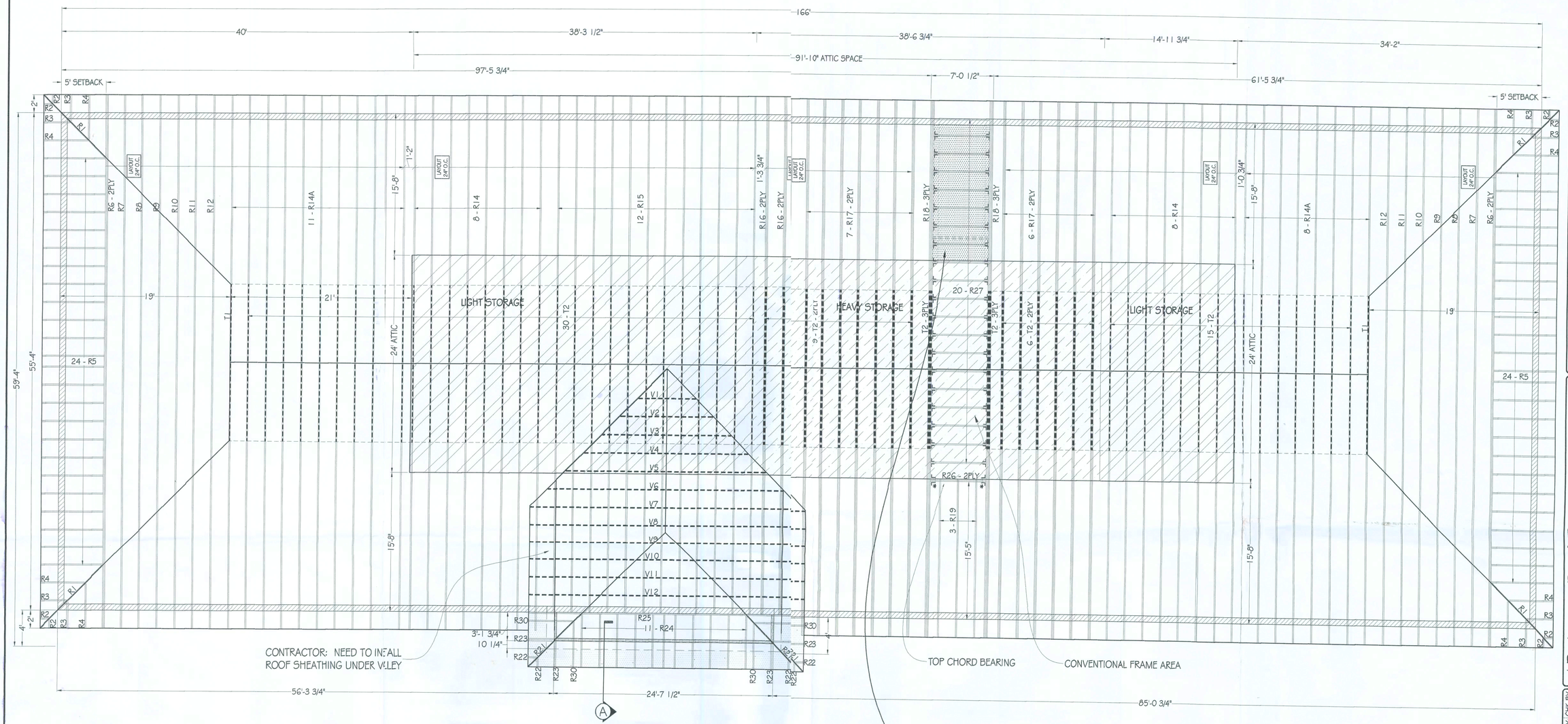
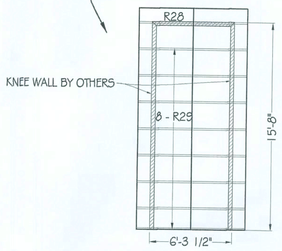


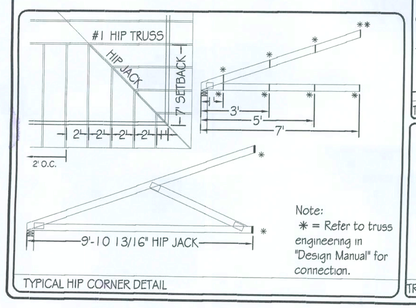
CONTRACTOR: NEED TO INSTALL ROOF SHEATHING UNDER VALLEY

TOP CHORD BEARING

CONVENTIONAL FRAME AREA

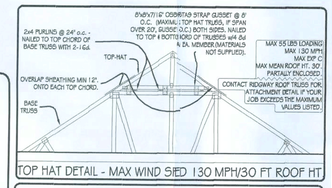


TRUSSES FOR OVER STAIRWAY AREA

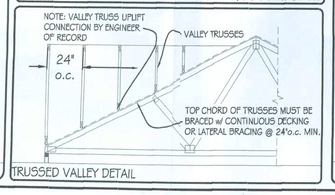


Note:
* = Refer to truss engineering in "Design Manual" for connection.

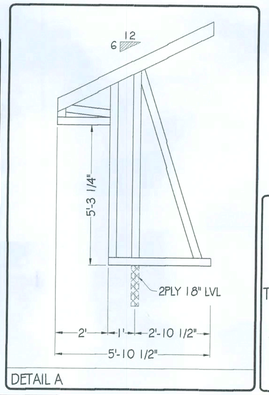
TYPICAL HIP CORNER DETAIL



TOP HAT DETAIL - MAX WIND SPED 130 MPH/30 FT ROOF HT



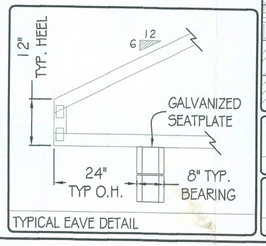
TRUSSED VALLEY DETAIL



DETAIL A

"DISCLAIMER"

PLUMBING / HVAC OPENINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER TO VERIFY ALL LOCATIONS BEFORE BUILDING TRUSSES AND SETTING TRUSSES.



TYPICAL EAVE DETAIL

LEGEND

- SUPPLIED BEAM
- BEAM BY OTHERS
- VALLEY / FIELD FRAMING
- PLUMBING DROP
- SLOPED CEILING
- RAISED FLAT CEILING
- 10'-0" BEARING HEIGHT
- 14'-0" BEARING HEIGHT
- 11'-9" BEARING HEIGHT
- 25 PSF LIFE LOAD ATTIC
- 125 PSF LIFE LOAD ATTIC

SYMBOL: ⌋L — For Nailing: See Simpson Catalog or Call 1-800-999-5099
QTY: 38
SIMPSON HU526

SYMBOL: ⌋L* — For Nailing: See Simpson Catalog or Call 1-800-999-5099
QTY: 2
SIMPSON HHU526-2

"ATTENTION"

1. LIMITED RESPONSIBILITY OF ROOF TRUSS MANUFACTURER. SEE WTCA 1-1995, SECTION 6.0, FOUND IN DESIGN MANUAL.

2. WARNING FAILURE TO FOLLOW RECOMMENDATIONS IN "BCSI-B1" MAY RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

3. CUSTOMER TO VERIFY ALL DIMENSIONS, BEARING HEIGHTS, PITCHES AND ALL INFORMATION REGARDING THE DESIGN AND FABRICATION OF TRUSS SYSTEM.

4. DO NOT OVERLOAD TRUSSES w/ SHEETROCK / SHEATHING OR OTHER BUILDING MATERIALS.

5. TRUSSES ARE NOT MARKED IN ANY WAY TO IDENTIFY THE FREQUENCY, OR LOCATION OF TEMPORARY ERECTION BRACING. ALL TEMPORARY BRACING SHALL COMPLY WITH THE LATEST EDITION OF BCSI-B1 PUBLISHED BY THE TRUSS PLATE INSTITUTE FOUND IN THE DESIGN MANUAL.

6. NON-LOAD BEARING WALLS TO BE SINGLE TOP PLATED, TO PREVENT LOAD TRANSFER TO THESE WALLS. A 1x4 MAY BE USED AS SECOND TOP PLATE.

ROOF TRUSS LAYOUT

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

84 LUMBER - LAKE CITY
DR. FIASAL OFFICE

Ridgway Roof Truss Company
P.O. Box 1309 Gainesville, Florida 32602
Telephone (352) 376-1436 FAX (352) 371-3316
E-Mail: Sales@RidgwayTruss.com

REV. BY:	CHK. BY:	REVISION DATE:	REVISION
ILR	SETH	7/1/09	REVISED FRONT ENTRY

Salesman: ROBERT DANIEL
Initial Check: ILR
Design: CAD: 6/22/09
Job: # 0902.45 Date: 7/1/2009
File: R:\Jobs\0902\090245

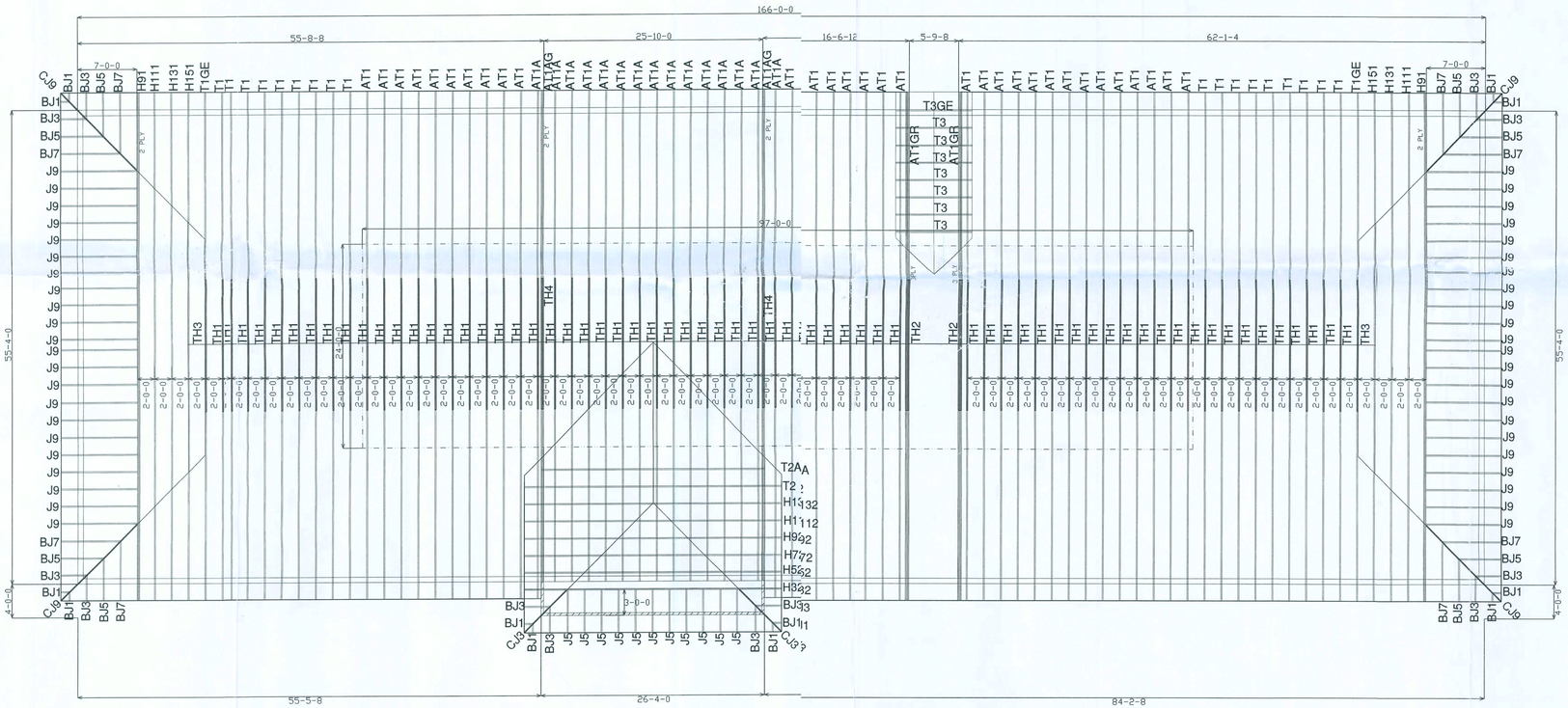
Page 1 of 1

R:\RobbinsJobs\0902\090245\090245.dwg, 7/1/2009 4:07:20 PM, Arch D - 0.1.875112, ralph

DIAGRAM JOB #22998

TRUSS PLACEMENT DIAGRAM

BUILDER TO VERIFY ALL LOADS AND DIMENSIONS
THE LOADS IN STORAGE ROOM ARE NOT WHAT THE
THE PLANS ARE CALLING



ALL AREAS VOID OF TRUSSES ARE TO BE FRAMED BY BUILDER

CUSTOMER:	84 LUMBER STORE # 1314
PROJECT/RESIDENCE:	MEDICAL OFFICE
MODEL:	DR. FAISAL
DATE:	04/14/09
SCALE:	1/16" (8.5x11, 11x17 N.T.S.)
TRUSS DESIGN BY:	M.TOWERS (321) 751-2656
CAD DRAWN BY:	M.TOWERS
PITCH:	6/12
O.H. / CANT:	24" CANTILEVER
RF/FLR LOADING:	20 - 10 - 0 - 1(1.25
WIND SPEED:	100 MPH
WIND DSGN METHOD:	ASCE 7-05, C.C. & M.W.F.R.S.
EXP. CATEGORY:	B
OPENING COND:	ENCLOSED
OCCUP. GROUP:	RESIDENTIAL
OCCUP. CATEGORY:	II
BLDG CODE:	FBC 2007 EDITION
REV DATE:	

WALL HEIGHTS

10'-1-1/2" PLATE HGT.

17'-4" PLATE HGT.

T3 TRUSSES PER PLANS

USP TRUSS to TRUSS CONNECTOR SCHEDULE

FOLLOW HANGER MANUFACTURER INSTALATION RECOMMENDATIONS FOR HANGER CONNECTION.

SIGNATURE ACKNOWLEDGES:
AUTHORIZATION FOR FABRICATION AS WELL AS VERIFICATION OF ALL DIMENSIONS AND CONDITIONS--INCLUDING ROOF PITCH, HEEL HEIGHT, OVERHANGS, ETC... TRUSSES WILL BE MADE IN STRICT ACCORDANCE WITH THIS LAYOUT.

APPROVED BY: _____

TITLE: _____

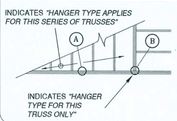
APPROVAL DATE: _____

ANY MODIFICATION OF EXISTING ROOF TRUSS SYSTEM IS THE RESPONSIBILITY OF THE PROFESSIONAL BUILDING DESIGNER AND ENGINEER OF RECORD.

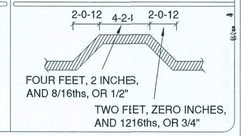
SPACE COAST TRUSS INC. STRONGLY RECOMMENDS THE USE OF A SPREADER BAR FOR TRUSS SPANS GREATER THAN 30' IN LENGTH. REFER TO BCSI-1 SUMMARY SHEET.

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY WHEN THIS LAYOUT IS SIGNED AND SEALED BY THE TRUSS DESIGN ENGINEER AS THE TRUSS DESIGN ENGINEER IS NOT INTENDED TO RELIEVE THE TRUSS SYSTEM ENGINEER AND/OR THE ENGINEER OF RECORD FROM REVIEWING AND APPROVING THIS DOCUMENT.

CONNECTOR EXPLANATION



DIMENSION EXPLANATION



SPACE COAST TRUSS, INC.
CORPORATE DESIGN OFFICE
ROCKLEDGE, FL 32955
PHONE: (321) 632-7511
FAX: (321) 638-8800

DISCLAIMER:

WHILE EVERY ATTEMPT HAS BEEN MADE TO PRODUCE A FLAWLESS PLACEMENT DIAGRAM FOR THIS PROJECT, THE POSSIBILITY FOR SMALL ERRORS DOES EXIST, CONSEQUENTLY, IT IS VITALLY IMPORTANT THAT THE BUILDER CAREFULLY REVIEW AND CHECK ALL DETAILS AND INFORMATION.

ANY ERRORS OR OMISSIONS SHOULD BE REPORTED IMMEDIATELY TO SPACE COAST TRUSS.

DO NOT SCALE DRAWINGS.

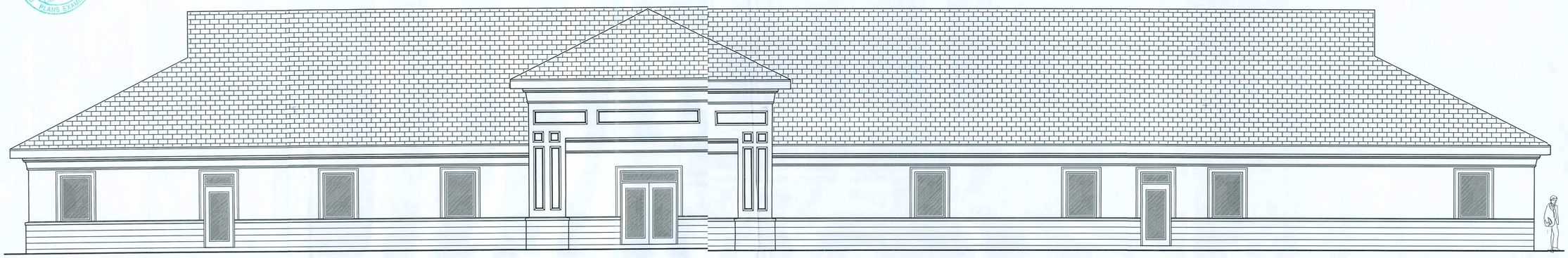
WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.

ALL INTERIOR LOAD BEARING WALLS MUST BE STANDING AND PROPERLY BRACED PRIOR TO SETTING ANY AND ALL TRUSSES.

ANY AND ALL REPAIRS/ALTERATIONS TO ANY TRUSS MUST BE APPROVED AND ACCEPTED BY A REPRESENTATIVE OF SPACE COAST TRUSS.
ANY BACK CHARGES THAT ARE NOT HANDLED IN THE ABOVE MENTIONED MANNER ARE SUBJECT TO REVIEW AND POSSIBLE REJECTION.
DO NOT USE THIS DIAGRAM TO SET TRUSSES UNLESS IT IS MARKED TRUSS PLACEMENT DIAGRAM.
WHEN TRUSSES ARE DELIVERED TO THE JOB SITE THERE WILL BE A PACKAGE CONTAINING LAYOUT AND COMPLETE TRUSS ENGINEERING. PLEASE REVIEW THE ENTIRE CONTENTS OF PACKAGE BEFORE SETTING TRUSSES.

THIS DIAGRAM IS INTENDED FOR USE BY PERSONS KNOWLEDGEABLE IN AND FAMILIAR WITH GENERALLY ACCEPTED METHODS AND STANDARDS OF TRUSS ERECTION.
TRUSS ERECTION SHOULD NOT BE ATTEMPTED BY ANY PERSONS WITHOUT THESE QUALIFICATIONS.
TRUSS ERECTION AND BRACING RESPONSIBILITIES MUST LIE WITH THE BUILDER.

DO NOT CUT, MODIFY, OR ALTER ANY TRUSSES. IN THE EVENT THAT A TRUSS NEEDS MODIFICATION OR ALTERATION, IT IS THE RESPONSIBILITY OF THE BUILDER TO NOTIFY A SPACE COAST TRUSS EMPLOYEE WHO IS EXPERIENCED IN THE FIELD OF REPAIRS, PRIOR TO SUBMITTING ANY BACK CHARGE FOR THE SAID REPAIR(S).



New Medical Office Building for:

M. A. Faisal, M.D.

Lake City, Florida

Drawing Index

BUILDING USE,'LASSIFACATION & OCCUPANCY AS PER TABLES 503 &1003.1, FLORIDA BUILDING CODE, 2007 ED.	
BUILDING GROP OCCUPANCY	GROUP B
TABLE 503 TYE OF CONSTRUCTION	TYPE V - UNPRO.
TABLE 503 ARA/HEIGHT LIMITATIONS	9.0 KSF/2 STORY
TABL: 503 AREA INCREASE:	62% = 14.58 KSF
OCCUPANCY BUSINESS ARE: 1:100 SF GROSS 92938F / 10 = 93 ACCESSORY :I AREA: 1:300 SF GROSS 1578SF / 30 = 6	99 OCCUPANTS

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 EDITION.	
BASIC WIND SPEED:	100 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
M:UFRS PER TABLE 1609.2.A (FBC 2007) DESIGN WIND PRESSURES:	ROOF: - 19.1 PSF WALLS: + 22.0 PSF EAVES: - 26.7 PSF
COMPONENTS & CLADING PER TABLES 1609.2.B & 1609.2.C (FBC 2007) DESIGN WIND PRESSURES:	OP'NGS: + 18.0 / - 24.1 PSF EAVES: - 56.4 PSF ROOF: + 16.5 / - 21.0 PSF

REVISION:
08 SEP 2008
29 APR 2009

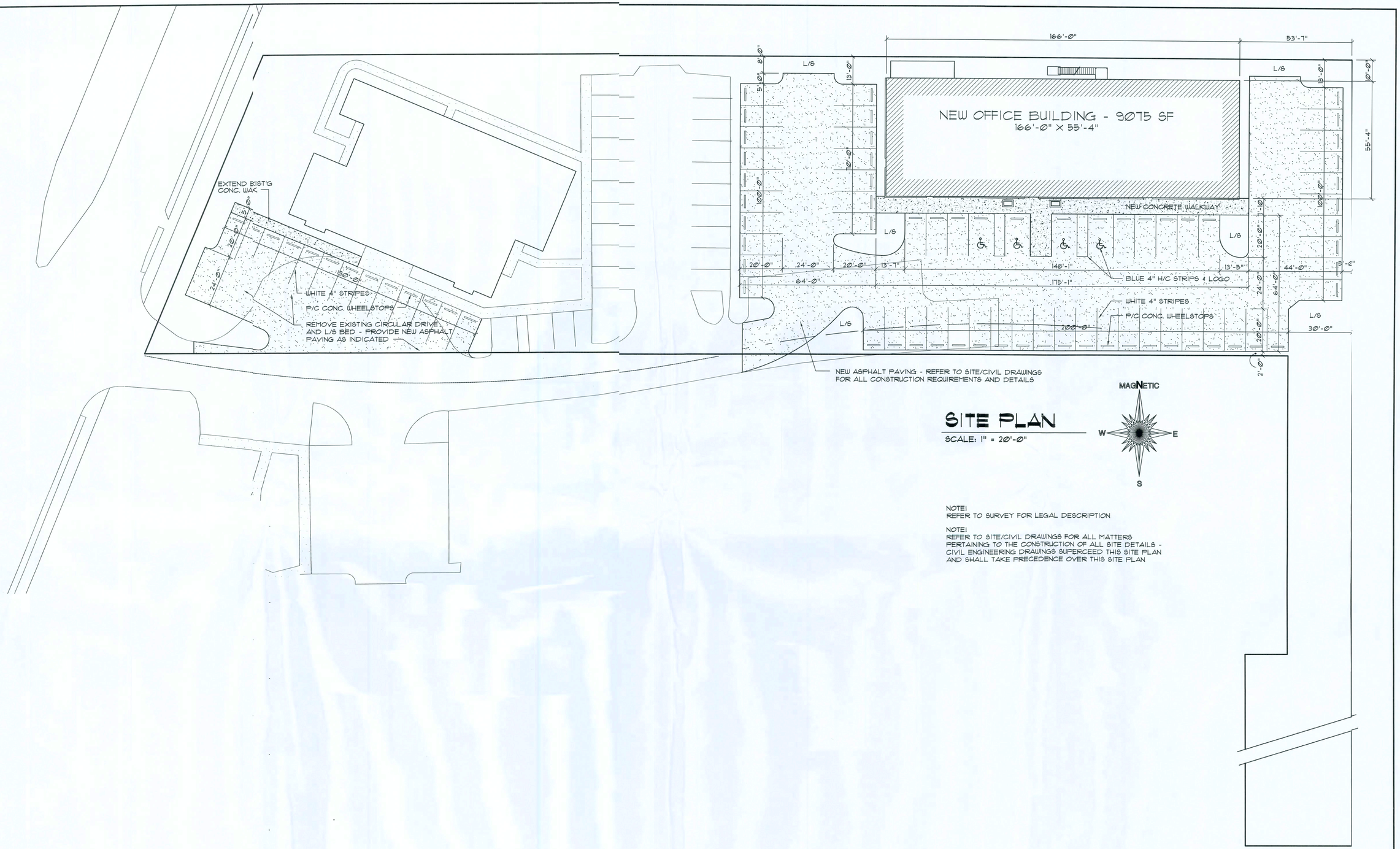
DRAWN:
rps

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
COVER SHEET

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-3021

DATE:
18 AUG 2008
COMM:
2K814

SHEET:
CS.1
1 OF 1



SITE PLAN

SCALE: 1" = 20'-0"

NOTE!
REFER TO SURVEY FOR LEGAL DESCRIPTION

NOTE!
REFER TO SITE/CIVIL DRAWINGS FOR ALL MATTERS PERTAINING TO THE CONSTRUCTION OF ALL SITE DETAILS - CIVIL ENGINEERING DRAWINGS SUPERCEED THIS SITE PLAN AND SHALL TAKE PRECEDENCE OVER THIS SITE PLAN

REVISION:
03 SEP 2K8

DRAWN:
rps

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
PRELIMINARY SITE PLAN

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

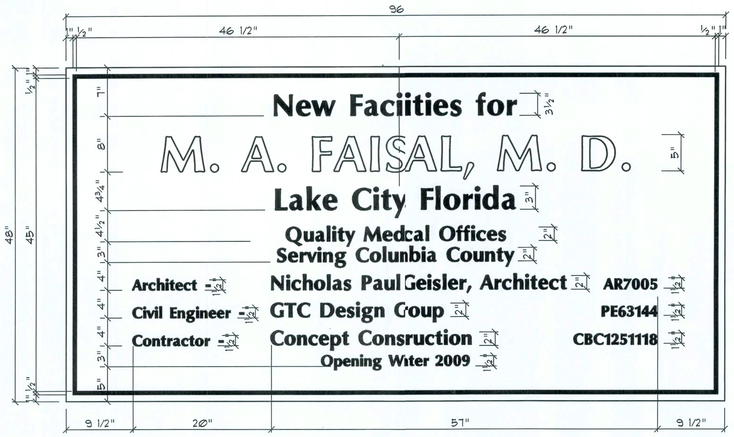
DATE:
18 AUG 2008

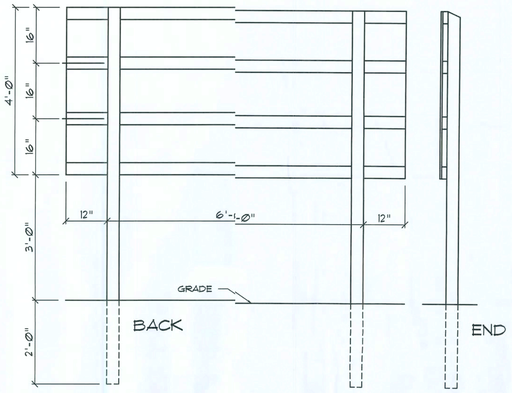
COMM:
2K814

SHEET:
SP.1
1 OF 1

17 May 24

AR0007005





Construction Sign DETAILE

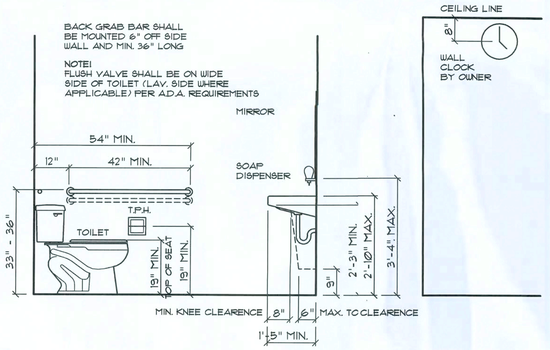
SCALE: NONE

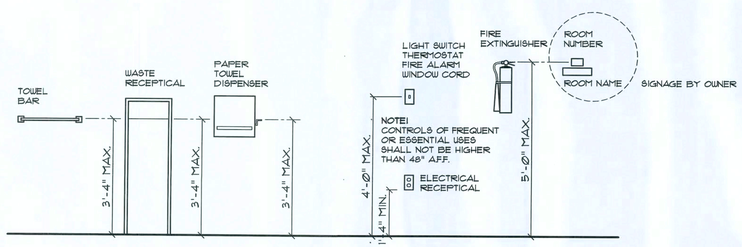
NOTE!
CONSTRUCTION SIGN IS N. I. C. AND SHALL BE OPTIONAL - REFER TO OWNER

NOTE!
CONSTRUCTION SIGN DETAILS ARE SUGGESTED - ACTUAL SIGNAGE SHALL BE AS PER AGREEMENT BETWEEN OWNER AND CONTRACTOR

SIGNAGE NOTES

1. BACKING SHALL BE 48" X 96" X 1/2" ACX PLYWOOD, PRIMED AND PAINTED 2 COATS WHITE EXTERIOR ENAMAL.
2. SUPPORTS SHALL BE 4 - P/T 2X4 AT 16" O.C., AS SHOWN.
3. POSTS SHALL BE P/T 4X4, DIRECT BURIED, WITH THE TOP FACE CUT AT A 30° ANGLE AS SHOWN.
4. ASSEMBLY SHALL BE WITH 8 - 1/4" X 6" CARRAGE BOLTS W/ 1"ø WASHERS AND NUTS - 4 EACH POST.
5. THE BORDER SHALL BE A 1/2" WIDE BLACK STRIPE SET 1" IN FROM THE SIGN EDGE, ALL AROUND.
6. TEXT SHALL BE BLACK FOR ALL LINES EXCEPT THE 2nd LINE, WHICH SHALL BE LIGHT BLUE WITH 1/8" BLACK PIPING.
7. TEXT SPACING AND ½ HEIGHT SHALL BE AS THE DETAIL.
8. FONT STYLE SHALL BE OPTIMA BOLD.





STANDARD MOUNTING PER A.D.A. REQUIREMENTS

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

A

A.D.A NOTES: ACCESSIBILITY

RESTROOM NOTES
WATERCLOSETS: SHALL COMPLY W/ 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 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.

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1003.1, FLORIDA BUILDING CODE, 2007 ED.	
BUILDING GROUP OCCUPANCY	GROUP B
TABLE 503 TYPE OF CONSTRUCTION	TYPE V - UNPRO.
TABLE 503 AREA/HEIGHT LIMITATIONS	9.0 KSF/2 STORY
TABLE 503 AREA INCREASE:	62% - 14.58 KSF
OCCUPANCY BUSINESS AREA: 1:100 SF GROSS 9293SF / 100 = 93 ACCESSORY S-1 AREA: 1:300 SF GROSS 1578SF / 300 = 6	99 OCCUPANTS

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 EDITION.	
BASIC WIND SPEED:	100 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MWFRS PER TABLE 1609.2.A (FBC 2007) DESIGN WIND PRESSURES:	ROOF: - 19.1 PSF WALLS: + 22.0 PSF EAVES: - 26.7 PSF
COMPONENTS & CLADING PER TABLES 1609.2.B & 1609.2.C (FBC 2007) DESIGN WIND PRESSURES:	OPNGS: + 18.0 / - 24.1 PSF EAVES: - 56.4 PSF ROOF: + 16.5 / - 21.0 PSF

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS.
THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

STANDARD ABBREVIATIONS

@	AT	GALV.	GALVANIZED
#	NUMBER or POUND(S)	HORZ.	HORIZONTAL
=	EQUALS	INS.	INSULATION
ø	DIAMETER	INT.	INTERIOR
W/	WITH	LAV.	LAVATORY
W/O	WITHOUT	LVL.	LAMINATED VENEER LUMBER
℄	CENTERLINE	MAX.	MAXIMUM
&	AND	MIN.	MINIMUM
+/- or ±	PLUS OR MINUS	MISC.	MISCELLANEOUS
'	ONE FOOT	M.O.	MASONRY OPENING
"	ONE INCH	No. or Nr.	NUMBER
1/4" or ¼"	ONE QUARTER INCH	O.C.	ON CENTER
8d	8 PENNY	O/H	OVERHEAD
BM	BEAM	OHD	OVERHEAD DOOR
B.O.	BY OTHERS	PLYWD.	PLYWOOD
BOT.	BOTTOM	P/T	PRESSURE TREATED
CLG.	CEILING	REINF.	REINFORCING (ED)
CO	CLEANOUT	REQ'D	REQUIRED
CONC.	CONCRETE	RM.	ROOM
COTG	CLEANOUT TO GRADE	R.O.	ROUGH OPENING
DBL.	DOUBLE	SF	SQUARE FEET
DIM.	DIMENSION	SGD	SLIDING GLASS DOOR
DN.	DOWN	SHT.	SHEET
ELEV.	ELEVATION	SRLH	SUWANNEE RIVER LOG HOMES
EXT.	EXTERIOR	TYP.	TYPICAL
F	FRENCH (DOORS)	VERT.	VERTICAL
FDN.	FOUNDATION	WC	WATERCLOSET (TOILET)

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 100 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:
FOOTING DESIGN IS BASED UPON 1000 PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS ie: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 125PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2007 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST
LIFE SAFETY: NFPA-101 - LATEST

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

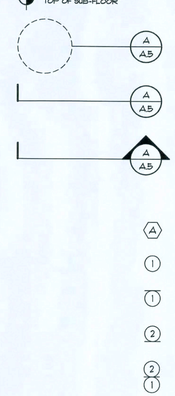
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS



TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.

TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW

TYPE OF DETAIL MARK USED TO INDICATE A SECTION ie: SECTION "A" ON SHEET "A5", TAIL INDICATES DIRECTION OF VIEW

TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW ie: SECTION "A" FOUND ON "D.6.a" OF THE PROJECT MANUAL

INDICATES FOOTING TYPE "A", DESCRIBED IN THE FOOTING SCHEDULE

INDICATES POST/COLUMN TYPE "1", DESCRIBED IN THE COLUMN SCHEDULE

INDICATES POST/COLUMN TYPE "1", LOCATED BELOW CURRENT LEVEL

INDICATES POST/COLUMN TYPE "2", LOCATED ABOVE CURRENT LEVEL

INDICATES POST/COLUMN TYPE "2" LOCATED OVER TYPE "1" POST/COLUMN

REVISION:
08 SEP 2008
23 APR 2009

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
GENERAL INFORMATION

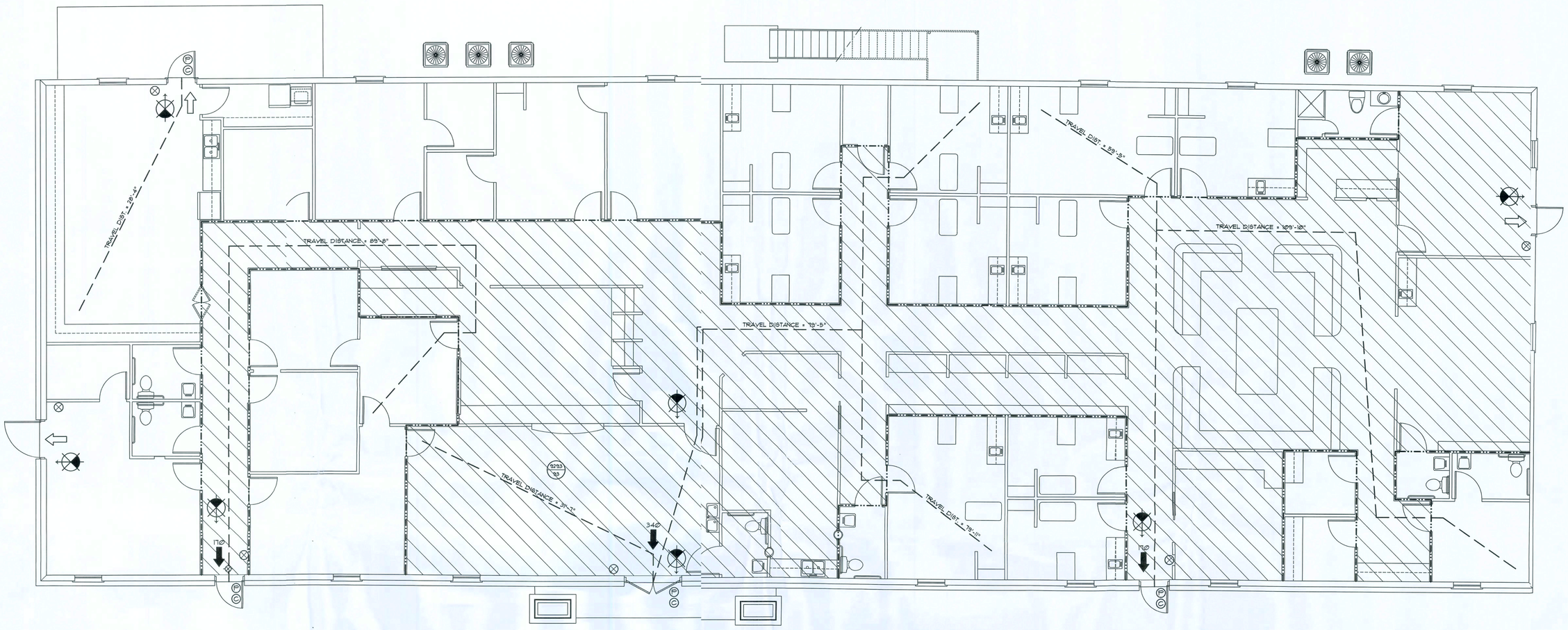
NICHOLAS PAUL GEISLER
ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
N.A.R.E. CERTIFIED (386) 752-9021

DATE
18 AUG 2008

COMM:
2K814

SHEET:
G.1
1 OF 3

AR0#07005



EGRESS PLAN

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

FIRE/INTRUSION ALARM SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE & ALARM - INTRUSION ALARM SYSTEM. THE OPPERATION OF WHICH SHALL ALERT THE BUILDING OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND OPPERATING FEATURES SHALL BE AS REQUIRED BY NFPA 101, 2003 EDITION, "LIFE SAFETY CODE" SECTION 4.3.4

NOTE!

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

NOTE!

SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 90" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL W/BATTERY BACKUP

EXIT ACCESS TRAVEL DISTANCE PER 2007 FBC 1015, TABLE 1015.1

OCCUPANCY - B BUSINESS:
200 FT. (W/O SPRINKLER SYSTEM)

OCCUPANCY - ACCESSORY USE S-1 STORAGE, SINGLE EXIT:
75 FT. (W/O SPRINKLER SYSTEM)

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- HD — HEAT DETECTOR - COORDINATE WITH ELECTRICAL DWGS.
- WALL HUNG "ABC" FIRE EXTINGUISHER
- C — DOOR /CLOSER FOR EXITING OR RATING REASONS
- P — PANIC DEVICE
- 999 / 30 — ROOM SQUARE FOOTAGE / ROOM OCCUPANCY LOAD
- 165 — PRIMARY EGRESS W/EXIT CAPACITY
- SECONDARY EGRESS
- 1 HOUR FIRE RATED WALL

NOTE!
ALL DOORS PENETRATING FIRE RATED WALLS SHALL BE "C" LABEL, W/ CLOSER

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 503 & 1003.1, FLORIDA BUILDING CODE, 2007 ED.	
BUILDING GROUP OCCUPANCY	GROUP B
TABLE 503 TYPE OF CONSTRUCTION	TYPE V - UNPRO.
TABLE 503 AREA/HEIGHT LIMITATIONS	9.0 KSF/2 STORY
TABLE 503 AREA INCREASE:	62% - 14.58 KSF
OCCUPANCY	
BUSINESS AREA: 1:100 SF GROSS 92938F / 100 = 93	
ACCESSORY S-1 AREA: 1:300 SF GROSS 15788F / 300 = 6	99 OCCUPANTS

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04 MAY 2009	DRAWN: rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
EGRESS PLAN

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

DATE: 28 APR 2009
COMM: 2K814
SHEET: G.2
2 OF 3

14 May 2009
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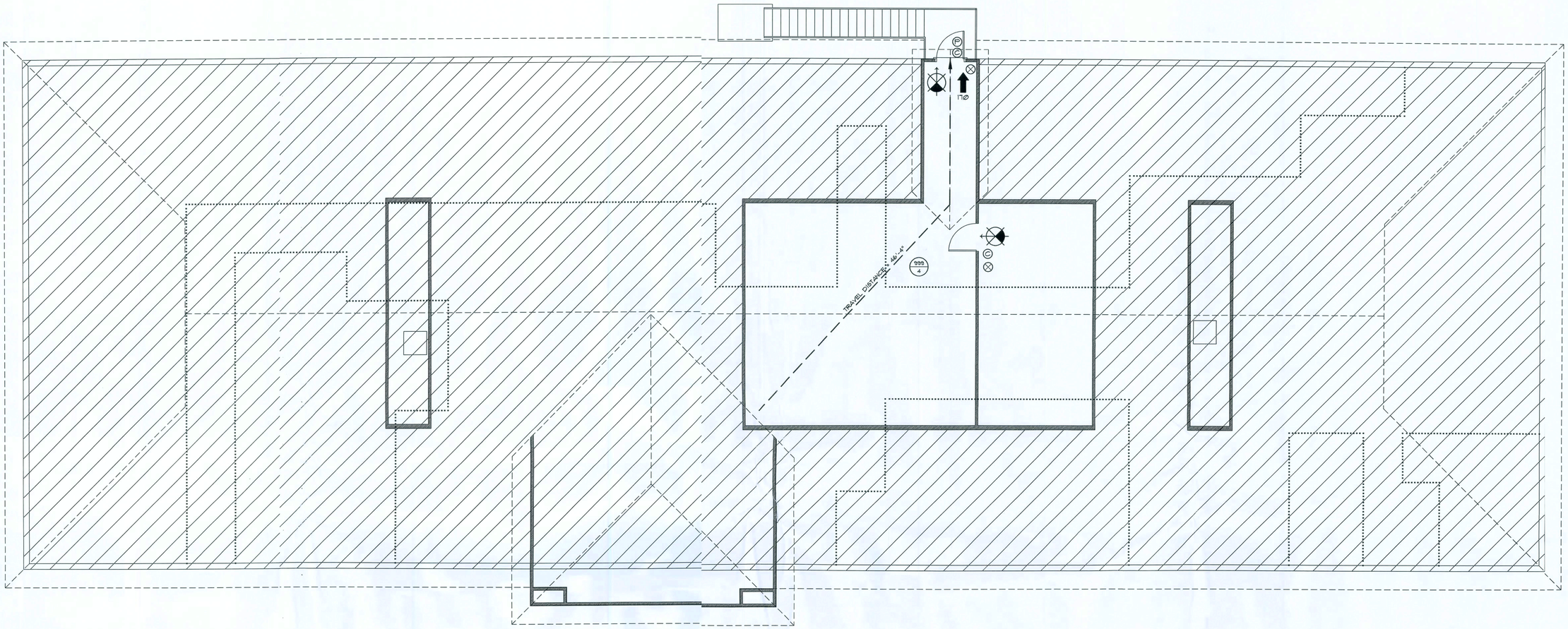

LOFT EGRESS PLAN

SCALE: 3/16" = 1'-Ø"

EXIT ACCESS TRAVEL DISTANCE PER 2007 FBC Ø15, TABLE Ø15.1
OCCUPANCY - B BUSINESS:
200 FT. (W/O SPRINKLER SYSTEM)
OCCUPANCY - ACCESSORY USE S-1 STORAGE, SINGLE EXIT:
75 FT. (W/O SPRINKLER SYSTEM)

NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 1Ø2Ø-1P.

NOTE!
SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 9Ø" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL W/BATTERY BACKUP

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- HD — HEAT DETECTOR - COORDINATE WITH ELECTRICAL DWGS.
- WALL HUNG "ABC" FIRE EXTINGUISHER
- C — DOOR /CLOSER FOR EXITING OR RATING REASONS
- P — PANIC DEVICE
- 999 / 3Ø — ROOM SQUARE FOOTAGE / ROOM OCCUPANCY LOAD
- 185 — PRIMARY EGRESS W/EXIT CAPACITY
- SECONDARY EGRESS
- 1 HOUR FIRE RATED WALL

REVISION:
Ø4 MAY 2009

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rpg

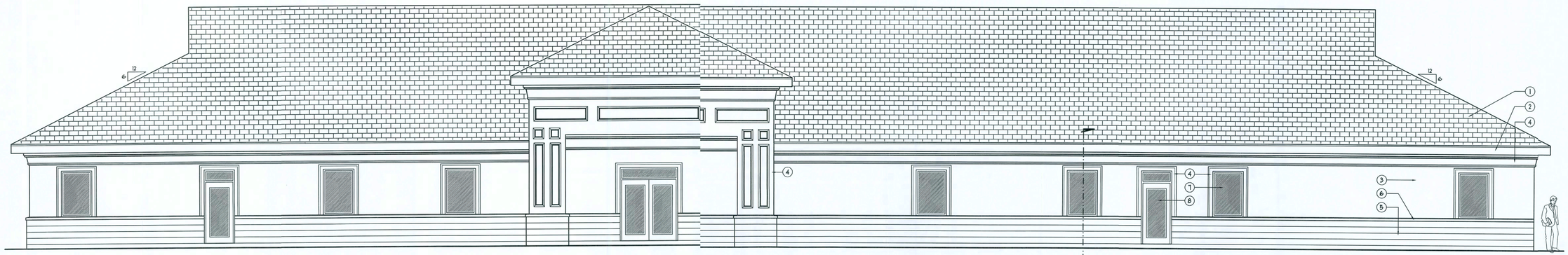
NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
LOFT EGRESS PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-5021

DATE:
28 APR 2009
COMM:
2K814

SHEET:
G.3
3 OF 3

AR0#07005



Front ELEVATION

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

NOTE!!!
ROOF SHINGLES SHALL BE OF THE FOLLOWING MANUFACURERS AND MODELS:

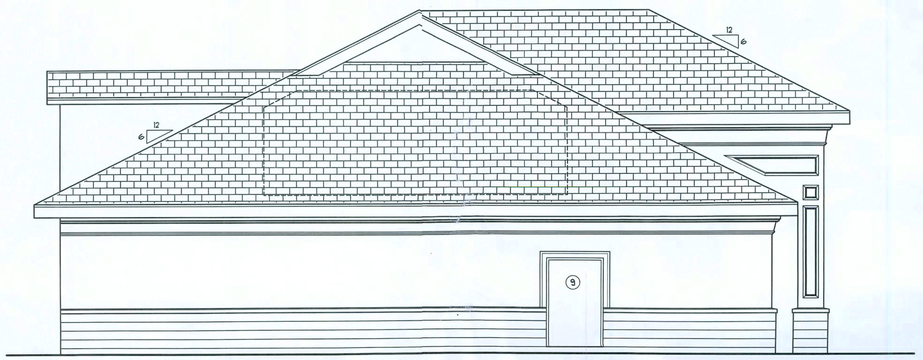
TAMKO ROOFING PRODUCTS	GAF MATERIALS CORP.	ELK PREMIUM ROOFING
GLASS-SEAL AR	ROYAL SOVEREIGN	RAISED PROFILE #
ELITE GLASS-SEAL AR	MARQUIS	PRESTIGE HIGH DEFINITION #
HERITAGE 30 AR	WEATHER MAX	PRESTIGE 25 #
HERITAGE 40 AR	SLATELINE	PRESTIGE 30 #
HERITAGE 50 AR	GRAND CANYON	PRESTIGE I 35 #
	GRAND SEQUOIA	PRESTIGE I #
TAMKO REQUIRED NAILS/SHINGLE = 4	COUNTRY MANSION	PRESTIGE PLUS #
	COUNTRY ESTATES	PRESTIGE GALLERY COLLECTION #
	TIMBERLINE 30	CAPSTONE #
	TIMBERLINE SELECT 40	
	TIMBERLINE ULTRA	ELK REQUIRED NAILS/SHINGLE = 4
	SENTINEL	4 x 5 NAILS
		4 x 6 NAILS
	GAF REQUIRED NAILS/SHINGLE = 4	

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 110 MPH WINDS & FBC TAS 1000, USING THE SPECIFIED NAILS

EXTERIOR FINISH MATERIALS:

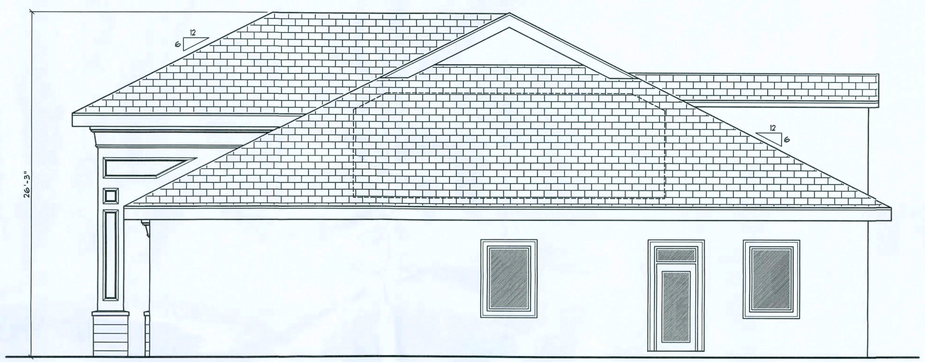
1. FIBERGLASS ARCHITECTURAL SHINGLES
2. MTL. & FLASHING ON PAINTED HARDIEPANEL FASCIA
3. SKIM & COAT STUCCO FINISH, PAINTED, W/ PAINT COLOR & TEXTURE AS SELECTED BY THE OWNER.
4. EFIS & STUCCO BANDING W/ INTEGRAL COLOR & TEXTURE AS SELECTED BY THE OWNER
5. SPLIT FACE 4" CMU VENEER UNITS, SET W/ RUNNING BOND, TYP. T.O.
6. PRECAST CONCRETE WALL CAP - OFF-WHITE NATURAL FINISH
7. 1¾" X 4½" STOREFRONT SASH, BRONZE FIN. - W/ INSULATING BRONZE TINT GLASS
8. STOREFRONT ENTRY DOORS W/ BRONZE ALUM. SASH & BRONZE TINT 1/4" TEMP'D GL.
9. PAINTED H.C. MTL. DOOR & FRAME, W/ COLOR AS SELECTED BY THE OWNER

NOTE!
FINISH MATERIALS AS INDICATED ON ANY ELEVATION APPLY TO OTHER ELEVATIONS FOR SIMILAR AREAS.



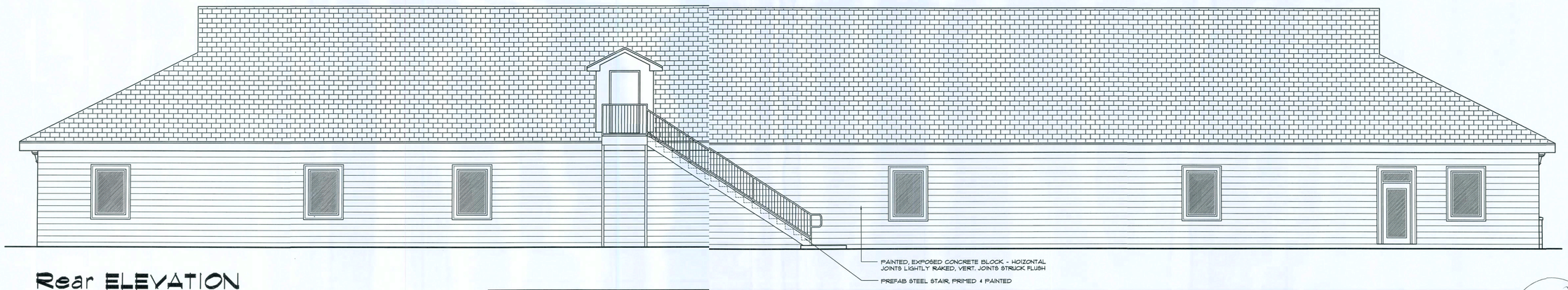
Right Side ELEVATION

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



Left Side ELEVATION

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



Rear ELEVATION

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

REVISION:
08 SEP 2008

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NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
ELEVATIONS

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
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Lake City, FL 32055
386-755-6021

DATE:
18 AUG 2008
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SHEET:
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1 OF 8

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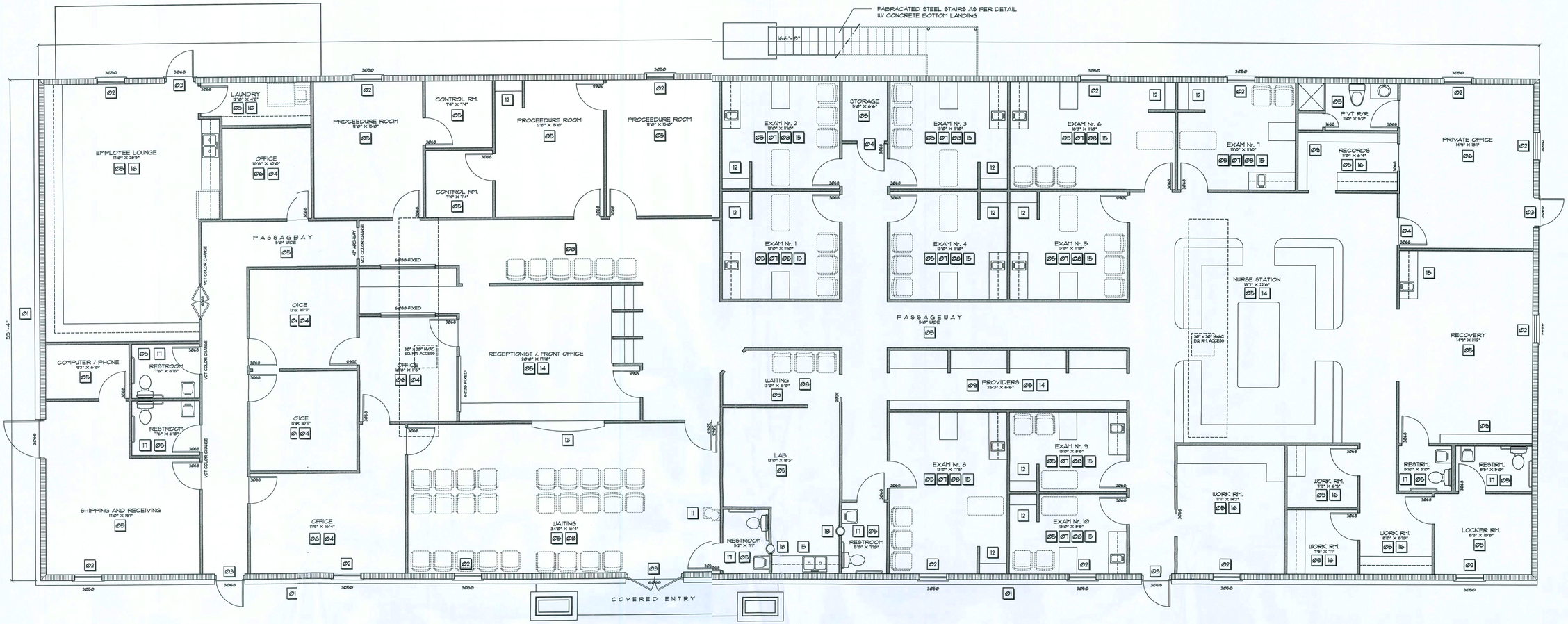

GENERAL INTERIOR FINISH SCHEDULE:

FLOOR AREA:	GENERAL OFFICE AREAS & LOFT. CARPET, GLUE-DOWN. PATTERN & COLOR AS PER THE OWER ALL REMAING FLOOR AREAS VINYL COMPOSITION TILE OR SHEET VINYL AS DIRECTEDIY THE OWNER ALL COLOR/PATTERN SELECTIONS AS PER OWNER'S SELETIONS
BASE:	4" VINYL COVE, COLOR AS SELECTED BY THE OWNER ORAS DIRECTED BY OWNER via CHANGE ORDER
INTERIOR DOORS:	ALL INTERIOR DOORS SHALL BE H/C BIRCH VENEER, PAT GRADE, WITH PRIMER & 2 COLOR COATS, SET IN STEEL FRAMES, PAINTE
WALLS:	1/2" GWB, PRIMED AND PAINTED 2 COATS LATEX WALL PAT, W/ COLOR & GLOSS - OR OTHER FINISH AS DESIGNATED BY THE LINER.
CEILINGS:	24" X 48" SUSPENDED CEILINGS: 24" X 24" X 3/4" TEGULAR EDGE LAY-IN TILE IN WHITE AINTED SUSP'N GRID AS PER "ARMSTRONG" PRODUCT LINE - ALL SELCTIONS PER OWNER
APPLIED FINISHES:	APPLIED FINISHED TO GWB, ie: SPRAY OR SMOOTH, REER TO OWNER
CABINETS:	AS PER CABINET SHOP DRAWINGS - SEE SHEET A.7

Floor PLAN

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

NOTE!
ALL FURNATURE ie.: CHAIRS, EWC, MEDICAL EXAM TABLES, APPLIANCES AND SIMILAR, SHALL BE BY TENANT

PLAN NOTES

01	8" CONC. BLK. W/ WAINSCOT & STUCCO - SEE ELEVATIONS
02	1¾" X 4" ALUM. STOREFRONT SASH, BRONZE FINISH - WITH 1/4" TEMP'D BRONZE TINT GLASS
03	STOREFRONT MED. STILE ENTRY DOORS W/ BRONZE ALUM. SASH & BRONZE TINT 1/4" TEMP'D GL.
04	PROVIDE KEY LOCKING DOOR HARDWARE
05	12" SQ. VINYL COMP. FLOORING, W/ 4" VINYL COVE BASE
06	CARPET - GLU-DOWN - SEE OWNER FOR COLOR
07	FURNATURE BY TENANT
08	MODULAR SEATING BY TENANT
09	FILE SHELVING AS PER A.7 & A.8
10	VINYL COATED WIRE SHELVING
11	BOTTLED WATER EWC, N.I.C., BY TENANT
12	MILLWORK BENCH SEAT W/ ROD & CURTAIN PER A.7 & A.8
13	42" HIGH WALL W/ 12" WIDE COUNTER TOP
14	30" HIGH COUNTER / DESK (& WALK-UP COUNTER @ 42" A.F.F.) PER A.7 & A.8
15	36" HIGH COUNTER / (W/ HAND SINK (& DESK)) W/ CABINETS BELOW AND O/H CABINETS PER A.7 & A.8
16	36" HIGH BASE CAB. & COUNTER W/ CABINETS ABOVE ALL W/ PLACTIC LAMINATE FINISH, PER A.7 & A.8
17	H/C TOILET, LAVATORY AND GRIP RAIL, PER ADA STDS.
18	S/S SPECIMIN PASS-THROUGH

CONTRACT PROVISIONS per CONSTRUCTION AGREEMENT

Flooring:
Furnish and install 1/8" VCT & 26oz commercial carpet as indicated on drawing.
Furnish & install 4" vinyl cove base in all areas of building.

Acoustical Ceilings:
Acoustical Ceilings shall be Armstrong Model 1729. Tile size shall be 21 x 41.

Electrical:
Price Includes: All conduit, wire, panels, breakers, 400 amp 3 phase electrical service, 60 switches, 110 receptacles, disconnects, 5 AHU circuits, 5 A/C circuits, 101 2x4 electronic ballast surface mount fixtures, 10 exit lights, 6 emergency wall packs, 6 recess can lights, 4 exterior wall packs, 21 phone jacks, 4 television jacks. Electrical service to 50 feet away from building, phone service conduit to 50 feet away from building, and 50 feet of underground sign service. All by the National Electrical Code.

HVAC:
Contractor shall provide five, five ton 13 SEER heating and cooling units. Trunkline shall be duct board. All drops shall be installed with flexible duct. One unit shall be installed for the storage level and four for the main level.

ALL EXTERIOR CONCRETE SHALL BE PART OF SITE WORK.

Plumbing:
Plumbing shall be installed as located on plans and specifications. Floor drains are NOT included. Plumbing lines shall be stubbed to 5'-0" outside of building.

Windows:
1 lite insulated picture window. Contractor shall submit shop drawings for approval.

Interior Doors:
Birch solid core pre-hung doors with flush slab. Closers shall be provided at restrooms.

Exterior Doors:
Hollow core, flush style metal doors. Hardware shall be lever style. Panic hardware is not included.

Stairwell:
Stairwell shall be constructed of light gauge metal framing and tubing. Stairwell shall comply with all state and local codes. Contractor will submit shop drawings for approval.

Cabinetry:
Cabinets and counter tops shall be laminated square edge Formica Typed.
Construction shall be frameless with white MDF doors and frames.

NOTE!
STOREFRONT DOORS/ENTRYS AS INDICATED ON THE PLANS & ELEVATIONS SHALL BE AN OPTIONAL EXTRA TO THE CONTRACT AND MAY ONLY BE INCLUDED VIA AN APPROVED CHANGE ORDER FROM THE OWNER.

REVISION:
29 AUG 2008
04 MAY 2009

DRAWN: rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
FLOOR PLAN

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

DATE: 18 AUG 2008
COMM: 2K814

SHEET: A.2
2 OF 8

1.4 MAY 2009

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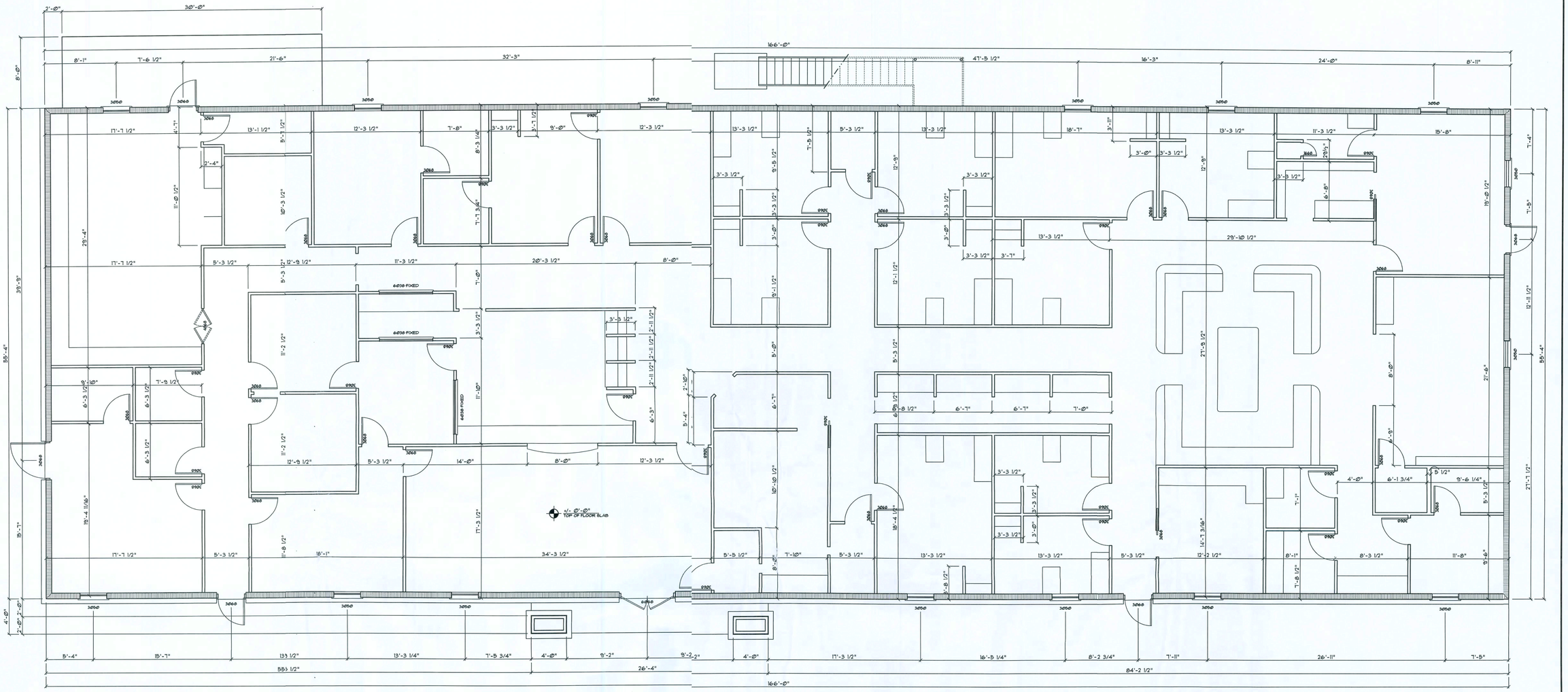

TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

1. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.

2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKI SURFACES.

3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS TH 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

   EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 FBC 2405.2.1(4).

4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

   4.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84 M^2).

   4.2 BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.

   4.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.

   4.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

Dimension Floor PLAN

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

NEW OFFICE BUILDING - 9293.0 SF
166'-0" X 55'-4" + 4'0" X 26'11" COVERED ENTRY

GROSS BUILDING AREA - 10292.0 SF
9293.0 SF + 999.0 SF STORAGE LOFT

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

NOTE!
ALL INTERIOR PARTITION WALLS ARE 2X4 WOOD STUDS @ 16 O.C., U.N.O.

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29 AUG 2008	DRAWN: rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
DIMENSION PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9201

DATE:	SHEET:
18 AUG 2008	A.3
COMM: 2K814	3 OF 8

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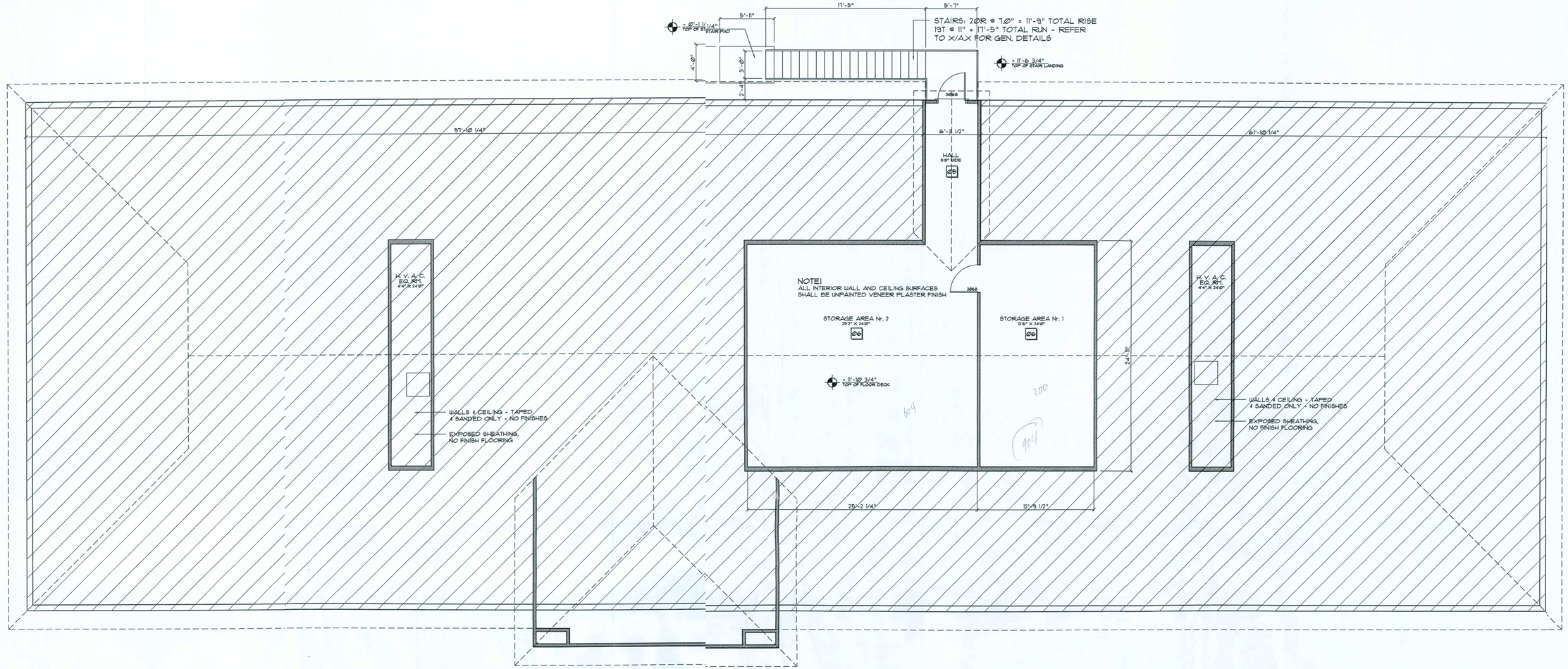
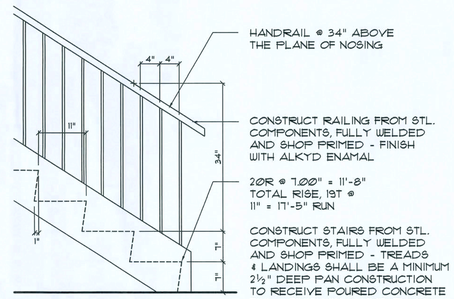


Attic Storage Loft PLAN

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

GROSS STORAGE LOFT - 1578.0 SFF
W/ HVAC ROOMS @ EACH END



Stair DETAIL

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

A

REVISION:
25 AUG 2008
29 APR 2009
05 MAY 2009

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
ATTIC STORAGE LOFT PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-3021

DATE:
18 AUG 2008

COMM:
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SHEET:
A.4
4 OF 8

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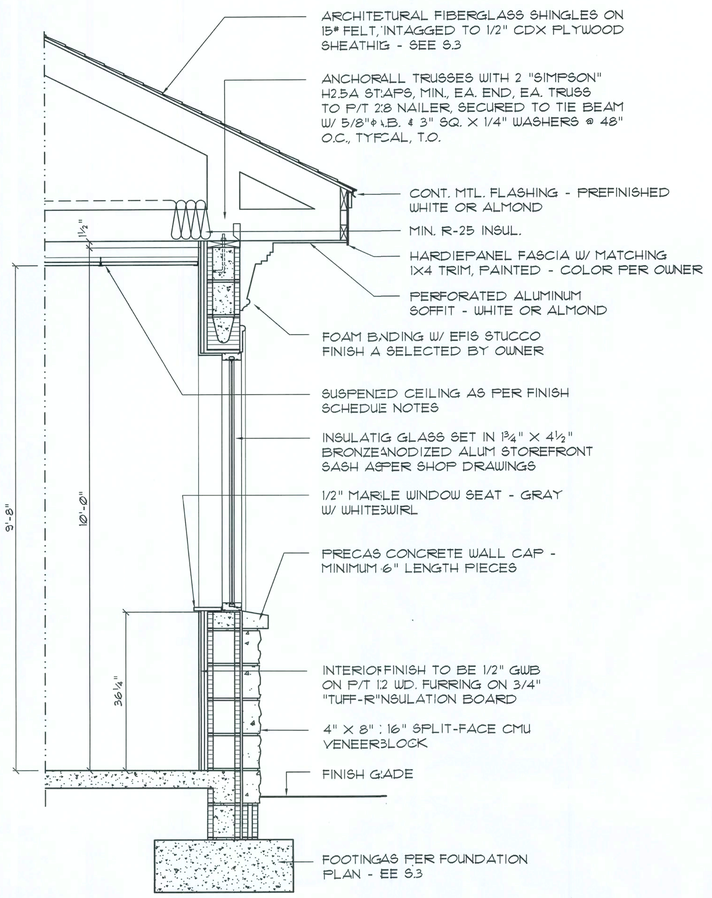
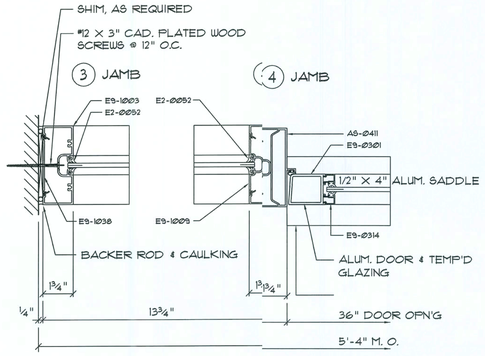


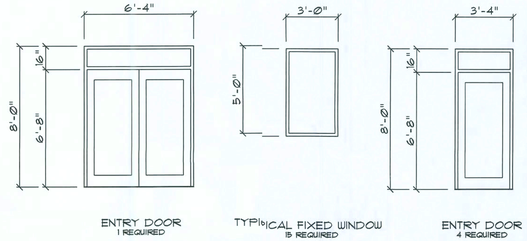
Typical Wall SECTION (A)

SCALE: 3/4" = 1'-0"



Horizontal SEC'TION

SCALE: 3" = 1'-0"



Frame ELEVATIONS (B)

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

FIELD MEASUREMENTS:
FEILD VERIFY ALL OVERALL FRAME SIZES PRIOR TO METALS FABRACATION

SWING ENTRANCES & STOREFRONTS

MANUFACTURER:

YKK AP AMERICA INC. OR APPROVED EQUAL
1600 CURRENCY DRIVE
ORLANDO, FL 32807

FINISH:

IN ACCORDANCE WITH AA-M12C22A42/A44
COLOR: DARK BRONZE

GLAZING:

STOREFRONT DOORS - MEDIUM STILE 3ØD:

1/4" TEMPERED GLASS

STOREFRONT 1 3/4" X 4 1/2" "C-SLOT":

1/4" TEMPERED GLASS WHERE REQUIRED BY 2001 FBC AND 1/4" ANNEALED GLASS, ELSEWHERE

DOOR HARDWARE:

CLOSER - "LCN 1460 SERIES" OR APPROVED EQ.

OFFSET PIVOTS

LOCKS - "ADAMS-RITE" Nr.: 4015 TWO POINT LOCK OR EQ.

INSTALLATION REQUIREMENTS:

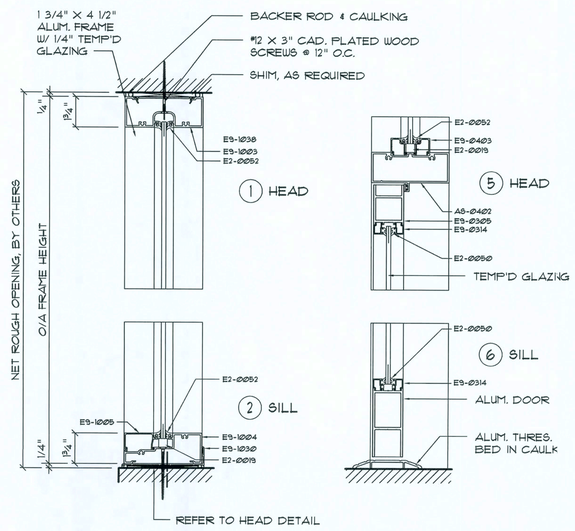
CONTRACTOR SHALL PREPARE OPENINGS IN ACCORDANCE WITH THE TOLERANCES AS SPECIFIED IN THE PROJECT SPECIFICATIONS - WITH NET OPENING SIZES AS INDICATED IN THESE DRAWINGS.

NET OPENING WIDTH SHALL BE FRAME WIDTH + 1/2"

NET OPENING HEIGHT SHALL BE FRAME HEIGHT + 1/2"

CLEANING:

USE ONLY A SOLUTION OF A MILD LIQUID SOAP IN WATER FOR ALL SURFACES, INCLUDING GLAZING AND SASH MATERIALS.

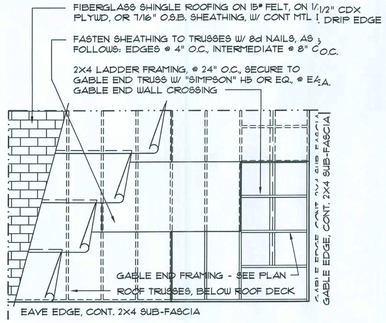


Vertical SECTION

SCALE: 3" = 1'-0"

Storefront Door DETAILS (C)

SCALE : VARIOUS

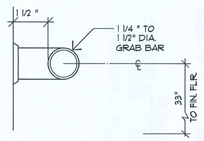


Roof Deck DETAIL (D)

SCALE: 3/8" = 1'-0"

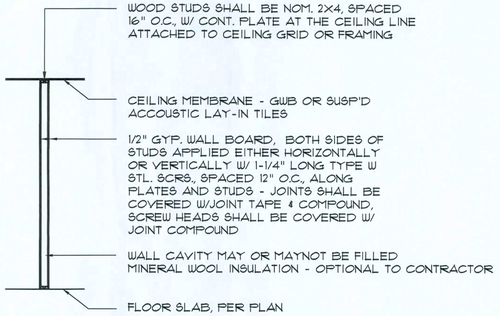
GRAB BARS AT WATER CLOSET (5111A-9)

1. ONE AT SIDE 42" LONG EXTENDING 24" IN FRONT OF WATER CLOSET, MOUNTED 33" ABOVE FLOOR.
2. BARS SHALL BE 1-1/4" TO 1-1/2" IN DIAMETER WITH 1-1/2" CLEARANCE TO WALL.
3. BAR FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 LBS. POINT LOAD IN BENDING, SHEAR TENSION. ROTATION IN FITTING NOT ALLOWED.
4. SURFACE OF WALL ADJACENT TO GRAB BAR IS TO BE FREE OF SHARP OR ABRASIVE ELEMENTS



Grab Bar DETAIL (E)

SCALE = NONE



TYPE 4
NON-BEARING INTERIOR PARTITION, FRAMING W/ TOP PLATE SECURED TO CEILING VIA GRID OR CEILING FRAMING - WALL DOES NOT BREAK PLANE OF CEILING

TYPICAL INTERIOR PARTITIONS (F)

SCALE: NONE

REVISION:
08 SEP 2008

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
WALL SECTION - ARCHITECTURAL DETAILS

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-5821

DATE: 18 AUG 2008
COMM: 2K814
SHEET: A.5
5 OF 8

AR0007005

AS - BUILT DRAWING REQUIREMENTS:

A. **ELECTRICAL "AS-BUILT" DRAWINGS**
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 LINE 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.

B. **H.V.A.C. "AS-BUILT" DRAWINGS**
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BLT. DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

C. **PLUMBING "AS-BUILT" DRAWINGS**
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

GENERAL NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U465", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.

STOREFRONT GLASS & GLAZING:

1. REFER TO PLANS, AND DETAILS AND FOR SIZE, AND TYPE.
2. MATERIALS: ALL GLASS AND GLAZING SHALL BE IN ACCORDANCE WITH THE STANDARDS AND RECOMMENDATIONS OF THE CURRENT EDITION OF THE GLAZING MANUAL OF THE FLAT GLASS JOBBERS ASSOCIATION.
A. EACH PIECE OF GLASS SHALL BE LABELED, NOTING THE NAME OF THE MANUFACTURER, GRADE, QUALITY AND TYPE. LABELS SHALL BE INTACT BEFORE AND AFTER INSTALLATION.
3. EXTERIOR GLASS SHALL BE 1/2" CLEAR, FULLY TEMPERED WITH BUTT GLAZED JOINTS, JOINT NOT TO EXCEED 3/8" GAP NOR LESS THAN 1/4". SEAL JOINTS WITH COMMERCIAL GRADE NEUTRAL CURE, CLEAR SILICONE. ACID CURE SILICONE WILL NOT BE ACCEPTED. APPLICATION SHALL BE TAPE AND TOOL.
4. MIRRORS SHALL BE "A" QUALITY 1/4" THICK POLISHED PLATE WITH FULL STAINLESS OR ALUMINUM FRAME AND CONCEALED FASTENERS.
5. STOREFRONT SHALL BE EQUAL TO VISTAWALL ARCHITECTURAL PRODUCTS, OTHER APPROVED MANUFACTURES ARE KAWNEER CO. AND EFCO.
6. ALL ALUMINUM STOREFRONT FRAMING AND DETAILS INDICATED ON THE DRAWINGS AND/OR DETAILS, SHALL BE EQUAL TO VISTAWALL SERIES 2000. THE FRAMING SHALL BE ACCURATELY ASSEMBLED WITH UNEXPOSED FASTENERS UTILIZING EXTRUDED SPLINES, CLIPS AND/OR SNAP-IN FEATURES. ALL GLAZINGSHALL BE HELD IN PLACE BY E.P.D.M. GLAZING GASKETS. NO APPLIED STOPS SHALL BE PERMITTED. ALL EXPOSED SURFACES SHALL BE FREE OF UNSIGHTLY SCRATCHES AND BLEMISHES. THE FINISH SHALL BE ANODIZED ALUMINUM.
7. FINISH OF ALL SILL FLASHING SHALL BE .040" ALUMINUM TO MATCH STOREFRONT MATERIAL.
8. DOOR FRAMES FOR ENTRANCE DOORS SHALL BE ALUMINUM STOREFRONT FRAME WITH CUT OUTS AND BACKING PLATES FOR (3) BUTT HINGES FOR EACH DOOR LEAF. LOCATION OF HINGES TO BE COORDINATED BY GENERAL CONTRACTOR WITH STOREFRONT SUBCONTRACTOR.
9. ALL DOOR AND FRAMING SECTIONS SHALL BE EXTRUDED ALUMINUM ALLOY AND TEMPERED TO MEET OR EXCEED FINISHING AND STRUCTURAL CRITERIA. DOOR STILES AND RAILS, EXCLUDING GLASS STOPS, SHALL BE TUBULAR AND HAVE Ø.125" WALL THICKNESS. ALL WEATHERING SHALL BE HARDBACKED SILICONE TREATED POLYPROPYLENE. ANY EXPOSED FASTENERS SHALL BE ALUMINUM, STAINLESS STEEL OR OTHER NON-CORROSIVE MATERIAL. DOOR VERTICAL STYLES SHALL BE NOMINAL 4-1/4", BE A MINIMUM OF 8-1/2". ALL DIMENSIONS NOTED ABOVE ARE WITH GLASS STOPS ON.
10. ALL EXPOSED SURFACES SHALL BE FREE OF UNSIGHTLY SCRATCHES AND BLEMISHES. THE FINISH SHALL BE ANODIZED, AS PER VISTAWALL ARCHITECTURAL PRODUCTS STANDARD.
11. DOOR STILES AND RAILS SHALL BE ACCURATELY JOINED AT CORNERS WITH CONCEALED REINFORCEMENT BRACKETS SECURED WITH BOLTS AND SCREWS, AND SHALL BE "MIG" WELDED. DOORS SHALL HAVE SNAP-IN STOPS WITH BULB GLAZING VINYL ON BOTH SIDES OF GLASS. NO EXPOSED SCREWS SHALL BE PERMITTED. EACH DOOR LEAF SHALL BE EQUIPPED WITH AND ADJUSTING MECHANISM LOCATED IN THE TOP RAIL NEAR THE LOCK STILE, WHICH PROVIDES FOR MINOR CLEARANCE ADJUSTMENTS AFTER INSTALLATION. WEATHERING SHALL BE INSTALLED IN THE HINGE STILE OF PAIR OF DOORS. DOOR FRAME AND SIDELIGHT FRAMING SHALL BE ACCURATELY JOINED AT CORNERS WITH CONCEALED SCREWS.
12. DESIGN CRITERIA FOR WIND LOADS SHALL BE IN ACCORDANCE WITH ASCE-7-98 DESIGN WITH WIND VELOCITY OF 100 M.P.H, BUILDING IMPORTANCE FACTOR OF 1.10
13. ALL HARDWARE FOR ENTRANCE DOORS, WITH THE EXCEPTION OF THE CYLINDERS, SHALL BE FURNISHED AND INSTALLED BY ALUMINUM STOREFRONT CONTRACTOR AS FOLLOWS:
A. 1-1/2 PAIR OF 4-1/2" BUTTS
B. ADAMS-RITE 8400 SERIES MORTISE EXIT DEVICE
C. LCN SUPER SMOOTHEE MOUNTED PARALLEL ARM WITH DROP PLATE
D. BUG SWEEP WITH SLIDE ON COVER
E. MANUFACTURER'S STANDARD WEATHERSTRIPPING
F. PH - 11 PULL HANDLE ON EXTERIOR
G. ALL HARDWARE SHALL BE FINISHED AS SELECTED BY THE OWNER.
14. ALL ITEMS SHALL BE SET IN THEIR CORRECT LOCATIONS AS SHOWN ON THE DRAWINGS AND SHALL BE LEVEL, SQUAREM PLUMB, AND AT PROPER ELEVATION AND IN ALIGNMENT WITH OTHER WORK. THIS CONTRACTOR SHALL DO ALL CAULKING AND SEALING ASSOCIATED WITH THIS WORK.
15. SEAL ALL JOINTS. FRAMING MEMBERS SHALL BE SCREWED IN PLACE USING BACKING, ANCHOR PLUGS, OR STRAPS AS REQUIRED. WHERE MOLDINGS ARE JOINED, THEY SHALL BE ACCURATELY CUT AND FITTED TO RESULT IN A TIGHTLY CLOSED HAIRLINE JOINT. NO UNFINISHED ALUMINUM SHALL BE VISIBLE.
16. DOORS SHALL OPERATE FREELY AND SHALL NOT RATTLE WHEN CLOSED. SWING TYPE DOORS SHALL HAVE HEAD AND JAMB CLEARANCE OF 3/32" PLUS OR MINUS 1/32".
17. AFTER ERECTION, THE CONTRACTOR SHALL PROTECT EXPOSED PORTIONS FROM DAMAGE BY MACHINES, PLASTER, LIME, PAINT, ACID, CEMENT, OR OTHER HARMFUL COMPOUNDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF PROTECTIVE MATERIALS AND CLEANING PER STOREFRONT FRAMING MANUFACTURER'S PRINTED INSTRUCTIONS.

GENERAL MILLWORK NOTES:

1. REFER TO SHEETS F.1 AND F.2 FOR ALL MILLWORK DETAILS, NOTES AND SPECIFICATIONS, ALONG WITH SHOP DRAWING SUBMITTALS.

GENERAL H.V.A.C. NOTES:

1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/D.1a.
2. HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
3. HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
4. HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
5. IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
6. FLEXIBLE DUCT SHALL BE ; FULLY ANNEALED, CORRUGATED ALUMINUM W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L. LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LINER & WRAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE FOILFACED, R4.2/R6.0 DUCTBOARD.
7. ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
8. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALAIRE, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
9. N/A
10. HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFG'R.
11. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
12. ALL EQUIPMENT SHALL BE ; FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
13. ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
14. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
15. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 80% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
16. HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
17. IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-ORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
18. COORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE Nr. 29, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

GENERAL PLUMBING NOTES:

1. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
3. ALL MATERIALS SHALL BE NEW.
4. ALL WORK SHALL BE PREFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
6. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
8. ALL WATER DISTRABUTION SUPPLY PIPING SHALL BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
9. N/A
10. SOIL, WASTE & VENT PIPING SHALL BE SCHEDULE 40 PVC, SEE NOTE 12
11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE GLUED P.V.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
12. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
17. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".
EXCEPTION: PAINT AND DECORATIVE CEMENTICUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY "LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

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 LATEST 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-LATEST EDITION.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THUN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #8 AND 4 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. 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 700-12F.
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.

REVISION:
08SEP 2008

DRAWN:
mpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
GENERAL NOTES

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

DATE:
18 AUG 2008

COMM:
K814

SHEET:
A.6
6 OF 8

AR0017005

8" X 8" MONOLITHIC THICKENED EDGE W/ 2 #5 X CONT., BOTTOM

+/- Ø'-1 1/4" TOP OF STAIR PAD

5'-11"

4" CONC. PAD - BROOM FIN. W/ 6X6 10/10 WWM REINF'G

16" SQ. X 8" CONC. PAD - BROOM FIN. W/ 2 #5 REBAR EA. WAY, BOTTOM

3" O.D. STL. PIPE POST W/ 7" SQ X 3/8" BASE PL. W/ 2 - 1/2"ø A.B. X 7" W/ 1 1/2"ø WASHERS & NUT

+/- Ø'-1" TOP OF PATIO SLAB

+/- Ø'-Ø" TOP OF FLOOR SLAB

4" SMOOTH STEELED TROWLLED CONC. SLAB, W/ FIBERMESH REINFORCING, OVER 6 MIL PLASTIC SHEETING, ON CLEAN, WELL COMPACTED SAND FILL, TERMITE TREATED
NOTE!
LAP EDGES OF 6 MIL VAPOR BARRIER MIN. 6" - SEAL ALL JOINTS, TEARS AND PIPING PENETRATIONS WITH DUCT TAPE

1" DEEP SAW-CUT SLAB EXPANSION JOINT - CUT AFTER INITIAL SET OF CONCRETE

PROVIDE STEMWALL REINFORCING AS PER DETAILS J.1 & J.2/D.6b/FM AT 48" O.C. ALONG ALL EXTERIOR WALLS AND ALL CORNERS - PROVIDE A CONTINUOUS BOND BEAM AS PER THE DETAIL J.1/D.6b/FM W/1 #5 REBAR, CONT., ALL AROUND TOP OF STEMWALL.

8" CONC. BLOCK WALL, W/ CONC. FILLED CELLS, REINFORCED W/ 1 #5 REBAR HOOKED TO THE FOOTING BELOW AND TO THE TIE BEAM, ABOVE, @ 32" O.C., ADJACENT TO WALL OPNGS & @ CORNERS/INTERSECTIONS PROVIDE HORZ. 9 GA. LADDER JOINT REINFORCEMENT @ 16" O.C. VERTICALLY (ALTERNATING BLOCK COURSES) WALL REINFORCING TO EXTEND INTO NEXT LEVEL A MIN. OF 40 BAR DIA. LAP SPLICE, TYP. T.O.

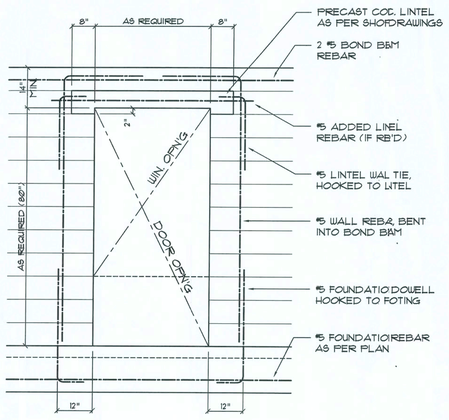
16" X 12" MONOLITHIC THICKENED EDGE W/ 2 #5 X CONT., BOTTOM

2X4 FRAMING @ 16" O.C. MAX. W/ 1/2" CDX PLYWD. SHEATHING - 8d NAILS @ 4" O.C. T.O.

24" X 12" X CONTINUOUS FOOTING, W/ 3 #5 REBAR, BOTTOM, CONT., 4 WIRE CHAIRS @ 48" O.C., TYP. ALL AROUND

+/- Ø'-Ø½" HIGH FT. OF ENTRY SLAB

SLOPE



Typical Door/Window Opening Reinforcing DETAIL

SCALE: 1/2" = 1'-Ø"

Foundation PLAN

SCALE: 3/16" = 1'-Ø"

NOTE!
ALL BLOCK CELLS CONTAINING VERTICAL REINFORCING, SHALL BE SOLIDLY FILLED WITH CONCRETE - SEE GENERAL NOTES

NOTE!
REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL FROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

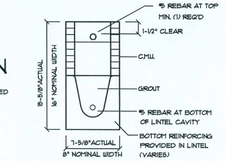
NOTE!
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC, SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 100 MPH PER 2007 FBC 1606 AND LOCAL JURISDICTION REQUIREMENTS

NOTE!
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

TYPE DESIGNATION

F = FILLED WITH GROUT / U = UNFILLED
QUANTITY OF #5 REBAR AT BOTTOM OF LINTEL CAVITY
8F16-1B/1T
NOMINAL WIDTH
NOMINAL HEIGHT
QUANTITY OF #5 REBAR AT TOP



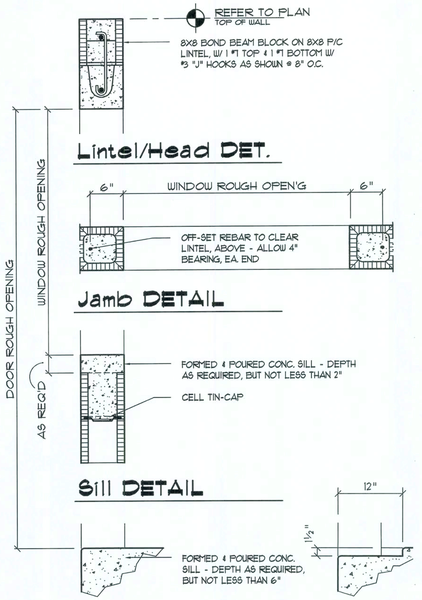
DETAIL A/3
PRE-CAST LINTEL OVER GARAGE DOOR
PRE-CAST LINTELS = LANAI COLUMNS

8" PRECAST W/ 2" RECESS DOOR/WINDOW U-LINTELS

MARK	LENGTH	TYPE	8R16	GRAVITY 8RF6-2B / 8RF6-1B	8RF10-2B / 8RF10-1B	8RF14-2B / 8RF14-1B	8RF18-2B / 8RF18-1B	8RF22-2B / 8RF22-1B	8RF26-2B / 8RF26-1B	8RF30-2B / 8RF30-1B
L22	4'-4" (52")	PRECAST	1485	1591	3093	2582	3184	4929	5924	6886
				1827	3412	4582	6412	7841	9416	10878
L24	5'-8" (68")	PRECAST	785	832	1602	1560	2068	2546	3673	3565
				1153	2162	4074	6412	6516	5814	6839
L27	7'-6" (90")	PRECAST	665	761	1371	2252	1958	2451	2944	3439
				1164	1371	2329	3609	5452	6624	5132

REVISION:	Copyright 2008 ©N.P. Geisler, Architect	NEW MEDICAL OFFICE BUILDING for: M. A. FAISAL, M.D. LAKE CITY, FLORIDA FOUNDATION PLAN	NICHOLAS PAUL GEISLER ARCHITECT N.C.A.R.B. Certified	DATE: 18 AUG 2008 COMM: 2K814	SHEET: S.1 1 OF 4
	DRAWN: rpg		1758 NW Brown Rd. Lake City, FL 32055 386-755-6021		

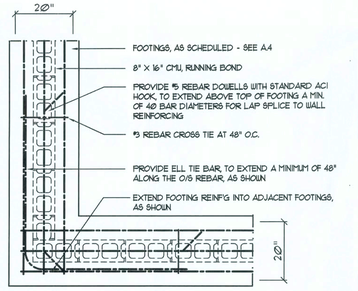
14 May 2009
AR0007905

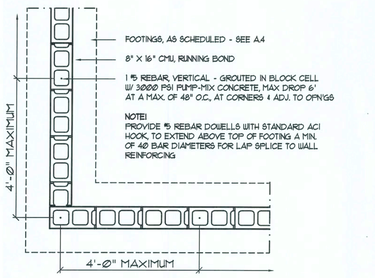


Masonry Opn'g DET'S

SCALE: 1" = 1'-0"

E

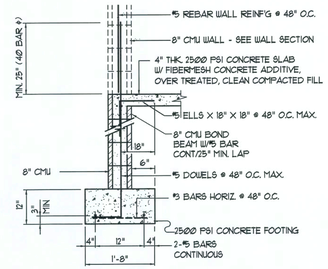




Wall/Foundation Reinf'g DETAIL

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

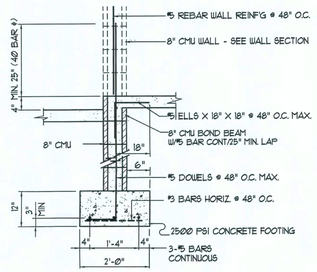
A



STEMWALL SECTION

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

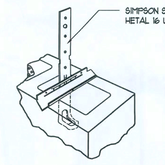
C



STEMWALL SECTION

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

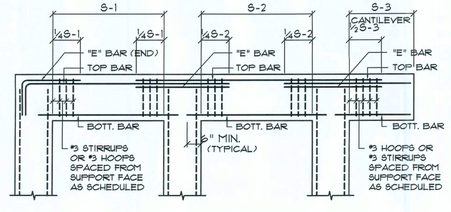
D



Truss Anchor DETAIL

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

E



BOTTOM BARS - TOP BARS - "E" BARS

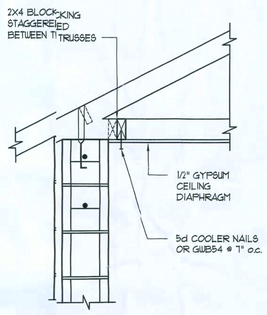
BENDING DIA.: CAST-IN-PLACE CONCRETE BEAMS & SLABS

SCALE: NONE

F

GENERAL BEAM SCHEDULE NOTE:

1. SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE S-6 & HOOPS SHALL BE TYPE T-2 TYPICAL CRSI BAR BENDS UNLESS NOTED OTHERWISE.
2. BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAMS.
3. ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE POURED PRIOR TO PLACING OF BLOCK BELOW.
4. ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS ONLY. ALL SPLICES SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
5. ALL TIE BEAM TOP REINFORCING SHALL EXTEND INTO SPAN OF ANY ADJACENT STRUCTURAL BEAM AS PER BENDING DIAGRAM.
6. DROP TOP BOTTOM OF TIE BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (28" MAXIMUM) AND ADD 2 #5 BOTTOM IF DROP EXCEEDS 8".
7. TIE BEAM SCHEDULED DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK WORK.
8. ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND A MINIMUM OF 6" INTO SUPPORT UNLESS NOTED OTHERWISE.
9. MARK "C" IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THROUGH THESE TWO BEAMS.

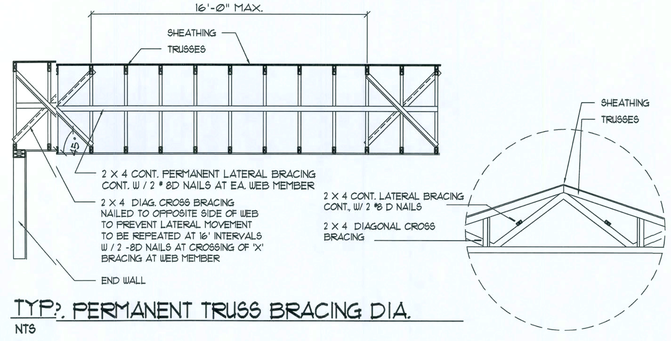


GYPSUM CEILING DIAPHRAGM TO SIDEWALL CONNECTION

Roof Edge DETAIL

SCALE: NONE

X



TYP. PERMANENT TRUSS BRACING DIA.

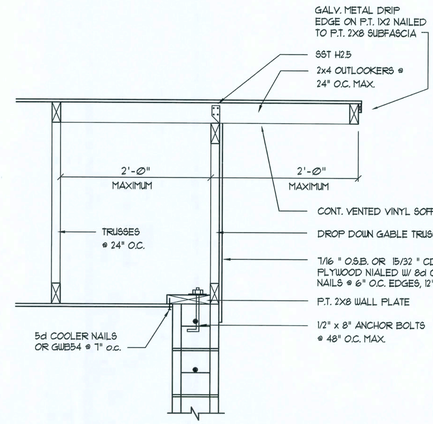
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

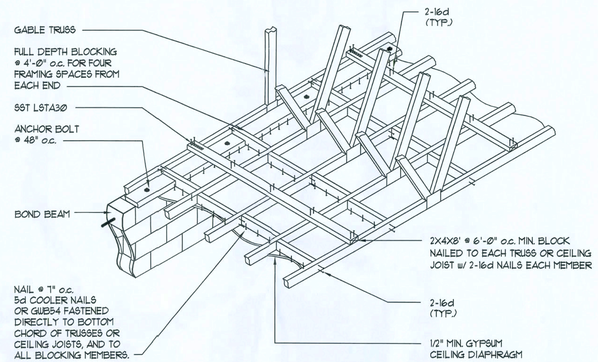
Z



Gable End DETAIL

SCALE: NONE

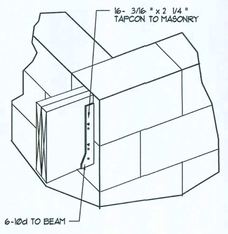
Y



DIRECT TRUSS TO MASONRY CONNECTION ENDWALL FOR GYPSUM CEILING DIAPHRAGM

SCALE: NONE

W



"Simpson" HUSC410

SCALE: NONE
WOOD BEAM TO MASONRY

V

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
STRUCTURAL DETAILS

REVISION:

DRAWN:
mpg

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9022

DATE:
18 AUG 2008
COMM
2K814

SHEET
S.2
2 OF 4

AR#107005

ANCHOR ALL TRUSSES WITH 2 "SIMPSON" H2.5A STRAPS, MIN. EA. END, EA. TRUSS TO P/T 2X8 NAILER, SECURED TO TIE BEAM W/ 5/8"ø A.B. & 3" SQ. X 1/4" WASHERS @ 48" O.C. TYPICAL, T.O.

2X4 SUB-FASCIA, TYPICAL @ ALL TRUSS EAVES & GABLE ENDS

+ 10'-1 1/2" TOP OF TRUSS BEARING

97'-10 1/4"

61'-10 1/4"

6'-3 1/2"

10'-0" | 30'-0" | 2 3/4" 4'-7 1/2" 1'-1 3/4" | 32'-0" | 6 1/4" | 38'-3 1/4" | 1'-2 1/2" 8'-0" 1'-1 3/4" 4'-7 1/2" 2 3/4" | 24'-0" | 10'-0"

TR-3 TR-1 TR-2 TR-1 TR-2 TR-1 TR-2 TR-1 TR-3

ROOF TRUSSES AS PER ENGIEERED TRUSS SHOP DRAWINGS @ 24" O.C. - REFER TO TRUSSPLACEMENT SHOP DRAWING FOR EXACT TRUSS LAYOUT & UPLT REQUIREMENTS

DBL. GIRDER TRUSS

SHEATH FLOOR W/ 3/4" T&G CDX PLYWD. PLACED W/ LONG DIMENSION PERPENDICULAR TO THE FLOOR TRUSSES, SECURE TO FRAMING W/ 1" 12d NAILS - 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS.

DBL. TRUSS | DBL. TRUSS | DBL. TRUSS | DBL. TRUSS

30x6

DBL. GIRDER TRUSS

24'-1"

+ 11'-10 3/4" TOP OF FLOOR DECK

TR-4

4'-11" | 33'-4 1/2" | 38'-6 3/4" | 10'-0 3/4" | 4'-11"

91'-10"

+ 16'-5 1/4" TOP OF TRUSS BEARING

DBL. GIRDER TRUSS

ANCHOR ENTRY TRUSSES WITH "SIMPSON" H2.5A STRAPS, MIN. EACH END, EACH TRUSS TO DBL. TOP PLATE ALONG WALL CONSTRUCTED ABOVE DOUBLE MAIN ROOF TRUSS, BELOW TYPICAL, AT ENTRY

Attic Storage Loft PLAN

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

GROSS STORAGE LOFT - 2501.8 SF
W/ HVAC ROOMS @ EACH END

GENERAL TRUSS NOTES:

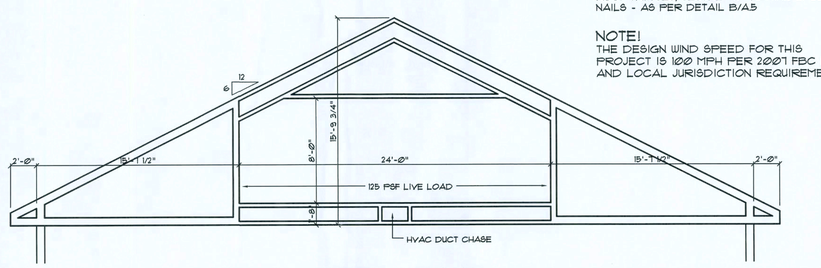
1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

NOTE!
OSB SHEATHING AND CDX PLYWD. SHEATHING SHALL BE CONSIDERED AS EQUAL - EQUIVELENT PRODUCT THICKNESS & EDGE CONDITION SHALL BE MAINTAINED

NOTE!
ANCHOR GIRDER TRUSS(ES) TO 2X8 P/T WALL PLATE WITH "SIMPSON" MGT, SECURED TO TIE BEAM W/ 1 - 5/8"ø A.B.

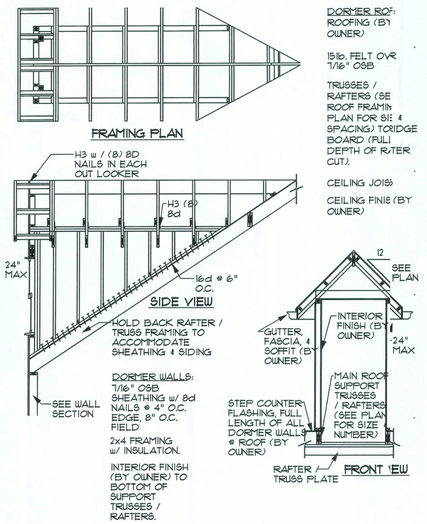
NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD OR 7/16" ORIENTED STRAND BOARD (O.S.B.), PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL B/A5

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 100 MPH PER 2007 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS



Attic Truss PROFILE

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



Dormer Framing DETAIL

SCALE: N.T.S.

A1

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25 AUG 2008 29 APR 2009 05 MAY 2009	DRAWN: rp8

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
ROOF FRAMING PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9521

DATE:	SHEET:
18 AUG 2008	S.3
COMM: 2K814	3 OF 4

AR0007005

GENERAL STRUCTURAL NOTES

GENERAL:

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMET, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMA". THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.

2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.

3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL TE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WOK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR ORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR AL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.

4. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENER. NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHA. BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISIONS AND THE COST OF RECTIFYING THE SAME.

5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO OCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, OLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH TH WORK.

SHOP DRAWINGS AND DELEGATED ENGINEERING (WHERE REQUIRED):

1. ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ARCHITECT'S REVIW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL SAMP. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSINS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSINS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIT, CHECKING OR REVIEW OF DRAWINGS BY THE ENGINEER AND EVEN THOGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.

2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGEERING, PRODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED INFORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT OF-RECORD AND APPROVED BY THE BUILDING DEPARTMENT.

3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDIN ALL DESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN.

4. A/E WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AN SIGNED AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, NLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOAING AND COORDINATION WITH THE STRUCTURAL DESIGN.

5. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT-OF-RECORD, THRE (3) SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DWGS FOR ARCHITET'S REVIEW, BEFORE STARTING FABRICATION. THE ARCHITECT WILL RETURN TWO MRKED-UP AND STAMPED SETS TO THE CONTRACTOR. THESE COPIES SHALL BEISED FOR CONSTRUCTION OR SHALL BE RETURNED TO THE SUPPLIER FOR UDATING OF THE ORIGINAL DRAWINGS. UPDATED ORIGINALS SHALL BE RE-SUBITTED.

CONSTRUCTION MEANS AND METHODS:

1. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATER. BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE TH SOLE RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARNTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING ND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.

2. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF THE STANDARD BUILDING CODE AND APPCABLE LOCAL, STATE AND FEDERAL LAWS.

3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OTHE WORK. REMOVE WHEN WORK IS COMPLETED.

4. N/A

5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIAL, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE.

6. AT THE END OF THE DAY'S WORK, COVER ALL WORK LIKELY TO B DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTN SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.

7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES CAUSED BY TH CONT'R TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER BLIC PROPERTY OR PUBLIC UTILITIES.

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE - 2007 EDITION AND OTHER REFERENCED CODES AN SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATESEDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA:

BASED ON ANSI/ASCE 7-05. BASIC WIND VELOCITY 100 MPH.

3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: . . . . . 20 PSF
SUPERIMPOSED LIVE LOADS: . . . . . 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: . . . . . 25 PSF
SUPERIMPOSED LIVE LOADS:
GROUND FLOOR . . . . . 40 PSF
LOFT FLOOR . . . . . 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

FOUNDATIONS: (SPREAD FOOTINGS)

1. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF MINIMUM. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS FOR AREAS WHERE FOOTINGS BEAR ON FILL.

2. NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 98% MODIFIED PROCTOR (ASTM D-1557).

3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILED ON THE PLANS).

4. TOP OF ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-4" BELOW TOP OF THE LOWER SLAB.

5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND NON-MONOLITHIC) SHALL BE SPLICED 36 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS.

6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS, SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

7. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.

CONCRETE SLABS ON GRADE:

1. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH FIBERMESH CONCRETE ADDITIVE (UNLESS OTHERWISE NOTED).

2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST A.C.I - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI. - 302.1R)

3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT COLUMN CENTER-LINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS, PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS.

4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C. (U.O.N.).

5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO 98% MODIFIED PROCTOR (ASTM D-1557) WITHIN A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE DENSITY TEST FOR EACH 1,000 SQFT. OF AREA AND 12" BELOW SURFACE. SEND RESULTS OF THE TEST TO OWNER AND ARCHITECT.

CONCRETE AND REINFORCING:

1. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318 - LATEST EDITION) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" - (A.C.I. 315 - LATEST EDITION).

2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301 - LATEST EDITION). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (A.C.I. 305R - LATEST EDITION).

3. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 3,000 P.S.I. AT 28 DAYS. MAXIMUM SLUMP 5".

4. ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-615 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE.

5. CONCRETE COVER UNLESS OTHERWISE DETAILED ON DRAWINGS:

FOOTINGS: (BOTTOM). . . . . 3"
(TOP & SIDES) . . . . . 2"

SLABS ON GRADE: CENTERED W/SLAB

COLUMNS AND BEAMS: (TO THE TIES) . . . . . 1-1/2"

6. COLUMN REINFORCEMENT: DOWELS TO BE SAME SIZE AND NUMBER AS VERTICAL REBARS ABOVE. LAP 36 BAR DIAMETER OR MINIMUM OF 18 INCHES, U.O.N. PROVIDE RIGID TEMPLATES FOR DOWEL LOCATION. PROVIDE STANDARD HOOKS AT TOP OF ALL VERTICAL REINFORCEMENT AT NONCONTINUOUS COLUMNS (U.O.N.).

7. ALL DOWELS FOR COLUMNS SHALL BE SECURED IN POSITION PRIOR TO CONCRETING. PUSHING THE DOWELS INTO POSITION IN WET CONCRETE IS NOT PERMITTED.

8. BEAM REINFORCEMENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 INCHES. BOTTOM BARS SPLICED ONLY AT SUPPORTS, TOP BARS SPLICED ONLY AT MID-SPAN. ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES (U.O.N.). ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (U.O.N.).

9. ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND INTERMEDIATE REBARS).

10. SEE PLAN FOR MINIMUM SIZE CONCRETE TIE BEAM REQUIREMENTS.

REINFORCED MASONRY WALLS:

1. HOLLOW LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, TYPE I, GRADE N, SQUARE END, WITH A MINIMUM AVERAGE COMPRESSIVE STRENGTH ON NET AREA OF f'm=2,000 (PSI). CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530.1 SPECIFICATIONS.

2. N/A

3. MORTAR SHALL CONFORM TO ASTM C-270, TYPE "M" OR "S".

4. LAY ALL MASONRY WITH FULL FACE HEAD JOINTS AND WITH FACE SHELL MORTAR BEDDING.

5. MASONRY ANCHORAGE TO SUPERSTRUCTURE SHALL BE PROVIDED IN ACCORDANCE WITH STRUCTURAL DRAWINGS AND DETAILS.

6. THE USE OF ADMIXTURES SHALL NOT BE PERMITTED WITHOUT PRIOR REVIEW OF THE ENGINEER.

7. VERTICAL REINFORCING:

(A) ASTM A-615 PER REINFORCING SECTION.

(B) WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL INCH TO SIX INCHES VERTICAL FOR ALIGNMENT, EVEN THOUGH IT IS IN A CELL ADJACENT TO THE VERTICAL WALL REINFORCING.

(C) VERTICAL REINFORCING STEEL SHALL BE PLACED CENTERED IN THE CELL. LAP 48 BAR-DIAMETERS. PROVIDE BAR SPACERS AS REQUIRED TO MAINTAIN REINFORCING SECURED IN POSITION.

(D) VERTICAL REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF OPENINGS IN WALL, AT WALL INTERSECTIONS, CORNERS AND ENDS. THIS REINFORCING SHALL BE THE SAME SIZE AS THE SCHEDULED WALL REINFORCING FOR THE PARTICULAR WALL BUT NEVER LESS THAN A #5 REBAR. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT CELLS TO BE GROUTED LINE UP PROPERLY AND ARE CLEAN OF EXCESS MORTAR.

(E) ALL VERTICAL REINFORCING SHALL BE HOOKED INTO THE BOND BEAMS AT THE NON-CONTINUOUS END OF THE REBARS.

(F) PROVIDE INSPECTION HOLES AT THE BOTTOM OF EACH REINFORCED MASONRY CELL, AS REQUIRED FOR LIFTS HIGHER THAN 5 FT.

8. HORIZONTAL REINFORCING:

PROVIDE GALVANIZED #9 GAGE, LADDER TYPE HORIZONTAL JOINT REINFORCING EVERY SECOND BLOCK COURSE (1'-4" O.C. VERTICALLY) LAPPED 7-1/2". PROVIDE SPECIAL HORIZONTAL REINFORCING AT "T" AND "L" INTERSECTION. ANCHOR TO COLUMNS WITH MINIMUM 4" EXTENSION INTO AREA OF POUR.

9. PROVIDE "DOVE-TAIL" ANCHORS AT 16" O.C. VERTICALLY FOR ALL MASONRY PLACED ADJACENT TO ALREADY IN PLACE COLUMNS.

10. CELL FILLING CONCRETE SHALL BE "PEA DOCK" CONCRETE MIX (8" TO 9" SLUMP) OR GROUT WITH f'c=3,500 PSI MIN. AT 28 DAYS.

11. LINTELS:

A. THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE OR CAST-IN-SITE LINTELS AT THE HEADS OF ALL OPENINGS IN MASONRY WALLS NOT EXCEEDING SIX (6) FEET IN WIDTH WHERE BEAMS HAVE NOT BEEN SPECIFIED. FOR OPENING ADJACENT TO CONCRETE COLUMNS - THE LINTEL SHALL BE CAST-IN-PLACE WITH THE COLUMN.

B. LINTEL MAY BE INTEGRAL WITH THE STRUCTURAL OR TIE BEAM WHEN HEAD OF THE OPENING IS 16 INCHES OR LESS BELOW. CONTINUE BEAM'S TYPICAL BOTTOM REBARS THROUGH AND ADD 2-#5 BOTTOM TRUSS BARS AT DROPS AND 2-#3 STIRRUPS AT 6 INCHES O.C. EACH END AT DROP.

C. MINIMUM BEARING FOR ALL LINTELS 8 INCHES EACH SIDE OR PROVIDE DOWELS AND POCKETS IN ADJACENT CONCRETE COLUMNS.

D. LINTEL TO BE MINIMUM OF 8 INCHES DEEP WITH 2-#4 TOP AND BOTTOM FOR CLEAR SPANS LESS THAN 6 FEET, 12 INCHES DEEP WITH 2-#5 TOP AND BOTTOM AND 2-#3 STIRRUPS AT 6 INCHES O.C. EACH END, FOR SPANS GREATER THAN 6 FEET (UP TO 8 FEET). CALL ENGINEER FOR SPANS LARGER THAN 8 FEET WITH NO SPECIFIED BEAMS OR LINTELS OVER.

STRUCTURAL WOOD:

1. TO CONFORM TO RULES OF THE MANUFACTURER'S ASSOCIATION UNDER WHOSE RULES THE LUMBER IS PRODUCED. (SEE SUPPLIER'S SPECIFICATIONS).

2. TO BE AIR DRIED, WELL SEASONED AND GRADE MARKED AT MILL.

3. TO BE NO. 2 SOUTHERN PINE, UTILITY GRADE DOUGLAS FIR OR WEST COAST HEMLOCK.

4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S-4-S) WITH A MINIMUM FIBER STRESS IN BENDING OF 1,200 P.S.I. AND A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.

5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED TO COMPLY WITH AWPA STANDARD LP-2.

6. STORE ALL LUMBER ABOVE GRADE OR FLOOR. STACK TO ALLOW PROPER AIR CIRCULATION AND PROTECT FROM WETTING WITH SUITABLE COVER.

WOOD TRUSSES: (DELEGATED ENGINEERED SHOP DRAWING REQUIRED)

1. DESIGNED AND FABRICATED IN ACCORDANCE WITH "NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENERS" BY NFPA (LATEST REVISION).

2. TRUSSES SHALL BE DESIGNED, SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, WHO SHALL BE ASSIGNED AS A DELEGATED ENGINEER FOR THE CONTRACTOR. THE DELEGATED ENGINEER DESIGN AND INDICATE ON THE SHOP DRAWINGS ALL TRUSS COMPONENTS, TEMPORARY BRACING, BRIDGING, HARDWARE, METAL HANGERS, ANCHORS AND METAL SHAPES AS REQUIRED BY DESIGN OR AS INDICATED ON THE PLANS. ALL METAL PARTS TO BE GALVANIZED.

3. TRUSS DESIGNER ENGINEER SHALL INDICATE THE NET WIND UPLIFT REACTIONS FOR EACH TRUSS AND GIRDER TRUSS. EACH TRUSS SHALL BE STRAPPED TO THE SUPPORT WITH A HURRICANE STRAP (AS PER DETAIL ON PLAN). THE SIZE OF STRAP AND AMOUNT OF NAILS SHALL BE SELECTED BASED ON THE UPLIFT DATA OF THE STRAP AND THE TRUSS SHOP DRAWINGS.

4. ALL SEATS FOR THE WOOD GIRDER TRUSSES HAVE BEEN SPECIFIED BY THE A/E IN COORDINATION WITH LOCATION AND LOADING REQUIRED, PROVIDED BY THE TRUSS MANUFACTURER. THE WOOD TRUSS DESIGNER ENGINEER SHALL PROVIDE INFORMATION AND SHOW ON PLAN, ALL LATERAL BRACING OF ANY TRUSS INDIVIDUAL MEMBERS, AS REQUIRED BY THE TRUSS DESIGN. INDICATE ALL THE REQUIRED LATERAL

REVISION:
08 SEP 2008

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
STRUCTURAL NOTES

NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
386-752-9021
N.Carol. Certified

DATE:
18 AUG 2008

COMM
2K814

SHEET:
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4 OF 4

14 May 09

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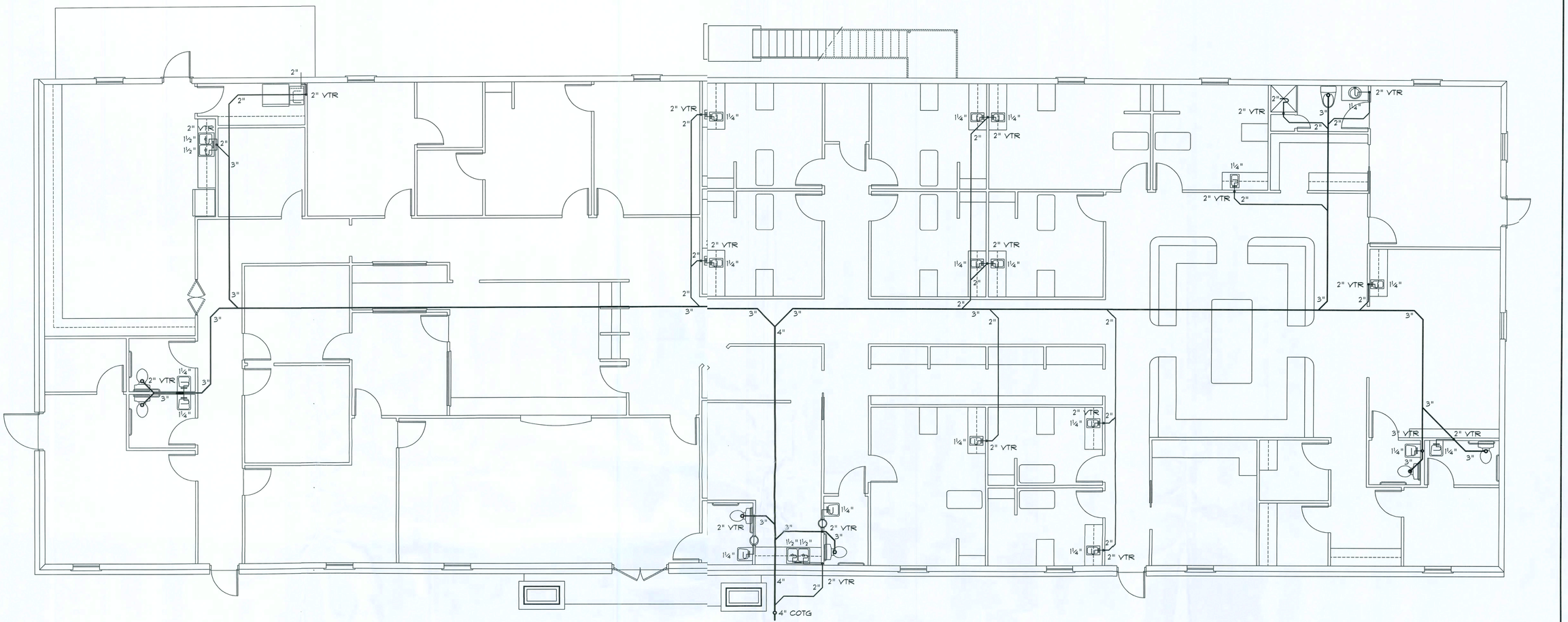
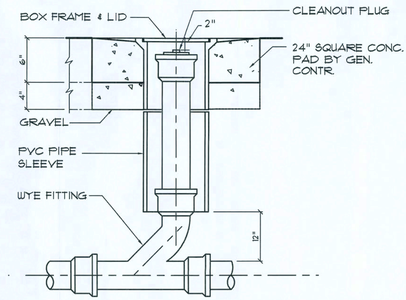


Plumbing PLAN

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

NOTE!
PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 75' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS, WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING, AND AT 75' INTERVALS TO THE DISPOSAL SITE.

NOTE!
REFER TO SHEET A6 FOR GENERAL PLUMBING NOTES



Outdoor Cleanout DETAIL — A

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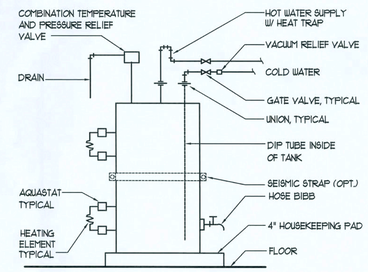

Electric Water Heater DET. — B

SCALE: NONE

REVISION:
29 AUG 2008

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
PLUMBING PLAN

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SHEET:
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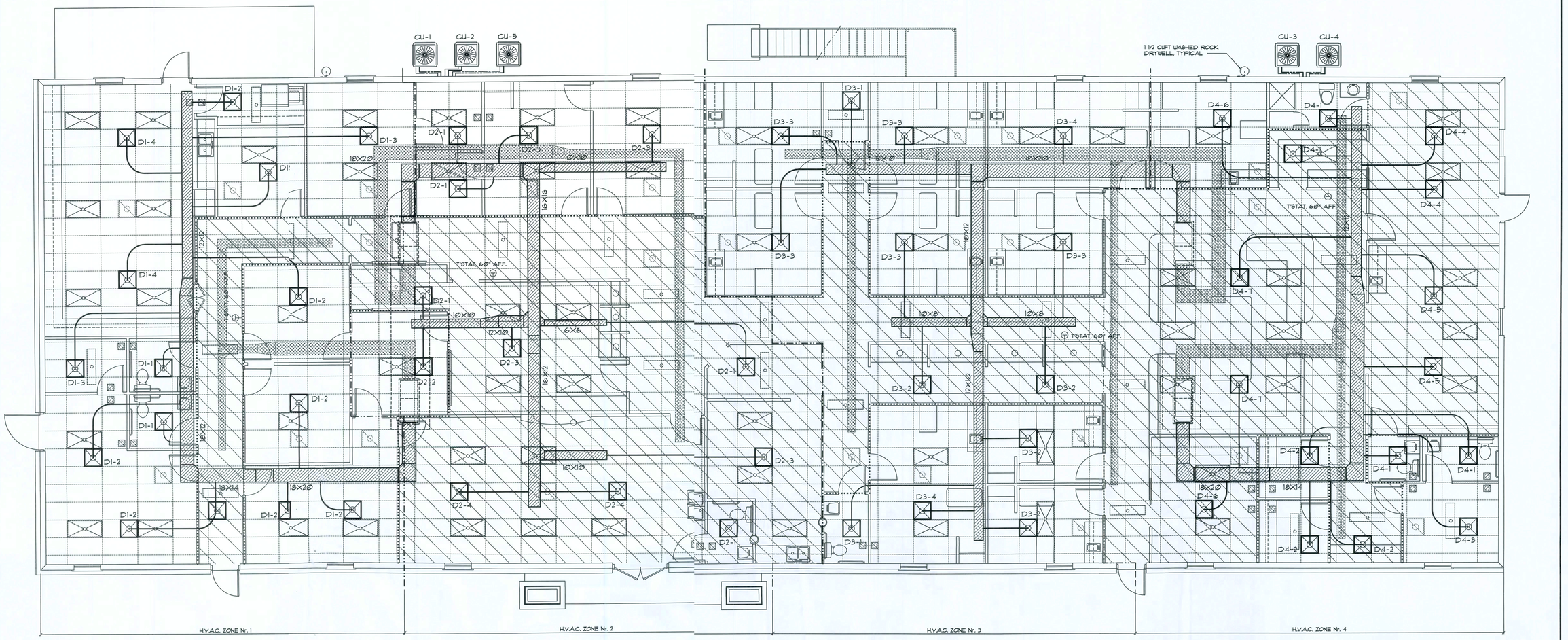

H.V.A.C. PLAN

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

NOTE!
REFER TO SHEET A.6 FOR GENERAL H.V.A.C. NOTES

NOTE!
MOUNT COND. UNITS ON 4" THK. CONC. PAD, SIZED TO EXTEND 4" BEYOND EQUIPMENT, ALL AROUND, SECURE EQUIPMENT W/ STL. STRAPS & TEC SCREWS @ EACH CORNER.
REINF. SLAB W/ 6X6 10/10 WWM.

NOTE!
PROVIDE TURNING VANES @ DUCT TURNS & ADJ. EXTRACTORS @ ALL BRANCH DUCT TAPS

NOTE !
H.V.A.C. CONTRACTOR SHALL PREPARE ENGINEERED SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF SHOP DRAWINGS TO OWNER & 2 COPIES TO THE PERMIT ISSUING AUTHORITY.

NOTE!
ALL DUCT PENETRATIONS OF CEILING WITHIN HATCHED AREA SHALL BE EQUIPTED W/ FUSED FIRE DAMPERS

Air Devise SCHEDULE

SCALE: NONE

DIFFUSER SCHEDULE Nr. 1

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
D1-1	60 CFM	24X24	S/A	4W	4"ø	CEILING
D1-2	130 CFM	24X24	S/A	4W	6"ø	CEILING
D1-3	180 CFM	24X24	S/A	4W	8"ø	CEILING
D1-4	240 CFM	24X24	S/A	4W	10"ø	CEILING

DIFFUSER SCHEDULE Nr. 2

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
D2-1	60 CFM	24X24	S/A	4W	4"ø	CEILING
D2-2	130 CFM	24X24	S/A	4W	6"ø	CEILING
D2-3	240 CFM	24X24	S/A	4W	10"ø	CEILING
D2-4	305 CFM	24X24	S/A	4W	12"ø	CEILING

DIFFUSER SCHEDULE Nr. 3

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
D3-1	60 CFM	24X24	S/A	4W	4"ø	CEILING
D3-2	145 CFM	24X24	S/A	2W	6"ø	CEILING
D3-3	180 CFM	24X24	S/A	4W	8"ø	CEILING
D3-4	245 CFM	24X24	S/A	4W	10"ø	CEILING

DIFFUSER SCHEDULE Nr. 4

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
D4-1	60 CFM	24X24	S/A	4W	4"ø	CEILING
D4-2	80 CFM	24X24	S/A	4W	6"ø	CEILING
D4-3	100 CFM	24X24	S/A	4W	6"ø	CEILING
D4-4	145 CFM	24X24	S/A	4W	6"ø	CEILING
D4-5	170 CFM	24X24	S/A	4W	8"ø	CEILING
D4-6	180 CFM	24X24	S/A	4W	8"ø	CEILING
D4-7	215 CFM	24X24	S/A	4W	10"ø	CEILING

REVISION:
29 AUG 2008
29 APR 2008
05 MAY 2008

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NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
H.V.A.C. PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-5021

DATE: 18 AUG 2008
COMM: 2K814

SHEET: M.1
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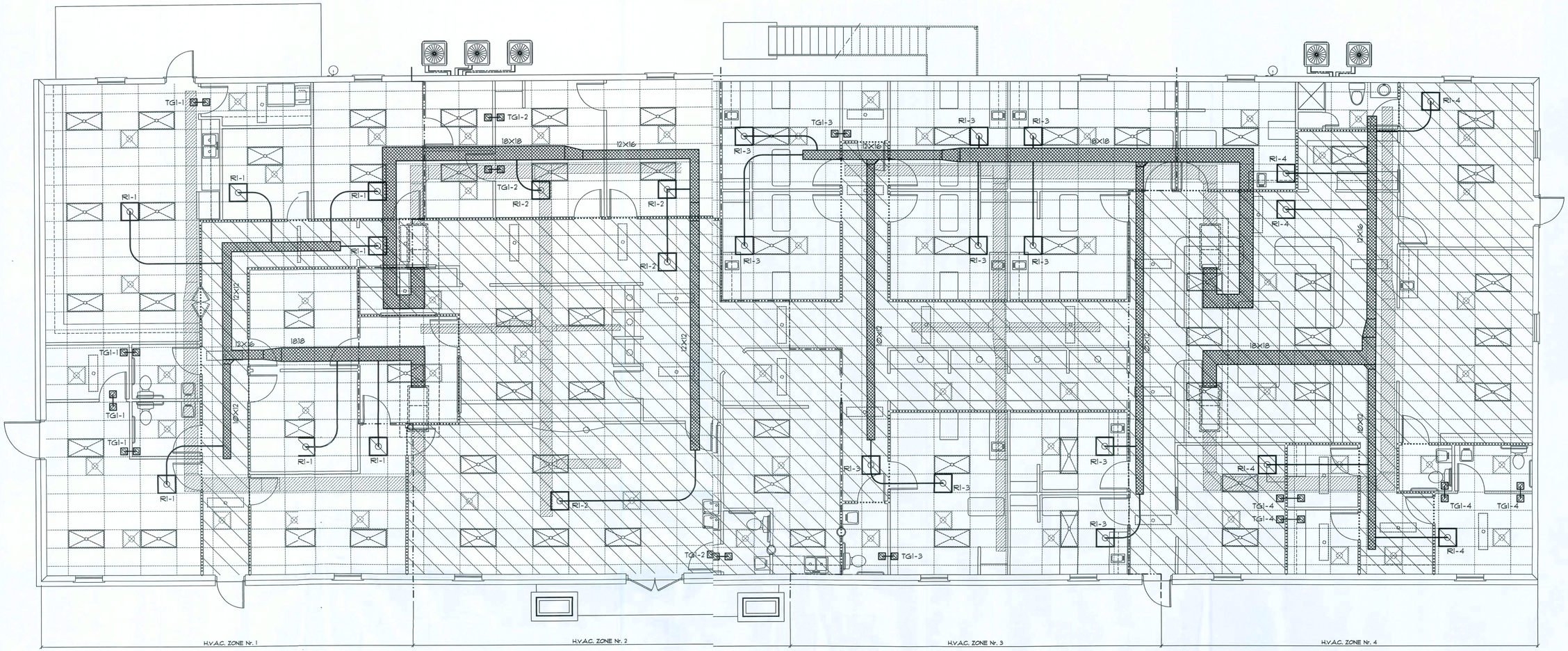

H.V.A.C. PLAN

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

NOTE 1
H.V.A.C. CONTRACTOR SHALL PREPARE ENGINEERED SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF SHOP DRAWINGS TO OWNER & 2 COPIES TO THE PERMIT ISSUING AUTHORITY.

NOTE!
ALL DUCT PENETRATIONS OF CEILING WITHIN HATCHED AREA SHALL BE EQUIPTED W/ FUSED FIRE DAMPERS

Air Devise SCHEDULE

SCALE: NONE

GRILLE SCHEDULE Nr. 1

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
RI-1	300 CFM	24X24	R/A	-	8"ø	CEILING

GRILLE SCHEDULE Nr. 2

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
RI-2	500 CFM	24X24	R/A	-	8"ø	CEILING

TRANSFER GRILLE SCHEDULE

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
TGI-1	100 CFM	12X12	R/A	-	6"ø	CEILING
TGI-2	100 CFM	12X12	R/A	-	6"ø	CEILING
TGI-3	100 CFM	12X12	R/A	-	6"ø	CEILING
TGI-4	100 CFM	12X12	R/A	-	6"ø	CEILING

GRILLE SCHEDULE Nr. 3

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
RI-3	200 CFM	24X24	R/A	-	8"ø	CEILING

GRILLE SCHEDULE Nr. 4

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LOCATION
RI-4	400 CFM	24X24	R/A	-	8"ø	CEILING

REVISION:
05 MAY 2009

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
H.V.A.C. PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
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1758 NW Brown Rd.
Lake City, FL. 32055
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DATE:
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SHEET:
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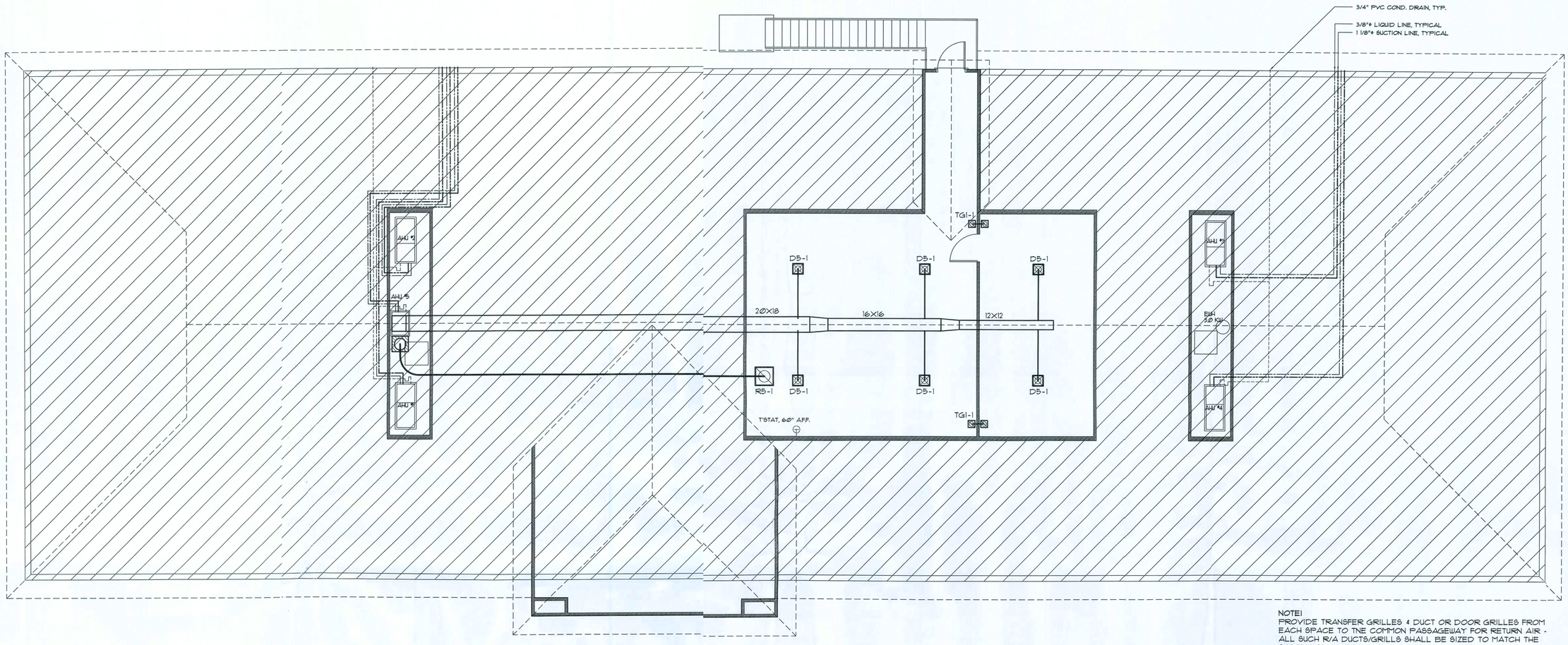
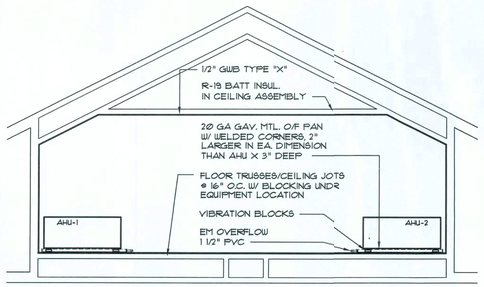


NOTE!
PROVIDE TRANSFER GRILLES & DUCT OR DOOR GRILLES FROM EACH SPACE TO THE COMMON PASSAGEWAY FOR RETURN AIR - ALL SUCH R/A DUCTS/GRILLS SHALL BE SIZED TO MATCH THE SUPPLY AIR VOLUME



AHU Equip Mounting DETAL

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

DIFFUSER SCHEDULE Nr. 5

MK.	CFM	SIZE	STYLE	PAT'N	FLEX	LCATION
D5-1	250 CFM	14X14	CHI	4W	10"ø	CILING
R5-1	2000 CFM	24X24	R/A	-	18"ø	CILING

LOFT H.V.A.C. PLAN

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

NOTE!
REFER TO SHEET A.6 FOR GENERAL H.V.A.C. NOTES ,

NOTE!
MOUNT ALL AHU ON VIBRATION ISOLATION PADS AS PER DETAILON M2.1, INCLUDING EM. OVERFLOW DRAIN PANS, EA. SYSTEM - DRAIN LINE SHALL BE ARRANGED TO DRIP OVER A LAVATORY OR SINK

NOTE!
A PART OF YOUR AIR CONDITIONING SYSTEM, THE AIR HANDLER, IS LOCATED IN THE ATTIC. FOR PROPER, EFFICIENT, AND ECONOMIC OPERATION OF THE AIR CONDITIONING SYSTEM, YOU MUST ENSURE THAT REGULAR MAINTENANCE IS PERFORMED. YOUR AIR CONDITIONING SYSTEM IS EQUIPPED WITH ONE OR BOTH OF THE FOLLOWING:

1) A DEVICE THAT WILL ALERT YOU WHEN THE CONDENSATION DRAIN IS NOT WORKING PROPERLY OR

2) A DEVICE THAT WILL SHUT THE SYSTEM DOWN WHEN THE CONDENSATION DRAIN IS NOT WORKING.

TO LIMIT POTENTIAL DAMAGE TO YOUR BUILDING, AND TO AVOID DISRUPTION OF SERVICE, IT IS RECOMMENDED THAT YOU ENSURE PROPER WORKING ORDER OF THESE DEVICES BEFORE EACH SEASON OF PEAK OPERATION.

H.V.A.C. Equipment SCHEDULE

SCALE: NONE

EQUIPMENT SPECIFACATION: EQUAL EQUIPMENT BY LISTED MFG'RS IS APPROVED												
SYS.	MK	MOD	TOTAL COOL	SENSIBLE	HEATING	EER/ SEER	HSPF	ESP	KW	CFM	VOLTAGE	LIQUID	SUCTION
1-5	"RUUD"	CU: UPPA-061-JAZ AHU: UBHK-25J14SH8	53500 BTU	41400 BTU	47°F DB = 53500 BTU 17°F DB = 32000 BTU	13.50	8.10	.30"	5.37 14.00	2000	208V - 1ø	3/8"ø	1 1/8"ø

EQUIPMENT REQUIREMENTS

SYSTEM DISCRIPTION:

H.V.A.C. SYSTEM SHALL BE A SPLIT SYSTEM, WITH AN O/S CONDENSING UNIT AND 1/5 AIR HANDLERS. THE SYSTEM SHALL BE A HEAT PUMP CONFIGURATION

NOTE: ELECTRICAL REQUIREMENTS, WIRING, FUSES, STARTERS AND CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER FOR A COMPLETE & OPPERATING SYSTEM. ACCESSORY ITEMS, IE: DRIERS, RECEIVERS, MOUNTING EQUIPMENT AND THE LIKE SHALL BE PART OF THE SYSTEM AS REQUIRED.

SUPPLY DIFFUSERS / RETURN GRILLES

1. AIR DEVICES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL AND CEILING LOCATIONS.
2. DIFFUSERS SHALL HAVE OPPERABLE DAMPERS W/ CURVED BLADE ADJUSTABLE VANES IN ALL WALL & CEILING APPLICATIONS, AND OPPOSED BLADE DAMPERS IN FLOOR LOCATIONS.
3. RETURN AIR GRILLES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL & CLG. LOCATIONS.
4. RETURN AIR GRILLES SHALL HAVE AN OPPERABLE FACE W/ A FILTER HOLDER INCLUDED.

DUCTWORK

1. DUCTWORK SHALL BE R42 FOIL FACED RIGID FIBERGLASS OR R8.0 FOIL FACED RIGID FIBERGLASS IN ATTIC AREAS, FOR ALL MAIN TRUNK LINES W/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.
2. ALL TURNING VANES, EXTRACTORS AND DAMPERS SHALL BE INCLUDED AND SHALL BE FABRICATED FROM GALV. SHEET METAL.
3. ALL JOINTS IN DUCTWORK SHALL BE LAP SPLICED IN THE DIRECTION OF FLOW AND SEALED W/ FOIL FACED DUCT TAPE.

REVISION:
25 AUG 2008
23 SEP 2008
29 APR 2009
05 MAY 2009

DRAWN: rpg

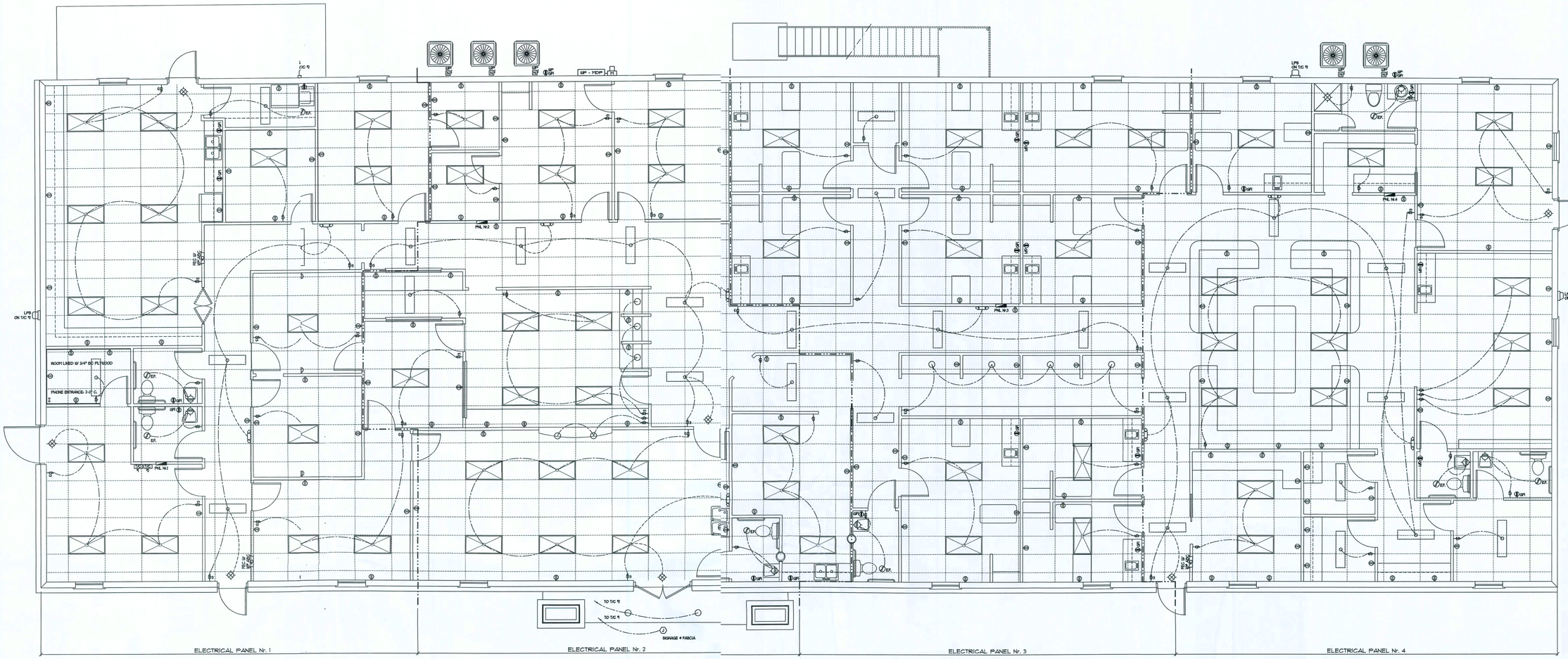
NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
H.V.A.C. LOFT PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL. 32055
386-755-8021

DATE: 18 AUG 2008
COMM: 2K814

SHEET: M.3
3 OF 3

AR0007005



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.

CONSULT THE OWNER OR THE NUMBER OF SEPERATE CAT5 COMPUTER LOCATIONS

RECEPTICALS IN RESTROOMS, WET 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 OUTLET SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR. SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING AL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELC. PLAN, ADDNS 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 INLUDE 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.

Electrical PLAN

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

NOTE!
REFER TO SHEET A6 FOR GENERAL ELECTRICAL NOTES

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

FIRE/INTRUSION ALARM SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE = ALARM - INTRUSION ALARM SYSTEM. THE OPPERATION OF WHICH SHALL ALERT THE BUILDING OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND OPPERATING FEATURES SHALL BE AS REQUIRED BY NFPA 101, 2000 EDITION, "LIFE SAFETY CODE" SECTION 4.3.4

Electrical SYMBOLS

POWER

- DUPLEX WALL RECEPTACLE
- 240V OUTLET
- GFI GND FAULT INTERRUPTER DUPLEX RECEPT.
- WP GFI WEATHER PROOF GFI DUPLEX RECEPT.
- J JUNCTION BOX
- ELECTRICAL PANEL
- UP MDP ELECTRICAL PANEL
- EF. EXHAUST FAN
- NF NON-FUSED DISC. SWITCH

LIGHTING

- S SPST WALL SWITCH
- 3 DPDT WALL SWITCH (3-WAY)
- P SPST WALL SWITCH, W/ DIMMER
- 4 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- 2 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- INC. LIGHT FIXTURE
- HIGH HAT DOWN LIGHT
- VP VAPOR PROOF INC. LIGHT FIXTURE
- EXIT LIGHT, GREEN FONT, BAT. BACK-UP
- DBL. LAMP EM. LIGHTING PAK, W/ BAT. BACK-UP
- SWITCH/FIXTURE WIRING
- CONTROL WIRE / LOW VOLTAGE
- TIME CLOCK
- LP6 NEW LP6 WALL PAK W/ LEXAN LENSE

REVISION:
29 AUG 2008

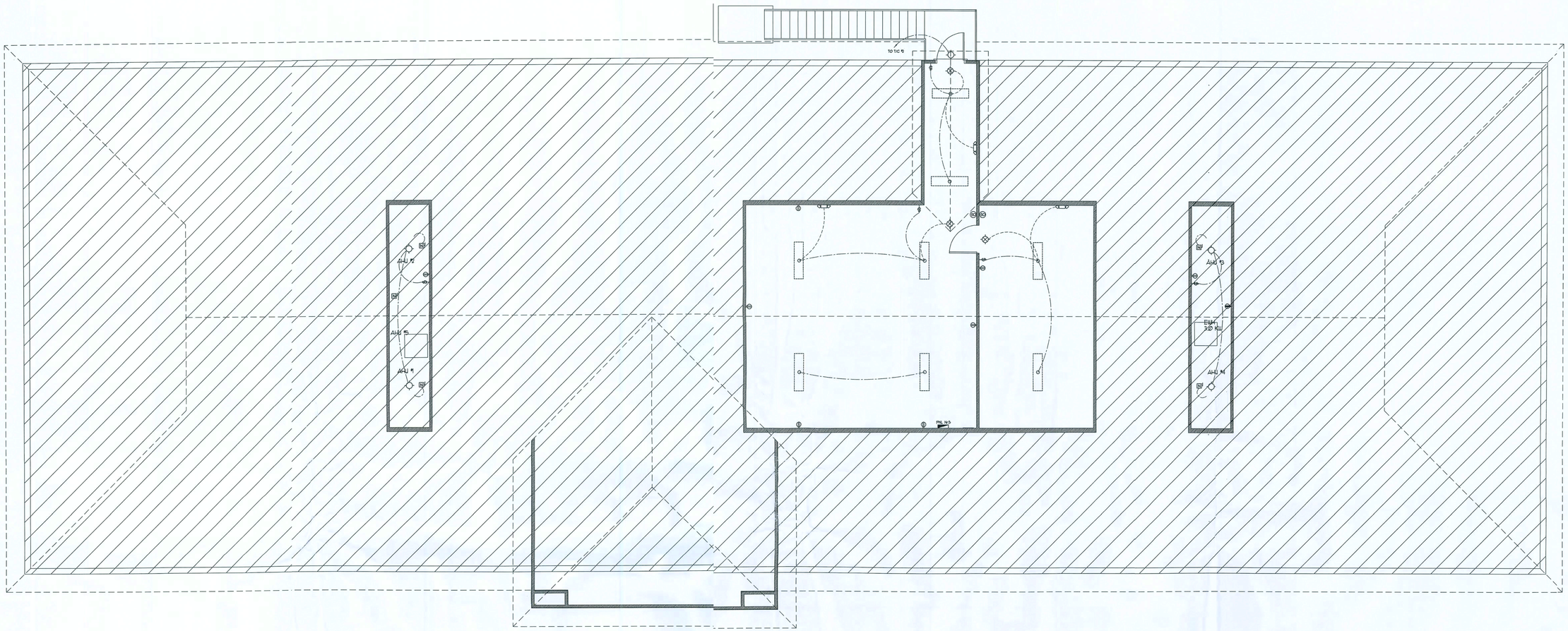
DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
ELECTRICAL PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL. 32055
386-758-8201

DATE: 18 AUG 2008
COMM: 2K814
SHEET: E.1
1 OF 3

AR0007005



Loft Electrical PLAN

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

NOTE!
REFER TO SHEET A.6 FOR GENERAL ELECTRICAL NOTEES

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

REVISION:
25 AUG 2008
29 APR 2009
05 MAY 2009

DRAWN:
rpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
ELECTRICAL PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL. 32055
386-755-6021

DATE: 18 AUG 2008
COMM: 2K814

SHEET: E.2
2 OF 3

14 May 2009
AR0007005

FNL "1": 125A - 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	RECEPT.	20A/1P	12TW	1.11	2.22	-	-	1.11	12TW	20A/1P	RECEPT.	2
3	"	"	"	1.11	-	2.22	-	1.11	"	"	"	4
5	"	"	"	1.11	-	-	2.22	1.11	"	"	"	6
7	REF.	"	"	1.20	1.60	-	-	Ø.40	"	"	RESTROOM	8
9	REF.	"	"	1.20	-	3.80	-	2.60	10TW	30A/2P	WASH/DRY	10
11	RESTROOM	"	"	Ø.40	-	-	3.00	2.60	"	"	"	12
13	FLU 2X4	"	"	Ø.68	1.36	-	-	Ø.68	12TW	20A/1P	FLU 2X4	14
15	"	"	"	Ø.68	-	1.36	-	Ø.68	"	"	"	16
17	FLU 1X4	"	"	Ø.40	-	-	Ø.94	Ø.54	"	"	LP8 LTG	18
19	SPARE	-	-	Ø.54	1.08	-	-	Ø.54	"	"	O/8 INC. LTG	20
21	"	-	-	Ø.54	-	1.08	-	Ø.54	-	-	SPARE	22
23	"	-	-	Ø.54	-	-	1.08	Ø.54	-	-	"	24
25	HVAC CU Nr.1	40A/3P	8TW	(1.28)	3.60	-	-	3.60	6TW	60A/3P	HVAC AHU Nr.1	26
27	"	"	"	(1.28)	-	3.60	-	3.60	"	"	"	28
29	"	"	"	(1.28)	-	-	3.60	3.60	"	"	"	30
31	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	32
33	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	34
35	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	36
37	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	38
39	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	40
41	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	42

ΦA 9.86 KW / 120 V = 82.2 AMPERS
ΦB 12.20 KW / 120 V = 100.5 AMPERS
ΦC 10.84 KW / 120 V = 90.3 AMPERS

FEEDER SIZE: 3 * 1 - THW - Cu, 1 * 3 - THW - Cu - Neut.
1 * 8 - Cu - GND, 1½" C.

FNL "2": 125A - 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	RECEPT.	20A/1P	12TW	1.14	2.28	-	-	1.14	12TW	20A/1P	RECEPT.	2
3	"	"	"	1.14	-	2.28	-	1.14	"	"	"	4
5	"	"	"	1.14	-	-	2.28	1.14	"	"	"	6
7	RESTROOM	"	"	Ø.40	Ø.88	-	-	Ø.48	"	"	FLU 1X4	8
9	FLU 2X4	"	"	Ø.84	-	1.68	-	Ø.84	"	"	FLU 2X4	10
11	"	"	"	Ø.84	-	-	1.68	Ø.84	"	"	"	12
13	EWC	-	"	1.20	1.74	-	-	Ø.54	-	-	SPARE	14
15	SPARE	-	-	Ø.54	-	1.08	-	Ø.54	-	-	"	16
17	"	-	-	Ø.54	-	-	1.08	Ø.54	-	-	"	18
19	HVAC CU Nr.2	40A/3P	8TW	(1.28)	3.60	-	-	3.60	6TW	60A/3P	HVAC AHU Nr.2	20
21	"	"	"	(1.28)	-	3.60	-	3.60	"	"	"	22
23	"	"	"	(1.28)	-	-	3.60	3.60	"	"	"	24
25	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	26
27	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	28
29	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	30
31	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	32
33	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	34
35	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	36
37	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	38
39	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	40
41	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	42

ΦA 8.50 KW / 120 V = 70.8 AMPERS
ΦB 8.64 KW / 120 V = 72.0 AMPERS
ΦC 8.64 KW / 120 V = 72.0 AMPERS

FEEDER SIZE: 3 * 1 - THW - Cu, 1 * 3 - THW - Cu - Neut.
1 * 8 - Cu - GND, 1½" C.

FNL "3": 125A - 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	RECEPT.	20A/1P	12TW	1.11	2.22	-	-	1.11	12TW	20A/1P	RECEPT.	2
3	"	"	"	1.11	-	2.22	-	1.11	"	"	"	4
5	"	"	"	1.11	-	-	2.22	1.11	"	"	"	6
7	FLU 2X4	"	"	Ø.72	1.02	-	-	Ø.30	"	"	INC. LTG	8
9	"	"	"	Ø.72	-	1.12	-	Ø.40	"	"	RESTROOM	10
11	FLU 1X4	"	"	Ø.72	-	-	1.02	Ø.54	-	-	SPARE	12
13	SPARE	-	-	Ø.54	1.08	-	-	Ø.54	-	-	SPARE	14
15	"	-	-	Ø.54	-	1.08	-	Ø.54	-	-	"	16
17	"	-	-	Ø.54	-	-	1.08	Ø.54	-	-	"	18
19	HVAC CU Nr.3	40A/3P	8TW	(1.28)	3.60	-	-	3.60	6TW	60A/3P	HVAC AHU Nr.3	20
21	"	"	"	(1.28)	-	3.60	-	3.60	"	"	"	22
23	"	"	"	(1.28)	-	-	3.60	3.60	"	"	"	24
25	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	26
27	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	28
29	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	30
31	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	32
33	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	34
35	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	36
37	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	38
39	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	40
41	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	42

ΦA 7.92 KW / 120 V = 66.0 AMPERS
ΦB 8.02 KW / 120 V = 66.8 AMPERS
ΦC 7.92 KW / 120 V = 66.0 AMPERS

FEEDER SIZE: 3 * 1 - THW - Cu, 1 * 3 - THW - Cu - Neut.
1 * 8 - Cu - GND, 1½" C.

FNL "4": 125A - 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	RECEPT.	20A/1P	12TW	1.11	2.34	-	-	1.11	12TW	20A/1P	RECEPT.	2
3	"	"	"	1.11	-	2.34	-	1.11	"	"	"	4
5	"	"	"	1.11	-	-	2.34	1.11	"	"	"	6
7	RESTROOM	"	"	Ø.40	1.60	-	-	1.20	"	"	FLU 2X4	8
9	"	"	"	Ø.40	-	1.60	-	1.20	"	"	"	10
11	"	"	"	Ø.40	-	-	1.20	Ø.80	"	"	FLU 1X4	12
13	SPARE	-	-	Ø.54	1.08	-	-	Ø.54	-	-	SPARE	14
15	"	-	-	Ø.54	-	1.08	-	Ø.54	-	-	"	16
17	"	-	-	Ø.54	-	-	1.08	Ø.54	-	-	"	18
19	HVAC CU Nr.4	40A/3P	8TW	(1.28)	3.60	-	-	3.60	6TW	60A/3P	HVAC AHU Nr.4	20
21	"	"	"	(1.28)	-	3.60	-	3.60	"	"	"	22
23	"	"	"	(1.28)	-	-	3.60	3.60	"	"	"	24
25	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	26
27	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	28
29	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	30
31	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	32
33	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	34
35	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	36
37	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	38
39	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	40
41	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	42

ΦA 8.62 KW / 120 V = 71.8 AMPERS
ΦB 8.62 KW / 120 V = 71.8 AMPERS
ΦC 8.22 KW / 120 V = 68.5 AMPERS

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

FNL "5": 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	RECEPT.	20A/1P	12TW	Ø.72	1.92	-	-	1.20	"	"	FLU LTG	2
3	"	"	"	1.26	-	1.90	-	Ø.64	"	"	"	4
5	SPARE	-	-	Ø.54	-	-	Ø.84	Ø.30	"	"	INC LTG	6
7	EWH	30A/2P	10TW	1.50	2.84	-	-	Ø.54	-	-	SPARE	8
9	"	"	"	1.50	-	2.84	-	Ø.54	-	-	"	10
11	SPARE	-	-	Ø.54	-	-	1.08	Ø.54	-	-	"	12
13	HVAC CU Nr.5	40A/3P	8TW	(1.28)	3.60	-	-	3.60	6TW	60A/3P	HVAC AHU Nr.5	14
15	"	"	"	(1.28)	-	3.60	-	3.60	"	"	"	16
17	"	"	"	(1.28)	-	-	3.60	3.60	"	"	"	18
19	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	20
21	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	22
23	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	24
25	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	26
27	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	28
29	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	30
31	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	32
33	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	34
35	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	36
37	SPACE	-	-	Ø.00	Ø.00	-	-	Ø.00	-	-	SPACE	38
39	"	-	-	Ø.00	-	Ø.00	-	Ø.00	-	-	"	40
41	"	-	-	Ø.00	-	-	Ø.00	Ø.00	-	-	"	42

ΦA 7.56 KW / 120 V = 63.0 AMPERS
ΦB 7.54 KW / 120 V = 62.8 AMPERS
ΦC 5.52 KW / 120 V = 46.0 AMPERS

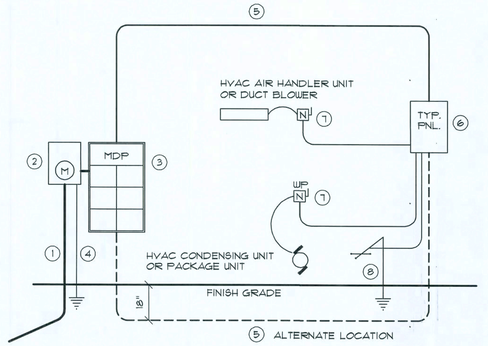
FEEDER SIZE: 3 * 3 - THW - Cu, 1 * 6 - THW - Cu - Neut.
1 * 8 - Cu - GND, 1¼" C.

LOAD COMPUTATION:

LOAD	ΦA KW	ΦB KW	ΦC KW
PANEL Nr. 1:	9.86	12.06	10.84
PANEL Nr. 2:	8.50	8.64	8.64
PANEL Nr. 3:	7.92	8.02	7.92
PANEL Nr. 4:	8.62	8.62	8.22
PANEL Nr. 5:	7.56	7.54	5.52
SUB-TOTAL:	42.46	44.88	41.14
+ 25% LM:	0.90	0.90	0.90
TOTAL LOAD:	43.36	45.78	42.04

ΦA 43.36 KW / 120 V = 361.3 AMPERS
ΦB 45.78 KW / 120 V = 381.5 AMPERS
ΦC 42.04 KW / 120 V = 350.3 AMPERS

FEEDER SIZE: 3 * 66.400MCM - THW - Cu,
1 * 4006MCM - THW - Cu - Neut.
1 * 1/0 - Cu - GND, 4" C.



MAIN DISTRABUTION FNL 3 400/400	
PANEL Nr. 1 3 125/125	PANEL Nr. 2 3 125/125
PANEL Nr. 3 3 125/125	PANEL Nr. 4 3 125/125
PANEL Nr. 5 3 100/100	SPARE

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. 200 AMPERE SERVICE: 3-#2/0-USE-Cu, 1-#4-Cu-GND, 2" Conduit.
6. House Panel (FNL), 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: 400A

SCALE: NONE

MDP LAYOUT

SCALE: NONE

REVISION:

DRAWN: mpg

NEW MEDICAL OFFICE BUILDING for:
M. A. FAISAL, M.D.
LAKE CITY, FLORIDA
DIMENSION PLAN

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

DATE: 18 AUG 2008
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