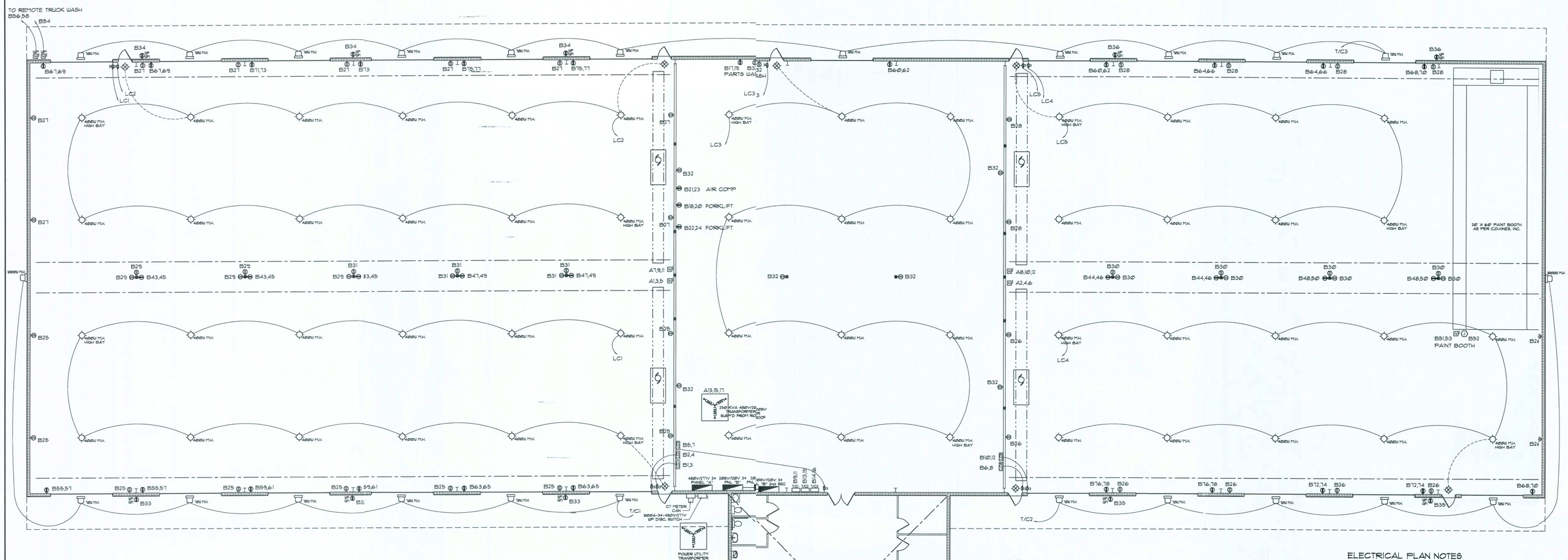
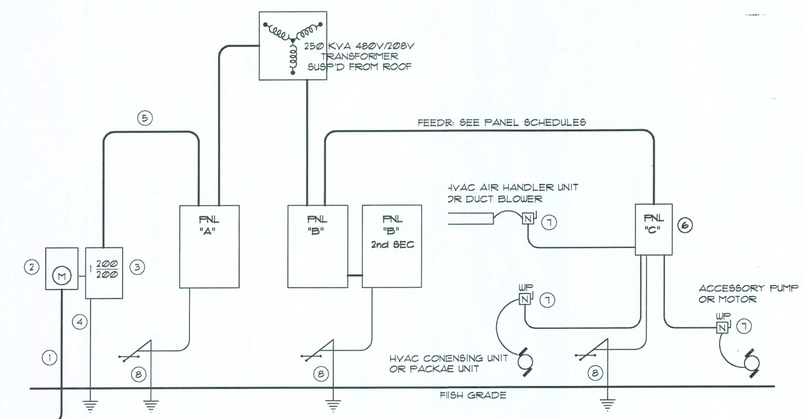


NOTE:
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

ELECTRICAL PLAN

SCALE: 3/32" = 1'-0"



ELECTRICAL RISER DIAGRAM: 300A 480V/277V - 3Φ

SCALE: NONE

1. Service/Feeder Entrance Conductors: 2½" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
2. Meter Enclosure, weatherproof, UL. Listed.
3. Main Disconnect Switch: fused or Main BRKR, weatherproof, UL. Listed.
4. Service entrance Ground: ⅝" ∅ iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5, below.
5. 200 AMPERSERVICE:
   3 350MCM - THW - Cu, 1 # 300 - THW - Cu - Neut.
   1 4 - Cu - GND, 3" C.
6. Panel (PNL), L Lised, sized per schedule.
7. Equipment Disconnect Switch: non-fused, in weatherproof enclosure, sizeccording to Panel Schedule loads.
8. Provide Grout Bond Wire to metal piping, size in accordance with the Servis Ground Conductor.

NOTE:
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECTSWITCHES SHALL BE 22,000 AIC.

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL RECEPTICALS IN RESTROOMS, SERVING AREAS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFIC).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDNS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386/755-9021

NORTH FLORIDA TRUCK PARTS
ELECTRICAL PLAN
COLUMBIA COUNTY, FLORIDA

DATE:	DRAWN:	REVISION:	SHEET:
08JAN2K7	rpg		E.1
COMM: 2K702			1 OF 2

23 Feb 2007
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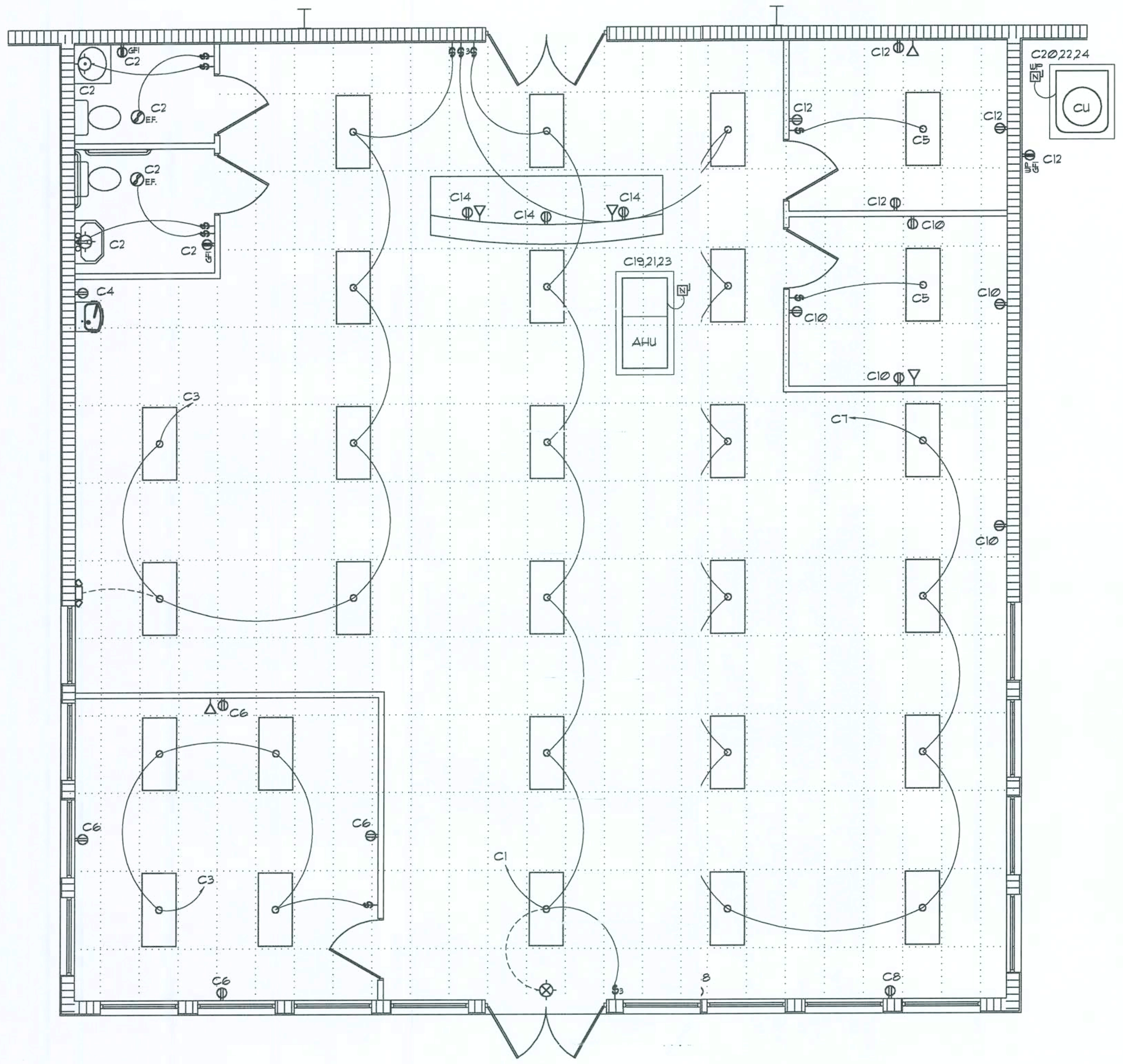

ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

PNL "A": 400A - MLO - 480/277V - 3Φ - 5W, 10K A.I.C. - FLUSH - 24 SLOT

CIR Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR Nr.
1	TRAVELING CRANE	30A/3P	10TW	2.22	4.44			2.22	10TW	30A/3P	TRAVELING CRANE	2
3	"	-	"	2.22		4.44		2.22	"	-	"	4
5	"	-	"	2.22			4.44	2.22	"	-	"	6
7	TRAVELING CRANE	30A/3P	10TW	2.22	4.44			2.22	10TW	30A/3P	TRAVELING CRANE	8
9	"	-	"	2.22		4.44		2.22	"	-	"	10
11	"	-	"	2.22			4.44	2.22	"	-	"	12
13	250 KVA TRANSF.	300A/3P	350MCM	66.67	66.67			0.00	-	-	SPACE	14
15	"	-	"	66.67		66.67		0.00	-	-	"	16
17	"	-	"	66.67			66.67	0.00	-	-	"	18
19	SPARE	-	-	2.25	4.50			2.25	-	-	SPARE	20
21	"	-	-	2.25		4.50		2.25	-	-	"	22
23	"	-	-	2.25			4.50	2.25	-	-	"	24
					80.05	80.05	80.05					

ΦA 80.05KW / 277 V = 289.0 AMPERES
ΦB 80.05KW / 277 V = 289.0 AMPERES
ΦC 80.05KW / 277 V = 289.0 AMPERES
FEEDER SIZE: 3 # 350MCM - THW - Cu, 1 # 300 - - THW - Cu - Neut.
1 # 4 - Cu - GND, 3" C.

PNL "B": 400A - MLO - 120/208V - 3Φ - 5W, 10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR Nr.
1	M H LTG	30A/2P	10TW	2.40	4.80			2.40	10TW	30A/2P	M H LTG	2
3	"	"	"	2.40		4.80		2.40	"	"	"	4
5	"	"	"	2.40			4.80	2.00	"	"	"	6
7	"	"	"	2.40	4.40			2.00	"	"	"	8
9	TC1	20A/2P	12TW	0.74		2.34		1.60	"	"	"	10
11	"	"	"	0.74			2.34	1.60	"	"	"	12
13	TC2	"	"	0.68	1.07			0.39	12TW	20A/2P	TC3	14
15	"	"	"	0.68		1.07		0.39	"	"	"	16
17	PARTS WASHER	60A/2P	6TW	2.88			5.76	2.88	6TW	60A/2P	FORK LIFT	18
19	"	-	"	2.88	5.76			2.88	"	-	"	20
21	AIR COMP	60A/2P	"	2.88		5.76		2.88	"	60A/2P	FORK LIFT	22
23	"	-	"	2.88			5.76	2.88	"	-	"	24
25	G P RECEPT	20A/1P	12TW	0.90	1.80			0.90	12TW	20A/1P	G P RECEPT	26
27	"	"	"	0.90		1.80		0.90	"	"	"	28
29	"	"	"	0.90			1.80	0.90	"	"	"	30
31	"	"	"	0.90	1.80			0.90	"	"	"	32
33	GFI RECEPT	"	"	0.54		1.08		0.54	"	"	GFI RECEPT	34
35	"	"	"	0.54			1.08	0.54	"	"	"	36
37	PANEL "B", 2nd SEC	200A/3P	3/0 THW	14.46	21.90			7.44	3 THW	100A/3P	PANEL "C"	38
39	"	"	"	17.46		25.72		8.26	"	"	"	40
41	"	"	"	15.36			22.34	6.98	"	"	"	42
					41.53	42.57	43.88					

ΦA 41.53KW / 120 V = 346.1 AMPERES
ΦB 42.57KW / 120 V = 354.8 AMPERES
ΦC 43.88KW / 120 V = 365.7 AMPERES
FEEDER SIZE: 3 # 600MCM - THW - Cu, 1 # 500MCM - THW - Cu - Neut.
1 # 1/0 - Cu - GND, 4" C.

PNL "B", 2nd SECTION: 200A - MLO - 120/208V - 3Φ - 5W, 10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR Nr.
43	G P 208V RECEPT	20A/2P	12TW	1.08	1.98			0.90	12TW	20A/2P	G P 208V RECEPT	44
45	"	"	"	1.08		1.98		0.90	"	"	"	46
47	"	"	"	0.90			1.80	0.90	"	"	"	48
49	"	"	"	0.90	1.80			0.90	"	"	"	50
51	PAINT BOOTH	60A/2P	6TW	2.88		4.80		1.92	"	20A/1P	PAINT BOOTH	52
53	"	"	"	2.88			4.80	1.92	"	"	TRUCK WASH	54
55	GAR DOOR OPNR	20A/2P	12TW	0.96	3.84			2.88	6TW	60A/2P	TRUCK WASH	56
57	"	"	"	0.96		3.84		2.88	"	"	"	58
59	"	"	"	0.96			1.92	0.96	12TW	20A/2P	GAR DOOR OPNR	60
61	"	"	"	0.96	1.92			0.96	"	"	"	62
63	"	"	"	0.96		1.92		0.96	"	"	"	64
65	"	"	"	0.96			1.92	0.96	"	"	"	66
67	"	"	"	0.96	1.92			0.96	"	"	"	68
69	"	"	"	0.96		1.92		0.96	"	"	"	70
71	"	"	"	0.96			1.92	0.96	"	"	"	72
73	"	"	"	0.96	1.92			0.96	"	"	"	74
75	"	"	"	0.96		1.92		0.96	"	"	"	76
77	"	"	"	0.96			1.92	0.96	"	"	"	78
79	SPARE	-	-	0.54	1.08			0.54	-	-	SPARE	80
81	"	-	-	0.54		1.08		0.54	-	-	"	82
83	"	-	-	0.54			1.08	0.54	-	-	"	84
					14.46	17.46	15.36					

ΦA 14.46KW / 120 V = 120.5 AMPERES
ΦB 17.46KW / 120 V = 145.5 AMPERES
ΦC 15.36KW / 120 V = 128.0 AMPERES
FEEDER SIZE: 3 # 3/0 - THW - Cu, 1 # 2/0 - THW - - Cu - Neut.
1 # 4 - Cu - GND, 2" C.

PNL "C": 100A - MLO - 120/208V - 3Φ - 5W, 10K A.I.C. - FLUSH - 42 SLOT

CIR Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	ΦA KW	ΦB KW	ΦC KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR Nr.
1	FLU LTG	20A/1P	20TW	0.96	1.62			0.72	12TW	20A/1P	RESTROOMS	2
3	"	"	"	1.60		2.14		0.54	"	"	EWC	4
5	"	"	"	0.32			1.04	0.72	"	"	G P RECEPT	6
7	"	"	"	1.60	2.14			0.54	"	"	SHOW WINDOW	8
9	SPARE	-	-	0.54		1.44		0.90	"	"	G P RECEPT	10
11	"	-	-	0.54			1.26	0.72	"	"	"	12
13	"	-	-	0.54	1.08			0.54	"	"	COUNTER RECEPT	14
15	"	-	-	0.54		1.08		0.54	-	-	SPARE	16
17	"	-	-	0.54			1.08	0.54	-	-	"	18
19	AHU W/ 10KW HEAT	60A/3P	X	3.60	3.60			(1.80)	8TW	40A/3P	CU - 5T	20
21	"	"	"	3.60		3.60		(1.80)	"	"	"	22
23	"	"	"	3.60			3.60	(1.80)	"	"	"	24
25	SPACE	-	-	0.00	0.00			0.00	-	-	SPACE	26
27						0.00						28
29							0.00					30
31					0.00							32
33						0.00						34
35							0.00					36
37					0.00							38
39						0.00						40
41							0.00					42
					7.44	8.26	6.98					

ΦA 7.44KW / 120 V = 62.0 AMPERES
ΦB 8.26KW / 120 V = 68.2 AMPERES
ΦC 6.98KW / 120 V = 58.2 AMPERES
FEEDER SIZE: 3 #3 - THW - Cu, 1 # 4 - THW - Cu - - Neut.
1 # 8 - Cu - GND, 1½" C.

Electrical SYMBOLS

POWER

- DUPLEX WALL RECEPTACLE
- 208V OUTLET
- GND FAULT INTERRUPTER DUPLEX RECEPT.
- WEATHER PROOF GFI DUPLEX RECEPT.
- JUNCTION BOX
- MOTOR (SP - SUBMERSIBLE PUMP)
- ELECTRICAL PANEL
- ELECTRICAL PANEL
- EXHAUST FAN
- NON-FUSED DISC. SWITCH
- TELEPHONE

LIGHTING

- SPST WALL SWITCH
- DPDT WALL SWITCH (3-WAY)
- 4 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- 400W M. H. HIGH BAY
- 70W M. H. WALL PAK
- SWITCH/FIXTURE WIRING
- CONTROL WIRE / LOW VOLTAGE
- TIME CLOCK
- LIGHTING CONTACTOR

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1997 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1994.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THWN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A 'UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
16. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AC.
25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386/755-9021

NORTH FLORIDA TRUCK PARTS
ELECTRICAL PLAN
COLUMBIA COUNTY, FLORIDA

DATE:	DRAWN:	REVISION:	SHEET:
08JAN2K7	NPG		E.2
COMM: 2K702			2 OF 2

23Feb2K7
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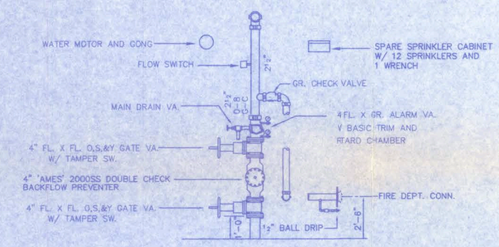
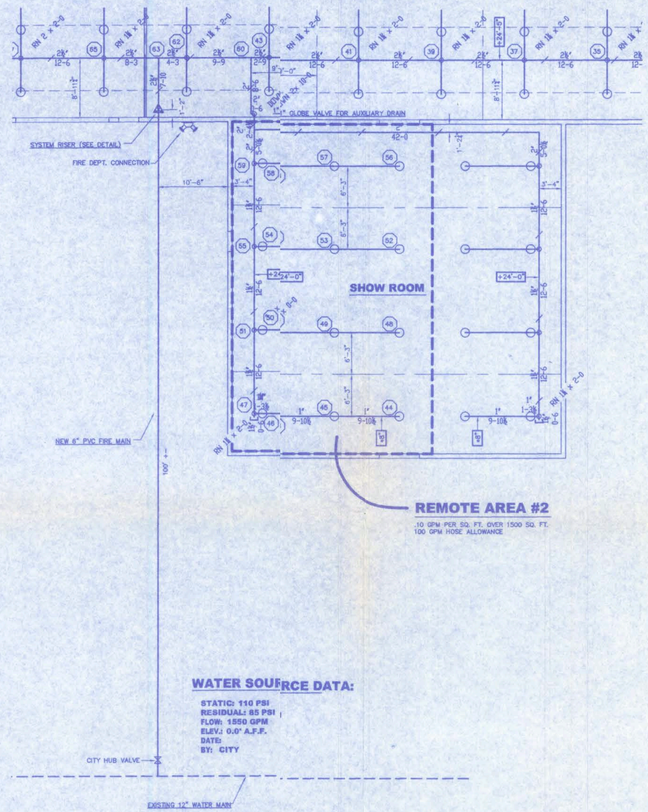


RISER DETAIL

NO SCALE

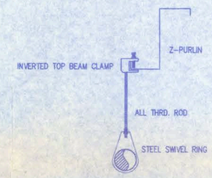


REMOTE AREA #2

.10 GPM PER SQ. FT. OVER 1500 SQ. FT.
100 GPM HOSE ALLOWANCE

WATER SOURCE DATA:

STATIC: 110 PSI
RESIDUAL: 85 PSI
FLOW: 1550 GPM
ELEV.: 0.0' A.F.F.
DATE:
BY: CITY



HANGER #2

NO SCALE

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

02/20/07

FILE COPY

SCALE 3/32"=1'-0"

GEORGIA AUTOMATIC SPRINKLER
COMPANY, INC.
FIRE PROTECTION
1405 HARBIN CIRCLE
VALDOSTA, GEORGIA 31602
PH:229-247-9939 FAX:229-247-0274

General Notes

1. ALL PIPE LENGTH DIMENSIONS ARE CENTER TO CENTER LENGTHS.
2. ALL PIPE IS BLACK STEEL SCHEDULE 10 AND SCHEDULE 40.
3. ALL FITTINGS ARE STEEL WELDED, MALLEABLE GROOVED AND CAST IRON THREADED.
4. ALL HANGERS ARE STEEL SWIVEL RINGS.
5. TOTAL AREA COVERED: 16,700 SQ. FT.

Symbols

Symbol	Description
3	HYDRAULIC CALC. REF. POINT
X'-X"	FROM FL TO ℄ OF PIPE
BTS X'-X"	FROM STRUCT. TO ℄ OF PIPE
	FIRE RATED PARTITION
	20 GAUGE PIPE SLEEVE

Number of Sprinklers

Total This Sheet		Total This Job
Symbol	Description	
○	468 1/2" GLOBE BRASS UPRIGHT 200°	
◉	2 1/2" GLOBE CHROME RECESSED PENDENT 155°	

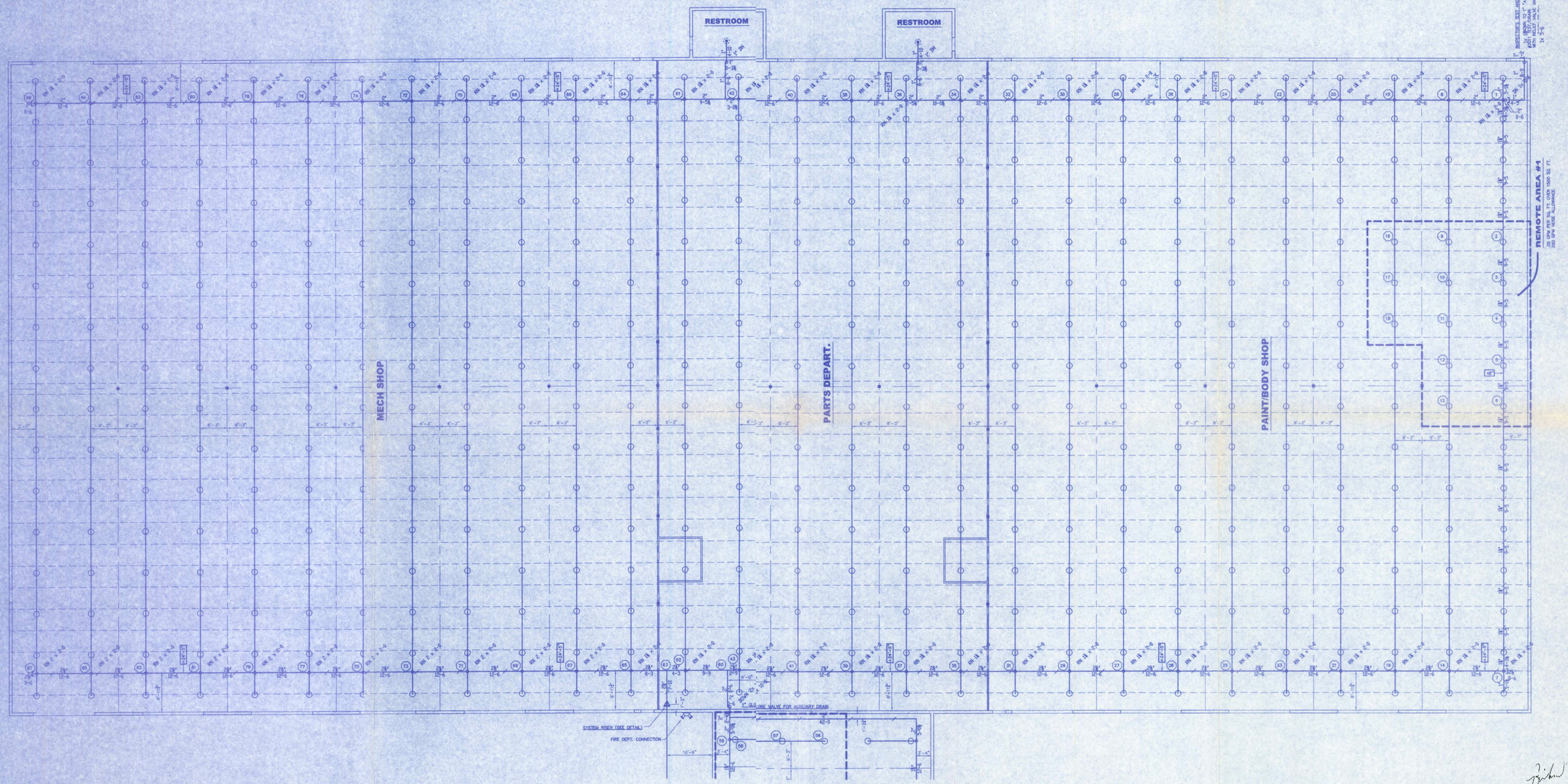
		Revisions:	Date:
Drawing Title	PART FIRE PROTECTION		
Contract No.			
Drawn By	S. HUTCHINSON		
Scale	3/32" = 1'-0"		
Date	02/13/07		
Approval By			

Job:
NORTH FLORIDA TRUCK PARTS
LAKE CITY, FLORIDA

Contractor:

07-029

SHEET 2 OF 2



02/20/07

GEORGIA AUTOMATIC SPRINKLER COMPANY, INC.
FIRE PROTECTION
1405 HARBIN CIRCLE
VALDOSTA, GEORGIA 31602
PH:229-247-9939 FAX:229-247-0274

SCALE 3/32"=1'-0"

General Notes

1. ALL PIPE LENGTH DIMENSIONS ARE CENTER TO CENTER LENGTHS.
2. ALL PIPE IS BLACK STEEL SCHEDULE 10 AND SCHEDULE 40.
3. ALL FITTINGS ARE STEEL WELDED, MALLEABLE GROOVED AND CAST IRON THREADED.
4. ALL HANGERS ARE STEEL SWIVEL RINGS.
5. TOTAL AREA COVERED: 18,700 SQ. FT.

Symbols

Symbol	Description
3	HYDRAULIC CALC. REF. POINT
X'-X"	FROM FL TO ℄ OF PIPE
@TS X'-X"	FROM STRUCT. TO ℄ OF PIPE
	FIRE RATED PARTITION
	20 GAUGE PIPE SLEEVE

Number of Sprinklers

Total This Sheet		Total This Job
Symbol	Description	
○	468 1/2" GLOBE BRASS UPRIGHT 200°	
❋	2 1/2" GLOBE CHROME RECESSED PENDENT 155°	

Drawing Title: PART FIRE PROTECTION

Contract No.

Drawn By: S. HUTCHINSON

Scale: 3/32" = 1'-0"

Date: 02/13/07

Approval By

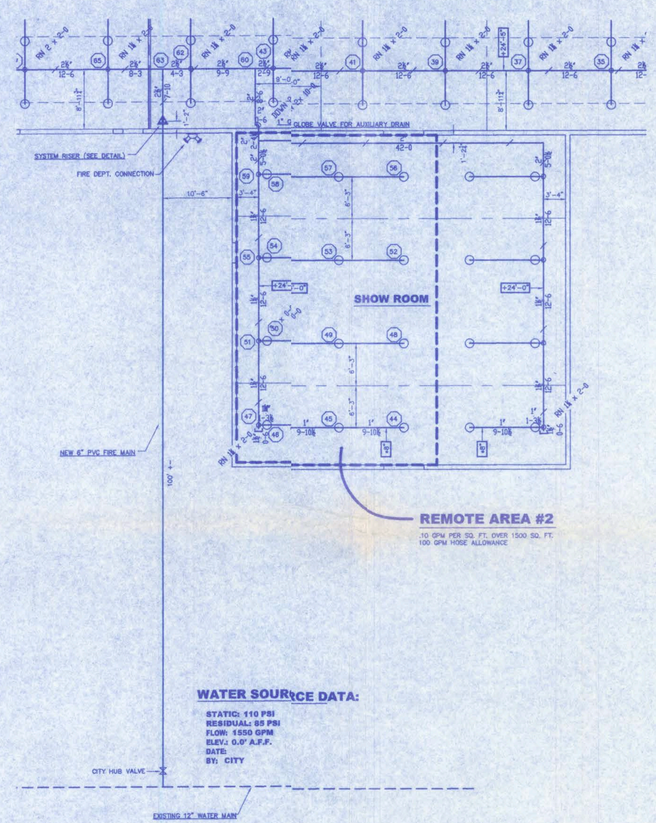
Revisions:	Date:

Job: NORTH FLORIDA TRUCK PARTS
LAKE CITY, FLORIDA

Contractor:

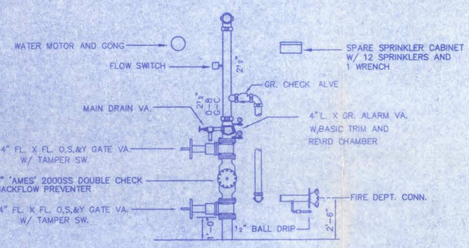
FILE COPY

SHEET 1 OF 2



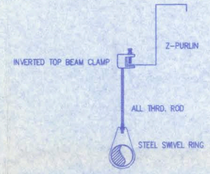
WATER SOURCE DATA:

STATIC: 110 PSI
RESIDUAL: 85 PSI
FLOW: 1550 GPM
ELEV.: 0.0' A.F.F.
DATE:
BY: CITY



RISER DETAIL

NO SCALE



HANGER #2

NO SCALE

Richard J. Nolan
02/20/07

SCALE 3/32"=1'-0"

GEORGIA AUTOMATIC SPRINKLER

COMPANY, INC.
FIRE PROTECTION
1405 HARBIN CIRCLE
VALDOSTA, GEORGIA 31602
PH:229-247-9939 FAX:229-247-0274

General Notes

1. ALL PIPE LENGTH DIMENSIONS ARE CENTER TO CENTER LENGTHS.
2. ALL PIPE IS BLACK STEEL SCHEDULE 10 AND SCHEDULE 40.
3. ALL FITTINGS ARE STEEL WELDED, MALLEABLE GROOVED AND CAST IRON THREADED.
4. ALL HANGERS ARE STEEL SWIVEL RINGS.
5. TOTAL AREA COVERED: 16,700 SQ. FT.

Symbols

Symbol	Description
(3)	HYDRAULIC CALC. REF. POINT
X'-X"	FROM FL. TO ℄ OF PIPE
BTS X'-X"	FROM STRUCT. TO ℄ OF PIPE
	FIRE RATED PARTITION
	20 GAUGE PIPE SLEEVE

Number of Sprinklers

Total This Sheet: Symbol	Total This Job: Description
○	468 1/2" GLOBE BRASS UPRIGHT 200°
⊛	2 1/2" GLOBE CHROME RECESSED PENDENT 155°

Drawing Title	PART FIRE PROTECTION		
Contract No.		Revisions:	Date:
Drawn By	S. HUTCHINSON		
Scale	3/32" = 1'-0"		
Date	02/13/07		
Approval By			

Job:
NORTH FLORIDA TRUCK PARTS
LAKE CITY, FLORIDA

Contractor:

07-029

SHEET 2 OF 2

WAREHOUSE BUILDING
FOR
NORTH FLORIDA TRUCK PARTS

NORTH FLORIDA TRUCK PARTS
10434 SW CR 240
LAKE CITY, FL. 32055

SITE DATA

APPLICABLE CODES:
2004 FLORIDA BUILDING CODE, BUILDING
2004 FLORIDA BUILDING CODE, FUEL GAS
2004 FLORIDA BUILDING CODE, MECHANICAL
2004 FLORIDA BUILDING CODE, PLUMBING
2004 FLORIDA FIRE PREVENTION CODE
2002 NATIONAL ELECTRIC CODE.

BLDG. A

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP F-1
TABLE 500 TYPE OF CONSTRUCTION	TYPE 1B SPR.
TABLE 500 AREA/HEIGHT LIMITATIONS	UL/11
OCCUPANCY	
LOAD CAPACITY: 100/GROSS = 27,500 SF/100 = 300	275 OCCUPANT

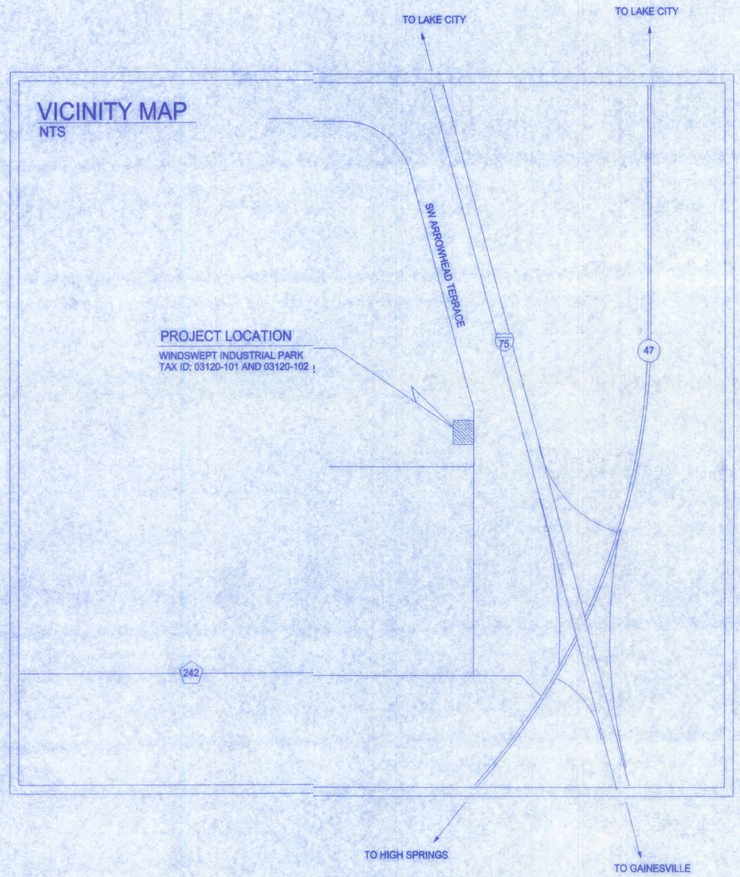
BLDG. A (1)

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP S-2
TABLE 500 TYPE OF CONSTRUCTION	TYPE 1B SPR.
TABLE 500 AREA/HEIGHT LIMITATIONS	UL/11
OCCUPANCY	
LOAD CAPACITY: 100/GROSS = 7,500 SF/100 = 75	75 OCCUPANTS

BLDG. B

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP B
TABLE 500 TYPE OF CONSTRUCTION	TYPE 1B SPR.
TABLE 500 AREA/HEIGHT LIMITATIONS	UL/11
OCCUPANCY	
LOAD CAPACITY: 100/GROSS = 2,500 SF/100 = 25	25 OCCUPANTS

VICINITY MAP
NTS



INDEX OF SHEETS

SHEET	DESCRIPTION
SP-1	SITE PLAN
SP-2	GRADING PLAN
SP-3	EROSION AND SEDIMENT CONTROL
SP-4	SITE DETAILS
A-1	GENERAL NOTES
A-2	OVERALL FLOOR PLAN
A-3	SHOWROOM BUILD-OUT
A-4	BATHROOM LAYOUT
A-5	LIFE SAFETY SHEET
M-1	PLUMBING PLAN
M-2	HVAC PLAN

PLANS PREPARED FOR:

NORTH FLORIDA TRUCK PARTS
10434 SW CR 240
LAKE CITY, FL. 32055

PLANS PREPARED BY:

Freeman Design Group INC.
181 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386)758-4203
CERTIFICATE OF AUTHORIZATION # 0008851

REVISIONS
(1) 3/14/07

3/26/07

NORTH FLORIDA TRUCK PARTS

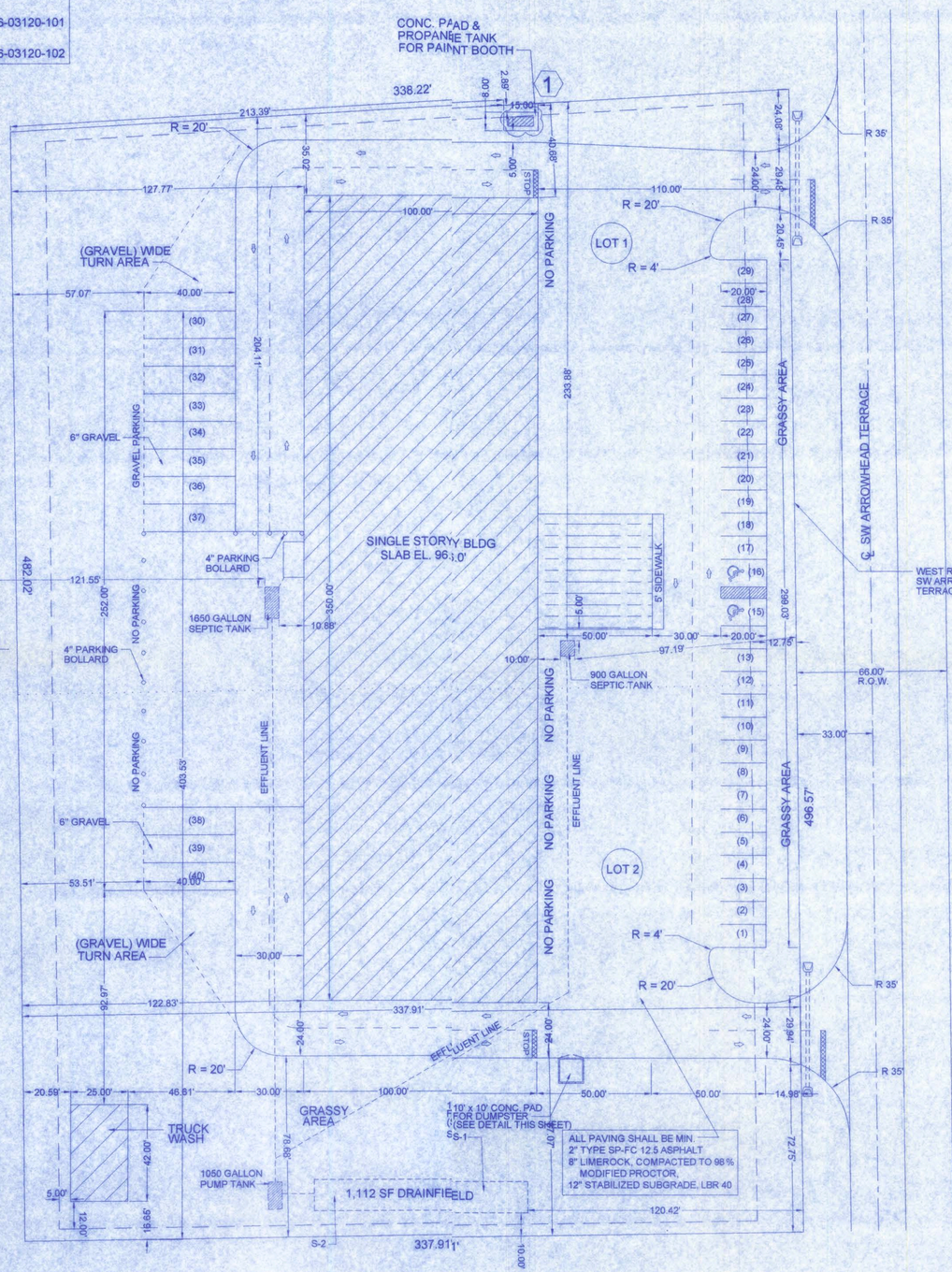
LAKE CITY, FLORIDA

SITE DATA

PROJECT:	NORTH FLORIDA TRUCK PARTS, BO SKINNER		
LEGAL DESCRIPTION:	REFER TO ATTACHED SURVEY		
ZONING:	COMMERCIAL INTENSIVE		
AREA COMPUTATIONS:	SQUARE FEET	ACRES	% OF TOTAL
GROSS SITE AREA:	165,336.9405 SF	3.7956 Ac.	-
GROSS DEVELOPMENT AREA:	165,336.9405 SF	3.7956 Ac.	100.000 %
TOTAL AREA:			
IMPERVIOUS AREA:			
BUILDINGS	38,550.0000 SF	0.8850 Ac.	23.317 %
CONCRETE DRIVES	46,265.6383 SF	1.0621 Ac.	27.982 %
TOTAL IMPERVIOUS	84,815.6383 SF	1.9471 Ac.	51.299 %
PERVIOUS AREA:			
GRAVEL PARKING	12,427.3300 SF	0.2817 Ac.	7.421 %
GREEN AREA	68,093.9722 SF	1.5632 Ac.	41.184 %
TOTAL PERVIOUS	80,341.3022 SF	1.8444 Ac.	48.595 %

PARKING REQUIRED:
1 PER 150 SF OFFICE (2,500 SF) — 17 - CARS
1 PER 1500 SF WAREHOUSE (35,000 SF) — 23 - CARS
TOTAL REQUIRED: 40 - SPACES

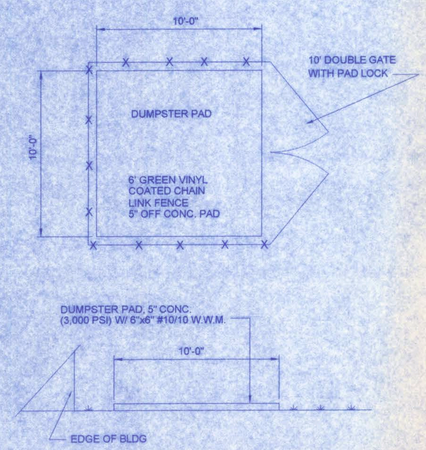
PARKING PROVIDED: 50 - SPACES
27 - REGULAR SPACES (CONC)
21 - REGULAR SPACES (GRAVEL)
2 - HANDICAP SPACES



SITE PLAN

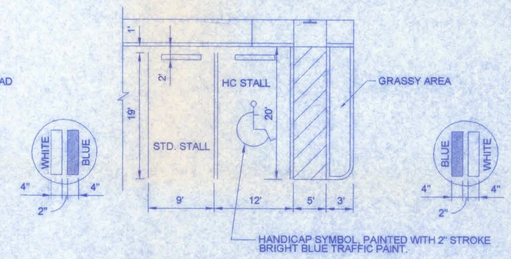
SCALE: 1" = 30'

EXISTING PERMIT: ERP# 01-0407M
NOTE: MAXIMUM LOT COVERAGE = 60%
TOTAL PROPOSED IMPERVIOUS - COVERAGE = 55.565%



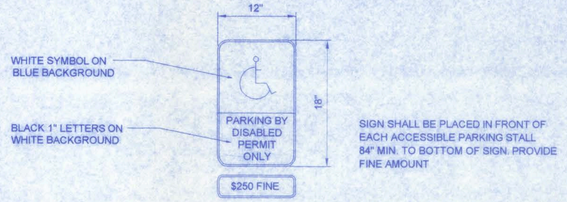
DUMPSTER PAD DETAILS

N.T.S.



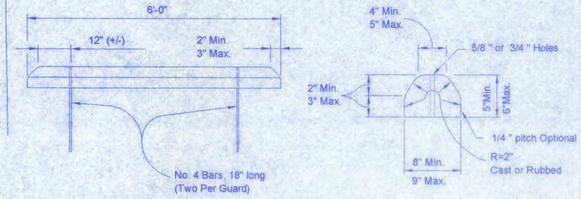
PARKING STALL DETAILS

N.T.S.



HC SIGN DETAILS

N.T.S.



CONCRETE WHEEL STOP

NTS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNE ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
3. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTEED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
4. ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCON.
5. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG TERM VEGETATION AND QUICK GROWING SHORT TERM VEGETATION FOR THE FOLLOWIN CONDITIONS: FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHAL CONSIST OF 70 POUNDS PER ACRE OF LONG TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONST OF 70 POUNDS PER ACRE OF LONG TERM SEED AND 20 POUNDS PER ACRE OF MILLT.
6. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION PLUMES, OUTFALL DITCHES AND COLLECTION PIPE OUTLETS.
7. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REOVED
8. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
9. ALL UTILITY CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY/COLUMBIA COUNT WATER AND WASTEWATER UTILITY STANDARDS.
10. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER.
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.
12. THE DRIVEWAY CONNECTION IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE FORIDA DEPARTMENT OF TRANSPORTATION STANDARD FOR SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE ROADWAY AND TRAFFIC DESIGN STAOARDS (CURRENT EDITION).
13. THE TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) ANCHE FLORIDA DEPARTMENT OF TRANSPORTATION RAODWAY AND TRAFFIC DESIGN STAOARDS (CURRENT EDITION). ACCORDING TO STATE INDEXES 17302 AND 17346. ALL PAVEMNT MARKING SHALL BE THERMOPLASTIC LEAD FREE PAINT.
14. MAINTENANCE OF TRAFFIC SHALL BE PERFOMED IN ACCORDNACE WITH THE FLORIA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS @ AND 802.
15. THE CONTRACTOR SHALL OBTAIN THREE DENSITY TESTS ACCORDING TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDION). LIMEROCK SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMIND BY AASHTO T-180. A COPY OF THE TESTS SHALL BE SUBMITTED TO CITY OF LAKE CITY BFORE STARTING ANY PAVING OPERATIONS.
16. THE CONTRACTOR SHALL ADHERE TO THE EROSION CONTROL PLAN, SHEET , BEFOE COMMENCING ANY EARTHWORK ON THE SITE.
17. CONTRACTOR TO INSTALL LOCATOR DEVICES AT TAP LOCATIONS (WATER/SEWER))CATOR DEVICES BY CITY OF LAKE CITY.

NORTH FLORIDA TRUCK PARTS
Bo Skinner, Lake City, FL

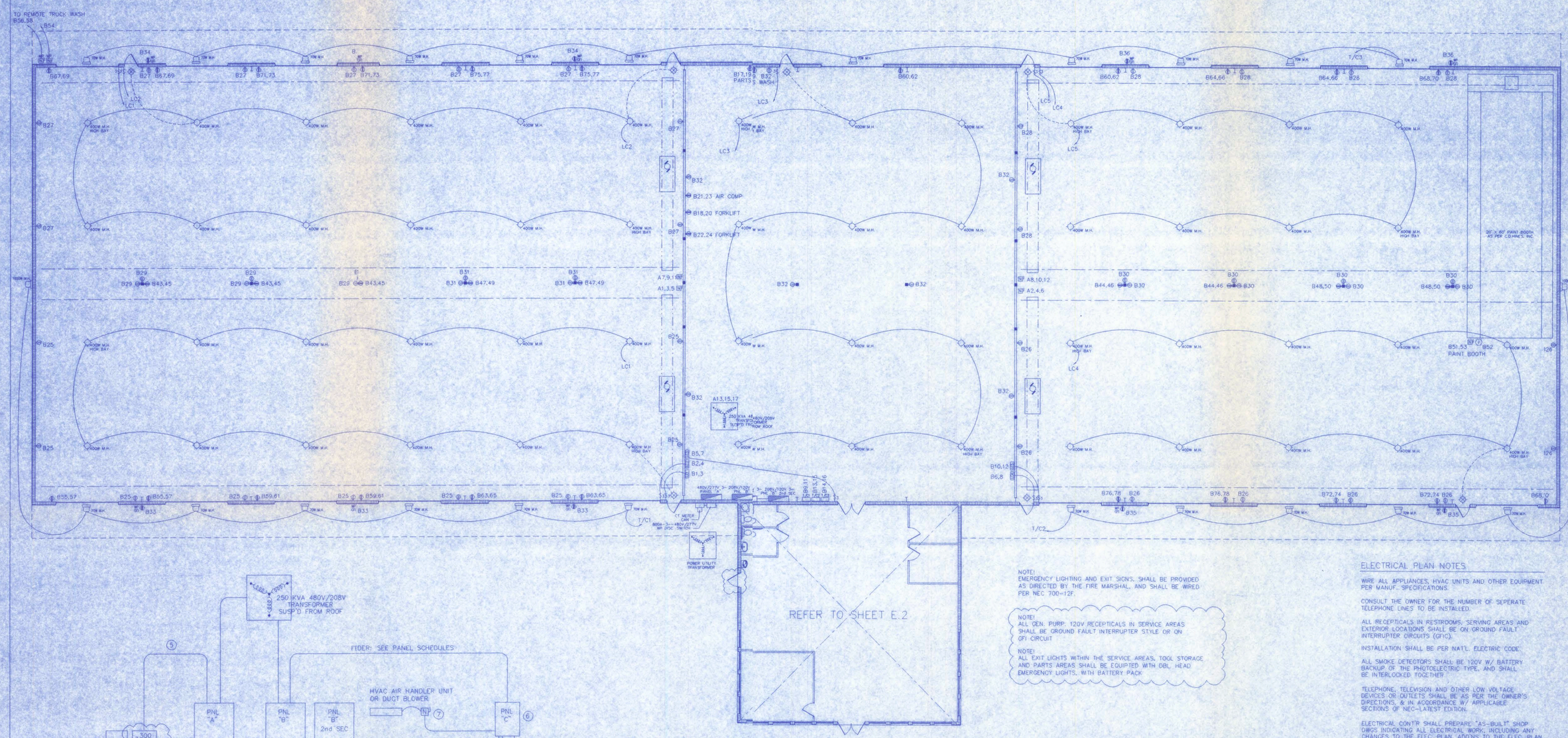
161 NW MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386)758-4209
CERTIFICATE OF AUTHORIZATION # 00008701
Freeman Design Group inc

DATE	DRAWN BY
8/9/06	W.H.F.

REVISIONS
1 3/14/07

SHEET SP - 1 OF 4

PROJECT NO. 06.CI10



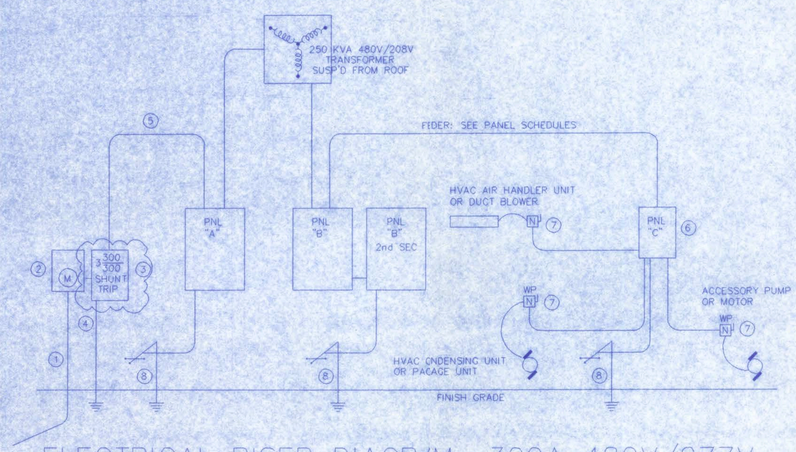
NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

NOTE!
ALL GEN. PURP. 120V RECEPTICALS IN SERVICE AREAS SHALL BE GROUND FAULT INTERRUPTER STYLE OR ON GFI CIRCUIT

NOTE!
ALL EXIT LIGHTS WITHIN THE SERVICE AREAS, TOOL STORAGE AND PARTS AREAS SHALL BE EQUIPTED WITH DBL. HEAD EMERGENCY LIGHTS, WITH BATTERY PACK

ELECTRICAL PLAN

SCALE: 3/32" = 1'-0"



ELECTRICAL RISER DIAGRAM: 300A 480V/277V – 3~

SCALE: NONE

1. Service/Feeder Entrance Conductors: 2½" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
2. Meter Enclosure, weatherproof, U.L. Listed
3. Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
4. Service entrance Ground: 1" ⌀ iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5, below.
5. 300 AMPS SERVICE:
   3 # 350MCM – THW – Cu. 1 # 300 – THW – Cu – Neut
   1 # 4 – Cu – GND. 3" C
6. Panel (PL), U.L. Listed, sized per schedule
7. Equipment Disconnect Switch: non-fused, in weatherproof enclosure size according to Panel Schedule loads.
8. Provide Bond Wire to metal piping, size in accordance with the service Ground Conductor.

NOTE!
THE MINIMUM IC RATING FOR PANEL BOARDS, BRKRS AND DISCONNT SWITCHES SHALL BE 22,000 AIC

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL RECEPTICALS IN RESTROOMS, SERVING AREAS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFIC).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

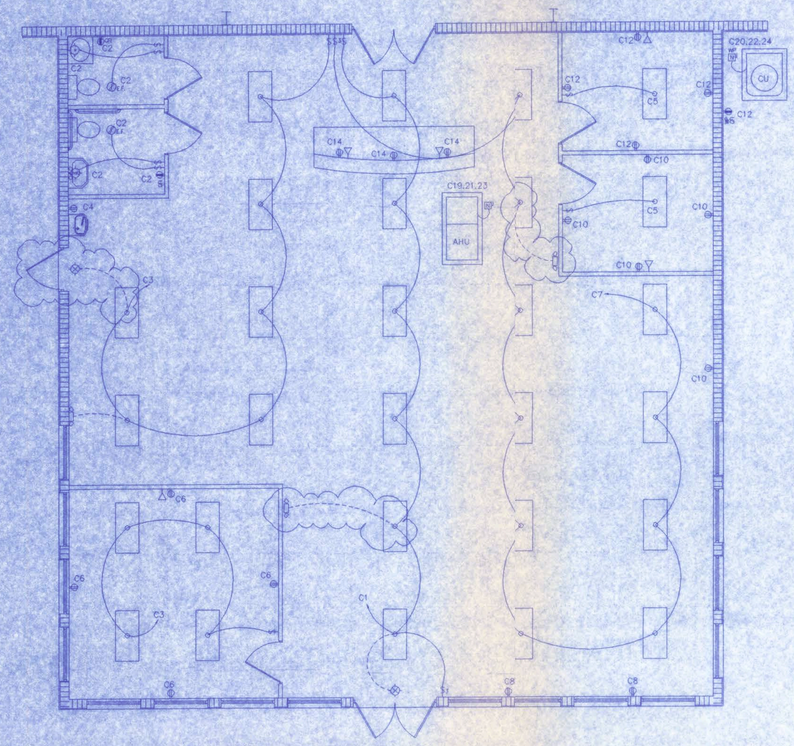
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT No., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386/755-9021

NORTH FLORIDA TRUCK PARTS
ELECTRICAL PLAN
COLUMBIA COUNTY, FLORIDA

DATE:	DRAWN:	REVISION:	SHEET:
08JAN2K7	rpg	15MAR2K7	E.1
COMM: 2K702			1 OF 2

AR0007005



ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

NOTE:
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

PNL "A":

400A - MLO - 480/277V - 3~ - 5W
10K A.I.C. - FLUSH - 24 SLOT

CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	~A KW	~B KW	~C KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
1	TRAVELING CRANE	30A/3P	10TW	2.22	4.44			2.22	10TW	30A/3P	TRAVELING CRANE	2
3	-	-	-	2.22		4.44		2.22	-	-	-	4
5	-	-	-	2.22			4.44	2.22	-	-	-	6
7	TRAVELING CRANE	30A/3P	10TW	2.22	4.44			2.22	10TW	30A/3P	TRAVELING CRANE	8
9	-	-	-	2.22		4.44		2.22	-	-	-	10
11	-	-	-	2.22			4.44	2.22	-	-	-	12
13	250 KVA TRANSF.	300A/3P	350MCM	66.67 7	66.67			0.00	-	-	SPACE	14
15	-	-	-	66.67 7		66.67		0.00	-	-	-	16
17	-	-	-	66.67 7			66.67	0.00	-	-	-	18
19	SPARE	-	-	2.25	4.50			2.25	-	-	SPARE	20
21	-	-	-	2.25		4.50		2.25	-	-	-	22
23	-	-	-	2.25			4.50	2.25	-	-	-	24
					80.05	80.05	80.05					

~A 80.05KW / 277 V = 289.0 AMPERS
~B 80.05KW / 277 V = 289.0 AMPERS
~C 80.05KW / 277 V = 289.0 AMPERS

FEEDER SIZE: 3 # 350MCM - THW - Cu, 1 # 300MCM - THW - Cu - Neut. 1 # 4 - Cu - GND. 3" C.

PNL "B":

400A - MLO - 120/208V - 3~ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	~A KW	~B KW	~C KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
1	M. H. LTG.	30A/2P	10TW	2.40	4.80			2.40	10TW	30A/2P	M. H. LTG.	2
3	-	-	-	2.40		4.80		2.40	-	-	-	4
5	-	-	-	2.40			4.80	2.00	-	-	-	6
7	-	-	-	2.40	4.40			2.00	-	-	-	8
9	TC1	20A/2P	12TW	0.74		2.34		1.60	-	-	-	10
11	-	-	-	0.74			2.34	1.60	-	-	-	12
13	TC2	-	-	0.68	1.07			0.39	12TW	20A/2P	TC3	14
15	-	-	-	0.68		1.07		0.39	-	-	-	16
17	PARTS WASHER	60A/2P	6TW	2.88			5.76	2.88	6TW	60A/2P	FORK LIFT	18
19	-	-	-	2.88	5.76			2.88	-	-	-	20
21	AIR COMP.	60A/2P	-	2.88		5.76		2.88	-	60A/2P	FORK LIFT	22
23	-	-	-	2.88			5.76	2.88	-	-	-	24
25	G. P. RECEPT.	20A/1P	12TW	0.90	1.80			0.90	12TW	20A/1P	G. P. RECEPT	26
27	-	-	-	0.90		1.80		0.90	-	-	-	28
29	-	-	-	0.90			1.80	0.90	-	-	-	30
31	-	-	-	0.90	1.80			0.90	-	-	-	32
33	GFI RECEPT.	-	-	0.54		1.08		0.54	-	-	GFI RECEPT.	34
35	-	-	-	0.54			1.08	0.54	-	-	-	36
37	PANEL "B", 2nd SEC.	200A/3P	3/0 THW	14.46 6	21.92			7.44	3 THW	100A/3P	PANEL "C"	38
39	-	-	-	17.46 6		25.72		8.26	-	-	-	40
41	-	-	-	15.36 6			22.34	6.98	-	-	-	42
					41.53	42.57	43.88					

~A 41.53KW / 120 V = 346.1 AMPERS
~B 42.57KW / 120 V = 354.8 AMPERS
~C 43.88KW / 120 V = 365.7 AMPERS

FEEDER SIZE: 3 # 600MCM - THW - Cu, 1 # 500MCM - THW - Cu - Neut. 1 # 1/0 - Cu - GND. 4" C.

PNL "B", 2nd SECTION:

200A - MLO - 120/208V - 3~ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	~A KW	~B KW	~C KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
43	G. P. 208V RECEPT.	20A/2P	12TW	1.08	1.98			0.90	12TW	20A/2P	G. P. 208V RECEPT.	44
45	-	-	-	1.08		1.98		0.90	-	-	-	46
47	-	-	-	0.90			1.80	0.90	-	-	-	48
49	-	-	-	0.90	1.80			0.90	-	-	-	50
51	PAINT BOOTH	60A/2P	6TW	2.88		4.80		1.92	-	20A/1P	PAINT BOOTH TRUCK WASH	52
53	-	-	-	2.88			4.80	1.92	-	-	-	54
55	GAR. DOOR OPNR.	20A/2P	12TW	0.96	3.84			2.88	6TW	60A/2P	TRUCK WASH	56
57	-	-	-	0.96		3.84		2.88	-	-	-	58
59	-	-	-	0.96			1.92	0.96	12TW	20A/2P	GAR. DOOR OPNR.	60
61	-	-	-	0.96	1.92			0.96	-	-	-	62
63	-	-	-	0.96		1.92		0.96	-	-	-	64
65	-	-	-	0.96			1.92	0.96	-	-	-	66
67	-	-	-	0.96	1.92			0.96	-	-	-	68
69	-	-	-	0.96		1.92		0.96	-	-	-	70
71	-	-	-	0.96			1.92	0.96	-	-	-	72
73	-	-	-	0.96	1.92			0.96	-	-	-	74
75	-	-	-	0.96		1.92		0.96	-	-	-	76
77	-	-	-	0.96			1.92	0.96	-	-	-	78
79	SPARE	-	-	0.54	1.08			0.54	-	-	SPARE	80
81	-	-	-	0.54		1.08		0.54	-	-	-	82
83	-	-	-	0.54			1.08	0.54	-	-	-	84
					14.46	17.46	15.36					

~A 14.46KW / 120 V = 120.5 AMPERS
~B 17.46KW / 120 V = 145.5 AMPERS
~C 15.36KW / 120 V = 128.0 AMPERS

FEEDER SIZE: 3 # 3/0 - THW - Cu, 1 # 2/0 - THW - Cu - Neut. 1 # 4 - Cu - GND. 2" C.

PNL "C":

100A - MLO - 120/208V - 3~ - 5W
10K A.I.C. - FLUSH - 42 SLOT

CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	~A KW	~B KW	~C KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
1	FLU. LTG.	20A/1P	20TW	0.96	1.92			0.72	12TW	20A/1P	RESTROOMS	2
3	-	-	-	1.60		2.14		0.54	-	-	EWC	4
5	-	-	-	0.32			1.04	0.72	-	-	G. P. RECEPT.	6
7	SPARE	-	-	1.60	2.14			0.54	-	-	SHOW WINDOW	8
9	-	-	-	0.54		1.44		0.90	-	-	G. P. RECEPT.	10
11	-	-	-	0.54			1.26	0.72	-	-	-	12
13	-	-	-	0.54	1.08			0.54	-	-	COUNTER RECEPT.	14
15	-	-	-	0.54		1.08		0.54	-	-	SPARE	16
17	-	-	-	0.54			1.08	0.54	-	-	-	18
19	AHU W/ 10KW HEAT	60A/3P	X	3.60	3.60			(1.80)	8TW	40A/3P	CU - 5T	20
21	-	-	-	3.60		3.60		(1.80)	-	-	-	22
23	-	-	-	3.60			3.60	(1.80)	-	-	-	24
25	SPACE	-	-	0.00	0.00			0.00	-	-	SPACE	26
27						0.00						28
29							0.00					30
31					0.00							32
33						0.00						34
35							0.00					36
37					0.00							38
39						0.00						40
41							0.00					42
					7.44	8.26	6.98					

~A 7.44KW / 120 V = 62.0 AMPERS
~B 8.26KW / 120 V = 68.2 AMPERS
~C 6.98KW / 120 V = 58.2 AMPERS

FEEDER SIZE: 3 #3 - THW - Cu, 1 # 4 - THW - Cu - Neut. 1 # 8 - Cu - GND. 1" C.

Electrical SYMBOLS

POWER

- DUPLEX WALL RECEPTACLE
- 208V OUTLET
- GND FAULT INTERRUPTER DUPLEX RECEPT.
- WEATHER PROOF GFI DUPLEX RECEPT.
- JUNCTION BOX
- MOTOR (SP - SUBMERSIBLE PUMP)
- ELECTRICAL PANEL
- ELECTRICAL PANEL
- EXHAUST FAN
- NON-FUSED DISC. SWITCH
- TELEPHONE

LIGHTING

- SPST WALL SWITCH
- DPDT WALL SWITCH (3-WAY)
- 4 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- 400W M. H. HIGH BAY
- 70W M. H. WALL PAK
- SWITCH/FIXTURE WIRING
- CONTROL WIRE / LOW VOLTAGE
- TIME CLOCK
- LIGHTING CONTACTOR

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE N.E.C. 1997 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY, AS PER ARTICLE 250 OF NEC-1994.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THWN, THHN OR NM CABLE. UNLESS NOTED OTHERWISE, ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES O ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT. SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
16. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. CO-ORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12E.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM, AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC.
25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

NICHOLAS PAUL GEISLER
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NORTH FLORIDA TRUCK PARTS
ELECTRICAL PLAN
COLUMBIA COUNTY, FLORIDA

DATE:	DRAWN:	REVISION:	SHEET:
08JAN2K7	rpg	15MAR2K7	E.2
COMM: 2K702			2 OF 2

AR0007005

NOTE:
MINIMUM 2 MEANS OF EGRESS TO EXTERIOR REQUIRED WITH A MAXIMUM TRAVEL DISTANCE OF 250 FEET.

NOTE:
EXTERIOR DOORS SHALL BE PERMITTED TO HAVE A KEYED LOCK FORM THE EGRESS SIDE IF A READILY VISIBLE SIGN IS PLACED ADJACENT TO THE DOOR READING "THIS DOOR IS TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED"

NOTE:
ALL STRUCTURAL FRAMES FOR TYPE 1B CONSTRUCTION SHALL HAVE A FIRE RESISTANT RATING OF 1 HOUR FOR SINGLE STORY PER TABLE 601 FBC 2004 EDITION. A SPRAY APPLIED FINISH WITH A THICKNESS TO PROVIDE A 1 HOUR FIRE RESISTANCE SHALL COVER ALL STEEL COLUMNS AND GIRDERS.

NOTE:
NON-HAZARDOUS MATERIAL STORAGE SHALL BE ALLOWED UP TO 10% OF FLOOR SPACE; MECHANIC SHOP IS ALLOWED UP TO 1,500 SF; PAINT/BODY SHOP IS ALLOWED UP TO 1,250 SF; PARTS DEPT. IS ALLOWED UP TO 750 SF.

NOTE:
INSTALL AUTOMATIC SPRINKLER SYSTEM PER FBC 903.2.8.1; GEORGIA AUTOMATIC SPRINKLERS CO. IS TO SUPPLY SHOP DRAWINGS FOR SPRINKLER SYSTEM. [229-247-9939]

NOTE:
INSTALL AUTOMATIC FIRE ALARM/ NOTIFICATION SYSTEM PER FBC 907.2.4; SECURITY SAFE CO. IS TO SUPPLY SHOP DRAWINGS FOR AUTO. FIRE ALARM SYSTEM. [386-935-2832]

NOTE:
HAZARDOUS MATERIAL SHALL BE LIMITED TO THE AMOUNT SPECIFIED IN TABLE 307.9 FBC, 2004. IF THIS AMOUNT IS EXCEEDED, THE AREA MUST BE SEPARATED BY A FIRE WALL PER TABLE 704 AND SHALL HAVE AN AUTOMATIC SPRINKLER INSTALLED.

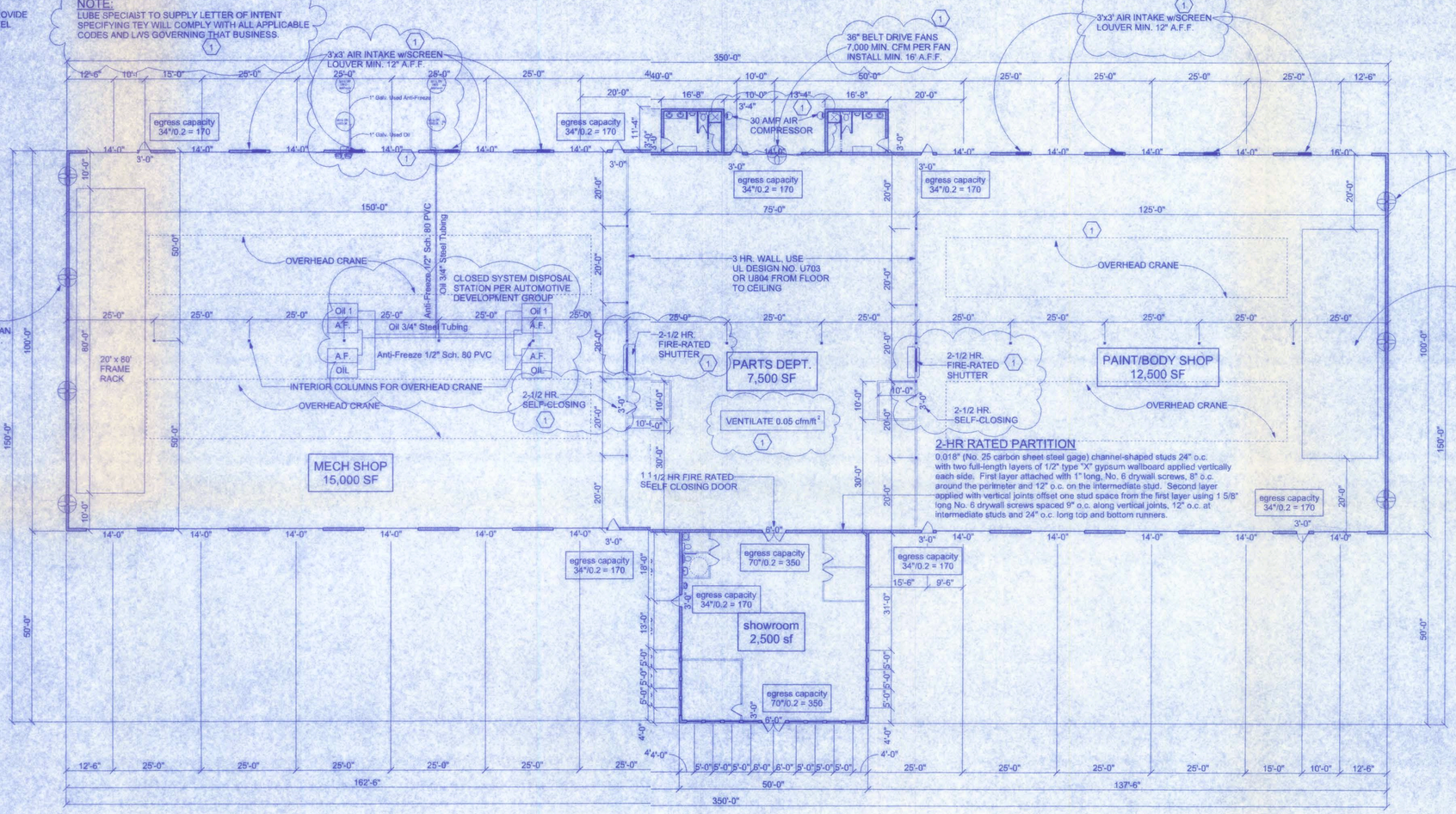
NOTE:
IF AN AREA LOCATED WITHIN ONE OF THE ROOMS LISTED IN TABLE 307.9 pump operation IS MORE THAN 10% OF THE TOTAL AREA, THEN THAT AREA MUST BE RECLASSIFIED AND SHALL HAVE A FIRE BARRIER PER TABLE 704 FBC, 2004.

NOTE:
LUBE SPECIALIST TO SUPPLY LETTER OF INTENT SPECIFYING THEY WILL COMPLY WITH ALL APPLICABLE CODES AND LWS GOVERNING THAT BUSINESS.

ADG NOTE:

FIRE PROTECTION REQUIREMENTS

MEMBER	REQ'D PROTECTION	U.L. LISTING
COLUMNS	1 HOUR	BXUV.S601
BEAMS	1 HOUR	BXUV.X606



2-HR RATED PARTITION

0.018" (No. 25 carbon sheet steel gage) channel-shaped studs 24" o.c. with two full-length layers of 1/2" type "X" gypsum wallboard applied vertically each side. First layer attached with 1" long, No. 6 drywall screws, 8" o.c. around the perimeter and 12" o.c. on the intermediate stud. Second layer applied with vertical joints offset one stud space from the first layer using 1 5/8" long No. 6 drywall screws spaced 9" o.c. along vertical joints, 12" o.c. at intermediate studs and 24" o.c. long top and bottom runners.

AREA SUMMARY

MECHANIC SHOP	15,000 SF
PARTS DEPARTMENT	7,500 SF
AUTOBODY SHOP	12,500 SF
OFFICE/SHOWROOM	2,500 SF
TOTAL	37,500 SF

FLOOR PLAN
SCALE: 1/16" = 1'-0"

NOTE:
FBC MECHANICAL 1302.3 - PIPE STANDARDS.
FUEL OIL PIPE SHALL COMPLY WITH ONE OF THE STANDARDS LISTED BELOW:

PIPE STANDARDS, PER FBC 1302.3	
MATERIAL	STANDARD
BRASS PIPE	ASTM B 43
BRASS TUBING	ASTM B 135
COPPER OR COPPER-ALLOY PIPE	ASTM B 42; ASTM B 302
COPPER OR COPPER-ALLOY TUBING (TYPE K, L OR M)	ASTM B 75; ASTM B 88; ASTM B 280
LABELED PIPE	SEE SECTION 1302.4
NONMETALLIC PIPE	ASTM D 2996
STEEL PIPE	ASTM A 53; ASTM A 106
STEEL TUBING	ASTM A 254; ASTM A 539

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP F-1
TABLE 503 TYPE OF CONSTRUCTION	TYPE II B
TABLE 503 AREA/HEIGHT LIMITATIONS (15,500 MAX AREA w/OUT SPRINKLER, 46,500 SF w/AUTO. SPRINKLER SYSTEM) NOTE: BLDG. IS TO BE SPRINKLED w/AUTO FIRE ALARM NOTIFICATION SYSTEM.	46,500 SF/4 STORY
OCCUPANCY	
LOAD CAPACITY: (autobody) 100/GROSS = 15,000 SF/100 = 150	150 OCCUPANTS

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP S-2 (1)
TABLE 503 TYPE OF CONSTRUCTION	TYPE II B
TABLE 503 AREA/HEIGHT LIMITATIONS (15,500 MAX AREA w/OUT SPRINKLER, 46,500 SF w/AUTO. SPRINKLER SYSTEM) NOTE: BLDG. IS TO BE SPRINKLED w/AUTO FIRE ALARM NOTIFICATION SYSTEM.	46,500 SF/4 STORY
OCCUPANCY	
LOAD CAPACITY: (parts dept.) 100/GROSS = 7,500 SF/100 = 75	75 OCCUPANTS

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP F-1
TABLE 503 TYPE OF CONSTRUCTION	TYPE II B
TABLE 503 AREA/HEIGHT LIMITATIONS (15,500 MAX AREA w/OUT SPRINKLER, 46,500 SF w/AUTO. SPRINKLER SYSTEM) NOTE: BLDG. IS TO BE SPRINKLED w/AUTO FIRE ALARM NOTIFICATION SYSTEM.	46,500 SF/4 STORY
OCCUPANCY	
LOAD CAPACITY: (mechanic shop) 100/GROSS = 12,500 SF/100 = 125	125 OCCUPANTS

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1004.1.2, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP B
TABLE 503 TYPE OF CONSTRUCTION	TYPE II B
TABLE 503 AREA/HEIGHT LIMITATIONS (15,500 MAX AREA w/OUT SPRINKLER, 46,500 SF w/AUTO. SPRINKLER SYSTEM) NOTE: BLDG. IS TO BE SPRINKLED w/AUTO FIRE ALARM NOTIFICATION SYSTEM.	46,500 SF/4 STORY
OCCUPANCY	
LOAD CAPACITY: (business) 100/GROSS = 2,500 SF/100 = 25	25 OCCUPANTS

NORTH FLORIDA TRUCK PARTS

Freeman Design Group inc
161 NW MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386)758-4209
CERTIFICATE OF AUTHORIZATION # 00008701

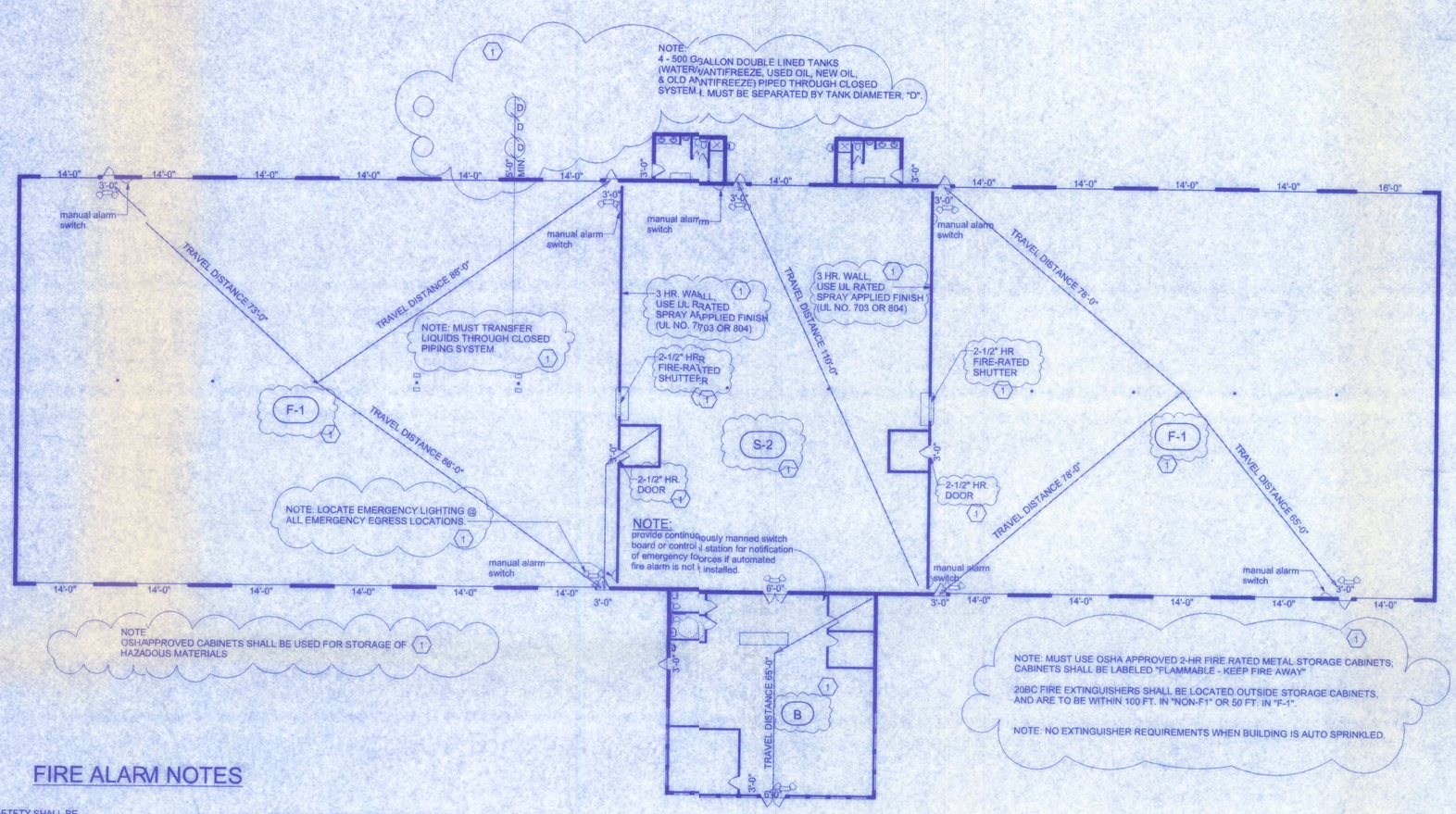
DATE	DRAWN BY
1/11/07	J.T.D.
	APPROVED V.H.F.

REVISIONS
(1) 3/14/07

SHEET A-2 OF 5

PROJECT NO. 05.C022

LIFE COPY



LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

FIRE ALARM NOTES

9.6.1.3 - FIRE ALARM SYSTEM REQUIRED FOR LIFE SAFTETY SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF NFPA 70, NEC, AND NFPA 72, NFAC (NATIONAL FIRE ALARM CODE).

9.6.1.8 - THE FIRE ALARM SYSTEM SHALL PROVIDE FUNCTIONS FOR INITIATION, NOTIFICATION, AND CONTROL, WHICH SHALL PERFORM AS FOLLOWS:
(1) - THE INITIATION FUNCTION PROVIDES THE INPUT SIGNAL TO THE SYSTEM.
(2) - THE NOTIFICATION FUNCTION IS THE MEANS BY WHICH THE SYSTEM ADVISES THAT HUMAN ACTION IS REQUIRED IN RESPONSE TO A PARTICULAR CONDITION.
(3) - THE CONTROL FUNCTION PROVIDES OUTPUTS TO CONTROL BUILDING EQUIPMENT TO ENHANCE PROTECTION OF LIFE.

9.6.2.1 - MANUAL FIRE ALARM BOXES SHALL BE APPROVED FOR THE PARTICULAR APPLICATION AND SHALL BE USED ON LY FOR FIRE-PROTECTIVE SIGNALING PURPOSES. COMBINATION FIRE ALARM AND GUARD'S TOUR STATIONS SHALL BE ACCEPTABLE.

9.6.2.3/4 - A MANUAL FIRE ALARM BOX SHALL BE PROVIDED IN THE NATURAL EXIT ACCESS PATH NEAR EACH REQUIRED EXIT FROM AN AREA. ADDITIONAL MANUAL FIRE ALARM BOXES SHALL BE LOCATED SO THAT NO HORIZONTAL DISTANCE ON THAT FLOOR EXCEEDING 60m (200 FT) SHALL NEED TO BE TRAVERSED TO REACH A MANUAL FIRE ALARM BOX.

9.6.2.5/6 - NOT LESS THAN ONE FIRE ALARM BOX SHALL BE PROVIDED TO INITIATE A FIRE ALARM SIGNAL. THE MANUAL FIRE ALARM BOX SHALL BE LOCATED WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. EACH MANUAL FIRE ALARM BOX ON A SYSTEM SHALL BE ACCESSIBLE, UNOBSTRUCTED, AND VISIBLE.

9.6.2.7 - WHERE A SPRINKLER SYSTEM PROVIDES AUTOMATIC DETECTION AND ALARM SYSTEM INITIATION, IT SHALL BE PROVIDED WITH AN APPROVED ALARM INITIATION DEVICE THAT OPERATES WHEN THE FLOW OF WATER IS EQUAL TO OR GREATER THAN THAT FROM A SINGLE AUTOMATIC SPRINKLER.

9.6.2.8 - AUTOMATIC DETECTION OF SMOKE IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE, SHALL BE PROVIDED IN ALL OCCUPIABLE AREAS, COMMON AREAS, AND WORK SPACES IN ENVIRONMENTS THAT ARE SUITABLE FOR PROPER SMOKE DETECTOR OPERATION.

9.6.2.10.2 - SMOKE ALARMS SHALL RECEIVE THEIR OPERATING POWER FROM THE BUILDING ELECTRICAL SYSTEM.

9.6.3.3 - A PRESIGNAL SYSTEM SHALL BE PERMITTED WHERE THE INITIAL FIRE ALARM SIGNAL IS AUTOMATICALLY TRANSMITTED WITHOUT DELAY TO A MUNICIPAL FIRE DEPARTMENT, TO A FIRE BRIGADE (IF PROVIDED), AND TO AN ON-SITE STAFF PERSON TRAINED TO RESPOND TO A FIRE EMERGENCY.

9.6.3.5 - NOTIFICATION SIGNALS FOR OCCUPANTS TO EVACUATE SHALL BE AUDIBLE AND VISIBLE SIGNALS IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE, AND ICC/ANSI A117.1, AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, OR OTHER MEANS OF NOTIFICATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION SHALL BE PROVIDED.

9.6.3.6 - WHERE OCCUPANTS ARE INCAPABLE OF EVACUATING THEMSELVES BECAUSE OF ARE, PHYSICAL OR MENTAL DISABILITIES, OR PHYSICAL RESTRAINT, THE PRIVATE OPERATING MODE AS DESCRIBED IN NFPA 72, NATIONAL FIRE ALARM CODE, SHALL BE PERMITTED TO BE USED. ONLY THE ATTENDANTS AND OTHER PERSONNEL REQUIRED TO EVACUATE OCCUPANTS FROM A ZONE, AREA, FLOOR, OR BUILDING SHALL BE REQUIRED TO BE NOTIFIED. THE NOTIFICATION SHALL INCLUDE MEANS TO READILY IDENTIFY THE ZONE, AREA, FLOOR, OR BUILDING IN NEED OF EVACUATION.

9.6.3.7/8/10.1/11 - AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL BE OF SUCH CHARACTER AND SO DISTRIBUTED AS TO BE EFFECTIVELY HEARD ABOVE THE AVERAGE AMBIENT SOUND LEVEL THAT EXISTS UNDER NORMAL CONDITIONS OF OCCUPANCY. AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL PRODUCE SIGNALS THAT ARE DISTINCTIVE FROM AUDIBLE SIGNALS USED FOR OTHER PURPOSES IN A GIVEN BUILDING. AUDIBLE AND VISIBLE FIRE ALARM NOTIFICATION APPLIANCES SHALL BE USED ONLY FOR FIRE ALARM SYSTEM OR OTHER EMERGENCY PURPOSES. ALARM NOTIFICATION SIGNALS SHALL TAKE PRECEDENCE OVER ALL OTHER SIGNALS.

9.6.4.1/2 - EMERGENCY FORCES NOTIFICATION SHALL BE PROVIDED TO ALERT THE MUNICIPAL FIRE DEPARTMENT AND FIRE BRIGADE (IF PROVIDED) OF FIRE OR OTHER EMERGENCY. THE FIRE ALARM SYSTEM SHALL BE ARRANGED TO TRANSMIT THE ALARM AUTOMATICALLY VIA ANY OF THE FOLLOWING MEANS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AND SHALL BE IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE:
(1) AUXILIARY ALARM SYSTEM
(2) CENTRAL STATION CONNECTION
(3) PROPRIETARY SYSTEM
(4) REMOTE STATION CONNECTION

9.6.5.1/2 - - A FIRE ALARM AND CONTROL SYSTEM SHALL BE ARRANGED TO ACTUATE AUTOMATICALLY THE CONTROL FUNCTIONS NECESSARY TO MAKE THE PROTECTED PREMISES SAFER FOR BUILDING OCCUPANTS. THE FOLLOWING FUNCTIONS SHALL BE ACTUATED BY THE COMPLETE FIRE ALARM SYSTEM:
(1) RELEASE OF HOLD-OPEN DEVICES FOR DOORS OR OTHER OPENING PROTECTIVES.
(2) STAIRWELL OR ELEVATOR SHAFT PRESSURIZATION.
(3) SMOKE MANAGEMENT OR SMOKE CONTROL SYSTEMS.
(4) EMERGENCY LIGHTING CONTROL.

9.6.6 - OPERATOR CONTROLS, ALARM INDICATORS, AND MANUAL COMMUNICATIONS CAPABILITY SHALL BE INSTALLED IN A CONTROL CENTER AT A CONVENIENT LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

9.6.7.2/3/4.2/4.3 - ALARM ANNUNCIATION AT THE CONTROL CENTER SHALL BE BY MEANS OF AUDIBLE AND VISIBLE INDICATORS. FOR THE PURPOSES OF ALARM ANNUNCIATION, EACH FLOOR OF THE BUILDING, OTHER THAN FLOORS OF EXISTING BUILDINGS, SHALL BE CONSIDERED AS NOT LESS THAN ONE ZONE. WHERE THE BUILDING IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13, THE AREA OF THE FIRE ALARM ZONE SHALL BE PERMITTED TO COINCIDE WITH THE ALLOWABLE AREA OF THE SPRINKLER SYSTEM. WHERE THE BUILDING IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13R, THE SPRINKLER SYSTEM SHALL BE PERMITTED TO BE ANNUNCIATED ON THE FIRE ALARM SYSTEM AS A SINGLE ZONE.

9.6.7.5/6 - - A SYSTEM TROUBLE SIGNAL SHALL BE ANNUNCIATED AT THE CONTROL CENTER BY MEANS OF AUDIBLE AND VISIBLE INDICATORS. A SYSTEM SUPERVISORY SIGNAL SHALL BE ANNUNCIATED AT THE CONTROL CENTER BY MEANS OF AUDIBLE AND VISIBLE INDICATORS.

9.7.1.1 - EACH AUTOMATIC SPRINKLER SHALL BE IN ACCORDANCE WITH ONE OF THE FOLLOWING:
(1) NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.
(2) NFPA 13R, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN RESIDENTIAL OCCUPANCIES UP TO AND INCLUDING FOUR STORIES IN HEIGHT.

9.7.2.1/2 - SUPERVISORY SIGNALS: SUPERVISORY ATTACHMENTS SHALL BE INSTALLED AND MONITORED FOR INTEGRITY IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE, AND A DISTINCTIVE SUPERVISORY SIGNAL SHALL BE PROVIDED TO INDICATE A CONDITION THAT WOULD IMPAIR THE SATISFACTORY OPERATION OF THE SPRINKLER SYSTEM. SYSTEM COMPONENTS AND PARAMETERS THAT SHALL BE MONITORED SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, CONTROL VALVES, WATER TANK LEVELS AND TEMPERATURES, TANK PRESSURE, AND AIR PRESSURE ON DRY-PIPE VALVES. SUPERVISORY SIGNALS SHALL SOUND AND SHALL BE DISPLAYED EITHER AT A LOCATION WITHIN THE PROTECTED BUILDING THAT IS CONSTANTLY ATTENDED BY QUALIFIED PERSONNEL OR AT AN APPROVED, REMOTELY LOCATED RECEIVING FACILITY. WATERFLOW ALARMS SHALL BE TRANSMITTED TO AN APPROVED, PROPRIETARY ALARM-RECEIVING FACILITY, A REMOTE STATION, A CENTRAL STATION, OR THE FIRE DEPARTMENT.

9.7.5 - ALL AUTOMATIC SPRINKLER AND STANDPIPE SYSTEMS SHALL BE INSPECTED, TESTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 25, STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS.

9.7.6.1 - WHERE A REQUIRED AUTOMATIC SPRINKLER SYSTEM IS OUT OF SERVICE FOR MORE THAN 4 HOURS IN A 24-HOUR PERIOD, THE AUTHORITY HAVING JURISDICTION SHALL BE NOTIFIED, AND THE BUILDING SHALL BE EVACUATED OR AN APPROVED FIRE WATCH SHALL BE PROVIDED FOR ALL PARTIES LEFT UNPROTECTED BY THE SHUTDOWN UNTIL THE SPRINKLER SYSTEM HAS BEEN RETURNED TO SERVICE.

PROPER DOCUMENTATION, RECORD KEEPING, AND SPECIAL TESTING AND INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 9.7.7, 9.7.8 AND 9.8.1-3 OF THE LIFE SAFETY CODE HANDBOOK, 2003 EDITION.

Will Khan 3/2007

NORTH FLORIDA TRUCK PARTS

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	APPROVED W.I.F.
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