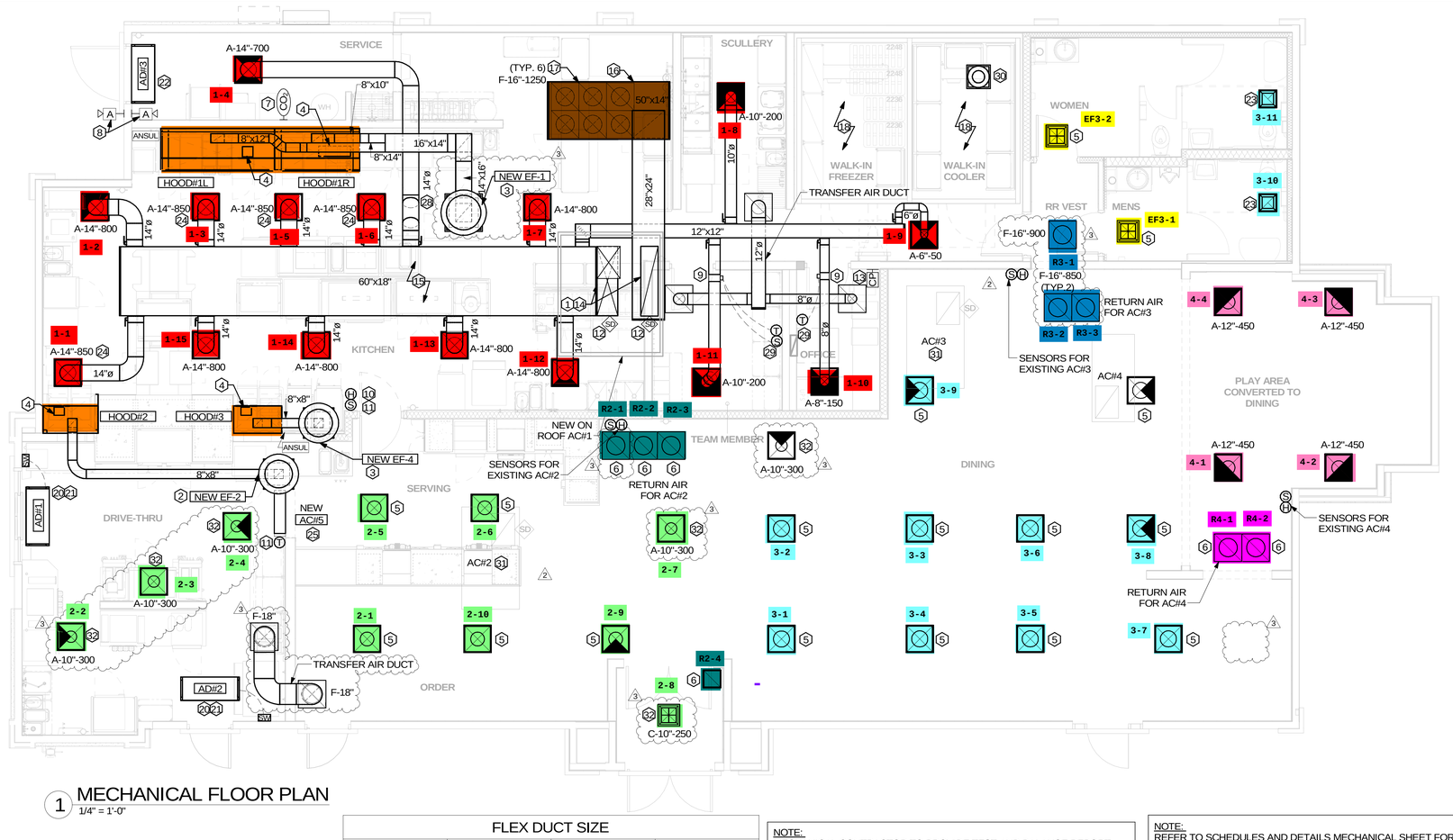

1 MECHANICAL FLOOR PLAN
1/4" = 1'-0"

LEGEND

A-12-400	TYPE - NECK SIZE - CFM	EF-1	EXHAUST FAN #1 (TYP.)
(S)	REMOTE TEMPERATURE SENSOR	(A)	ANSUL PULL STATION
(H)	HUMIDITY SENSOR		RETURN/EXHAUST
A	STROBE AUDIO/VISUAL ALARM-ANNUNCIATOR		SUPPLY DIFFUSER (TYP.)
	CLOSED AIR PATTERN DEFLECTOR	SW	AIR DOOR SWITCH
12x18	DUCT SIZE (REVERSE FOR ELEVATION VIEWS): 1ST NUMBER - HORIZONTAL DIMENSION 2ND NUMBER - VERTICAL DIMENSION	1	PLAN NOTE REFERENCE
AC-1	AIR CONDITIONING UNIT #1 (TYP.)	SD	SMOKE DETECTOR
	MANUAL VOLUME DAMPER	AD-1	AIR DOOR#1 (TYP.)
CO_2	CO_2 SENSOR	CP	CONTROL PANEL

HVAC GENERAL NOTES

1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
2. MECHANICAL CONTRACTOR SHALL BALANCE HVAC SYSTEM AS SHOWN ON THE PLAN & RTU SCHEDULE. IF AIRFLOWS DIFFER BY MORE THAN 5%, CONTACT CFA CONSTRUCTION MANAGER.
3. NO PIPING OR DUCTWORK ALLOWED ABOVE ANY ELECTRICAL/CONTROL PANELS.
4. COORDINATE NEW WORK WITH EXISTING CONDUITS, STRUCTURE & PIPING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY DESIGN TEAM WITHOUT DELAY IF ACTUAL LOCATION OF EXISTING MECHANICAL EQUIPMENT DOES NOT MATCH FLOOR PLAN.
5. CONTRACTOR SHALL CLEAN & REFURBISH ALL EXISTING DUCTWORK. PATCH & REPAIR OPENING AIR TIGHT OF EXISTING DUCTWORK AS REQUIRED (TYPICAL ALL). FIELD VERIFY AND COORDINATE ALL EXISTING HVAC SIZES, LOCATIONS, AND CONDITION PRIOR TO BID.
6. REUSE AND REWORK EXISTING HVAC DUCTWORK. PROVIDE NEW SECTION FOR RECONNECTION AS REQUIRED. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID.
7. CONTRACTOR SHALL BALANCE, INSPECT, REPAIR, OR REPLACE AS NECESSARY IF REQUIRED FOR EXISTING CEILING OR SIDEWALL MOUNTED AIR DEVICES TO REMAIN. FIELD VERIFY AND COORDINATE EXACT SIZE, AIR QUANTITY, LOCATION, AND CONDITION PRIOR TO BID. AIR FLOW SHALL REMAIN AS IS UNLESS NOTED ON PLAN, OR DIRECTED BY CONSTRUCTION MANAGER. ANY DEFICIENCIES AND OR DISCREPANCIES SHALL BE REPORTED TO ARCHITECT/ENGINEER IMMEDIATELY. COORDINATE AIR BALANCE RESULTS WITH CONSTRUCTION MANAGER.
8. FLEXIBLE DUCT NOT SHOWN FOR CLARITY. ALL TAKE-OFFS SHALL INCLUDE FLEXIBLE DUCT. SEE DETAIL 1/M-401 FOR FLEXIBLE DUCT INSTALLATION REQUIREMENTS.
9. UNLESS NOTED OTHERWISE, MC TO ADJUST ALL DIFFUSER AIR PATTERN DEFLECTORS TO THROW HORIZONTALLY ALONG THE CEILING.
10. SUPPORT ALL DUCT DROPS AT BASE OF DROP FROM STRUCTURE.

FLEX DUCT SIZE

RANGE	SIZE	RANGE	SIZE
0 -80 CFM	6" DIA.	511 -950 CFM	14" DIA.
81 -170 CFM	8" DIA.	951 -1100 CFM	16" DIA.
171 -300 CFM	10" DIA.	1101 -1450 CFM	18" DIA.
301 -510 CFM	12" DIA.	1451 -1900 CFM	20" DIA.

NOTES:

1. BASED ON WIRE HELIX FLEXIBLE DUCT: TYPE FLEX-MASTER.
2. UL LISTING: U-181 / ETL CLASS 1 AIR DUCT.
3. STANDARD CODE: NFPA 90A AND 90B, BOCA, SBBC HUD/FHA, MIN PROPERTY STD.
4. FLAME SPREAD.....LESS THAN 25
5. SMOKE DEVELOP.....LESS THAN 50
6. MIN R6.0 FOR ATTIC/UNCONDITION SPACE. MANUFACTURER IS TO BE USED AS A BASIS FOR DESIGN. CONTACT ENGINEER OF RECORD TO SUBMIT ON APPROVED EQUALS.

NOTE:
MECHANICAL CONTRACTOR TO PROVIDE TEST AND BALANCE REPORT BEFORE FINAL INSPECTION.

NOTE:
ALL NEW HOODS SHALL BE RATED WITH ONE INCH THICK LAYER OF FACTORY INSTALLED INSULATION TO MEET "ZERO INCH CLEARANCE" TO COMBUSTIBLE MATERIALS. HOOD SHALL BE CERTIFIED BY ETL SPECIFICATIONS, AND SHALL CONFORM TO UL STANDARD 710, BUILT PER NFPA 96 SECTION 4.2.2., AND NSF LISTED. REFER TO SHEET MH-101.

NOTE:
IF BALANCING DAMPERS ARE NOT EXISTING IN THE BRANCH DUCT OR AT THE TAKE-OFF. MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL NEW BALANCING DAMPERS WITHIN THE BRANCH DUCT (TYPICAL).

NOTE:
REFER TO SCHEDULES AND DETAILS MECHANICAL SHEET FOR FURTHER INFORMATION.

OMD CANOPY NOTE

FOR FURTHER INFORMATION REGARDING CANOPY SCOPE, MECHANICAL CONTRACTOR TO PURCHASE AND MOUNT NEW CIRCULATION FANS. COORDINATE EXACT NUMBER OF FANS WITH CANOPY MANUFACTURER.

NOTE:
GENERAL CONTRACTOR TO HIRE REFRIGERATION CONTRACTOR TO RECLAIM REFRIGERANT FROM EXISTING FREEZER/COOLER ICE MAKERS AND RECHARGE EXISTING ICE MAKERS AFTER EQUIPMENT IS REINSTALLED, REFER TO KEY NOTES #2 AND #6 ON SHEET M-101.

HVAC KEYNOTES

1. TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. TRANSITION WITHIN CURB WHERE REQUIRED TO AVOID STRUCTURE. NO TURNING VANES IN ELBOW.
2. PROVIDE NEW KITCHEN HOOD EXHAUST FAN REPLACING THE EXISTING FAN THROUGH THE EXISTING ROOF OPENING. PROVIDE NEW FAN WITH NEW CURB LOCATION SHOWN ON PLAN. ENSURE A MINIMUM OF 10 FT FROM FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING. SEE DETAIL ON M-401 FOR ORIENTATION OF HINGE SIDE OF FAN ON CURB.
3. PROVIDE NEW KITCHEN HOOD EXHAUST FAN WITH NEW CURB LOCATION SHOWN ON PLAN. LOCATE A MINIMUM OF 10 FT FROM PARAPET WALLS OR FROM ANY NEW OR EXISTING OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING. SEE DETAIL ON M-401 FOR ORIENTATION OF HINGE SIDE OF FAN ON CURB.
4. CJ-3 MOUNTED INSIDE CABINETRY SERVING SCJ PLENUM, SEE DETAIL ON MH-101.
5. NEW SUPPLY AIR DIFFUSERS. CONTRACTOR SHALL EXTEND EXISTING SUPPLY AIR DUCT AS REQUIRED. CFM IS EXISTING TO REMAIN.
6. NEW RETURN AIR GRILLES. CONTRACTOR SHALL EXTEND EXISTING RETURN AIR DUCT AS REQUIRED. CFM IS EXISTING TO REMAIN.
7. STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO_2 SENSOR ANALOX-AX60. SENSOR SHALL BE MOUNTED AT 12" AFF WITH SPLASH GUARD AND CAGE. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PER LOCAL CODE REQUIREMENTS. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. FOR MORE INFORMATION CONTACT: STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
8. STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO_2 ANNUNCIATOR MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PER LOCAL CODE REQUIREMENTS. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. FOR MORE INFORMATION CONTACT: STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
9. YOUNG REGULATOR MODEL 4075-LMB24-IF ROUND ZONE DAMPER WITH MODEL T-720A AUTOMATIC CHANGEOVER THERMOSTAT. MOUNT T'STAT AT 4'-0" AFF. POWER OPEN/SPRING CLOSE. ADJUST MECHANICAL LIMIT FOR 50 CFM MINIMUM AIRFLOW. CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE ZONE DAMPER. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE ZONE DAMPER DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. ZONE DAMPERS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.
10. MOUNT NEW LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
11. MOUNT NEW REMOTE TEMPERATURE SENSOR ON WALL AT 48" AFF AND ROUTE WIRING BACK TO TEMP CONTROL PANEL. FOR SENSOR SERVING KITCHEN AC-1. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PRIOR TO BID AND CONSTRUCTION.
12. PROVIDE A LENNOX FACTORY INSTALLED SUPPLY SIDE & RETURN SIDE SMOKE DETECTORS. REFER TO SCHEDULE ON SHEET M-402 AND LENNOX SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM ON SHEET M-501.
13. STRONG SYSTEMS SHALL SUPPLY AND INSTALL CO_2 CENTRAL CONTROL UNIT MOUNTED AT 60" AFF. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE-GANG J-BOX WITH 1/2" CONDUIT EXTENDED TO ABOVE ACCESSIBLE CEILING SPACE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PER LOCAL CODE. FIELD VERIFY EXACT LOCATION AND ALL REQUIREMENTS PRIOR TO BID AND CONSTRUCTION. COORDINATE WITH ELECTRICAL DRAWING E2.2 FOR EXACT LOCATION. FOR MORE INFORMATION CONTACT : STRONG SYSTEMS INTERNATIONAL, INC. CHRIS VERCH (770) 729-1199 OR (770) 462-2501.
14. (2) 28x20 SUPPLY AIR RTU DROP AND (1) 60x15 RETURN AIR DROP FROM NEW KITCHEN AC-1.
15. SUPPLY AIR DUCT ROUTED BELOW BAR JOIST AS HIGH AS POSSIBLE.
16. 50"x14" RETURN AIR PLENUM AS CLOSE AS POSSIBLE TO BOTTOM OF STRUCTURAL JOIST.
17. 16"ø BOTTOM TAP RETURN AIR PLENUM WITH SPIN-IN FITTINGS AND DAMPER. REFER TO AIR DEVICE SCHEDULE FOR FURTHER INFORMATION.
18. CONTRACTOR SHALL INSTALL AND ROUTE NEW INSULATED REFRIGERANT PIPING FROM ROOF MOUNTED REMOTE CONDENSER TO FREEZER & COOLER EVAPORATORS.
19. NOTE NOT USED.
20. AIR CURTAIN (AD-1) MOUNTED WITHIN CEILING CENTERED ABOVE DRIVE THRU DOOR 4" FROM THE EXTERIOR WALL AND (AD-2) MOUNTED WITHIN THE CEILING CENTERED ABOVE THE DRIVE THRU DOOR 1'-6" FROM THE EXTERIOR WALL. PROVIDE AIR DEFLECTOR CONE ABOVE DOOR FOR (AD-1). REFER TO DETAIL 6/M-401 FOR INFORMATION. ATTACH AIR CURTAIN TO STRUCTURE USING 3/8" ALL THREAD SUPPORTS.
21. FIELD WIRE FACTORY PROVIDED CONTROLS. SEE KITCHEN ELEVATIONS FOR EXACT LOCATION OF SWITCH. MC IS RESPONSIBLE FOR ALL FINAL CONNECTIONS FOR LOW VOLTAGE INTERLOCK WITH TORMAX DOOR. REFER TO DETAIL 5/M-501 FOR INFORMATION.
22. AIR DOOR MOUNTED OVER DOOR HEADER AT 7'-4" AFF TO BOTTOM OF UNIT. PROVIDE BLOCKING IN WALL BEHIND AIR CURTAIN. USE FACTORY PRE-PUNCHED MOUNTING HOLES ON BACK SIDE OF AIR CURTAIN ONLY. ATTACH AIR CURTAIN TO WALL USING 3/8" LAG BOLTS, LENGTH AS REQUIRED TO FULLY PENETRATE BLOCKING. LOCATE MAGNETIC CONTACT TYPE MICROSWITCH IN DOOR FRAME ON STRIKE SIDE.
23. NEW EXHAUST AIR DIFFUSERS. CONTRACTOR SHALL EXTEND EXISTING EXHAUST AIR DUCT AS REQUIRED. BALANCE TO CFM ON PLAN.
24. MECHANICAL CONTRACTOR TO ADJUST PATTERN DEFLECTORS TO THROW STRAIGHT DOWN.
25. NEW AC#5 AIR HANDLER, COORDINATE LOCATIONS WITH ELECTRICAL AND KITCHEN CONTRACTOR.
26. NOTE NOT USED.
27. NOTE NOT USED.
28. MECHANICAL CONTRACTOR TO INSTALL THE DUCTWORK IN COORDINATION WITH THE STRUCTURAL TRUSSES.
29. PROVIDE 120V/24V 50 VA TRANSFORMER TO SERVE YOUNG REGULATOR ZONE DAMPER ACTUATOR AND THERMOSTAT. POWER TRANSFORMER FROM 120V POWER CIRCUIT THAT REMAINS LIVE 24/7. PROVIDE ALL NECESSARY WIRING AND COMPONENTS TO MAKE CONTROL AND POWER CONNECTIONS TO TRANSFORMER, ZONE DAMPER, AND THERMOSTAT PER MANUFACTURER'S IOM. THERE IS NO INTERLOCKING OR MONITORING BY WAY OF THE S.E.C. CFA-500 PANEL. SEE WIRING DIAGRAMS ON M-501.
30. PROVIDE NEW RESTROOM EXHAUST FAN REPLACING THE EXISTING FAN THROUGH THE EXISTING ROOF OPENING. PROVIDE NEW FAN WITH NEW CURB LOCATION SHOWN ON PLAN. ENSURE A MINIMUM OF 10 FT FROM EXISTING AND NEW OUTSIDE AIR INTAKE. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING EQUIPMENT AND PIPING.
31. EXISTING DUCTWORK, DUCT ACCESSORIES AND SMOKE DETECTOR ASSOCIATED WITH THE EXISTING AC UNIT TO REMAIN THE SAME.
32. NEW SUPPLY AIR DIFFUSERS ASSOCIATED WITH THE EXISTING AC-2. CONTRACTOR SHALL EXTEND EXISTING SUPPLY AIR DUCT AS REQUIRED.

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FSR#01740

BUILDING TYPE / SIZE: SRI S03A
RELEASE: 23.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
2	11/17/2023	PERMIT REV 2
3	12/14/2023	PERMIT REV 3

PERMIT

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SHEET: MECHANICAL FLOOR PLAN
SHEET NUMBER: **M-201**

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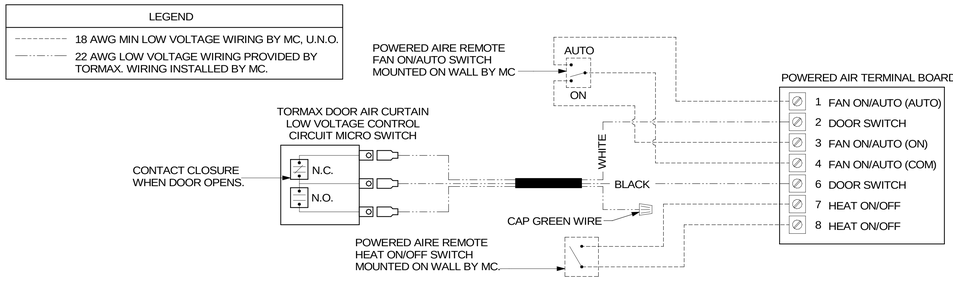
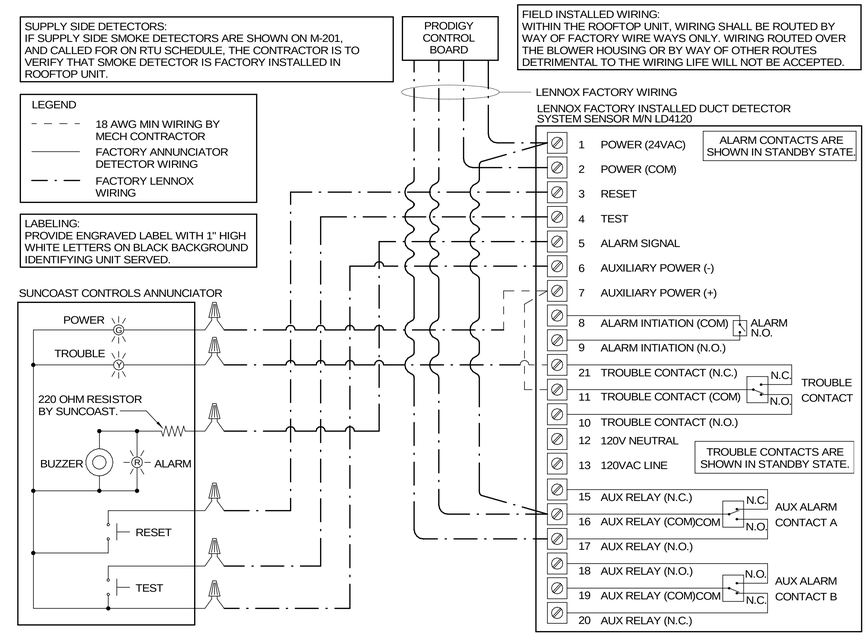
30-S03A-01740-M-201-MECHANICAL FLOOR PLAN

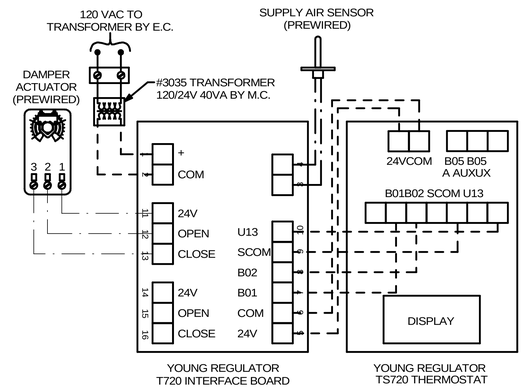


4 AIR DOOR LOW VOLTAGE CONNECTION DIAGRAM
NOT TO SCALE



3 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM
NOT TO SCALE

LEGEND	
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	18 AWG MIN WIRING BY M.C.
	HIGH VOLTAGE BY E.C.
	FACTORY WIRING



2 DAMPER AND TSTAT - MGRS OFFICE & TEAM MEMBER ROOM
NOT TO SCALE

NOTES
1. SEE M-201 FOR COMPONENT MODEL NUMBERS AND ORDERING INFORMATION.
2. 120V POWER FOR TRANSFORMER TO BE NON SWITCHED AND LIVE 24 HOURS EACH DAY.
3. PROVIDE ALL NECESSARY WIRING AND COMPONENTS TO MAKE CONTROL AND POWER CONNECTIONS TO TRANSFORMER, ZONE DAMPER, AND THERMOSTAT PER MANUFACTURER'S IOM.
4. PROVIDE MYLAR LABEL AT ALL NEW THERMOSTATS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND, I.E. "OFFICE THERMOSTAT". PLACE LABELS ON WALL ADJACENT TO DEVICE. DO NOT APPLY DIRECTLY ON DEVICE.

SEQUENCE OF OPERATION
1. WHEN THE SUPPLY AIR TEMPERATURE IS LESS THAN 72F THE DAMPER WILL MODULATE ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT.
2. WHEN THE SUPPLY AIR TEMPERATURE IS GREATER THAN 71F THE DAMPER WILL MODULATE ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT.
3. WHEN SPACE TEMPERATURE FALLS BELOW 68F (ADJ), THE THERMOSTAT SHALL SEND AN ENABLE SIGNAL TO THE EDH. THE EDH SHALL THEN MODULATE CAPACITY TO MAINTAIN AN 80F (ADJ) DISCHARGE AIR SETPOINT.

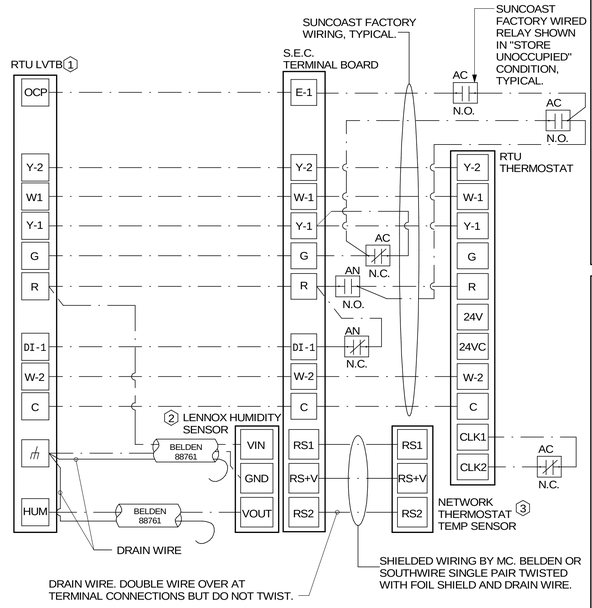
NOTES:
1. MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
2. SEE DETAILS AND THIS SHEET FOR SMOKE DETECTOR AND ANNUNICIATOR WIRING.
3. SET ALL THERMOSTATS FOR AUTO CHANGEOVER.
4. PROVIDE PLASTIC ENGRAVED LABEL AT ALL NEW SENSORS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND, I.E. "AC#1 HUMIDITY SENSOR" OR "AC#1 TEMP SENSOR". PLACE LABELS ON WALL ADJACENT TO DEVICE, DO NOT APPLY DIRECTLY TO DEVICE.

KEYED NOTES:
1. LOW VOLTAGE WIRING TO RTU TO BE ROUTED TO UNIT THRU FACTORY WIREWAY.
2. HUMIDITROL UNITS ONLY: WIRING TO HUMIDITY SENSOR TO BE MADE WITH TWO SEPARATE RUNS OF SHIELDED TWISTED PAIR. TERMINATE SHIELD WIRES AT TB-1, LEAVE OPEN AT SENSOR.
3. NETWORK TSTAT REMOTE TEMP SENSOR PROVIDED BY SUNCOAST AND INSTALLED BY MC. FIELD CALIBRATE EACH SENSOR.

LEGEND
S.E.C. SUNCOAST ENVIRONMENTAL CONTROLS (SUPPLIER OF TEMP/FAN CONTROL PANEL) LOCATED IN KITCHEN
1 KEY NOTE REFERENCE
MC MECHANICAL CONTRACTOR
AC SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL, ENERGIZED BY PUTTING STORE SWITCH IN "STORE OCCUPIED" POSITION.
AN SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL, DENERGIZED WHEN ANSUL FIRE SUPPRESSION SYSTEM IS ACTIVATED, AS NOTED.
18 AWG MIN LOW VOLTAGE WIRING BY MC, U.N.O. USE BELDEN OR SOUTHWIRE SINGLE PAIR TWISTED WITH FOIL SHIELD AND DRAIN WIRE FOR TEMPERATURE SENSORS (NOT HUMIDITY SENSORS).
LOW VOLTAGE WIRING BY S.E.C.
LINE VOLTAGE BY ELECTRICIAN OR S.E.C.

NOTES:
FACILITIES MANAGEMENT SHALL EXAMINE THE INSTALLATION OF THE SUNCOAST CONTROL PANEL AND REMOTE TEMPERATURE SENSORS DURING THE YEARLY INSPECTION TO ENSURE THAT THE EXISTING CONTROL CABLING HAS BEEN INSTALLED CORRECTLY. IF THE INCORRECT CABLING IS INSTALLED, IT MUST BE REPLACED. THE GENERAL CONTRACTOR AND/OR SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE REQUIRED MODIFICATION(S) AT THEIR COST (IF THE NEED TO CORRECT IS DISCOVERED DURING THE FIRST-YEAR WARRANTY PERIOD OF RESTAURANT OPERATION).

REPLACEMENT MATERIALS SHALL MEET THE SPECIFICATION(S) FOR NEW RESTAURANTS.



LENNOX PRODIGY CONTROLLER SETTINGS:
1. FOR ALL RTU'S EXCEPT AT AC#1, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #65 TO ZERO (#58 ON LCH UNITS). THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON "OCCUPIED" START. AT AC#1 (LGT TYPE) LEAVE THE SETTING AT THE DEFAULT VALUE SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 60 MINUTES AFTER "OCCUPIED" START. AT AC#1 (LGT TYPE) CHANGE THE VALUE SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 90 MINUTES AFTER "OCCUPIED" START.
2. AT HUMIDITROL RTU'S, SET PRODIGY-M3 BOARD CONTROL PARAMETER #105 FOR DEHUMIDIFICATION OPERATION TO A VALUE OF 7
3. AT HUMIDITROL RTU'S, SET PRODIGY-M3 BOARD CONTROL PARAMETER #106 FOR DEHUMIDIFICATION SET POINT TO A VALUE OF 60 (60% RH).
4. AT HUMIDITROL RTU'S, SET PRODIGY-M3 BOARD CONTROL PARAMETER #107 FOR DEHUMIDIFICATION MODE DEAD BAND TO A VALUE OF 2 (2% RH).
5. AT MSAV UNITS, SET THE MSAV LOW SPEED SETTING TO THE SAME VALUE AS THE HIGH SPEED SETTING AFTER TAB IS COMPLETE.

LENNOX FRESH AIR HEATING SETUP WHEN SPECIFIED:
1. INSTALL FRESH AIR TEMPERING KIT WIRING HARNESS AS RECOMMENDED BY LENNOX.
2. LOCATE SUPPLY AIR TEMPERATURE SENSOR IN SUPPLY DUCT DOWNSTREAM OF FIRST ELBOW. SECURE WIRING TO DUCT OR STRUCTURE WITH RUBBER COATED CLAMPS. DO NOT RUN WIRING INSIDE DUCT WORK. PROTECT ALL WIRING PENETRATIONS WITH RUBBER GROMMETS.
3. FOR PRODIGY 2.0: FIRST SET FRESH AIR HEATING ENABLE TO "YES" THRU THE TAB/DAMPER MENU (LEAVE FRESH AIR COOLING AS "NO"). NEXT, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #156 TO A VALUE OF 66. THIS WILL PREVENT THE SUPPLY AIR TEMPERATURE FROM DROPPING BELOW 66F DEG DURING HEATING MODE WHEN THERMOSTAT IS NOT ACTIVELY CALLING FOR HEAT.
4. CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #157 TO A VALUE OF 14. THIS WILL MAKE THE DEADBAND VALUE EQUAL 14F.
5. CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #158 TO A VALUE OF 300. THIS WILL MAKE THE CYCLE TIME VALUE EQUAL 5 MINUTES.

1 ROOFTOP UNIT CONTROL WIRING - LENNOX
NOT TO SCALE

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FSR#01740

BUILDING TYPE / SIZE: ER S03
RELEASE: 24.02
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REVISION SCHEDULE

NO.	DATE	DESCRIPTION
4	01/04/2025	PERMIT REV 4

CONSULTANT PROJECT # C29146
DATE 01/20/25
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SHEET
HVAC CONTROLS

SHEET NUMBER
4
M-501

10-02-2025 19:46:33 Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
30-S03-01740-M-501-HVAC CONTROLS

EXHAUST FAN SCHEDULE

MARK	CFM	ESP	RPM	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
NEW EF-1	1,912	0.75	892	3/4	HOOD-1 L&R	180VCR	LOREN COOK	1,2,3,4,5
NEW EF-2	701	0.75	1,214	1/4	HOOD H-2	150VCR-HP	LOREN COOK	1,2,3,4,5
NEW EF-3	500	0.50	1,402	1/10	RESTROOMS	100 C4B ACEB	LOREN COOK	6,7,8
NEW EF-4	701	0.75	1,214	1/4	HOOD H-3	150VCR-HP	LOREN COOK	1,2,3,4,5

NOTES

- GREASE FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL.
- GREASE EXHAUST FANS SHALL BE UL 762 LISTED.
- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE FAN/CURB PACKAGE. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE FANS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

1. PROVIDE FACTORY 1'-0" BASE CURB AND EXTENSION.
2. PROVIDE FACTORY INSTALLED, PRE-WIRED, NEMA 3 NON-FUSED DISCONNECT.
3. PROVIDE FACTORY INSTALLED HINGED BASE KIT. REFER TO DETAIL SHEET M-401 FOR HINGE LOCATION INFORMATION.
4. PROVIDE AND INSTALL ROOFTOP SOLUTIONS G2 DRIP GUARD. MECHANICAL CONTRACTOR TO CONTACT ROOFTOP SOLUTIONS AT 800-913-7034.
5. INTEGRAL THERMAL OVERLOAD WITH AUTOMATIC RESET.
6. FAN SHALL BE UL 705 LISTED AND ISO 9001 CERTIFIED.
7. FAN SHALL BE CONSTRUCTED OF ALUMINIUM OR CORROSION RESISTANCE MATERIAL.
8. WHEEL SHALL BE CENTRIFUGAL BACKWARD INCLINED AND CONSTRUCTED ALUMINUM.

AIR BALANCE SCHEDULE

MARK	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	EXHAUST AIR	BUILDING POSITIVE PRESSURE
NEW AC-1	9,500	7,500	2,000		
AC-2 (EXISTING)	3,500	2,300	1,200		
AC-3 (EXISTING)	3,800	2,600	1,200		
AC-4 (EXISTING)	1,800	1,500	300		
NEW EF-1				1,912	
NEW EF-2				701	
NEW EF-3				500	
NEW EF-4				701	
TOTALS:	18,600	13,900	4,700	3,814	+886

NOTES:

- CONTRACTOR SHALL REBALANCE AIR CONDITIONING SYSTEMS TO VALUES LISTED ABOVE.

AIR DOOR SCHEDULE

MARK	CFM	VELOCITY	HEATING CAPACITY	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
AD-1	1,543	2,240 FPM	10 KW	3/4 HP	DRIVE THRU	CHA-1-48(E)	POWERED AIRE	1,2,3,5
AD-2	1,197	2,443 FPM	10 KW	3/4 HP	DRIVE THRU	CHA-1-36(E)	POWERED AIRE	1,2,3
AD-3	3,867	4,220 FPM	N/A	3/4 HP	REAR DOOR	RBT-1-48	POWERED AIRE	4

NOTES

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

1. FACTORY PROVIDED, WIRED AND UNIT MOUNTED SPEED CONTROLLER LOCATED ABOVE CEILING.
2. FACTORY WIRED DISCONNECT.
3. FACTORY PROVIDED, FIELD INSTALLED BY MC, REMOTE WALL SWITCHES FOR HEATING ON/OFF AND FAN ON/AUTO. SEE DETAIL, AIR CURTAIN WIRING DIAGRAM.
4. FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.
5. PROVIDE WITH DIVERTER BOX. PROVIDE WITH MOUNTING BRAKETS PER MANUFACTURER'S RECOMMENDATION.

CIRCULATING FAN SCHEDULE

MARK	CFM	RPM	HP	MODEL	MANUFACTURER
CF	5,750	1,625	1/8	U18TE-HD	TPI

REMARKS

1. ALUMINUM PADDLE WITH STEEL HUB/SPIDER PROPELLER
2. 360° ROTATING HEAD HORIZONTALLY AND VERTICALLY
3. OSHA COMPLIANT DOUBLE LOCKING, COATED STEEL WIRE GUARD
4. 3-SPEED, TOTALLY ENCLOSED, PERMANENTLY LUBRICATED BALL BEARING MOTOR
5. FACTORY PRE-WIRED POWER CORD
6. PROVIDE FACTORY WALL MOUNTING BRACKET. SEE MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS
7. PROVIDE ENGRAVED PLASTIC LABEL AT EACH UNIT WITH UNIT DESIGNATION IN 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. MOUNT TO UNDERSIDE OF CANOPY OR EXISTING OVERHANG, FACING DOWNWARD, 12" LATERALLY FROM THE FAN LOCATION
8. REMOVE PULL CHAIN EXTENSION AT ON/OFF SWITCH IN FIELD
9. FACTORY CERTIFIED FOR OUTDOOR INSTALLATION

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	LOCATION	NECK SIZE	FACE SIZE	FRAME TYPE	REMARKS
A	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	DINING/ KITCHEN	VARIES	24"x24"	LAY-IN	1,7
C	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	ENTRY	14"x14"	19"x19"	BEVELED	1,5,6
F	PRICE MODEL 80 EGG CRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE. FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	DINING/ OFFICE/ KITCHEN	VARIES	24"x24"	LAY-IN	1,7
J	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10"x10"	15"x15"	BEVELED	1,2,5,6
K	PRICE MODEL APDDR ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOM /ENTRY	14"x14"	16"x16"	SURFACE	1,4,5,6

NOTES

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE AIR DEVICES. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

1. STANDARD OFF WHITE FINISH
2. PROVIDE MODEL VCS3 NECK DAMPER.
3. NOT USED
4. PROVIDE MODEL VCR7 NECK DAMPER ON GRILLES IN RESTROOMS SERVING EXHAUST FAN.
5. PROVIDE BACKPAN. MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
6. FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 1 ON SHEET M-401.
7. FACTORY INSULATED R-6 BACKPAN.

GAS FIRED ROOFTOP UNIT SCHEDULE

MARK	AREA SERVED	TONNAGE	COOLING CAPACITY (MBH)		HEATING CAPACITY (MBH)		FAN SECTION (CFM) INCLUDING EXISTING AC UNITS REBALANCE				MODEL	% OA	MODEL	MANUFACTURER	ELECTRICAL DATA			REMARKS	APPROX. WEIGHT WITH OPTIONS (POUNDS)
			TOTAL	SENS	INPUT	OUTPUT	SUPPLY	O.A.	HP	ESP					V/PH/HZ	MCA	MOCP		
NEW AC-1	KITCHEN, SERVICE, OFFICE	25.0	281.0	270.0	480	384	9,500	2,000	10	0.8	-	21.1%	LGT300S4MM	LENNOX	208/3/60	146	175	1,2,3,4,5,6,7,8,9,10,11,12,13,14	2,700
EXISTING AC-2	SERVING, ORDER	10	EXISTING	EXISTING	EXISTING	EXISTING	3,500	1,200	-	-	EXISTING	34.3%	EXISTING	EXISTING	208/3/60	-	-	EXISTING	EXISTING
EXISTING AC-3	DINING, RR VESTIBULE	12	EXISTING	EXISTING	EXISTING	EXISTING	3,800	1,200	-	-	EXISTING	31.5%	EXISTING	EXISTING	208/3/60	-	-	EXISTING	EXISTING
EXISTING AC-4	CONVERTED DINING	5.0	EXISTING	EXISTING	EXISTING	EXISTING	1,800	300	-	-	EXISTING	16.2%	EXISTING	EXISTING	208/3/60	-	-	EXISTING	EXISTING

NOTES:

- COOLING CAPACITIES ARE GROSS, BASED ON ENTERING: 80°F DB/67°F WB, OUTDOOR: 95°F DB.
- CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION. CONTACT LENNOX NATIONAL ACCOUNTS AT 972-497-6219 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY.
- MECHANICAL CONTRACTOR TO VERIFY LENNOX SUBMITTAL WITH CONSTRUCTION DOCUMENTS.

CONTRACTOR SHALL VERIFY EXACT ELECTRICAL CONNECTIONS, WIRE SIZES, BREAKERS, DISCONNECT, ETC. FOR THE NEW ROOFTOP UNITS PRIOR TO ORDERING AND BID.

REMARKS

1. PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
2. PROVIDE 14" HIGH ROOF CURB. PROVIDE CURBS PLUS ANCHOR IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION.
3. SEE DETAIL ON SHEET M-501 FOR SETTING OF PRODIGY M3 BOARD CONTROL PARAMETERS BY MC.
4. PROVIDE FACTORY INSTALLED AND UNIT POWERED 115V GFI SERVICE OUTLET.
5. PROVIDE FACTORY INSTALLED SUPPLY AND RETURN SIDE SMOKE DETECTOR.
6. PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
7. PROVIDE 2" MERV 8 THROW AWAY FILTERS.
8. PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
9. PROVIDE FACTORY COIL HAIL GUARD, FIELD INSTALLED.
10. PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR.
11. PROVIDE FACTORY INSTALLED BELT TENSIONER.
12. PROVIDE FACTORY CONFIGURED PHASE LOSS PROTECTION.
13. PROVIDE FACTORY INSTALLED CONDENSATE PAN DRAIN OVERFLOW SWITCH.
14. PROVIDE UNIT WITH MSAV BLOWER.

DUCTLESS SPLIT SYSTEM

INDOOR UNIT																OUTDOOR UNIT							
					COOLING DATA					FAN DATA	ELECTRICAL SERVICE							ELECTRICAL SERVICE					
UNIT MARK	SERVICE	LOCATION	SEER	EER	TOTAL MBH	SENSIBLE MBH	INDOOR TEMP. DB(°F)	INDOOR TEMP. WB(°F)	OUTDOOR TEMP. DB(°F)	CFM 3-SPEED	MCA	MOCP	VOLTS	PH	HZ	MANUFACTURER MODEL NUMBER (AS STANDARD)	UNIT NUMBER	LOCATION	MCA	MOCP	VOLTS	PH	HZ	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
AC-5	DRIVE-THRU	DRIVE-THRU	16.2	12.0	33.5	23.8	75	64	95	635-730-830	1.0	--	208	1	60	MITSUBISHI / PKA-A36KA7	CU-5	ROOFTOP	28.0	40	208	1	60	MITSUBISHI / PUZ-HA36NHA5	1,2,3,4,5,6,7,8

NOTES:

1. INDOOR UNIT SHALL BE STANDARD COLOR: WHITE.
2. PROVIDE WITH INDOOR MOUNTING BRACKET. COORDINATE WITH ARCHITECT FOR SUPPORT BLOCKING IN WALL.
3. PROVIDE WITH CLEANABLE FILTERS.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
5. PROVIDE WALL-MOUNTED THERMOSTAT MODEL PAR-CT01MAU-SB ON WALL. MC TO PROGRAM THERMOSTAT TO MATCH ADJACENT AIR SYSTEM SETPOINTS.
6. PROVIDE DRAIN PAN OVERFLOW SENSOR WIRED TO SHUT DOWN UNIT INCASE OF DETECTION OF INCREASED WATER LEVEL IN DRAIN PAN.
7. PROVIDE 208/230V MINI CONDENSATE PUMP W/RESERVOIR AND SENSOR, IF GRAVITY FLOW TO DRAIN IS NOT FEASIBLE.
8. PROVIDE PAC-SE55RA-E CONNECTOR AT INDOOR UNIT CONNECTOR CN32, WIRE ORANGE AND RED WIRES TO SPARE RULE ON R-1 RELAY IN SUNCOAST T-500 PANEL (TERMINALS 11 &7, RESPECTIVELY) AND CAP THE BROWN WIRE.
9. PROVIDE HIGH-WIND TIE-DOWN ANCHOR IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. REFER TO DETAILS.

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

ISP INTERNATIONAL SERVICE PARTNERS, LLC
386 S ATLANTIC AVE, UNIT 9
ORMOND BEACH, FL 32176
TEL: (407) 619-6442
COA # 35434

MITESH K. SMART
LICENSE
No.52772
STATE OF FLORIDA
PROFESSIONAL ENGINEER

CHICK-FIL-A
ST. PETE BEACH
4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: SRI S03A
RELEASE: 23.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
3	12/14/2023	PERMIT REV 3

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SHEET
HVAC SCHEDULES

SHEET NUMBER
M-402

PERMIT

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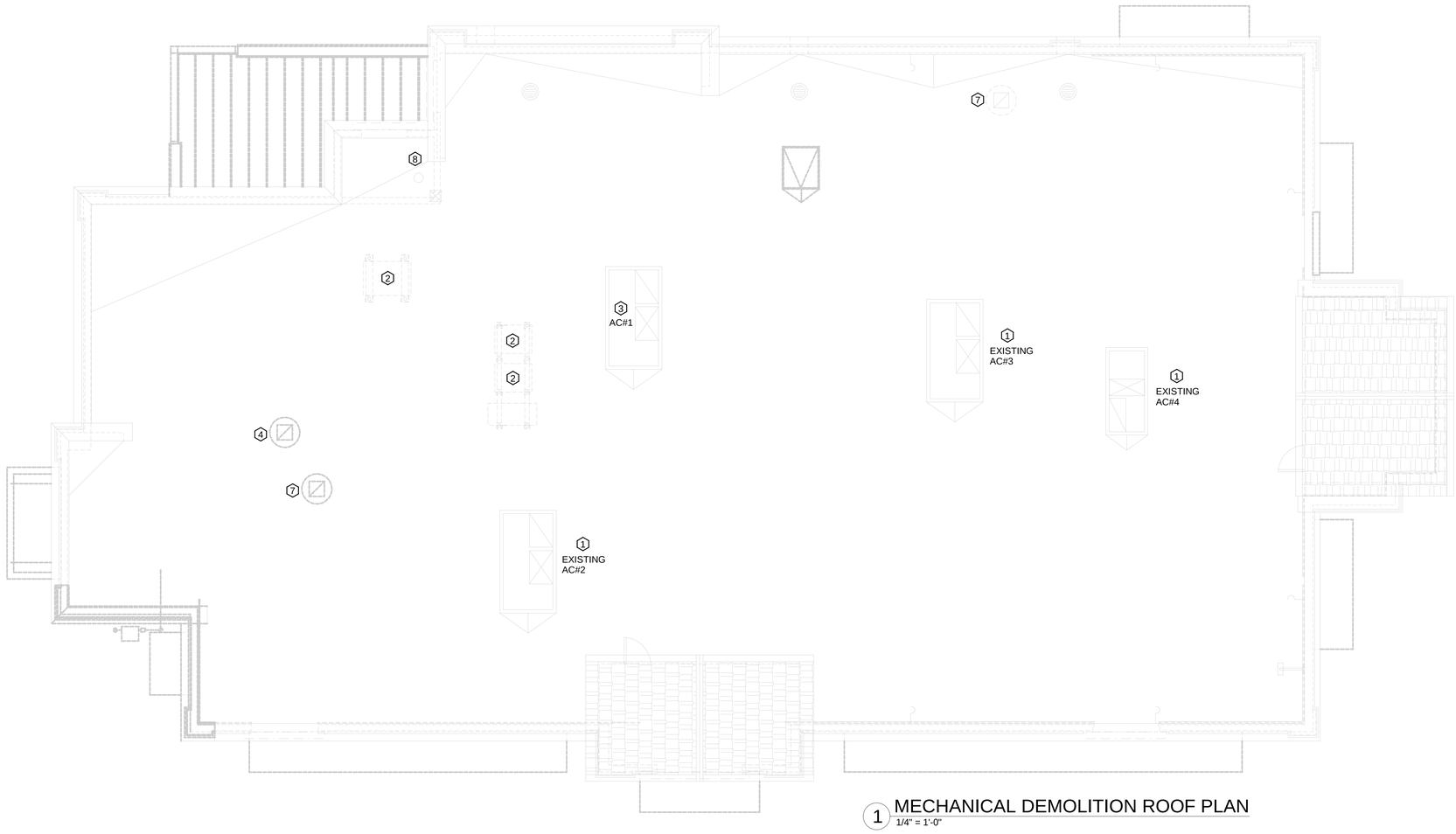

1 MECHANICAL DEMOLITION ROOF PLAN
1/4" = 1'-0"

MECHANICAL GENERAL NOTES:

1. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
2. ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
3. ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.

KEY NOTES:

1. EXISTING EQUIPMENT TO REMAIN.
2. CONTRACTOR SHALL DEMO/REMOVE REMOTE CONDENSING UNITS,AND REFRIGERANT PIPING DOWN TO EQUIPMENT BELOW. REFRIGERANT PIPE GOOSENECK IS EXISTING TO REMAIN FOR RE-USE IN RENOVATION PHASE. REFRIGERANTS THAT ARE RECOVERED FROM REFRIGERANT AND AIR-CONDITIONING SYSTEMS SHALL NOT BE REUSED OTHER THAN IN THE SYSTEM FROM WHICH THEY WERE RECOVERED AND IN OTHER SYSTEMS OF THE SAME OWNER. RECOVERED REFRIGERANTS SHALL BE FILTERED AND DRIED BEFORE REUSE. RECOVERED REFRIGERANTS THAT SHOW CLEAR SIGNS OF CONTAMINATION SHALL NOT BE REUSED UNLESS RECLAIMED IN ACCORDANCE WITH SECTION 1102.2.2 OF THE IBC-M 2021.
3. CONTRACTOR SHALL DEMO/REMOVE AND DISCARD KITCHEN AC-1 AND ROOF CURB AS REQUIRED.
4. DEMO/REMOVE EXHAUST FAN AND ROOF CURB. COORDINATE NEW EXHAUST FAN LOCATION WITH M-250.
5. NOTE NOT USED.
6. CONTRACTOR SHALL DEMO/REMOVE REMOTE CONDENSING UNIT, RACK STAND AND REFRIGERANT PIPING ROUTED TO EQUIPMENT BELOW. REFRIGERANTS THAT ARE RECOVERED FROM REFRIGERANT AND AIR-CONDITIONING SYSTEMS SHALL NOT BE REUSED OTHER THAN IN THE SYSTEM FROM WHICH THEY WERE RECOVERED AND IN OTHER SYSTEMS OF THE SAME OWNER. RECOVERED REFRIGERANTS SHALL BE FILTERED AND DRIED BEFORE REUSE. RECOVERED REFRIGERANTS THAT SHOW CLEAR SIGNS OF CONTAMINATION SHALL NOT BE REUSED UNLESS RECLAIMED IN ACCORDANCE WITH SECTION 1102.2.2 OF THE IBC-M 2021.
7. REMOVE EXISTING EXHAUST FAN AND CURB. OPENING TO REMAIN FOR REPLACEMENT FAN TO BE INSTALLED IN SAME LOCATION.
8. DEMOLISH EXISTING COMBUSTION AIR DUCTWORK IN THE MECHANICAL ROOM. INSULATE, CAP AND SEAL AIRTIGHT DUCT RISERS TO ROOF CAPS.

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FSR#01740

BUILDING TYPE / SIZE: SRI S03A
RELEASE: 23.08

REVISION SCHEDULE

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SHEET
MECHANICAL
DEMOLITION ROOF PLAN

SHEET NUMBER
M-101

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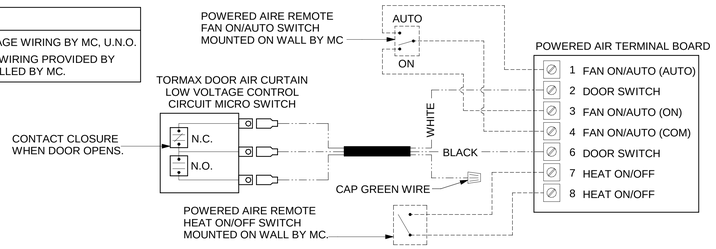
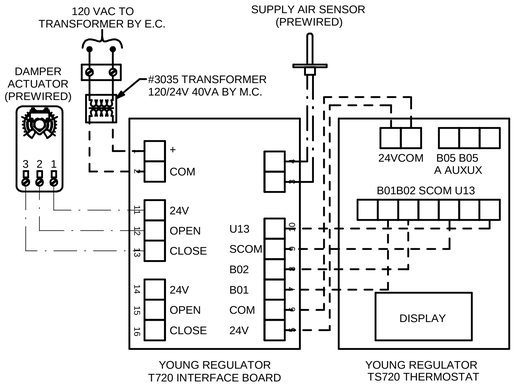
LEGEND	
	18 AWG MIN LOW VOLTAGE WIRING BY MC, U.N.O.
	22 AWG LOW VOLTAGE WIRING PROVIDED BY TORMAX. WIRING INSTALLED BY MC.



5 AIR DOOR LOW VOLTAGE CONNECTION DIAGRAM

NOT TO SCALE

LEGEND	
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	18 AWG MIN WIRING BY M.C.
	HIGH VOLTAGE BY E.C.
	FACTORY WIRING



NOTES
1. SEE M-201 FOR COMPONENT MODEL NUMBERS AND ORDERING INFORMATION.
2. 120V POWER FOR TRANSFORMER TO BE NON SWITCHED AND LIVE 24 HOURS EACH DAY.
3. PROVIDE ALL NECESSARY WIRING AND COMPONENTS TO MAKE CONTROL AND POWER CONNECTIONS TO TRANSFORMER, ZONE DAMPER, AND THERMOSTAT PER MANUFACTURER'S IOM.
4. PROVIDE MYLAR LABEL AT ALL NEW THERMOSTATS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND, I.E. "OFFICE THERMOSTAT". PLACE LABELS ON WALL ADJACENT TO DEVICE. DO NOT APPLY DIRECTLY ON DEVICE.

SEQUENCE OF OPERATION
1. WHEN THE SUPPLY AIR TEMPERATURE IS LESS THAN 72F THE DAMPER WILL MODULATE ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT.
2. WHEN THE SUPPLY AIR TEMPERATURE IS GREATER THAN 71F THE DAMPER WILL MODULATE ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT.
3. WHEN SPACE TEMPERATURE FALLS BELOW 68F (ADJ), THE THERMOSTAT SHALL SEND AN ENABLE SIGNAL TO THE EDH. THE EDH SHALL THEN MODULATE CAPACITY TO MAINTAIN AN 80F (ADJ) DISCHARGE AIR SETPOINT.

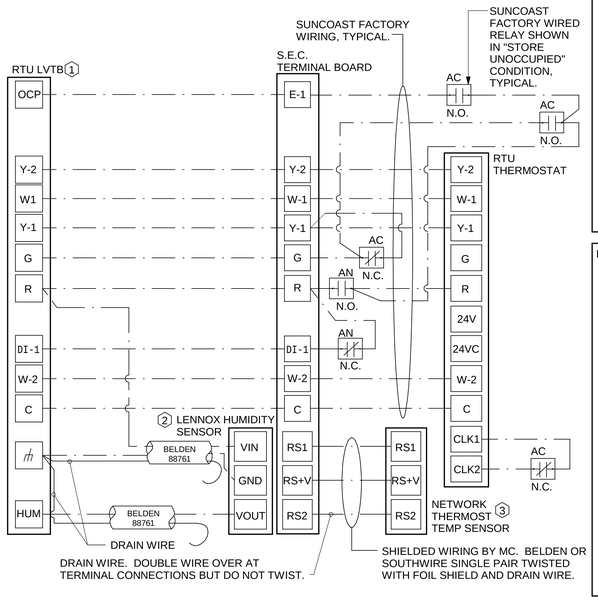
4 DAMPER AND TSTAT - MGRS OFFICE & TEAM MEMBER ROOM

NOT TO SCALE

NOTES:
1. MECHANICAL CONTRACTOR SHALL MAKE PLASTIC LAMINATE OF THIS DETAIL AND INSTALL PERMANENTLY ON INSIDE DOOR OF ROOFTOP UNIT CONTROL COMPARTMENT.
2. SEE DETAILS AND THIS SHEET FOR SMOKE DETECTOR AND ANNUNICIATOR WIRING.
3. SET ALL THERMOSTATS FOR AUTO CHANGEOVER.
4. PROVIDE PLASTIC ENGRAVED LABEL AT ALL NEW SENSORS WITH 1/4" HIGH WHITE LETTERING ON BLACK BACKGROUND, I.E. "AC#1 HUMIDITY SENSOR" OR "AC#1 TEMP SENSOR". PLACE LABELS ON WALL ADJACENT TO DEVICE, DO NOT APPLY DIRECTLY TO DEVICE.

KEYED NOTES:
1. LOW VOLTAGE WIRING TO RTU TO BE ROUTED TO UNIT THRU FACTORY WIREWAY.
2. HUMIDITROL UNITS ONLY: WIRING TO HUMIDITY SENSOR TO BE MADE WITH TWO SEPARATE RUNS OF SHIELDED TWISTED PAIR. TERMINATE SHIELD WIRES AT TB-1, LEAVE OPEN AT SENSOR.
3. NETWORK TSTAT REMOTE TEMP SENSOR PROVIDED BY SUNCOAST AND INSTALLED BY MC. FIELD CALIBRATE EACH SENSOR.

LEGEND	
S.E.C.	SUNCOAST ENVIRONMENTAL CONTROLS (SUPPLIER OF TEMP/FAN CONTROL PANEL) LOCATED IN KITCHEN
1	KEY NOTE REFERENCE
MC	MECHANICAL CONTRACTOR
AC	SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL, ENERGIZED BY PUTTING STORE SWITCH IN "STORE OCCUPIED" POSITION.
AN	SUNCOAST RELAY FACTORY INSTALLED AND WIRED IN CFA-500 PANEL, DENERGIZED WHEN ANSUL FIRE SUPPRESSION SYSTEM IS ACTIVATED, AS NOTED.
	18 AWG MIN LOW VOLTAGE WIRING BY MC, U.N.O. USE BELDEN OR SOUTHWIRE SINGLE PAIR TWISTED WITH FOIL SHIELD AND DRAIN WIRE FOR TEMPERATURE SENSORS (NOT HUMIDITY SENSORS).
	LOW VOLTAGE WIRING BY S.E.C.
	LINE VOLTAGE BY ELECTRICIAN OR S.E.C.



LENNOX PRODIGY CONTROLLER SETTINGS:
1. FOR ALL RTU'S EXCEPT AT AC#1, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #65 TO ZERO (#58 ON LCH UNITS). THIS WILL CAUSE THE O.A. DAMPER TO OPEN ON "OCCUPIED" START. AT AC#1 (LGH TYPE) LEAVE THE SETTING AT THE DEFAULT VALUE SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 60 MINUTES AFTER "OCCUPIED" START. AT AC#1 (LCH TYPE) CHANGE THE VALUE TO 5400 SO THE O.A. DAMPER WILL REMAIN CLOSED FOR THE FIRST 90 MINUTES AFTER "OCCUPIED" START.
2. AT HUMIDITROL RTU'S, SET PRODIGY-M3 BOARD CONTROL PARAMETER #105 FOR DEHUMIDIFICATION OPERATION TO A VALUE OF 7
3. AT HUMIDITROL RTU'S, SET PRODIGY-M3 BOARD CONTROL PARAMETER #106 FOR DEHUMIDIFICATION SET POINT TO A VALUE OF 60 (60% RH).
4. AT HUMIDITROL RTU'S, SET PRODIGY-M3 BOARD CONTROL PARAMETER #107 FOR DEHUMIDIFICATION MODE DEAD BAND TO A VALUE OF 2 (2% RH).
5. AT MSAV UNITS, SET THE MSAV LOW SPEED SETTING TO THE SAME VALUE AS THE HIGH SPEED SETTING AFTER TAB IS COMPLETE.

LENNOX FRESH AIR HEATING SETUP WHEN SPECIFIED:
1. INSTALL FRESH AIR TEMPERING KIT WIRING HARNESS AS RECOMMENDED BY LENNOX.
2. LOCATE SUPPLY AIR TEMPERATURE SENSOR IN SUPPLY DUCT DOWNSTREAM OF FIRST ELBOW. SECURE WIRING TO DUCT OR STRUCTURE WITH RUBBER COATED CLAMPS. DO NOT RUN WIRING INSIDE DUCT WORK. PROTECT ALL WIRING PENETRATIONS WITH RUBBER GROMMETS.
3. FOR PRODIGY 2.0: FIRST SET FRESH AIR HEATING ENABLE TO "YES" THRU THE TAB/DAMPER MENU (LEAVE FRESH AIR COOLING AS "NO"). NEXT, CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #156 TO A VALUE OF 66. THIS WILL PREVENT THE SUPPLY AIR TEMPERATURE FROM DROPPING BELOW 66F DEG DURING HEATING MODE WHEN THERMOSTAT IS NOT ACTIVELY CALLING FOR HEAT.
4. CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #157 TO A VALUE OF 14. THIS WILL MAKE THE DEADBAND VALUE EQUAL 14F.
5. CHANGE PRODIGY-M3 BOARD CONTROL PARAMETER #158 TO A VALUE OF 300. THIS WILL MAKE THE CYCLE TIME VALUE EQUAL 5 MINUTES.

2 ROOFTOP UNIT CONTROL WIRING - LENNOX

NOT TO SCALE

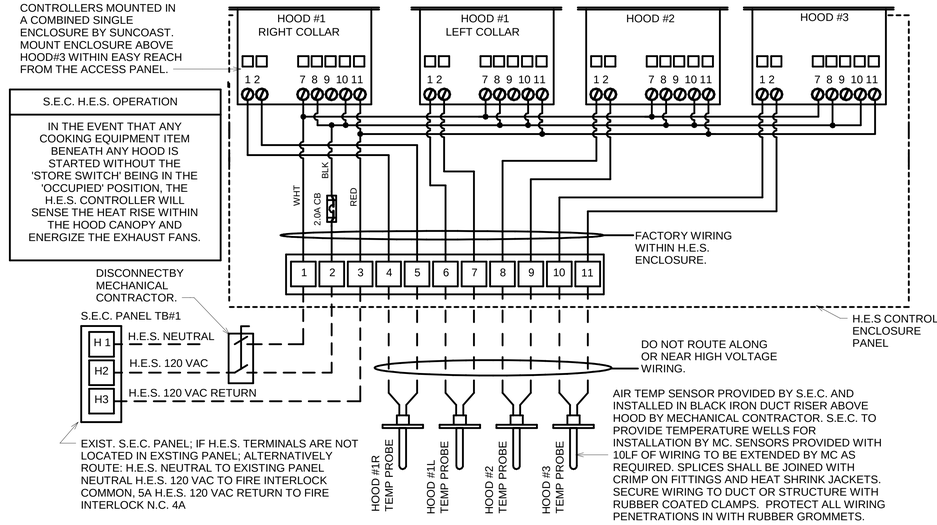
LEGEND	
S.E.C.	SUNCOAST ENVIRONMENTAL CONTROLS CFA-500 ENERGY MGT PANEL
H.E.S.	SUNCOAST ENVIRONMENTAL CONTROLS HOOD EXHAUST SAFETY CONTROLLER
M.C.	MECHANICAL CONTRACTOR
	18 AWG MIN UNSHIELDED LOW VOLTAGE WIRING BY MC, U.N.O.
	120 VAC WIRING BY MECHANICAL CONTRACTOR

GENERAL NOTES
1. MECHANICAL CONTRACTOR TO PURCHASE THE H.E.S. CONTROL PANEL AND COMPONENTS FROM SUNCOAST ENVIRONMENTAL CONTROLS. TELEPHONE 877-544-6679.
2. CONTROLS COMPONENTS TO BE FACTORY MOUNTED IN LABELED NEMA-1 ENCLOSURES.
3. MECHANICAL CONTRACTOR TO PROVIDE A PROFESSIONALLY LAMINATED COPY OF THIS DETAIL ATTACHED TO THE ENCLOSURE.CONTACT ENGINEER OF RECORD FOR A REPRODUCIBLE COPY OF THE DETAIL.

FOUR H.E.S. TEMPERATURE CONTROLLERS MOUNTED IN A COMBINED SINGLE ENCLOSURE BY SUNCOAST. MOUNT ENCLOSURE ABOVE HOOD#3 WITHIN EASY REACH FROM THE ACCESS PANEL.

S.E.C. H.E.S. OPERATION

IN THE EVENT THAT ANY COOKING EQUIPMENT ITEM BENEATH ANY HOOD IS STARTED WITHOUT THE 'STORE SWITCH' BEING IN THE 'OCCUPIED' POSITION, THE H.E.S. CONTROLLER WILL SENSE THE HEAT RISE WITHIN THE HOOD CANOPY AND ENERGIZE THE EXHAUST FANS.



3 HOOD EXHAUST SAFETY SWITCH (H.E.S.S.) WIRING DIAGRAM

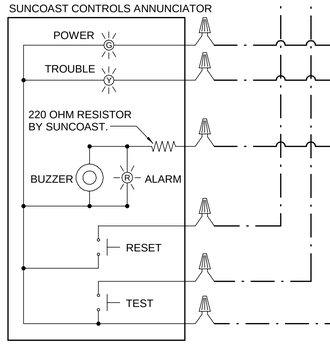
NOT TO SCALE

SUPPLY SIDE DETECTORS:
IF SUPPLY SIDE SMOKE DETECTORS ARE SHOWN ON M-201, AND CALLED FOR ON RTU SCHEDULE, THE CONTRACTOR IS TO VERIFY THAT SMOKE DETECTER IS FACTORY INSTALLED IN ROOFTOP UNIT.

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

LABELING:
PROVIDE ENGRAVED LABEL WITH 1" HIGH WHITE LETTERS ON BLACK BACKGROUND IDENTIFYING UNIT SERVED.

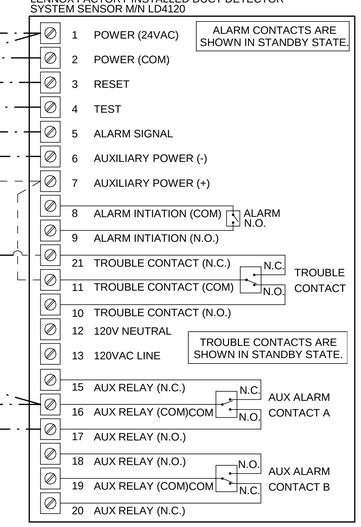
SUNCOAST CONTROLS ANNUNCIATOR



PRODIGY CONTROL BOARD

FIELD INSTALLED WIRING:
WITHIN THE ROOFTOP UNIT, WIRING SHALL BE ROUTED BY WAY OF FACTORY WIRE WAYS ONLY. WIRING ROUTED OVER THE BLOWER HOUSING OR BY WAY OF OTHER ROUTES DETRIMENTAL TO THE WIRING LIFE WILL NOT BE ACCEPTED.

LENNOX FACTORY WIRING
LENNOX FACTORY INSTALLED DUCT DETECTOR SYSTEM SENSOR M/N LD4120



1 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM

NOT TO SCALE

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

ISP INTERNATIONAL SERVICE PARTNERS, LLC
386 S ATLANTIC AVE, UNIT 9
ORMOND BEACH, FL 32176
TEL: (407) 619-5442
COA # 35434

MITESH K. SMART LICENSE No.52772 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHICK-FIL-A
ST. PETE BEACH
4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: SRI S03A
RELEASE: 23.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

PERMIT

CONSULTANT PROJECT #	C29146
PRINTED FOR	PERMIT
DATE	08/28/2023
DRAWN BY	ISP

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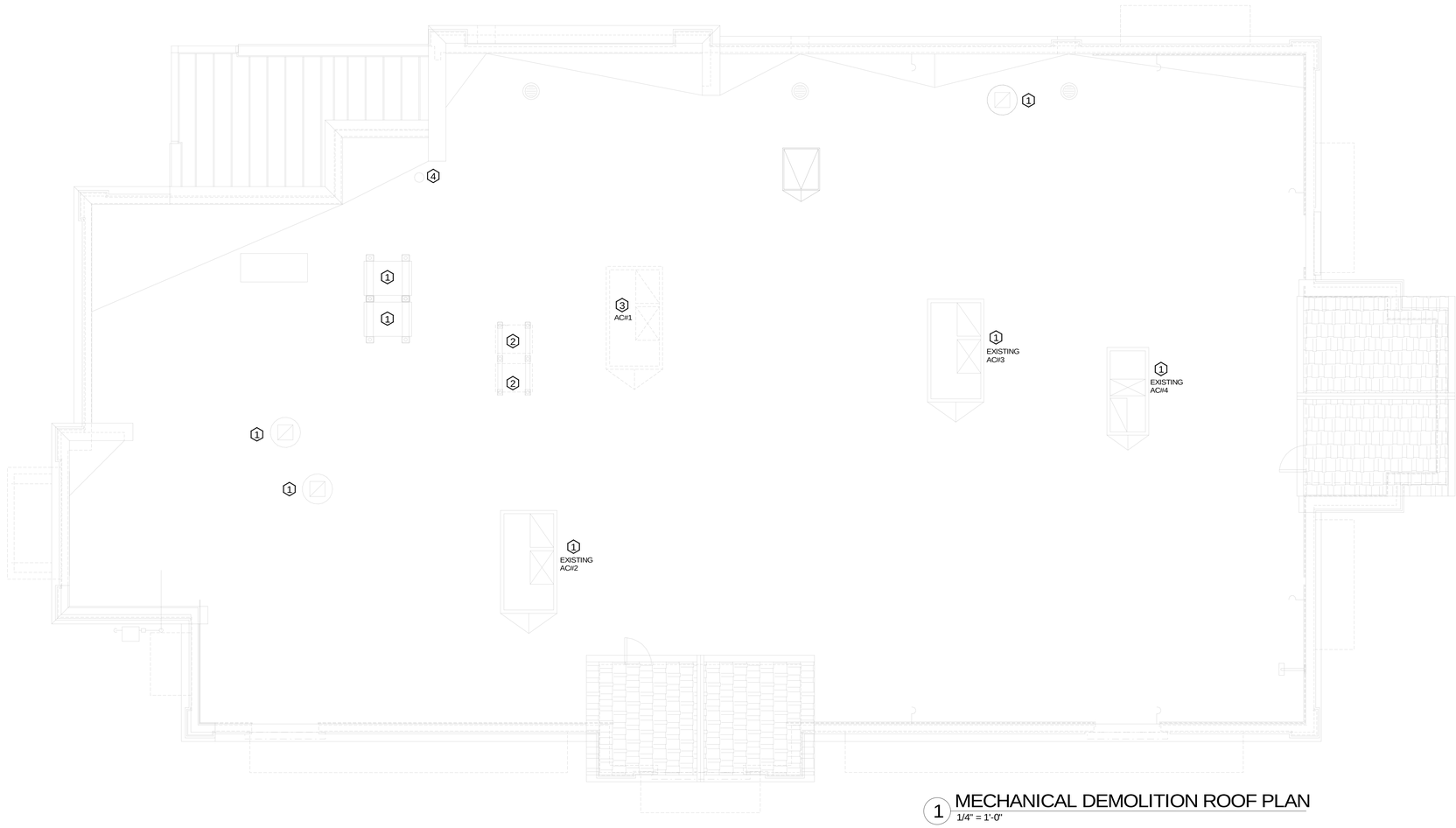
SHEET: HVAC CONTROLS

SHEET NUMBER: **M-501**

Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
8/28/2023 10:49:06 AM
30-S03A-01740-M-501-HVAC CONTROLS



1 MECHANICAL DEMOLITION ROOF PLAN
1/4" = 1'-0"

MECHANICAL GENERAL NOTES:

1. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
2. ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
3. ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.

KEY NOTES:

1. EXISTING EQUIPMENT TO REMAIN.
2. CONTRACTOR SHALL DEMO/REMOVE REMOTE CONDENSING UNITS AND REFRIGERANT PIPING DOWN TO EQUIPMENT BELOW. REFRIGERANT PIPE GOOSENECK IS EXISTING TO REMAIN FOR RE-USE IN RENOVATION PHASE. REFRIGERANTS THAT ARE RECOVERED FROM REFRIGERANT AND AIR-CONDITIONING SYSTEMS SHALL NOT BE REUSED OTHER THAN IN THE SYSTEM FROM WHICH THEY WERE RECOVERED AND IN OTHER SYSTEMS OF THE SAME OWNER. RECOVERED REFRIGERANTS SHALL BE FILTERED AND DRIED BEFORE REUSE. RECOVERED REFRIGERANTS THAT SHOW CLEAR SIGNS OF CONTAMINATION SHALL NOT BE REUSED UNLESS RECLAIMED IN ACCORDANCE WITH SECTION 1102.2.2 OF THE IBC-M 2021.
3. CONTRACTOR SHALL DEMO/REMOVE AND DISCARD KITCHEN AC-1 AND ROOF CURB AS REQUIRED
4. DEMOLISH EXISTING COMBUSTION AIR DUCTWORK IN THE MECHANICAL ROOM. INSULATE, CAP AND SEAL AIRTIGHT DUCT RISERS TO ROOF CAPS.

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

NATIONAL MEP ENGINEERS
386 S ATLANTIC AVE, UNIT 9
ORMOND BEACH, FL 32176
TEL: (407) 619-6442
COA # 35434

CHICK-FIL-A
ST. PETE BEACH

4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: ER S03
RELEASE: 24.02
PRINTED FOR
PERMIT

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
4	01/04/2025	PERMIT REV 4

CONSULTANT PROJECT # C29146
DATE 01/20/25
DRAWN BY NATL

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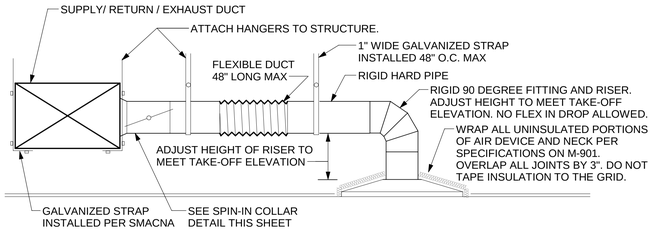
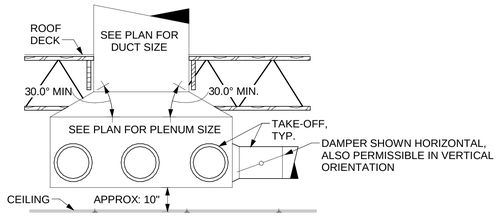
SHEET
MECHANICAL
DEMOLITION ROOF PLAN

SHEET NUMBER
4
M-101

10-02-2025 19:46:29 Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
30-S03-01740-M-101-MECHANICAL DEMOLITION ROOF PLAN



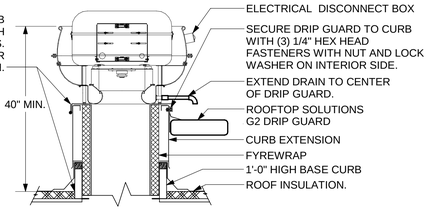
1 SAG/RAG/GRILLE TAKE-OFF - LARGE
NOT TO SCALE



2 RETURN DROP GEOMETRY
NOT TO SCALE

HINGED SIDE OF ALL FANS MUST FACE THE MAIN ENTRY SIDE OF THE BUILDING.

ANCHOR FAN TO CURB CAP AND CURB TO ROOF DECK IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. REFER TO STRUCTURAL DETAILS FOR INFORMATION.

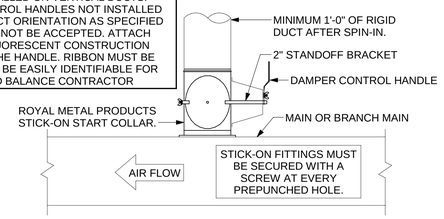


3 KITCHEN HOOD EXHAUST FAN
1/4" = 1'-0"

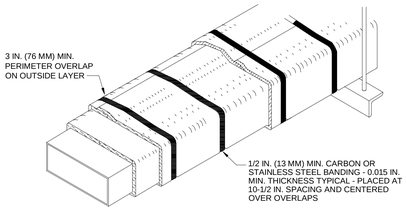
CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE ROYAL METAL PRODUCTS START COLLARS FOR BOTH WITH AND WITHOUT A MANUAL BALANCING DAMPER. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE ROYAL METAL PRODUCTS START COLLARS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. ROYAL METAL PRODUCTS START COLLARS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

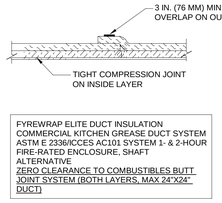
DAMPER CONTROL HANDLE MUST BE EXPOSED, LOCATED ON THE LEFT OR RIGHT (9 OR 3 O'CLOCK) SIDE WHEN INSTALLED ON HORIZONTAL DUCTS, AND LOCATED ON THE LEFT, RIGHT OR BOTTOM (9, 3, OR 6 O'CLOCK) WHEN INSTALLED ON VERTICAL DUCTS. DAMPER CONTROL HANDLES NOT INSTALLED IN THE CORRECT ORIENTATION AS SPECIFIED ABOVE WILL NOT BE ACCEPTED. ATTACH YELLOW FLUORESCENT CONSTRUCTION RIBBON TO THE HANDLE. RIBBON MUST BE 12" LONG AND BE EASILY IDENTIFIABLE FOR TEST AND BALANCE CONTRACTOR

DO NOT APPLY START COLLAR OVER DUCT WRAP

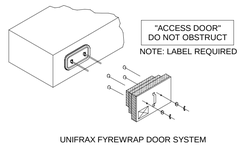


4 START COLLAR - LARGE
NOT TO SCALE





FYREWRAP ELITE DUCT INSULATION COMMERCIAL KITCHEN GREASE DUCT SYSTEM ASTM E 2336/ICCES AC101 SYSTEM 1- & 2-HOUR FIRE-RATED ENCLOSURE, SHAFT ALTERNATIVE
ZERO CLEARANCE TO COMBUSTIBLES BUTT JOINT SYSTEM (BOTH LAYERS, MAX 24"X24" DUCT)



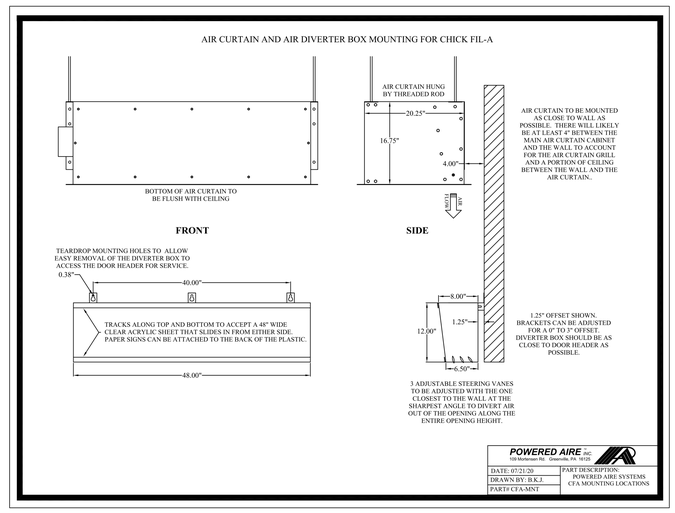
UNIFRAX FYREWRAP DOOR SYSTEM

1. UNIFRAX FYREWRAP ELITE 1.5 DUCT INSULATION HAS BEEN TESTED IN ACCORDANCE WITH ASTM E 2336 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND MEETS THE REQUIREMENTS FOR ONE OR TWO HOUR ENCLOSURES. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH EITHER ASTM E 814 OR UL 1479. ICC-ES APPROVAL PER REPORT ESR 2213 OR ESR 2832. UNDERWRITER'S LABORATORIES (UL) LISTINGS SHOW COMPLIANCE TO UL 1479 FOR THROUGH PENETRATION FIRESTOP SYSTEMS.
2. COMPLIANT TO THE FOLLOWING CODES:

BUILDING CODE: 2020 FLORIDA BUILDING BUILDING CODE	MECHANICAL CODE: 2020 FLORIDA MECHANICAL CODE	ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE	FIRE CODE: 2020 FLORIDA FIRE PREVENTION CODE
PLUMBING CODE: 2020 FLORIDA PLUMBING CODE	FUEL GAS CODE: 2020 FLORIDA FUEL GAS CODE	ENERGY CODE: 2020 FLORIDA ENERGY CONSERVATION CODE	

3. INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON INSIDE LAYER AND 3 INCH MINIMUM OVERLAPS ON BOTH PERIMETER AND LONGITUDINAL OVERLAPS ON OUTSIDE LAYER.
4. GREASE EXHAUST DUCT RUNS FROM THE HOOD EXHAUST CONNECTION UP TO THE EXHAUST FAN ON THE ROOF WITH MINIMAL TURNS OR BENDS AND MAINTAINING MINIMUM 1/4 UNIT VERTICAL RISE PER 12 UNITS HORIZONTAL RUN. NFPA 96 COMPLIANT ACCESS DOORS LOCATED AS REQUIRED BY CODE.
5. UNIFRAX FYREWRAP ELITE 1.5 ACCESS DOORS AS SPECIFIED IN ICC-ES BUILDING CODE REPORTS ESR 2213 OR ESR 2832.
6. ROOF MOUNTED EXHAUST FAN IS MOUNTED ON A HINGED BASE WHICH ALLOWS ACCESS TO THE DUCT FROM THE ROOF.
7. SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE AT LEAST A MINIMUM OF 3/8 IN. DIAMETER. USE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
8. UNIFRAX FYREWRAP ELITE 1.5 DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
9. UNIFRAX FYREWRAP ELITE 1.5 DUCT WRAP SHALL BE INSTALLED ON THE DUCT FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.

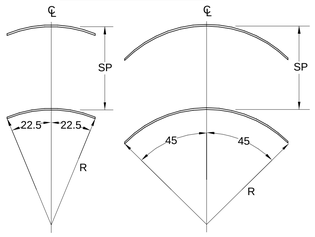
5 GREASE EXHAUST DUCT PROTECTION TO COMBUSTIBLES DETAIL
1/4" = 1'-0"



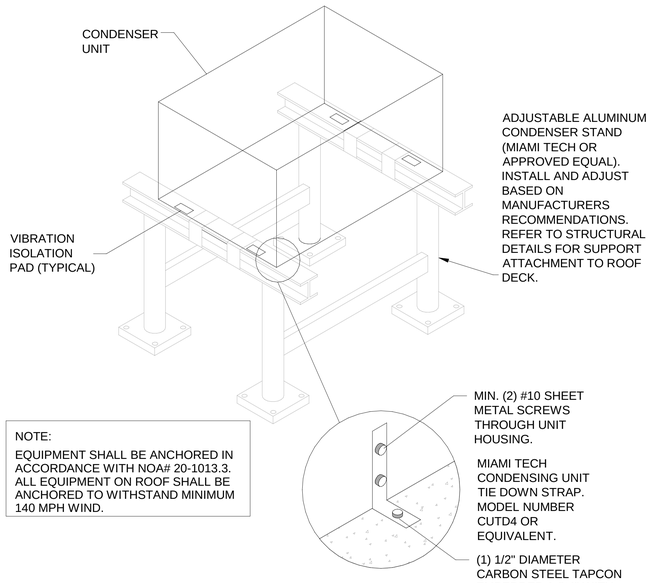
6 AIR DIVERTER DETAIL
12" = 1'-0"

TURNING VANE SCHEDULE		
R	SP	GA
2"	1.5"	24

1. NO TRAILING EDGE.
2. SINGLE THICKNESS CONSTRUCTION.



7 TURNING VANES
NOT TO SCALE



NOTE:
EQUIPMENT SHALL BE ANCHORED IN ACCORDANCE WITH NOA# 20-1013.3. ALL EQUIPMENT ON ROOF SHALL BE ANCHORED TO WITHSTAND MINIMUM 140 MPH WIND.

8 CONDENSER UNIT TIE-DOWN DETAIL
NOT TO SCALE

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5200 Buffington Road
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386 S ATLANTIC AVE, UNIT 9
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TEL: (407) 619-5442
COA # 35434

MITESH K. SMART
LICENSE
No.52772
STATE OF FLORIDA
PROFESSIONAL ENGINEER

CHICK-FIL-A
ST. PETE BEACH
4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: SRI S03A
RELEASE: 23.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

PERMIT

CONSULTANT PROJECT #	C29146
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DATE	08/28/2023
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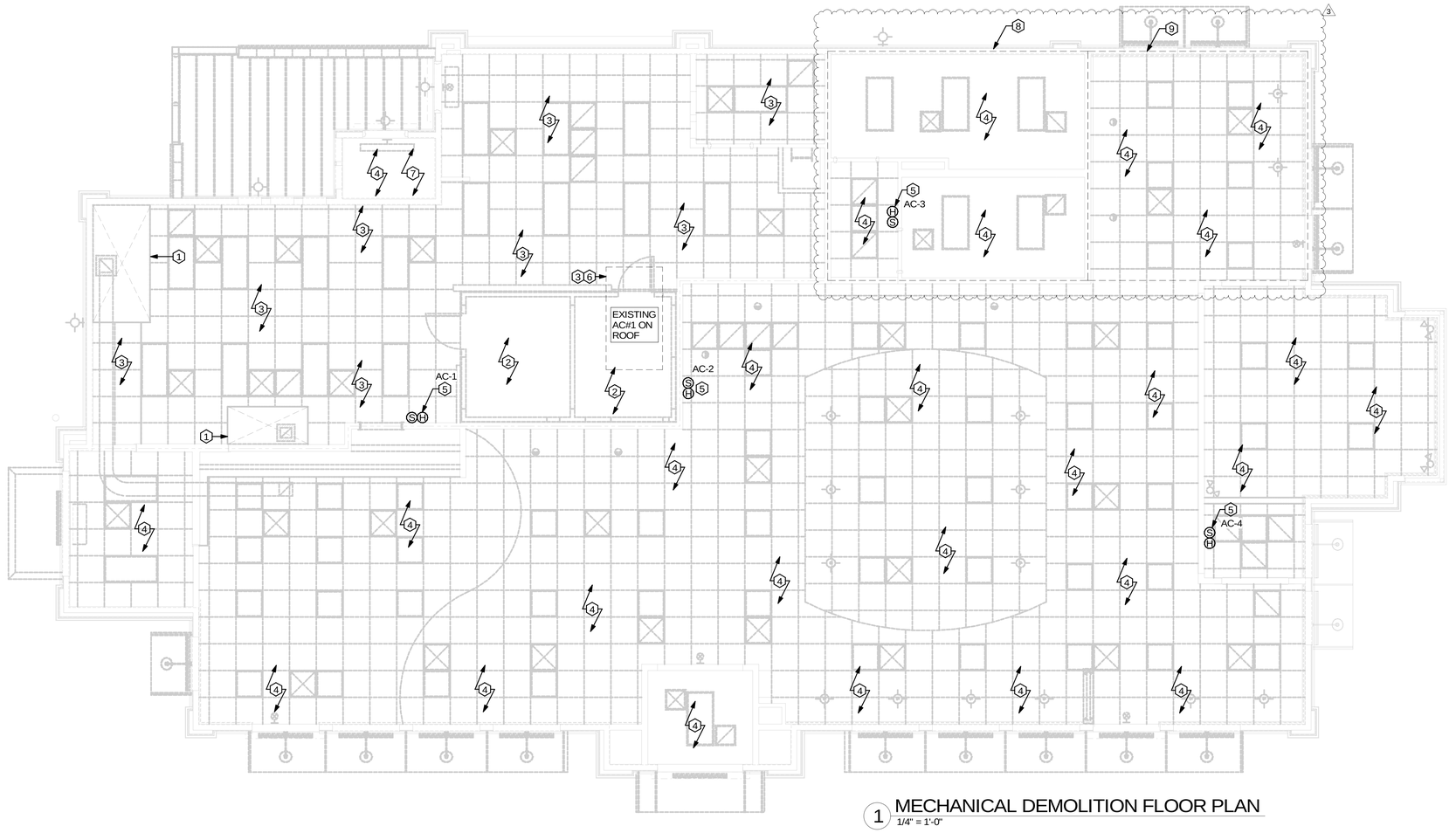
SHEET: HVAC DETAILS

SHEET NUMBER: **M-401**

Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
8/28/2023 10:49:04 AM
30-S03A-01740-M-401-HVAC DETAILS



1 MECHANICAL DEMOLITION FLOOR PLAN
1/4" = 1'-0"

MECHANICAL GENERAL NOTES:

1. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
2. ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
3. ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS AND THE CHICK-FIL-A PROJECT MANUAL. ANY CONTRACTOR IN NEED OF A COPY OF THE CHICK-FIL-A PROJECT MANUAL SHALL CONTACT THE CHICK-FIL-A AREA CONSTRUCTION MANAGER. ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.

KEY NOTES:

1. CONTRACTOR SHALL DEMO/REMOVE AND DISCARD EXHAUST HOOD AND ANSUL FIRE SUPPRESSION. CONTRACTOR SHALL DEMO/REMOVE AND DISCARD INSULATED EXHAUST DUCT UP TO EXISTING EXHAUST FAN LOCATED ON ROOF.
2. CONTRACTOR SHALL DEMO/REMOVE AND DISCARD REFRIGERANT PIPING FROM ALL EXISTING COOLER/FREEZER SPLIT SYSTEM CEILING CASSETTE AND ICE MACHINE EQUIPMENT BACK TO REMOTE CONDENSER LOCATED ON ROOF. REFRIGERANTS THAT ARE RECOVERED FROM REFRIGERANT AND AIR-CONDITIONING SYSTEMS SHALL NOT BE REUSED OTHER THAN IN THE SYSTEM FROM WHICH THEY WERE RECOVERED AND IN OTHER SYSTEMS OF THE SAME OWNER. RECOVERED REFRIGERANTS SHALL BE FILTERED AND DRIED BEFORE REUSE. RECOVERED REFRIGERANTS THAT SHOW CLEAR SIGNS OF CONTAMINATION SHALL NOT BE REUSED UNLESS RECLAIMED IN ACCORDANCE WITH SECTION 1102.2.2 OF THE FBC-M 2020.
3. CONTRACTOR SHALL DEMO/REMOVE AND DISCARD EXISTING SUPPLY AIR AND RETURN AIR PLENUM, SUPPLY AIR DIFFUSERS, RETURN AIR DIFFUSERS, SUPPLY AIR DUCT, RETURN AIR DUCT, AND ALL HANGERS, STRAPS, ETC., AND ALL OTHER HVAC APPURTENANCES ASSOCIATED WITH KITCHEN AC#1.
4. CONTRACTOR TO REMOVE ALL EXISTING SUPPLY AND RETURN GRILLES IN DINING ROOM/VESTIBULE AREAS AS NOTED. EXISTING SUPPLY AND RETURN DUCTWORK TO REMAIN FOR RECONNECTION TO NEW SUPPLY AND RETURN GRILLES DURING RENOVATION.
5. EXISTING SENSORS TO BE REMOVED FOR RENOVATION AND RELOCATED.
6. CONTRACTOR TO DEMO/REMOVE EXISTING AIR DROPS, HANGERS, ALL APPURTENANCES AND WIRING BACK TO SOURCE.
7. DEMOLISH EXISTING COMBUSTION AIR DUCTWORK IN THE MECHANICAL ROOM. INSULATE, CAP AND SEAL AIRTIGHT DUCT RISERS TO ROOF CAPS.

3
8. DEMO EXISTING DUCTWORK IN THIS RR AREA. PROVIDE NEW DUCTWORK TO SERVE NEW RR. REFER TO M-201 FOR INFORMATION.
9. RELOCATE AIR DEVICES TO DINING AREA. REFER TO M-201 FOR INFORMATION.

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

ISP INTERNATIONAL SERVICE PARTNERS, LLC
386 S ATLANTIC AVE, UNIT 9
ORMOND BEACH, FL 32176
TEL (407) 619-6442
COA # 35434

MITESH K. SMART
LICENSE
No.52772
STATE OF FLORIDA
PROFESSIONAL ENGINEER

CHICK-FIL-A
ST. PETE BEACH

4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: SRI S03A
RELEASE: 23.08

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
3	12/14/2023	PERMIT REV 3

PERMIT

CONSULTANT PROJECT #	C29146
PRINTED FOR	PERMIT
DATE	08/28/2023
DRAWN BY	ISP

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SHEET
MECHANICAL
DEMOLITION FLOOR PLAN

SHEET NUMBER
M-102

Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
23-Jan-24 6:38:39 PM
30-S03A-01740-M-102-MECHANICAL DEMOLITION FLOOR PLAN

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	LOCATION	NECK SIZE	FACE SIZE	FRAME TYPE	REMARKS
A	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	DINING/ KITCHEN	VARIES	24"x24"	LAY-IN	1,7
C	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	ENTRY	14"x14"	19"x19"	BEVELED	1,5,6
E	TITUS MODEL 272FL DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE. FRONT BLADE PARALLEL TO LONG SIDE.	PLAY AREA/ MECH	VARIES	VARIES	SURFACE	1
F	PRICE MODEL 80 EGG CRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	DINING/ OFFICE/ KITCHEN	VARIES	24"x24"	LAY-IN	1,7
J	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10"x10"	15"x15"	BEVELED	1,2,5,6
K	PRICE MODEL APDR ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOM/ ENTRY/OFFICE	VARIES	VARIES	SURFACE	1,4,5,6
L	PRICE MODEL 21 ALUMINUM SIDEWALL RETURN GRILLE, FRONT BLADE PARALLEL TO LONG SIDE.	MECH	6"x6"	8"x8"	SURFACE	1

NOTES:

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE AIR DEVICES. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DEVICES DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. AIR DEVICES NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

1. STANDARD OFF WHITE FINISH
2. PROVIDE MODEL VCS3 NECK DAMPER.
3. NOT USED.
4. PROVIDE MODEL VCR7 NECK DAMPER ON GRILLES IN RESTROOMS SERVING EXHAUST FAN.
5. PROVIDE BACKPAN. MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
6. FIELD INSULATE BACKPAN AS SHOWN IN DETAIL ON SHEET M-401.
7. FACTORY INSULATED R-6 BACKPAN.

AIR BALANCE SCHEDULE

MARK	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	EXHAUST AIR	BUILDING POSITIVE PRESSURE
	5				
NEW AC-1	4,400	3,200	1,200		
AC-2 (EXISTING)	3,500	2,300	1,200		
AC-3 (EXISTING)	3,800	2,600	1,200		
AC-4 (EXISTING)	1,800	1,500	300		
EF-1 (EXISTING)				1,500	
EF-2 (EXISTING)				950	
EF-3 (EXISTING)				500	
TOTALS:	13,500	9,600	3,900	2,950	+950
	5				5

NOTES:

- CONTRACTOR SHALL REBALANCE AIR CONDITIONING SYSTEMS TO VALUES LISTED ABOVE.

AIR DOOR SCHEDULE

MARK	CFM	VELOCITY	HEATING CAPACITY	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
AD-1	1,543	2,240 FPM	10 KW	3/4 HP	DRIVE THRU	CHA-1-48(E)	POWERED AIRE	1,2,3,5
AD-2	3,867	4,220 FPM	N/A	3/4 HP	REAR DOOR	RBT-1-48	POWERED AIRE	4

NOTES:

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARROW COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010, FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARROW COMPANY WILL NOT BE ACCEPTED.

REMARKS:

1. FACTORY PROVIDED, WIRED AND UNIT MOUNTED SPEED CONTROLLER LOCATED ABOVE CEILING.
2. FACTORY WIRED DISCONNECT.
3. FACTORY PROVIDED, FIELD INSTALLED BY MC, REMOTE WALL SWITCHES FOR HEATING ON/OFF AND FAN ON/AUTO. SEE DETAIL, AIR CURTAIN WIRING DIAGRAM.
4. FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.
5. PROVIDE WITH DIVERTER BOX. PROVIDE WITH MOUNTING BRACKETS PER MANUFACTURER'S RECOMMENDATION.

GAS FIRED ROOFTOP UNIT SCHEDULE

MARK	AREA SERVED	TONNAGE	COOLING CAPACITY (MBH)		HEATING CAPACITY (MBH)		FAN SECTION (CFM) INCLUDING EXISTING AC UNITS REBALANCE				MODEL	% OA	MODEL	MANUFACTURER	ELECTRICAL DATA			REMARKS	APPROX. WEIGHT WITH OPTIONS (POUNDS)
			TOTAL	SENS	INPUT	OUTPUT	SUPPLY	O.A.	HP	ESP					V/PH/HZ	MCA	MOCP		
5																			
NEW AC-1	KITCHEN, OFFICE	12.5	138.0	99.0	240	194	4,400	1,200	3.75	1.0		27.3%	LGT150HSEH	LENNOX	208/3/60	64	80	1,2,3,4,5,6,7,8,9,10,13,14	1,800
EXISTING AC-2	SERVING, ORDER	10	EXISTING	EXISTING	EXISTING	EXISTING	3,500	1,200	-	-	EXISTING	34.3%	EXISTING	EXISTING	208/3/60	-	-	EXISTING	EXISTING
EXISTING AC-3	DINING, RR VESTIBULE	12	EXISTING	EXISTING	EXISTING	EXISTING	3,800	1,200	-	-	EXISTING	31.5%	EXISTING	EXISTING	208/3/60	-	-	EXISTING	EXISTING
EXISTING AC-4	PLAY AREA	5.0	EXISTING	EXISTING	EXISTING	EXISTING	1,800	300	-	-	EXISTING	16.2%	EXISTING	EXISTING	208/3/60	-	-	EXISTING	EXISTING

NOTES:

- COOLING CAPACITIES ARE GROSS, BASED ON ENTERING: 80°F DB/67°F WB, OUTDOOR: 95°F DB.
- CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION. CONTACT LENNOX NATIONAL ACCOUNTS AT 972-497-6219 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY.
- MECHANICAL CONTRACTOR TO VERIFY LENNOX SUBMITTAL WITH CONSTRUCTION DOCUMENTS.

CONTRACTOR SHALL VERIFY EXACT ELECTRICAL CONNECTIONS, WIRE SIZES, BREAKERS, DISCONNECT, ETC. FOR THE NEW ROOFTOP UNITS PRIOR TO ORDERING AND BID.

REMARKS:

1. PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
2. PROVIDE 14" HIGH ROOF CURB. PROVIDE CURBS PLUS ANCHOR IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION.
3. SEE DETAIL ON SHEET M-501 FOR SETTING OF PRODIGY M3 BOARD CONTROL PARAMETERS BY MC.
4. PROVIDE FACTORY INSTALLED AND UNIT POWERED 115V GFI SERVICE OUTLET.
5. PROVIDE FACTORY INSTALLED SUPPLY AND RETURN SIDE SMOKE DETECTOR.
6. PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
7. PROVIDE 2' MERV 8 THROW AWAY FILTERS.
8. PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS.
9. PROVIDE FACTORY COIL HAIL GUARD, FIELD INSTALLED.
10. PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR.
11. PROVIDE FACTORY INSTALLED BELT TENSIONER.
12. PROVIDE FACTORY CONFIGURED PHASE LOSS PROTECTION.
13. PROVIDE FACTORY INSTALLED CONDENSATE PAN DRAIN OVERFLOW SWITCH.
14. PROVIDE UNIT WITH MSAV BLOWER.

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

NATIONAL MEP ENGINEERS
386 S ATLANTIC AVE, UNIT 9
ORMOND BEACH, FL 32176
TEL: (407) 619-6442
COA # 35434

CHICK-FIL-A
ST. PETE BEACH

4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: ER S03
RELEASE: 24.02
PRINTED FOR
PERMIT

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
4	01/04/2025	PERMIT REV 4
5	02/16/2025	PERMIT REV 5

CONSULTANT PROJECT # C29146
DATE 01/20/25
DRAWN BY NATL

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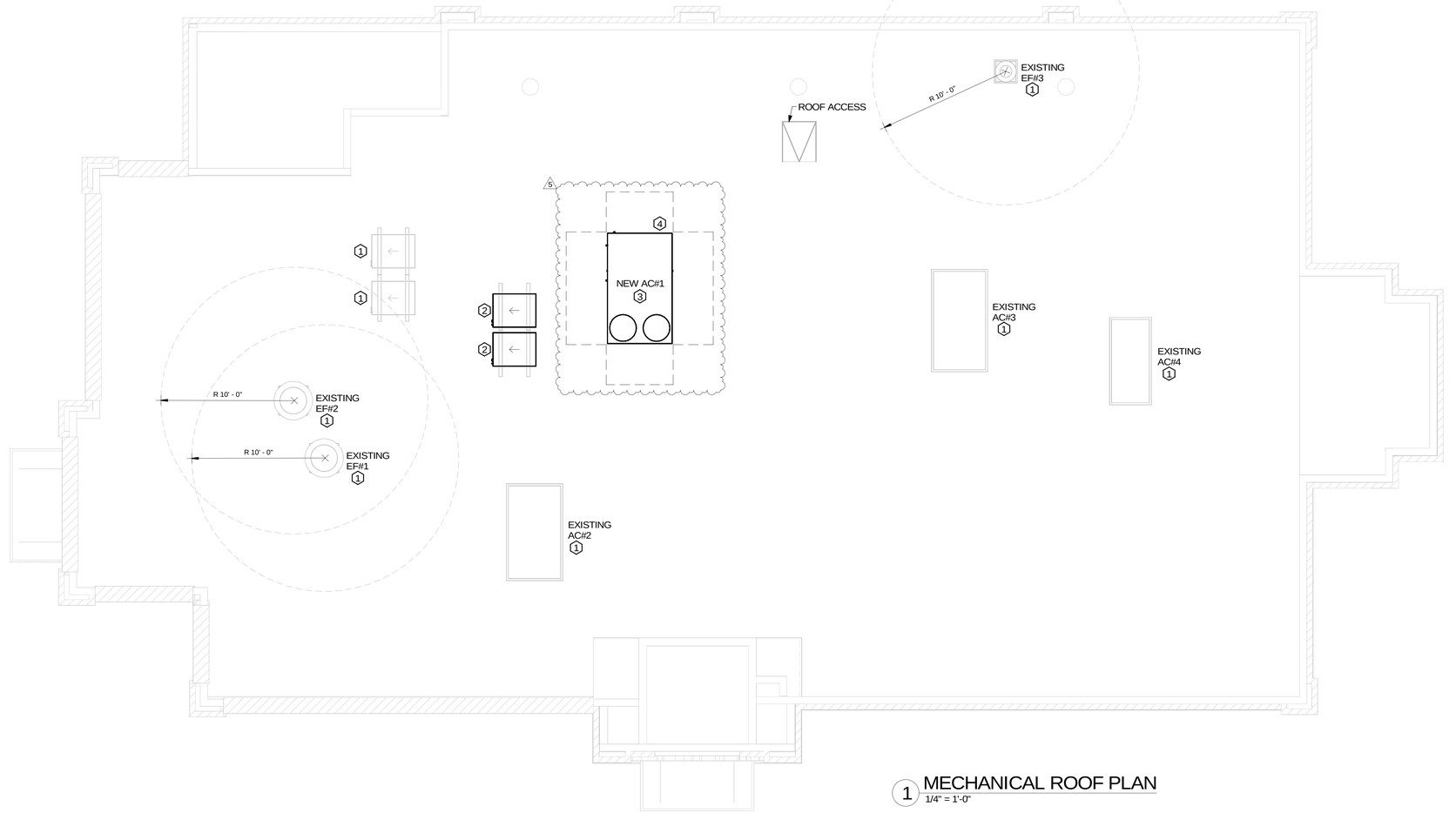
SHEET
HVAC SCHEDULES

SHEET NUMBER
4 M-402

10-02-2025 19:46:32 Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
30-S03-01740-M-402-HVAC SCHEDULES



1 MECHANICAL ROOF PLAN
1/4" = 1'-0"

MECHANICAL GENERAL NOTES

1. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
2. ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
3. ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH CHICK-FIL-A SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS ANY VARIANCE FROM THE CHICK-FIL-A SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.
6. AT EACH PIECE OF ROOF EQUIPMENT, PROVIDE UNIT DESIGNATION ON A PLASTIC ENGRAVED LABEL WITH 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. THE LABEL IS TO HAVE A SELF ADHESIVE BACKING.

KEY NOTES:

1. EXISTING EQUIPMENT TO REMAIN.
2. CONTRACTOR TO INSTALL NEW FREEZER/COOLER CONDENSING UNIT ON EXISTING CONDENSING UNIT RACK. ROUTE NEW INSULATED REFRIGERANT PIPING DOWN THROUGH EXISTING REFRIGERANT GOOSENECK TO NEW FREEZER/ COOLER EVAPORATOR BELOW.
3. CONTRACTOR SHALL INSTALL NEW LENNOX AC-1 WITH NEW ROOF CURB. CONTRACTOR SHALL COORDINATE ROOF PENETRATION OPENINGS. REFER TO RTU SCHEDULE FOR FURTHER INFORMATION.
4. OUTSIDE AIR INTAKE HOOD. ENSURE THAT HOOD INTAKE IS A MINIMUM OF 10'-0" FROM ANY EXHAUST OR PLUMBING VENT DISCHARGE.

Chick-fil-A
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Atlanta, Georgia
30349-2998

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COA # 35434

CHICK-FIL-A
ST. PETE BEACH

4623 GULF BOULEVARD
ST. PETE BEACH, FL 33706

FSR#01740

BUILDING TYPE / SIZE: ER S03
RELEASE: 24.02
PRINTED FOR

PERMIT

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
4	01/04/2025	PERMIT REV 4
5	02/16/2025	PERMIT REV 5

CONSULTANT PROJECT # C29146
DATE 01/20/25
DRAWN BY NATL

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SHEET
MECHANICAL ROOF PLAN

SHEET NUMBER
4 M-250

10-02-2025 19:46:31 Autodesk Docs://FL_01740_St Pete Beach FSU_2021.4_REI/01740_St Pete Beach FSU_Remodel_MEC.rvt
30-S03-01740-M-250-MECHANICAL ROOF PLAN

Governmental Agencies

Building Department

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BUILDING SERVICES
155 COREY AVE.
ST. PETE BEACH, FL. 33706
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FAX: 727-363-9222
CONTACT: MR. JERRY SPARKS

Fire Department

CITY OF ST. PETE BEACH
FIRE DEPARTMENT
7301 GULF BLVD.
ST. PETE BEACH, FL 33706
PHONE: 727-363-9207
FAX: 727-360-5744
CONTACT: MR. ERNIE HAND

Health Department

DIVISION OF HOTELS & RESTAURANTS
(DBPR)
3725 W. GRACE ST. SUITE 520
TAMPA, FLORIDA 33607
PHONE: 813-356-1607
CONTACT: PLANS EXAMINER

Building Data

BUILDING CODE:
FLORIDA BUILDING CODE 2001
W/ 2003 AMENDMENTS
PLUMBING CODE:
FLORIDA PLUMBING CODE 2001
W/ 2003 AMENDMENTS
MECHANICAL CODE:
FLORIDA MECHANICAL CODE 2001
W/ 2003 AMENDMENTS
ELECTRICAL CODE:
NATIONAL ELECTRICAL CODE 2003
FIRE CODE:
FLORIDA FIRE CODE 2001

CONSTRUCTION TYPE: TYPE V: (6) UNPROTECTED

OCCUPANT LOAD: 335

SPRINKLERS: NONE

PLUMBING FIXTURES:	
WATER CLOSETS	3
URINALS	1
LAVATORIES	4

EXIT WIDTH:	
KITCHEN - DOOR #1:	40"
DINING - DOOR #2 & 3:	68"
DINING- DOOR #1 & 4:	34" EA.

FOR CONSTRUCTION

Chick-fil-A
5200 BUFFINGTON ROAD
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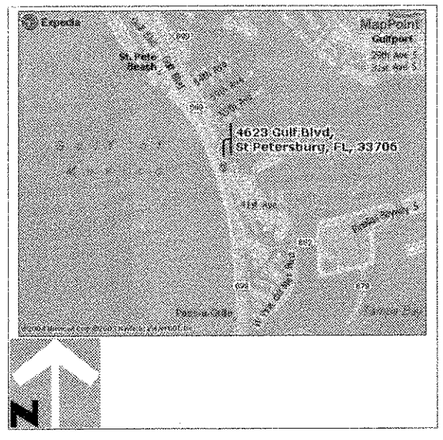
SERIES 03-A

DOLPHIN VILLAGE
4623 GULF BOULEVARD
ST. PETE BEACH, FLORIDA

33706

FOR CONSTRUCTION

01740 ST. PETE BEACH FSU 4/7/2005



1 VICINITY MAP
NOT TO SCALE

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Items of Importance

1. THIS BUILDING HAS INTERIOR DESIGN WITH MINOR DEVIATIONS TO 170 SEAT SO3-A BUILDING DESIGN.
2. THE EXTERIOR OF THE BUILDING HAS BEEN MODIFIED TO WATERPROOF WALL TO AN ELEVATION OF 2'-6" ABOVE FINISH FLOOR. THIS MEANS THE WALLS UNDER WINDOWS ARE WATERPROOFED AND FLOOD BARRIERS ARE DESIGNED TO BE INSTALLED AT DOOR OPENINGS TO CONFORM TO FEMA REQUIREMENTS.
3. THE BUILDING & SITE ARE RAISED FROM SURROUNDING GRADE, WHICH REQUIRES STAIRS AND RAMPS AT ALL EXTERIOR DOORS.
4. THE BUILDING IS LOCATED IN WIND BLOWN DEBRIS AREA AND ALL OPENINGS (DOORS & WINDOWS) MUST BE PROTECTED FROM WIND BLOWN DEBRIS IMPACT. THIS WILL BE ACCOMPLISHED WITH STORM PANELS- REI TO ADDITIONAL NOTES.

FLOODPROOFING REQUIREMENT NOTES

1. GENERAL CONTRACTOR TO ENGAGE SERVICES OF FLOOD BARRIER/ PROTECTION SUB-CONTRACTOR TO DESIGN AND INSTALL FLOOD BARRIER PROTECTION (DAMS/PANELS) AT EXTERIOR DOORS.

2. THIS BARRIER SUB-CONTRACTOR MUST PROVIDE INSTALLATION INSTRUCTIONS AND TRAINING ON INSTALLATION FOR BARRIER PANELS. INSTRUCTIONS AND TRAINING DOCUMENTS WILL BECOME PART OF FLOOD CERTIFICATE, "FLOOD EMERGENCY OPERATION PLAN" AND "INSPECTION & MAINTENANCE PLAN"

3. GENERAL CONTRACTOR AND BARRIER SUB-CONTRACTOR WILL BE REQUIRED TO ASSIST IN PREPARATION OF FINAL/ PERMANENT "FLOOD EMERGENCY OPERATION PLAN" AND "INSPECTION & MAINTENANCE PLAN" TO CONFORM TO CITY OF ST. PETE BCH, FEMA AND NFIP REQUIREMENTS.

4. GENERAL CONTRACTOR SHALL INCORPORATE MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS TO FLOODPROOFING REQUIREMENTS' TO INCLUDE, BUT NOT LIMITED TO SHUT-OFF VALVES ON ALL SLAB PENETRATING PLUMBING; WATERTIGHT CONDUIT FOR SLAB PENETRATING ELECTRICAL; PROPER MOUNTING HEIGHTS OF ELECTRICAL DEVICES TO MAINTAIN WATERPROOFING; INSTALLATION OF SUMP PUMP SYSTEM FOR REMOVING FLOOD WATERS WHICH LEAK INTO BUILDING; PROVISION FOR ELECTRICAL POWER GENERATION TO SERVE SUMP PUMP, ASSUMING MAIN POWER IS SHUT-OFF DURING FLOOD PRONE PERIODS."

STORM PANEL NOTES

1. GENERAL CONTRACTOR TO ENGAGE SERVICES OF LOCAL STORM PROTECTION SUB-CONTRACTOR TO DESIGN AND INSTALL CORRUGATED STEEL OR ALUMINUM STORM PROTECTION PANELS AT STOREFRONT DOORS AND WINDOWS.
2. STORM PANELS TO BE DESIGNED TO WITHSTAND THE DESIGN PRESSURES GENERATED BY 130 MPH WINDSPEED, AS SHOWN ON THE EXTERIOR ELEVATIONS ON SHEETS A2.1 AND A2.2.
3. STORM PROTECTION SUB-CONTRACTOR TO PROVIDE CALCULATIONS AND SHOP DRAWINGS AS REQUIRED TO SECURE STORM PANEL PERMIT, INSPECTION, AND APPROVAL FROM THE PERMIT JURISDICTION.
4. STORM PROTECTION SUB-CONTRACTOR TO FABRICATE AND INSTALL A METAL RACK FOR STORAGE OF THE STORM PANELS, TO BE LOCATED BEHIND THE BOLLARDS IN THE DUMPSTER ENCLOSURE.

FOR CONSTRUCTION

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FAX: (770) 874-5554
CONTACT: RICK ABT

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

Revisions:

Mark	Date	By
1	9/17/04	rea
	COORD. REVISIONS	
2	9/24/04	TDG
	DBPR REV.- P.E. & K.S.M.E.	
3	10/15/04	
	CLIENT COMMENTS RETAINING SHL.-S1 & S2	
4	10/22/04	rea
	PERMIT COMMENTS - NO ZONE REV. FLOODPROOF CERT.	

Mark	Date	By

Seal

INTERPLAN LLC
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT
933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5008
FX 407.629.9124
AA 0043231
CA 8660

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
TITLE SHEET
TDG

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	JB
Checked By:	TDG

Sheet
T-1.1

SITE CONSTRUCTION PLANS

DOLPHIN VILLAGE
4623 GULF BLVD., ST. PETE BEACH, FL

GENERAL NOTES

1. SITE ADDRESS: 4623 GULF BLVD., ST. PETE BEACH, FLORIDA.

2. THIS SITE IS IN A FLOOD PRONE AREA, IT IS IN ZONE AE, AN AREA INUNDATED BY 100 YEAR FLOOD BASED ON FLOOD INSURANCE RATE MAP, PANEL NO. 125149 0276 G, HAVING AN EFFECTIVE DATE OF SEPTEMBER 3, 2003, CITY OF ST. PETE BEACH, PINELLAS COUNTY, FLORIDA.

3. THE SITE SHALL BE CLEARED AS MAY BE NOTED ON PLAN, OF ALL OBSTRUCTIONS AND DELETERIOUS MATERIAL SUCH AS FENCES, WALLS, FOUNDATIONS, LOGS, SHRUBS, BRUSH, WEEDS, OTHER VEGETATION, AND ACCUMULATION OF RUBBISH OF WHATEVER NATURE. THIS MATERIAL SHALL BE SATISFACTORILY DISPOSED OF OFF-SITE.

4. BOUNDARY, TOPOGRAPHIC AND TREE SURVEY BY ACCURIGHT SURVEYS OF ORLANDO, INC., 2012 E. ROBINSON STREET, ORLANDO, FLORIDA 32803, DATED APRIL 6, 2004. TEL. NO. (407) 894-6314.

5. BENCHMARK - REFER TO BOUNDARY, TOPOGRAPHIC AND TREE SURVEY BY ACCURIGHT SURVEYS, DATED APRIL 6, 2004. SEE NOTE 4 ABOVE.

6. LEGAL DESCRIPTION SHOWN HEREON IS FURNISHED BY SURVEYOR, AND IS INCLUDED FOR PERMITTING AND APPROVAL PURPOSES, AND AS A COURTESY FOR THE CONTRACTOR. INTERPLAN PRACTICE, LTD. ASSUMES NO LIABILITY FOR ITS ACCURACY OR COMPLETENESS.

7. THE LOCATION OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO LIABILITY FOR ITS ACCURACY AND COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.

8. SITE GEOTECHNICAL INVESTIGATION WAS PERFORMED BY GILES ENGINEERING ASSOCIATES. ENGINEER ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, ACCURACY AND COMPLETENESS OF THEIR WORK. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL ENGINEER'S REPORT FOR THIS SITE AND COMPLY WITH RECOMMENDATIONS CONTAINED THEREIN. IF ADDITIONAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL MAKE A REQUEST TO THE OWNER OR CONSTRUCTION REPRESENTATIVE.

9. CONTRACTOR SHALL PROVIDE AND INSTALL EROSION CONTROL DEVICES (SILT FENCE OR OTHER METHODS) AT LIMITS OF CONSTRUCTION AND AROUND EACH STORM INLET PRIOR TO CONSTRUCTION, AND SHALL MAINTAIN SAID EROSION CONTROL DEVICES DURING CONSTRUCTION, ALL IN CONFORMANCE WITH CURRENT LOCAL, COUNTY AND STATE CRITERIA.

10. DUE TO GRAPHIC LIMITATIONS OF THE DRAWING SCALE, ALL STORM SEWER, DRAINAGE, WATER AND SANITARY SEWER MAINS, SERVICES, LATERALS, CONNECTIONS, AND APPURTENANCES DEPICTED HEREIN - UNLESS OTHERWISE LOCATED BY DIMENSIONS - REFLECT SCHEMATIC LOCATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LOCATIONS IN ACTUAL CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, INCLUDING ANY REQUISITE COORDINATION WITH THE RESPECTIVE GOVERNING AGENCY/UTILITY PROVIDER.

11. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE PLANS OR FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.

12. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE EXISTING GULF BLVD R.O.W. w/ FDOT.

13. SCS SOILS TYPE: SEE SOILS REPORT.

14. STORMWATER MANAGEMENT IS PROVIDED BY MASTER DRAINAGE SYSTEM.

15. THE CONTRACTOR SHALL RESTORE OFF-SITE AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING PRIOR TO COMMENCEMENT OF CONSTRUCTION.

16. ALL DISTURBED AREAS SHALL BE SODDED. INCLUDING THOSE AREAS WITHIN FDOT RIGHT-OF-WAY.

17. WHEN PROPOSED CONSTRUCTION OCCURS AT EXISTING MANHOLES, INLETS, VAULTS, AND OTHER STRUCTURES, THE CONTRACTOR SHALL MODIFY THE STRUCTURES, FRAMES, AND GRATES TO MEET THE PROPOSED GRADES UNLESS OTHERWISE DIRECTED.

18. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION OF WATER, WASTEWATER AND STORM WATER SYSTEMS IS COMPLETE SO THAT TIMELY CERTIFICATIONS MAY BE INITIATED.

19. AT LEAST 30 DAYS PRIOR TO ANTICIPATED COMPLETION OF SITE CONSTRUCTION, THE FINAL CERTIFICATION PROCESS WILL BEGIN. THE CONTRACTOR SHALL PROVIDE DOCUMENTS AND INFORMATION, IN A TIMELY MANNER, TO ENGINEER AND LANDLORD, INCLUDING, WITHOUT LIMITATION:

a. SURVEYED "AS-BUILTS" OF ALL UTILITIES AND STORMWATER SYSTEMS.
b. COMPACTION AND DENSITY TEST REPORTS, AND
c. PRESSURE TESTING AND BACTERIAL TESTING RESULTS, AS REQUIRED, FOR WATER DISTRIBUTION AND/OR WASTEWATER COLLECTION/TRANSMISSION SYSTEMS.

THE CONTRACTOR SHALL HAVE TWO (2) SETS OF AS-BUILT PLANS, SIGNED AND SEALED BY SURVEYOR OF RECORD, ON SITE THE DAY OF THE CIVIL ENGINEERING FINAL PUNCH LIST INSPECTION. THE GENERAL CONTRACTOR IS TO GIVE THE TWO AS-BUILT PLANS TO THE REPRESENTATIVE FROM INTERPLAN COMPLETING THE INSPECTION. IF ANY DEFICIENCIES ARE NOTED, ONE SET OF RED-LINED AS-BUILT PLANS WILL BE GIVEN TO THE GC FOR REVISIONS TO BE MADE. REVISED AS-BUILTS WILL NEED TO BE FORWARDED TO INTERPLAN BEFORE ANY CERTIFICATIONS CAN BE INITIATED.

20. ALL TRAFFIC CONTROL DEVICES, EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION AND/OR FLORIDA DEPARTMENT OF TRANSPORTATION.

21. PARKING STALLS SHALL CONFORM WITH LOCAL CODE.

22. HANDICAP PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM WITH ADA REQUIREMENTS AND LOCAL ORDINANCE.

23. LANDSCAPE SHALL BE TRIMMED TO ENSURE SIGHT VISIBILITY OF TRAFFIC CONTROL DEVICES.

24. ALL PAVEMENT IS DIMENSIONED TO FACE OF CURB.

25. ALL BUILDING DIMENSIONS AND TIES ARE TO OUTSIDE FACE. SEE ARCHITECTURAL PLANS.

26. ANY CONSTRUCTION DEBRIS KEPT ON-SITE SHALL BE LIMITED TO 10' HEIGHT.

27. THE CONTRACTOR SHALL REMAIN SOLELY RESPONSIBLE FOR ANY DESIGN CHANGES WHICH HE MAY INCORPORATE INTO THE PLANS WITHOUT PRIOR WRITTEN CONSENT AND/OR APPROVAL FROM THE OWNER AND THE ENGINEER.

UTILITY NOTES

PRIOR TO COMMENCING ANY CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, INCLUDING WITHOUT LIMITATION POTABLE WATER, RECLAIMED WATER, SANITARY SEWER, AND SERVICE UTILITIES, AT POINTS OF CONNECTION, POINTS OF CROSSING, AND/OR POTENTIAL CONFLICT. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS.

A. GENERAL

1. ALL WATER AND SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF PINELLAS COUNTY UTILITIES AND CITY OF ST. PETERSBURG BEACH UTILITY DEPARTMENT, RESPECTIVELY, AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.

2. THE LOCATIONS OF EXISTING UTILITIES SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER DO NOT, HOWEVER, ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES - 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION - FOR FIELD-LOCATION OF THEIR RESPECTIVE FACILITIES PRIOR TO ANY WORK. CONTACT SUNSHINE STATE ONE CALL FOR LOCATION OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.

4. DUE TO GRAPHIC LIMITATIONS OF THE DRAWING SCALE, ALL WATER AND SEWER MAINS, SERVICES, LATERALS, CONNECTIONS, AND APPURTENANCES DEPICTED HEREIN - UNLESS OTHERWISE LOCATED BY DIMENSIONS - REFLECT SCHEMATIC LOCATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LOCATIONS IN ACTUAL CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, INCLUDING ANY REQUISITE COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER.

5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE PLANS AND FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.

6. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE EXISTING GULF BLVD R.O.W. w/ FDOT.

7. CONTRACTOR SHALL INSPECT PIPING AND MATERIALS BEFORE INSTALLATION TO DETECT APPARENT DEFECTS. MARK DEFECTIVE MATERIALS WITH WHITE PAINT AND PROMPTLY REMOVE FROM SITE.

8. LAY SEWER PIPING BEGINNING AT LOW POINT OF SYSTEM (CONNECTION TO OFF SITE SYSTEM OR PUMP STATION), TRUE TO GRADES AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERTS. PLACE BELL ENDS OR GROOVE ENDS OF PIPING FACING UPSTREAM. PROVIDED FIVE (5) BUSINESS DAYS NOTICE OF INTENT TO CONNECT TO FORCE MAIN.

9. CLEAR INTERIOR OF PIPE OF DIRT AND OTHER SUPERFLUOUS MATERIAL AS WORK PROGRESSES. MAINTAIN SWAB OR DRAG IN LINE AND PULL PAST EACH JOINT AS IT IS COMPLETED. PLACE PLUGS IN ENDS OF UNCOMPLETED CONDUIT WHENEVER WORK STOPS.

10. MAINTAIN 36" (MINIMUM) COVER OVER MAINS, AND 36" (MIN) OVER SERVICES/LATERALS.

11. INSTALL CONTINUOUS LOCATOR TAPE/WIRE, LOCATED DIRECTLY OVER POTABLE WATER MAINS AT 6" TO 8" BELOW FINISHED GRADE.

12. WHERE POTABLE WATER AND SANITARY SEWER MAINS CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL CLEARANCE OR WHERE THE SEWER MAIN IS ABOVE THE WATER MAIN, THE SEWER MAIN SHALL BE ENCASED WITH CONCRETE OR ENCLOSED IN A WATER TIGHT CARRIER PIPE, OR UPGRADED TO DUCTILE IRON PIPE OR PRESSURE RATED PVC PIPE (MEETING THE AWWA C-900 OR C-905 SPECIFICATION) FOR A MINIMUM LENGTH OF TWENTY (20) FEET, CENTERED ON THE POINT OF CROSSING. A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET (EDGE TO EDGE) BETWEEN POTABLE WATER MAINS AND SEWER MAINS SHALL BE MAINTAINED WHEN AT ALL POSSIBLE. WHEN THE 10-FOOT HORIZONTAL SEPARATION CANNOT BE MAINTAINED THE WATER MAIN SHALL BE INSTALLED IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 18" ABOVE THE SEWAGE MAIN. ALTERNATIVELY, THE SEWER MAIN SHALL BE ENCASED WITH CONCRETE OR ENCLOSED IN A WATER-TIGHT CARRIER PIPE, OR UPGRADED TO DUCTILE IRON PIPE OR PRESSURE RATED PVC PIPE (MEETING THE AWWA C-900 OR C-905 SPECIFICATION) AND PRESSURE TESTED AT 150 PSI (1034 KPA) TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

13. WHERE APPLICABLE, UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACK FILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH A.A.S.H.T.O.-T-99.

14. CONTRACTOR SHALL PROVIDE SLEEVES FOR IRRIGATION LINES UNDER PAVEMENT. COORDINATE WITH GENERAL CONTRACTOR.

15. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION IS COMPLETE FOR WATER, WASTEWATER AND STORMWATER SYSTEMS SO TIMELY CERTIFICATIONS MAY BE INITIATED. SATISFACTORY BACTERIOLOGICAL TEST RESULTS, PRESSURE TEST RESULTS, AND AN AS BUILT SURVEY SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.

B. MATERIALS (WATER)

1. SERVICE PIPE SHALL BE TWO INCHES (2") TYPE 'K' COPPER (AWWA C-991).

2. DUCTILE IRON PIPE (D.I.P.), IF REQUIRED, SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS 50 (MIN) PIPE FOR ALL SIZES.

3. CORPORATION STOPS SHALL BE 2" BRASS, EQUIPPED WITH CONNECTIONS COMPATIBLE WITH SERVICE PIPE AND THREADED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C800. CURB STOPS SHALL BE SIZED TO MATCH THE METER SIZE AND CONFORM WITH AWWA C800 AND AWWA C901.

4. FITTINGS SHALL BE BRASS, CAST AND MACHINED IN ACCORDANCE WITH AWWA C800 AND AWWA C901, WITH COMPATIBLE PIPE CONNECTIONS.

5. SERVICE SADDLES SHALL BE USED FOR ALL SERVICE LINE TAPS. SERVICE SADDLES SHALL BE DOUBLE STRAP, ANCHORED BY A MINIMUM FOUR (4) BOLT PATTERN ON A DUCTILE IRON SADDLE BODY. FOR PVC PIPE, DOUBLE STRAPS SHALL BE CORROSION RESISTANT ALLOY STEEL, SIZED EXACTLY TO THE PIPE OUTSIDE DIAMETER. SEALING GASKETS SHALL BE BUNA-N RUBBER.

C. MATERIALS (SEWER)

1. ALL GRAVITY SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 35, WITH PUSH-ON RUBBER GASKET JOINTS.

2. ALL FITTINGS AND ACCESSORIES SHALL BE MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR PRIOR-APPROVED EQUAL.

3. BEDDING AND INITIAL BACK FILL OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER.

CONTACTS

OWNER
OXFORD CAPITAL PARTNERS, LLC
4245 NORTH CENTRAL EXPRESSWAY, SUITE 440
DALLAS, TX 75205
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PHONE: (214) 521-8323
FAX: (214) 521-8544
EMAIL: MHOROWITZ@OWCAPITAL.COM

LEASEE
CHICK-FIL-A
5200 BUFFINGTON ROAD
ATLANTA, GEORGIA 30349
ATTN: GETRA THOMASON
PHONE (404) 765-8000
FAX (404) 765-8930
EMAIL: GETRA.THOMASON@CHICK-FIL-A.COM

ENGINEER/APPLICANT
INTERPLAN LLC
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ARCHITECT
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FL. REG. NO. 1321
PHONE (407) 645-5008
FAX (407) 629-9124
EMAIL: RABT@INTERPLANORLANDO.COM

UTILITY CONTACTS

WATER	PINELLAS COUNTY UTILITIES 14 S. FORT HARRISON AVENUE CLEARWATER, FL 33756 MR. JIM WILSON (727)-464-3887	
SEWER	CITY OF ST. PETE BEACH UTILITY DEPT. 155 COREY AVENUE ST. PETE BEACH, FL 33706 MR. BILL MILLER (727)-363-9254	
STORM	CITY OF ST. PETE BEACH PUBLIC WORKS 155 COREY AVENUE ST. PETE BEACH, FL 33706 MR. SCOTT D. GRAUBARD 727)-363-9224	
GAS	TECO PEOPLE'S GAS 1800 9th AVENUE N. ST. PETE BEACH, FL 33713 MR. JIM TOPPINO (727)-638-7115	
ELECTRIC	PROGRESS ENERGY 2501 25th STREET N. ST. PETE BEACH, FL 33713 MR. MARK MICHAEL (727)-893-9710	
TELEPHONE	VERIZON 1288 CLEVELAND STREET CLEARWATER, FL 33755 MR. BOB CASH (727)-562-4108	J.D. Nerow (407) 387-9662 (C) 562-1190

LEGAL DESCRIPTION

PARCEL 1: LEASEHOLD PARCEL

FROM THE POINT OF INTERSECTION OF THE SOUTH 188 FEET OF GOVERNMENT LOT 2, SECTION 8, TOWNSHIP 32 SOUTH, RANGE 16 EAST, PINELLAS COUNTY, FLORIDA, WITH THE EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD RUN 156.48 FEET ALONG THE EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD BY THE ARC OF A CURVE CONCAVE TO THE WEST, RADIUS 5769.65 FEET, CHORD N 14°45'59" W, 156.48 FEET; THENCE S 88°13'36" E, 54.82 FEET; THENCE N 16°37'13" W, 28.45 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 16°37'13" W, 57.89 FEET, THENCE N 73°22'47" E, 147.80 FEET, THENCE S 16°37'13" E, 186.77 FEET, THENCE N 88°13'36" W, 154.91 FEET TO THE POINT OF BEGINNING.

CONTAINS 12,103 SQUARE FEET OR 0.278 ACRES MORE OR LESS.

PARCEL 2: PROPOSED EASEMENT PARCEL

LOT B, LESS THE WEST 14.61 FEET, LIDO GARDENS FIRST ADDITION, AS RECORDED IN PLAT BOOK 52, PAGE 61, PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA, AND A PORTION OF GOVERNMENT LOT 2, IN SECTION 8, TOWNSHIP 32 SOUTH, RANGE 16 EAST, PINELLAS COUNTY, FLORIDA, ALL BEING FURTHER AS FOLLOWS:

FROM THE POINT OF INTERSECTION OF THE SOUTH 188.00 FEET OF GOVERNMENT LOT 2, SECTION 8 TOWNSHIP 32, RANGE 16 EAST, PINELLAS COUNTY, FLORIDA, WITH THE EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD, RUN 156.48 FEET ALONG SAID RIGHT-OF-WAY AND THE ARC OF A CURVE TO THE LEFT, RADIUS 5769.65 FEET, CHORD NORTH 14 DEGREES 45 MINUTES 59 SECONDS WEST, 156.48 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD BY THE FOLLOWING TWO COURSES; (1) 108.45 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 5769.65 FEET, CHORD NORTH 16 DEGREES 84 MINUTES 55 SECONDS WEST, 108.45 FEET (2) NORTH 16 DEGREES 37 MINUTES 13 SECONDS WEST, 580.28 FEET; THENCE NORTH 57 DEGREES 13 MINUTES 47 SECONDS EAST, 423.31 FEET; THENCE 279.46 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 350.00 FEET, CHORD SOUTH 56 DEGREES 49 MINUTES 35 SECONDS EAST, 272.58 FEET; THENCE SOUTH 16 DEGREES 37 MINUTES 47 SECONDS EAST, 797.01 FEET; THENCE NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 163.89 FEET; THENCE SOUTH 01 DEGREES 46 MINUTES 24 SECONDS WEST 20.00 FEET; THENCE NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 298.00 FEET; THENCE SOUTH 01 DEGREES 46 MINUTES 24 SECONDS WEST, 125.00 FEET TO THE NORTH RIGHT-OF-WAY LINE OF 46TH AVENUE (A 50.00 FOOT RIGHT-OF-WAY); THENCE NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 69.39 FEET ALONG SAID RIGHT-OF-WAY; THENCE NORTH 01 DEGREES 15 MINUTES 24 SECONDS EAST, 150.00 FEET; NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 194.55 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH:

ALL RIGHTS AND EASEMENTS FOR DRAINAGE AS CONTAINED IN THAT CERTAIN EASEMENT DATED JULY 30, 1963 AND RECORDED IN OFFICIAL RECORD BOOK 5575, PAGE 1517, OF THE PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA, AS MODIFIED AND AMENDED BY THAT CERTAIN LOCATION OF EASEMENT RECORDED IN OFFICIAL RECORD BOOK 7210, PAGE 2280, OF THE PUBLIC RECORDS AFORESAID.

SITE DATA

SITE AREA	12,103 SF	0.278 Ac
DISTURBED AREA (LIMITS OF CONSTRUCTION)	31,550 SF	0.724 Ac
PROPOSED PAVEMENT AREA	23,253 SF	73.7 %
PROPOSED GREEN AREA	3,726 SF	11.8 %
PROPOSED BUILDING AREA	4,571 SF	14.5 %
		100 %
PROPOSED IMPERVIOUS AREA	27,824 SF	88.2 %
PROPOSED PERVIOUS AREA	3,726 SF	18.8 %
		100 %
EXISTING IMPERVIOUS AREA	28,861 SF	88.9 %
EXISTING PERVIOUS AREA	3,489 SF	11.1 %
		100 %

PROPOSED PERVIOUS AREA (3,726 SF) > EXISTING PERVIOUS AREA (3,489 SF)

MAXIMUM BUILDING HEIGHT	ALLOWED	PROVIDED
BUILDING HEIGHT	50 FT.	19.9 FT.

ZONING: CG-1 (COMMERCIAL GENERAL)

EXISTING USE: VACANT RESTAURANT (BURGER KING)

SEATING: 170 SEATS

NUMBER OF STORIES: ONE (1)

BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT (West, Gulf Blvd.)	25 FT.	20.5 FT.
SIDE (North)	6 FT.	6.34 FT.
SIDE (South)	6 FT.	7.16 FT.
REAR (East)	25 FT.	24.8 FT.

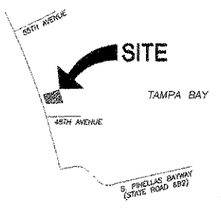
LANDSCAPE BUFFER	REQUIRED	PROVIDED
FRONT (West, Gulf Blvd.)	0 FT.	4 FT.
SIDE (North)	0 FT.	0 FT.
SIDE (South)	0 FT.	3 FT.
REAR (East)	0 FT.	VARIES

PARKING REQUIRED
ONE (1) Space per 200 sf of GROSS FLOOR AREA = 4,571 / 200 = 23 SPACES

PARKING PROVIDED = 23 SPACES (SHARED PARKING AGREEMENT)

NOTE: ALL SITE DEVELPOMENT WORK MUST COMPLY WITH THE REQUIREMENTS OF THE FLORIDA FIRE PROTECTION CODE.

VICINITY MAP



SECTION 6, TOWNSHIP 32 South, RANGE 16 East

INDEX TO DRAWINGS

DRAWING NO.	DESCRIPTION
C-1.0	COVER SHEET
C-1.1	BOUNDARY and TOPOGRAPHIC SURVEY
C-1.2	DEMOLITION PLAN
C-2.0	SITE PLAN
C-3.0	GRADING PLAN
C-4.0	CFA STANDARD DETAILS
C-4.1	CFA STANDARD DETAILS
C-4.2	CFA STANDARD DETAILS
C-5.0	CONSTRUCTION DETAILS
C-5.1	BENNIGAN'S DUMPSTER PLAN and DETAILS
PS-1.0	PLUMBING SITE PLAN
L-1.0	LANDSCAPING PLAN
L-2.0	IRRIGATION PLAN
ES-1.0	ELECTRICAL SITE PLAN
ES-2.0	ELECTRICAL SITE PHOTOMETRICS

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	10-20-04	J.R. CLIENT & ENGINEER'S REVISION.

Seal

ROBERT ZIEGENFUSS, P.E.
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INTERPLAN LLC
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES S03-A
Dolphin Village
4623 Gulf Blvd.
St. Pete Beach
FLORIDA

SHEET TITLE
COVER SHEET

DWG EDITION 04.6

☐ Preliminary
☐ 80% Submittal
☒ For Construction

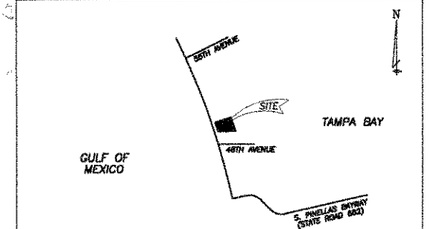
Job No. : 2004.0055
Store : 1740
Date : 05/13/04
Drawn By : MJ
Checked By : RA

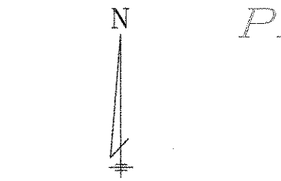
Sheet
C-1.0

PLAT OF SURVEY

ALTA/ACSM LAND TITLE SURVEY

VICINITY MAP N.T.S.





DESCRIPTION

PARCEL 1: LEASEHOLD PARCEL

FROM THE POINT OF INTERSECTION OF THE SOUTH 180 FEET OF GOVERNMENT LOT 2, SECTION 6, TOWNSHIP 32 SOUTH, RANGE 16 EAST, PINELLAS COUNTY, FLORIDA, WITH THE EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD RUN 156.48 FEET ALONG THE EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD BY THE ARC OF A CURVE CONCAVE TO THE WEST, RADIUS 5769.65 FEET, CHORD N 14°45'59" W, 156.48 FEET; THENCE S 88°13'36" E, 54.82 FEET; THENCE N 16°37'13" W, 28.45 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 16°37'13" W, 57.89 FEET, THENCE N 73°22'47" E, 147.00 FEET, THENCE S 16°37'13" E, 106.77 FEET, THENCE N 88°13'36" W, 154.91 FEET TO THE POINT OF BEGINNING.

CONTAINS 12,103 SQUARE FEET OR 0.278 ACRES MORE OR LESS.

PARCEL 2: PROPOSED EASEMENT PARCEL

LOT B, LESS THE WEST 14.61 FEET, LIDO GARDENS FIRST ADDITION, AS RECORDED IN PLAT BOOK 52, PAGE 81, PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA, AND A PORTION OF GOVERNMENT LOT 2, IN SECTION 6, TOWNSHIP 32 SOUTH, RANGE 16 EAST, PINELLAS COUNTY, FLORIDA, ALL BEING FURTHER AS FOLLOWS:

FROM THE POINT OF INTERSECTION OF THE SOUTH 180.00 FEET OF GOVERNMENT LOT 2, SECTION 6 TOWNSHIP 32, RANGE 16 EAST, PINELLAS COUNTY, FLORIDA, WITH THE EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD, RUN 156.48 FEET ALONG SAID RIGHT-OF-WAY AND THE ARC OF A CURVE TO THE LEFT, RADIUS 5769.65 FEET, CHORD NORTH 14 DEGREES 45 MINUTES 59 SECONDS WEST, 156.48 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID EASTERLY RIGHT-OF-WAY OF GULF BOULEVARD BY THE FOLLOWING TWO COURSES; (1) 108.45 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 5769.65 FEET, CHORD NORTH 16 DEGREES 04 MINUTES 55 SECONDS WEST, 108.45 FEET (2) NORTH 16 DEGREES 37 MINUTES 13 SECONDS WEST, 580.29 FEET; THENCE NORTH 57 DEGREES 13 MINUTES 47 SECONDS EAST, 429.31 FEET; THENCE 279.46 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 360.00 FEET, CHORD SOUTH 55 DEGREES 49 MINUTES 35 SECONDS EAST, 272.50 FEET; THENCE SOUTH 16 DEGREES 37 MINUTES 47 SECONDS EAST, 797.01 FEET; THENCE NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 183.89 FEET; THENCE SOUTH 01 DEGREES 46 MINUTES 24 SECONDS WEST 20.00 FEET; THENCE NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 200.00 FEET; THENCE SOUTH 01 DEGREES 46 MINUTES 24 SECONDS WEST, 125.00 FEET TO THE NORTH RIGHT-OF-WAY LINE OF 46TH AVENUE (A 60.00 FOOT RIGHT-OF-WAY); THENCE NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 60.39 FEET ALONG SAID RIGHT-OF-WAY; THENCE NORTH 01 DEGREES 16 MINUTES 24 SECONDS EAST, 150.00 FEET; NORTH 88 DEGREES 13 MINUTES 36 SECONDS WEST, 154.55 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH:

ALL RIGHTS AND EASEMENTS FOR DRAINAGE AS CONTAINED IN THAT CERTAIN EASEMENT DATED JULY 30, 1983 AND RECORDED IN OFFICIAL RECORD BOOK 5575, PAGE 1517, OF THE PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA, AS MODIFIED AND AMENDED BY THAT CERTAIN LOCATION OF EASEMENT RECORDED IN OFFICIAL RECORD BOOK 7210, PAGE 2280, OF THE PUBLIC RECORDS AFORESAID.

NOTES:

1. BEARING STRUCTURE BASED ON EASTERLY R/W LINE OF GULF BOULEVARD (SR 699) BEING: N 14°45'59" W (CHORD BEARING).

2. THIS SURVEY REFLECTS ONLY MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE.

3. THIS SURVEY WAS MADE ON THE GROUND. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION (AS LOCATED BY SUNSHINE UTILITIES LOCATING SERVICE TICKET NO. 07642393) AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

4. THIS SITE IS IN A FLOOD PRONE AREA, IT IS IN ZONE AE, AN AREA INUNDATED BY 100 YEAR FLOOD BASED ON FLOOD INSURANCE RATE MAP, PANEL NO. 125149 0276 G, HAVING AN EFFECTIVE DATE OF SEPTEMBER 3, 2003, CITY OF ST. PETE BEACH, PINELLAS COUNTY, FLORIDA.

5. ELEVATIONS BASED ON PINELLAS COUNTY DATUM, BM #127 (SRD) BEING: 5.450 FEET. (NGVD 29).

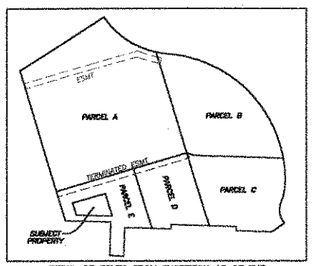
6. ACCORDING TO FLORIDA STATUTES, CHAPTER 472.025, A LAND SURVEYOR SHALL NOT AFFIX HIS SEAL OR NAME TO ANY PLAN OR DRAWING WHICH DEPICTS WORK WHICH HE IS NOT LICENSED TO PERFORM OR WHICH IS BEYOND HIS PROFESSION OR SPECIALTY THEREIN. THEREFORE, WE ARE UNABLE TO CERTIFY AS TO MUNICIPAL ZONING COMPLIANCE, INTERPRETATION OF ZONING CODES OR THE DETERMINATION OF VIOLATIONS THEREOF.

7. THIS SURVEY MADE WITH BENEFIT OF COMMITMENT FOR TITLE NO. NT04-0155, EFFECTIVE DATE MARCH 18, 2004 ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY.

8. THERE ARE 12 PARKING SPACES INCLUDING 1 HANDICAP SPACE.

9. ZONING REQUIREMENTS AND RESTRICTIONS PERTAIN TO DOLPHIN VILLAGE SHOPPING CENTER IN ITS ENTIRETY PER CITY OF ST. PETERSBURG BEACH.

10. SEE EXHIBIT "A" FOR SURVEYOR'S REPORT.



DETAIL OF ESMTS FROM EXCEPTION 15 OF THE TITLE COMMITMENT REFERENCED HEREON (NTS)

SURVEYOR'S CERTIFICATE
To:
Chick-Fil-A;

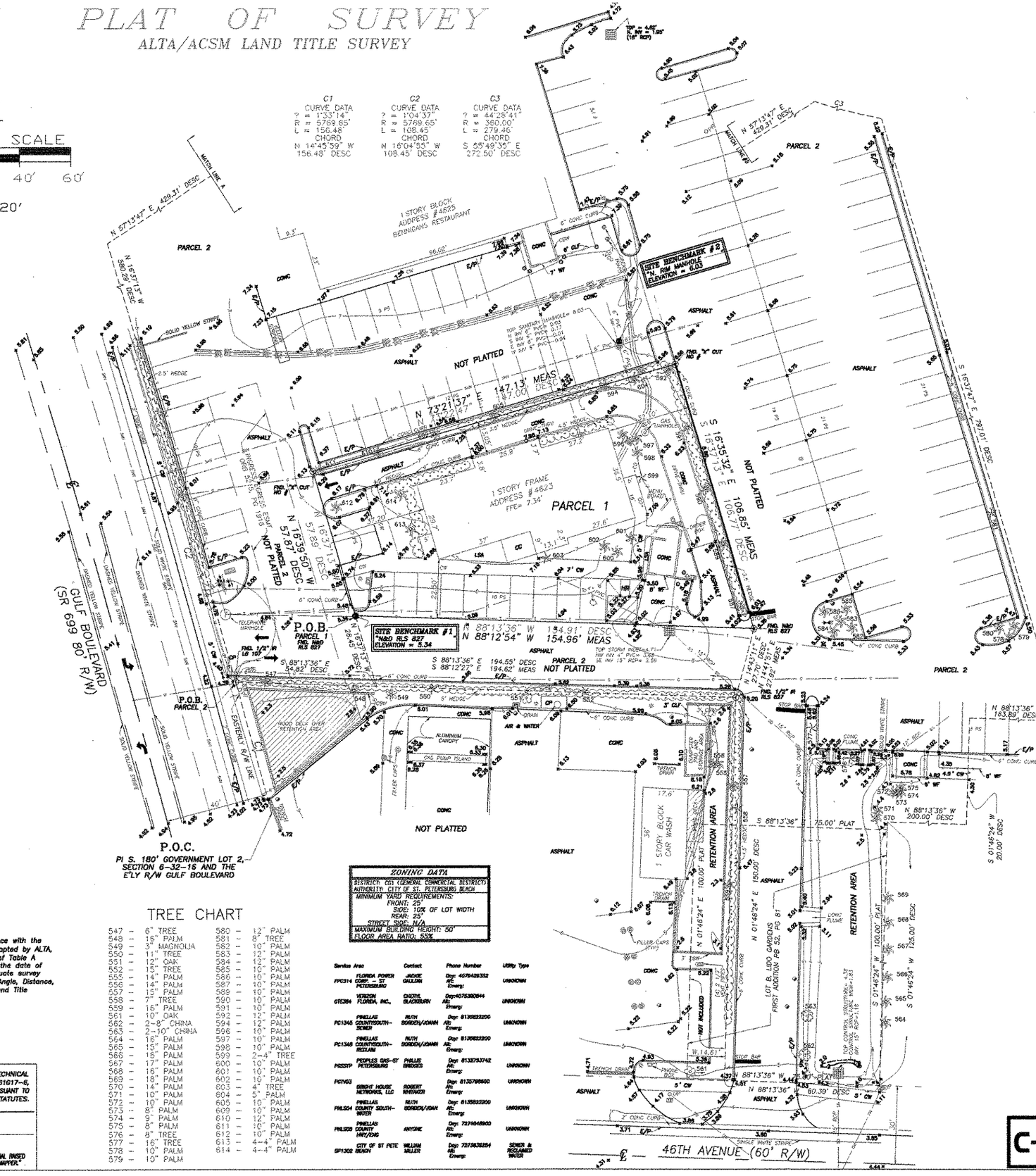
This is to certify that this map or plat and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA\ACSM Land Title Surveys," jointly established and adopted by ALTA, ACSM and NSPS in 1999, and includes items 1, 2, 3, 4, 5, 6, 7(a), 7(b1), 8, 9, 10, and 11(b), of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA, NSPS and ACSM and in effect on the date of this certification, undersigned further certifies that proper field procedures, instrumentation, and adequate survey personnel were employed in order to achieve results comparable to those outlined in the "Minimum Angle, Distance, and Closure Requirements for Survey Measurements Which Control Land Boundaries for ALTA/ACSM Land Title Surveys".

Date: _____

ACCURIGHT SURVEYS
of Orlando Inc., LB 4475
2012 E. Robinson St.
Orlando, Florida 32803
PHONE (407) 894-6314 FAX (407) 897-3777

THIS SURVEY MEETS THE "MINIMUM TECHNICAL STANDARDS" AS REQUIRED BY CHAPTER 61G17-6, FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.
DATE: _____

"NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THIS FLORIDA LICENSED SURVEYOR AND MAPPER."



ZONING DATA

DISTRICT:	CG1 (GENERAL COMMERCIAL DISTRICT)
AUTHORITY:	CITY OF ST. PETERSBURG BEACH
MINIMUM YARD REQUIREMENTS:	
FRONT:	25'
SIDE:	10% OF LOT WIDTH
REAR:	25'
STREET SIDE:	N/A
MAXIMUM BUILDING HEIGHT:	50'
FLOOR AREA RATIO:	55%

TREE CHART

547	6" TREE	580	12" PALM
548	15" PALM	581	8" TREE
549	3" MAGNOLIA	582	10" PALM
550	11" TREE	583	12" PALM
551	12" OAK	584	12" PALM
552	15" TREE	585	10" PALM
553	14" PALM	586	10" PALM
556	14" PALM	587	10" PALM
557	15" PALM	589	10" PALM
558	7" TREE	590	10" PALM
559	16" PALM	591	10" PALM
561	10" OAK	592	12" PALM
562	2-8" CHINA	594	12" PALM
563	2-10" CHINA	596	10" PALM
564	16" PALM	597	10" PALM
565	15" PALM	598	10" PALM
566	16" PALM	599	2-4" TREE
567	17" PALM	600	10" PALM
568	16" PALM	601	10" PALM
569	18" PALM	602	10" PALM
570	14" PALM	603	4" TREE
571	10" PALM	604	5" PALM
572	10" PALM	605	10" PALM
573	8" PALM	609	10" PALM
574	9" PALM	610	12" PALM
575	8" PALM	611	10" PALM
576	8" TREE	612	10" PALM
577	16" TREE	613	4-4" PALM
578	10" PALM	614	4-4" PALM
579	10" PALM		

Service Area	Contact	Phone Number	Utility Type
FPC314 FLORIDA POWER CORP. — ST. PETERSBURG	JACKIE GALLIVAN	Dept: 4078482352 Att: Emerg:	UNKNOWN
GTE384 VERIZON FLORIDA, INC.,	CHERYL GLADDEBUSH	Dept:4075380944 Att: Emerg:	UNKNOWN
PIN1345 PINELLAS COUNTY(SOUTH-SEWER	RUTH BORDEN/JOANN	Dept: 8139822200 Att: Emerg:	UNKNOWN
PIN1348 PINELLAS COUNTY(SOUTH-RECLAIM	RUTH BORDEN/JOANN	Dept: 8139822200 Att: Emerg:	UNKNOWN
PSS317 PEOPLES GAS-ST PETERSBURG	PHILLIS BRIDGES	Dept: 8133753742 Att: Emerg:	UNKNOWN
PSTN53 SERGENT HOUSE NETWORKS, LLC	ROBERT WHITAKER	Dept: 8135798600 Att: Emerg:	UNKNOWN
PIN1304 PINELLAS COUNTY SOUTH-WATER	RUTH BORDEN/JOANN	Dept: 8135822200 Att: Emerg:	UNKNOWN
PIN1303 PINELLAS COUNTY WAT/DNG	ANYONE	Dept: 7274648900 Att: Emerg:	UNKNOWN
SPI308 CITY OF ST PETE BEACH	WILLIAM MILLER	Dept: 7273838254 Att: Emerg:	SEWER & RECLAIMED WATER

EXCEPTIONS LISTED IN SCHEDULE B-SECTION 2 OF THE TITLE COMMITMENT REFERENCED HEREON

7. This Property is subject to the Terms and conditions of that certain unrecorded Collateral Lease Agreement dated August 9, 1966, as evidenced by that certain Short Form Lease in favor of Eckerd Drugs of Florida, Inc., a Florida corporation dated September 12, 1984, recorded April 17, 1985 in Official Record Book 5973, page 1628, of the Public Records of Pinellas County, Florida. (Not Plottable)

8. This Property is subject to the Terms and conditions of that certain Lease Agreement in favor of Publix Super Markets, Inc., a Florida corporation dated April 29, 1968, recorded June 24, 1984 in Official Record Book 5887, page 2168, as subordinated by the Subordination, Non-Disturbance and Attornment Agreement recorded October 11, 2002 in Official Record Book 12276, page 1842, all of the Public Records of Pinellas County, Florida. (Not Plottable)

9. Covenants, restrictions, reservations and easements as shown in LIDO GARDENS, FIRST ADDITIONS, as contained in the Plat recorded in Plat Book 52, page 81, of the Public Records of Pinellas County, Florida. NOTE: Resolution 90-33 recorded August 31, 1990 in Official Record Book 7367, page 133, vacates the 5-foot utility easement along the West and North lot lines of Lot B. (Does not affect Parcel 1, affects Parcel 2, not plottable)

10. Easement for ingress and egress in favor of Mobil Oil Corporation, a New York corporation dated October 7, 1980, recorded July 2, 1981 in Official Record Book 5215, page 1916, of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects Parcel 2 and is not shown hereon)

11. Easement in favor of Pinellas County dated March 27, 1967, recorded April 12, 1967 in Official Record Book 2583, page 282, of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects as to Parcel 2 and is not shown hereon)

12. Easement in favor of the City of St. Petersburg Beach dated June 7, 1967, recorded June 12, 1967 in Official Record Book 2618, page 315, as amended by the Amendment to Easement recorded March 15, 1968 in Official Record Book 2795, page 13, as supplemented and partially released by Supplemental Easement and Partial Release of Easement recorded June 9, 1970 in Official Record Book 3339, page 751, all of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects Parcel 2 and is not shown hereon.)

13. Terms and Conditions of the License to Use Land in favor of General Telephone Company of Florida dated November 15, 1971, recorded June 14, 1972 in Official Record Book 3704, page 111, of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects as to Parcel 2 and is not shown hereon)

14. Easement in favor of Florida Power Corporation dated February 16, 1971, recorded June 14, 1971 in Official Record Book 3560, page 686, of the Public Records of Pinellas County, Florida. (Does not affect subject property)

15. This Property is affected by the Declaration of Easement dated January 20, 1983, recorded January 25, 1983 in Official Record Book 5463, page 2193, as partially terminated in the Termination of Easement, recorded August 2, 1983 in Official Record Book 5575, page 1494, of the Public Records of Pinellas County, Florida. (Affects subject property as shown hereon.)

16. This Property is affected by the Distribution Easement in favor of Florida Power Corporation dated March 29, 1984, recorded May 14, 1984 in Official Record Book 5758, page 1914, of the Public Records of Pinellas County, Florida. (Affects subject property, blanket type easement, not plottable)

17. Utility Easement in favor of Pinellas County dated November 7, 1985, recorded December 2, 1985 in Official Record Book 6123, page 1408, of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects Parcel 2 and is not shown hereon)

18. Easement as contained in Quit Claim Deed recorded August 23, 1960 in Official Record Book 974, page 704, of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects Parcel 2 and is not shown hereon)

19. Bus Shelter Easement in favor of the City of St. Petersburg Beach dated August 5, 1997, recorded December 12, 1997 in Official Record Book 9832, page 2320, of the Public Records of Pinellas County, Florida. (Does not affect Parcel 1, affects Parcel 2 and is not shown hereon)

20. This Property benefits from the Terms and conditions of the Drainage Easement dated July 30, 1983, recorded August 2, 1983 in Official Record Book 5575, page 1517, as modified by the Location Easement recorded February 28, 1990 in Official Record Book 7210, page 2280, of the Public Records of Pinellas County, Florida. (Blanket type easement, not plottable)

21. Terms, conditions and easements contained in the Memorandum of Lease and Easement Agreement in favor of Steak and Ale of Florida, Inc., a Nevada corporation dated October 21, 1983, recorded November 15, 1983 in Official Record Book 5642, page 1074, of the Public Records of Pinellas County, Florida. (Affects subject property, not plottable)

22. Terms and conditions of that certain Short form Lease Agreement in favor of T.G.&Y Stores Co., dated January 13, 1967, recorded February 3, 1967 in Official Record Book 2541, page 246, as assigned to the Dollar Tree Stores, Inc., a Virginia corporation in a unrecorded Assignment and Assumption of Lease dated December 20, 2001, and as subordinated by the Subordination, Non-Disturbance and Attornment Agreement dated September 26, 2002, recorded October 11, 2002 in Official Record Book 12276, page 1830, of the Public Records of Pinellas County, Florida. (Affects subject property, not plottable)

27. Mortgage, Security Agreement and Fixture Filing executed by ICIG Dolphin Village, L.L.C., a Delaware limited liability company in favor of General Electric Capital Corporation dated October 8, 1999, recorded October 18, 1999 in Official Record Book 10695, page 709, as assigned to Wachovia Bank, National Association in the Assignment of Note, Mortgage and other Loan Documents recorded October 2, 2002 in Official Record Book 12253, page 2344, as modified by the Mortgage Modification and Notice of Future Advance Agreement recorded October 2, 2002 in Official Record Book 12253, page 2573, as further amended by the Amended and Restated Mortgage recorded October 2, 2002 in Official Record Book 12253, page 2587, all of the Public Records of Pinellas County, Florida. (Affects subject property, not plottable)

28. Assignment of Rents and Leases executed by ICIG Dolphin Village, L.L.C., a Delaware limited liability company in favor of General Electric Capital Corporation dated October 8, 1999, recorded October 18, 1999 in Official Record Book 10695, page 671, as assigned to Wachovia Bank, National Association in the Assignment of Note, Mortgage and other Loan Documents recorded October 2, 2002 in Official Record Book 12253, page 2344, as affected by the Absolute Assignment of Lessor's Interest in Leases and Rents recorded October 2, 2002 in Official Record Book 12253, page 2599, all of the Public Records of Pinellas County, Florida. (Affects subject property, not plottable)

29. UCC-1 Financing Statement recorded October 18, 1999 in Official Record Book 10695, page 728, as assigned to Wachovia Bank, National Association in the UCC Financing Statement Amendment recorded October 2, 2002 in Official Record Book 12253, page 2395, all of the Public Records of Pinellas County, Florida. (Affects subject property, not plottable)

30. UCC-1 Financing Statement recorded October 2, 2002 in Official Record Book 12253, page 2614, of the Public Records of Pinellas County, Florida. (Affects subject property, not plottable)

Current BOUNDARY SURVEY DATE: 4/6/04
per Florida Statutes 61G17-6.003 2d

DATE:	REVISION	BY:
10/14/04	REVISED PER CLIENT COMMENTS	JLS
9/29/04	ADDED ADDITIONAL TOPOGRAPHY	TRKH
5/10/04	ADDED PROPOSED DUMPSTER AREA TOPO	JT
5/5/04	ADDED TITLE COMMITMENT	JT

BOUNDARY, TOPOGRAPHIC & TREE SURVEY

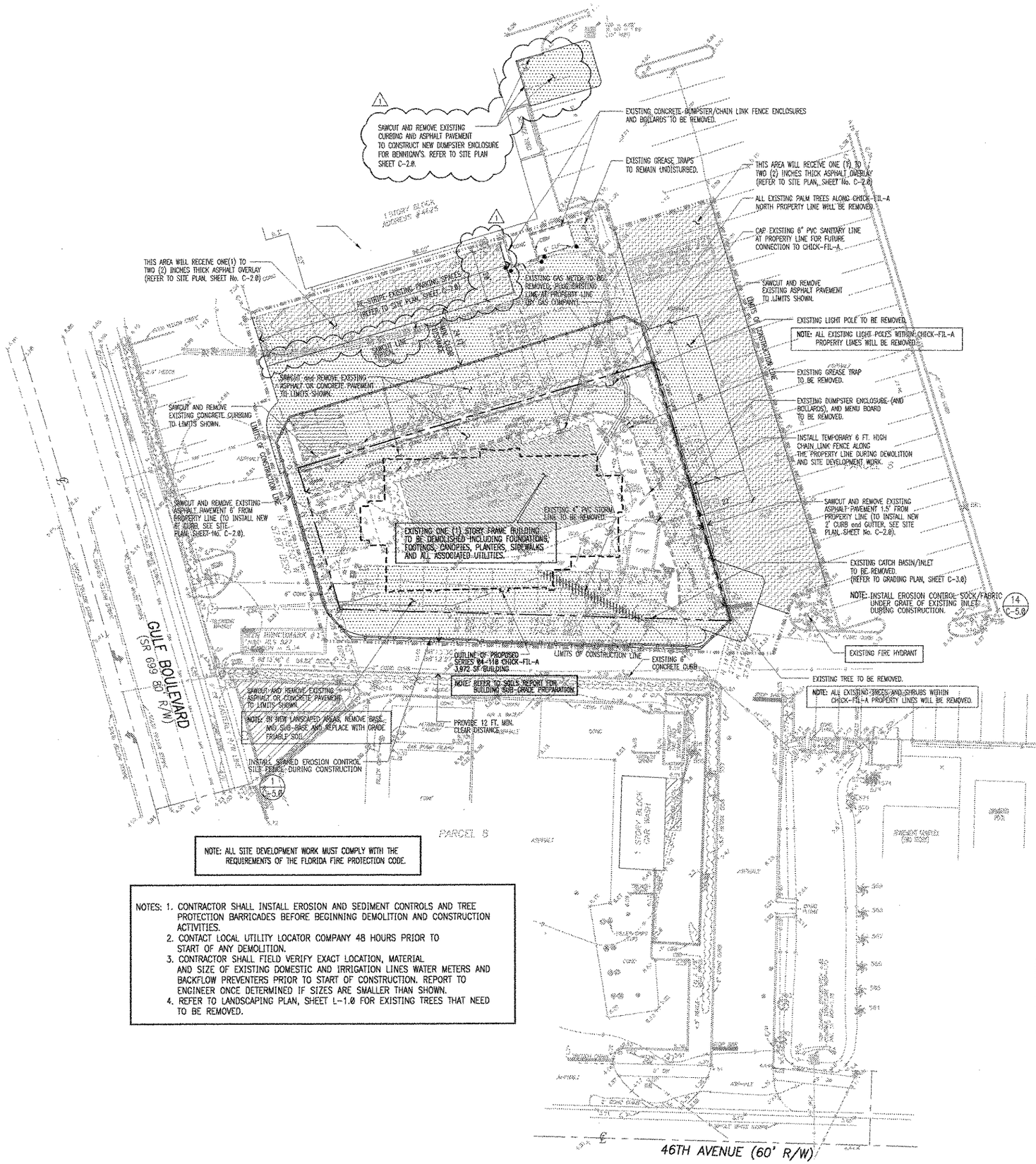
SCALE: 1"=20'	CF# 16-32-6CHICK-FIL-A	APPROVED BY:
FIELD DATE: 4/6/04		DRAWN BY: JT

PREPARED FOR: INTERPLAN, LLC

LOCATION: 4623 GULF BOULEVARD, ST. PETE BEACH, PINELLAS COUNTY, FLORIDA IN SECTION 6, TOWNSHIP 32 SOUTH, RANGE 16 EAST.

FILE NUMBER: 6-32-16

C-1.1



TREE CHART

547	8"	TREE
548	18"	PALM
549	8"	MAGNOLIA
550	11"	TREE
551	12"	OAK
552	15"	TREE
553	14"	PALM
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592	12"	PALM
593	4"	TREE
594	5"	PALM
595	12"	PALM
596	12"	PALM
597	12"	PALM
598	12"	PALM
599	12"	PALM
600	12"	PALM
601	12"	PALM
602	12"	PALM
603	4"	TREE
604	5"	PALM
605	12"	PALM
606	12"	PALM
607	12"	PALM
608	12"	PALM
609	12"	PALM
610	12"	PALM
611	12"	PALM
612	12"	PALM
613	12"	PALM
614	4-6"	PALM

DEMOLITION NOTES

1. CLEAR SITE OF ALL BUILDINGS, STRUCTURES, PAVEMENT AND LANDSCAPING PER SPECIFICATIONS UNLESS OTHERWISE SPECIFIED ON THE PLOT PLAN OR BY THE OWNER'S ENGINEER. SEE SURVEY FOR EXISTING STRUCTURES AND CONFIRM WITH A SITE VISIT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
3. RESTORE TO ORIGINAL OR BETTER CONDITION ALL AREAS DISTURBED BY CONSTRUCTION.
4. SHOW ALL MODIFIED PIPING, CONDUIT RUNS, UTILITIES AND ANY MODIFICATIONS MADE TO THE ORIGINAL DRAWINGS ON "AS-BUILT" PRINT AND TURN OVER TO OWNER'S REPRESENTATIVE UPON COMPLETION.
5. EXISTING UNDERGROUND UTILITIES, UNLESS OTHERWISE NOTED, SHALL REMAIN AND ARE TO BE PROTECTED WHERE NECESSARY.
6. REMOVE ALL EXISTING CURB AND DRIVEWAY PAVEMENT AREAS.
7. REMOVE ALL UNDERGROUND TANKS (IF ANY) PER STATE AND LOCAL ORDINANCES.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE CONCRETE AND SOIL AS NECESSARY TO COMPLETE PROPOSED CONSTRUCTION. ANY IMPACTED SOILS ENCOUNTERED SHALL BE STOCKPILED PER DIRECTION OF OWNER'S REPRESENTATIVE UNLESS OTHERWISE DIRECTED, CONTRACTOR SHALL USE ALL EXCAVATED SOILS
9. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF THE ENTIRE SITE. THE PROPERTY CORNERS SHALL BE MARKED. IF CORNER PINS ARE REMOVED OR DISTURBED DURING CONSTRUCTION, CONTRACTOR SHALL REMARK PROPERTY CORNERS AT HIS EXPENSE USING A REGISTERED SURVEYOR.
10. A REPORT OF THE SUBSURFACE INVESTIGATION IS MADE AVAILABLE TO THE CONTRACTOR AT TIME OF BIDDING. THEREFORE, THE BASE BID SHALL INCLUDE THE FOLLOWING:
    A. CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE ANY OVERSIZING OF EXCAVATIONS AND PROVIDE CORRESPONDING BACKFILL OVER AND ABOVE THE SPECIFIED MINIMUMS.
    B. DETERMINE THE NEED FOR AND PROVIDE ANY DEWATERING NECESSARY FOR TRENCH, TANK AND FOUNDATION EXCAVATIONS. IDENTIFY THIS COST AS A SEPARATE LINE ITEM IN THE BID. DISPOSAL OF CONTAMINATED WATER SHALL BE THE OWNER'S RESPONSIBILITY.
11. THE LOCATIONS OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.
12. THE SITE DEMOLITION DEBRIS INCLUDING, SUCH ITEMS AS, FENCES, WALLS, FOUNDATIONS, LOGS, SHRUBS, BRUSH, WEEDS, OTHER VEGETATION AND ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE, SHALL BE SATISFACTORILY DISPOSED OF OFF-SITE.
13. THE CONTRACTOR SHALL OBTAIN AND HAVE ON SITE ALL APPLICABLE EXCAVATION AND DEMOLITION PERMITS PRIOR TO BEGINNING ANY CONSTRUCTION.
14. ASBESTOS REMOVAL.
    CONTRACTOR TO PROVIDE FOR ANY ASBESTOS ABATEMENT REQUIRED. ANY ASBESTOS WORK TO BE PERFORMED SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
15. PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL PUT IN PLACE EROSION CONTROL FACILITIES AND SILT BARRIERS AS SHOWN ON THE PLANS & DETAILS.
16. ALL EQUIPMENT, MATERIALS & FIXTURES SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STORED OR DISPOSED OF PER THE OWNER'S DIRECTION UNLESS OTHERWISE NOTED.
17. UNLESS NOTED OTHERWISE, ALL TREES ON SITE SHALL REMAIN AND SHALL BE PROTECTED.
18. IN NEW LANDSCAPE AREAS REMOVE BASE AND SUBBASE AND REPLACE WITH GOOD FRIABLE SOIL.
19. CONTRACTOR SHALL AQUAINT HIMSELF WITH THE CONSTRUCTION DOCUMENTS AND BE RESPONSIBLE FOR PROTECTING ANY EXISTING FACILITY SO DESIGNED OR DESIGNATED TO BE UTILIZED IN THE WORK.
20. ANY CONSTRUCTION DEBRIS KEPT ON-SITE SHALL BE LIMITED TO 10' HEIGHT.

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	10-20-04	J.R.
	CLIENT & ENGINEER'S REVISION.	

Mark	Date	By

Mark	Date	By

Seal

ROBERT ZIEGENFUSS, P.E.
FL. REG. #56752

AA 0043201
CA 8640
933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5005
FX 407.629.9124
INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES S03-A
Dolphin Village
4623 Gulf Blvd.
St. Pete Beach
FLORIDA

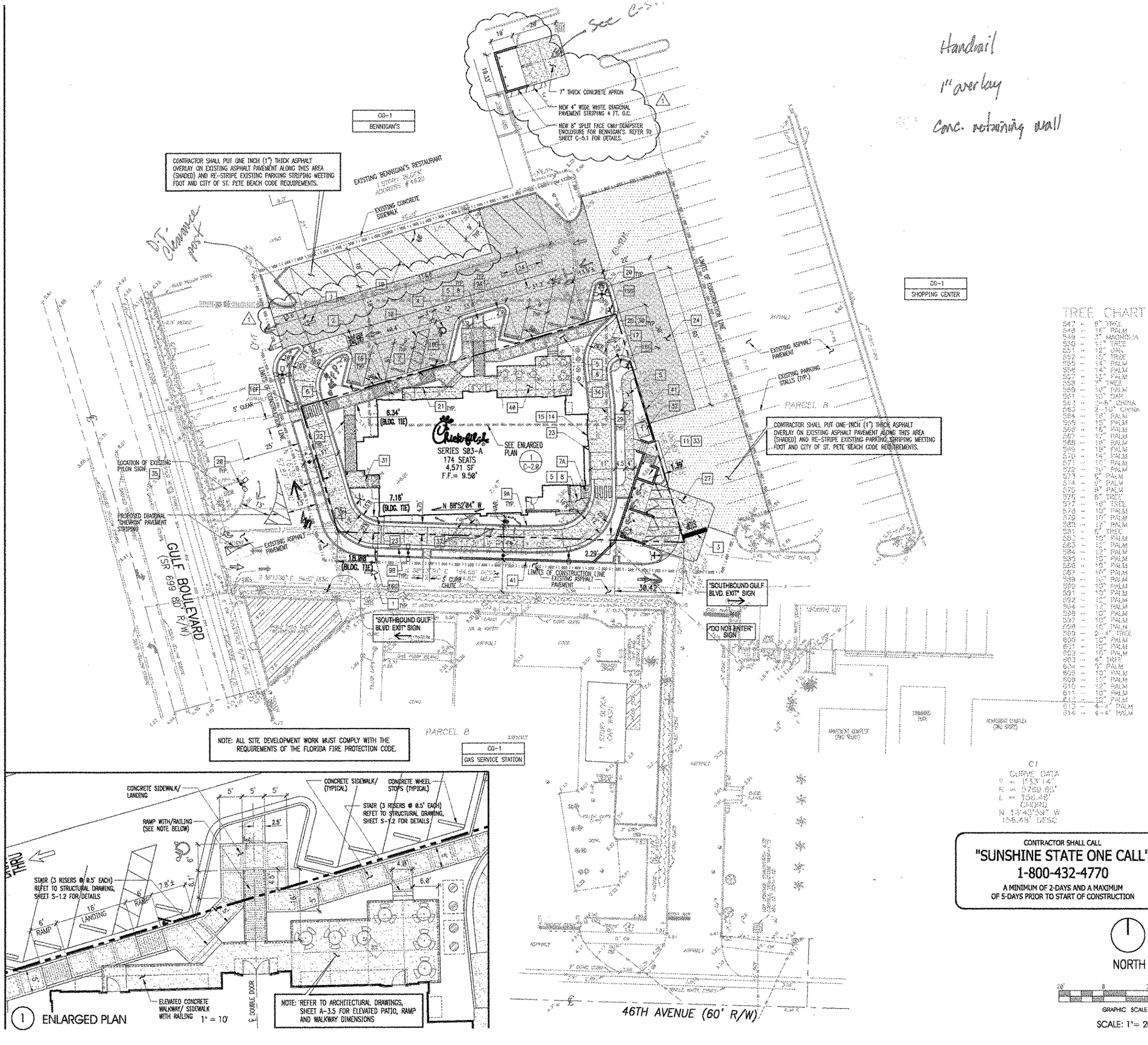
SHEET TITLE
DEMOLITION
SITE PLAN

DWG EDITION 04.6

☐ Preliminary
☐ 80% Submittal
☒ For Construction

Job No. : 2004.0055
Store : 1740
Date : 05/13/04
Drawn By : MJ
Checked By : RA

Sheet
C-1.2



SITE PLAN DESIGN NOTES & KEY PLAN

1	DIRECTIONAL ARROW	1 C-4.0
2	DRIVE-THRU GRAPHICS	2 C-4.0
3	STOP LINE GRAPHIC	3 C-4.0
4	PAINTED HANDICAP PARKING SYMBOL	4 C-4.0
5	CONCRETE SIDEWALK	5 C-4.0
6	CURBED HANDICAP RAMP	6 C-4.0
7	SIDEWALK HANDICAP RAMP	7 C-4.0
7A	HANDICAP RAMP w/ FLARED SIDES	7A C-4.0
8	SIDEWALK WITH CURB & GUTTER	8 C-4.0
9	24" CONCRETE CURB AND GUTTER	
9A	SPILLING SECTION	9 C-4.0
9B	CATCHING SECTION	
10	STANDARD PARKING STALL (9' WIDE)	10 C-4.0
11	REFUSE ENCLOSURE FOUNDATION	11 C-4.0
12	NOT USED	
13	NOT USED	
14	DRIVE THRU PLAN	14 C-4.1
15	DRIVE-THRU ISOMETRIC	15 C-4.1
16	DIRECTIONAL SIGNAGE	16 C-4.1
	ALL SIGNS SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE U.S. DEPARTMENT OF TRANSPORTATION.	
16A	NOT USED	
16B	12" x 18" HANDICAP SIGN	
16C	"CIRCLE BUILDING FOR DRIVE THRU SERVICE"	
16D	NOT USED	
16E	NOT USED	
16F	DIRECTIONAL SIGN ILLUMINATED 1' x 3' "DRIVE-THRU WITH ARROW"	
16G	"DO NOT ENTER" SIGN	
17	LANDSCAPE & IRRIGATION PROTECTOR	17 C-4.1
18	CONCRETE WHEEL STOP	18 C-4.1
19	SERVICE LINE CLEANOUT	19 C-4.1
20	TYPICAL LIGHT POLE BASE	20 C-4.1
21	HANDRAIL ELEVATION REFER TO ARCHITECTURAL PLANS, SHEET A-3.5 FOR DETAILS	21 C-4.1
22	TYPICAL ADA RAMP AND HANDRAIL REFER TO ARCHITECTURAL PLANS, SHEET A-3.5 FOR DETAILS	22 C-4.1
23	PIPE BUMPER POST	23 C-2.2
24	TYPICAL PAVEMENT SECTION	24 C-4.2
25	TRANSVERSE & LONGITUDINAL CONTRACTION JOINT	25 C-4.2
26	TRANSVERSE & LONGITUDINAL COWELED CONST. JOINT	26 C-4.2
27	CONCRETE APRON @ TRASH ENCLOSURE	27 C-4.2
28	CONCRETE PAVING @ DRIVE THRU LANE	28 C-4.2
29	EXPANSION JOINT	29 C-4.2
30	CONTRACTION JOINT	30 C-4.2
31	FLAGPOLE ECX SERIES 30 FOOT FLAG POLE PACKAGE, BY APPROVED VENDORS; THE FLAG COMPANY OR ATLAS FLAGS.	
32	TRANSFORMER	
33	REFUSE/STORAGE BUILDING (SEE ARCHITECT PLANS)	
34	GREASE TRAPS (REFER TO PLUMBING SITE PLAN, SHEET PS-1.0)	
35	CHICK-FIL-A PYLON SIGN	
36	NOT USED	
37	MENU BOARD & CANOPY ORDERING STATION	
38	CHICK-FIL-A "ENTER" SIGN	
39	CHICK-FIL-A "EXIT" SIGN	
40	ELEVATED PATIO/OUTDOOR SEATING AREA REFER TO ARCHITECTURAL PLANS, SHEET A-3.5 FOR DETAILS INCLUDING RAMP, WALKWAY AND RAILING/HANDRAIL DETAILS	
41	8" THICK CONCRETE RETAINING WALL	

LEGEND

- 6 — PARKING SPACE TOTALS
- 2 / C4 — DETAIL NUMBER / SHEET NUMBER
- CG-1 / BENNIGAN'S — ZONING / CURRENT LAND USE

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	10-28-04	J.R
	CLIENT & ENGINEER'S REVISION.	

Mark	Date	By

Mark	Date	By

Seal

ROBERT ZIEGENFUSS, P.E.
FL. REG. #56752

INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT
AA 0043201
CA 8660
935 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5008
FX 407.629.9124

STORE
SERIES S03-A
Dolphin Village
4623 Gulf Blvd.
St. Pete Beach
FLORIDA

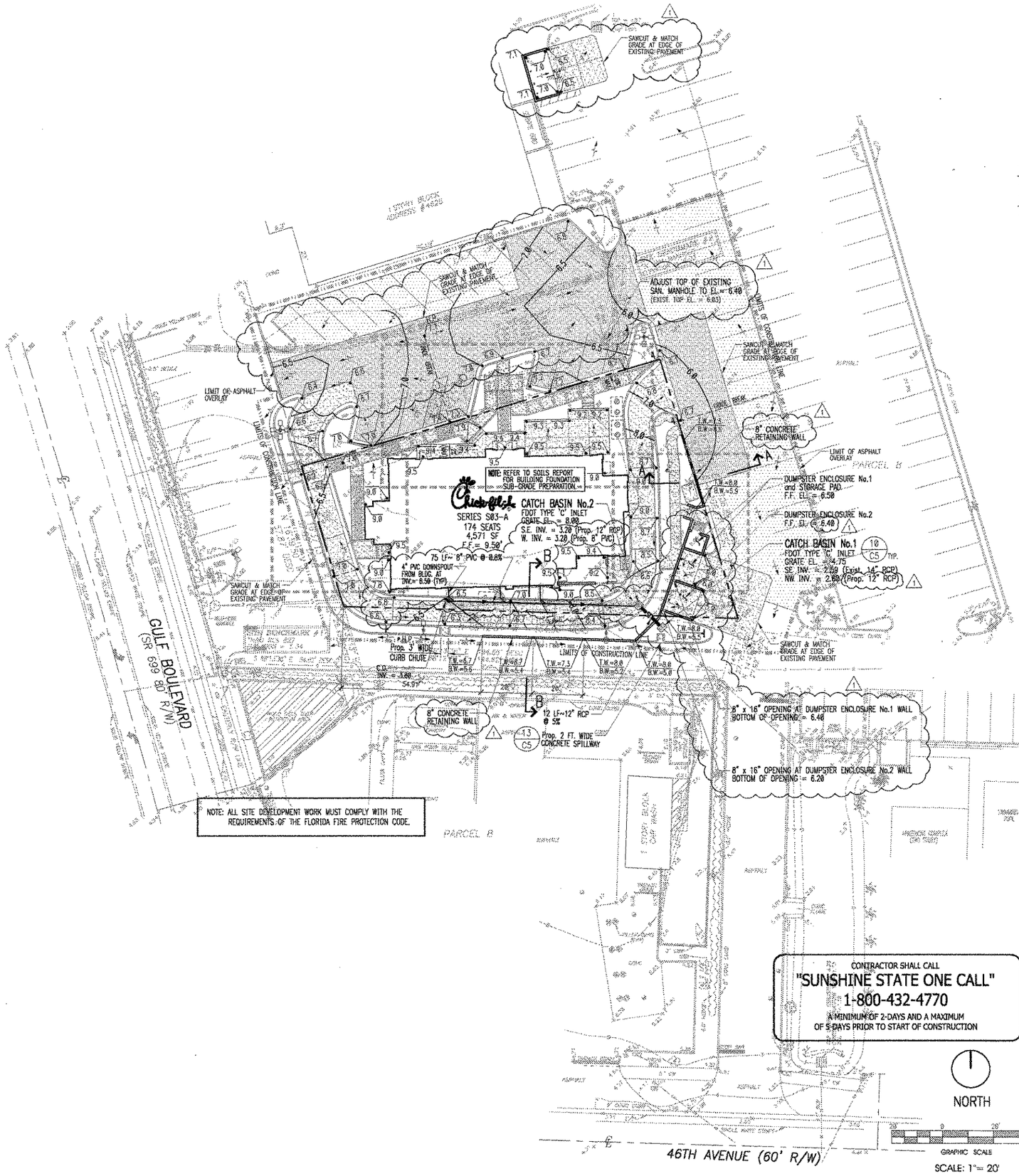
SHEET TITLE
SITE PLAN

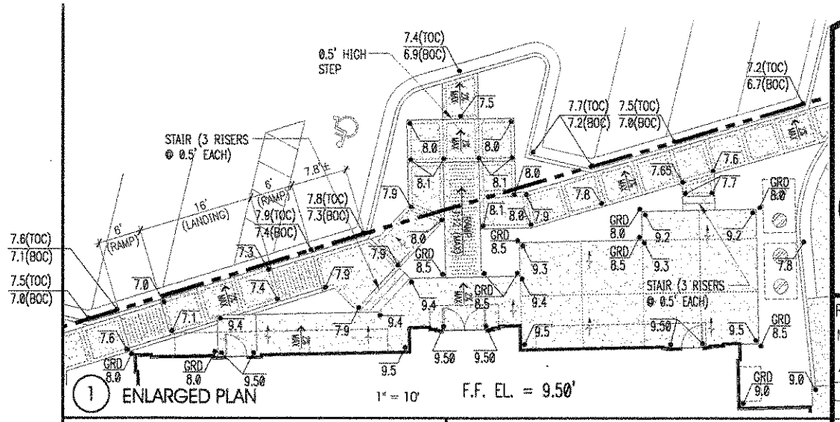
DWG EDITION 04.6

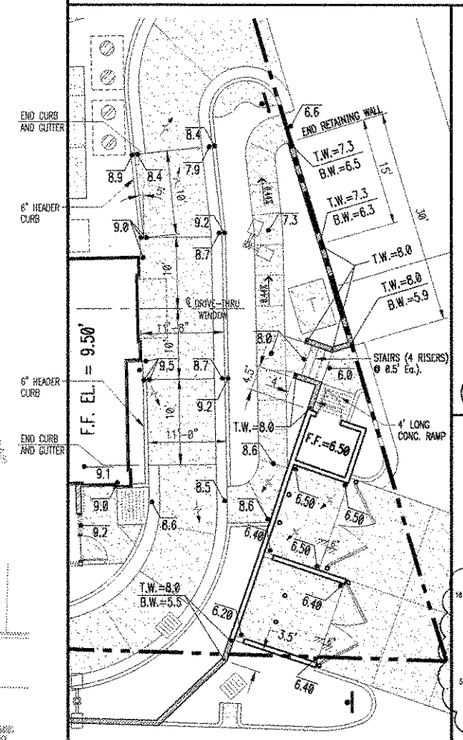
- ☐ Preliminary
- ☐ 80% Submittal
- ☒ For Construction

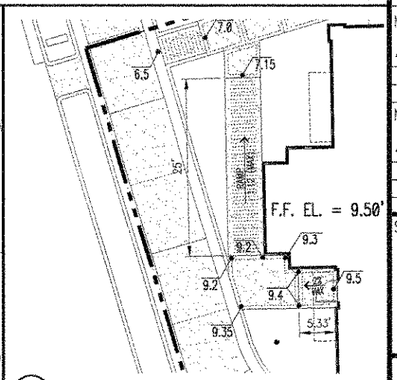
Job No. : 2004.0055
Store : 1740
Date : 05/13/04
Drawn By : MJ
Checked By : RA

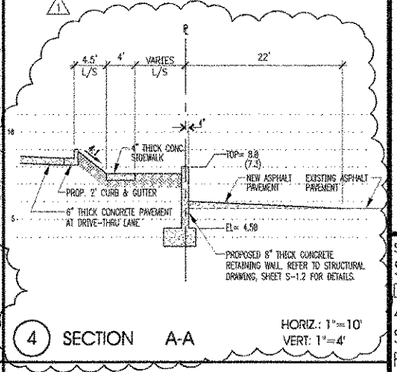
Sheet
C-2.0

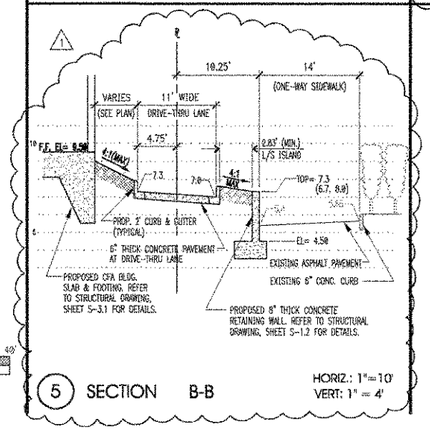












FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	10-20-04	J.R.
	CLIENT & ENGINEER'S REVISION.	

Mark	Date	By

Mark	Date	By

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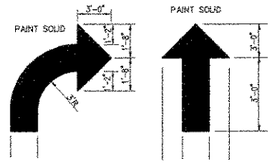
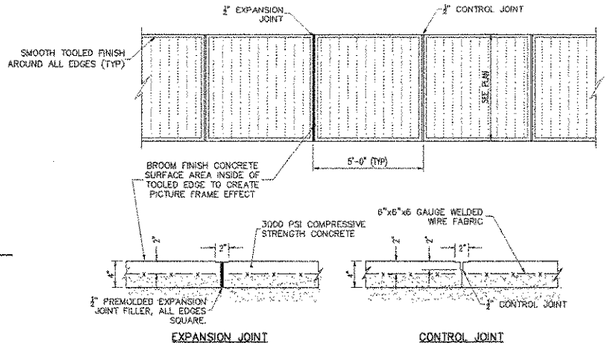
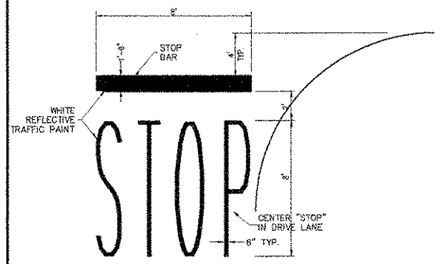


1 C-2.0 DIRECTIONAL ARROW
NOT TO SCALE

2 C-2.0 DRIVE-THRU GRAPHICS
NOT TO SCALE



5 C-2.0 TYPICAL CONCRETE SIDEWALK
NOT TO SCALE



3 C-2.0 STOP LINE GRAPHIC
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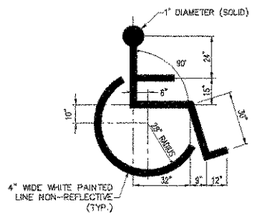

4 C-2.0 PAINTED HANDICAP SYMBOL
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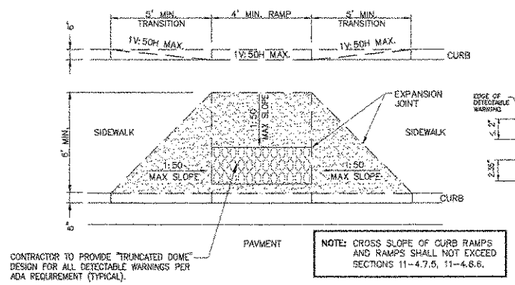

7A C-2.0 HANDICAP RAMP w/ FLARED SIDES
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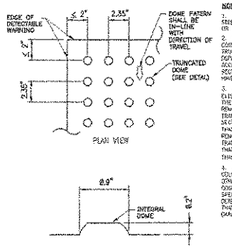

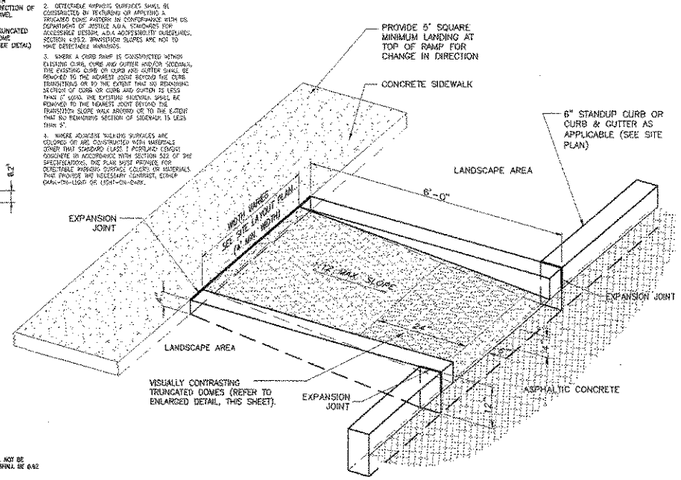

6 C-2.0 RETURNED CURB HANDICAP RAMP
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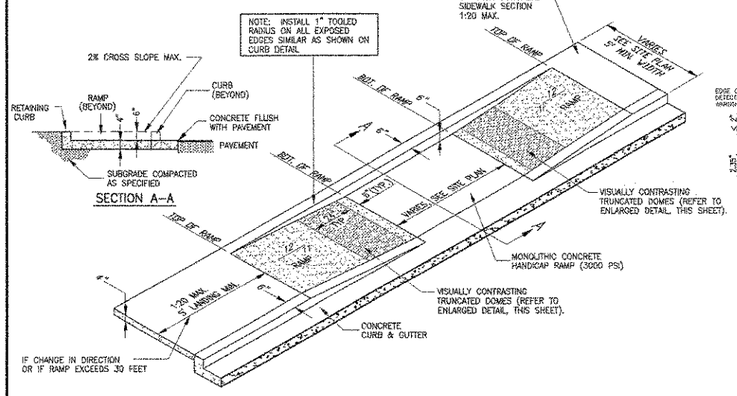
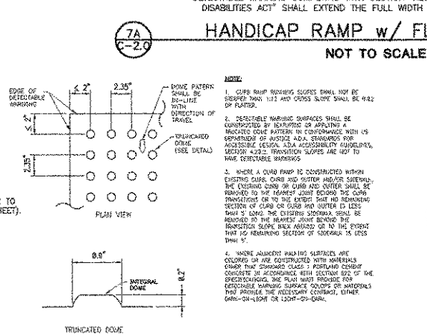
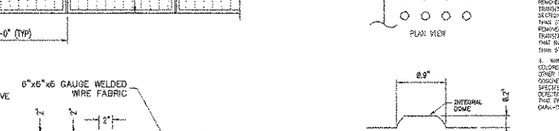
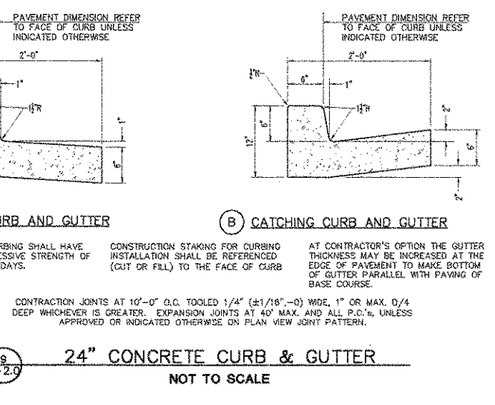


7 C-2.0 SIDEWALK HANDICAP RAMP DETAIL
NOT TO SCALE





B C-2.0 SIDEWALK WITH CURB & GUTTER SECTION
NOT TO SCALE



A SPILLING CURB AND GUTTER

CONCRETE FOR CURBING SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.

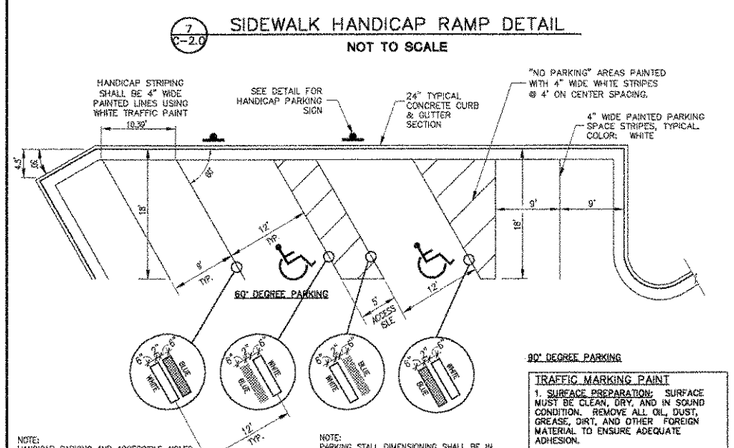
B CATCHING CURB AND GUTTER

CONSTRUCTION STAKING FOR CURBING INSTALLATION SHALL BE REFERENCED (CUT OR FILL) TO THE FACE OF CURB

AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT THE EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE.

CONTRACTION JOINTS AT 10'-0" O.C. TOOLED 1/4" (±1/16", -0) WIDE, 1" OR MAX. D/4 DEEP WHICHEVER IS GREATER. EXPANSION JOINTS AT 40' MAX. AND ALL P.C.'s, UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN VIEW JOINT PATTERN.

9 C-2.0 24" CONCRETE CURB & GUTTER
NOT TO SCALE



NOTE:
HANDICAP PARKING AND ACCESSIBLE AISLES SHALL NOT EXCEED 1:50 IN SLOPE IN ANY DIRECTION. IF ONLY ONE ACCESS ISLE IS INSTALLED, IT IS TO BE A VAN SIZE.

NOTE:
PARKING STALL DIMENSIONING SHALL BE IN ACCORDANCE WITH APPLICABLE GOVERNING AUTHORITY'S STANDARDS FOR THE DIMENSIONING SHOWN ON THE SITE LAYOUT PLAN.

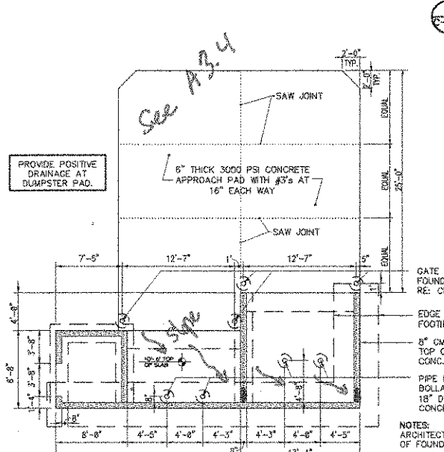
10 C-2.0 STANDARD PARKING STALL
NOT TO SCALE

TRAFFIC MARKING PAINT

1. SURFACE PREPARATION: SURFACE MUST BE CLEAN, DRY, AND IN SOUND CONDITION. REMOVE ALL OIL, DUST, GREASE, DIRT, AND OTHER FOREIGN MATERIAL TO ENSURE ADEQUATE ADHESION.

2. RECOMMENDED SPREADING RATE PER COAT: APPROXIMATELY 320 LINEAL FEET OF STANDARD 4" STRIPE PER GALLON.

WET MILS: 15.0
DRY MILS: 9.0
COVERAGE: 100 SQ. FT./GAL APPROXIMATE

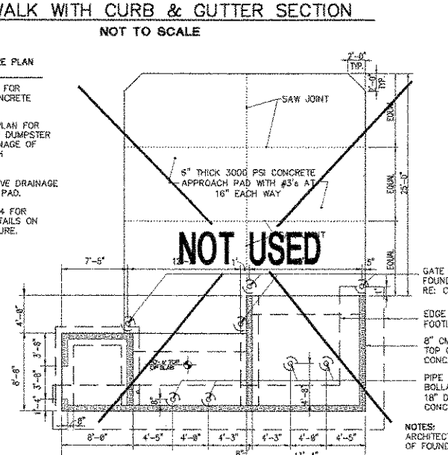


NOTES:
ARCHITECT SHALL VERIFY SIZE OF FOUNDATION & LOCATION.
1. COORDINATE WITH STRUCTURAL ENGINEER
2. RE: CIVIL FOR DRAINAGE

11 C-2.0 REFUSE ENCLOSURE FOUNDATION PLAN
NOT TO SCALE

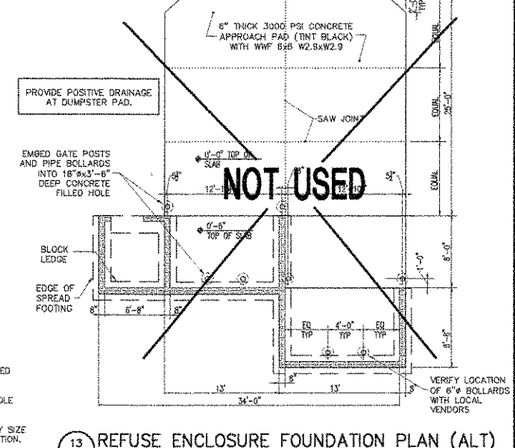
TRASH ENCLOSURE PLAN GENERAL NOTES

1. SEE SITE PLAN FOR LAYOUT OF CONCRETE LOADING PAD.
2. SEE GRADING PLAN FOR ELEVATIONS ON DUMPSTER PAD AND DRAINAGE OF INTERIOR TRASH ENCLOSURE.
3. PROVIDE POSITIVE DRAINAGE ON APPROACH PAD.
4. SEE SHEET A3.4 FOR ADDITIONAL DETAILS ON TRASH ENCLOSURE.



NOTES:
ARCHITECT SHALL VERIFY SIZE OF FOUNDATION & LOCATION.
1. COORDINATE WITH STRUCTURAL ENGINEER
2. RE: CIVIL FOR DRAINAGE

12 C-2.0 REFUSE ENCLOSURE ALTERNATE DRAINAGE PLAN
NOT TO SCALE



13 C-2.0 REFUSE ENCLOSURE FOUNDATION PLAN (ALT)
NOT TO SCALE

FOR CONSTRUCTION

Chick-fil-A
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Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By

Seal

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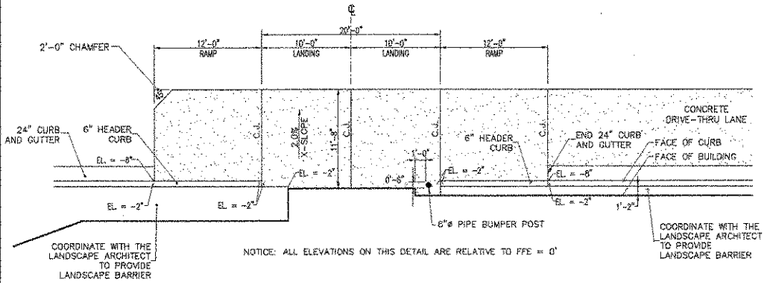
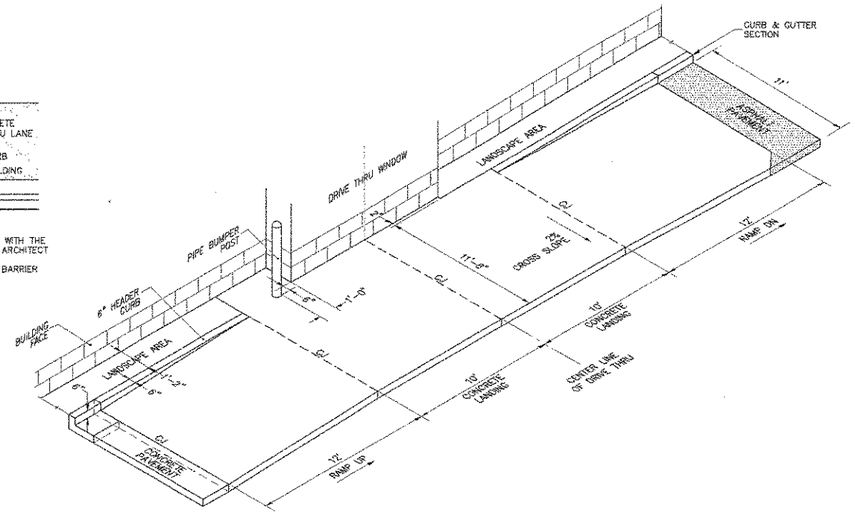
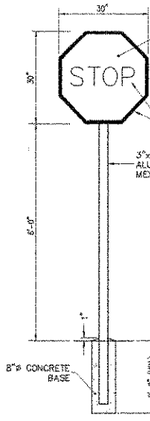


14 / 2.0 DRIVE-THRU PLAN
NOT TO SCALE



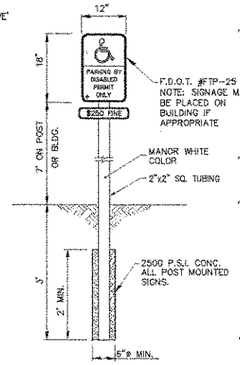
15 / 2.0 DRIVE-THRU ISOMETRIC
NOT TO SCALE



A STOP SIGN & STANDARD MOUNTING POST

NOTE:
SIGNS SHALL BE FABRICATED USING 5/8" 0.08 NON-ILLUMINATED ALUMINUM WITH VINYL COPY APPLIED TO THE FIRST SURFACE.

NOTE:
VERIFY COLORS WITH LOCAL MUNICIPALITY.

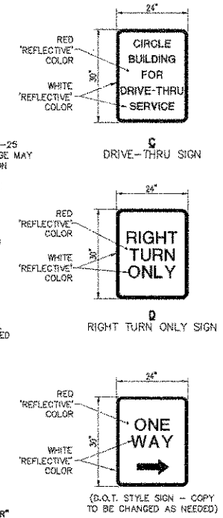


LETTERING STYLE TO BE HELVETICA MEDIUM

B HANDICAPPED PARKING SIGN

NOTE: "SIGNS PROVIDED AND INSTALLED BY CFA CONTRACTOR"

16 / 2.0 DIRECTIONAL SIGNAGE
NOT TO SCALE

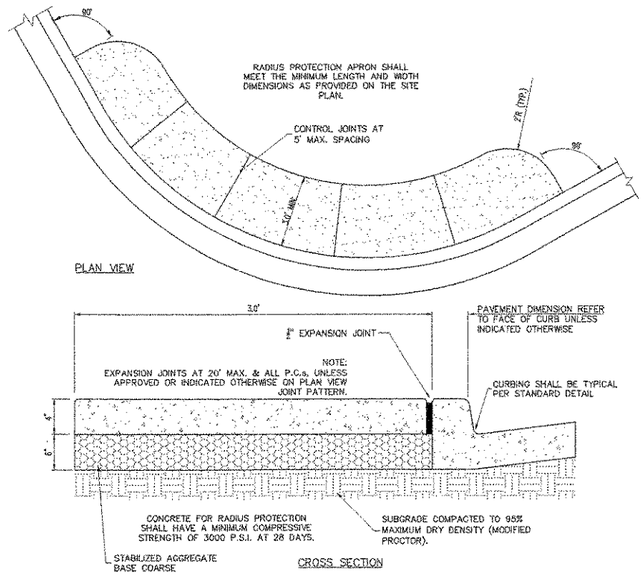


C DRIVE-THRU SIGN

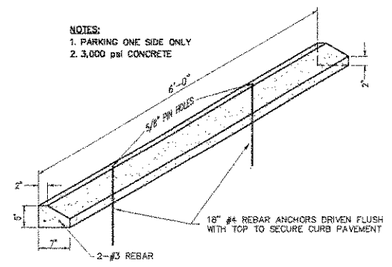
D RIGHT TURN ONLY SIGN

(D.O.T. STYLE SIGN - COPY TO BE CHANGED AS NEEDED)

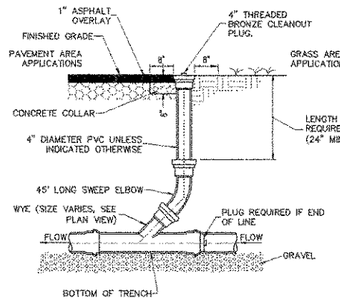
E ONE WAY SIGN



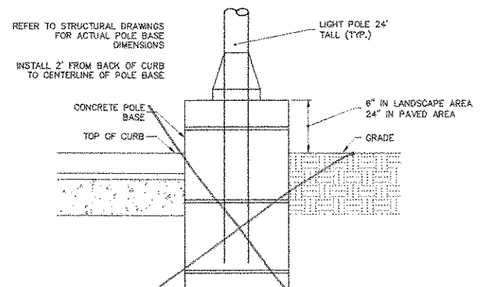
17 / C-2.0 LANDSCAPE & IRRIGATION PROTECTOR
NOT TO SCALE



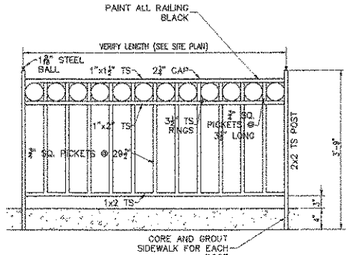
18 / C-2.0 CONCRETE WHEEL STOP
NOT TO SCALE



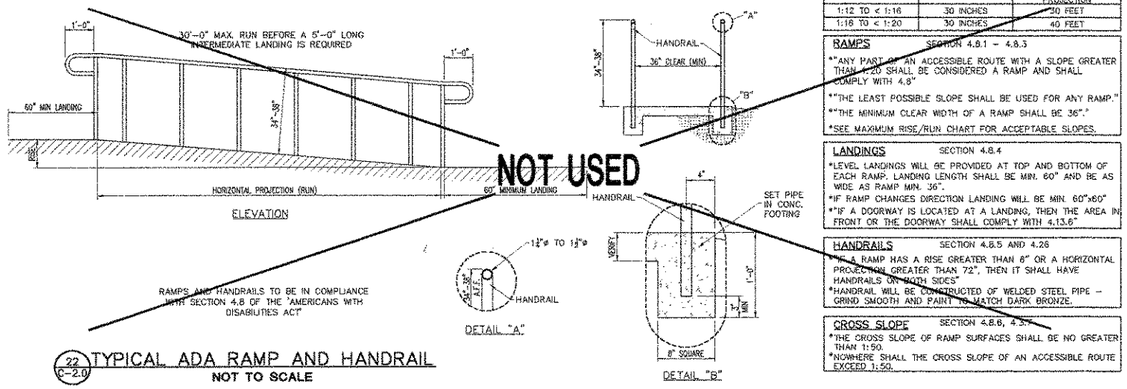
19 / C-2.0 SERVICE LINE CLEANOUT
NOT TO SCALE



20 / C-2.0 TYPICAL POLE BASE
NOT TO SCALE



21 / C-2.0 HANDRAIL ELEVATION
NOT TO SCALE



22 / C-2.0 TYPICAL ADA RAMP AND HANDRAIL
NOT TO SCALE

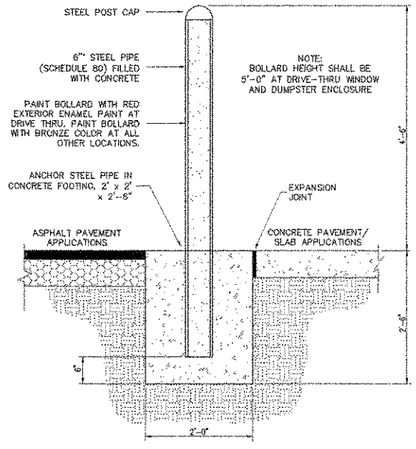
MAX. RISE/RUN FOR ACCESSIBLE RAMPS		
SLOPE	MAXIMUM RISE	MAXIMUM HORIZONTAL PROJECTION
1:12 TO < 1:16	30 INCHES	30 FEET
1:16 TO < 1:20	30 INCHES	40 FEET

RAMPS SECTION 4.8.1 - 4.8.3
*"ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP AND SHALL COMPLY WITH 4.8"
*"THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP."
*"THE MINIMUM CLEAR WIDTH OF A RAMP SHALL BE 36"."
*SEE MAXIMUM RISE/RUN CHART FOR ACCEPTABLE SLOPES.

LANDINGS SECTION 4.8.4
*LEVEL LANDINGS WILL BE PROVIDED AT TOP AND BOTTOM OF EACH RAMP. LANDING LENGTH SHALL BE MIN. 60" AND BE AS WIDE AS RAMP MIN. 36".
*IF RAMP CHANGES DIRECTION LANDING WILL BE MIN. 60"x60"
*"IF A DOORWAY IS LOCATED AT A LANDING, THEN THE AREA IN FRONT OF THE DOORWAY SHALL COMPLY WITH 4.13.6"

HANDRAILS SECTION 4.8.5 AND 4.26
*"IF A RAMP HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72", THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES"
*HANDRAIL WILL BE CONSTRUCTED OF WELDED STEEL PIPE - GRIND SMOOTH AND PAINT TO MATCH DARK BRONZE.

CROSS SLOPE SECTION 4.8.6, 4.26
*"THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:50.
*NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:50.



23 / C-2.0 PIPE BUMPER POST
NOT TO SCALE

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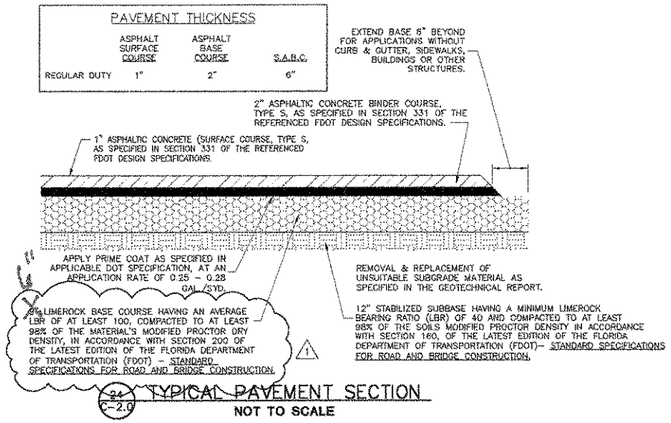

24 C-2.0 TYPICAL PAVEMENT SECTION
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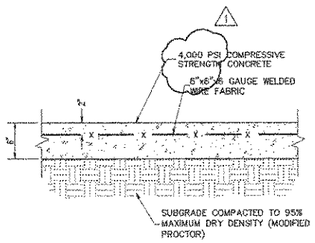
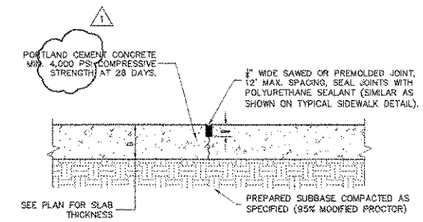
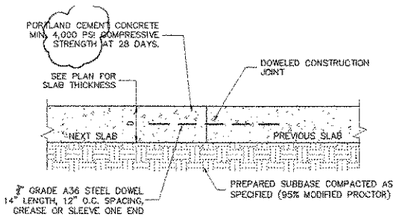


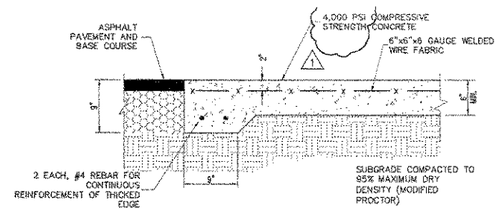
28 C-2.0 CONCRETE PAVING DRIVE-THRU LANE
NOT TO SCALE



25 C-2.0 TRANSVERSE AND LONGITUDINAL CONTRACTION JOINT
NOT TO SCALE



26 C-2.0 TRANSVERSE AND LONGITUDINAL DOWELED CONSTRUCTION JOINT
NOT TO SCALE



27 C-2.0 CONCRETE APRON @ TRASH ENCLOSURE
NOT TO SCALE

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	10-28-04	J.R.
	CLIENT & ENGINEER'S REVISION.	

Mark	Date	By

Mark	Date	By

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INTERPLAN LLC
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INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES S03-A
Dolphin Village
4623 Gulf Blvd.
St. Pete Beach
FLORIDA

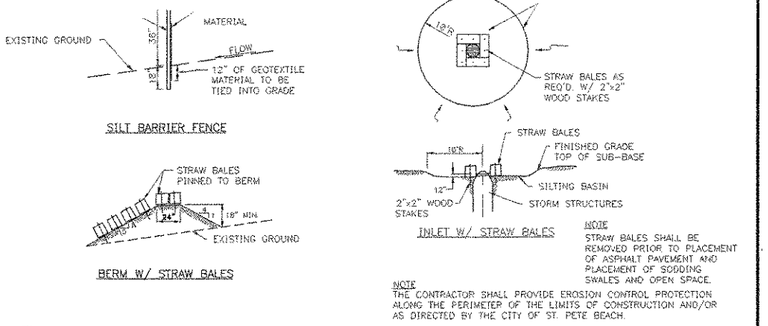
SHEET TITLE
CFA STANDARD DETAILS

DWG EDITION 04.6

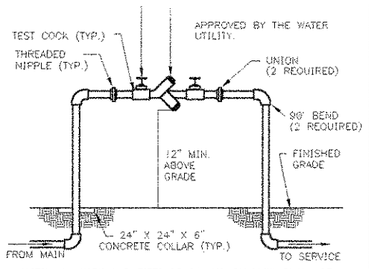
☐ Preliminary
☐ 80% Submittal
☒ For Construction

Job No. : 2004.0055
Store : 1740
Date : 05/13/04
Drawn By : MJ
Checked By : RA

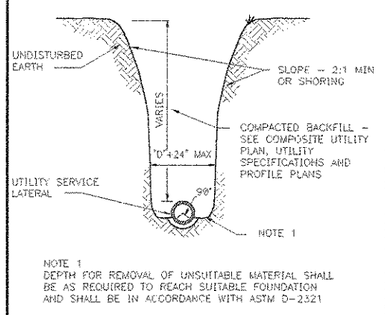
Sheet
C-4.2



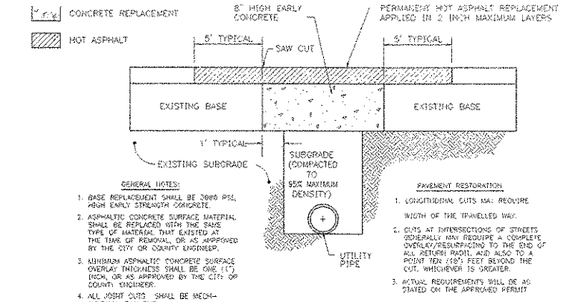
1 EROSION CONTROL NTS



2 BACKFLOW PREVENTER DETAIL NTS

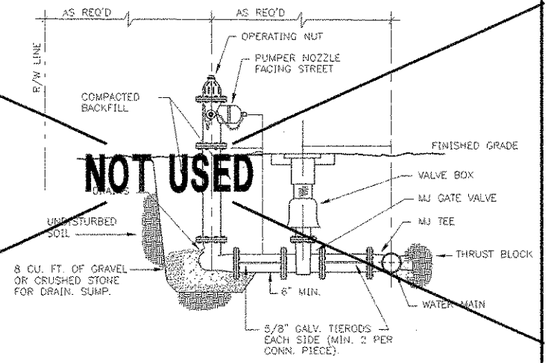


3 TYPICAL TRENCH DETAIL NTS



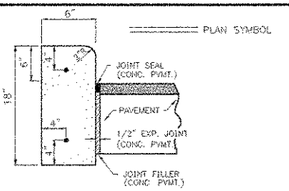
4 OPEN CUT DETAIL NTS

NOTES :
VALVE BOX SHALL BE SCREW TYPE ADJUSTABLE AND COVER SHALL BE MARKED "WATER."
FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN THE RADIUS OF STREET CORNERS.
LOCATE HYDRANT 4' TO 8' FROM EDGE OF PAVEMENT IN BETWEEN CURB AND SIDEWALK.
PAINT HYDRANT W/DUPONT 7744A OR EQUAL.



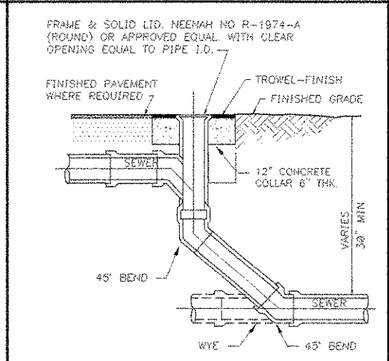
NOT USED

5 FIRE HYDRANT ASSEMBLY DETAIL NTS

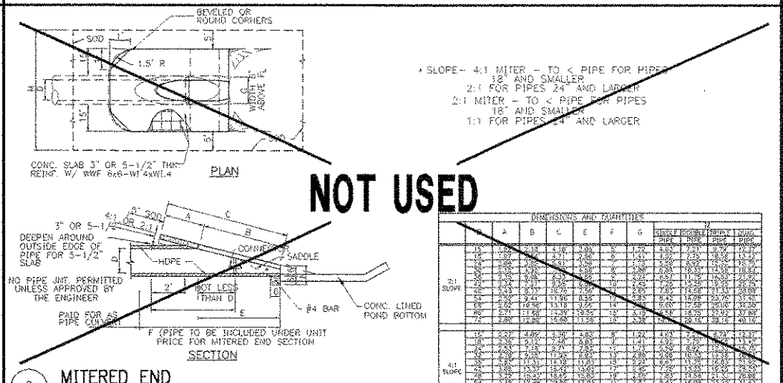


NOTES:
1. PROVIDE 2–#4 BARS CONT.
2. COST OF BARS SHALL BE INCLUDED
3. PROVIDE 2–#6 SMOOTH BARS W/ EXPANSION CAPS AT EACH EXPANSION JOINT, 20'–0" O.C. MAX.
4. CONTRACTION JOINTS – CONTRACTION JOINTS SHALL BE PLACED AT EQUAL SPACES (10' MAX.) BETWEEN NORMAL EXPANSION JOINTS. CONTRACTION JOINTS SHALL BE SAW CUT IN THE UPPER 1/3 OF CURB AND GUTTER WITHIN 24 HOURS OF PLACEMENT.
5. ENDS OF VERTICAL CURB SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3'.

6 6" VERTICAL CURB NTS



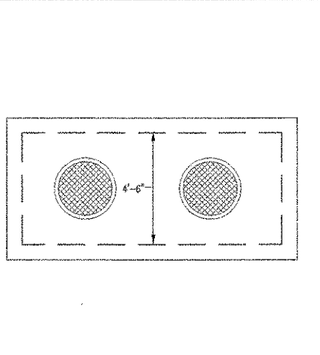
7 DROP CLEANOUT NTS



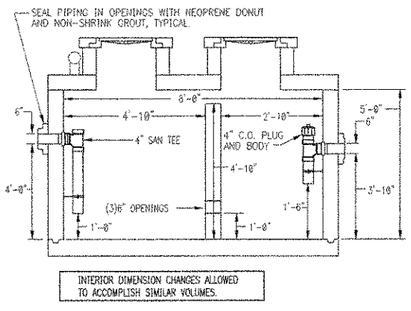
NOT USED

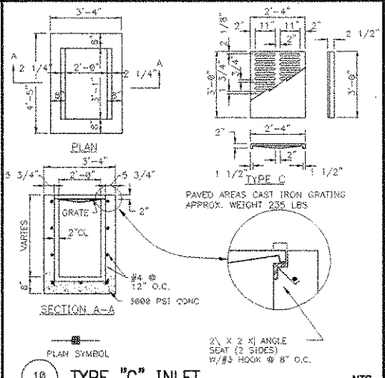
		DIMENSIONS AND QUANTITIES									
		A	B	C	E	F	G	CONCRETE PIPE	REINFORCED CONCRETE PIPE	STEEL PIPE	ALUMINUM PIPE
2:1 SLOPE	15"	1.92	3.21	0.96	4	1	1	3.50	2.63	1.75	1.75
	18"	2.17	3.71	1.08	4	1	1	4.00	3.00	2.00	2.00
	24"	2.67	4.71	1.33	4	1	1	4.83	3.63	2.42	2.42
	30"	3.17	5.71	1.58	4	1	1	5.67	4.25	2.83	2.83
	36"	3.67	6.71	1.83	4	1	1	6.50	4.88	3.25	3.25
	42"	4.17	7.71	2.08	4	1	1	7.33	5.50	3.67	3.67
	48"	4.67	8.71	2.33	4	1	1	8.17	6.13	4.08	4.08
	54"	5.17	9.71	11.96	8.33	1	1	9.00	6.75	4.50	4.50
	60"	5.67	10.71	13.21	9.17	1	1	9.83	7.38	4.92	4.92
	66"	6.17	11.46	14.39	10.50	1	1	10.67	8.00	5.33	5.33
	72"	6.67	12.46	15.64	11.33	1	1	11.50	8.63	5.75	5.75
4:1 SLOPE	15"	2.92	4.88	5.38	4.83	1	1	4.83	3.63	2.42	2.42
	18"	3.42	5.71	6.29	5.83	1	1	5.67	4.25	2.83	2.83
	24"	4.42	7.38	8.21	7.67	1	1	7.33	5.50	3.67	3.67
	30"	5.42	9.04	10.13	9.50	1	1	9.00	6.75	4.50	4.50
	36"	6.42	10.71	12.04	11.33	1	1	10.67	8.00	5.33	5.33
	42"	7.42	12.38	13.96	13.17	1	1	12.33	9.25	6.17	6.17
	48"	8.42	14.04	15.88	15.00	1	1	14.00	10.50	7.00	7.00
	54"	9.42	15.71	17.79	16.83	1	1	15.67	11.75	7.83	7.83
	60"	10.42	17.38	19.71	18.67	1	1	17.33	13.00	8.67	8.67
	66"	11.42	19.04	21.63	20.50	1	1	19.00	14.25	9.50	9.50
	72"	12.42	20.71	23.54	22.33	1	1	20.67	15.50	10.33	10.33

8 MITERED END SECTION NTS

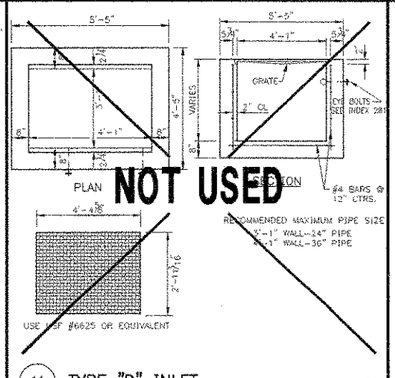


9 GREASE TRAP NTS



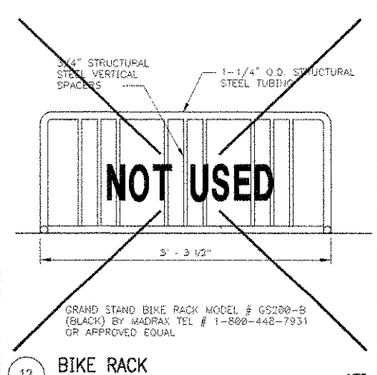


10 TYPE "C" INLET NTS



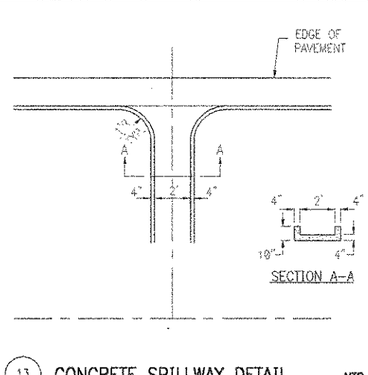
NOT USED

11 TYPE "D" INLET NTS

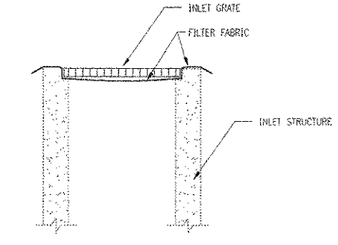


NOT USED

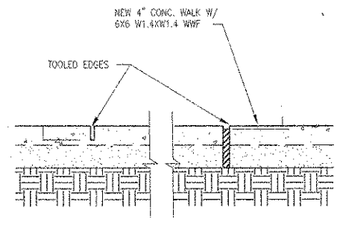
12 BIKE RACK DETAIL NTS



13 CONCRETE SPILLWAY DETAIL NTS



14 EROSION CONTROL SOCK NTS



15 CONCRETE WALK NTS

FOR CONSTRUCTION

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PROJECT MANAGEMENT

Revisions:

Mark	Date	By

Seal

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STORE
SERIES S03-A
Dolphin Village
4623 Gulf Blvd.
St. Pete Beach
FLORIDA

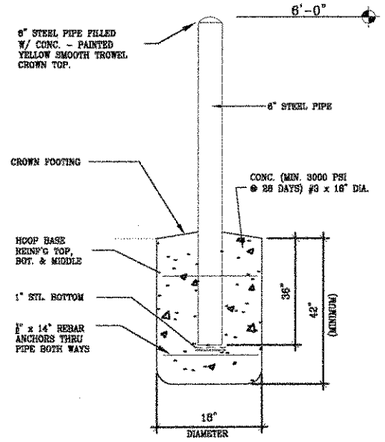
SHEET TITLE
CONSTRUCTION DETAILS

DWG EDITION 04.6

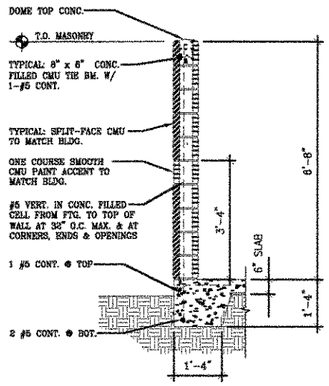
☐ Preliminary
☐ 80% Submittal
☒ For Construction

Job No. : 2004.0055
Store : 1740
Date : 05/13/04
Drawn By : RM
Checked By : RA

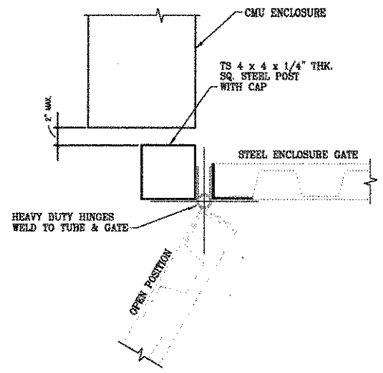
Sheet
C-5.0



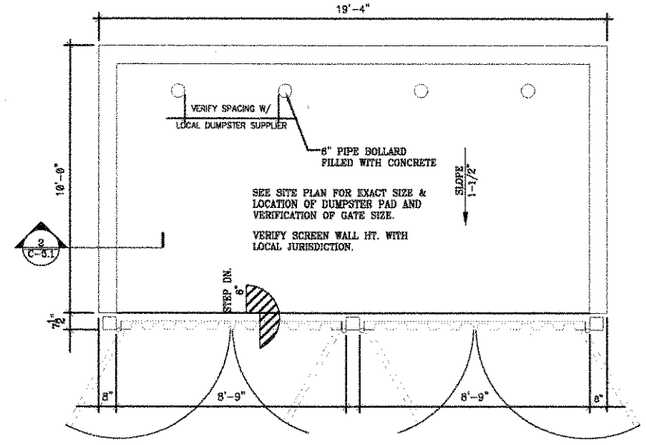
1 TYPICAL PIPE BOLLARD SECTION
C-5.1 SC: 1/2"=1'-0"



2 DUMPSTER WALL SECTION
C-5.1 SC: 1/2"=1'-0"



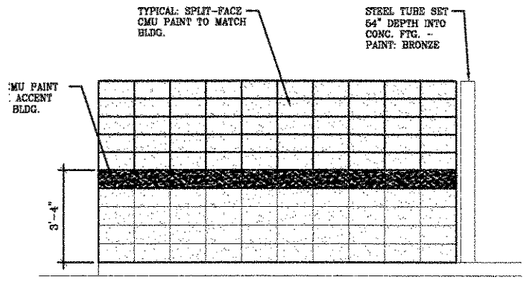
3 GATE POST DETAIL
C-5.1 SC: N.T.S.



4 PLAN & GATE POST DETAIL
C-5.1 SC: NTS

5 NOT USED
– SC: –

6 NOT USED
– SC: –



7 SIDE ELEVATION DUMPSTER ENCL.
C-5.1 SC: NTS

8 GATE ELEVATION DUMPSTER ENCL.
C-5.1 SC: NTS

9 NOT USED
– SC: –

Bennigan's dumpster

FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Rd.
Atlanta Georgia,
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Revisions:

Mark	Date	By

Seal

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SHEET TITLE
BENNIGAN'S DUMPSTER PLAN and DETAILS

DWG EDITION 04.6

- ☐ Preliminary
- ☐ 80% Submittal
- ☒ For Construction

Job No.	2004.0055
Store	1740
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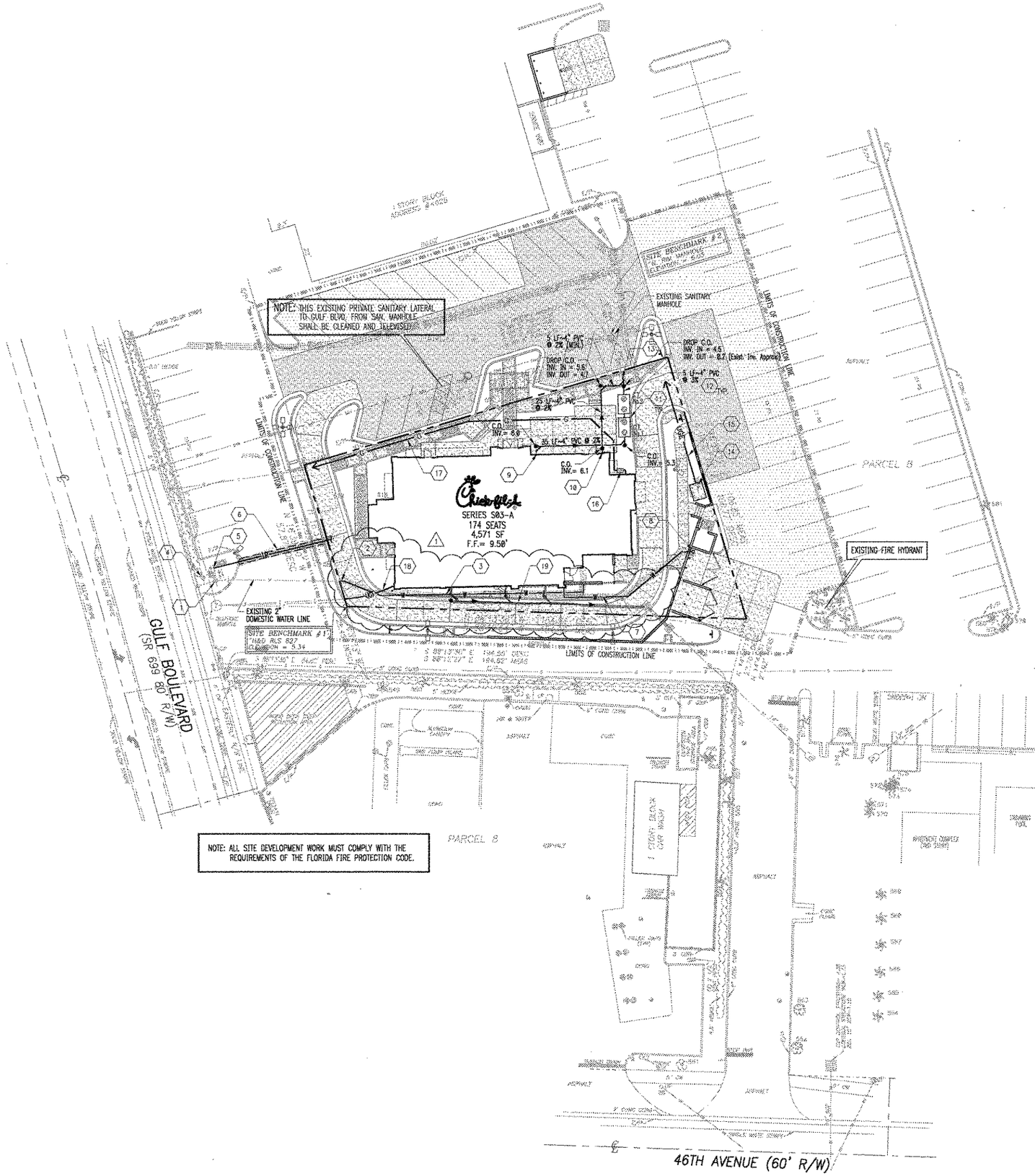
Sheet
C-5.1



TREE CHART

547	--	6"	TREE
548	--	16"	PALM
549	--	6"	MAGNOLIA
550	--	12"	TREE
551	--	12"	PALM
552	--	12"	TREE
553	--	16"	PALM
554	--	14"	PALM
557	--	14"	PALM
558	--	7"	TREE
559	--	16"	PALM
561	--	10"	PALM
562	--	8"	CHERRY
563	--	10"	CHINA
564	--	18"	PALM
565	--	18"	PALM
566	--	18"	PALM
567	--	18"	PALM
568	--	18"	PALM
569	--	18"	PALM
570	--	18"	PALM
571	--	18"	PALM
572	--	18"	PALM
573	--	8"	PALM
574	--	8"	PALM
575	--	8"	PALM
576	--	8"	TREE
577	--	8"	TREE
578	--	18"	PALM
579	--	18"	PALM
580	--	12"	PALM
581	--	8"	TREE
582	--	18"	PALM
583	--	18"	PALM
584	--	18"	PALM
585	--	18"	PALM
586	--	18"	PALM
587	--	18"	PALM
588	--	18"	PALM
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610	--	18"	PALM
611	--	18"	PALM
612	--	18"	PALM
613	--	18"	PALM
614	--	4-4"	PALM

PLAN NOTES

1. EXISTING 1 1/2" DOMESTIC WATER METER AND BACKFLOW PREVENTER ASSEMBLY.
2. CONNECT PROPOSED 2" TYPE "K" COPPER DOMESTIC WATERLINE TO EXISTING 2" WATER LINE.
3. NEW 2" TYPE "K" COPPER DOMESTIC WATER SERVICE INTO BUILDING.
4. EXISTING 1 1/2" IRRIGATION WATER METER AND BACKFLOW PREVENTER ASSEMBLY.
5. CONNECT PROPOSED 1 1/2" IRRIGATION LINE TO EXISTING 1 1/2" IRRIGATION LINE.
6. 1 1/2" IRRIGATION LINE (REFER TO IRRIGATION PLAN FOR CONTINUATION).
7. 3/4" TYPE 'K' COPPER COLD WATER LINE TO DUMPSTER POST HYDRANT.
8. 3/4" NON-FREEZE POST HYDRANT (SEE PLUMBING PLAN FOR EXACT LOCATION).
9. 4" PVC GREASE LINE FROM BUILDING AT 2% MINIMUM SLOPE
10. 4" PVC SANITARY LINE FROM BUILDING AT 2% MINIMUM SLOPE
11. TWO (2) - 750 GALLON GREASE TRAPS (9/C6)

GREASE TRAP No.1
TOP OF COVER = 9.28
INV. IN= 5.2
INV. OUT= 5.0

GREASE TRAP No. 2
TOP OF COVER = 9.28
INV. IN= 4.9
INV. OUT= 4.7

GREASE TRAP SIZING FORMULA:

PER FLORIDA PLUMBING CODE 2001,
EFFECTIVE CAPACITY OF GREASE = (S) x (GS) x (HR/12) x (LF)
INTERCEPTOR IN GALLONS

Where: S = Number of seats in dining area
GS = Gallons of waste water per seat
(Use 25 gallons for restaurants with china dishes and/or automatic dishwasher)
(Use 18 gallons for restaurants with paper or baskets and no dishwasher)
HR= Number of hours restaurant is open
LF= Loading Factor
(Use 2.50 interstate highway, 1.50 other freeways, 1.25 recreational area, 1.00 main highway, 0.75 other highway)

GREASE TRAP SIZE = (174) x (18) x (4/12) x (1.00) = 1,983 Gallons
1,983 - (25%)496 = 1,487 Gallons (For Public System)
USE TWO (2) - 750 GALLON GREASE TRAPS (IN SERIES).

12. SANITARY SEWER PIPE TO BE SDR 35. SIZE, LENGTH AND SLOPE AS SPECIFIED.
13. CONNECT PROPOSED TWO (2) 4" PVC (USING A DOUBLE 'WYE') TO EXISTING 6" PVC LATERAL AND PROVIDE DROP CLEAN-OUT.

NOTE: CONTRACTOR SHALL FIELD VERIFY INVERT OF EXISTING 6" PVC LATERAL PRIOR TO START OF CONSTRUCTION. REPORT TO ENGINEER IF ANY CONFLICT EXISTS.

14. PAD MOUNTED TRANSFORMER (BY FLORIDA POWER AND LIGHT) AND BOLLARDS.
15. CONTRACTOR SHALL COORDINATE UNDERGROUND ELECTRIC SERVICE CONNECTION WITH PROGRESS ENERGY FOR CONDUIT SIZE AND BURIED DEPTH REQUIREMENT. PRIMARY SERVICE TO THE TRANSFORMER IS PROVIDED BY THE POWER COMPANY.
16. GAS METER BY GAS COMPANY.
17. CONTRACTOR SHALL COORDINATE NEW UNDERGROUND GAS SERVICE CONNECTION WITH TECO PEOPLES GAS.
18. CONTRACTOR SHALL COORDINATE NEW UNDERGROUND TELEPHONE SERVICE CONNECTION WITH VERIZON. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING A TWO (2") INCH PVC CONDUIT WITH PULL STRING INSTALLED FROM POINT OF SERVICE TO R.O.W. LINE.
19. PROPOSED STORM DRAINAGE LINE (REFER TO GRADING PLAN, SHEET C-3.0).

UTILITY TESTING AND DISINFECTING NOTES

HYDROSTATIC PRESSURE AND LEAKAGE TESTS SHALL BE CONDUCTED ON ALL NEWLY INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES. THE TESTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF AWWA C600 OR M23 AS APPLICABLE

DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651 DISINFECTING WATER MAINS.

THE CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT THE ACTIVE EXISTING MAIN FROM BACKFLOW CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF THE NEW MAIN, AS SPECIFIED IN ANSI/AWWA C651-99.

FOR CONSTRUCTION

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Revisions:

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SHEET TITLE
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SITE PLAN

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Sheet
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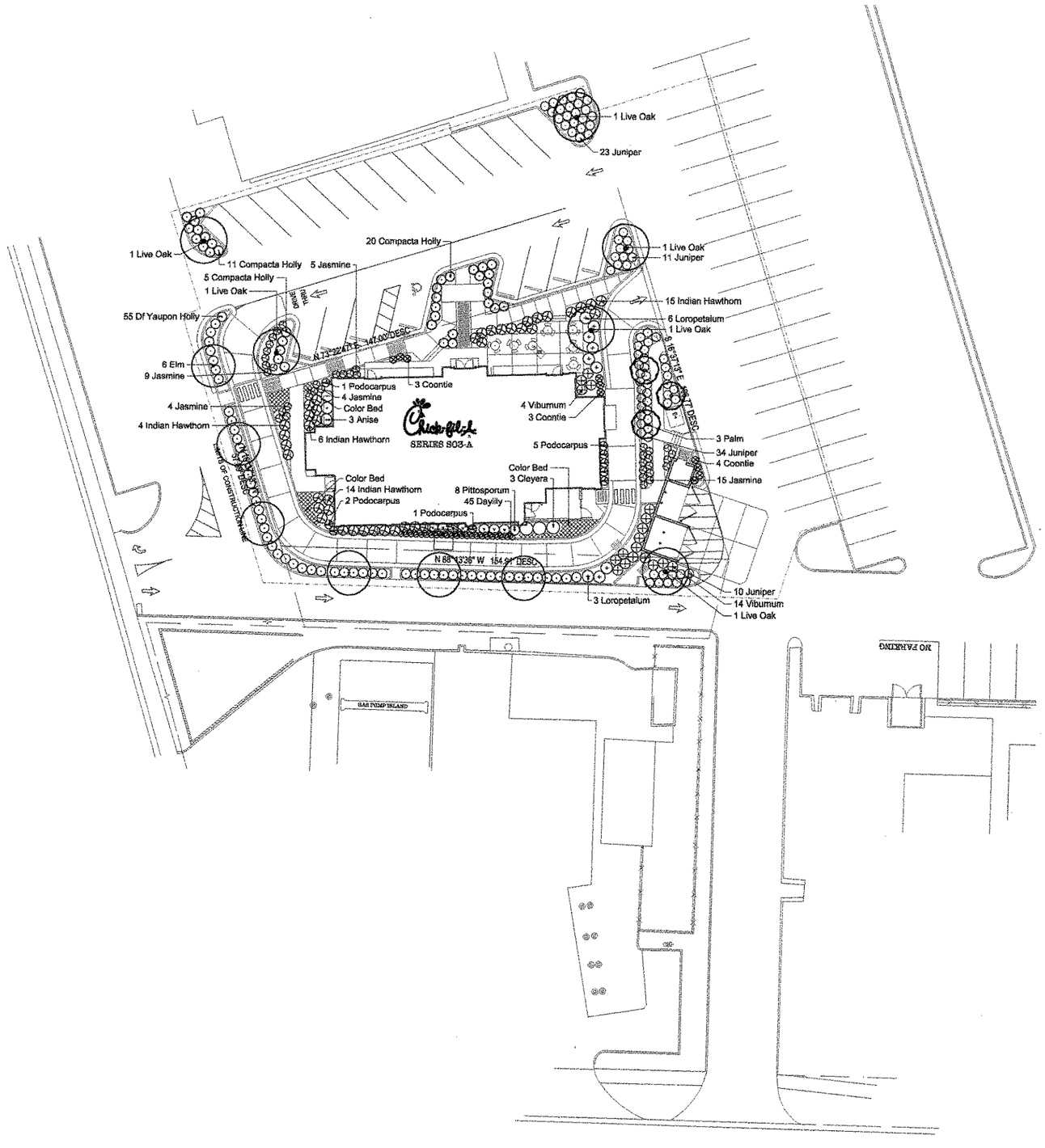
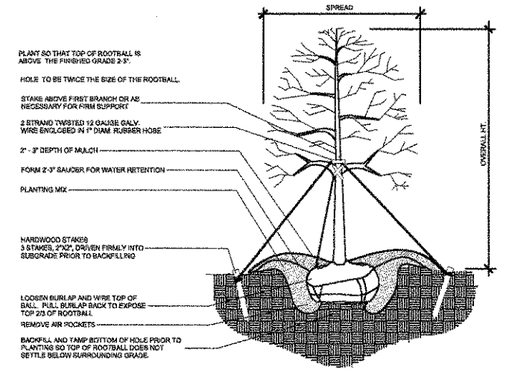
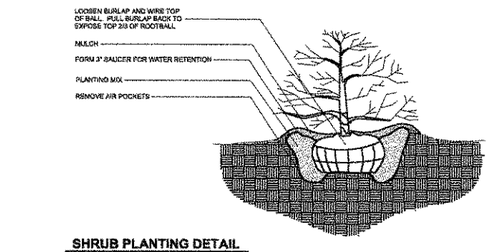




TREE PLANTING DETAIL
N.T.S.

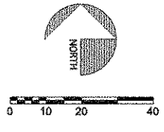


SHRUB PLANTING DETAIL
N.T.S.

PLANT LIST

CFA Dolphin Village - St Pete Beach, FL

Qty	Botanical Name	Common Name	Size and Specification
	Trees		
6	Ulmus parvifolia	Chinese Elm	3" Cal. min.; 12' hgt. min.
3	Phoenix canariensis	Canary Island Date Palm	3" Cal. min.; 12' hgt. min.
6	Quercus virginiana	Live Oak	3" Cal. min. ; 12' hgt. min.
	Shrubs and Groundcover		
3	Cleyera japonica	Japanese Cleyera	3 Gal.
45	Hemerocallis	Daylily	1 Gal.
3	Illicium anisatum	Anise	3 Gal.
36	Ilex cornuta 'Compacta'	Compacta Holly	3 Gal.
55	Ilex vomitoria nana	Df Yaupon Holly	3 Gal.
37	Jasminum multiflorum	Pinwheel Jasmine	3 Gal.
78	Juniperus davurica	Parson's Juniper	3 Gal.
9	Loropetalum chinense rubrum 'Mon Raz'	Razzleberry Fringe Flower	3 Gal
8	Pittosporum tobira 'Variegata'	Variegated Pittosporum	3 Gal.
9	Podocarpus macrophyllus	Japanese Yew	7 Gal.
39	Raphiolepis indica	Indian Hawthorn	3 Gal.
10	Zamia pumila	Coontie	1 Gal.
18	Viburnum odoratissimum	Sweet Viburnum	3 Gal
	Other		
160	Color Bed	seasonal	S.F.; Prep and Plant 10"o.c.



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

Revisions:

Mark	Date	By
1	6-7-04	KMD
	City Comments	
	New Site Plan	
Mark	Date	By
2	7-19-04	KMD
	New Site Plan	
Mark	Date	By
3	8-23-04	KMD
	New Site Plan	
Mark	Date	By
4	8-31-04	KMD
	New Site Plan	

Seal

IVEY LANDSCAPING, INC.
500 Merrowey Ct.
Alpharetta, GA 3002 2
770-663-4288
770-663-4288 Fax

MANLEY LAND DESIGN INC
landscape architecture

STORE

DOLPHIN VILLAGE
ST PETE BEACH, FL

SHEET TITLE

Landscape Plan

DWG EDITION ...

- ☐ Preliminary
- ☐ 80% Submittal
- ☐ For Construction

Job No. : 2004058
Store :
Date : 5-11-04
Drawn By : KMD
Checked By: SLM

Sheet

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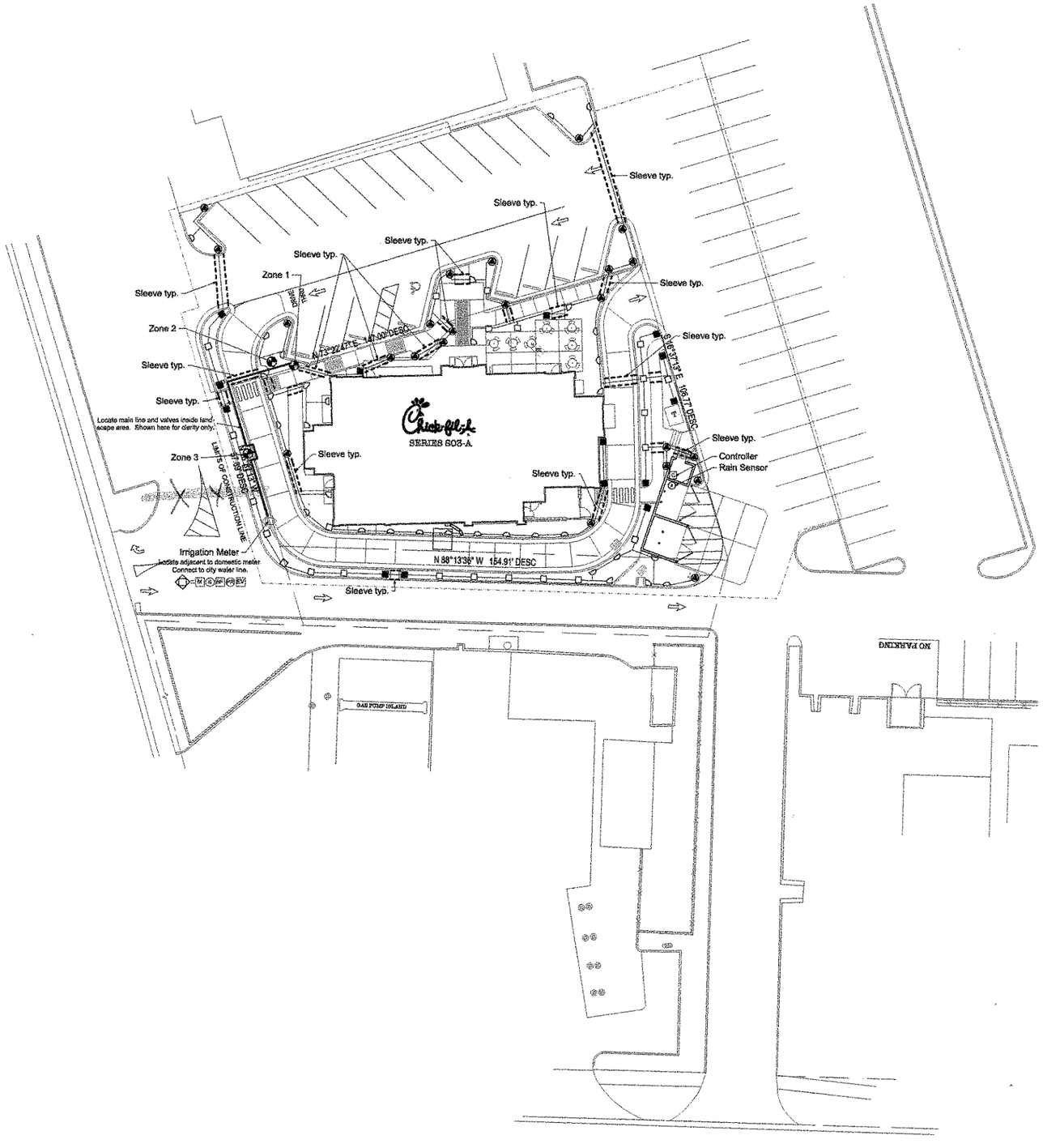

IRRIGATION LEGEND

M	1" IRRIGATION METER	
S	1" MANUAL SHUTOFF VALVE	(1 REQUIRED)
BF	REQUIRED BACKFLOW PREVENTOR	
PR	1" PRESSURE REGULATOR	TORO PRV-150-HR-35 or EQUAL
EV	1" ELECTRICAL MASTER VALVE	(1 REQUIRED)
	SIDE STRIP SPRAY HEAD	TORO 570-4-SST or EQUAL
	END STRIP SPRAY HEAD	TORO 570-4-EST or EQUAL
	360 SPRAY HEAD - 10' RADIUS	TORO 570-10-F or EQUAL
	270 SPRAY HEAD - 10' RADIUS	TORO 570-10-TQ or EQUAL
	180 SPRAY HEAD - 10' RADIUS	TORO 570-10-H or EQUAL
	90 SPRAY HEAD - 10' RADIUS	TORO 570-10-Q or EQUAL
	VARIABLE SPRAY HEAD	TORO 570-V-15 or EQUAL
	360 SPRAY HEAD - 15' RADIUS	TORO 570-15-F or EQUAL
	270 SPRAY HEAD - 15' RADIUS	TORO 570-15-TQ or EQUAL
	180 SPRAY HEAD - 15' RADIUS	TORO 570-15-H or EQUAL
	90 SPRAY HEAD - 15' RADIUS	TORO 570-15-Q or EQUAL
	1" ELECTRIC VALVE	TORO 252-06-04 (3 REQUIRED)
C	AUTOMATIC CONTROLLER	RAINBIRD ESP-12C or EQUAL 3 STATIONS
R	RAIN SENSOR	TORO 850-74
	CLASS 200 PVC IRRIGATION PIPE AND FITTINGS	1" PIPE unless otherwise indicated on drawing
	4" CLASS 200 PVC SLEEVE UNDER PAVEMENT	installation of sleeves by contractor in location as shown on plan

IRRIGATION NOTES:

1. IRRIGATION CONTRACTOR TO LOCATE AND PROTECT ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
2. ALL VALVES TO BE LOCATED IN VALVE BOX WITH COVER AT GRADE. LOCATE BOX IN GRASS AREA WHEN POSSIBLE.
3. AUTOMATIC CONTROLLER AND RAIN SENSOR TO BE LOCATED IN THE STORAGE ROOM TRASH ENCLOSURE RESPECTIVELY.
4. 60 PSI REQUIRED PER ROTOR STATION. 40 PSI REQUIRED PER SPRAY STATION. FLOW ADJUSTMENTS CAN BE MADE AT THE ZONE'S VALVE TO COMPENSATE DIFFERENCE IN PSI.
5. PRESSURE REGULATOR REQUIRED BY LOCAL CODE IF STATIC WATER PRESSURE AT POINT OF CONNECTION FOR SITE IS GREATER THAN 80 PSI.
6. 4" CLASS 200 PVC SLEEVES TO BE LOCATED AS SHOWN ON DRAWING. EXTEND SLEEVE 18" BEYOND BACK OF CURB OR PAVEMENT. SLEEVES TO BE LOCATED AND EXPOSED BY THE GENERAL CONTRACTOR PRIOR TO START OF IRRIGATION INSTALLATION.
7. POP UP HEIGHT OF SPRAY HEADS TO BE AS FOLLOWS: 4" IN TURF ZONES, 6" IN SHRUB ZONES, AND 12" IN SEASONAL/COLOR BEDS. ROTOR HEIGHT TO BE 4". NOZZLE SIZE IS INDICATED ON DRAWING.
8. ALL PIPES, AUTOMATIC VALVES, BACKFLOW PREVENTOR, MANUAL VALVE AND METER TO BE LOCATED WITHIN PROPERTY LINES. SHOWN OUTSIDE ON DRAWING FOR CLARITY ONLY.
9. IRRIGATION METER AND BACKFLOW PREVENTOR TO BE PROVIDED BY THE GENERAL CONTRACTOR.
10. ALL MAIN LINES TO HAVE A MINIMUM OF 18" COVER (CLASS 200 PVC PIPE).
11. ALL LATERAL AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" AND A MAXIMUM OF 18" COVER.
12. NO ROCKS, BOULDERS, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING TRENCHES.
13. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
14. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
15. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
16. AN APPROVED EQUAL PRODUCT MAY BE SUBSTITUTED FOR THE SPECIFIED PRODUCT ON THIS DRAWING.
17. EACH IRRIGATION ZONE WILL HAVE A RUN TIME OF APPROXIMATELY 10 MINUTES FOR 3 DAYS A WEEK.
18. IRRIGATION CONTRACTOR SHALL PROVIDE AN AS BUILT DRAWING TO THE LANDSCAPE ARCHITECT. THIS DRAWING SHALL BE OVERNIGHTED TO MANLEY LAND DESIGN, INC WITHIN 24 HOURS OF COMPLETION OF INSTALLATION.

IRRIGATION ZONES

1.....21.99 GPM
2.....18.40 GPM
3.....22.35 GPM

NORTH

0 10 20 40

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5200 Buffington Rd.
Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By
1	6-7-04	KMD
	City Comments	
	New Site Plan	
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	New Site Plan	
4	8-31-04	KMD
	New Site Plan	

Seal

IVEY LAND SCAPING, INC.
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MANLEY LAND DESIGN INC
landscape architecture
5149 Olde Ivy Road, Atlanta, 30004
ph 770.442.0571 fax 770.442.1533
manleylandesign@bellsouth.com

STORE

DOLPHIN VILLAGE
ST PETE BEACH, FL

SHEET TITLE

Irrigation Plan

DWG EDITION ...

- ☐ Preliminary
- ☐ 80% Submittal
- ☐ For Construction

Job No. : 2004058
Store :
Date : 5-11-04
Drawn By : KMD
Checked By : SLM

Sheet

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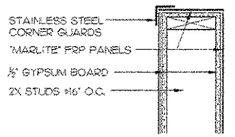
GENERAL NOTES:

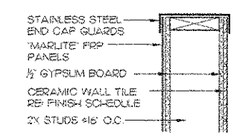
1. DIMENSIONS ARE FROM THE FACE OF STUD TO FACE OF STUD, AND OR FACE OF MASONRY (UNLESS OTHERWISE NOTED).
2. ALL EXTERIOR WALLS TO BE POURED CONCRETE FROM FOOTING WITH WATERPROOFING TO 2'-6" A.F.F. (EL 12.0 FT) AND 2X6 WOOD STUDS ABOVE 2'-6" A.F.F. STUCCO WILL BE APPLIED TO WATERPROOFED MASONRY AND FRAME WALL AS INDICATED IN ELEVATIONS. (1)
3. PROVIDE 5½" HIGH CONCRETE CURBS FOR MILLWORK BY THE GENERAL CONTRACTOR (RE: SHOP DRAWINGS FOR EXACT LOCATIONS & DIMENSIONS).
4. REFER TO INTERIOR ELEVATIONS FOR WALL BLOCKING WITHIN WALLS FOR SHELVING, BRACKETS, GROUNDS, FIXTURES, ETC.
5. FLAG POLE W/ BRUSHED ALUMINUM FINISH & BALL ON TOP, SHALL BE 50' TALL, 10" DIAMETER AT BASE (UNLESS OTHERWISE NOTED IN CIVIL). REFER TO CIVIL FOR EXACT LOCATION. (1)
6. LIMITED COMBUSTIBLE CONSTRUCTION SHALL CONSIST OF 6" METAL STUDS (COORDINATE GAUGE W/ STRUCTURAL) W/ 1/2" GYPSUM BOARD ON EACH SIDE. LIMITED COMBUSTION CONSTRUCTION SHALL BE USED WITHIN 18", BEHIND & UNDER ALL HOODS.
7. PROVIDE 6" KRAFT FACED FIBERGLASS (R-19) BATT INSULATION AT FRAMED EXTERIOR WALLS AND 1-1/2" KRAFT FACED FIBERGLASS BALL BETWEEN FURRING ON MASONRY PORTION OF EXTERIOR WALLS.
8. REFER TO CIVIL DRAWINGS FOR LOCATIONS OF WALKS, BOLLARDS, LANDSCAPING AREAS, ETC.
9. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS AND TYPES OF CORNER GUARDS.
10. PLANTERS SHALL BE PROVIDED BY VENDOR.
11. FLOOD BARRIERS SHALL BE PROVIDED WITH HARDWARE & ANCHORS TO BE INSTALLED AT ALL EXTERIOR DOORS. BARRIERS SHALL PROVIDE A WATERPROOFING SEAL UP TO 2'-6" AFF (EL 12.0) AND DESIGNED TO MEET FEMA REQUIREMENTS. COMPLETE PRODUCT DATA AND INSTALLATION INSTRUCTIONS SHALL BE PROVIDED TO ARCHITECT & OWNER.
12. ALL PLUMBING PENTRATIONS SHALL BE VALVED, SEALED AND DESIGNED TO MEET FEMA REQUIREMENTS. ELECTRICAL PENTRATIONS SHALL BE SEALED AND WATERTIGHT CONDUIT TO MEET FEMA REQT. COMPLETE PRODUCT DATA AND INSTALLATION INSTRUCTIONS SHALL BE PROVIDED TO ARCHITECT & OWNER.

LEGEND:

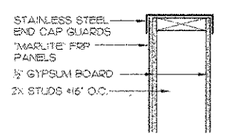
- 2X6 WOOD STUD WALL
- 2X8 WOOD STUD WALL
- 6" METAL STUDS RE: GENERAL NOTES, #6
- 2X4 WOOD STUD WALL
- 8" CMU WALL
- 3" STONE VENEER
- POURED CONCRETE STEM WALL W/ WATERPROOFING UP TO 2'-6" A.F.F. (12.0 FT NGVD)
- REMOVABLE FLOOD BARRIER TO BE INSTALLED AT EA. DOOR FOR FLOOD PROTECTION TO 2'-6" A.F.F.



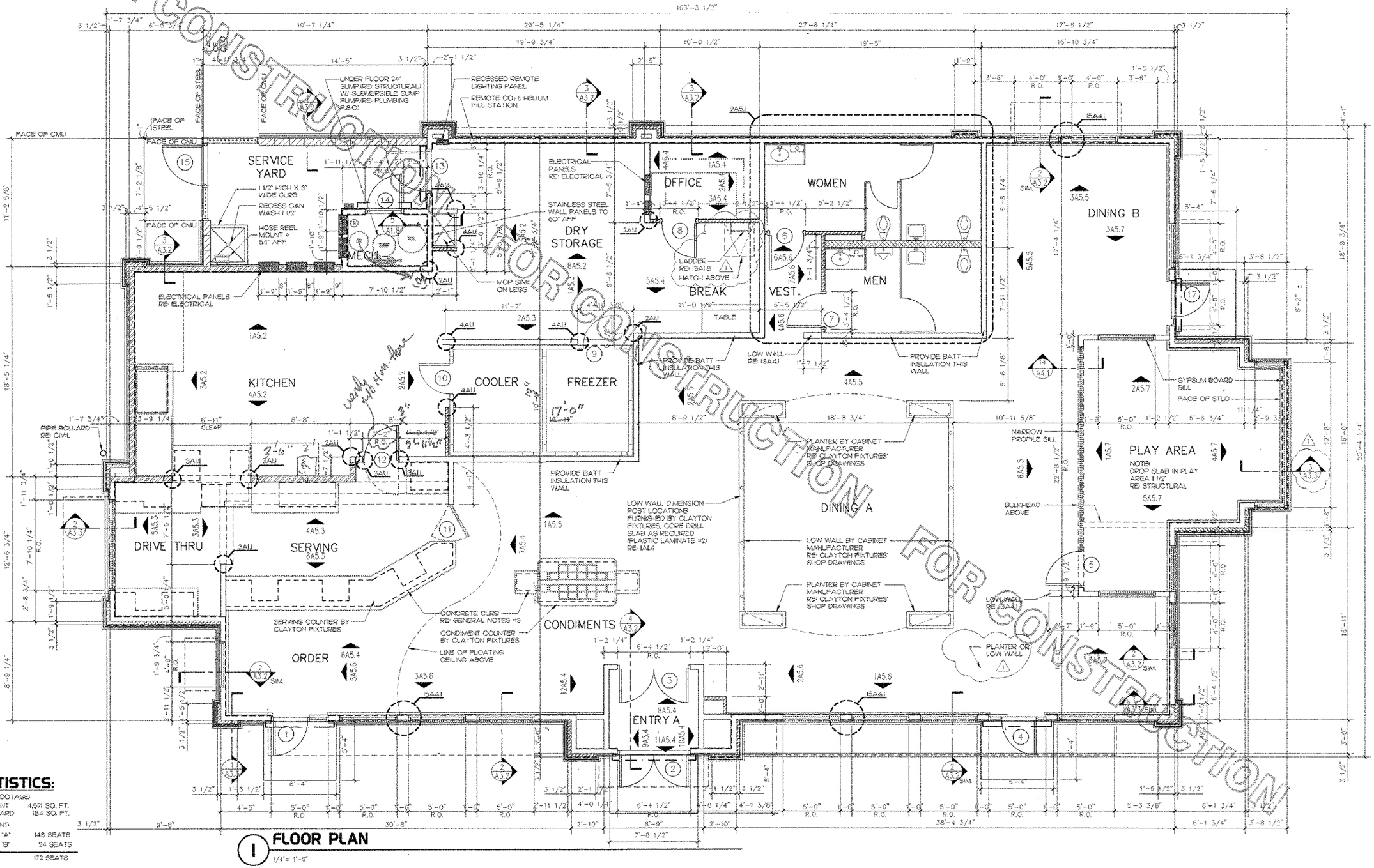
2 CORNER GUARD 3"=1'-0"



3 END CAP WITH TILE 3"=1'-0"



4 END CAP 3"=1'-0"



1 FLOOR PLAN 1/4"= 1'-0"

FOR CONSTRUCTION
FOR CONSTRUCTION
FOR CONSTRUCTION

STATISTICS:

SQUARE FOOTAGE:

RESTAURANT	4,571 SQ. FT.
SERVICE YARD	184 SQ. FT.

SEAT COUNT:

DINING "A"	148 SEATS
DINING "B"	24 SEATS
TOTAL	172 SEATS

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

Revisions:

Mark	Date	By
1	9/17/04	rae
	COORD. REVISIONS	

Mark	Date	By

Mark	Date	By

Seal

AA 0043120
CA 6640
933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5838
FX 407.629.9124
INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FLOOR PLAN

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By	---

Sheet
A-1.1

2 FINISH SCHEDULE LEGEND

FLOOR	RUBBER FLOOR PROTECT-ALL SHEET FLOORING, COLOR0 DARK GREY TEXTURE SIDE UP * SEE NOTE #12	RUBBER BASE #1 (RB #1) PROTECT-ALL 6" HIGH INTEGRAL COVED BASE RB: 4A1.8 * SEE NOTE #12			
	CERAMIC TILE BASE #1 (CTB #1) DAL TILE, TERRA ANTIQUA SERIES, 6X12 WITH COVE BASE AND BULLNOSE COLOR - #TA-01 "ORO" *SEE NOTE #4, #10	CERAMIC TILE BASE #2 (CTB #2) DAL TILE, TERRA ANTIQUA SERIES, 6X12 WITH COVE BASE AND BULLNOSE COLOR - #TA-01 "ORO" *SEE NOTE #4, #10 & #11	CERAMIC TILE #1 (CT #1) DAL TILE, TERRA ANTIQUA SERIES, 12X 12 COLOR - #TA-01 "ORO" *SEE NOTE #4 & #10	DINING ROOM TILE GROUT TEC, SANDED COLOR - #941 RAVEN	
WALLS	CERAMIC TILE #1 DAL TILE, TERRA ANTIQUA SERIES, 6X6 COLOR - #TA-01 "ORO" *SEE NOTE #4, #9 & #10	CERAMIC TILE #2 DAL TILE, DAL VERMILLION, 4 1/4 X 4 1/4 TILE COLOR - VERMILLION RED *SEE NOTE #4	CERAMIC TILE #3 DAL TILE, DAL VERMILLION, 6X6 BULLNOSE TILE COLOR - VERMILLION RED *SEE NOTE #4	WALL TILE GROUT TEC SANDED COLOR - #929 CHARCOAL GRAY	
	PAINT #1 SHERWIN WILLIAMS, #SW6099 "SAND DOLLAR" EGGSHELL ON DOORS, DOOR FRAMES & CEILINGS	PAINT #2 SHERWIN WILLIAMS, #SW6116 "TATAMI TAN" LITEX TEXTURE ON WALLS RB: 6A1.2	PAINT #3 SHERWIN WILLIAMS, #SW6144 "BAREFOOT TAN" EGGSHELL FINISH ON DOOR FRAMES LITEX TEXTURE ON WALLS RB: 6A1.2	PAINT #4 SHERWIN WILLIAMS METALATEX, #B42R38 "SAFETY RED" SEMI-GLOSS	PAINT #5 - METAL SHERWIN WILLIAMS, DARK BRONZE BRONZETONE #504 - #B54T104 - INDUSTRIAL ENAMEL ULTRADEEP BASE (PRIME W/ PREP-RITE BONDING PRIMER #B51W50)
	PAINT #6 SHERWIN WILLIAMS, #SW7013 "IVORY LACE" EGGSHELL FINISH ON DOOR FRAMES RB: 6A1.2	FRP MARLITE P-198 BRIGHT WHITE ×0.90 THICKNESS SEE NOTE #8	WINDOW BLINDS LEVELOR, #365 "MUSHROOM", 1" CONTRACT BLIND *SEE INTERIOR ELEVS.		
	PLASTIC LAMINATE #1 WILSONART, 4738-60 OCHRE ROLETTA	PLASTIC LAMINATE #2 WILSONART, 7039-60 WINDSOR MAHOGANY	PLASTIC LAMINATE #3 WILSONART, 7062 CONGO SPRUCE	PLASTIC LAMINATE #4 NEVAMAR - EARTHSTONE EA-2-HT TOILET PARTITIONS	
CEILINGS	CEILING TILE #1 ARMSTRONG WORLD INDUSTRIES, WHITE W/ WHITE GRID 24" X 24" VINYL ROCK	CEILING TILE #2 ARMSTRONG WORLD INDUSTRIES, WHITE W/ WHITE GRID 24" X 24" CORTEGA #704 ANGLED TEGULAR EDGE W/ INFINITY EDGE TRIM BY CHICAGO METALLIC - PREFINISHED PAINT #3 *SEE NOTE #5	CEILING TILE #3 ARMSTRONG WORLD INDUSTRIES, WHITE W/ WHITE GRID 24" X 24" CORTEGA #704 ANGLED TEGULAR EDGE	PAINT #2 SHERWIN WILLIAMS, #SW6116 "TATAMI TAN" (EGGSHELL FINISH) RB: 6A1.2	PAINT #5 SHERWIN WILLIAMS, #SW7013 "IVORY LACE" (EGGSHELL FINISH) RB: 6A1.2
SOLID SURFACE	SOLID SURFACE #1 1/2" GIBRALTAR QUARRY MELANGE WITH FROSTED WHITE BOWL (PROVIDED BY CLAYTON FIXTURES) - TOILET ROOMS	SOLID SURFACE #2 1/2" GIBRALTAR QUARRY MELANGE (PROVIDED BY CLAYTON FIXTURES)	SOLID SURFACE #3 1/2" GIBRALTAR MIDNIGHT MELANGE (PROVIDED BY CLAYTON FIXTURES)		

3 NOTES

1. THE PAINTING CONTRACTOR SHALL PAINT THE DOOR FRAMES USING A BRUSH COAT FOR THE FIRST COAT AND A ROLLER COAT AS THE FINISH COAT.
2. ~~KITCHEN~~ TILE BASE TO HAVE FULL INSIDE AND OUTSIDE CORNERS - NO FINGER CORNERS ALLOWED.
3. PROVIDE 12" WIDE BAND OF ½" MOISTURE RESISTANT GYPSUM BOARD AT BASE OF WALL IN KITCHEN. RE: INTERIOR ELEVATIONS
   GYPSUM BOARD SHALL BE "DUROCK" BY U.S. GYPSUM OR "DENSE-SHIELD" BY GEORGIA PACIFICANS @ 1-800-433-7293.
4. CERAMIC TILE - NATIONAL ACCOUNT - DAL TILE - CONTACT: KRISTY TAMPA @ (770) 956-1231
5. INFINITY CEILING TRIM - NATIONAL ACCOUNT - CHICAGO METALLIC - CONTACT: RON SCHWEITZER 1-800-323-7164 EXT. 4592
6. CERAMIC TILE OUTSIDE CORNERS AT DINING, PROVIDE TRIM STRIP BY BLANKE, COLOR CARAMEL. CONTACT FOR BLANKE: KATHY PETTY 1-800-787-5055.
7. ~~MITTE TIKES - CONTACT: JULIA WOODWARD @ (404) 237-2960, EMAIL: BROOKPLAY@AOL.COM~~
8. MARLITE - CONTACT: CHERYL COCHRAN @ (404) 496-1234 (PRIMARY)
   BARBARA PETERS @ (800) 241-7533 (SECONDARY)
   MICHAEL HAVRILLA (404) 691-6915 (THIRD)
9. ADJUST TOP OF TILE AS REQUIRED TO INSTALL FULL WALL TILES.
10. WHEN USING TERRA ANTICA TILE, PULL FROM MULTIPLE BOXES TO ENSURE PROPER COLOR VARIATION.
11. CUT BULLNOSE OFF TO APPLY IN RESTROOMS.
12. PROTECT-ALL FLOORING IS AVAILABLE FROM B & H COMMERCIAL SERVICES, INC., RALEIGH, NC. (919)852-5275 AND SHALL BE INSTALLED BY A CERTIFIED INSTALLER. 16 GA. STAINLESS STEEL RINGS SHALL BE USED 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.

4 TERMITE TREATMENT

NATIONAL ACCOUNT TO PRE-TREAT SLABS:
TERMINIX, ACCOUNTANT REPRESENTATIVE: SHEILA VELASQUEZ 1-800-461-5011

PROCEDURE:
1. GENERAL CONTRACTOR SHALL CONTACT ACCOUNT REPRESENTATIVE 48 TO 72 HOURS BEFORE THE SLAB IS TO BE PLACED.
2. PROVIDE THE PROJECT ADDRESS, CFA STORE NUMBER, SQUARE FOOTAGE OF AREA TO BE TREATED AND BILLING ADDRESS OF THE GENERAL CONTRACTOR.
3. 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
4. TERMINIX WILL FORWARD A COPY OF THE TREATMENT CERTIFICATE TO CFA HOME OFFICE AND THE GENERAL CONTRACTOR.

1 ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS FRONT (ENTRY A)	WALLS BACK	WALLS SIDE (DRIVE-THRU)	WALLS SIDE (PLAY AREA)	CEILING	REMARKS RE: INTERIOR ELEVATIONS FOR EXACT FINISH LOCATIONS
ENTRY A	CERAMIC TILE #1	CERAMIC TILE BASE #1	PAINT #2	PAINT #2	PAINT #2	PAINT #2	PAINT #6	
DINING "A"	CERAMIC TILE #1	CERAMIC TILE BASE #1	PAINT #2	PAINT #3	PAINT #2	PAINT #2	CEILING TILE #3	PROVIDE PAINT #3 ON WALLS OF ENTRY "A" AS SHOWN
DINING "B"	CERAMIC TILE #1	CERAMIC TILE BASE #1	PAINT #2	PAINT #2	PAINT #3	PAINT #2	CEILING TILE #3	
CONDIMENTS	CERAMIC TILE #1	CERAMIC TILE BASE #1	PAINT #3	PAINT #2	-	PAINT #3	CEILING TILE #2	PROVIDE PAINT #3 ON WALLS OF ENTRY "A" AS SHOWN
ORDER AREA	CERAMIC TILE #1	CERAMIC TILE BASE #1	PAINT #2	-	PAINT #2	-	CEILING TILE #2	
PLAY AREA	PLAYGROUND INSTALLER	CERAMIC TILE BASE #1	PAINT #2	PAINT #2	PAINT #2	PAINT #2	CEILING TILE #3	LITTLE TIKES RE: NOTE #7 THIS SHEET
SERVING	RUBBER FLOOR	RUBBER BASE #1	-	C.T. #1 & #4	C.T. #1 & #4	C.T. #1 & #4	CEILING TILE #1	
DRIVE THRU	RUBBER FLOOR	RUBBER BASE #1	FRP	C.T. #1 & #4	C.T. #1	FRP	CEILING TILE #1	
KITCHEN	RUBBER FLOOR	RUBBER BASE #1	FRP & STAINLESS STEEL	FRP & STAINLESS STEEL	FRP & STAINLESS STEEL	FRP	CEILING TILE #1	RE: NOTE #3 THIS SHEET
DRY STORAGE	RUBBER FLOOR	RUBBER BASE #1	FRP	FRP	FRP & STAINLESS STEEL	FRP	CEILING TILE #1	RE: NOTE #3 THIS SHEET
OFFICE	RUBBER FLOOR	RUBBER BASE #1	FRP	FRP	FRP	FRP	CEILING TILE #1	
BREAK AREA	RUBBER FLOOR	RUBBER BASE #1	FRP	FRP	FRP	-	CEILING TILE #1	
COOLER	RUBBER FLOOR	RUBBER BASE #1	-	-	-	-	-	
FREEZER	-	-	-	-	-	-	-	
VESTIBULE	CERAMIC TILE #1	CERAMIC TILE BASE #1	PAINT #2	PAINT #2	PAINT #2	PAINT #2	CEILING TILE #3	
MEN	CERAMIC TILE #1	CERAMIC TILE BASE #2	C.T. #1 & #3 PAINT #2 ABOVE	C.T. #1 & #3 PAINT #2 ABOVE	C.T. #1 & #3 PAINT #2 ABOVE	C.T. #1 & #3 PAINT #2 ABOVE	PAINT #2	PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS. RE: NOTE #3 FOR PRODUCTS
WOMEN	CERAMIC TILE #1	CERAMIC TILE BASE #2	C.T. #1 & #3 PAINT #2 ABOVE	C.T. #1 & #3 PAINT #2 ABOVE	C.T. #1 & #3 PAINT #2 ABOVE	C.T. #1 & #3 PAINT #2 ABOVE	PAINT #2	PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS. RE: NOTE #3 FOR PRODUCTS
MECHANICAL	SEALED CONCRETE	CERAMIC TILE BASE #1	PAINT #6	PAINT #6	PAINT #6	PAINT #6	PAINT #6	
SERVICE YARD	SEALED CONCRETE	-	STUCCO #1	PAINT #5	PAINT #5	STUCCO #1	VINYL COATED FENCING	
REFUSE ENCLOSURE STORAGE AREA	SEALED CONCRETE	-	PAINT #1	PAINT #1	PAINT #1	PAINT #1	PAINT #1	ALL EXTERIOR WALLS & INTERIOR OF STORAGE - PAINT #1 INTERIOR WALLS OF REFUSE AREA - PAINT #5
REFUSE ENCLOSURE DUMPSTER ENCLOSURE	SEALED CONCRETE	-	PAINT #5	PAINT #5	PAINT #5	PAINT #5	OPEN	

5 GLASS SCHEDULE

MARK	THICKNESS	TYPE	TINT	REMARKS
G1	1/4"	TEMPERED	CLEAR	
G2	1/4"	ANNEALED	ONEWAY GLASS	
G3	1/4"	LAMINATED	CLEAR	
G11	1/2"	TEMPERED	CLEAR	BUTT GLAZE
G21	1"	TEMPERED	CLEAR	INSULATED

6 PAINT SPECIFICATIONS

1.1 THE WORK WILL CONSIST OF ALL PREPARATION, PAINTING, FINISHING WORK, CLEAN UP AND RELATED ITEMS NECESSARY TO COMPLETE WORK DESCRIBED IN THESE SPECIFICATIONS.

1.2 KEEP SURFACES DUST, DIRT AND DEBRIS FREE BEFORE AND DURING PAINTING.

1.3 NORMAL SAFETY AND "WET PAINT" SIGNS, NECESSARY LIGHTING, ETC. SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH OSHA REQUIREMENTS WHILE THE WORK IS IN PROGRESS.

2.1 PRIME BARE DRYWALL WITH SHERWIN-WILLIAMS PREPRITE 200 INTERIOR LATEX PRIMER B28W200, USING BRUSH, ROLLER OR AIRLESS SPRAY APPLICATION @ 200 PSI PRESSURE WITH A .017" TIP. ALLOW 4 HOURS DRYING TIME.

2.2 APPLY LITEX MIL-KIL BASE PAINT = 4765 - COLOR TO MATCH WALL COLOR - AS THE BASE COAT USING BRUSH, ROLLER OR AIRLESS SPRAY APPLICATION @ 200 PSI PRESSURE WITH A .017" TIP. ALLOW 4 HOURS DRYING TIME BEFORE APPLYING A TEXTURE COAT. THIS PRODUCT SHOULD BE APPLIED AT A SPREAD RATE OF 300 SQ FT. PER GALLON.

2.3 APPLY LITEX COMMERCIAL TEXTURE FINE #2015 - COLOR TO MATCH WALL COLOR - IN A SPLATTER PATTERN USING HOPPER GUN OR TEXTURE SPRAY EQUIPMENT. THE SIZE OF THE SPLATTER CAN BE ADJUSTED BY ADJUSTING THE ATOMIZING AIR ON THE SPRAY EQUIPMENT.

2.4 KNOCK DOWN PEAKS OF SPLATTERS BY DRAGGING A TROWEL ACROSS THE SPLATTER SURFACE. AS TROWEL PRESSURE INCREASES THE TEXTURE PROFILE WILL BECOME SHALLOWER. SEE SAMPLES PROVIDED BY CHICK-FIL-A. ALLOW 6 HOURS DRY TIME AFTER KNOCK DOWN AND BEFORE APPLYING TOP COAT.

2.5 TOP COAT THE ENTIRE SYSTEM USING SHERWIN-WILLIAMS EVERCLEAN INTERIOR LATEX SATIN A97 SERIES - COLOR TO MATCH WALL COLOR - USING BRUSH, ROLLER WITH A ½" NAP SOFT WOVEN ROLLER COVER, OR AIRLESS SPRAY APPLICATION @ 200 PSI PRESSURE WITH A .015 - .019 TIP. WHEN BRUSHING OR ROLLING, MAKE SURE FULL COVERAGE IS ACHIEVED IN BOTH THE HIGH AND LOW AREAS OF THE TEXTURE PROFILE.

NOTES - 1. ALL PRODUCTS SPECIFIED ABOVE, WITH THE EXCEPTION OF THE PREPRITE 200 LATEX PRIMER, MUST BE TINTED TO THE COLOR SPECIFIED BEFORE APPLICATION.
CONTACT: STEVE KRUEGER WITH SHERWIN WILLIAMS - 678-261-6854 FOR TINTING PROCEDURES.

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STORE
SERIES
FSU 03--A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FINISH SCHEDULE

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

Sheet
A-1.2

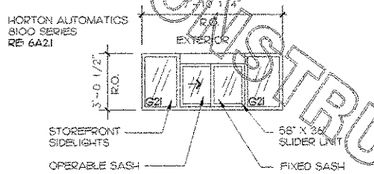
2 HARDWARE SCHEDULE

SET	QTY.	ITEM	MANUFACTURER	MODEL NUMBER
1	1	DOOR PUSH	KAWNEER	CP11 #40
	1	DOOR PULL	KAWNEER	CO-9 (INSTALL ONE ON INSIDE OF DOOR)
	1	DOOR CLOSER	LCN CLOSERS	#4041
	1 SET	O/S PIVOTS	KAWNEER	451 BRONZE
	1	DOOR SWEEP	KAWNEER	#200-795
	NOTES: 1. PROVIDE CYLINDER BLANKS FOR DOORS NUMBER 3 & 5 2. DOUBLE QUANTITIES FOR DOORS 2 & 3			
2	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA3786 X 4½ X 4½ X US26D X NRP
	1	SURFACE PIVOT	MARKAR PRODUCTS	1923F2C X RH
	1	EXIT DEVICE	VON DUPRIN	99NL X ALUM X 48"
	1	CYLINDER	SARGENT	34 X US26D
	1	DOOR PULL	BUILDERS BRASSWORKS	2901 X US32D X TB (NO PLATE)
	1	DOOR CLOSER	LCN CLOSERS	4111N HOUSH X ALUM X TB X RH
	1	ARMOR PLATE	BUILDERS BRASSWORKS	37 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	SILENCERS	BUILDERS BRASSWORKS	WO7
	1	SECURITY WINDOW	A. E. J. MANUFACTURING	3'-0"LFOR 3¾" S" (INCLUDES MTL. FLAP)
3	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA2714 X 4½ X 4½ X US26D
	1	PUSH PLATE	BUILDERS BRASSWORKS	47 X 6" X 16" X US32D
	1	PULL PLATE	BUILDERS BRASSWORKS	47 X 290 X 4" X 16" US32D
	1	DOOR CLOSER	LCN CLOSERS	4111N CUSH X ALUM X TB X(NOT)RH
	3	SILENCERS	BUILDERS BRASSWORKS	WO7
	1	FLOOR STOP	BUILDERS BRASSWORKS	8063NX X US26D
4	CONT.	HINGES	TEMKO	CMF83 HD X ALUM X TBC
	1	EXIT DEVICE	VON DUPRIN	22NL X 25P28 X 48 (NON DOGGING)
	1	DOOR CLOSER	LCN CLOSERS	4111N HOUSH X ALUM X TB X RH
	1	CYLINDER	SARGENT	34 X US26D
	3	SILENCER	ROCKWOOD	608
5	1	FLOOR STOP	BUILDERS BRASSWORKS	FS21 X US26D
6	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA2714 X 4½ X 4½ X US26D
	1	LOCKSET	SARGENT	28-10G05 X LL X US26D
	1	DOOR CLOSER	LCN CLOSERS	4111 EDA X ALUM X TB X LH
	2	ARMOR PLATE	BUILDERS BRASSWORKS	37" X 1/8" X 34" X US32D
	1	THRESHOLD	NATIONAL GUARD	321 X 36" (TILE TO TILE TRANSITION)
	1	KICKDOWN HOLDER	BUILDERS BRASSWORKS	871 X US26D
	3	SILENCERS	BUILDERS BRASSWORKS	WO7
7	1 1/2	HINGES (PAIR)	MCKINNEY MFG.	TA2714 X 4½ X 4½ X US26D X NRP
	1	SURFACE PIVOT	MARKAR PRODUCTS	1923F2C 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"
	3	SILENCERS	BUILDERS BRASSWORKS	WO7
	1	DOOR CLOSER	LCN CLOSERS	4111N HOUSH X ALUM X TB X RH
8	1	DOOR CLOSER	LCN CLOSERS	#4041
	1	TOE GUARD	NATIONAL GUARD	14RKB X 36"
	2	DOOR PULL	KAWNEER *	CO-9 @ 24" AFF, PULL SIDE)
	2	DOOR PUSH	KAWNEER *	CP11 @ 24" AFF, PUSH SIDE)
	2	HINGE GUARD	H-LCN #700 (PUSH SIDE) & H-LCN #750 (PULL SIDE)	
	1 1/2	HINGES (PAIR)	KAWNEER *	450 BRONZE (BUTT)
9	3	HINGES (PAIR)	MCKINNEY MFG.	TA3786 X 4½ X 4½ X US26D X NRP
	1	LOCKSET	SARGENT	
	1	THRESHOLD	NATIONAL GUARD	425 X 72"
	1	DOOR SWEEPS	NATIONAL GUARD	200N X 48"
	1	WEATHERSTRIPPING	NATIONAL GUARD	160 X 1 / 48" - 2 / 84"
10	1	HINGES	MCKINNEY MFG.	
	1	LOCKSET	SARGENT	28-10G04-LL X US26D
	1	HINGE STOPS	BUILDERS BRASSWORKS	-
	1	DEAD BOLT	SARGENT	485 X US26D

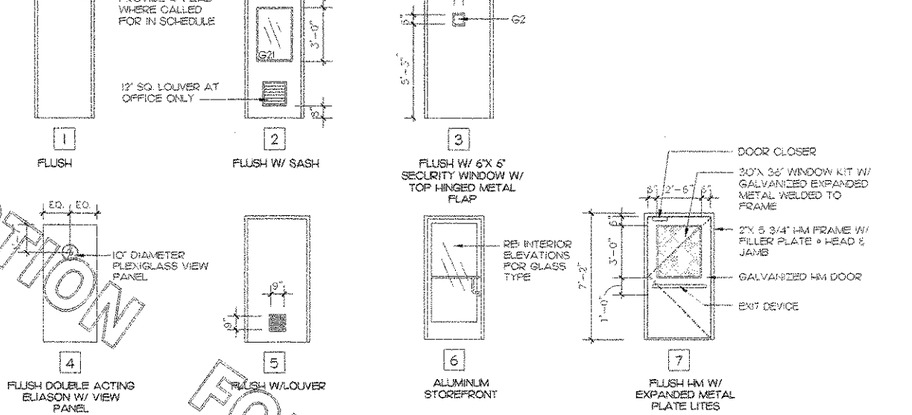
* OR EQUAL BY YKK

1 DOOR SCHEDULE

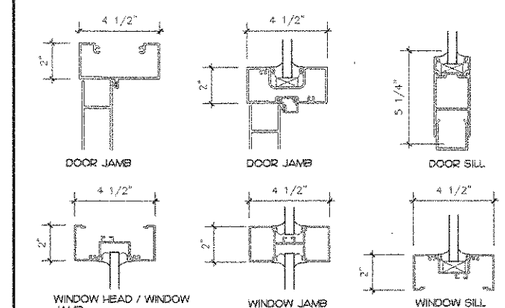
NUMBER	DOOR SIZE	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	HWD	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FRAME SILL	FRAME SIZE	FRAME FINISH	REMARKS
1	3'-0" X 7'-0" X 1-3/4"	6	ALUMINUM W/GLASS	RE: STOREFRONT NOTES (A2.1)	SET #1	ALUM	1A4.1 SIM.	2A4.1 SIM	4A1.4	4 1/2"	RE: STOREFRONT NOTES (A2.1)	ADJUST CLOSER TO OPEN 90 DEG. MAX
2	PR. 3'-0" X 7'-0" X 1-3/4"	6	ALUMINUM W/GLASS	RE: STOREFRONT NOTES (A2.1)	SET #1	ALUM	1A4.1 SIM	2A4.1 SIM	4A1.4	4 1/2"	RE: STOREFRONT NOTES (A2.1)	ADJUST CLOSER TO OPEN 90 DEG. MAX
3	PR. 3'-0" X 7'-0" X 1-3/4"	6	ALUMINUM W/GLASS	RE: STOREFRONT NOTES (A2.1)	SET #1	ALUM	4A4.1	-	-	4 1/2"	RE: STOREFRONT NOTES (A2.1)	NO LOCKING DEVICE ON THESE DOORS
4	3'-0" X 7'-0" X 1-3/4"	6	ALUMINUM W/GLASS	RE: STOREFRONT NOTES (A2.1)	SET #1	ALUM	1A4.1 SIM	2A4.1 SIM	4A1.4	4 1/2"	RE: STOREFRONT NOTES (A2.1)	ADJUST CLOSER TO OPEN 90 DEG. MAX
5	3'-0" X 7'-0" X 1-3/4"	6	ALUMINUM W/GLASS	RE: STOREFRONT NOTES (A2.1)	SET #8	ALUM	4A4.1 SIM	-	-	4 1/2"	RE: STOREFRONT NOTES (A2.1)	UNDERCUT DOOR 2" FOR FOR TOE GUARD NO LOCKING DEVICE ON THIS DOOR
6	3'-0" X 6'-5" X 1-5/8"	1 (W/ 3/4" UNDERCUT)	S.C. WOOD	PLASTIC LAM. #1	SET #3	H.M.	7A1.3	8A1.3	-	4 1/2" THROAT	PAINT #3	ADJUST THICKNESS TO RECEIVE PLASTIC LAMINATE
7	3'-0" X 6'-8" X 1-5/8"	1 (W/ 3/4" UNDERCUT)	S.C. WOOD	PLASTIC LAM. #1	SET #3	H.M.	7A1.3	8A1.3	-	4 1/2" THROAT	PAINT #3	ADJUST THICKNESS TO RECEIVE PLASTIC LAMINATE
8	3'-0" X 6'-8" X 1-3/4"	2	H.M.	PAINT #6	SET #6	H.M.	7A1.3	8A1.3	-	4 1/2" THROAT	PAINT #6	
9	-	-	-	-	SET #5	-	-	-	-	-	-	SUPPLIED BY FREEZER/COOLER MANUFACTURER
10	-	-	-	-	SET #5	-	-	-	-	-	-	SUPPLIED BY FREEZER/COOLER MANUFACTURER
11	±3'-1/4" X ±2'-8 1/2"	-	WOOD	SEE CFX SHOP DRAWINGS	-	-	-	-	-	-	-	BY CABINET MANUFACTURER
12	3'-0" X 6'-8" X 3/4"	4	ELIASON DOOR	BRUSHED STAINLESS STEEL	SET #5	STAINLESS STEEL	3A1.1 SIM.	3A1.1 SIM.	-	7 1/2" THROAT	STAINLESS STEEL	FRAME CONSISTS OF STAINLESS STEEL CHANNEL WRAPPED AROUND JAMB - RE: 3A1.1 SIM.
13	3'-6" X 7'-0" X 1-3/4"	3	H.M.	EXTERIOR PAINT #1 INTERIOR PAINT #6	SET #2	H.M.	2A1.4	3A1.4	4A1.4	6 3/4"	EXTERIOR PAINT #1 INTERIOR PAINT #6	
14	3'-0" X 6'-8" X 1-3/4"	1 SIM.	H.M.	PAINT #1	SET #9	H.M.	2A1.4	3A1.4	4A1.4	6 3/4"	PAINT #1	
15	3'-6" X 7'-0" X 1-3/4"	7	H.M.	PAINT #1	SET #4	H.M.	10A1.3	9A1.3	-	5 3/4"	PAINT #1	
16	NOT USED	-	-	-	-	-	-	-	-	-	-	PROVIDE EXPOSED METAL PLATE LITES. PANIC HARDWARE ON INSIDE AND KEY ACCESS ON OUTSIDE
17	3'-0" X 7'-0" X 1-3/4"	6	ALUMINUM W/GLASS	RE: STOREFRONT NOTES (A2.1)	SET #4	ALUM	1A4.1 SIM	2A4.1 SIM	4A1.4	4 1/2"	RE: STOREFRONT NOTES (A2.1)	ADD ALARM TO PANIC DEVICE
18	24" X 36"	1 SIM.	H.M.	PAINT TO MATCH STUCCO	SET #10	H.M.	3A2.2	-	4A2.2	4 1/2	PAINT #6	HM ATTIC ACCESS DOOR
19	24" X 36"	1 SIM.	H.M.	PAINT TO MATCH STUCCO	SET #10	H.M.	3A2.2	-	4A2.2	4 1/2	PAINT #6	HM ATTIC ACCESS DOOR
20	3'-0" X 7'-0" X 1-3/4"	5	H.M.	PAINT #1	SET #7	H.M.	11A3.4	12A3.4	4A1.4	7 3/4"	PAINT #1	LOCATED IN STORAGE ROOM AT REFUSE ENCLOSURE



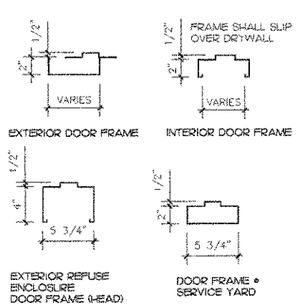
3 DRIVE THRU WINDOW
1/4"=1'-0"



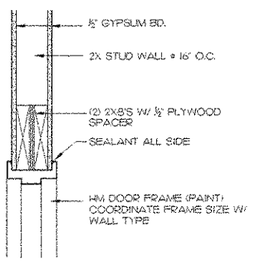
4 DOOR TYPES
1/4"=1'-0"



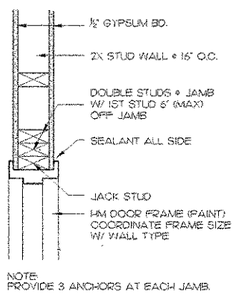
5 STOREFRONT PROFILES
3"=1'-0"



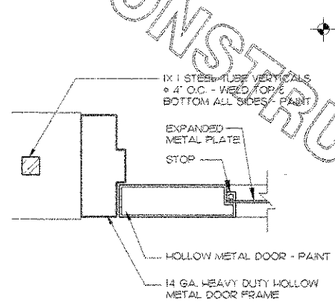
6 H.M. FRAME PROFILES
1 1/2"=1'-0"



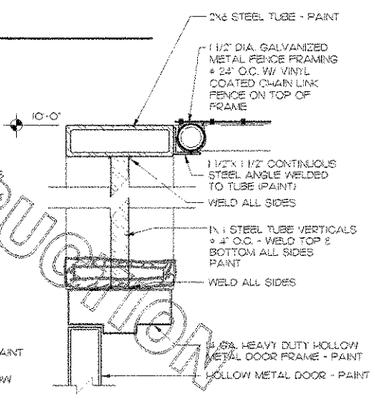
7 TYP. INT. DOOR HEAD
1 1/2"=1'-0"



8 TYP. INT. DOOR JAMB
1 1/2"=1'-0"



9 JAMB
3"=1'-0"



10 HEAD
3"=1'-0"

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Hold hardware door pull

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

Revisions:

Mark	Date	By
1	9/17/04	rea
	COORD. REVISIONS	

Mark	Date	By

Mark	Date	By

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STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
DOOR SCHL
DETAILS

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
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Sheet
A-1.3

LEGEND

PROTECT-ALL SHEET FLOOR

CERAMIC TILE #1 (CT #1)

METAL FLOORING BY FREEZER MANUFACTURER

SERVING AREA TILE (ST)

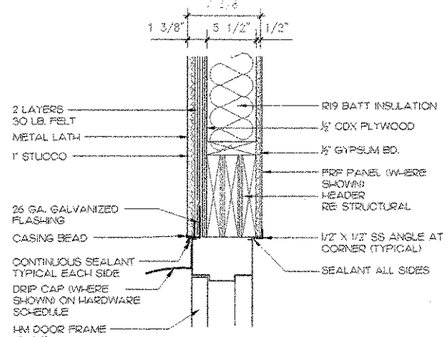
SEALED CONCRETE

FLOOR DRAIN RE: PLUMBING

EQUIPMENT DRAIN RE: PLUMBING

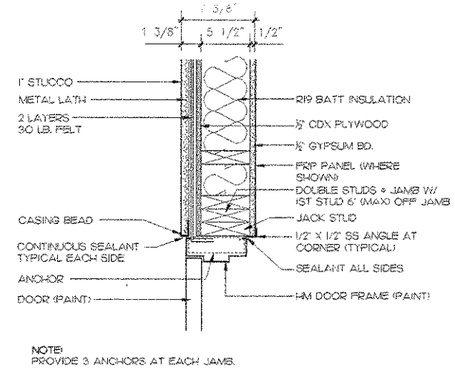
CLEAN OUT RE: PLUMBING

FLOOR CLEAN OUT DRAIN RE: PLUMBING P&O



2 TYPICAL EXTERIOR DOOR HEAD

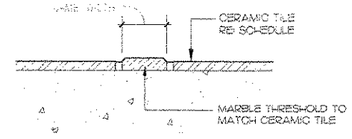
1 1/2"=1'-0"



NOTE:
PROVIDE 3 ANCHORS AT EACH JAMB.

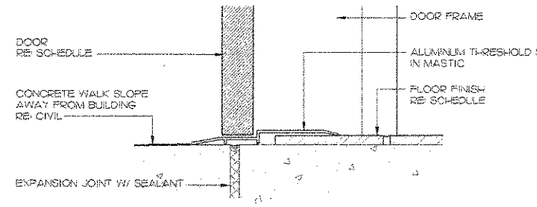
3 TYPICAL EXTERIOR DOOR JAMB

1 1/2"=1'-0"



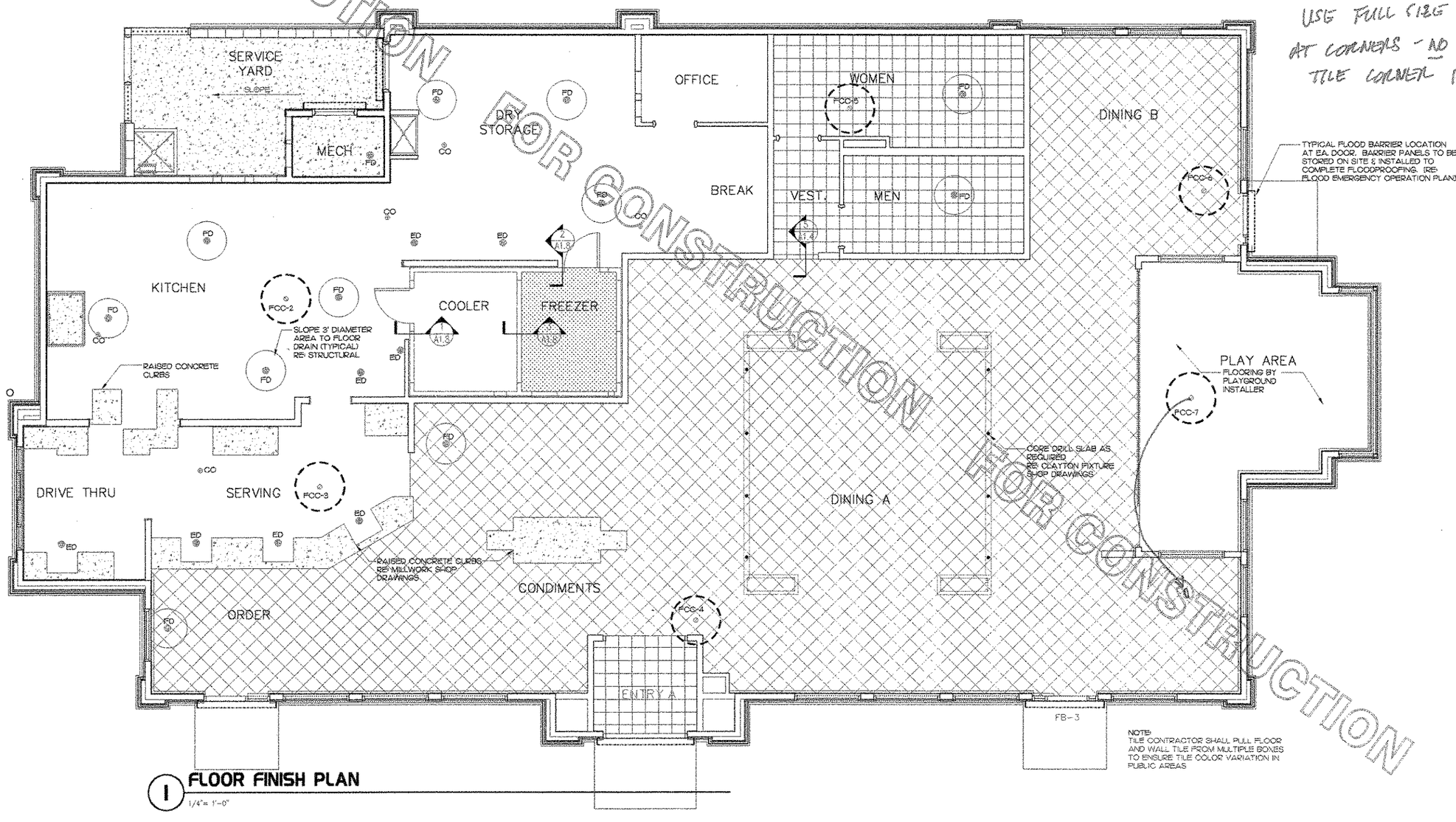
5 TYP. INTERIOR THRESHOLD

3"=1'-0"



4 TYPICAL EXTERIOR DOOR THRESHOLD

3"=1'-0"



NOTE:
TILE CONTRACTOR SHALL PULL FLOOR AND WALL TILE FROM MULTIPLE BOXES TO ENSURE TILE COLOR VARIATION IN PUBLIC AREAS

1 FLOOR FINISH PLAN

1/4"= 1'-0"

USE FULL SIZE BASE AT CORNERS - NO FINGER TILE CORNER PIECES

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

Revisions:

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STORE
SERIES
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DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FLOOR FINISH PLAN

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
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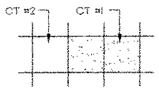
Sheet
A-1.4

LEGEND:

LAY-IN CEILING TILE



GYPSUM BOARD

EXTERIOR AWNING

2'X 4' RECESSED FLUORESCENT LIGHT FIXTURE

2'X 2' RECESSED FLUORESCENT LIGHT FIXTURE

WALL MOUNTED FLOOD LIGHTS

GOOSENECK EXTERIOR ACCENT LIGHT FIXTURE

ADJUSTABLE RECESSED LIGHT FIXTURE

RECESSED CAN LIGHT FIXTURE

PENDANT FIXTURE MOUNTED ⌀ ℄ TABLE

WALL MOUNTED FIXTURE

WALL MOUNTED AWNING FIXTURE 4' STRIP FLUORESCENT

EXIT LIGHT

WALL MOUNTED 1X 4 LIGHT FIXTURE

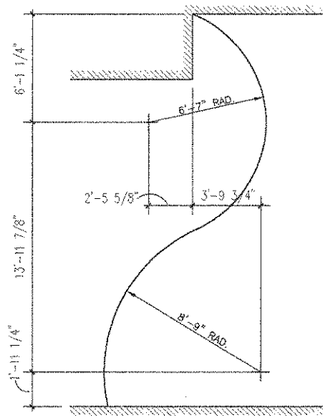
SUPPLY AIR GRILLE

RETURN AIR GRILLE/ EXHAUST

DRAFTSTOPPINGS

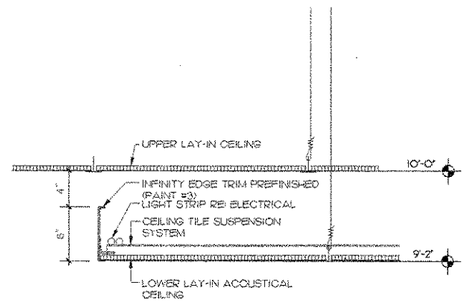
NOTES:
1. REFER TO ELECTRICAL PLANS FOR EXACT LOCATIONS AND FIXTURE SPECIFICATIONS.
2. ADJUST EXACT LOCATION OF LIGHT FIXTURES TO CLEAR CEILING GRID AND HVAC GRILLES.
3. IN GYP BOARD CEILINGS, ALIGN FIXTURES AND
4. ROOF ACCESS BULKHEAD AT 10'-2" A.F.F., 2X4 WD. CONSTR. W/ GYP. BD. TO UNDERSIDE OF ROOF HATCH

FOR CONSTRUCTION



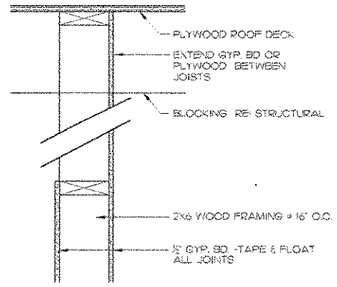
2 FLOATING CEILING DIMENSIONS

1/4"= 1'-0"



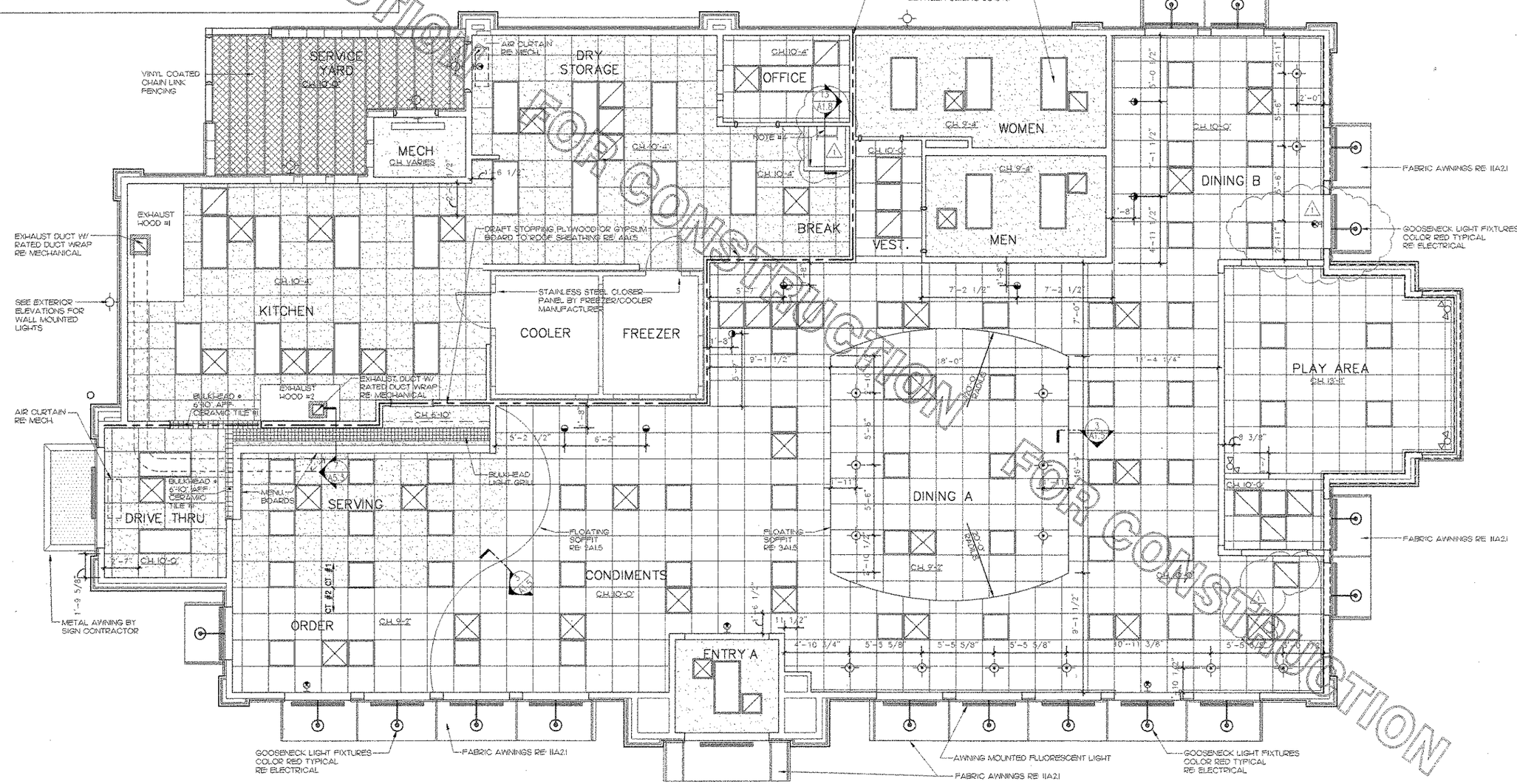
3 REFLECTED CEILING PLAN

1 1/2"= 1'-0"



4 DRAFTSTOPPING DETAIL

1 1/2"= 1'-0"



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1 REFLECTED CEILING PLAN

1/4"= 1'-0"

Chick-fil-A
5200 Buffington Rd.
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Mark	Date	By
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Mark	Date	By

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DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
REFLECTED CEILING PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

Sheet
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ACCESSIBILITY NOTES

1. ALL CROSS SLOPES THAT ARE A PORTION OF THE ACCESSIBLE ROUTE SHALL BE A MAXIMUM OF 2%
2. IF UMBRELLAS OR AWNINGS ARE USED ON THE SITE, THE BOTTOM FLAPS SHALL BE A MINIMUM OF 6'-8" ABOVE THE FINISHED GRADE.
3. 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.
4. 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.
5. FLUSH VALVES ON THE TOILETS SHALL ALWAYS BE LOCATED ON THE WIDE SIDE OF THE TOILET STALL. UTILIZE 5 LBS. OF FORCE OR LESS TO OPERATE.
6. ALL PANIC HARDWARE SHALL BE MOUNTED NO HIGHER THAN 46" A.F.F.
7. ALL FLOOR DRAINS IN KITCHEN SHALL BE LOCATED OUT OF PATH OF TRAVEL SO THAT THE FLOOR DOES NOT HAVE A SLOPE GREATER THAN 2 % ALONG AN ACCESSIBLE ROUTE.
8. ALL THRESHOLDS, FLOOR LEVEL CHANGES, AND FLOOR TRANSITIONS SHALL NOT EXCEED 1/2" IN HEIGHT AND SHALL BE BEVELED WITH A SLOPE NO GREATER THE 1:2.
9. ALL LIGHT SWITCHES, VOLUME CONTROLS, AND THERMOSTATS IN PUBLIC AREAS SHALL BE MOUNTED NO HIGHER THAN 48" A.F.F.
10. FOR CLARIFICATION OF REQUIREMENTS OR QUESTIONS, CALL THE A.D.A. HOTLINE AT (800) 949-4ADA. TRENT GILLEY, OR TERRY LONG WITH CHICK-FIL-A, AT (404) 765-8031.

LEGEND

- CLEAR FLOOR SPACE AT FIXTURES
- MANEUVERING CLEARANCE AT DOORS
- 5'-0" CLEAR AND LEVEL SPACE AT DOORS (EXTERIOR) 2% SLOPE OR LESS SLOPE / CROSS SLOPE.
- 36" MINIMUM CLEAR ACCESSIBLE ROUTE
- 30"X48" WHEEL CHAIR SPACE
- 5'-0" TURNING RADIUS
- DOOR APPROACH

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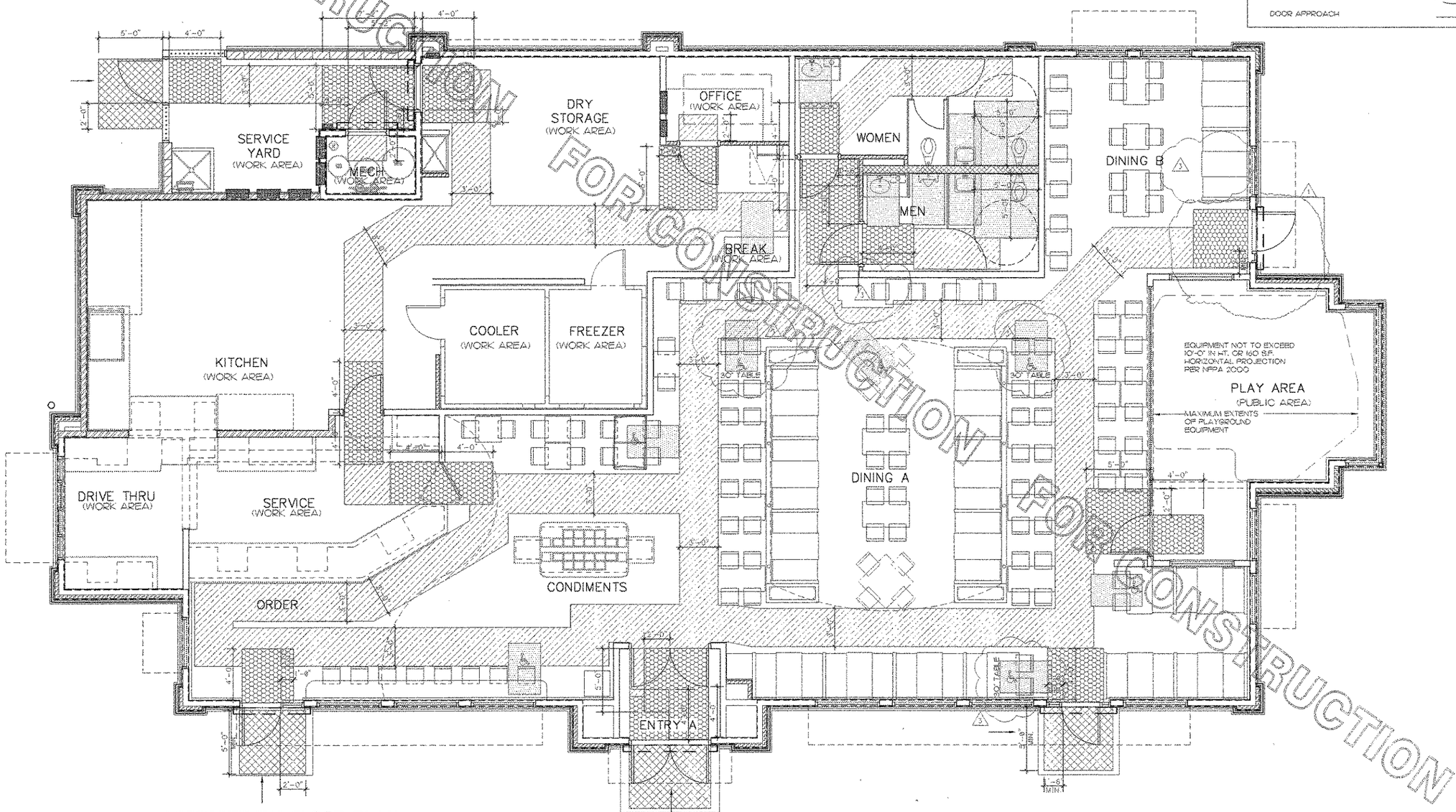

1 ACCESSIBILITY FLOOR PLAN
1/4" = 1'-0"

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

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2	10/15/04	TG	CLIENT COMMENTS
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ST. PETE BEACH, FL

SHEET TITLE
ACCESSIBILITY
FLOOR PLAN

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A-1.6

2. GENERAL NOTES:

1. CRICKETS SHALL BE CONSTRUCTED OF RIGID INSULATION AS REQUIRED TO PROVIDE SLOPE OF 1/8" PER FOOT MIN.
2. PAINT ALL EXPOSED GAS PIPING ON ROOF DARK BRONZE (2 COATS).
3. ALL CONDENSATE LINES SHALL BE INSTALLED TO PROVIDE POSITIVE DRAINAGE. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED TO ELIMINATE SAGGING.
4. 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.

3. MEMBRANE ROOFING SPECIFICATION:

PART 1 GENERAL

1.1 ROOF SYSTEM DESCRIPTION

A. ROOF SYSTEM SHALL CONSIST OF A SINGLE PLY APP MODIFIED BITUMEN ROOF SYSTEM.
   1. INSULATION POLYISOCYANURATE INSULATION MECHANICALLY FASTENED.
   2. BASE SHEET: UL TYPE G2 BASE SHEET (GLASS FIBER REINFORCED MECHANICALLY FASTENED.
   3. MEMBRANE: HEAT WELDED APP MODIFIED CAP MEMBRANE WITH GRANULE SURFACING.

1.2 QUALITY ASSURANCE

A. GENERAL CONTRACTOR
   1. GENERAL CONTRACTOR SHALL CONTACT U.S. INTEC, INC. NATIONAL ACCOUNTS DEPT., FOR A LIST OF APPROVED NATIONAL ACCOUNT CONTRACTORS TO BID PROJECT AT 1-800-231-4631 EXT. 539. ANY ROOFING CONTRACTORS NOT APPROVED THROUGH THIS DEPARTMENT WILL BE REJECTED.

B. CONTRACTOR
   1. PROVIDE MANUFACTURER'S WRITTEN PROOF OF NATIONAL ACCOUNT STATUS.

1.3 WARRANTY

A. GENERAL CONTRACTOR TO PROVIDE A NON-PRORATED 12 YEAR NDL U.S. INTEC WARRANTY COVERING MATERIAL AND WORKMANSHIP.
B. ROOFING CONTRACTOR TO PRESENT LETTER OF CERTIFICATION FROM U.S. INTEC TO GENERAL CONTRACTOR WITH BID DOCUMENTS.
C. ROOFING CONTRACTOR TO NOTIFY U.S. INTEC AT AWARD OF BID, PRIOR TO START OF ROOFING INSTALLATION. NOTIFICATION SHALL INCLUDE COMPLETED 12 YEAR NDL WARRANTY REQUEST FORMS RECEIVED BY U.S. INTEC TECHNICAL SERVICES 10 DAYS MINIMUM, PRIOR TO ROOF INSTALLATION.
D. ROOFING CONTRACTOR TO PRESENT A COPY OF THE PUNCHLIST FROM U.S. INTEC WARRANTY INSPECTION.
E. U.S. INTEC CONTACT NUMBER (800) 231-4631 EXT. 539

PART 2 PRODUCTS

2.1 ROOFING MEMBRANE SYSTEM

A. APPROVED MANUFACTURER: U.S. INTEC, INC., -NO SUBSTITUTIONS.
B. SYSTEM: SPEC. NO GB-12HRI, PAGE 40 OF U.S. INTEC MODIFIED SPEC. BOOK.
C. INSULATION: USISO POLYISOCYANURATE INSULATION MANUFACTURE BY U.S. INTEC, INC.
   1. LAYERS: ONE (1)
   2. THICKNESS: TWO INCHES (2") (R14.6)
D. BASE SHEET: INTEC/PERMAGLAS ULTRA BASE MANUFACTURED BY U.S. INTEC, INC.
E. MODIFIED BITUMINOUS MEMBRANE: INTEC GBSP-4 (WHITE) APP MODIFIED BITUMEN MEMBRANE MANUFACTURED BY U.S. INTEC, INC.
F. ASPHALT PRIMER: ASTM D 41
G. SEALANTS: SONOLASTIC NP-URETHANE CAULK MANUFACTURED BY SONNEBORN BUILDING PRODUCTS.

2.2 FLASHING SYSTEMS

A. FLASHING MEMBRANE: INTEC GBSP-4

2.3 MECHANICAL FASTENERS

A. FASTENERS FOR WOOD DECKS: DRILL-TEC "COATED POINT (CTP)" FASTENERS, MANUFACTURED BY U.S. INTEC, INC.
B. STRESS PLATES: DRILL-TEC STRESS PLATES, MANUFACTURED BY U.S. INTEC, INC.

2.4 ACCESSORIES

A. VENTS: ADJUSTABLE MVENT: POINT ZERO SIX FOUR (.064) SPUN ALUMINUM VENT WITH SANTORRENE BOOT, PRIMED AND PRE-FLASHING WITH APP MODIFIED BITUMEN MEMBRANE, MANUFACTURED BY MWELD, INC.
B. PITCH PANS: MOURE SYSTEM: STRUCTURAL URETHANE OUTER SHELL, BONDED TO ROOF SURFACE AND FILLED WITH 2" (50MM) THICK URETHANE RUBBER SEALANT. SPECIFIC INSTALLATION INSTRUCTIONS ARE MWELD, INC. (888) 428-9353)
C. DRAINS: SCUPPER: TWENTY-FOUR (24) GAUGE GALVANIZED THROUGH WALL ROOF DRAIN PRIMED AND PRE-FLASHED WITH APP MODIFIED BITUMEN MEMBRANE MANUFACTURED BY MWELD, INC. SEE PLANS FOR SPECIFIED DIMENSIONS.

PART 3 EXECUTION

3.1 INSULATION

A. MECHANICALLY FASTEN ONE (1) LAYER OF USISO INSULATION TO DECK.
   1. FASTEN INSULATION WITH DISC/PLATES AT CORNERS.
   2. ALL FASTENERS SHALL BE A MINIMUM OF THREE (3) INCHES AT ALL CORNERS OR MAXIMUM OF SIX (6") INCHES.
   3. STAGGER END LAPS AND SIDE LAPS TO AVOID LAP ALIGNMENT WITH UNDERLYING PLIES OR SEAMS.

3.2 BASE SHEET

A. MECHANICALLY FASTEN BASE SHEET TO DECK:
   1. FASTEN FIRST ROW OF FASTENERS WITH DISC/PLATES 1-1/2" FROM THE LEADING EDGE OF THE BASE SHEET ON 12" CENTERS.
   2. FASTEN SECOND ROW OF FASTENERS 20" FROM THE LEADING EDGE OF THE BASE SHEET ON 18" CENTERS.
   3. STAGGER END LAPS AND SIDE LAPS ALIGNMENT WITH UNDERLYING ROOF DECK SEAMS.

3.3 MODIFIED BITUMINOUS MEMBRANE.

A. HEAT WELD ONE (1) PLY OF MODIFIED BITUMINOUS MEMBRANE SHINGLE STYLE PERPENDICULAR TO ROOF SLOPE.
B. LAPS: 3" SIDE LAPS AND 6" END LAPS. STAGGER END LAPS 18".
C. STAGGER END LAP AND SIDE LAPS TO AVOID LAP ALIGNMENT WITH UNDERLYING PLIES OR SEAMS.

3.4 FLASHING

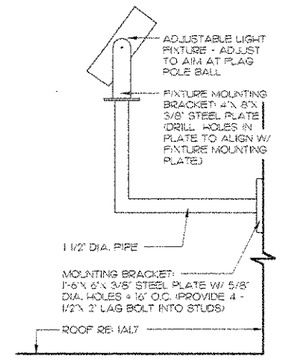
A. REFER TO SECTION 6, PART 10 AND SECTION 8 APP. DETAILS OF U.S. INTEC, INC. MODIFIED BITUMEN SPEC. BOOK FOR FLASHING REQUIREMENTS.
   1. PARAPET WALLS: ALL PARAPET WALLS HIGHER THAN THREE FEET (3') SHALL USE INTEC WALL FLASHING DETAIL 8.06 OF INTEC MODIFIED SPEC. BOOK.

3.5 JOB COMPLETION

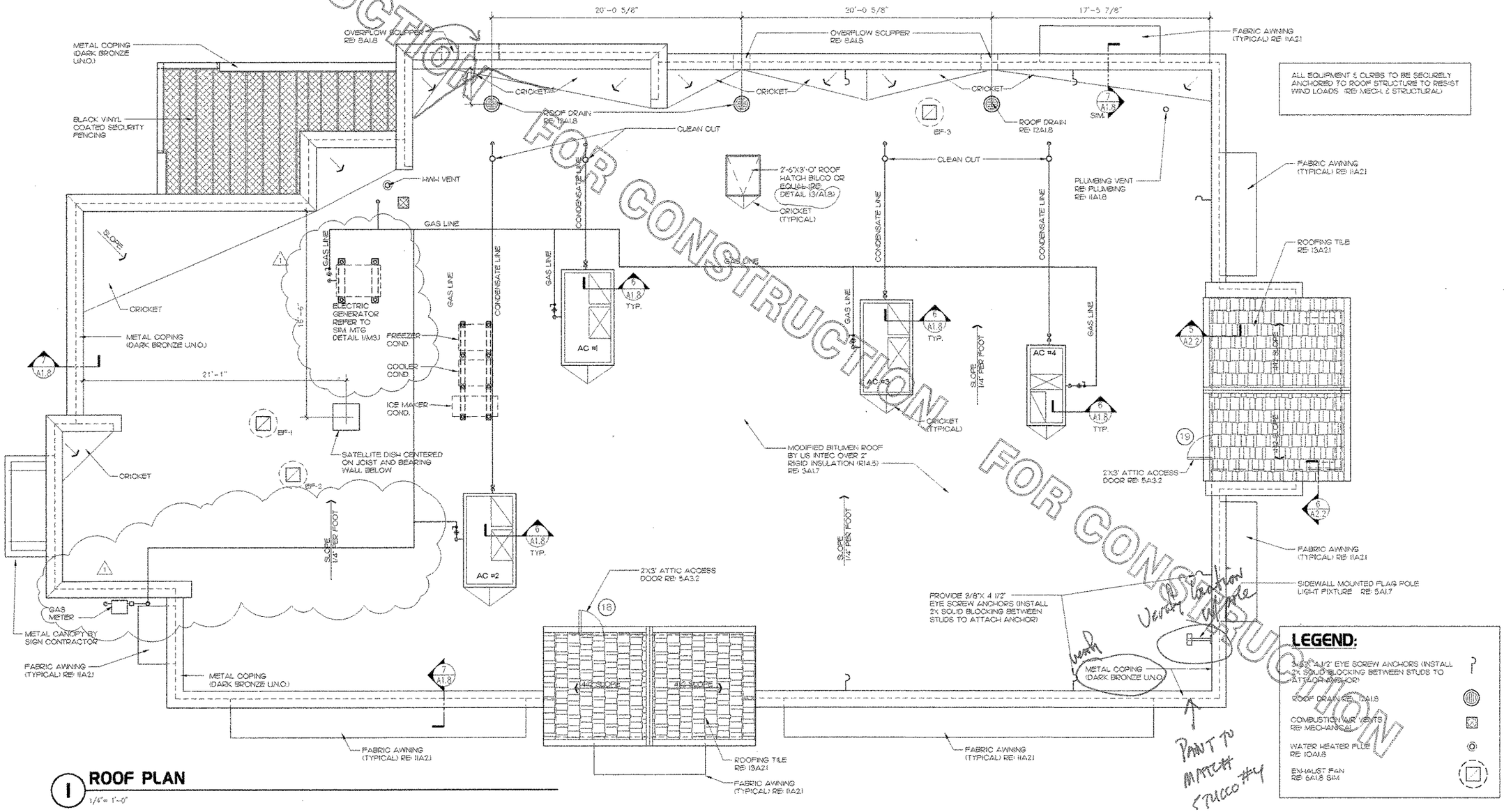
A. INSPECT COMPLETED ROOFING AND CORRECT ALL DEFECTS TO MEET THE SPECIFICATION REQUIREMENTS.
B. MANUFACTURER REPRESENTATIVE SHALL INSPECT THE COMPLETED ROOFING SYSTEM AND NOTIFY THE CONTRACTOR OF ANY DEFECTS IN THE APPLICATION.
C. ROOFING CONTRACTOR SHALL COMPLETE ALL PUNCH LIST ITEMS WITHIN 10 WORKING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

4. EQUIPMENT STANDS

1. ALUMINUM EQUIPMENT STAND SUPPORTS AS MANUFACTURED BY AVCOA CORPORATION OF FORT LAUDERDALE, FLA. OR APPROVED EQUAL. STANDS SHALL PROVIDE 18" MINIMUM CLEARANCE AND SHALL BE SIZED AND INSTALLED ACCORDING TO THE MANUFACTURERS LOAD CHARTS AND PRINTED INSTALLATION DETAILS.
   CONTACT: (800) 266-7212



5 **LIGHT FIXTURE DETAIL**
1"=1'-0"



LEGEND:

- 3/8" X 4 1/2" EYE SCREW ANCHORS (INSTALL 2X SOLID BLOCKING BETWEEN STUDS TO ATTACH ANCHOR)
- ROOF DRAIN RE: 12A1.8
- COMBUSTION AIR VENTS RE: MECHANICAL
- WATER HEATER FLUE RE: 10A1.8
- EXHAUST FAN RE: 5A1.8 SIM

1 **ROOF PLAN**
1/4"= 1'-0"

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SHEET TITLE
ROOF PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

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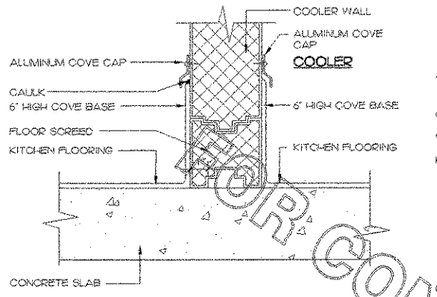
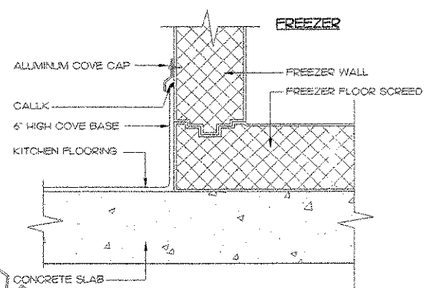


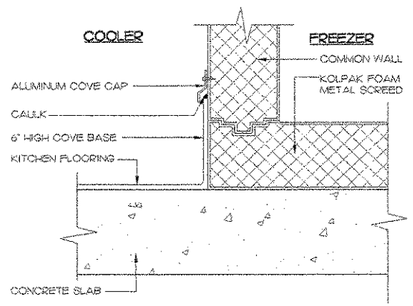
1 DETAIL @ COOLER SCREED

3"=1'-0"



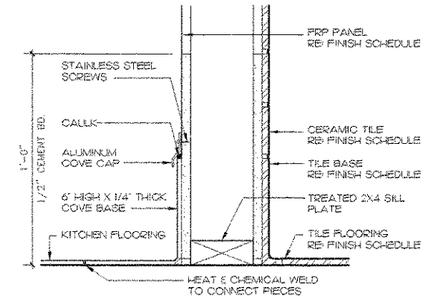
2 DETAIL @ FREEZER SCREED

3"=1'-0"



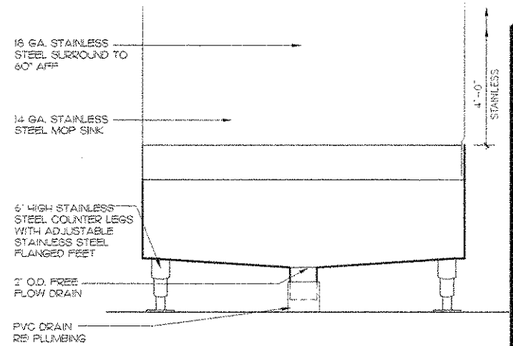
3 DETAIL @ COOLER/FREEZER

3"=1'-0"



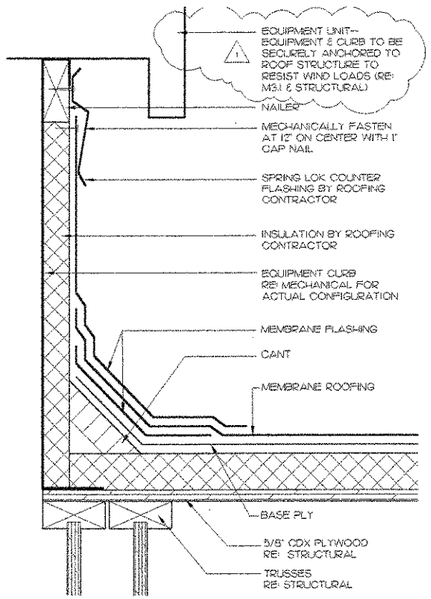
4 TYPICAL WALL BASE

3"=1'-0"



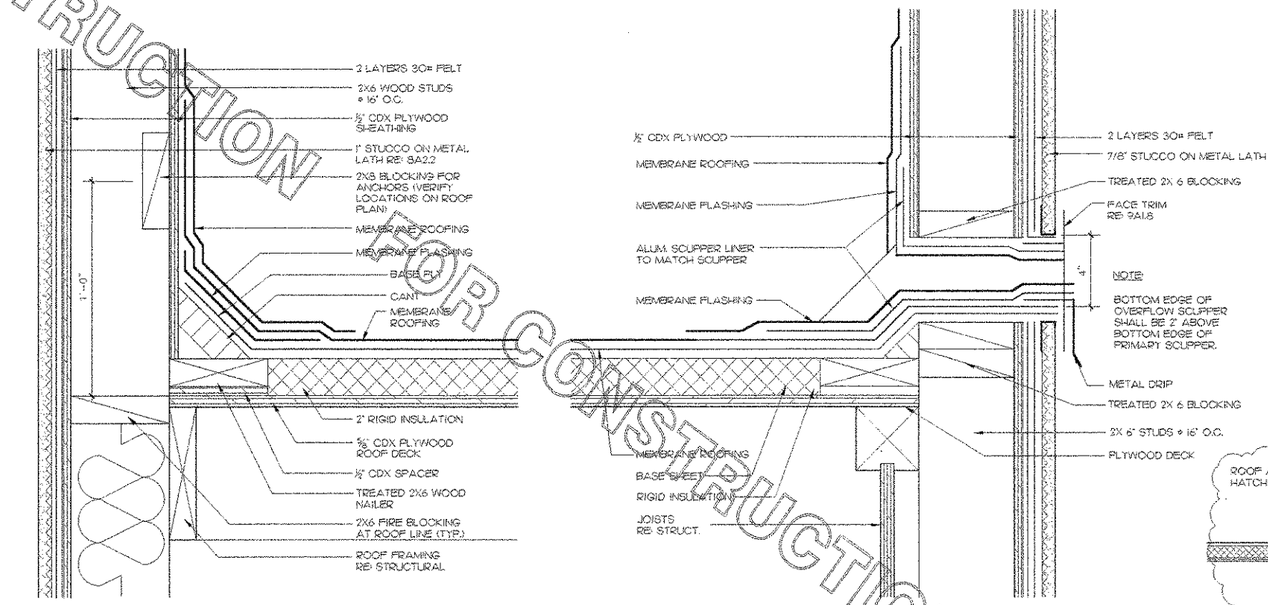
5 MOP SINK SECTION

1 1/2"=1'-0"



6 TYP. ROOF @ EQUIP. CURB

3"=1'-0"

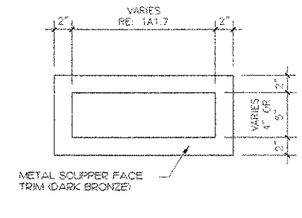


7 TYPICAL ROOF TO WALL SECTION

3"=1'-0"

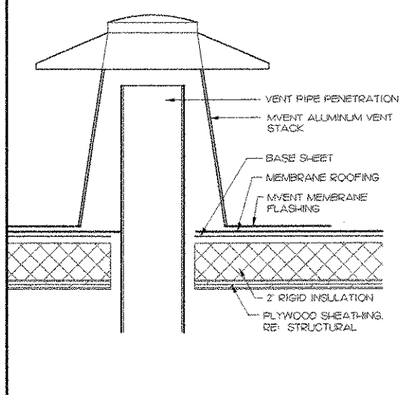
8 SCUPPER

3"=1'-0"



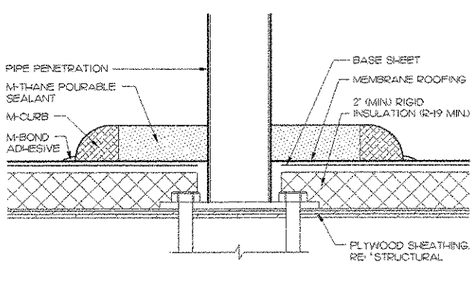
9 SCUPPER TRIM

1 1/2"=1'-0"



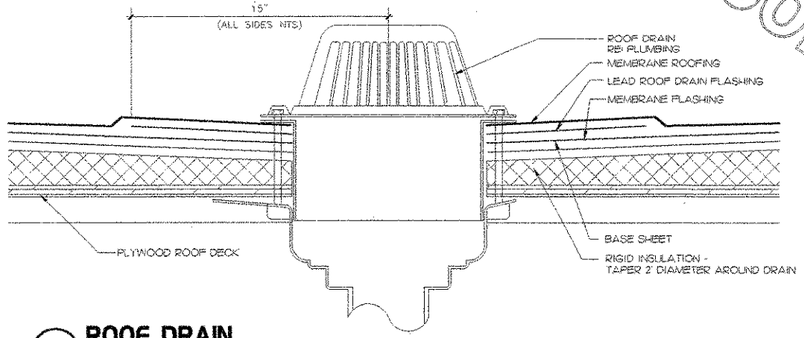
10 VENT DETAIL

3"=1'-0"



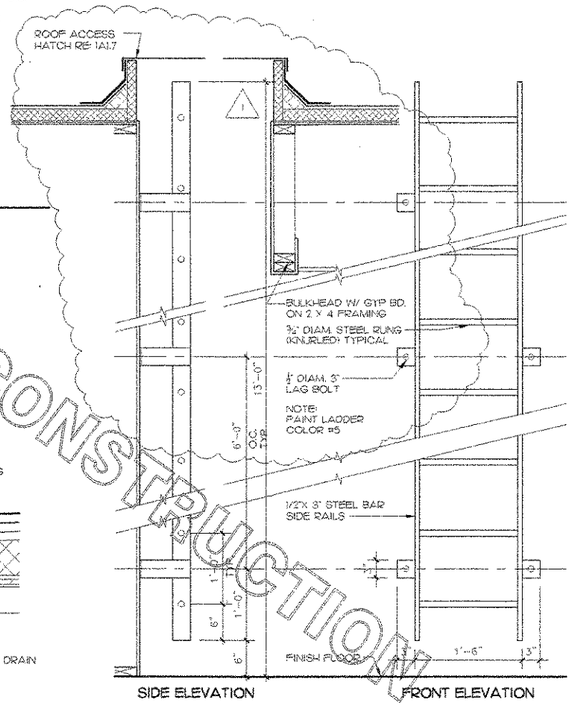
11 ROOF PENETRATION DETAIL

3"=1'-0" (SEE ALSO I/M3.1)



12 ROOF DRAIN

3"=1'-0"



13 LADDER DETAILS

1"=1'-0"

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SHEET TITLE
DETAILS

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Checked By:	---

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5. GENERAL NOTES:

1. REFER TO CIVIL DRAWINGS FOR FINISH GRADES AND LOCATION OF WALKS.
2. PROVIDE BLOCKING FOR ALL EXTERIOR WALL MOUNTED LIGHT FIXTURES.
3. PAINT ALL WOOD AND METALS EXPOSED TO THE EXTERIOR.

6. DRIVE - THRU WINDOW:

LOFTON AUTOMATICS SERIES 8100, FLUSH WINDOW WITH SIDE LIGHTS, WITH RATCHET RELAY SWITCH - DARK BRONZE FINISH (MATTE)

CONTACT: HENRY SALINAS @ (800) 531-3111

7. STOREFRONT NOTES:

TO OBTAIN A LIST OF QUALIFIED GLAZING CONTRACTORS CONTACT:
CFA CONSTRUCTION MANAGER

PRIMARY SUPPLIER
YKK- MICHAEL CLIFTON
7680 THE BLUFFS, STE. 100
AUSTELL, GA 30168
1-678-838-6000
1-678-838-6034 (DIRECT)
EMAIL: MICHAELCLIFTON@YKK-AP.COM

SECONDARY SUPPLIER
KAWNEER TRIFAB 451 OR YKK, DARK BRONZE FINISH, REF: INTERIOR ELEVATIONS FOR GLASS TYPE.

KAWNEER - JEFF HANCE
1040 SIERRA DRIVE, STE. 1500
GREENWOOD, IN 46143
AT 1-877-505-3757
1-317-883--4293 (DIRECT)
EMAIL: JEFFHANCE@KAWNEER.COM

8. STUCCO:

EXTERIOR PORTLAND CEMENT PLASTER SCRATCH & BROWN COAT AND FINISH TEXTURE COAT. PORTLAND CEMENT FINISH COAT TO BE PORTLAND CEMENT-LIME QUARTZPUTZ FINISH, WITH INTEGRAL COLOR TO MATCH PAINT FINISH. SOFFIT VENTS, 1/4" DEEP "V" DRIP SCREED & CASING BEAD W/ WEEP HOLES FOR 1/2" PLYWOOD SHEATHING.

9. STUCCO COLORS:

STUCCO #1
TO MATCH SHERWIN WILLIAMS #SW6099, SAND DOLLAR

STUCCO #2
TO MATCH SHERWIN WILLIAMS #SW6089, GROUNDED

STUCCO #3
TO MATCH SHERWIN WILLIAMS #SW6108, LATTE

STUCCO #4 (PAINTED)
TO MATCH SHERWIN WILLIAMS METALATEX #B42R36, SAFETY RED

10. STONE: (NOT USED)

ELDORADO STONE VENEER
SAWTOOTH "RUSTIC LEDGE"

11. AWNING:

SUNBRELLA FABRIC AWNING WITH FABRIC END PANELS - JOCKEY RED. PAINT FRAME TO MATCH FABRIC. FURNISHED AND INSTALLED BY AWNING MANUFACTURER.
SECURE TO WALL WITH STAINLESS STEEL ANCHORS WITH NEOPRENE WASHERS BETWEEN ANCHORS AND AWNING FRAME.
PROVIDE 3 ANCHORS ON ALL VERTICAL LEGS (TOP, BOTTOM & MIDDLE) AND 2 ANCHORS BETWEEN EACH SET OF LEGS (EQUALLY SPACED) ALONG THE TOP RAIL OF THE FRAME.

12. HARDI SOFFITS:

NON-COMBUSTIBLE FIBER-CEMENT PANELS AS MANUFACTURED BY JAMES HARDI BUILDING PRODUCTS INC. PANELS SHALL BE SECURED WITH STAINLESS STEEL FASTENERS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

13. ROOFING TILES:

CONCRETE ROOF TILES BY MONIER LIFETILE - SAXONY SHAKE STANDARD WEIGHT, COLOR TO BE SHAKE CHARCOAL BROWN BLEND. INSTALL ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

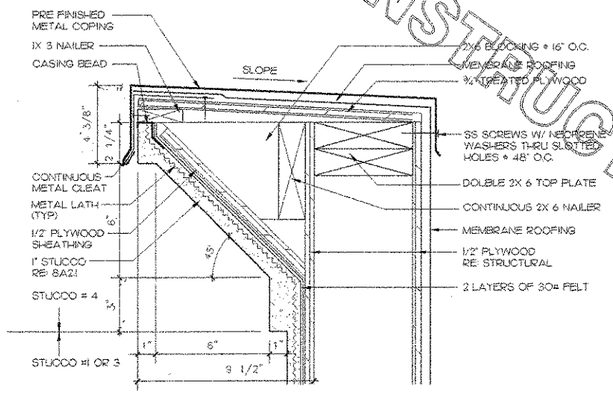
14. WATERPROOFING:

WATERPROOFING MEMBRANE SHALL BE APPLIED UNDER SLAB, CONTINUOUS UP OUTSIDE EDGE OF SLAB, UP CONCRETE STEM WALL AND OVER TOP OF STEM WALL. WATERPROOFING SHALL BE UNITED WATERPROOFING SYSTEMS. SOLID POLYURETHANE SEAMLESS MEMBRANES.
CONTACT: UNITED WATERPROOFING SYSTEMS, 3774 SILVER STAR RD., ORLANDO, FL 32808.
1-866-770-4897--YVONNE SMITH OR RICK GOUWS

15. FLOOD BARRIERS:

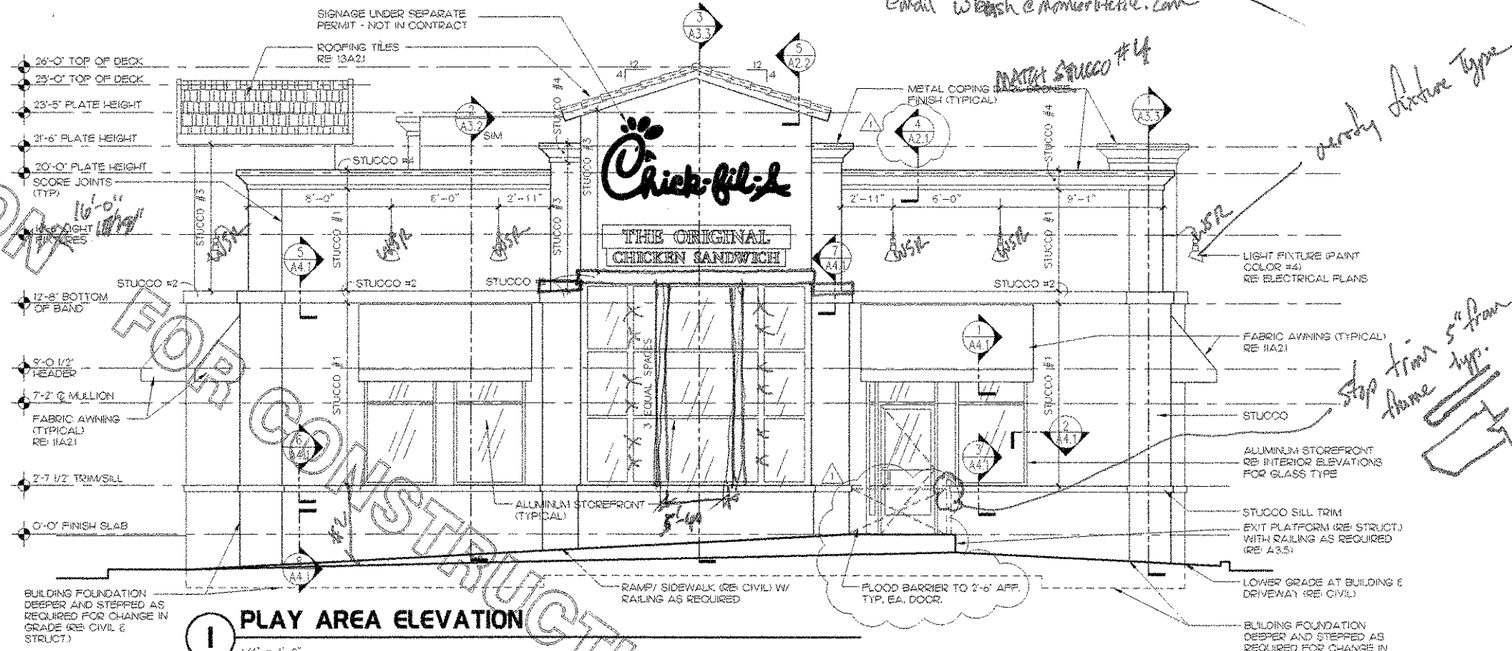
FLOOD BARRIERS SHALL BE INSTALL FOR ALL EXTERIOR DOORS AS DESIGNED BY AND PURCHASED FROM:
UNLIMITED APPLICATIONS, INC., 7077 SW 46TH STREET, MIAMI, FL. 33155, (305) 663-9335. CONTACT GUT HAMILTON.

FOR CONSTRUCTION



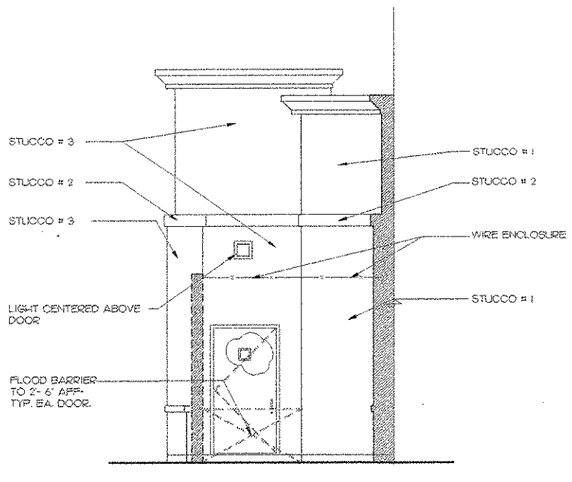
4 PARAPET DETAIL

3" = 1'-0"



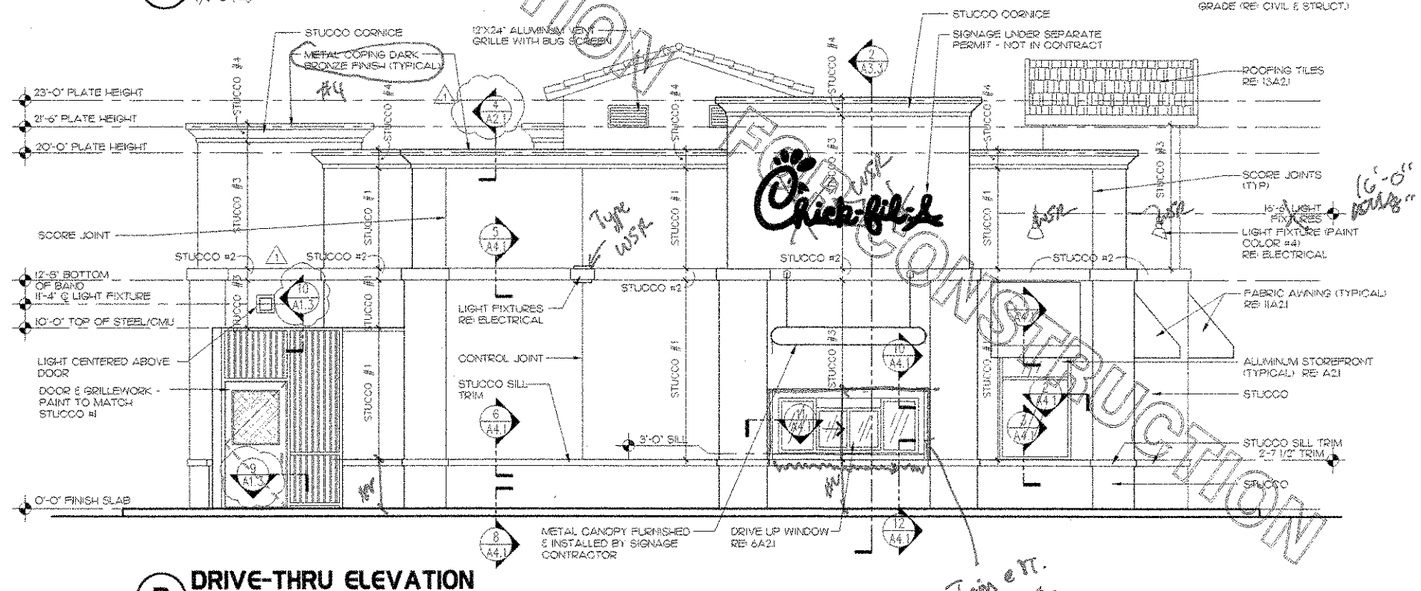
1 PLAY AREA ELEVATION

1/4" = 1'-0"



3 REAR DOOR INSIDE SERV. YARD ELEVATION

1/4" = 1'-0"



2 DRIVE-THRU ELEVATION

1/4" = 1'-0"

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30349-2998

Revisions:

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AA 0043201
CA 8660
933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5008
FX 407.629.9124

INTERPLAN
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INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03--A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
EXTERIOR ELEVATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

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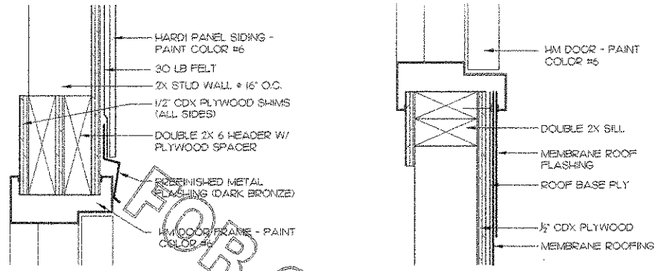
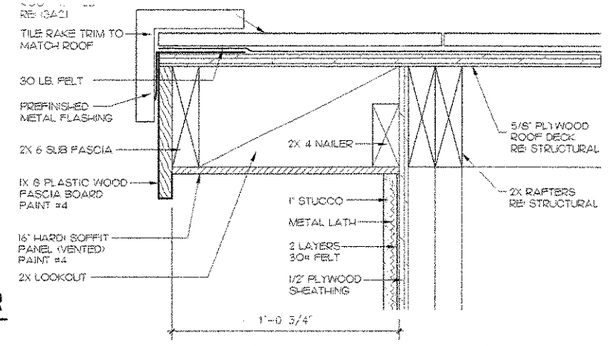


3 HEAD @ ATTIC ACCESS DOOR

3" = 1'-0"

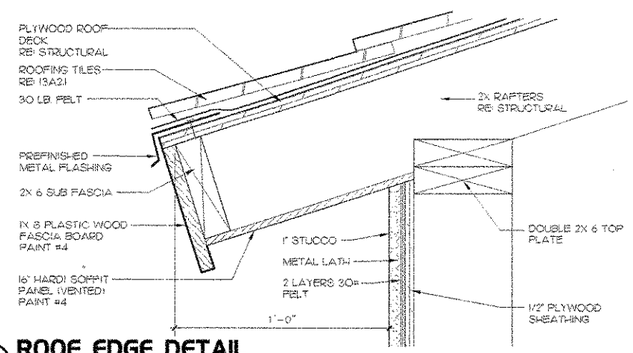
4 SILL @ ATTIC ACCESS DOOR

3" = 1'-0"



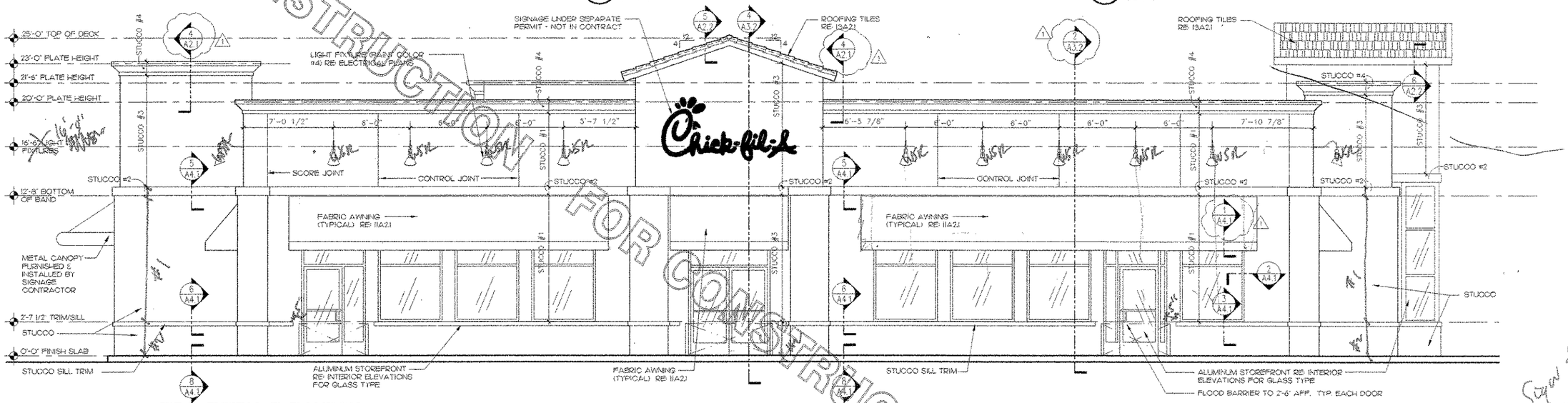
5 GABLE ROOF EDGE DETAIL

3" = 1'-0"



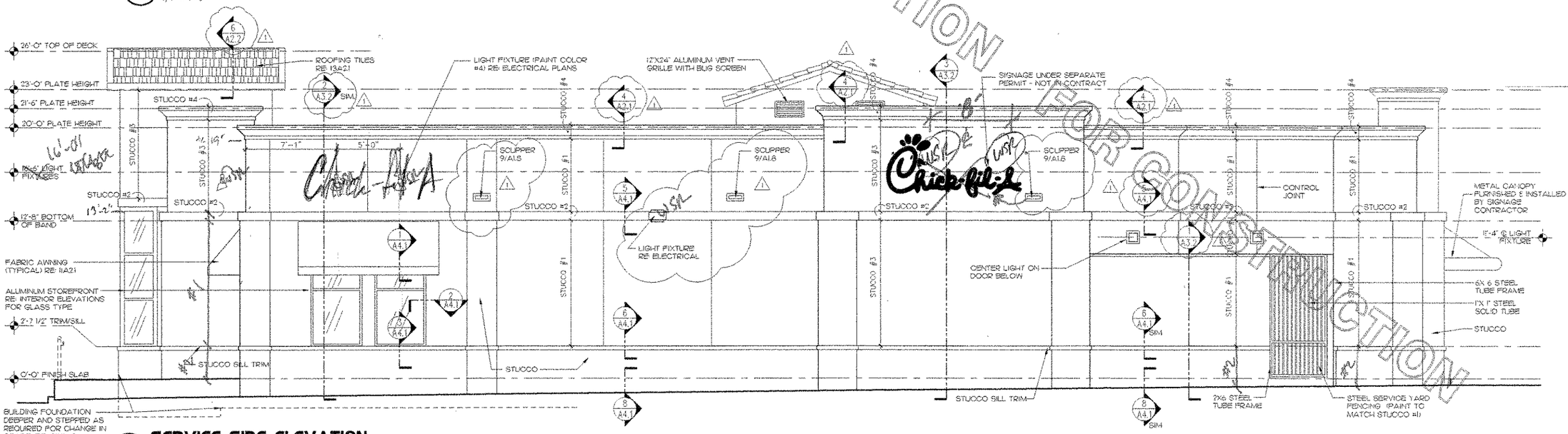
6 ROOF EDGE DETAIL

3" = 1'-0"



1 SIDE ENTRY ELEVATION

1/4" = 1'-0"



2 SERVICE SIDE ELEVATION

1/4" = 1'-0"

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1 FLOOR
1 32810
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Sign & light changes

STORE SERIES
FSU 03--A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
EXTERIOR ELEVATION

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
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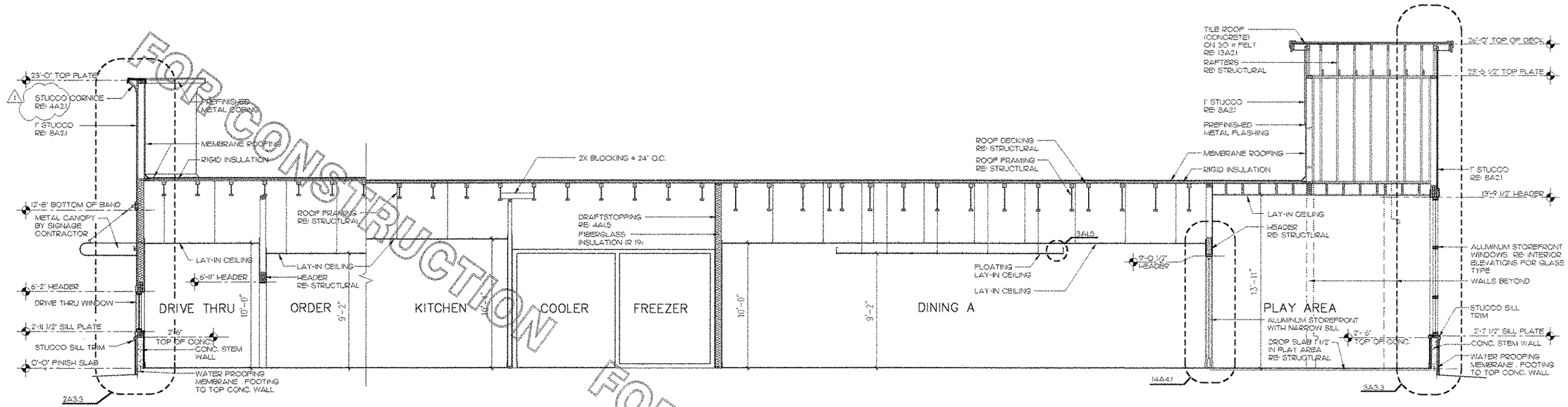

1 LONGITUDAL SECTION

1/4" = 1'-0"

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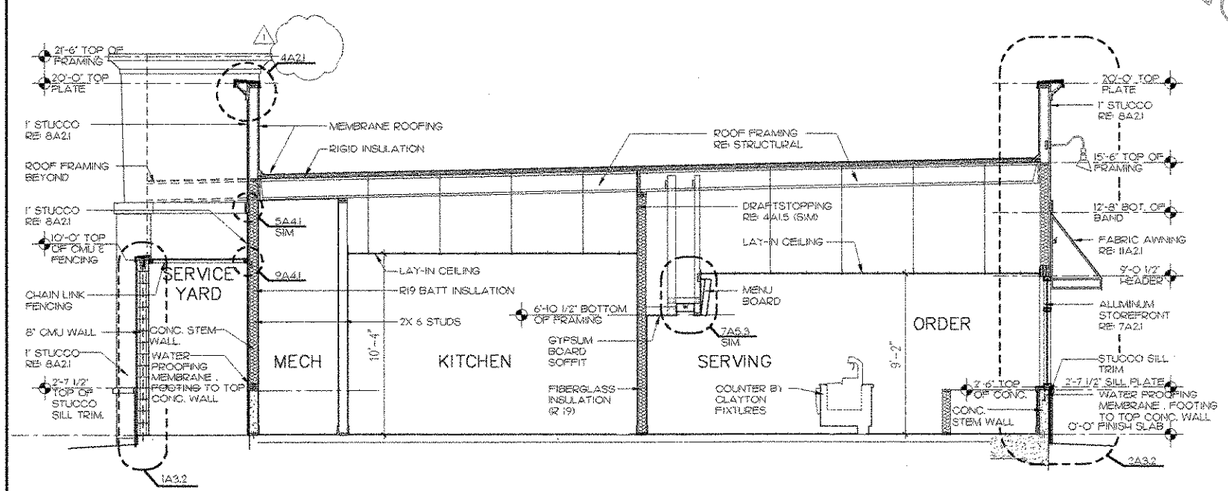
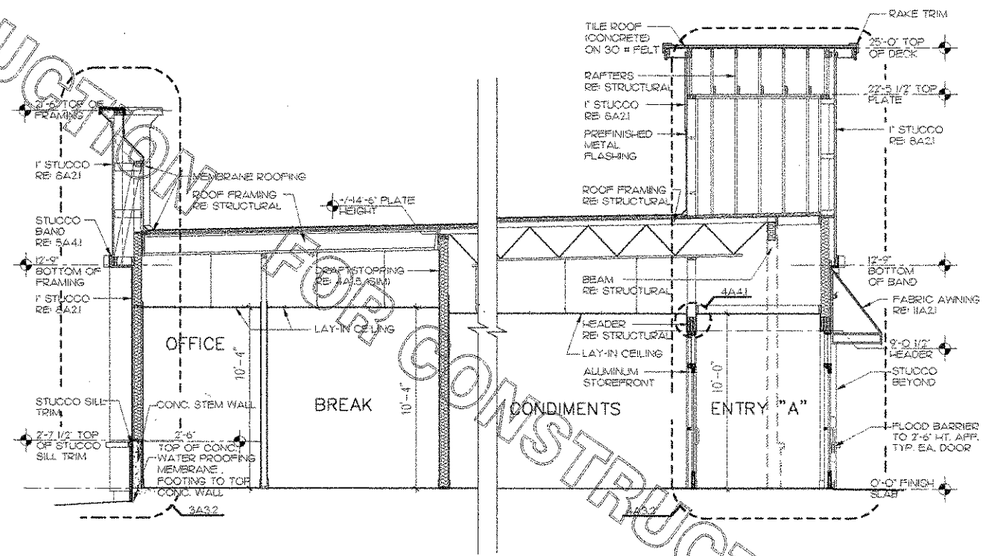


2 TRANSVERSE SECTION

1/4" = 1'-0"



3 TRANSVERSE SECTION

1/4" = 1'-0"

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FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
SECTIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
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Sheet
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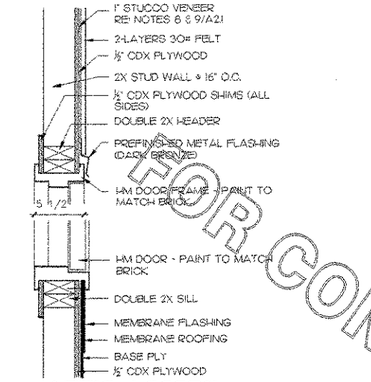
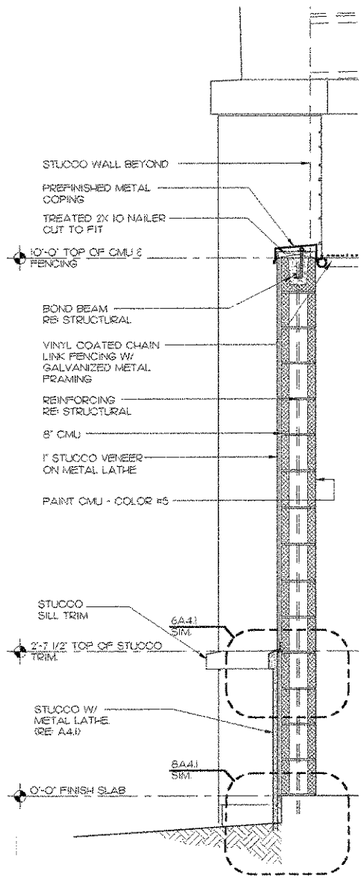


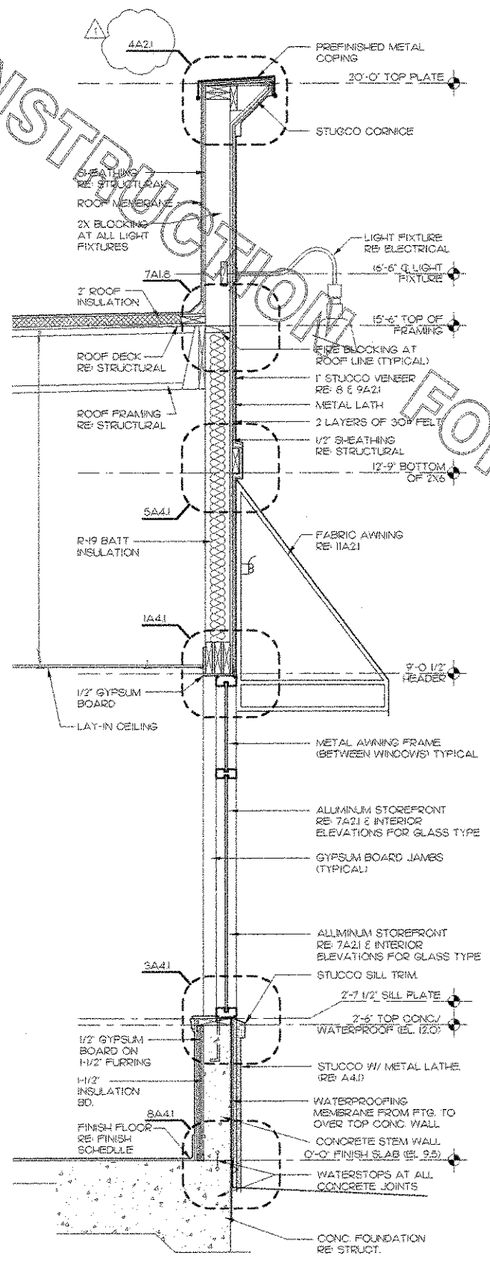
ATTIC ACCESS DOOR HEAD & SILL

5 — 1 1/2"=1'-0"



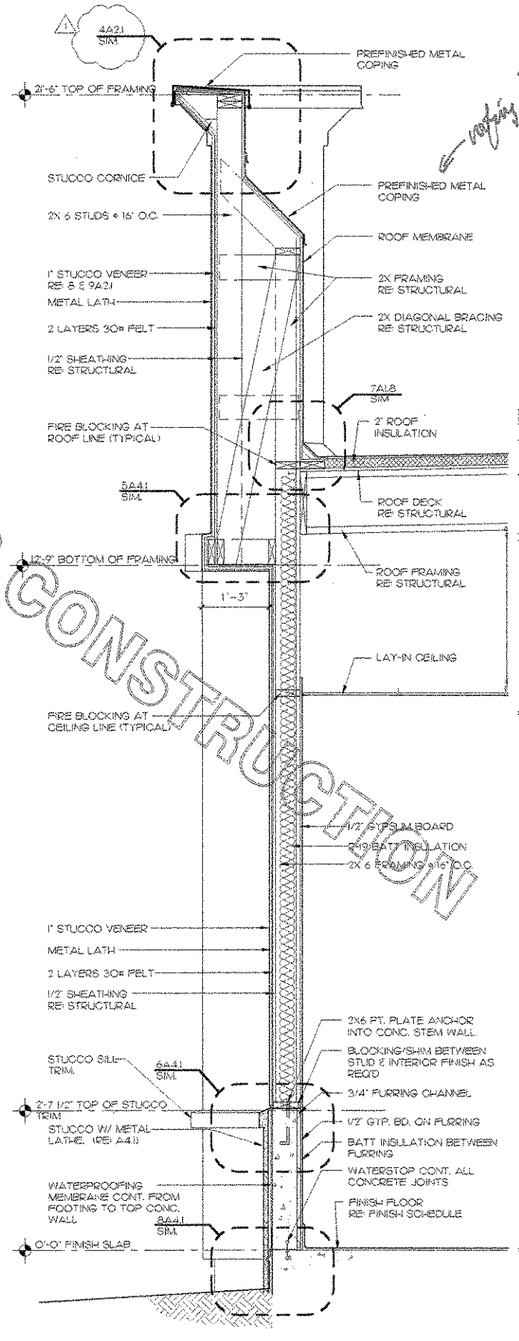
1 WALL SECTION AT CMU WALL

3/4"= 1'-0"



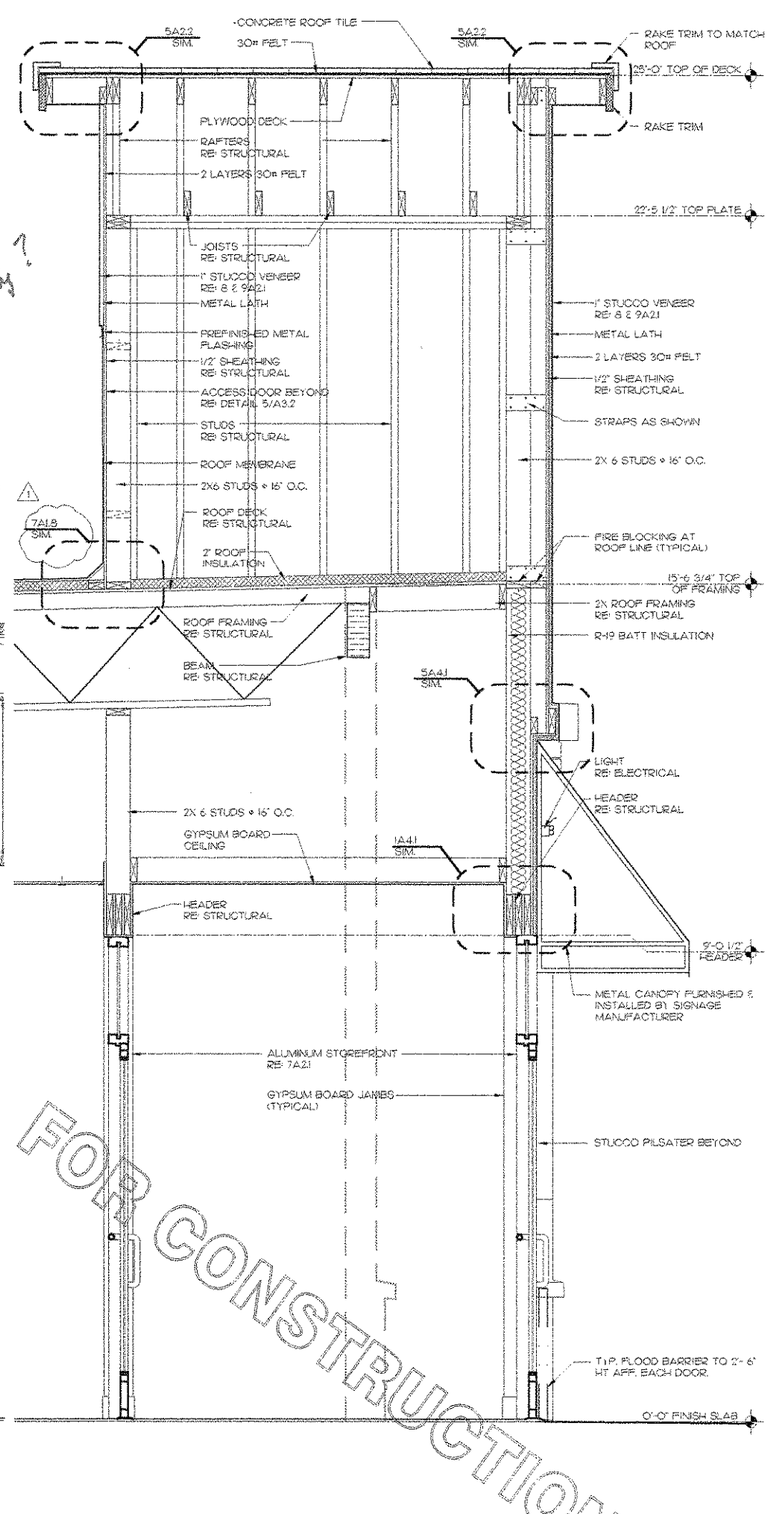
2 TYPICAL WALL SECTION AT WINDOWS

3/4" = 1'-0"



3 WALL SECTION

3/4"= 1'-0"



4 WALL SECTION AT SIDE ENTRY

3/4"= 1'-0"

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FOR CONSTRUCTION
FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Rd.
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Mark	Date	By

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SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
WALL SECTIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By : ---

Sheet
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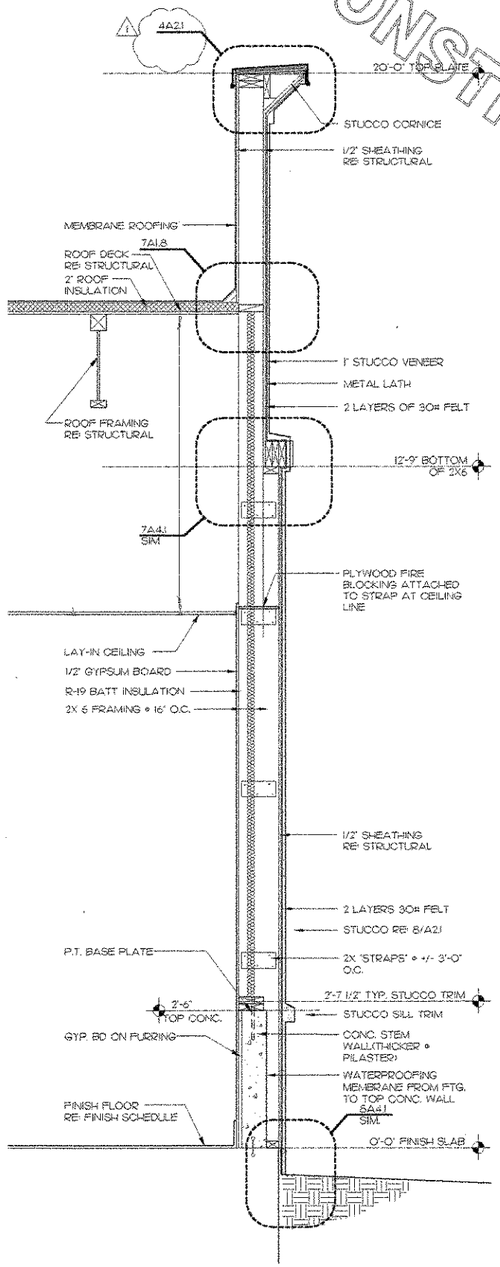
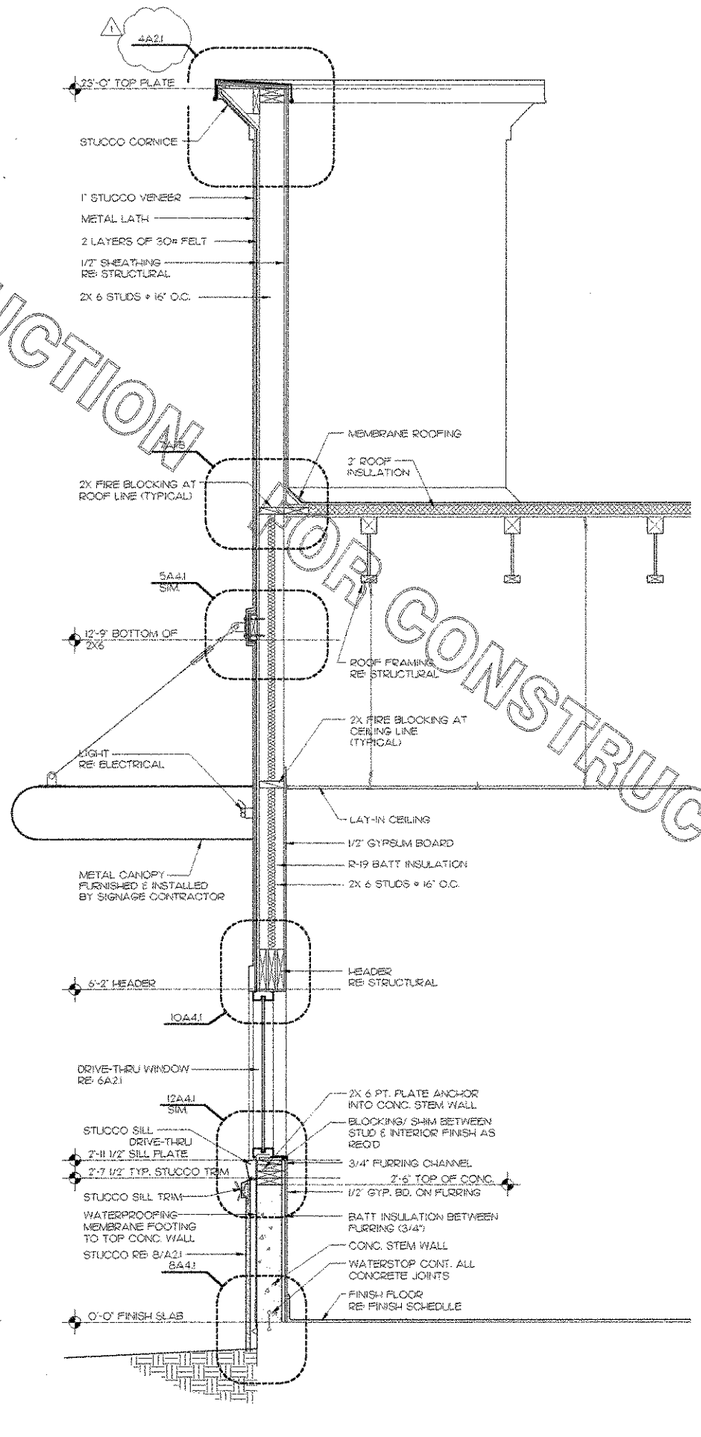


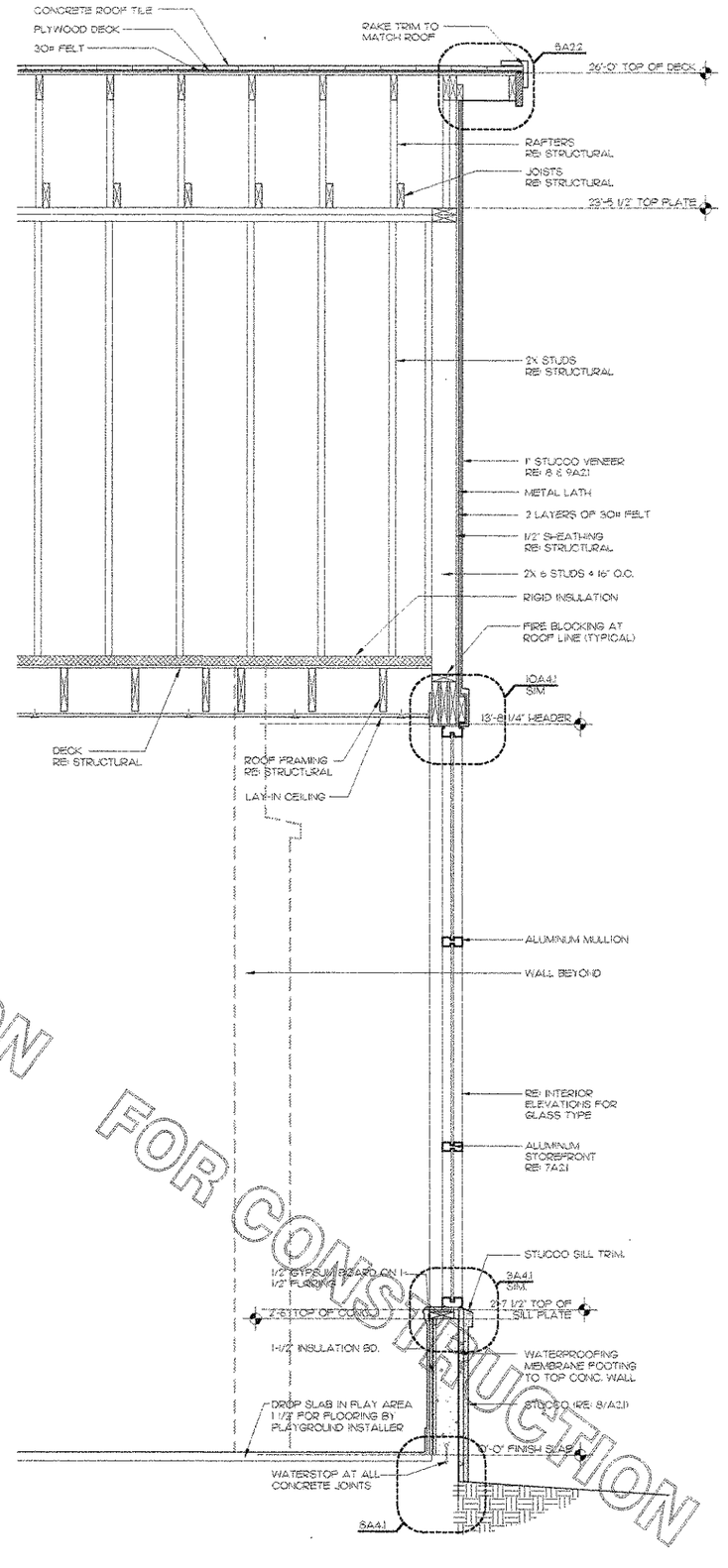
1 WALL SECTION AT CORNER COLUMNS

3/4"= 1'-0"



2 WALL SECTION AT DRIVE THRU TOWER

3/4"= 1'-0"



3 WALL SECTION AT PLAY AREA

3/4"= 1'-0"

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5200 Buffington Rd.
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DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
WALL SECTIONS

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
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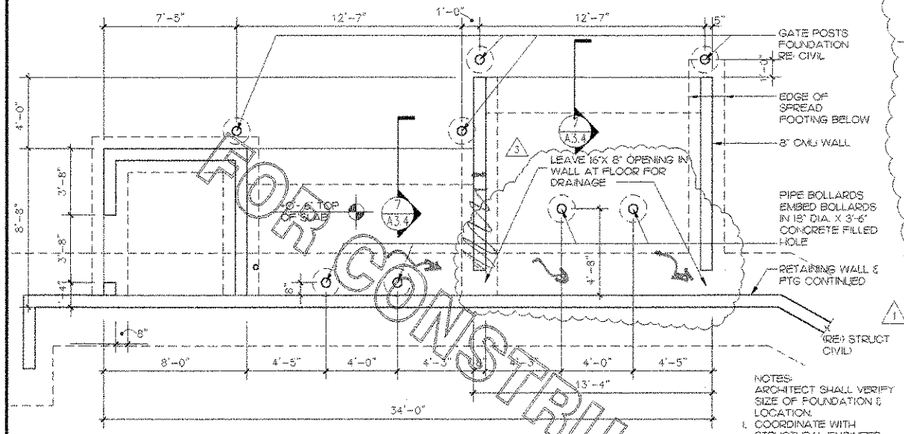
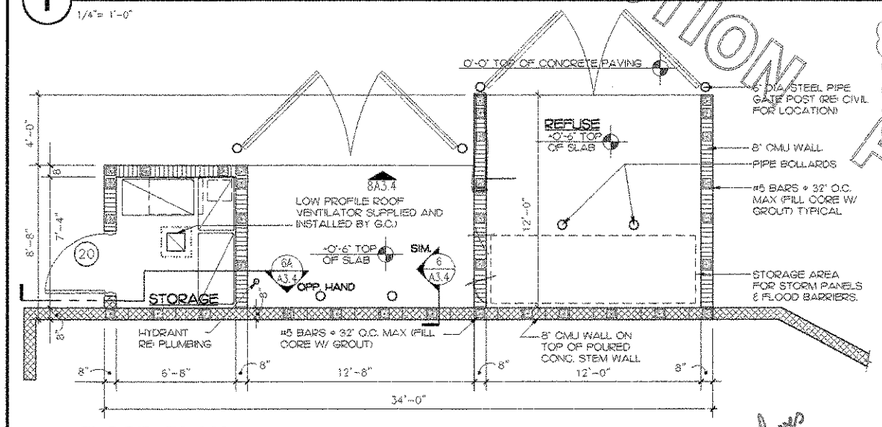


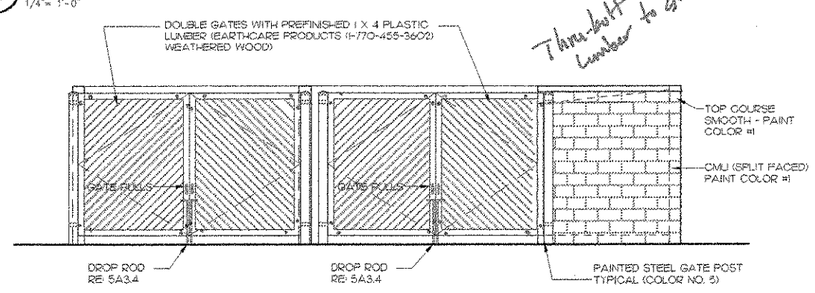
1 FOUNDATION PLAN

1/4"= 1'-0"



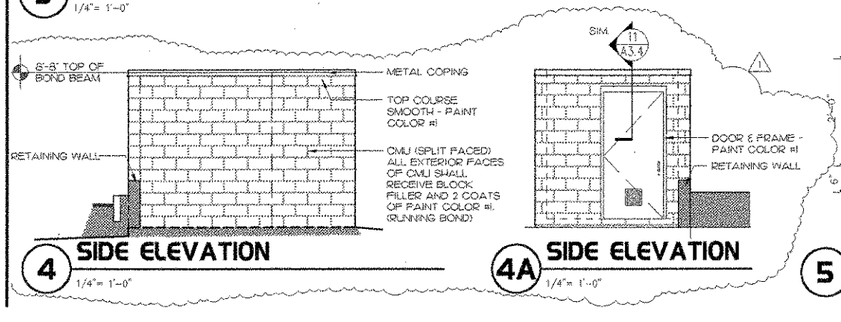
2 FLOOR PLAN

1/4"= 1'-0"



3 FRONT ELEVATION

1/4"= 1'-0"

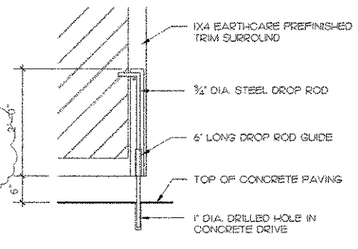


4 SIDE ELEVATION

1/4"= 1'-0"

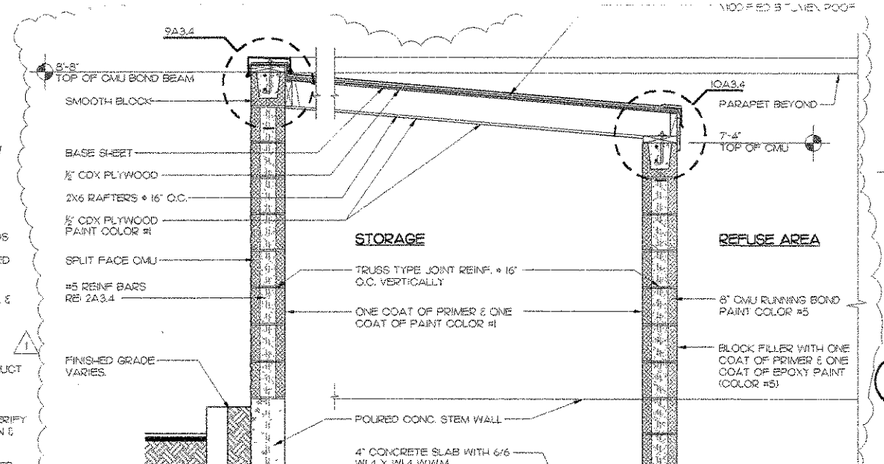
4A SIDE ELEVATION

1/4"= 1'-0"



5 DROP ROD DETAIL

3/4"=1'-0"

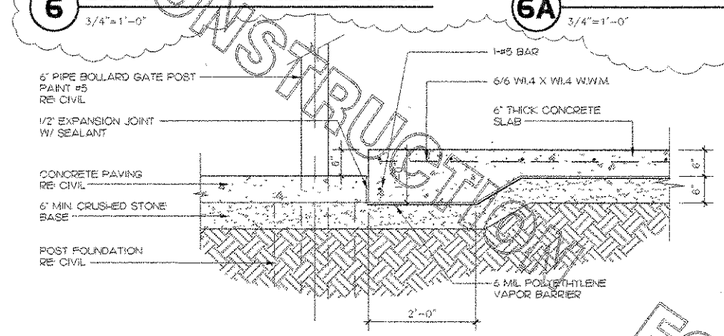


6 SECTION @ RETAINING WALL

3/4"=1'-0"

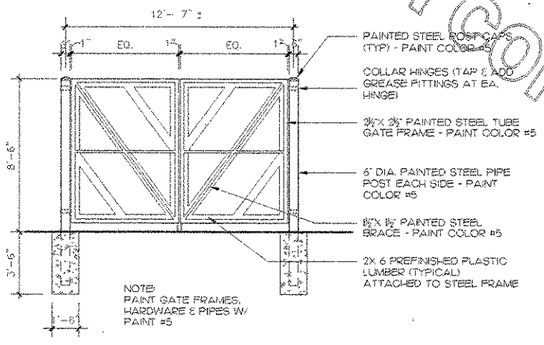
6A INTERIOR WALL SECTION

3/4"=1'-0"



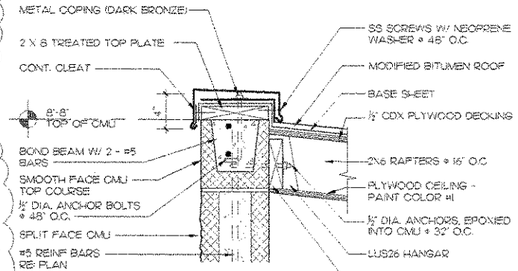
7 REFUSE PAD AT CONCRETE PAVING DETAIL

3/4"=1'-0"



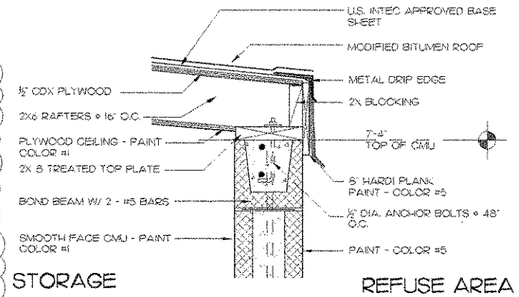
8 TYPICAL DOUBLE GATE ELEVATION

1/4"= 1'-0"



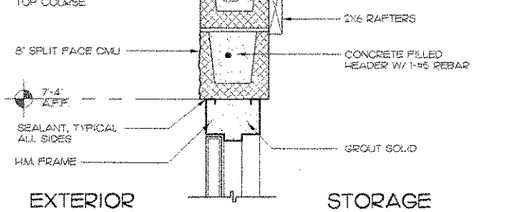
9 ROOF EDGE DETAIL

1 1/2"=1'-0"



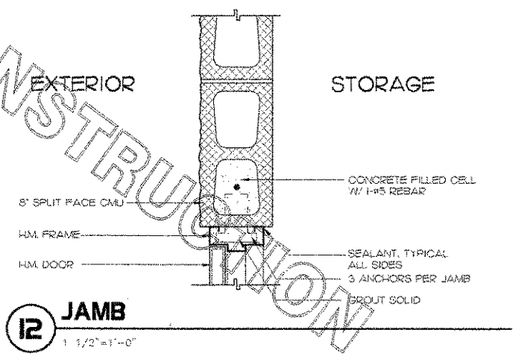
10 ROOF EDGE DETAIL

1 1/2"=1'-0"



11 HEAD DETAIL

1 1/2"=1'-0"



12 JAMB

1 1/2"=1'-0"

FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Rd.
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Mark	Date	By
1	9/17/04	rea
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STORE SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
REFUSE ENCLOSURE

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
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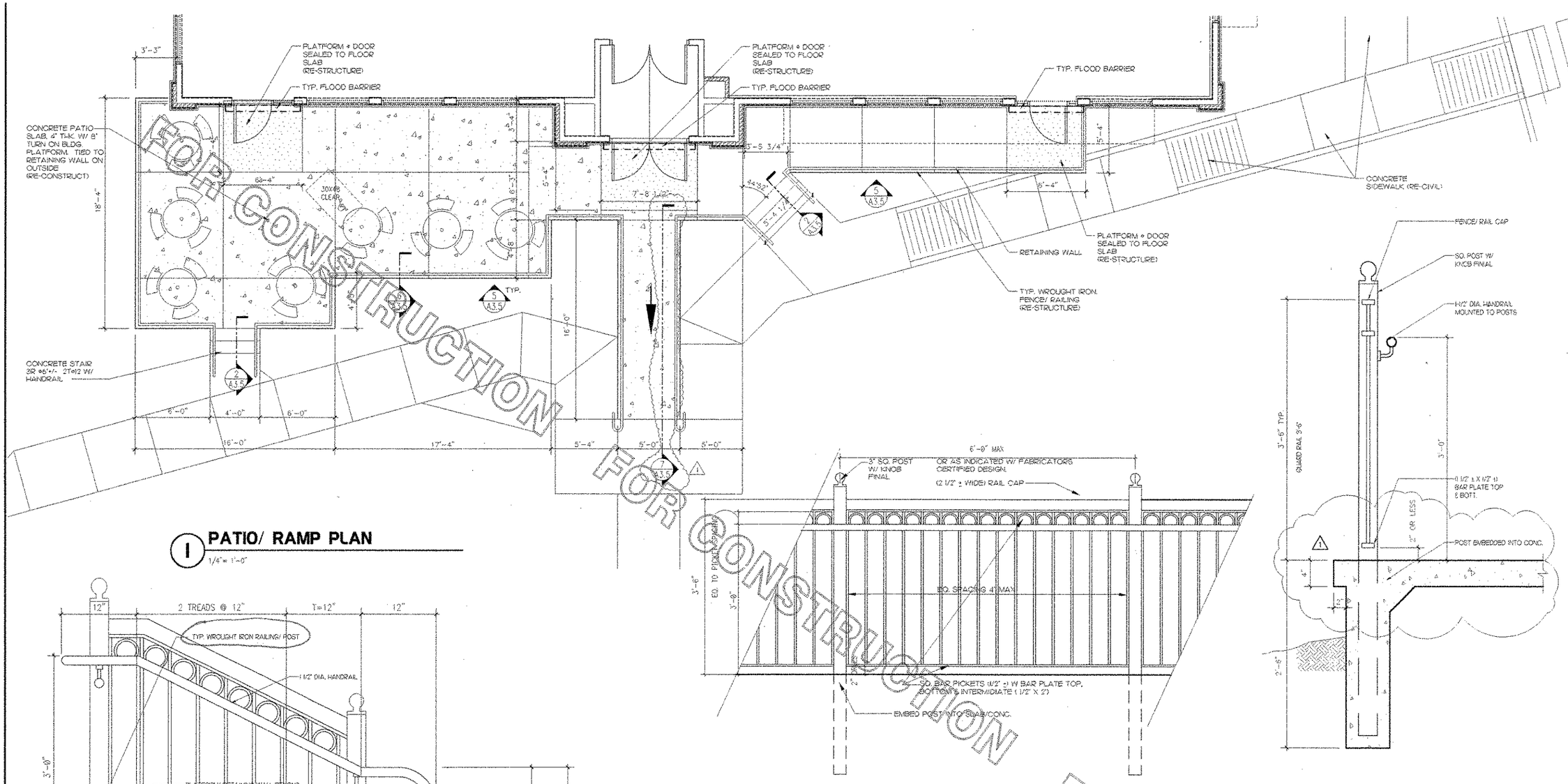
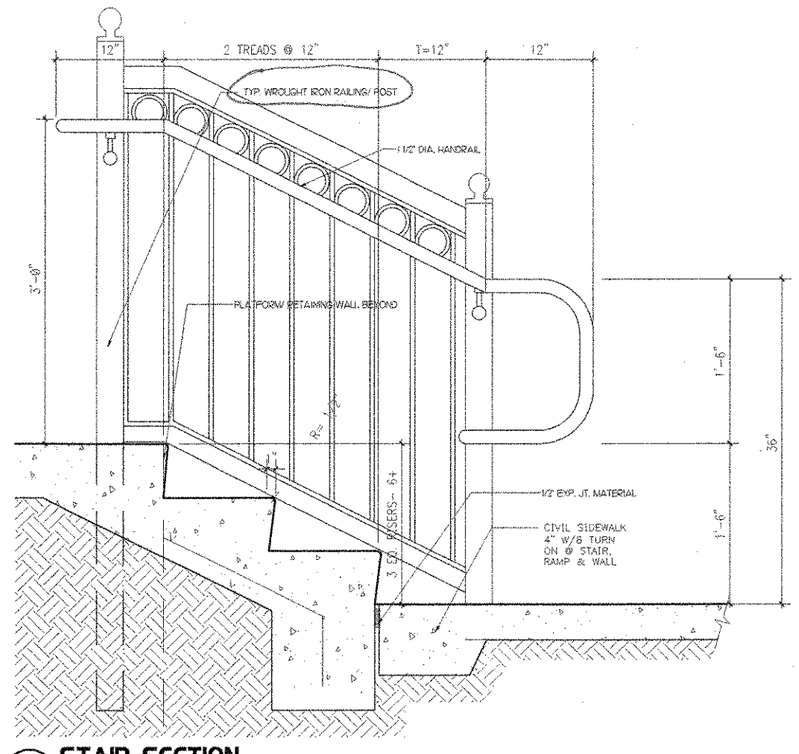
Sheet
A-3.4



1 PATIO/ RAMP PLAN

1/4"= 1'-0"



2 STAIR SECTION

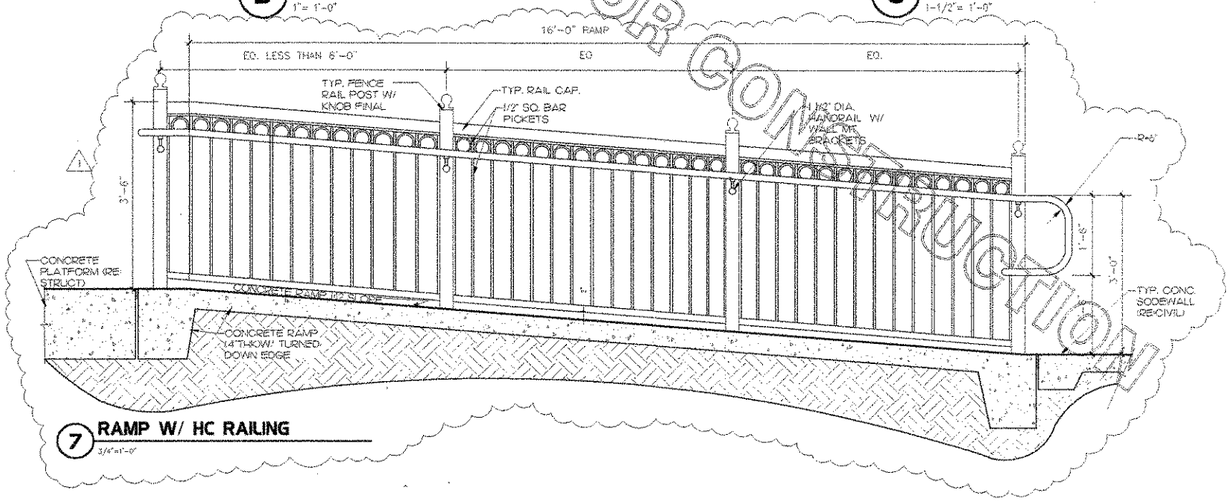
1-1/2"= 1'-0"

5 TYPICAL FENCE/ RAILING

1"= 1'-0"

6 FENCE/ RAILING SECTION

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



7 RAMP W/ HC RAILING

3/4"=1'-0"

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Chick-fil-A
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933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5008
FX 407.609.9124

INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

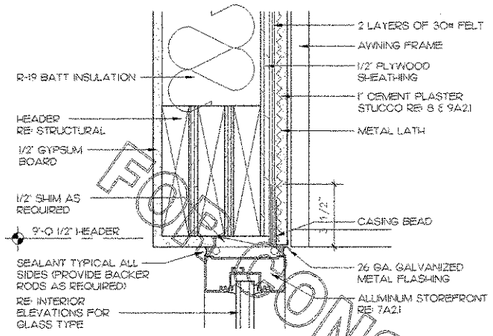
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
PLATFORMS
WALKS/RAMPS

DWG EDITION 03.8

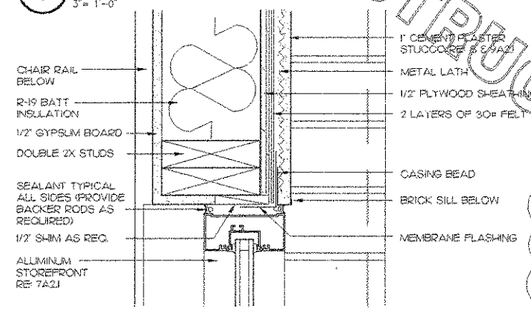
Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By	---

Sheet
A-3.5



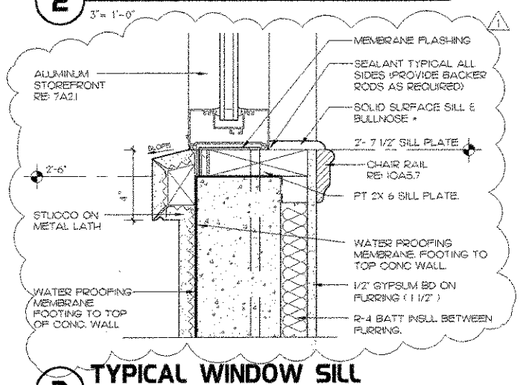
1 TYPICAL WINDOW/DOOR HEAD

3"= 1'-0"



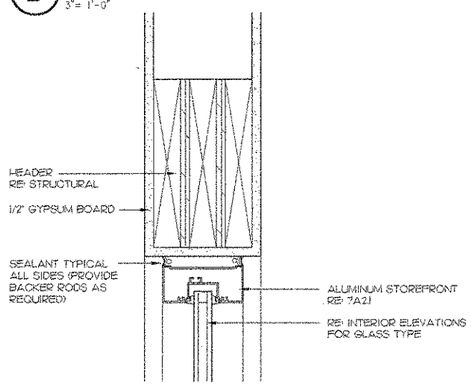
2 TYPICAL WINDOW/DOOR JAMB

3"= 1'-0"



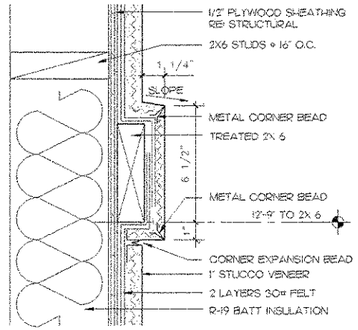
3 TYPICAL WINDOW SILL

3"= 1'-0"



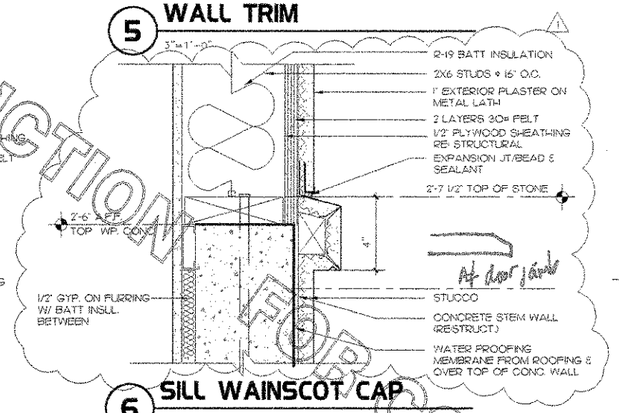
4 TYPICAL STOREFRONT HEAD

3"= 1'-0"



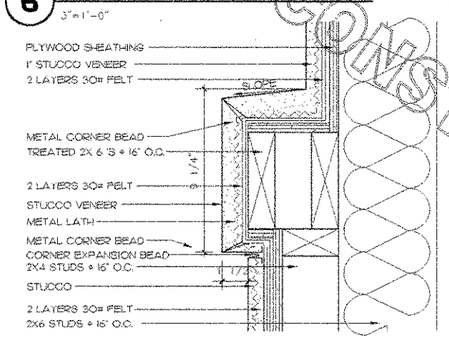
5 WALL TRIM

3"= 1'-0"



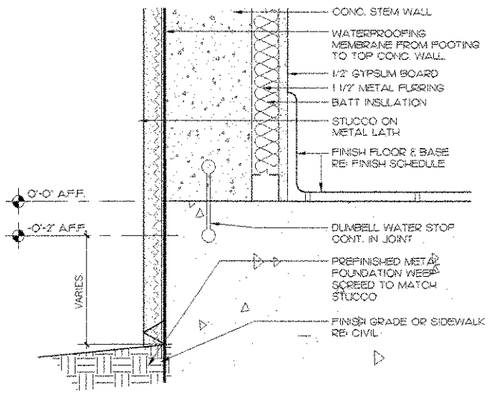
6 SILL WAINSCOT CAP

3"= 1'-0"



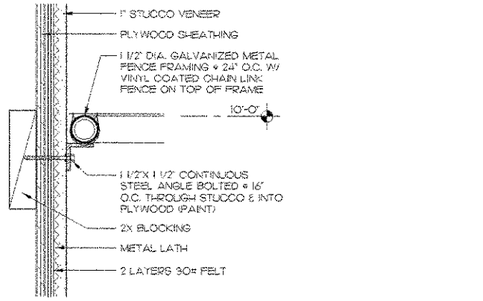
7 PILASTER CAP DETAIL

3"= 1'-0"

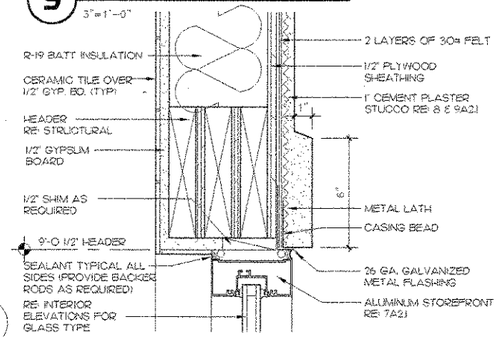


8 TYPICAL BASE OF WALL

3"= 1'-0"

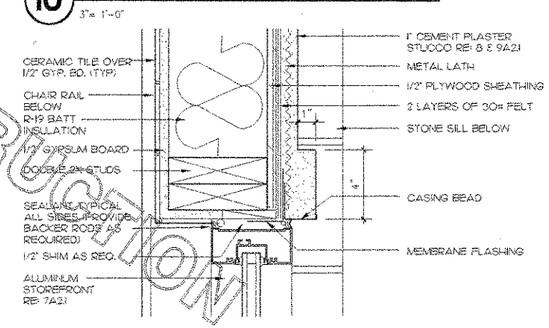


FENCE AT SERVICE YARD WALL



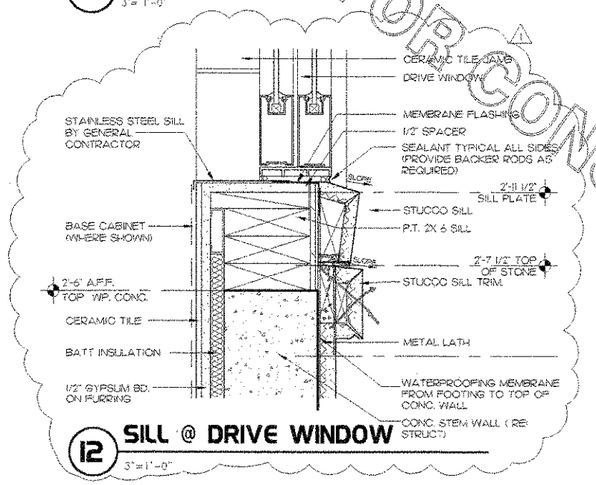
9 DRIVE-THRU HEAD

3"= 1'-0"



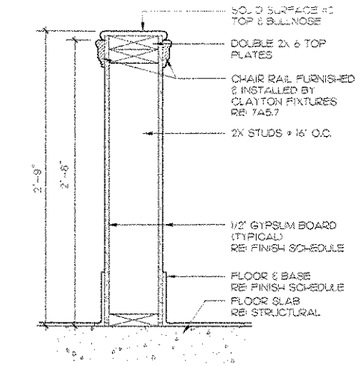
10 DRIVE THRU JAMB

3"= 1'-0"



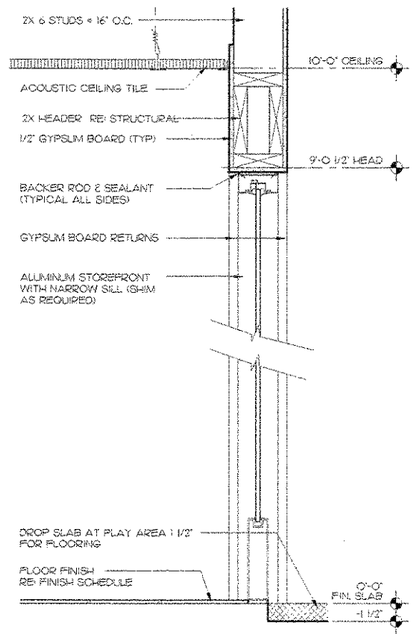
11 SILL @ DRIVE WINDOW

3"= 1'-0"



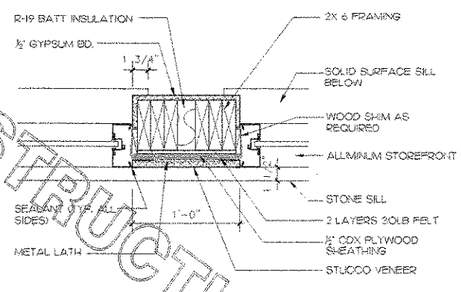
13 LOW WALL SECTION

1 1/2"= 1'-0"



14 SECTION PLAY AREA/DINING A

1 1/2"= 1'-0"



15 PLAN DETAIL AT PIER

1 1/2"= 1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rss
	COORD. REVISIONS	

Mark	Date	By

Mark	Date	By

Seal

AA 0043301
CA 16660
933 LEE ROAD, FIRST FLOOR
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FX. 407.629.9124
INTERPLAN 3
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

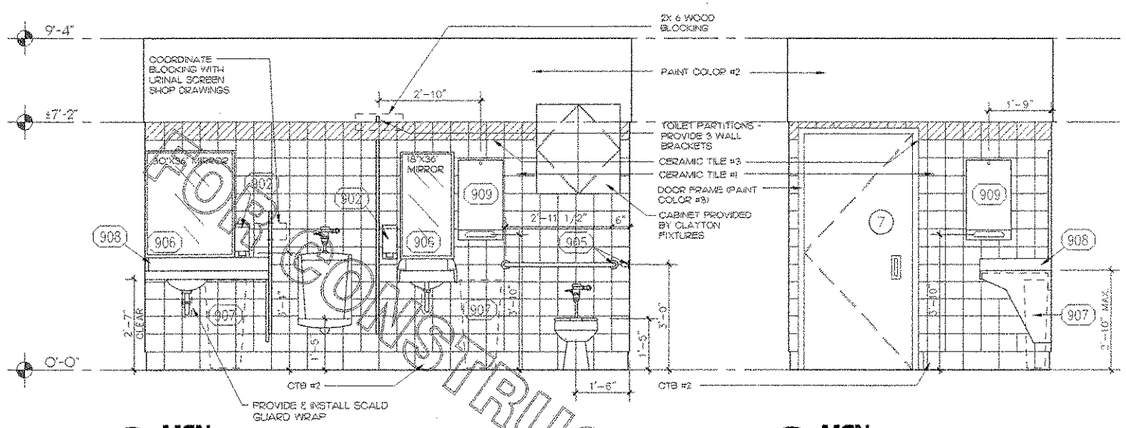
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
EXTERIOR
DETAILS

DWG EDITION 03.8

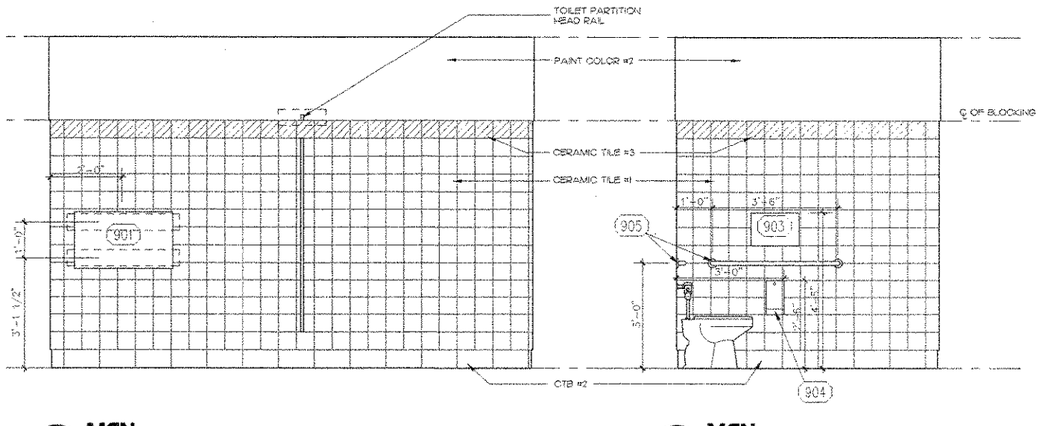
Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By	---

Sheet
A-4.1



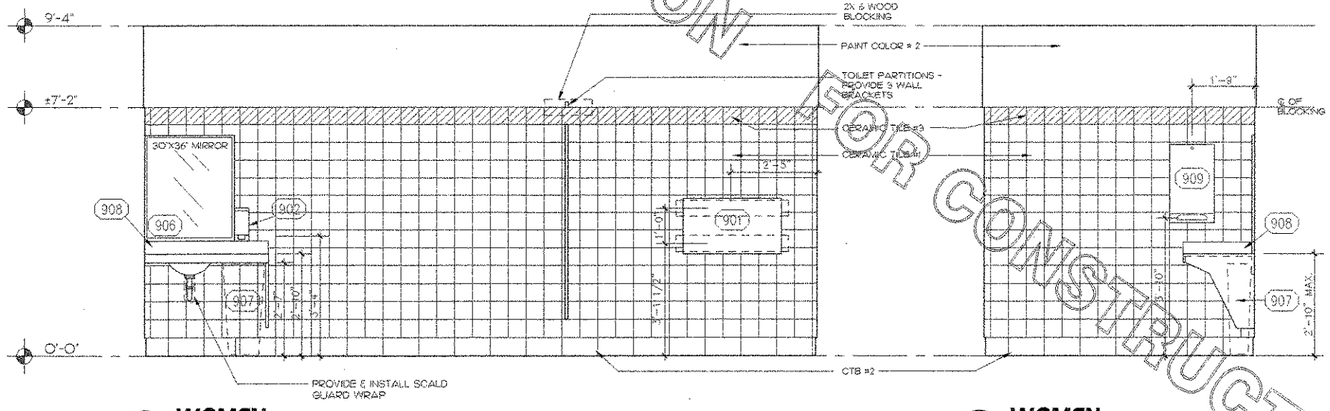
1 **MEN**
1/2"= 1'-0"

2 **MEN**
1/2"= 1'-0"



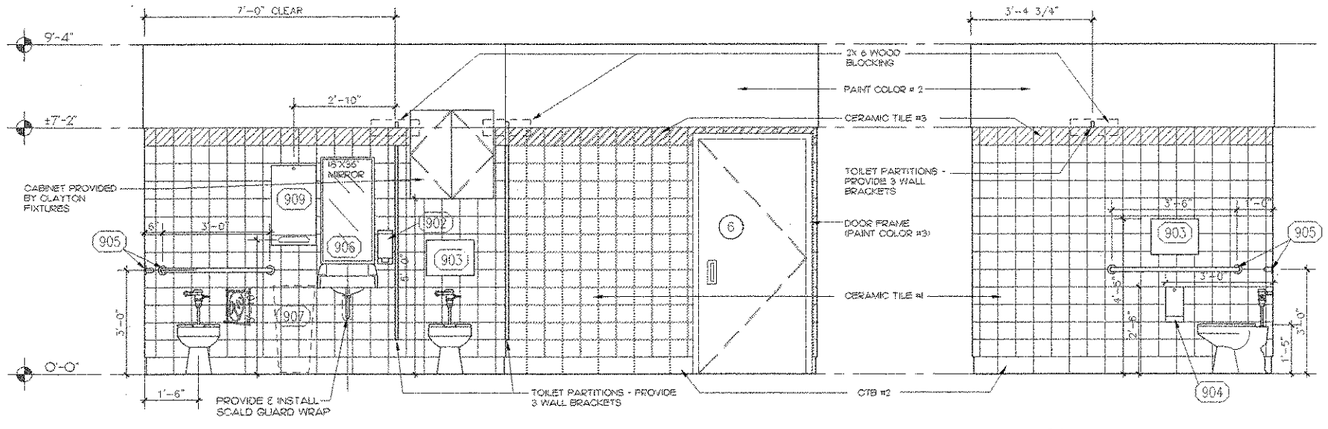
3 **MEN**
1/2"= 1'-0"

4 **MEN**
1/2"= 1'-0"



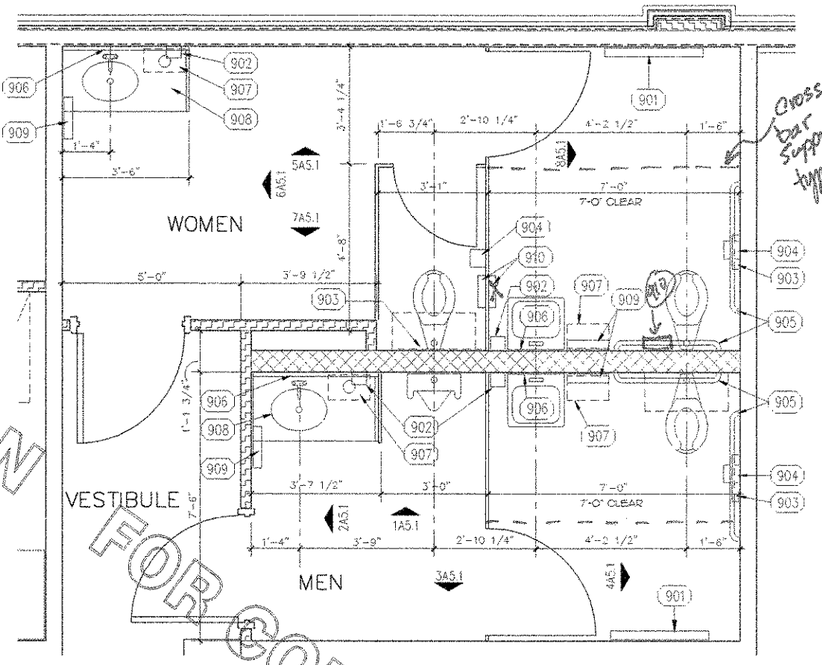
5 **WOMEN**
1/2"= 1'-0"

6 **WOMEN**
1/2"= 1'-0"



7 **WOMEN**
1/2"= 1'-0"

8 **WOMEN**
1/2"= 1'-0"



	DESCRIPTION	QUANTITY	MANUFACTURER	FURNISHED BY	INSTALLED BY	MODEL #
901	BABY CHANGING STATION	2	RUBBERMAID	OWNER	EQUIPMENT INSTALLER	
902	SOAP DISPENSER	4	SANIFRESH	MEDLEY	EQUIPMENT INSTALLER	
903	TOILET SEAT COVER DISP.	3	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0477SM
904	TOILET PAPER DISPENSER	3	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0030
905	GRAB BAR	2 EACH	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#3201-36 & 3201-42
906	MIRROR	4	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0620-A
907	TRASH RECEPTACLE	2	-	OWNER	EQUIPMENT INSTALLER	#1636
908	VANITY	2	CABINET MFR.	OWNER	EQUIPMENT INSTALLER	
909	PAPER TOWEL DISP.	2	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0210
910	SANITARY NAPKIN DISPOSAL	2	ASI	GENERAL CONTRACTOR	GENERAL CONTRACTOR	#0473-A

9 **ENLARGED RESTROOM PLAN AND LEGEND**
1/2"= 1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

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Mark	Date	By

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AA 0043120
CA 8660
933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.629.1555
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INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

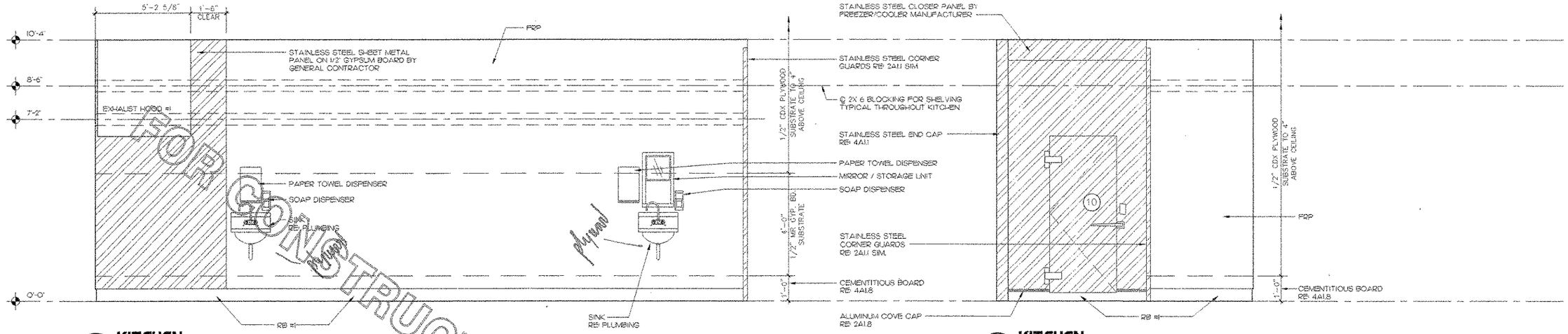
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
RESTROOMS

DWG EDITION 03.8

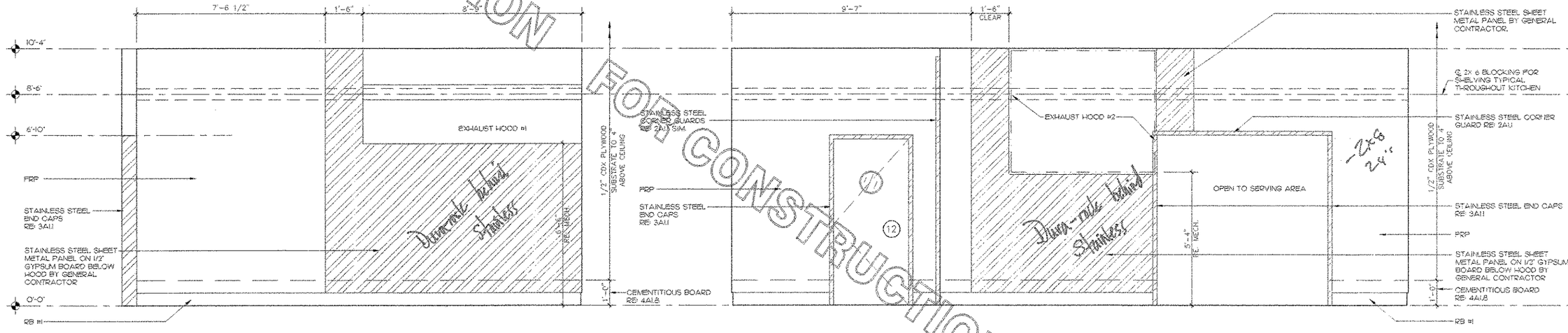
Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

Sheet
A-5.1



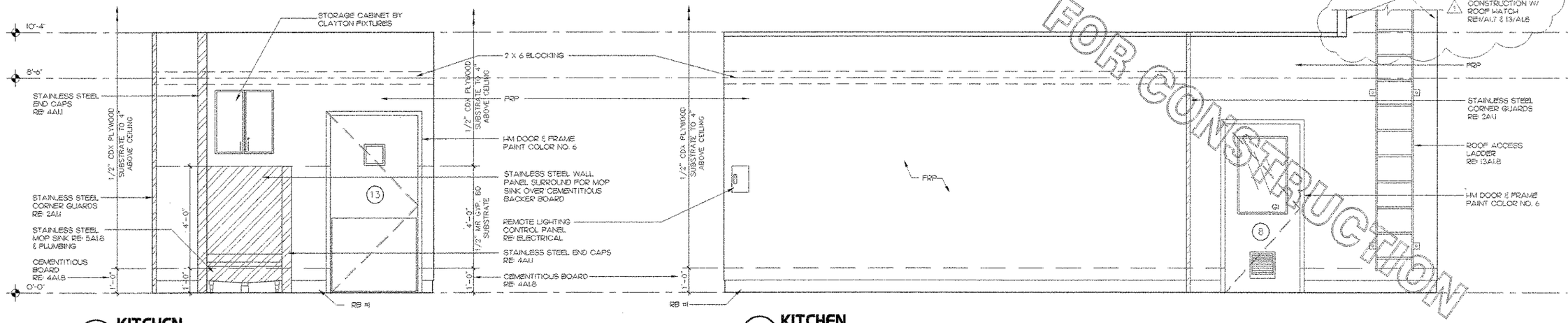
1 KITCHEN
1/2"= 1'-0"

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



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

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



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

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

HOLD
DO NOT CONSTRUCTION
FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rea
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Mark	Date	By

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AA 004320
CA 8660
933 LEE ROAD, FIRST FLOOR
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PH. 407.629.2616
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INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

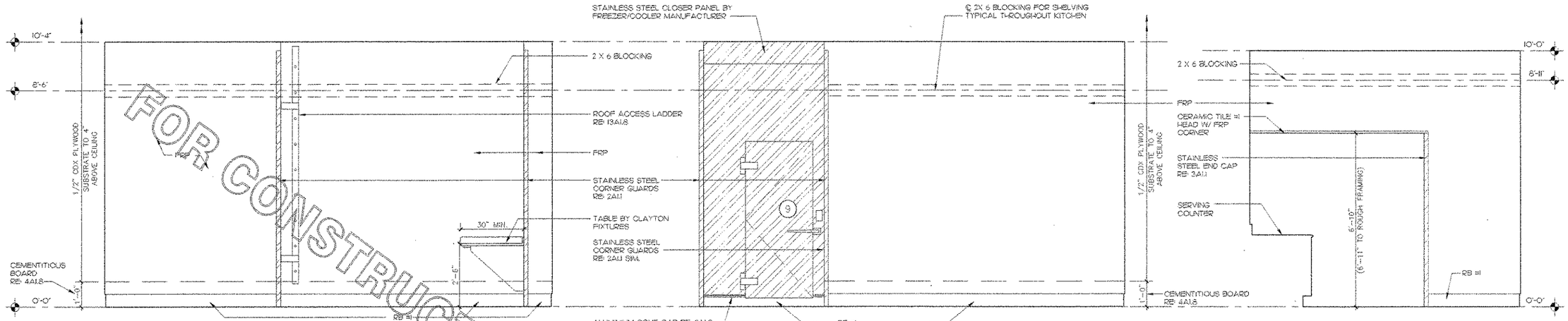
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
INTERIOR
ELEVATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

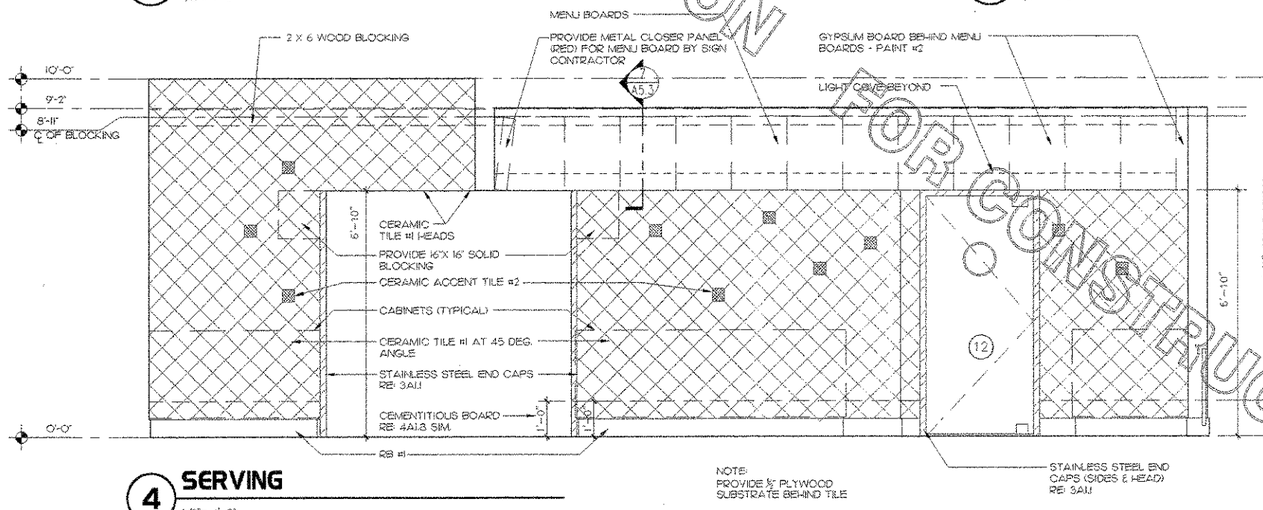
Sheet
A-5.2



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

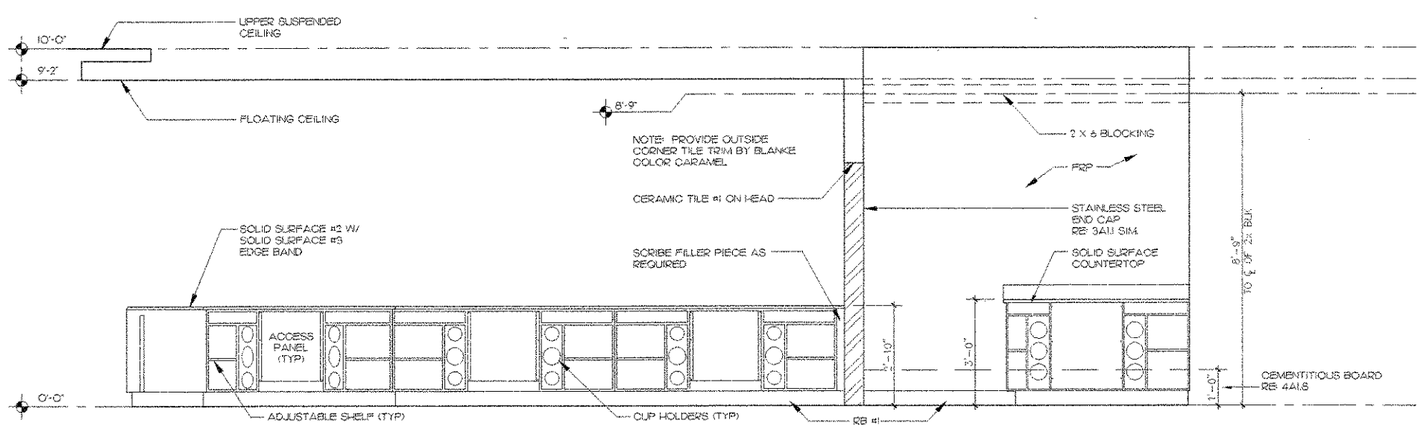
2 KITCHEN
1/2"= 1'-0"

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

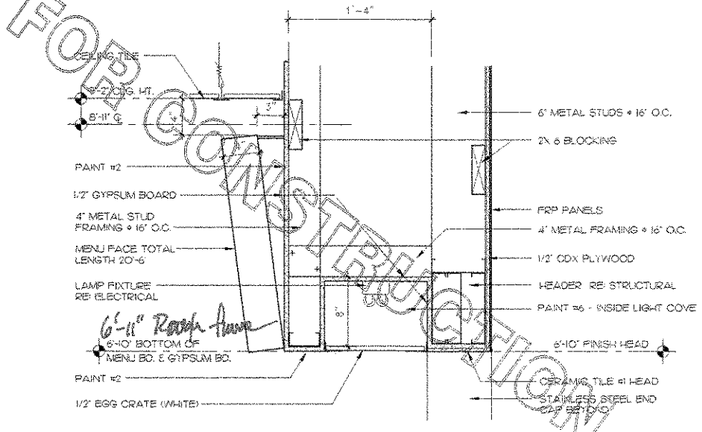


4 SERVING
1/2"= 1'-0"

5 SERVING @ DRIVE THRU
1/2"= 1'-0"



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



7 MENU BOARD LIGHT BOX
1 1/2"= 1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

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AA 0045120
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INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

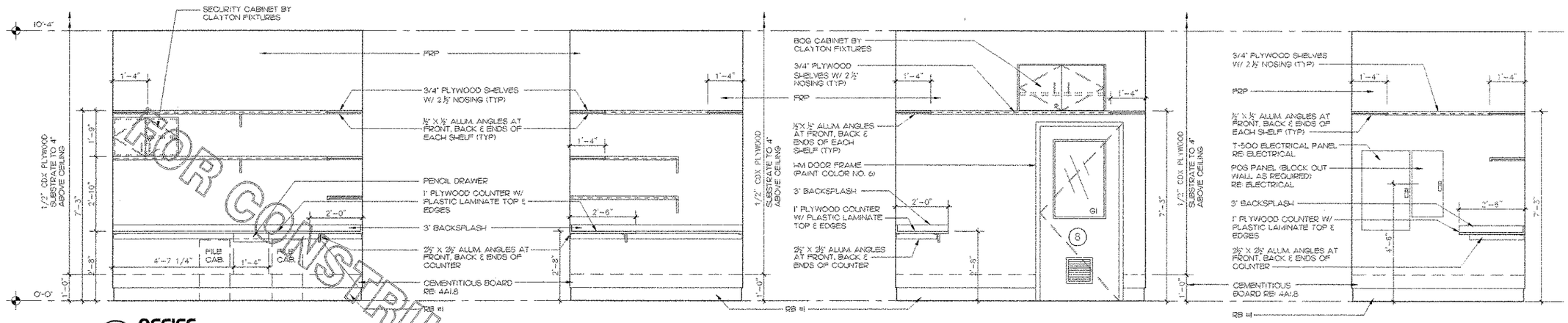
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
INTERIOR ELEVATIONS

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By	---

Sheet
A-5.3

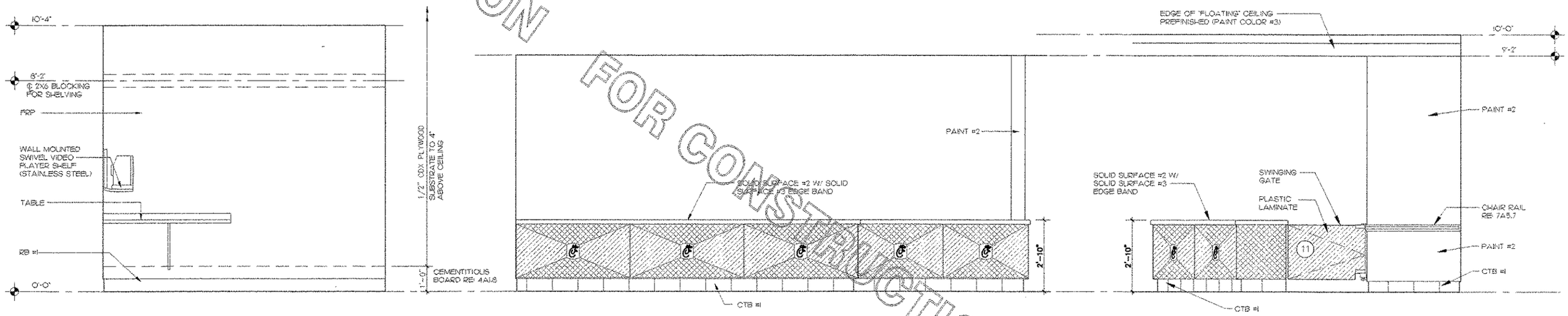


1 OFFICE 1/2"= 1'-0"

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

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

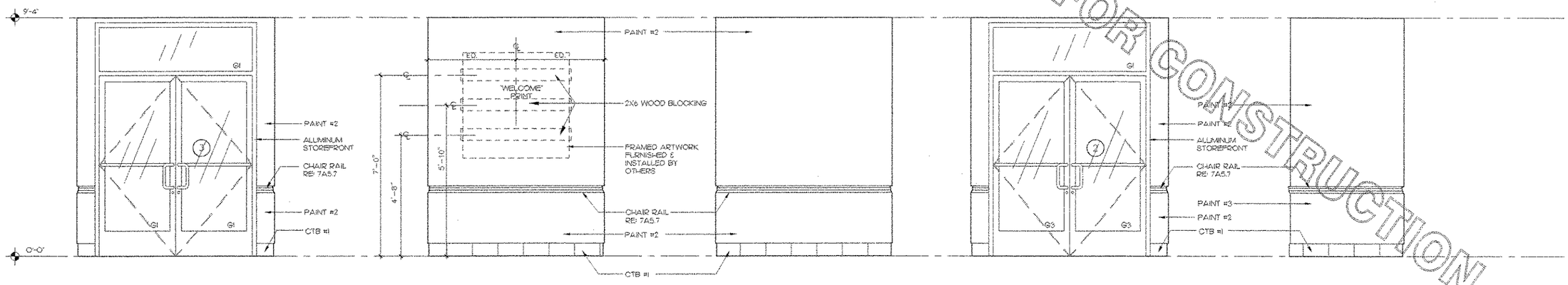
4 OFFICE 1/2"= 1'-0"



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

6 ORDER AREA 1/2"= 1'-0"

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



8 ENTRY "A" 1/2"= 1'-0"

9 ENTRY "A" 1/2"= 1'-0"

10 ENTRY "A" 1/2"= 1'-0"

11 ENTRY "A" 1/2"= 1'-0"

12 CONDIMENTS 1/2"= 1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

Mark	Date	By

Mark	Date	By

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INTERPLAN
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STORE
SERIES
FSU 03-A

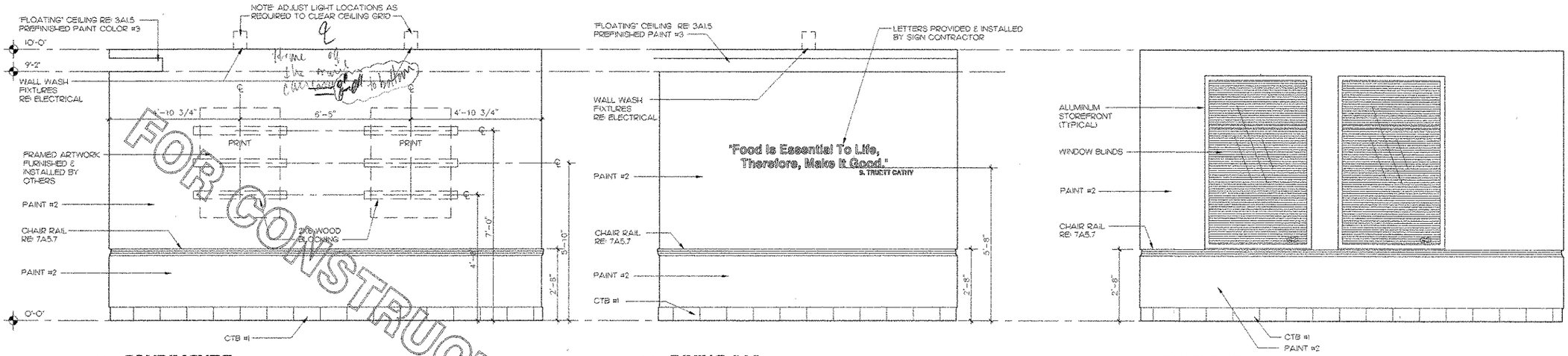
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
INTERIOR ELEVATIONS

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By	---

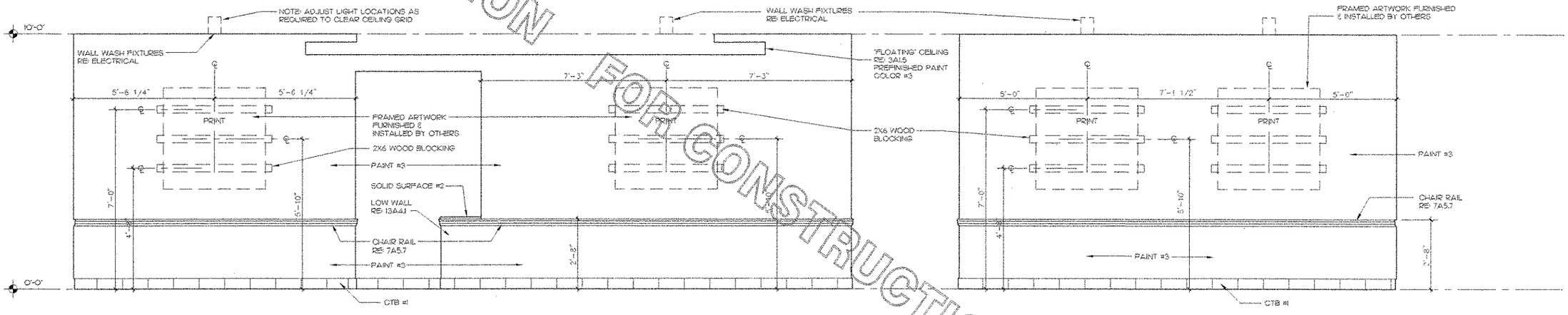
Sheet
A-5.4



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

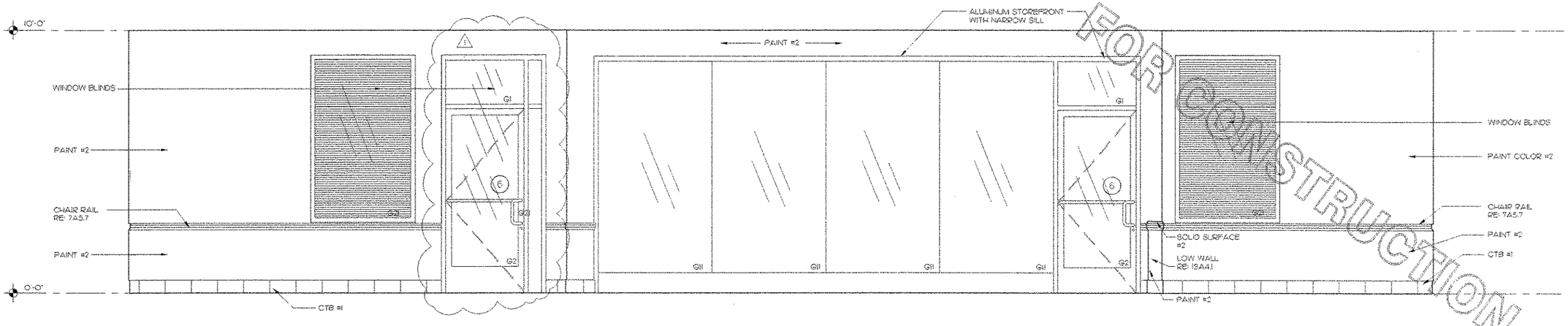
2 DINING "A"
1/2"= 1'-0"

3 DINING "B"
1/2"= 1'-0"



4 DINING "A"
1/2"= 1'-0"

5 DINING "B"
1/2"= 1'-0"



6 DINING "A"
1/2"= 1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rea
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Mark	Date	By

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INTERPLAN
ARCHITECTURE
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INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

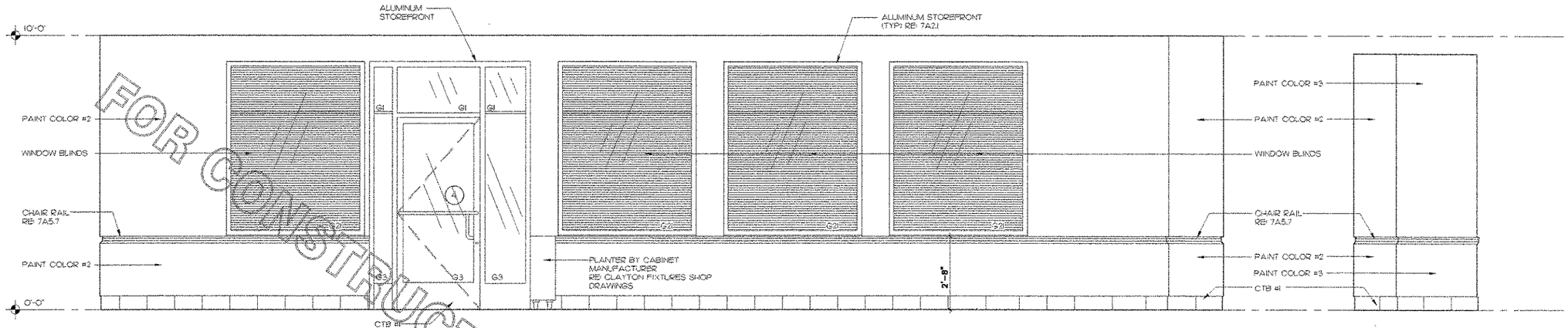
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
INTERIOR
ELEVATIONS

DWG EDITION 03.8

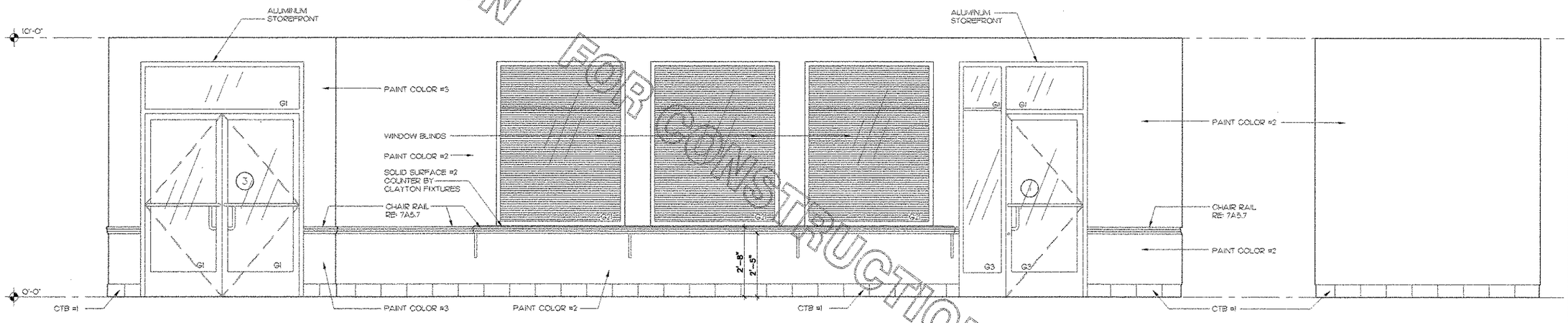
Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By:	---

Sheet
A-5.5



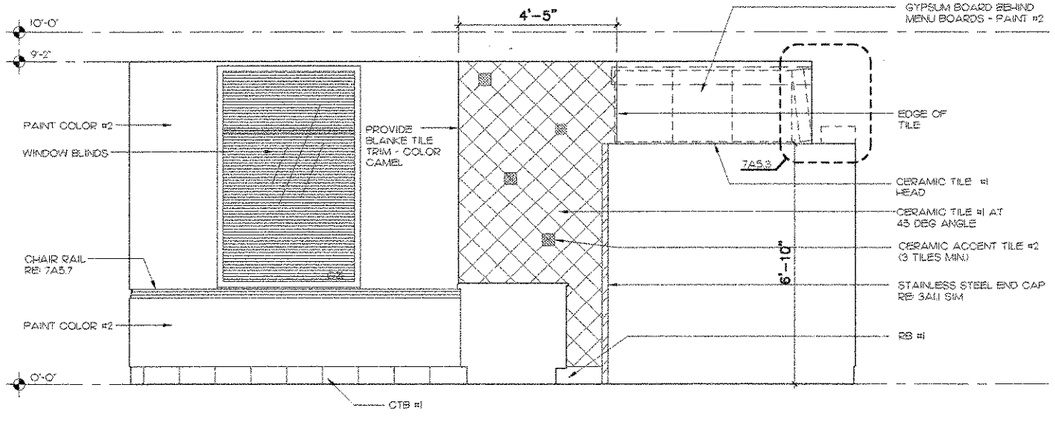
1 DINING "A"
1/2"= 1'-0"

2 DINING "A"
1/2"= 1'-0"

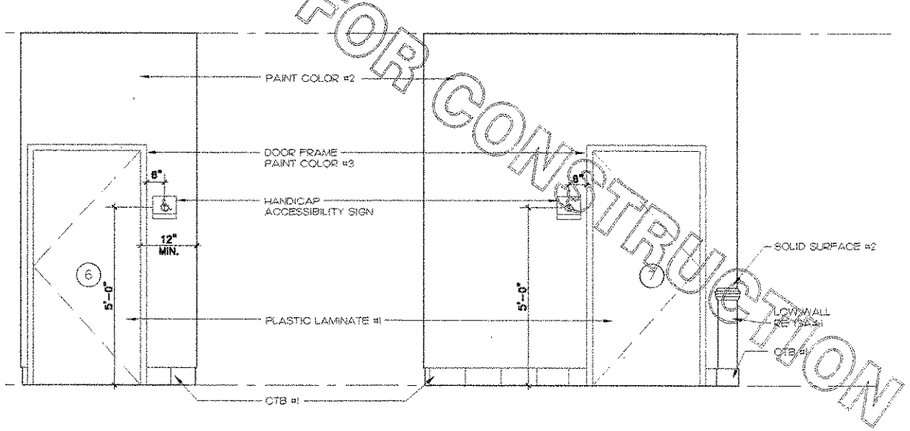


3 CONDIMENTS/ORDER
1/2"= 1'-0"

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



5 ORDER/SERVING
1/2"= 1'-0"



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

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

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

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Mark	Date	By
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INTERPLAN
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STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
INTERIOR ELEVATIONS

DWG EDITION 03.8

Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	---
Checked By:	---

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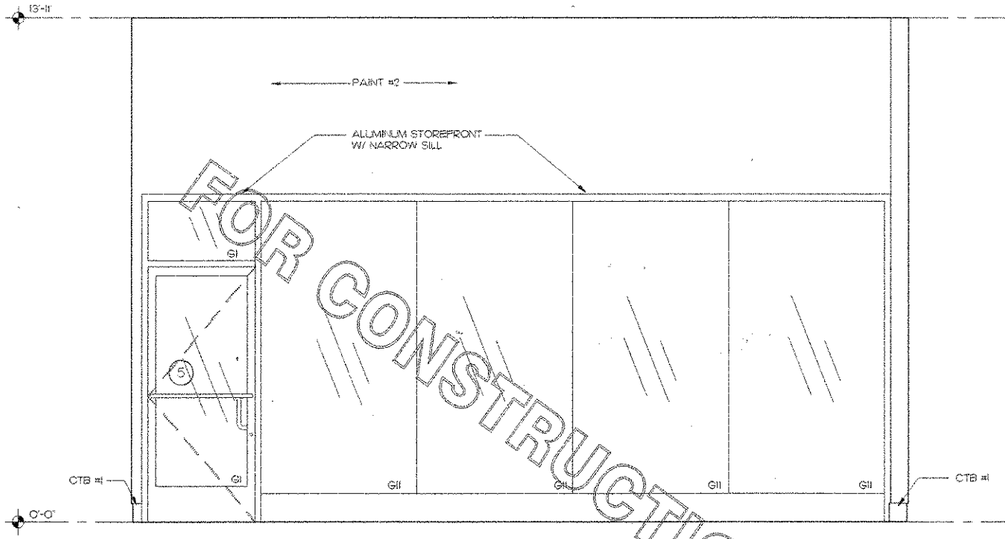
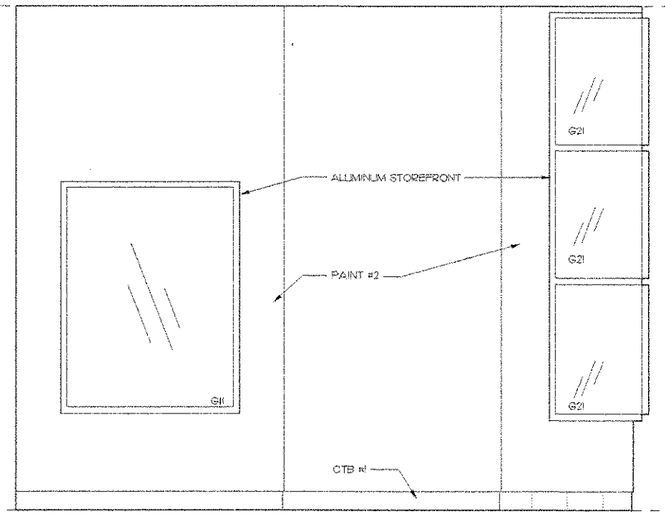
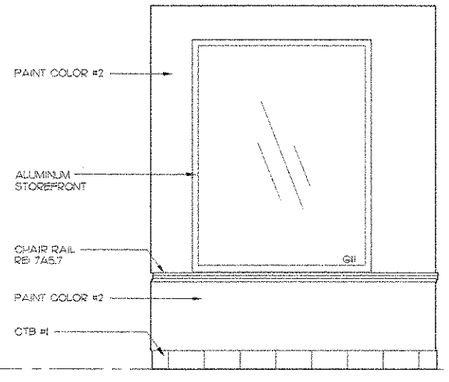
A-5.6



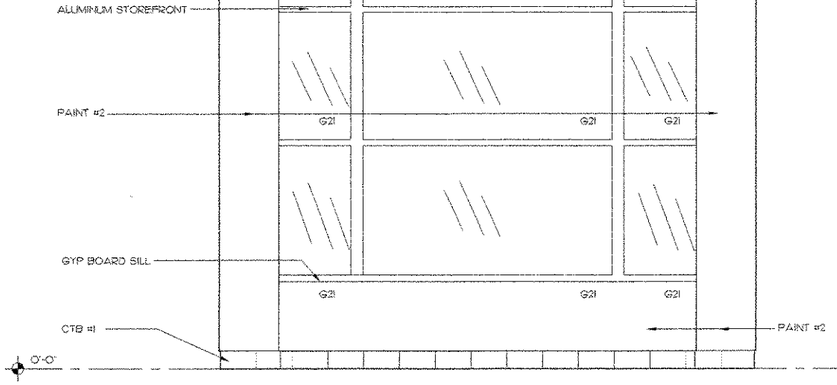
1 PLAY AREA
1/2"= 1'-0"



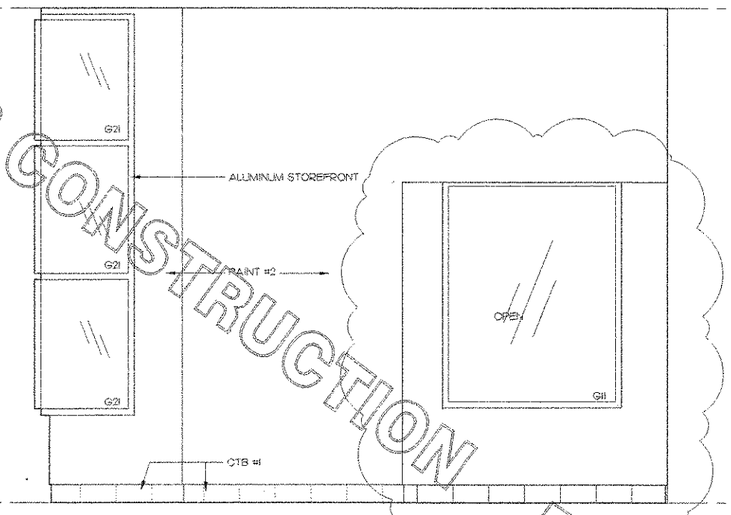
2 PLAY AREA
1/2"= 1'-0"



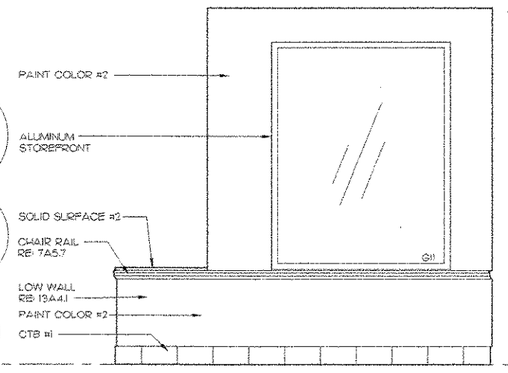
3 DINING "B"
1/2"= 1'-0"



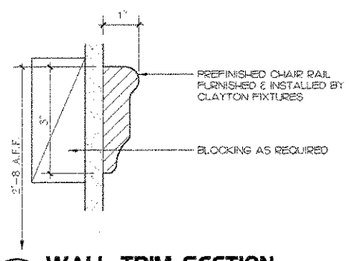
4 PLAY AREA
1/2"= 1'-0"



5 PLAY AREA
1/2"= 1'-0"



6 DINING "B"
1/2"= 1'-0"



7 WALL TRIM SECTION
6"=1'-0"

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Chick-fil-A
5200 Buffington Rd.
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Revisions:

Mark	Date	By
1	9/17/04	rpa
	COORD. REVISIONS	

Mark	Date	By

Mark	Date	By

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INTERPLAN
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FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
INTERIOR
ELEVATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ---
Checked By: ---

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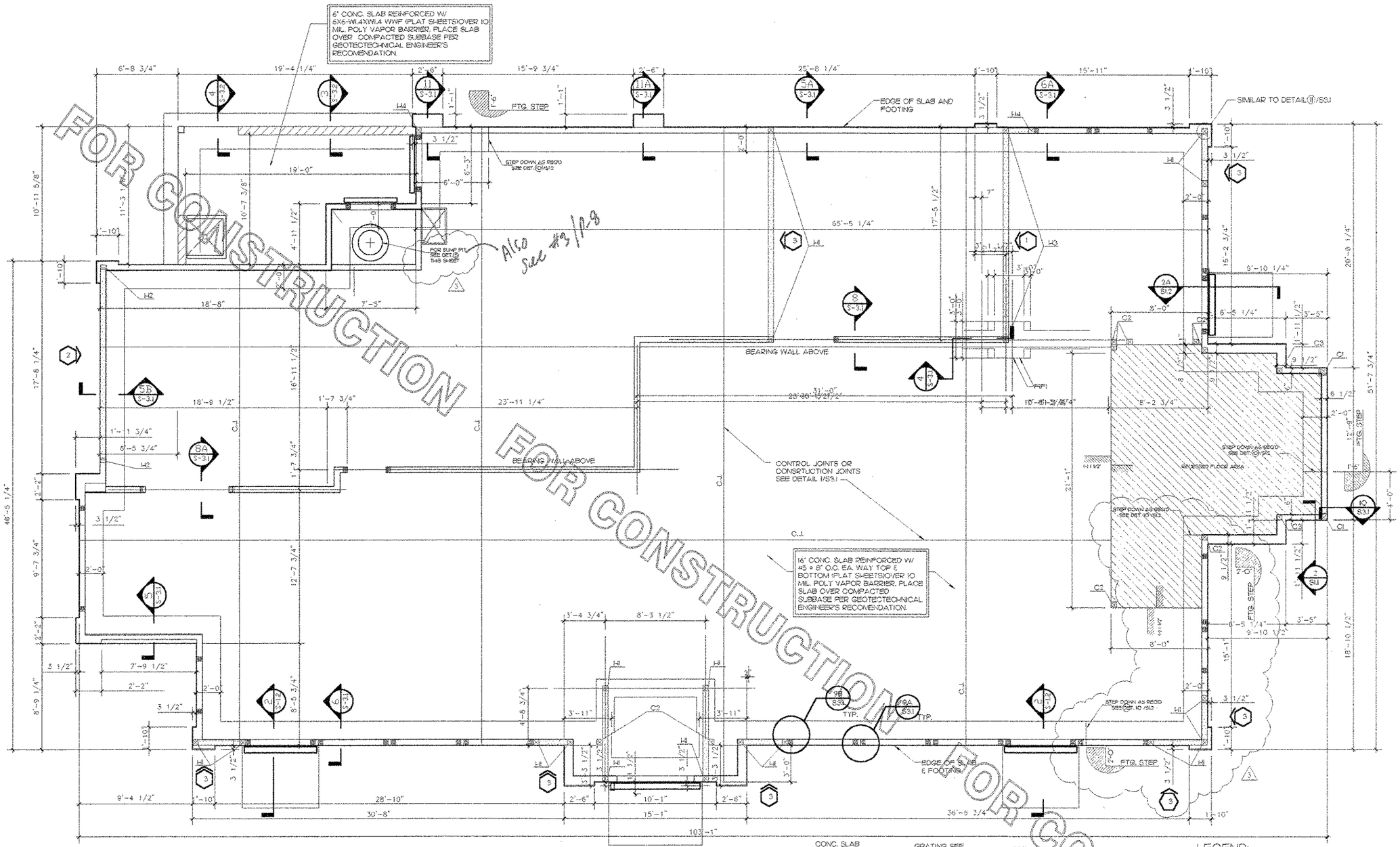

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1 FOUNDATION PLAN

1/4"= 1'-0"

MARK	SIZE (WOOD)	COLUMN BASE (SIMPSON)
C1	4X6	ABU46
C2	6X6	ABU66
C3	4X4	ABU44

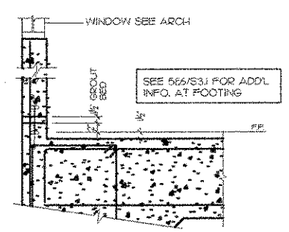
3 COLUMN SCHEDULE

NONE

MARK	END POST	HOLDOWN (SIMPSON)	ANCHOR BOLT SIZE & EMBEDMENT
H1	6X6	HDI4A	SEE DETAIL 3/S3.1
H2	TRIPLE 6" 16 GA. MTL. STUDS	SAHDI5	SEE DETAIL 3/S3.1
H3	6X6	HD8A	SEE DETAIL 3/S3.1
H4	6X6	HD2A	SEE DETAIL 3/S3.1

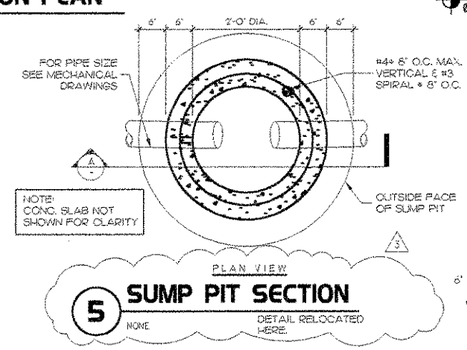
4 SHEARWALL HOLDOWN SCHEDULE

NONE



2 CURB DETAIL @ PLAYGROUND

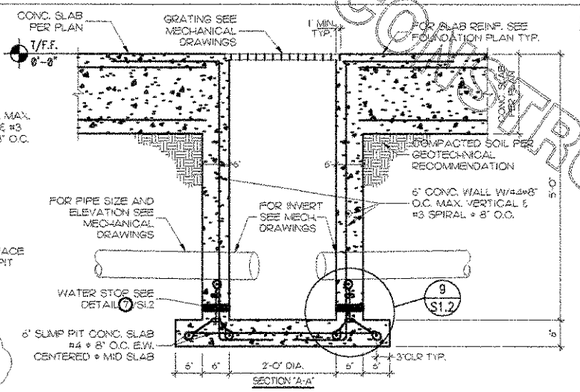
1"= 1'-0"



5 SUMP PIT SECTION

NONE

DETAIL RELOCATED HERE.



LEGEND:

- INDICATE SHEAR WALL, SEE 1/S3.2 FOR SHEAR WALL SCHEDULE
- MASONRY WALL.
- SHEAR WALL #, SEE SCHEDULE 1/S3.2

NOTES:

1. BOTTOM OF EXTERIOR FTG. (PER DETAILS ON S3.1)
2. SEE ARCH'DWG FOR ANY WALL LOCATIONS AND OR DIMENSIONS NOT SHOWN.
3. SEE DETAIL 6/S3.1 FOR SLAB CONTROL JOINTS.
4. ALL LOAD BEARING AND SHEAR WALLS ARE 2x6'S @ 16" O.C. TYPICAL U.N.O.
5. ALL SAW CUT CONTROL JOINTS SHALL BE COMPLETED WITHIN 12 HOURS AFTER FINISHING OF SLAB WITHOUT DISLODGING AGGREGATE.

NOTE TO G.C.:

WATER STOP SHALL BE CONTINUOS AND FUSED TOGETHER AT CORNERS, INTERSECTIONS & SPLICES PER MFR. TO ENSURE WATER TIGHTNESS.

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

Revisions:

Mark	Date	By
2	10/15/04	RKH
	OWNER COMMENTS/ RETAINING WALL	

Mark	Date	By

Mark	Date	By

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FSU 03-A

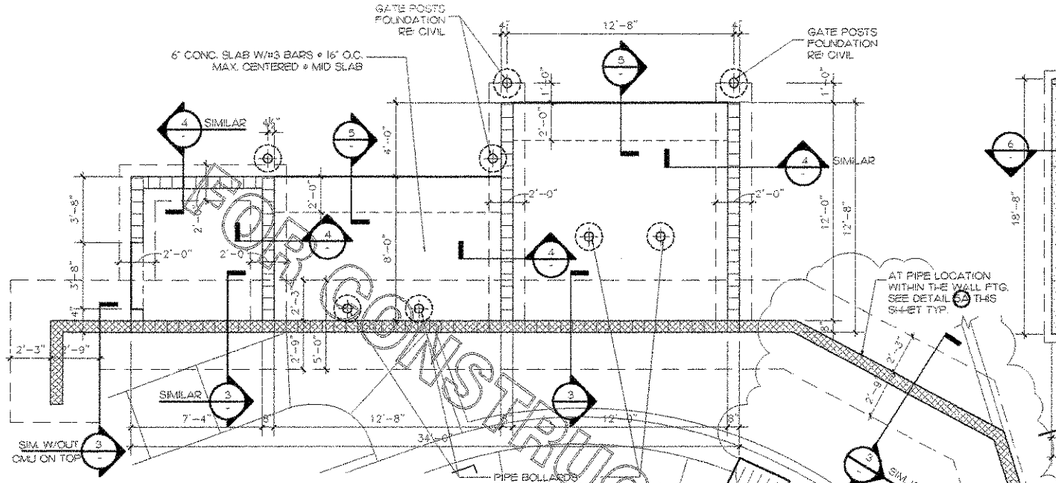
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FOUNDATION PLAN

DWG EDITION 03.8

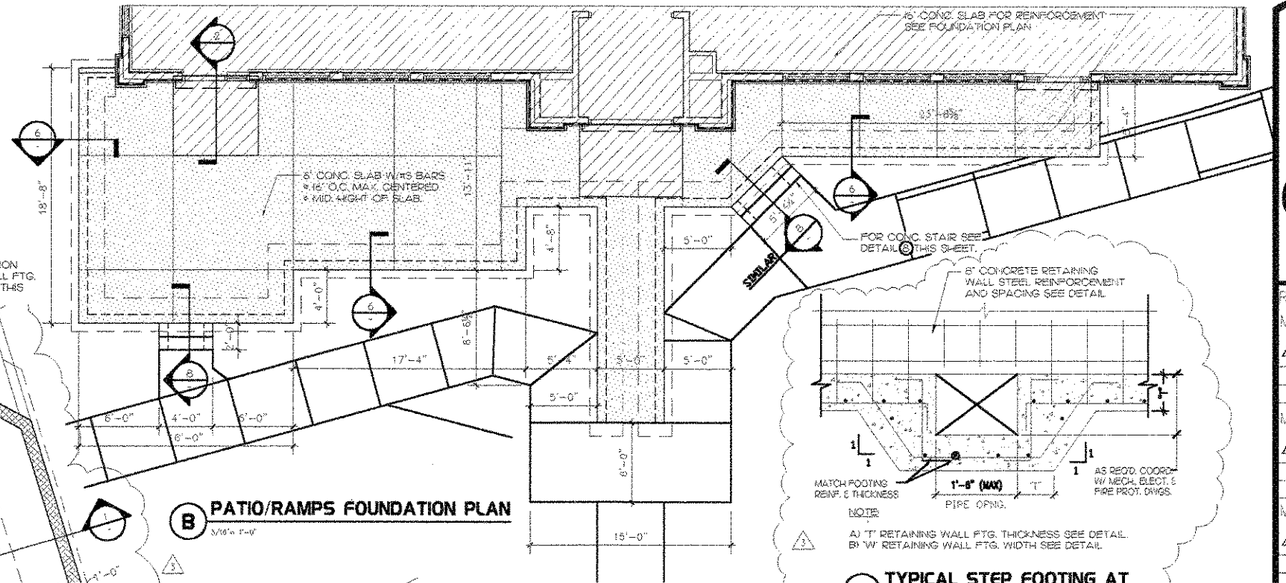
Job No.	2004.0255
Store	1740
Date	8/30/04
Drawn By	
Checked By:	

Sheet
S1.1



A DUMPSTER FOUNDATION PLAN

1/4"= 1'-0"

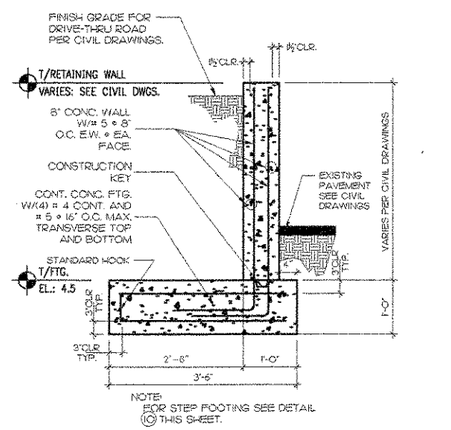


B PATIO/RAMPS FOUNDATION PLAN

3/16"= 1'-0"

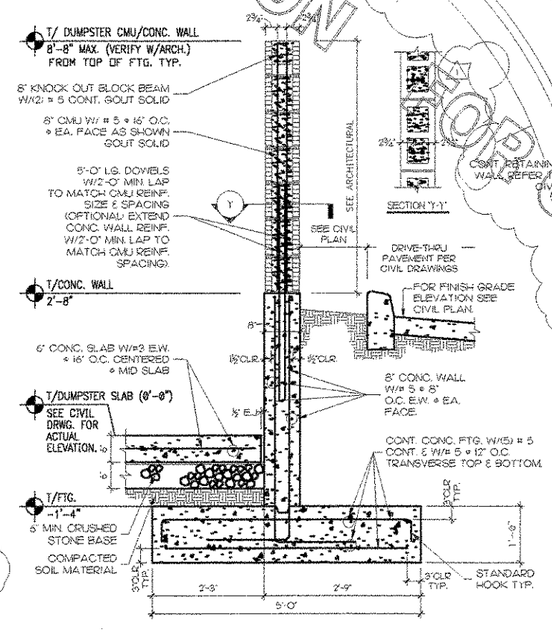
5A TYPICAL STEP FOOTING AT PIPES LOCATION

NTS



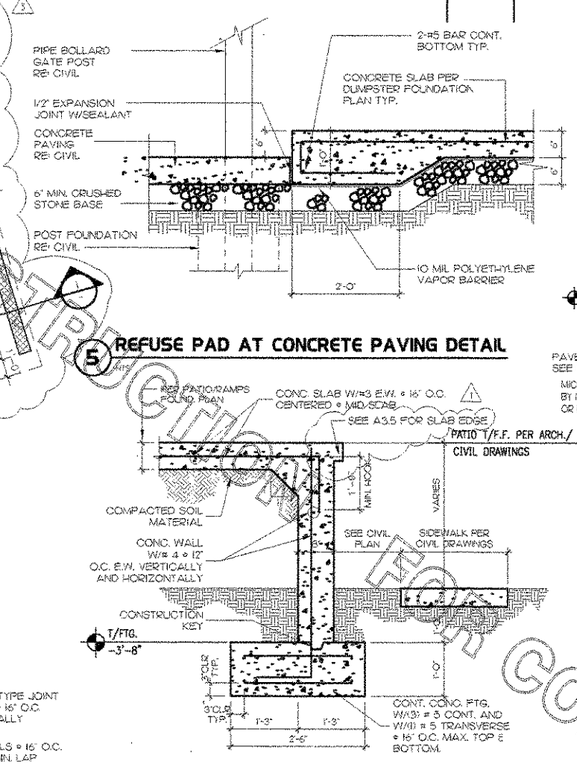
1 RETAINING ADJACENT TO ROAD WAY

NTS



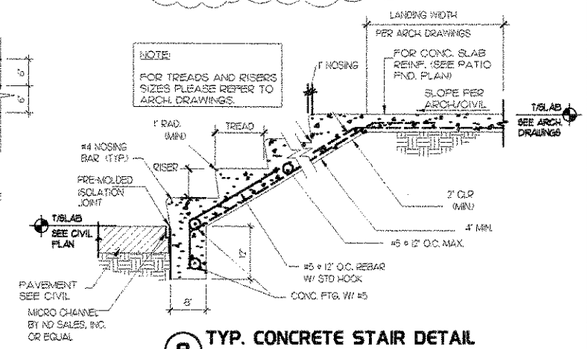
3 DUMPSTER RETAINING WALL

NTS



5 REFUSE PAD AT CONCRETE PAVING DETAIL

NTS

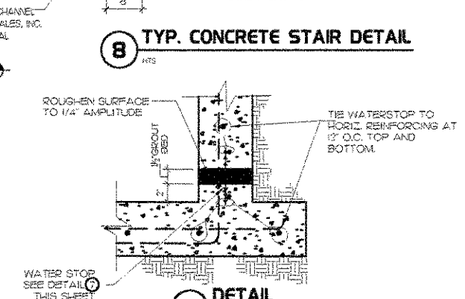


8 TYP. CONCRETE STAIR DETAIL

NTS

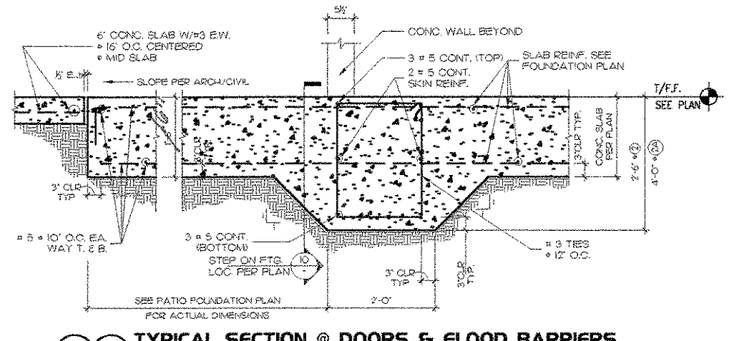
6 PATIO/RAMP RETAINING WALL

NTS



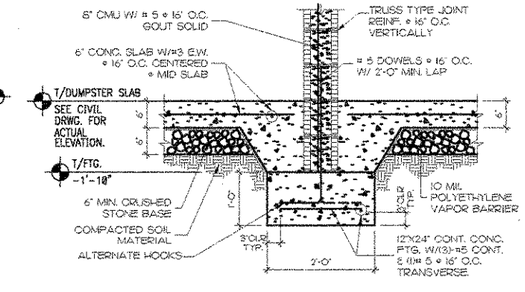
9 DETAIL

NTS



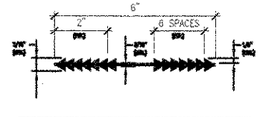
2 2A TYPICAL SECTION @ DOORS & FLOOD BARRIERS

NTS



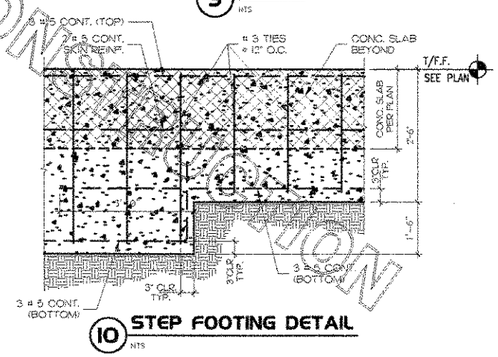
4 DUMPSTER INTERRIOR FOOTING

NTS



7 FLATSTRIP WATERSTOP

NTS



10 STEP FOOTING DETAIL

NTS

Chick-fil-A
5200 Buffington Rd.
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Revisions:

Mark	Date	By
1	9/17/04	rss
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2	10/19/04	RKH
	CLIENT COMMENTS/ RETAINING WALL	

Mark Date By

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AA 0043210
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SERIES
FSU 03-A

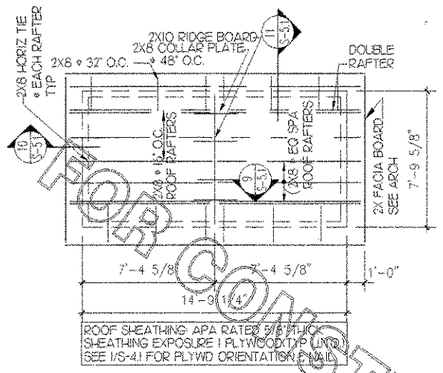
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FOUNDATION PLAN

DWG EDITION 03.8

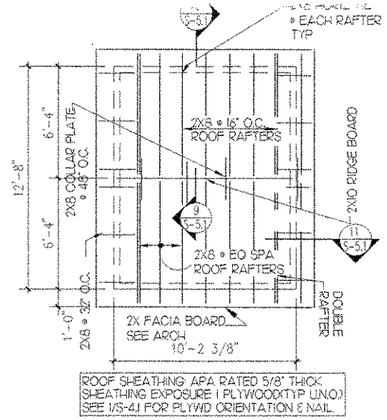
Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : FDC
Checked By: ____

Sheet
S1.2



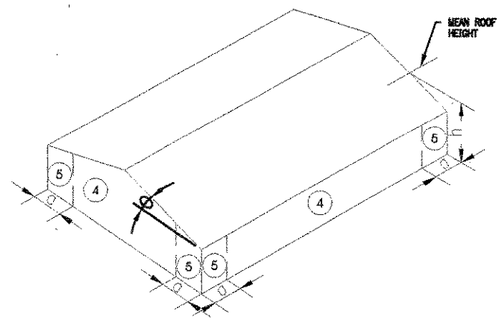
2 ENTRY UPPER ROOF FRAMING PLAN

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



3 PLAY AREA UPPER ROOF FRAMING PLAN

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



NET ROOF UPLIFT PLAN

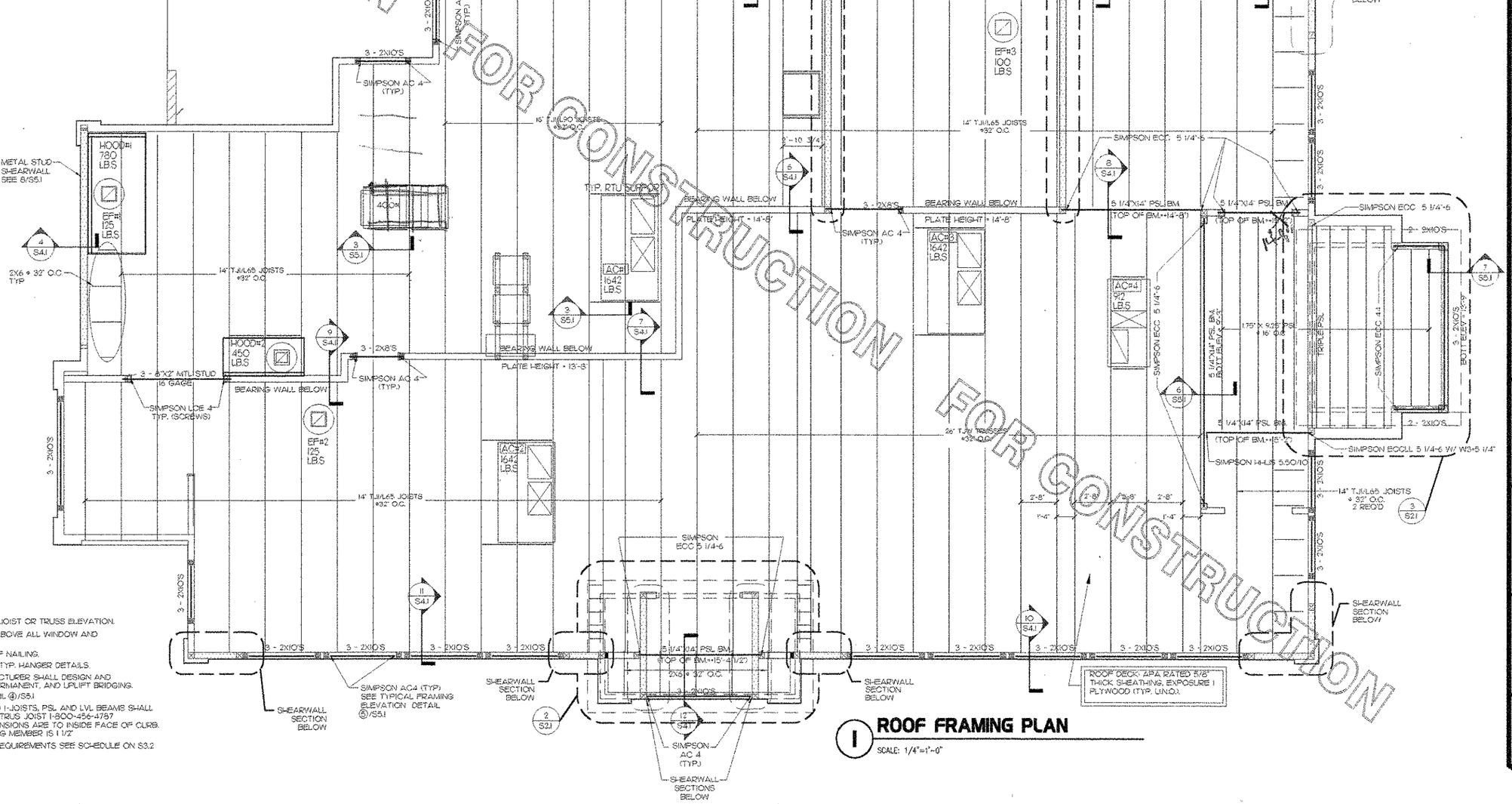
ZONE	MAX NET UPLIFT PRESSURE (PSF)
1	25 PSF
2	30 PSF
3	35 PSF

NOTE: ZONE 3 EQUALS ALL ROOF CORNERS OF 5'-0"X5'-0".
ZONE 2 EQUALS ALL ROOF EDGES EQUIVALENT TO 5'-0" FROM THE WALLS ALL AROUND THE BUILDING.
ZONE 1 EQUALS ALL REMAINING INTERIOR ROOF.

ZONE	MAX POS/NEG. WALL PRESSURES (PSF)
4	+29.20/-32.52 PSF
5	+29.20/-36.85 PSF

MAX WALL PRESSURE DIAGRAM

A = 5'-0"
H = 18'-0"



NOTES:
1) (+XX'-X") INDICATES TOP OF JOIST OR TRUSS ELEVATION.
2) PROVIDE (3) 2X10 HEADER ABOVE ALL WINDOW AND DOOR OPENINGS (U.N.O.).
3) SEE DETAIL 1/S4.1 FOR ROOF NAILING.
4) SEE①/S5.1 AND②/S5.1 FOR TYP. HANGER DETAILS.
5) TRUSS AND JOIST MANUFACTURER SHALL DESIGN AND PROVIDE ALL ERECTION, PERMANENT, AND UPLIFT BRIDGING.
6) SPLICE LEDGERS PER DETAIL ④/S5.1
7) OPEN WEB TRUSSES, WOOD I-JOISTS, PSL AND LVL BEAMS SHALL BE AS MANUFACTURED BY TRUS JOIST 1-800-456-4757 STUD, ROOF TOP UNIT DIMENSIONS ARE TO INSIDE FACE OF CURB. TO CENTERLINE OF FRAMING MEMBER IS 1 1/2"
9) FOR ADDITIONAL NAILING REQUIREMENTS SEE SCHEDULE ON S3.2

1 ROOF FRAMING PLAN

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

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5200 Buffington Rd.
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STORE SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

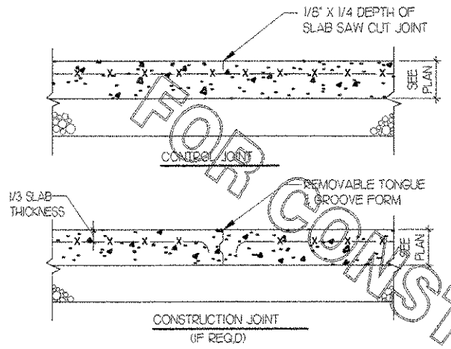
SHEET TITLE
ROOF FRAMING PLAN

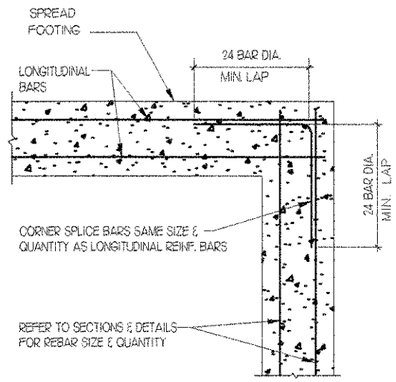
DWG EDITION 03.8

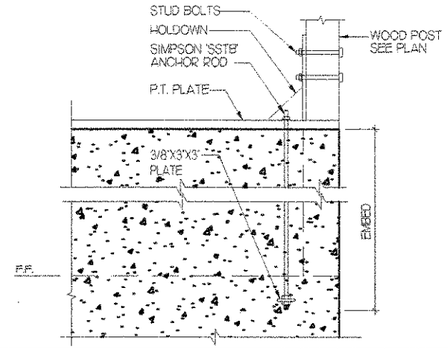
Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ____
Checked By: ____

Sheet
S2.1

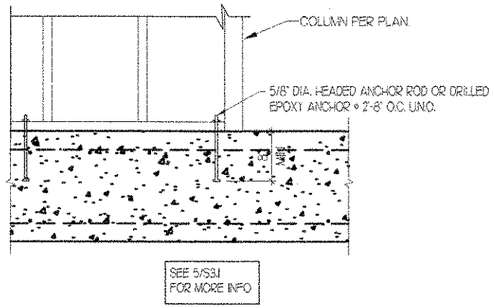
NOTE:
MAXIMUM JOINT SPACING SHALL BE 20 FT. IN EACH DIRECTION UNLESS SHOWN OTHERWISE ON PLAN







HOLDOWN (SIMPSON)	ANCHOR BOLT SIZE	ANCHOR BOLT EMBED	NO. OF STUD BOLTS	STUD BOLT SIZE
HD2A	5/8" DIA.	56"	2	5/8" DIA.
HD5A	3/4" DIA.	56"	2	3/4" DIA.
HD8A	7/8" DIA.	56"	3	7/8" DIA.
HD10A	7/8" DIA.	56"	4	7/8" DIA.
HD14A	1" DIA.	56"	4	1" DIA.
S/ HD15	1" DIA.	56"	N/A (SCREWS)	1" DIA.

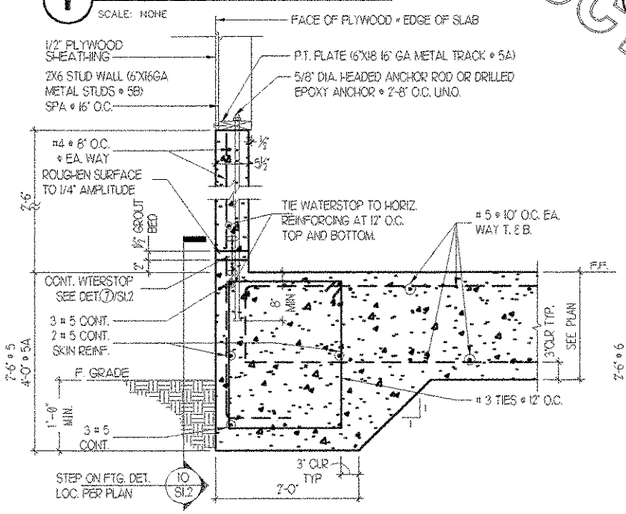


4 SECTION
SCALE: 1" = 1'-0"

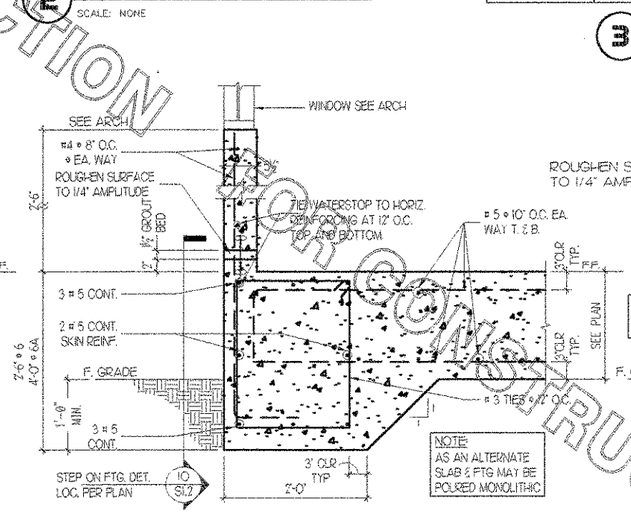
NOTE TO S. C.:

WATER STOP SHALL BE CONTINUOS AND FUSED TOGETHER AT CORNERS, INTERSECTIONS & SPLICES PER MFR. TO ENSURE WATER TIGHTNESS.

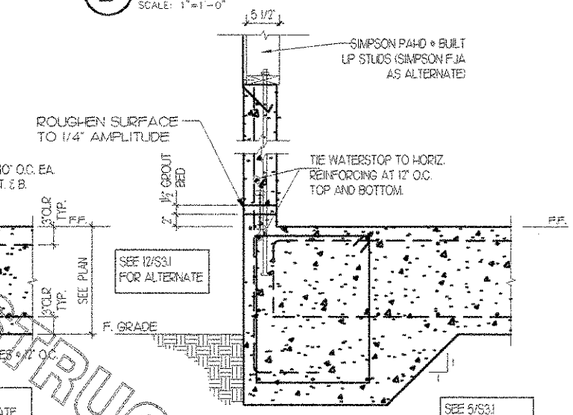
1 SLAB ON GRADE JOINTS
SCALE: NONE

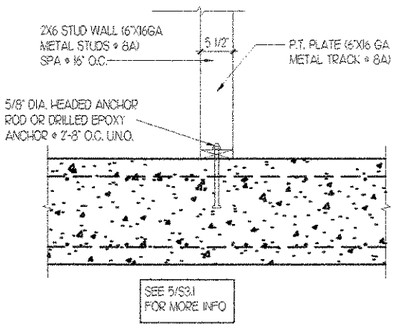


2 TYP. CONTINUITY CORNER
SCALE: NONE



3 HOLDDOWN DETAIL
SCALE: 1"=1'-0"

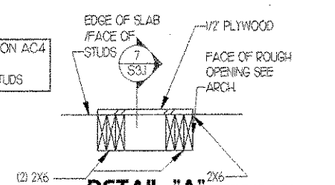




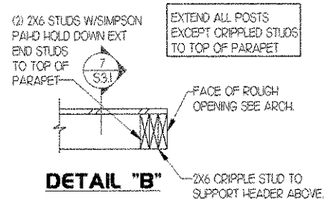
5 5A 5B SECTION @ EXTERIOR WALL
SCALE: 1" = 1'-0"

NOTE:

USE SIMPSON AC4 HANGER AT CRIPPLED STUDS

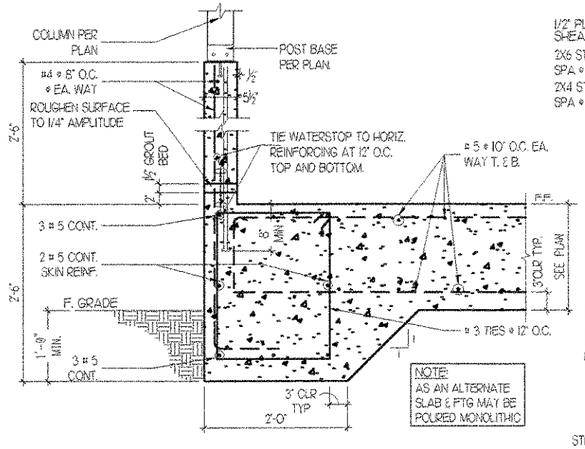


EXTEND ALL POSTS EXCEPT CRIPPLED STUDS TO TOP OF PARAPET



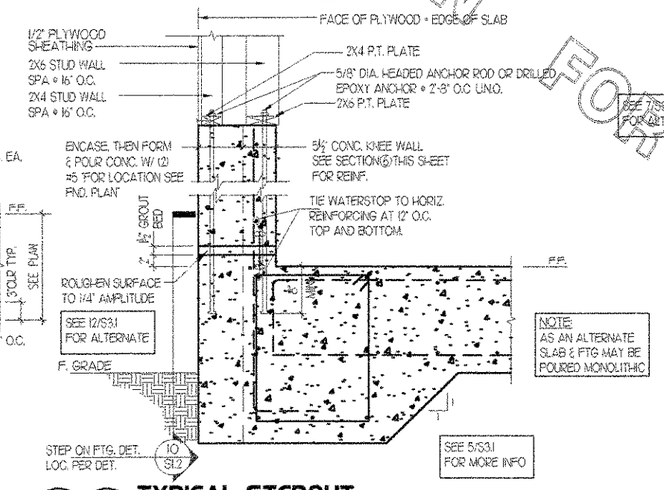
9 WALL DETAILS
SCALE: 1" = 1'-0"

6 6A SECTION @ EXTERIOR WINDOW
SCALE: 1" = 1'-0"



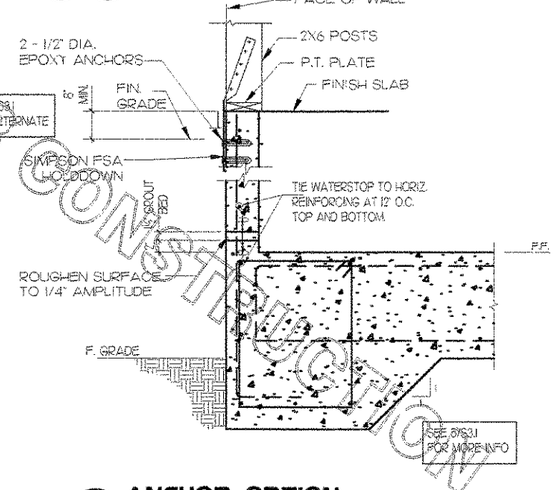
10 SECTION
SCALE: 1" = 1'-0"

7 SECTION @ EXTERIOR
SCALE: 1" = 1'-0"



11 11A TYPICAL STEPOUT
SCALE: NONE

8A 8 INTERIOR BEARING WALL FOOTING
SCALE: 1" = 1'-0"



12 ANCHOR OPTION
SCALE: 1" = 1'-0"

FOR CONSTRUCTION

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Mark	Date	By

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SHEET TITLE
SECTIONS AND DETAILS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

Sheet
S3.1

SHEARWALL SCHEDULE

SYMBOL	PLYWOOD	FAST-ENER	FAST-ENER MIN PENE	FASTENER SPACING (SEE NOTE 2) PANEL EDGES	FASTENER SPACING (SEE NOTE 2) FIELD	FRAMING MEMBER (SEE NOTE 6)	ANCHOR BOLTS SIZES & SPACING (SEE NOTE 1)	TOP CONNECTION (SIMPSON STRONG TIE)	SHEAR CAPACITY PLF	SEE DETAIL
1	1/2" STRUCT I APA RATED, EXT GRADE	10D NAIL	1 1/2"	4" O.C.	12" O.C.	2X6	5/8" DIA. A.B. @ 2'-8" O.C. MIN EMB=7"	A35 @ 6" O.C.	460	6/S3.2
2	1/2" STRUCT I APA RATED, EXT GRADE	#8 SCREW	1 1/2"	4" O.C.	12" O.C.	6" 16GA. STUDS	5/8" DIA. A.B. @ 4'-0" O.C. MIN EMB=7"	A35 @ 12" O.C.	513	8/S5.1
3	1/2" STRUCT I APA RATED, EXT GRADE	10D NAIL	1 1/2"	3" O.C.	12" O.C.	2X6 SEE NOTES	5/8" DIA. A.B. @ 2'-0" O.C. MIN EMB=7"	A35 @ 6" O.C. 16D @ 3" O.C.	600	6/S3.2

NOTE:
1. PROVIDE 1/2" THK STRUCT I PLYWOOD SHEATHING W/ 10D NAILS @ 6" O.C. @ PANEL EDGES. @ 12" O.C. @ FIELD AT EXT FACE FOR ALL EXTERIOR WALL @ EXTERIOR FACE (INCLUDING CANOPIES) NOT DESIGNATED AS SHEAR WALL.
2. PROVIDE 1/2" THK STRUCT I PLYWOOD SHEATHING W/ 8D NAILS @ 6" O.C. @ PANEL EDGES. @ 12" O.C. @ FIELD FOR EAVES AND CANOPY CEILING.
3. PROVIDE 1/4X2 1/2X2 1/2 STEEL WASHER AT ANCHOR BOLTS.
4. ALL WOOD STRUCTURAL PANEL DIAPHRAGM NAILS SHALL BE PLACED NOT LESS THAN 1/2 INCH FROM THE PANEL EDGES AND NOT LESS THAN 3/8 INCH FROM THE EDGE OF CONNECTING MEMBERS FOR SHEAR GREATER THAN 300 PLF.
5. PROVIDE 3X INTERMEDIATE AT PLYWOOD EDGES.
6. DESIGNATED HOLDOWN ANCHORS ARE 'SIMPSON STRONG TIE'.

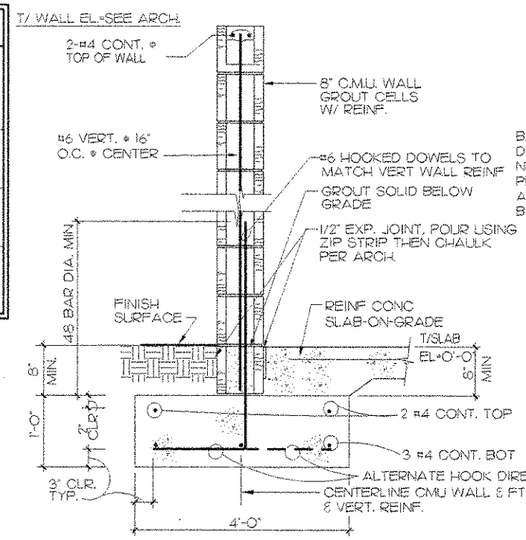
1 **SHEARWALL SCHEDULE**
SCALE: NONE

2 **NOT USED**

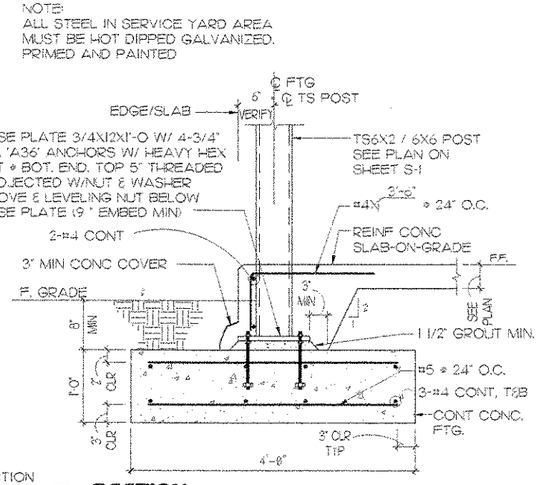
NAILING SCHEDULE

CONNECTION	FASTENER	NUMBER OR SPACING
JOIST TO BAND JOIST FACE NAIL	16D COMMON	3
JOIST TO SILL OR GIRDER TOE NAIL	8D COMMON	3
BRIDGING TO JOIST TOE NAIL EACH END	8D COMMON	2
LEDGER STRIP	16D COMMON	3 AT EACH JOIST
IX6 SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	8D COMMON	2
OVER IX6 SUBFLOOR TO EACH JOIST, FACE NAIL	8D COMMON	3
2-INCH SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	8D COMMON	2
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16D COMMON	16" O.C.
TOP OR SOLE PLATE TO STUD, END NAILED	16D COMMON	2
STUD TO SOLE PLATE, TOE NAIL	10D COMMON	4
DOUBLED STUDS, FACE NAIL	10D COMMON	24" O.C.
DOUBLED TOP PLATES, FACE NAIL	10D COMMON	16" O.C.
TOP PLATES, LAP AND INTERSECTIONS FACE NAIL	----	2-16D OR 3-10D COMMON
CONTINUOUS HEADER, TWO PIECES	16D COMMON	16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATES, TOE NAIL	8D COMMON	3
CONTINUOUS HEADER TO STUD, TOE NAIL	8D COMMON	3
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	----	3-16D OR 4-10D COMMON
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	----	3-16D OR 4-10D COMMON
RAFTER TO PLATE, TOE NAIL	8D COMMON	3
1-INCH BRACE TO EACH STUD & PLATE, FACE NAIL	8D COMMON	2
IX8 SHEATHING OR LESS TO EACH BEARING, FACE NAIL	8D COMMON	2
OVER IX8 SHEATHING TO EACH BEARING, FACE NAIL	8D COMMON	3
BUILT-UP CORNER STUDS EACH BEARING, FACE NAIL	16D COMMON	24" O.C.
BUILT-UP GIRDERS & BEAMS, OF THREE MEMBERS	20D COMMON	32" O.C. AT TOP & BOTTOM & STAGGERED 2 ENDS & AT EACH SPLICE
2-INCH PLANKS	16D COMMON	2 EACH BEARING
STUDS TO SOLE PLATE, END NAIL	16D COMMON	2 EACH END

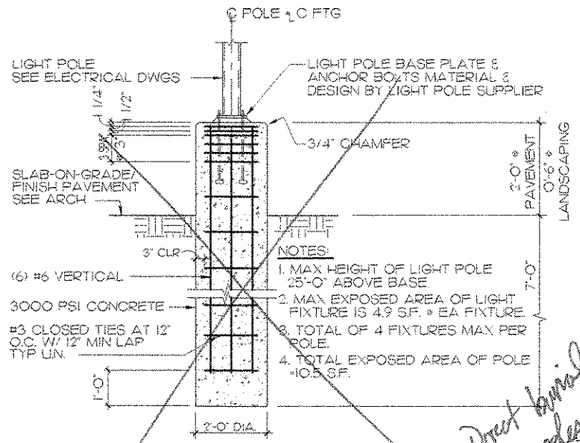
"PLYWOOD ROOF & WALL SHEATHING"		
1/2" OR LESS	6D COMMON	6" O.C. EDGES AND 12" O.C. INTERMEDIATE
19/32" OR GREATER	8D COMMON	6" O.C. EDGES AND 12" O.C. INTERMEDIATE
5/16", 1/2"	16 GA GALVANIZED WIRE STAPLES, 3/8" MINIMUM CROWN	4" O.C. EDGES AND 8" O.C. INTERMEDIATE
19/32", 3/4"	LENGTH OF PLUS PLYWOOD OR PARTICLEBOARD THICKNESS	2" O.C. EDGES AND 5" O.C. INTERMEDIATE
"FIBERBOARD AND GYPSUM SHEATHING"		
1/2" FIBERBOARD SHEATHING	1 1/2" GALVANIZED ROOFING NAIL 6D COMMON WALL	3" O.C. AT EDGES 6" O.C. AT OTHER BEARING
25/32" FIBERBOARD SHEATHING	1 3/4" GALVANIZED ROOFING NAIL 8D COMMON WALL	3" O.C. AT EDGES 6" O.C. AT OTHER BEARING
1/2" GYPSUM SHEATHING	11 GA 1 1/2" GALVANIZED 7/16" HEAD	4" O.C. AT EDGES 8" O.C. AT OTHER BEARING
5/8" GYPSUM SHEATHING	11 GA 1 3/4" GALVANIZED 7/16" HEAD	4" O.C. AT EDGES 8" O.C. AT OTHER BEARING
1/2" GYPSUM WALLBOARD	1 3/8" DRY-WALL NAIL	7" O.C. ON CEILING 8" O.C. ON WALLS
5/8" GYPSUM WALLBOARD	1 1/2" DRY-WALL NAIL	7" O.C. ON CEILING 8" O.C. ON WALLS



3 **SECTION**
SCALE: 1" = 1'-0"

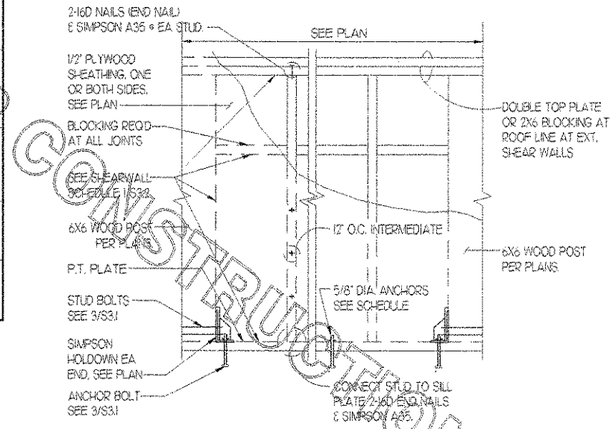


4 **SECTION**
SCALE: 1" = 1'-0"



Direct bayial cone. poles

5 **LIGHT POLE BASE DETAIL**
SCALE: NONE



6 **TYPICAL SHEARWALL**
SCALE: NONE

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SHEET TITLE
SECTIONS AND DETAILS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ____
Checked By: ____

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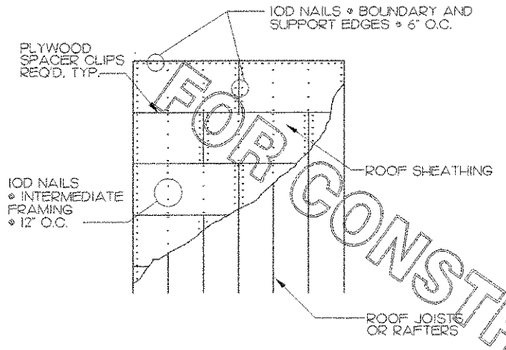
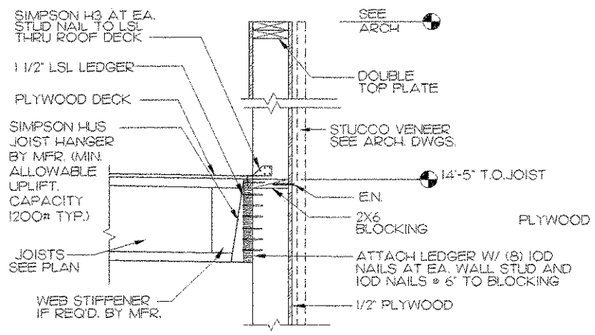


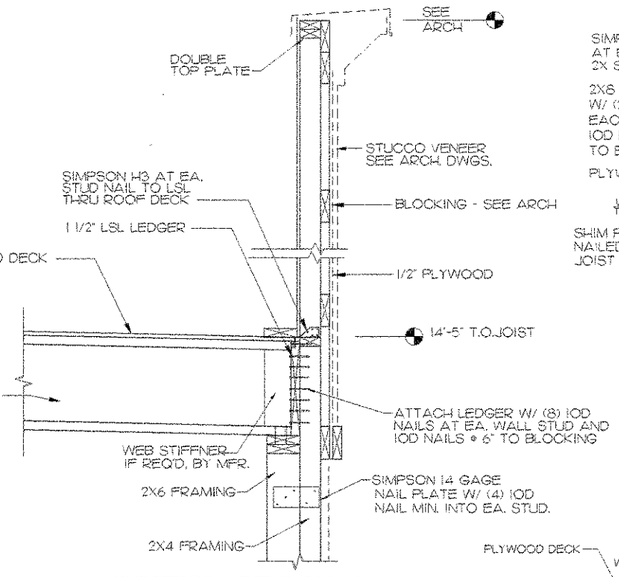
1 ROOF DIAPHRAGM NAILING

SCALE: NONE



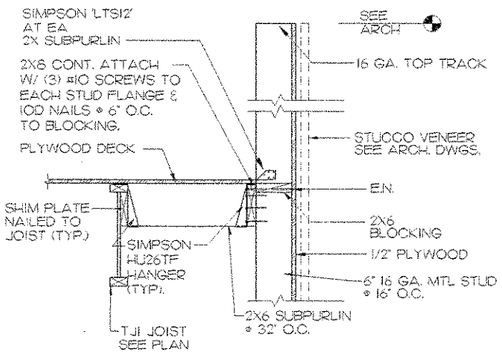
2 SECTION

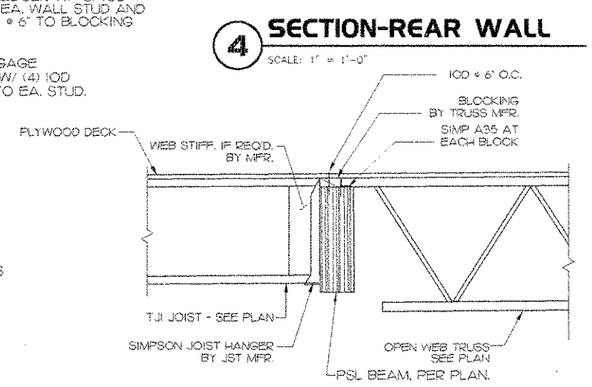
SCALE: 1" = 1'-0"



3 SECTION-SIDE WALL

SCALE: 1"= 1'-0"





4 SECTION-REAR WALL

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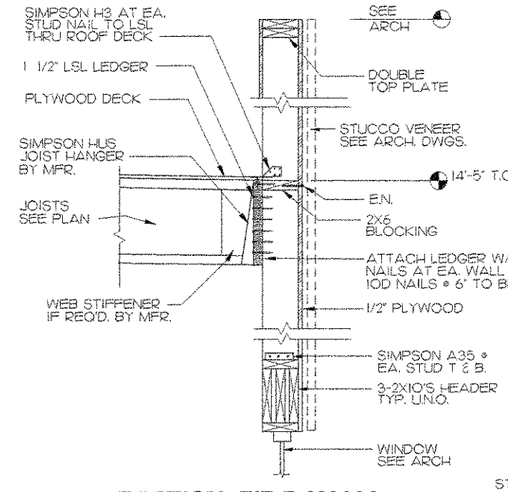
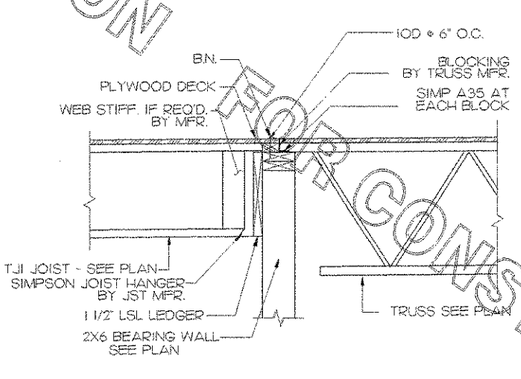


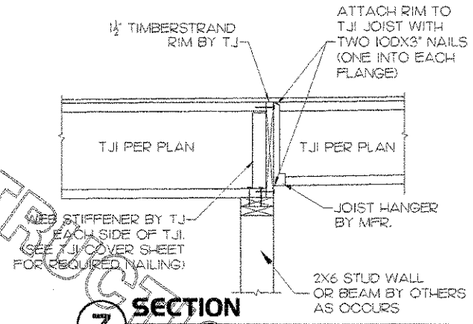
5 SECTION-SIDE WALL

SCALE: 1"= 1'-0"



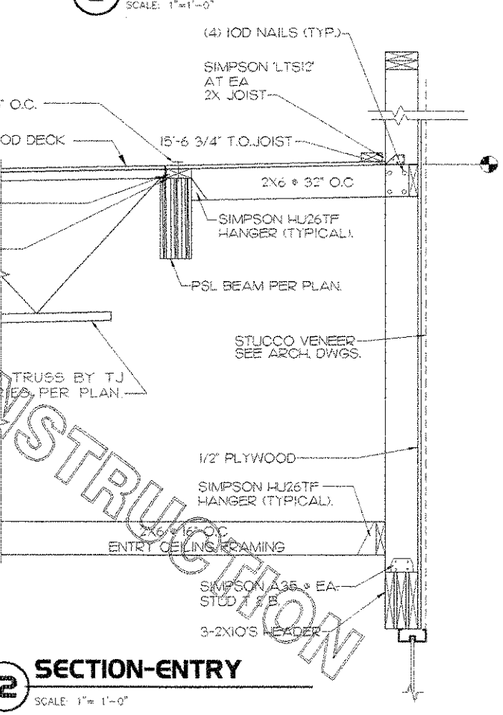
6 SECTION

SCALE: 1"=1'-0"



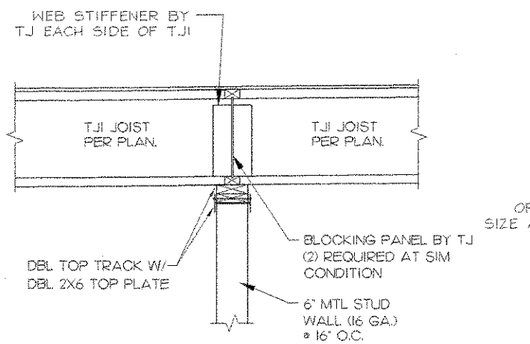
7 SECTION

SCALE: 1"=1'-0"



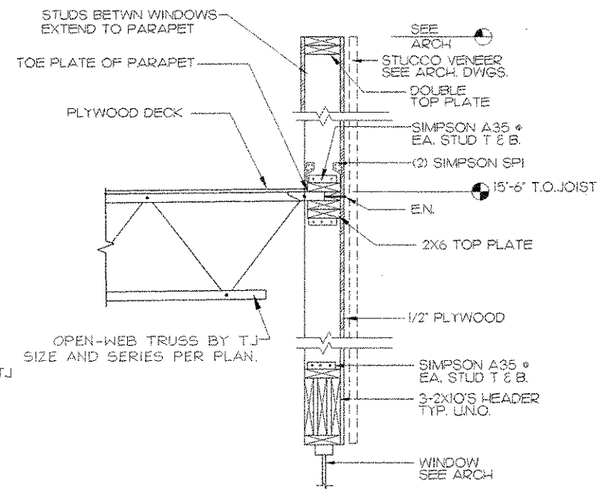
8 SECTION @ PSL BEAM

SCALE: 1"=1'-0"



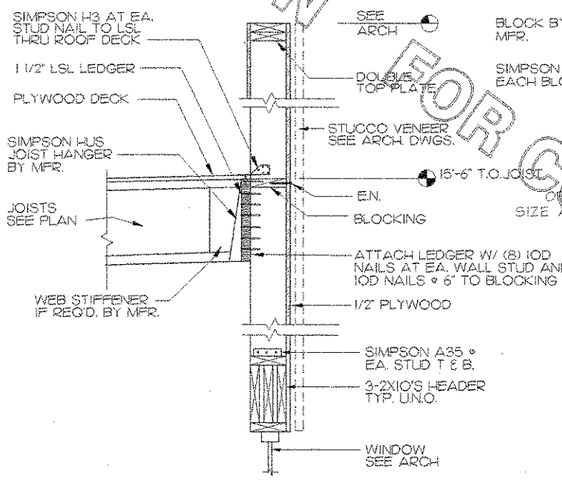
9 SECTION

SCALE: NONE



10 SECTION - SIDEWALL

SCALE: 1"=1'-0"



11 SECTION - SIDEWALL

SCALE: 1"=1'-0"

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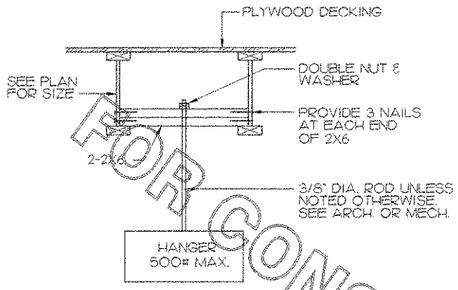
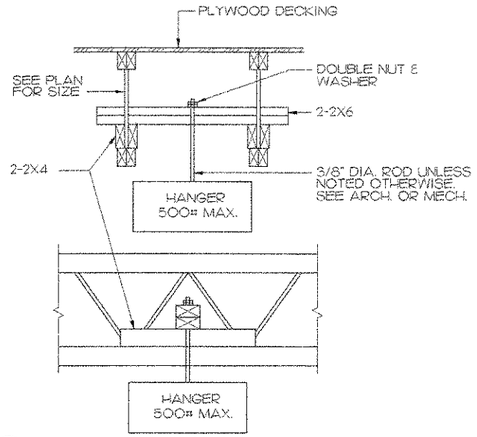


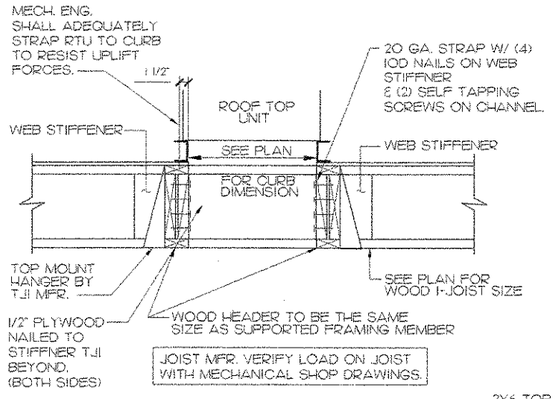
1 TYPICAL HANGER DETAIL

SCALE: NONE AT TJI JOISTS



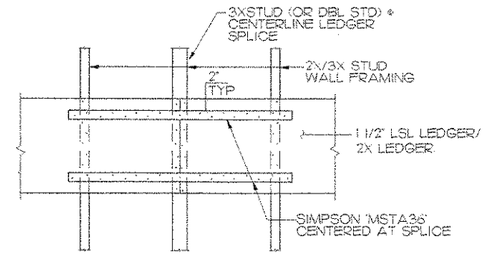
2 TYPICAL HANGER DETAIL

SCALE: NONE AT OPEN WEB TRUSSES



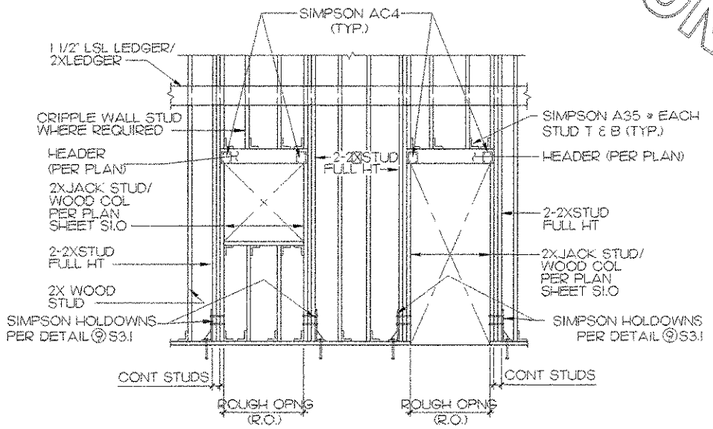
3 TYP RTU FRAMING DETAIL

SCALE: NONE



4 SPLICE DETAIL

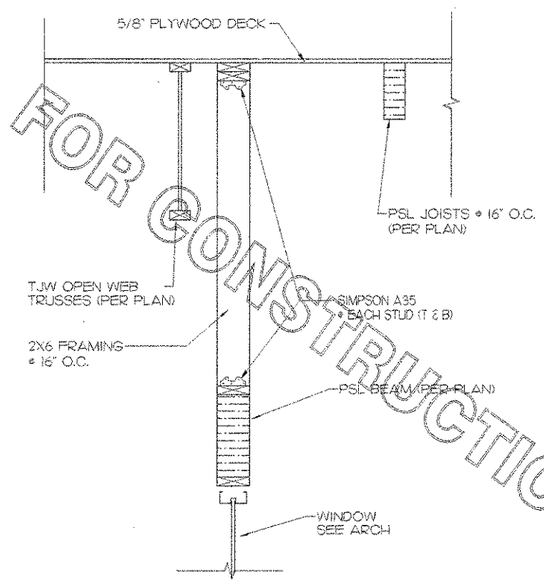
SCALE: NONE



5 TYPICAL FRAMING ELEVATION

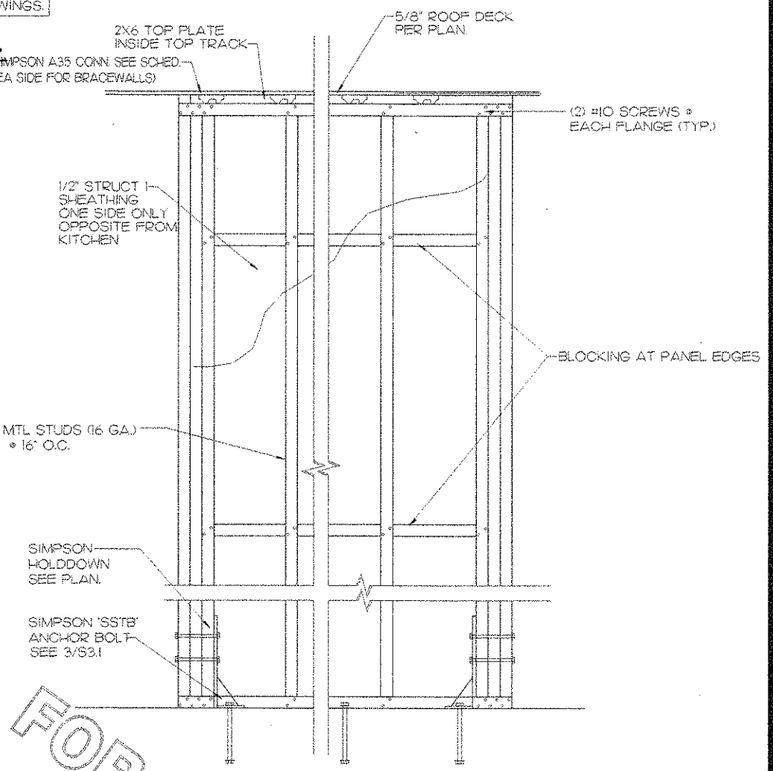
SCALE: NONE

SIMPSON 'SSTB' ANCHOR BOLT SEE 3/S3.1



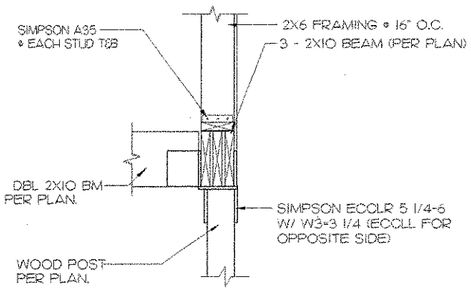
6 SECTION AT PLAY AREA

SCALE: 1" = 1'-0"



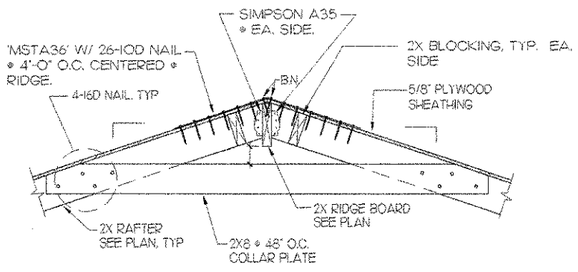
8 LIGHT GAGE SHEARWALL

SCALE: 1"=1'-0"



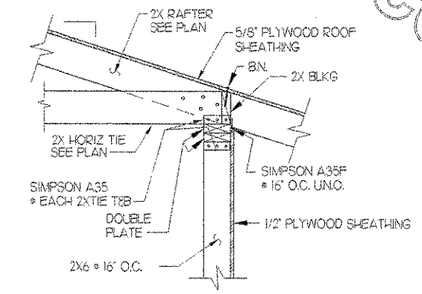
7 SECTION T.S. COLUMN

SCALE: 1" = 1'-0"



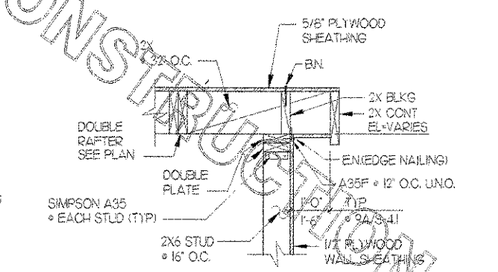
9 SECTION

SCALE: 1"= 1'-0"



10 SECTION

SCALE: 1"=1'-0"



11 SECTION

SCALE: 1"= 1'-0"

FOR CONSTRUCTION
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FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

Mark	Date	By

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INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FRAMING DETAILS

DWG EDITION 03.8

Job No. 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

Sheet
S5.1

DESIGN AND CODE INFORMATION

1. BUILDING STRUCTURE HAS BEEN DESIGNED TO THE FOLLOWING BUILDING CODES: FLORIDA BUILDING CODE, 2001 EDITION.
2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE LOCAL BUILDING CODE.
3. VERIFY EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ARCHITECT OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS BY THE CONTRACTOR.
4. CONTRACT DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS.
5. THE STRUCTURE IS UNSTABLE UNTIL ALL LOAD BEARING WALLS ARE ERECTED AND STEEL MEMBERS ARE ERECTED, CONNECTIONS ARE COMPLETELY BOLTED AND/OR WELDED AND INSPECTED, THE PLYWOOD DECK ATTACHED TO THE WOOD FRAMING, AND THE CONCRETE FLOORS PLACED AND ATTAINS 75% OF 28-DAY STRENGTH. UNTIL SUCH TIME, TEMPORARY BRACING IS REQUIRED. THE DESIGN ADEQUACY OF TEMPORARY BRACING AND SHORING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. FOR LOCATION OF MISCELLANEOUS ITEMS (OPENINGS, CENT PLATES, INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
7. STRUCTURAL DESIGN LOADS: FBC 2001 EDITION — LOCAL REQUIREMENTS: N/A

ROOF LOADS:
ROOF DEAD LOAD: 20 PSF - MAIN ROOF
20 PSF - TOWER
ROOF LIVE LOADS: 20 PSF - MAIN ROOF
16 PSF - TOWER

FBC 2001 - 1606.1.7		
1.	BASIC WIND SPEED	130 MPH
2.	WIND IMPORTANCE FACTOR	1.0
	BUILDING CATEGORY	II
3.	WIND EXPOSURE	C
4.	INTERNAL PRESSURE COEFFICIENT (ENCLOSED BUILDING)	±0.18
5.	COMPONENTS & CLADDING DESIGN WIND PRESSURE q_z	31.26 PSF

*q_z VALUE SHOWN IS PRIOR TO BEING MULTIPLIED BY GCP VALUE. GCP VARIES BASED ON EFFECTIVE WIND AREA.

SPECIAL INSPECTIONS AND TESTING

1. THE OWNER SHALL EMPLOY AN INDEPENDENT TESTING COMPANY TO PERFORM ON SITE INSPECTIONS AND TESTING OF FOUNDATIONS & SUITABILITY OF SUPPORTING SOILS & WOOD JOISTS.

STRUCTURAL OBSERVATIONS

1. THE OWNER SHALL EMPLOY A LICENSED STRUCTURAL ENGINEER OR ARCHITECT TO PERFORM PERIODIC VISUAL OBSERVATIONS OF THE STRUCTURE DURING CONSTRUCTION FOR GENERAL CONFORMANCE TO THE DESIGN DRAWINGS.

FOUNDATION NOTES

1. A GEOTECHNICAL ENGINEER, EMPLOYED BY THE GENERAL CONTRACTOR, SHALL PROVIDE COMPACT FILL REQUIREMENTS FOR THE BUILDING PAD AND REVIEW THE FOUNDATION BEARING SURFACE TO VERIFY THE ASSUMED BEARING PRESSURE NOTED. DO NOT PLACE CONCRETE PRIOR TO GEOTECHNICAL ENGINEER'S APPROVAL.
2. INDIVIDUAL FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2000 PSF. CONTINUOUS FOOTINGS ARE DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING 2000 PSF. DESIGN ASSUMES DIFFERENTIAL AND TOTAL SETTLEMENT ARE WITHIN ACCEPTED TOLERANCES FOR THE TYPE OF CONSTRUCTION USED. LIGHT POLE FOOTINGS ARE DESIGED BASED ON A MINIMUM OF 150 PSF/FT SOIL PASSIVE PRESSURE.
3. THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE BUILDING LIMITS BY A REGISTERED GEOTECHNICAL ENGINEER WHEN FOUNDATION EXCAVATIONS HAVE BEEN CARRIED DOWN TO THE PROPOSED ELEVATIONS. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 2'-0" MINIMUM BELOW FINISHED GRADE.
4. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3 INCH THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS PER GEOTECHNICAL ENGINEER RECOMMENDATIONS.
5. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.

REINFORCED CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," (ACI 318-LATEST CODE).
2. REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60).
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WITH WIRES CONFORMING TO ASTM A82.
4. THE COMPRESSIVE STRENGTH AT 28 DAYS OF ALL CAST IN PLACE CONCRETE SHALL BE: 3000 PSI - ALL CONCRETE (SEE CIVIL DRAWINGS FOR SITE CONCRETE STRENGTH REQUIREMENTS).
5. LAP SPLICES FOR REINFORCING BARS SHALL BE CLASS B IN ACCORDANCE WITH ACI 318 LATEST CODE, UNLESS NOTED OTHERWISE.
6. CLEAR CONCRETE COVER FOR REINFORCING STEEL:
   MASONRY WALLS — LOCATE IN CENTER OF WALL (U.N.O.)
   FOOTINGS — 2" FORMED EDGES; 3" CAST AGAINST GROUND
7. THE LONGITUDINAL REINFORCING STEEL IN BOND BEAMS, WALLS, AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. SEE TYPICAL DETAILS.
8. MECHANICAL VIBRATORS SHALL VIBRATE ALL CONCRETE.
9. UNLESS OTHERWISE DIRECTED BY THE OWNER, CONCRETE SLABS SHALL BE FINISHED TO THE FOLLOWING FLATNESS CRITERIA:

   SPECIFIED OVERALL F NUMBERS
   FLATNESS FF = 20
   LEVEL FL = 15

   MINIMUM LOCAL F NUMBERS
   FLATNESS FF = 15
   LEVEL FL = 10

CONCRETE MASONRY

1. REINFORCED CONCRETE MASONRY SHALL BE INSPECTED BY A TESTING AGENCY IN ACCORDANCE WITH ACI-530 TABLE 1.14.1.2-LEVEL 2 QUALITY ASSURANCE.
2. MASONRY WALL CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL DRAWINGS, BUT NOT TO EXCEED 25'-4"
3. CONCRETE MASONRY SHALL CONFORM TO THE NATIONAL CONCRETE MASONRY ASSOCIATION SPECIFICATIONS, AND HAVE A DENSITY OF 125 PCF AND SHALL HAVE A MINIMUM PRISM STRENGTH (F'M) OF 1500 PSI.
4. GROUT FOR FILLING CONCRETE MASONRY CELLS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR "MORTAR AND GROUT FOR REINFORCED MASONRY," ASTM C-476, AND SHALL HAVE A COMPRESSIVE PRISM STRENGTH (F'M) OF 3000 PSI AT 28 DAYS. THE SLUMP SHALL BE BETWEEN 9 INCHES AND 11 INCHES. WHERE THE MINIMUM DIMENSION OF ANY CONTINUOUS VERTICAL CELL IS 3 INCHES OR LESS, USE FINE GROUT, OTHERWISE USE COARSE (PEA GRAVEL) GROUT.
5. MORTAR FOR CONCRETE MASONRY SHALL BE TYPE 'S' AND SHALL CONFORM TO ASTM C-270.
6. MASONRY CONSTRUCTION SHALL BE BUILT IN LIFTS NOT TO EXCEED 4 FEET PRIOR TO GROUTING CORES. KEY NEXT GROUT LIFT INTO PRIOR LIFT BY STOPPING FIRST LIFT 2" BELOW TOP OF BLOCK.
7. ALL REINFORCING BARS IN FILLED CELLS SHALL BE DOWELED INTO FOOTINGS WITH STANDARD 90-DEGREE HOOKS AND DOWELED 7 INCHES INTO BOND BEAMS AT TOP OF WALLS.
8. MASONRY LAP SPLICES SHALL BE 48 BAR DIAMETERS (U.N.O.)
9. REINFORCEMENT IN WALLS SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED OTHERWISE.
10. JOINT REINFORCING - TRUSS TYPE, 9 GAUGE SPACED VERTICALLY AT 8" BELOW SLAB AND AT 16" UNLESS NOTED OTHERWISE AND CONFORM TO ASTM A82.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION ALLOWABLE STRESS DESIGN' NINTH EDITION.
2. STRUCTURAL STEEL ROLLED SHAPES SHALL BE ASTM A-36 UNLESS NOTED OTHERWISE. STRUCTURAL STEEL PLATES AND ANGLES SHALL BE ASTM A-36.
3. STRUCTURAL PIPE COLUMNS SHALL BE ASTM A-53, TYPE E OR S, GRADE B. STRUCTURAL TUBES SHALL BE ASTM A500, GRADE B.
4. STEEL FRAMING CONNECTIONS SHALL BE BOLTED OR WELDED. BOLTS SHALL BE 3/4 INCH DIAMETER MINIMUM AND SHALL BE ASTM A-325-N, UNLESS NOTED OTHERWISE.
5. USE DIRECT TENSION INDICATORS AND HARDENED WASHERS WITH ALL HIGH STRENGTH BOLTS OR USE LOAD INDICATOR BOLTS.
6. ANCHOR BOLTS SHALL BE ASTM A-307 HEADED BOLTS. MINIMUM ANCHOR BOLT EMBEDMENT SHALL BE 12 BOLT DIAMETERS UNLESS NOTED OTHERWISE. CLEAN ANCHOR BOLTS OF ALL GREASE, DIRT, ETC., BEFORE INSTALLATION.
7. FRAMED BEAM CONNECTIONS SHALL DEVELOP THE REACTION SHOWN FOR THE ENDS OF BEAMS ON STRUCTURAL PLANS. IN NO CASE SHALL THE LENGTH OF THE FRAMED CONNECTION BE LESS THAN 1/2 THE "T" DIMENSION OF THE BEAM WEB. WHERE REACTIONS ARE NOT SHOWN, THE CONNECTION SHALL DEVELOP ONE HALF THE ALLOWABLE UNIFORM LOAD FOR LATERALLY SUPPORTED BEAMS AS SHOWN IN PART 2 OF THE AISC MANUAL.
8. WELDS SHOWN ON THE STRUCTURAL DRAWINGS ARE THE MINIMUM REQUIRED BY DESIGN. THE FABRICATOR'S DRAWINGS SHALL SHOW WELDS AND THEY SHALL CONFORM TO AWS SPECIFICATIONS. ALL WELDING SHALL BE DONE WITH E-70XX SERIES ELECTRODES.
9. HARDENED WASHERS SHALL BE INSTALLED OVER SHORT SLOTTED OR OVERSIZE HOLES OCCURRING IN AN OUTER PLY OF A CONNECTION.
10. PAINT ALL STRUCTURAL STEEL WITH ONE COAT OF RED OXIDE RUST-INHIBITIVE PRIMER 2.5 MILS IN THICKNESS. THE COMPATIBILITY OF PRIMER AND ANY TOP COAT SHALL BE VERIFIED BEFORE ANY PAINTING IS PERFORMED. TOUCH-UP ALL EXPOSED METAL AFTER FIELD INSTALLATION. ALL STRUCTURAL STEEL WHICH IS EXPOSED TO THE ELEMENTS SHALL RECEIVE TWO COATS OF EXTERIOR ENAMEL WHICH IS COMPATIBLE WITH THE PRIMED SURFACE.
11. SUBMIT SHOP DRAWINGS CONFIRMING THAT THE CONNECTIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE AISC CODES SPECIFIED HEREIN. THE SHOP DRAWINGS SHALL INCLUDE COMPLETE DETAILS AND SCHEDULES FOR FABRICATION AND ASSEMBLY OF STRUCTURAL STEEL MEMBERS. SHOP DRAWINGS SHALL INCLUDE NUMBER, SPACING, AND DISTANCE FROM BEAM CENTERLINE OF SHEAR STUDS. SUBMIT ONE REPRODUCIBLE SEPIA AND TWO BLUELINE PRINTS OF EACH DRAWING. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.

WOOD JOISTS

1. ROOF JOISTS SHALL BE DESIGNED TO SUPPORT THE FOLLOWING LOADS:
   20 PSF DEAD LOAD
   20 PSF LIVE LOAD
2. IN ADDITION TO THE UNIFORM LOADING SPECIFIED FOR JOISTS DESIGN, THE JOISTS SUPPLIER SHALL INCLUDE ANY CONCENTRATED LOADS CAUSED BY ARCHITECTURAL FEATURES OR MECHANICAL EQUIPMENT IN THE JOISTS DESIGN.
3. SEE ARCHITECTURAL DRAWINGS FOR BEARING CONDITIONS AND DIMENSIONS OF JOISTS.
4. CATALOG JOIST SHOP DRAWINGS INCLUDING CONNECTIONS AND LAYOUT SHALL BE SUBMITTED FOR REVIEW.
5. JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.
6. UNLESS NOTED OTHERWISE ON DRAWINGS, JOISTS SUPPLIER SHALL BE RESPONSIBLE FOR DESIGNING AND SUPPLYING ALL TEMPORARY AND PERMANENT BRACING REQUIRED BY DESIGN, ALL JOIST-TO-JOIST CONNECTIONS, AND ALL UPLIFT CONNECTIONS AT BEARING LOCATIONS.

LUMBER FRAMING

1. ALL NON-PREFABRICATED LOAD BEARING FRAMING MEMBERS SHALL BE #1 SOUTHERN YELLOW PINE 19% MOISTURE CONTENT UNLESS OTHERWISE NOTED.
2. STUDS IN LOAD BEARING WALLS MAY BE DOUGLAS FIR, SOUTHERN YELLOW PINE OR SPRUCE (#1 OR BETTER), UNLESS NOTED OTHERWISE.
3. ALL PLYWOOD SHEATHING SHALL BE APA RATED, SEE PLAN.
4. LVL AND PSL LUMBER SHALL BE MICRO=LAM OR PARALLAM LUMBER AS MANUFACTURED BY TRUS JOIST.
5. WOOD I JOIST SHALL BE MANUFACTURED BY TRUS JOIST.
6. WOOD CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE CONNECTORS, INC.

COLD-FORMED METAL FRAMING

1. ALL FRAMING MEMBERS SHALL BE OF TYPE AND SIZE SHOWN OR EQUAL ON THE DRAWINGS AND SPECIFICATIONS.
2. ALL FRAMING MEMBERS SHALL BE MANUFACTURED FROM GALVANIZED STEEL.
3. GALVANIZED STEEL USED IN THE MANUFACTURE OF JOISTS, STUDS AND LINTELS SHALL CONFORM TO ASTM DESIGNATION A446 GRADE C (MINIMUM YIELD POINT 50,000 PSI) WITH HOT DIPPED GALVANIZED COATING.
4. GALVANIZED STEEL RUNNER TRACK AND MISCELLANEOUS ACCESSORIES SHALL BE FORMED WITH MATERIAL MEETING REQUIREMENTS OF ASTM DESIGNATION A446 GRADE A (MINIMUM YIELD POINT 33000 PSI) WITH HOT DIPPED GALVANIZED COATING.
5. STRUCTURAL DESIGN SHALL BE IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
6. CARE SHALL BE EXERCISED AT ALL TIMES TO AVOID DAMAGE THROUGH CARELESS HANDLING DURING UNLOADING, STORING, AND ERECTION OF FRAMING MEMBERS AND SUB-ASSEMBLIES.
7. THE ENDS OF JOISTS SHALL BE REINFORCED TO ADEQUATELY STIFFEN THE JOIST WEB AND TO TRANSFER THE LOADS TO THE SUPPORTS. MINIMUM END BEARING SHALL BE 1-1/2 INCHES.
8. STUDS SHALL SIT SQUARELY IN THE TOP AND BOTTOM RUNNER TRACK WITH FIRM ABUTMENT AGAINST TRACK WEBS. STUDS SHALL BE ALIGNED OR PLUMBED AND SECURELY FASTENED TO THE FLANGES OF BOTH TOP AND BOTTOM RUNNER TRACK. STUDS SHALL BE POSITIONED IN RUNNER TRACK SO AS TO BE ALIGNED DIRECTLY BELOW FLOOR, ROOF OR CEILING FRAMING MEMBERS OVERHEAD. IF UNABLE TO CENTER AND DIRECTLY TRANSFER LOADS FROM FLOOR OR ROOF FRAMING (SUCH AS AT OPENINGS) TO THE STUDS, LINTELS SHALL BE PROVIDED.
9. JOINING OF FRAMING MEMBERS SHALL BE MADE WITH SELF-DRILLING SCREWS OR WELDING. WIRE TYING OF FRAMING MEMBERS IN STRUCTURAL APPLICATIONS SHALL NOT BE PERMITTED.
10. HORIZONTAL STEEL STRAPPING, WHEN REQUIRED BY THE APPLICABLE TABLES, SHALL BE A) FASTENED TO THE BOTTOM FLANGE OF THE STEEL JOIST AND B) ATTACHED TO BOTH SIDES OF ALL STUDS. STRAPPING SHALL BE INSTALLED AND SECURELY ANCHORED TO SUITABLE RESTRAINING COLUMNS OR WALLS PRIOR TO THE ERECTION OF STRUCTURE ABOVE.
11. SPLICES IN STEEL JOISTS AND STUDS SHALL NOT BE PERMITTED.
12. DURING ERECTION, THE BUILDER SHALL PROVIDE MEANS OF ADEQUATE DISTRIBUTION OF CONCENTRATED LOADS SO THAT THE LOAD CARRYING CAPACITY OF ANY STEEL FRAMING MEMBER IS NOT EXCEEDED.

FOR CONSTRUCTION
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Chick-fil-A
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STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
GENERAL NOTES

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

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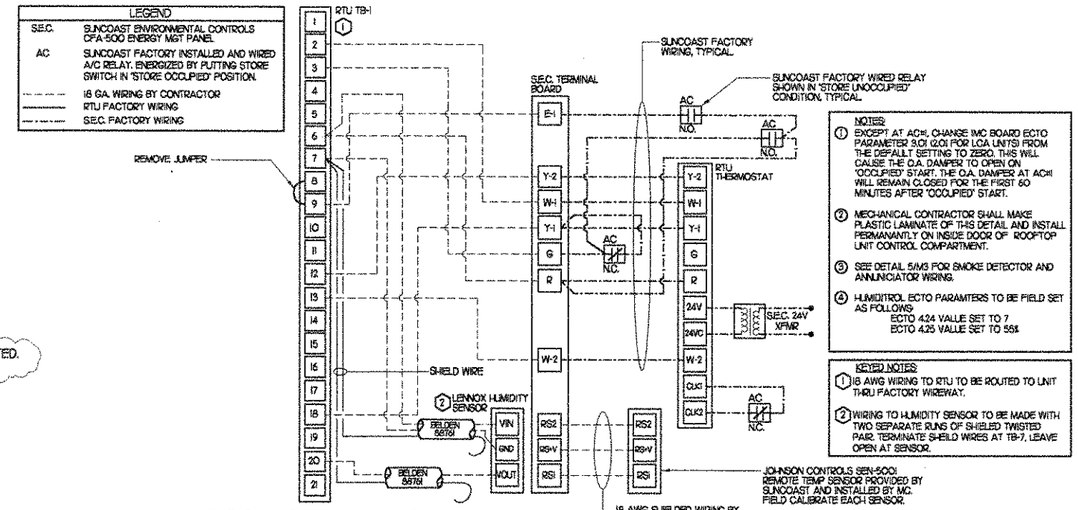
S6.1

LEGEND

A-12-400	TYPE - NECK SIZE - CFM	EF#1	EXHAUST FAN #1 (TYP.)
	SPIN-IN FITTING WITH MANUAL BALANCING DAMPER, WITHOUT SCOOP	AC#1	AIR CONDITIONING UNIT #1 (TYP.)
	SPIN-IN HARD ϕ FLEXIBLE ϕ DIFFUSER		RETURN/EXHAUST (TYP.)
S	REMOTE TEMPERATURE SENSOR		SUPPLY DIFFUSER, SQ FACE (TYP.)
H	HUMIDITY SENSOR	1	PLAN NOTE REFERENCE
SD	SMOKE DETECTOR		MANUAL VOLUME DAMPER
12X18	DUCT SIZE 1ST NUMBER - HORIZONTAL DIMENSION 2ND NUMBER - VERTICAL DIMENSION		DIRECTION OF THROW ON DIFFUSER

KEY NOTES

1. MOUNT REMOTE SENSOR ON WALL AT 5'-0" AFF AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL.
2. AIR CURTAIN MOUNTED OVER DOOR HEADER AT 7'-5" AFF TO BOTTOM OF UNIT. LOCATE PLUNGER TYPE MICROSWITCH IN DOOR FRAME ON STRIKE SIDE.
3. BRANCH TAKE-OFFS ARE NOT TO BE LOCATED CLOSER THAN 3'-0" FROM THE ELBOW AT THE SUPPLY AIR DROP FROM CURB.
4. MOUNT LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
5. MOUNT REMOTE SENSOR FOR PLAYGROUND ABOVE DOOR FRAME NEAR THE RETURN AIR GRILLES. ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL.
6. TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. PROVIDE TURNING VANES IN ELBOW.
7. TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. NO TURNING VANES IN ELBOW.
8. ALL DUCT WORK SHALL BE SHEET METAL. DUCT BOARD IS NOT PERMITTED.

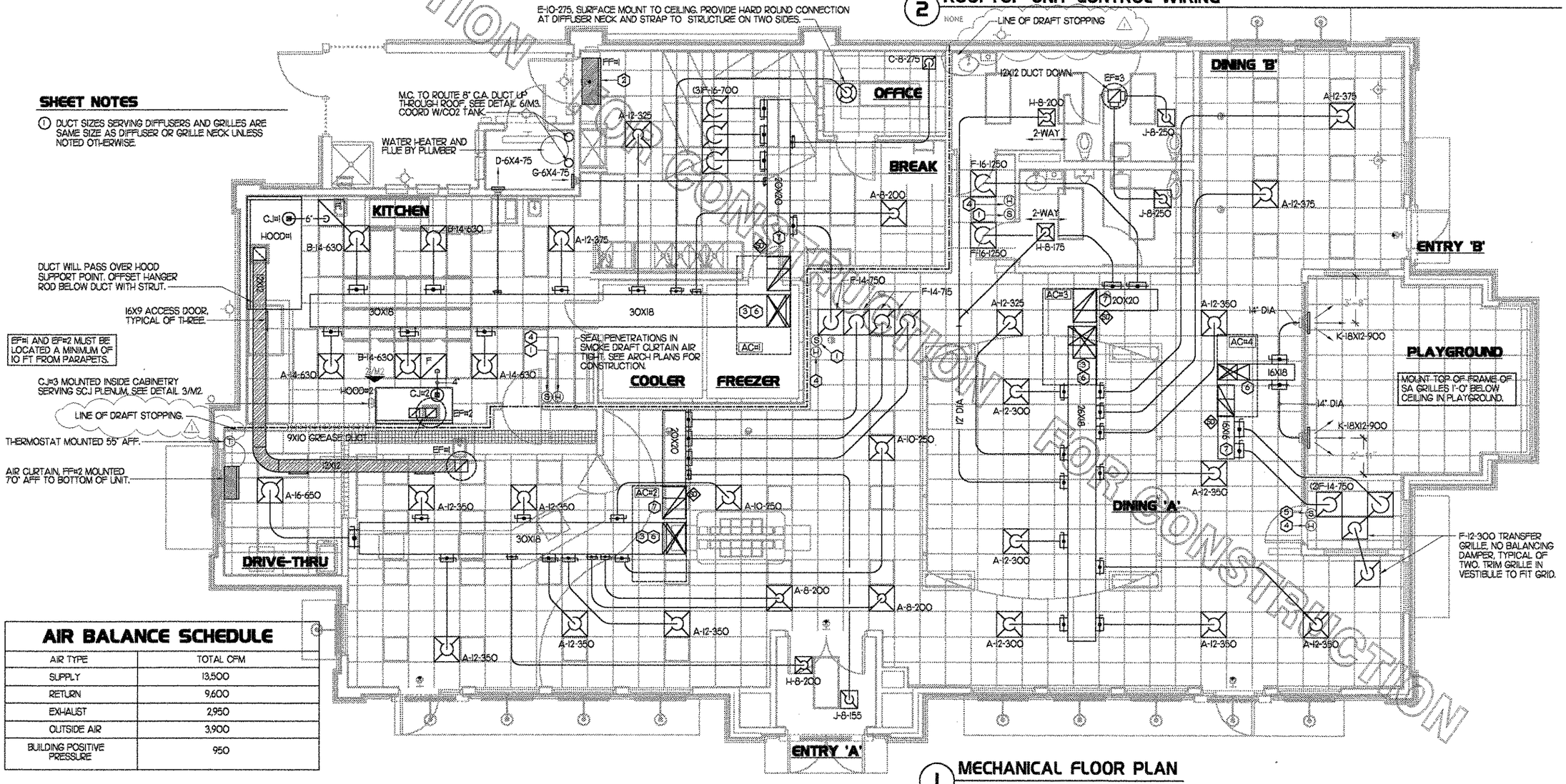


2 ROOFTOP UNIT CONTROL WIRING

NONE

SHEET NOTES

1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.



AIR BALANCE SCHEDULE

AIR TYPE	TOTAL CFM
SUPPLY	13,500
RETURN	9,600
EXHAUST	2,950
OUTSIDE AIR	3,900
BUILDING POSITIVE PRESSURE	950

1 MECHANICAL FLOOR PLAN

1/4"=1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rea
	COORD. REVISIONS	

Mark	Date	By

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SHEET TITLE
MECHANICAL
FLOOR PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
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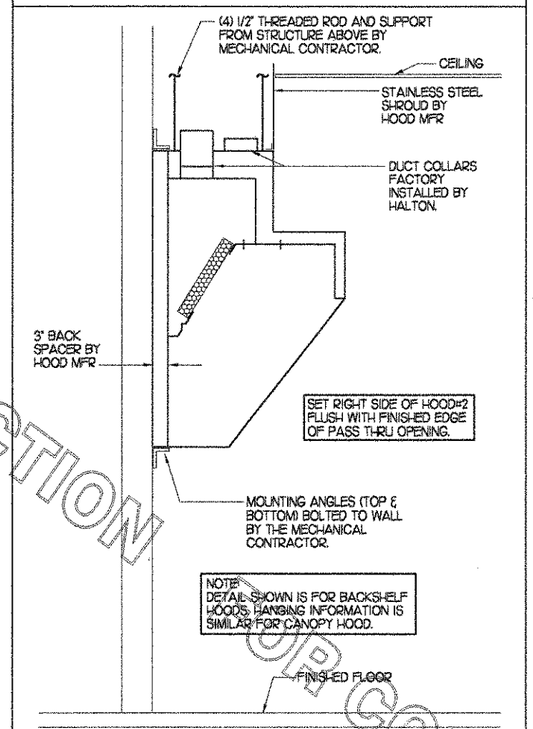
Drawn By : ____
Checked By: ____

Sheet
M-1.0

KITCHEN HOOD SYSTEMS NOTES

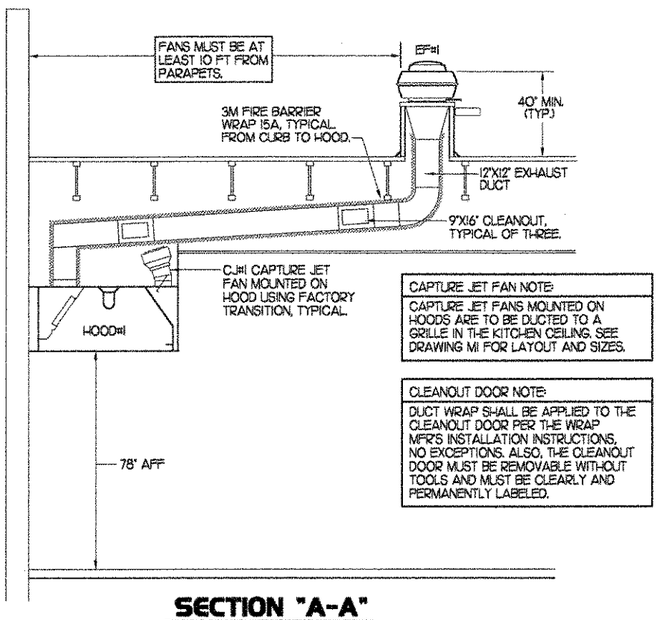
1. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT WITH HALTON CO. FOR THE HOODS. CHICK-FIL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 FOR MORE INFO.
2. REFER TO 'PART 2 CONTROLS' OF THE MECHANICAL SPECIFICATIONS FOR DIFFERENTIATION BETWEEN CONTROL AND POWER WIRING RESPONSIBILITIES.
3. ANY CONTACTORS OR WIRING REQUIRED FOR SHUT-OFF OF ELECTRIC COOKING EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. ALL ROOF CURBS SHALL BE SHIMMED LEVEL.
5. ROOF CURBS FOR EXHAUST SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 'NATIONAL ROOFING CONTRACTORS ASSOCIATION' GUIDELINES, AND THE ROOFING SUPPLIER'S DETAILS AND GUIDELINES FOR THE SPECIFIC ROOFING MATERIALS USED. ALL CURB INSULATION SHALL BE SUPPLIED AND INSTALLED BY ROOFING CONTRACTOR.
6. THE GENERAL CONTRACTOR SHALL PROVIDE ALL ROOF CUT OPENINGS AND OTHER STRUCTURAL REQUIREMENTS FOR THE INSTALLATION OF ALL ROOF EQUIPMENT. REFER TO STRUCTURAL FRAMING PLAN FOR EQUIPMENT LOCATION DIMENSIONS.
7. THE FIRE SUPPRESSION SYSTEM SHALL CONSIST OF A COMPLETE WET ANSUL SYSTEM FURNISHED BY HALTON. THE HOOD SHALL BE FURNISHED PRE-PIPED BY HALTON. COMPONENTS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF NFPA-96, NFPA-17A, ALL APPLICABLE STATE AND FEDERAL CODES AND STANDARDS.
8. THE R-102 ANSUL FIRE SUPPRESSION SYSTEM EXTERNAL TO THE HOODS SHALL BE INSTALLED IN ACCORDANCE WITH HOOD MANUFACTURER'S SHOP DRAWINGS BY AN AUTHORIZED ANSUL SYSTEM INSTALLER HIRED BY HALTON.
9. PORTABLE FIRE EXTINGUISHERS IN THE KITCHEN SHALL BE PROVIDED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH NFPA-10 AND LOCAL REQUIREMENTS.
10. OUTLETS OF EXHAUST FANS SHALL BE AT LEAST 40 INCHES ABOVE ROOF LINE.
11. EXHAUST FANS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY FRESH AIR INTAKE. MEASUREMENT SHALL BE MADE USING STRETCHED STRING METHOD.
12. HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS AS PER NFPA-96.
13. TURNS IN GREASE EXHAUST DUCTWORK SHALL BE LONG RADIUS TYPE, WITH A CENTERLINE RADIUS R-3W/2, NO EXCEPTIONS ALLOWED. NO MITERED FITTINGS ALLOWED.
14. HOODS AND ASSOCIATED DUCTWORK SHALL BE INSTALLED PER NFPA 96 AND LOCAL CODES.
15. ALL STAINLESS STEEL SHROUDS SHALL BE SUPPLIED BY HOOD MANUFACTURER AND INSTALLED BY THE GENERAL CONTRACTOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
16. HOODS, FANS AND ACCESS DOORS SHALL BE LISTED BY UNDERWRITERS INC. AND SHALL MEET REQUIREMENTS OF NFPA-96.
17. ACCESS DOORS SHALL BE REMOVABLE WITHOUT USE OF TOOLS AND BE PROVIDED WITH GASKET SEAL.
18. SLOPE ALL GREASE EXHAUST DUCT BACK TO HOOD AT 1/4" PER FOOT OF RUN.
19. WRAP NEW GREASE DUCT WITH 3M FIRE BARRIER 15A. ACCESS DOORS SHALL BE INSTALLED ACCORDING TO 3M FIRE BARRIER PRODUCTS INSTALLATION MANUAL.

SIDE VIEW OF HOOD



HOOD SCHEDULE

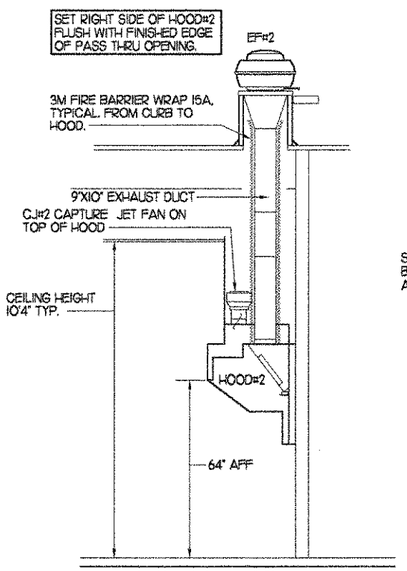
MARK	EXHAUST CFM	SP @ TAB PORT	CAPTURE JET CFM & S.P.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	MANUFACTURER	MODEL	REMARKS
HOOD#1	1,500	.23"	102 @ 0.72"	CANOPY	12"X12"	105"	51"	24"	HALTON	KVE	1,2,3,4,5,6,7,8,9
HOOD#2	950	.23"	48 @ 0.30"	BACK SHELF	9"X10"	72"	34"	48"	HALTON	KVL	1,2,4,5,9,10
NOTES	DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (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) PROVIDE 3" BACK SPACER. 6) PROVIDE 3" RIGHT SIDE SPACER. 7) PROVIDE PARTIAL SIDE SKIRT ON LEFT SIDE. 8) PROVIDE BLANK-OFF PLATE FOR SWITCH COVER. 9) PROVIDE TOP PLENUM CAPTURE JET FAN, SPEED CONTROLLER AND COLLAR. 10) PROVIDE COUNTER MOUNTED SIDE CAPTURE JET PLENUM ASSEMBLY AND FAN.										



SECTION "A-A"

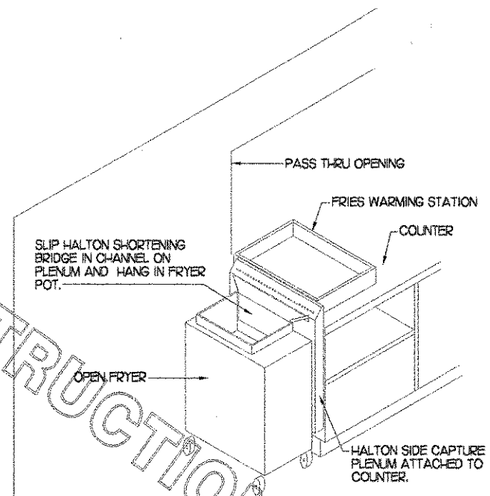
CAPTURE JET FAN NOTE:
CAPTURE JET FANS MOUNTED ON HOODS ARE TO BE DUCTED TO A GRILLE IN THE KITCHEN CEILING. SEE DRAWING M1 FOR LAYOUT AND SIZES.

CLEANOUT DOOR NOTE:
DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS, NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

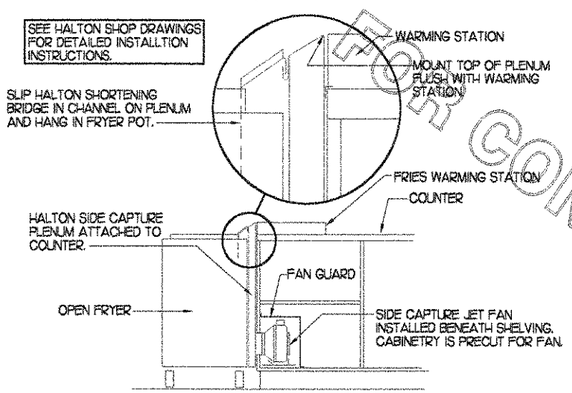


SECTION "B-B"

3 HOOD ELEVATIONS
NONE

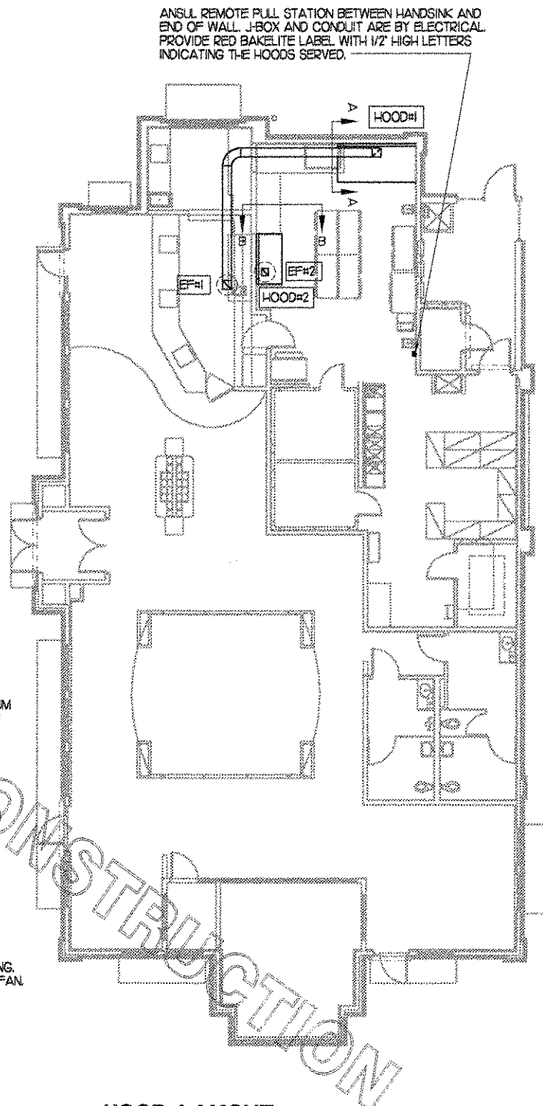


ISOMETRIC VIEW



FRONT VIEW

2 HALTON SIDE CAPTURE JET PLENUM
NOT TO SCALE



1 HOOD LAYOUT
1/8"=1'-0"

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Revisions:

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ST. PETE BEACH, FL

SHEET TITLE
HOOD DETAILS & SCHEDULES

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
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Drawn By :
Checked By:

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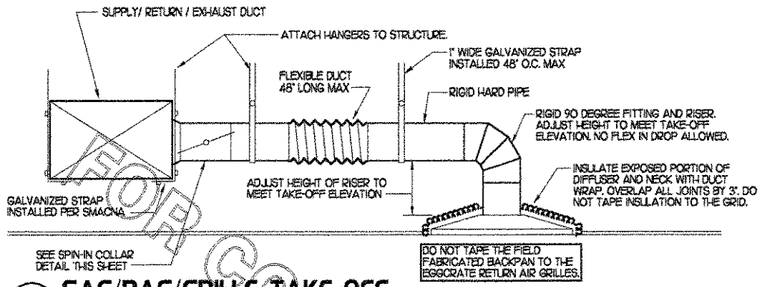
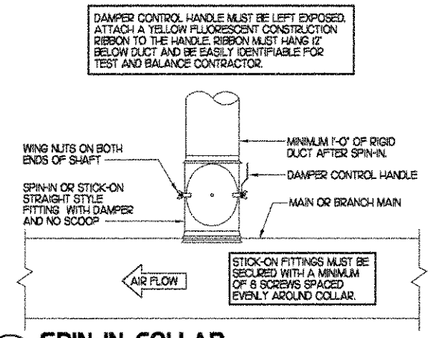


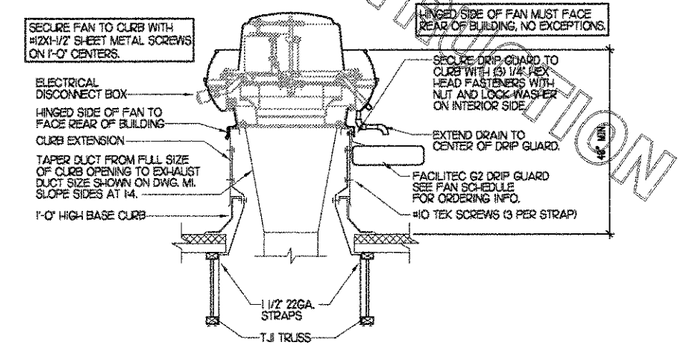
1 SAG/RAG/GRILLE TAKE-OFF

NO SCALE



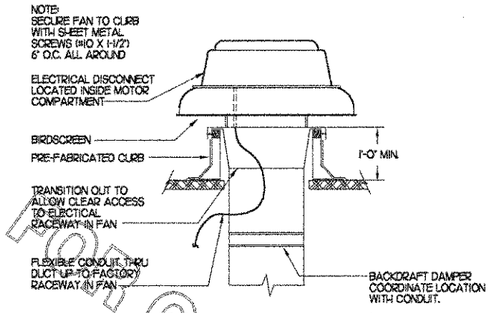
2 SPIN-IN COLLAR

NO SCALE



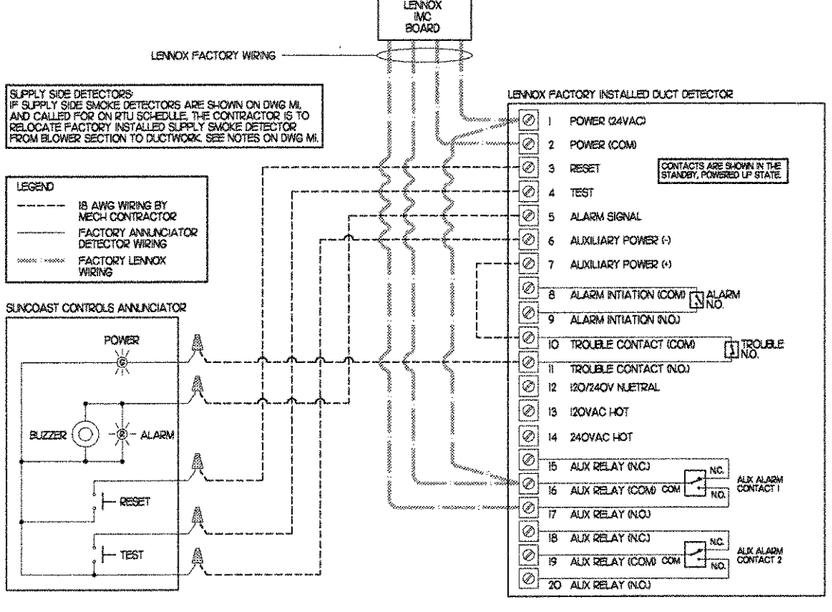
3 TYPICAL FAN TIE-DOWN SYSTEM DETAIL

NO SCALE



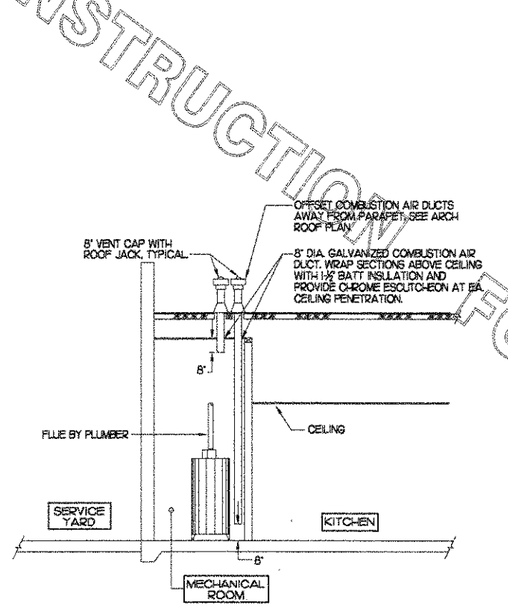
4 RESTROOM EXHAUST FAN

NO SCALE



5 SMOKE DETECTOR AND ANNUNCIATOR WIRING DIAGRAM

NO SCALE



6 WATER HEATER VENT/C.A. ROUTING

NO SCALE

GAS FIRED ROOFTOP UNIT SCHEDULE

MARK	COOLING CAPACITY (MBH)			HEATING CAPACITY (MBH)		FAN SECTION (CFM)				MODEL	MANUFACTURER	REMARKS
	TOTAL	SENS	EAT DB/WB	INPUT	OUTPUT	SUPPLY	O.A.	HP	ESP			
AC#1	145.6	99.0	80/67	235.0	188.0	4,400	1,200	3	.70	LGC150S2BH	LENNOX	1,3,5,6,7,8,9,10,11,12,13,14,15
AC#2	125.0	93.9	81.9/66.7	235.0	188.0	3,500	1,200	3	.65	LGA120H2BH	LENNOX	2,3,5,7,8,9,10,11,12,13,14,15
AC#3	141.5	100.9	81.3/66.4	235.0	188.0	3,800	1,200	3	.70	LGC150S2BH	LENNOX	1,3,5,6,7,8,9,10,11,12,13,14,15
AC#4	60.7	46.9	78.5/64.6	125.0	100.0	1,800	300	1.5	.65	LGA060H2BH	LENNOX	3,4,5,7,8,9,10,11,12,13,14,15
NOTES	COOLING CAPACITIES ARE GROSS, BASED ON OUTDOOR 95°FDB											
REMARKS	1) PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST. 2) PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST. 3) PROVIDE 14" HIGH ROOF CURB. 4) PROVIDE O-HOA MOTORIZED OUTSIDE AIR DAMPER ASSEMBLY. 5) SEE DETAIL 2/M1 FOR SETTING OF ECTO PARAMETERS BY MC. 6) PROVIDE FACTORY INSTALLED 115V GFI SERVICE OUTLET. 7) SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS PRIOR TO ORDERING EQUIPMENT. 8) PROVIDE FACTORY INSTALLED RETURN SIDE SMOKE DETECTOR. 9) PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT. 10) PROVIDE COIL HAIL GUARD ON FL, TX AND OK PROJECTS. 11) PROVIDE 2" FARR 30/30 THROW AWAY FILTERS. 12) PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS AND CONTROL COMPARTMENT ACCESS. 13) ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL AS RECOMMENDED BY MANUFACTURER. 14) PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR (STATES OF CA AND AZ EXCLUDED). 15) PROVIDE WITH "THYCURB" UNIT/CURB ATTACHMENT BRACKETS. INSTALL PER MANUFACTURES RECOMMENDATIONS.											

EXHAUST FAN SCHEDULE

MARK	CFM	ESP	RPM	TIP SPEED (FPS)	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
EF#1	1,500	0.75	1200	105	3/4	HOOD#1	NBRTD-140A	JENN	1,2,3,4,9
EF#2	950	0.60	950	91	3/4	HOOD#2	NBRTD-140A	JENN	1,2,3,4,9
EF#3	500	.375	1083	58	1/4	RESTROOMS	RED1025S	JENN	2,5,6,7,8,9
NOTES	GREASE EXHAUST FAN RPM BASED ON 78 DEGREE F AIR AT SEA LEVEL.								
REMARKS	1) PROVIDE FACTORY 1'-0" BASE CURB AND EXTENSION. 2) PROVIDE FACTORY NON-FUSED DISCONNECT. 3) PROVIDE FACTORY INSTALLED HINGED BASE KIT. 4) PROVIDE AND INSTALL FACILITEC G2 DRIP GUARD. DRIP GUARD SHALL BE ORDERED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE COST OF THE DRIP GUARD IS BILLED TO CFA DIRECTLY BY FACILITEC. THE MECHANICAL CONTRACTOR IS TO CONTACT FACILITEC AT 800-264-8273 FOR ORDERING AND SHIPPING ARRANGEMENTS. 5) PROVIDE BIRDSCREEN. 6) STARTER BY ELECTRICAL CONTRACTOR. INTERLOCK WITH LIGHTS BY ELECTRICAL CONTRACTOR. 7) PROVIDE 12" HIGH CURB. 8) PROVIDE FACTORY INSTALLED SPEED CONTROLLER. 9) CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH JENN. THE FAN/CURB PACKAGE MUST BE PURCHASED BY THE MECHANICAL CONTRACTOR THROUGH SUNLOW ASSOCIATES IN ATLANTA, GA. TELEPHONE 800-678-6569. FANS AND CURBS NOT PURCHASED THROUGH SUNLOW WILL NOT BE ACCEPTED.								

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	LOCATION	NECK SIZE	FACE SIZE	CEILING TYPE	REMARKS
A	TITUS MODEL PSS-AA ALUMINUM SUPPLY AIR DIFFUSER WITH AIR PATTERN CONTROLLER.	DINING AREA KITCHEN	SEE PLAN	24X24	LAY-IN	1
B	TITUS MODEL PAR-AA ALUMINUM RETURN AIR GRILLE USED AS A SUPPLY DIFFUSER.	KITCHEN	SEE PLAN	24X24	LAY-IN	1
C	TITUS MODEL 50F ALUMINUM EGGCRATE RETURN AIR GRILLE.	OFFICE	10X10	12X12	LAY-IN	1,5
D	TITUS MODEL 272FS DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY REGISTER. FRONT BLADE PARALLEL TO SHORT SIDE.	MECHANICAL ROOM	SEE PLAN	SEE PLAN	NA	1
E	TITUS MODEL TMR-AA ALUMINUM CONCENTRIC ROUND CONE SUPPLY DIFFUSER.	OFFICE	10	16	LAY-IN	1,6
F	TITUS MODEL 50F ALUMINUM EGGCRATE RETURN AIR GRILLE.	DINING/KITCHEN PLAYGROUND	24X24	24X24	LAY-IN	1,5
G	TITUS MODEL 3FL ALUMINUM SIDEWALL RETURN GRILLE. FRONT BLADE PARALLEL TO LONG SIDE.	MECHANICAL ROOM	SEE PLAN	SEE PLAN	NA	1
H	TITUS MODEL MOD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS ENTRY 'A'	6X6	13X13	GYPSUM	1,2,3,5
I	TITUS MODEL 50F ALUMINUM EGGCRATE RETURN AIR GRILLE WITH OBD.	RESTROOMS ENTRY 'A'	8X8	10X10	GYPSUM	1,4,5
K	TITUS MODEL 272FL DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY REGISTER. FRONT BLADE PARALLEL TO LONG SIDE.	PLAYGROUND	18X12	20X14	NA	1
REMARKS	1) STANDARD OFF-WHITE FINISH. 2) PROVIDE MODEL AG-85 NECK DAMPER. 3) DIFFUSER IN RESTROOMS SHALL BE 2-WAY THROW. 4) PROVIDE MODEL AGH5 NECK DAMPER ON GRILLES IN RESTROOMS AND ENTRY VESTIBULE. 5) 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. 6) PROVIDE AG-100 NECK DAMPER. ADJUSTABLE THRU DIFFUSER FACE. 7) PROVIDE PLASTER MOUNTING FRAME.					

AIR DOOR SCHEDULE

MARK	CFM	VELOCITY	HEATING CAP	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
FF#1	3,384	4,000	NA	3/4	REAR DOOR	BOT-342	POWERED-AIRE	1,4
FF#2	750	3,050	7.2 KW	1/5	DRIVE THRU	MPH-30DE	POWERED-AIRE	2,3,4
REMARKS	1) FACTORY PROVIDED PLUNGER TYPE MICRO-SWITCH. 2) FACTORY PROVIDED REMOTE MOUNTED HEAT/ON/AUTO CONTROLS. 3) FACTORY PROVIDED, UNIT MOUNTED SPEED CONTROLLER. 4) CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH POWERED-AIRE. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE FANS DIRECTLY FROM FROM THE NATIONAL ACCOUNT REP, TOM BARROW COMPANY. CONTACT MR. TOM BARROW SR AT 404-351-1010, FOR PRICING AND AVAILABILITY.							

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
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	COORD. REVISIONS	

Mark	Date	By

Mark	Date	By

Seal

AA 0043200
CA 8666
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STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
HVAC DETAILS & SCHEDULES

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
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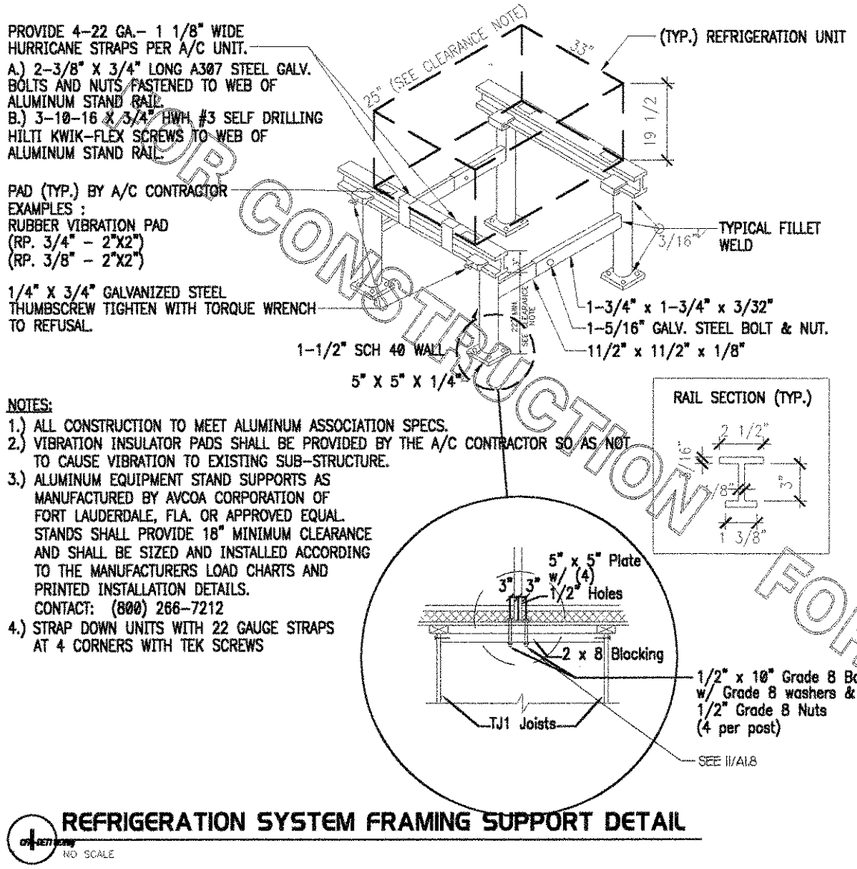
(130 MPH WINDSPEED)



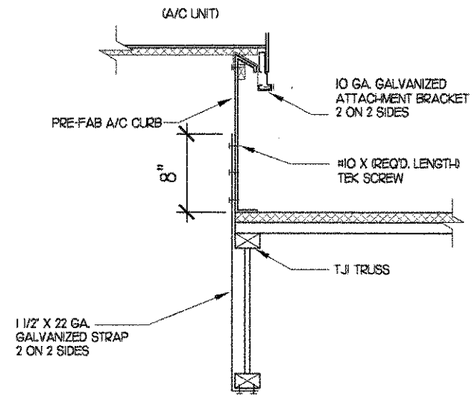
NOTES:

1.) ALL CONSTRUCTION TO MEET ALUMINUM ASSOCIATION SPECS.
2.) VIBRATION INSULATOR PADS SHALL BE PROVIDED BY THE A/C CONTRACTOR SO AS NOT TO CAUSE VIBRATION TO EXISTING SUB-STRUCTURE.
3.) ALUMINUM EQUIPMENT STAND SUPPORTS AS MANUFACTURED BY AVCOA CORPORATION OF FORT LAUDERDALE, FLA. OR APPROVED EQUAL. STANDS SHALL PROVIDE 18" MINIMUM CLEARANCE AND SHALL BE SIZED AND INSTALLED ACCORDING TO THE MANUFACTURERS LOAD CHARTS AND PRINTED INSTALLATION DETAILS.
CONTACT: (800) 266-7212
4.) STRAP DOWN UNITS WITH 22 GAUGE STRAPS AT 4 CORNERS WITH TEK SCREWS

REFRIGERATION SYSTEM FRAMING SUPPORT DETAIL

NO SCALE

130 MPH WINDSPEED



2 ROOFTOP A/C UNIT TIE-DOWN DETAIL

NO SCALE

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Chick-fil-A
5200 Buffington Rd.
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MECHANICAL SPECIFICATIONS

PART I GENERAL

1. FURNISH ALL MATERIALS, LABOR, TOOLS, TRANSPORTATION AND INCIDENTALS TO COMPLETE IN EVERY DETAIL, AND LEAVE IN WORKING ORDER ALL ITEMS CALLED FOR HEREIN OR SHOWN ON THE ACCOMPANYING DRAWINGS.
2. IT IS THE RESPONSIBILITY OF CONTRACTOR TO READ ALL SPECIFICATIONS AND CONSULT ALL DRAWINGS WHICH MAY AFFECT THE INSTALLATION AND COORDINATION OF HIS WORK WITH OTHER TRADES. CONTRACTOR SHALL COORDINATE AND MAKE MINOR ADJUSTMENTS IN LOCATION OF EQUIPMENT AND MATERIALS AS NECESSARY TO SECURE COORDINATION.
3. CONTRACTOR SHALL PROVIDE SIX SUBMITTAL SETS OF SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO STARTING WORK. IF ANY CHANGES ARE DESIRED, THE SUBMITTALS SHALL ALSO SHOW ALL REQUIRED MODIFICATIONS AND CHANGES, INCLUDING THOSE INVOLVING OTHER TRADES, AND COST THEREOF SHALL BE SUBMITTED TO THE OWNER.
4. CONTRACTOR MUST RECEIVE PRIOR APPROVAL, SIGNED BY ENGINEER BEFORE PROCEEDING WITH ANY MODIFICATIONS. WORK INSTALLED USING UNAPPROVED LAYOUT OR SUBSTITUTIONS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL VISIT THE SITE AND FULLY INFORM HIMSELF CONCERNING ALL CONDITIONS AFFECTING SCOPE OF WORK. FAILURE TO DO SO SHALL NOT RELIEVE CONTRACTOR OF ANY RESPONSIBILITY IN THE PERFORMANCE OF HIS WORK. ALL WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE BY CRAFTSMEN SKILLED IN THIS PARTICULAR WORK.
6. CONTRACTOR SHALL FILE ALL DRAWINGS, PAY ALL FEES AND OBTAIN ALL PERMITS AND CERTIFICATES OF INSPECTION RELATIVE TO THIS WORK.
7. COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO THE LATEST APPROVED EDITIONS OF NFPA-96, NFPA-90A, NFPA-54, SMACNA, ASHRAE 90.1 AND ASHRAE 62.
8. SYSTEM LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY STRUCTURAL CONDITIONS, COORDINATION WITH OTHER TRADES, COORDINATION WITH FINISHES AND OTHER CONDITIONS. STRUCTURAL SUPPORTS SHALL NOT BE CUT OR ALTERED TO ASSURE FIT OF HVAC SYSTEM. TEN FOOT CLEARANCE SHALL BE MAINTAINED BETWEEN OUTSIDE AIR INTAKES AND EXHAUST FANS AND PLUMBING VENT TERMINALS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFECTS, REPAIRS AND REPLACEMENTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER FINAL PAYMENT IS APPROVED. CONTRACTOR SHALL HONOR FACTORY WARRANTIES ON ALL EQUIPMENT PROVIDED AS PART OF THIS SYSTEM.
10. UPON COMPLETION OF PROJECT, ALL SYSTEM EQUIPMENT AND MATERIALS SHALL BE IN NEW, CLEAN CONDITION WITH ALL DAMAGE RESTORED TO CONDITION ACCEPTABLE TO THE OWNERS REPRESENTATIVE. ALL EQUIPMENT, COMPONENTS AND DUCTWORK SHALL BE INSPECTED AND THOROUGHLY CLEANED, READY FOR USE. AT COMPLETION OF JOB, ALL MISCELLANEOUS TOOLS, SCAFFOLDING, SURPLUS MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED BY CONTRACTOR.
11. IF HVAC EQUIPMENT IS USED FOR TEMPORARY HEATING, ETC., THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR CLEANING COILS, ETC. FINAL PERMANENT CONNECTIONS OF SERVICES TO UNITS SHALL BE COMPLETE PRIOR TO ANY START-UP OF EQUIPMENT. PROVIDE NEW FILTERS AT WORK COMPLETION.
12. CONTRACTOR SHALL SUBMIT SIX (6) SETS OF INSTRUCTION BOOKS INCLUDING INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS, PAMPHLETS OR BROCHURES AND ALL EQUIPMENT WARRANTIES OBTAINED FROM EACH MANUFACTURER OF EQUIPMENT TO OWNER'S REPRESENTATIVE.
13. 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 II PRODUCTS

1. HEATING AND COOLING EQUIPMENT
   A. FURNISH AND INSTALL ROOFTOP SINGLE PACKAGE COMBINATION ELECTRIC COOLING AND NATURAL GAS FIRED HEATING UNITS BY LENNOX AS SHOWN ON DRAWINGS. EQUIPMENT SHALL BE ARI CERTIFIED AND A.G.A. AND UL LISTED.
   B. UNIT SHALL BE FACTORY ASSEMBLED, TESTED AND HAVE COMPLETE REFRIGERANT R-22 CHARGE, READY TO OPERATE. ALL TUBING JOINTS SHALL BE BRAZED. COILS SHALL BE MINIMUM OF 3-ROWS DEEP.
   C. INDOOR FAN SHALL BE STATICALLY AND DYNAMICALLY BALANCED, DOUBLE INLET, FORWARD CURVED BELT DRIVEN BLOWER CAPABLE OF DELIVERING DESIGN CFM. FAN SHALL BE QUIET IN OPERATION AND INTERNALLY VIBRATION ISOLATED.
   D. FILTERS SHALL BE THROW AWAY TYPE, FARR 30/30 2" OR EQUAL. A CLEAN SET OF REPLACEMENT FILTERS SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR AFTER SUCCESSFUL START-UP OF EQUIPMENT AND AGAIN PRIOR TO OPENING.
   E. ACCESSORIES SHALL INCLUDE LOW AND HIGH PRESSURE SAFETIES, CRANK CASE HEATER, OVERCURRENT AND OVERTEMPERATURE SAFETY, COMPRESSOR VIBRATION ISOLATORS, FILTER DRIERS, REFRIGERANT SERVICE VALVES, COIL HAIL GUARDS (FL, TX, OK ONLY), CONVENIENCE OUTLETS FACTORY INSTALLED ON SCHEDULED UNITS, UNIT MOUNTED NON-FUSED DISCONNECTS, LOW AMBIENT OPERATION DOWN TO 30 DEGREES F AND EVAPORATOR FREEZE STAT.
   F. COMPRESSORS SHALL BE FULLY HERMETIC SCROLL TYPE WITH INTERNAL VIBRATION ISOLATORS. COMPRESSORS SHALL BE PROVIDED WITH A MINIMUM FIVE (5) YEAR FULL WARRANTY.
   G. UNIT SHALL BE DOWN DISCHARGE AS INDICATED ON THE DRAWINGS.
   H. UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED DIFFERENTIAL ENTHALPY ECONOMIZERS WITH POWER OR BAROMETRIC EXHAUST AS SCHEDULED. PLAYGROUND UNIT SHALL BE EQUIPPED WITH 0-100% MOTORIZED O.A. DAMPER ASSEMBLY.
   I. THE UNIT HEAT EXCHANGERS SHALL BE STEEL WITH ALUMINIZED STEEL COATING. HEATING CONTROLS SHALL CONSIST OF REDUNDANT GAS VALVES, INTERMITTENT PILOT WITH ELECTRONIC SPARK OR HOT PLATE IGNITION SYSTEM, COMBUSTION/EXHAUST FAN PROTECTED BY CENTRIFUGAL SWITCHES, HEAT LIMIT SWITCHES, TIME-DELAY RELAY, FLAME, AND PILOT SENSORS. ALL UNITS SHALL BE CAPABLE OF TWO STAGES OF HEAT. HEAT EXCHANGES SHALL HAVE A TEN (10) YEAR WARRANTY. BURNERS SHALL BE ALUMINIZED IN-SHOT TYPE. THE DRAFT MOTOR SHALL BE MONITORED BY THE CONTROL SYSTEM.
   J. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION. PRICING FOR THE EQUIPMENT HAS BEEN ESTABLISHED IN ADVANCE. CONTACT LENNOX NATIONAL ACCOUNTS AT 972-497-5307 FOR PRICING, ORDERING AND AVAILABILITY.
2. GENERAL EXHAUST AND KITCHEN HOOD FANS
   A. FANS SHALL BE JENN MODELS, UP BLAST OR DOWN BLAST, CENTRIFUGAL OR PROPELLER, AS INDICATED ON DRAWINGS AND SHALL BE LOCATED WHERE SHOWN ON DRAWINGS. ALL FANS SHALL BE UL LISTED FOR INTENDED USE AND SHALL BEAR THE A.M.C.A. SEAL. MANUFACTURERS OTHER THAN THE JENN MODELS SPECIFIED ARE NOT ACCEPTABLE.
3. ROOF CURBS
   A. EQUIPMENT MANUFACTURER SHALL PROVIDE ALL ROOF CURBS FOR ROOF MOUNTED EQUIPMENT.
   B. ROOF CURBS FOR ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE "NATIONAL ROOFING CONTRACTORS ASSOCIATION' GUIDELINES, AND THE ROOFING SUPPLIER'S DETAILS AND GUIDELINES FOR THE SPECIFIC ROOFING MATERIALS USED.
   C. CURB CONSTRUCTION AND HEIGHT FOR THE HOOD FANS SHALL CONFORM TO THE REQUIREMENTS OF NFPA 96.
   D. THE RESTROOM EXHAUST FAN CURB SHALL BE 1'-0" HIGH MINIMUM.
   E. ALL CURBS SHALL HAVE PERIMETER INSULATION PROVIDED AND INSTALLED BY THE ROOFING INSTALLER.
   F. THE ROOFTOP EQUIPMENT CURBS SHALL HAVE A 2" THICK ACOUSTICAL INSULATION BLANKET APPLIED BETWEEN THE ROOF AND EQUIPMENT BY THE MECHANICAL CONTRACTOR.
   G. ROOFTOP EQUIPMENT SHALL BE SECURED TO ROOF CURB AND ROOF STRUCTURE TO RESIST 140 MPH WIND LOAD.
4. DUCTWORK, INSULATION & INSTALLATION (SEE DWG M2 FOR GREASE DUCT)
   A. ACCEPTABLE MANUFACTURERS OF INSULATION ARE MANVILLE, OWENS CORNING OR KNAUF.
   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 U.L. DUCT MASTIC SEALANT APPROVED FOR INTENDED USE. STANDARD DUCT TAPE IS NOT ACCEPTABLE.
   E. 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 FOIL/KRAFT FACING.
   F. ALL DUCT DROPS FROM THE ROOFTOP UNITS SHALL BE EXTERNALLY INSULATED.
   G. SUPPLY AND RETURN AIR DUCTWORK SERVING THE PLAYGROUND, KITCHEN, SERVING AND DINING AREAS SHALL BE EXTERNALLY INSULATED.
   H. RESTROOM RECTANGULAR EXHAUST AIR DUCTWORK SHALL BE LINED WITH 1" THICK, 1-1/2 PCF INSULATION.
   I. TRUNK DUCTS SHALL BE ISOLATED FROM UNIT VIBRATION WITH THE USE OF NFPA AND U.L. APPROVED FLEXIBLE CONNECTORS INSTALLED AT THE TOP OF BOTH SUPPLY AND RETURN DROPS.
   J. 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 M3.
   K. 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 U.L. APPROVAL AND SHALL BE EQUIVALENT TO FLEXMASTER TYPE 3M.
   L. FLEXIBLE DUCT SHALL BE INSTALLED USING DRAWBANDS AND FOIL TAPE ON THE INNER CORE AND OUTER INSULATION.
   M. SINGLE THICKNESS TURNING VANES SHALL BE INSTALLED AT 90 DEGREE TURNS IN SUPPLY DUCTWORK WHERE ANY ONE DIMENSION IS GREATER THAN 12".
   N. RADIUSED 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.
5. AIR DEVICES
   A. AIR DEVICES SHALL BE BY TITUS. ACCEPTABLE EQUIVALENTS ARE KRUEGER AND METALAIRE. COORDINATE FRAME TYPE WITH REFLECTED CEILING PLAN PRIOR TO ORDERING. FURNISH AND INSTALL ACCESS DOORS IN GYPSUM CEILINGS AND WALLS FOR DAMPER ACCESS. PAINT ACCESS DOOR TO MATCH CEILING FINISH.
   B. MANUAL VOLUME BALANCING DAMPERS SHALL BE SPIN-IN OR STICK-ON TYPES WITH STRAIGHT TAKE-OFF STYLE AND MUST HAVE WING NUTS EXTERNALLY LOCATED AT BOTH ENDS OF DAMPER SHAFT.
6. PAINTING
   A. ALL EQUIPMENT LOCATED OUTDOORS SHALL HAVE ANY SCRATCHES TOUCHED UP WITH PAINT OF THE SAME TYPE AND COLOR AS ORIGINAL.
7. CONTROLS
   A. SYSTEMS SHALL BE COMPLETE WITH CONNECTIONS TO CFA-500 TEMPERATURE CONTROL PANEL AS MANUFACTURED BY SUNCOAST ENVIRONMENTAL CONTROLS (S.E.C.) (PH: 877-544-6679). THE PANEL IS PROVIDED AND MOUNTED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING TERMINATIONS ARE BY THE MECHANICAL CONTRACTOR.
   B. THE SMOKE DETECTORS SHALL BE FACTORY INSTALLED AND WIRED BY THE ROOFTOP UNIT MANUFACTURER.
   C. A FACTORY INSTALLED SMOKE DETECTOR IN THE RETURN AIR SECTION OF EACH AIR CONDITIONING UNIT SHALL STOP THE INDOOR FAN AND CLOSE THE OUTSIDE AIR DAMPER IN THE EVENT OF EXCESSIVE TEMPERATURE OR SMOKE. SMOKE DETECTOR SHALL BE LOCATED PRIOR TO ANY EXHAUST FROM THE BUILDING OR MIXING WITH FRESH AIR MAKE-UP. UPON DETECTION, THE SYSTEM SHALL NOT RESTART UNTIL THE DEVICE IS MANUALLY RESET. DEVICES SHALL BE LOCATED WHERE THEY CAN BE EASILY ACCESSED AND WHERE CLEAR OF FILTERS.
   D. CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH SUNCOAST ENVIRONMENTAL CONTROLS FOR THE SMOKE DETECTOR TEST/RESET ANNUNCIATOR STATIONS. THE TEST/RESET STATIONS WILL BE PURCHASED AND PROVIDED BY THE MECHANICAL CONTRACTOR AS A PART OF A NATIONAL ACCOUNT PACKAGE.
   E. THE REMOTE TEST/RESET ANNUNCIATORS SHALL BE PROVIDED, INSTALLED AND WIRED BY THE MECHANICAL CONTRACTOR. INSTALLATION BY MECHANICAL SHALL INCLUDE MOUNTING OF THE ANNUNCIATORS AND ALL WIRING FROM EACH DEVICE TO THE RTU. ELECTRICAL WILL PROVIDE A JUNCTION BOX IN THE WALL WITH 1/2" CONDUIT STUBBED UP ABOVE THE CEILING FOR EACH REMOTE TEST STATION AS SHOWN ON THE ELECTRICAL PLANS. ANNUCIATOR SHALL BE SUNCOAST CONTROLS REMOTE TEST/RESET STATION WITH POWER LED, ALARM LED, 90DB HORN AND TEST/RESET BUTTON.
   F. WHERE REQUIRED BY LOCAL CODE , INSTALL A FIRESTAT IN THE RETURN AIR DUCT OF EACH PIECE OF AIR CONDITIONING EQUIPMENT HANDLING 2000 CFM OR MORE TO STOP THE INDOOR FAN AND CLOSE THE OUTSIDE AIR DAMPER WHEN HEAT WITHIN THE DUCT IS IN EXCESS OF 135 DEGREES FAHRENHEIT. FIRESTAT SHALL BE EQUIVALENT TO HONEYWELL MODEL #L4029E HIGH LIMIT CONTROLLER. FIRESTATS SHALL BE PROVIDED AND MOUNTED BY THE MECHANICAL CONTRACTOR. INSTALLATION BY MECHANICAL SHALL INCLUDE MOUNTING OF THE DEVICE AND ALL WIRING FROM THE DEVICE TO THE RTU. SHUTDOWN OF UNIT AND INDOOR FAN SHALL BE IMMEDIATE WITH NO DELAY.
   F. THE RESTROOM FAN SHALL BE INTERLOCKED TO THE LIGHTS SERVING THE MEN AND WOMEN'S RESTROOMS. THE HOOD FANS SHALL BE CONTROLLED VIA THE SUNCOAST CFA-500 CONTROL PANEL. WIRING, RELAYS AND SWITCHES FOR CONTROL OF ALL FANS ARE BY ELECTRICAL CONTRACTOR.
   G. THERMOSTATS ARE PROVIDED AND INTEGRATED INTO THE TEMPERATURE CONTROL PANEL BY SUNCOAST ENVIRONMENT CONTROLS. SUNCOAST WILL PROVIDE A JOHNSON CONTROLS REMOTE TEMPERATURE SENSOR MODEL SEN-500-1 FOR EACH THERMOSTAT. MECHANICAL CONTRACTOR SHALL INSTALL ALL WIRING BETWEEN THERMOSTAT, SENSOR AND ROOFTOP UNIT.
   H. EACH THERMOSTAT SHALL BE PROVIDED WITH AN ENGRAVED PLASTIC LABEL, ½" HIGH WITH WHITE LETTERING ON BLACK FIELD. EACH LABEL SHALL INDICATE A/C UNIT # AND ZONE SERVED, I.E. "AC#2 PLAYGROUND". PROVIDED AND INSTALLED BY MC. DO NOT INSTALL LABELS DIRECTLY ON THERMOSTATS.
   I. MECHANICAL CONTRACTOR SHALL INSTALL CONTROL WIRING IN 1/2" CONDUIT WHERE REQUIRED BY CODE. WHERE NOT REQUIRED TO BE IN CONDUIT, ALL WIRING SHALL BE RUN PARALLEL TO STRUCTURAL MEMBERS OR PERPENDICULAR WITH NO DIAGONAL ROUTING. ALL WIRING SHALL BE SECURED TO THE FRAMING TO PREVENT SAGGING IN RUNS. WIRING TO ROOFTOP UNITS SHALL BE ROUTED THROUGH THE FACTORY THRU-BASE FITTING IN THE UNIT BASE. ALL WIRING ABOVE THE ROOF SHALL BE INSTALLED IN EXTERIOR GRADE FLEXIBLE CONDUIT. ALL CONTROL WIRING AND CONTROL WIRING CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF NEC.
8. SEQUENCE OF OPERATION:
   A. WHEN STORE IS OPEN, THE EXHAUST FANS AND ROOFTOP UNITS SHALL OPERATE THRU CONTROL OF THE SWITCHES AND SENSORS SHOWN ON THE MECHANICAL AND ELECTRICAL PLANS. THE ROOFTOP UNIT INDOOR FANS SHALL RUN CONTINUOUSLY AND THE OUTSIDE AIR DAMPERS SHALL REMAIN OPEN.
   B. WHEN THE STORE IS CLOSED, THE EXHAUST FANS SHALL BE SWITCHED OFF AND THE THERMOSTATS SHALL BEGIN NIGHT SET-BACK MODE. OUTSIDE AIR DAMPERS AT THE ROOFTOP UNITS SHALL REMAIN CLOSED AT ALL AT ALL TIMES DURING NIGHT SET-BACK MODE.
   C. HOOD EXHAUST FANS SHALL NOT BE CAPABLE OF OPERATION UNLESS SUNCOAST CFA-500 CONTROL PANEL STORE SWITCH HAS BEEN PUT INTO THE "STORE OPEN" POSITION.
   D. ACTUATION OF ANSUL SYSTEM SHALL STOP ALL ROOFTOP UNITS, CLOSE THE O.A. DAMPERS AND MAINTAIN OPERATION OF THE GREASE HOOD EXHAUST FANS.
   E. RESTROOM EXHAUST FAN SHALL ENERGIZE UPON OPERATION OF LIGHTS IN RESTROOMS.

PART III EXECUTION

   A. FURNISH AND INSTALL SYSTEM IN ACCORDANCE WITH REFERENCED STANDARDS, APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS AND AS INDICATED ON DRAWINGS.
   B. OWNER SHALL TEST AND BALANCE MECHANICAL SYSTEM IN ACCORDANCE WITH NBI OR AABC STANDARDS TO ASSURE CONFORMANCE WITH DESIGN. G.C. WILL MAKE MECHANICAL CONTRACTOR AVAILABLE DURING TEST AND BALANCE TO ASSIST TESTING AGENCY AND TO MAKE CORRECTIONS IMMEDIATELY NECESSARY. CONTACTOR SHALL CORRECT ITEMS ON WRITTEN TEST AND BALANCE REPORT.
   C. CONTRACTOR SHALL INSTRUCT THE OWNER'S REPRESENTATIVE IN ALL MATTERS PERTAINING TO THE PROPER MAINTENANCE OF EQUIPMENT FURNISHED UNDER THIS CONTRACT THROUGH DEMONSTRATION AND EXPLANATION OF OPERATING & MAINTENANCE MANUALS.
   D. CONTRACTOR SHALL PROVIDE A "SAMPLE MAINTENANCE PROPOSAL" TO THE OWNER'S REPRESENTATIVE IN ALL MATTERS PERTAINING TO THE PROPER MAINTENANCE OF EQUIPMENT FURNISHED UNDER THIS CONTRACT.

PRE-CONSTRUCTION FOR INSTRUCTION FOR CONSTRUCTION

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Revisions:

Mark	Date	By
1	9/17/04	rea
	COORD. REVISIONS	

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Mark	Date	By

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FSU 03-A

DOLPHIN VILLAGE
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ST. PETE BEACH, FL

SHEET TITLE
MECHANICAL SPECIFICATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

Sheet
M-4.0

SHEET NOTES

1. COORDINATE INSTALLATION OF SANITARY PIPING WITH FOOTINGS IN THE FIELD.
2. WHERE REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION, JURISDICTION. PROVIDE SAFE-WASTE SYSTEM AS OUTLINED IN CODE AMENDMENTS.

KEY NOTES

1. ROUTE 1/2" CW TO TRAP PRIMER. SEE WASTE RISER DIAGRAM ON DWG P5.
2. ROUTE 2" CW TO DUMPSTER PAD POST HYDRANT. SEE DETAIL 4/P6.
3. ROUTE 1/2" CW TO TRAP PRIMER. SEE WATER RISER DIAGRAM ON DWG P5.
4. SUMP PUMP PIT - SEE PLAN SHEET P8.

3/4" NON-FREEZE POST HYDRANT, P-31, LOCATED IN CORNER OF DUMPSTER PAD. SET BASE OF HYDRANT BARREL IN ONE CUBIC FOOT OF PEA GRAVEL. WRAP BASE OF HYDRANT WITH SILT FENCE FABRIC TO PREVENT DRAIN HOLE FROM BEING OBSTRUCTED.

REFER TO CIVIL PLANS FOR METHOD OF DRAINAGE AT REFUSE PAD. SEE PLUMBING SPECIFICATIONS, FIXTURE/P-32 FOR MAKE AND MODEL OF FLOOR DRAIN WHEN DRAIN IS SHOWN ON CIVIL PLANS.

3/4" CW TO DUMPSTER POST HYDRANT. SEE MECHANICAL ROOM FOR CONTINUATION.

3 REFUSE PAD PLUMBING PLAN

1/4"=1'-0"

= -3/4" fall w/36" ϕ sweep

= -4½" fall w/36" ϕ sweep

= Flat no slope
Cinct. all flood clean-outs
+ flood clean-outs

REMOVABLE CONCRETE SLAB COVER

NEENAH #R-1772-C HEAVY DUTY MANHOLE FRAME & SOLID COVER

C.O.

3" VENT

24" INSIDE DIA PRE-CAST CONCRETE MANHOLE RISER SECTION

PAVING

2-WAY C.O.

NOTE: SET ON 0'-4" OF STRUCTURAL BACKFILL

PROVIDE (2) 750 GALLON PRECAST CONCRETE GREASE TRAPS. SEE CIVIL DRAWING SHEET P5-1 FOR SIZING FORMULA.

TRAP CAPACITY SUBJECT TO APPROVAL BY STATE OR LOCAL AUTHORITY. CONSTRUCTION MUST BE MONOLITHIC, INCLUDING THE BAFFLE. TRAP MUST BE MEET H-20 TRAFFIC LOADING REQUIREMENTS.

SEAL PIPING IN OPENINGS WITH NEOPRENE DONUT AND NON-SHRINK GROUT, TYPICAL.

4'-6"

8'-0"
4'-10"
2'-10"
5'-0"
6"
6"
4" SAN TEE
4" C.O. PLUG AND BODY
4'-10"
4'-0"
3'-10"
(3)6" OPENINGS
1'-6"
1'-0"
1'-0"

INTERIOR DIMENSIONS CHANGES ALLOWED TO ACCOMMODATE SIMILAR VOLUMES.

2 GREASE INTERCEPTOR

NONE

MAIN WATER SERVICE TO BUILDING:
REFER TO SITE UTILITY PLAN UNDER SEPARATE DIVISION OF THIS CONTRACT FOR CONTINUATION. MATERIAL USED FOR WATER SERVICE OUTSIDE BUILDING SHALL BE TYPE K. THIS INCLUDES THE ENTIRE LENGTH OF RUN TO THE POINT OF CONNECTION IN RIGHT OF WAY. THIS MUST BE COORDINATED WITH THE SITE CONTRACTOR.

2" CW SERVICE TO BUILDING

TO CATCH BASIN SEE CIVIL DWGS FOR CONTINUATION

SEE DETAIL 2/P3 FOR INSTALLATION OF DRAIN AND TRAP AT MOP SINK.

MECH. RM

OFFICE

WOMEN

MEN

BREAK

DINING 'B'

DINING 'A'

COOLER

FREEZER

KITCHEN

DRIVE-THRU

ORDER

PLAYGROUND

2" CW UP TO RISER ASSEMBLY. SEE DETAIL 4/P6.

1/2" CW UP TO TRAP PRIMER, P-33. SEE I/P5 AND 2/P5.

1/2" CW TO TRAP PRIMER, P-33. SEE ISOMETRIC ON DWG P6.

1/2" CW TO TRAP PRIMER, P-33. SEE ISOMETRIC ON DWG P5.

3" FCO, P-14

3" VENT

4" SAN

4" GW

4" TWO-WAY CO, P-15, SEE DETAIL 2/P6.

SEE 4/P1 FOR CONTINUATION.

SEE SITE UTILITY PLAN FOR CONTINUATION.

(200) KITCHEN EQUIPMENT NO. SEE KITCHEN EQUIPMENT SCHEDULE ON DWG P6 FOR EQUIPMENT DESCRIPTIONS.

WATER SUPPLY PRESSURE

THE PLUMBER MUST DETERMINE IF THE SITE WATER SUPPLY PRESSURE WILL RELIABLY OPERATE THE STORE PLUMBING SYSTEM.

PRESSURE REQUIRED W/SELECTO FILTER SYSTEM

60 PSI

1) MEASURE WATER PRESSURE AT ANY LOCATION ON THE PROPERTY.
2) ALL WATER FLOW ON PROPERTY MUST BE STOPPED DURING TEST.
3) TAKE MEASUREMENTS AT 7AM, 10AM AND 12 NOON FOR THREE DAYS.
4) NOTIFY GC OF WATER PRESSURE TEST RESULTS.

1 BELOW SLAB PLUMBING PLAN

1/4"=1'-0"

FLOOD PROOFING:
PROVIDE MEANS OF FLOOD PROOFING FOR BUILDING. SEE SHEET P8 FOR FLOOD PROOFING SYSTEM PLAN AND SPECIFICATIONS.

4 GREASE TRAP PART PLAN

1/4"=1'-0"

SEE 1/P1 FOR CONTINUATION.

GREASE TRAP - REFER TO DETAIL 2/P1. REFER TO SITE UTILITY PLAN SHEET FOR EXACT LOCATION.

3" VENT

GREASE TRAP - REFER TO DETAIL 2/P1. REFER TO SITE UTILITY PLAN SHEET FOR EXACT LOCATION.

4" TWO-WAY CO, P-15.

4" WASTE

REFER TO SITE UTILITY PLAN FOR CONTINUATION

FOR CONSTRUCTION

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Revisions:

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1	9/17/04	rea	COORD. REVISIONS
2	9/24/04	TDG	DEPR COMMENTS

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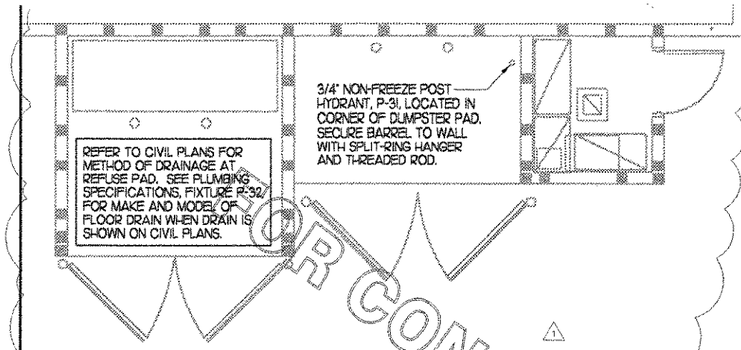
SHEET TITLE
BELOW SLAB PLUMBING PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

Sheet
P-1.0



2 REFUSE PAD PLUMBING PLAN

1/4"=1'-0"

BEVERAGE CONDUIT NOTES

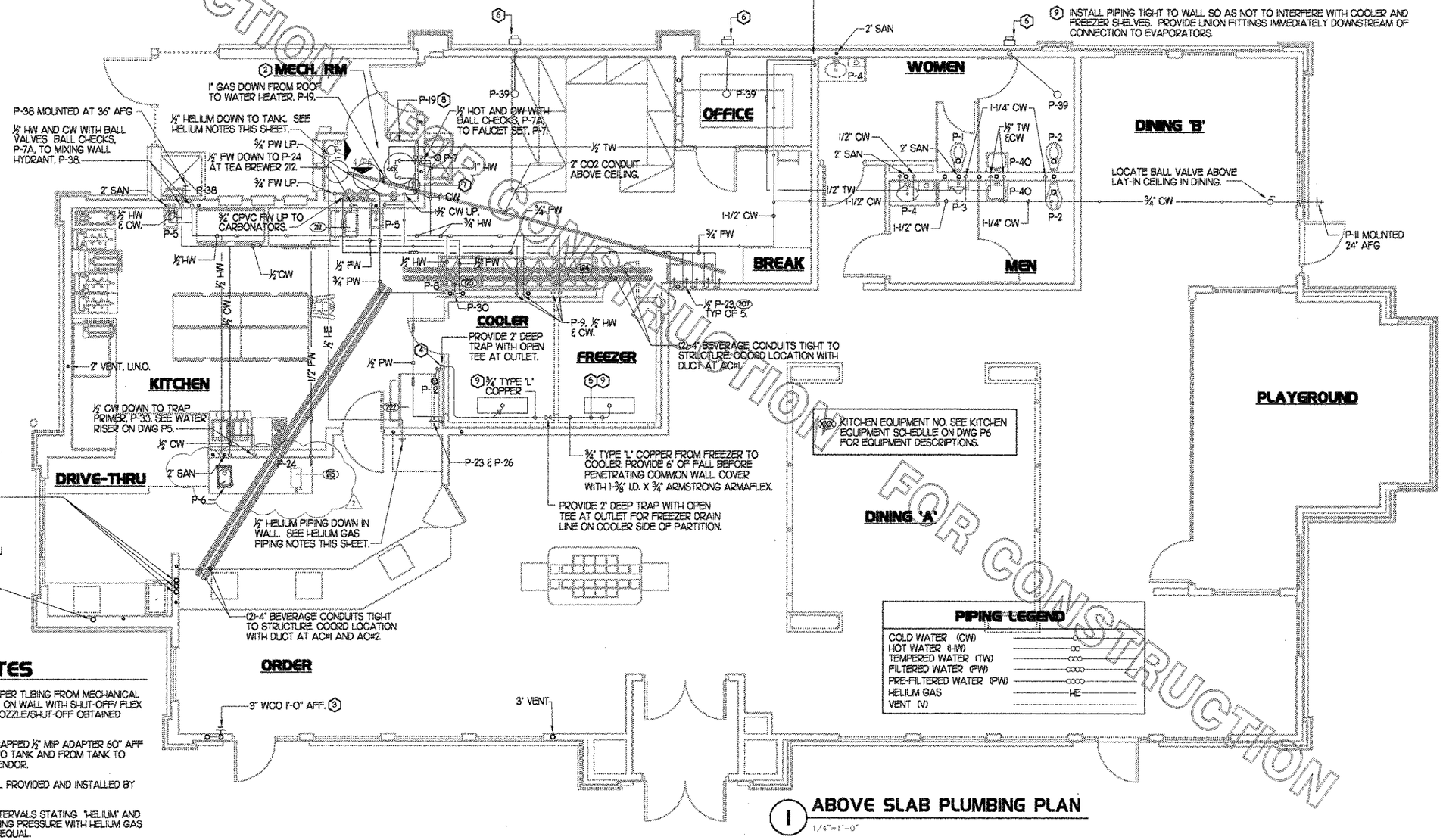
1. ROUTE BEVERAGE SYSTEM PIPING OVERHEAD FROM BULK CO2 TANK TO THE BEVERAGE RACK WITH 2" SCH 40 PVC CONDUIT AND FROM THE BEVERAGE RACK TO DRINK TOWERS IN TWO (2)-4" SCH 40 PVC CONDUITS. ALL CONDUIT SHALL BE HELD TIGHT TO STRUCTURE AND SUPPORTED WITH THREADED ROD AND CLEVIS HANGERS AT INTERVALS SHOWN IN SPECIFICATIONS FOR HORIZONTAL OVERHEAD PIPING. COORDINATE ROUTING WITH THE GENERAL CONTRACTOR TO AVOID MECHANICAL AND ELECTRICAL SYSTEMS.
2. TWO SEPARATE RUNS OF 4" CONDUIT MUST BE INSTALLED DUE TO LOCATION OF MAIN SUPPLY DUCT RUN FOR KITCHEN A/C. SEE DWG MI.
3. TURN THE 4" CONDUIT DOWN THROUGH THE CEILING AT THE BEVERAGE RACK AND PROVIDE CHROMED ESCUTCHEONS AT PENETRATIONS. TERMINATE OPPOSITE END ABOVE CEILING OVER SERVING AREA WHERE SHOWN ON PLANS.
4. TURN THE 2" BULK CO2 CONDUIT DOWN THRU CEILING AT THE CO2 TANK AND PROVIDE CHROME ESCUTCHEON AT PENETRATION. TERMINATE OPPOSITE END ABOVE CEILING OVER BEVERAGE RACK.
5. PROVIDE A 4" PVC SCH 40 CONDUIT DOWN IN WALL BEHIND DRIVE-THRU DRINK TOWER EXTENDING FROM ABOVE CEILING DOWN INTO CABINETRY BEHIND DRINK TOWER.
6. PROVIDE THREE (3)-4" PVC SCH 40 CONDUITS DOWN IN WING WALL ADJACENT TO ICE CREAM MACHINE EXTENDING FROM ABOVE CEILING DOWN INTO CABINETRY FOR MAIN SERVING AREA DRINK TOWERS WITH 1/8TH STREET BEND FITTINGS. CUT FITTINGS FLUSH WITH FINISHED WALL.

SHEET NOTES

1. RUN ALL PIPING OVERHEAD ABOVE THE CEILING IN CLEAR VIEW. DO NOT DISTRIBUTE PIPING WITHIN WALLS. MAKE INDIVIDUAL DROPS FROM ABOVE CEILING TO EACH FIXTURE UNLESS SHOWN OTHERWISE.
2. COORDINATE VENT TERMINAL LOCATIONS WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM CLEARANCE REQUIRED BY CODE.
3. HOLD ALL PIPING ABOVE THE CEILING TIGHT TO STRUCTURE. DUCT LOCATIONS TAKE PRIORITY. SEE DRAWING MI FOR DUCT LAYOUT. COORDINATE CONFLICTS WITH GC.
4. PLUMBING ROUGH-IN DIMENSIONS LOCATED ON SHEET K-4.0

KEY NOTES

1. WALL CLEANOUTS SHALL BE EQUIVALENT TO CHARLOTTE PIPE PART NO. 445-X WITH C.O. PLUG AND J.R. SMITH 4760-12X12 ACCESS DOOR. INSTALL AT 3'-0" AFF TO CENTER OF PLUG, U.N.O.
2. COORDINATE PIPING LOCATIONS SO AS NOT TO INTERFERE WITH WATER HEATER COMBUSTION AIR PIPING SHOWN ON DWG MI.
3. ROUTE TWO 3" MAIN VENTS UP THRU ROOF. COMBINE GREASE TRAP VENT WITH 3" WASTE VENT IN WALL. INSTALL WCO IN GREASE TRAP VENT RISER 1'-0" AFF.
4. TURN ¾" CONDENSATE PIPING OUT OF COOLER AND DOWN INTO FUNNEL AT FLOOR DRAIN. SECURE PIPING TO COOLER WALL WITH RUBBER INSULATED PIPE CLAMPS TO PREVENT GALVANIC CORROSION. SEAL ALL PENETRATIONS IN WALLS WITH PERMAGUM CORD. PROVIDE TRAP IN CONDENSATE DRAIN OUTSIDE COOLERS.
5. APPLY RAYCHEM XL-TRACE, MODEL 5XL-1, SELF REGULATING HEATING CABLE. USE END SEAL KIT FROM MFR.
6. ROOF DRAINS TO CONNECT TO STORM WATER PIPE AND INTO CATCH BASIN. FOR CONTINUATION SEE CIVIL DRAWING. ROUTE 4" ROOF DRAIN CONDUCTOR ABOVE CEILING AND DOWN IN WALL. MAKE FLUSH WITH WALL AND TURN OUT ONTO GRADE WITH J.R. SMITH DOWNSPOUT SCUPPER, MODEL 1770, CAST BRONZE BODY. COORDINATE WITH GC ON TERMINATION LOCATION.
7. 1/2" CW TRAP PRIMER TUBING DOWN SERVING P-35 AND ¾" CW DOWN TO POST HYDRANT AT DUMPSTER. SEE DETAIL 4/P6. SEE I/P1 FOR LOCATION OF P-35.
8. POSITION VALVES AND TRIM IN WATER HEATER CLOSET SUCH THAT VISIBLE OBSERVATION OF VALVES AND TRIM IS UNOBSTRUCTED AND SUCH THAT ACCESS FOR OPERATION OR REPAIR IS POSSIBLE WITHOUT USE OF STEP LADDERS OR ANY NEED TO DISASSEMBLE ANY COMPONENTS.
9. INSTALL PIPING TIGHT TO WALL SO AS NOT TO INTERFERE WITH COOLER AND FREEZER SHELVES. PROVIDE UNION FITTINGS IMMEDIATELY DOWNSTREAM OF CONNECTION TO EVAPORATORS.



HELIUM GAS PIPING NOTES

1. HELIUM GAS, HE, PIPING. ROUTE 1/2" TYPE "L" COPPER TUBING FROM MECHANICAL ROOM TO FRONT SERVING COUNTER. TERMINATE ON WALL WITH SHUT-OFF/ FLEX BALLOON NOZZLE AND ESCUTCHEON 48" AFF. NOZZLE/SHUT-OFF OBTAINED THROUGH LOCAL COMPRESSED GAS VENDOR.
2. TERMINATE PIPING IN MECHANICAL ROOM WITH CAPPED ½" MIP ADAPTER 60" AFF NEAR TANK LOCATION. PIPING FROM ADAPTER TO TANK AND FROM TANK TO REMOTE FILL PORT BY LOCAL COMPRESS GAS VENDOR.
3. TANK AND REMOTE FILL PORT AT EXTERIOR WALL PROVIDED AND INSTALLED BY LOCAL COMPRESSED GAS VENDOR.
4. PROVIDE PIPE LABELS AT A MINIMUM OF 15'-0" INTERVALS STATING "HELIUM" AND LISTING THE WORKING PRESSURE. VERIFY WORKING PRESSURE WITH HELIUM GAS PROVIDER. MARKERS SHALL BE SETON 21948 OR EQUAL.

1 ABOVE SLAB PLUMBING PLAN

1/4"=1'-0"

FOR CONSTRUCTION

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Revisions:

Mark	Date	By	
1	9/17/04	rsa	COORD. REVISIONS
2	9/24/04	TDG	DBPR COMMENTS

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SHEET TITLE
ABOVE SLAB PLUMBING PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

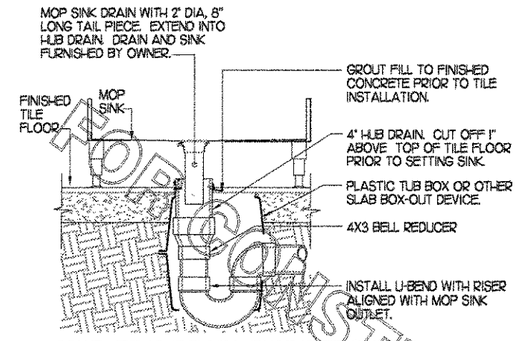
Sheet
P-2.0

= Flood clean-outs + hub drains (Float - NO Slope)

= -½" fall w/ 36" ϕ sweep

= -3¼" fall w/ 36" ϕ sweep

See P-8 for flood system clean-outs



2 MOP SINK DRAIN CONNECTION

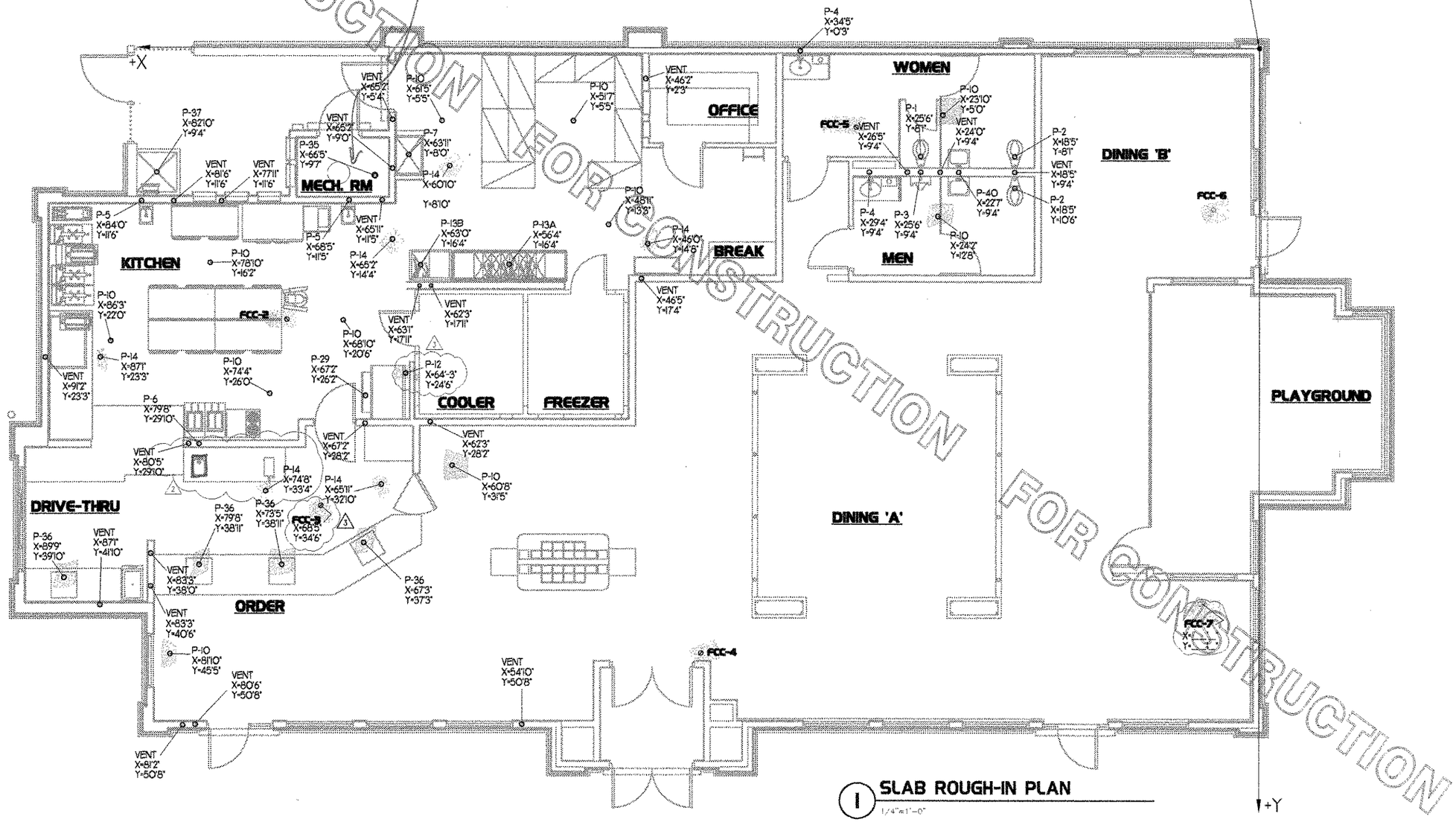
NO SCALE

IMPORTANT NOTE TO INSTALLER

EXCERCISE CAUTION WHEN LOCATING ROUGH-INS AT:
-DRIVE THRU AREA
-CUSTOMER WAIT AREA
DO NOT PULL TAPE FROM THE SLAB EDGE AT THESE AREAS WITHOUT COMPENSATING FOR DIFFERENCE IN OFFSETS.

Sump pit

BENCH-MARK ORIGIN FOR ROUGH-IN COORDINATES IS LOCATED AT OUTSIDE FACE OF SLAB EDGE. SEE WALL SECTION 5A/S3.0 ON STRUCTURAL PLANS.



1 SLAB ROUGH-IN PLAN

1/4"=1'-0"

NOT FOR CONSTRUCTION
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5200 Buffington Rd.
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30349-2998

Revisions:

Mark	Date	By	
2	9/24/04	TDG	DEFR COMMENTS
3	10/18/04	TG	CLIENT COMMENTS

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STORE SERIES
FSU 03-A

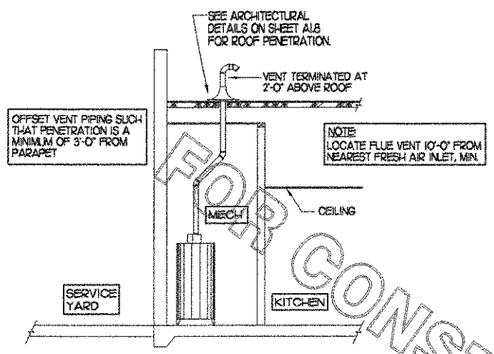
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
SLAB ROUGH-IN PLAN

DWG EDITION 03.8

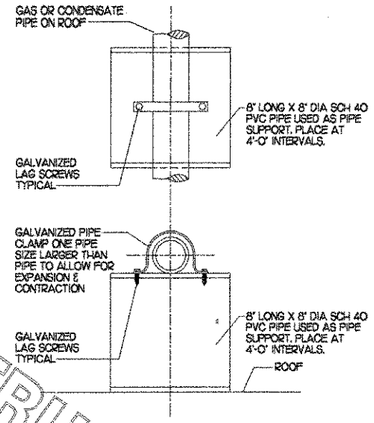
Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ____
Checked By: ____

Sheet
P-3.0



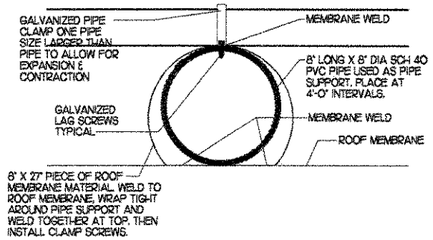
5 WATER HEATER VENT ROUTING

NO SCALE



6 PIPE ON ROOF SUPPORT

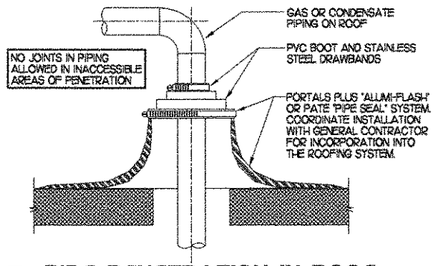
NO SCALE



7 PIPE ON ROOF SUPPORT

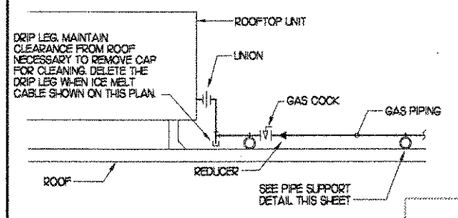
NO SCALE

GAS CONNECTION SCHEDULE	
EQUIPMENT	GAS LOAD
AC#1	235,000 BTUS
AC#2	235,000 BTUS
AC#3	235,000 BTUS
AC#4	125,000 BTUS
WATER HEATER	75,000 BTUS
EMERGENCY GENERATOR	160,000 BTUS
TOTAL CONNECTED LOAD	1065,000 BTUS
REMARKS:	1) EQUIVALENT TO 1065 CFH 2) 7" W.C. DELIVERY PRESSURE 3) TOTAL DEV. LENGTH = +/- 180'



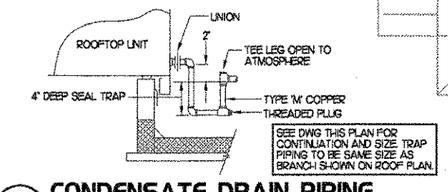
4 PIPE PENETRATION IN ROOF

NO SCALE



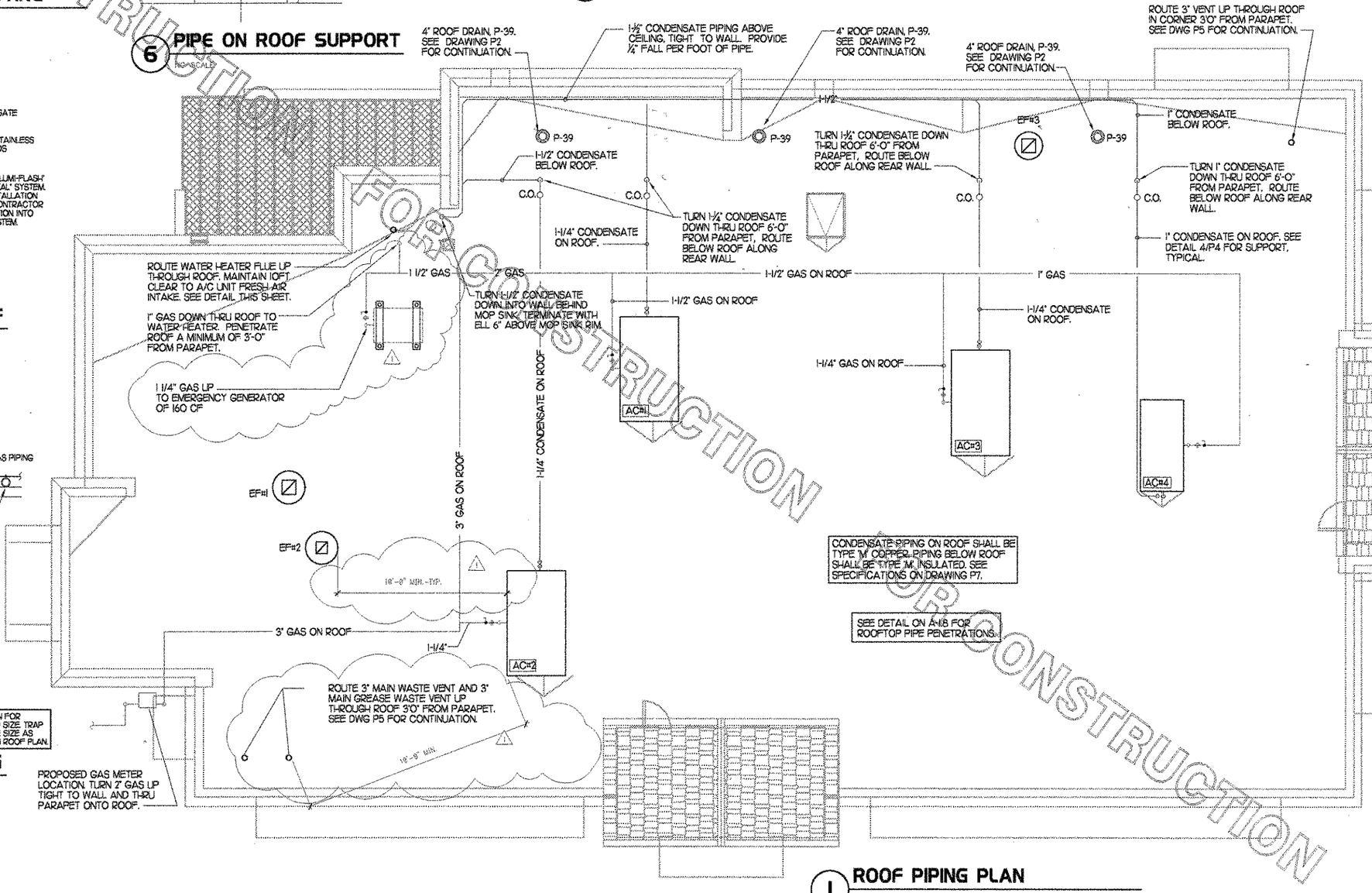
3 GAS PIPING AT RTU

NO SCALE



2 CONDENSATE DRAIN PIPING

NO SCALE



1 ROOF PIPING PLAN

1/4" = 1'-0"

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1	9/17/04	rss
	COORD. REVISIONS	

Mark	Date	By

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PIPING LEGEND

COLD WATER (CW)	
HOT WATER (HW)	
TEMPERED WATER (TW)	
FILTERED WATER (FW)	
PRE-FILTERED WATER (PW)	
VENT	
SANITARY	W

COORDINATE VENT TERMINAL LOCATION WITH FRESH AIR HOODS ON ROOFTOP EQUIPMENT SO AS TO MAINTAIN MINIMUM 10' CLEARANCE.

4", 2-WAY CO, P-15

4" S

3" V

4" WASTE, SEE SITE UTILITY PLAN PS-1 FOR CONTINUATION

WCO

4" SAN

3" VTR

P-36

3" FCO, P-14

P-10

P-6

P-5

P-37

P-35

P-7

P-29

P-12

P-13B

P-13A

½" TRAP PRIMER CONNECTION FROM P-33, SEE DETAIL 4/P6.

½" TRAP PRIMER CONNECTION FROM P-33, SEE DETAIL II/P6.

ROUTE 3" VENT TO FAR REAR CORNER OF BUILDING AND TURN UP THROUGH ROOF. SEE DWG P4 FOR LOCATION OF ROOF PENETRATION.

P-4

P-3

P-1

P-40

P-2

½" TRAP PRIMER CONNECTION FROM P-16, SEE 2/P5 FOR CONTINUATION.

4", 2-WAY CO, P-15

4" GW

4" GREASE WASTE, SEE SITE UTILITY PLAN PS-1 FOR CONTINUATION TO GREASE INTERCEPTORS.

1 WASTE RISER DIAGRAM

NO SCALE

½" HOT AND CW

P-7A BALL CHECKS INSTALLED ABOVE CEILING.

¾" FW UP.

¾" CPVC FW UP TO CARBONATORS.

½" FW DOWN TO TEA BREWER WITH P-24 & P-34.

¾" PW UP

1-½" CW UP

¾" FW

½" HW

¾" HW

½" CW

1" CW

1" HW

TEMPERING VALVE, P-20.

2" CW SERVICE TO BUILDING. SEE DWG P-1 FOR CONTINUATION - ROUTE PIPING UNDER SLAB IN BUILDING TO AVOID SUMP PUMP PIT.

WATER HEATER, P-19, SEE DETAIL I/P6.

½" HW & CW.

P-33

P-7

¾" DROP WITH BALLVALVE TO POST HYDRANT AND ½" CW DROP WITH TRAP PRIMER P-33, TO FLOOR DRAIN P-35. SEE 4/P6.

WATER SERVICE RISER IN MECH RM. SEE DETAIL 4/P6.

½" TW

½" HOT AND CW

P-6

½" FW

½" CW

⅜" FW TO COFFEE MAKER WITH P-24 AND P-34

1/2" CW TO TRAP PRIMER, P-33, WITH DISTRIBUTION UNIT IN WALL. PROVIDE ACCESS THRU BACK OF COUNTER. COORDINATE CUTTING OF BACKSIDE OF COUNTER WITH GC. SEE K-4.1 FOR LOCATION.

ROUTE 1/2" TO FLOOR DRAINS IN DINING AREA. SEE DWG P-1 FOR CONTINUATION.

back of counter pre-cut. Surface mount primer inside cabinet

P-25, ABOVE CEILING.

½" HW

2" CW SERVICE BELOW SLAB.

½" PW TO ICE MACHINE WITH P-23 & P-26

½" FW

P-8

P-30

P-9

¾" FW

1-½" CW

P-25, ABOVE CEILING.

1/2" FW WITH P-23 STOP FOR NON CARBONATED BEVERAGE.

1/2" FW TO EACH CARBONATOR WITH P-23 STOP.

½" TW

½" TW AND CW

P-4

½" CW

1-¼" CW

½" TW & CW

1-½" CW

P-3

P-1

P-40

P-2

1-¼" CW

¾" CW

BALL VALVE, TYPICAL.

P-11

1/2" CW FROM TRAP PRIMER, P-16, AT FLUSH VALVE TO FLOOR DRAIN.

P-16 primers & FCO drains

(XXX) KITCHEN EQUIPMENT NO. SEE KITCHEN EQUIPMENT SCHEDULE ON DWG P6 FOR EQUIPMENT DESCRIPTIONS.

2 WATER RISER DIAGRAM

NO SCALE

FOR CONSTRUCTION

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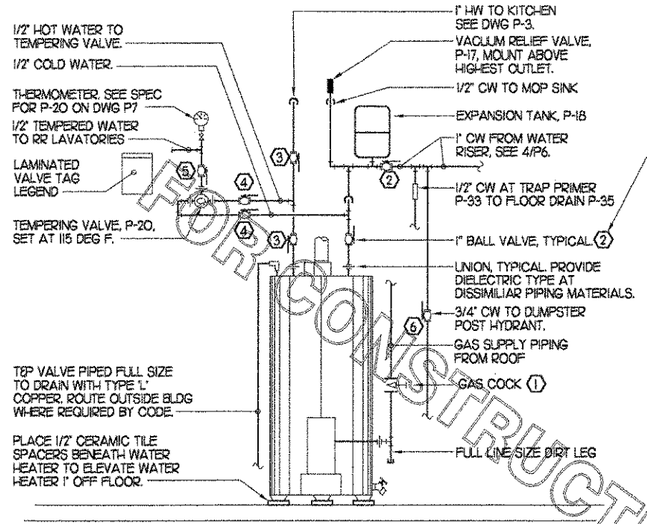


NOTES:
1. COORDINATE PIPING WITH MECHANICAL CONTRACTOR DUE TO VENT AND COMBUSTION AIR PIPING IN CLOSET.
2. SEE DETAIL 5/P4 FOR FLUE PIPING.

1 PIPING AT WATER HEATER
NO SCALE

NOTE TO WATER HEATER INSTALLER:
POSITION VALVES AND TRIM IN WATER HEATER CLOSET SUCH THAT VISIBLE OBSERVATION OF VALVES AND TRIM IS UNOBSTRUCTED AND SO THAT ACCESS FOR OPERATION OR REPAIR IS POSSIBLE WITHOUT USE OF STEP LADDERS OR ANY NEED TO DISASSEMBLE ANY COMPONENTS.

SEE VALVE TAG LEGEND FOR DESCRIPTION TYPICAL. PROVIDE 1-1/2" ROUND BRASS TAG WITH 1/2" HIGH BLACK FILLED LETTERING. EACH TAG SHALL INDICATE VALVE NUMBER AND WILL ALSO HAVE 'PLBG' STAMPED ON THE TAG IN 1/4" HIGH BLACK FILLED LETTERING EQUAL TO SEXTON #M4506. HANG WITH BRASS JACK CHAIN.

LAMINATE THE VALVE TAG LEGEND AND MOUNT PERMANENTLY WHERE SHOWN ON WATER HEATER DETAIL IN AN ALUMINUM FRAME EQUAL TO SETON #37386.

WATER HEATER VALVE TAG LEGEND

NOTE: VALVE IS OPEN WHEN HANDLE IS IN-LINE WITH PIPING.

(1) GAS SHUTOFF, NORMALLY OPEN.
(2) COLD WATER SUPPLY TO WATER HEATER SHUTOFF, NORMALLY OPEN.
(3) HOT WATER SUPPLY TO BUILDING SHUTOFF, NORMALLY OPEN.
(4) TEMPERING DEVICE ISOLATION VALVE, NORMALLY OPEN.
(5) TEMPERED WATER SHUTOFF, NORMALLY OPEN.
(6) DUMPSTER PAD POST HYDRANT SHUTOFF, NORMALLY OPEN.

KITCHEN EQUIPMENT SCHEDULE

TAG	DESCRIPTION	P.W.	F.W.	C.W.	H.W.	WASTE	ROUGH-IN
(124)	POT SINK	X	X	(2)1/2"	(2)1/2"	INDIRECT	P-9 17" AFF
(125)	VEGETABLE PREP SINK	1/2"	1/2"	X	1/2"	INDIRECT	P-8 & P-30 12" AFF
(207)	CARBONATOR	X	1/2"	X	X	X	P-23 107" AFF
(208)	BULK CO2 TANK	X	X	X	X	X	X
(212)	TEA BREWER	X	3/8"	X	X	X	P-24 48" AFF
(215)	COFFEE MAKER	X	3/8"	X	X	X	P-24 53" AFF
(221)	ICE BIN	X	X	X	X	INDIRECT	X
(222)	ICE MAKER	1/2"	X	X	X	INDIRECT	P-23 80" AFF
(223)	SELECTO WATER FILTERS	3/4"	3/4"	3/4"	X	X	SEE DET 4/P6
(850)	MOP SINK	X	X	1/2"	1/2"	INDIRECT	36" AFF

WATER FILTER BYPASS LEGEND

NOTE: VALVE IS OPEN WHEN HANDLE IS IN-LINE WITH PIPING.

FOR NORMAL OPERATION:
VALVES (6) (8) (10) CLOSED. ALL OTHER VALVES OPEN.

TO BYPASS FILTER SYSTEM:
CLOSE VALVES (1) (4) (7). OPEN VALVES (6) (10).

TO RETURN TO NORMAL OPERATION,
CLOSE VALVE (6) (10). OPEN VALVE (1) (4) (7).

IMPORTANT: DRAIN VALVE (8) TO REMAIN CLOSED AT ALL TIMES UNLESS MAIN WATER SHUT-OFF (12) IS CLOSED.

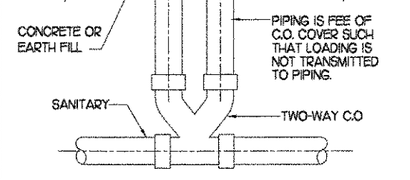
LAMINATE VALVE BYPASS LEGEND AND RIGIDLY ATTACH WHERE SHOWN ON RISER DETAIL IN AN ALUMINUM FRAME EQUAL TO SETON #37386.

5 VALVE BYPASS LEGEND
NO SCALE

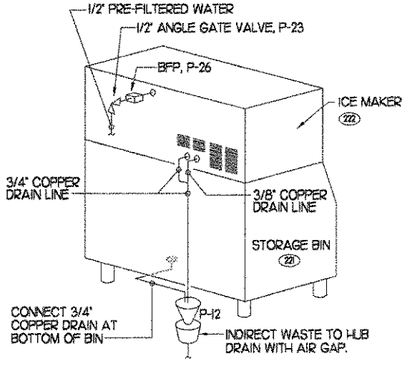
FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	F.W.	C.W.	H.W.	WASTE
P-1	WATER CLOSET - FLOOR MTD	X	1"	X	4"
P-2	WATER CLOSET - ADA FLOOR MTD	X	1"	X	4"
P-3	URINAL - ADA WALL HUNG	X	3/4"	X	2"
P-4	LAVATORY - ADA COUNTER TOP	X	1/2"	1/2"	1-1/4"
P-5	KITCHEN HAND SINK - WALL HUNG	X	1/2"	1/2"	1-1/2"
P-6	SINGLE COMP SINK - COUNTERTOP	X	1/2"	1/2"	1-1/2"
P-7	MOP SINK	X	1/2"	1/2"	3"
P-7A	MOP SINK CHECK VALVES	X	1/2"	1/2"	X
P-8	VEGETABLE PREP SINK	X	1/2"	1/2"	1-1/2"
P-9	POT SINK	X	1/2"	1/2"	1-1/2"
P-10	FLOOR DRAIN	X	X	X	3"
P-11	WALL HYDRANT (NON FREEZE)	X	3/4"	X	X
P-12	FLOOR SINK (3")	X	X	X	3"
P-13A	FLOOR SINK (3") 12" TOP	X	X	X	3"
P-13B	FLOOR SINK (3") 8" TOP	X	X	X	3"
P-14	CLEANOUT INSIDE BUILDING	X	X	X	SEE PLAN
P-15	CLEANOUT OUTSIDE BUILDING	X	X	X	SEE PLAN
P-16	TRAP PRIMER AT FLUSH VALVE	X	1/2"	X	X
P-17	VACUUM RELIEF VALVE	X	3/4"	X	X
P-18	EXPANSION TANK	X	3/4"	X	X
P-19	WATER HEATER	X	1"	1"	X
P-20	TEMPERING VALVE	X	1"	1"	X
P-21	BACKFLOW PREVENTER (BFP)	X	1-1/2"	X	X
P-22	PRESSURE REDUCING VALVE	X	1-1/2"	X	X
P-23	UTILITY CONNECTION	1/2"	X	X	X
P-24	UTILITY CONNECTION	3/8"	X	X	X
P-25	SHOCK ABSORBER	X	X	X	X
P-26	ICE MACHINE BACKFLOW PREVENTER	1/2"	X	X	X
P-27	WATER PRESSURE GAUGE	X	1/4"	X	X
P-28	CARBONATOR BACKFLOW PREVENTER	3/4"	3/4"	X	X
P-29	ICE MACHINE FLOOR SINK	X	X	X	3"
P-30	FILTERED WATER SPIGOT	1/2"	X	X	X
P-31	DUMPSTER POST HYDRANT	X	3/4"	X	X
P-32	DUMPSTER DRAIN	X	X	X	3"
P-33	TRAP PRIMER (MECHANICAL TYPE)	X	1/2"	X	X
P-34	DISPENSER BACKFLOW PREVENTER	3/8"	X	X	X
P-35	INDIRECT WASTE RECEIVER	X	X	X	3"
P-36	BEVERAGE TOWER INDIRECT RECEIVER	X	X	X	3"
P-37	CAN WASH DRAIN	X	X	X	3"
P-38	MIXING WALL HYDRANT	X	3/4"	3/4"	X
P-39	PRIMARY ROOF DRAIN	X	X	X	X
P-40	LAVATORY - ADA WALL HUNG	X	1/2"	1/2"	1-1/4"

NOTE: REFER TO FOOD SERVICE DRAWINGS FOR KITCHEN EQUIPMENT INSTALLATION AND HOOK-UP RESPONSIBILITIES.



2 SAN. C.O. OUTSIDE BUILDING
NO SCALE



3 ICE MACHINE PIPING
NO SCALE

LAMINATE THE VALVE TAG LEGEND AND RIGIDLY ATTACH TO CARBON FILTER MOUNTING BRACKET WHERE SHOWN ON FILTER DETAIL IN AN ALUMINUM FRAME EQUAL TO SETON #37386. PROVIDE 1-1/2" ROUND BRASS TAGS WITH 1/2" HIGH BLACK FILLED LETTERING.

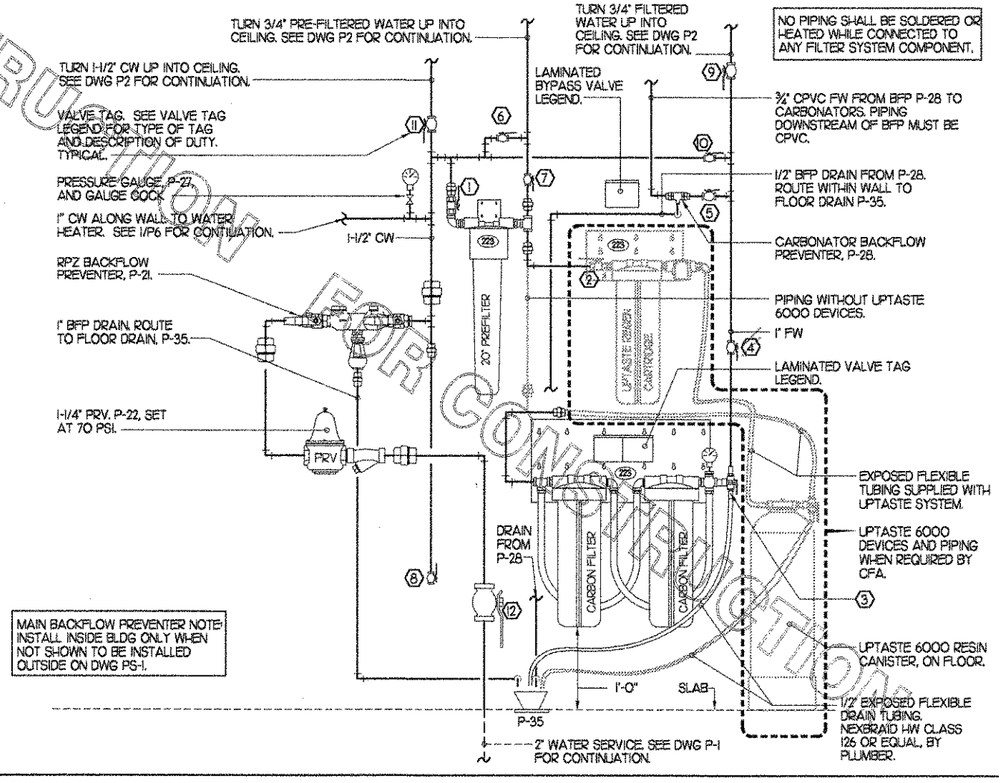
EACH VALVE TAG SHALL INDICATE VALVE NUMBER AND WILL ALSO HAVE 'PLBG' STAMPED ON THE TAG IN 1/4" HIGH BLACK FILLED LETTERING. HANG WITH BRASS JACK CHAIN.

WATER RISER VALVE TAG LEGEND

(1) INTEGRAL PRE-FILTER MAIN SUPPLY VALVE, NORMALLY OPEN.
(2) INTEGRAL UPTASTE ISOLATION VALVE, NORMALLY OPEN.
(3) CARBON FILTER INTEGRAL 3-WAY VALVE, NORMALLY SET TO "EQUIPMENT".
(4) CARBON FILTER ISOLATION VALVE, NORMALLY OPEN.
(5) CARBONATOR FILTERED WATER ISOLATION VALVE, NORMALLY OPEN.
(6) PRE-FILTER BYPASS VALVE, NORMALLY CLOSED.
(7) PREFILTERED WATER ISOLATION VALVE, NORMALLY OPEN. SERVES ICE MAKER & P-8 (CW ON VEG SINK FAUCET)
(8) MAIN DRAIN, NORMALLY CLOSED, THREADED CONNECTION.
(9) FILTERED WATER ISOLATION VALVE, NORMALLY OPEN. SERVES COFFEE BREWER, TEA BREWER AND P-30 (POT FILLER NEAR VEG. SINK)
(10) MAIN BYPASS VALVE, NORMALLY CLOSED.
(11) UNFILTERED DOMESTIC WATER, NORMALLY OPEN.
(12) MAIN WATER SUPPLY, NORMALLY OPEN.

NOTE: VALVE IS OPEN WHEN HANDLE IS IN-LINE WITH PIPING.

4 WATER SERVICE RISER / FILTER SYSTEM
NO SCALE



MAIN BACKFLOW PREVENTER NOTE: INSTALL INSIDE BLDG ONLY WHEN NOT SHOWN TO BE INSTALLED OUTSIDE ON DWG P5-1.

FOR CONSTRUCTION
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DETAILS
& SCHEDULES

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P-6.0

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 'L' HARD DRAWN COPPER. WATER SUPPLY PIPING TO SOFT DRINK CARBONATORS SHALL BE FLOWGUARD GOLD CPVC AS MANUFACTURED BY THOMPSON PLASTICS OR CHARLOTTE PIPE AND MEETING ASTM D-2846. SEE PLANS FOR LOCATION OF CPVC PIPING.
2. JOINTS FOR CPVC PIPING SHALL BE SOLVENT WELD TYPE WITH CEMENTS MEETING ASTM F-493 AND PRIMER MEETING ASTM F-656. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
3. ALL CONDENSATE PIPING ON THE ROOF SHALL BE TYPE 'M' HARD DRAWN COPPER.
4. DOMESTIC WATER AND CONDENSATE DRAIN PIPING BELOW SLAB AND OUTSIDE 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.
5. 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.
6. ALL SANITARY WASTE, VENT AND STORM DRAINAGE PIPING AND FITTINGS INSIDE THE BUILDING SHALL BE SCHEDULE 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE AND MEETING ASTM D-1785 AND D-2665. PVC PIPING OUTSIDE THE BUILDING SHALL BE TYPE SDR-35 MEETING ASTM D-3034.
7. JOINTS FOR DWV-PVC PIPING SHALL BE SOLVENT WELD TYPE INSIDE AND UNDERSLAB WITH CEMENTS MEETING ASTM D-2564 AND PRIMER MEETING ASTM F-656. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. EXTERIOR PIPING JOINTS SHALL BE NEOPRENE PUSH-ON TYPE.
8. 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 ½" THICK INSULATION FOR CONDENSATE PIPING AND HORIZONTAL RAIN WATER CONDUCTORS INSIDE THE BUILDING.
9. A PVC 25/50 PRE-FORMED COVER SHALL BE PROVIDED AT ALL INSULATED PIPING FITTINGS EQUAL TO PROTO PVC CORP LOSMOKE, 800-875-7768.
10. 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.
11. ALL NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL MEETING ASTM A53 WITH SCREWED OR WELDED FITTINGS AND GASKET TYPE UNIONS AND FLANGES. PIPING UNDER 2" SHALL BE SHALL BE JOINED WITH BLACK 150 POUND MALLEABLE IRON SCREWED FITTINGS. PIPING 2" AND LARGER SHALL BE WELDED.

PART 3 - EXECUTION

1. EXCAVATION, BACKFILLING AND TRENCH WORK SHALL BE DONE IN ACCORDANCE WITH O.S.H.A. AND EXISTING SAFETY STANDARDS.
   A. PROVIDE SHORING AND CLEANING NECESSARY TO KEEP TRENCHES IN GOOD WORKING CONDITION, INCLUDING PUMPING OUT WATER.
   B. IN MOSTLY ROCK MATERIAL, TRENCHES SHALL BE EXCAVATED TO 6" BELOW THE ELEVATION OF THE BOTTOM OF THE PIPES. AFTER EXCAVATION, TRENCH SHALL THEN BE FILLED TO THE PROPER ELEVATION WITH CRUSHED LIMESTONE. GRAVEL SHALL BE SCOOPED OUT UNDER PIPE BELLS SO THE PIPE RESTS FIRMLY ON THE TRENCH BOTTOM.
   C. IN MOSTLY EARTH OR SAND MATERIAL, TRENCHES SHALL BE EXCAVATED TO 6" BELOW THE ELEVATION OF THE BOTTOM OF THE PIPES. AFTER EXCAVATION, TRENCH SHALL THEN BE FILLED TO THE PROPER ELEVATION WITH FINE SAND OR GRAVEL. TRENCH BOTTOM SHALL BE SCOOPED OUT AT PIPE BELLS SO THE PIPE RESTS FIRMLY ON THE TRENCH BOTTOM.
   D. BACKFILLING AND TAMPING SHALL BE CAREFULLY DONE BY HAND SIMULTANEOUSLY ALONG BOTH SIDES OF THE PIPE USING ROCK FREE EARTH, CRUSHED STONE OR SAND UNTIL THE PIPE IS COVERED TO A DEPTH OF AT LEAST 12". BACKFILL SHALL BE ACCOMPLISHED IN SUCCESIVE 6" LAYERS. THE REST OF THE FILL-UP TO THE TOPSOIL LAYER MAY BE GRAVEL OR ROCK FREE EARTH.
   E. ACCEPTABLE SOIL MATERIALS FOR BACK FILL AND FILL SHALL BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS AND OTHER DELETERIOUS MATTER HAVING A PLASTICITY INDEX LESS THAN 30. BACKFILL SHALL BE ACCOMPLISHED IN LAYERS OF NOT MORE THAN 6" AND EACH LAYER SHALL BE COMPACTED. THE LAST 12" OF BACKFILL SHALL BE ROCK FREE TOPSOIL.
   F. SURFACE SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
2. PRESSURE REDUCING VALVE SHALL BE SET AT 70 PSI MAXIMUM. PRESSURE RELIEF VALVE SHALL BE SET AT 80 PSI MAXIMUM.
3. EXPOSED HOT AND COLD WATER TRIM IN FINISHED AREAS SHALL BE CHROME FINISHED.
4. ALL HORIZONTAL AND VERTICAL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL CODE RECOMMENDATIONS. SUPPORTS SHALL SECURELY HOLD PIPING, PREVENT VIBRATION, COMPENSATE FOR ALL STATIC AND OPERATIONAL CONDITIONS OF THE VARIOUS SYSTEMS AND SHALL NOT BE SUBJECT TO ELECTROLYTIC ACTION. SHOCK ABSORBERS SERVICING FIXTURES WITH FLUSH VALVES SHALL BE SECURELY ANCHORED IN THEIR VERTICAL POSITION. ACCEPTABLE METHODS OF SUPPORT WILL BE THE SUMMER SYSTEM, POSIFIX, STAKFIX, PIPEFIX, HOLDRITE OR CHANNEL.
5. PROVIDE J.R. SMITH OR APPROVED EQUAL SHOCK ABSORBERS #5005 THRU 5050 SIZE AS RECOMMENDED BY MANUFACTURER INSTALLED ON HOT AND COLD WATER BRANCH LINES CONTAINING SINGLE LEVER FAUCETS, FLUSH VALVES OR EQUIPMENT WITH QUICK CLOSING VALVES BETWEEN THE LAST TWO FIXTURES AS SHOWN ON THE CONTRACT DRAWINGS.
6. SANITARY WASTE LINES SHALL BE UNIFORMLY GRADED TO ELEVATIONS SHOWN. IF NO ELEVATIONS ARE GIVEN, SEWERS SHALL BE PITCHED NOT LESS THAN 1/4" PER FOOT FOR ALL PIPING 2-1/2" IN DIAMETER AND SMALLER AND 1/8" PER FOOT FOR ALL PIPING 3" IN DIAMETER AND LARGER.
7. SUPPORT HORIZONTAL PIPING AS FOLLOWS:

NOMINAL PIPE SIZE (IN)	MAXIMUM DISTANCE BETWEEN SUPPORT (FT)	MINIMUM HANGER DIAMETER (IN)
1/2	6	3/8
3/4 TO 1-1/2	6	3/8
2 TO 2-1/2	10	3/8
3 TO 6	12	1/2

8. HANGERS FOR PIPING GREATER THAN 1" SHALL PASS OVER THE INSULATION. PROVIDE SADDLES FOR INSULATED PIPING.
9. 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.
10. PROVIDE AND INSTALL A CUT-OFF VALVE, UNION AND FULL SIZE DIRT LEG AT CONNECTION TO EACH GAS-FIRED PIECE OF EQUIPMENT.
11. THE SYSTEM TESTS DESCRIBED HEREIN ARE MINIMUM REQUIREMENTS. HOWEVER, ADDITIONAL TESTS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION SHALL ALSO BE PERFORMED.
12. DOMESTIC COPPER WATER PIPING SHALL BE TESTED HYDROSTATICALLY AT 100 PSI. ALL AIR MUST BE REMOVED PRIOR TO TESTING. IN ADDITION PIPING SHALL BE TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS. CPVC WATER PIPING SHALL BE TESTED AT 75 PSI.
13. THE DOMESTIC WATER SYSTEM SHALL BE FLUSHED OUT PROGRESSIVELY BY OPENING OUTLETS AND FLOWING WATER UNTIL IT RUNS CLEAR. AFTER PIPE CLEANING IS COMPLETED, THE STRAINERS SHALL BE REMOVED, CLEANED, AND REPLACED. THEN THE ENTIRE DOMESTIC WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.
14. THE SANITARY WASTE SYSTEM SHALL BE FLUSHED OUT PROGRESSIVELY WITH FLOWING WATER UNTIL IT RUNS CLEAR.
15. THE ENTIRE SANITARY WASTE SYSTEM AND STORM DRAINAGE SYSTEM SHALL BE TESTED AGAINST A HEAD PRESSURE OF 10FT. ALL AIR MUST BE REMOVED PRIOR TO TESTING. IN ADDITION PIPING SHALL BE TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.
16. NATURAL GAS PIPING SHALL BE LEAK TESTED AT 10 PSI. ALL PIPING ABOVE ROOF SHALL BE CLEANED FREE OF RUST AND PAINTED WITH COAT OF ZINC RUST PRIMER AND ONE COAT OF ALUMINUM BASE PAINT. METER AND GAS RISER SHALL BE PRIMED AND PAINTED TO MATCH BUILDING. APPLY TWO COATS OF ASPHALTUM BASE PAINT TO PIPING BURIED UNDERGROUND.
17. STORM PIPING SHALL BE SLOPED AT ¼"/FT (2%) UNLESS NOTED OTHERWISE ON PLANS.

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. CONTRACTOR SHALL SUBSTITUTE MODELS FOR LOW FLUSH WATER CLOSETS AND URINALS ONLY AS REQUIRED BY LOCAL AND STATE CODES.
   C. FIXTURES SHALL BE MOUNTED RIGID TO WALLS AND FLOOR.
   D. FIXTURES: ELJER, KOHLER OR AMERICAN STANDARD.
   E. FITTINGS: AS SPECIFIED ON THE PLANS. NO SUBSTITUTIONS ALLOWED.
   F. FLUSH VALVES: SLOAN VALVE COMPANY, NO SUBSTITUTIONS ALLOWED.
   G. TOILET SEATS: BEMIS. NO SUBSTITUTIONS ALLOWED.
   H. DRAINS, HYDRANTS, CARRIERS AND SHOCK ABSORBERS: JAY R. SMITH, JONES STEPHENS CORP., ZURN, WADE, OR JOSAM.
   I. 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-1 WATER CLOSET: FLOOR MOUNTED, FLUSH VALVE, ELJER MODEL 111-2125 SIGNATURE, 1.5 GALLON, VITREOUS CHINA, 1-1/2" TOP SPUD, ELONGATED BOWL, SLOAN ROYAL 111 ADA FLUSH VALVE, BEMIS MFG. CO. 1955C WHITE OPEN FRONT SEAT. KOHLER K-4350 WELLCOMME OR AMERICAN STANDARD 2234.015 MADERA ARE ACCEPTABLE SUBSTITUTES.

P-2 WATER CLOSET: H.C. ACCESSIBLE, FLOOR MOUNTED, FLUSH VALVE, ELJER MODEL 111-2145 SIGNATURE, 1.5 GALLON, VITREOUS CHINA, 16-3/4" HIGH, 1-1/2" TOP SPUD, ELONGATED BOWL, SLOAN ROYAL 111-TP FLUSH VALVE WITH TRAP PRIMER OPTION, BEMIS MFG. CO. 1955C WHITE OPEN FRONT SEAT. KOHLER K-4302 HIGHCREST OR AMERICAN STANDARD 2305.100 ARE ACCEPTABLE SUBSTITUTES.

P-3 URINAL: ELJER CORRECTO, MODEL 161-1030, VITREOUS CHINA, WITH A 3/4" TOP SPUD AND A SLOAN ROYAL 186-1 (ONE GALLON) FLUSH VALVE. KOHLER K-4960-ET BARDON OR AMERICAN STANDARD 6501.010 WASHBROOK ARE ACCEPTABLE SUBSTITUTES.

P-4 LAVATORY ROUGH IN: ELJER 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: (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 ROUGH IN: (FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE 8912 POLISHED CHROME P-TRAP AND MCGUIRE 175 SUPPLIES WITH STOPS.

P-7 MOP SINK FAUCET: (36X24X12 STAINLESS STEEL MOP SINK FURNISHED BY OWNER) PROVIDE T&S BRASS MODEL B-0665-BSTP FAUCET WITH VACUUM BREAKER, TOP BRACE, 3/4" HOSE THREAD, 8" CENTER SPREAD.

P-7A MOP SINK AND CAN WASH CHECK VALVES: T&S BRASS 1/2" MODEL B-CVVI-2 BALL CHECK.

P-8 VEGETABLE PREP SINK ROUGH-IN (FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL SINK AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE 177 SUPPLIES WITH STOPS AND 36" RISERS, PROVIDE CHICAGO 510-GC PRE-RINSE SPRAYER WITH 12" HIGH RISER, CHICAGO 613A-DJ18 FAUCET WITH 369 HANDLE AND E3 2 GPM FLOW RESTRICTOR. COPPER INDIRECT WASTE, NO P-TRAP REQUIRED. T&S BRASS B-0133-B PRE-RINSE SPRAYER WITH 12" HIGH RISER AND B-0155 FAUCET WITH 15" DJ SPOUT EQUIVALENTS ACCEPTED.

P-9 FOUR COMPARTMENT POT SINK ROUGH-IN: (FURNISHED BY OWNER) CONTRACTOR SHALL INSTALL SINK AND MAKE FINAL CONNECTIONS. PROVIDE (2) MCGUIRE 177 SUPPLIES WITH STOPS AND 36" RISERS, PROVIDE CHICAGO 510-GC PRE-RINSE SPRAYER ON LEFT SIDE WITH 12" HIGH RISER, CHICAGO 613A-DJ18 FAUCET, PROVIDE CHICAGO 445-DJ18 ON RIGHT SIDE. BOTH FAUCETS TO HAVE 369 HANDLES AND E3 2 GPM FLOW RESTRICTORS. COPPER INDIRECT WASTE, NO P-TRAPS REQUIRED. T&S BRASS B-0133-B PRE-RINSE SPRAYER, B-0155 ADD-ON FAUCET WITH 12" HIGH RISER, 18" DJ SPOUT AND B-0597 RIGHT SIDE FAUCET EQUIVALENTS ACCEPTED.

P-10 FLOOR DRAIN (3"): JONES STEPHENS CORP D50-064 PVC BODY, BRONZE SPUD WITH 6" DIAMETER NICKEL BRONZE STRAINER. SEE DWG P1 FOR DRAINS IN DINING AND RESTROOMS REQUIRING 1/2" TRAP PRIMER CONNECTION.

P-11 WALL HYDRANT (NON-FREEZE): WOODFORD MODEL 67-C AUTOMATIC DRAINING WALL HYDRANT WITH DUAL CHECK BFP, ASSE 1052 APPROVED, WALL CLAMP, SEE ARCH PLANS FOR WALL THICKNESS, POLISHED BRASS FINISH.

P-12 INDIRECT WASTE RECEIVER (3"): JR. SMITH 3510L03-FII FUNNEL-CEPTOR 3" INDIRECT WASTE RECEIVER WITH 6" ROUND NICKEL BRONZE STRAINER AND 4" ROUND FUNNEL.

P-13A 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-13B 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 6-1/2" 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-16 TRAP PRIMER: SLOAN ROYAL MODEL VBF-72-AI WITH VACUUM BREAKER.

P-17 VACUUM RELIEF VALVE: WATTS MODEL #N36, 3/4" CONNECTION.

P-18 EXPANSION TANK: STATE INDUSTRIES MODEL ETC-5X, ACCEPTANCE 3.05 GALLONS AT 40 PSI PRECHARGE, 3/4" CONNECTION.

P-19 WATER HEATER: STATE INDUSTRIES MODEL PR6-75-XRVIT, 75 GALLON GAS FIRED WATER HEATER, 75,000 BTUH INPUT, 68 GPH RECOVERY AT 100 DEGREE RISE, 3" PVC OR ABS VENT OUTLET. CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH STATE INDUSTRIES. WATER HEATER MUST BE PURCHASED BY THE PLUMBING CONTRACTOR AFTER CALLING STATE AT 800-365-8170 EXT 6242 FOR PRICING AND LOCATION OF THE NEAREST STATE DISTRIBUTOR.

P-20 TEMPERING VALVE: SYMMONS MODEL 5-120-CKX BRASS BODY, THERMOSTATIC TYPE, 15 GPM @ 45 PSI DIFFERENTIAL, 4 GPM @ 5 PSI DIFFERENTIAL, 1/2" IPS INLETS AND OUTLETS WITH CHECKSTOPS. SET TEMPERATURE AT 115 DEG. PROVIDE TRERICE MODEL 883404 3" DIAL TYPE THERMOMETER WITH BOTTOM 1/2" N.P.T. CONNECTION, 4" STEM AND 25F TO 125 F RANGE.

P-21 1-1/2" BACKFLOW PREVENTERS

DOUBLE CHECK TYPE:
WATTS NO. U007M2 DUAL CHECK MODULAR TYPE BACKFLOW PREVENTER MEETING ASSE 1015 AND AWWA C510-92. WHERE REQUIRED BY LOCAL AUTHORITY, USE THE RPZ TYPE BFP SHOWN BELOW. COORDINATE LOCATION WITH DRAWING PS-1. BACKFLOW PREVENTER TYPE AND MODEL IS DETERMINED BY CIVIL ENGINEER IF LOCATED OUTSIDE THE BUILDING.

RPZ TYPE:
1-1/2" REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER: WATTS NO. U009M2 MODULAR TYPE WITH TEST PORTS AND INTERMEDIATE RELIEF VALVE MEETING ASSE 1013 AND AWWA C511-89. PROVIDE WATTS NO. 909-AG-C AIR GAP DEVICE.

P-22 1-1/4" PRESSURE REDUCING VALVE: WATTS NO. #223-SB WITH BRONZE STRAINER AND BYPASS FEATURE. SET NO FLOW CONDITION AT 70 PSI.

P-23 UTILITY CONNECTION: PROVIDE A MCGUIRE 1/2"X 1/2" OD MODEL 570B 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: PROVIDE A MCGUIRE 1/2"X 3/8" OD MODEL 570 CHROME WHEEL ANGLE STOP AND CHROME WALL ESCUTCHEON. INSTALL QUICK DISCONNECT AND FLEXIBLE TUBING PROVIDED BY CHICK-FIL-A.

P-25 SHOCK ABSORBER: J.R. 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 WATER PRESSURE GAUGE: TRERICE MODEL 800, 2-1/2" ROUND, BOTTOM OUTLET WITH 1/4" N.P.T. CONNECTION AND 0 TO 100 PSI RANGE.

P-28 CARBONATOR WATER SUPPLY BACKFLOW PREVENTER: WATTS MODEL #9DM2 DOUBLE CHECK WITH INTERMEDIATE ATMOSPHERIC VENT AND 3/4" THREADED CONNECTIONS.

P-29 ICE MACHINE FLOOR SINK: J.R. SMITH 3411L04-10 SANI-CEPTOR CAST IRON INDIRECT WASTE RECEIVER WITH 8" SQ. BODY, SEDIMENT BUCKET AND NO STRAINER.

P-30 FILTERED WATER FAUCET: CHICAGO FAUCETS MODEL 332-DJ18, BACKSHELF MOUNT, SINGLE INLET, DOUBLE JOINTED 18" SPOUT, CHROME FINISH. MOUNT ON BACKSPLASH OF VEGETABLE PREP SINK ON LEFT SIDE. PROVIDE MCGUIRE 167 CLOSET SUPPLY WITH 20" RISER, STOP AND ESCUTCHEON. T&S BRASS B-0592 FAUCET EQUIVALENT ACCEPTED.

P-31 3/4" DUMPSTER POST HYDRANT (NON-FREEZE): WOODFORD MODEL Y2 LEVER TYPE POST HYDRANT, 3/4 HOSE CONNECTION, LOCKABLE LEVER HANDLE, BRASS CASING, BRASS OPERATING ROD, ASSE 1052 APPROVED AND 24" DEPTH OF BURY.

P-32 DUMPSTER PAD DRAIN: J.R. SMITH FIGURE NO. 2280C03 3" FLOOR DRAIN WITH 7-1/2" HINGED CAST IRON SLOTTED GRATE AND SEDIMENT BUCKET.

P-33 TRAP PRIMER (MECHANICAL TYPE): PRECISION PRODUCTS PR-500 WITH DISTRIBUTION UNIT WHERE SERVING MULTIPLE DRAINS.

P-34 DISPENSER BACKFLOW PREVENTER: WATTS MODEL #7C WITH 3/8" INLET AND OUTLET, DUAL CHECK TYPE.

P-35 FLOOR DRAIN/RECEIVER (3"): J.R. SMITH 3510L03-FIC-P050 3" DRAIN WITH FUNNEL AND 6" ROUND NICKEL BRONZE STRAINER, 1/2" TRAP PRIMER CONNECTION.

P-36 BEVERAGE TOWER INDIRECT RECEIVER (3"): JONES STEPHENS CORP D50-064 PVC BODY, BRONZE SPUD WITH 6" DIAMETER NICKEL BRONZE STRAINER.

P-37 CAN WASH DRAIN: PLUMBER TO PROVIDE J.R. SMITH FIGURE NO. 3021C03-19 3" DRAIN WITH 8-1/2" ROUND HINGED GRATE AND SEDIMENT BUCKET. CAN WASH FIXTURE BY BUILT BY GC.

P-38 3/4" MIXING WALL HYDRANT (NON-FREEZE): WOODFORD MODEL HC67 MIXING WALL HYDRANT, 3/4 HOSE CONNECTION, WALL CLAMP, ASSE 1052 APPROVED, CHROME FINISH, SPECIFY 1" WOODFORD WALL THICKNESS.

P-39 PRIMARY ROOF DRAIN: J.R. SMITH FIGURE NO. 1015-C-2-CID 4" ROOF DRAIN WITH UNDERDECK CLAMP SUMP RECEIVER, CAST IRON DOME AND ADJUSTABLE EXTENSION.

P-40 LAVATORY: 20"X 18" H.C. ACCESSIBLE WALL HUNG ELJER SIGNATURE MODEL 051-2104, VITREOUS CHINA WITH BACKSPLASH, ELJER 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 J.R. SMITH 722 CONCEALED ARM CARRIER. PROVIDE A TRUEBRO INC. HANDI LAV-GUARD INSULATION KIT MODEL 103W. AMERICAN STANDARD 0355.012 LUCERNE LAV WITH RELIANT 2385.403 FAUCET IS AN ACCEPTABLE SUBSTITUTE. DELTA 523-WF-DF SINGLE LEVER FAUCET IS AN ACCEPTABLE SUBSTITUTE IN ALL CASES.

At. Restroom →

FOR CONSTRUCTION PERSONS REGISTERED FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

Seal

AA 004320
CA 6660
933 LEE ROAD, FIRST FLOOR
ORLANDO, FLORIDA 32810
PH 407.645.5008
FX 407.629.9124

INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
PLUMBING SPECIFICATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

Sheet
P-7.0

Flood clean-outs - flat NO slope

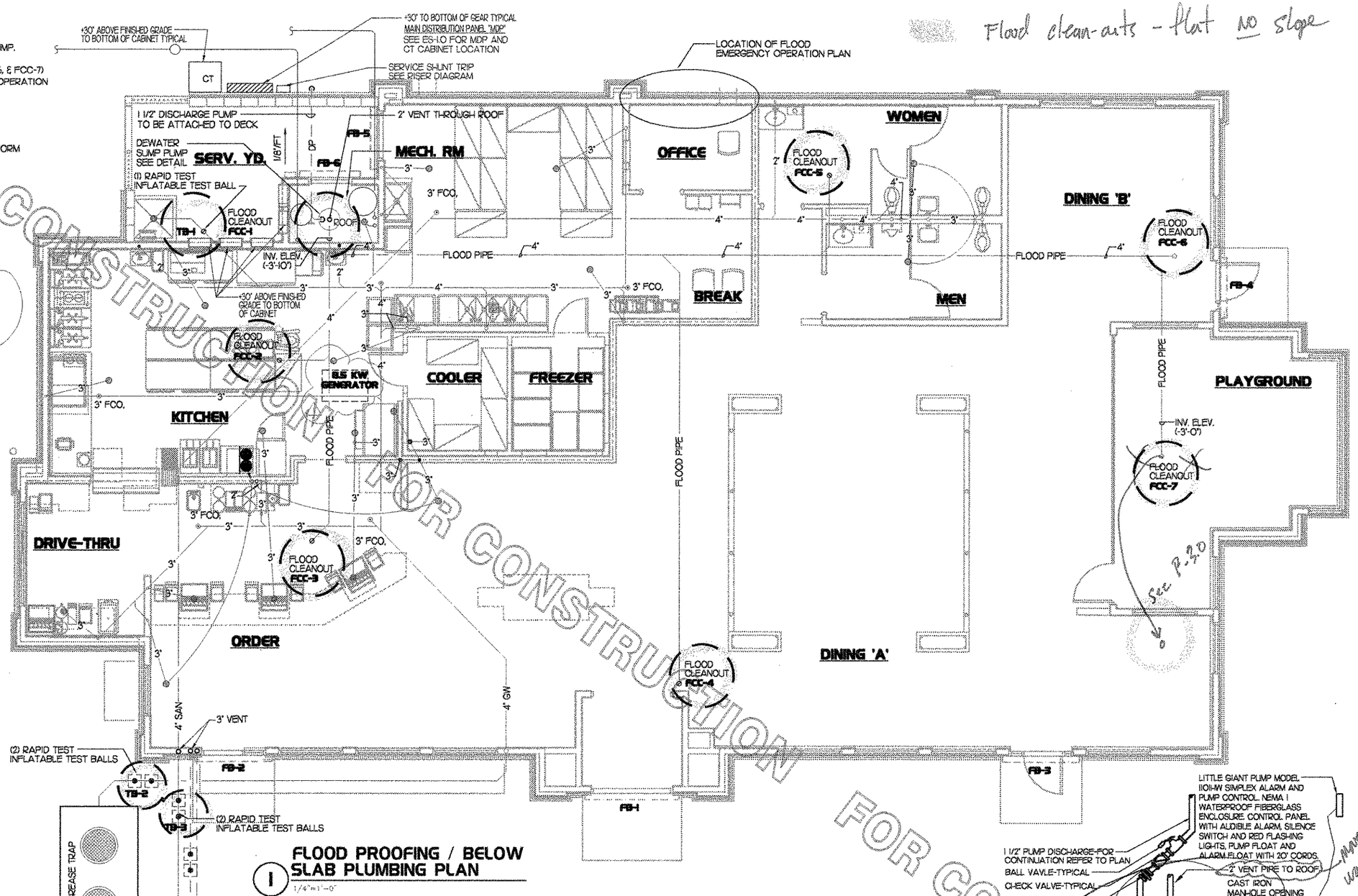
FLOOD PROTECTION SET UP / PREPARATION

A. SET UP GENERATOR FOR POWERING SUMP PUMP.
B. REMOVE FLOOD CLEANOUT COVERS
(FCC-1 , FCC-2 , FCC-3, FCC-4, FCC- 5, FCC-6, & FCC-7)
C. CONNECT TO POWER AND TEST SUMP PUMP OPERATION
D. INSERT AND INFLATE TEST BALLS
(TB-1 , TB-2 , TB-3, TB-4)
E. INSTALL FLOOD BARRIERS AT DOOR.
(FB-1 , FB-2 , FB-3, FB-4 , FB-5, FB-6)
(RE: ATTACHMENT "A")
NOTE: IF HIGH WINDS ARE EXPECTED THEN STORM SHUTTERS TO BE INSTALLED PRIOR TO FLOOD BARRIERS
(RE: ATTACHMENT "A")

FLOOR FLOOD CLEANOUT
JAY R SMITH MODEL # 4131- 4" PIPE SIZE
COVER PLATE TO BE ENGRAVED "FLOOD"

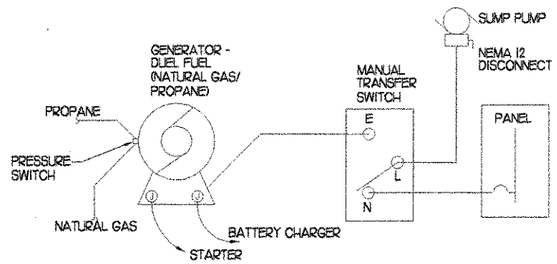
PIPING MATERIAL
CAST IRON PIPE

ELECTRIC GENERATOR (FOR SUMP PUMP)
1 KOHLER MODEL 15RYG-4J7 15KW GENERATOR
120/208 3 PHASE 45 AMPS
DUEL FUEL, NATURAL GAS/PROPANE
WEATHER HOUSING, BATTERY WITH CHARGER
ROOF MOUNTED (RE: A1.7)



1 FLOOD PROOFING / BELOW SLAB PLUMBING PLAN

1/4"=1'-0"



2 PARTIAL ELECTRICAL RISER

N.T.S.

DEWATERING SIZE PUMP

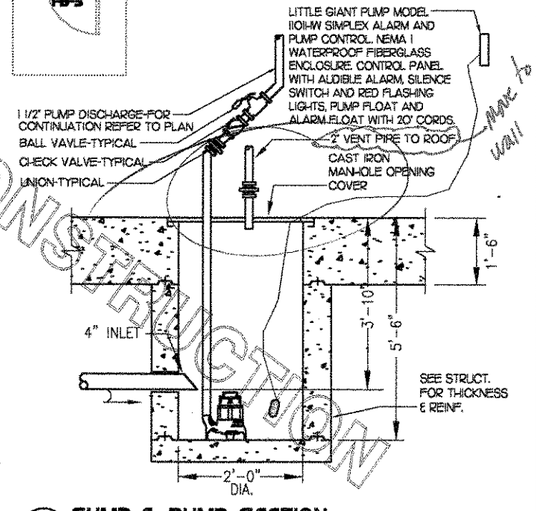
4"/24 HR =0.16"/HR
0.16"/HR/60 MIN. = 0.0028"/MIN
0.0028"/MIN/12FT = 0.00024 FT/MIN
4571 FT SQ X 0.00024 FT/MIN. = 1.015 CU FT/MIN.
1.015 CU FT/MIN. = 15 GPM

DEWATERING PUMP

FURNISH AND INSTALL WHERE INDICATED ON PLAN ONE SUBMERSIBLE EJECTOR PUMP RATED TO DELIVER 15 GPM AT 25' OF HEAD WITH 3/4 HORSEPOWER, 115 VAC, SINGLE PHASE 1750 RPM NON-OVERLOADING SUBMERSIBLE MOTOR.

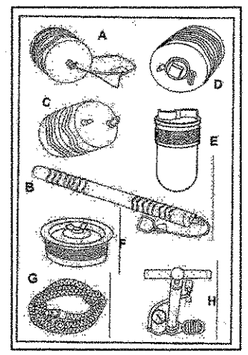
CONTROLS: 1 ADJUSTABLE MERCURY FLOAT SWITCH WITH 20' CORD AND PLUG WITH MOUNTING STRAP AND ONE NEMA4

SUMP: 24" DIAMETER ROUND CONCRETE BASIN (SEE STRUCT.) APPROX. 60" DEEP. INLET, DISCHARGE, VENT AND ELECTRICAL CONNECTIONS SHALL BE TOP MOUNT W/ DISCHARGE OUTSIDE SERVICE AREA WALL. RUN PIPING UP WALL, ALONG SERVICE AREA FENCE/ROOF.



3 SUMP & PUMP SECTION

N.T.S.



RAPID INSTALLATION OF INFLATABLE TEST BALLS

TB-1 = ONE (1) TEST BALL
TB-2 = TWO (2) TEST BALLS
TB-3 = TWO (2) TEST BALLS
TB-4 = TWO (2) TEST BALLS

FOR CONSTRUCTION
FOR CONSTRUCTION
FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rea
	COORD REVISIONS	

Seal

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INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
FLOOD PLUMB. ELECT. PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ____
Checked By: ____

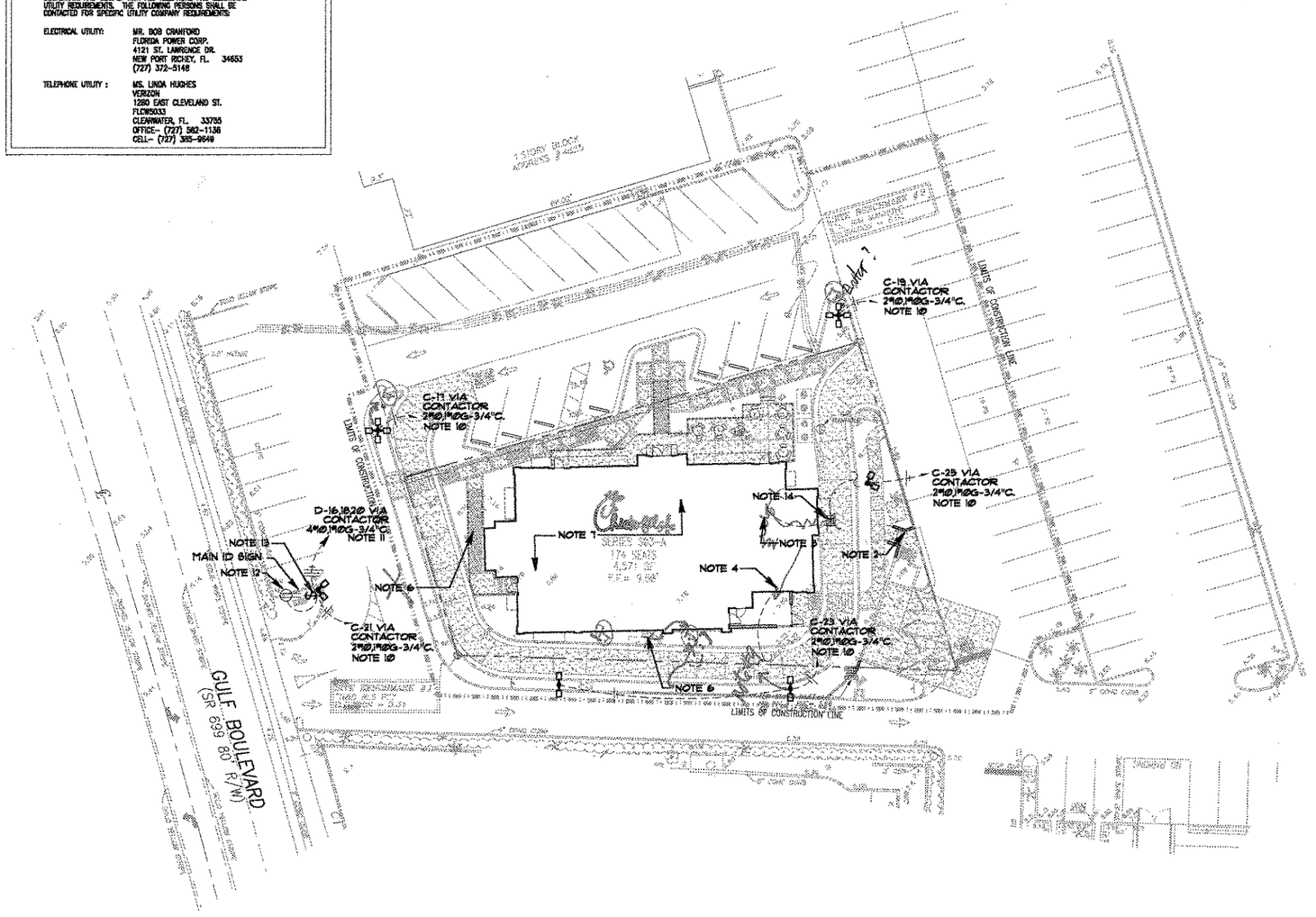
Sheet
P-8.0

POWER/TELEPHONE UTILITIES:

COORDINATE AND COMPLY WITH ALL TELEPHONE AND ELECTRICAL UTILITY REQUIREMENTS. THE FOLLOWING PERSONS SHALL BE CONTACTED FOR SPECIFIC UTILITY COMPANY REQUIREMENTS:

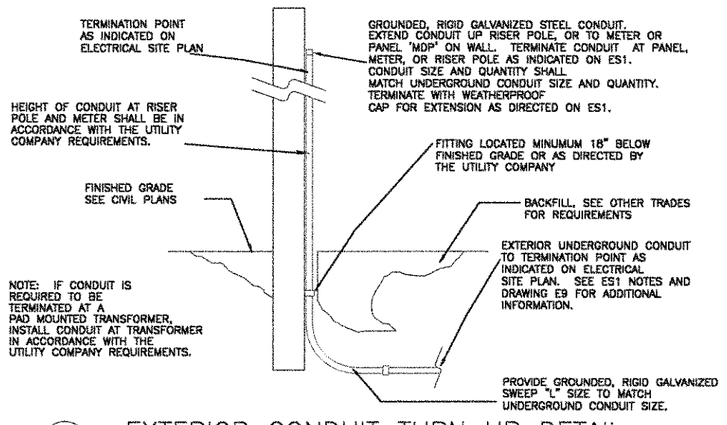
ELECTRICAL UTILITY: MR. BOB CRAWFORD
FLORIDA POWER CORP.
4121 ST. LAWRENCE DR.
NEW PORT RICHEY, FL. 34653
(727) 372-5148

TELEPHONE UTILITY : MS. LINDA HUGHES
VERIZON
1260 EAST CLEVELAND ST.
FLCW0033
CLEARWATER, FL. 33755
OFFICE- (727) 562-1136
CELL- (727) 385-9548



ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION (UNLESS OTHERWISE NOTED ON PLANS)
T	UTILITY COMPANY TRANSFORMER, (208 VOLT, 3 PHASE, 4 WIRE SECONDARY)
$	S.P.S.T. LIGHT SWITCH (600V AC QUIET TYPE)
GFCI	DUPLEX RECEPTACLE GROUND FAULT CIRCUIT INTERRUPTER
	CONDUIT HOMERUN TO PANEL
J	JUNCTION BOX (SINGLE GANG STEEL WHERE WALL MOUNTED, 4" SQ. STEEL WHERE CEILING MOUNTED, UNLESS NOTED OTHERWISE)
	CONDUIT BURIED BELOW GRADE
	CONCRETE SQUARE TAPERED POLE MOUNTED SITE LIGHTING FIXTURE



2 / ES1 EXTERIOR CONDUIT TURN UP DETAIL
SCALE: NONE

GENERAL ELECTRICAL NOTES:
(APPLY TO ES1 ONLY)

1. VERIFY WITH LOCAL AUTHORITIES AND UTILITIES THAT OWNER'S SIGNS, POLES AND THEIR APPURTENANCES ARE NOT LOCATED ON OR OVER ANY EASEMENT OR MUNICIPAL RIGHT OF WAY.
2. SITE WORK, UTILITY, AND ROADWAY INFORMATION ARE TAKEN FROM BOUNDARY AND TOPO SURVEY SITE PLANS. REFER TO C-DRAWINGS.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4"C. MINIMUM CONDUCTOR SIZE SHALL BE #10AWG COPPER UNLESS OTHERWISE NOTED.
4. REFER TO BUILDING ELECTRICAL DRAWINGS (E SERIES) FOR EXTERIOR LIGHTING CONTROL.
5. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONLY NEW AND U.L. LABELED ELECTRICAL EQUIPMENT, UNLESS INDICATED OTHERWISE BY THE CONTRACT DOCUMENTS.
6. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL CONTACT ALL UTILITIES FOR VERIFICATION AND IDENTIFICATION OF ALL UNDERGROUND RUNS, PRIOR TO SITE TRENCHING ("CALL BEFORE YOU DIG".)
7. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70), AND THE LIFE SAFETY CODE (NFPA 101), AS ADOPTED AND/ OR AMENDED BY STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
8. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL COORDINATE AND FIELD VERIFY LOCATIONS OF ALL UTILITY SERVICE RUNS, ORIGINATIONS, TERMINATIONS AND ANY INSTALLATION REQUIREMENTS (i.e. ELECTRICAL, TELEPHONE, WATER, GAS, SEWAGE, ETC.), AS RELATED TO THIS JOB, OR THEREBY EFFECTED.

ELECTRICAL SITE NOTES:

1. APPROXIMATE LOCATION OF UNDERGROUND PRIMARY ELECTRICAL UTILITY LINES FURNISHED AND INSTALLED BY THE UTILITY.
2. APPROXIMATE LOCATION OF TRANSFORMER FURNISHED BY ELECTRICAL UTILITY COMPANY. ELECTRICAL CONTRACTOR SHALL PROVIDE:
   a. SECONDARY SERVICE LATERAL, SEE AS REQUIRED BY SHEET E9, "POWER SYSTEM ONE-LINE DIAGRAM." REFER TO "SECONDARY ELECTRICAL SERVICE UNDERGROUND CONDUIT DETAIL", SHEET E9 FOR ADDITIONAL INFORMATION.
   b. METERING CONDUIT. SEE NOTE-14.
3. APPROXIMATE LOCATION OF TERMINATION OF SECONDARY SERVICE LATERAL AT PANEL 'MDP'. REFER TO "POWER SYSTEM ONE-LINE DIAGRAM", SHEET E9, FOR ADDITIONAL INFORMATION.
4. PROVIDE 2" CONDUIT FOR TELEPHONE SERVICE FROM PROPERTY LINE TO JUNCTION BOX IN OFFICE. REFER TO SHEET E2 FOR LOCATION OF JUNCTION BOX IN OFFICE. REFER TO "TELEPHONE SERVICE UNDERGROUND CONDUIT DETAIL", SHEET E9 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF TERMINATION POINT WITH TELEPHONE UTILITY. TERMINATE CONDUITS IN MANNER AS DIRECTED BY THE UTILITY COMPANY.
5. LOCATION OF DUMPSTER. REFER TO "STORAGE/DUMPSTER PLAN - ELECTRICAL", SHEET E3 FOR ELECTRICAL REQUIREMENTS IN THIS AREA.
6. REFER TO SHEETS E1 AND E2 FOR ELECTRICAL REQUIREMENTS AT MENU BOARD, DRIVE THROUGH CANOPY, AND PRESELL MENU BOARD.
7. REFER TO SHEETS E10, E11, & E12 FOR ELECTRICAL SPECIFICATIONS PERTAINING TO ELECTRICAL WORK DESCRIBED ON THIS SHEET.
8. REFER TO SHEET ES2 FOR LUMINAIRE SCHEDULE.
9. PROVIDE UNDERGROUND CONDUIT TO JUNCTION BOX IN OFFICE FOR POLE MOUNTED SECURITY CAMERA. REFER TO SHEET E2 FOR LOCATION OF JUNCTION BOX IN OFFICE AND REQUIRED SIZE OF CONDUIT. COORDINATE EXACT CAMERA LOCATION WITH CHICK-FIL-A REPRESENTATIVE PRIOR TO ROUGH-IN.
10. CONNECT SITE LIGHTING CIRCUITS TO TERMINAL BLOCKS LOCATED IN THE "CFA-500" CONTROL PANEL (TYPICAL). SEE PANEL SCHEDULES ON SHEET E-8 AND "CFA-500" CONTROL CONNECTION DIAGRAM ON SHEET E-9.
11. CONNECT SITE SIGNAGE CIRCUITS TO TERMINAL BLOCKS LOCATED IN THE "CFA-500" CONTROL PANEL (TYPICAL). SEE PANEL SCHEDULES ON SHEET E8, AND "CFA-500" CONTROL PANEL CONNECTION DIAGRAM ON SHEET E-9.
12. PROVIDE GFCI TYPE WEATHERPROOF RECEPTACLE MOUNTED ON MAIN SIGN SUPPORT +14" AFG. THIS RECEPTACLE SHALL NOT BE SWITCHED VIA THE SITE SIGNAGE CONTACTOR OR SIGN DISCONNECT SWITCH.
13. PROVIDE WEATHERPROOF 20A SPST TOGGLE SWITCH 18" AFG AND CONNECTION TO MAINTENANCE DISCONNECT SWITCH FOR MAIN I.D. SIGN.
14. APPROXIMATE LOCATION OF ELECTRICAL UTILITY METER. METER SHALL BE PEDESTAL MOUNTED ADJACENT TO THE UTILITY COMPANY TRANSFORMER. PROVIDE 1-1/4" EMPTY CONDUIT TO TRANSFORMER SECONDARY COMPARTMENT PER UTILITY COMPANY REQUIREMENTS. METER WILL BE FURNISHED AND INSTALLED BY UTILITY COMPANY. METER BASE WILL BE FURNISHED BY UTILITY COMPANY AND INSTALLED BY ELECTRICAL CONTRACTOR. METER PEDESTAL SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH ELECTRIC UTILITY COMPANY.

NORTH

GRAPHIC SCALE
SCALE: 1"= 20'

FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Rd.
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Revisions:

Mark	Date	By

Seal

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St. Pete Beach
FLORIDA

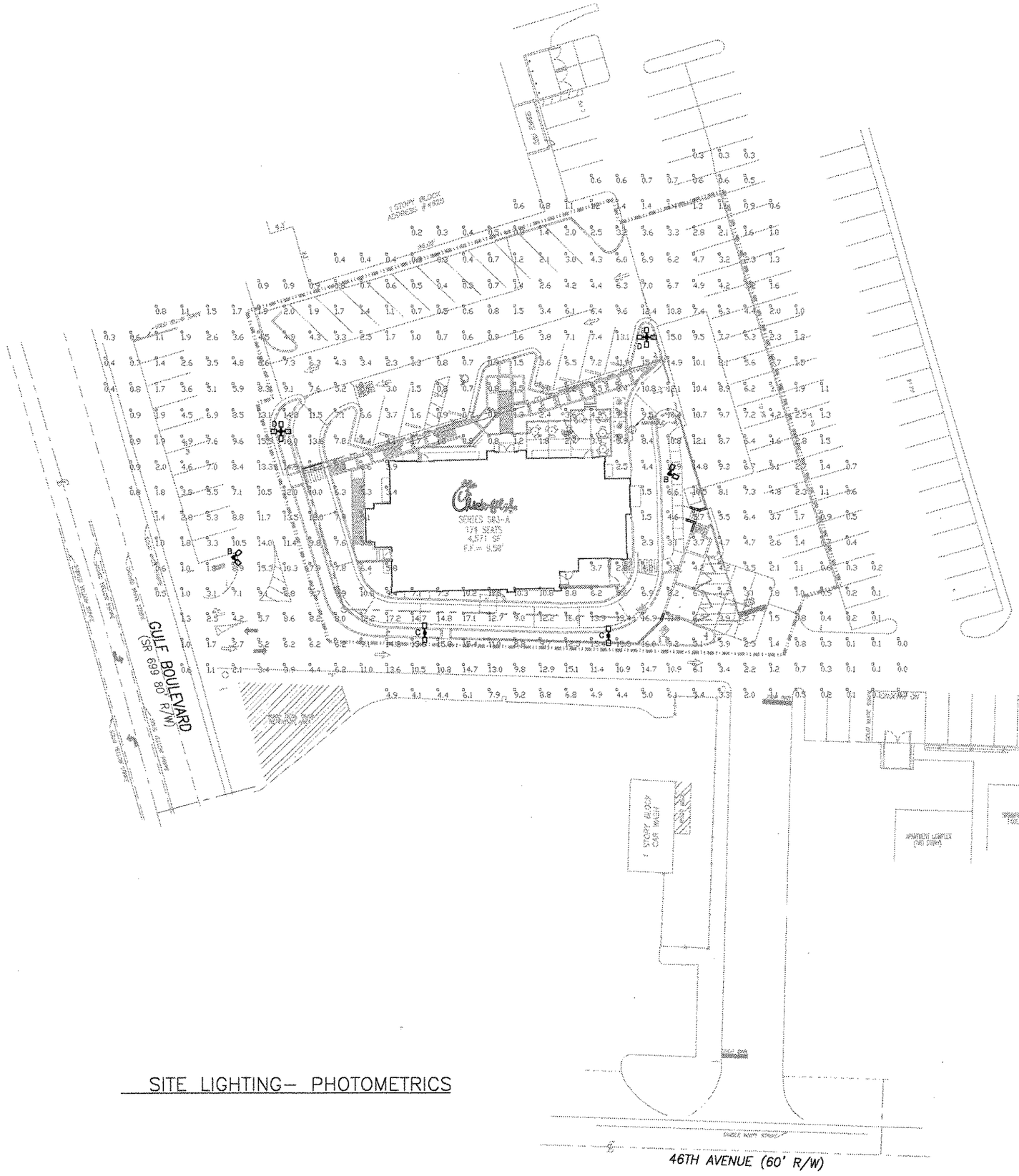
SHEET TITLE
ELECTRICAL
SITE PLAN

DWG EDITION 04.6

☐ Preliminary
☐ 80% Submittal
☒ For Construction

Job No. : 2004.0055
Store : 1740
Date : 05/13/04
Drawn By : MJ
Checked By : RA

Sheet
ES-1.0



SITE LIGHTING– PHOTOMETRICS

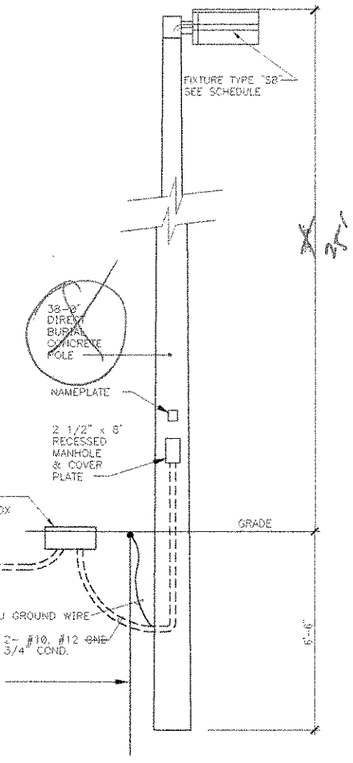
LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	0	KSF2 400M R4SC	AREA LIGHT WITH TYPE 4, CUTOFF REFLECTOR, FLAT GLASS LENS.	ONE 400-WATT CLEAR, ED-28 METAL HALIDE, HORIZONTAL POSITION.	93041301.IES	32000	0.72	462
	B	2	KSF2 400M R4SC	AREA LIGHT WITH TYPE 4, CUTOFF REFLECTOR, FLAT GLASS LENS.	ONE 400-WATT CLEAR, ED-28 METAL HALIDE, HORIZONTAL POSITION.	93041301.IES	32000	0.72	924
	C	2	KSF2 400M R2SC	AREA LIGHT WITH TYPE 2, CUTOFF REFLECTOR, FLAT GLASS LENS.	ONE 400-WATT CLEAR, ED-28 METAL HALIDE, HORIZONTAL POSITION.	93031501.IES	32000	0.72	924
	D	2	KSF2 400M R4SC	AREA LIGHT WITH TYPE 4, CUTOFF REFLECTOR, FLAT GLASS LENS.	ONE 400-WATT CLEAR, ED-28 METAL HALIDE, HORIZONTAL POSITION.	93041301.IES	32000	0.72	1848

CALCULATION SUMMARY:					
AREA NAME	DIMENSIONS	GRID NAME	AVE	MAX	MIN
New Area		New Grid	<+> 5.2	17.2	0.0

NOTES

1. LLF = .72
2. Horizontal calculations performed 0'-0" AFF.
3. Calculation Zone grid spacing is 10ft x 10ft.
4. Mounting height @ 20'
5. Units are footcandles.



DETAIL FOR SB
POLE FOR LIGHTING STANDARD
NO SCALE

FOR CONSTRUCTION

Chick-fil-A
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Atlanta Georgia,
30349-2998

Revisions:

Mark	Date	By

Seal

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SERIES S03-A
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FLORIDA

SHEET TITLE
ELECTRICAL SITE
PHOTOMETRICS

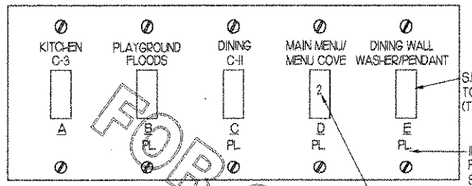
DWG EDITION 04.6

☐ Preliminary
☐ 80% Submittal
☒ For Construction

Job No.	2004.0055
Store	1740
Date	05/13/04
Drawn By	MJ
Checked By	RA

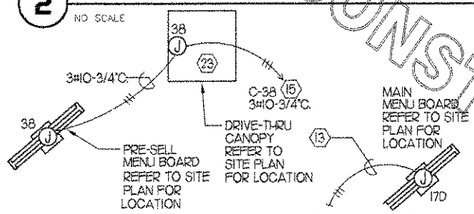
Sheet
ES-2.0

NOTE: LOCATE JUNCTION BOXES IN CEILING SPACE ABOVE THE LOCATION OF THE SWITCH-BANK FOR SPLICING OF LINE, LOAD, AND SWITCHED CONDUCTORS. PROVIDE MINIMUM OF 5 BOXES AND LABEL ALL CONDUCTORS SO AS TO INDICATE THEIR USE (LINE, LOAD, SWITCH), THE LOAD SERVED, AND THE CIRCUIT NUMBER.



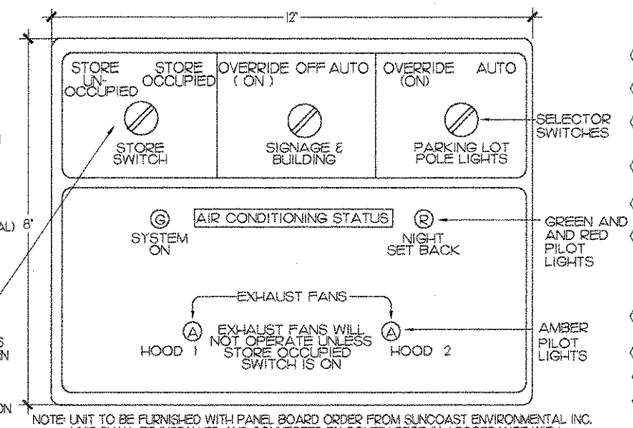
2 SWITCH BANK "SB" DETAIL

NO SCALE



3 SITE DRIVE THRU CONNECTIONS

NO SCALE



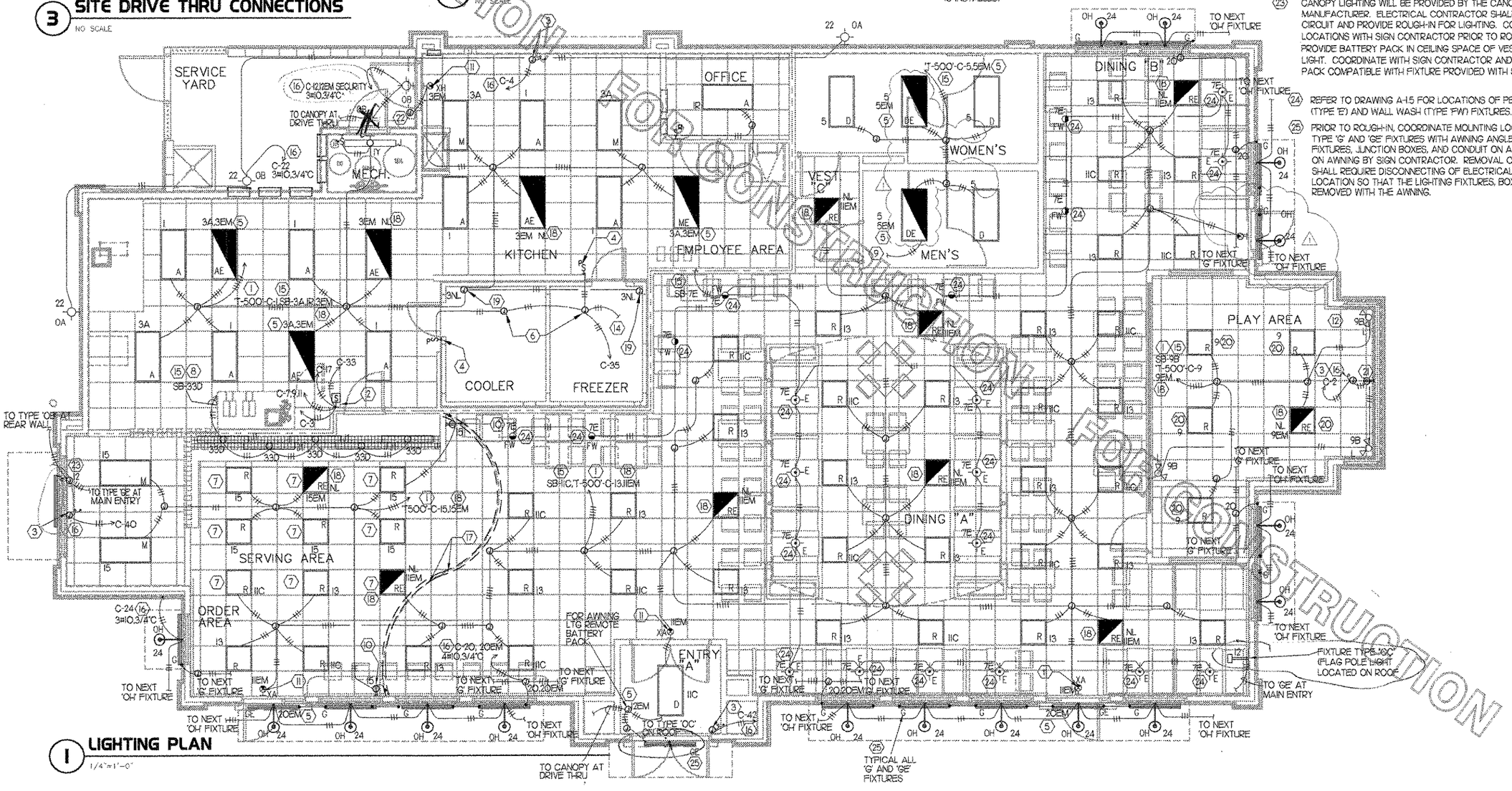
NOTE: UNIT TO BE FURNISHED WITH PANEL BOARD ORDER FROM SUNCOAST ENVIRONMENTAL INC. UNIT SHALL BE INSTALLED AND CONNECTED BY CONTRACTOR IN ACCORDANCE WITH SUNCOAST ENVIRONMENTAL'S WIRING DIAGRAMS.

4 STORE OPEN-CLOSE CONTROL SWITCH UNIT

NO SCALE

KEYNOTES (APPLY TO THIS SHEET ONLY)

1. ROUTE THROUGH CONTROL PANEL 'T-500' CONTROLLED BY STORE OCCUPIED SWITCH.
2. APPROXIMATE LOCATION OF SWITCH BANK 'SB'. SEE DETAIL #2 THIS SHEET FOR MORE INFORMATION.
3. FOR SIGNAGE, CONNECT AS REQUIRED. GROUND ALL LOCATIONS IN ACCORDANCE WITH N.E.C. AND MANUFACTURER'S REQUIREMENTS. SIGN IS FURNISHED WITH INTEGRAL DISCONNECTING MEANS.
4. FOR CONTROL OF LIGHTING FIXTURE IN WALK-IN COOLER/FREEZER. FURNISHED WITH EQUIPMENT, INSTALLED BY ELECTRICAL CONTRACTOR.
5. CONNECT FIXTURE SO THAT BATTERY PACK IS NOT SWITCHED WITH LIGHTS, BUT ALL LAMPS ARE SWITCHED.
6. FOR CONNECTION TO LIGHTING FIXTURES FOR WALK IN COOLER AND WALK IN FREEZER WHICH ARE 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.
7. PROVIDE A12 LENS, SMOOTH SIDE DOWN, ABOVE THE PARABOLIC LENS IN ALL TYPE 'R' AND 'RE' FIXTURES IN THE SERVING AREA.
8. PROVIDE TUBE GUARDS ON ALL LAMPS IN TYPE 'JI' FIXTURES.
9. UP TO EF-3 ON ROOF. SEE E-3.0.
10. MOUNT RECEPTACLE ABOVE DROPPED CEILING FOR HIDDEN SOFFIT ROPE LIGHT, TYPE 'T'. SEE ARCHITECTURAL DETAIL FOR MOUNTING LOCATION OF ROPE LIGHT.
11. CONNECT FIXTURE TO CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS. THIS FIXTURE SHALL NOT BE SWITCHED.
12. INSTALL ALL JUNCTION BOXES IN PLAYGROUND AREA SO THEY WILL BE READILY ACCESSIBLE AFTER THE PLAYGROUND EQUIPMENT IS INSTALLED.
13. CONNECT TO CIRCUIT SERVING MENU BOARDS IN SERVING AREA VIA 3#10 IN 3/4"C. SEE E-4.0 FOR CONTINUATION
14. TO WALK-IN DOOR HEATER REFER TO SHEET E-4.0 FOR CONTINUATION. POWER TO DOOR HEATER SHALL NOT BE SWITCHED.
15. ROUTE THROUGH LIGHTING CONTROL SWITCH-BANK 'SB'. SEE DETAIL #2. PROVIDE ADDITIONAL CONSTANT-ON CONDUCTORS WHERE REQUIRED FOR EMERGENCY AND NIGHT LIGHTS.
16. ROUTE THROUGH CONTROL PANEL 'T-500'. CONTROLLED BY PROGRAMABLE TIMESWITCH AND PHOTOCELL.
17. FIXTURE TYPE "T", MOUNT ABOVE COVE LIGHTING IN 2 ROWS.
18. CONNECT FIXTURE SO THAT LAMP BALLAST AND EMERGENCY BALLAST ARE NOT SWITCHED. 'NL' ADJACENT TO FIXTURE INDICATES THAT FIXTURE SHALL BE ON 24 HOURS.
19. FOR CONNECTION TO LIGHTING FIXTURE FURNISHED WITH FREEZER/COOLER. THIS FIXTURE SHALL NOT BE SWITCHED.
20. ORIENT TROFFERS IN THE PLAYGROUND SO THAT THE DOOR WILL OPEN SUFFICIENTLY TO EASILY CHANGE LAMPS.
21. LOCATE RECEPTACLE FLUSH IN CEILING FOR CONNECTION TO OWNER FURNISHED INTERIOR NEON SIGN.
22. FOR REMOTE HEAD EMERGENCY LIGHTING FIXTURE. CONNECT TO BATTERY IN TYPE 'XH' FIXTURE. REFER TO E1.1 FOR FIXTURE SCHEDULE.
23. CANOPY LIGHTING WILL BE PROVIDED BY THE CANOPY MANUFACTURER. ELECTRICAL CONTRACTOR SHALL CONNECT BRANCH CIRCUIT AND PROVIDE ROUGH-IN FOR LIGHTING. COORDINATE LOCATIONS WITH SIGN CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE BATTERY PACK IN CEILING SPACE OF VESTIBULE FOR AWNING LIGHT. COORDINATE WITH SIGN CONTRACTOR AND PROVIDE BATTERY PACK COMPATIBLE WITH FIXTURE PROVIDED WITH SIGN PACKAGE.
24. REFER TO DRAWING A-1.5 FOR LOCATIONS OF PENDANTS (TYPE 'E') AND WALL WASH (TYPE 'FW') FIXTURES.
25. PRIOR TO ROUGH-IN, COORDINATE MOUNTING LOCATIONS OF ALL TYPE 'G' AND 'GE' FIXTURES WITH AWNING ANGLES. MOUNT STRIP FIXTURES, JUNCTION BOXES, AND CONDUIT ON ANGLES MOUNTED ON AWNING BY SIGN CONTRACTOR. REMOVAL OF ANY SINGLE AWNING SHALL REQUIRE DISCONNECTING OF ELECTRICAL SOURCE AT ONE LOCATION SO THAT THE LIGHTING FIXTURES, BOXES AND CONDUIT ARE REMOVED WITH THE AWNING.



1 LIGHTING PLAN

1/4"=1'-0"

FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rea
	COORD. REVISIONS	
2	10/15/04	TG
	CLIENT COMMENTS	

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STORE SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
LIGHTING PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
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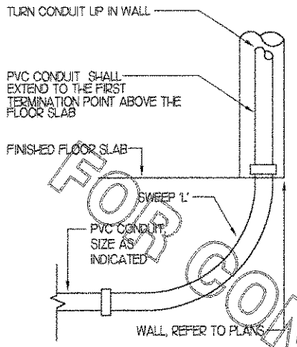
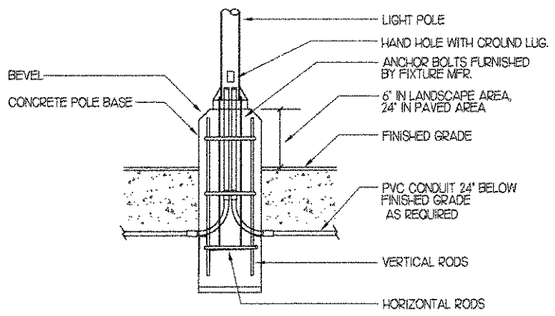
Drawn By :
Checked By:

Sheet
E-1.0



1 INTERIOR PVC CONDUIT DETAIL

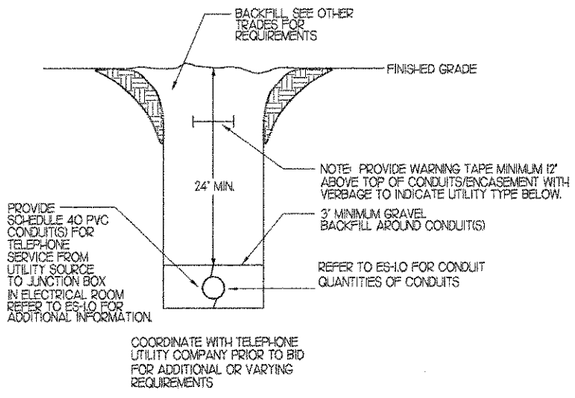
NOT TO SCALE



REFER TO STRUCTURAL DRAWINGS FOR EXACT POLE BASE DIMENSIONS

2 TYPICAL POLE BASE DETAIL

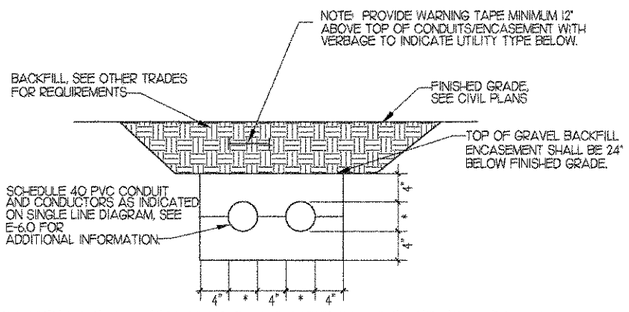
NOT TO SCALE



3 TELEPHONE SERVICE CONDUIT DETAIL

NOT TO SCALE

NOTE: WHERE THE SECONDARY CONDUITS FROM THE UTILITY TRANSFORMER TO THE CURRENT TRANSFORMER CABINET (OR MAIN PANELBOARD) ARE FURNISHED BY THE UTILITY COMPANY (FOR INSTALLATION BY THE CONTRACTOR) OR ARE FURNISHED AND INSTALLED BY THE UTILITY COMPANY, THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH THE UTILITY COMPANY PRIOR TO BID. REFER TO ES-1.0 FOR ADDITIONAL INFORMATION.



4 ELECTRICAL SERVICE LATERAL CONDUIT DETAIL

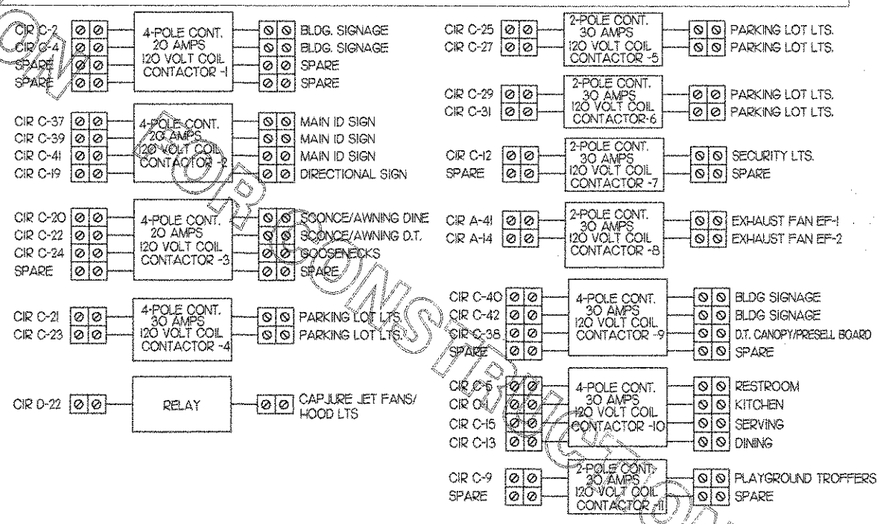
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

(CONTACTOR SHALL PURCHASE ALL FIXTURES AND LAMPS THROUGH A NATIONAL ACCOUNT PROGRAM AS NOTED BELOW)

MARK	MANUFACTURER	CATALOG NUMBER	NO. LAMPS/TYPE	WATTS	VOLTS	MOUNTING	REMARKS
A	LITHONIA	2GT8-G-4-32-AI2V-I2O-I/4GEB	4/F32T8-SP35	114	120	RECESSED	RECESSED 2'X4', STATIC TROFFER,SMOOTH SIDE LENS DOWN
AE	LITHONIA	2GT8-G-4-32-AI2V-I2O-I/4GEB-EL	4/F32T8-SP35	114	120	RECESSED	RECESSED 2'X4', STATIC TROFFER,SMOOTH SIDE LENS DOWN, W/ EMERGENCY BATTERY PACK
D	LITHONIA	2PM3N-F-B-2-32-I2ND-I2O-GEB	2/F32T8-SP35	62	120	RECESSED	RECESSED, 12 CELL 2'X4' PARABOLIC TROFFER,FLANGE
DE	LITHONIA	2PM3N-F-B-2-32-I2ND-I2O-GEB-EL	2/F32T8-SP35	62	120	RECESSED	RECESSED, 12 CELL 2'X4' PARABOLIC TROFFER,FLANGE, BATTERY PACK
E	LIGHTWAY	CFAIOOA-INC-PENDANT-AMBER	50W/PAR20/HAL	50	120	PENDANT	MAINTAIN FACTORY SET CORD LENGTH, GLASS PENDANT, BOTTOM OF PENDANT TO BE AT 5'-6" A.F.F. SEE A1.5 FOR LOCATIONS
FW	LITHONIA	AFWW-18TRT-5AR-MVOLT-EOL-TRW	1/F18TBXSPX35-A-4P-EOL	18	120	RECESSED	INTERIOR WALL WASH, ALZAK REFLECTOR, WALL WASH MURAL,SEE A1.5 FOR LOCATIONS
G	LITHONIA	C-232-I2O-TUBI-AL	2/F32T8-SP35	62	120	SURFACE	STRIP FIXTURE. ZERO DEGREE BALLAST, COORD. MOUNT ON AWNING ANGLE W/SIGN CONTRACTOR
GE	LITHONIA	C-232-I2O-TUBI-AL-EM	2/F32T8-SP35	62	120	SURFACE	STRIP FIXT. ZERO DEG. BALLAST, COORD MOUNT ON AWNING ANGLE W/ SIGN CONTR., REMOTE EM. BATT. IN VEST.
G1	LITHONIA	C-232-I2O-TUBI-AL-WGGUN	2/F32T8-SP35	62	120	SURFACE	STRIP FIXTURE WITH WIRE GUARD, ZERO DEGREE BALLAST, MOUNT ABOVE STG. ROOM DOOR.
J	LITHONIA	CA-I32-I2O-GEB	1/F32T8-SP35	39	120	WALL	MT. ABOVE DOOR IN STORAGE ROOM
J1	LITHONIA	S-I32-I2O-GEB	1/F32T8-SP35	39	120	COVE	MT. IN MENUBOARD COVE, PROVIDE TUBE GUARDS ON ALL LAMPS
K	LIGHTWAY	CFA60A-INC-SCONCE-AMBER	1/40BM CD4	40	120	WALL	SCONCE, MOUNT 5'-6" TO CENTERLINE OF FIXTURE
L	REMCRAFT	2051-BLACK-DOUBLE-BULLET	2/75W PAR30L-H-FL25	150	120	WALL	AIM AT PLAYGROUND AFTER DARK FOR ILLUMINATION AS DIRECTED BY OWNER, MNT 8' BELOW CLG OR MOUNT ON CEILING WHERE NOTED. 11'-6"
M	LITHONIA	2GT8-G-232-AI2V-I2O-GEB	2/F32T8-SP35	62	120	RECESSED	RECESSED 2'X4', STATIC TROFFER,SMOOTH SIDE LENS DOWN
ME	LITHONIA	2GT8-G-232-AI2V-I2O-GEB-EL	2/F32T8-SP35	62	120	RECESSED	RECESSED 2'X4', STATIC TROFFER,SMOOTH SIDE LENS DOWN,BATTERY PACK
R	LITHONIA	2PM3N-G-B-2-CF40-6ND-I2O-GEB	2/F40-30BX-WPX35	70	120	RECESSED	2X2, 6 CELL PARABOLIC TROFFER, GRID
RE	LITHONIA	2PM3N-G-B-2-CF40-6ND-I2O-GEB-EL	2/F40-30BX-WPX35	70	120	RECESSED	2X2, 6 CELL PARABOLIC TROFFER, GRID, WITH BATTERY PACK
RF	LITHONIA	2PM3N-F-B-2-CF40-6ND-I2O-GEB	2/F40-30BX-WPX35	70	120	RECESSED	2X2, 6 CELL PARABOLIC TROFFER, FLANGE
T	CELESTIAL	I/2" RL	0.5 WATT LAMPS 1.5" O.C.	168	120	COVE	FLEXIBLE TUBE LIGHTING FIXTURE WITH POWER CONNECTOR AND CLIPS. 2-ROWS, LENGTH AS SHOWN SECURE TO LEDGE ABOVE THE CEILING COVE ON 1 FT CENTERS
XA	LITHONIA	LHQM-S-W-1-R-I2O	FURN W/ FIXTURE	4	120	WALL	EXIT SIGN WITH EMERGENCY BATTERY AND EMERGENCY LIGHTING UNIT
XH	LITHONIA	LHQM-S-W-1-R-I2O-HO-ELA NX HO606	FURN W/ FIXTURE	4	120	WALL	EXIT SIGN WITH EMERGENCY BATTERY, EMERGENCY LIGHTING UNIT & REMOTE EXTERIOR FIXTURE
~~X~~	LIGHTWAY	CFAIOOM-U-D-SCONCE-I2OV	1/MXRIOO-U-MED	130	120	WALL	MOUNT ~~12'-6"~~ 9' FT ABOVE FINISHED FLOOR TO CENTER LINE OF FIXTURE
OB	LITHONIA	TWA-IOOM-I2O-DLP	1/MPIOOW/U/UVS/PS	130	120	WALL	MNT 10'-6" ABOVE 0'-0" TO CENTERLINE ABOVE DOORS, MNT 8'-0" A. F. G. AT REFUSE AREA
OC	LITHONIA	TFR-400M-TA-TB-IS FOR 2" PIPE SUPPORT	1/MVR400U	465	120	ON PIPE	FLOODLIGHT MOUNTED ON ROOF, PIPE SUPPORT BY OTHERS, ADJUST AT NIGHT
OD	LITHONIA	LUMINAIRE: KSF2-400M-R4WA-I2O-SPO?-L/P	1/MVR400U	456	120	25 FOOT	SEE SITE PLAN ES-1.0 FOR MOUNTING ARRANGEMENTS, OPTICS ROTATED TOWARD BUILDING
	VERIFY QTY &	ANCHOR BOLT SET: #ABSSS-5	PER LUMINAIRE	EA.		POLE	CONFIGURATION. VERIFY POLE AND CONCRETE
	LUMINAIRE MTG	POLE: # SSS-25-5C-DM28-BC-NACF-L/AB / DRILL MOUNT					BASE CONSTRUCTION FOR SITE GEOLOGY AND GEOGRAPHIC WIND LOADING AT SIDE
	WITH ES-1.0	FIXTURES ON POLE, ALL PARTS TO BE DARK BRONZE					SEE E-1.1 FOR TYPICAL POLE BASE DETAIL
OG	SEE ES-1.0						OPTIONAL SITE LIGHTING FIXTURE AND POLE AS INDICATED ON ELECTRICAL SITE PLAN
~~OK~~	~~SPERO~~ WSP	SN612-G2-3/4-42WTT-ECF4IPR/BC-WM-42WCFSC-GN23-SPA3/4"-G2	1/42DTT-SP35	45	120	WALL	COMPACT FLUORESCENT GOOSENECK WALL FIXTURE, MT ~~16'-6"~~ A.F.F. REFER TO DETAIL #4, DRAWING A2.1. 16'-0"

PURCHASE LIGHTING PACKAGE THROUGH LIGHTING ASSOC. AS A PART OF A NATIONAL ACCOUNTS BUYING PROGRAM. CONTACT LIGHTING ASSOCIATES AT 1-888-409-6647 OR FAX 1-770-263-0189,2245 BUTTON GWINNETT DR., DORAVILLE GA. 30340.



5 CFA-500 CONTROL PANEL CONNECTION DIAGRAM

NOT TO SCALE

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SHEET TITLE
FIXTURE SCHED. AND DETAILS

DWG EDITION 03.8

Job No. : 2004.0255
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Sheet
E-1.1

KEY NOTES - SYSTEMS:

COMMUNICATIONS NOTES:

(C1) PROVIDE JUNCTION BOX WITH STAINLESS STEEL COVER PLATE AND STANDARD HOLE IN PLATE FOR MICROPHONE. EXTEND 1" E.C. FROM JUNCTION BOX DOWN THROUGH SLAB AND BELOW GRADE TO DRIVE-THRU MENUBOARD SPEAKER AND DETECTOR LOOP. EXTEND 1" E.C. FROM JUNCTION BOX UP IN WALL TO ABOVE CEILING.

(C2) PROVIDE JUNCTION BOX, LESS COVER PLATE, AND EXTEND 1" E.C. UP IN WALL TO ABOVE CEILING FOR INSTALLATION OF WIRELESS COMMUNICATION CONTROL UNIT.

MUSIC NOTES:

(M1) PROVIDE JUNCTION BOX WITH STAINLESS STEEL COVER PLATE AND 3/4" HOLE IN PLATE WITH GROMMET ON HOLE IN PLATE. EXTEND 3/4" E.C. UP IN WALL TO ABOVE CEILING FOR MUSIC SYSTEM.

P.O.S. SYSTEM NOTES:

(P1) PROVIDE 3" CONDUIT WITHOUT COVERPLATES.

(P2) PROVIDE JUNCTION BOX FOR TERMINATION OF 1" CONDUIT. PROVIDE 1" CONDUIT EXTENDING FROM CEILING AND TERMINATED AT JUNCTION BOX. ELECTRICIAN SHALL PROVIDE COVER PLATE ON BOX WITH 1" HOLE.

(P3) PROVIDE CUSTOM STAINLESS STEEL COVER PLATE WITH GROMMET ON 2" HOLE IN PLATE FOR TERMINATION OF 2" CONDUIT. TERMINATE CONDUIT FLUSH WITH SURFACE OF WALL.

(P4) PROVIDE ONE 2" CONDUIT FROM FACE OF WALL AND EXTEND CONDUIT TO ACCESSIBLE CEILING SPACE ABOVE SERVING AREA. CONDUIT SHALL TERMINATE FLUSH WITH FACE OF WALL.

(P5) PROVIDE JUNCTION BOX FOR TERMINATION OF 1" CONDUIT. PROVIDE 1" CONDUIT EXTENDING FROM CEILING AND TERMINATED AT JUNCTION BOX. POS SYSTEM SUPPLIER WILL PROVIDE COVER PLATE ON BOX.

(P6) PROVIDE SINGLE GANG EXTRA DEEP JUNCTION BOX MOUNTED ON ANGLE WITHIN FRONT SERVING COUNTER. MOUNT BOX ADJACENT TO THE SIMPLEX RECEPTACLE FOR EQUIPMENT #201. DO NOT MOUNT BOX BETWEEN EQUIPMENT 201 AND EQUIPMENT 200 RECEPTACLES.

SECURITY NOTES:

(S1) PROVIDE SINGLE GANG JUNCTION BOX AND STAINLESS STEEL COVER PLATE WITH 7/8" HOLE IN CENTER. EXTEND 1" E.C. UP IN WALL TO ABOVE ACCESSIBLE CEILING.

(S2) PROVIDE 4"W X 4"H X 3"D JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID E.C. UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. PROVIDE BUSHING ON E.C. . CONNECT NOTE (S2) JUNCTION BOX TO NOTE 5 JUNCTION BOX VIA 1/2" RIGID E.C..

(S3) PROVIDE 4"W X 4"H X 3" D JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID E.C. UP TO ABOVE ACCESSIBLE OFFICE CEILING AREA. EXTEND 2" RIGID E.C. DOWN THROUGH SLAB AND BELOW GRADE TO REMOTE CAMERA LOCATION. USE ONLY LONG SWEEPS, 3 FEET PER 90 DEGREES. SEE ELECTRICAL SITE PLAN FOR CONTINUATION.

(S4) PROVIDE SINGLE GANG WEATHERPROOF JUNCTION BOX AND STAINLESS STEEL PLATE WITH 7/8" HOLE IN CENTER. MOUNT AT APPROXIMATELY 48" A.F.F., EXTEND 1/2" RIGID E.C. TO ABOVE ACCESSIBLE CEILING. SEAL PENETRATION AT FREEZER/COOLER ENCLOSURE CEILING.

(S5) PROVIDE SINGLE GANG BOX WITHOUT COVER PLATE. EXTEND 1/2" E.C. UP IN WALL TO ABOVE ACCESSIBLE CEILING.

(S6) PROVIDE SINGLE GANG JUNCTION BOX ON INSIDE FACE OF PARAPET WALL APPROXIMATELY 12" BELOW TOP OF PARAPET WAL. EXTEND 1/2" E.C. DOWN TO ABOVE ACCESSIBLE OFFICE CEILING.

(S7) EXTEND 1/2" RIGID E.C. FROM TOP OF STRIKE-SIDE DOOR FRAME CHANNEL TO ABOVE ACCESSIBLE EMPLOYEE AREA CEILING.

(S8) EXTEND 1/2" RIGID E.C. FROM A POINT 3" WITHIN EITHER HINGE-SIDE DOOR VERTICAL FRAME MULLION TO ABOVE ACCESSIBLE CEILING.

(S9) PROVIDE SINGLE GANG JUNCTION BOX WITHOUT COVERPLATE. EXTEND 1/2" E.C. UP IN WALL TO ABOVE ACCESSIBLE CEILING.

(S10) PROVIDE SINGLE GANG, WEATHER-PROOF JUNCTION BOX WITH STAINLESS STEEL COVER PLATE MOUNTED 18" FROM THE CORNER OF THE SERVICE YARD AND JUST BELOW ROOF DECK MOUNTING BRACKETS. ROUTE 1" EMT CONDUIT FROM THE BOX SURFACE MOUNTED JUST BELOW THE ROOF DECK MOUNTING BRACKETS AND TERMINATE THE CONDUIT AT S12.

(S11) EXTEND 1/2" RIGID E.C. FROM A POINT 3" WITHIN STRIKE-SIDE WINDOW FRAME MULLION TO ABOVE ACCESSIBLE CEILING.

(S12) PROVIDE SINGLE GANG, WEATHER-PROOF JUNCTION BOX WITH STAINLESS STEEL COVER PLATE MOUNTED JUST ABOVE THE STRIKE SIDE OF OUTSIDE DOOR ON INSIDE OF SERVICE YARD. ROUTE 1" EMT CONDUIT SURFACE MOUNTED FROM BOX JUST BELOW THE ROOF DECK MOUNTING BRACKETS. TERMINATE CONDUIT IN THE ACCESSIBLE CEILING SPACE INSIDE THE BUILDING.

(S13) EXTEND 1/2" RIGID E.C. FROM A POINT 3" WITHIN STRIKE-SIDE DOOR FRAME MULLION TO ABOVE ACCESSIBLE CEILING.

KEY NOTES - POWER:

(1) PROVIDE OCTAGONAL JUNCTION BOX FOR ANSILL SYSTEM PULL STATION. EXTEND 1/2 " CONDUIT TO ABOVE CEILING FROM BOX.

(2) PROVIDE EDWARDS #340-4N5 VIBRATING 4" DIAMETER BELL. BELL SHALL BE RATED AT 120 VOLTS.

(3) 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.

(4) TELEPHONE SERVICE ENTRANCE CONDUIT(S). EXTEND WITH PULL STRING FROM TELEPHONE SERVICE J-BOX IN MECHANICAL ROOM TO THE TELEPHONE UTILITY SOURCE. REFER TO ES-1.0 FOR LOCATION OF UTILITY SOURCE. REFER TO KEY NOTE-POWER NOTE 5 BELOW FOR CONDUIT CONTINUATION.

(5) PROVIDE 4"W X 4"H X 3"D JUNCTION BOX WITHOUT COVERPLATE. EXTEND 2" RIGID E.C. DOWN THROUGH SLAB TO MECHANICAL ROOM AT THE TELEPHONE POINT OF DEMARCATION. EXTEND 1" RIGID E.C. TO ABOVE ACCESSIBLE OFFICE AREA CEILING.

(6) 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.

(7) TAMPER RESISTANT RECEPTACLE IN PLAYGROUND SHALL BE COOPER #TR8200GY.

(8) ISOLATED GROUND RECEPTACLE. SEE DETAIL #1 ON SHEET E-5.0

(9) ROUTE ISOLATED GROUND CONDUCTOR DIRECT AND UNBROKEN TO "MDP" GROUND BUS. CONDUCTOR TO BE GREEN WITH YELLOW STRIPE.

(10) 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.

(11) PROVIDE 6'H X 6'W X 3'D INCOMING TELEPHONE SERVICE JUNCTION BOX AT 5 FT A.F.F. EXTEND 2" EC WITH PULL STRING FROM THIS BOX TO THE NOTE 5 JUNCTION BOX IN THE OFFICE. ROUTE THE 2" E.C. BELOW THE SLAB. PROVIDE #6 AWG INSULATED CU GROUND WIRE IN 3/4"C TO GROUND BUS IN PANEL 'MDP'.

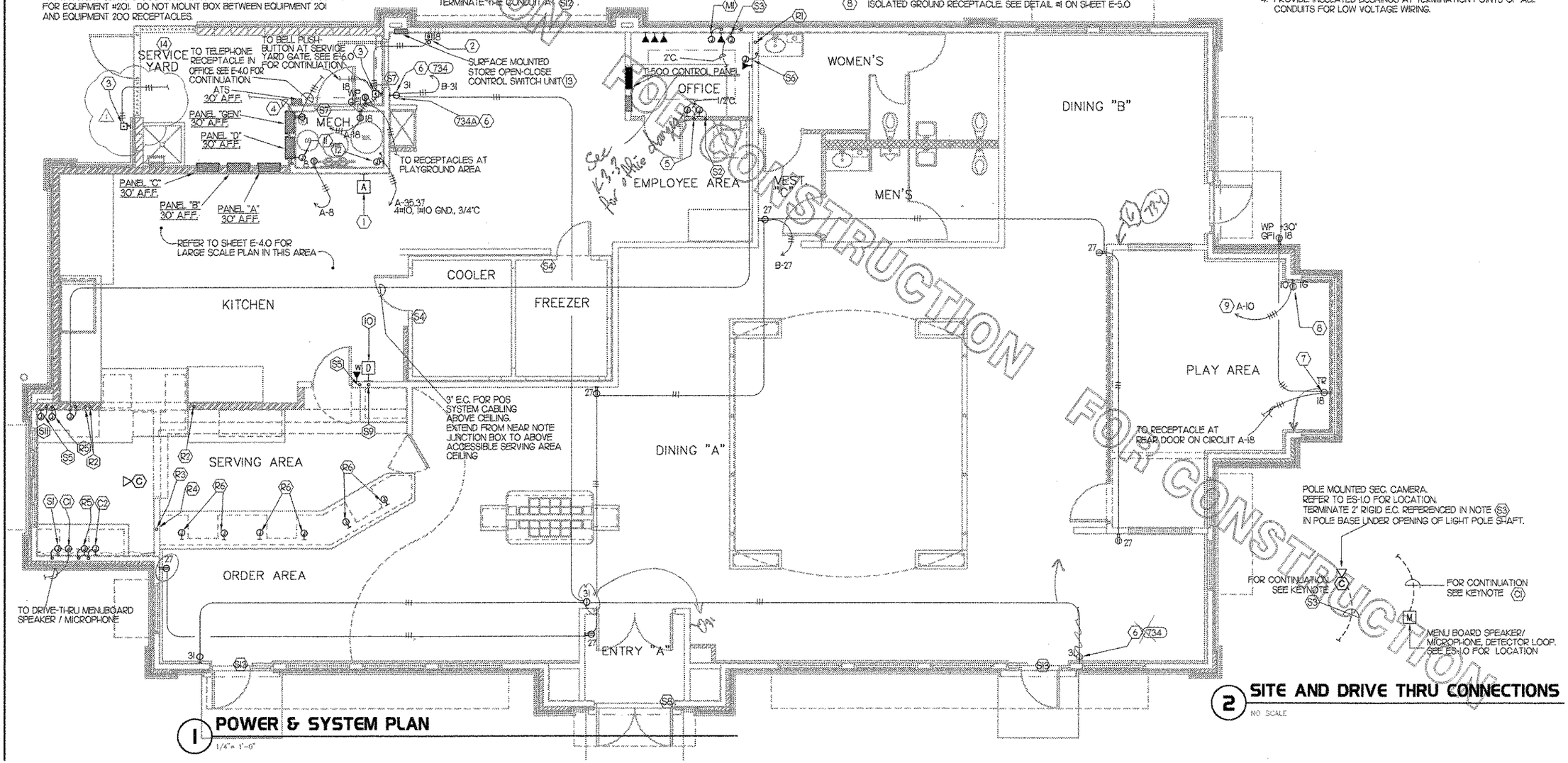
(12) FOR CONNECTION TO BOOSTER PUMP. REFER TO P-2.0 FOR ADDITIONAL INFORMATION. STARTER/DISCONNECT IS FURNISHED BY MECHANICAL CONTRACTOR.

(13) CONNECT STORE OPEN-CLOSE UNIT SWITCH TO CFA "T-500" CONTROL PANEL VIA 6#12 IN 1" CONDUIT AND IN ACCORDANCE WITH SUNCOAST ENVIRONMENTAL INC. WIRING DIAGRAMS.

(14) REFER TO DRAWING E-6.0 FOR SERVICE YARD CONFIGURATION AND ELECTRICAL REQUIREMENTS AT THE SERVICE YARD.

GENERAL NOTES:

1. ALL SECURITY, POS, MUSIC, COMMUNICATIONS, AND POWER ROUGH-IN SHALL BE INSTALLED DURING THE FRAMING/ROUGH-IN PHASE OF CONSTRUCTION.
2. REFER TO K SHEETS FOR EQUIPMENT ELECTRICAL ROUGH-IN ELEVATIONS ABOVE FINISHED FLOOR.
3. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRING.
4. PROVIDE INSULATED BUSHINGS AT TERMINATION POINTS OF ALL CONDUITS FOR LOW VOLTAGE WIRING.



1 POWER & SYSTEM PLAN
1/4" = 1'-0"

2 SITE AND DRIVE THRU CONNECTIONS
NO SCALE

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DOLPHIN VILLAGE
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ST. PETE BEACH, FL

SHEET TITLE
POWER & SYSTEMS PLAN & NOTES

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Job No.	2004.0255
Store	1740
Date	8/30/04
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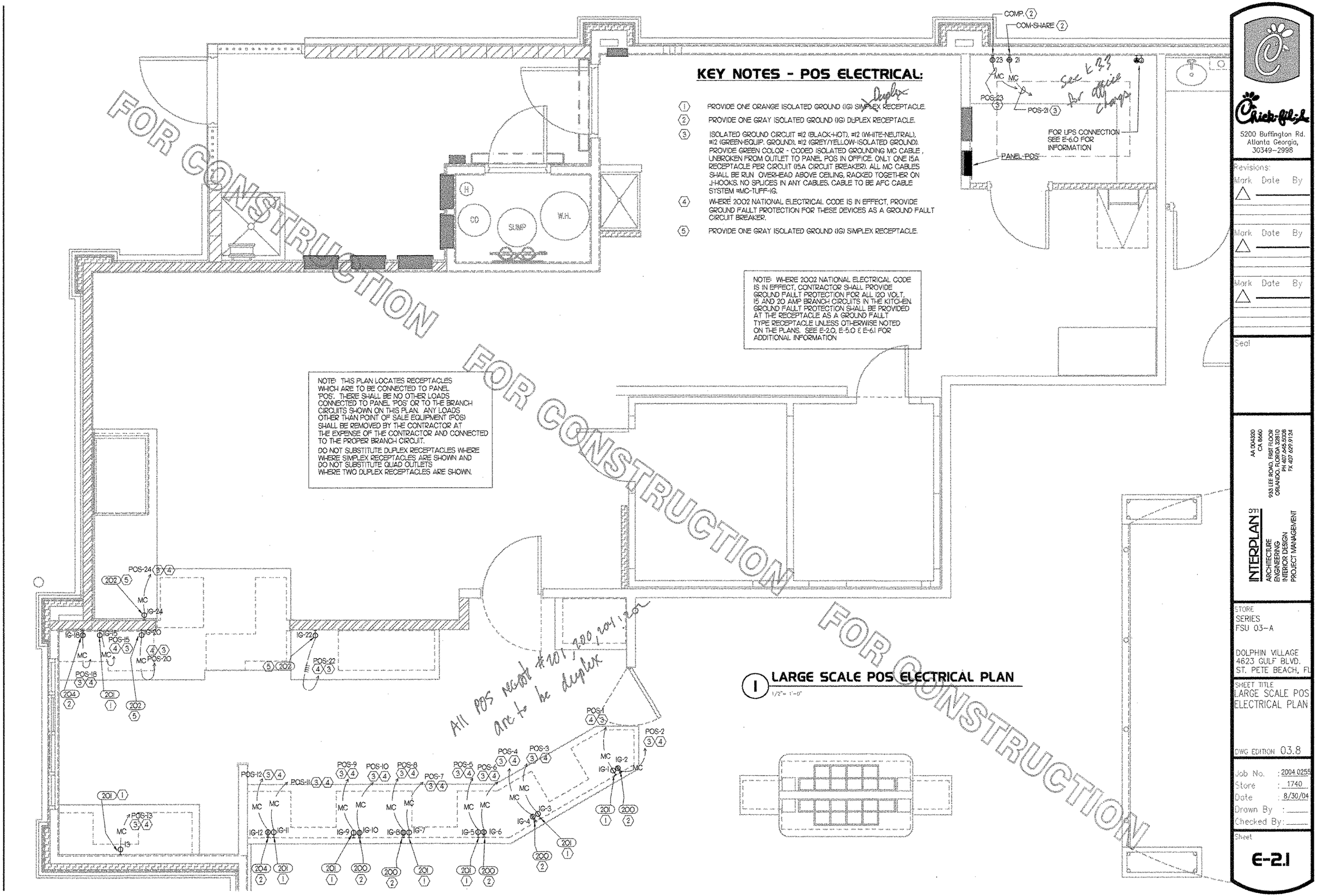

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SHEET TITLE
LARGE SCALE POS ELECTRICAL PLAN

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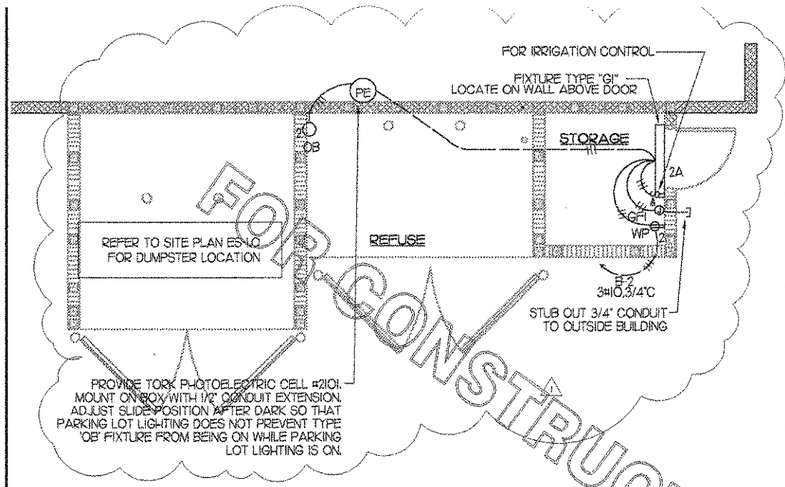
KEY NOTES:

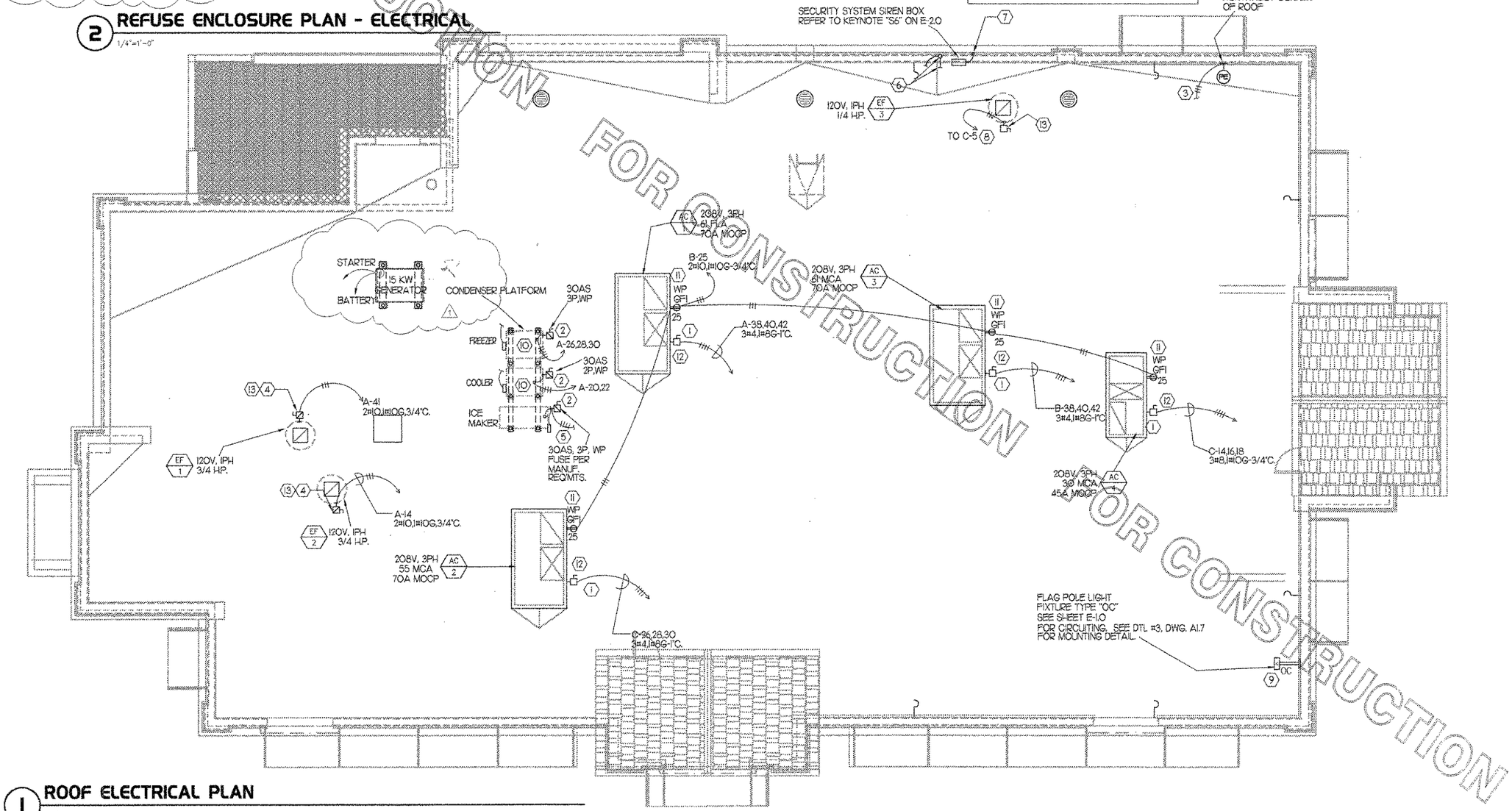
1. ROUTE ELECTRICAL CONDUITS TO UNIT CONNECTIONS THROUGH WEATHERPROOF RACEWAY FURNISHED WITH UNIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.
2. MOUNT DISCONNECT SWITCHES FOR CONDENSERS ON UNISTRUT. FUSE PER MANUFACTURER REQUIREMENTS.
3. CONNECT PHOTOCELL TO CONTROL PANEL T-500 TERMINALS AS DIRECTED BY SUNCOAST ENVIRONMENTAL INC. WIRING DIAGRAMS. PHOTO-CELL FURNISHED WITH PANELBOARD ORDER AND INSTALLED BY CONTRACTOR.
4. COORDINATE EXACT LOCATION OF CONDUIT AND DISCONNECT AT EXHAUST FAN. CONDUIT SHALL BE INSTALLED THROUGH ROOF ON OUTSIDE OF FAN CURB. CONDUIT SHALL BE LOCATED AT FAN HINGE SUCH THAT THE FAN HOOD CAN BE FULLY HINGED OPEN AND NOT TOUCH THE CONDUIT. PROVIDE 14" DIAMETER LOOP IN THE FLEXIBLE CONDUIT BETWEEN THE ROOF AND THE FAN ELECTRICAL CONNECTION.
5. ROUTE 4#10 AND 1#10 GND. - 3/4" CONDUIT TO ICE MAKER BELOW FOR POWER AND CONTROL OF ICE MAKER CONDENSING UNIT.
6. PROVIDE 3/4" E.C. THROUGH PARAPET FOR COAX CABLE TO MUSIC SYSTEM ANTENNA ON ROOF. TERMINATE OPEN ENDS APPROXIMATELY 10" ABOVE AND 10" BELOW ROOF. SECURE LOWER END OF CONDUIT TO STRUCTURE. WATERPROOF BOOT ON ROOF OPENING FURNISHED AND INSTALLED BY ROOFING CONTRACTOR. PROVIDE #6 CU GROUND IN 3/4"C TO ELECTRICAL SERVICE GROUND FROM ANTENNA.
7. PROVIDE 1/2" E.C. THROUGH PARAPET FOR SECURITY SYSTEM CABLING. TERMINATE OPEN ENDS APPROXIMATELY 18" BELOW TOP OF PARAPET WALL AND ABOVE OFFICE CEILING. SECURE CONDUIT TO STRUCTURE.
8. COORDINATE EXACT LOCATION OF CONDUIT AND DISCONNECT AT EXHAUST FAN. CONDUIT SHALL BE ROUTED THROUGH DUCTWORK, WITHIN FAN ROOF CURB, AND TO THE FAN WIREWAY. PROVIDE SEALTIGHT FITTINGS AS THE CONDUIT ENTERS AND LEAVES THE DUCTWORK. INTERLOCK WITH LIGHTING CIRCUIT IN RESTROOM. REFER TO E-1.0 FOR CONTINUATION.
9. MOUNT TYPE 'OC' LIGHTING FIXTURE, WITH INTEGRAL SLIPFITTER, ON PIPE. PIPE WILL BE PROVIDED BY OTHER TRADES. AIM LIGHTING FIXTURE AT NIGHT FOR BEST ILLUMINATION OF FLAG.
10. CONNECT TIMER AT CONDENSING UNITS TO EVAPORATOR UNITS BELOW. REFER TO E-4.0 FOR CONTINUATION.
11. CONVENIENCE RECEPTACLE PROVIDED PRE-INSTALLED IN AIR CONDITIONING UNIT. CONNECT TO 120 VOLT CIRCUIT AS REQUIRED.
12. A/C UNIT DISCONNECT IS FURNISHED WITH A/C UNIT AND SHALL BE CONNECTED BY THE CONTRACTOR.
13. EXHAUST FAN DISCONNECT IS FURNISHED WITH THE FAN AND SHALL BE CONNECTED BY THE CONTRACTOR.

NOTE: REFER TO DRAWING M3 FOR ROOFTOP PACKAGED AC UNIT SCHEDULE. ALL UNITS ARE FURNISHED WITH FACTORY INSTALLED DISCONNECT SWITCH. REFER TO SAME SCHEDULE FOR INDICATION OF UNITS FURNISHED WITH FACTORY RECEPTACLE FOR COMPLIANCE WITH NEC 210-63.



2 REFUSE ENCLOSURE PLAN - ELECTRICAL

1/4"=1'-0"



1 ROOF ELECTRICAL PLAN

1/4"= 1'-0"

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ROOF ELECT. PLAN

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Job No. : 2004.0255
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Drawn By :
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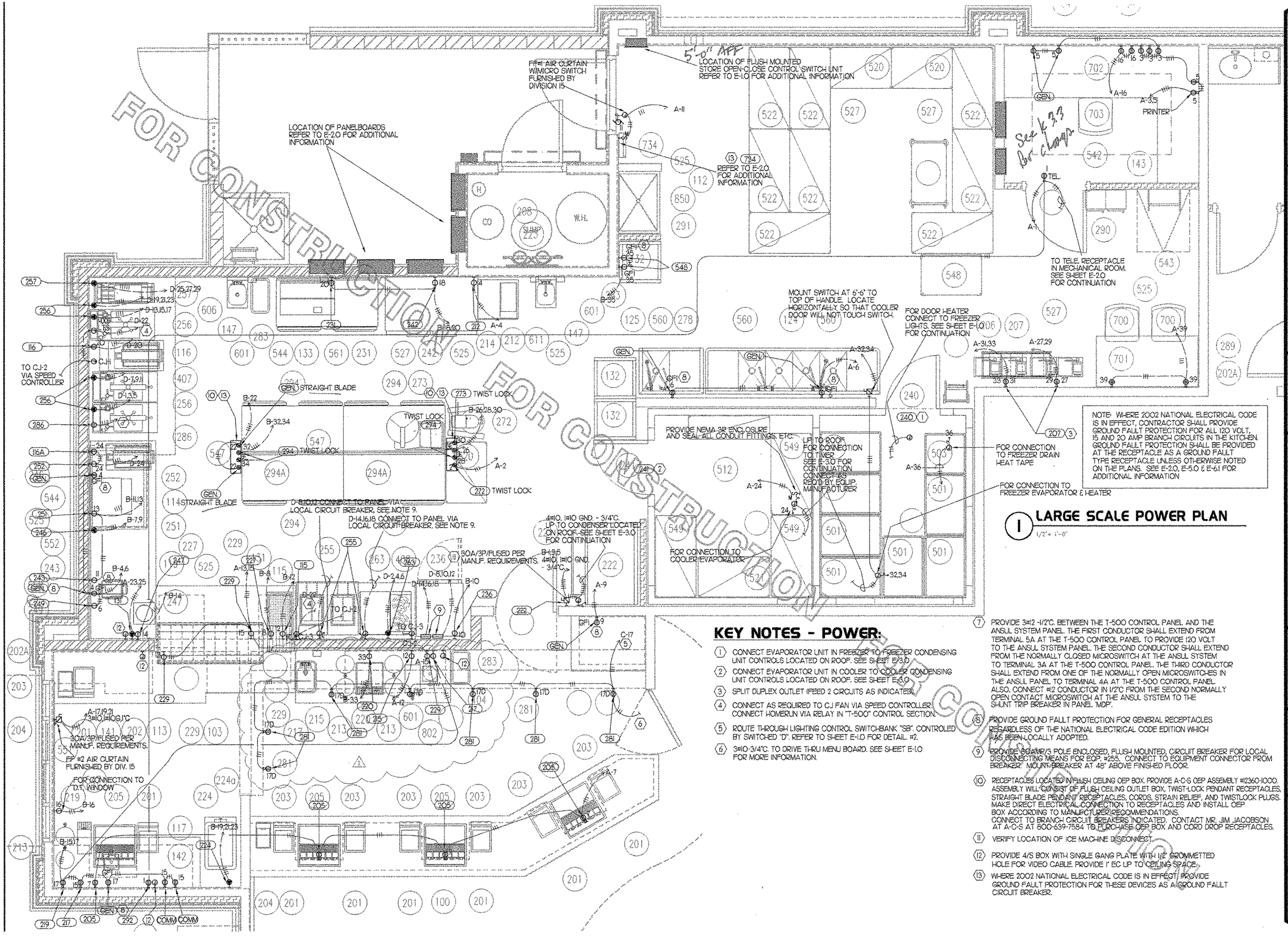
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ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MTG. HT. TO CENTERLINE
	LIGHTING FIXTURES	
	WALL MOUNTED FIXTURE (INCANDESCENT, FLUORESCENT, OR H.I.D.)	AS NOTED
	RECESSED MOUNTED FIXTURE (INCANDESCENT, FLUORSCENT, OR H.I.D.) SHADING INDICATES WALL WASH TYPE FIXTURE	
A	LIGHT FIXTURE TYPE DESIGNATION, SEE LIGHTING FIXTURE SCHEDULE	
	RECESSED FLUORESCENT FIXTURE SHADING INDICATES FIXTURE INCLUDES BATTERY PACK	
	SINGLE FACE EXIT SIGN, UNIVERSAL MOUNT DOUBLE-HEAD EMERGENCY EGRESS FIXTURE WITH INTEGRAL BATTERY PACK AND DOUBLE HEAD EMERGENCY LIGHTING LAMP UNIT	6" BELOW CEILING TO TOP
	WALL MOUNTED FLOODLIGHT	AS NOTED
	PENDANT FIXTURE	
	WIRING DEVICES 120 VOLT DUPLEX RECEPTACLE, 20 AMPS U.O.N. (NUMBER ADJACENT TO SYMBOL INDICATES CIRCUIT I.D. WHEN SHOWN) WP= NEMA 3R WEATHERPROOF, GF= GROUND FAULT INTERRUPTER DEVICE, IG= ISOLATED GROUND DEVICE, TR=TAMPER RESISTANT)	18" A.F.F. (U.O.N.)
	SINGLE RECEPTACLE, VOLTS, PHASE AND AMPS AS NOTED, NEMA CONFIGURATION AS REQUIRED BY EQUIPMENT	18" A.F.F. (U.O.N.)
	QUADRAPLEX RECEPTACLE, 20 AMPS U.O.N.	18" A.F.F. (U.O.N.)
S	SINGLE-POLE SWITCH (P=WITH PILOT LIGHT, AND WP= NEMA 3R WEATHERPROOF DEVICE)	48" A.F.F.
S	SWITCH BANK	48" A.F.F.
	SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED	AS NOTED
	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.	
	TELEPHONE SYSTEM TELEPHONE OUTLET (W=WALL MOUNTED AT +60", X= FOR FAX MACHINE) WITH 3/4" EMPTY CONDUIT, WITH PULL WIRE, EXTENDING TO TO ACCESSIBLE CEILING SPACE FROM OUTLET BOX.	AS NOTED
	RACEWAYS	
MC	METAL CLAD CABLE	
	CONDUIT TURNING IN WALL	
	CONDUIT INSTALLED EXPOSED	
	CONDUIT CONCEALED ABOVE CLG. OR IN WALL	
	CONDUIT CONCEALED IN OR BELOW FLOOR SLAB (WHERE USED OUTSIDE = UNDERGROUND)	
	HOMERUN TO PANELBOARD CIRCUIT INDICATED. DISTRIBUTION EQUIPMENT	
	NON-FUSIBLE SAFETY SWITCH SIZE & TYPE AS NOTED (AMP/POLES/ENCLOSURE, NEMA 1 IF NOT NOTED WP=NEMA 3R)	AS NOTED
	FUSIBLE SAFETY SWITCH SIZE & TYPE AS NOTED (AMP/POLES/FUSE/ENCLOSURE, NEMA 1 IF NOT NOTED WP=NEMA 3R)	AS NOTED
	PANELBOARD OR EQUIPMENT AS NOTED - FLUSH MOUNTED OR SURFACE MOUNTED AS INDICATED ON PANEL SCHEDULE	AS NOTED
S_M	MANUAL MOTOR STARTER SWITCH WITH OVERLOADS	
	MECHANICAL EQUIPMENT	
M	MOTOR (HORSEPOWER AS NOTED)	
	CCTV SECURITY SYSTEM	
C	CCTV CAMERA	AS NOTED
SK	SECURITY ALARM KEYPAD	AS NOTED
HU	SECURITY ALARM HOLD-UP BUTTON	48" A.F.F.
	MISCELLANEOUS	
	PUSHBUTTON	48" A.F.F. (U.O.N.)
B	BELL, TYPE AS NOTED ON PLANS	AS NOTED
PE	PHOTO-ELECTRIC CELL	AS NOTED
J J	JUNCTION BOX	AS NOTED
J	JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT AS NOTED.	AS NOTED
A	HOOD EXTINGUISHMENT ANSUL PULL STATION	48" A.F.F.
D	SMOKE DETECTOR REMOTE STATUS INDICATOR. PROVIDE AND INSTALL JUNCTION BOX AND 1/2" EMPTY CONDUIT STUBBED UP TO ACCESSIBLE CEILING SPACE.	AS NOTED
281	KITCHEN EQUIPMENT ITEM NUMBER	
R1	NOTE NUMBER	

FOR CONSTRUCTION

*REQUIRES IG/GF WIRING	EQUIPMENT CONNECTION SCHEDULE									
	EQUIP NO.	EQUIPMENT DESCRIPTION	VOLTS	PH	AMPS	RECEPTACLE NEMA CONFIGURATION	RECEPTACLE ARROWHART CAT. NO.	PLUG CONNECTOR ARROWHART CAT. NO.	HOMERUN WIRE/ CONDUIT SIZE	ADDITIONAL REQUIREMENTS
GF/NOTE 2	114	SANDWICH PREP TABLE	120	1	6.5	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	115	FRY HOLDING STATION	120	1	15.4	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	116/116A	18" CART WITH HEAT LAMPS	120	1	9.7	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
---	131	SANDWICH SLIDE	120/208	1	12.1	NEMA L14-20R	#6400 SINGLE	FURN W/ EQUIP	3#12,1#12G,1/2"C	
GF/NOTE 2/IG	200	FUTURE CREDIT CARD	120	1	0.02	NEMA 5-20R	#IG5362	FURN W/ EQUIP	MC CABLE, SEE E-2.1	
GF/NOTE 2/IG	201	ORDER REGISTER	120	1	0.7	NEMA 5-20R	#IG5361	FURN W/ EQUIP	MC CABLE, SEE E-2.1	
GF/NOTE 2/IG	202	ORDER MONITOR	120	1	0.5	NEMA 5-20R	#IG5361	FURN W/ EQUIP	MC CABLE, SEE E-2.1	
GF/NOTE 2/IG	204	RECEIPT PRINTER	120	1	0.1	NEMA 5-20R	#IG5362	FURN W/ EQUIP	MC CABLE, SEE E-2.1	
GF/NOTE 2	205	DRINK TOWER	120	1	1.5	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	207	CARBONATOR	120	1	7.2	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	SPLIT WIRED RECEPTACLE
GF/NOTE 2	212	TEA BREWER	120	1	14	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	215	~~SINGLE COFFEE MAKER~~ 1500 TDB	120	1	~~12.5~~ 14.6	~~NEMA 5-20R~~ NEMA L5-30R	~~#CR20/(#5361I SINGLE)~~ #CR20/(#5361I SINGLE)	~~FURN W/ EQUIP~~	~~2#12,1#12G,1/2"C~~	4' SP cord w/ 90° plug New coffee maker
GF/NOTE 2	217	~~2~~ 4 COFFEE WARMER	120	1	0.83	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	219	SINGLE JUICE DISPENSER	120	1	1.7	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	220	DOUBLE JUICE DISPENSER	120	1	4	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
---	222	ICE MAKER	208	3	16.8	DIRECT CONNECTION	N/A	N/A	4#10,1#10G,3/4"C	W/ NEUTRAL
---	224	ICE CREAM MACHINE	208	3	17	NEMA 15-30R	#8432AN SINGLE	#843ON	3#12,1#12G,1/2"C.	2 GANG BOX,6 FT.12/4 SO,S70IPLATE,NOTE 1
GF/NOTE 2	227	REFRIGERATED DISPLAY CASE	120	1	8.1	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	229	SGL. UNDERCOUNTER REFRIGERATOR	120	1	3.3	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	231	BREADING TABLE	120	1	5.7	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	236	SGL. SECT. REACH IN FREEZER	120	1	10.4	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
---	240	WALK-IN FREEZER	120	1	3.3	DIRECT CONNECTION	N/A		2#12,1#12G,1/2"C	
---	240A	WALK-IN FREEZER, CONDENSER	208	3	9.4	DIRECT CONNECTION	N/A		3#12,1#12G,1/2"C.	
---	240B	WALK-IN FREEZER, EVAPORATOR	208	1	10.9	DIRECT CONNECTION	N/A		3#12,1#12G,1/2"C.	CONNECT VIA CONDENSER
---	241	WALK-IN COOLER	120	1	2.4	DIRECT CONNECTION	N/A		2#12,1#12G,1/2"C	
---	241A	WALK-IN COOLER CONDENSER	208	1	7.2	DIRECT CONNECTION	N/A		2#12,1#12G,1/2"C	
---	241B	WALK-IN EVAPORATOR	120	1	2.1	DIRECT CONNECTION	N/A		2#12,1#12G,1/2"C	CONNECT VIA CONDENSER
GF/NOTE 2	242	THAWING CABINET	120	1	5.8	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	243	SANDWICH TOASTER	120	1	6	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
---	246	BUN WARMER	208	1	16	NEMA 6-20R	#5461 SINGLE	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	247	DOUBLE WARMING DRAWER	120	1	8.7	NEMA 5-20R	#CR20/(#5361I SINGLE)	#5765-HG	2#12,1#12G,1/2"C	
GF/NOTE 2	249	SINGLE FOOD WARMER	120	1	13.8	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	251	BISCUIT HOLDING CABINET (C-VAP)	120	1	17.1	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	252	HOLDING CABINET	120	1	4	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
---	255	OPEN FRYER	208	3	61	~~PIN & SLEEVE~~	#AH4100C9W SINGLE	#AH100P9W	3#3,1#8G,1-1/4"C	SEE NOTE 3 Direct connect
---	256	PRESSURE FRYER	208	3	36	NEMA 15-50R	#8450N SINGLE	#8452AN (ANG. PLUG)	3#6,1#10G,1"C	2 GANG BOX, 6' SO-4/4-SEE NOTE 1
---	257	CHAR-GRILL COOKER	208	3	27	NEMA 15-50R	#8450N SINGLE	FURN W/ EQUIP	4#8,1#10G,1"C	
---	263	RANGE/CONVECTION OVEN	208	3	47.8	NEMA 15-60R	#8460N SINGLE	#8462AN (ANG. PLUG)	3#4,1#8G,1"C	6 FT SO-4/4-SEE NOTE 1
GF/NOTE 2	272	FLOOR MIXER	120	1	9.8	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	273	FOOD CUTTER	120		16	NEMA 5-20R	PROVIDED W/ OEP BOX	FURN W/ EQUIP	2#12,1#12G,1/2"C	WIRING DEVICE PROVIDED W/ OEP BOX
GF/NOTE 2	281	SMALL MENU BOX	120		0.55	NEMA 5-20R	duplex #CR20	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	292	DRIVE THRU VIDEO MONITOR	120		0.8	NEMA 5-20R	#CR20/(#5361I SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	
GF/NOTE 2	294	REFRIGERATED WORK TABLE	120	1	5.7	NEMA 5-20R	PROVIDED W/ OEP BOX	FURN W/ EQUIP	2#12,1#12G,1/2"C	WIRING DEVICE PROVIDED W/ OEP BOX
GF/NOTE 2	734	FLY SYSTEM	120	1	0.85	NEMA 5-15R	#CR15/(#5261I,#5708 SINGLE)	FURN W/ EQUIP	2#12,1#12G,1/2"C	FIELD CUT EXCESIVE CORD TO LENGTH OF 16"

*SEE RECEPT. DTLS. THIS DWG: 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, 6540 PEACHTREE INDUSTRIAL BLVD., NORCROSS GA 30071.

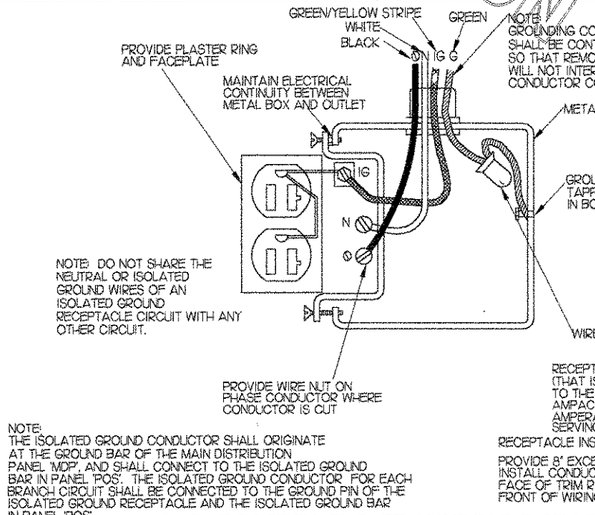
NOTE 1: ALL SO CORD LENGTHS SHALL BE MEASURED FROM THE REAR OF THE EQUIPMENT TO THE END OF THE CORD

NOTE 2: WHERE 2002 NATIONAL ELECTRICAL CODE IS IN EFFECT, CONTRACTOR SHALL PROVIDE GROUND FAULT PROTECTION FOR ALL 120 VOLT, 15 AND 20 AMP RECEPTACLES IN THE KITCHEN. GROUND FAULT PROTECTION SHALL BE PROVIDED AT THE RECEPTACLE AS A GROUND FAULT TYPE RECEPTACLE UNLESS OTHERWISE NOTED ON THE PLANS. G.F. WIRING DEVICE SHALL BE COOPER #GF20V RATHER THAN THAT SPECIFIED ABOVE.

NOTE 3: PROVIDE 7FT. SO 2/4 CORD, ~~INSTALL RING SLEEVE DEVICE IN LINE ON SO CORD AT~~ 6 FT. FROM BACK OF UNIT, ~~EXTEND LIFT ADDITIONAL SO CORD~~ TO BOX AT WALL. PROVIDE 90 DEG. LIQUID TIGHT GRIP/STRAIN RELIEF AT BOTH ENDS OF CORD, 2 GANG BOX.

ABBREVIATIONS

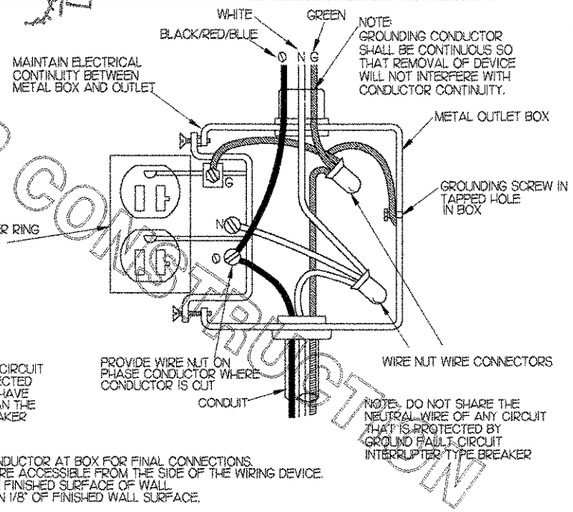
AC	AIR CONDITIONER
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CL	CENTERLINE
COMM	COMMUNICATION SYSTEM
DIA	DIAMETER
EC	EMPTY CONDUIT
EF	EXHAUST FAN
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
GF/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
IG	ISOLATED GROUND
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
N/A	NOT APPLICABLE
NL	NIGHT LIGHT
OC	ON CENTER
POS	POINT OF SALE EQUIPMENT
SEC	SECURITY
TR	TAMPER RESISTANT
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF (NEMA 3R)
#EM	CIRCUIT NUMBER, EMERGENCY LIGHTING
#A	CIRCUIT NUMBER, SWITCH BANK SWITCH



NOTE:
THE ISOLATED GROUND CONDUCTOR SHALL ORIGINATE AT THE GROUND BAR OF THE MAIN DISTRIBUTION PANEL 'MDP', AND SHALL CONNECT TO THE ISOLATED GROUND BAR IN PANEL 'POS'. THE ISOLATED GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT SHALL BE CONNECTED TO THE GROUND PIN OF THE ISOLATED GROUND RECEPTACLE AND THE ISOLATED GROUND BAR IN PANEL 'POS'.

1 I. G. RECEPTACLE GROUNDING DETAIL

NOT TO SCALE



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.

RECEPTACLE INSTALLATION NOTES:

PROVIDE 8" EXCESS LENGTH OF EACH CONDUCTOR AT BOX FOR FINAL CONNECTIONS. INSTALL CONDUCTORS SUCH THAT THEY ARE ACCESSIBLE FROM THE SIDE OF THE WIRING DEVICE. FACE OF TRIM RING SHALL BE FLUSH WITH FINISHED SURFACE OF WALL. FRONT OF WIRING DEVICE SHALL BE WITHIN 1/8" OF FINISHED WALL SURFACE.

2 TYPICAL RECEPTACLE GROUNDING DETAIL

NOT TO SCALE

FOR CONSTRUCTION
NOT FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

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INTERPLAN
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

STORE SERIES
FSU 03--A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
ELEC. LEGEND AND SCHED.

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

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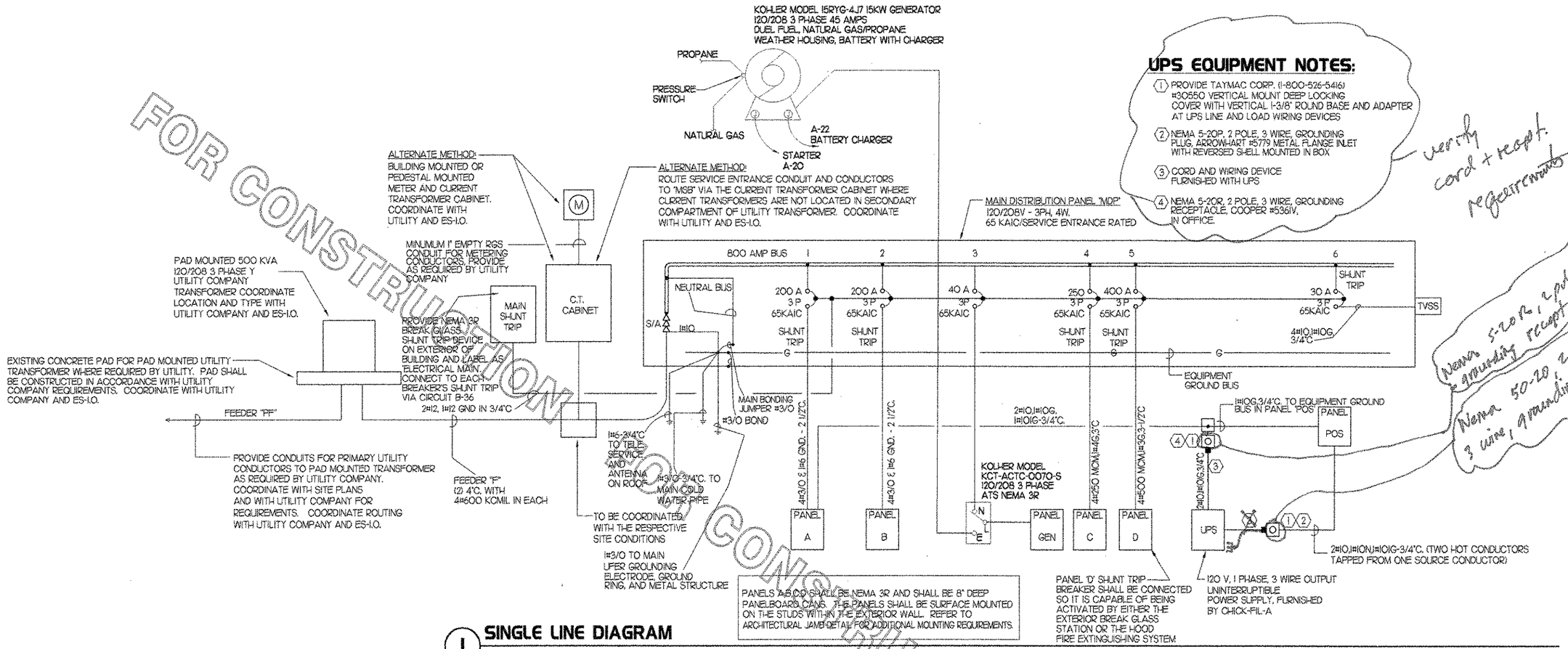


UPS EQUIPMENT NOTES:

1. PROVIDE TAYMAC CORP. (1-800-526-5416) #30550 VERTICAL MOUNT DEEP LOCKING COVER WITH VERTICAL 1-3/8" ROUND BASE AND ADAPTER AT UPS LINE AND LOAD WIRING DEVICES
2. NEMA 5-20P, 2 POLE, 3 WIRE, GROUNDING PLUG, ARROW-HART #5779 METAL FLANGE INLET WITH REVERSED SHELL MOUNTED IN BOX
3. CORD AND WIRING DEVICE FURNISHED WITH UPS
4. NEMA 5-20R, 2 POLE, 3 WIRE, GROUNDING RECEPTACLE, COOPER #5361V, IN OFFICE.

verify cord + recpt. requirements

Nema 5-20R, 2 pole, 3 wire grounding recpt

Nema 50-20, 2 pole 3 wire, grounding plug

1 SINGLE LINE DIAGRAM

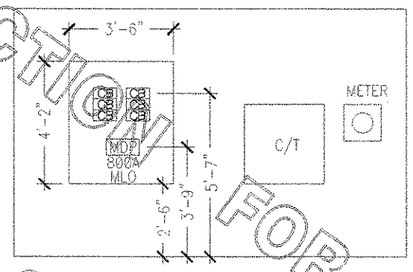
NOT TO SCALE

SINGLE LINE DIAGRAM NOTES

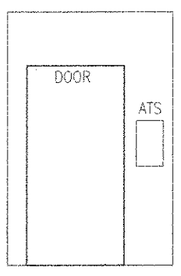
1. VERIFY SERVICE LOCATIONS AND CONFORM TO THE REQUIREMENTS OF THE POWER COMPANY AND/OR DEVELOPER. POWER COMPANY AND/OR DEVELOPER SHALL BE CONTACTED PRIOR TO BEGINNING CONSTRUCTION TO ARRANGE AND VERIFY FOR THE INSTALLATION OF THE POWER COMPANY SERVICE, METER AND OTHER ITEMS.
2. GROUND ALL EQUIPMENT AND SERVICES IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LOCAL APPLICABLE CODES, AND ALSO AS INDICATED ON DRAWINGS.
3. MAKE THE NECESSARY INSPECTIONS OF EXISTING SITE AND SERVICE LOCATIONS AS REQUIRED FOR THIS WORK AND MAKE ALLOWANCE FOR EXISTING CONDITIONS BEFORE SUBMITTING BID. VERIFY WORK REQUIRED WITH POWER COMPANY AND TELEPHONE COMPANY.
4. CUT AND PATCH THE CONSTRUCTION WORK AS REQUIRED FOR PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL MATCH THE SURROUNDING WORK TO THE SATISFACTION OF THE ARCHITECT. ALL CONDUIT SHALL BE INSTALLED CONCEALED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT. COORDINATE SAW CUTTING WITH LANDLORD'S OR OWNER'S REPRESENTATIVE.
5. WIRE AND CABLE:
   A. CONDUCTORS SHALL BE COPPER, #12 AWG, MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE.
   B. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID AND #8 AWG AND LARGER SHALL BE STRANDED. INSULATION SHALL BE 600 VOLT, THHN/THWN.
6. PROVIDE ENGRAVED LAMINATED PHENOLIC BLACK-ON-WHITE (UNLESS NOTED OTHERWISE) NAMEPLATES SECURED TO EQUIPMENT WITH ADHESIVE AND SCREWS FOR PANELBOARDS, RELAY CABINETS, TRANSFORMERS, DISTRIBUTION BOARDS, AND MAIN PANELBOARD - IDENTIFYING EQUIPMENT DESIGNATION (CORRESPONDING WITH DESIGNATION USED ON DRAWINGS) AND EQUIPMENT VOLTAGE. LETTERING SHALL BE 1/4" HIGH. PROVIDE LABELS FOR CIRCUIT BREAKERS, FUSIBLE SWITCHES AND STARTERS IN PANELBOARDS AND DISTRIBUTION BOARDS FOR EACH DEVICE IDENTIFYING EQUIPMENT CONTROLLED. LETTERING SHALL BE 1/8" HIGH.
7. ALL DEVICES SHALL HAVE AN INTERRUPTING CAPACITY NOT LESS THAN THE POWER COMPANY AVAILABLE FAULT CURRENT, OR AS INDICATED ON THE DRAWINGS.
8. 120/208 VOLT BRANCH CIRCUIT PANELBOARD BREAKERS SHALL HAVE A MINIMUM UL SERIES RATING OF 65 KAIC WITH UP-STREAM FEEDER BREAKERS AS NOTED.
9. AVAILABLE SPACE FOR MAIN PANELBOARD IS LIMITED. PANELBOARD MUST FIT IN ALLOCATED SPACE. COORDINATE WITH CONSTRUCTION AS REQUIRED.
10. ALL WIRING SHALL BE IN CONDUIT, E.M.T. OR RIGID. FLEXIBLE CONDUIT MAY ONLY BE USE FOR FINAL CONNECTIONS AND WITH GREEN EQUIPMENT GROUNDING CONDUCTOR.

SWITCHGEAR AND CONTROL EQUIPMENT NOTES:

1. PURCHASE PANELBOARDS, WIREWAYS, SURGE ARRESTOR, AND TVSS FROM SUNCOAST ENVIRONMENTAL, INC.
   CONTACT : SCOTT DYER (877)544-6679.
   NO SUBSTITUTIONS ALLOWED.
2. PURCHASE CONTROL PANEL "T-500" ALSO FROM SUNCOAST ENVIRONMENTAL, INC. NO SUBSTITUTIONS ALLOWED. ALL EQUIPMENT IN THE CONTROL PANEL SHALL BE INSTALLED, WIRED AND CONNECTED AT THE FACTORY, INCLUDING: AUTOMATIC LIGHTING CONTROL SYSTEM, LIGHTING RELAYS, HVAC STARTERS, POWER SUPPLIES, MISCELLANEOUS RELAYS AND CONTROLS, AND THERMOSTATS.
3. CONTRACTOR SHALL PROVIDE PANEL FEEDERS A, B, C, D AND POS, BRANCH CIRCUIT CONDUIT AND WIRE, AND SHALL INSTALL ALL EQUIPMENT AS REQUIRED.
4. ALL BREAKERS AND PANELS SHALL BE SQUARE D AS DESIGNED AND FURNISHED THRU SUNCOAST ENVIRONMENTAL, INC. NO SUBSTITUTIONS ALLOWED.
5. TVSS AND SURGE ARRESTOR UNITS SHALL BE MOUNTED DIRECTLY ADJACENT TO THE SIDE OF THE MAIN DISTRIBUTION PANEL IN NEMA 3R ENCLOSURES. CLOSE NIPPLE THE UNITS TO THE SIDE OF THE PANEL. PROVIDE CONNECTION OF TVSS UNIT TO BREAKER IN PANEL. CONNECT SURGE ARRESTOR TO MAIN INCOMING LUGS OF THE PANEL. CONNECT BOTH WITH WIRE LENGTH OF MAXIMUM 12" AND WITHOUT BENDS IN WIRING.



A ELECTRICAL ELEVATION



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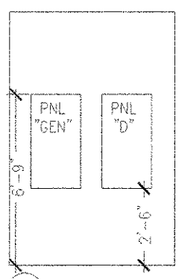

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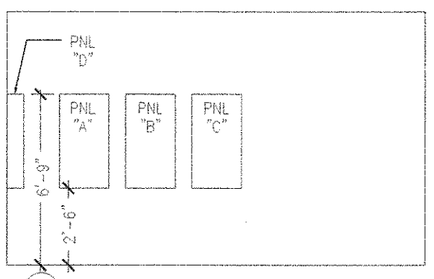
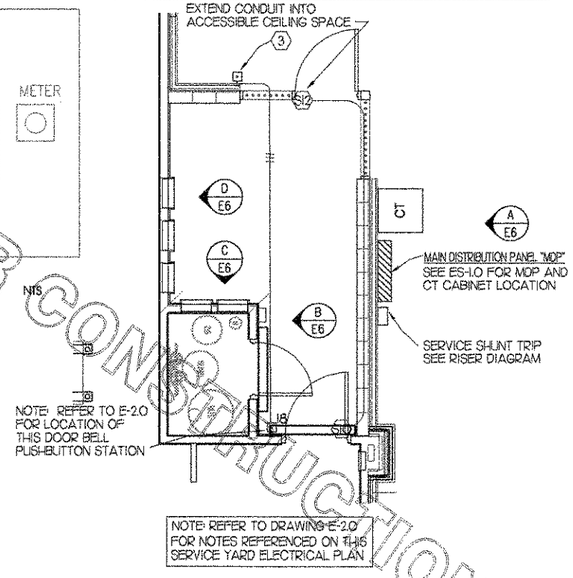


D ELECTRICAL ELEVATION



NTS

2 SERVICE YARD ELECTRICAL

1/4"=1'-0"

FOR CONSTRUCTION
NOT FOR CONSTRUCTION
FOR CONSTRUCTION

Chick-fil-A
5200 Buffington Rd.
Atlanta Georgia,
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Revisions:

Mark	Date	By

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INTERIOR DESIGN
PROJECT MANAGEMENT

STORE SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
SINGLE LINE DIAGRAM

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

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E-6.0

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	A	SWITCH RATED:	SW	KVA PHASE A	21.4
MANUFACTURER / TYPE:	SEC / NQOD	ISOLATED GROUND:	IG	KVA PHASE B	17.82
VOLTS:	208 Y 120	GROUND FAULT:	GF	KVA PHASE C	20.39
PHASE / WIRE:	3 / 4	HACR:	HA	AMPS PHASE A	176.1
MAIN TYPE / CU BUS AMPS:	M.L.O. / 225	SHUNT TRIP:	ST	AMPS PHASE B	148.5
AIC RATING:	65000	LOCK-ON:	LO	AMPS PHASE C	169.9
MOUNTING:	SURFACE	NOTES:		KVA CONNECTED	59.34
NEMA RATING:	3R	SEE E-6.0 FOR CAN DEPTH		KVA DIVERSIFIED	57.01
QUANTITY OF SECTIONS:	1			AMPS CONNECTED	164.7
				AMPS DIVERSIFIED	158.2

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.	
	TELE RECEPTACLE		A	0.54	20/1	A	20/1	1.18	K	272	FLOOR MIXER	2	
3	OFF GEN & MUSIC		R	0.54	20/1	B	20/1	1.68	K	212	TEA BREWER	4	
5	OFF GEN PRNTRS		R	0.72	20/1	C	20/1	0.36	R		GEN OUTLETS	6	
7	DRINK TOWERS	205	K	0.72	20/1	A	20/1	1.44	MS		WATER HEAT	8	
9	GENERAL OUTLETS		R	0.18	20/1	B	20/1/GF	0.18	R		PLAT AREA RECEPT	10	
11	FF#1		MI	0.90	20/1	C	20/1	1.78	K	215	COFFEE MAKER (Dual)	12	
13	LIC. REFRIG	229	K	0.40	20/1/LO	A	25/1	1.66	MI		EFF#2	14	
15	LIC. REFRIG	229	K	0.79	20/1/LO	B	20/1	0.36	R		MUSIC	16	
17	FF#2		HT	2.63	30/3	C	20/1	0.90	R		GEN.OUTLET/DBELL	18	
19	---		HT	2.63	---	A	20/1	0.10	MS		GENERATOR STARTER	20	
21	---		HT	2.63	---	B	20/1	0.00	MS		BATTERY CHARGER (GEN)	22	
23	SANDWICH SLIDE	131	K	1.26	20/2	C	30/1				SPARE	24	
25	---	131	K	1.26	---	A	20/1				SPARE	26	
27	CARBONATOR	207	K	0.86	20/1	B	20/1/ST	1.29			PANEL POS	28	
29	CARBONATOR	207	K	0.86	20/1	C	20/1				SPARE	30	
31	CARBONATOR	207	K	0.86	20/1	A	20/1				SPARE	32	
33	CARBONATOR	207	K	0.86	20/1	B	20/1				SPARE	34	
35	BOOSTER PUMP		MI	1.44	20/2	C	20/1				SPARE	36	
37	---		MI	1.44	---	A	70/3/HA	6.00	HV		A/C	38	
39	EMPLY. AREA OUTLETS		R	0.72	20/1	B	---	6.00	HV		---	40	
41	EF-1		MI	1.66	25/1	C	---	6.00	HV		---	42	

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

LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	0	1.25		0
EXTERIOR LIGHTING/SIGNAGE	EL	0	1.25		0
RECEPTACLES	R	4.5	PER(KVA*50))		4.5
MISCELLANEOUS	MS	1.44	1.25		1.8
HVAC	HV	18	1		18
HEAT	HT	8.39	1		8.39
SINGLE PHASE MOTOR	MI	7.1	1.25		8.875
LARGEST MOTOR	LM	10.02	0.25		2.505
THREE PHASE MOTOR	M3	0	1		0
KITCHEN	K	19.908	0.65		12.94
TOTAL		69.356	TOTAL		57.01

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	C	SWITCH RATED:	SW	KVA PHASE A	20.93
MANUFACTURER / TYPE:	SEC / NQOD	ISOLATED GROUND:	IG	KVA PHASE B	18.92
VOLTS:	208 Y 120	GROUND FAULT:	GF	KVA PHASE C	21.3
PHASE / WIRE:	3 / 4	HACR:	HA	AMPS PHASE A	174.4
MAIN TYPE / CU BUS AMPS:	M.L.O. / 400	SHUNT TRIP:	ST	AMPS PHASE B	157.7
AIC RATING:	65000	LOCK-ON:	LO	AMPS PHASE C	177.5
MOUNTING:	SURFACE	NOTES:		KVA CONNECTED	61.15
NEMA RATING:	3R	SEE E-6.0 FOR CAN DEPTH		KVA DIVERSIFIED	73.42
QUANTITY OF SECTIONS:	1			AMPS CONNECTED	169.7
				AMPS DIVERSIFIED	203.8

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	EMPLOYEE LTS		L	0.95	20/1	A	20/1	1.62	EL		BUILDING SIGNAGE	7	B
3	KITCHEN LTS		L	0.96	20/1/LO	B	20/1	1.62	EL		BUILDING SIGNAGE	4	B
5	RESTROOM LTS/EFF'S		L	1.00	20/1/LO	C	20/1				SPARE	6	
7	DINING AREA/WW LTS		L	0.88	20/1	A	20/1				SPARE	8	
9	PLAYGROUND		L	0.80	20/1/LO	B	20/1				SPARE	10	
11	DINING AREA LTS		L	1.62	20/1/LO	C	20/1/LO	0.99	EL		SECURITY LIGHTS	12	D
13	DINING AREA LTS		L	1.47	20/1	A	45/3/HA	2.73	HV		A/C-1 (LG/MED BLDG)	14	
15	SERVING AREA LTS		L	0.72	20/1/LO	B	---	2.73	HV		---	16	
17	MENUBOARDS		L	1.74	20/1	C	---	2.73	HV		---	18	
19	DIRECTIONAL SIGNS		EL	1.62	20/1	A	20/1	1.00	EL		AWNING	20	C
21	PARKING LOT LTG		EL	1.40	30/1	B	20/1	0.39	EL		WALL PACK	22	C
23	PARKING LOT LTG		EL	1.40	30/1	C	20/1	0.72	EL		GOOSENECKS	24	C
25	PARKING LOT LTG		EL	1.40	30/1	A	70/3/HA	5.46	HV		A/C-2 (LG/MED BLDG)	26	
27	PARKING LOT LTG		EL	1.40	30/1	B	---	5.46	HV		---	28	
29	PARKING LOT LTG		EL	1.40	30/1	C	---	5.46	HV		---	30	
31	PARKING LOT LTG		EL	1.40	30/1	A	20/1				SPARE	32	
33	MENUBOARD LTS		L	0.20	20/1	B	20/1				SPARE	34	
35	FRZR/COOLER LTS	240/1	L	1.00	15/1/LO	C	20/1				SPARE	36	
37	MAIN ID SIGN		EL	1.62	20/1	A	20/1	0.78	L		DT CAN/PRESELL	38	
39	MAIN ID SIGN		EL	1.62	20/1	B	20/1	1.62	EL		BUILDING SIGNAGE	40	B
41	MAIN ID SIGN		EL	1.62	20/1	C	20/1	1.62	EL		BUILDING SIGNAGE	42	B

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

LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	12.12	1.25		15.15
EXTERIOR LIGHTING/SIGNAGE	EL	24.46	1.25		30.58
RECEPTACLES	R	0	PER(KVA*50))		0
MISCELLANEOUS	MS	0	1		0
HVAC	HV	24.57	1		24.57
HEAT	HT	0	1		0
SINGLE PHASE MOTOR	MI	0	1		0
LARGEST MOTOR	LM	12.5	0.25		3.125
THREE PHASE MOTOR	M3	0	1		0
KITCHEN	K	0	0.7		0
TOTAL		73.65	TOTAL		73.42

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	B	SWITCH RATED:	SW	KVA PHASE A	19.3
MANUFACTURER / TYPE:	SEC / NQOD	ISOLATED GROUND:	IG	KVA PHASE B	17.6
VOLTS:	208 Y 120	GROUND FAULT:	GF	KVA PHASE C	18.66
PHASE / WIRE:	3 / 4	HACR:	HA	AMPS PHASE A	160.8
MAIN TYPE / CU BUS AMPS:	M.L.O. / 225	SHUNT TRIP:	ST	AMPS PHASE B	146.7
AIC RATING:	65000	LOCK-ON:	LO	AMPS PHASE C	155.4
MOUNTING:	SURFACE	NOTES:		KVA CONNECTED	55.55
NEMA RATING:	3R	SEE E-6.0 FOR CAN DEPTH		KVA DIVERSIFIED	47.52
QUANTITY OF SECTIONS:	1			AMPS CONNECTED	154.2
				AMPS DIVERSIFIED	131.9

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	ICE MAKER	222	K	2.02	30/3/LO	A	20/1	0.38	EL		REFUSE ENCLOSURE	2	
3	---	222	K	2.02	---	B	20/1	0.36	R		GEN OUTLETS	4	
5	---	222	K	2.02	---	C	20/1	1.67	K	249	FOOD WARMER	6	
7	BUN WARMER	246	K	1.66	20/2	A	20/1/LO	0.97	K	227	REF DISPLAY CASE	8	
9	---	246	K	1.66	---	B	20/1/LO	1.25	K	236	SGL R-1 FREEZER	10	
11	SANDWICH TOASTER	243	K	0.72	20/1	C	20/1	1.85	L	185	PRY HOLDING STAT	12	
13	BISCUIT HOLD. CAB.	251	K	2.05	20/1	A	20/1	1.04	K	247	WARMING DRAWER	14	
15	COFFEE WARM (2 of 2)	217	K	0.46	20/1	B	20/1	0.50	MI		D.T. WINDOW	16	
17	SINGLE JUICE DISP.	219	K	0.38	20/1	C	20/1/LO	0.70	K	242	THAWING CABINET	18	
19	ICE CREAM MACHINE	224	K	2.04	20/3/LO	A	20/1/LO	0.70	K	231	REF. BREAD TABLE	20	
21	---	224	K	2.04	---	B	20/1	0.36	R		GEN OUTLETS	22	
23	---	224	K	2.04	---	C	20/1				SPARE	24	
25	ROOF RECEPTACLES		R	0.72	20/1	A	20/1/LO	0.70	K	294	REF WORK TABLE	26	
27	GENERAL OUTLETS		R	1.08	20/1	B	20/1/LO	0.70	K	294	REF WORK TABLE	28	
29	SPARE				20/1	C	30/1	1.92	K	273	FOOD CUTTER	30	
31	FLY SYSTEM	73.4	MS	0.32	20/1	A	20/1/LO	0.70	K	294	REF WORK TABLE	32	
33	DOUBLE JUICE DISP.	220	K	0.48	20/1	B	20/1/LO	0.70	K	294	REF WORK TABLE	34	
35	LEMON JUICER STAND		R	0.36	20/1	C	20/1/LO	1.00	MS		T-500/SHUNT TRIP	36	
37	SPARE				20/1	A	100/3/HA	6.00	HV		A/C(SLG/MED BLDG)	38	
39	SPARE				20/1	B	100/3/HA	6.00	HV		---	40	
41	SPARE				20/1	C	---	6.00	HV		---	42	

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LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	1.848	1.25		2.31
EXTERIOR LIGHTING/SIGNAGE	EL	0.38	1.25		0.475
RECEPTACLES	R	2.88	PER(KVA*50))		2.88
MISCELLANEOUS	MS	1.32	1.25		1.65
HVAC	HV	18	1		18
HEAT	HT	0	1		0
SINGLE PHASE MOTOR	MI	0.5	1.25		0.625
LARGEST MOTOR	LM	6.7	0.25		1.675
THREE PHASE MOTOR	M3	0	1		0
KITCHEN	K	30.624	0.65		19.91
TOTAL		62.252	TOTAL		47.52

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	D	SWITCH RATED:	SW	KVA PHASE A	42.78
MANUFACTURER / TYPE:	SEC / NQOD	ISOLATED GROUND:	IG	KVA PHASE B	42.62
VOLTS:	208 Y 120	GROUND FAULT:	GF	KVA PHASE C	42.88
PHASE / WIRE:	3 / 4	HACR:	HA	AMPS PHASE A	356.5
MAIN TYPE / CU BUS AMPS:	M.L.O. / 400	SHUNT TRIP:	ST	AMPS PHASE B	355.2
AIC RATING:	65000	LOCK-ON:	LO	AMPS PHASE C	357.3
MOUNTING:	SURFACE	NOTES:		KVA CONNECTED	128.3
NEMA RATING:	3R	ALL BREAKERS SHALL BE		KVA DIVERSIFIED	85.43
QUANTITY OF SECTIONS:	1	SQ D QOB-VH		AMPS CONNECTED	356.1
		SEE E-6.0 FOR CAN DEPTH		AMPS DIVERSIFIED	237.1

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	PRESSURE FRYER	256	K	4.56	50/3	A	60/3	5.5	K	265	RANGE/OVEN	2	
3	---	256	K	4.56	---	B	---	5.5	K	265	---	4	
5	---	256	K	4.56	---	C	---	5.5	K	265	---	6	
7	PRESSURE FRYER	256	K	4.56	50/3	A	60/3	7.32	K	255	OPEN FRYER	8	
9	---	256	K	4.56	---	B	---	7.32	K	255	---	10	
11	---	256	K	4.56	---	C	---	7.32	K	255	---	12	
13	PRESSURE FRYER	256	K	4.56	50/3	A	60/3	7.32	K	255	OPEN FRYER	14	
15	---	256	K	4.56	---	B	---	7.32	K	255	---	16	
17	---	256	K	4.56	---	C	---	7.32	K	255	---	18	
19	PRESSURE FRYER	256	K	4.56	50/3	A	20/1	1.15	L	116	HEAT LAMPS	20	E
21	---	256	K	4.56	---	B	20/1	1.00	L		HOOD LT/C. J FANS	22	E
23	---	256	K	4.56	---	C	20/1	1.26	L	252/184	HUDS CASH-IT LAMP	24	E
25	CHARGRILL COOKER	257	K	3.24	40/3	A	20/1				SPARE	26	
27	---	257	K	3.24	---	B	20/1				SPARE	28	
29	---	257	K	3.24	---	C	20/1				SPARE	30	

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LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	3.4	1.25		4.28
EXTERIOR LIGHTING/SIGNAGE	EL	0	1.25		0.00
RECEPTACLES	R	0	PER(KVA*50))		0
MISCELLANEOUS	MS	0	1.25		0
HVAC	HV	0	1		0.00
HEAT	HT	0	1		0
SINGLE PHASE MOTOR	MI	0	1.25		0.00
LARGEST MOTOR	LM	0	0.25		0.00
THREE PHASE MOTOR	M3	0	1		0
KITCHEN	K	124.86	0.65		81.159
TOTAL		128.28	TOTAL		85.43

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	GEN	SWITCH RATED:	SW	KVA PHASE A	42.78
MANUFACTURER / TYPE:	SEC / NQOD	ISOLATED GROUND:	IG	KVA PHASE B	42.62
VOLTS:	208 Y 120	GROUND FAULT:	GF	KVA PHASE C	42.88
PHASE / WIRE:	3 / 4	HACR:	HA	AMPS PHASE A	356.5
MAIN TYPE / CU BUS AMPS:	40 / 100	SHUNT TRIP:	ST	AMPS PHASE B	355.2
AIC RATING:	22000	LOCK-ON:	LO	AMPS PHASE C	357.3
MOUNTING:	SURFACE	NOTES:		KVA CONNECTED	128.3
NEMA RATING:	3R	ALL BREAKERS SHALL BE		KVA DIVERSIFIED	85.43
QUANTITY OF SECTIONS:	1	SQ D QOB-VH		AMPS CONNECTED	356.1
		SEE E-6.0 FOR CAN DEPTH		AMPS DIVERSIFIED	237.1

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	FREEZER CONDENS	240A	K	1.13	20/3/LO/HA	A	20/2/HA/LO	0.75	K	241A	COOLER CONDENS	2	
3	---	240A	K	1.13	---	B	---	0.75	K	241A	---	4	
5	---	240A	K	1.13	---	C	20/1/LO	0.25	K	241B	COOLER EVAP	6	
7	FREEZER EVAP	240B	K	1.13	20/1/LO/HA	A	20/1/SFE	0.50	HT	240	FREEZER HEAT TAPE	8	
9	---	240B	K	1.13	---	B						10	
11						C	20/1/SFE	1.7	MI	-	SUMP PUMP	12	
13						A						14	
15						B						16	
17						C						18	

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

LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
HEAT	HT	0.5	1		0.5
SINGLE PHASE MOTOR	MI	1.7	1.25		2.2
LARGEST MOTOR	LM	0	0.25		0.00
THREE PHASE MOTOR	M3	0	1		0
KITCHEN	K	7.4	0.65		4.6
TOTAL		9.5	TOTAL		7.5

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	MDP	SWITCH RATED:	SW	KVA PHASE A	104.1
MANUFACTURER / TYPE:	SEC / I-LINE	ISOLATED GROUND:	IG	KVA PHASE B	98.22
VOLTS:	208 Y 120	GROUND FAULT:	GF	KVA PHASE C	105.2
PHASE / WIRE:	3 / 4	HACR:	HA	AMPS PHASE A	867.8
MAIN TYPE / CU BUS AMPS:	M.L.O. / 800	SHUNT TRIP:	ST	AMPS PHASE B	818.5
AIC RATING:	65000	LOCK-ON:	LO	AMPS PHASE C	860.2
MOUNTING:	SURFACE	NOTES:		KVA CONNECTED	305.6
NEMA RATING:	3R	SERVICE ENTRANCE		KVA DIVERSIFIED	262.8
QUANTITY OF SECTIONS:	2	RATED		AMPS CONNECTED	848.2
				AMPS DIVERSIFIED	729.5

CIR NO.	LOAD DESCRIPTION	LOAD TYPE	LOAD KVA	CIR BKR #A/P/O	PH	CIR BKR #A/P/O	LOAD KVA	LOAD TYPE	LOAD DESCRIPTION	CIR NO.
1	PANEL 'A'		21.4	200/3/ST	A	250/3/ST	20.93		PANEL 'C'	2
3	SHUNT TRIP		17.82	---	B	---	18.92		SHUNT TRIP	4
5	BREAKER		20.39	---	C	---	21.30		BREAKER	6
7	PANEL 'B'		19.30	200/3/ST	A	400/3/ST	42.78		PANEL 'D'	8
9	SHUNT TRIP		17.60	---	B	---	42.62		SHUNT TRIP	10
11	BREAKER		18.65	---	C	---	42.88		BREAKER	12
13	PANEL 'GEN'		3.50	45/3/ST	A	30/3/ST			TVSS	14
15	VIA		3.01	---	B	---			SHUNT TRIP	16
17	ATS		3.08	---	C	---			BREAKER	18

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

LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	17.386	1.25		21.74
EXTERIOR LIGHTING/SIGNAGE	EL	24.84	1.25		31.05
RECEPTACLES	R	7.36	PER(KVA*50))		7.36
MISCELLANEOUS	MS	4.024	1.25		5.03
HVAC	HV	60.57	1		60.57
HEAT	HT	8.39	1		8.39
SINGLE PHASE MOTOR	MI	7.6	1.25		9.5
LARGEST MOTOR	LM	20.66	0.25		5.165
THREE PHASE MOTOR	MS	0	1		0
KITCHEN	K	175.992	0.65		114.00
TOTAL		326.944	TOTAL		262.82

OPTIONAL LOAD SUMMARY SCHEDULE

1996/1999 NEC LOADS

VOLTS:	208 Y 120	KVA PHASE A	104.1	
PHASE / WIRE:	3 / 4	KVA PHASE B	98.22	
		KVA PHASE C	109.2	
		AMPS PHASE A	867.8	
		AMPS PHASE B	818.5	
		AMPS PHASE C	860.2	
		KVA CONNECTED	305.6	
		KVA DIVERSIFIED	244.5	
		AMPS CONNECTED	848.2	
		AMPS DIVERSIFIED	678.6	

CIR NO.	LOAD DESCRIPTION	LOAD KVA	PH	CIR NO.	LOAD DESCRIPTION	
1	PANEL 'A'	21.4	A	20.93	PANEL 'C'	2
3	-----	17.82	B	18.92	-----	4
5	-----	20.39	C	21.30	-----	6
7	PANEL 'B'	19.30	A	42.78	PANEL 'D'	8
9	-----	17.60	B	42.62	-----	10
11	-----	18.65	C	42.88	-----	12
13	NON-USABLE		A		TVSS	14
15	PANEL 'POS'	1.26	B			16
17	NON-USABLE		C			18

LOAD SUMMARY PER 1996 & 1999 NEC ARTICLE 220-36

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	17.368	0.8		13.91
EXTERIOR LIGHTING/SIGNAGE	EL	24.84	0.8		19.87
RECEPTACLES	R	7.36	0.8		5.90
MISCELLANEOUS	MS	4.024	0.8		3.22
HVAC	HV	60.57	0.8		48.46
HEAT	HT	8.39	0.8		6.712
SINGLE PHASE MOTOR	MI	7.6	0.8		6.08
THREE PHASE MOTOR	M3	0	0.8		0
KITCHEN	K	175.992	0.8		140.51
TOTAL		306.584	TOTAL		244.47

LOAD SUMMARY PER 2002 NEC ARTICLE 220-36

TOTAL KVA	305.584	
0-200 KVA @ 100 %	200	DEMAND PER TABLE
201-325 KVA @ 50%	52.79	DEMAND PER TABLE
TOTAL KVA DIVERSIFIED	252.79	
TOTAL AMPS DIVERSIFIED	702.20	

PANELBOARD SCHEDULE

PANELBOARD DESCRIPTION		BREAKER OPTIONS		LOADS	
PANELBOARD NAME:	POS	SWITCH RATED:	SW	KVA PHASE B	1.264
UPS INPUT VOLT/OUTPUT VOLT	120 / 120	ISOLATED GROUND:	IG		
PHASE / WIRE:	1 / 4	GROUND FAULT:	GF		
MAIN TYPE / CU BUS AMPS:	M.L.O. / 100	HACR:	HA	AMPS PHASE B	10.53
AIC RATING:	10000	SHUNT TRIP:	ST		
MOUNTING:	FLUSH	LOCK-ON:	LO		
NEMA RATING:	1	NOTES:		KVA CONNECTED	1.264
QUANTITY OF SECTIONS:	1	CONNECT BOTH PHASE BARS		KVA DIVERSIFIED	1.58
		TO PHASE B, PURN. WITH I.G.		AMPS CONNECTED	10.53
		BAR. SEE E6.0 RISER DIAGRAM		AMPS DIVERSIFIED	13.17

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	201	MS	0.08	15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	2	
3	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	4	
5	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	6	
7	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	8	
9	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	10	
11	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	12	
13	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO				SPARE	14	
15	CASH REGISTER	201	MS	0.08	15/1/LO	B	15/1/LO				SPARE	16	
17	SPARE				15/1/LO	B	15/1/LO	0.01	MS	200/4	PRINTER/CRED CARD	18	
19	SPARE				15/1/LO	B	15/1/LO	0.06	MS		VIDEO MONITOR	20	
21	OFFICE COMPUTER		MS	0.16	15/1/LO	B	15/1/LO	0.06	MS		VIDEO MONITOR	22	
23	OFFICE COMPUTER		MS	0.18	15/1/LO	B	15/1/LO	0.06	MS		VIDEO MONITOR	24	

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

LOAD SUMMARY

LOAD DESCRIPTION	TYPE	(KVA) X	(DEMAND FACTOR)	=	DIVERSIFIED KVA
LIGHTING	L	0	1.25		0
EXTERIOR LIGHTING/SIGNAGE	EL	0	1.25		0
RECEPTACLES	R	0	PER(KVA*50))		0
MISCELLANEOUS	MS	1.264	1.25		1.58
HVAC	HV	0	1		0
HEAT	HT	0	1		0
SINGLE PHASE MOTOR	MI	0	1		0
LARGEST MOTOR	LM	0	0.25		0
THREE PHASE MOTOR	M3	0	1		0
KITCHEN	K	0	0.65		0.00
TOTAL		1.264	TOTAL		1.58

(A) CONTROLLED BY 2-POLE RELAY IN CONTROL PANEL T-500 AND STORE-OPEN EXHAUST FAN SWITCH. EXHAUST FAN CONTAINS INTERNAL OVERLOAD PROTECTION.

(B) CONTROLLED BY EXTERIOR SIGN RELAY IN CONTROL PANEL T-500.

(C) CONTROLLED BY EXTERIOR LIGHTING RELAY CONTROL PAN

ELECTRICAL SPECIFICATIONS

SECTION 16001 - ELECTRICAL GENERAL PROVISIONS
PART 1- GENERAL
1.01 WORK INCLUDED
A. PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO FURNISH 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, EDITION OF 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 MANUFACTURER'S NAME, CATALOG NUMBER AND OTHER COMPLETE IDENTIFICATION AS WELL AS DIMENSIONS AND DETAILED DATA.
SUBMITTALS SHALL INCLUDE THE FOLLOWING:
LIGHTING FIXTURES
PANELBOARDS/BREAKERS
WIRING DEVICES AND DEVICE PLATES
ENCLOSED SWITCHES
UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM
B. CERTIFIED SHOP DRAWINGS AND SUBMITTALS SHALL BEAR STAMP OF APPROVAL BY 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 FERROUS 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 ADEQUIATELY PROTECT OWNER AGAINST LIABILITY FOR DAMAGE TO PUBLIC OR PERSONNEL. ALL LAMPS USED IN BARRICADE SHALL BE 60 WATT RED, INSTALLED IN WEATHERPROOF SOCKET WITH WIRE GUARD. ALL WIRING SHALL BE APPROVED FOR WEATHERPROOF 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 AND 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 1502, 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 CEILINGS.
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)
A. USE PVC 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)
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 CABLE
A. MC CABLE MAY BE USED, CONCEALED ABOVE CEILING AND IN WALLS, WHEN ALLOWED BY BY LOCAL CODES AND ARTICLE 334 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 BANKS.
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
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
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

4-wire

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 THHN/THWN INSULATION UNLESS NOTED OTHERWISE.
B. CONDUCTORS SHALL BE MANUFACTURED BY TRIANGLE, AMERICAN, ROME, SOUTHWIRE OR APPROVED EQUAL.
C. PROVIDE NO. 14 AWG TYPE THHN 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, SCOTCHLOK 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 KUPLER, 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.
B. VERIFY LOCATIONS OF FLOOR BOXES AND OUTLETS IN WORK AREAS PRIOR TO ROUGH-IN.

PART 2 - PRODUCTS
2.01 OUTLET BOXES
A. SHEET METAL OUTLET BOXES: GALVANIZED STEEL.
B. CAST BOXES: TYPE FS: CAST FERRALLOY. 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 PRESSED STEEL AND IN EXTERIOR AREAS WITH EXPOSED CONDUIT SHALL BE CAST METAL WITH THREADED HUBS: FS TYPE. USE GALVANIZED STEEL FOR CONCEALED BOXES. BOXES SHALL BE 4-1/2" 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-GEDNEY OR STEEL CITY.

FOR CONSTRUCTION
FOR CONSTRUCTION
FOR CONSTRUCTION

Chick-fil-A
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Revisions:
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STORE
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SHEET TITLE
ELECTRICAL SPECIFICATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

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E-7.0

ELECTRICAL SPECIFICATIONS (CONTINUED)

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 CEILINGS.
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 1-1/2" 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 4-11/16" 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: (ARROWHART CATALOG NUMBERS ARE LISTED UNLESS NOTED OTHERWISE)
1. SINGLE POLE TOGGLE SWITCHES:
A. 20 AMP IVORY DEVICE - #1221-I
B. 20 AMP PILOT LIGHTS ILLUMINATED WITH LOAD ON - #1991-PL
2. DOUBLE POLE TOGGLE SWITCHES: 20 AMP IVORY DEVICE- #1222-I

1.02 RECEPTACLES

A. SHALL BE PURCHASED FROM THE NATIONAL ACCOUNTS PROVIDER INDICATED ON THE PLANS.
B. DEVICES: (ARROWHART CATALOG NUMBERS ARE LISTED UNLESS OTHERWISE NOTED)
1. SPECIFICATION GRADE DEVICES (GREY IN PUBLIC DINING, OTHERWISE IVORY):
A. 20 AMP, 125 VOLTS A.C., RECEPTACLES
1. SINGLE DEVICE: #5361-I
2. DUPLEX DEVICE: #CR20I, CR20GRY
3. ISOLATED GROUND DUPLEX DEVICE: IG5362-ORANGE
4. ISOLATED GROUND SINGLE DEVICE: IG5361-ORANGE

1.03 SPECIAL DEVICES :

A. MANUAL MOTOR STARTER SWITCH: SQ. D CLASS 2510, 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 ARROWHART, 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 GFI 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 CEILINGS, 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 8" 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. FOR GFCI TYPE RECEPTACLES, DO NOT USE THE FEED THRU FEATURE, 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 GFCI RECEPTACLE WITH GFI RECEPTACLE TESTER AND VERIFY CIRCUIT IS OPENED BY GFI DEVICE AT AMPERE RANGES ESTABLISHED BY MANUFACTURER.

SECTION 16170 - GROUNDING AND BONDING

PART 1 - PRODUCTS

1.01 ROD ELECTRODES

A. MATERIAL: COPPER-CLAD STEEL.
B. DIAMETER: 3/4 INCH.
C. LENGTH: 10 FEET.

1.02 MECHANICAL CONNECTORS

A. MATERIAL: BRONZE.

1.03 WIRE

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

PART 2 - EXECUTION

2.01 INSTALLATION

A. INSTALL ROD ELECTRODES AT LOCATIONS INDICATED. INSTALL ADDITIONAL ROD ELECTRODES AS REQUIRED TO ACHIEVE RESISTANCE TO GROUND OF LESS THAN 25 OHMS.
B. PROVIDE GROUNDING ELECTRODE CONDUCTOR AND CONNECT TO REINFORCING STEEL IN FOUNDATION FOOTING.
C. PROVIDE BONDING TO MEET REGULATORY REQUIREMENTS.
D. BOND TOGETHER EACH METALLIC RACEWAY, PIPE, DUCT AND OTHER METAL OBJECTS.
E. 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 #3/0 BARE COPPER WIRE BOND ACROSS THE WATER METER, SAME TO BE ATTACHED TO GROUND CLAMPS ON WATER LINE ON EACH SIDE OF METER. ARRANGEMENTS SHALL BE MADE TO DO THIS WORK AT THE TIME THE WATER METER IS INSTALLED.
C. FROM THE POINT OF ENTRANCE OF THE WATER MAIN INTO THE BUILDING AND ON THE METER SIDE OF THE MAIN INSIDE WATER VALVE AND UNION INSTALL A STRANDED COPPER CABLE #3/0, IN 1-1/4" CONDUIT TO THE MAIN DISTRIBUTION PANEL. CONNECT THE CABLE TO THE EQUIPMENT GROUND BUS.
D. INSTALL A GREEN EQUIPMENT GROUNDING CONDUCTOR IN EACH RACEWAY, SIZED PER N.E.C. TABLE 250-122. TERMINATE ON EQUIPMENT GROUND BUS WITHIN PANELBOARD SERVING LOAD.
E. INSTALL #6 AWG COPPER GROUNDING CONDUCTOR FROM GROUND BAR IN MAIN TELEPHONE BOX TO GROUNDED NEUTRAL BUS IN MAIN DISTRIBUTION PANEL.
F. 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.

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

A. 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.
B. 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.
C. 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.
D. USE OF CHAINS, PERFORATED IRON, BALING WIRE, OR TIE WIRE FOR SUPPORTING CONDUIT RUNS IS NOT PERMITTED.
E. 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 ON 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 BUILDING SPACE.
F. PROVIDE A 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 16421 - UTILITY SERVICE ENTRANCE AND DISTRIBUTION SYSTEM

PART 1 - GENERAL

1.01 SYSTEM DESCRIPTION

A. THE UNDERGROUND ELECTRICAL SYSTEM SERVICE CHARACTERISTICS SHALL BE 208Y/120 VOLTS, THREE PHASE, FOUR WIRE SERVICE SHALL EXTEND FROM UTILITY COMPANY TRANSFORMER SECONDARY.
B. METERING OF ELECTRICAL USAGE SHALL BE LOCATED AS REQUIRED BY LOCAL ELECTRICAL UTILITY COMPANY. COORDINATE REQUIREMENTS WITH LOCAL UTILITY COMPANY.
C. DISTRIBUTION SYSTEM ORIGINATES AT SECONDARY OF UTILITY TRANSFORMER AND INCLUDES SERVICE ENTRANCE CONDUIT AND CONDUCTORS, DISTRIBUTION EQUIPMENT, LIGHTING PANELBOARDS, UTILIZATION EQUIPMENT, OVERCURRENT DEVICES, DISCONNECTING MEANS, CONTROLS, BRANCH AND FEEDER CIRCUITS, ETC.

PART 2 - PRODUCTS

2.01 MATERIALS

A. FURNISH SERVICE ENTRANCE CONDUIT, CABLE, AND MISCELLANEOUS HARDWARE AS REQUIRED BY PLANS AND SPECIFICATIONS FOR ELECTRICAL SERVICE ENTRANCE AND SYSTEM GROUNDING AT MAIN ELECTRICAL SERVICE.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

A. COORDINATE EXACT LOCATIONS OF ELECTRICAL SERVICE UTILITY TRANSFORMER, METERING EQUIPMENT, SERVICE LATERAL, ETC. PRIOR TO COMMENCEMENT OF INSTALLATION. CONTACT ENGINEER WITH CONFLICTS PRIOR TO BID.
B. ENSURE PAD MOUNTED TRANSFORMER IS NOT LOCATED WITHIN ROADWAY OR SIDEWALK.
C. COORDINATE WITH LOCAL ELECTRICAL UTILITY FOR ALL UTILITY COMPANY REQUIREMENTS AND PROVIDE FOR THE FOLLOWING ITEMS AND ANY OTHERS REQUIRED BY THE UTILITY:
1. CONCRETE PAD FOR UTILITY TRANSFORMER WITH REQUIRED DIMENSIONS AND DETAILS.
2. PRIMARY UNDERGROUND CONDUIT, EXCAVATION, AND BACKFILL REQUIREMENTS.
3. PAY FOR ALL FEES ASSOCIATED WITH ESTABLISHMENT OF ELECTRICAL SERVICE.
PROPER SIZING AND RATING OF UTILITY TRANSFORMER BY THE UTILITY.
4. FURNISH LIST OF LOADS TO THE ELECTRICAL UTILITY COMPANY SERVING THE FACILITY FOR
5. VERIFY THAT UTILITY COMPANY CLEARANCES ARE PROVIDED ON ALL SIDES OF UTILITY EQUIPMENT.
D. ENSURE PROPER ACCESS TO UTILITY EQUIPMENT IS MAINTAINED.
E. PROVIDE PULL ROPE, EXCAVATION IN ACCORDANCE WITH ELECTRICAL UTILITY COMPANY REQUIREMENTS, BACKFILL AND CONCRETE ENVELOPE FOR PRIMARY IN ACCORDANCE WITH ELECTRICAL UTILITY COMPANY REQUIREMENTS. TURN CONDUITS UP RISER POLE AS REQUIRED. CAP SPARE CONDUITS 12 INCHES ABOVE GRADE WITH PLUMBERS PIPE CAP.
F. PROVIDE SECONDARY LUGS ON UTILITY TRANSFORMER AND PERFORM DRILLING AND INSTALLATION OF LUGS IN ACCORDANCE WITH UTILITY REQUIREMENTS. TYPE OF LUGS SHALL BE IN ACCORDANCE WITH ELECTRICAL UTILITY COMPANY REQUIREMENTS. CONNECT SERVICE CONDUCTOR TO TRANSFORMER SECONDARY LUGS AS DIRECTED BY ELECTRICAL UTILITY.

SECTION 16441 - ENCLOSED SWITCHES

PART 1 - PRODUCTS

1.01 MANUFACTURERS

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

1.02 ENCLOSED SWITCHES

A. NONFUSIBLE 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.
1. INTERIOR DRY LOCATIONS: TYPE 1.
2. EXTERIOR LOCATIONS: TYPE 3R.

SECTION 16470 - PANELBOARDS

PART 1 - PRODUCTS

1.01 MANUFACTURERS

A. SUNCOAST ENVIRONMENTAL CONTROLS

FOR CONSTRUCTION

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SHEET TITLE
ELECTRICAL SPECIFICATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By :
Checked By:

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ELECTRICAL SPECIFICATIONS (CON'T.)

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 1.02D, 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 U.L. LISTED FOR USE WITH BOTH ALUMINUM AND COPPER WIRES.
G. PROVIDE PANELBOARD DOORS WITH CHROME-PLATED LOCKS AND CATCHES. ALL LOCKS SHALL BE KEYED 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. MULTI-POLE 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 HIGHTEST POSITION.
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 (1) 3/4 " EMPTY 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.
B. BALLASTS
   1. ADVANCE MARK III ENERGY SAVING ELECTROMAGNETIC BALLAST OR EQUAL BY:
   2. JEFFERSON
   3. UNIVERSAL
C. LAMPS
   1. OSRAM-SYLVANIA
   2. NORTH AMERICAN PHILIPS
   3. GENERAL ELECTRIC
D. CONTRACTOR SHALL PROVIDE FIXTURES BY MANUFACTURERS AS LISTED ON THE LIGHTING FIXTURE SCHEDULE OR EQUALS . ANY OTHER FIXTURE TYPES SUBSTITUTED FOR THOSE SPECIFIED SHALL BE APPROVED IN WRITING BY THE ENGINEER 10 WORKING DAYS PRIOR TO BID. REQUEST FOR APPROVAL SHALL BE IN ACCORDANCE WITH GENERAL CONDITIONS OF THESE SPECIFICATIONS, SHALL BE ACCOMPANIED WITH CUT SHEETS OF THE SPECIFIED AND SUBSTITUTE FIXTURES, AS WELL AS A TOTAL COST CREDIT FOR THE SUBSTITUTE. WRITTEN REQUESTS FOR APPROVAL SHALL BE SUBMITTED TO THE ENGINEER NOT LESS THAN 15 WORKING DAYS PRIOR TO BID.

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 COMPATABLE FOR OPERATION TOGETHER.
G. EXTERIOR FIXTURES AND POLES SHALL BE SUITABLE FOR EXTERIOR USE, SHALL BE U. L. 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 OF TYPES AND QUANTITY SHOWN ON DRAWINGS.

1.04 EMERGENCY LIGHTING UNITS

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

PART 2 - EXECUTION

2.01 INSTALLATION

A. LIGHTING FIXTURES SHALL BE STRUCTURALLY SUPPORTED. FLUORESCENT FIXTURES MOUNTED IN DROPPED CEILINGS 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 CEILINGS 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 FUSEHOLDER WITH BUSSMAN LIMITRON FUSE OF AMPERE RATING 3 TIMES THE LOAD CURRENT.
I. SURFACE AND RECESSED FIXTURES ON OR IN PLASTERED OR DRYWALL CEILINGS SHALL BE SUPPORTED BY SUPPORT CHANNELS. SUPPORT CHANNELS SHALL SPAN ACROSS MAIN SUPPORT CHANNELS AND SHALL NOT DEPEND UPON CEILINGS FOR SUPPORT.

3.02 FIELD QUALITY CONTROL

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

SECTION 16741 - TELEPHONE SERVICE

PART 1 - GENERAL

1.01 WORK INCLUDED

A. FURNISH AND INSTALL TELEPHONE SYSTEM CONSISTING OF EMPTY CONDUITS, JUNCTION BOXES, OUTLET BOXES, DEVICE PLATES, ETC., AS SPECIFIED AND SHOWN ON OWNER SELECTED VENDOR WIRING SCHEMATICS. CABLE, EQUIPMENT, AND INSTALLATION OF THE INTERIOR SYSTEM WILL BE PROVIDED BY THE OWNER'S SYSTEM VENDOR.
B. PROVIDE UNDERGROUND PVC, SCHEDULE 40, SERVICE CONDUIT AS REQUIRED BY PLANS.
C. TELEPHONE UTILITY COMPANY WILL PROVIDE SERVICE ENTRANCE CABLE.
D. INTERIOR TELEPHONE SYSTEM WILL BE FURNISHED BY OWNER'S VENDOR.
E. SPECIAL BACKBOXES WILL BE FURNISHED BY THE OWNER'S VENDOR.

PART 2 - PRODUCTS

2.01 MATERIALS

A. PROVIDE 4-11/16" SQUARE BOXES, WITH PLASTER RINGS. PROVIDE DEVICE PLATES FOR TELEPHONE OUTLETS TO MATCH THOSE SPECIFIED IN SECTION 16141. PROVIDE SEPARATE CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE FROM EACH OUTLET.
B. MINIMUM CONDUIT SIZE SHALL BE 3/4 ".
C. PROVIDE LIGHTNING ARRESTER FOR TELEPHONE SERVICE ENTRANCE AT MAIN TELEPHONE BACKBOARD IN ACCORDANCE WITH UL96A PARAGRAPH 11.2 AND NFPA 780.
D. CABLE SHALL BE IN CONDUIT WHERE INSTALLED IN WALLS OR ABOVE INACCESSIBLE CEILING SPACES.

PART 3 - EXECUTION

3.01 INSTALLATION

A. LEAVE ONE #10 EQUIVALENT NYLON PULL WIRE IN EACH TELEPHONE CONDUIT.
B. PROVIDE TRENCHING, BACKFILLING, ETC., FOR INSTALLATION OF SERVICE ENTRANCE CONDUIT IN ACCORDANCE WITH OTHER DIVISIONS, PLANS, AND TELEPHONE UTILITY REQUIREMENTS. PROVIDE PULL WIRE IN EMPTY CONDUIT.
C. COORDINATE WITH THE LOCAL UTILITY FOR POINT OF SERVICE AND TYPE OF SERVICE REQUIRED. PAY FOR ANY UTILITY COMPANY CHARGES AND FEES FOR ESTABLISHMENT OF SERVICE.
D. PROVIDE A COMPLETE RACEWAY SYSTEM IN ACCORDANCE WITH TELEPHONE UTILITY COMPANY AND INTERIOR SYSTEM VENDOR/UTILITY REQUIREMENTS. TELEPHONE UTILITY COMPANY AND INTERIOR SYSTEM VENDOR SHALL REVIEW THE DRAWINGS. CONTRACTOR SHALL PROVIDE FOR ANY ADDITIONAL OR VARYING REQUIREMENTS.
E. TERMINATE EACH CONDUIT STUB-UP OR TERMINATION WITH NYLON INSULATED BUSHINGS.
F. FINAL CONNECTIONS AND TESTING OF SYSTEM WILL BE PROVIDED BY THE SYSTEM VENDOR. CONTRACTOR SHALL CONTACT THE OWNER AND VENDOR AND SCHEDULE THE WORK.

SECTION 16751 - SPECIAL SYSTEMS

PART 1 - GENERAL

1.01 WORK INCLUDED

A. FURNISH AND INSTALL RACEWAY SYSTEM FOR MUSIC/COMMUNICATIONS SECURITY, CCTV, POINT OF SALES, AND OTHER OWNER- FURNISHED SYSTEMS, CONSISTING OF EMPTY CONDUITS, JUNCTION BOXES, OUTLET BOXES, AND DEVICE PLATES, ETC., AS SPECIFIED AND SHOWN ON OWNER SELECTED VENDOR WIRING SCHEMATICS. CABLE, EQUIPMENT, AND INSTALLATION OF THE INTERIOR SYSTEM WILL BE PROVIDED BY THE OWNER'S SYSTEM VENDOR.
B. INTERIOR SYSTEM EQUIPMENT WILL BE FURNISHED BY OWNER'S VENDOR.
C. INSTALL SPECIAL BACKBOXES FURNISHED BY THE ELECTRICAL CONTRACTOR.

PART 2 - PRODUCTS

2.01 MATERIALS

A. PROVIDE 4"-11/16" SQUARE BOXES, WITH PLASTER RINGS. PROVIDE DEVICE PLATES FOR SYSTEM OUTLETS AS SPECIFIED IN SECTION 16141. PROVIDE SEPARATE CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE FROM EACH OUTLET.
B. CABLE SHALL BE IN CONDUIT WHERE INSTALLED IN WALLS OR INACCESSIBLE CEILINGS.
C. MINIMUM CONDUIT SIZE SHALL BE 3/4 ".

PART 3 - EXECUTION

3.01 INSTALLATION

A. FURNISH AND INSTALL CONDUITS, JUNCTION BOXES, OUTLET BOXES, AND PLATES.
B. LEAVE ONE #10 EQUIVALENT NYLON PULL WIRE IN EACH SYSTEM CONDUIT.
C. PROVIDE A COMPLETE RACEWAY SYSTEM IN ACCORDANCE WITH INTERIOR SYSTEM VENDOR REQUIREMENTS. INTERIOR SYSTEM VENDOR SHALL REVIEW THE DRAWINGS. CONTRACTOR SHALL PROVIDE FOR ANY ADDITIONAL OR VARYING REQUIREMENTS.
D. FINAL CONNECTIONS AND TESTING OF SYSTEMS WILL BE PROVIDED BY THE SYSTEM VENDOR. CONTRACTOR SHALL CONTACT THE OWNER'S VENDOR AND SCHEDULE THE WORK SO AS TO COMPLETE SYSTEM INSTALLATION AND TESTING PRIOR TO OCCUPANCY OF THE FACILITY.
E. TERMINATE EACH CONDUIT STUB-UP OR TERMINATION WITH NYLON INSULATED BUSHING.

CLOSE OUT DOCUMENT REQUIREMENTS

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

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

FOR CONSTRUCTION
NOT FOR CONSTRUCTION
FOR CONSTRUCTION

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

Revisions:

Mark	Date	By
1	9/17/04	rsa
	COORD. REVISIONS	

Mark Date By

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INTERPLAN
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INTERIOR DESIGN
PROJECT MANAGEMENT

STORE
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DOLPHIN VILLAGE
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SHEET TITLE
ELECTRICAL SPECIFICATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : ____
Checked By: ____

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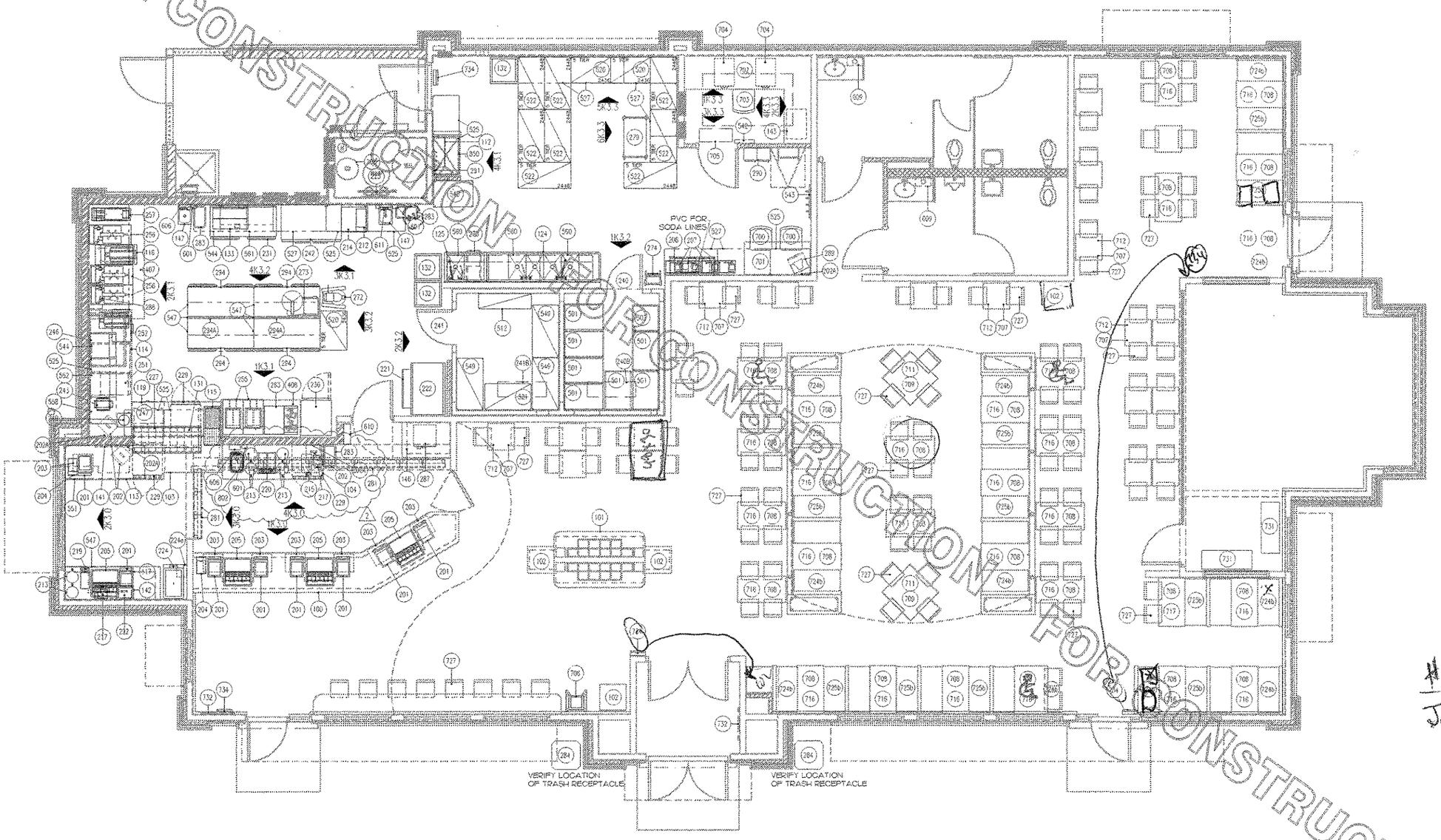

FOR CONSTRUCTION
PROPOSED CONSTRUCTION
NOT FOR CONSTRUCTION

Health Dept.
Jan Cummings
850-487-1395

1 EQUIPMENT PLAN LARGE BLDG.

1/4"=1'-0"

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

Revisions:

Mark	Date	By
1	9/24/04	TDG
	DBPR COMMENTS	

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CAMACHO ASSOCIATES, INC.
FOOD FACILITIES DESIGNERS/CONSULTANTS
ATLANTA, GEORGIA (770) 582-1144

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
EQUIPMENT
PLAN

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : JPL
Checked By :

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ITEM NO.	QUANTITY	DESCRIPTION OF EQUIPMENT	MANUFACTURER	MECHANICAL													ITEM NO.	REMARKS (ALL ITEMS BY CFA UNLESS OTHERWISE NOTED)
				ELECTRICAL						PLUMBING								
				VOLT	PH	KW	AMP	HP	NEMA RATING	FW	HW	CW	DW	IW	FD	ROUGH-IN		
100	1	SERVING COUNTER	CLAYTON FIXTURE														100	
101	1	CONDIMENT COUNTER	CLAYTON FIXTURE														101	
102	5	TRASH CONTAINER	CLAYTON FIXTURE														102	
103	1	ORDER PREP TABLE	CLAYTON FIXTURE														103	
104	1	BACK BAR CABINET	CLAYTON FIXTURE														104	
112	1	LARGE UTILITY CABINET	CLAYTON FIXTURE														112	
113	1	DRIVE-THRU CASH TABLE	CLAYTON FIXTURE														113	
114	1	SANDWICH PREP TABLE	CLAYTON FIXTURE	120	1		6.5		NEMA 5-20R								114	
115	1	FRY HOLDING STATION	BKI MODEL #FW-15BB	120	1	1.9	15.4		NEMA 5-20R								115	ON ITEM #103
116	1	18" CART W/ HEAT LAMPS	MARSHALL AIR, CZ3A	120	1		9.7		NEMA 5-20R								116	36" CORD & PLUG
116a		BUILT-IN HEAT LAMP	MARSHALL AIR, CZ3	120	1		9.7		NEMA 5-20R								116a	36" CORD & PLUG
117	1	DRIVE-THRU COUNTER	CLAYTON FIXTURE														117	
119		REFRIGERATED DISPLAY CASE STAND	CLAYTON FIXTURE														119	
124	1	4 COMPARTMENT UTENSIL SINK	EAGLE GROUP MODEL #N-2464-4-18-14/3								(2)1/2	(2)1/2		1-1/2		P-9 @ 12" A.F.F.	124	WITH (2) 18" DRAIN BOARDS
125	1	VEGETABLE PREP SINK	EAGLE GROUP MODEL #N2416-1-18L-14/3							1/2"	1/2"	1/2"		1-1/2		P-8 @ 12" A.F.F.	125	WITH SIDE SPLASHES AND LEFT DRAIN BOARD
131	1	SANDWICH SLIDE	MERCO MODEL #SW-6224	120/208	1	2.26	12.1		NEMA L14-20R								131	6' CORD & PLUG
132	3	BREAD RACK															132	
133	1	WRAP SALAD SHELF	CUSTOM ST. STL. FABRICATION														133	
141	1	CONDIMENT RACK	CUSTOM ST. STL. FABRICATION														141	
142	1	DRIVE-THRU SHELF	CLAYTON FIXTURE														142	
143	1	SECURITY CABINET	CLAYTON FIXTURE														143	
146	1	SAFE CABINET	CLAYTON FIXTURE														146	
147	2	HAND SINK	EAGLE MODEL #HSA-10-N														147	WITH SIDE MOUNTING BRACKETS AND T & S MODEL #B-115-LN MOD W/ 132 X WH4
200		CREDIT CARD MACHINE (FUTURE)	PAR	120	1												200	
201	8	ORDER REGISTER	PAR	120	1		0.7		NEMA 5-20R								201	
202	3	ORDER MONITOR	PAR	120	1		0.5		NEMA 5-20R								202	MOUNTED ON ITEM #202A
202A	4	WALL MOUNTED PENDANT	CUSTOM ST. STL. FABRICATION														202A	1 EACH AT POS MONITORS AND 1 AT BREAK TABLE
203	7	CASH DRAWER	PAR														203	
204	2	RECEIPT PRINTER	PAR	120	1		0.1		NEMA 5-20R								204	
205	4	ICE BIN / DRINK TOWER	IMI CORNELIUS MODEL #2323	120	1		1.5		NEMA 5-20R								205	
206	1	BEVERAGE RACK SYSTEM	PROFITMASTER MODEL #BIB-3 PLUS														206	
207	4	CARBONATOR	IMI CORNELIUS	120	1		7.2		NEMA 5-20R	1/2"						P-23 @ 107" A.F.F.	207	
208	1	CO2 TANK	CARBO MIZER														208	
212	1	TEA BREWER	WILBUR CURTIS MODEL #TCTD-35-10	120	1	1.675	14.0		NEMA 5-20R	3/8"						P-24 @ 49" A.F.F.	212	QUICK DISCONNECT HOSES PROVIDED BY OWNER
213	6	TEA DISPENSER	WILBUR CURTIS MODEL #TC-5HV														213	
214	1	TIER OF DRAWERS	EAGLE GROUP MODEL #Y-TD3L-CF														214	
215	1	SINGLE COFFEE MAKER	WILBUR CURTIS MODEL GEMINI 120A	120	1	1.775	14.8		NEMA 5-20R	1/2"						P-24 @ 48" A.F.F.	215	QUICK DISCONNECT HOSES PROVIDED BY OWNER
217	2	COFFEE WARMER & STAND	WILBUR CURTIS MODEL GEMINI 30 & 8C	120			.83		NEMA 5-20R								217	1 - REGULAR / 1 - DECAF
219	1	SINGLE JUICE DISPENSER	STARLINE MODEL #042101	120	1		1.7		NEMA 5-20R								219	
220	1	DOUBLE JUICE DISPENSER	STARLINE MODEL #042102	120			4.0		NEMA 5-20R								220	
221	1	ICE BIN	FOLLET MODEL #SG1300S-48											1"			221	
222	1	ICE MAKER	HOSHIZAKI MODEL #KM2400SRB3	208	3		16.8		DIRECT CONNECTION		1/2"			3/4"		P-23 @ 80" A.F.F.	222	
223	1	WATER FILTER SYSTEM	SELECTO SCIENTIFIC, #MF620-2F							3/4"		3/4"				SEE DET. 6/P7	223	SUPPLIED WITH CHLORINE FILTER
224	1	ICE CREAM MACHINE	TAYLOR MODEL #751 (AIR COOLED)	208	3		17.0	1/2	NEMA 5-30R								224	
224a	1	ICE CREAM CONE DISPENSER	TAYLOR														224a	
227	1	REFRIGERATED DISPLAY CASE	RANDELL MODEL #40048-AMCF	120	1		8.0	1/3	NEMA 5-20R								227	ON ITEM #119
229	3	SGL. UNDERCOUNTER REFRIGERATOR	TRAULSEN MODEL #UHT27-ZCF	120	1		3.3		NEMA 5-20R								229	(1) HINGE LEFT; (2) HINGE RIGHT
231	1	BREADING TABLE	TRAULSEN MODEL #UHT60-ZCF-LR	120	1		5.7		NEMA 5-20R								231	
236	1	SGL. SECTION REACH-IN FREEZER	HOSHIZAKI MODEL #FH1-SSB	120	1		10.4	1/2	NEMA 5-20R								236	HINGE LEFT
240	1	WALK-IN FREEZER	KOLPAK	120	1		3.3		DIRECT CONNECTION								240	
240A	1	WALK-IN FREEZER CONDENSER	KOLPAK	208	3		9.4		DIRECT CONNECTION								240A	G.C. SHALL INSTALL CONDENSER ON ROOF
240B	1	WALK-IN FREEZER EVAPORATOR	KOLPAK	208	1		10.9		DIRECT CONNECTION								240B	
241	1	WALK-IN COOLER	KOLPAK	120	1		2.4		DIRECT CONNECTION								241	
241A	1	WALK-IN COOLER CONDENSER	KOLPAK	208	1		7.2		DIRECT CONNECTION								241A	G.C. SHALL INSTALL CONDENSER ON ROOF
241B	1	WALK-IN COOLER EVAPORATOR	KOLPAK	120	1		2.1		DIRECT CONNECTION								241B	
242	1	THAWING CABINET	TRAULSEN MODEL #RE232N-1	120	1		5.8		NEMA 5-20R								242	HINGED STANDARD
243	1	SANDWICH TOASTER	TOASTMASTER MODEL#A7-10S	120	1	1.65	6.0		NEMA 5-20R								243	SUPPLIED WITH 3' CORD AND PLUG
246	1	BUN WARMER	MARSHALL AIR MODEL #HT18	208	1		16		NEMA 6-20R								246	SUPPLIED WITH 3' CORD AND PLUG WITH RECESSED CORD RELIEF
247	1	DOUBLE WARMING DRAWER	TOASTMASTER MODEL #3B80A	120	1	1.00	8.7		NEMA 5-20R								247	
249	1	SINGLE FOOD WARMER	WELLS MODEL #HW-10	120	1	1.65	13.8		NEMA 5-20R								249	
251	1	BISCUIT HOLDING CABINET	WINSTON MODEL #HA4003 CVAP	120	1	2.05	17.1		NEMA 5-20R								251	
252	1	HOLDING CABINET	HENNY PENNY MODEL #CF-941	120	1	.475	4.0		NEMA 5-20R								252	
255	2	OPEN FRYER	HENNY PENNY MODEL #OFE-321.02	208	3	14.4	61		PIN & SLEEVE								255	
256	3	PRESSURE FRYER	HENNY PENNY MODEL #PFE-500	208	3	13.5	38.0		NEMA 15-50R								256	
257	1	CHAR-GRILL COOKER WITH STAND	TAYLOR MODEL #QS11	208	3	9.6	27.0		NEMA L15-50R								257	
263	1	RANGE/CONVECTION OVEN	LANG MODEL #SCR30SG-ACF	208	3		47.8		NEMA 15-60R								263	
272	1	FLOOR MIXER	HOBART MODEL #A200	120	1		9.8	1/2	NEMA 5-20R								272	
273	1	FOOD CUTTER	HOBART MODEL #84186	120	1		16.0	1.0	NEMA 5-20R								273	
274	1	FAT VAT	PITCO FRIALATOR MODEL FAT VAT														274	
278	1	INGREDIENT BIN	RUBBERMAID														278	
279	1	MOBILE CART	INTERMETRO MODEL #MW206														279	
281	13	SMALL MENU BOX	EXPOTRANS	120	1		.55		NEMA 5-20R								281	
282	2	SIGN STANDS	LAWRANCE METAL														282	NOT SHOWN ON DRAWING
283	3	SLIM JIM TRASH CAN	RUBBERMAID														283	
284	2	OUTDOOR TRASH RECEPTACLE	WAUSAU TILE MODEL #TF1100WCC-PDTL														284	LOCATED OUTSIDE STORE
286	1	ANSUL FIRE SUPPRESSION SYSTEM	HALTON HOODS														286	AT HOOD SHROUD
287	1	SAFE	CORPORATE SAFE MODEL #BR2926														287	
288		UNIFORM CABINET	BY OPERATOR														288	MOUNTED ON ITEM #202A
289	1	TV/VCR	TOSHIBA MODEL #MD-13M1	120	1	.069											289	
290	1	LOCKERS	WINHOLT MODEL #WL-612														290	2 TIERS, 12 OPENINGS
291	1	MOP RACK															291	FURNISHED BY OWNER
292	1	DRIVE-THRU VIDEO MONITOR	PANASONIC	120	1		0.8		NEMA 5-20R								292	FURNISHED BY OWNER
293	1	PRESSURE WASHER	NORTH STAR MODEL #1578181														293	LOCATED AT REFUSE ENCLOSURE
294	4	REFRIGERATED WORK TABLE	TRAULSEN MODEL #UHT60-ZCF-LR	120	1		5.7		NEMA 5-20R								294	
294A	2	BACKSPLASH	CUSTOM ST. STL. FABRICATION (60-1/4"x4-1/2"x3" HIGH)														294a	

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

Revisions:

Mark	Date	By

Seal

CAMACHO ASSOCIATES, INC.
FOOD FACILITIES DESIGNERS/CONSULTANTS
ATLANTA, GEORGIA (770) 662-1144

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
EQUIPMENT
SCHEDULE

DWG EDITION: 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : JPL
Checked By: _____

Sheet
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ITEM NO.	QUANTITY	DESCRIPTION OF EQUIPMENT	MANUFACTURER	MECHANICAL													ITEM NO.	REMARKS (ALL ITEMS BY CFA UNLESS OTHERWISE NOTED)
				ELECTRICAL						PLUMBING								
				VOLT	PH	KW	AMP	HP	NEMA RATING	FW	HW	CW	DW	IW	FD	ROUGH-IN		
407	1	105" VENT HOOD	HALTON HOODS														407	HOOD SHROUD BY VENT HOOD MANUFACTURER
408	1	72" VENT HOOD	HALTON HOODS														408	HOOD SHROUD BY VENT HOOD MANUFACTURER
501	7	DUNNAGE RACK (24"x36")	INTERMETRO														501	METROSEAL
503	1	DUNNAGE RACK (24"x24")	INTERMETRO														503	METROSEAL
512	1	FLOOR SHELF UNIT (7' POST, 14"x48")	INTERMETRO														512	METROSEAL - 5 SHELVES EACH
520	3	FLOOR SHELF UNIT (8' POST, 24"x36")	INTERMETRO														520	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF
522	8	FLOOR SHELF UNIT (8' POST, 24"x48")	INTERMETRO														522	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF
525	11	POST MOUNTED SHELF (24"x36")	INTERMETRO														525	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
527	8	POST MOUNTED SHELF (24"x48")	INTERMETRO														527	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	3	POST MOUNTED SHELF (24"x24")	INTERMETRO														544	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
547	7	OVERHEAD SHELF UNIT (30"x60")	INTERMETRO														547	METROSEAL - SEE STRUCTURAL SHEETS FOR INSTALLATION INFORMATION
548	1	JUICER WORK STATION	INTERMETRO														548	WITH SOLID WORK SURFACE AND 24" LEGS
549	3	FLOOR SHELF UNIT (7' POST, 24"x48")	INTERMETRO														549	METROSEAL - 3 SHELVES ABOVE DUNNAGE SHELF, 1 SHELF BELOW DUNNAGE SHELF
551	1	OVERHEAD SHELF UNIT (36"x72")	INTERMETRO														551	METROSEAL
552	1	POST MOUNTED SHELF (18"x36")	INTERMETRO														552	SOLID - USE DOUBLE SUPPORTS AND ENDS
558	2	POST MOUNTED SHELF (24"x30")	INTERMETRO														558	METROSEAL - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
560	3	SMART WALL KIT	INTERMETRO (CFA - 3BAY48/48/36)														560	24"x48" & 18"x48" (SMART WALL) - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
561	1	POST MOUNTED SHELF	INTERMETRO (CFA-BT)														561	24"x24" & 18"x24" (METROSEAL) - SEE INTERIOR ELEVATIONS FOR POSTS AND SUPPORTS
601	3	SOAP DISPENSER															601	FURNISHED BY OWNER
606	2	PAPER TOWEL DISPENSER	ASI MODEL #0210														606	
609	2	TRASH RECEPTACLE	RUBBERMAID														609	
610	1	UTILITY SHELF	ASI MODEL #0692 - 6"x18"														610	
611	1	MULTI-PURPOSE UNIT	ASI MODEL #0440SM														611	
700	2	EMPLOYEE BREAK CHAIR	HON														700	
701	1	EMPLOYEE BREAK TABLE	CLAYTON FIXTURES														701	60"x30" WITH 3" BACKSPLASH; WALL MOUNTED WITH TWO SUPPORT LEGS
702	1	DESK TOP	CLAYTON FIXTURES														702	
703	1	DESK CHAIR	HON														703	
704	2	FILE CABINET	HON														704	2-DRAWER
705	1	B.O.G. CABINET	CLAYTON FIXTURES														705	
706	6	HIGH CHAIR	RUBBERMAID														706	
707	19	TABLE BASE	FALCON														707	3" COLUMN WITH 3 FEET
708	58	TABLE BASE	FALCON														708	3" COLUMN WITH 2 FEET
709	2	TABLE BASE	FALCON														709	4" COLUMN WITH 3 FEET
711	2	36"x36" TABLE	FALCON														711	REQUIRES (1) #709
712	19	22"x24" TABLE	FALCON														712	REQUIRES (1) #707
714		36" ROUND TABLE	FALCON														714	REQUIRES (1) #709
716	28	24"x44" TABLE	FALCON														716	REQUIRES (2) #708
717	1	30"x44" TABLE	FALCON														717	REQUIRES (2) #708
724a		24" SINGLE BOOTH SEAT	FALCON														724a	
724b	11	45" SINGLE BOOTH SEAT	FALCON														724b	
725a		24" DOUBLE BOOTH SEAT	FALCON														725a	
725b	11	45" DOUBLE BOOTH SEAT	FALCON														725b	
727	104	CHAIR	FALCON														727	
731	2	SNEAKER KEEPER BENCH	CLAYTON FIXTURES														731	48" LONG
732	2	COMMUNITY BULLETIN BOARD															732	
733	3	ST. STL. LID AND CUP DISPENSER															733	NOT SHOWN ON DRAWING
734	4	FLY SYSTEM	DRACKETT	120	1		0.65		NEMA 5-15R								734	
735	1	FLOOR SHELF UNIT (6' POST)	INTERMETRO (METROSEAL) 24"x36"														735	LOCATED IN DUMPSTER STORAGE ROOM, 3 SHELVES AND BOTTOM DUNNAGE SHELF
736	2	FLOOR SHELF UNIT (6' POST)	INTERMETRO (METROSEAL) 24"x48"														736	LOCATED IN DUMPSTER STORAGE ROOM, 3 SHELVES AND BOTTOM DUNNAGE SHELF
802	1	SINK AT BACK COUNTER	EAGLE GROUP MODEL #SR10-14-9.5-1							1/2"	1/2"		-1/2"				802	T & S FAUCET WITH WRIST BLADE HANDLES MDL. #B-2389
850	1	MOP SINK	CUSTOM ST. STL. FABRICATION							1/2"	1/2"		3"				850	24"x36" - WALL @ (2) SIDES / STAINLESS STEEL WALL PANEL TO 60" AFF

FOR CONSTRUCTION
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Chick-fil-A
5200 Buffington Rd.
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ATLANTA, GEORGIA (770) 662-1144

STORE
SERIES
FSU 03-A

DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
EQUIPMENT
SCHEDULE

DWG EDITION 03.8

Job No : 2004.0255
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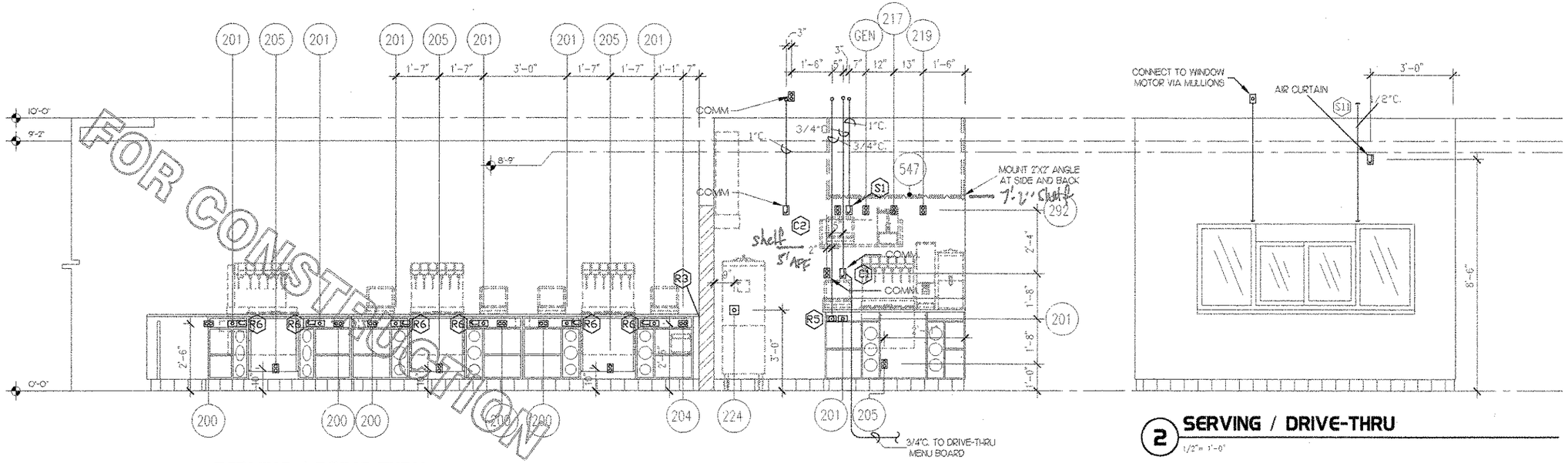
Sheet
K2.1

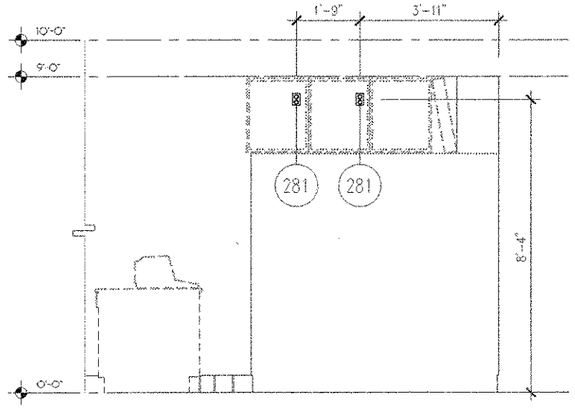


1 SERVING / DRIVE-THRU

1/2"= 1'-0"

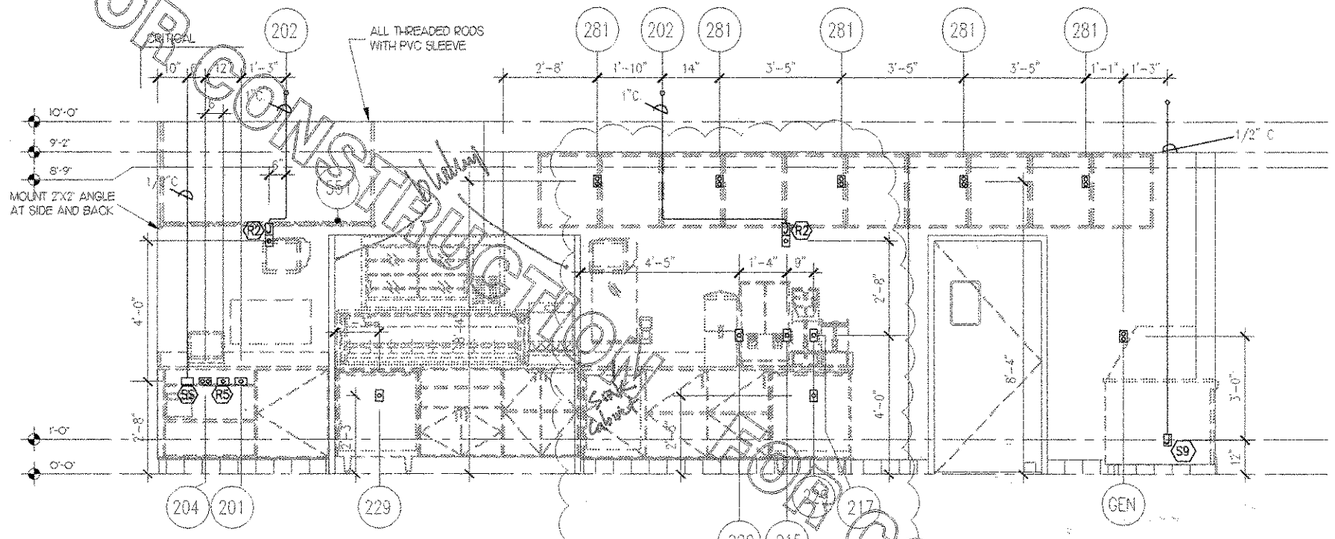
2 SERVING / DRIVE-THRU

1/2"= 1'-0"



3 SERVING / DRIVE-THRU

1/2"=1'-0"



4 SERVING / DRIVE-THRU

1/2"=1'-0"

ELEVATION LEGEND

- (201) EQUIPMENT NUMBER
- (M2) INDICATES NOTE ON SHEET E2
- J — JUNCTION BOX
- D — SIMPLEX RECEPTACLE
- D — DUPLEX RECEPTACLE
- D — SWITCH
- P — PHONE
- D — TERMINATION OF PVC CONDUIT FOR RADIANT POS SYSTEM
- DD — DOUBLE DUPLEX RECEPTACLE
- D — SMOKE DETECTOR LED (2 GANG BOX)
- SK — SECURITY KEYPAD

FOR CONSTRUCTION
FOR CONSTRUCTION
FOR CONSTRUCTION

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STORE
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DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
ELECTRICAL
ELEVATIONS

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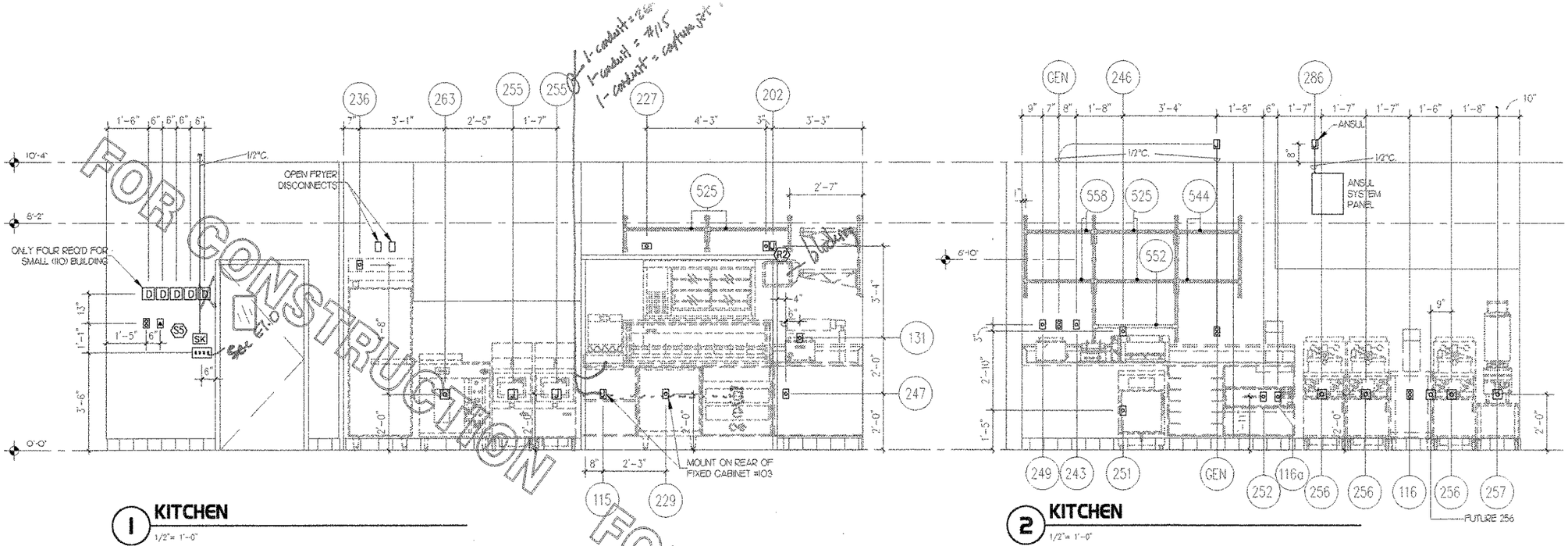
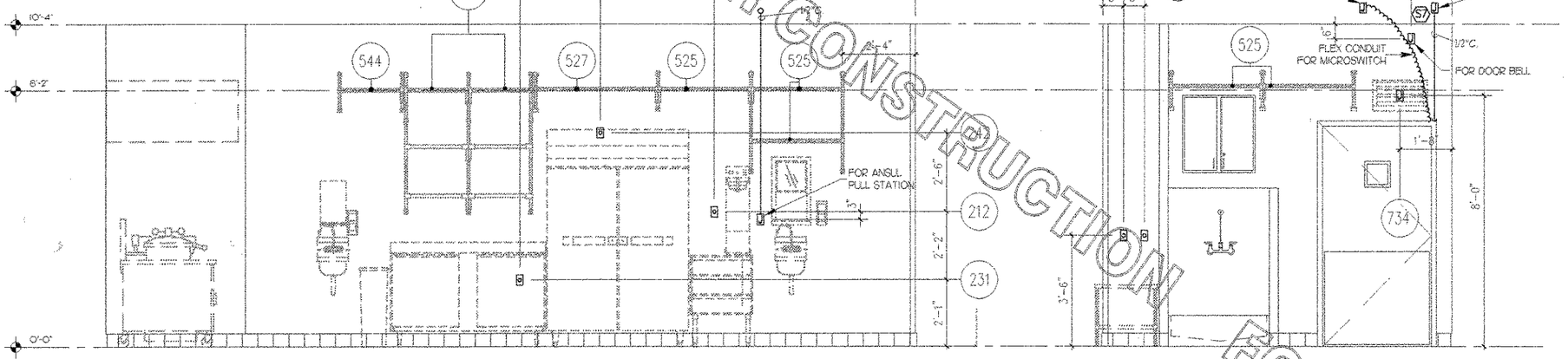


1 KITCHEN
1/2"= 1'-0"

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



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

4 MOP SINK
1/2"= 1'-0"

ELEVATION LEGEND

- 201 — EQUIPMENT NUMBER
- M2 — INDICATES NOTE ON SHEET E2
- J — JUNCTION BOX
- S — SIMPLEX RECEPTACLE
- D — DUPLEX RECEPTACLE
- P — PHONE
- T — TERMINATION OF PVC CONDUIT FOR RADIANT FOS SYSTEM
- DD — DOUBLE DUPLEX RECEPTACLE
- D — SMOKE DETECTOR (ED-2/GANG BOX)
- SK — SECURITY KEYPAD

FOR CONSTRUCTION
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ATLANTA, GEORGIA (770) 662-1144

STORE
SERIES
FSU 03-A

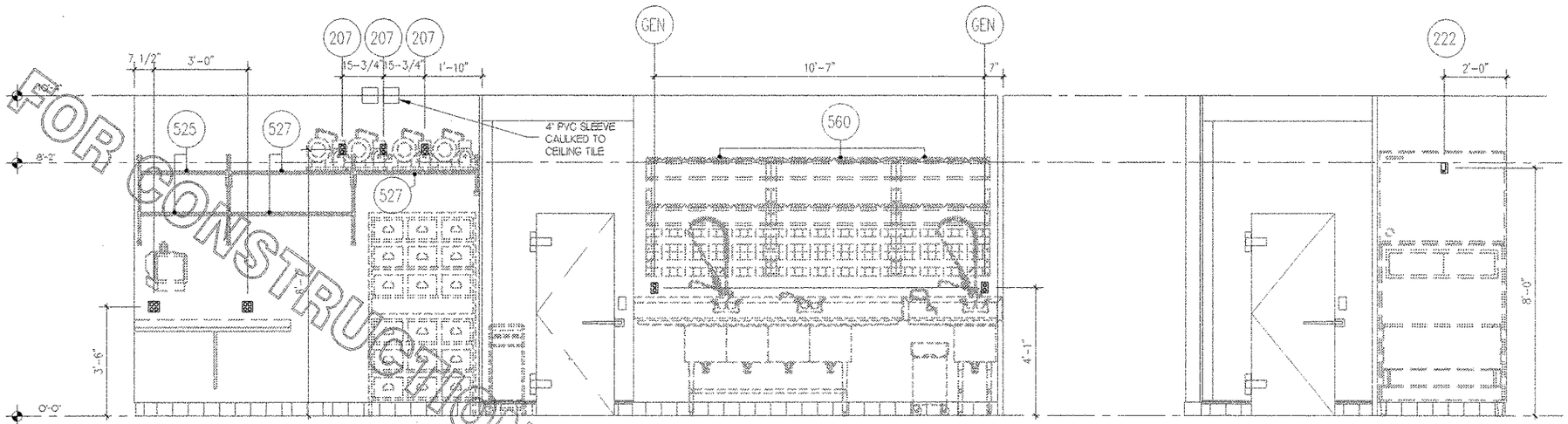
DOLPHIN VILLAGE
4623 GULF BLVD.
ST. PETE BEACH, FL

SHEET TITLE
ELECTRICAL
ELEVATIONS

DWG EDITION 03.8

Job No. : 2004.0255
Store : 1740
Date : 8/30/04
Drawn By : JPL
Checked By: ____

Sheet
K3.1

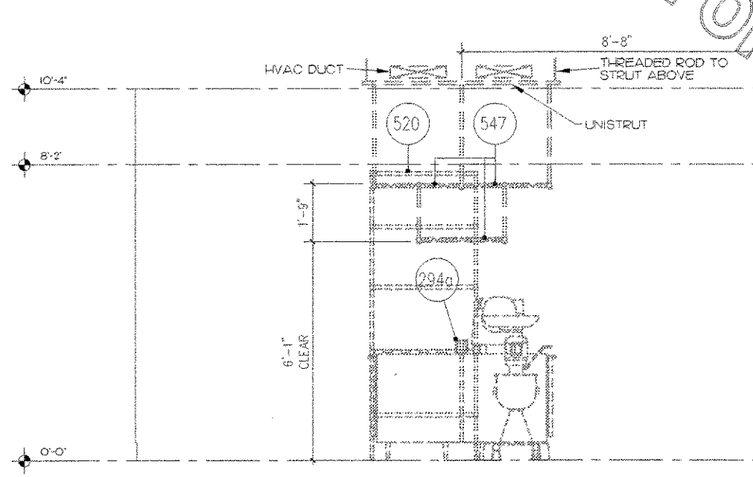


1 KITCHEN / EMPLOYEE

1/2"= 1'-0"

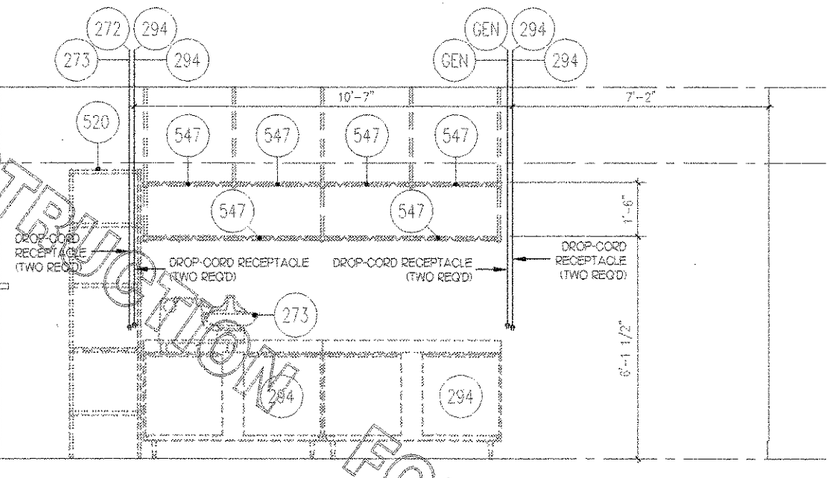
2 KITCHEN

1/2"= 1'-0"



3 KITCHEN

1/2"= 1'-0"



4 KITCHEN

1/2"= 1'-0"

ELEVATION LEGEND

- (XX) — EQUIPMENT NUMBER
- (MZ) — INDICATES NOTE ON SHEET E2
- (J) — JUNCTION BOX
- (S) — SIMPLEX RECEPTACLE
- (D) — DUPLEX RECEPTACLE
- (S) — SWITCH
- (P) — PHONE
- (T) — TERMINATION OF PVC CONDUIT FOR RADIANT POS SYSTEM
- (DD) — DOUBLE DUPLEX RECEPTACLE
- (D) — SMOKE DETECTOR LED (2 GANG BOX)
- (SK) — SECURITY KEYPAD

FOR CONSTRUCTION
FOR CONSTRUCTION
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FOR CONSTRUCTION

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

Revisions:

Mark	Date	By

Seal

CAMACHO ASSOCIATES, INC.
FOOD FACILITIES DESIGNERS/CONSULTANTS
ATLANTA, GEORGIA (770) 582-1144

STORE
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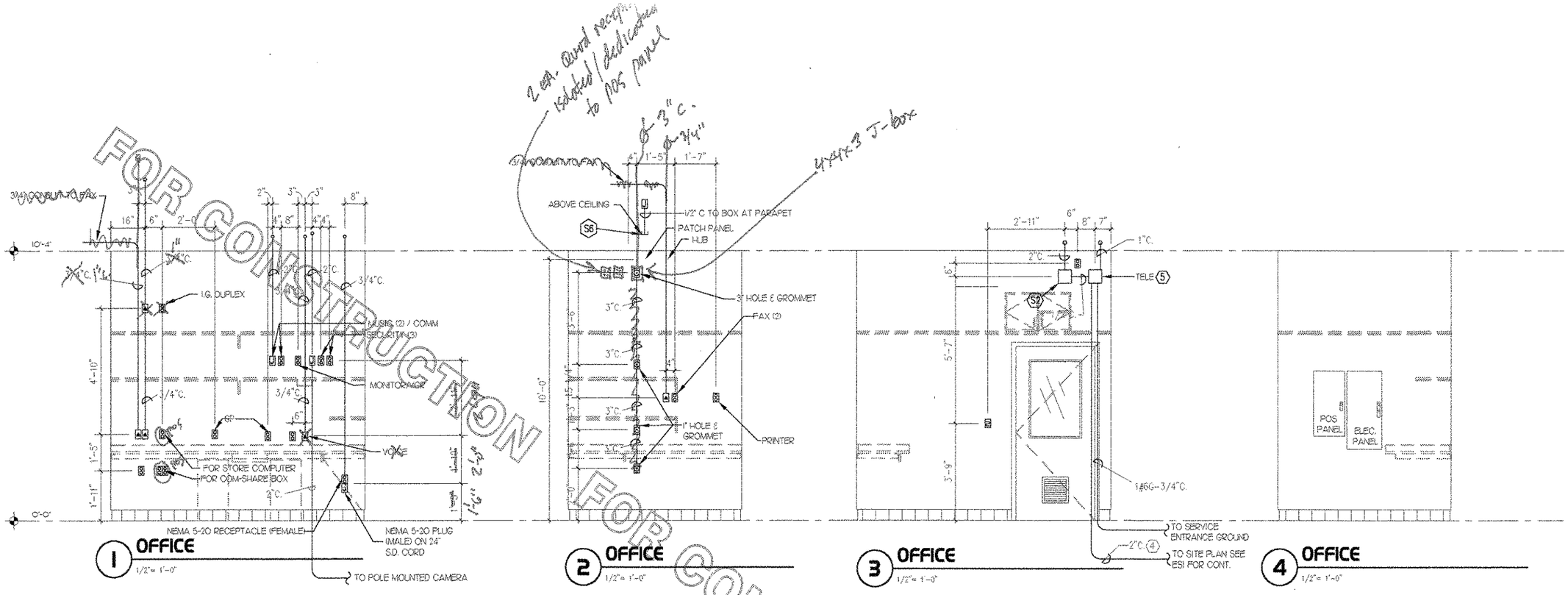
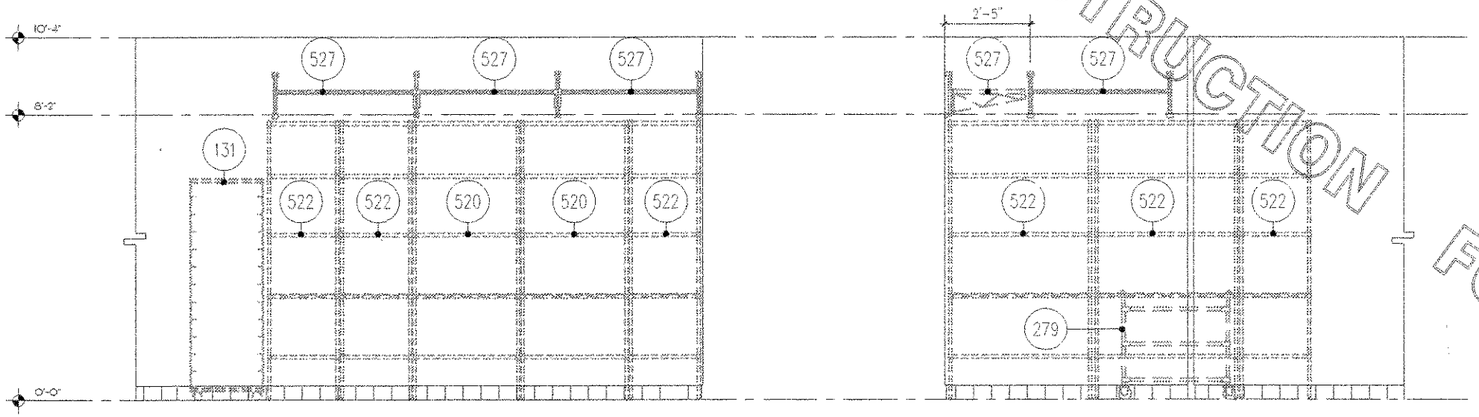
K3.2





ELEVATION LEGEND

- (201) EQUIPMENT NUMBER
- (N2) INDICATES NOTE ON SHEET E2
- JUNCTION BOX
- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- SWITCH
- PHONE
- TERMINATION OF PVC CONDUIT FOR RADIANT POS SYSTEM
- DOUBLE DUPLEX RECEPTACLE
- SMOKE DETECTOR LED (2 GANG BOX)
- SECURITY KEYPAD

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30349-2998

Revisions:

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FOOD FACILITIES DESIGNERS/CONSULTANTS
ATLANTA, GEORGIA (770) 662-1144

STORE
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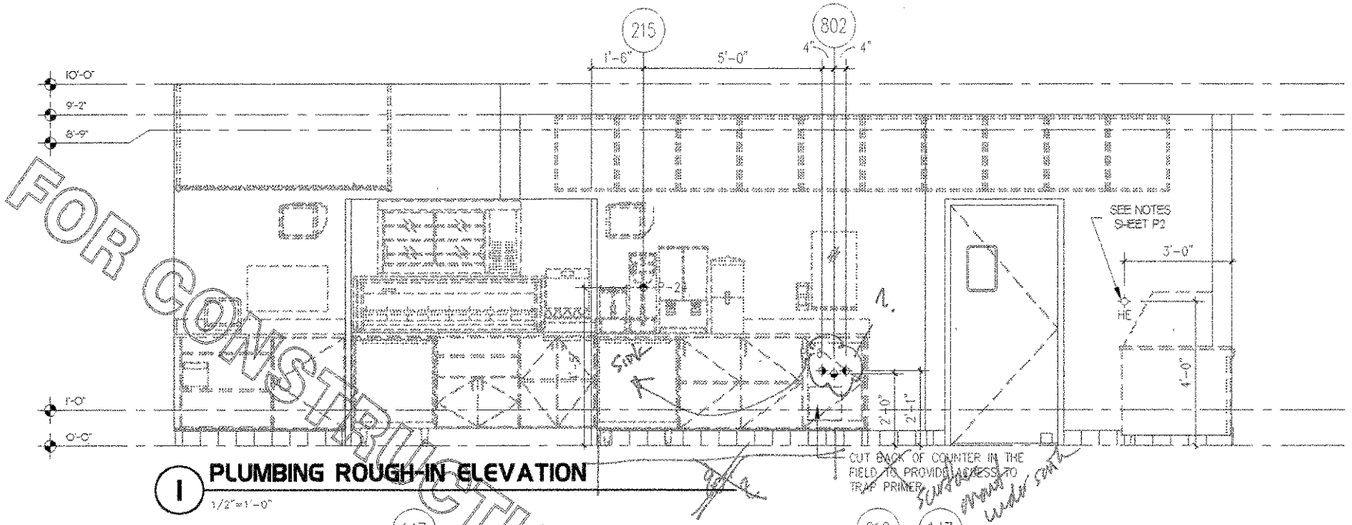
K3.3

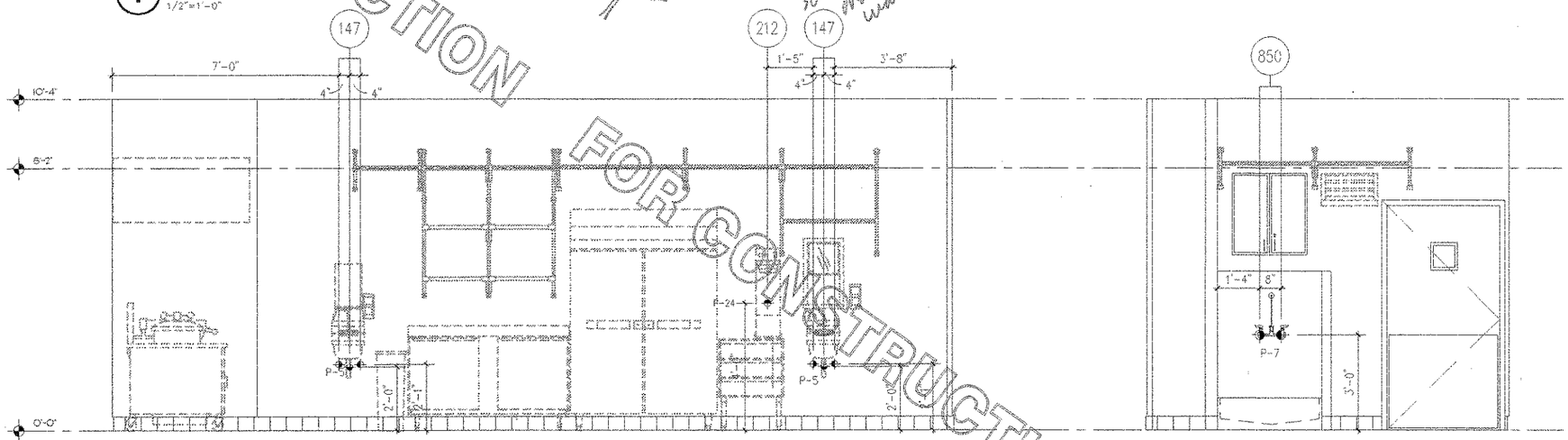


1 PLUMBING ROUGH-IN ELEVATION

1/2"=1'-0"

LEGEND

201	EQUIPMENT NUMBER
	HOT WATER 1/2"
	COLD WATER 1/2"
	FILTERED WATER 1/2"
	SAN 1-1/2"

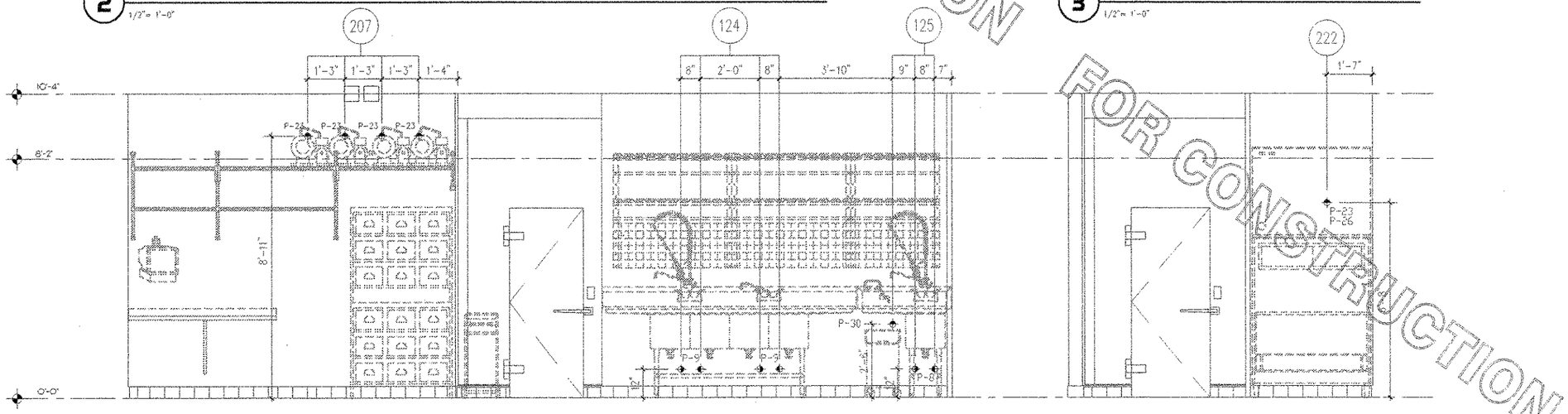


2 PLUMBING ROUGH-IN ELEVATION

1/2"= 1'-0"

3 PLUMBING ROUGH-IN ELEVATION

1/2"= 1'-0"



4 PLUMBING ROUGH-IN ELEVATION

1/2"= 1'-0"

5 PLUMBING ROUGH-IN ELEVATION

1/2"= 1'-0"

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30349-2998

Revisions:

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FOOD FACILITIES ARCHITECTS/CONSULTANTS
ATLANTA, GEORGIA (770) 582-1144

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Sheet
K4.0