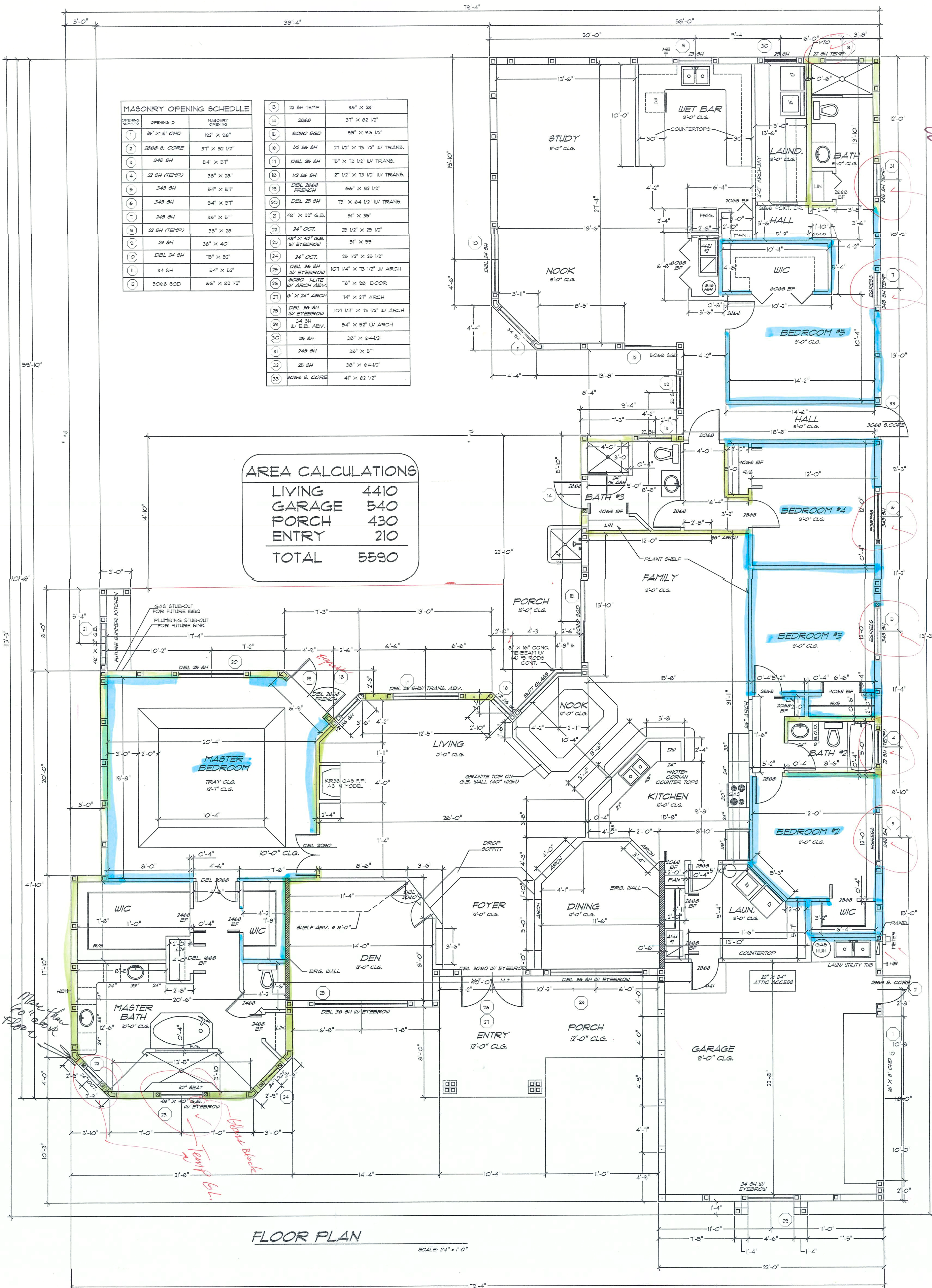




A-1

DRAWN: RFP/PG
DATE: 06/06/04
CHECKED: JOH
JOB# 04023
SHEET

REVISIONS

X

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Signature

SEAL

SCHAARDT & FULLAN
ARCHITECTS, P.C.

1000
22389

Roof Pitch	6/12	
Std. O.H.	24" SQUARE CUT	
Roof Design Loading		
T.C. Live Load	30	P&F
T.C. Dead Load	7	P&F
B.C. Live Load	0	P&F
B.C. Dead Load	10	P&F
Total Load	47	P&F
Stress Increase	1.33	

BASIC WIND SPEED	<u>110 MPH</u>	• 3-SEC. GUST
IMPORTANCE FACTOR	<u>1.0</u>	
BUILDING CATEGORY	<u>ENCLOSED</u>	
EXPOSURE CATEGORY	<u>B</u>	
INTERNAL PRESSURE COEFF.	<u>.18</u>	
DESIGN PRESSURE	<u>SEE ELEVATION#</u>	G. DOOR
	<u>SEE ELEVATIONS.</u>	ALL OTHER OPENINGS

CONNECTOR SCHEDULE							
TRUSS I.D.	BEARING TYPE	ACTUAL TRUSS UPLIFT	CONN. UPLIFT DESIGN	CONNECTOR	QUANTITY	FASTNERS	NOTES
HTAT	MAS.	165T	1735	HETA20	1	14-10d	PER STRAP
C-1	MAS.	1074	1240	HETA20	1	10-10d	PER STRAP
	WOOD		1000 X2	MTS12	2	14-10d	PER STRAP
BG	MAS.	1473	1490	HETA20	1	12-10d	PER STRAP
DG	MAS.	1067	1240	HETA20	1	10-10d	PER STRAP
	WOOD		1000 X2	MTS12	2	14-10d	PER STRAP
EG	WOOD	2402	1260 X2	HTS16	1	16-10d	PER STRAP

• NOTE: ALL TRUSSES SHOWN ABOVE ARE MORE THAN 1000 UPLIFT
ALL TRUSSES WITH A / O - 1000 LB UPLIFT TO HAVE FOLLOWING
CONNECTORS:
TRUSS TO FRAME STRAP6 # MT812 W/ 14 - 10D NAIL6
TRUSS TO MASONRY # HETA20 W/ 10 - 10D NAIL6

NOTE:
CORNER AND END JACKS TO WOOD USE 1 MTB12 STRAP W/ 14 - 10D NAILS.
CORNER AND END JACKS TO CB6 USE 1 HETA20 STRAP W/ 0 - 10D NAILS.
FOR CB6 GABLE END TRU88ES USE 1 HETA20 STRAP
W/ 10 - 10D NAILS PER STRAP AT 24" O.C.
FOR FRAME GABLE END TRU88ES USE 1 MTB12 STRAP
W/ 14 - 10D NAILS PER STRAP AT 24" O.C.

ATTACH VALLEYS AND PIGGY BACKS AS PER TRUSS COMPANY DETAILS.

UNDER FRAME BEARING POINTS WITH AN UPLIFT GREATER THAN 135
BAGS 4 X 4 POST W/ MTB28B AT BASE W/ 24 - 1D NAILS

IF MORE THAN 1 STRAP IS REQUIRED FOR THE INDIVIDUAL TRU88 BEARING POINT
IN THE CONNECTOR SCHEDULE, THE NUMBER OF NAILS IS LISTED IN THE
"ANCHOR TYPE & QUANTITY" COLUMN IS THE TOTAL NAILS REQUIRED FOR ALL STRAPS,
UNLESS OTHERWISE INDICATED USE AN EQUAL AMOUNT OF NAIL PER STRAP.

THE NUMBER OF LINES PER TRUSS ID IN THE CONNECTOR SCHEDULE DOES NOT INDICATE THE NUMBER OF BEARING POINTS PER TRUSS. USE STRAP WITH NAILS INDICATED FOR EACH BEARING POINT OF EACH TRUSS. EXCEPT IF THE TRUSS ID HAS ONE LINE INDICATED CBS AND ONE LINE INDICATED FRAME. IN THIS CASE USE THE STRAP INDICATED FOR CBS ON EACH BEARING POINT OF CBS AND USE THE STRAP WITH THE NAILS INDICATED FOR FRAME ON EACH BEARING POINT OF FRAME.

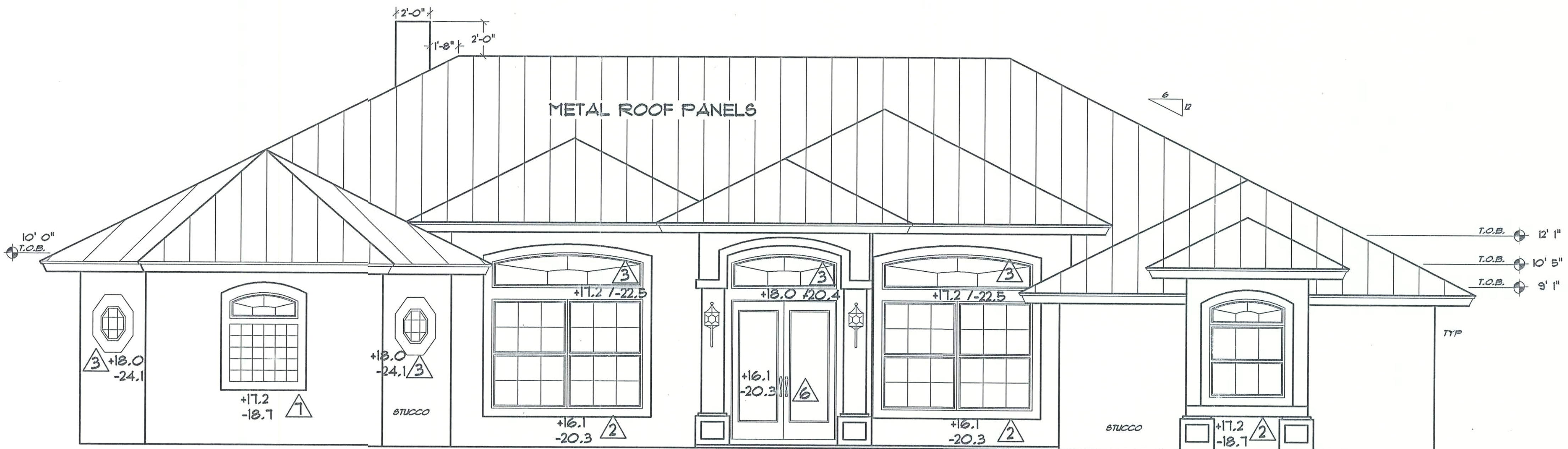
NOTE REGARDING THE INSTALLATION OF STRAPPING:

IN PRACTICE STRAPPING TO CONCRETE BEAMS EFFECT UPLIFT TIE DOWN MAY NOT BE EXACTLY FLUSH WITH THE TRUSS FACE. IF THE OFFSET BETWEEN THE EMBEDDED TRUSS ANCHOR AND THE TRUSS IS GREATER THAN 1/8", IT IS NOT ACCEPTABLE TO ATTACH THE TRUSS ANCHOR TO THE TRUSS WITHOUT SHIMMING OUT THE OFFSET AS FOLLOWS:

IT IS ACCEPTABLE TO SHIM OUT FROM 1/8" TO 1/2" OFFSET, SUCH THAT THE RESULTANT FACE OF THE TRUSS IS FLUSH WITH THE TRUSS ANCHOR, PROVIDED THE FOLLOWING CONDITIONS ARE MET:

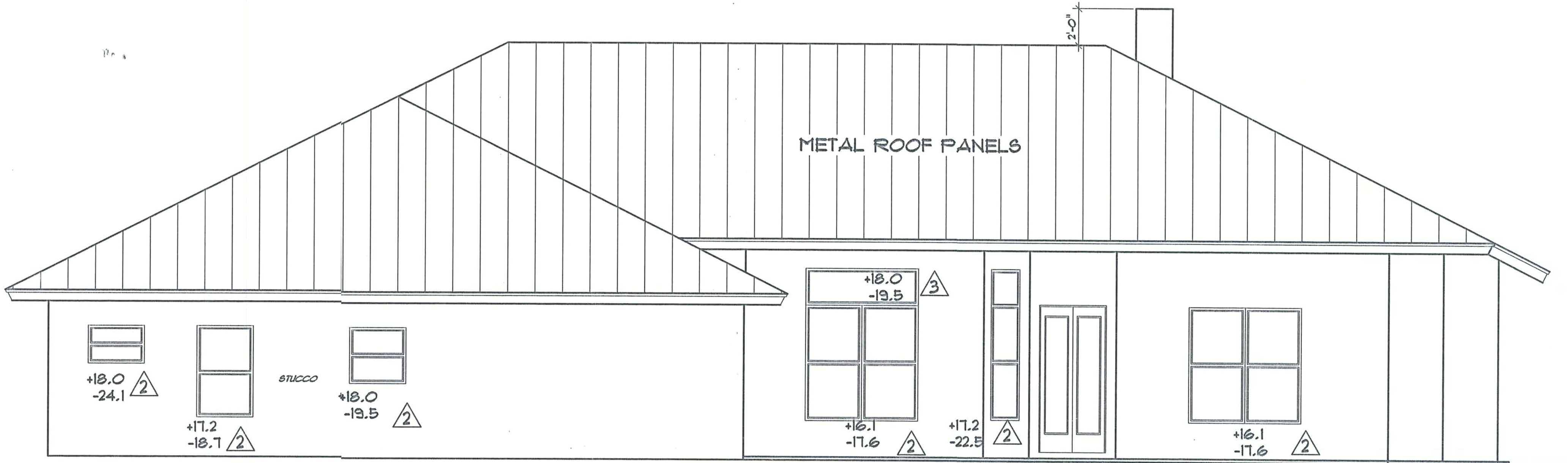
1. THE SHIM MUST BE ATTACHED TO THE TRUSS SUCH THAT BOTH THE TRUSS AND SHIM FUNCTION AS ONE MEMBER. THE ATTACHMENT BETWEEN THE SHIM AND THE TRUSS MUST BE INDEPENDENT OF THE NAILS USED TO ATTACH THE ETA OR HETA TO THE TRUSS.
2. THE SHIM MATERIAL MUST BE AS GOOD OR BETTER QUALITY AS THE MATERIAL MAKING UP THE TRUSS THAT THE SHIM ATTACHES TO.
3. THE SHIM MUST BE OF SUFFICIENT SIZE SUCH THAT ANY NAILING EDGE OR END DISTANCE REQUIREMENTS OUTLINED IN THE CODE APPLICABLE TO YOUR AREA ARE MET.
4. FOR OFFSETS GREATER THAN 1/2", IT IS RECOMMENDED THAT THE EXISTING EMBEDDED TRUSS ANCHOR BE ABANDONED AND A NEW RETROFIT BE INSTALLED AT THE CORRECT LOCATION.

BUILDER HAS THE FLEXIBILITY TO UPGRADE STRAPS (CONNECTORS) WITHOUT MHAVING TO UPGRADE NAIL PATTERN TO SECURE THE SPECIFIC UPLIFT LOADS.



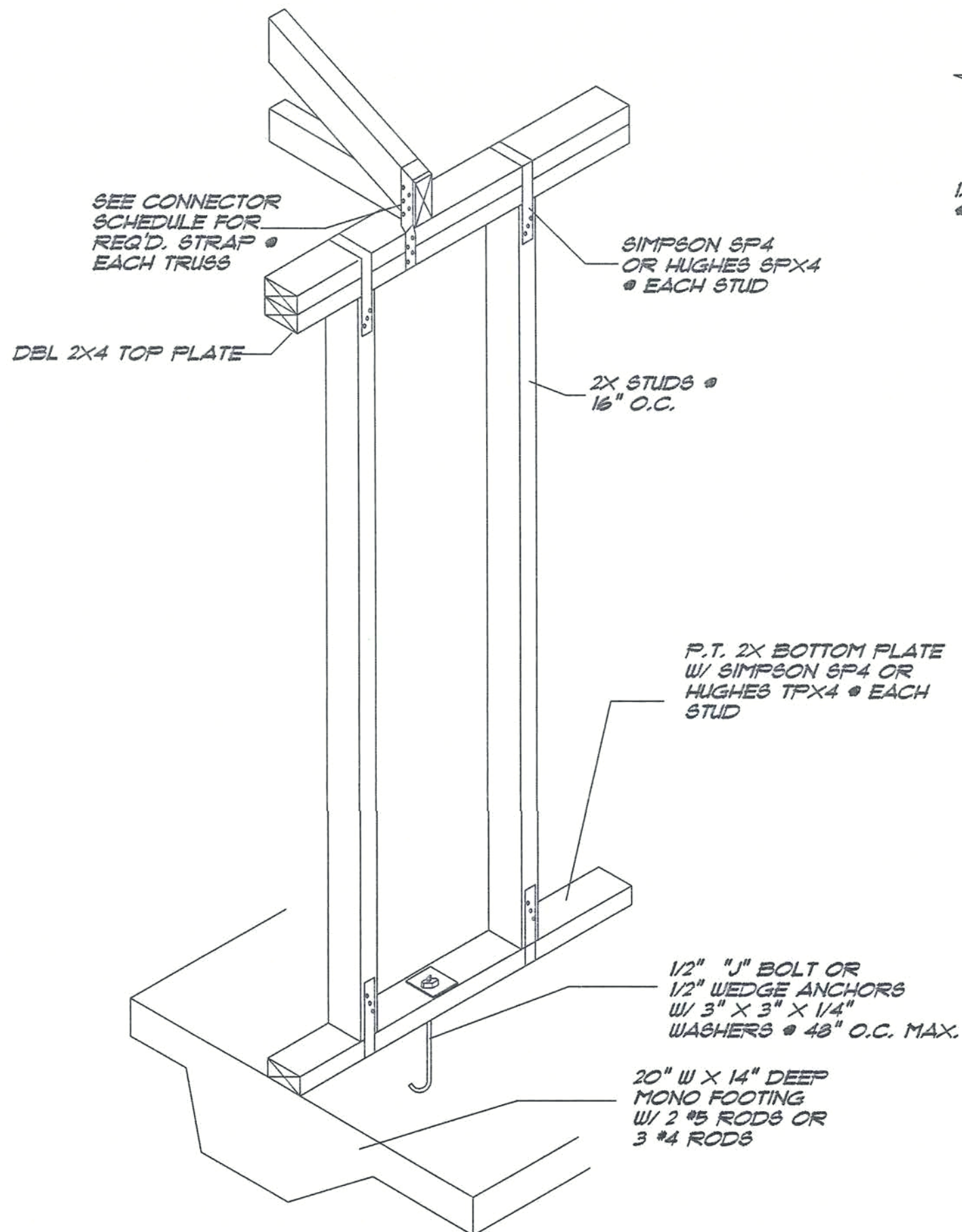
FRONT ELEVATION

SCALE: 1/4" = 1' 0"

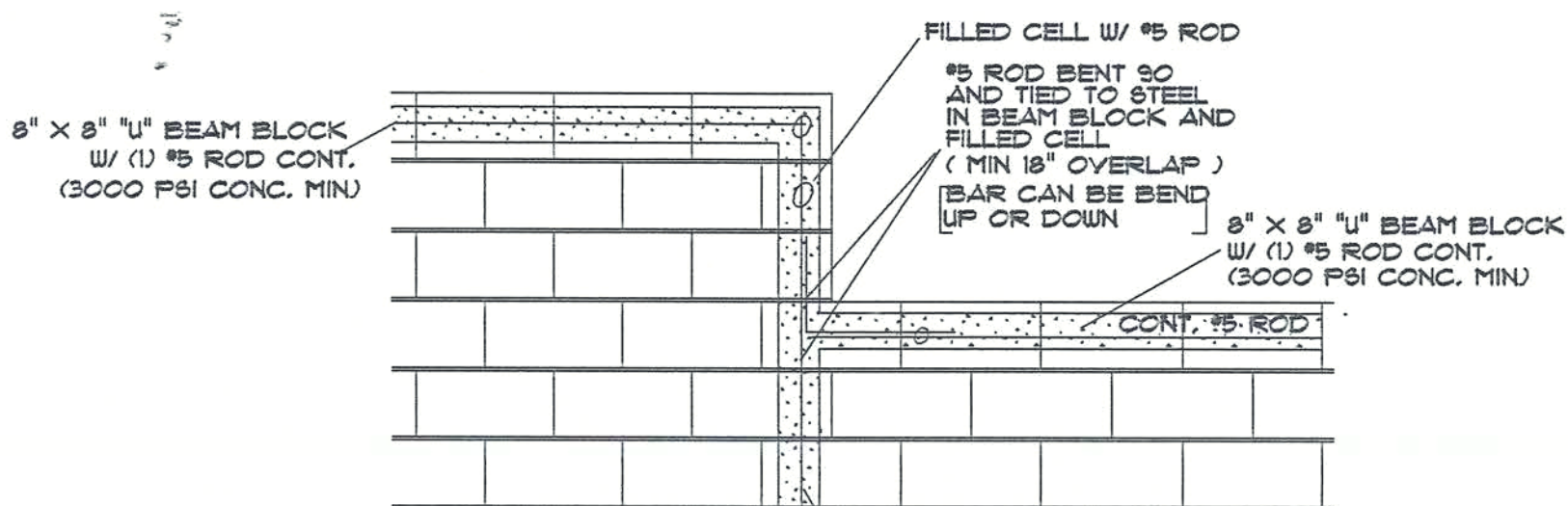


REAR ELEVATION

$$\begin{array}{r} +16.1 \\ -20.3 \\ \hline \end{array}$$

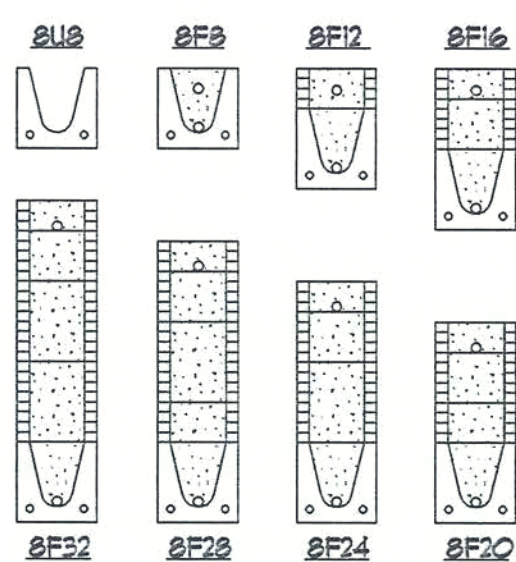


TYP BEARING DETAIL
SCALE: 3/4\"/>

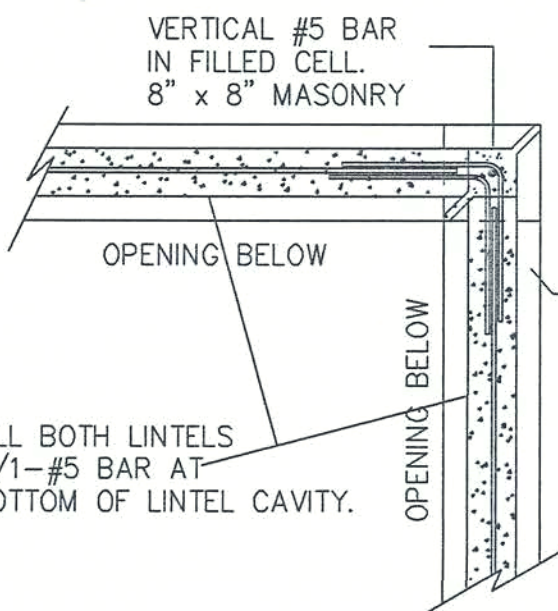
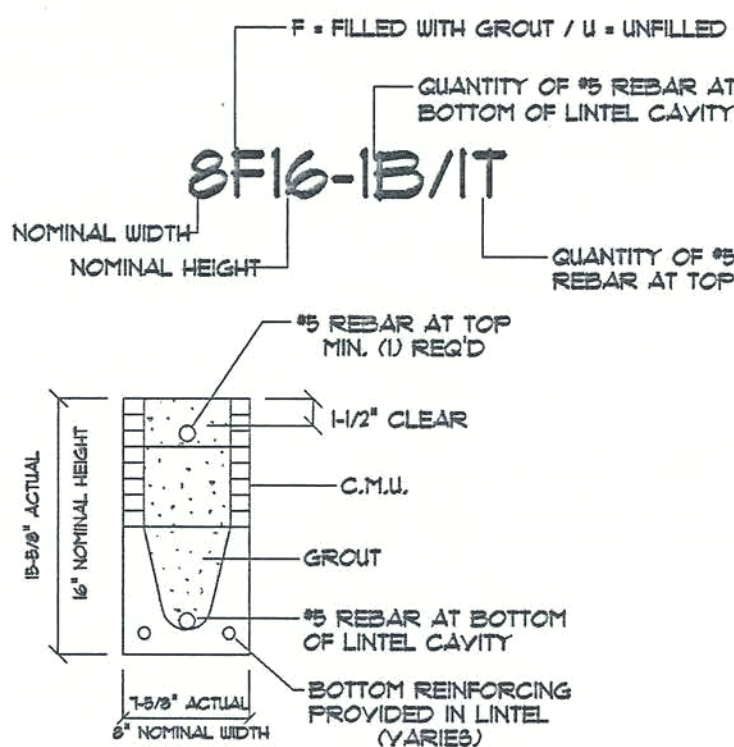


DETAIL AT CHANGE IN WALL ELEVATIONS

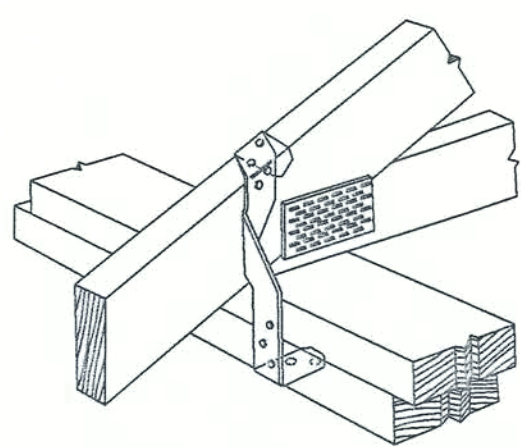
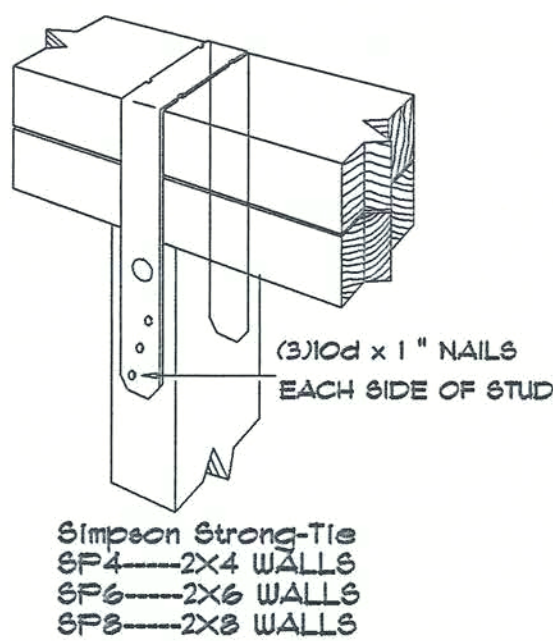
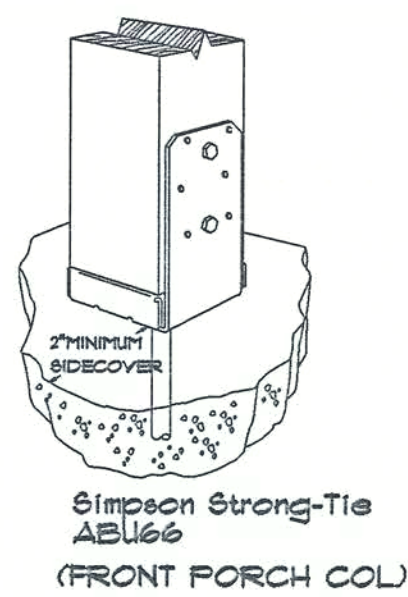
3/4\"/>



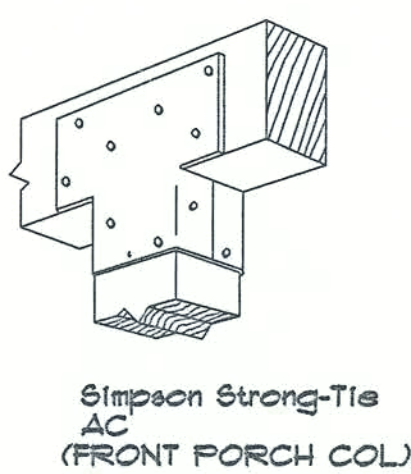
TYPE DESIGNATION



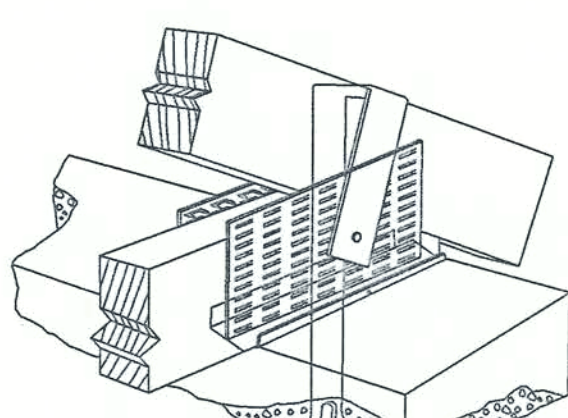
NOTE:
CAST-IN PLACE CONCRETE MAY
BE USED IN LEL OF CONCRETE
MASONRY UNITS.
COMPOSITE BEAM DEPTHS MAY
BE INCREASED WITHOUT COMMENT.
UPLIFTS HAVE BEN CONSIDERED.



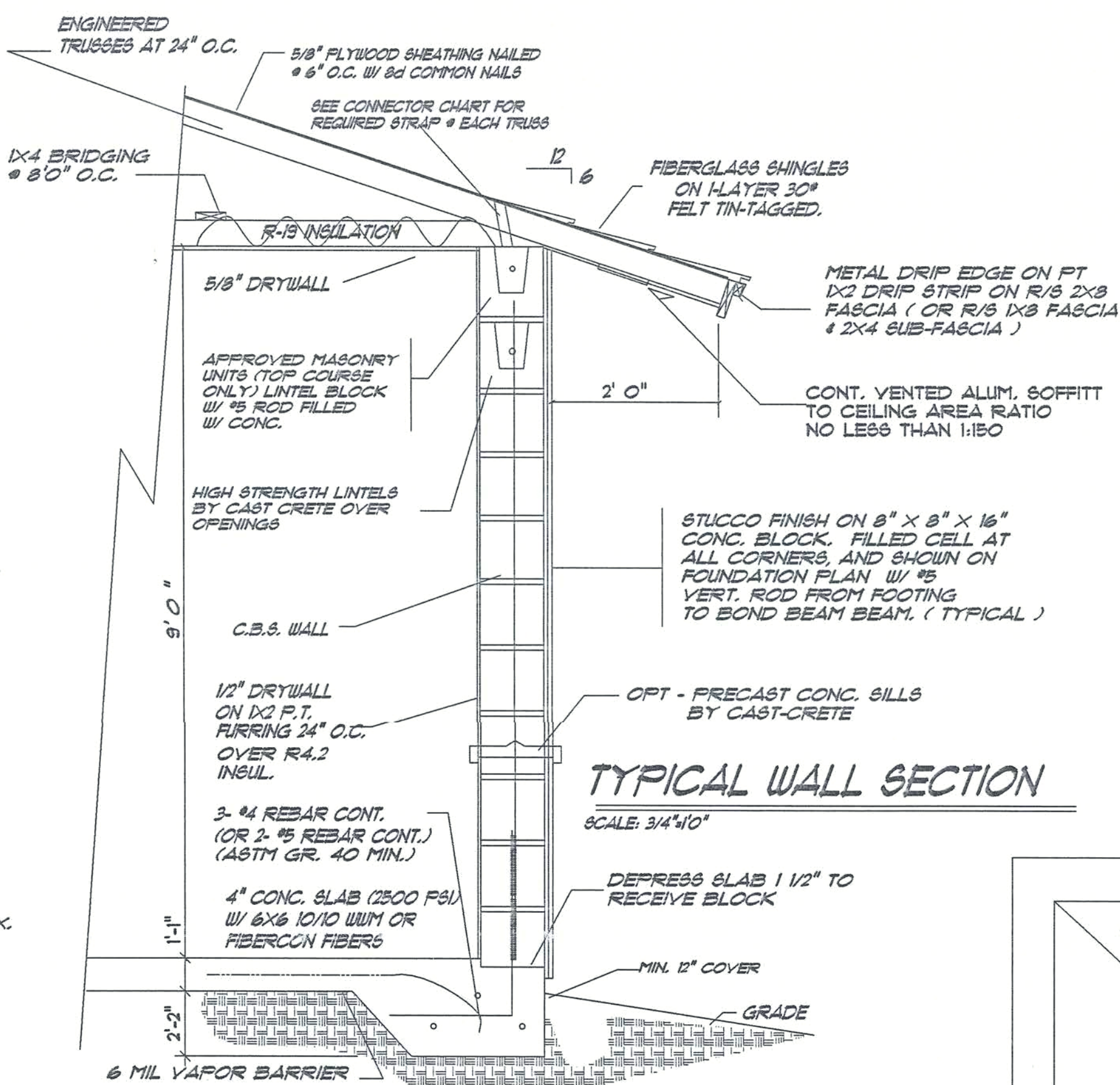
Simpson Strong-Tie
LTR/MTS/MTA



Simpson Strong-Tie
AC (FRONT PORCH COL)

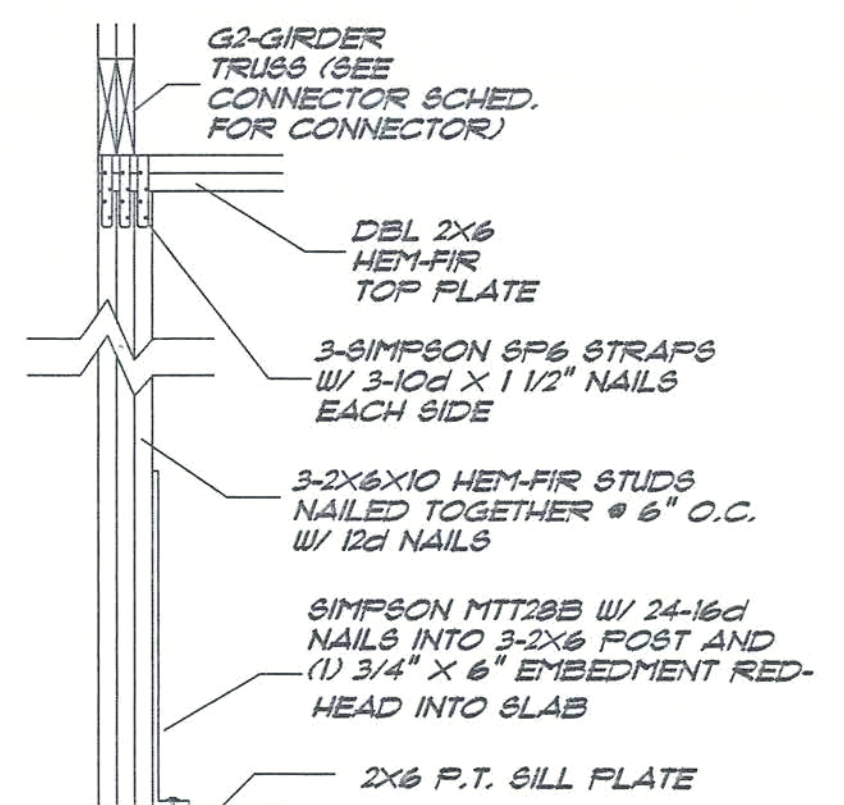


Simpson Strong-Tie
HETA with opt. T86

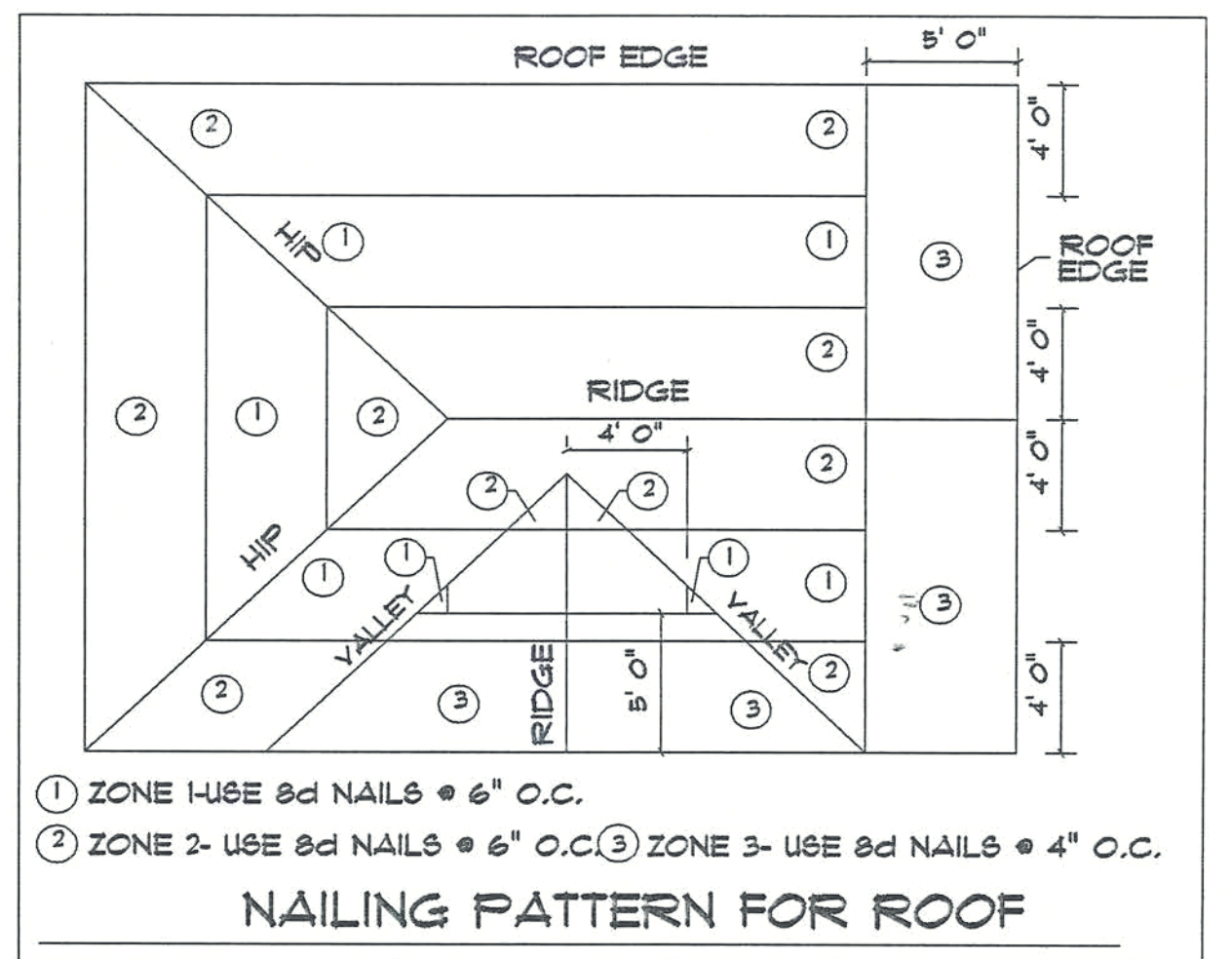


TYPICAL WALL SECTION

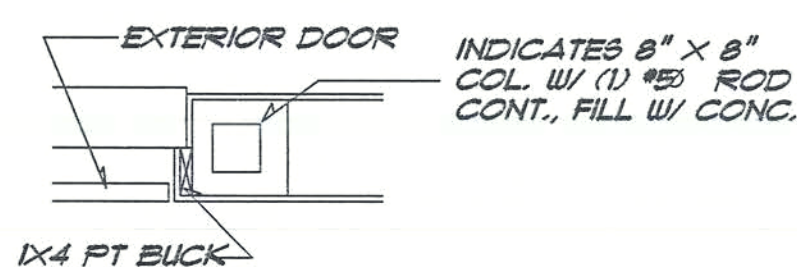
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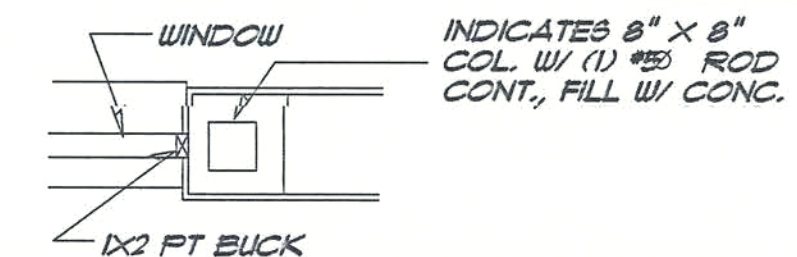
B-2 BEARING POST DETAIL
SCALE: 3/4\"/>



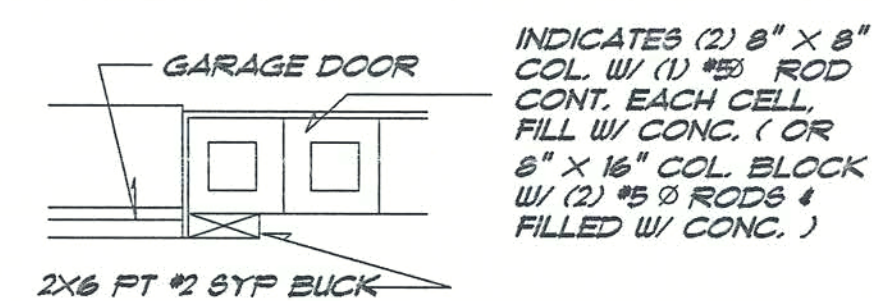
WINDOW & DOOR BUCK DETAILS



DOOR



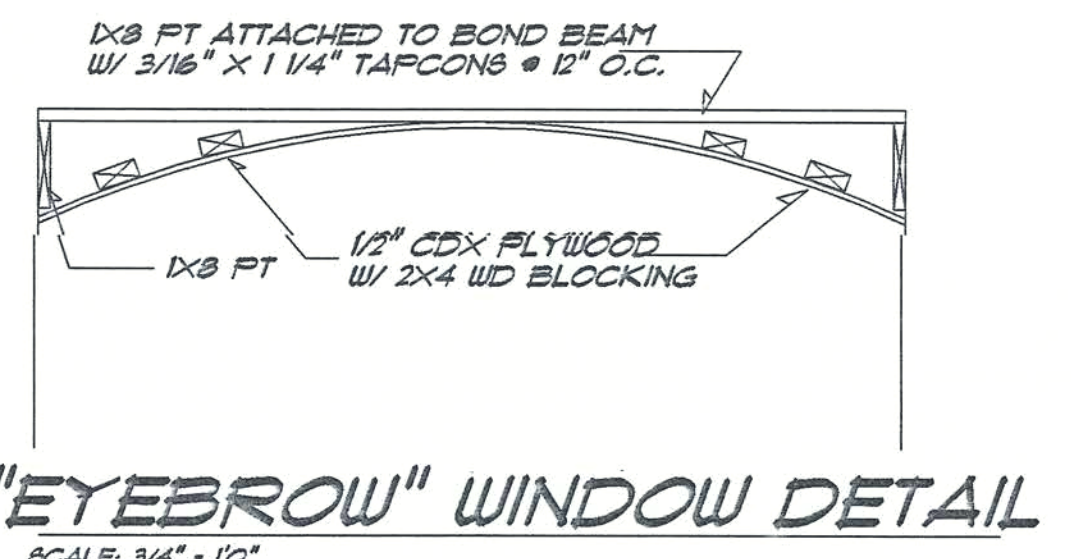
WINDOW



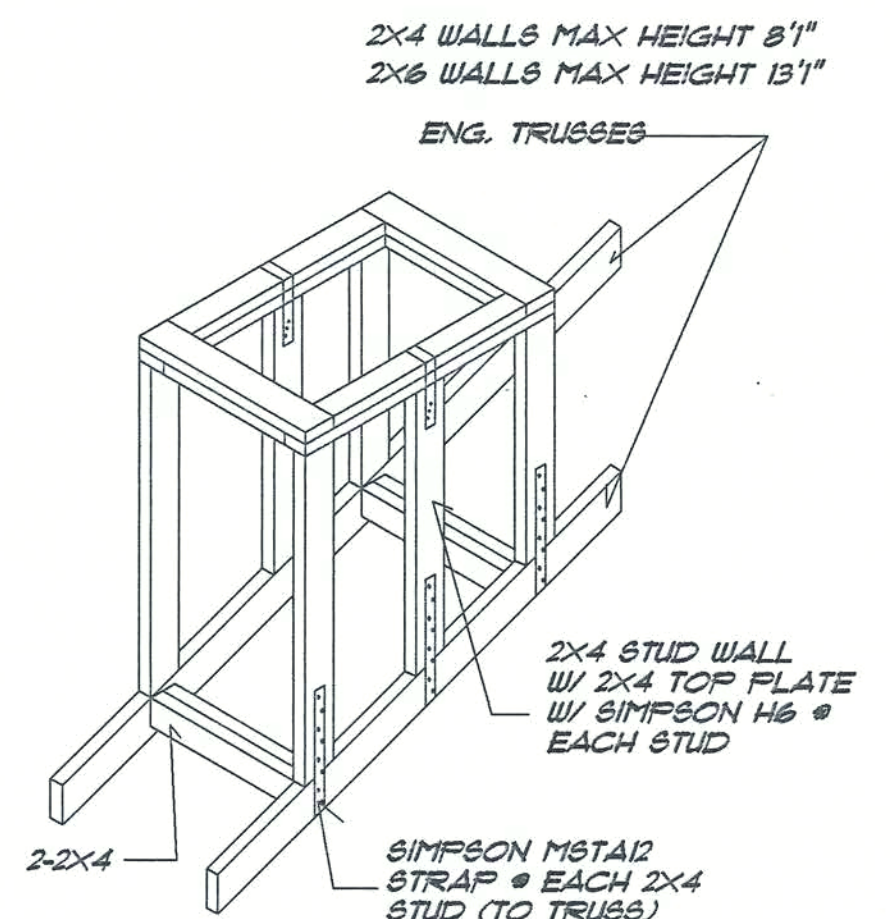
GARAGE DOOR

WINDOW & DOOR BUCKS 2\"/>

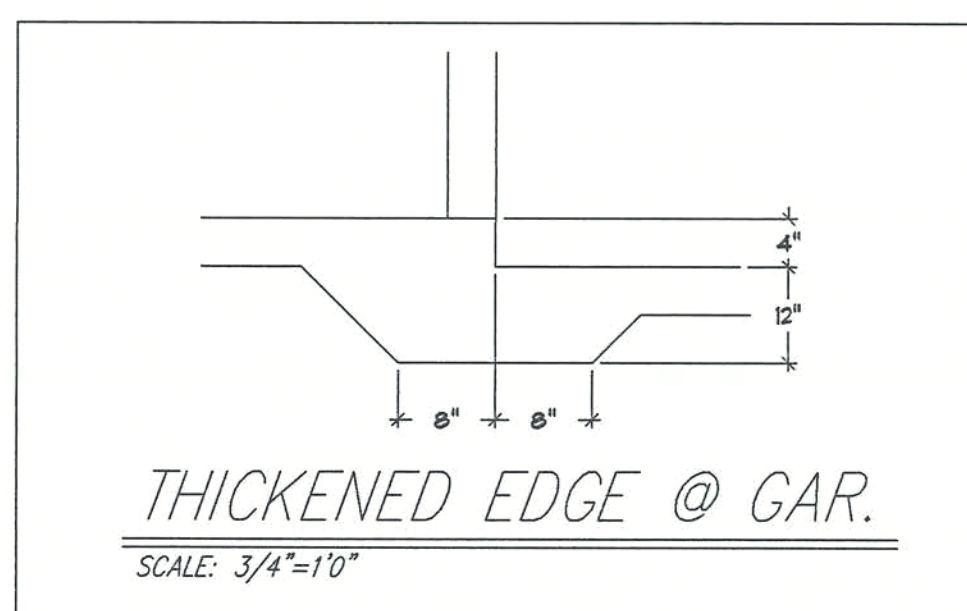
GARAGE DOOR BUCKS 3/16\"/>



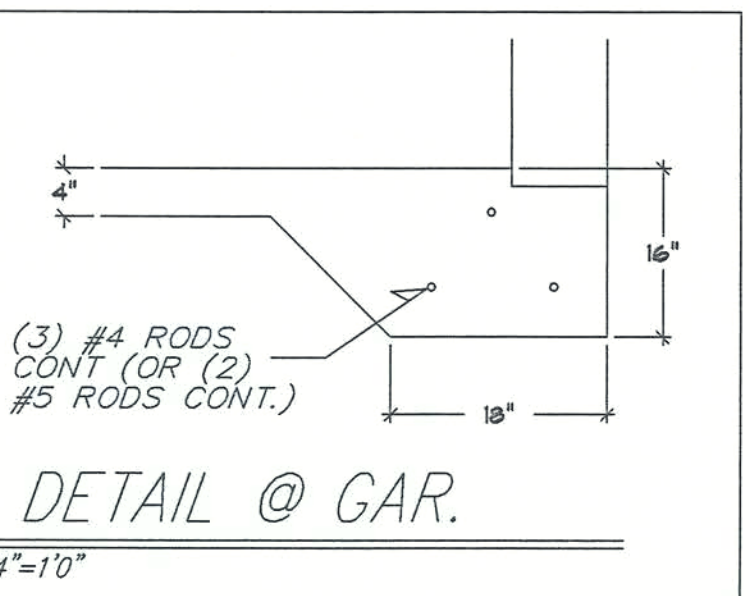
\"EYEBROW\" WINDOW DETAIL
SCALE: 3/4\"/>



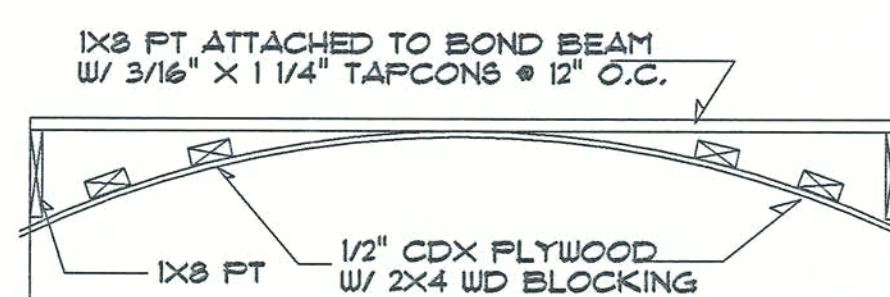
CHIMNEY FRAMING DETAIL



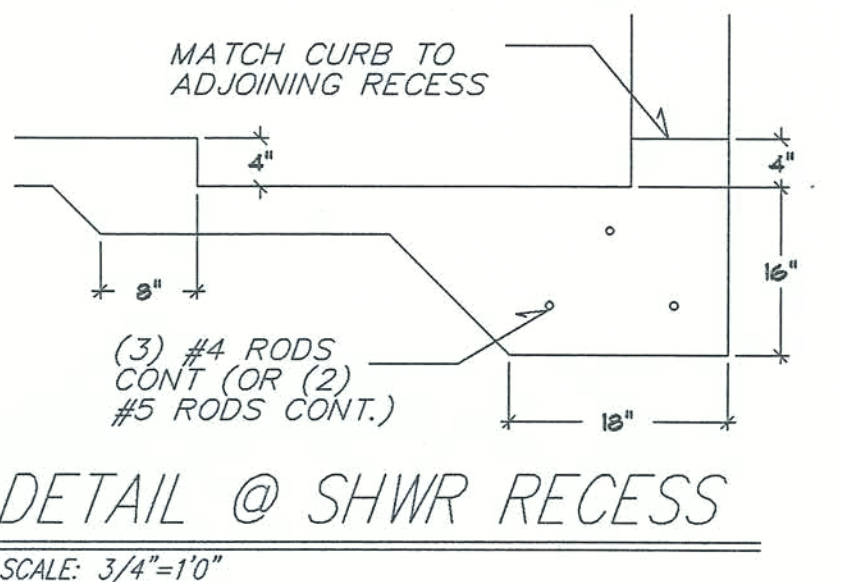
THICKENED EDGE @ GAR.
SCALE: 3/4\"/>



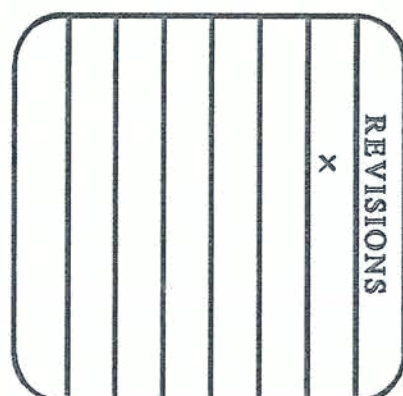
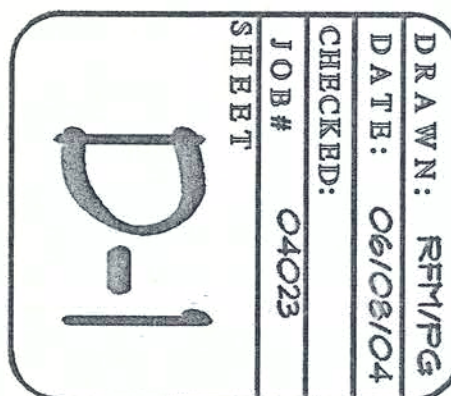
TYP. DETAIL @ GAR.
SCALE: 3/4\"/>



\"EYEBROW\" WINDOW DETAIL
SCALE: 3/4\"/>



DETAIL @ SHWR RECESS
SCALE: 3/4\"/>



Favorito Residence
Port St. Lucie, Florida

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Robert Fullan
SEAL

SCHAARDT & FULLAN
ARCHITECTS, P.C.

ELECTRICAL CALCULATIONS

GENERAL LOAD	SQUARE FEET	WATTS PER SQ. FT.	
	4410	3	13230

SMALL APPLIANCE CIRCUITS	2	1500	3000
LAUNDRY CIRCUIT	2	1500	3000
DISHWASHER	2	1200	2400
REFRIGERATOR	2	1500	3000
DISPOSAL	2	1200	2400
MICROWAVE	1	750	750
WATER HEATER (GAS)	1	3000	3000
DRYER	2	5000	10000
RANGE (GAS)	2	12000	24000
LIGHTS	1	13300	12000
TOTAL			36550

APPLICATION OF DEMAND FACTOR (SEE SECTION 220-3B)

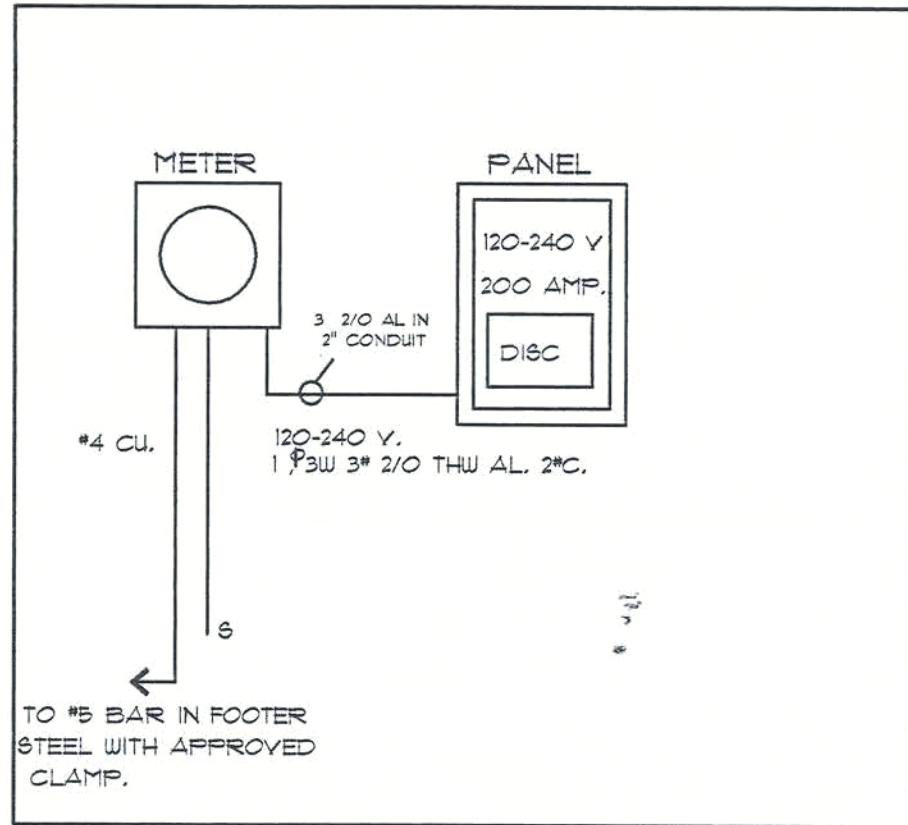
FIRST 10kW AT 100%			20000
REMAINDER AT 40%	26550	40%	10620
10 kW HEAT AT 40%	10000	40%	4000
10 kW HEAT AT 40%	10000	40%	4000
TOTAL kW			38620

CALCULATED LOAD FOR SERVICE SIZE
38620 ÷ 240 VOLTS = 160 AMPS

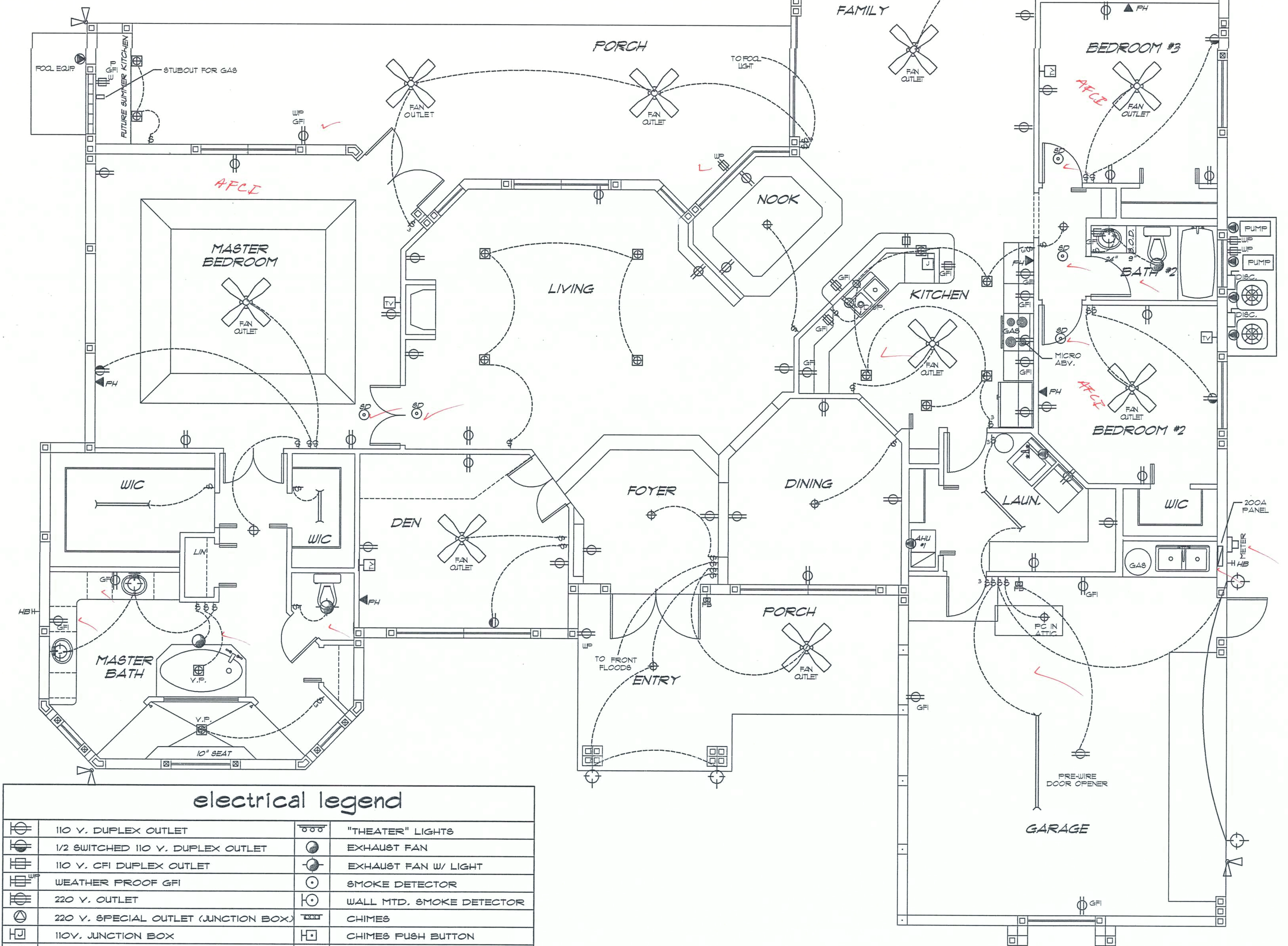
THIS BLDG. WILL REQUIRE 160 AMPS OF SERVICE

#1. Smoke Detectors shall be Electric with Battery Backup & interlocked.

#2. All Bedrooms shall have AFCI protection.



POWER RISER DIAGRAM



electrical legend

110 V. DUPLEX OUTLET	"THEATER" LIGHTS
1/2 SWITCHED 110 V. DUPLEX OUTLET	EXHAUST FAN
110 V. GFI DUPLEX OUTLET	EXHAUST FAN W/ LIGHT
WEATHER PROOF GFI	SMOKE DETECTOR
220 V. OUTLET	WALL MTD. SMOKE DETECTOR
220 V. SPECIAL OUTLET (JUNCTION BOX)	CHIMES
110V. JUNCTION BOX	CHIMES PUSH BUTTON
SWITCH - 42" A.F.F.	TELEPHONE JACK
3-WAY SWITCH - 42" A.F.F.	TELEVISION JACK
DIMMER SWITCH - 42" A.F.F.	THERMOSTAT
SURFACE MTD. CEILING FIXTURE	INTERCOM
PENDANT FIXTURE	ELECTRICAL PANEL
RECESSED LIGHT	ELECTRICAL METER
WALL MTD. BRACKET - 12" A.F.F.	A/C DISCONNECT
FLUORESCENT FIXTURE	EXTERIOR SPOT LIGHTS

ELECTRICAL PLAN

SCALE: 1/4" = 1' 0"

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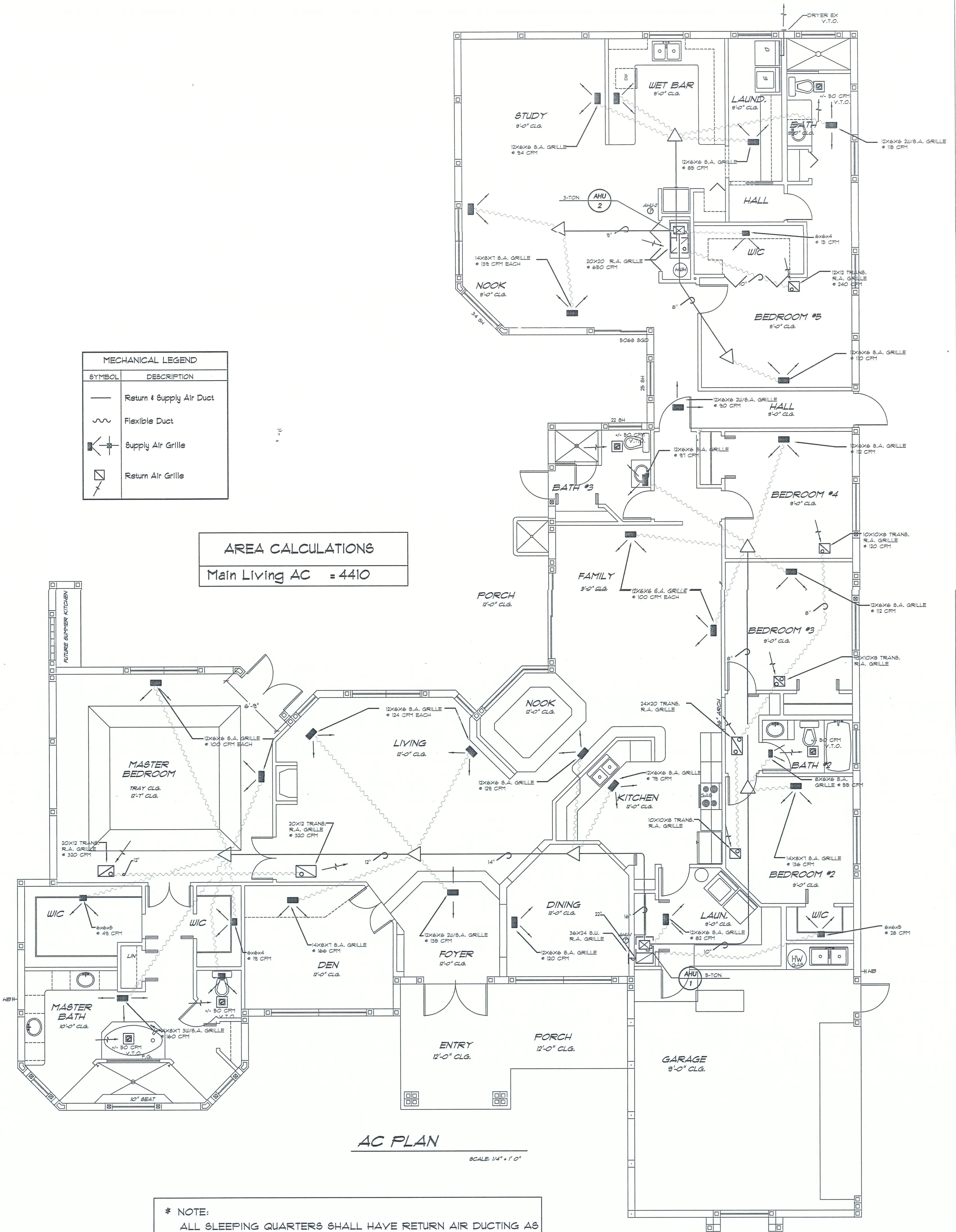
1

DRAWN: RFP/RS
DATE: 06/08/04
CHECKED: CAC/RS
JOB#: 04023
SHEET

REVISIONS

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	Return & Supply Air Duct
	Flexible Duct
	Supply Air Grille
	Return Air Grille

AREA CALCULATIONS	
Main Living AC	= 4410



AC PLAN

SCALE: 1/4" = 1' 0"

- * NOTE:
ALL SLEEPING QUARTERS SHALL HAVE RETURN AIR DUCTING AS REQUIRED BY FBC2001 (70 SQ. IN. PER 100 CFM)
- * NOTE:
SEE MANUAL J'S & ENERGY CALS FOR LOADS AND EQUIPMENT DATA.

1-1
REVISIONS
DATE: 06/08/04
CHECKED: 04023
DRAWN: RFM/PG
DATE: 06/08/04
CHECKED: 04023
DRAWN: RFM/PG

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DATE: 06/08/04
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DATE: 06/08/04
CHECKED: 04023
DRAWN: RFM/PG

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LINTEL SCHEDULE				GRAVITY		UPLIFT	
I.D. #	TYPE	LINT. LENGTH	APPL.	MAX	APPL.	MAX	
1	8F16 - CB/IT	2' - 10"	300	6113	150	4460	
2	8F16 - CB/IT	4' - 0"	600	3820	300	3078	
3	8F16 - CB/IT	4' - 6"	1200	2931	600	2742	
4	8F16 - CB/IT	5' - 4"	1000	1999	500	2290	
5	8F16 - CB/IT	7' - 6"	800	2632	400	1634	
6	8F16 - CB/IT	9' - 4"	1000	1625	500	1133	
7	8F16 - CB/IT	10' - 6"	600	1247	300	914	
8	8F16 - CB/IT	11' - 4"		1288		728	
9	8F16 - CB/IT	12' - 0"		1284		723	
10	8F16 - CB/IT	13' - 4"		1078		606	
11	8F16 - CB/IT	14' - 0"		1002		558	
12	8F16 - CB/IT	14' - 8"		1370		770	
13	8F16 - CB/IT	15' - 4"		1250		705	
14	8F16 - CB/IT	17' - 4"	700	950	350	404	

Maximum Lintel Loads

UNIFORM SAFE LOADED WITH CONC. (NO STEEL FILLED WITH ONE #5 ROD PER FOOT FILLED RODS) ACTING AS COMPOSITE ACTING AS COMPOSITE BEAM W/ 3000 PSI CONCRETE WITH 8" PERIMETER BEAM WITH 8" PERIMETER BEAM W/ NO STEEL OR REINFORCED WITH ONE #5 ROD REINFORCED WITH ONE #5 ROD PERIMETER BEAM UNIFORM SAFE LOAD PER FOOT UNIFORM SAFE LOAD PER FOOT

TYPICAL SLAB NOTES

4" CONCRETE SLAB WITH 6X6 10/10 W/M OVER CLEAN, COMPACTED, NON-ORGANIC FILL TO 95% DENSITY SOIL BELOW SLAB TO BE TREATED PRIOR TO SLAB POUR. 5" SLURRY, 2500 PSI CONC OVER 5 MIL VAPOR BARRIER. ALL FOOTING DESIGNS BASED ON 2500 PSF SOIL BEARING CAPACITY. CONTRACTOR TO VERIFY

NOTE: WIRE MESH ALTERNATE "NYCON CORPLAN" RC FIBERS TO BE INSTALLED AS APPROVED BY PALM BEACH CO. BUILDING DEPARTMENT. INCORPORATION OF SAID FIBERS SHALL BE DOCUMENTED ON THE DELIVERY TICKET FROM THE READY MIX PRODUCER.

FOUNDATION PLAN

SCALE: 1/4" = 1' 0"

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