GENERAL NOTES

A. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.

B. THE CONTRACTOR SHALL WORK STRUCTURAL DRAWINGS TOGETHER WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, GRADES, ETC. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

C. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

D. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.

DESIGN CRITERIA

- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 – 89(92))
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530 – 92)
- AISC "MANUAL OF STEEL CONSTRUCTION" – NINTH EDITION
- AWSD D 1.1 "STRUCTURAL WELDING CODE" – LATEST EDITION
- AISI DESIGN FOR COLD FORMED STEEL STRUCTURAL MEMBERS 1996 W/1999 ADDENDUM
- ANSI / ASCE 7–98 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

CONCRETE

ALL CONCRETE SHALL BE DESIGNED TO SECURE A STRENGTH OF 2000 PSI AT 28 DAYS.

PROVIDE MINIMUM COVER FOR REINFORCING BARS, UNLESS OTHERWISE INDICATED:

FOOTINGS (TO GROUND)	3"
FOOTINGS (TOP AND SIDE)	3"
SLABS ON GRADE:	2"
SIDEWALKS:	2"

ALL BAR SPLICES AND DOWELS SHALL LAP 30 BAR DIAMETERS (MINIMUM) UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMED TO ASTM–A615, GRADE 60.

ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH, PANEL PLUS TWO INCHES AT SIDES AND ENDS AND SHALL BE WIRED TOGETHER.

ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF ACI 318 AND ACI 315. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

EARTHWORK

ALL EXCAVATION AND BACK FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICA REPORT.

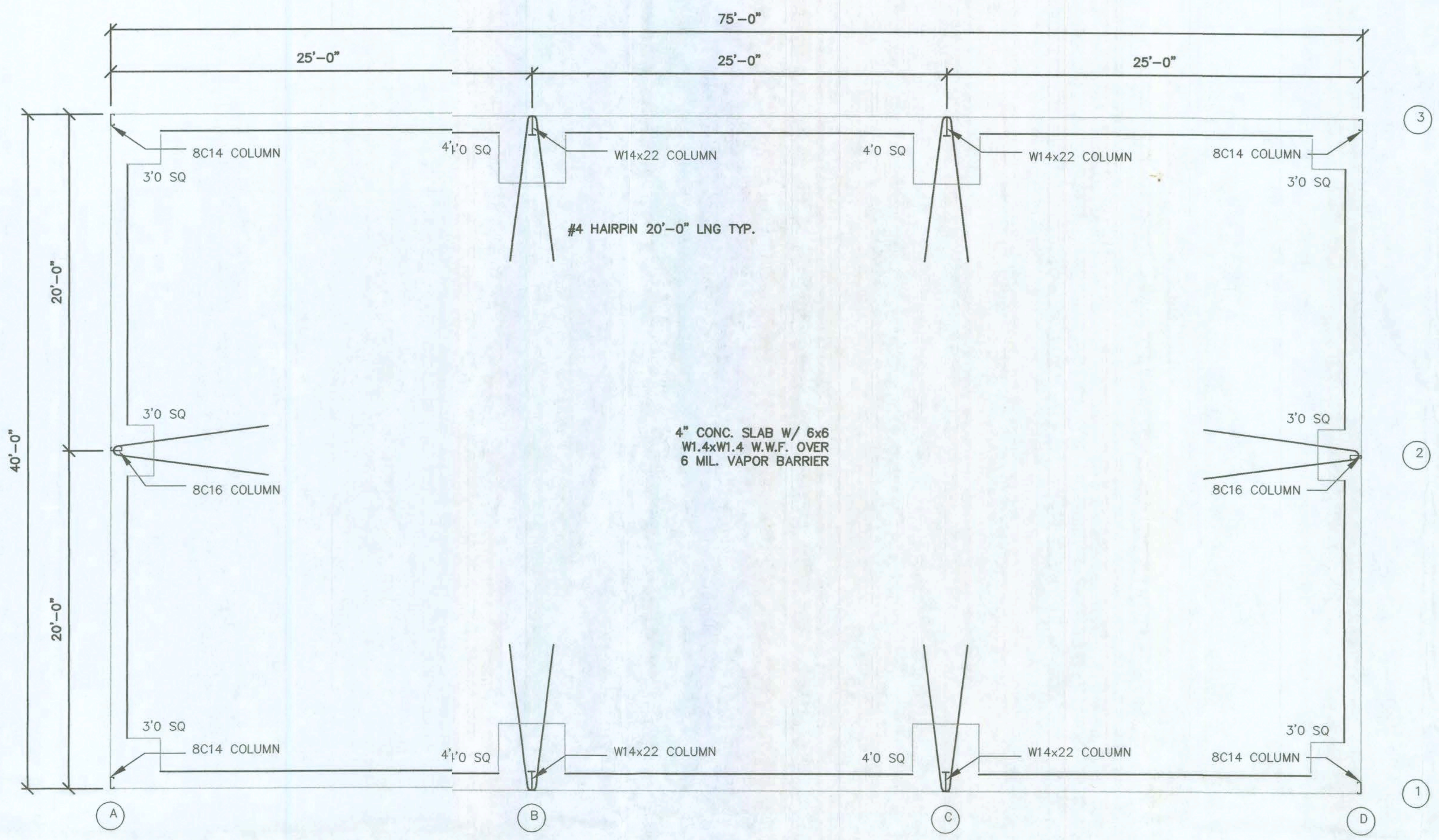
CONCRETE SHALL BE PLACED AS SOON AS PRACTICAL AFTER SOIL PREPARATION AND COMPACTIN SO AS NOT TO ALLOW THE ELEMENTS OR CONSTRUCTION ACTIVITY TO DISTURB THE PREPARED AEA.

UNDER NO CIRCUMSTANCES WILL DIGGING, TUNNELING, OR TRENCHING BE ALLOWED AT OR NEAR ANY CONCRETE STRUCTURE WHICH MIGHT ACT TO UNDERMINE THE STRUCTURE.

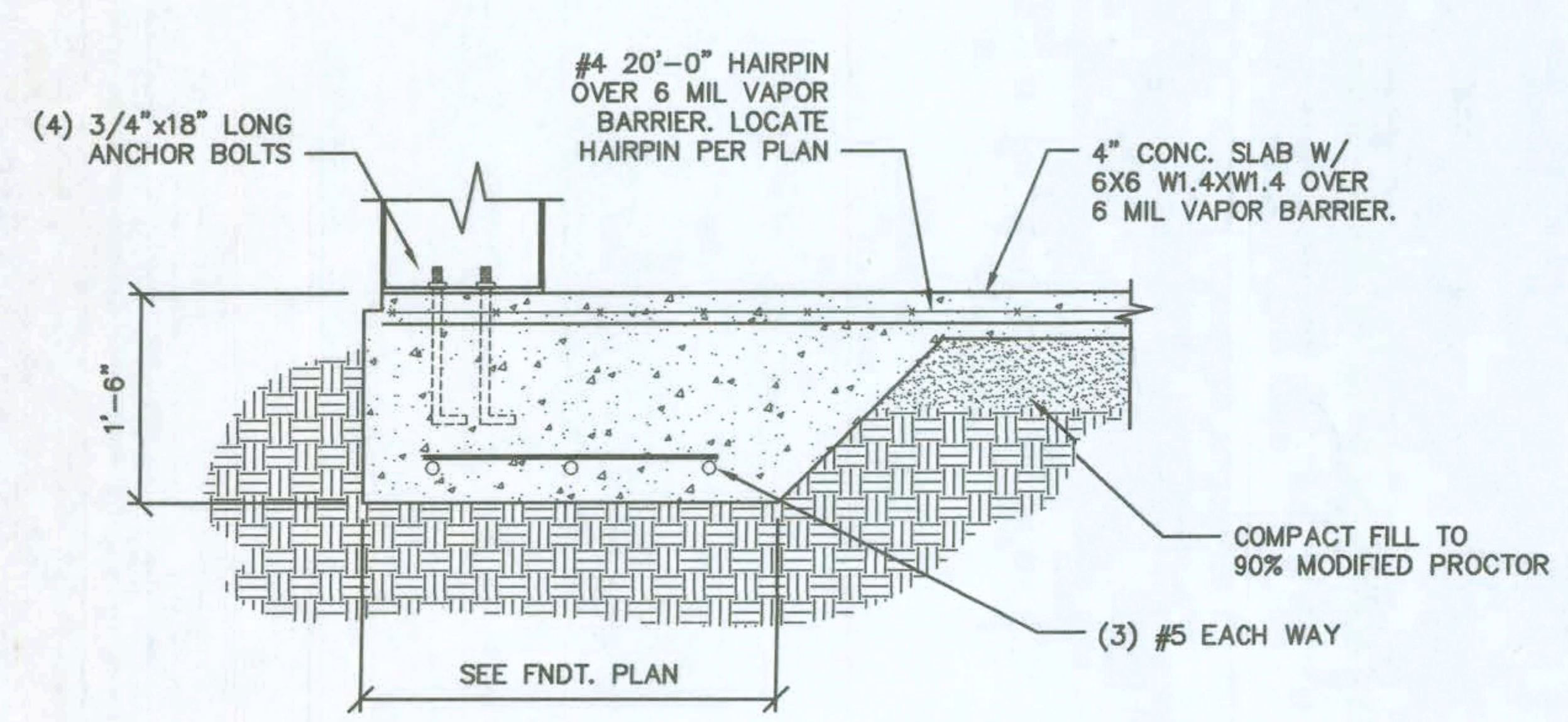
FOUNDATIONS ARE DESIGNED TO BEAR ON SOIL WHICH PROVIDES A SAFE BEARING CAPACITY OF 2,000 PSF.

DESIGN LOADS

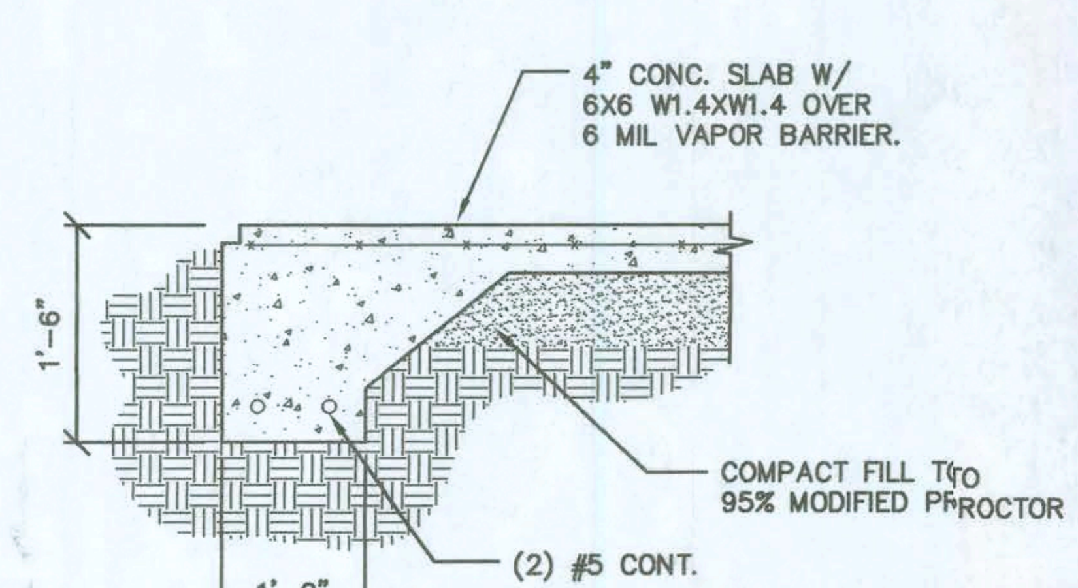
LIVE LOAD	ROOF – 20 PSF FOR STRUCTURAL MEMBERS WITH A TRIBUTARY AREA GREATER THAN 200 SF – 16 PSF
DEAD LOAD	ROOF – 5 PSF
WIND LOAD	BASIC WIND SPEED – 110 MPH EXPOSURE CATEGORY – C
2004 FLORIDA BUILDING CODE	IMPORTANCE FACTOR – 1.0



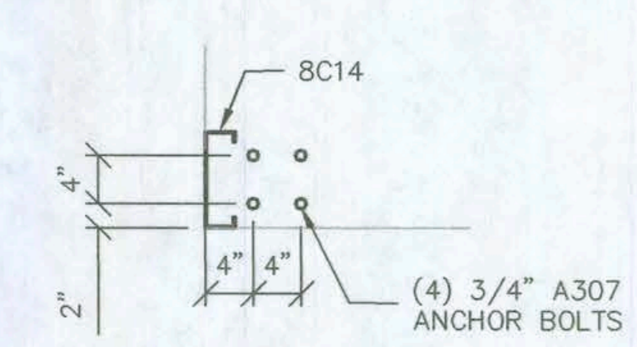
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



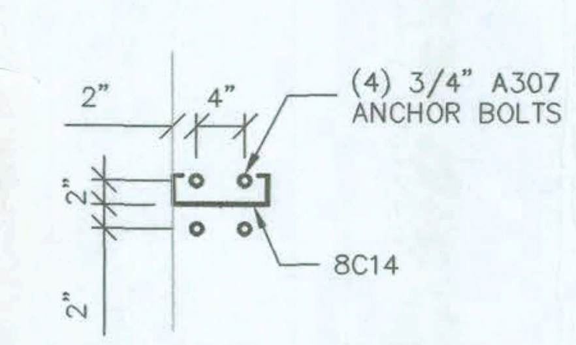
COLUMN FOOTER DETAIL
SCALE: 3/4"=1'-0"



CONT. FOOTER DETAIL
SCALE: 3/4"=1'-0"



A.B. DETAIL @ END WALLS A&D (1,3)
SCALE : 3/4" = 1'-0"



A.B. DETAIL @ END WALLS A&D (2)
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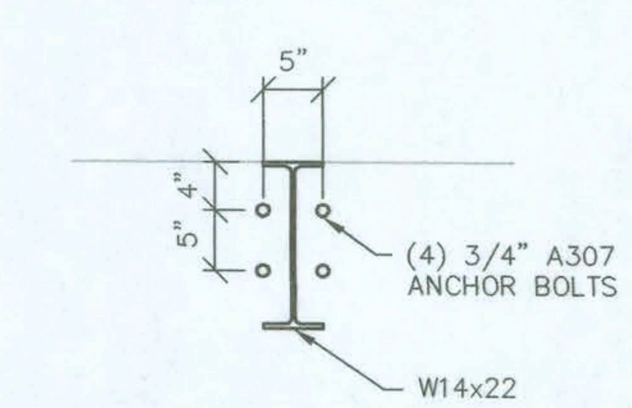

A.B. DETAIL @ SIDE WALLS B-C(1,3)
SCALE : 3/4" = 1'-0"

PROJECT No. 92–0508

DATE: SEPT., 2005

SCALE: AS NOTED

DRAWN BY: J. WELLS

APPROVED BY: P. SANTORA

REVISIONS:
REVISION A: 3–30–06
REV. WINDLOAD TO 110 MPH
FOOTER SIZE INCREASE
ADDED GIRT @ 4'–0"

T.C. CABINETS
UNION LASTEEL METAL BUILDINGS
FOUNDATION PLAN
40'-0" X 75'-0" BUILDING
COLUMBIA CO., FL

Northstar Engineering Services
MUNICIPAL DESIGN, AIRPORT DESIGN, SITE PLANNING AND DEVELOPMENT, SUBDIVISIONS, AND SURVEYING
PHONE (334)673–9895
FAX (334) 673–1846
2431 HARTFORD HWY DOTHAN, ALABAMA 36305

AL CERT. OF AUTH. CA–1896–E
FL CERT. OF AUTH. 26312
GA CERT. OF AUTH. 003129

SHEET 1 OF 3

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GENERAL NOTES

A. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.

B. THE CONTRACTOR SHALL WORK STRUCTURAL DRAWINGS TOGETHER WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, GRADES, ETC. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

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D. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.

DESIGN CRITERIA

- FLORIDA BUILDING CODE – 2001 2ND EDITION
- AISC "MANUAL OF STEEL CONSTRUCTION" – NINTH EDITION
- AWSD D 1.1 "STRUCTURAL WELDING CODE" – LATEST EDITION
- **AISI DESIGN FOR COLD FORMED STEEL STRUCTURAL MEMBERS 1996 W/1999 ADDENDUM**
- **ANSI / ASCE 7-98 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"**

DESIGN LOADS

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DEAD LOAD	ROOF – 5 PSF
WIND LOAD	BASIC WIND SPEED – 110 MPH EXPOSURE CATEGORY – C
2004 FLORIDA BUILDING CODE	IMPORTANCE FACTOR – 1.0

COLUMN REACTIONS (KIPS)

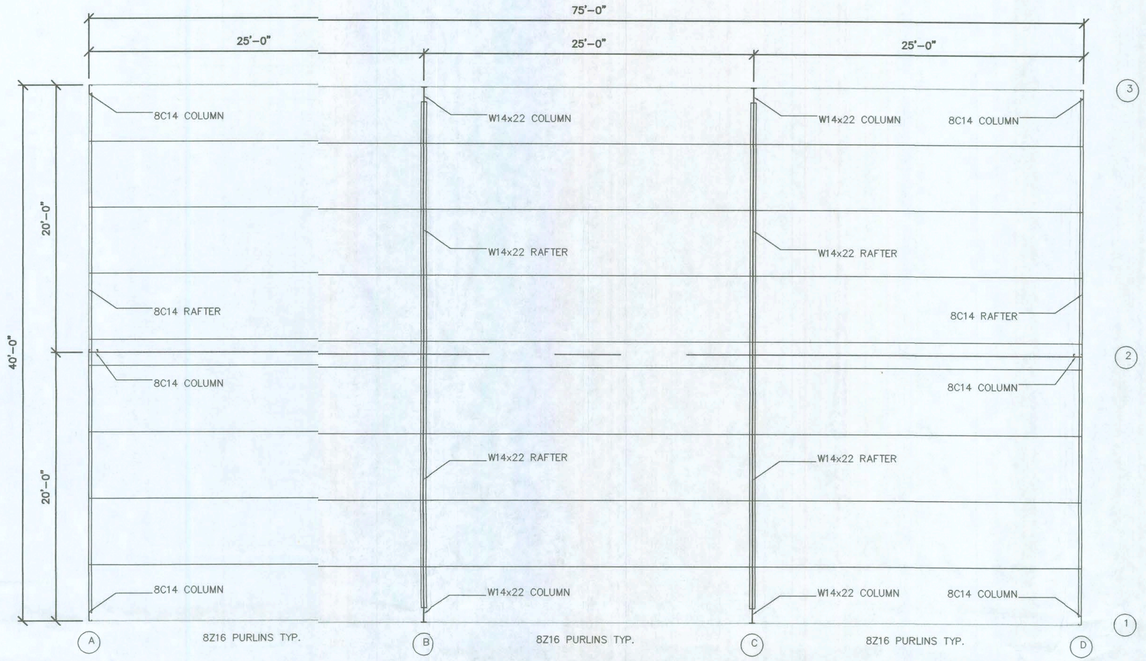
COLUMN	DL + LL	DL + WL
A,D (1,3)	7.8 ↓	7.95 ↑
A,D (2)	0 ↓	0 ↑
B–C (1,3)	6.5 ↓	6.58 ↑

DESIGN NOTE:

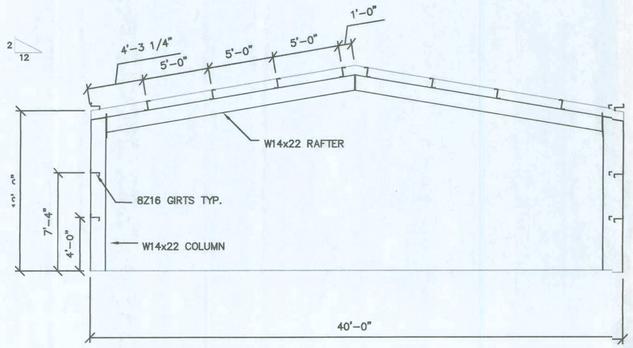
FRAMED OPENINGS AND ALL OTHER CLADDING AND COMPONENTS MUST BE DESIGNED FOR THE FOLLOWING WIND PRESSURES (psf):

ROOF:
INTERIOR ZONE– (+11.6) (–29.6)
END ZONE– (+11.6) (–45.6)
CORNER– (+11.6) (–63.6)

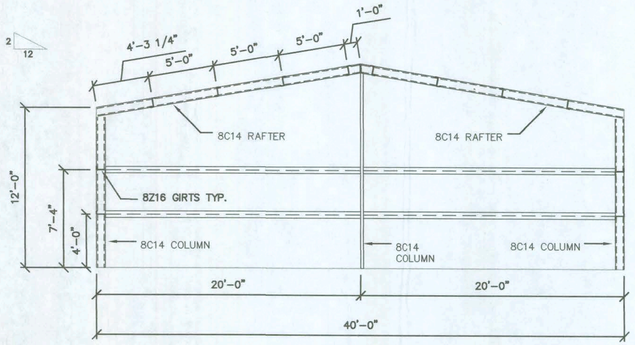
WALL:
INTERIOR ZONE– (+29.0) (–31.6)
END ZONE– (+29.0) (–38.0)



ROOF PLAN
SCALE: 3/16" = 1'–0"



FRAME DETAIL (LINES B–C)
SCALE: 3/16" = 1'–0"



FRAME DETAIL (LINES A&D)
SCALE: 3/16" = 1'–0"

PROJECT No.
92–0508

DATE: SEPT., 2005

SCALE: AS NOTED

DRAWN BY:
J. WELLS

APPROVED BY:
P. SANTORA

REVISIONS:

REVISION A: 3–30–06
REV. WINDLOAD TO 110 MPH
FOOTER SIZE INCREASE
ADDED GIRT @ 4'–0"

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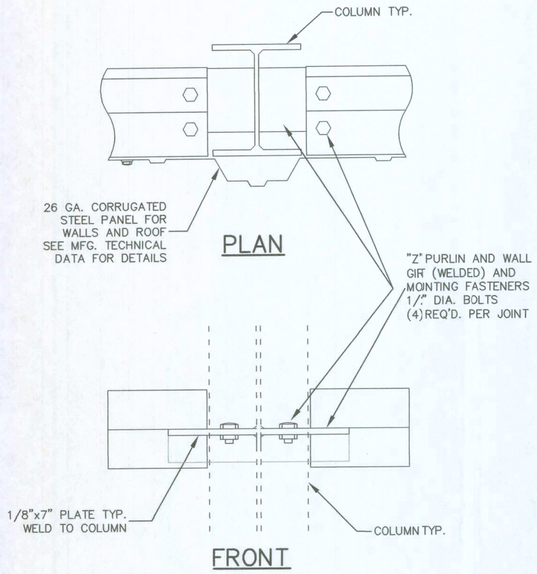
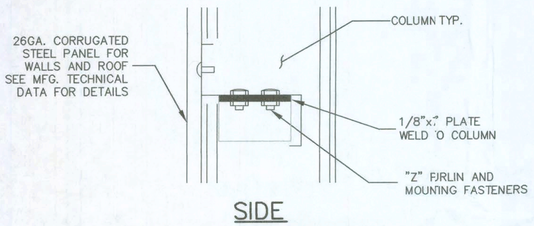
Richard E. Santora
9-12-06

SHEET 2
OF 3



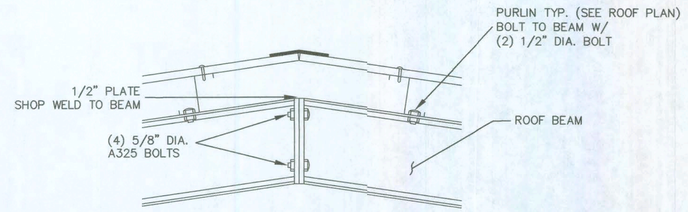
PLAN

FRONT



SIDE

JOINT DETAIL #1
NOT TO SCALE



JOINT DETAIL #2
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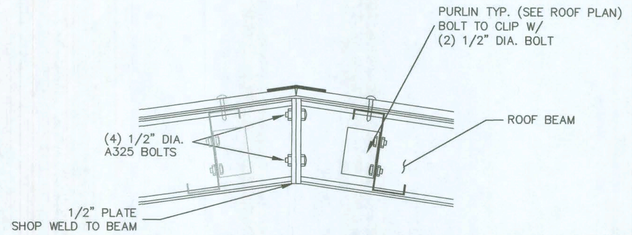
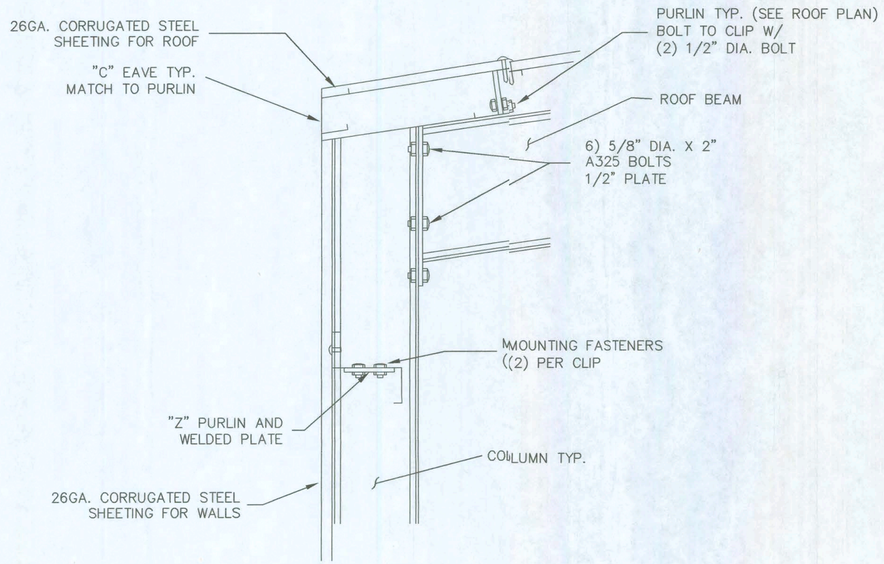
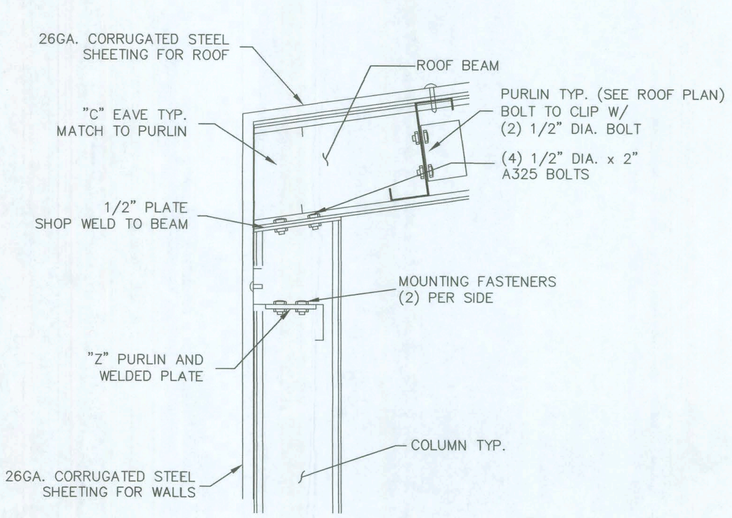


JOINT DETAIL #3
NOT TO SCALE



JOINT DETAIL #4
NOT TO SCALE



JOINT DETAIL #5
NOT TO SCALE

PROJECT No.
92-0508
DATE: SEPT., 2005
SCALE: AS NOTED

DRAWN BY:
J. WELLS
APPROVED BY:
P. SANTORA

REVISIONS:

T.C. CABINETS
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DETAILS
40'-0" X 75'-0" BUILDING
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Ricky Carter
1-21-06

SHEET 3
OF 3

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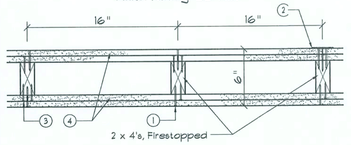
Design No. U301

Bearing Wall Rating-2 Hr.
Finish Rating-66 Min.



1. Nailheads - Exposed or covered with joint finisher.

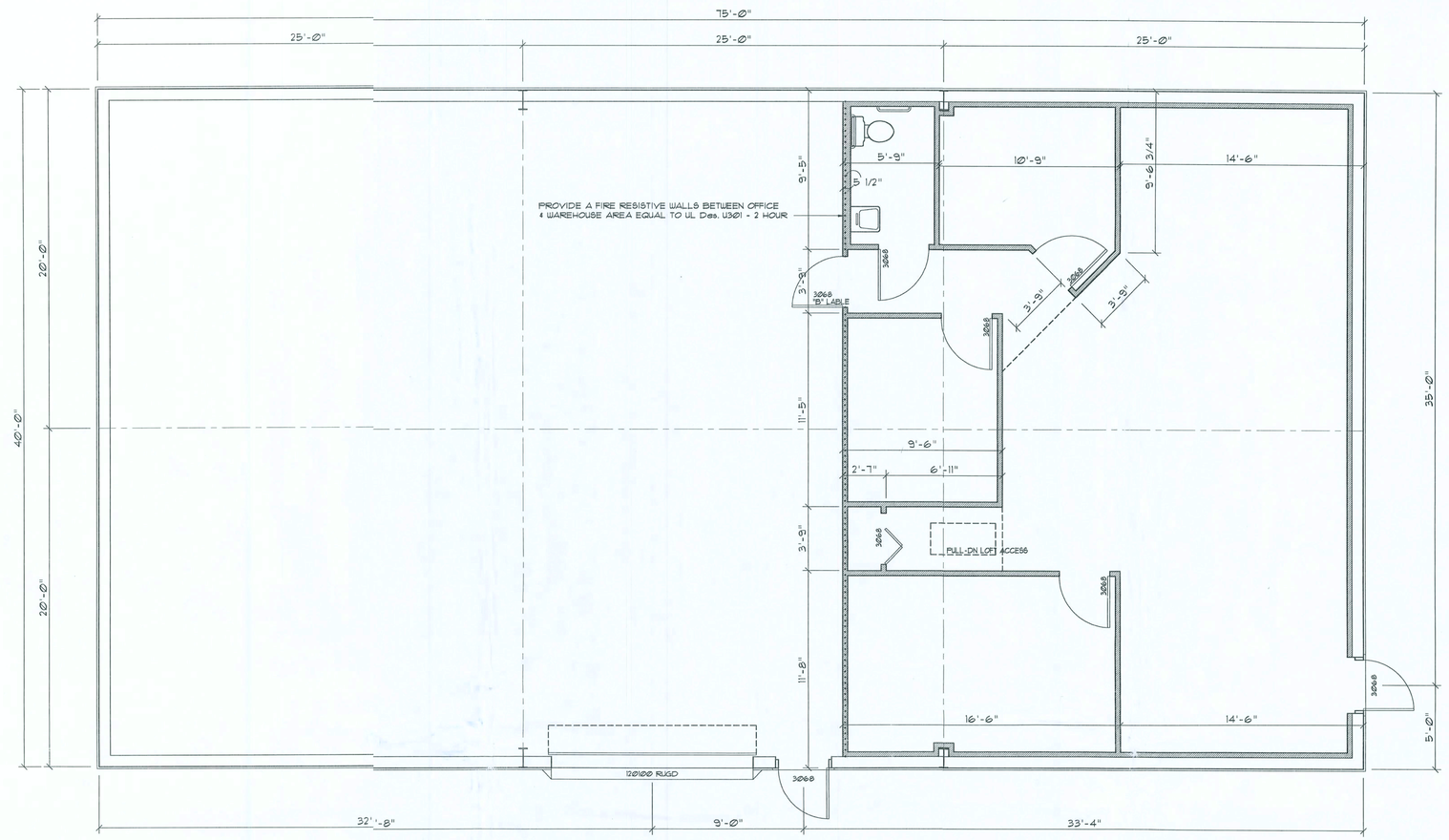
2. Joints - Exposed or covered with fiber tape and joint finisher. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

3. Nails - 6d cement-coated nails 1-7/8 in. long, Ø.0915 in shank diam., 1/4 in. diam. heads, and 8d cement-coated nails 2-3/8 in. long, Ø.113 in. shank diam, 9/32 in. diam. heads.

4. Wallboard, Gypsum* - 5/8 in. thick, two layers applied either horizontally or vertically, inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. O.C. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. O.C. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.

Canadian Gypsum Co., Ltd. - Types C, SCX, SHX, WRX.
Celotex Corp. - Type I or FAP.
Domtar Gypsum - Type C, 4 or 9.
Gold Bond Building Products - Types FSK, FSK-G, -4, FSI, FSW-G, or -4.
James Hardie Gypsum - Type Fire X.
Pabco Gypsum, A Div. of Pacific Coast Bldg. Products Inc. - Types PG-2, -3, -3W, -3WS, -4 or -6.
Standard Gypsum Corp. - Type SGC or SGC-G.
United States Gypsum Co. - Type C, IP-X1, IP-X2, SCX, SC, SHX, WRX-C, or WRX.

*Bearing the UL Classification Marking

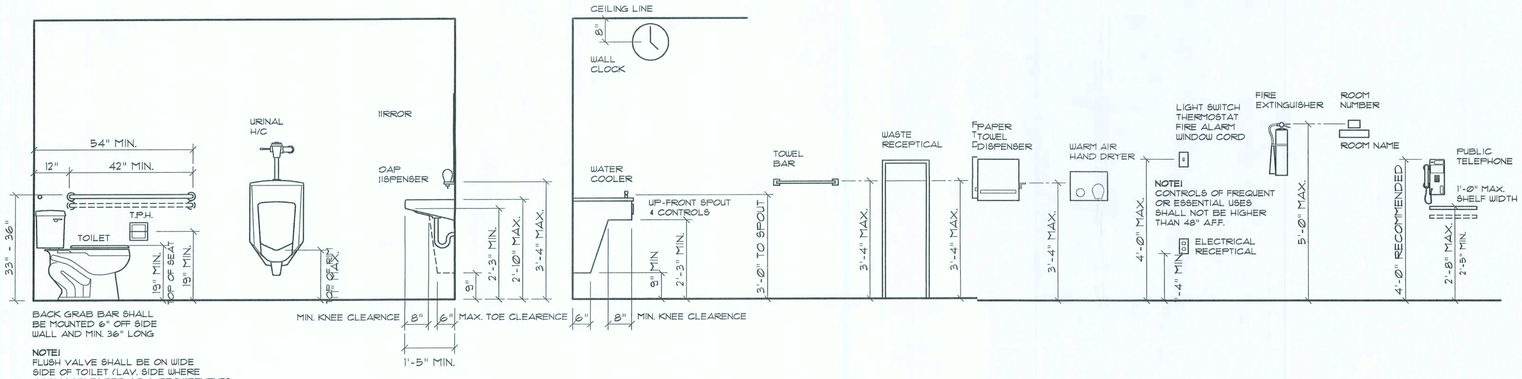


DIMENSION PLAN

SCALE: 1/4" = 1'-Ø"

NOTE!
ALL INTERIOR PARTITION WALLS ARE 3 1/2" THICK, UNLESS NOTED OTHERWISE.

NOTE!
REFER TO ENGINEERED METAL BUILDING SHOP DRAWINGS AND FOUNDATION PLAN PER NORTHSTAR ENGINEERING SERVICES



STANDARD MOUNTING PER A.D.A. REQUIREMENTS

SCALE: 1/2" = 1'-Ø"

A.D.A NOTES: ACCESSIBILITY

RESTROOM NOTES

WATERCLOSETS: SHALL COMPLY WITH SEC. 4.16 OF ADA
HEIGHT OF SEAT SHALL BE IN ACCORDANCE WITH SEC. 4.16.3 OF ADA
FLUSH CONTROLS SHALL BE IN ACCORDANCE WITH SEC. 4.16.5 OF ADA

GRAB BARS: SHALL COMPLY WITH SEC. 4.16.4 OF ADA

DISPENSERS: SHALL COMPLY WITH SEC. 4.16.6 OF ADA

LAVATORIES, SINKS & MIRRORS: SHALL COMPLY W/ SECTION 4.19 OF ADA
HEIGHTS SHALL COMPLY WITH SEC. 4.19.2.1 OF ADA
EXPOSED PIPES & SURFACES SHALL COMPLY W/ SECTION 4.19.4 OF ADA
FAUCETS SHALL COMPLY WITH SEC. 4.19.5 OF ADA
MIRRORS SHALL COMPLY WITH SEC. 4.19.6 OF ADA

OWNER SELECTED MATERIAL AND INSTALLATION OF FINISH FLOORING MATERIALS TO COMPLY WITH THE FOLLOWING:

SEC. 4.5 OF ADA
SEC. 4.3 OF ADA
APPLICABLE SECTIONS OF NFPA FIRE CODES
APPLICABLE SECTIONS OF NFPA 101-LATEST LIFE SAFETY CODE

FIXTURES, DEVICES AND RELATED HARDWARE NOT SPECIFICALLY DEFINED OR MENTIONED ELSEWHERE ARE TO BE OWNER SELECTED AND INSTALLED TO COMPLY WITH THE ABOVE APPLICABLE ADA SECTIONS.

REVISION:

DRAWN:
NPG

SHOWROOM AND WAREHOUSE for:
T. C. CABINETS
COLUMBIA COUNTY, FLORIDA
DIMENSION PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-758-9021

DATE:
25 APR 2006
COMM#
2K621

SHEET:
A.1
1 OF 3

26 APR 2006
AR0007005

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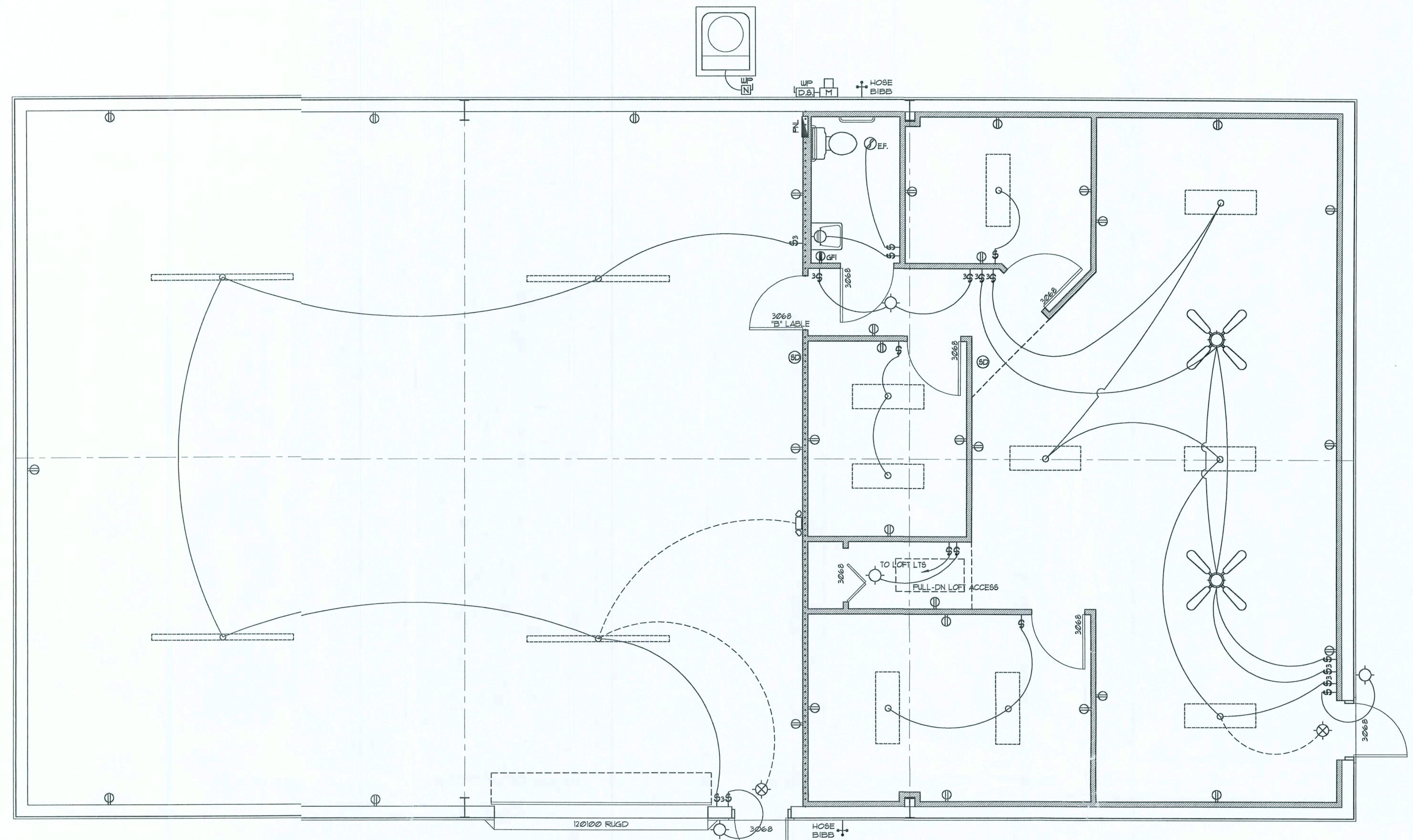
ELECTRICAL NOTES: General

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 REPRESENTATIVE 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 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.

Electrical SYMBOLS

- $ SPST WALL SWITCH
- $3 DPDT WALL SWITCH (3-WAY)
- DUPLEX WALL RECEPTACLE
- GFI GND FAULT INTERRUPTER DUPLEX RECEPT.
- PNL ELECTRICAL PANEL
- EF. EXHAUST FAN
- CEILING FAN, W/ INC. LIGHT FIXTURE
- INC. LIGHT FIXTURE
- FLU. STRIP LIGHT, 2 TUBE
- 4 TUBE FLU. PRISMATIC WRAP SURFACE FIXTURE
- SD SMOKE DETECTOR, 120V
- SWITCH/FIXTURE WIRING
- CONTROL WIRE - LOW VOLTAGE
- N NON-FUSED DISC. SWITCH



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

ELECTRICALPLAN

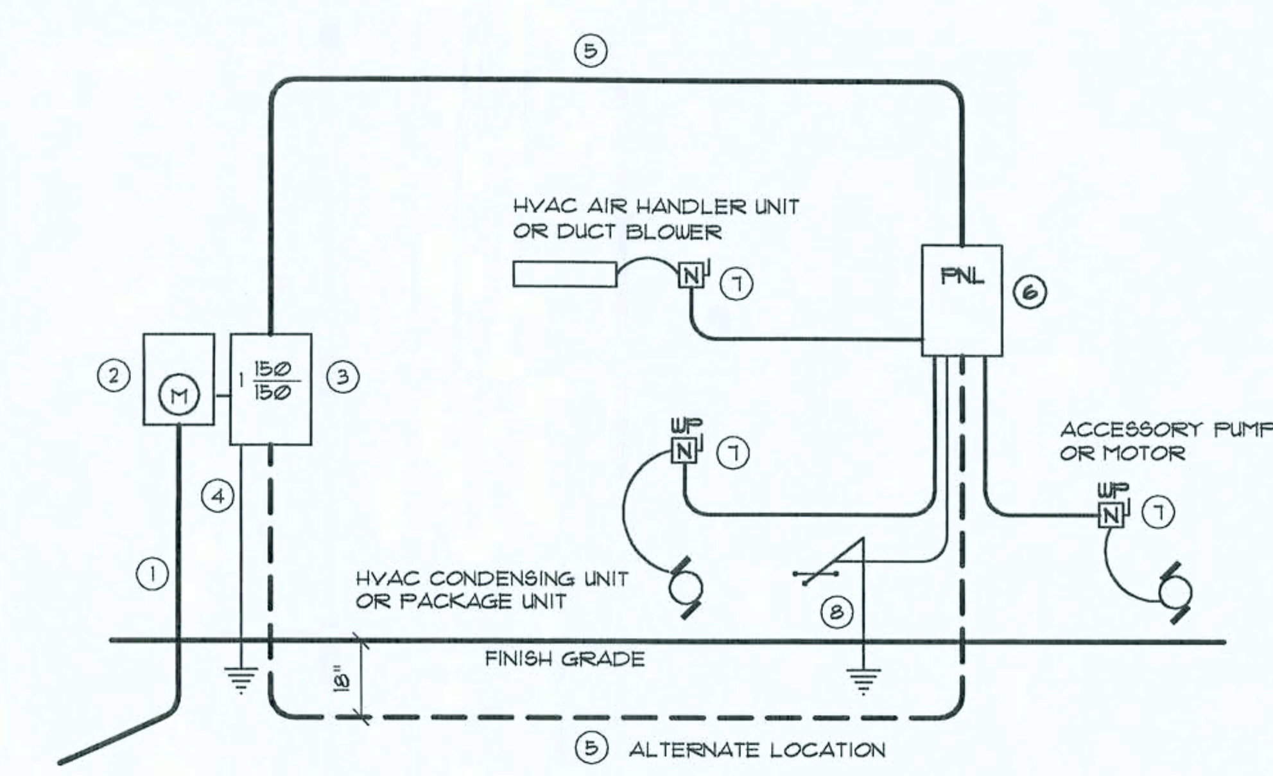
SCALE: 1/4" = 1'-0"

NOTE!
ELECTRICAL CONT'R 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 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.

PNL "A": 150A - MLO - 120/240V - 1ϕ - 4W
10K A.I.C. - FLUSH - 40 SLOT

CIR. Nr.	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	L1 KW	L2 KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. Nr.
1	WAREHOUSE RECEPT	20A/1P	12TW	0.90	1.98	-	1.08	12TW	20A/1P	GP RECEPT	2
3	"	"	"	0.72	-	1.80	1.08	"	"	"	4
5	WAREHOUSE FLU LTS	"	"	0.80	1.88	-	1.08	"	"	"	6
7	REST ROOM	"	"	0.36	-	1.44	1.08	"	"	"	8
9	CLG FANS	"	"	0.90	1.90	-	1.00	"	"	FLU LTS	10
11	SPARE	-	-	0.54	-	1.52	0.98	"	"	" AND LOFT LTS	12
13	"	-	-	0.54	1.08	-	0.54	-	-	SPARE	14
15	HVAC CU	30A/2P	10TW	(1.80)	-	5.40	5.40	6TW	50A/2P	HVAC AHU	16
17	W/ CIR Nr. 15	-	"	(1.80)	5.40	-	5.40	"	-	W/ CIR Nr. 16	18
19	SPARE	-	-	0.54	-	1.08	0.54	-	-	SPARE	20
21	SPACE	-	-	0.00	0.00	-	0.00	-	-	SPACE	22
23	↓	↓	↓	↓	-	0.00	↓	↓	↓	↓	24
25					0.00	-					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
L1	12.24 KW / 120 V = 102.0 AMPERS				12.24	11.24					
L2	11.24 KW / 120 V = 93.67 AMPERS										

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



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: ⅝" ϕ 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. 150 AMPERE SERVICE: 3-#2/0-USE-Cu, 1-#4-Cu-GND, 2" Conduit.
6. House Panel (PNL), U.L. Lised, sized per schedule.
7. Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
8. Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

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

ELECTRICAL RISER DIAGRAM: 150A

SCALE: NONE

REVISION:

DRAWN: NPG

SHOWROOM AND WAREHOUSE for:
T. C. CABINETS
COLUMBIA COUNTY, FLORIDA
ELECTRICAL PLAN

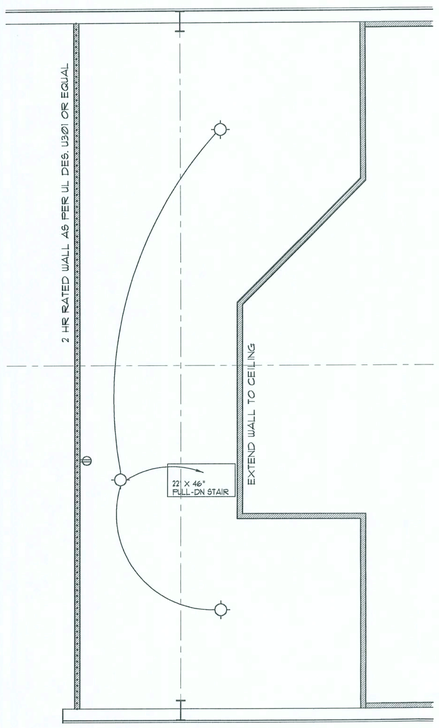
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9021

DATE: 15 APR 2006

COMM: 2K621

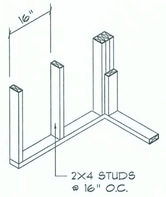
SHEET: A.2
2 OF 3

26 APR 2006
AR0007005

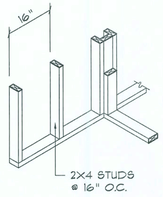


LOFT PLAN

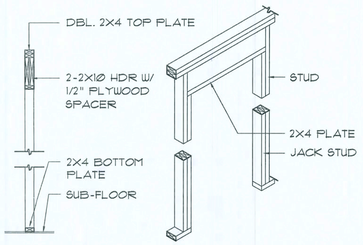
SCALE: 1/4" = 1'-0"



WALL CORNER

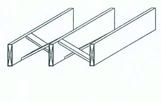


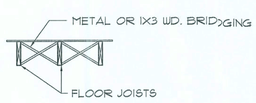
WALL INTERSECTION



BEARING WALL HEADER

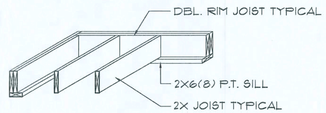
NAIL BRIDGING STRIPS AT TOP, BUT NOT AT BOTTOM, INSTALL SUB-FLOOR THEN SECURELY NAIL BRIDGING IN PLACE AFTER FRAMING IS COMPLETE.





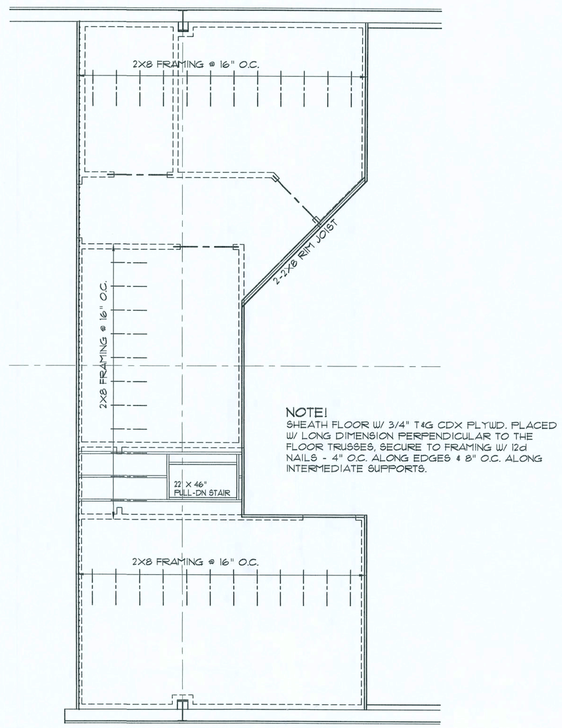
TYPICAL CROSS BRIDGING

NOTE: ALTERNATE BRIDGING MAY BE ACCOMPLISHED W/ SECTIONS OF FLOOR JOIST MATERIAL PLACED PERPENDICULAR TO JOISTS, STAGGERED ALONG THE LINE OF BRIDGING.



TYPICAL 1st FLOOR FRAMING

NOTE: SEE PLANS FOR SIZE & SPACING



NOTE!
SHEATH FLOOR W/ 3/4" T&G CDX PLYWD. PLACED W/ LONG DIMENSION PERPENDICULAR TO THE FLOOR TRUSSES, SECURE TO FRAMING W/ 12d NAILS - 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS.

LOFT FRAMING PLAN

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

WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N°2 HEM-FIR OR BETTER.
3. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

REVISION:

DRAWN:
MP8

SHOWROOM AND WAREHOUSE for:
T. C. CABINETS
COLUMBIA COUNTY, FLORIDA
LOFT FRAMING & DETAILS

NICHOLAS PAUL GEISLER
ARCHITECT
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