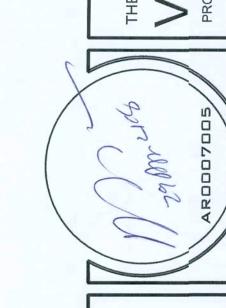


REVISIONS
April 29, 2008

Achitectural desig software

FLOOR PLAN

VFW REMODEL
PROJECT ADDRESS: LAKE CITY, FLORIDA 32025



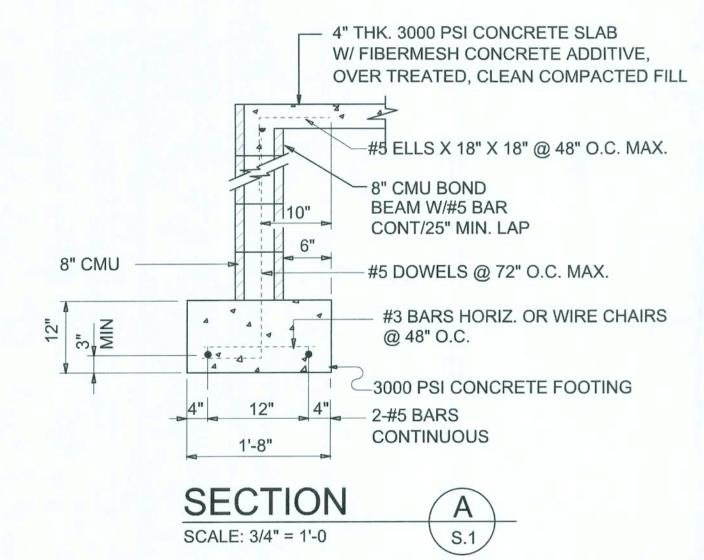


JOB NUM3ER 0707(2

A.2
OF 6 SHEETS

CONCRETE / MASONRY / METALS GENERAL NOTES:

- 1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- 2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- 6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACE-MENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH -F'm = 1500 PSI.
- 8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- 10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"~ A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"~ A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.

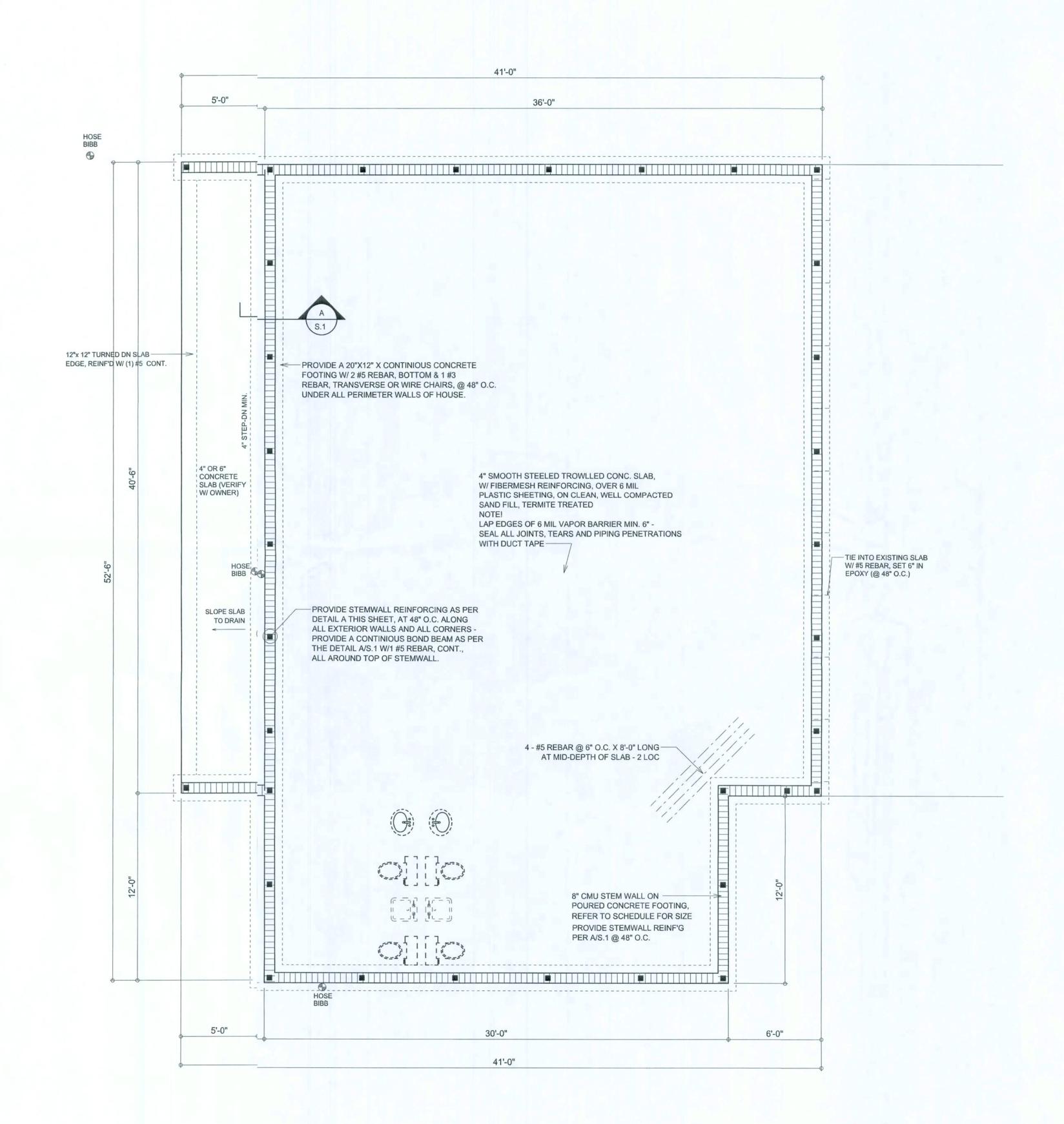


NOTE: THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2007 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

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

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.

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-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY. 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.





OUNDATION PLAN

THE:

VFW REMODEL
PROJECT ADDRESS: LAKE CITY, FLORIDA 32025

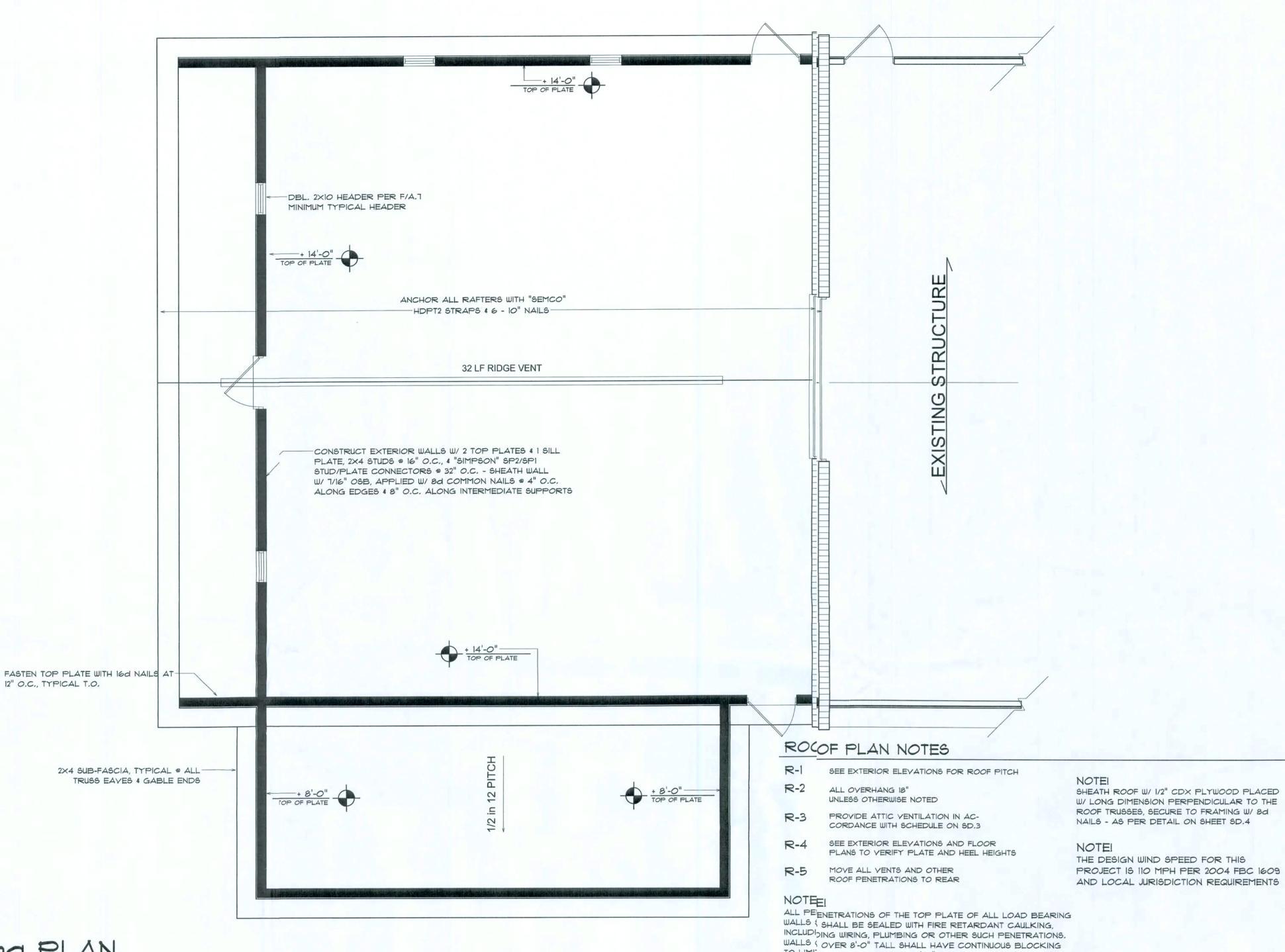




JOB NUMBER 0707C2

SHEET NUMBER

OF 6 SHŒTS



Roof Framing PLAN

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

NOTE! ANCHOR GIRDER TRUSS(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/

NOTE!
REFER TO THE WINDOW/DOOR HEADER
SCHEDULE ON SHEET SD.4 FOR ALL
MINIMUM SIZE HEADERS AND ALTERNATES
MINIMUM SIZE ALLOWABLE IS 2-2XIO.

2 "SIMPSON" ST22 EA. END - TYP., T.O.

THE CONRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS, SOME OF THE TRUS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITIONO TYPICAL NAILING, ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOIN; WITH AN UPLIFT OR GRAVITY LOAD OF IOO LBS OR GREATER.

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

SHOP DW COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATE IN THE CONSTRUCTION DOCUMENTS.

THE UPLIF LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDEQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS

MAY BE LED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS

OR AS APROVED BY THE BUILDING OFFICIAL.

TO LIMITIT CAVITY HEIGHT TO 8'-O". PENETRATIONS THROUGH SUCH BBLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOPP PLATES, NOTED ABOVE

GENERRAL TRUSS NOTES:

- I. TRUSISSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH 1 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 PERTAMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- 2. TRUSISS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- 3. FOLL: LOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIF. IFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAIGUABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURF2POSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH; H REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

PROJECT COORDINATION REQUIREMENTS

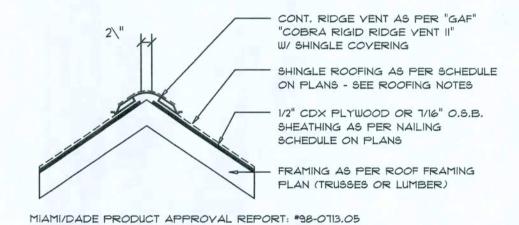
OTICE

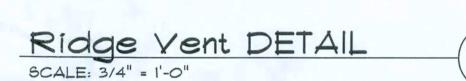
THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN LAKE CITY, FL., AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES RULES AND REGUIULATIONS, N.P.GEISLER, ARCHITCT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, ANNO NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS, IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL). IF YOUR CITY OR STATE REQUIRRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK,, YOU WILL NEED TO HAVE THAT DOONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

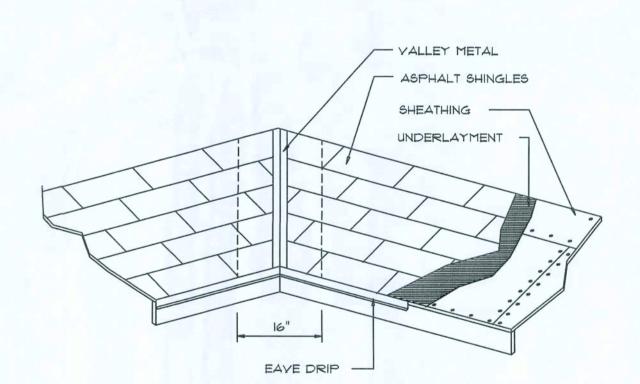
WOOD STRUCTURAL NOTES

- I. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".
- 2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME, TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- 3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

AREA OF ATTIC	REQ'D L.F. OF YENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.







VALLEY FLASHING

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS								
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT					
COPPER			16					
ALUMINUM	0.024							
STAINLESS STEEL		28						
GALVANIZED STEEL	er10.0	26 (ZINC COATED G90)						
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20					

Roofing/Flashing DETS.





SOFTPL

ROOF PLAN

THE:

VFW REMODEL

PROJECT ADDRESS: LAKE CITY, FLORIDA 32025





JOB NUMBER 070702

SHEET NUMBER

OF 6 SHETS

FLORIDA BUILING CODE

ComplianceSummary

TYPE OF CONSTRUCTION

Roof: Hip Construction, Wood Trusses a ." O Walls: 8" CMU W/ (1) #5 YERTICAL @ 48" .C. MAX Floor: 4" Thk, Concrete Slab W/ Fiberme: Concrete Additive Foundation: Continuous Footer/Stem Wal

ROOF DECKING

Material: 1/2" CD Plywood or 7/16" 0.5.E Sheet Size: 48"x96" Sheets Perpendicu to Roof Framing Fasteners: 8d Common Nails per schedulon sheet 5.4

SHEARWALLS

Material: 8" CMU W/ (1) #5 YERTICAL @ 485.C. MAX

HURRICANE UPLIFT CONNECTORS

Truss Anchors (CMU WALLS): SIMPSON HEIL 16 W/ TSS Truss Anchors (FRAME): SEMCO HDP @ Ea. Truss End (Typ. U.O.N.)

FOOTINGS AND FOUNDATIONS

Footing: 20"x12" Cont. W/2-#5 Bars Cont. 1-#3 Transverse @ 24" O.C. Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel 48" O.C.

ALL WIND LOADS ARE IN ACCORDACE FLORIDA BUILDING COD 20	
BASIC WIND SPEED:	IIO MPH
WIND IMPORTANCE FACTOR (1):	1 = 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MWFRS PER TABLE 1606.2A (FBC 200 DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

- I. A PERMANENT SIGN WHICH IDENTIFIES THETERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMYT CONTRACT RENEWAL SHALL BE PROVIDED, THE SIGN SHALL BE POSTENEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
- 2. CONDENSATE AND ROOF DOWNSPOUTS SALL DISCHARGE AT LEAST 1'-O" AWAY FROM BUILDING SIDE WALLS. FBC 156.4.4
- 3. IRRIGATION/SPRINKLER SYSTEMS INCLUING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN I'-CFROM BUILDING SIDE WALLS.
- 4. TO PROVIDE FOR INSPECTION FOR TERME INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMETIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDAON WALL. FBC 1403.1.6
- 5. INITIAL TREATMENT SHALL BE DONE AFTR ALL EXCAVATION AND
- BACKFILL IS COMPLETE, FBC 1816.1.1 6. SOIL DISTURBED AFTER THE INITIAL TREMENT SHALL BE RETREATED
- INCLUDING SPACES BOXED OR FORMED. FC 1816.1.2 7. BOXED AREAS IN CONCRETE FLOOR FORUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF A IZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTERTHE INITIAL TREATMENT.
- FBC 1816.1.3 8, MINIMUM 6 MIL VAPOR RETARDER MUST E INSTALLED TO PROTECT AGAINST RAINFALL DILUTION, IF RAINFALL COURS BEFORE VAPOR RET-ARDER PLACEMENT, RETREATMENT IS REQUED. FBC 1816.1.4
- 9, CONCRETE OVERPOUR AND MORTAR ALNG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOILTREATMENT. FBC 1816.1.5 10, SOIL TREATMENT MUST BE APPLIED UNDR ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-O" OF THE STRUCTURE DEWALLS. FBC 1816.1.6
- II, AN EXTERIOR VERTICAL CHEMICAL BARRER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LADSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICALIARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6
- 12. ALL BUILDINGS ARE REQUIRED TO HAVE ER-CONSTRUCTION TREATMENT. FBC 1816,1,7
- 13. A CERTIFICATE OF COMPLIANCE MUST BESSUED TO THE BUILDING DEPART-MENT BY # LICENSED PEST CONTROL COMANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFIC/E OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETEREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES, THE TREATMET IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTENT OF AGRICULTURE AND CONS-UMER SERVICES". FBC 1816.1.7
- 14. AFTER ALL WORK IS COMPLETED, LOOSEJOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN I'-O" OF THE BUILDIG, THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORIN(OR OTHER CELLULOSE CONTAINING MATERIAL, FBC 2303.1.3
- 15. NO WOOD, VEGETATION, STUMPS, CARDBARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-O" OF ANY BUILDING OR PROPOSO BUILDING, FBC 2303.1.4

FRAMING ANCHOR ESCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO BEAM: MISC. JOINTS	SEMCO HDPT2, W/ 6 - IOd NAILS SIMPSON A34	960* 315*/240*
TRUSS TO WALL: PORCH BEAM TO POST:	"SIMPSON" HETEL 16 W/ TSS "SIMPSON" EPC44/PC44	1410# 1700#

"SIMPSON" ABU44 POST BASE, 2 LOC. 2200*

"SIMPSON" ABU66 POST BASE, 2 LOC. 2300*

"SIMPSON" EPC66/PC66

PORCH POST TO FND .:

CARPORT BEAM TO POST:

CARPORT POST TO FND .:

ALL ANCHORS SHALL BE SECLURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUNIM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

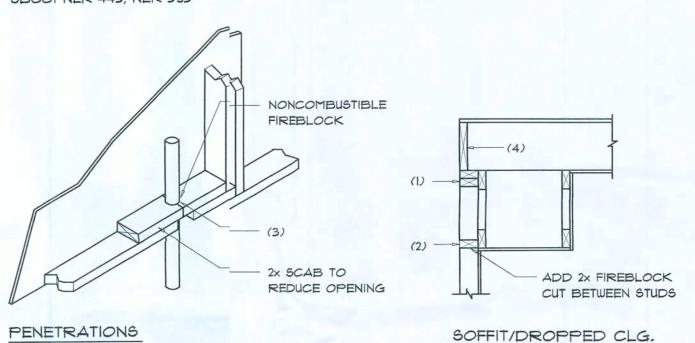
REFER TO THE INCLUDED STREUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FIGASTENERS.

ALL UNLISTED JOINTS IN THE L'LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHHORS, TYPICAL T.O.

"SEMCO" PRODUCT APPROVAAL: MIAMI/DADE COUNTY REPORT #95-0818,15

"SIMPSON" PRODUCT APPRODVALS:

MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04 SBCCI NER-443, NER-393



FIREBLOCKING NOTES:

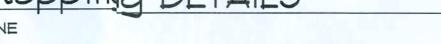
FIREBLOCKING SHALL BE INSTAL, LLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

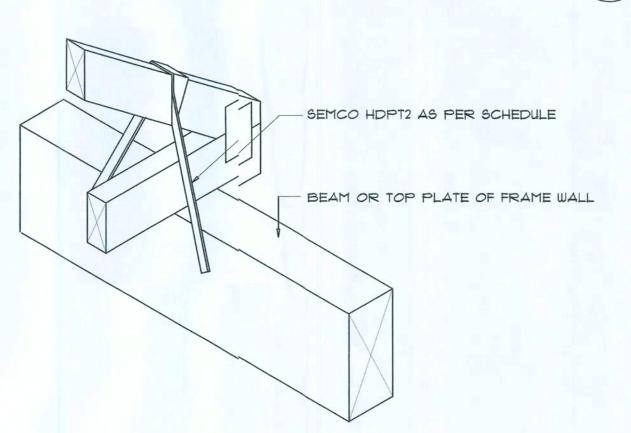
- I. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLCOOR LEVELS.
- 2. AT ALL INTERCONNECTIONS & BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT, T SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- 3. AT OPENINGS AROUND VENTITS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS SWITH "PYROPANEL MULTIFLEX SEALANT" 4. AT ALL INTERCONNECTIONS & BETWEEN CONCEALED VERTICAL STUD WALL OR

PARTITION SPACES AND CODNCEALED SPACES CREATED BY AN ASSEMBLY

OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS 3 AND OVER THE SUPPORTS.

Fire Stopping DETAILS





SEMCO HIDPT2

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

TRUSS TO WOOD BEAM



General Roofing NOTES:

DECK REQUIREMENTS:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:

UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE I, OR ASTM D 4869, TYPE I.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET: SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:

ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:

FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING, WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:

ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE, WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

UNDERLAYMENT APPLICATION:

- FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS: I, STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- 2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE,

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS: STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF TI LBS PER 100 SQUARE FEET, CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES, VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

- I, FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.
- 2. FOR OPEN YALLEYS, YALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE. 3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
- 1. BOTH TYPES 1 AND 2 ABOVE, COMBINED. 2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
- 3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

NOTE!!!

ROOFSHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

> GLASS-SEAL AR ELITE GLASS-SEAL AR HERITAGE 30 AR HERITAGE 40 AR HERITAGE 50 AR

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

SOFTPXN

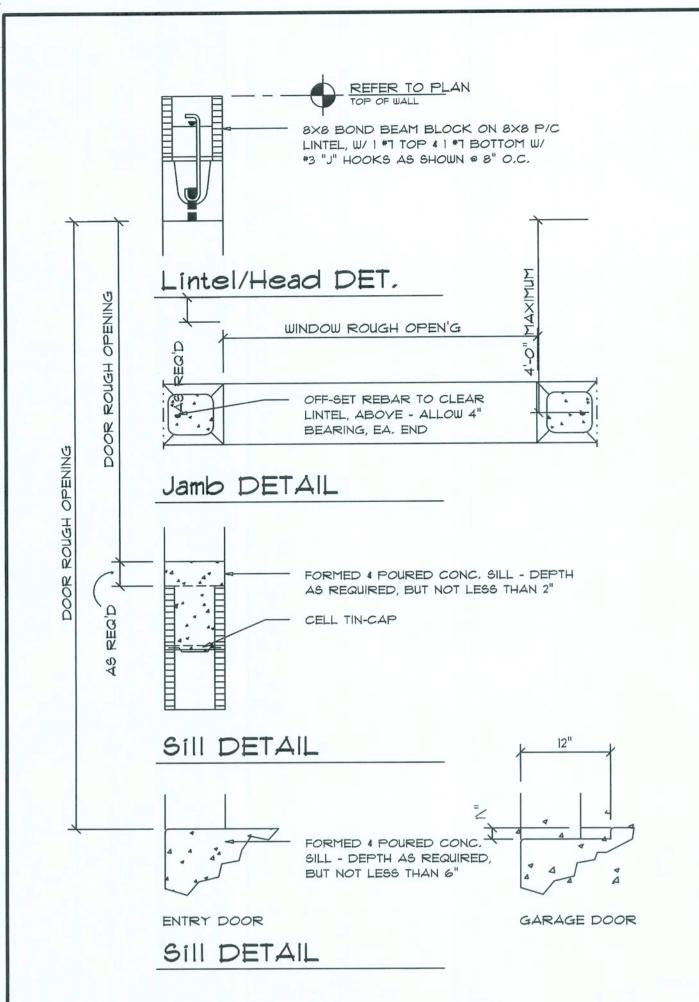


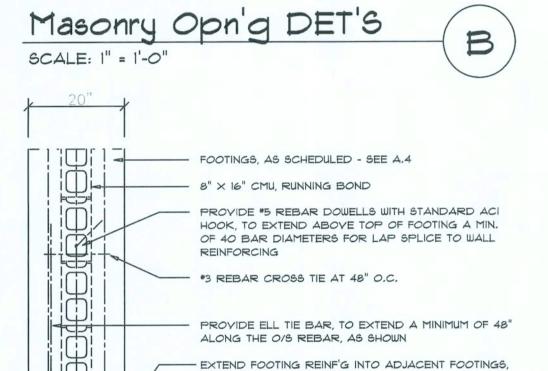
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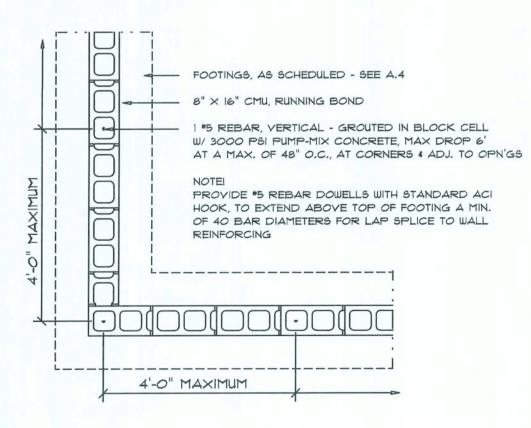
JOB NUMBER 070'02

SHEET NUMBER

OF 6 SIEETS

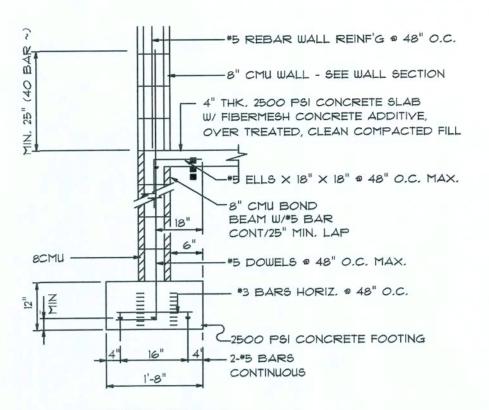


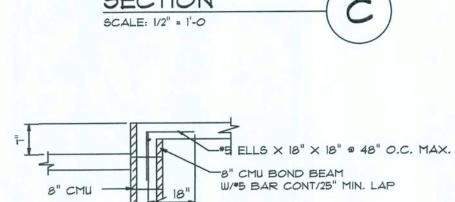




Wall/Foundation Reinf'g DETAIL

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



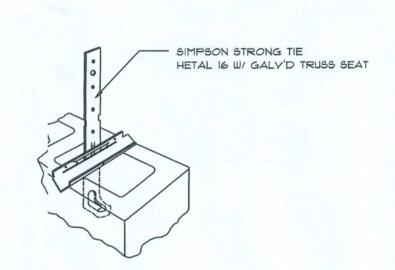


STEMWALL

- 2-#5 BARS CONTINUOUS STEMWALL SECTION SCALE: 1/2" = 1'-0

- #5 DOWELS @ 48" O.C. MAX.

2500 PSI CONCRETE FOOTING



Truss Anchor CETAIL SALE: 1/2" = 1'-0"

CONCRETE / MASONRY / METALS GENERAL NOTES:

- I, DESIGN SOIL BEARING PRESSURE: 1,500 PSF.
- 2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPAC-TION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- 4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM AGIS, ALL BENDS SHALL BE MADE COLD.
- 5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- 6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI, STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACE-MENT, MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- 1, CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH -F'm = 1500 PSI.
- 8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- 9, STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A301 / GRADE I OR A325, AS PER PLAN REQUIREMENTS.
- O.WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

BE RETREATED. FBC 1816.1.6

- 1. A PERMANENT SIGN WHICH IDENTIFIES TITHE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTETED NEAR THE WATER HEATER OR
- 2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-O" AWAY FROM BUILDING SIDE WALLS. FBC !! 1503.4.4
- 3. IRRIGATION/SPRINKLER SYSTEMS INCLI_{LUDING} ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-1'-0" FROM BUILDING SIDE WALLS.
- 4. TO PROVIDE FOR INSPECTION FOR TERRMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SH'HALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CETEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUND DATION 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 TRECEATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. . FBC 1816.1.2
- 1. BOXED AREAS IN CONCRETE FLOOR FCOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PETERMANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF 4 A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTETER THE INITIAL TREATMENT,
- 8. MINIMUM 6 MIL VAPOR RETARDER MUSTAT BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION, IF RAINFALL _ OCCURS BEFORE VAPOR RET-ARDER PLACEMENT, RETREATMENT IS REGUIRED. FBC 1816.1.4 9. CONCRETE OVERPOUR AND MORTAR AALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SC, OIL TREATMENT. FBC 1816.1.5 10. SOIL TREATMENT MUST BE APPLIED UNINDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-O" OF THE STRUCTURES SIDEWALLS. FBC 1816.1.6 II. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING L'LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICA AL BARRIER IS APPLIED, SHALL
- 12. ALL BUILDINGS ARE REQUIRED TO HAVIVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
- 13. A CERTIFICATE OF COMPLIANCE MUST E BE ISSUED TO THE BUILDING DEPART-MENT BY * LICENSED PEST CONTROL COTOMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED, THE CERTIFICICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES, THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARRIMENT OF AGRICULTURE AND CONS-UMER SERVICES", FBC 1816.1.7
- 14. AFTER ALL WORK IS COMPLETED, LOOS WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-O" OF THE BUILLILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING
- 15. NO WOOD, VEGETATION, STUMPS, CARDIDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-O" OF ANY BUILDING OR PROPCOSED BUILDING. FBC 2303.1.4

WOOD STRUCTURAL NOTES

- I. TEMPORARY BRACING OF THE STRUC'CTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGIGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BIBE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE"E"
- 2. ALL TRUSSES SHALL BE DESIGNED BY3Y A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SESEALED BY SAME, TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TETRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECICIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATATE INSTITUTE".
- 3. WOOD STUDS IN EXTERIOR WALLS & INTINTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR B BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHIHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED ORR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR I THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT T SCHEDULE FOR PRINCIPLE CON-

CANTILEYER "E" BAR (END) "E" BAR TOP BAR TOP BAR L BOTT, BAR L #3 STIRRUPS (TYPICAL) OR #3 HOOPS *3 STIRRUPS SPACED FROM SUPPORT FACE

BOTTOM BARS - TOP BARS - "E" BARS BENDING DIA .: CAST-IN-PLACE CONCRETE BEAMS & SLABS

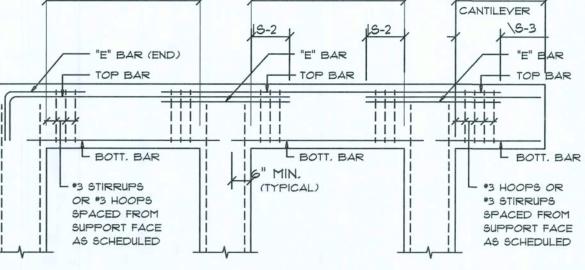
SCALE: NONE

GENERAL BEAM SCHEDULE NOTE:

- 1. SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE 5-6 & HOOPS SHALLBE 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 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.



ROOF SHEATHING FASTENINGS NAILING SHEATHING FASTENER SPACING 6 in. o.c. EDGE 12 in. o.c. FIELD 8d COMMON OR 7/16 " O.S.B. 6 In. o.c. EDGE 8d HOT DIPPED 6 in. o.c. FIELD OR 15/32 CDX GALVANIZED BOX NAILS 4 in. o.c. & GABLE ENDWALL OR GABLE TRUSS 6 In. o.c. EDGE 6 In. O.C. FIELD

ROOF EDGE -----

ROOF SHEATHING NAILING ZONES (HIP ROOF)

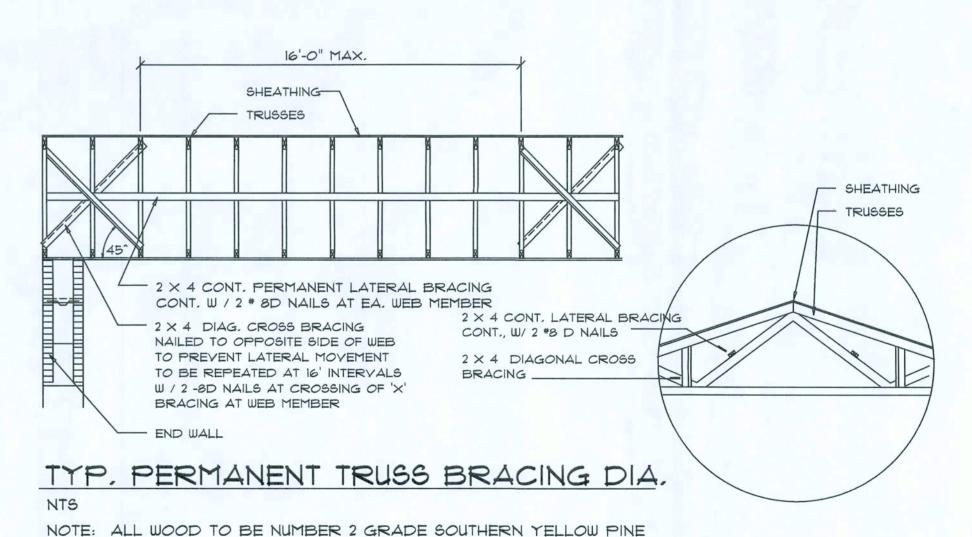
2 RIDGE

ROOF SHEATHING NAILING ZONES (GABLE ROOF)

B



SCALE: NONE



Truss Bracing DETAILS

SCALE: AS NOTED



SOFTPLAN





JOB NJMBER 07(702

SHEET NUMBER

OF 6 SHEETS

GENERAL PLUMBING NOTES:

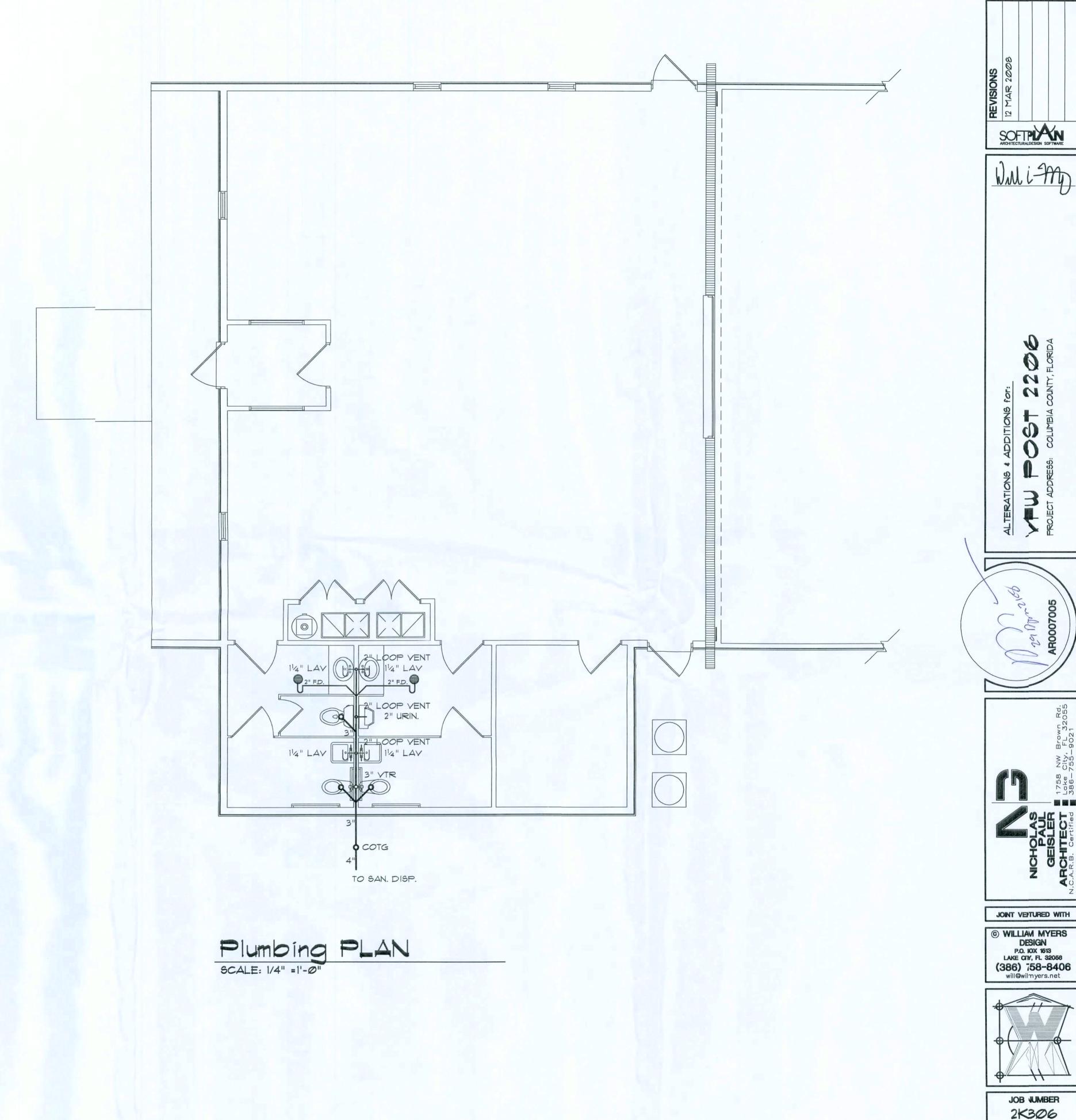
- SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALL-ATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
- 2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- 3. ALL MATERIALS SHALL BE NEW.
- 4. ALL WORK SHALL BE PREFORMED 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 DIA-GRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- 8. WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNERS OPTION SUPPLY PIPING MAY BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
- 9. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- 10. SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 301-72 ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNERS OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
- 11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.Y.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
- 12. P.Y.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.Y.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
- 13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS
- 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.

AND WHERE PROVIDED, MARKED ACCESS PANELS.

- 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 NEAR-EST PLUMBING FIXTURE, DO NOT MANIFOLD.
- 18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- 19. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS FINISH AS DIRECTED BY THE OWNER.
- 20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL WELL & SEPTIC NOTES:

- SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES I THRU 6, THIS SHEET
- 2. LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 15'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
- 3. POTABLE WATER WELLS SHALL BE A MINIMUM 4" WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER, MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 POST AT THE WELL HEAD.
- 4. WELL HEAD SHALL PROJECT 12" ABOVE GRADE.
- 5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKYALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
- 6. PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
- 1. SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
- 8. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
- 9. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.Y.C. OR POLY AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
- 10. SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.



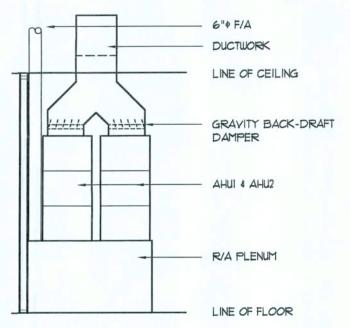
DATE: 31 JAN 2008

SHEET NUMBER

OF SHEETS

GENRAL H.V.A.C. NOTES:

- 1. B-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUB-.CT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/D.la.
- 2. FAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, 70LS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC
- 3. YAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), R SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE YAC SUB-CONTRACTOR.
- 4. YAC SUB-CONTRACTOR SHALL FURNISH SHOP DUGS FOR DUCTWORK, ONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
- 5. IIS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH 1PA-90A AND ALL APPLICABLE CODES.
- 6. FEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUM-UM W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L. BTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT NER & WRAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. L FIBERGLASS DUCT SHALL BE FOILFACED, R4.2/R6.0 DUCTBOARD.
- 7. LE EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET ETAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA ND SMACNA STANDARDS.
- 8. L AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL ND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR PPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, ETALAIRE, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE
- 9. IREQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL IPPLY A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR ALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED
- 10. VAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, ND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PRO-DE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS HALL BE APPROVED BY THE EQUIPMENT MFG'R.
- 11. LL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET
- 12. LL EQUIPMENT SHALL BE FULLY WARRANTED FOR I YEAR AND THE OMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL CCEPTANCE, BY THE OWNER.
- 13. LL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER RADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION
- 14. ONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK RMAFLEX INSULATION.
- 15. LITERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE EIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. ROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT NAL ACCEPTANCE.
- 16. VAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY FIGETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE ISTEM AT NO ADDITIONAL COST TO THE OWNER.
- 17. IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-RDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL
- 18. OORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE 1. 29, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND



AHU DET

SCALE: NONE

HYAC SYSTEM OPPERATION:

HVAC SYSTEM SHALL BE OPPERATED VIA A DUAL CIRCUIT PROGRAMABLE THERMOSTAT AND SHALL HAVE THE FOLLOWING CAPABILITIES:

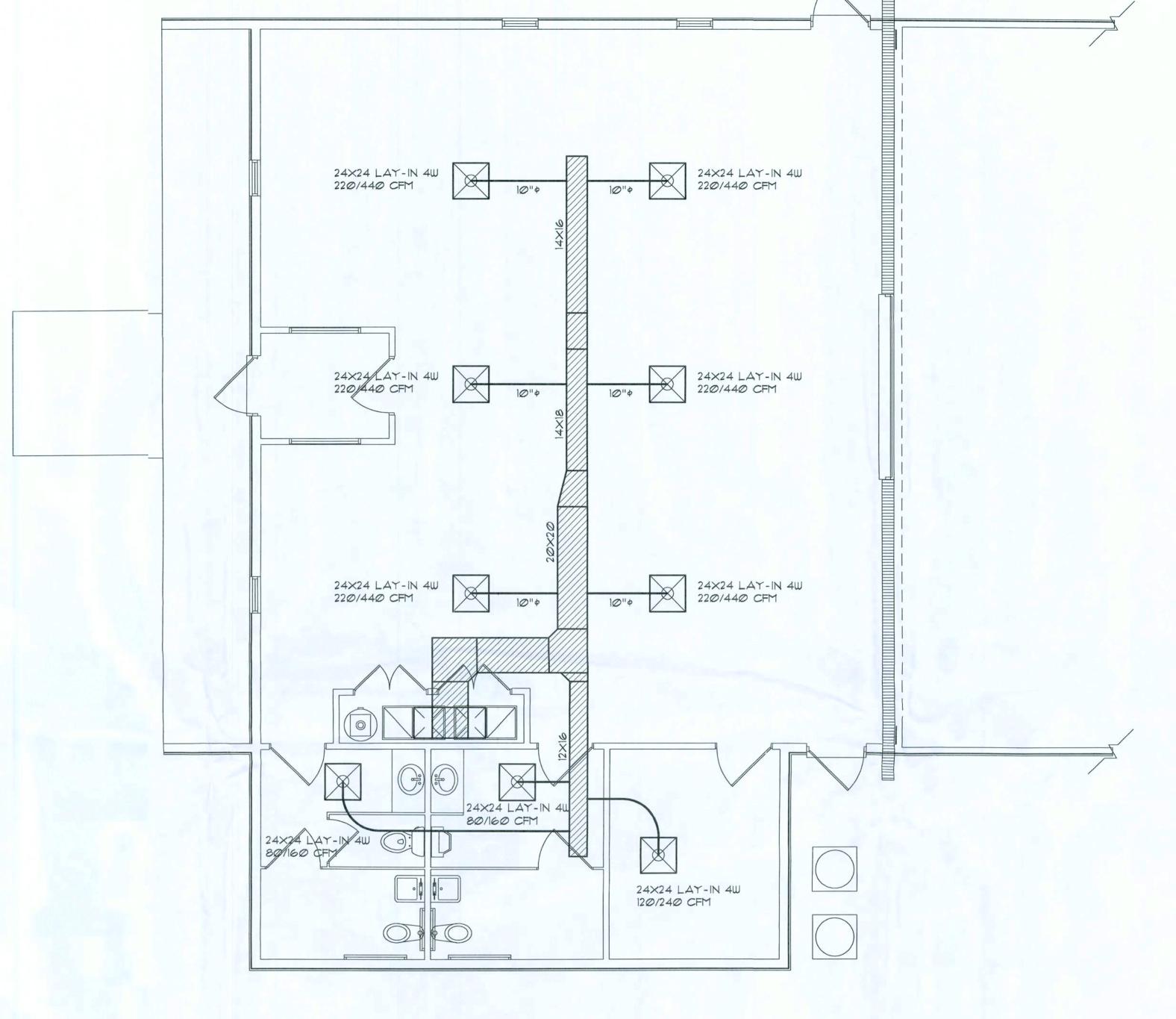
- ALTERNATING SINGLE SYSTEM OPPERATION
- 2. SIMULTANIOUS DUAL SYSTEM OPPERATION

DUCTWORK

- 1. DUCTWORK SHALL BE R42 FOIL FACED RIGID FIBER-GLASS OR RG. FOIL FACED RIGID FIBERGLA ASS IN ATTIC AREAS, FOR ALL MAIN TRUNK LINES W/ J/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.S.
- 2. ALL TURNING VANES, EXTRACTORS AND DAMMPERS SHALL BE INCLUDED AND SHALL BE FABRIC CATED FROM GALV. SHEET METAL.
- 3. ALL JOINTS IN DUCTWORK SHALL BE LAP SPIGLICED IN THE DIRECTION OF FLOW AND SEALED W/ F FOIL FACED DUCT TAPE.

SUPPLY DIFFUSERS / RETURN GRILLIES

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



H.V.A.C. PLAN

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

H.V.A.C. Equipment SCHEDULE

SCALE: NONE

	EQUIPMENT SPECIFACATION: EQUAL EQUIPMENT BY LISTED MFG'RS IS APPROVED: LENNOX, RHEEM, CARRIER, TRANE												
SYS.	MK	MOD	TOTAL COOL	SENSIBLE	HEATING	SEER	HSPF	ESP	KW	CFM	VOLTAGE	LIQUID	SUCTION
1	"RUUD"	CU: UPPA-048JA AHU: UBHK24JINFE	47 <i>000</i> BTU	35600 BTU	41°F DB = 41000 BTU 11°F DB = 28200 BTU		8.00	.30"	3.60 10.80		240∨ - 1¢	3/8"¢	1 1/8"¢

EQUIPMENT REQUIREMENTS

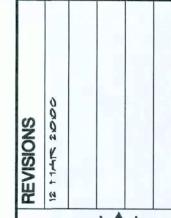
SYSTEM DISCRIPTION:

H.V.A.C. SYSTEM SHALL BE A SPLIT SYSTEM, WITH AN O/S CONDENSING UNIT AND I/S AIR HANDLER. 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.

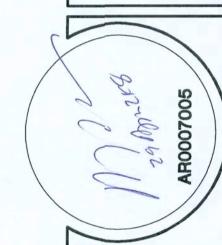
NOTE !

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



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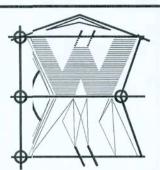
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JOB NUMBER 2K806 DATE:

31 JAN 2008



SHEET NUMBER

CF | SHEETS

ELECTRICAL NOTES: General

- 1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHI-TECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
- 2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1997 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
- 3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE
- 4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THUN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS *8 AND LARGER SHALL BE STRANDED TYPE.
- 5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPEN-INGS 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, REST-ROOM, 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
- 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 OVER-LOAD 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 AYOID CONFLICTS. CO-ORDINATE WITH HYAC 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 IDENTI-FIED 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 CIR-CUITS 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

PANEL SCHEDULE

PANEL "L": 200A - MLO - 120/240V - 10 - 4 WIRE 40 SLOT - FLUSH MOUNT

Cir. Nr.	Location	Trip Poles	Wire Size	Load
1-6 7 8 9 10 11,13 12,14 15,17 16,18 19,21	Lighting/Recept. Office Mens Restroom Womens Restroom Service Recept. EWH HYAC CUI - 4T HYAC AHUI HYAC CU2 - 4T HYAC AHU2	20A/IP " " 30A/2P 60A/2P 60A/2P 60A/2P 60A/2P	12TU	3635W 900W 300W 360W 360W 4500W (4000W) 10800W (4000W)
20 22-40	Spare Spare	-		400W 7600W

TOTAL CONNECTED LOAD:

39595W

FEEDER SIZE: 39595w / 240v = 165.0 amperes USE: 3 #3/0 THW w/ 1 #1 Cu GND / 21/2" C.

ELECTRICAL PLAN NOTES

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

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

ALL RECEPTICALS IN BEDROOMS SHALL BE ON ARC FAULT INTERRUPTER CIRCUITS (AFIC), PER NEC 210-12

ALL RECEPTICALS IN BATHROOMS, KITCHENS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFIC).

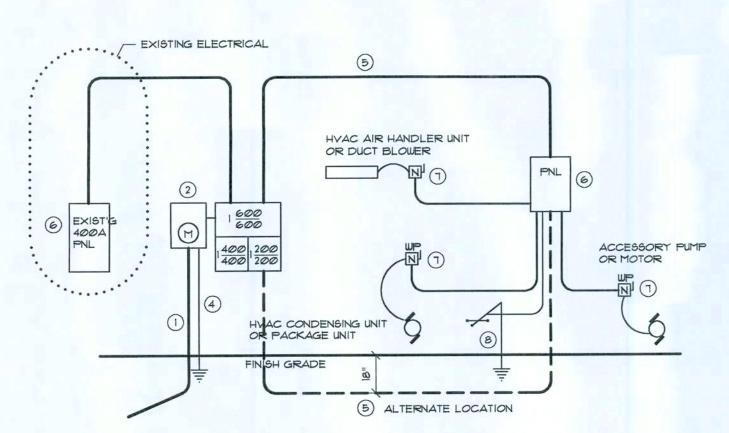
INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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

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

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

CONTRACTOR SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY.

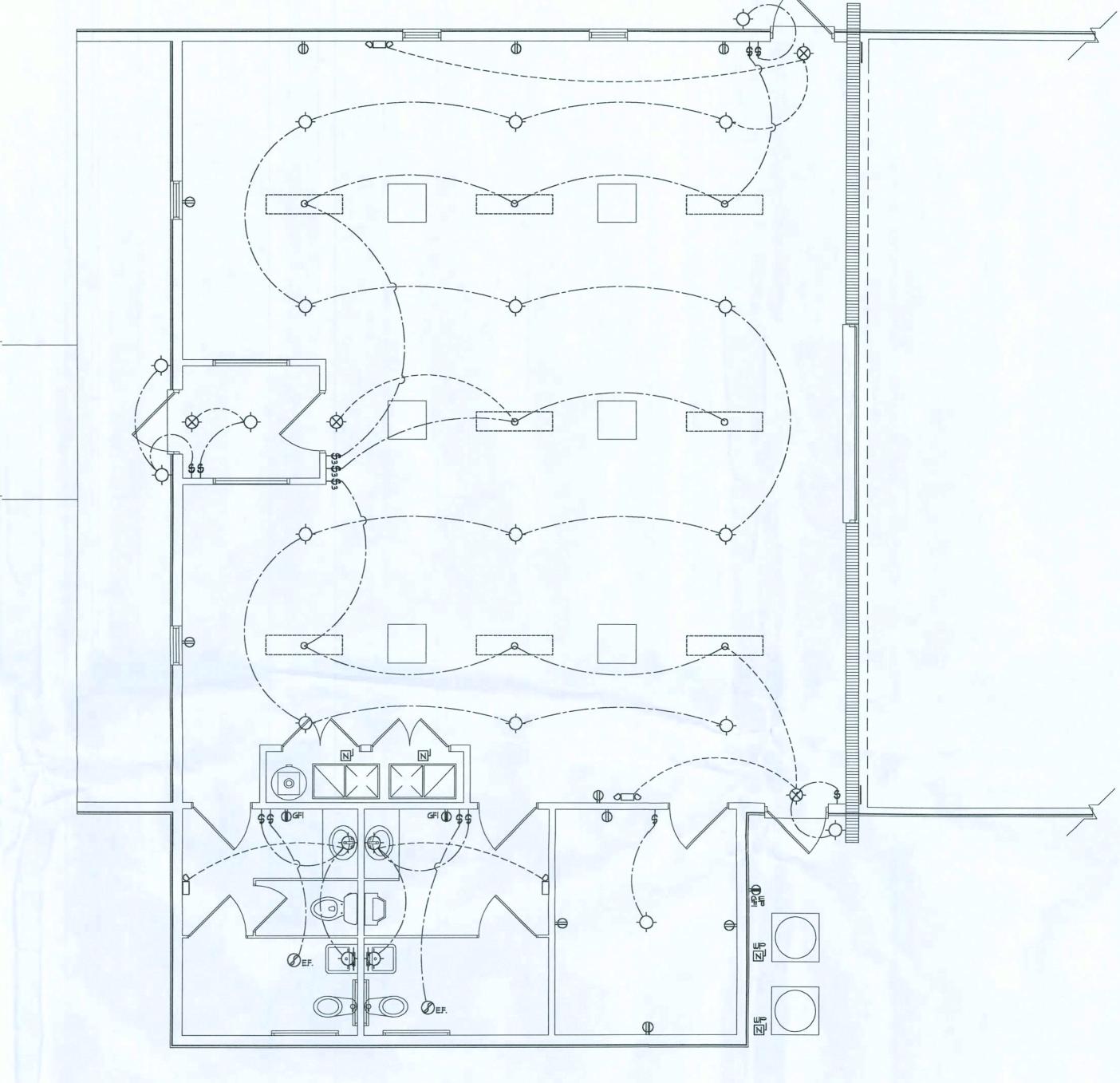


- (1) Service/Feeder Entrance Conductors: 21/2" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor, Service/ Entrance Conductors shall not be spliced except that boilted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- (2) Meter Enclosure, weatherproof, U.L. Listed.
- (3) Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
- (4) Service entrance Ground: 5/8" + 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 FEEDER: 3-*2/0-THW-Cu, 1-*4-Cu-GND, 2" Conduit.
- (6) House Panel (PNL), U.L. Lised, sized per schedule.
- (7) Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- (8) Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

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

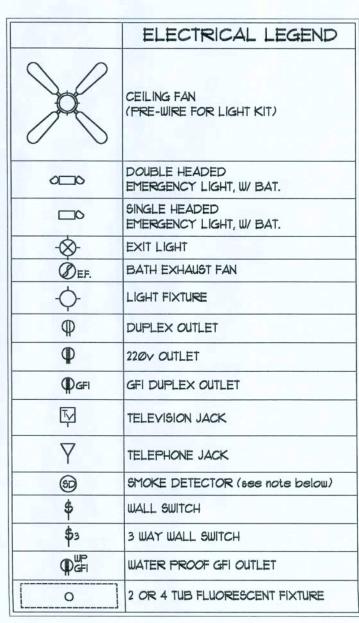
ELECTRICAL RISER DIAGRAM: 600A

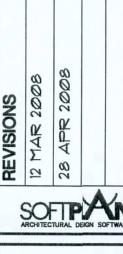
SCALE: NONE



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

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





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JOB NUMBER 2K806 31 JAN 2008

SHEET NUMBER

OF 3HEETS