 VOLTS, A.C. RECEPTACLES:
 SINGLE DEVICE: #5361-V
 DUPLEX DEVICE: #CR20-1, CR20-GY
 ISOLATED GROUND DUPLEX DEVICE: #5362-RN (ORANGED)
 GF (GROUND-FAULT CIRCUIT INTERRUPTER) DUPLEX DEVICE: #GF20-V

1.03 SPECIAL DEVICES

A. MANUAL MOTOR STARTER SWITCH: SQ. D CLASS 250, TYPE F, FOR USE ON MOTORS UP TO 3/4 HORSEPOWER. PROVIDE NEMA 1 ENCLOSURE IN DRY LOCATIONS, PROVIDE NEMA 3R ENCLOSURE IN WET OR EXTERIOR LOCATIONS.

1.04 WALL PLATES

A. PROVIDE COOPER, OR APPROVED EQUAL, SMOOTH SATIN STAINLESS STEEL 302-SS SERIES FOR SWITCHES AND RECEPTACLES.
 B. PROVIDE BLANK PLATES ON ALL OUTLET BOXES FOR FUTURE OUTLETS, OR OUTLETS WITHOUT DEVICES. PLATE STYLE SHALL MATCH DEVICE PLATES.
 C. PROVIDE DIE CAST ALUMINUM WP-SERIES WEATHERPROOF PLATE FOR DUPLEX GF RECEPTACLES LOCATED OUTSIDE OR IN WET LOCATIONS.
 D. WHERE DEVICES ARE INSTALLED IN EXPOSED BOXES OR CONDUIT FITTINGS, PROVIDE PROPERLY DESIGNED PLATES AND COVERS EQUAL TO ARROWHART RS-SERIES EXPOSED WORK COVERS.
 E. INSTALL GALVANIZED STEEL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS, ABOVE ACCESSIBLE CEILING, AND ON SURFACE-MOUNTED BOXES.

PART 2 - EXECUTION

2.01 INSTALLATION

A. MOUNTING

1. MOUNT SWITCHES AND RECEPTACLES AT HEIGHT ABOVE FINISHED FLOOR AS INDICATED ON PLANS, AND LEGEND.
 2. MOUNT SWITCHES ON STRIKE SIDE OF DOOR MAXIMUM 6" FROM DOOR FRAME. OUTLET BOX FOR SWITCH SHALL BE LOCATED CLEAR OF DOOR FRAME. COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
 3. INSTALL SWITCHES WITH OFF POSITION DOWN.
 4. DO NOT USE THE FEED THRU FEATURE FOR THE GF TYPE RECEPTACLE, UNLESS REQUIRED BY THE PLANS.
 5. USE JUMBO SIZED PLATES FOR OUTLETS INSTALLED IN MASONRY WALLS.
 6. EACH RECEPTACLE SHALL BE PROVIDED WITH A #12 GREEN GROUNDING JUMPER BETWEEN THE GROUND TERMINAL OF THE RECEPTACLE AND THE OUTLET BOX.
 7. THE GROUNDING CONDUCTOR TO EACH RECEPTACLE SHALL BE INSTALLED SUCH THAT THE REMOVAL OF THE DEVICE WILL NOT INTERFERE WITH THE CONTINUITY OF THE GROUND.
 B. TESTING
 1. TEST EACH SWITCH AND VERIFY PROPER OPERATION WITH ENERGIZED CIRCUIT.
 2. TEST EACH RECEPTACLE FOR PROPER POLARITY ON ENERGIZED CIRCUIT.
 3. TEST EACH GF RECEPTACLE WITH A GF RECEPTACLE TESTER AND VERIFY CIRCUIT IS OPENED BY GF DEVICE AT AMPERE RANGES ESTABLISHED BY THE MANUFACTURER.

SECTION 16170 - GROUNDING AND BONDING

PART 1 - PRODUCTS

1.01 GROUNDING CONDUCTOR (WIRE)

A. MATERIAL: STRANDED COPPER, SIZED TO MEET NFPA 70, ARTICLE 250 REQUIREMENTS.

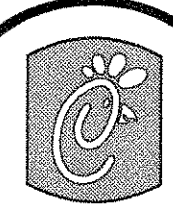
PART 2 - EXECUTION

2.01 INSTALLATION

A. PROVIDE BONDING TO MEET REGULATORY REQUIREMENTS.
 B. BOND TOGETHER EACH METALLIC RACEWAY, PIPE, DUCT AND OTHER METAL OBJECTS.
 C. PROVIDE ISOLATED GROUNDING CONDUCTOR FOR CIRCUITS SUPPLYING ALL ISOLATED GROUND OUTLETS. INSULATION SHALL BE GREEN WITH YELLOW STRIPE. SIZE PER NEC TABLE 250.95. THIS ISOLATED GROUNDING CONDUCTOR SHALL RUN IN ADDITION TO EQUIPMENT GROUNDING CONDUCTOR AND ALONG WITH THE BRANCH CIRCUIT CONDUCTORS.
2.02 GROUNDING
 A. GROUND ELECTRICAL SYSTEM IN ACCORDANCE WITH ARTICLE 250, NATIONAL ELECTRICAL CODE, AND LOCAL AUTHORITIES HAVING JURISDICTION.
 B. INSTALL A GREEN EQUIPMENT GROUNDING CONDUCTOR IN EACH RACEWAY, SIZED PER NEC TABLE 250-122. TERMINATE ON EQUIPMENT GROUND BUS WITHIN PANELBOARD SERVING LOAD.
 C. INSTALL #6 AWG COPPER GROUNDING CONDUCTOR FROM GROUND BAR IN MAIN TELEPHONE BOX TO GROUND NEUTRAL BUS IN MAIN DISTRIBUTION PANEL.
 D. ALL SEPARATE GROUNDING ELECTRODE CONDUCTORS SHALL BE BONDED TOGETHER TO LIMIT POTENTIAL DIFFERENCES BETWEEN THEM AND BETWEEN THEIR ASSOCIATED WIRING SYSTEMS. THIS INCLUDES THE POWER SYSTEM, TELEPHONE SYSTEM, ETC.

2.03 FIELD QUALITY CONTROL

A. INSPECT GROUNDING AND BONDING SYSTEM CONDUCTORS AND CONNECTIONS FOR TIGHTNESS AND PROPER INSTALLATION.



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Revisions:
 Mark Date By
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SHEET TITLE
 Electrical
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DWG. EDITION: 01.0

Job No. : CFM0710
 Store : 0945
 Date : 2/16/07
 Drawn By : DB
 Checked By : MK

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1 ELECTRICAL SPECIFICATIONS (CONTINUED)

SECTION 16190 - SUPPORTING DEVICES AND HANGERS

PART 1 - PRODUCTS

1.01 ACCEPTABLE MANUFACTURERS

- A. SUPPORTING DEVICES AND HANGERS SHALL BE MANUFACTURED BY RAYCO FASTENERS.

PART 2 - EXECUTION

2.01 INSTALLATION

- B. SECURE CONDUITS TO WITHIN 3' OF EACH OUTLET BOX, JUNCTION BOX, CABINET, FITTING, ETC., AND AT INTERVALS NOT TO EXCEED TEN FEET (10') AND IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. IN SEISMIC ZONES, SUPPORT CONDUITS 1' AND UNDER AT 6' INTERVALS.
- C. INSTALL CLAMPS SECURED TO STRUCTURE FOR FEEDER AND OTHER CONDUITS ROUTED AGAINST THE STRUCTURE. USE DROP RODS AND HANGERS OR RACKS TO SUPPORT CONDUITS RUN APART FROM THE STRUCTURE.
- D. PROVIDE AND INSTALL SUITABLE ANGLE IRON, CHANNEL IRON OR STEEL METAL FRAMING WITH ACCESSORIES TO SUPPORT OR BRACE ELECTRICAL EQUIPMENT INCLUDING SAFETY SWITCHES, FIXTURES, PANELBOARDS, ETC.
- E. USE OF CHAINS, PERFORATED IRON, BALING WIRE, OR THE WIRE FOR SUPPORTING CONDUIT RUNS IS NOT PERMITTED.
- F. FOR SUPPORT OF LOW VOLTAGE WIRING NOT REQUIRED TO BE IN CONDUIT, BUNDLE CABLES TOGETHER IN A NEAT MANNER USING APPROVED NYLON TIE WRAPS. BUNDLED CABLES SHALL BE SUPPORTED WITH 'J' HOOKS OR TELEPHONE TYPE BRIDLE RINGS, A MINIMUM OF 6 FEET ON CENTERS. CLEARLY IDENTIFY ALL DIFFERING TYPES OF CABLES BEING RUN AND TAG WITH TAPE TAGS REGARDING TELEPHONE, PAR, MUSIC/COMMUNICATION, SECURITY, ETC. FOR VARIOUS SYSTEM UTILIZING SAID CABLE. IDENTIFICATION TAPE SHALL BE PROVIDED AT MINIMUM INTERVALS OF 25 FEET ON CENTER AND WITHIN EACH BRANCH SYSTEM OF SUPPORTING DEVICES AND HANGERS TO INSURE SECURE SUPPORT OR BRACING FOR CONDUIT, ELECTRICAL EQUIPMENT, INCLUDING SAFETY SWITCHES, FIXTURES, PANELBOARDS, OUTLET BOXES, JUNCTION BOXES, CABINETS, ETC.

SECTION 16441 - ENCLOSED SWITCHES

PART 1 - PRODUCTS

1.01 MANUFACTURERS

- A. SQUARE D.
- B. GENERAL ELECTRIC.
- C. CUTLER-HAMMER.

1.02 ENCLOSED SWITCHES

- A. NON-FUSIBLE SWITCH ASSEMBLIES: NEMA KS 1, TYPE GENERAL DUTY FOR 208 VOLT LOAD INTERRUPTER ENCLOSED KNIFE SWITCH WITH EXTERNALLY OPERABLE HANDLE INTERLOCKED TO PREVENT OPENING FRONT COVER WITH SWITCH IN ON POSITION. HANDLE LOCKABLE IN OFF POSITION. PROVIDE EQUIPMENT GROUND LUG IN EACH SWITCH.
- B. ENCLOSURES: NEMA KS 1.
 - INTERIOR DRY LOCATIONS: TYPE 1.
 - EXTERIOR LOCATIONS: TYPE 3R.

SECTION 16470 - PANELBOARDS

PART 1 - PRODUCTS

1.01 MANUFACTURER

- A. SUNCOAST ENVIRONMENTAL CONTROLS (THRU A NATIONAL ACCOUNT PROGRAM)

1.02 PANELBOARD FEATURES

- A. PANELBOARDS SHALL HAVE A MINIMUM SYMMETRICAL INTERRUPTING RATING TO MEET OR EXCEED THE AVAILABLE SYMMETRICAL INTERRUPTING FAULT CURRENT AT THE DEVICE INTENDED TO INTERRUPT CURRENT.
- B. BUS BARS SHALL BE COPPER OR TIN PLATED ALUMINUM.
- C. PROVIDE FACTORY-INSTALLED COPPER GROUND BUS IN EACH PANELBOARD WITH LUGS OR CONNECTORS ON BAR.
- D. PROVIDE ELECTRICALLY ISOLATED, FACTORY INSTALLED, NEUTRAL BUS IN EACH 3 PHASE, 4 WIRE OR 1 PHASE 3 WIRE PANELBOARD.
- E. IN ADDITION TO THE GROUND BUS REQUIRED BY PARAGRAPH 1.02, PROVIDE FACTORY INSTALLED, ELECTRICALLY ISOLATED, COPPER GROUND BUS IN EACH PANELBOARD SERVING ISOLATED GROUND RECEPTACLES.
- F. MAIN LUGS AND MAIN CIRCUIT BREAKER LUGS SHALL BE UL LISTED FOR USE WITH BOTH ALUMINUM AND COPPER CONDUCTORS.
- G. PROVIDE PANELBOARD DOORS WITH CHROME-PLATED LOCKS AND CATCHES. ALL LOCKS SHALL BE KEYPAD ALIKE. PROVIDE TWO KEYS FOR EACH LOCK.
- H. PROVIDE THERMAL-MAGNETIC CIRCUIT BREAKERS WHICH ARE RATED FOR 40 DEGREES C AMBIENT TEMPERATURE. BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK TYPE TRIP WITH TRIP INDICATION SHOWN BY HANDLE POSITION OTHER THAN ON OR OFF. MULTIPLE BREAKERS SHALL HAVE A COMMON TRIP HANDLE. TANDEM TYPE CIRCUIT BREAKERS SHALL NOT BE PERMITTED.
- I. PROVIDE TYPED DIRECTORY CARD WITH CLEAR HOLDER FOR EACH PANELBOARD.

PART 2 - EXECUTION

2.01 INSTALLATION

- A. PANELBOARDS SHALL BE MOUNTED AT HEIGHT ABOVE FINISHED FLOOR SUCH THAT THE HEIGHT OF THE TOP-MOST BREAKER IN THE PANEL IS NOT MORE THAN 6-1/2 FEET ABOVE FINISHED FLOOR IN ITS HIGHEST POSITION PER THE NEC.
- B. WHERE MULTIPLE PANELBOARDS ARE INSTALLED ON WALLS IN COMMON AREAS OF BUILDINGS, THE PANELBOARDS SHALL BE INSTALLED WITH THE TOP OF ALL PANELBOARDS AT THE SAME HEIGHT.
- C. PROVIDE BLANK FILLER PLATES OVER ALL UNUSED SPACES IN PANELBOARDS.
- D. A TYPED DIRECTORY CARD SHALL INDICATE DEVICES BEING SERVED AND THE SPACE NAME WHERE THE DEVICE IS LOCATED.
- E. PROVIDE MINIMUM OF ONE (1) 3/4" EMPTY SPARE CONDUIT FOR EVERY 3 POLES OF SPARE BREAKER OR SPACE IN THE PANELBOARD. STUB CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE. LABEL CONDUIT AS SPARE AT PANELBOARD AND TERMINATION POINT.
- F. NON-ISOLATED GROUND BARS SHALL BE GROUNDED TO PANELBOARD CAN AND MAIN SERVICE ENTRANCE GROUND BUS WITH A CODE SIZED GROUNDING CONDUCTOR INSTALLED IN THE SAME CONDUIT AS THE PHASE AND NEUTRAL CONDUCTORS.
- G. CIRCUITS USING A COMMON NEUTRAL SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- H. INSPECT EACH PANELBOARD FOR PROPER INSTALLATION, PHYSICAL DAMAGE, TIGHTNESS AND INSTALLATION OF OVERCURRENT DEVICES, VERIFY PROPER COLOR CODING OF CONDUCTORS, CORRECT OR REPAIR ALL ITEMS FOUND IN INSPECTION.
- I. NEUTRAL WIRES, GROUND WIRES, AND ISOLATED GROUND WIRES SHALL BE CONNECTED TO THE APPROPRIATE PANEL BUS BAR. DO NOT MIX BUS WIRE CONNECTIONS.

SECTION 16500 - LIGHTING FIXTURES

PART 1 - GENERAL

1.01 ACCEPTABLE MANUFACTURERS

- A. AS INDICATED ON LIGHTING FIXTURE SCHEDULE, ALL FIXTURES TO BE PURCHASED FROM LIGHTING ASSOCIATES THRU A NATIONAL ACCOUNT.
- B. BALLASTS TO BE ADVANCE MARK III ENERGY SAVING ELECTROMAGNETIC BALLAST OR EQUAL BY:
 - JEFFERSON
 - UNIVERSAL
- C. LAMPS
 - OSRAM-SYLVANIA
 - NORTH AMERICAN PHILIPS
 - GENERAL ELECTRIC

1.02 FIXTURE REQUIREMENTS

- A. PROVIDE REGULATING, HPF BALLASTS IN ALL HID LIGHTING FIXTURES. HID LAMP TYPES SHALL BE AS SHOWN IN PHOTOMETRIC TEST DATA.
- B. PROVIDE CLASS 'P' UL LABELED, HPF, ENERGY SAVING BALLASTS IN ALL FLUORESCENT LIGHTING FIXTURES. RECESSED FLUORESCENT LIGHTING FIXTURE BALLASTS SHALL BE PROVIDED WITH INTEGRAL THERMAL PROTECTION.
- C. PROVIDE RAPID START LAMPS FOR ALL FLUORESCENT FIXTURES.
- D. ALL LAMPS AND BALLASTS SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NATIONAL ENERGY POLICY ACT OF 1992.
- E. ALL COMPONENTS OF RECESSED FIXTURES SHALL BE ACCESSIBLE WITHOUT DISTURBING FIXTURE IN OR ON CEILING.
- F. ENERGY SAVING BALLASTS AND ENERGY SAVING LAMPS PROVIDED SHALL BE COMPATIBLE FOR OPERATION TOGETHER.
- G. EXTERIOR FIXTURES AND POLES SHALL BE SUITABLE FOR EXTERIOR USE, SHALL BE UL LISTED, AND SHALL BE A STANDARD DESIGN FOR EXTERIOR APPLICATION.
- H. EXTERIOR POLES FOR FIXTURES WITH LUMINAIRES INSTALLED SHALL BE DESIGNED FOR MAXIMUM CONSTANT VELOCITY WIND LOAD WITH LUMINAIRES INSTALLED, APPLICABLE TO THE GEOGRAPHIC AREA.

1.03 CONTROLS

- A. LIGHTING CONTACTORS SHALL BE CUTLER-HAMMER OR TYPES AND QUANTITY SHOWN ON DRAWINGS, EXCEPT THOSE FURNISHED WITH THE SWITCHGEAR AS PART OF THE NATIONAL ACCOUNT PROGRAM BY SUNCOST ENVIRONMENTAL CONTROLS.

1.04 EMERGENCY LIGHTING UNITS

- A. BATTERIES SHALL SUPPLY EMERGENCY POWER FOR LIGHTING WITH MINIMUM OPERATING TIME OF 1/2 HOURS.
- B. EMERGENCY LIGHTING SHALL BE AUTOMATICALLY OPERATIONAL UPON NORMAL UTILITY POWER FAILURE.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. LIGHTING FIXTURES SHALL BE STRUCTURALLY SUPPORTED, FLUORESCENT FIXTURES MOUNTED IN DROPPED CEILING SHALL BE SUPPORTED BY AND ATTACHED TO CEILING SYSTEM AS REQUIRED BY NEC 410-16(C). IN ADDITION, FLUORESCENT TROFFERS SHALL BE SUPPORTED AT TWO OPPOSITE CORNERS TO BUILDING STRUCTURE.
- B. RECESSED FIXTURES IN DROPPED CEILING AREAS SHALL BE CONNECTED TO POWER SOURCE USING FLEXIBLE CONDUIT. FLEXIBLE CONDUIT SHALL CONTAIN A SEPARATE INSULATED GREEN NO. 12 COPPER GROUND WIRE. FLEXIBLE CONDUIT SHALL BE CONNECTED TO JUNCTION BOX AND FIXTURE. GREEN GROUND WIRE SHALL PROVIDE GROUND CONTINUITY BETWEEN CONDUIT SYSTEM AND FIXTURE. GROUNDING CONDUCTORS SHALL BE PERMANENTLY AND MECHANICALLY CONNECTED BETWEEN FIXTURE AND CONDUIT SYSTEM SO AS TO BE ELECTRICALLY CONTINUOUS.
- C. FIXTURES SURFACE MOUNTED ON EXPOSED TEE BAR CEILING SHALL USE GRIP CLAMPS ON TEE BARS TO SUPPORT FIXTURES.
- D. LOCATE NO SPLICE OR TAP WITHIN AN ARM, POST, OR POLE. WIRE SHALL BE CONTINUOUS FROM SPLICE IN OUTLET BOX OF BUILDING WIRING SYSTEM TO LAMP SOCKET OR BALLAST TERMINALS.
- E. MAINTAIN THE INTEGRITY OF ENCLOSURES ON ENCLOSED AND GASKETED FIXTURES. MINIMIZE THE NUMBER OF ENCLOSURE PENETRATIONS AND MAKE SUCH PENETRATIONS WATER AND DUST TIGHT WITH APPROPRIATE GASKETS AND FITTINGS.
- F. CONCRETE BASES SHALL BE PROVIDED FOR ALL EXTERIOR GROUND MOUNTED OR POLE MOUNTED FIXTURES.
- G. INSTALL ACCESSORIES FURNISHED WITH EACH FIXTURE.
- H. WIRING FROM POLE BASES TO POLE MOUNTED LUMINAIRE SHALL BE NO. 12 WITH FUSE PROTECTION BY A 30 AMP, 600 VOLT WATERPROOF FUSE-HOLDER WITH BUSSMAN LIMTRON FUSE OF AMPERE RATINGS 3 TIMES THE LOAD CURRENT.
- I. SURFACE AND RECESSED FIXTURES ON OR IN PLASTERED OR DRYWALL CEILING SHALL BE SUPPORTED BY SUPPORT CHANNELS. SUPPORT CHANNELS SHALL SPAN ACROSS MAIN SUPPORT CHANNELS AND SHALL NOT DEPEND UPON CEILING FOR SUPPORT.

3.02 FIELD QUALITY CONTROL

- A. RELAMP FIXTURES THAT HAVE FAILED LAMPS AT SUBSTANTIAL COMPLETION.

CLOSE OUT DOCUMENT REQUIREMENTS

PROVIDE THE FOLLOWING TO THE BUILDING OWNER UPON COMPLETION OF CONSTRUCTION:

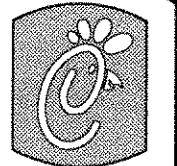
- SUBMITTAL DATA STATING EQUIPMENT RATINGS AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
- OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
- NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.

2 ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MTG HT AFF TO CL	SYMBOL	DESCRIPTION	MTG HT AFF TO CL
LIGHTING FIXTURES					
	SURFACE MTD FLUORESCENT LIGHTING FIXTURE			CONDUIT INSTALLED EXPOSED	
	RECESSED FLUORESCENT LIGHTING FIXTURE			CONDUIT CONCEALED ABOVE CEILING OR IN WALL	
	SURFACE MTD, INCANDESCENT, FLUORESCENT, OR HID LIGHTING FIXTURE			CIRCUIT HOMERUN TO PANELBOARD WITH MINIMUM 2#2, 1#26, 3/4"	
	RECESSED INCANDESCENT, FLUORESCENT, OR HID LIGHTING FIXTURE			CONDUIT TURNING UP	
	WALL MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE (INCANDESCENT, FLUORESCENT, OR HID FIXTURE)	AS NOTED		CONDUIT TURNING DOWN	
	WALL MOUNTED EXIT SIGN SHADING INDICATES FACES. PROVIDE WITH CHEVRON DIRECTIONAL ARROWS WHERE INDICATED ON PLANS PROVIDED WITH BATTERY PACK	6' BELOW CEILING TO TOP		CONDUIT CONCEALED IN OR BELOW SLAB (WHERE USED) - UNDERGROUND	
	CEILING MOUNTED EXIT SIGN SHADING INDICATES FACES. PROVIDE WITH CHEVRON DIRECTIONAL ARROWS WHERE INDICATED ON PLANS PROVIDED WITH BATTERY PACK			FLEXIBLE LIGHT FIXTURE WHIP, SIX FOOT MAXIMUM LENGTH	
	COMBO EXIT WITH TWO LAMP-HEADS, SEE LIGHTING FIXTURE SCHEDULE			METAL CLAD CABLE ASSEMBLY - ONLY WHERE INDICATED ON DWGS OR SPECS	
	WALL MOUNTED EMERGENCY BATTERY PACK LIGHTING FIXTURE	AS NOTED	NOTES: FOR ALL CONDUITS, REFER TO PLANS FOR OTHER CONDUITS, REFER TO VENDOR DRAWINGS FOR CONDUIT AND WIRING REQUIREMENTS FOR LOW VOLTAGE SYSTEMS AND CONTROL WIRING.		
	CEILING MOUNTED EMERGENCY BATTERY PACK LIGHTING FIXTURE		MULTIPLE 1PH CIRCUITS MAY OCCUPY THE SAME CONDUIT IN ACCORDANCE WITH THE NEC. MAXIMUM OF THREE AND OF DIFFERENT PHASES.		
	FLUORESCENT STRIP LIGHTING FIXTURE		LOW VOLTAGE AND CONTROL WIRING SHALL BE IN SEPARATE CONDUIT FROM POWER WIRING.		
	WALLWASHER STYLE RECESSED DOWNLIGHT, AIM LIGHT TOWARD WALL		DISTRIBUTION EQUIPMENT		
	RECESSED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK			NON-FUSIBLE SAFETY SWITCH, SIZE AND TYPE AS NOTED ON PLANS (AMP/POLE/ENCLOSURE) OR ON SCHEDULE, NEMA 1 ENCLOSURE UNLESS NOTED WP FOR NEMA 3R ENCLOSURE	6'-6"
	PENDANT LIGHTING FIXTURE	AS NOTED		FUSIBLE SAFETY SWITCH, SIZE AND TYPE AS NOTED ON PLANS (AMP/POLE/ENCLOSURE) OR ON SCHEDULE, NEMA 1 ENCLOSURE UNLESS NOTED WP FOR NEMA 3R ENCLOSURE	6'-6"
	LIGHTING TRACK WITH TRACK HEADS			FLUSH MOUNTED LIGHTING PANELBOARD	6'-6"
WIRING DEVICES					
	120 VOLT DUPLEX RECEPTACLE, 20 AMPS UON	18"		SURFACE MOUNTED LIGHTING PANELBOARD	6'-6"
	120 VOLT DUPLEX AT SPECIAL MOUNTING HEIGHT, 20 AMPS UON	44" UON		TRANSFORMER, PROVIDE SECONDARY GROUNDING PER NEC	
	120 VOLT QUADRUPLEX RECEPTACLE, 20 AMPS UON	18" UON		ENCLOSED CIRCUIT BREAKER, SIZE AND TYPE AS NOTED (AMPS/POLES/ENCLOSURE) NEMA 1 ENCLOSURE IF NOT NOTED, WP/NEMA 3R	6'-6"
	120 VOLT DUPLEX AT SPECIAL MOUNTING HEIGHT, 20 AMPS UON	44"	* 6'-6" DISTANCE IS TO TOP MOST DISCONNECTING DEVICE OR HIGHEST POSITION OF OPERATING HANDLE OF DISCONNECTING DEVICE.		
	120 VOLT SIMPLEX RECEPTACLE, 20 AMPS UON	18" UON	TELEPHONE		
	SINGLE SPECIAL PURPOSE RECEPTACLE WITH VOLTS, AMPS, AND PHASE AS NOTED, NEMA CONFIGURATION AS REQUIRED BY EQUIPMENT	18" UON		TELEPHONE OUTLET	18" UON
	RECEPTACLE MOUNTED ON CORD DROP, 120 VOLT, 20 AMP, UON, OUTLET BOX FLUSH WITH CEILING			TELEPHONE OUTLET AT SPECIAL MOUNTING HEIGHT	60" UON
	SINGLE POLE TOGGLE SWITCH	48"	NOTE: EACH TELEPHONE OUTLET (FLOOR OR WALL MOUNTED) SHALL BE PROVIDED WITH A 3/4" EMPTY CONDUIT, WITH PULL WIRE, TO ACCESSIBLE CEILING SPACE.		
	DOUBLE POLE TOGGLE SWITCH	48"	CCTV / SECURITY SYSTEM		
	THREE WAY TOGGLE SWITCH	48"		CLOSED CIRCUIT TELEVISION CAMERA	
	MANUAL MOTOR STARTER SWITCH (W/NEMA 3R)	48"		SECURITY ALARM KEYPAD	
	SWITCH WITH PILOT LIGHT ON WHEN SWITCH IS ON	48"		SECURITY ALARM HOLD-UP BUTTON	
	KEY OPERATED SWITCH	48"		SECURITY SYSTEM KEY NOTE	
ABBREVIATIONS					
NOTE: RECEPTACLES ON A DEDICATED CIRCUIT (THAT IS, NO OTHER LOAD CONNECTED TO THE BRANCH CIRCUIT) SHALL HAVE AMPACITY RATING NOT LESS THAN THE AMPERAGE OF THE CIRCUIT BREAKER SERVING THE DEVICE.					
MISCELLANEOUS SYMBOLS					
	GROUND			ABOVE FINISHED FLOOR	
	MOTOR			ABOVE FINISHED GRADE	
	EXHAUST FAN MOTOR			CONDUIT	
	JUNCTION BOX			CENTER-LINE	
	CONDUIT AND WIRE MARK NUMBER, REFER TO CONDUCTORS AND CONDUIT SCHEDULE FOR SIZE			EXHAUST FAN	
	KITCHEN EQUIPMENT MARK NUMBER, REFER TO KITCHEN EQUIPMENT SCHEDULE FOR REQUIREMENTS			FULL LOAD AMPS	
	NOTE NUMBER			GROUND FAULT CIRCUIT INTERRUPTER	
	HOOD EXTINGUISHING ANSLL. PULL STATION			ISOLATED GROUND, PROVIDE ORANGE DEVICE WHEN ADJACENT TO DEVICE	
	SMOKE DETECTORS REMOTE STATUS INDICATOR W/ 1/2" CONDUIT STUB-UP			MAXIMUM OVER-CURRENT PROTECTION	
	PUSH-BUTTON			LOCALLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70)	
	BELL, TYPE AS NOTED ON PLANS			NIGHT LIGHT (ON 24 HOURS)	
	PHOTO-ELECTRIC CELL			ON CENTER	
				POINT OF SALE EQUIPMENT	
				TWIST-LOCK TYPE DEVICE	
				UNLESS OTHERWISE NOTED	
				WEATHERPROOF (NEMA 3R)	

3 GENERAL ELECTRICAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND REMOVE OR RELOCATE ANY ITEMS AS REQUIRED BY THE CONDITIONS AND THE SCOPE OF THE RENOVATION WORK.
- REFER TO THE ORIGINAL CONSTRUCTION AS-BUILT DOCUMENTS FOR FURTHER INFORMATION ABOUT THE EXISTING CONDITIONS AND THE ARRANGEMENT OF THE EXISTING ELECTRICAL SYSTEMS, DEVICES, CIRCUITS, ETC.
- THESE PLANS DO NOT INDICATE ANY DEMOLITION WORK, HOWEVER THERE WILL BE SOME DEMOLITION REQUIRED DUE TO THE EXISTING CONDITIONS AND THE LOCATION OF THE ADDITION AND THE EXTENT OF THE REMODEL OF THE KITCHEN LAYOUT AND KITCHEN EQUIPMENT.
- REFER TO THE KITCHEN EQUIPMENT DRAWINGS FOR FURTHER INFORMATION ABOUT THE EQUIPMENT.
- THE WIRE AND CONDUIT SIZES ARE NOT INDICATED FOR EACH CIRCUIT. REFER TO THE CONDUIT AND CONDUCTOR SCHEDULE ON THIS SHEET FOR THE REQUIREMENTS BASED ON THE OCP DEVICE.
- COORDINATE WITH THE OWNER'S CONSTRUCTION MANAGER ABOUT THE EXISTING SITE LIGHTING AND IF ANY REPLACEMENTS OF ADDITIONAL LIGHTS/POLE ARE REQUIRED.



Chris Miller

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By

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Mark Date By

△

Mark Date By

△

Seal

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STORE

Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
Electrical
Specifications
and Legend

DWG EDITION 01.0

Job No. : CFM0710

Store : 0945

Date : 2/16/07

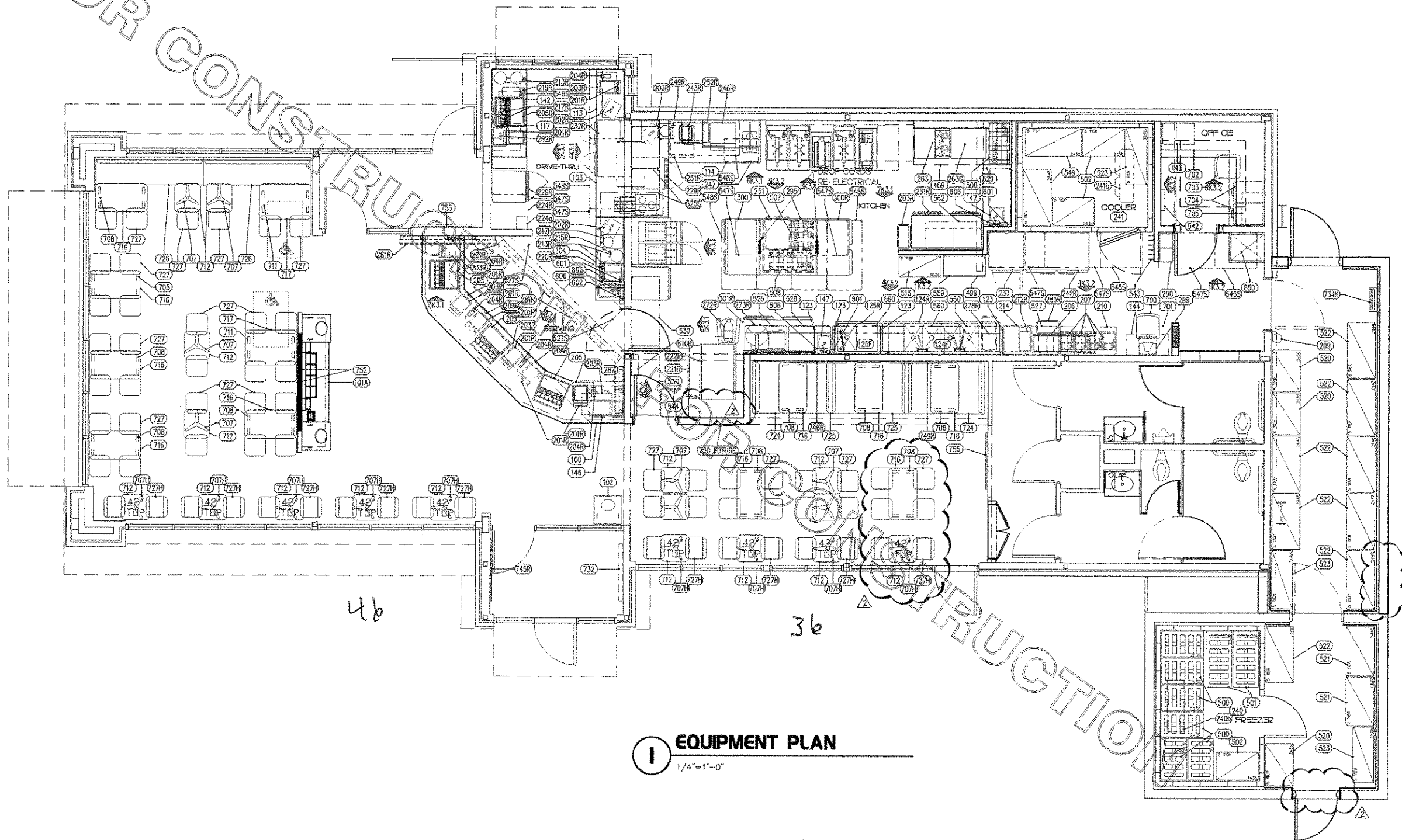
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Checked By : MK

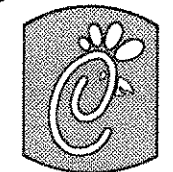
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ES.2

FOR CONSTRUCTION



I EQUIPMENT PLAN
1/4"=1'-0"



Crabtree

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark Date By
1 3/20/07 TR

OWNER CHANGES

Mark Date By
2 5/14/07 TR

OWNER CHANGES

Mark Date By

Seal

MC
MCKENZIE
CONSULTING
KITCHEN DESIGN
AND DRAFTING
181 FAIRWAY DRIVE
NEWNAN, GA 30265
404-684-8969

STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
**EQUIPMENT
PLAN**

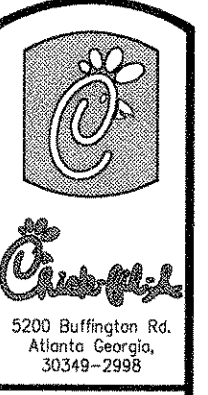
K EDITION S06-0
BID SET ED. #1
DWG EDITION 01.0

Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : TAM
Checked By: TAM

Sheet

K-II

ITEM NO.	QUANTITY	DESCRIPTION OF EQUIPMENT	MANUFACTURER	MECHANICAL											ITEM NO.	REMARKS (ALL ITEMS BY CHICK-FIL-A UNLESS OTHERWISE NOTED)
				ELECTRICAL					PLUMBING							
				VOLT	PH	KW	AMP	HP	NEMA RATNG	NW	CW	PW	FW	PW2		
100	1	SERVING COUNTER	CLAYTON FIXTURE												100	ON CONCRETE CURB BY GC - SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
101A	1	CONDIMENT COUNTER - 116" UNIT	CLAYTON FIXTURE												101A	ON CONCRETE CURB BY GC - SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
101B	-	ITEM NOT USED														
102	1	TRASH RECEPTACLE	CLAYTON FIXTURE												102	VERIFY QUANTITY WITH CHICK-FIL-A CM - SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
103	1	ORDER PREP TABLE	CLAYTON FIXTURE												103	VERIFY WITH CHICK-FIL-A CM IF EXISTING UNIT TO BE REPLACED - IF SO SEE SHOP DRAWINGS
104	1	BACK BAR CABINET	CLAYTON FIXTURE												104	VERIFY WITH CHICK-FIL-A CM IF EXISTING UNIT TO BE REPLACED - IF SO SEE SHOP DRAWINGS
113	1	DRIVE-THRU CASH TABLE	CLAYTON FIXTURE												113	VERIFY WITH CHICK-FIL-A CM IF EXISTING UNIT TO BE REPLACED - IF SO SEE SHOP DRAWINGS
114	1	SANDWICH PREP TABLE	CLAYTON FIXTURE												114	VERIFY WITH CHICK-FIL-A CM IF EXISTING UNIT TO BE REPLACED - IF SO SEE SHOP DRAWINGS
117	1	DRIVE-THRU COUNTER	CLAYTON FIXTURE												117	ON CONCRETE CURB BY GC - SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
123	1	WALL MOUNTED SPLASH GUARD	CUSTOM STAINLESS STEEL FABRICATION												123	12" HIGH X 24" WIDE WALL MOUNTED SIDE SPLASH WITH HEMMED EDGE
124R	1	4-COMPARTMENT UTENSIL SINK	EXISTING TO BE REUSED/ RELOCATED								VER.	VER.	VER.	VERIFY	124R	
124R	1	FAUCETS FOR UTENSIL SINK	T&S BRASS - KIT MODEL #B-2495-4CPS								3/1/2"	2 1/2"	VER.	VERIFY	124R	B-0155-LN WITH WRIST HANDLES AND B-0597
125R	1	VEGETABLE PREP SINK	EXISTING TO BE REUSED/ RELOCATED								VER.	VER.	VER.	VERIFY	125R	
125R	1	FAUCETS FOR VEGETABLE PREP SINK	T&S BRASS - KIT MODEL #B-2495-4CPS								1/2"	1/2"	VER.	VERIFY	125R	B-0155-LN WITH WRIST HANDLES AND B-0592 - DO NOT INCLUDE FILTERED WATER FAUCET
142	1	DRIVE-THRU SHELF	CLAYTON FIXTURE												142	SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
143	1	SECURITY CABINET	CLAYTON FIXTURE												143	SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
144	1	TRAINING CABINET	CLAYTON FIXTURE												144	SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
146	1	SAFE SCREEN	CLAYTON FIXTURE												146	SEE CLAYTON FIXTURE SHOP DRAWINGS FOR DETAILS
147	2	HAND SINK	EAGLE MODEL #HSA-10-N												147	WITH SIDE MOUNTING BRACKETS AND T & S MODEL #B-1115-LN MOD W/ 132 X WH4
147R	-	ITEM NOT USED														
201R	8	ORDER REGISTER	EXISTING TO BE REUSED/ RELOCATED												201R	
202R	3	ORDER MONITOR	EXISTING TO BE REUSED/ RELOCATED												202R	
202A	3	WALL MOUNTED PENDANT	CUSTOM ST. STL. FABRICATION												202A	VERIFY WITH CHICK-FIL-A CM IF EXISTING ITEMS TO BE REPLACED - ITEM NOT SHOWN ON DWG
203R	7	CASH DRAWER	EXISTING TO BE REUSED/ RELOCATED												203R	
204R	5	RECEIPT PRINTER	EXISTING TO BE REUSED/ RELOCATED												204R	
205	3	ICE BIN / DRINK TOWER - 6 HEAD	IMI CORNELIUS MODEL #CB2323-AL6	120	1		1.5								205	NEMA 5-20R
205D	1	ICE BIN / DRINK TOWER - 8 HEAD	IMI CORNELIUS MODEL #CB2323-SST	120	1		1.5								205D	NEMA 5-20R
206	1	BEVERAGE RACK SYSTEM	PROFITMASTER MODEL #PB-4 STACK PLUS												206	
207	4	CARBONATOR	IMI CORNELIUS	120	1		7.2						1/2"	P-23A @ 107" A.F.F.	207	
208R	1	CO2 TANK	EXISTING TO BE REUSED/ RELOCATED												208R	TO REMAIN AT EXISTING LOCATION IN STORAGE AT TRASH ENCLOSURE - NOT SHOWN ON DRAWING
209	1	HELIUM TANK	LOCAL VENDOR												209	SECURE TO WALL WITH CHAIN
210	1	POST MOUNTED SHELF (SOLID - 24"x48")	INTERMETRO - KIT #CFA-CS-88												210	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
212R	1	TEA BREWER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.						VER.	VERIFY	212R	QUICK DISCONNECT HOSES PROVIDED BY OWNER
213R	4	TEA DISPENSER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								213R	
214	1	TIER OF DRAWERS	EAGLE GROUP MODEL #Y-TD3L-CF												214	
215R	1	SINGLE COFFEE MAKER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.						VER.	VERIFY	215R	
217R	4	COFFEE WARMER & STAND	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								217R	
219R	1	SINGLE JUICE DISPENSER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								219R	
220R	1	DOUBLE JUICE DISPENSER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								220R	
221R	1	ICE BIN	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.						VER.	VERIFY	221R	
222R	1	ICE MAKER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.						VER.	VERIFY	222R	
224R	1	ICE CREAM MACHINE	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.						VER.	VERIFY	224R	
224G	1	ICE CREAM CONE DISPENSER	TAYLOR												224G	
229R	2	SGL UNDERCOUNTER REFRIGERATOR	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								229R	
231R	1	BREADING TABLE	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								231R	
231A	2	CUSTOM REFRIGERATOR PAN SLIDES	COMPLETE RESTAURANT SERVICES												231A	PLACED IN ITEM #231 - ITEM NOT SHOWN ON DRAWING
232R	1	DOUBLE UNDERCOUNTER REFRIGERATOR	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								232R	
237	1	SGL SECTION REACH-IN REFRIGERATOR	TRAUlsen MODEL #RH132WUT-FHS	120	1		8.0								237	HINGE RIGHT
240	1	WALK-IN FREEZER	THERMO-KOOL	120	1		2.5								240	DIRECT CONNECTION EXTERIOR BOX DIMENSIONS - 11'-6" W X 7'-9" D X 9'-4" H - CENTER LINE OF DOOR IS 60" FROM LEFT EXTERIOR CORNER - HINGE LEFT
240A	1	WALK-IN FREEZER CONDENSER	THERMO-KOOL	208	3		12.5								240A	G.C. SHALL INSTALL CONDENSER ON ROOF PER DIRECTION OF CHICK-FIL-A CM
240B	1	WALK-IN FREEZER EVAPORATOR	THERMO-KOOL	208	1		9.8								240B	DIRECT CONNECTION EXTERIOR BOX DIMENSIONS - 11'-6" W X 7'-9" D X 9'-4" H - CENTER LINE OF DOOR IS 60" FROM LEFT EXTERIOR CORNER - HINGE LEFT
241	1	WALK-IN COOLER	THERMO-KOOL	120	1		2.5								241	DIRECT CONNECTION EXTERIOR BOX DIMENSIONS - 9'-8" W X 7'-9" D X 9'-3 3/4" H - CENTER LINE OF DOOR IS 29" FROM RIGHT EXTERIOR CORNER - HINGE RIGHT
241A	1	WALK-IN COOLER CONDENSER	THERMO-KOOL	208	3		5.8								241A	G.C. SHALL INSTALL CONDENSER ON ROOF PER DIRECTION OF CHICK-FIL-A CM
241B	1	WALK-IN COOLER EVAPORATOR	THERMO-KOOL	120	1		3.6								241B	DIRECT CONNECTION EXTERIOR BOX DIMENSIONS - 9'-8" W X 7'-9" D X 9'-3 3/4" H - CENTER LINE OF DOOR IS 29" FROM RIGHT EXTERIOR CORNER - HINGE RIGHT
242R	1	THAWING CABINET	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								242R	
243R	1	SANDWICH TOASTER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								243R	
246R	1	BUN WARMER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								246R	
247	1	SINGLE WARMING DRAWER	TOASTMASTER MODEL #3A80A	120	1	.45	3.91								247	
249R	1	SINGLE FOOD WARMER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								249R	
251	1	BISCUIT HOLDING CABINET	WINSTON MODEL #H4003 CVAP	120	1	2.05	17.1								251	HINGED RIGHT, ORDER WITH TWIST LOCK PLUG
251R	1	BISCUIT HOLDING CABINET	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								251R	
252R	1	HOLDING CABINET	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								252R	
263	1	RANGE/CONVECTION OVEN	LANG MODEL #SCR30GS-ACF	208	3	16.5									263	OVEN MOUNTED ON CASTERS
263G	1	RANGE/CONVECTION OVEN	LANG MODEL #SCR30GS-ACF	208	3	17.3									263G	FULL GRIDDLE TOP - OVEN MOUNTED ON CASTERS
272R	1	FLOUR MIXER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								272R	
273R	1	FOOD CUTTER	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								273R	
278R	1	INGREDIENT BIN	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								278R	
281	-	ITEM NOT USED														
281R	13	SMALL MENU BOX	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								281R	
283R	2	SLIM JM TRASH CAN	RUBBERMAID												283R	
287	1	SAFE	CORPORATE SAFE MODEL #BR2926												287	
289	1	TV/DVD	TOSHIBA MODEL #MD-13M1	120	1	.069									289	MOUNTED ON ITEM #289A
290	1	LOCKERS	WANHOLT MODEL #M-612												290	2 TIERS, 12 OPENINGS
292R	1	DRIVE-THRU VIDEO MONITOR	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								292R	
295	1	FOOD PREP TABLE	EAGLE MODEL #T4848STE												295	OPEN SIDE OF TABLE LEGS TO FACE MAIN COOK LINE
300	1	REFRIGERATED WORK TABLE	TRAUlsen MODEL #UHT48-2CF-LR	120	1	5.7									300	ELECTRICIAN TO CHANGE PLUG TO TWIST LOCK
300R	1	48" REFRIGERATED WORK TABLE	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								300R	
301R	1	60" REFRIGERATED WORK TABLE	EXISTING TO BE REUSED/ RELOCATED	VER.	VER.	VER.	VER.								301R	NEW S/S WORKTOP WITH BACK SPLASH NEEDS TO BE SUPPLIED AND INSTALLED FOR THIS UNIT
409	1	80" VENT HOOD + 3" SPACER ON RIGHT SIDE	HALTON HOODS												409	HOOD SHROUD BY VENT HOOD MANUFACTURER
499	1	FILLET WORK STATION (18"x36")	INTERMETRO												499	WITH SOLID WORK SURFACE AND WIRE SHELF ON 33" LEGS AND CASTERS
500	6	DUNNAGE RACK (22"x36")	INTERMETRO - MODEL #HP2236PDMB												500	
501	2	DUNNAGE RACK (22"x48")	INTERMETRO - MODEL #HP2248PDMB												501	
502	3	FLOOR SHELF UNIT (7' POST, 24"x36")	INTERMETRO												502	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF
507	1	DUNNAGE RACK (18"x24")	INTERMETRO - MODEL #HP31K3												507	
508	2	DUNNAGE RACK (18"x36")	INTERMETRO - MODEL #HP33K3												508	
515	1	FLOOR SHELF UNIT (7' POST, 18"x36")	INTERMETRO												515	METROSEAL - 5 SHELVES
519	-	ITEM NOT USED														
520	3	FLOOR SHELF UNIT (7' POST, 24"x36")	INTERMETRO												520	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF
521	2	FLOOR SHELF UNIT (7' POST, 24"x42")	INTERMETRO												521	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF
522	8	FLOOR SHELF UNIT (7' POST, 24"x48")	INTERMETRO												522	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF



Revisions:
 Mark Date By
 1 3/20/07 TR

OWNER CHANGES

Mark Date By
 2 5/14/07 TR

OWNER CHANGES

Mark Date By
 3

Seal



KITCHEN DESIGN AND DRAFTING
 181 FAIRWAY DRIVE
 NEWNAN, GA 30265
 404-684-8569

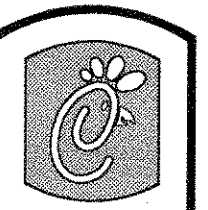
STORE
 Forest Drive FSU
 5440 Forest Dr.
 Columbia, SC
 29206

SHEET TITLE
 EQUIPMENT
 SCHEDULE

K EDITION S06-0
 BID SET ED #1
 DWG EDITION 01.0

Job No. : A07-009
 Store : 0945
 Date : 2/16/07
 Drawn By : TAM
 Checked By : TAM

Sheet
 K-2.I



Chick-fil-CO

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark Date By
3/20/07 TR

OWNER CHANGES

Mark Date By
5/14/07 TR

OWNER CHANGES

Mark Date By

Seal

MC
MCKENZIE
CONSULTING
KITCHEN DESIGN
AND DRAFTING
181 FAIRWAY DRIVE
NEWNAN, GA 30265
404-684-8569

STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
EQUIPMENT
SCHEDULE

K. EDITION S06-0
BID SET ED. #1
DWG EDITION 01.0

Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : TAM
Checked By : TAM

Sheet

K-2.2

ITEM NO.	QUANTITY	DESCRIPTION OF EQUIPMENT	MANUFACTURER	MECHANICAL													ITEM NO.	REMARKS (ALL ITEMS BY CHCK-FIL-A UNLESS OTHERWISE NOTED)	
				ELECTRICAL						PLUMBING									
				VOLT	PH	KW	AMP	HP	NEMA RATING	HW	CW	PW	FW	FW2	IW	ROUGH-IN			
523	3	FLOOR SHELF UNIT (7' POST, 18"x48")	INTERMETRO															523	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF
525	-	ITEM NOT USED																	
526S	2	OVERHEAD SHELF UNIT (24"x36")	INTERMETRO															525S	METROSEAL - SHELVING SUSPENDED FROM STRUCTURE ABOVE, REFER TO CFA-CM FOR DETAILS
527	1	POST MOUNTED SHELF (24"x48")	INTERMETRO															527	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
527S	1	OVERHEAD SHELF UNIT (24"x48")	INTERMETRO															527S	METROSEAL - SHELVING SUSPENDED FROM STRUCTURE ABOVE, REFER TO CFA-CM FOR DETAILS
528	2	POST MOUNTED SHELF (24"x36" & 18"x36")	INTERMETRO - KIT #CFA36PVM-2															528	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
528S	2	POST MOUNTED SHELF (24"x48" & 18"x48")	INTERMETRO - KIT #CFA48PVM-2															529	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
530	2	POST MOUNTED SHELF (24"x60")	INTERMETRO															530	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
542	1	KEY CABINET																542	FURNISHED BY OWNER
543	1	COAT RACK																543	FURNISHED BY OWNER
544	1	POST MOUNTED SHELF (24"x24")	INTERMETRO															544	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
545	-	ITEM NOT USED																	
545S	2	OVERHEAD SHELF UNIT (24"x36")	INTERMETRO															545S	METROSEAL - SHELVING SUSPENDED FROM STRUCTURE ABOVE, REFER TO CFA-CM FOR DETAILS
546	-	ITEM NOT USED																	
546S	-	ITEM NOT USED																	
547	-	ITEM NOT USED																	
547S	7	OVERHEAD SHELF UNIT (30"x48")	INTERMETRO															547S	METROSEAL - SHELVING SUSPENDED FROM STRUCTURE ABOVE, REFER TO CFA-CM FOR DETAILS
548	-	ITEM NOT USED																	
548S	9	OVERHEAD SHELF UNIT (30"x60")	INTERMETRO															548S	METROSEAL - SHELVING SUSPENDED FROM STRUCTURE ABOVE, REFER TO CFA-CM FOR DETAILS
549	2	FLOOR SHELF UNIT (7' POST, 24"x48")	INTERMETRO															549	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF
551	-	ITEM NOT USED																	
559	1	SMART WALL KIT	INTERMETRO (CFA-38AY36)															559	24"x36" & 18"x36" (SMART WALL) - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
560	3	SMART WALL KIT	INTERMETRO (CFA-38AY48)															560	24"x48" & 18"x48" (SMART WALL) - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
562	1	POST MOUNTED SHELF	INTERMETRO (CFA-BTV)															562	24"x24" & 24"x30" (METROSEAL) AND 18"x24" & 18"x30" (SOLID) - SEE INTERIOR ELEVATIONS
601	3	SOAP DISPENSER																601	FURNISHED BY OWNER
602	3	HAND SANITIZER																602	FURNISHED BY OWNER
606	5	PAPER TOWEL DISPENSER	SAN JAMAR															606	TWO DISPENSERS ARE FOR THE RESTROOMS - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS
610R	1	UTILITY SHELF	EXISTING TO BE REUSED/ RELOCATED															610R	
700	1	EMPLOYEE BREAK CHAIR	HON															700	
701	1	BREAK TABLE	MTY LITE MODEL #RT-2448															701	
702	1	DESK TOP	CLAYTON FIXTURE															702	
703	1	DESK CHAIR	HON															703	
704	2	FILE CABINET	HON															704	2-DRAWER
705	1	B.O.G. CABINET	CLAYTON FIXTURE															705	
707	9	TABLE BASE	FALCON															707	3" COLUMN WITH 3 FEET
707H	8	TABLE BASE FOR 42" HIGH TABLE	FALCON															707H	3" COLUMN WITH 3 FEET
708	20	TABLE BASE	FALCON															708	3" COLUMN WITH 2 FEET
709	-	ITEM NOT USED																	
709H	-	ITEM NOT USED																	
710	-	ITEM NOT USED																	
711	4	TABLE BASE	FALCON															711	3" COLUMN WITH 2 FEET WITH 10" CORNER SPIDER
712	17	22"x24" TABLE	FALCON															712	REQUIRES (1) #707 OR #707H
713	-	ITEM NOT USED																	
714	-	ITEM NOT USED																	
716	10	24"x44" TABLE	FALCON															716	REQUIRES (2) #708
717	2	30"x44" TABLE	FALCON															717	REQUIRES (2) #711
723	-	ITEM NOT USED																723	GC TO FIELD VERIFY OPENING SIZE FOR BOOTH SEATING
724	2	45" SINGLE BOOTH SEAT	FALCON															724	
725	2	45" DOUBLE BOOTH SEAT	FALCON															725	
726	2	92" (VERIFY) SINGLE BOOTH SEAT	FALCON															726	GC TO FIELD VERIFY OPENING SIZE FOR BOOTH SEATING
727	46	CHAIR	EXISTING TO BE REUSED															727	
727H	18	CHAIR FOR 42" HIGH TABLE	FALCON															727H	
731	-	ITEM NOT USED																	
732	1	COMMUNITY BULLETIN BOARD																732	
733	4	ST. STL. LID AND CUP DISPENSER																733	NOT SHOWN ON DRAWING
734K	1	FLY SYSTEM	EXISTING TO BE REUSED/ RELOCATED															734K	
745R	1	48" X 48" PHOTO PANEL - "WELCOME"	EXISTING TO BE REUSED/ RELOCATED															745R	RE: ARCHITECTURAL FOR MOUNTING HEIGHT
746R	1	48" X 48" PHOTO PANEL - "WE DIDN'T INVENT"	EXISTING TO BE REUSED/ RELOCATED															746R	RE: ARCHITECTURAL FOR MOUNTING HEIGHT
747R	-	ITEM NOT USED																	
748R	-	ITEM NOT USED																	
749R	1	48" X 48" PHOTO PANEL - "CLASSICS"	EXISTING TO BE REUSED/ RELOCATED															749R	RE: ARCHITECTURAL FOR MOUNTING HEIGHT
750	1	30" X 42" PHOTO PANEL - "NUTRITION"	TO BE PROVIDED BY OWNER AT A FUTURE DATE															750	RE: ARCHITECTURAL FOR MOUNTING HEIGHT
751	-	ITEM NOT USED																	
752	2	CUSTOM PHOTO PANEL - "DESSERT"	PROVIDED BY OWNER															752	PLACED IN ITEM #101A DISPLAY FRAME
755	1	CUSTOM LETTERING - "TRUETT QUOTE"	CLAYTON SIGNS															755	RE: ELEVATIONS FOR MOUNTING HEIGHT
756	1	CUSTOM LETTERING - "HOME OF"	CLAYTON SIGNS															756	RE: ELEVATIONS FOR MOUNTING HEIGHT
802	1	HAND SINK AT BACK COUNTER	EAGLE GROUP MODEL #SR10-14-9.5-1									1/2"	1/2"					802	T & S FAUCET WITH WRIST BLADE HANDLES MDL. #B-2389
850	1	MOP SINK	CUSTOM STAINLESS STEEL FABRICATION									1/2"	1/2"					850	

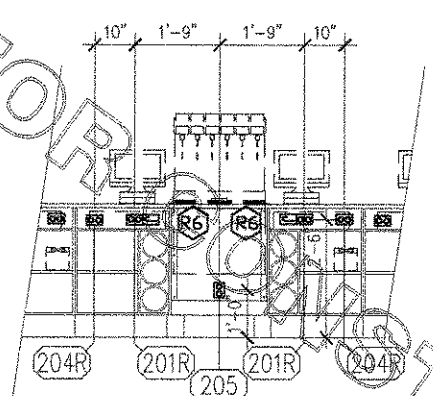
FOR CONSTRUCTION

FOR CONSTRUCTION

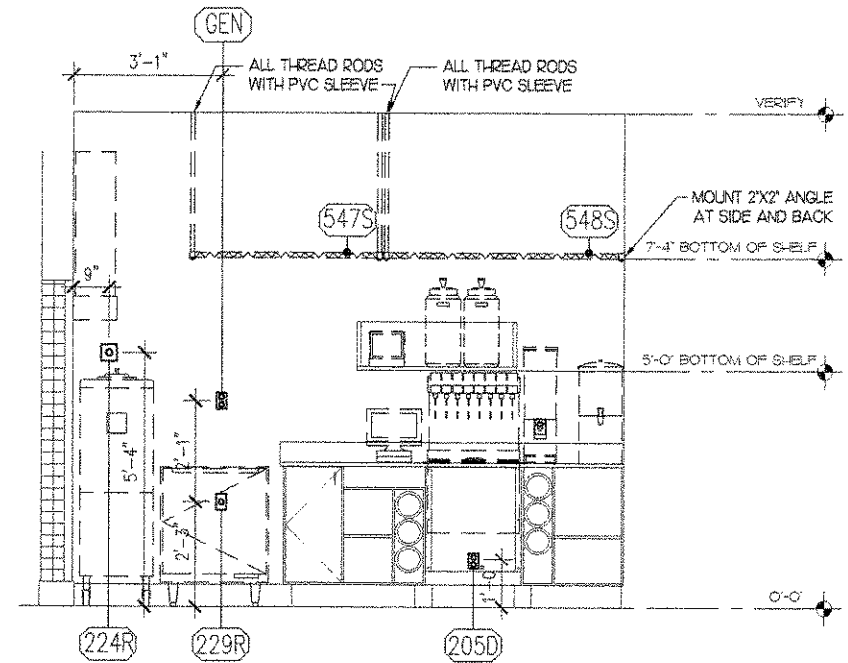
FOR CONSTRUCTION

FOR CONSTRUCTION

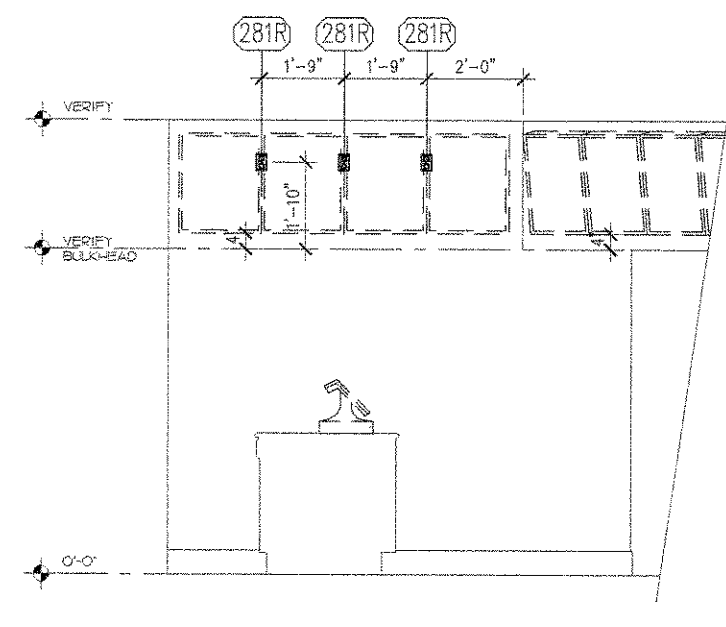
1 SERVING COUNTER ELEVATION - TYPICAL
1/2" = 1'-0"



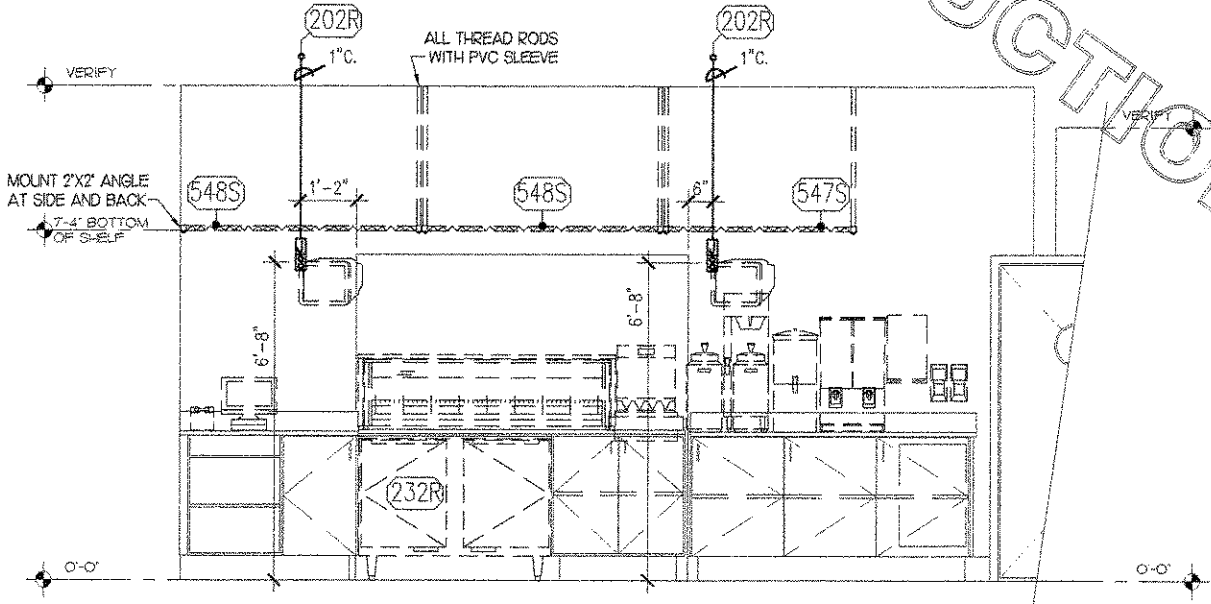
2 DRIVE-THRU AREA
1/2" = 1'-0"



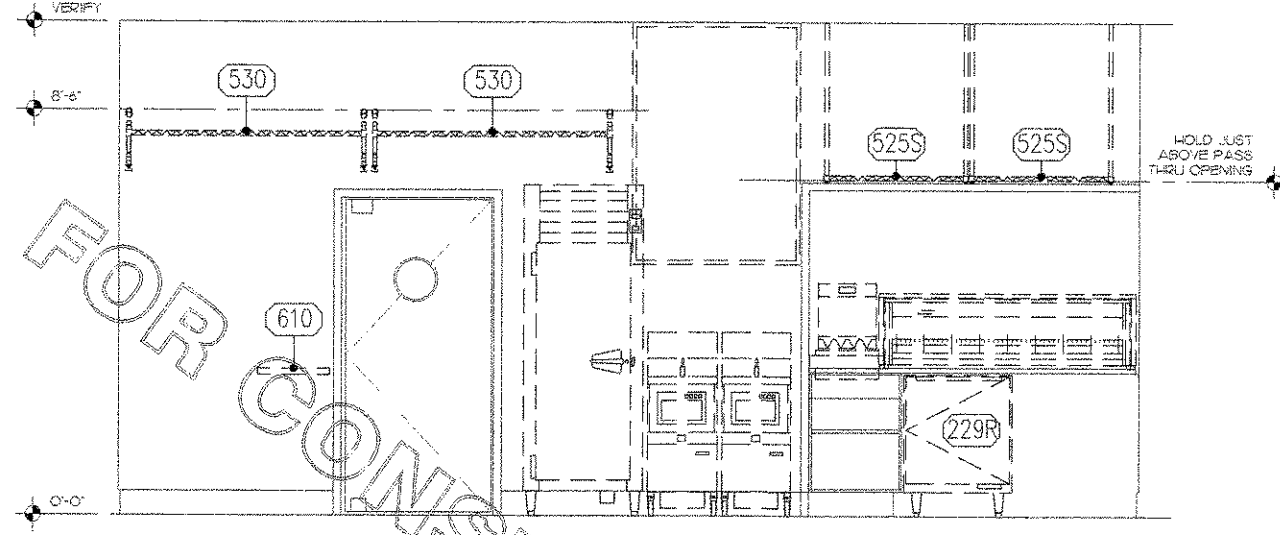
3 SERVING / DRIVE-THRU
1/2" = 1'-0"



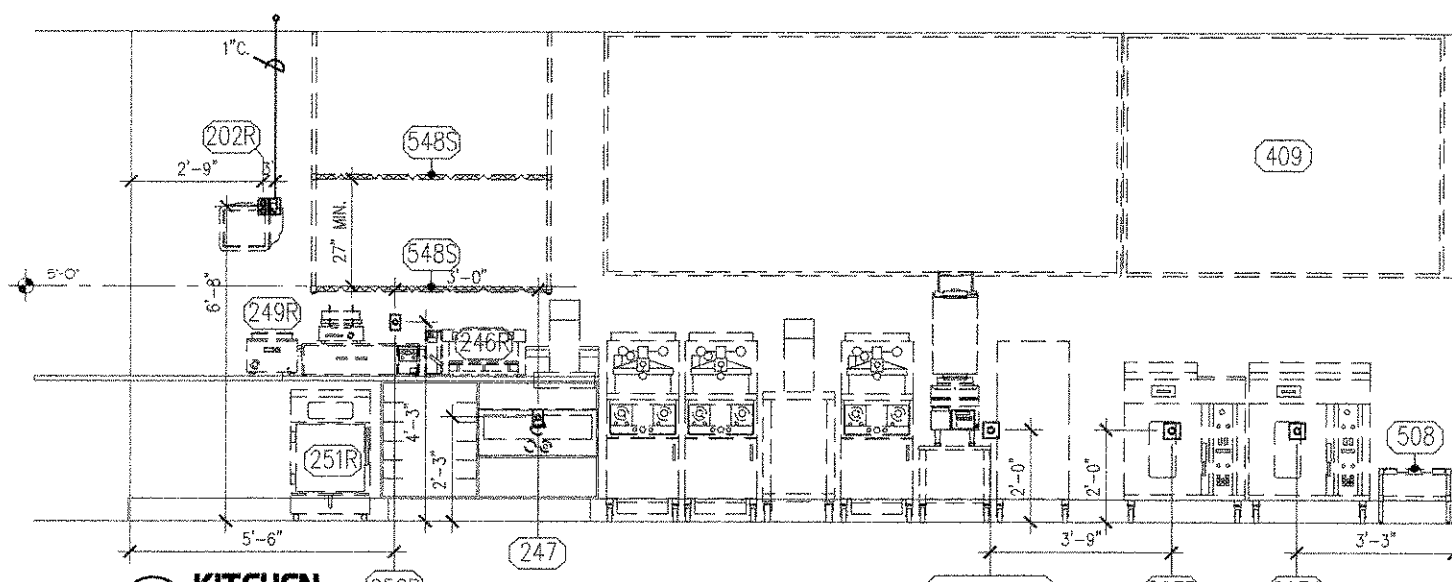
4 SERVING / DRIVE-THRU
1/2" = 1'-0"



5 KITCHEN
1/2" = 1'-0"



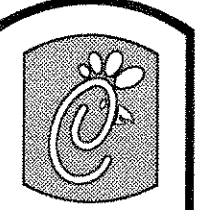
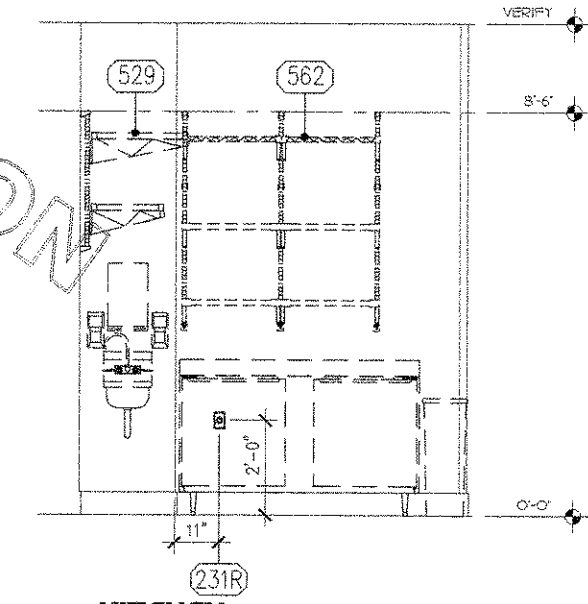
6 KITCHEN
1/2" = 1'-0"



ELEVATION LEGEND

(XXX)	EQUIPMENT NUMBER
(N2)	INDICATES NOTE ON SHEET E2
(JB)	JUNCTION BOX
(SR)	SIMPLEX RECEPTACLE
(DR)	DUPLEX RECEPTACLE
(S)	SWITCH
(P)	PHONE
(T)	TERMINATION OF PVC CONDUIT FOR RADIANT POS SYSTEM
(DDR)	DOUBLE DUPLEX RECEPTACLE
(SD)	SMOKE DETECTOR LED (2 GANG BOX)
(SK)	SECURITY KEYPAD

7 KITCHEN
1/2" = 1'-0"



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark Date By
3/20/07 TR

OWNER CHANGES

Mark Date By
5/14/07 TR

OWNER CHANGES

Mark Date By

Seal

MC
MCKENZIE
CONSULTING
KITCHEN DESIGN
AND DRAFTING
181 FAIRWAY DRIVE
NEWNAN, GA 30269
404-684-8869

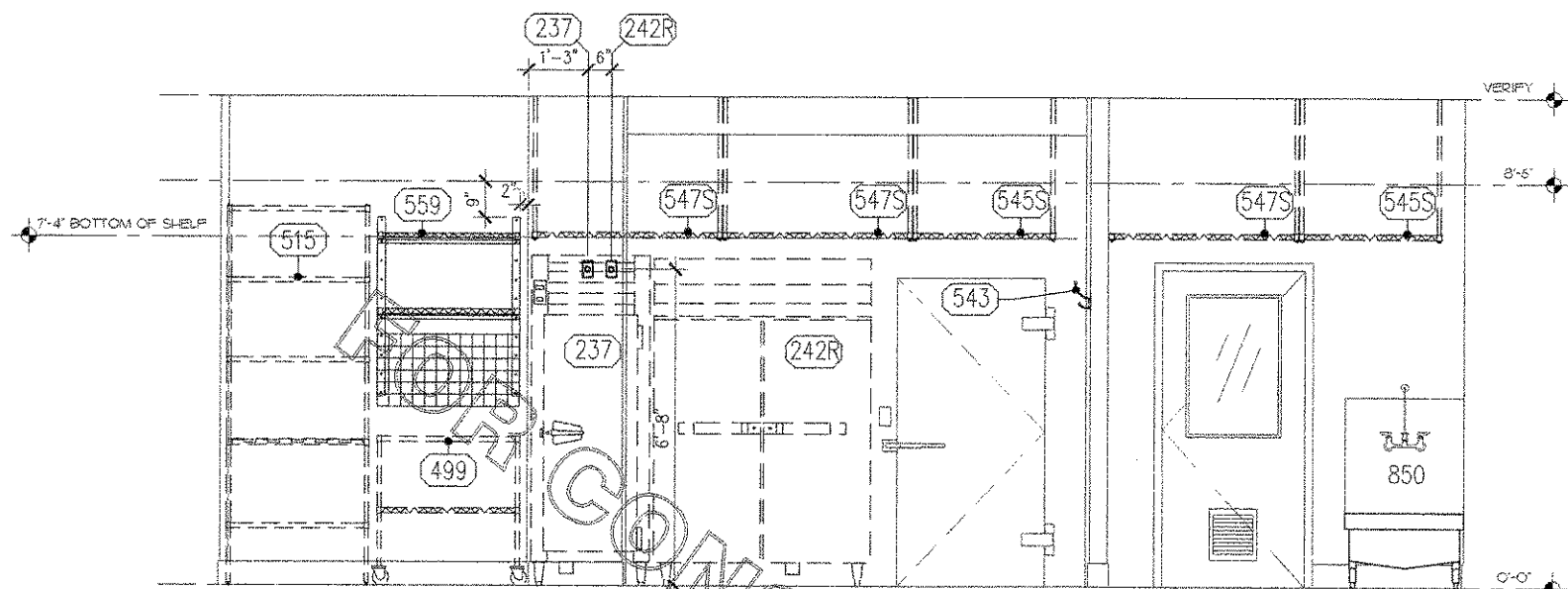
STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
ELECTRICAL
ROUGH-IN
ELEVATIONS
K EDITION S06-0
BID SET ED. #1
DWG EDITION 01.0

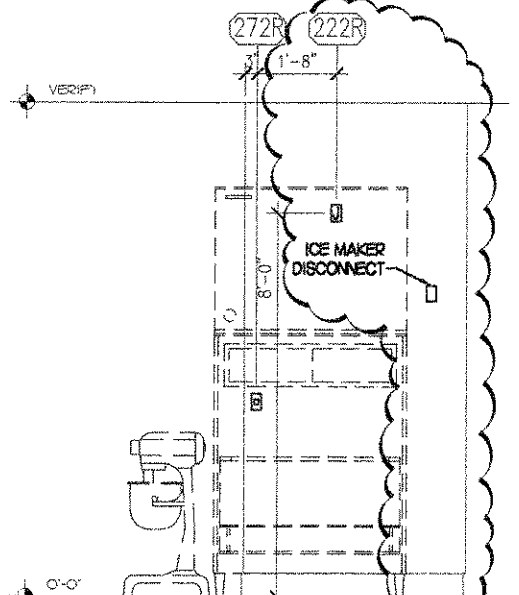
Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : TAM
Checked By : TAM

Sheet

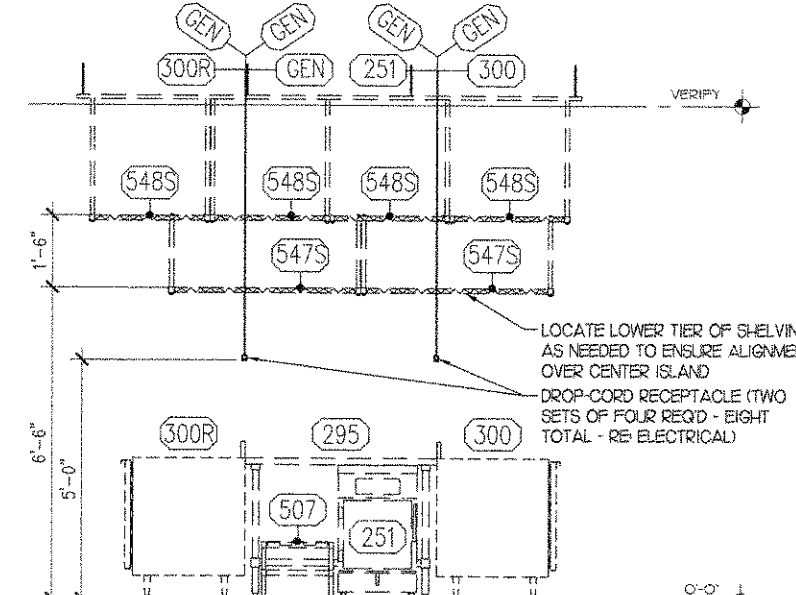
K-31



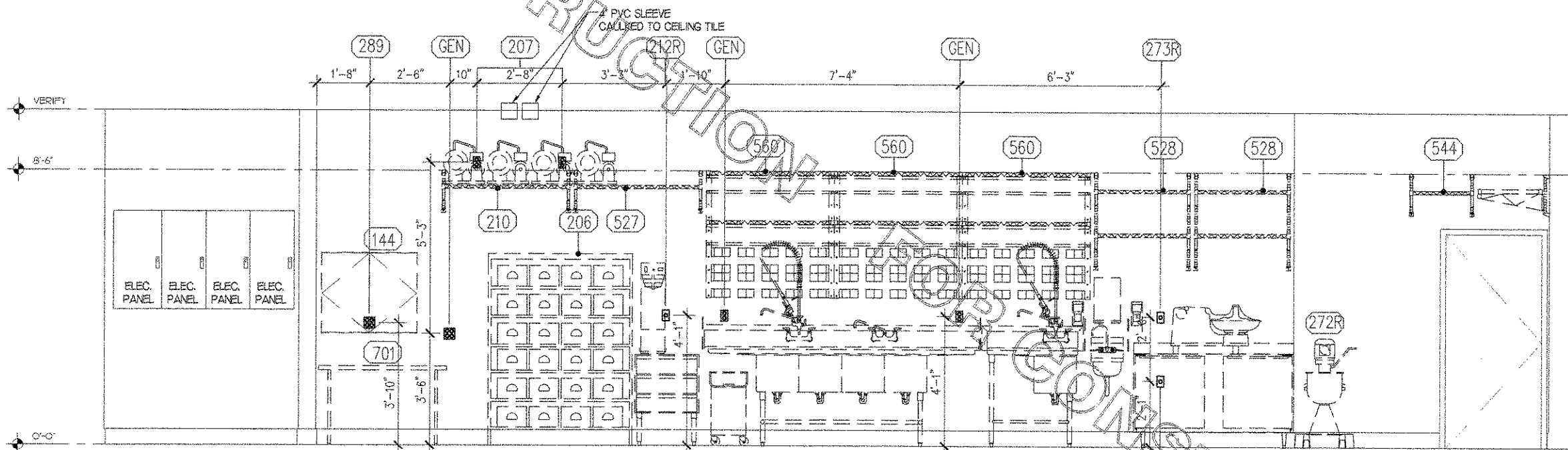
1 KITCHEN
1/2" = 1'-0"



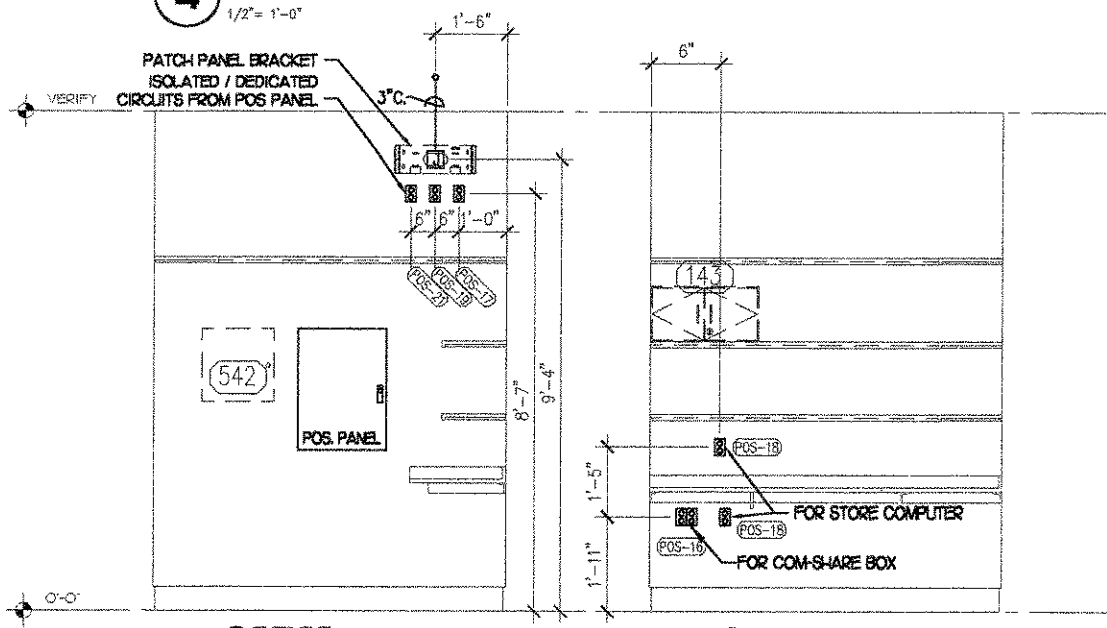
2 KITCHEN
1/2" = 1'-0"



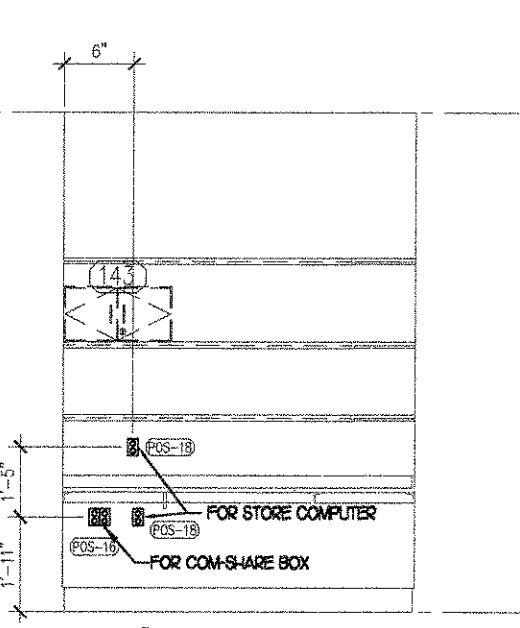
3 KITCHEN
1/2" = 1'-0"



4 KITCHEN
1/2" = 1'-0"

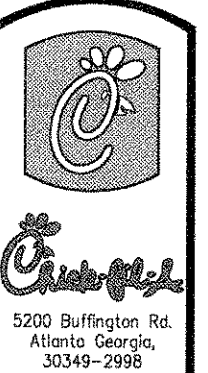


5 OFFICE
1/2" = 1'-0"



6 OFFICE
1/2" = 1'-0"

ELEVATION LEGEND	
XXX	EQUIPMENT NUMBER
M2	INDICATES NOTE ON SHEET E2
J	JUNCTION BOX
S	SIMPLEX RECEPTACLE
D	DUPLEX RECEPTACLE
SW	SWITCH
PH	PHONE
PC	TERMINATION OF PVC CONDUIT FOR RADIANT POS SYSTEM
DD	DOUBLE DUPLEX RECEPTACLE
SD	SMOKE DETECTOR LED (2 GANG BOX)
SK	SECURITY KEYPAD



5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:
Mark Date By
1 3/20/07 TR

OWNER CHANGES

Mark Date By
2 5/14/07 TR

OWNER CHANGES

Mark Date By
3

Seal

MC
MCKENZIE
CONSULTING
KITCHEN DESIGN
AND DRAFTING
181 FAIRWAY DRIVE
NEWNAN, GA 30265
404-684-8569

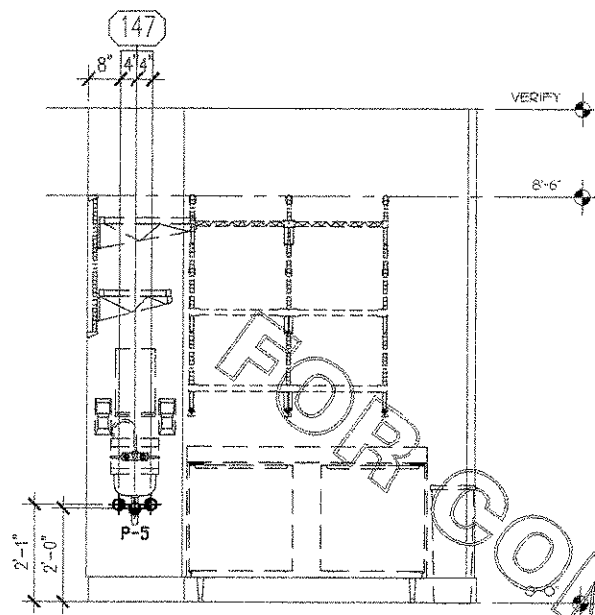
STORE
Forest Drive FSU
5440 Forest Dr.
Columbia, SC
29206

SHEET TITLE
ELECTRICAL
ROUGH-IN
ELEVATIONS

K EDITION S06-0
BID SET ED. #1
DWG EDITION 01.0

Job No. : A07-009
Store : 0945
Date : 2/16/07
Drawn By : TAM
Checked By : TAM

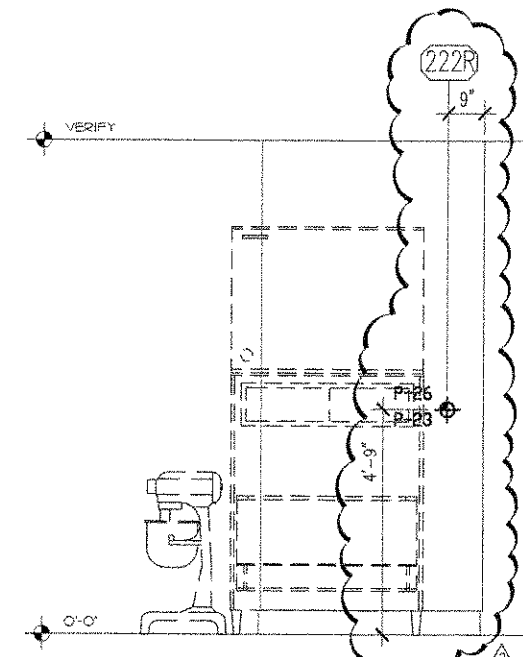
Sheet
K-3.2



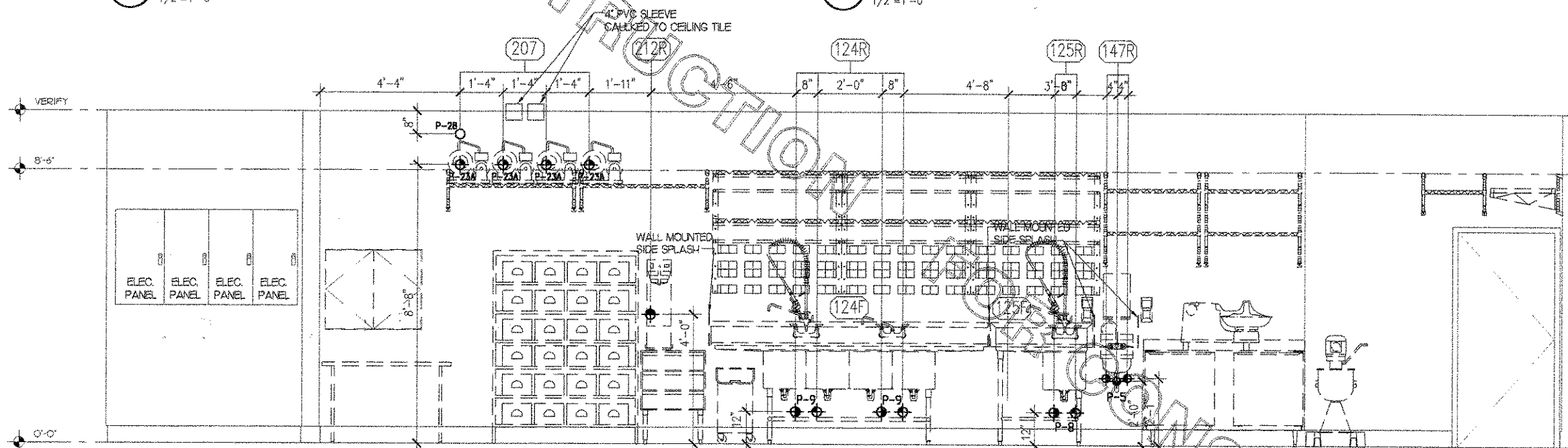
1 PLUMBING ROUGH-IN ELEVATION
1/2"=1'-0"

NOT USED

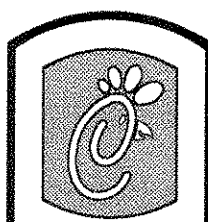
2 PLUMBING ROUGH-IN ELEV.
1/2"=1'-0"



3 PLUMBING ROUGH-IN ELEV.
1/2"=1'-0"



4 PLUMBING ROUGH-IN ELEVATION
1/2"=1'-0"



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29206

SHEET TITLE
**PLUMBING
ROUGH-IN
ELEVATIONS**
K EDITION S06-0
BID SET ED. #1
DWG. EDITION 01.0

Job No. : A07-008
Store : 0945
Date : 2/16/07
Drawn By : TAM
Checked By: TAM

Sheet

K-4.I

ELEVATION LEGEND	
(XXX)	EQUIPMENT NUMBER
⊕	HOT WATER
⊖	COLD WATER
⊕	PRE-FILTERED WATER (PW)
⊕	FILTERED WATER (FW)
⊕	FILTERED WATER (FW2)
⊕	SAN.
⊕	HELIUM PORT