

DR. KUMAR

MEDICAL OFFICE BUILDING

1616 APOLLO BLVD.

MELBOURNE, FL

OWNER:
NK SOUL LLC
5462 EMMA LAKE COURT
MELBOURNE, FL 32934

ENGINEER OF RECORD:
G.L. Karel P.E. FL 51406
6675 Flamingo Road
Melbourne Village, Florida 32904
Phone and Fax 321 723-9393
GLKPE@CFL.RR.COM



CODE INFORMATION:

OCCUPANCY:
CHAPTER 3 F.B.C., BUSINESS GROUP B MEDICAL OFFICE

CONSTRUCTION TYPE:
TABLE 503 F.B.C. (B, TYPE III-B, NOT PROTECTED/NOT SPRINKLED)

OCCUPANT LOAD:
FBC TABLE 1004.1.1: 1 PERSON PER 100 S.F./3500=35 PERSONS

EGRESS CALCULATIONS:
TABLE 1005.1 F.B.C.:
TWO EXITS REQUIRED - TWO EXITS PROVIDED
EGRESS WIDTH REQUIRED 44" - PROVIDED 60"
MAIN ENTRANCE / EXIT DOORS 36"

WATER CLOSET CALCULATION:
TABLE 403.1 F.B.C. (PLUMBING) 1-TOILET PER 25 PEOPLE
PROVIDED=1 MALE, 1 FEMALE AND 1 PRIVATE

LIFE SAFETY DISTANCE OF TRAVEL:
TABLE 1016.1 F.B.C.
200' MAX REQUIRED, 92' ACTUAL

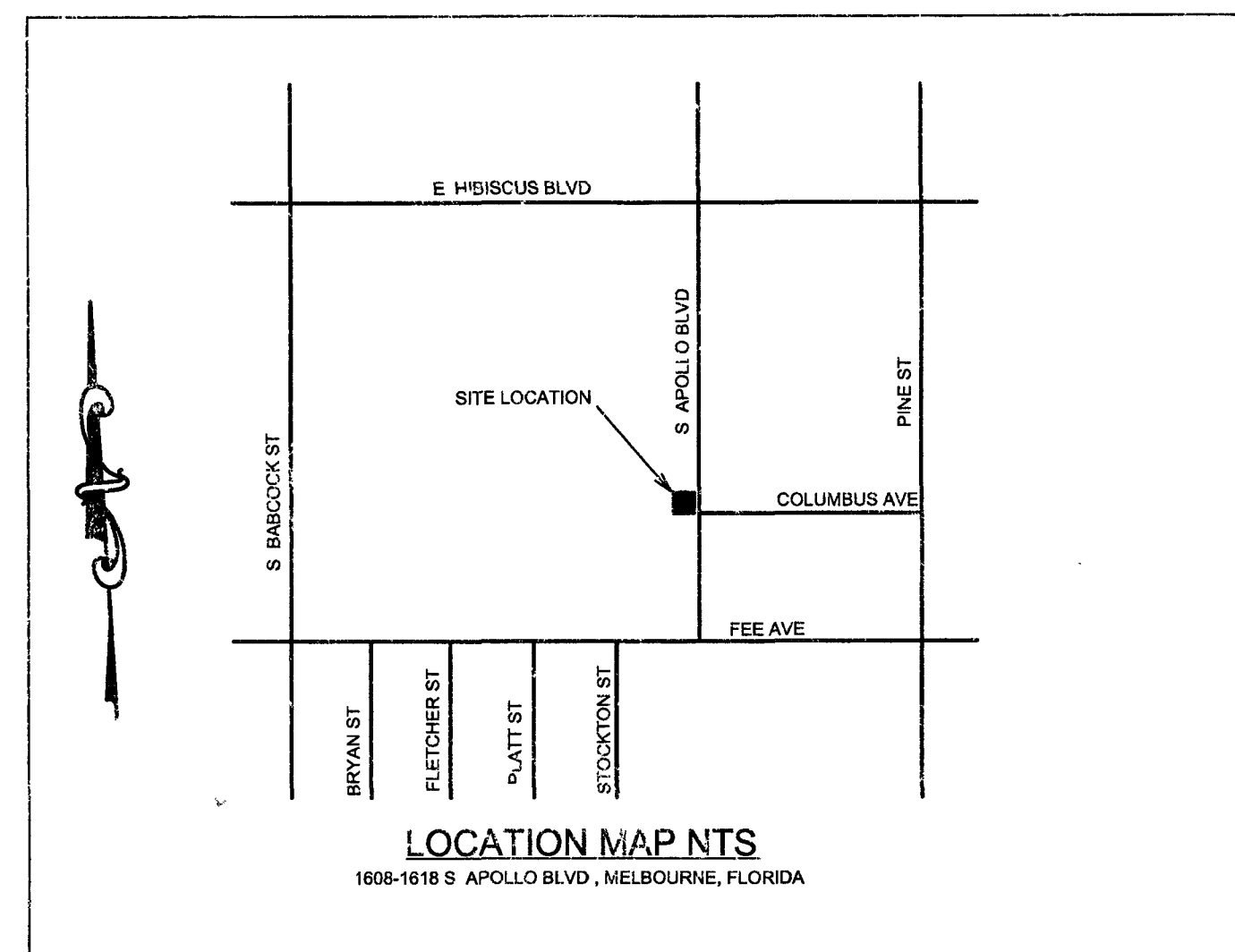
ACCESSIBLE CODES:
CHAPTER 11 F.B.C.

BUILDING CODE DATA:
2007 FLORIDA BUILDING CODE
2007 FLORIDA PLUMBING CODE
2007 FLORIDA MECHANICAL CODE
2008 NATIONAL ELECTRICAL CODE
2007 FLORIDA FIRE PREVENTION CODE
2007 FLORIDA LIFE SAFETY CODE
INCLUDES 2009 SUPPLEMENTS TO FLORIDA BUILDING CODES
COMPLIES WITH FLORIDA ENERGY CODE CHAPTER 13, S.C. 13-4

THIS IS A STAND-ALONE BUILDING

ZONING

C-1A (OFFICE)

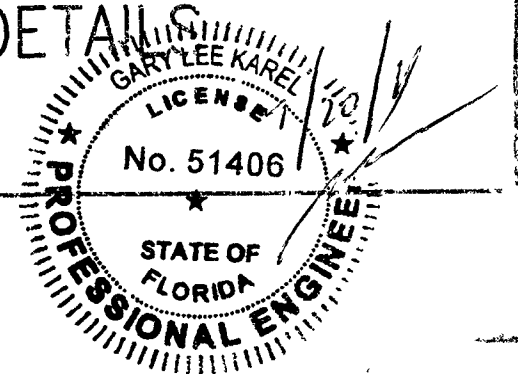


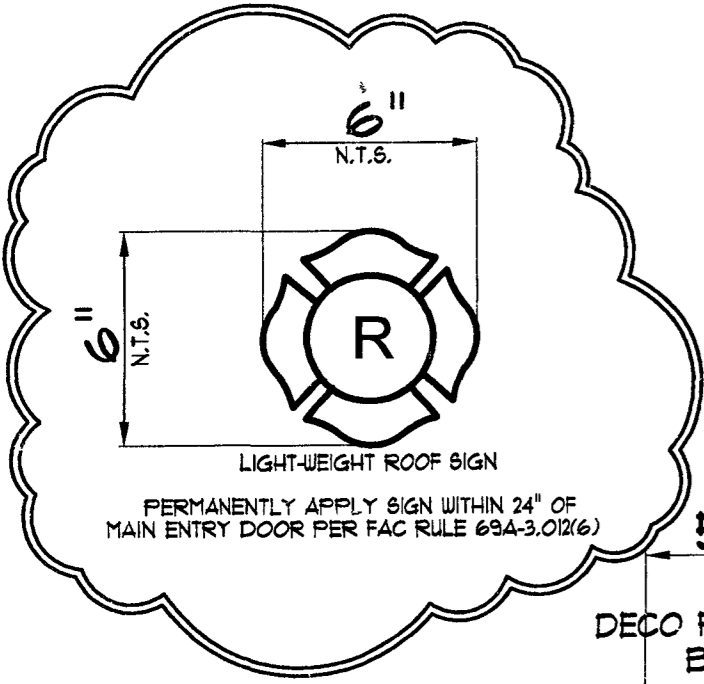
DESCRIPTION: PARCEL I.D.: 28-37-03-29-00000.0-0001.0, 0002.0, 0003.00 AND 0005.0
THAT PART OF ARMSTRONG'S RESUBD OF LOT 14 OF JOHNSON & RHODES SU, LOTS 1, 2, 3, 4, 5 AND 6
APPLIES TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 0004, PAGE 0020, PUBLIC RECORDS OF BREVARD
COUNTY, FLORIDA

CITY OF MELBOURNE	
In the case of omissions or errors the approval of these drawings does not relieve the permittee of responsibility for compliance with all stipulations, City Codes and Ordinances whether or not compliance is reflected on these drawings. There may be additional restrictions applicable to this property found in the public records of Brevard County.	
Permittee:	
<input checked="" type="checkbox"/> APPROVED	<input checked="" type="checkbox"/> SEE LETTER ATTACHED
By: <i>Bon Megan</i>	Date: <i>8/3/11</i>

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- SHEET 9: SECTIONS AND ELEVATIONS
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- SHEET 12: ROOF LAYOUT, SECTIONS AND DETAILS
- SHEET 13: STRUCTURAL NOTES AND DETAILS
- SHEET 14: FIRE PREVENTION DETAILS





ROOM	FLOOR	WALLS	BASE	CEILING	WALL FINISH	COMMENTS
OFFICE	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
HCP	CER. TILE	DRYWALL	VINYL	DRYWALL	TWO COATS EPOXY	
PRIVATE	CER. TILE	DRYWALL	VINYL	DRYWALL	TWO COATS EPOXY	
DR'S OFFICE	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
EXAM	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
TRIAGE	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
JANITOR	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
CLOSET	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
MECHANICAL	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
WAITING	CER. TILE	DRYWALL	WOOD	DRYL/AC TILE	TWO COATS INTERIOR LATEX	CHAIR RAIL & CROWN MOLD
HALLWAYS	CER. TILE	DRYWALL	WOOD	DRYL/AC TILE	TWO COATS INTERIOR LATEX	CHAIR RAIL & CROWN MOLD
GATHERING	CER. TILE	DRYWALL	WOOD	DRYL/AC TILE	TWO COATS INTERIOR LATEX	CHAIR RAIL & CROWN MOLD
RECEPTION	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	
NURSE STA.	CER. TILE	DRYWALL	VINYL	ACOUSTIC TILE	TWO COATS INTERIOR LATEX	

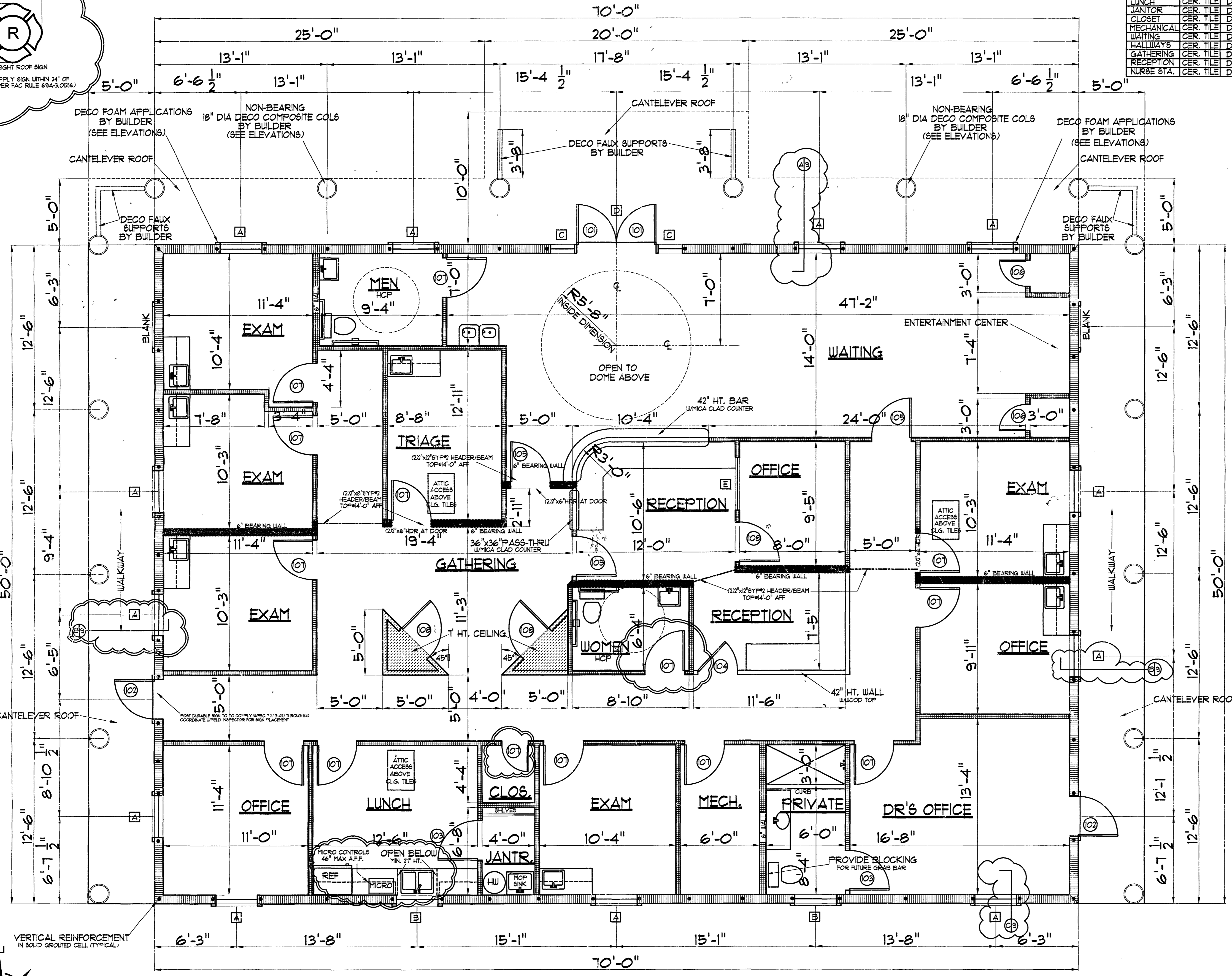
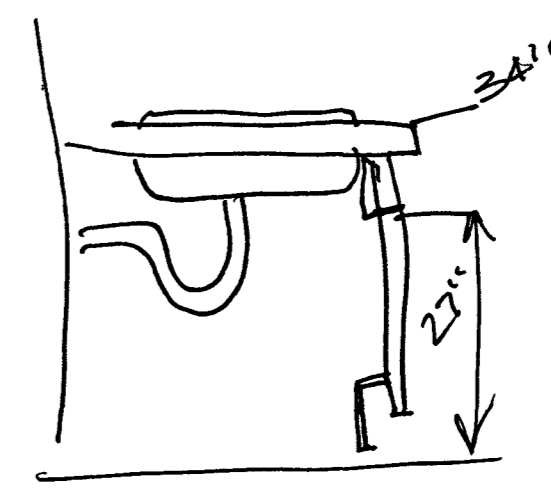
NO.	DESCRIPTION	FRAME	FINISH	QTY	HARDWARE	COMMENTS
101	3070 GLASS	ALUM	MILL	2 EA.	PUSH BAR	W/CLOSER & DEADBOLT
102	3068 SC	STEEL	PAINT	2 EA.	MANUAL	W/CLOSER & DEADBOLT
103	3068 HC	WOOD	PAINT	1 EA.	PRIVACY	
104	3042 HC	WOOD	PAINT	1 EA.	MANUAL	
105	3068 HC	WOOD	PAINT	3 EA.	MANUAL	
106	2068 HC	WOOD	PAINT	2 EA.	MANUAL	20 MIN. RATED W/CLOSER
107	3068 HC	WOOD	PAINT	15 EA.	PRIVACY	20 MIN. RATED W/CLOSER
108	3068 HC	WOOD	PAINT	2 EA.	PRIVACY	20 MIN. RATED W/CLOSER
109	2068 HC	WOOD	PAINT	15 EA.	PRIVACY	20 MIN. RATED W/CLOSER

NO.	DESCRIPTION	FRAME	QTY	COMMENTS
A	36"x60"	ALUM	12 EA.	FIXED GLASS-STORM RESISTANT
B	36"x36"	ALUM	2 EA.	FIXED GLASS-STORM RESISTANT
C	22"x24"	ALUM	2 EA.	FIXED GLASS-STORM RESISTANT
D	10" DIA 1/2" RND	ALUM	1 EA.	FIXED GLASS-STORM RESISTANT
E	48"x36"	ALUM	1 EA.	FIXED GLASS-20 MIN. RATED

NOTE: ALL DOORS TO HAVE LEVER-TYPE HANDLES PER ADA. EXTERIOR DOORS TO REMAIN UNLOCKED DURING HOURS BUILDING IS OCCUPIED. NOTE: ALL RATED DOORS TO HAVE SIGN: "TO REMAIN CLOSED AT ALL TIMES"

Type III construction requires 2-hour rated block. Provide 2-hour block documentation.

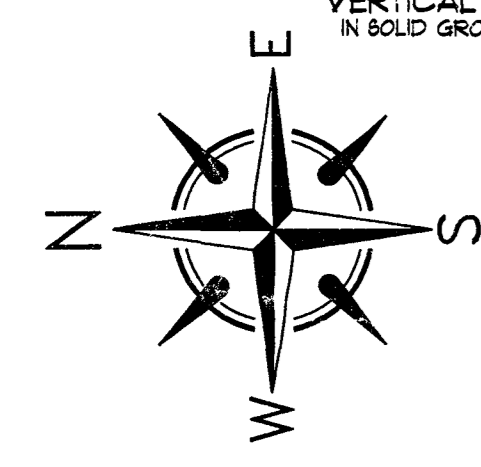
HANDICAP LUNCH RM SINK
RATED DOOR LABELS
RATED DOOR CLOSERS
LABEL PANEL
BOTH FAN



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

NOTE: WALLS 8" EXTERIOR, 4" INTERIOR, EXCEPT AS NOTED

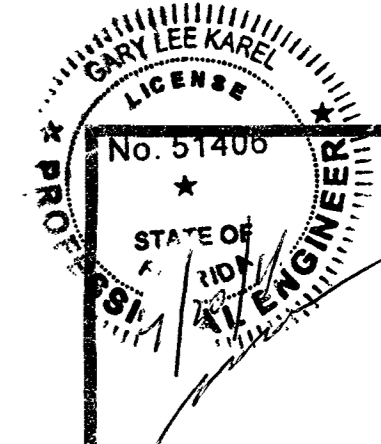
Fire Extinguishers will be Provided by Local Fire Safety Equipment Company and meet requirements of NFPA 10. General Contractor shall coordinate final approval of Class, number, location and spacing with Field Inspector.



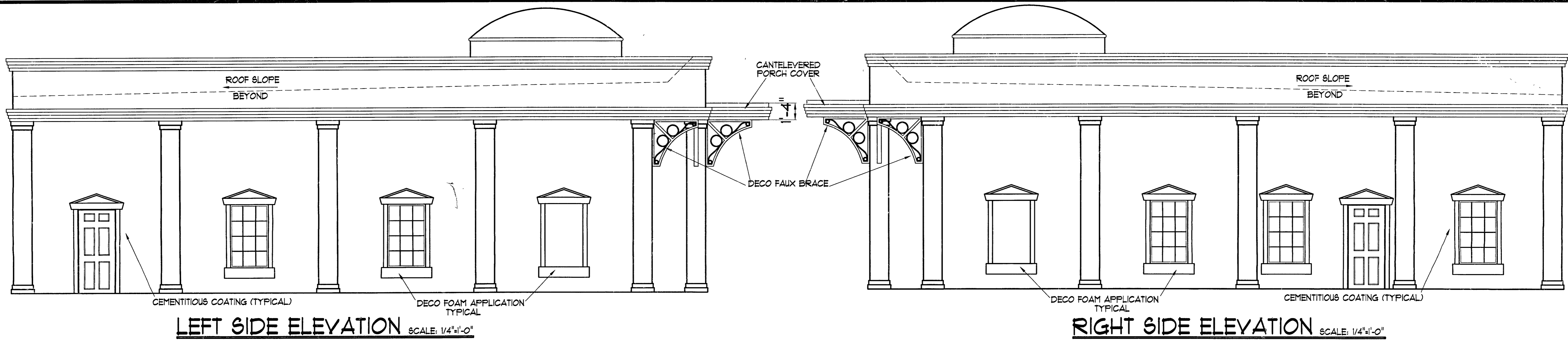
DRAWINGS DESIGNED TO MEET WHERE APPLICABLE DESIGN LOADS SECTION 1609, FEB 2007 FOR WIND LOADS OF 130 MPH EXPOSURE 'C' ENCLOSED STRUCTURE FLORIDA BUILDING CODE 2007 Edition (FBCR 2007 WHERE APPLICABLE) 2009 'S' FLORIDA FIRE PREVENTION CODE 2007 FLORIDA LIFE SAFETY CODE 2007 NATIONAL ELECTRIC CODE 2008

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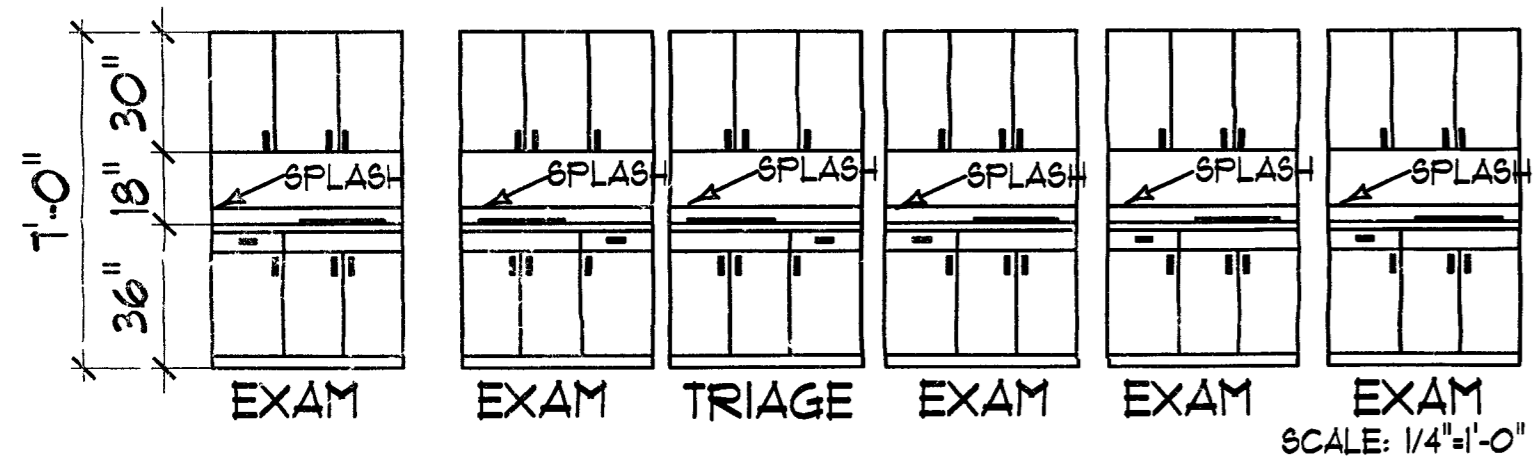


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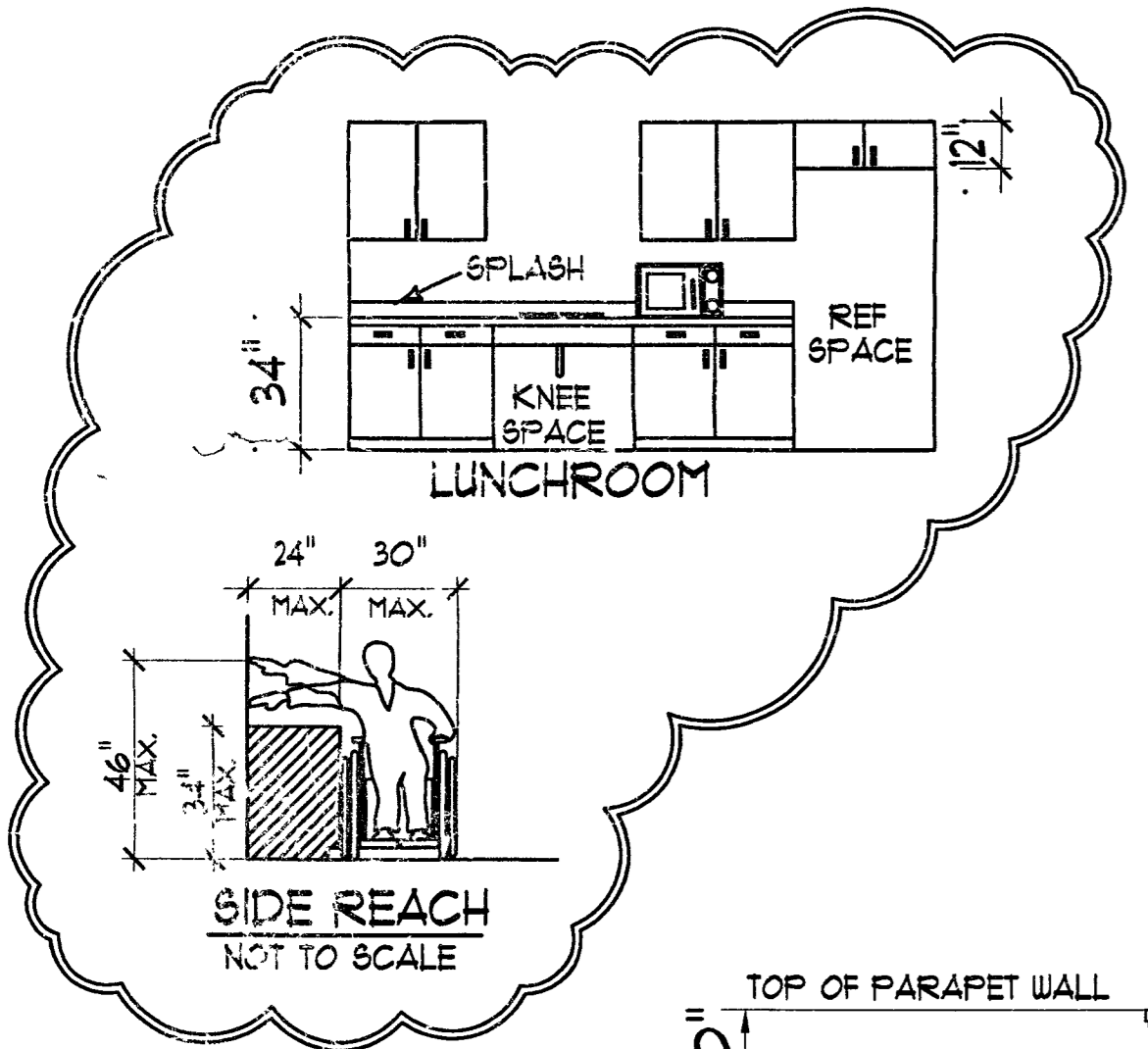


LEFT SIDE ELEVATION SCALE: 1/4"=1'-0"

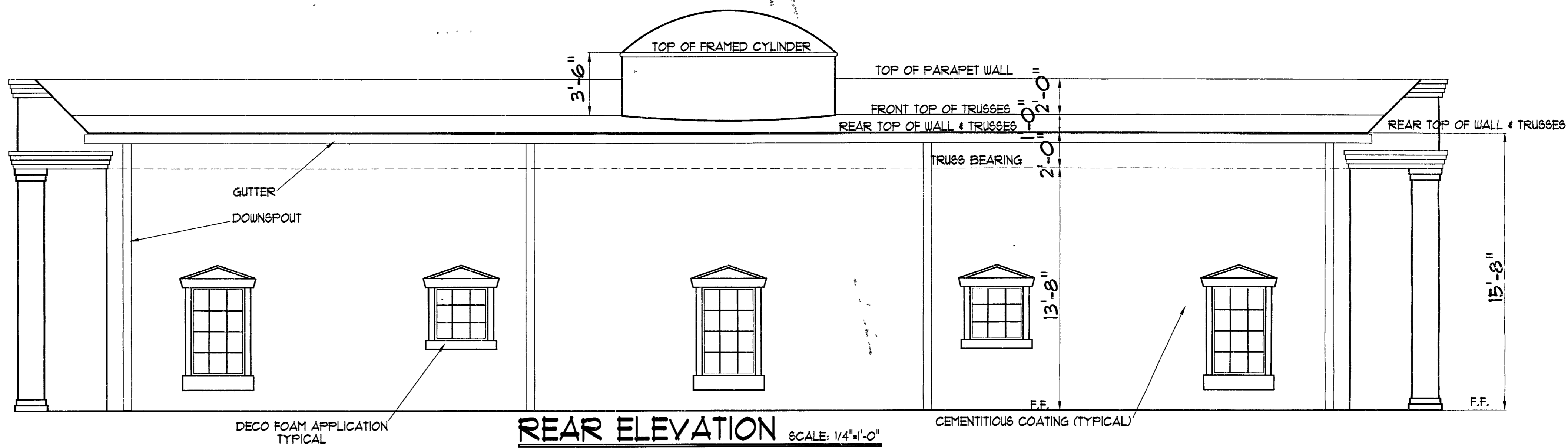
RIGHT SIDE ELEVATION SCALE: 1/4"=1'-0"



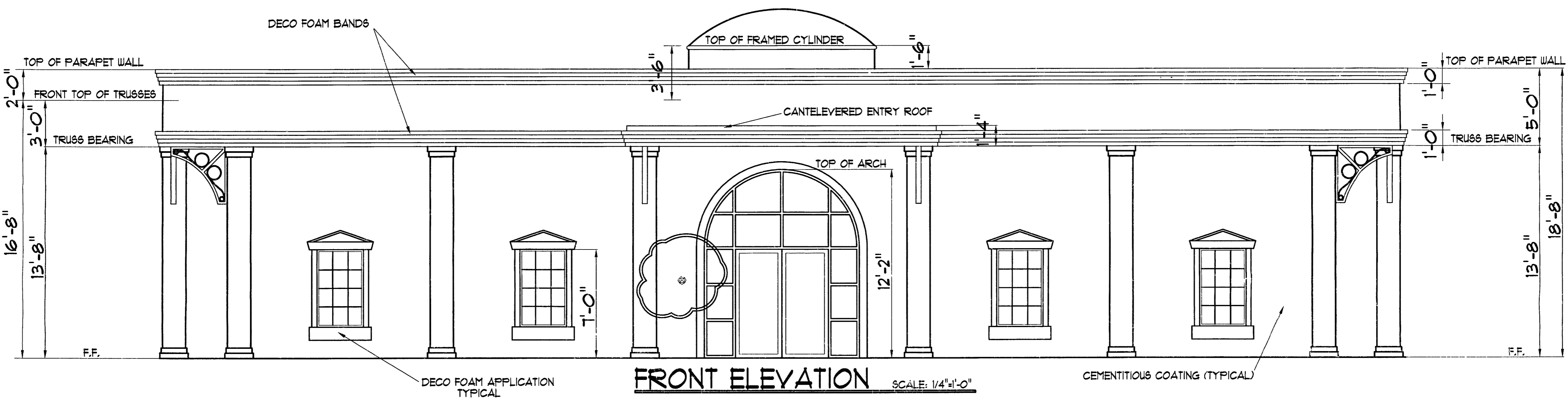
SCALE: 1/4"=1'-0"



SIDE REACH
NOT TO SCALE



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



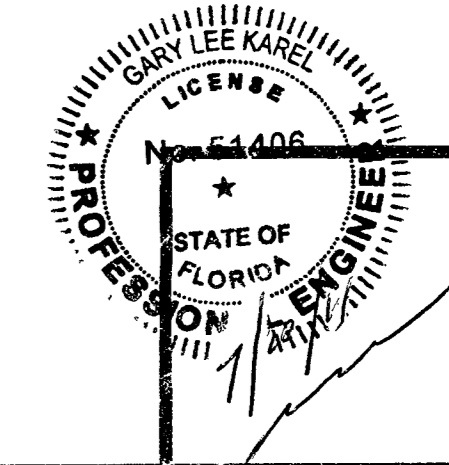
FRONT ELEVATION SCALE: 1/4"=1'-0"

DATE: 6-14-2011
REVISIONS: 7-18-2011

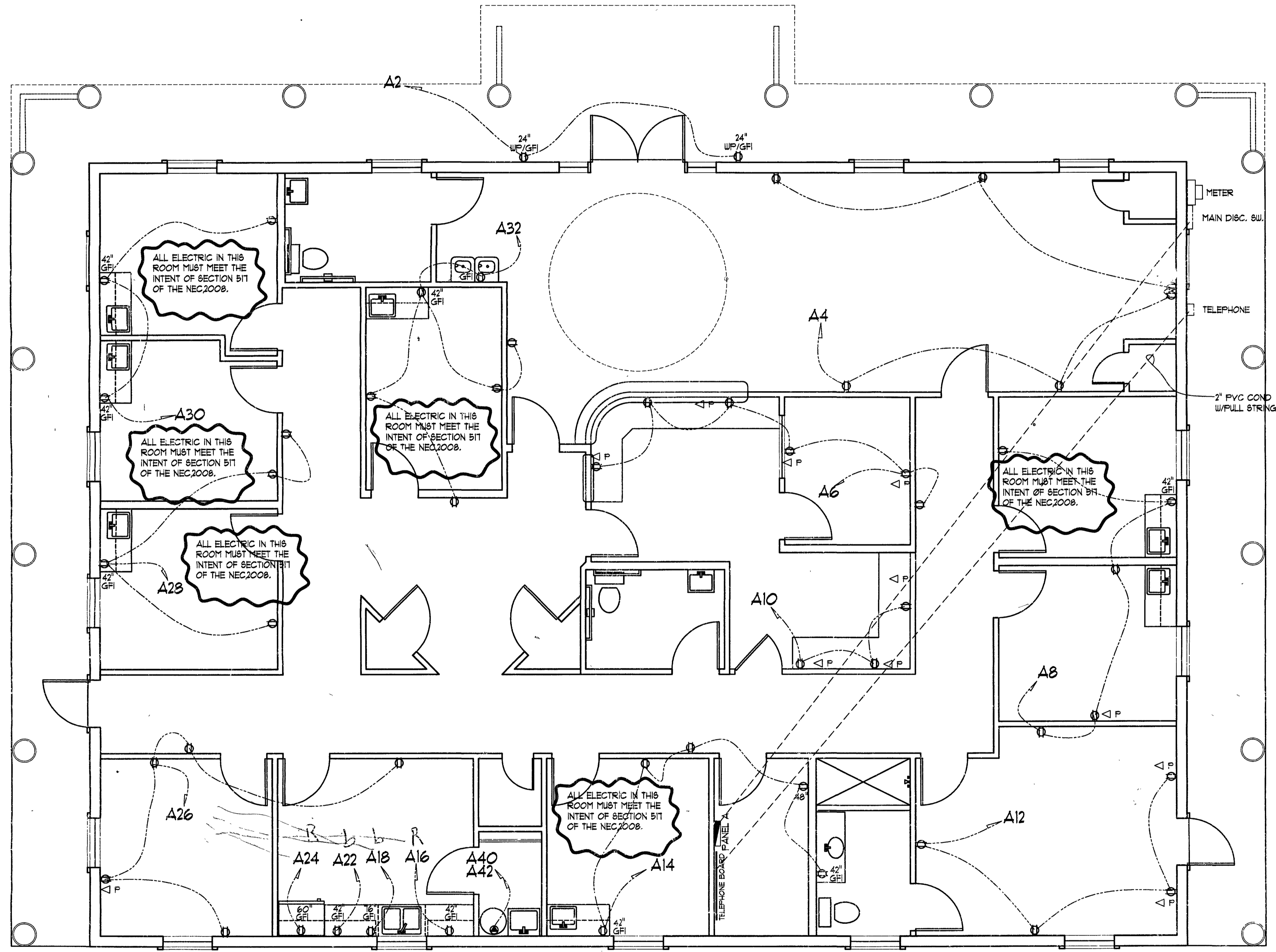
DRAWINGS DESIGNED TO MEET WHERE APPLICABLE
DESIGN LOADS SECTION 1609, IBC 2007
FOR WIND LOADS OF 130 MPH EXPOSURE 'C' ENCLOSED STRUCTURE
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Missing
numbers
17
10
2 swapped 10



MAINTAIN MINIMUM 24" CLEAR SPACE OF BACK TO BACK ELECTRICAL BOXES WITH RATED WALL

Electrical Contractor shall FURNISH AND INSTALL a WARNING LABEL on the front of each piece of electrical equipment.

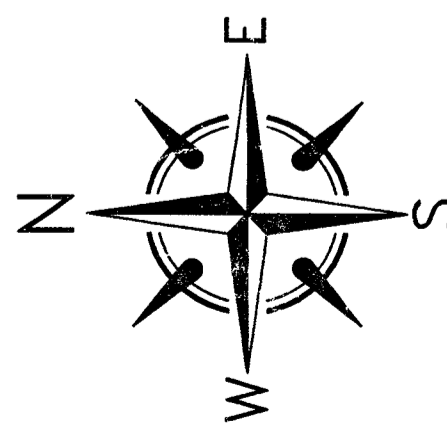
WARNING

ARC FLASH HAZARD

Appropriate Personal Protective Equipment Required (PPE)
Failure to Comply Can Result in Injury or Death.
Refer to NFPA 70 E, NEC 2008, Article 110.16

ELECTRIC FIXTURE LEGEND

- ⊕ DUPLEX RECEPTACLE
- 20V RECEPTACLE
- GFI GROUND FAULT INTERRUPTER
- WP/GFI WEATHER PROOF GFI
- ⊘ DISC. DISCONNECT
- PANEL
- ⊙ TV TELEVISION CABLE
- △ P TELEPHONE



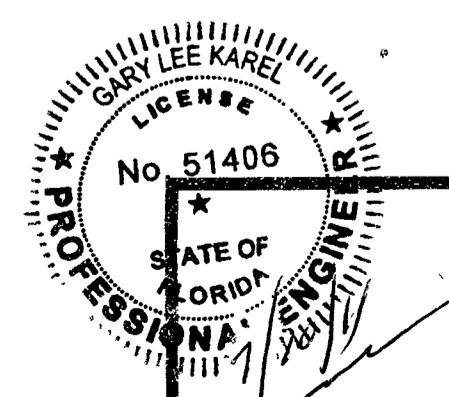
POWER PLAN SCALE: 1/4"=1'-0"

DATE: 6-14-2011
REVISIONS: 7-18-2011

DRAWINGS DESIGNED TO MEET WHERE APPLICABLE DESIGN LOADS SECTION 609, FECS 2009, TO ENCLOSED STRUCTURE FOR MEDICAL BUILDING CODE 2007, FECS 2007, WHERE APPLICABLE) 2009 SUPPLEMENT FLORIDA BUILDING CODE 2007, FECS 2007, FLORIDA FIRE PREVENTION CODE 2007, FLORIDA LIFE SAFETY CODE 2007, NATIONAL ELECTRIC CODE 2008

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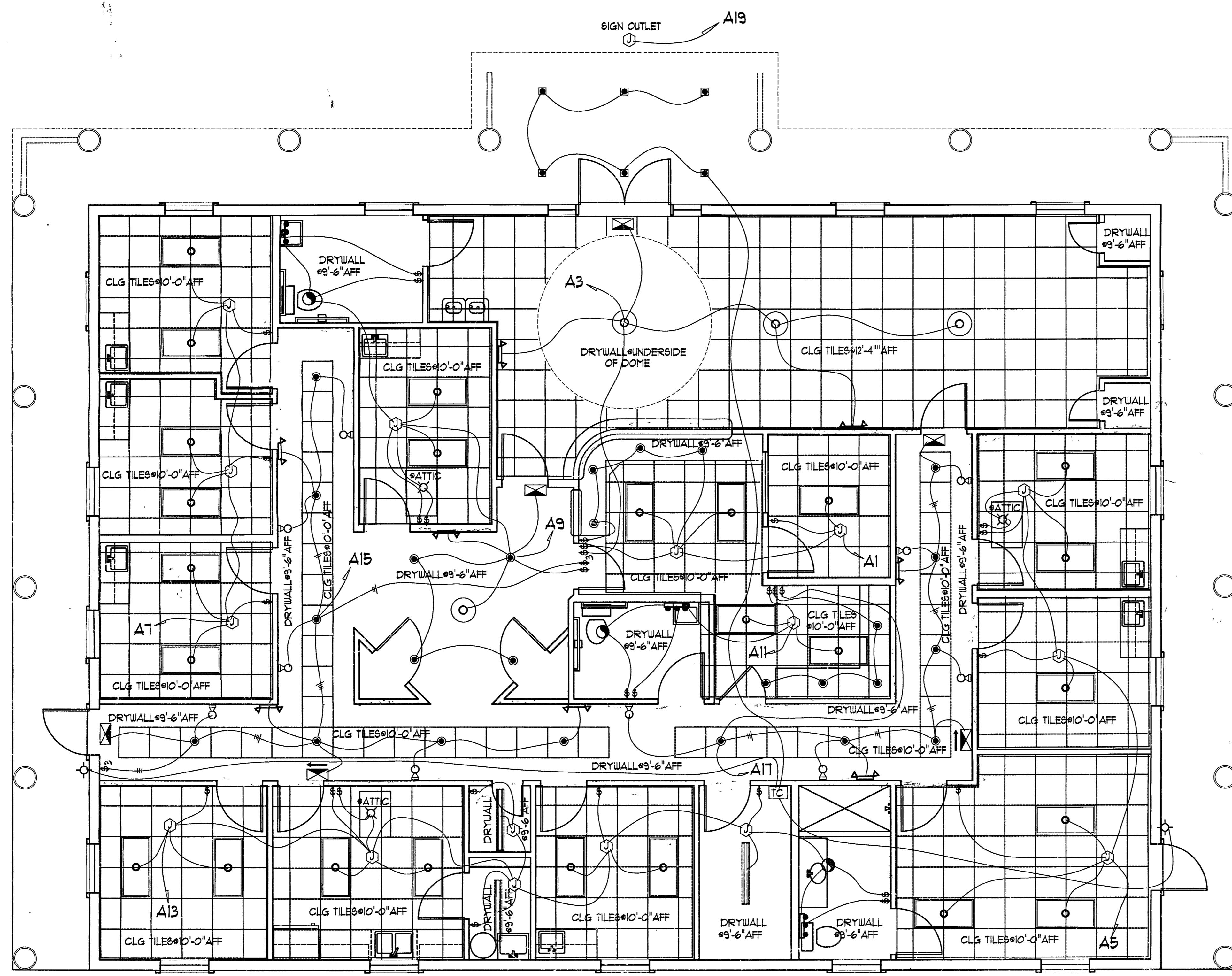
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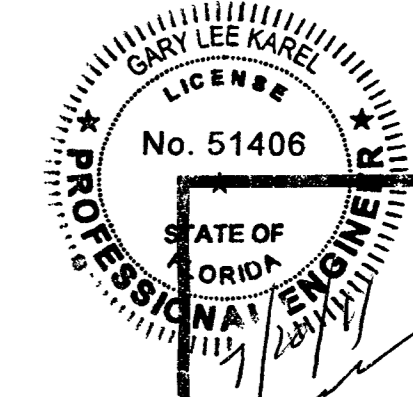
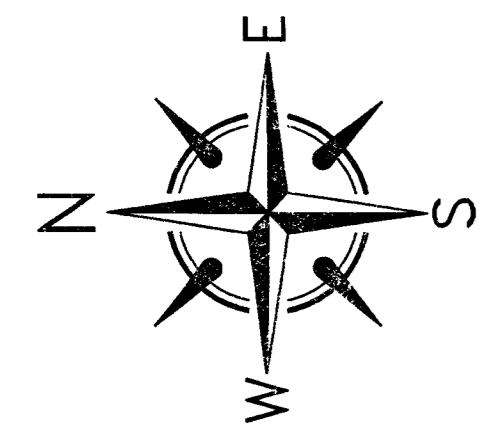
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- FIXTURE LEGEND:**
- 2'x4' RECESSED LAY-IN FLUORESCENT W/(3) 32 WATT T-8 LAMPS, ELECTRONIC BALLAST AND ACRYLIC PRISMATIC LENS
 - RECESSED CAN LIGHT W/(1) 1/8 WATT R-30 SELF BALLASTED COMPACT FLUORESCENT LAMP
 - EXTERIOR WEATHERPROOF WALL MTD LIGHT W/(1) 1/8 WATT R-30 SELF BALLASTED COMPACT FLUORESCENT LAMP
 - WALL MTD SCONCE W/(1) 1/8 WATT R-30 SELF BALLASTED COMPACT FLUORESCENT LAMP
 - WALL MTD EMERGENCY LIGHTS W/BATTERY BACKUP
 - EXIT SIGN W/BATTERY BACKUP
 - CEILING MTD. CHANDELIER PROVIDED BY OWNER, INSTALLED BY CONTRACTOR
 - EXTERIOR WEATHERPROOF RECESSED CAN W/1/8 WATT SELF BALLASTED R-30 COMPACT FLUORESCENT LIGHT. PROVIDE APPROVED LENS IN FIXTURE OPENING.
 - SWITCH
 - THREE-WAY SWITCH
 - CLG. MTD EXHAUST FAN
 - 1'x4' FLUORESCENT W/(2) 32 WATT T-8 LAMPS, ELECTRONIC BALLAST AND ACRYLIC PRISMATIC LENS
 - WALL MTD. VANITY LIGHT
 - LIGHT TIMER
 - CLG. MTD LIGHT W/(1) 1/8 WATT R-30 SELF BALLASTED COMPACT FLUORESCENT LAMP

NOTE: GENERAL CONTRACTOR TO COORDINATE EMERGENCY LIGHTING AND EXIT MARKINGS FINAL APPROVAL WITH FIELD INSPECTOR.

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



ELECTRICAL NOTES

1.0 PROVIDE ALL LABOR, MATERIALS EQUIPMENT AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS.

2.0 PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED BUT STILL REQUIRED TO INSURE PROPER AND COMPLETE OPERATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT IN THE WORK AND TO COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.

3.0 EXPERIENCED ELECTRICIANS SHALL PROVIDE ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE ELECTRICAL CONTRACTORS. SCOPE OF WORK ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS.

4.0 SUBMIT ALL DISCREPANCIES IN WRITING TO THE A/E PRIOR TO SUBMITTING BID. BID SUBMISSION CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.

5.0 ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING LATEST CODES AND STANDARDS: NFPA, NEC, NEMA, NETA, ANSI, UL, LOCAL CODES, ORDINANCES, REGULATIONS, FPL STANDARDS AND JURISDICTION HAVING AUTHORITY.

6.0 ALL CONTRACTOR PROVIDED MATERIALS SHALL BE NEW AND FREE OF DEFECTS AND UL LISTED FOR INTENDED APPLICATION.

7.0 DO NOT SCALE ELECTRICAL DRAWINGS. WHERE SPECIFIC DETAILS AND DIMENSIONS FOR ELECTRICAL WORK ARE NOT SHOWN ON DRAWINGS, CONTRACTOR SHALL TAKE MEASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR THE PROPER INSTALLATION AND COMPLETION OF WORK.

8.0 THE ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL REQUIRED INSURANCE COVERAGE, PERMITS, FEES INSPECTION AND TESTING.

9.0 ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH CONSTRUCTION PROGRESS.

10.0 CONTRACTOR SHALL FIELD SURVEY THE SITE FOR VERIFICATION FOR ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING.

11.0 FIELD VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION. CONTRACT DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS, OUTLETS, SWITCHES, PANEL BOARDS, CONDUITS AND OTHER WORK.

12.0 MOTOR STARTERS AND DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT SHALL BE SIZED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

13.0 LOAD DATA AND SYSTEM SIZING IS BASED ON INFORMATION PROVIDED AT THE TIME OF DESIGN. VERIFY EQUIPMENT LOCATIONS, SIZES AND REQUIREMENTS BEFORE ORDERING MATERIALS AND DEVICES. ROUTE CIRCUITS BY BEST METHOD TO SUIT JOB CONDITIONS AND INSTALL PULL BOXES AS MAY BE NECESSARY TO FACILITATE INSTALLATION.

14.0 ELECTRICAL CONNECTION LOCATIONS TO EQUIPMENT SHALL BE FIELD VERIFIED PRIOR TO ROUGH IN OR COMPONENTS.

15.0 PROVIDE SWITCHED LIGHTING AND 120V RECEPTACLE WITHIN 3 FT OF THE SERVICING SIDE OF ALL ELECTRICALLY OPERATED MECHANICAL EQUIPMENT INSTALLED IN ATTICS AND CRAWL SPACES.

16.0 COORDINATE MOUNTING LOCATIONS OF LIGHTING SWITCHES, F/A DEVICES, TV, DATA/TEL OUTLETS AND RECEPTACLES WITH MILLWORK PRIOR TO ROUGH-IN.

17.0 CONTRACTOR SHALL PROVIDE ALL MATERIAL TO SUPPORT AND SECURE ALL ELECTRICAL COMPONENTS PER NEC FROM THE BUILDING STRUCTURE.

18.0 CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.

19.0 CONTRACTOR SHALL INSPECT ALL EXISTING EQUIPMENT TO REMAIN TO INCLUDE MAIN DISTRIBUTION PANELS AND BRANCH CIRCUIT PANELS. PROVIDE UPDATED PANEL DIRECTORIES THAT REFLECT NEW WORK.

ELECTRICAL MATERIAL NOTES

1.0 WIRE SIZES SHOWN ARE FOR COPPER CONDUCTORS. ALUMINUM CONDUCTORS #2 AND LARGER MAY BE USED IF CONDUCTOR AND CONDUIT SIZES ARE ADJUSTED ACCORDINGLY AND WRITTEN APPROVAL BY THE A/E IS OBTAINED PRIOR TO INSTALLATION.

2.0 UNLESS OTHERWISE STATED, UNDERGROUND CONDUITS SHALL BE EITHER GRC, GROC, OR SCHEDULE 40 PVC AS INDICATED ON THE DRAWINGS AND SHALL BE INSTALLED IN COMPLIANCE WITH LOCAL CODE.

3.0 ALL CONDUIT OTHER THAN SPECIFIED IN NOTE 2 ABOVE SHALL BE ELECTRICAL METALLIC TUBING (EMT) OR RIGID STEEL (3/4" MIN.)

4.0 ALL EXTERIOR EQUIPMENT CONNECTION CONDUCTORS SHALL BE PROTECTED WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT WITH WEATHERPROOF FITTINGS.

5.0 OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN DAMP OR WET LOCATIONS.

6.0 ALL BOXES SHALL BE RECESSED FLUSH IN WALLS AND/OR CONCEALED ABOVE CEILING.

7.0 THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NEC AND AS DETAILED ON THE PLANS.

8.0 ALL CIRCUITS SHALL BE GROUND FAULT PROTECTED OUTLETS AND CIRCUITS SHALL BE INSTALLED AS REQUIRED BY NEC ALL CIRCUITS TO HAVE SEPARATE GROUND CONDUCTOR.

9.0 ALL MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR NOT LESS THAN ONE YEAR FROM THE DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE MADE WITHOUT ADDITIONAL CHARGE.

10.0 CONCEAL CONDUIT WHERE POSSIBLE.

11.0 USE MC CABLE WHERE CONCEALED INSIDE WALLS BETWEEN RECEPTACLES AND ABOVE CEILING FOR FIXTURES. DO NOT USE MC CABLE FOR HVAC EQUIPMENT.

12.0 HOMERUNS IN CONDUIT SHALL HAVE MAXIMUM SIX (6) CURRENT CARRIERS PER RACEWAY.

13.0 MAINTAIN WORKING CLEARANCES AROUND EQUIPMENT AS REQUIRED BY NEC.

14.0 ALL DISCONNECT SWITCHES, PANELBOARDS AND SYSTEM PANELS SHALL HAVE PLASTIC LAMINATE NAMEPLATES FOR IDENTIFYING SYSTEM FUNCTION AND CHARACTERISTICS.

DATE 04/20/11
PROJECT MEDICAL OFFICE BUILDING
OWNER DR. KUMAR
CONTRACTOR BROTHERS

SINGLE PHASE VOLTAGE 120 =V
AMPS SYMMETRICAL AVAILABLE 22,870=A (AT F.P.L. TRANSFORMER)
SOURCE IMPEDANCE 0.00525 =OHMS

$\frac{V}{A} = \text{OHMS}$ $\frac{120 \text{ V}}{22,870 \text{ A}} = 0.00525 \text{ OHMS}$

SIZE OF CONDUCTOR 500 MCM (75 FEET)
COPPER X
ALUMINUM _____
CONDUCTORS PER PHASE _____
MAGNETIC CONDUIT _____
NON-MAGNETIC CONDUIT PVC
CONDUCTOR OHMS 0.00593/100 FEET (75 FEET FROM TABLE 3.18 PER 100 FEET =0.00444)

CONDUCTORS / PHASE 1

CONDUCTOR OHMS 0.00444 =0.00444 CONDUCTOR OHMS

NO. PER PHASE 1

SOURCE OHMS 0.00525
CONDUCTOR OHMS 0.00444

TOTAL OHMS 0.00969

$\frac{V}{A} = \text{OHMS}$ $\frac{120 \text{ V}}{12,384 \text{ A}} = 0.00969 \text{ OHMS}$

SINGLE PHASE VOLTAGE 120 = 12,384 AMPS RMS
TOTAL OHMS 0.00969 AT SERVICE DISCONNECT.

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PROJECT MEDICAL OFFICE BUILDING
OWNER DR. KUMAR
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SINGLE PHASE VOLTAGE 120 =V
AMPS SYMMETRICAL AVAILABLE 22,870=A (AT MAIN DISCONNECT)
SOURCE IMPEDANCE 0.00969 =OHMS

$\frac{V}{A} = \text{OHMS}$ $\frac{120 \text{ V}}{12,384 \text{ A}} = 0.00969 \text{ OHMS}$

SIZE OF CONDUCTOR 500 MCM (56 FEET)
COPPER X
ALUMINUM _____
CONDUCTORS PER PHASE _____
MAGNETIC CONDUIT _____
NON-MAGNETIC CONDUIT PVC
CONDUCTOR OHMS 0.00593/100 FEET (56 FEET FROM TABLE 3.18 PER 100 FEET =0.00332)

CONDUCTORS / PHASE 1

CONDUCTOR OHMS 0.00332 =0.00332 CONDUCTOR OHMS

NO. PER PHASE 1

SOURCE OHMS 0.00969
CONDUCTOR OHMS 0.00332

TOTAL OHMS 0.01301

$\frac{V}{A} = \text{OHMS}$ $\frac{120 \text{ V}}{9,224 \text{ A}} = 0.01301 \text{ OHMS}$

SINGLE PHASE VOLTAGE 120 = 9,224 AMPS RMS
TOTAL OHMS 0.01301 AT PANEL A
USE 10,000 AMP BRKRS.

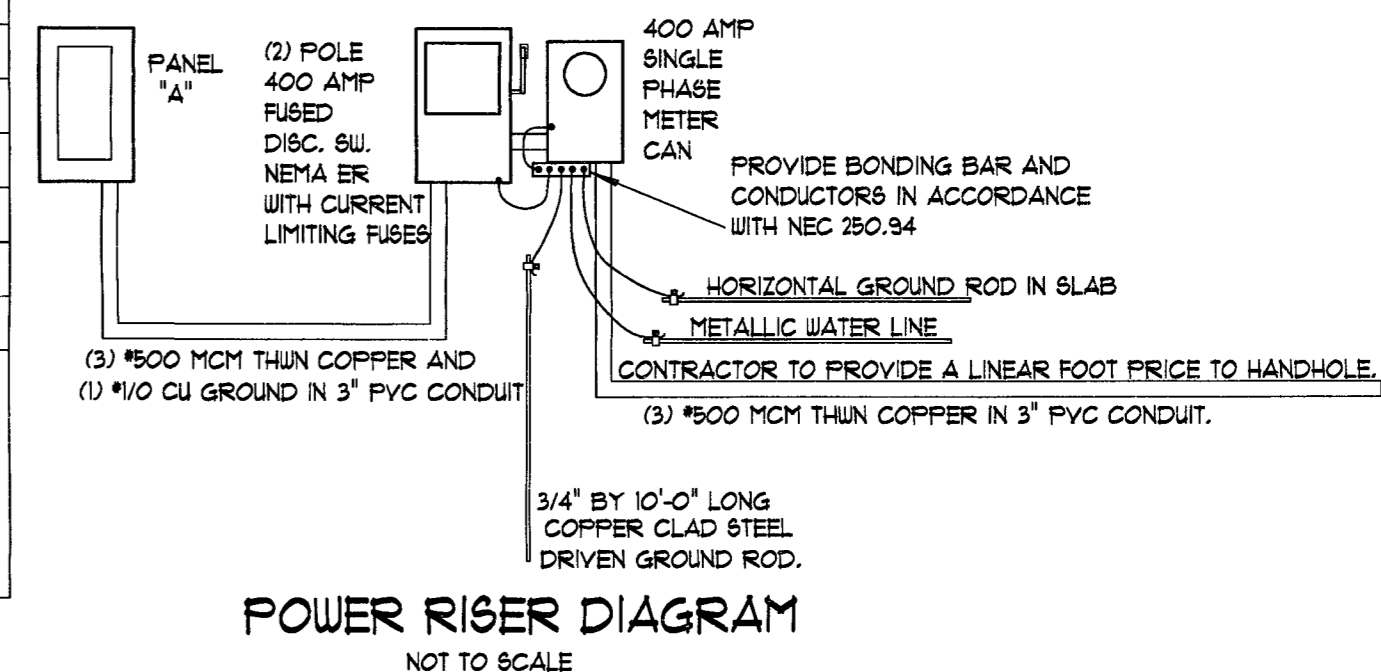
PANEL "A" 120/240 VOLTS, SINGLE PHASE, 3 WIRE, SN. 400 AMP M.L.O.													
CKT.	SERVING	BREAKER POLE	TRIP	WIRE NO.	WIRE SIZE	Ø A	Ø B	WIRE SIZE	BREAKER NO.	TRIP	POLE	SERVING	CKT.
1	LIGHTS	1	20	2	12	1080	600	12	2	20	1	RECEPTACLES	2
3	LIGHTS	1	20	2	12	900	720	12	2	20	1	RECEPTACLES	4
5	LIGHTS	1	20	2	12	900	900	12	2	20	1	RECEPTACLES	6
7	LIGHTS	1	20	2	12	900	1500	12	2	20	1	RECEPTACLES	8
9	LIGHTS	1	20	2	12	900	720	12	2	20	1	RECEPTACLES	10
11	LIGHTS	1	20	2	12	900	1100	12	2	20	1	RECEPTACLES	12
13	LIGHTS	1	20	2	12	1400	900	12	2	20	1	RECEPTACLES	14
15	LIGHTS	1	20	2	12	1100	900	12	2	20	1	RECEPTACLES	16
17	LIGHTS	1	20	2	12	1100	1200	12	2	20	1	MICROWAVE	18
19	SIGN OUTLET	1	20	2	12								20
21						900		12	2	20	1	RECEPTACLES	22
23							800	12	2	20	1	RECEPTACLES	24
25						900		12	2	20	1	RECEPTACLES	26
27							720	12	2	20	1	RECEPTACLES	28
29						720		12	2	20	1	RECEPTACLES	30
31	RTU-A	2	60	2	6	5000	900	12	2	20	1	RECEPTACLES	32
33						5000							34
35	RTU-B	2	60	2	6	5000							36
37						5000							38
39	RTU-C	2	60	2	6	5000	2250	10	2	30	2	WATER HEATER	40
41						2250							42

NEMA 1
10,000 A.I.C. BREAKERS

ELECTRICAL LOAD SUMMARY

LIGHTING	(3,500 SQ.FT. X 3.5 W./1.25)	= 15,313 W.
RECEPTACLES	(38 EA. X 180 V.A.)	= 6,840 W.
EQUIPMENT	(9 EA. X 1,200 W.)	= 10,800 W.
ELECTRIC HEAT	(3 EA. X 10,000 W.)	= 30,000 W.
WATER HEATER	(1 EA. X 4,500 W.)	= 4,500 W.
TOTAL		= 67,453 W.
	67,453 WATTS	= 281 AMPS
	240 VOLTS	

DIVIDE 281 AMPS BY 0.8 = 351 AMPS
USE 400 AMP SINGLE PHASE SERVICE.



Project Details
line 2
line 3
line 4

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Altamonte Springs, FL 32714
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Date: 4/13/2011

Page 2 of 2

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Symbol	Qty	Label	Description	Arrangement	Lumens	LLF
1	15	A	LF60FV32EB-6CF SINGLE		2400	0.880
2	3	B	CP4022-8QF28 PB SINGLE		1800	0.792
3	11	C	CB8220 1F27 PB SINGLE		1800	0.792
4	25	D	STE24-332G-MPO SINGLE		2750	0.880
5	3	F	AWN4-232-EUFO SINGLE		2900	0.880
6	3	G	CB5200 1F839 SINGLE		3500	0.880

DATE: 6-14-2011
REVISIONS: 7-18-2011

DRAWINGS DESIGNED TO MEET WHERE APPLICABLE
DESIGN LOADS SECTION 1609, FBC 2007
FOR WIND LOADS OF 130 MPH. EXPOSURE 'C' ENCLOSED STRUCTURE
FLORIDA BUILDING CODE 2007 Edition (FBCR 2007 WHERE APPLICABLE), 2009 SUPPLEMENT
FLORIDA FIRE PREVENTION CODE 2007
FLORIDA LIFE SAFETY CODE 2007
NATIONAL ELECTRIC CODE 2008

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SHEET 5 of 14

PLUMBING GENERAL NOTES

1.0 PROVIDE ALL LABOR AND MATERIALS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING AND COMPLETE DOMESTIC WATER DISTRIBUTION AND SANITARY DRAINAGE SYSTEM AS INDICATED ON DRAWINGS. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. FINAL LOCATIONS OF EQUIPMENT SHALL BE FIELD DETERMINED. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO SUBMISSION OF HIS SUBMISSION OF A BID. CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.

2.0 UNLESS OTHERWISE NOTED, PROVIDE NEW MATERIALS FREE OF DEFECTS WHERE NOT SPECIFIC WEIGHTS OR GRADES ARE SPECIFIED. PROVIDE MATERIALS OF AN ACCEPTED STANDARD WEIGHT AND GRADE ACCORDING TO CODES AND GOVERNING STANDARDS BY NFPA, ASTM, CIPET, FM, AND ILL. INSTALL ALL EQUIPMENT, PIPING, DUCTWORK, AND CONTROLS IN ACCORDANCE WITH CODES, GOVERNING STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.

3.0 ALL MATERIALS SHALL BE NEW AND APPROVED BY APPROPRIATE CODES.

4.0 PLUMBING CONTRACTOR TO PROVIDE ALL REQUIRED PLUMBING PERMITS.

5.0 FURNISH AND INSTALL WATER AND SANITARY TO THE BUILDING IN ACCORDANCE WITH ALL GOVERNING CODES. ALL DOMESTIC WATER PIPING (ABOVE GROUND) SHALL BE CPVC WATER TUBE, DRAWN TO SPEC WITH PLASTIC FITTINGS AND GLEED JOINTS. ALL SANITARY PIPING SHALL BE HUBLESS C-1 OR PVC AS CODE PERMITS. ALL CONNECTIONS SHALL BE WATER TIGHT.

6.0 THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR ONE (1) YEAR AFTER FINAL ACCEPTANCE.

7.0 EXTEND SERVICE TO WATER METERS AND PROVIDE SHUT OFF VALVE IN VALVE BOX OUTSIDE BUILDING. FIELD VERIFY.

8.0 PROVIDE AND INSTALL PLUMBING FIXTURES AS SCHEDULED ON DRAWINGS.

9.0 ALL EXCAVATION AND BACK FILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.

10.0 DO NOT SCALE FOR THE EXACT FIXTURES, PIPING, EQUIPMENT, ETC.

11.0 COORDINATE WORK WITH OTHER TRADES TO AVOID INTERFERENCE WITH CONSTRUCTION PROGRESS.

12.0 WATER PIPING TO BE CPVC.

13.0 FURNISH AND INSTALL APPROVED AIR CHAMBERS OR SHOCK ABSORBERS AT EACH PLUMBING FIXTURE GROUP.

14.0 USE APPROVED INSULATING UNION FOR JOINED DISSIMILAR METALS.

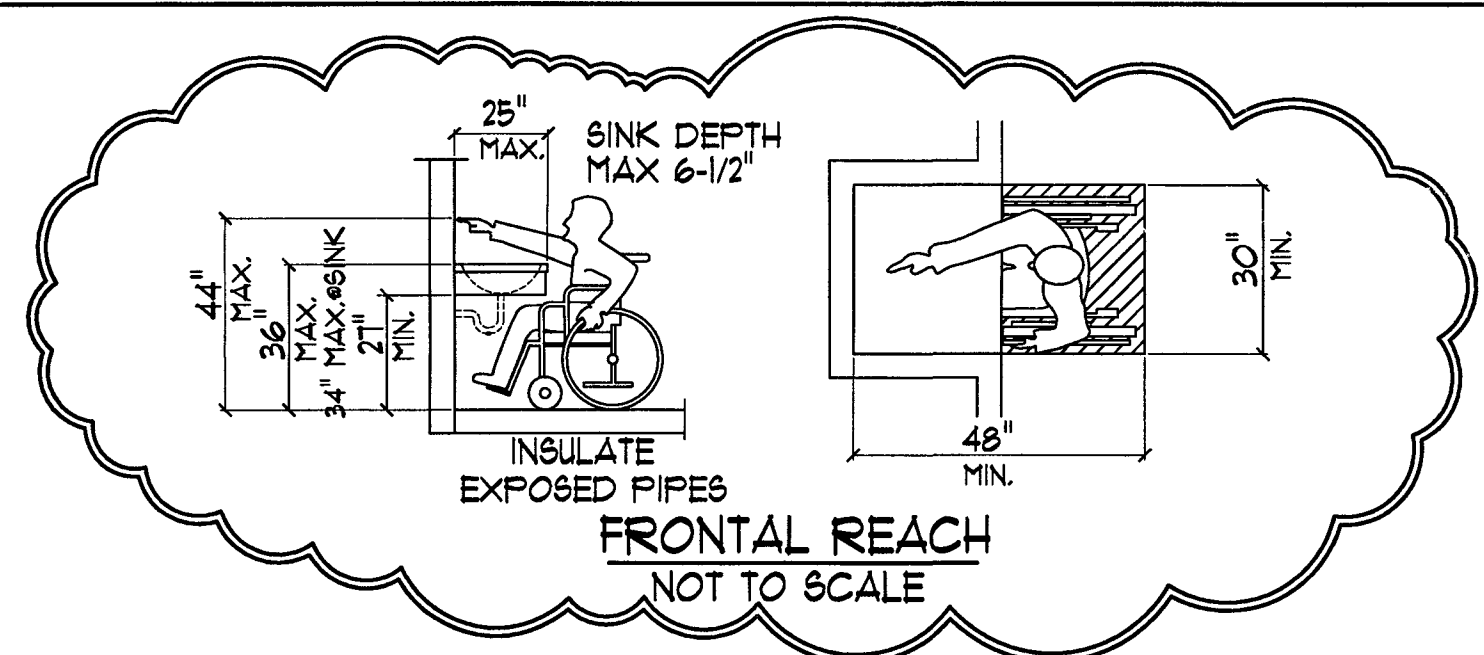
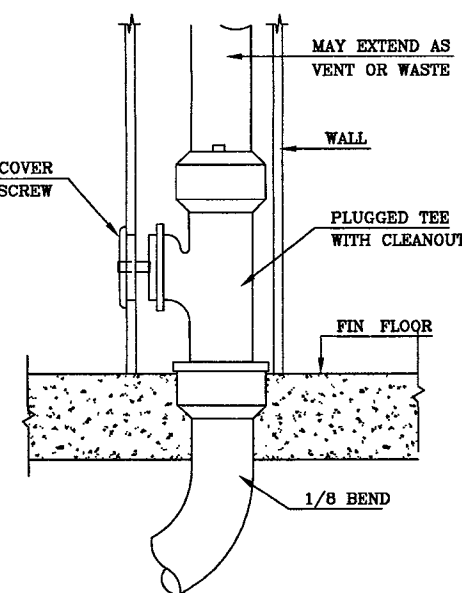
15.0 FURNISH AND INSTALL CONDENSATE DRAIN PIPING TO A POINT WITHIN 5 FT OF A/C UNIT AND ON TO AN APPROVED DISCHARGE POINT.

16.0 CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PARTS OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

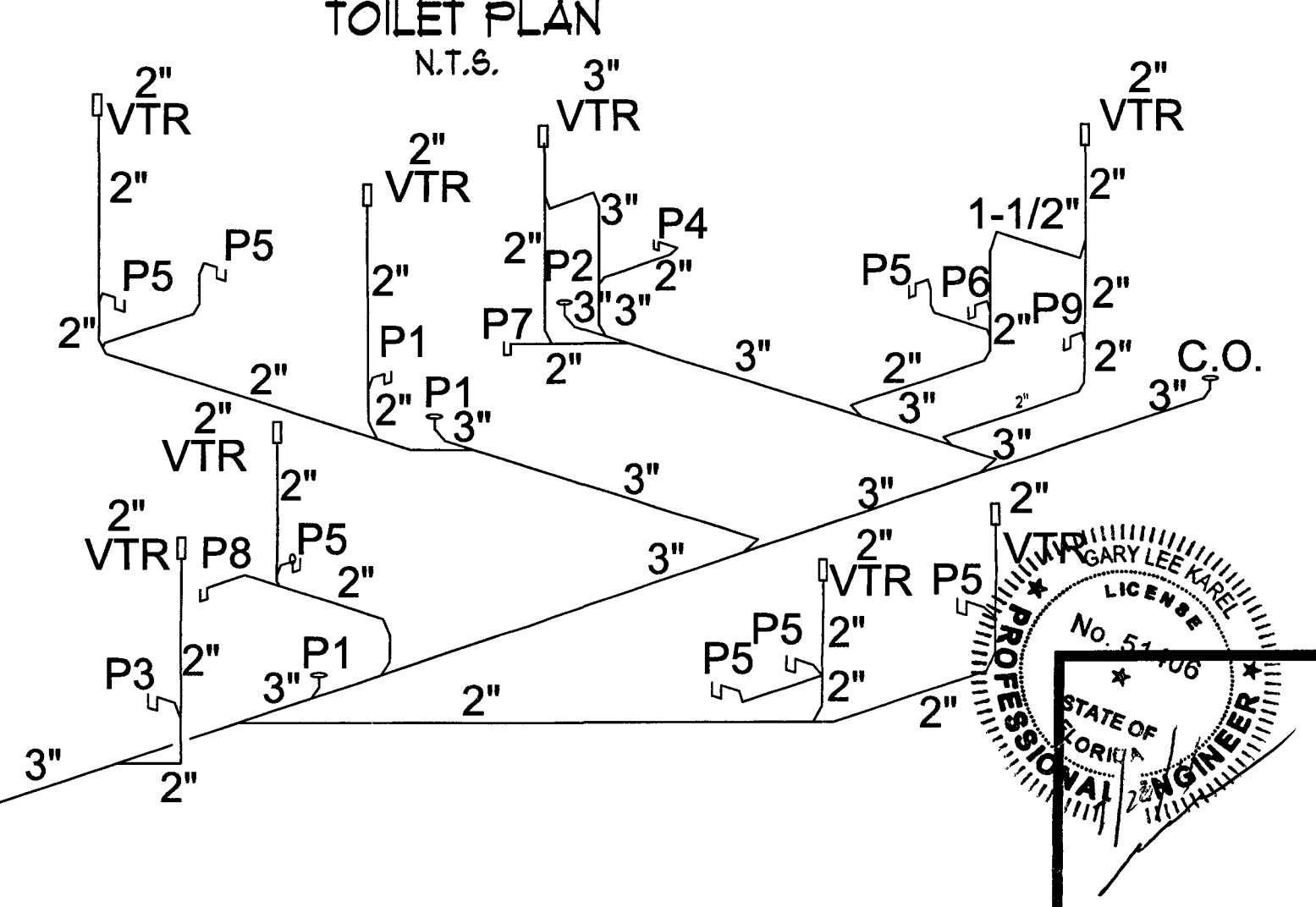
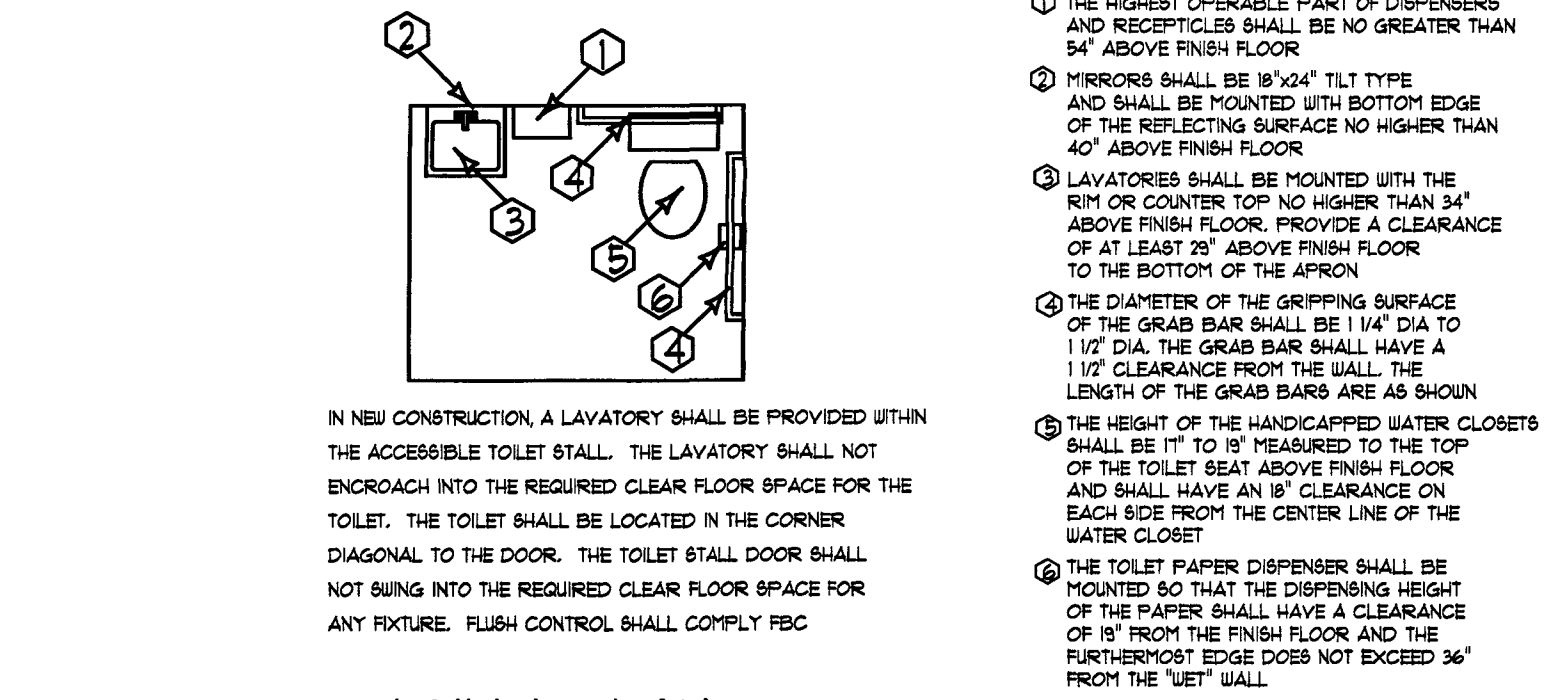
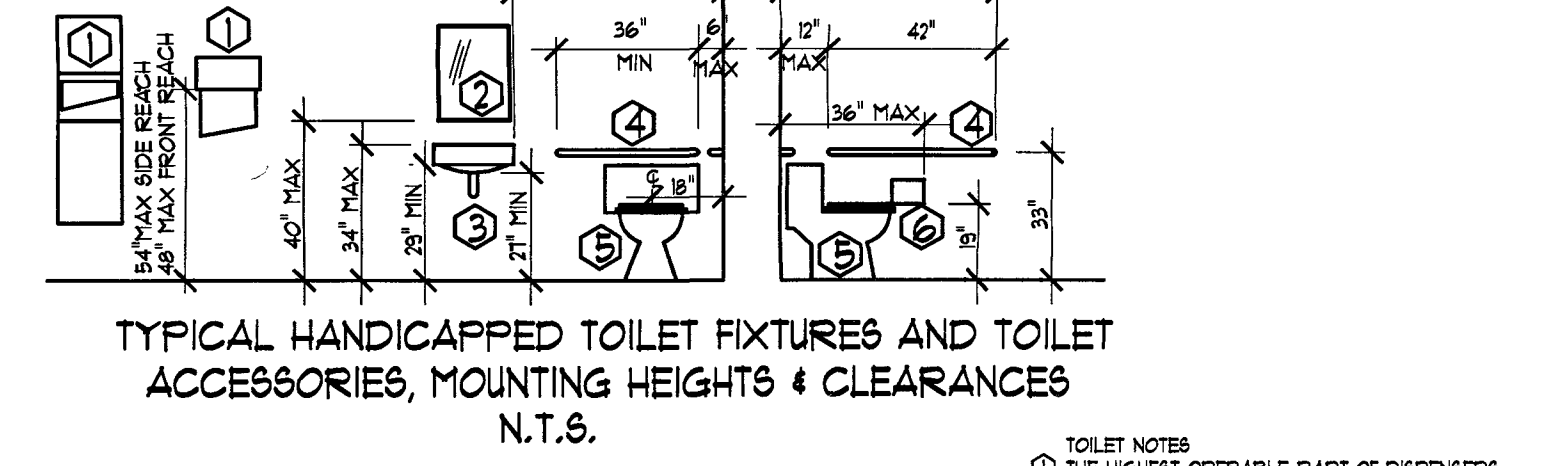
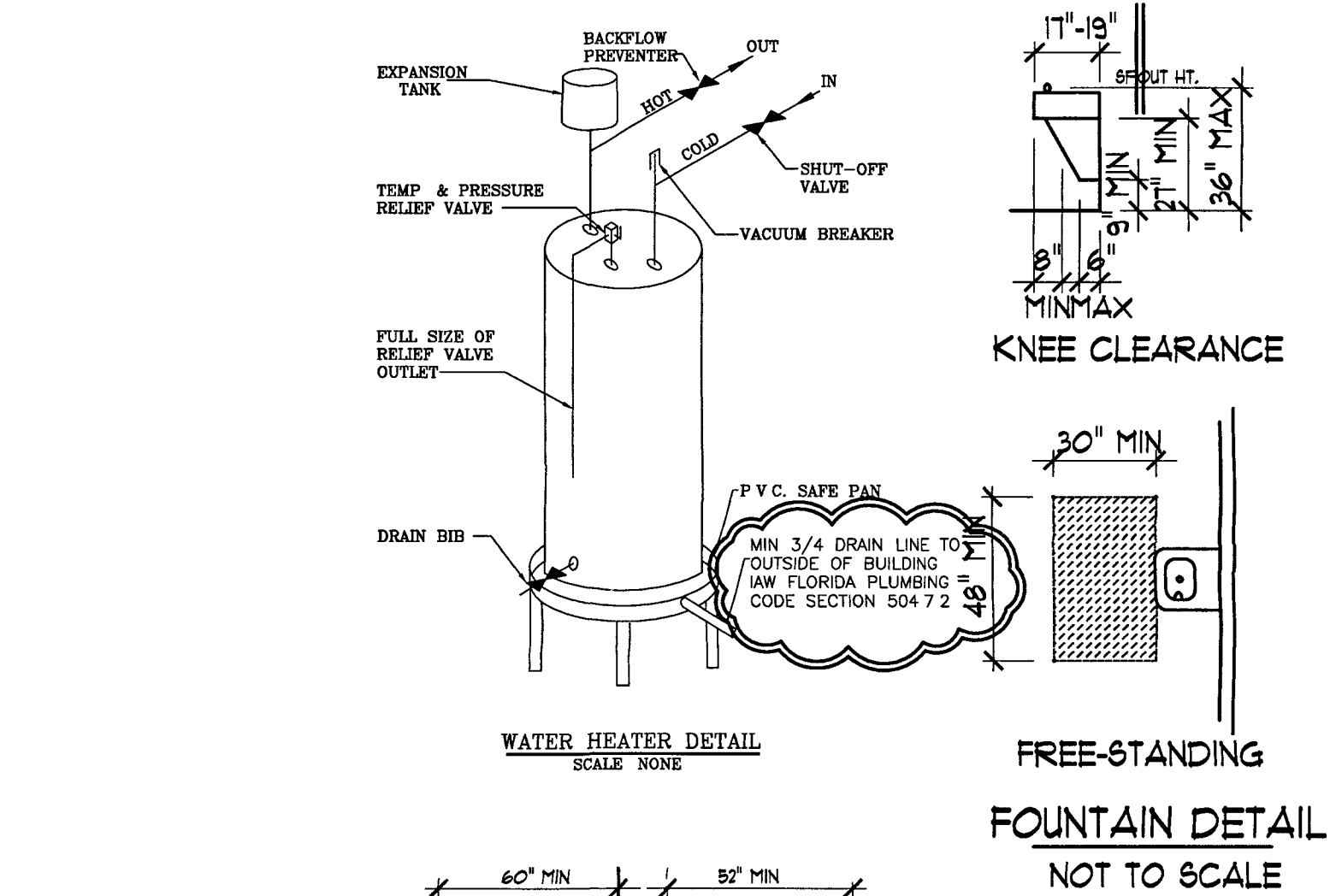
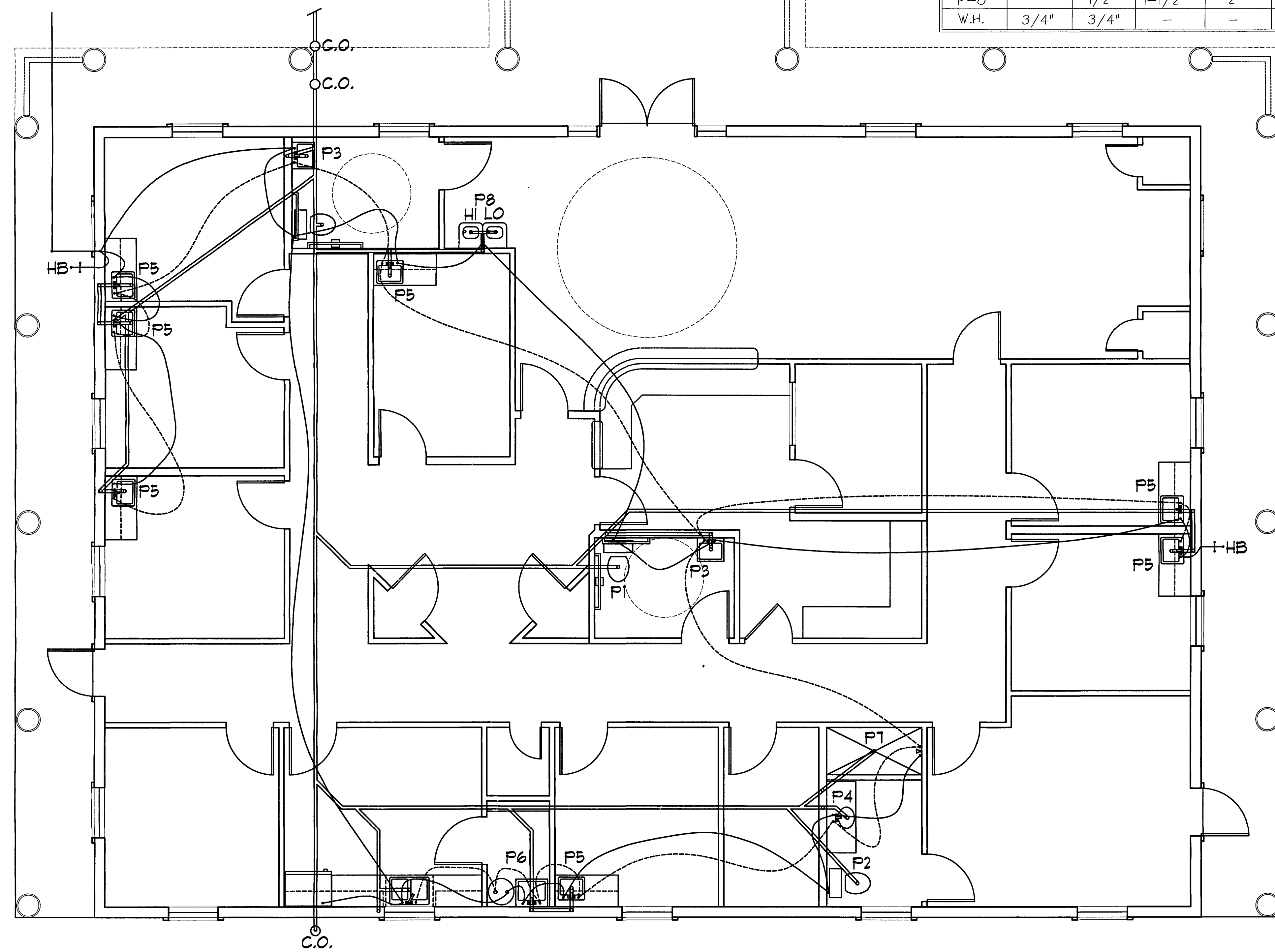
17.0 ALL PLUMBING SHALL BE INSTALLED SO AS NOT TO CONFLICT WITH EXISTING UNDER FLOOR ELECTRICAL DUCTS.

18.0 INSTALL SANITARY LINES WITH 1/8" PER FOOT SLOPE INSIDE THE BUILDING AND 1% OUTSIDE.

19.0 IT IS THE CONTRACTOR'S RESPONSIBILITY TO SURVEY EXISTING UNDERGROUND POWER, TELEPHONE, SANITARY, FRESH WATER OR ANY OTHER UTILITIES THAT MAY BE LOCATED IN THEIR IMMEDIATE WORK AREA. CONTRACTOR WILL ENSURE THAT THESE UTILITIES ARE NOT DAMAGED AND SHALL REPAIR OR REPLACE SUCH UTILITIES IF DAMAGED BY THE CONTRACTOR.



PLUMBING FIXTURE SCHEDULE							
MARK	HOT WATER	COLD WATER	VENT	WASTE	DESCRIPTION	REMARKS	
P-1	-	1/2"	2"	3"	WATER CLOSET	HANDICAPPED	
P-2	-	1/2"	2"	3"	WATER CLOSET		
P-3	1/2"	1/2"	1 1/2"	2"	LAVATORY	HANDICAPPED	
P-4	-	1/2"	1 1/2"	2"	LAVATORY		
P-5	1/2"	1/2"	1 1/2"	2"	EXAM SINK		
P-6	-	-	1 1/2"	3"	JANITORS SINK		
P-7	3/4"	3/4"	1-1/2"	2"	SHOWER STALL		
P-8	-	1/2"	1-1/2"	2"	ELECTRIC WATER COOLER	HI/LO(HANDICAPPED)	
W.H.	3/4"	3/4"	-	-	WATER HEATER		



DATE: 6-14-2011
REVISIONS: 7-18-2011

DRAWINGS DESIGNED TO MEET WHERE APPLICABLE DESIGN LOADS SECTION 1609, IBC 2007 FOR WIND LOADS OF 130 MPH, EXPOSURE 'C' ENCLOSED STRUCTURE FLORIDA BUILDING CODE 2007 EDITION (FBC 2007 WHERE APPLICABLE) 2009 SUPPLEMENT FLORIDA PLUMBING CODE 2007 FLORIDA LIFE SAFETY CODE 2007 NATIONAL ELECTRIC CODE 2008

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SHEET 7 of 14

DESIGN SPECIFICATIONS

These plans have been prepared to meet or exceed the requirements of Florida Building Code 2007 Edition, and Section 1609 for Wind Loads.

All Exterior walls are shear walls.

Floor Live Load 40 P&F

Roof Live Load 20 P&F

Garage Live Load 50 P&F

Slab or Other on Grade 3000 psi

Tie-Beams/Other Above Grade 3000 psi

Masonry (Fm) 2000 psi

Soil Bearing Capacity 2000 P&F -Brevard County and North

1500 P&F-Indian River County and South

Type 'S' Mortar Above Grade Type 'M' Mortar Below Grade

Reinforcing Steel 40,000 psi Standard 60,000 psi Lintels

All exposed straps, bolts, connectors to be galvanized, minimum.

Insure metal finish is compatible with chemical in treated lumber.

Standard lap for steel rebars 24".

Compaction of soil for structures to meet 95% density, 95% Other, Modified Proctor Method.

Concrete cover for steel per below:

3" Concrete cast against earth (FOOTINGS)

2" Concrete exposed to weather #6 or larger

1-1/2" Concrete exposed to earth & weather #5 or smaller (SLABS)

1-1/2" Concrete not exposed to earth or weather but primary reinforcement (ties, stirrups, hoops, etc. beams and columns).

3/4" Concrete not exposed to earth or weather secondary reinforcement #11 or smaller.(Slabs, walls, joists, beams).

NOTE: CONTRACTOR AGREES TO COORDINATE FINAL TYPE, SIZE NUMBER AND LOCATIONS OF FIRE EXTINGUISHERS WITH FIELD INSPECTOR.

NOTE: ELEVATIONS OF FLOOR SURFACES ON BOTH SIDES OF DOORS WILL NOT VARY BY MORE THAN 1/2" NOR WILL THRESHOLDS BE GREATER THAN 1/2", FBC 2007.

BASIC DESIGN INFORMATION:

BASIC WIND SPEED: 125 MPH

WIND IMPORTANCE FACTOR: '1'

OCCUPANCY CATEGORY: 'I'

WIND EXPOSURE FACTOR: 'B'

INTERNAL PRESSURE COEFFICIENT: +/-0.18

BASIC DESIGN WIND PRESSURE: 24 P&F

BUILDING DESIGNED AS 'ENCLOSED'

PROTECTION OF OPENINGS: BY BUILDER OR USE 1/2" CDX W/1/2" SCREWS @ 12" O.C.

MAXIMUM DESIGN PRESSURES:

MUFRS HORIZONTAL/WALLS (#19-15), ROOFS (#10-30)

COMPONENTS AND CLADDING (ASSUMES WIND BORNE DEBRIS PROTECTION)

ZONE 1-ROOF (#12-28)

ZONE 2-ROOF (#12-41)

ZONE 3-ROOF (#12-71)

ZONE 2-ROOF OVERHANG (#24-40)

ZONE 3-ROOF OVERHANG (#24-66)

WINDLOADS BELOW TO BE USED FOR OPENINGS:

ZONE 4-WALL FIELD (#25-27)

ZONE 5-WALL CORNERS (#25-32) WITHIN 4 FEET OF CORNERS

OVERHEAD DOOR INTERIOR ZONE (#21-23), END ZONE (#21-25)

THE DESIGN INDICATED ON CONSTRUCTION DOCUMENTS DOES, TO THE BEST OF ENGINEER'S KNOWLEDGE, INFORMATION AND BELIEF, COMPLY WITH ALL THE APPLICABLE BUILDING CODES.

NOTES and FINISH SCHEDULE

Interior Finishes Minimum Class B Flame spread 26-75, Smoke developed 0-450.

Lavatory Finish Wall Surfaces shall be Non-absorbent per FBC I210.

Finish Flooring to be Sealed Existing Concrete, or Vinyl Floor Tiles, OR CARPET

Carpet IF USED to meet NFPA253 (Radiant Flux 0.22) Class II

Exterior Windows and Glass Doors will be tested in accordance with ANSI/AAMA/NWUDA 101/102 Standard.

Fire Extinguishers will be Provided by Local Fire Safety Equipment Company and meet requirements of NFPA 10

All interior walls bearing and non-bearing will be non-combustible, metal framing, FBC Table 601.

and bear AAMA or WDMA label Identifying Manufacturer, performance characteristics and approved product testing entity, per FBC 2007 (2009).

Elevations of floor surfaces on both sides of doors will not vary by more than 1/2" nor will thresholds be greater than 1/2".

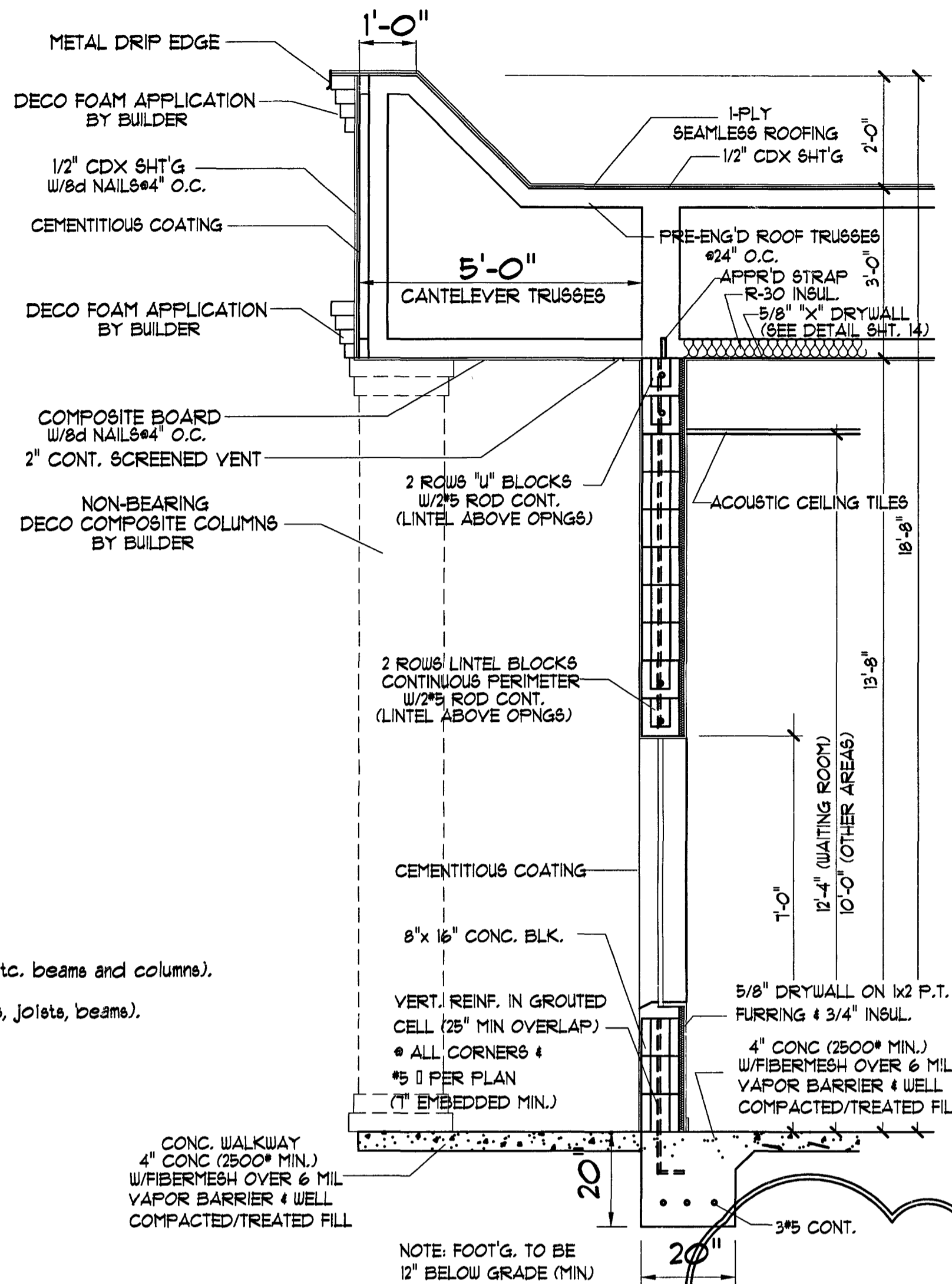
Ramps at exterior of all exit doors to be no greater than 1:12. Railings are not required, elevations differences are less than 6 inches.

ALL EXTERIOR DOORS TO HAVE LEVER TYPE HANDLES PER ADA AND TO REMAIN UNLOCKED DURING HOURS BUILDING IS OCCUPIED

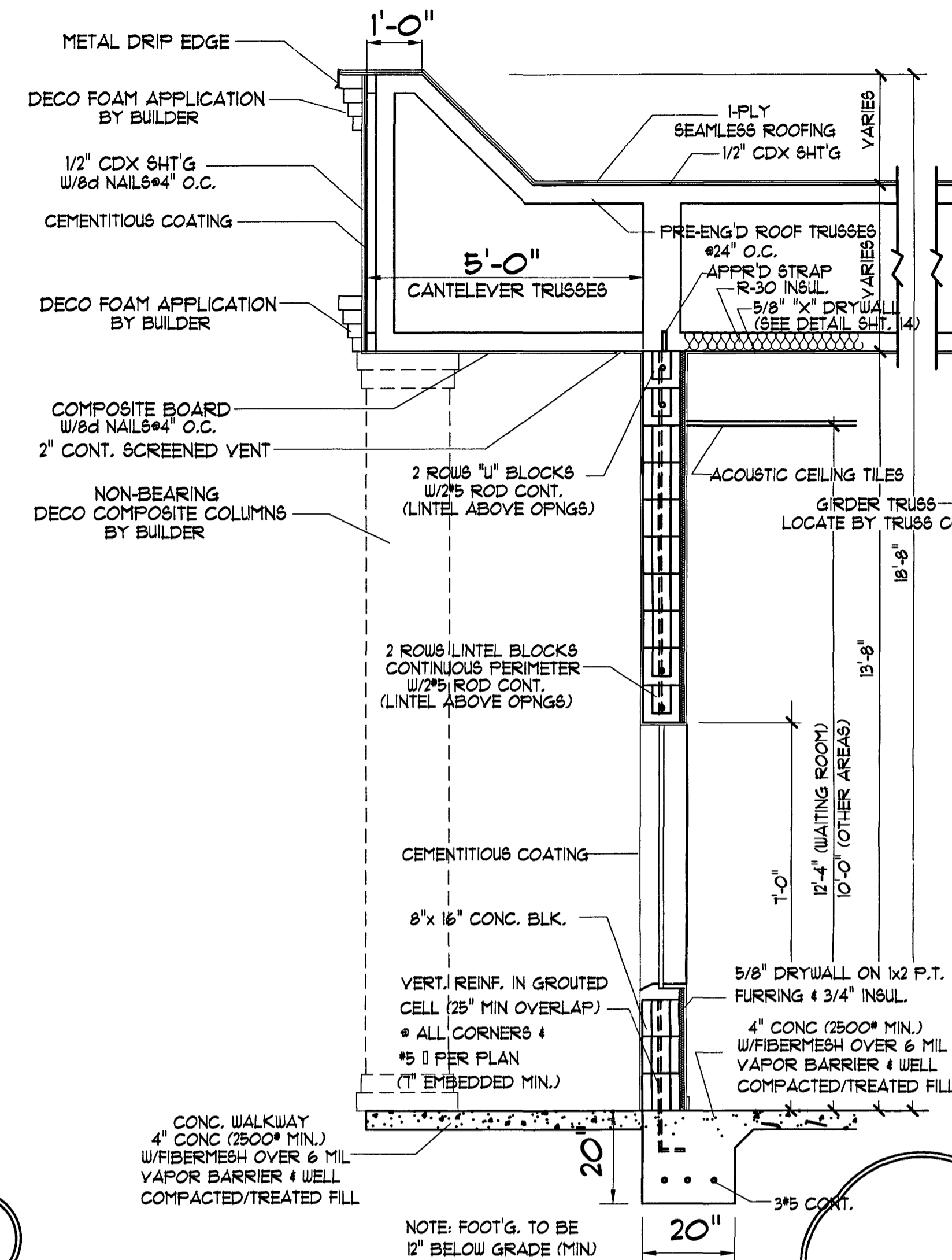
Provide sign on or adjacent to main exit doors stating "THIS EXIT TO REMAIN UNLOCKED WHEN THIS BUILDING IS OCCUPIED".

EXISTING Restrooms and Water Fountain meets FBC 2007 (2009). See Detail for Restroom. Fountain does not exceed 36" to Spout.

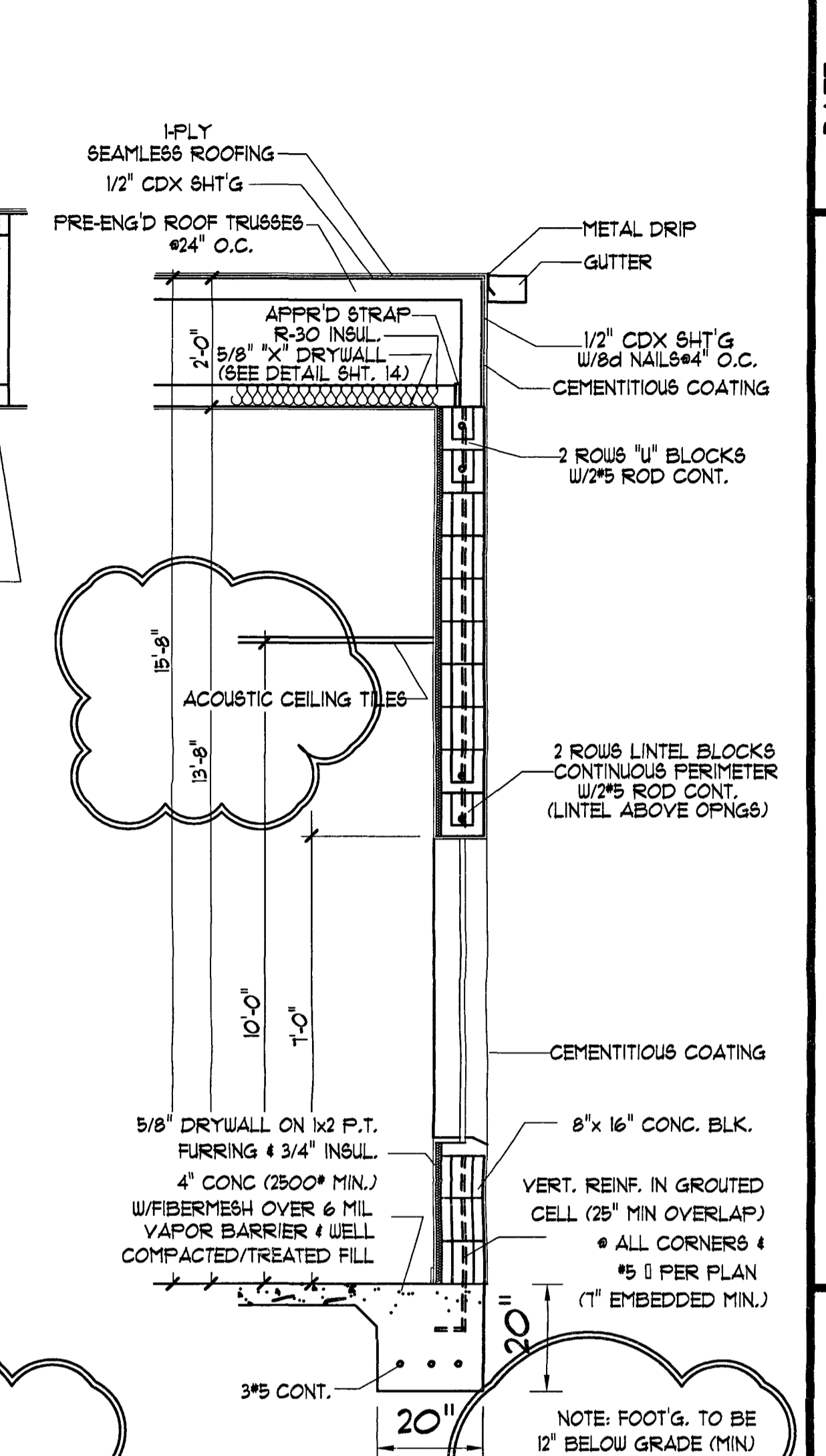
SHEARWALLS:
WITH 8" CONC. BLK. WALLS, USE #5 IN FILLED CELLS PER PLAN, EA. SIDE OF OPNGS & CORNERS ATTACHED TO THE TIE BM/LINTEL ABOVE & FNDN BELOW. ALL EXTERIOR BLOCK WALLS ARE SHEARWALLS.



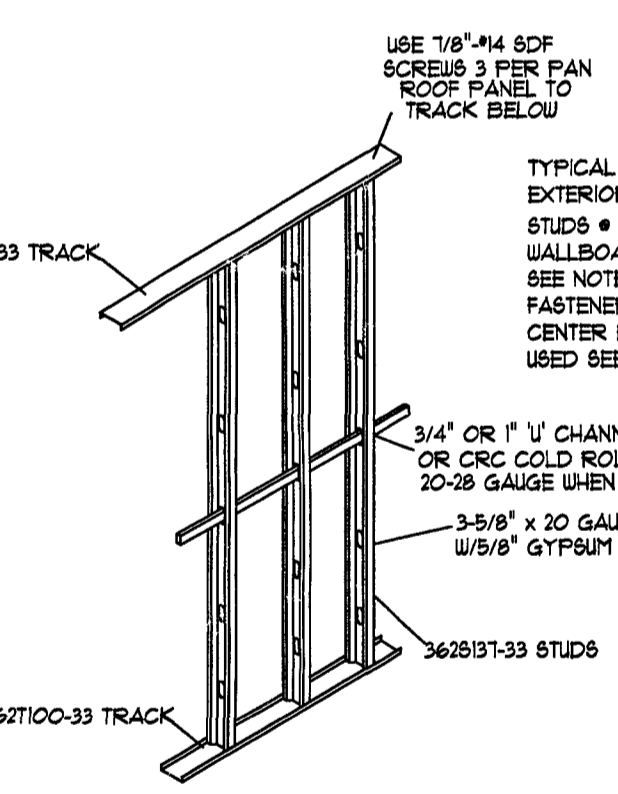
TYPICAL WALL SECTION A
FRONT WALL
1/2" x 12"



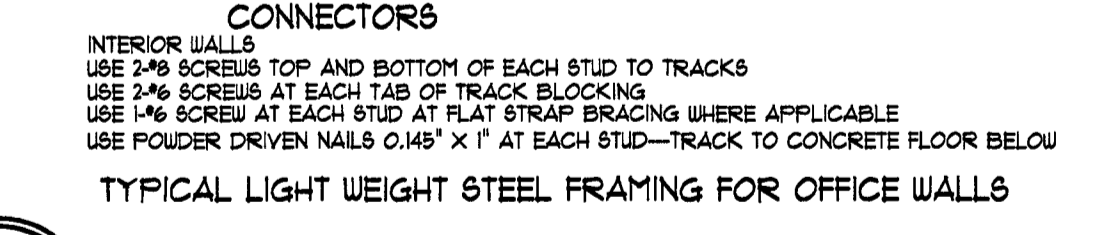
TYPICAL WALL SECTION B
SIDE WALL
1/2" x 12"



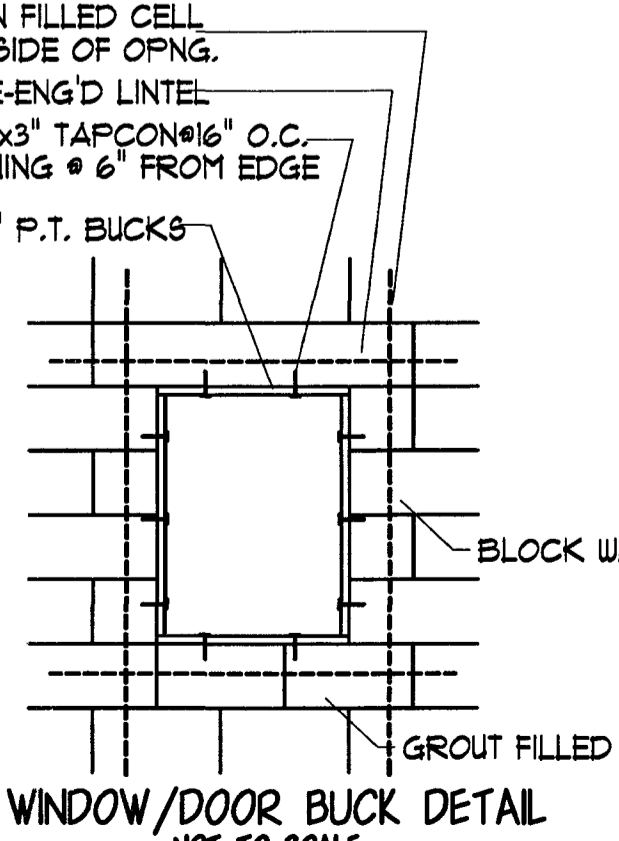
TYPICAL WALL SECTION C
REAR WALL
1/2" x 12"



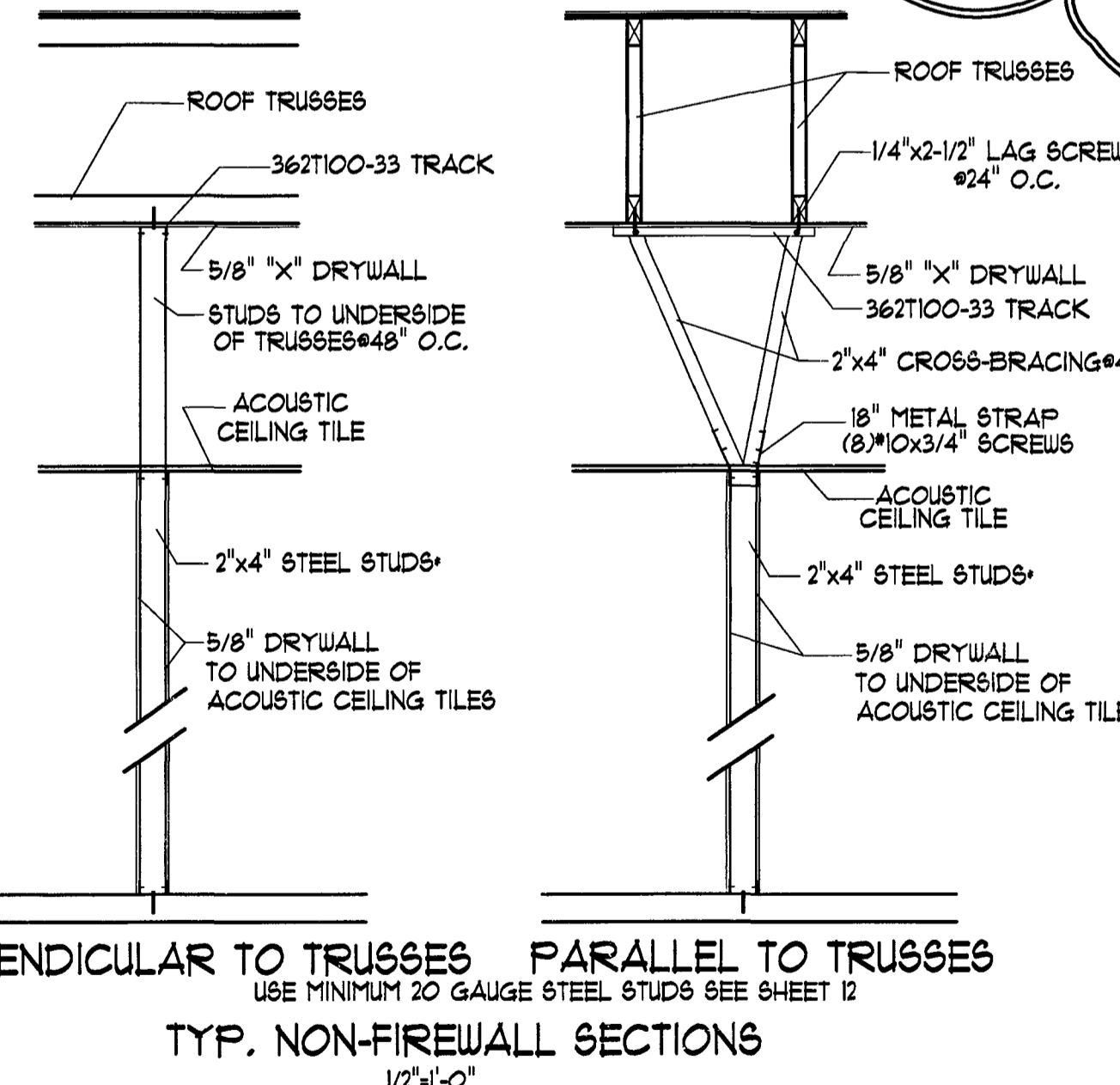
BLK WALL STEP-DOWN (TYP)
NOT TO SCALE



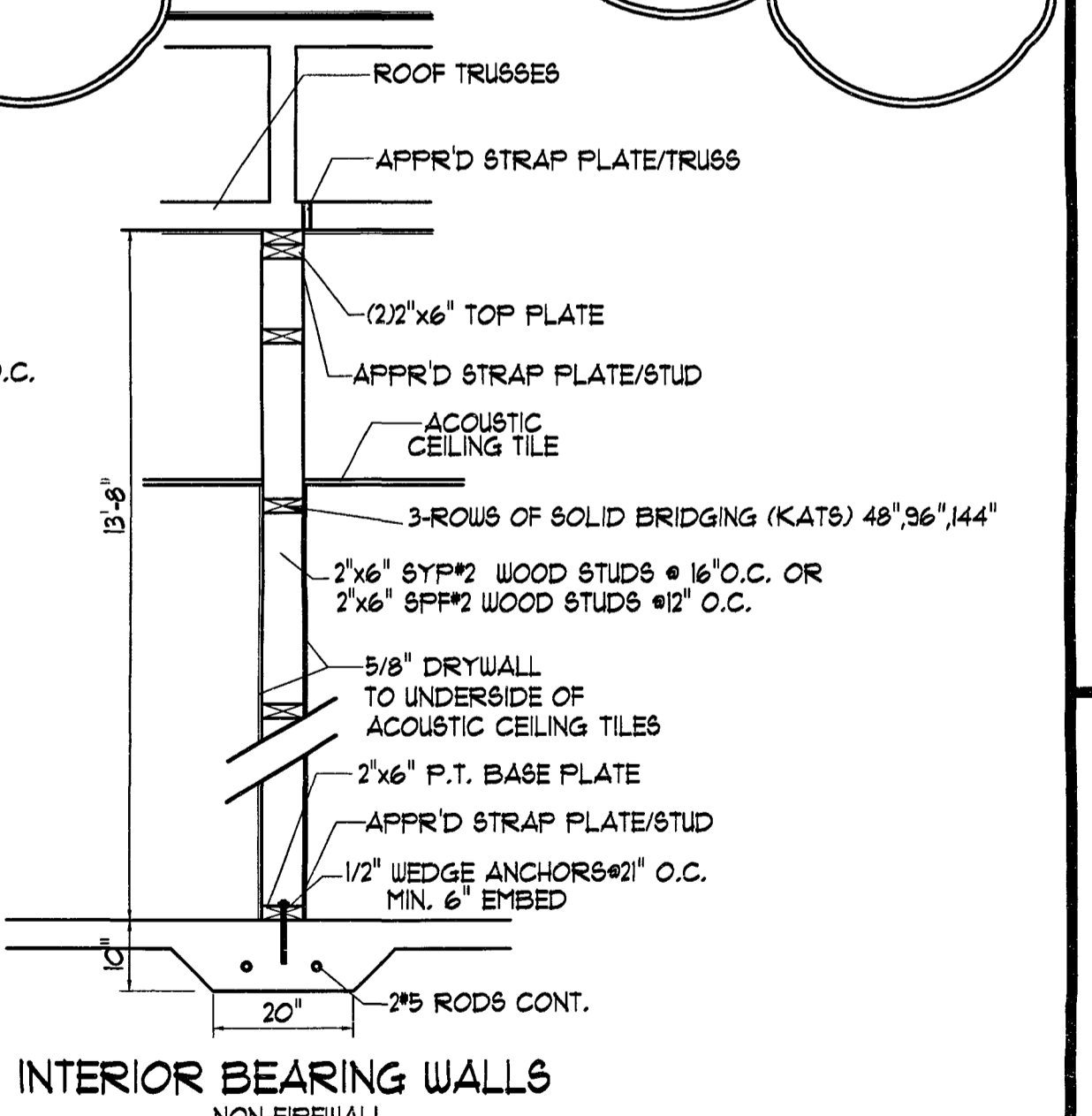
CONNECTORS
TYPICAL LIGHT WEIGHT STEEL FRAMING FOR OFFICE WALLS



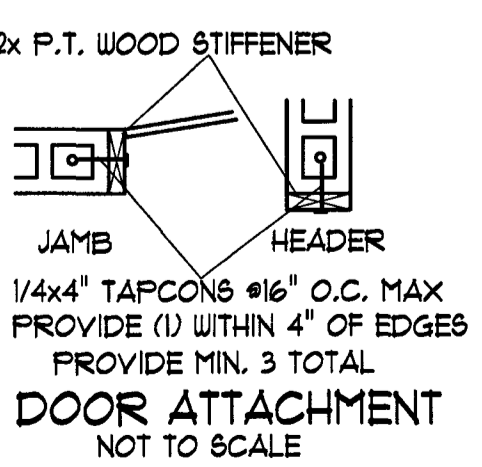
WINDOW/DOOR BUCK DETAIL
NOT TO SCALE



PERPENDICULAR TO TRUSSES PARALLEL TO TRUSSES
TYP. NON-FIREWALL SECTIONS
1/2" x 12"

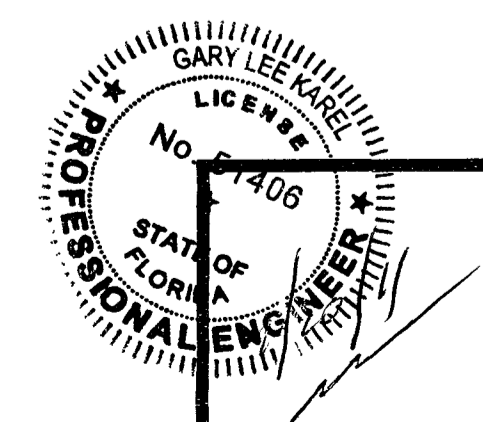


INTERIOR BEARING WALLS
NON-FIREWALL
1/2" x 12"



DOOR ATTACHMENT
NOT TO SCALE

* USE 3626200-33 (20 GAUGE) STUDS @ 24" O.C.
14 FOOT WALLS WITH 2-ROWS OF CHANNEL BRIDGING
USE 3626137-33 (20 GAUGE) STUDS @ 24" O.C. WITH
1-ROW BRIDGING AT 8 FOOT WALL SECTIONS



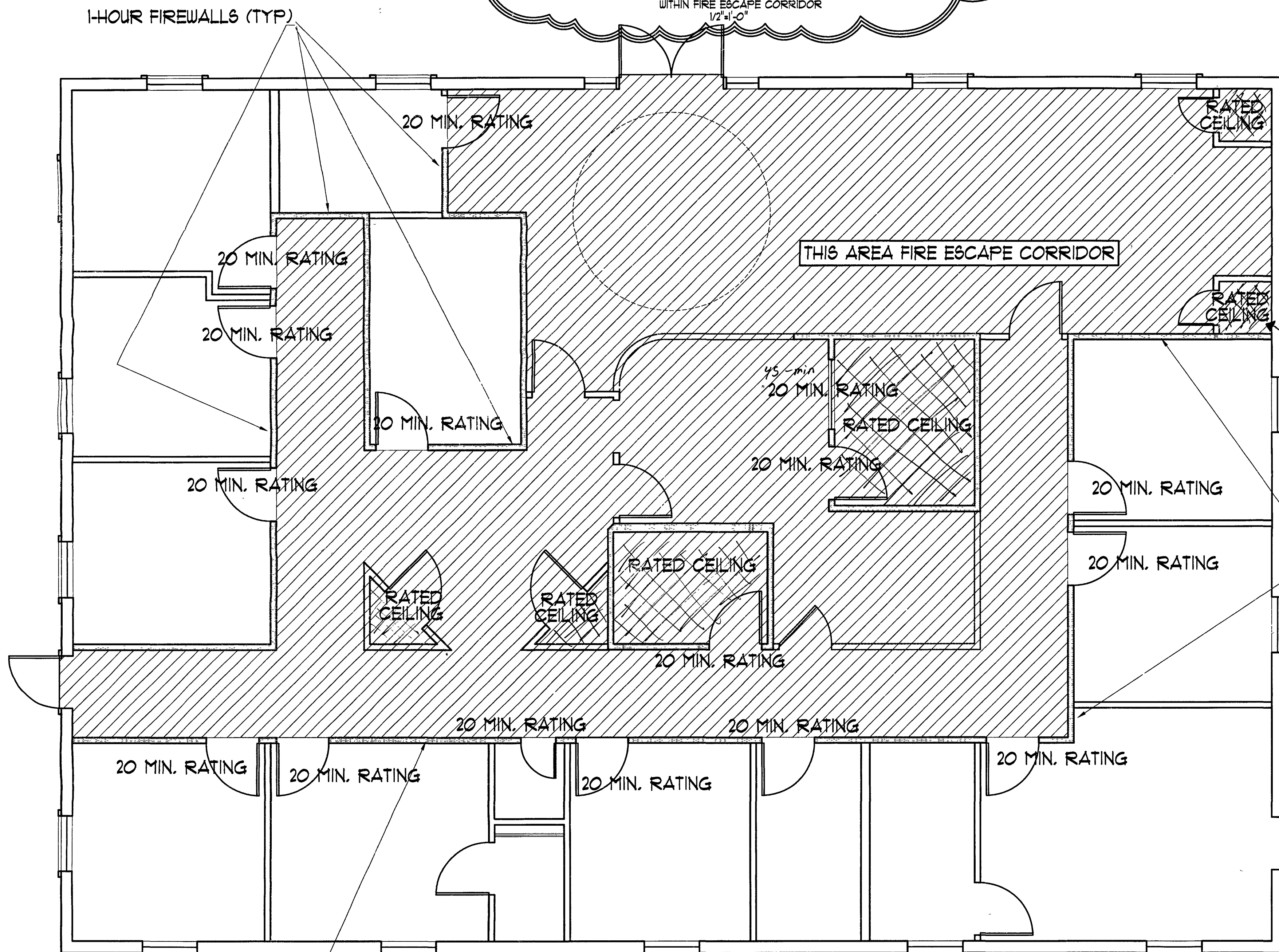
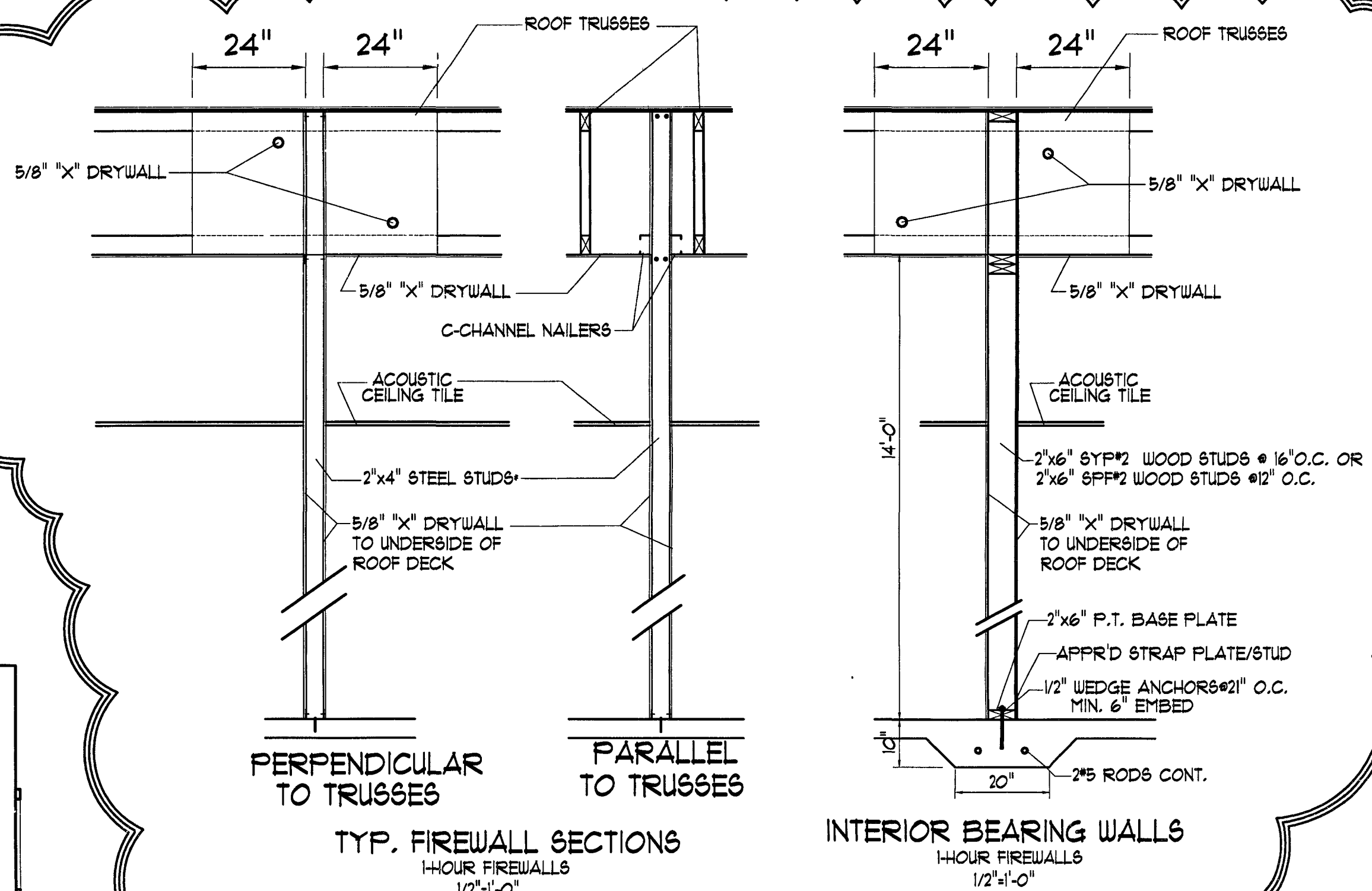
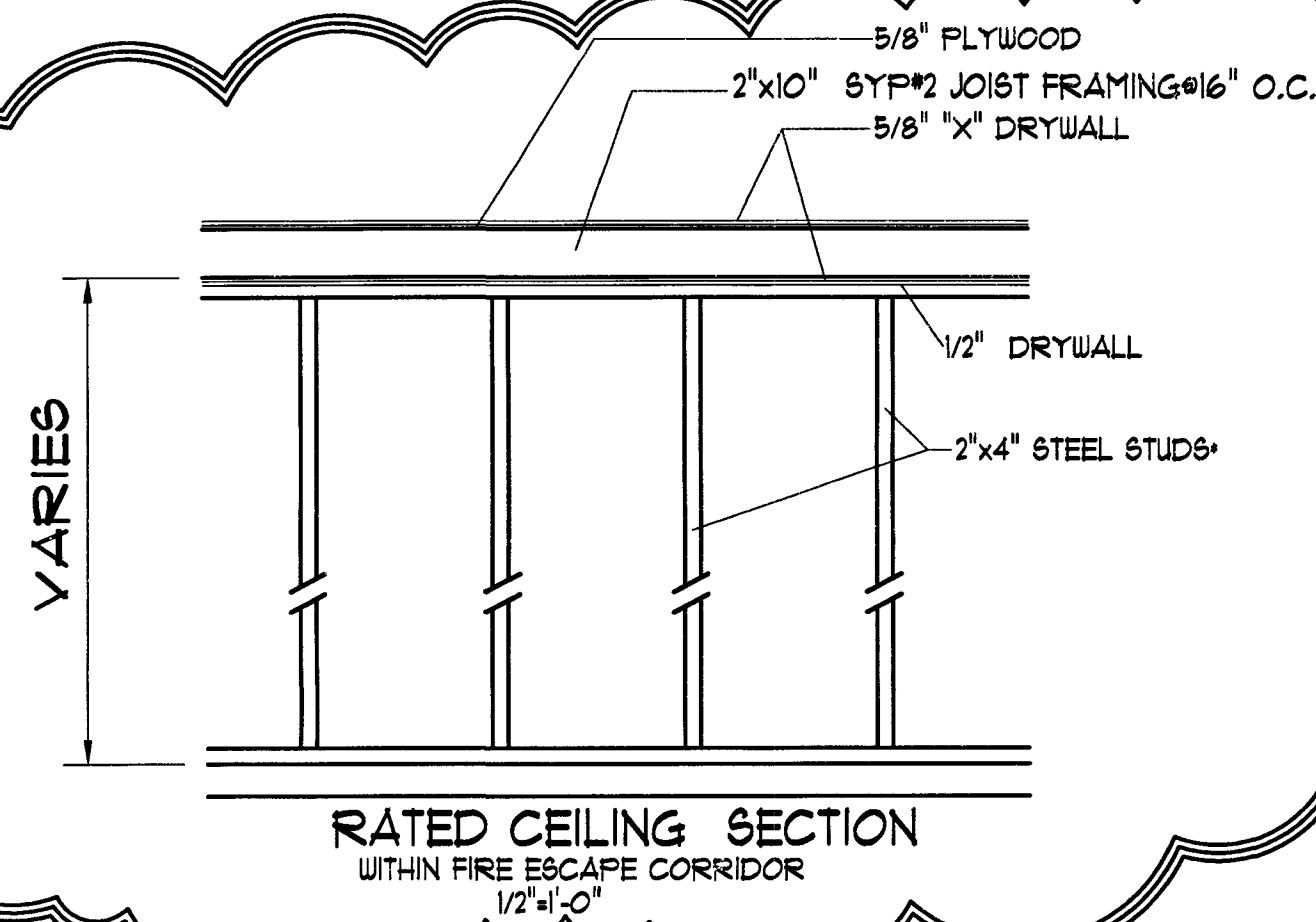
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DESIGNED TO MEET WHERE APPLICABLE
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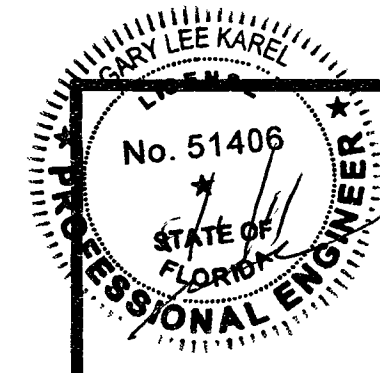
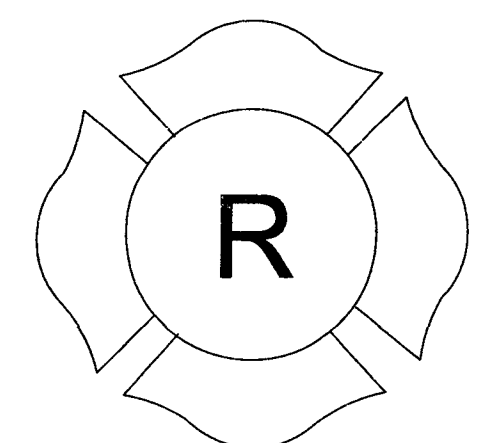
RATED ASSEMBLY PER FBC 121.6	
2x10 JOIST @ 16" O.C.	10 MIN.
15/32 SHEATHING	10 MIN.
5/8" X' GYPSUM BOARD	40 MIN.
1/2" REG. GYPSUM BOARD	15 MIN.



CORRIDOR LAYOUT 1/4"=1'-0"

* USE 3626200-33 (20 GAUGE) STUDS @ 24" O.C.
 14 FOOT WALLS WITH 2-ROWS OF CHANNEL BRIDGING
 USE 3626137-33 (20 GAUGE) STUDS @ 24" O.C. WITH
 1-ROW BRIDGING AT 8 FOOT WALL SECTIONS

- "LIGHT-FRAME TRUSS-TYPE CONSTRUCTION" MEANS A TYPE OF CONSTRUCTION WHOSE PRIMARY STRUCTURAL ELEMENTS ARE FORMED BY A SYSTEM OF REPETITIVE WOOD OR LIGHT GAUGE STEEL FRAMING MEMBERS.
- "APPROVED SYMBOL" MEANS A MALTESE CROSS MEASURING 6 INCHES HORIZONTALLY AND 6 INCHES VERTICALLY AND IS OF A BRIGHT RED REFLECTIVE COLOR AND IS DESIGNED IN ACCORDANCE WITH FIGURE 1.
- TOWNHOUSE MEANS A SINGLE-FAMILY DWELLING UNIT CONSTRUCTED IN A GROUP OF THREE OR MORE ATTACHED UNITS WITH PROPERTY LINES SEPARATING EACH UNIT IN WHICH EACH UNIT EXTENDS FROM FOUNDATION TO ROOF AND WITH OPEN SPACE ON AT LEAST TWO SIDES.
- (B) ANY COMMERCIAL, INDUSTRIAL, OR MULTIFAMILY RESIDENTIAL STRUCTURE OF THREE UNITS OR MORE, (EXCLUDING TOWNHOUSES) THAT USES HORIZONTAL OR VERTICAL LIGHT-FRAME TRUSS-TYPE CONSTRUCTION IN ANY PORTION THEREOF, SHALL BE MARKED WITH A SIGN DISPLAYING AN APPROVED SYMBOL DESIGNED IN ACCORDANCE WITH FIGURE 1. EACH APPROVED SYMBOL SHALL INCLUDE WITHIN THE CENTER CIRCLE ONE OF THE FOLLOWING DESIGNATIONS:
 - STRUCTURES WITH LIGHT-WEIGHT TRUSS ROOFS SHALL BE MARKED WITH THE LETTER "R".
 - STRUCTURES WITH LIGHT-WEIGHT TRUSS FLOOR SYSTEMS SHALL BE MARKED WITH THE LETTER "F".
 - STRUCTURES WITH LIGHT-WEIGHT TRUSS FLOOR AND ROOF SYSTEMS SHALL BE MARKED WITH THE LETTERS "R/F".
- (C) THE APPROVED SYMBOL SHALL BE MARKED WITHIN 24 INCHES TO THE LEFT OF THE MAIN ENTRY DOOR AND:
 - MAY BE PERMANENTLY ATTACHED TO THE FACE OF THE BUILDING ON A CONTRASTING BACKGROUND, OR
 - MAY BE MOUNTED ON A CONTRASTING BASE MATERIAL WHICH IS THEN PERMANENTLY MOUNTED ON THE FACE OF THE BUILDING.
- (D) THE DISTANCE ABOVE THE GRADE, WALKING SURFACE OR THE FINISHED FLOOR, TO THE BOTTOM OF THE SYMBOL SHALL BE NOT LESS THAN 4 FEET (48 IN).
- (E) THE DISTANCE ABOVE THE GRADE, WALKING SURFACE OR THE FINISHED FLOOR, TO THE TOP OF THE SYMBOL SHALL BE NOT MORE THAN 6 FEET (72 IN).
- (F) IN SINGLE TENANT STRUCTURES WITH MULTIPLE MAIN ENTRY DOORS, SUCH AS BIG BOX RETAIL STORES, DEPARTMENT STORES AND GROCERY STORES, THE AUTHORITY HAVING JURISDICTION MAY REQUIRE THAT OTHER MAIN ENTRY DOORS OF THE STRUCTURE BE MARKED WITH AN APPROVED SYMBOL.
- (G) IN MULTIPLE TENANT STRUCTURES AND COVERED MALL BUILDINGS WITH MULTIPLE MAIN ENTRY DOORS, THE AUTHORITY HAVING JURISDICTION MAY REQUIRE THAT OTHER MAIN ENTRY DOORS BE MARKED WITH AN APPROVED SYMBOL. IN SUCH STRUCTURES, APPROVED SYMBOLS SHALL BE MARKED ON ONE SIDE AND SPACED NOT CLOSER THAN 100 FEET OR AT EACH END OF THE STRUCTURE WHEN SUCH STRUCTURE IS LESS THAN 100 FEET IN LENGTH.
- (H) THE OWNER OF EACH NEW STRUCTURE REQUIRED TO COMPLY WITH THIS SECTION SHALL MARK THE STRUCTURE WITH THE APPROVED SYMBOL PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.
- (I) THE OWNER OF EACH EXISTING STRUCTURE REQUIRED TO COMPLY WITH THIS SECTION SHALL MARK THE STRUCTURE WITH THE APPROVED SYMBOL WITHIN 90 DAYS OF THE EFFECTIVE DATE OF THIS RULE AMENDMENT.
- (J) WHERE THERE IS DISAGREEMENT BETWEEN THE OWNER OF THE STRUCTURE AND THE AUTHORITY HAVING JURISDICTION AS TO THE PRESENCE OF LIGHT-WEIGHT FLOOR OR ROOF SYSTEMS WITHIN THE BUILDING, THE OWNER SHALL BE GRANTED NOT MORE THAN 45 DAYS TO PROVIDE WRITTEN VERIFICATION OF HIS POSITION FROM A LICENSED ENGINEER OR LICENSED ARCHITECT. FAILURE TO PROVIDE THE WRITTEN VERIFICATION WITHIN THE ALLOTTED TIME SHALL REQUIRE SUCH OWNER TO COMPLY WITH THE RULE AS THOUGH LIGHT-WEIGHT FLOOR OR ROOF SYSTEMS ARE PRESENT WITHIN THE BUILDING.



DATE: 6-14-2011
 REVISIONS: 7-18-2011

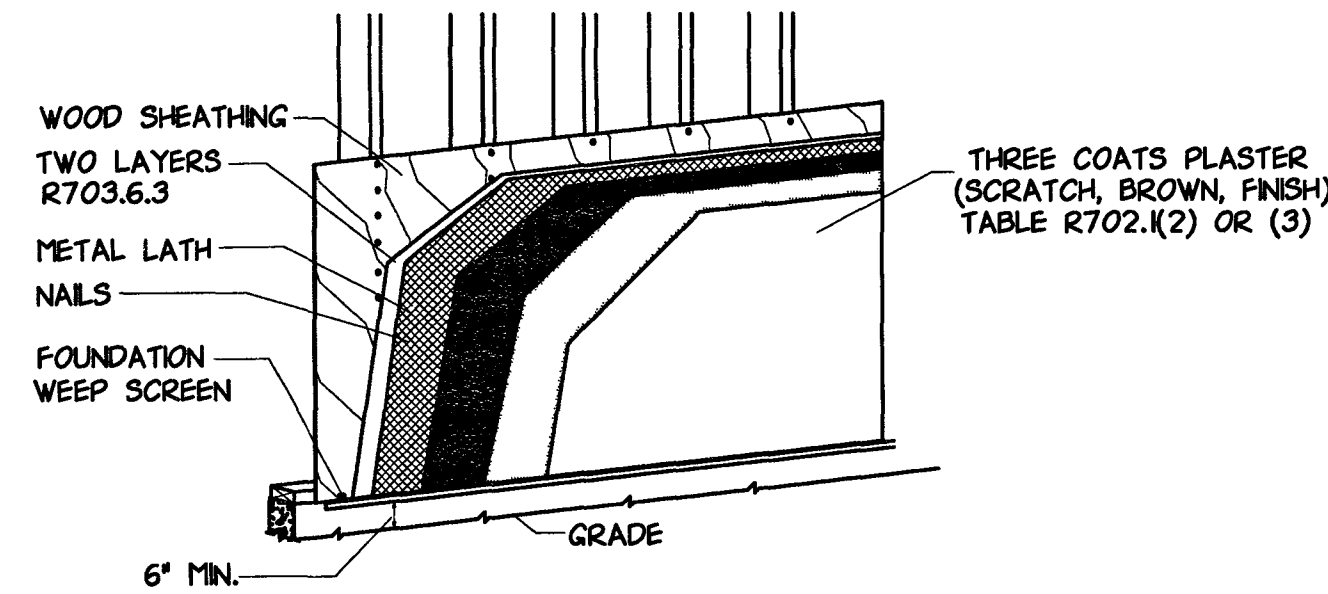
DRAWINGS DESIGNED TO MEET WHERE APPLICABLE DESIGN LOADS SECTION 1609 FBC 2007 FOR WIND LOADS OF 130 MPH, EXPOSURE 'C' ENCLOSED STRUCTURE FLORIDA BUILDING CODE 2007 Edition (FBCR 2007 WHERE APPLICABLE) 2009 SUPPLEMENT FLORIDA LIFE SAFETY CODE 2007 FLORIDA LIFE SAFETY CODE 2007 NATIONAL ELECTRIC CODE 2008

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SHEET
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EXTERIOR PLASTER (STUCCO) OVER FRAME CONSTRUCTION MUST COMPLY WITH ASTM C 926
 EXTERIOR METAL LATH MUST COMPLY WITH ASTM C 1063
 ATTACH WIRE LATH WITH 1-1/4" GALVANIZED NAILS OR STAPLES @ 12" O.C. BOTH WAYS
 OVER VAPOR BARRIER OR USE PAPER BACKED LATH
 USE 3-COAT SYSTEM TOTAL THICKNESS OF 7/8"
 MUST BE SEALED OR PAINTED AFTER CURING WAIT 28 DAYS OR USE
 CHEMICAL TEST CRAYON TO VERIFY ADEQUATE CURING OF CEMENT BASED PRODUCT
 USE SHERWIN-WILLIAMS LOXON PRIMER OR EQUAL WITH 2-COATS OF ACRYLIC LATEX FINISH



R703.6 EXTERIOR PLASTER

R703.6.1 EXTERIOR USE OF PORTLAND CEMENT PLASTER SHALL COMPLY WITH THE APPLICATION REQUIREMENTS OF ASTM C 926

R703.6.2 INSTALLATION OF EXTERIOR LATHING AND FRAMING SHALL COMPLY WITH THE APPLICATION REQUIREMENTS OF ASTM C 1063

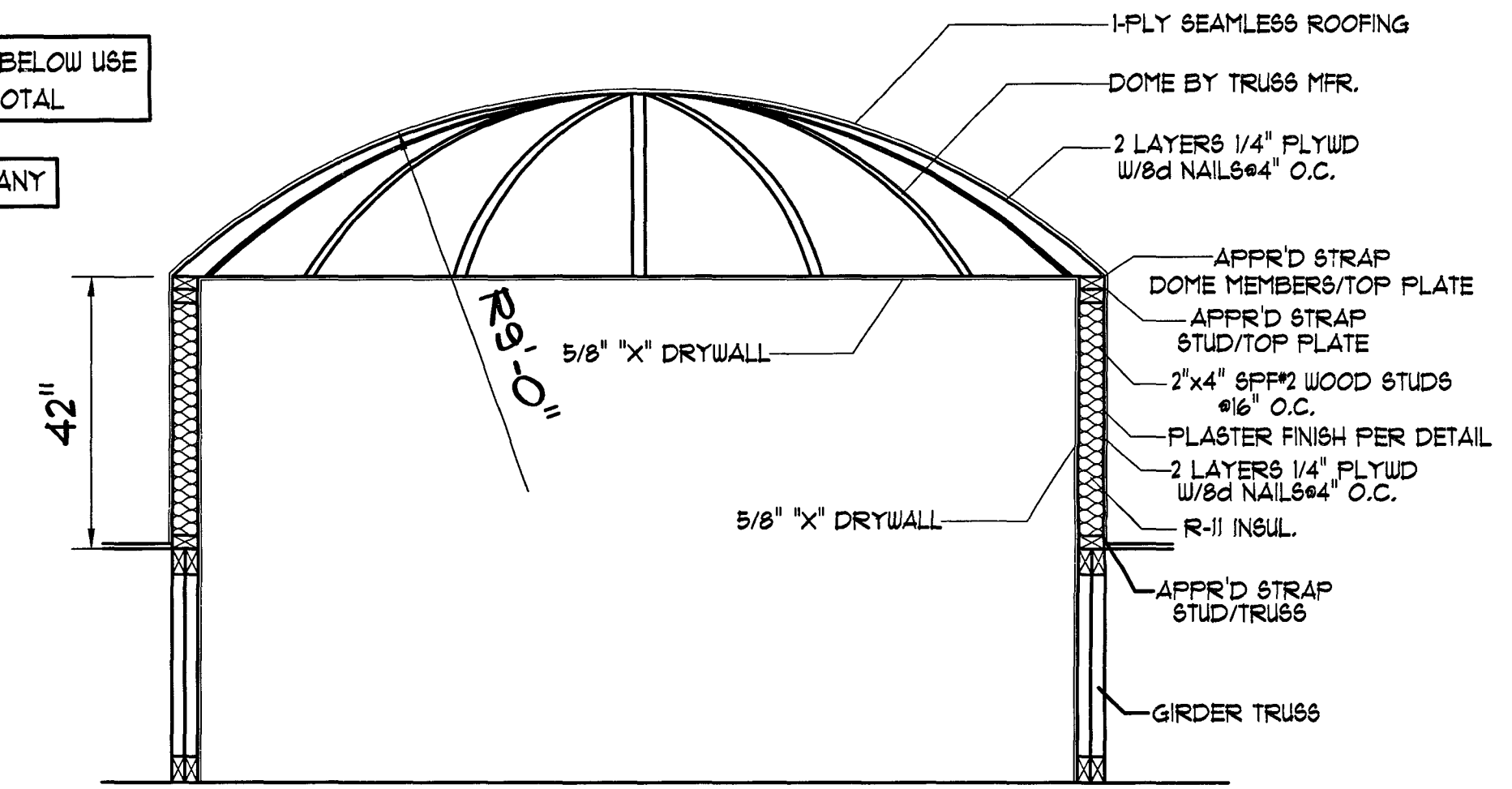
R703.6.3 WHERE CEMENT PLASTER (STUCCO) IS TO BE APPLIED TO LATH OVER FRAME CONSTRUCTION, MEASURES SHALL BE TAKEN TO PREVENT BONDING BETWEEN THE CEMENT PLASTER AND THE WATER-RESISTIVE BARRIER. A BOND BREAK SHALL BE PROVIDED BETWEEN THE WATER-RESISTIVE BARRIER AND THE CEMENT PLASTER (STUCCO) CONSISTING OF ONE OF THE FOLLOWING:

1. TWO LAYERS OF AN APPROVED WATER-RESISTANT BARRIER; OR
2. ONE LAYER OF AN APPROVED WATER RESISTANT BARRIER OVER AN APPROVED PLASTIC HOUSE WRAP; OR
3. OTHER APPROVED METHODS OR MATERIALS APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

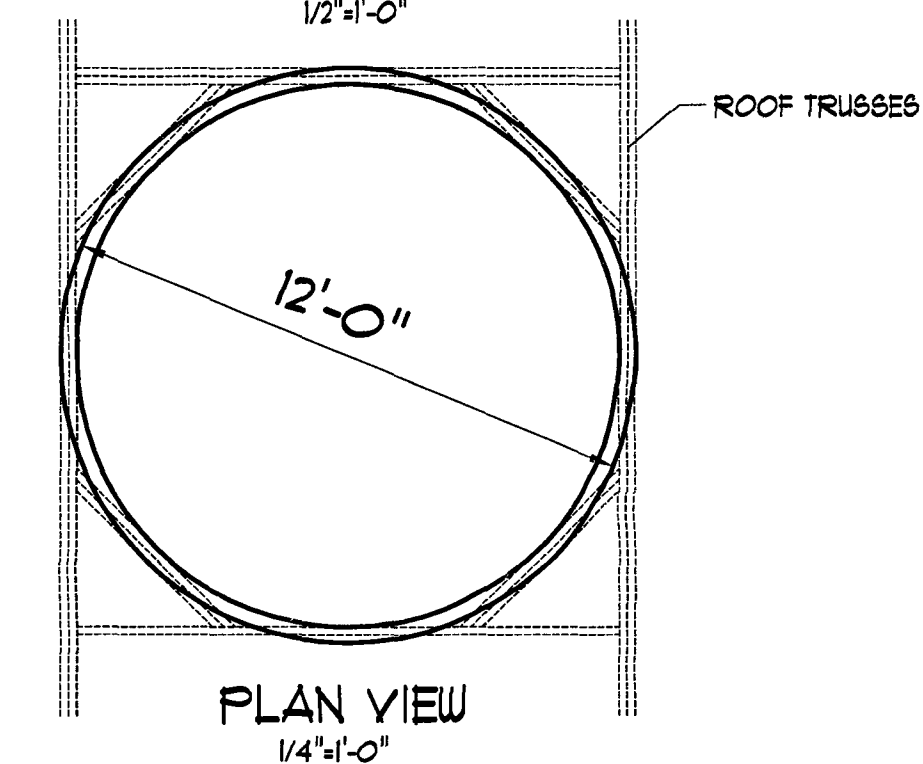
ALL DOME TRUSSES TO FRAME WALLS BELOW USE
 MT812-20 WITH 8-10d x1 1/2" NAILS TOTAL

TRUSS TO TRUSS CONNECTORS BY TRUSS COMPANY

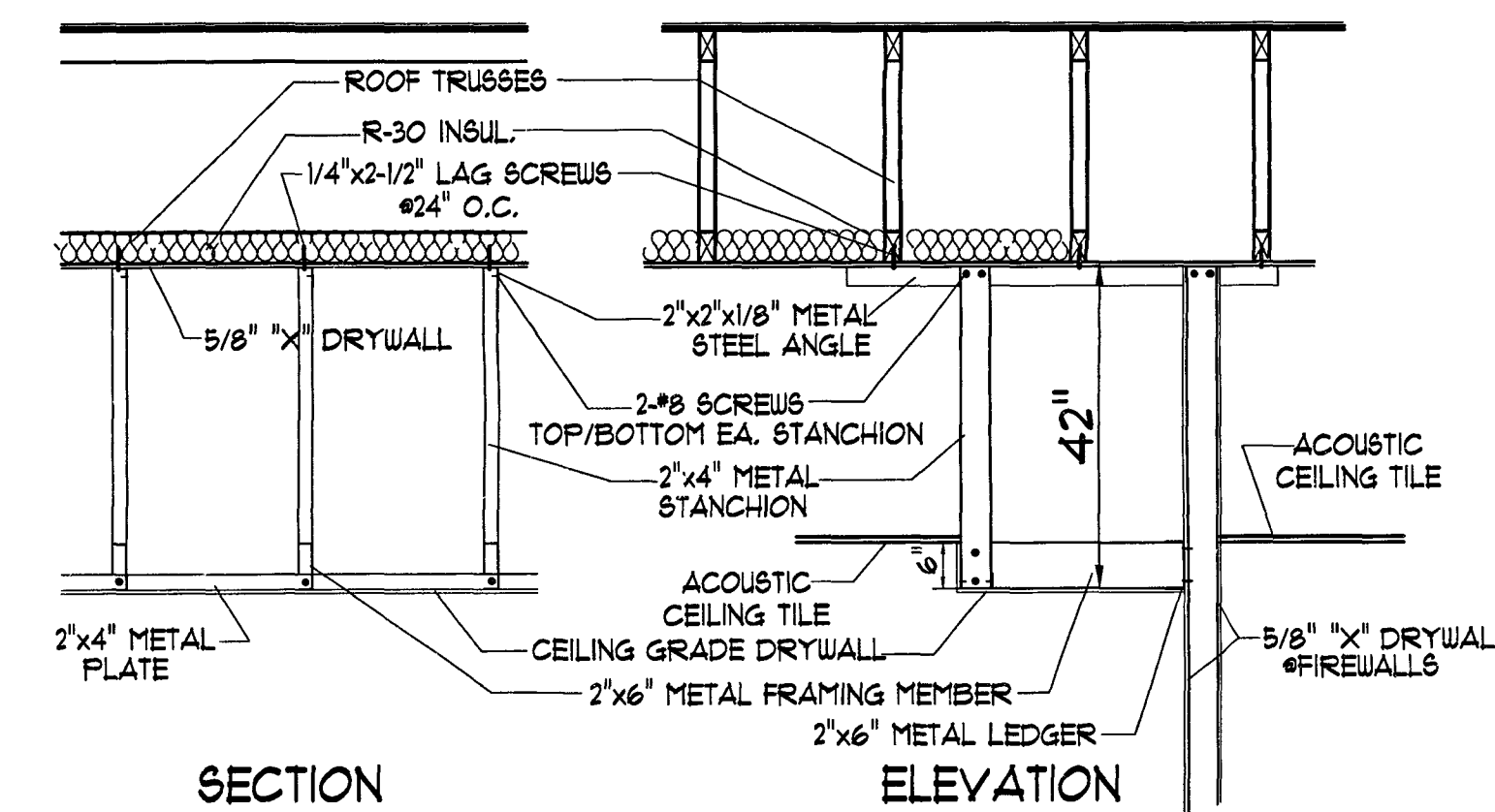
DOME FRAME WALLS USE SF4 WITH 6-10d x1 1/2" NAILS
 TOP & BOTTOM PLATES
 USE MT812-20 OR L6TA12-20 WITH 8-10d x1 1/2" NAILS
 TOTAL, MAY BE BENT AROUND TOP CHORD OF TRUSS



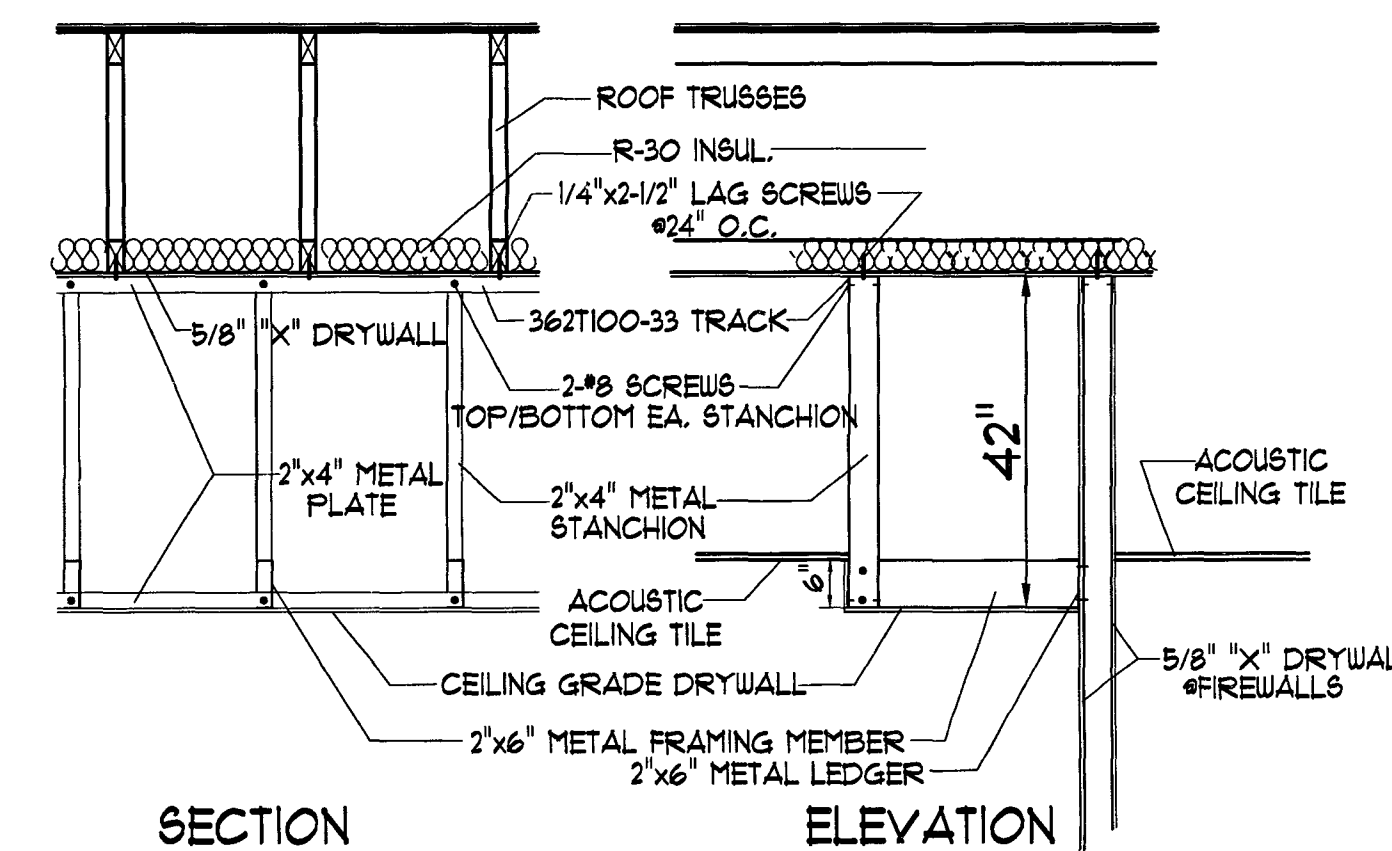
SECTION
 1/2"x1'-0"



DOME DETAIL

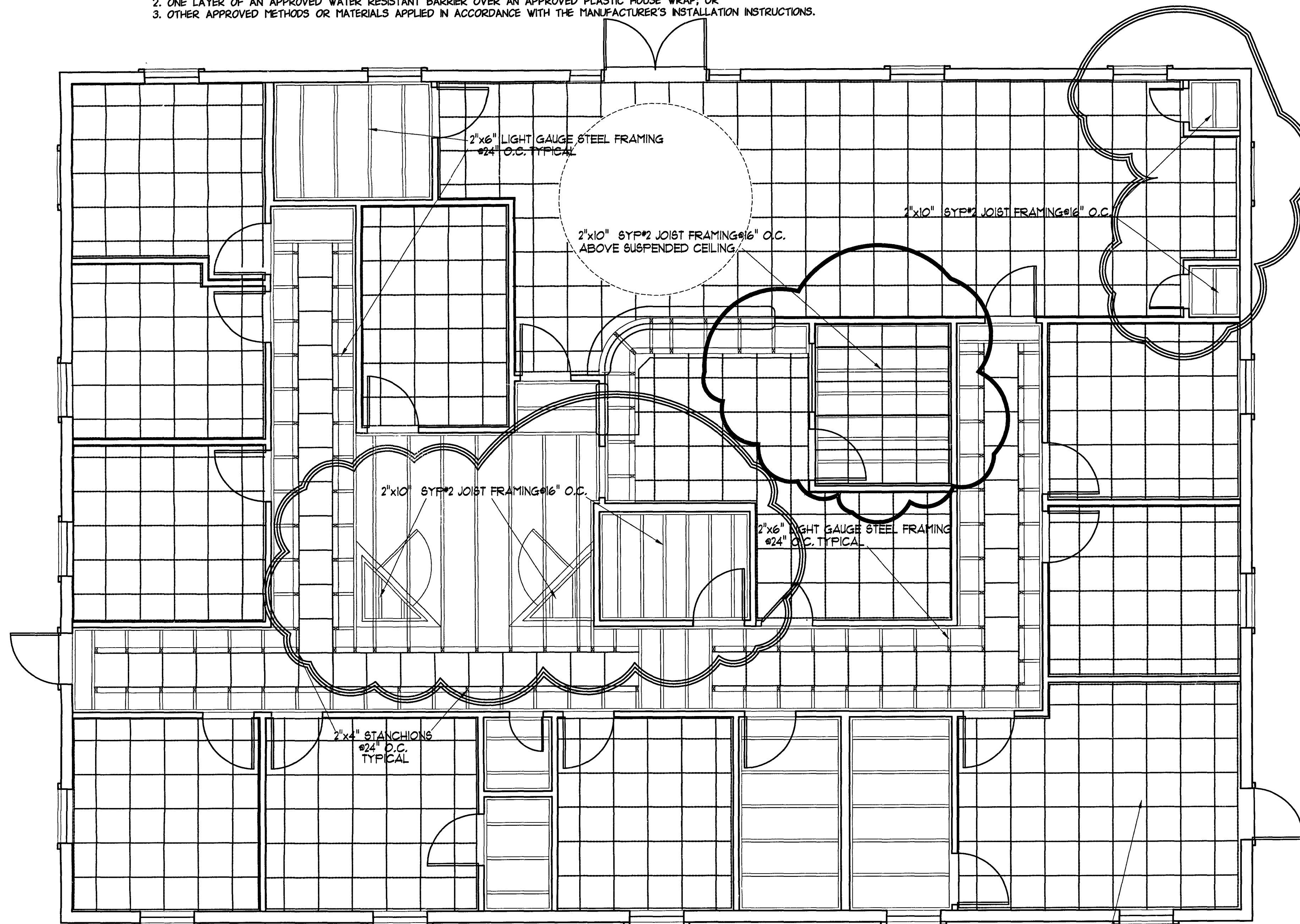


USE MINIMUM 20 GAUGE STEEL STUDS



SUSPENDED WALLS DETAIL
 1/2"x1'-0"

USE MINIMUM 20 GAUGE STEEL STUDS



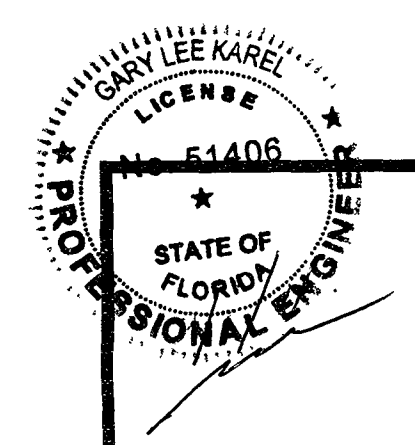
CEILING FRAMING PLAN 1/4"x1'-0"

DATE: 6-14-2011
 REVISIONS: 7-18-2011 7-29-2011

DRAWINGS DESIGNED TO MEET WHERE APPLICABLE
 DESIGN LOADS SECTION 1609, IBC 2007
 FOR MINIMUM BUILDING CODE 2007, IBC 2007
 FLORIDA FIRE PREVENTION CODE 2007
 FLORIDA LIFE SAFETY CODE 2007
 NATIONAL ELECTRIC CODE 2008

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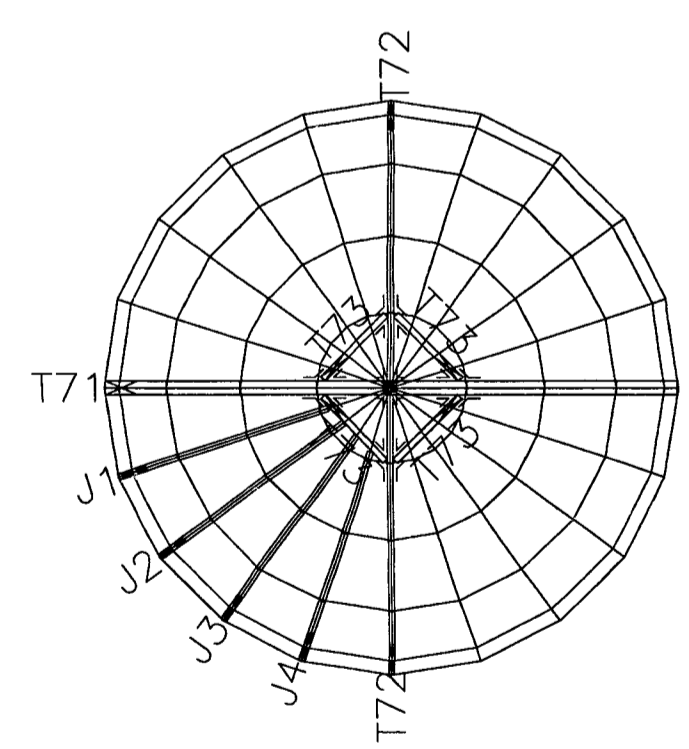
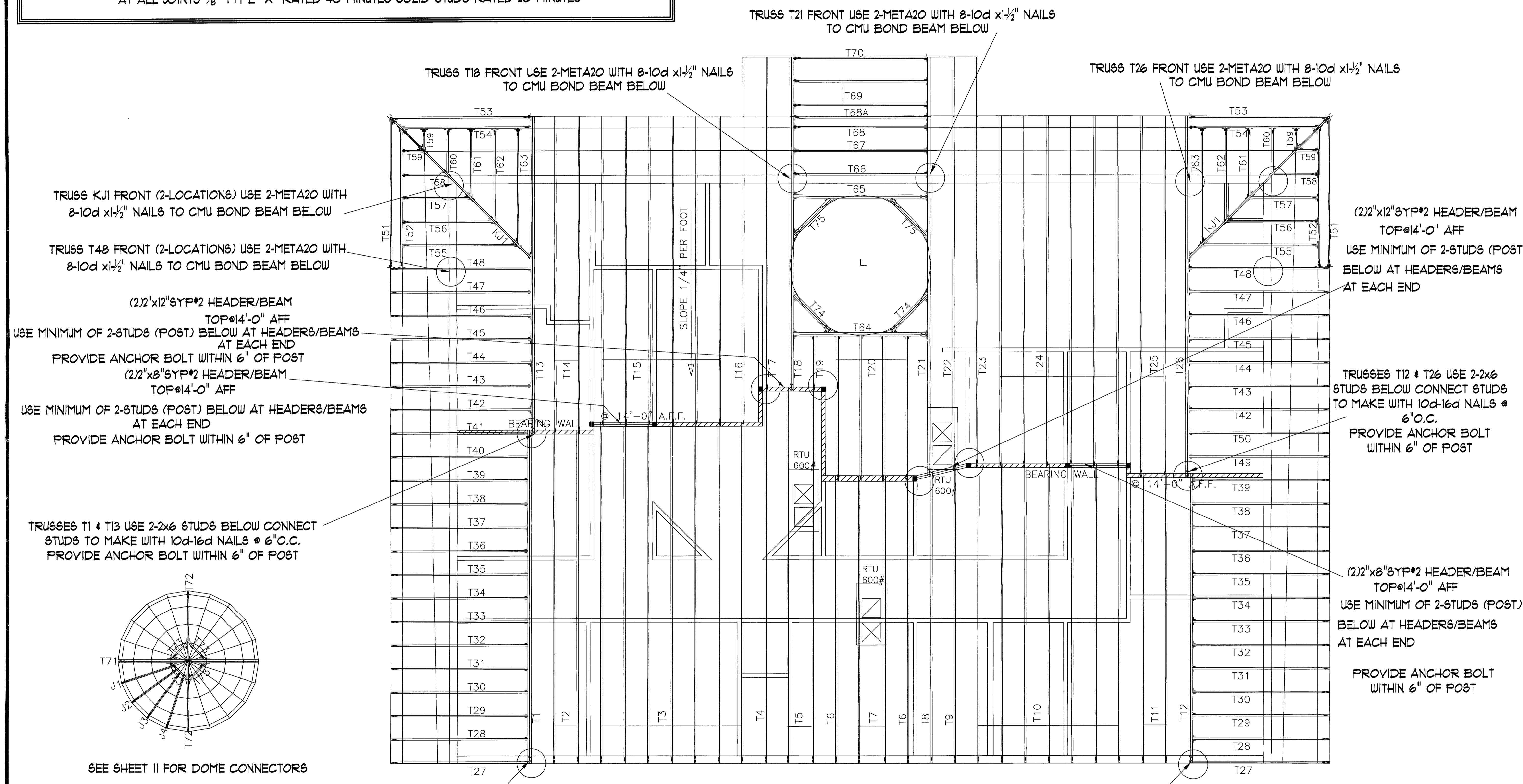


SHEET 11 of 14

2x6 SPP#2 WOOD FRAME POSTS (COLUMNS) WHERE NOTED ON ENGINEERING SHEET 12
 USE 5/8" TYPE "X" GYPSUM BOARD WRAPPED ALL 4-SIDES TO UNDERSIDE OF HEADERS/BEAMS ABOVE
 ALL HEADERS WRAPPED 3-SIDES WITH TYPE "X" GYPSUM BOARD APPLY MINIMUM 1-COAT OF JOINT COMPOUND
 AT ALL JOINTS 5/8" TYPE "X" RATED 40 MINUTES SOLID STUDS RATED 20 MINUTES

USE META20 WITH 8-10d x1-1/2" NAILS ALL TRUSSES TO CMU BOND BEAM BELOW, EXCEPT AS NOTED

TRUSS TO TRUSS CONNECTORS BY TRUSS COMPANY



SEE SHEET 11 FOR DOME CONNECTORS

TRUSS T1 REAR USE 2-META20 WITH 8-10d x1-1/2" NAILS TO CMU BOND BEAM BELOW

TRUSS T12 REAR USE 2-META20 WITH 8-10d x1-1/2" NAILS TO CMU BOND BEAM BELOW

Central Florida Truss
 Designed By GLM
 Reference # 11-0264
 6/6/11
 REVISED 6/16/11

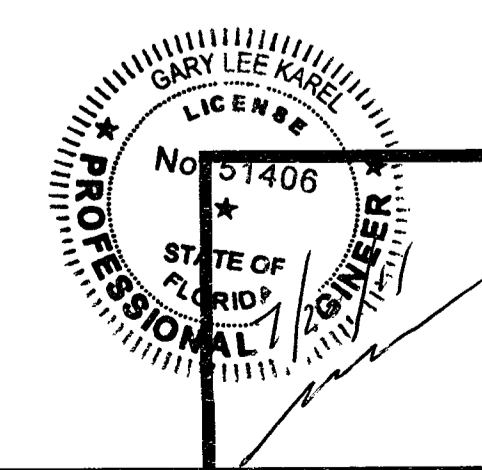
DR KUMAR OFFICE BUILDING
 APOLLO BLVD
 MELBOURNE, FL

DATE: 6-14-2011
 REVISIONS: 7-18-2011

DRAWINGS DESIGNED TO MEET WHERE APPLICABLE
 DESIGN LOADS SECTION 609, FBC 2007
 FOR MINIMUM BUILDING CODE 2007, EXCEPT WHERE APPLICABLE
 FLORIDA FIRE PREVENTION CODE 2007
 FLORIDA LIFE SAFETY CODE 2007
 NATIONAL ELECTRIC CODE 2008

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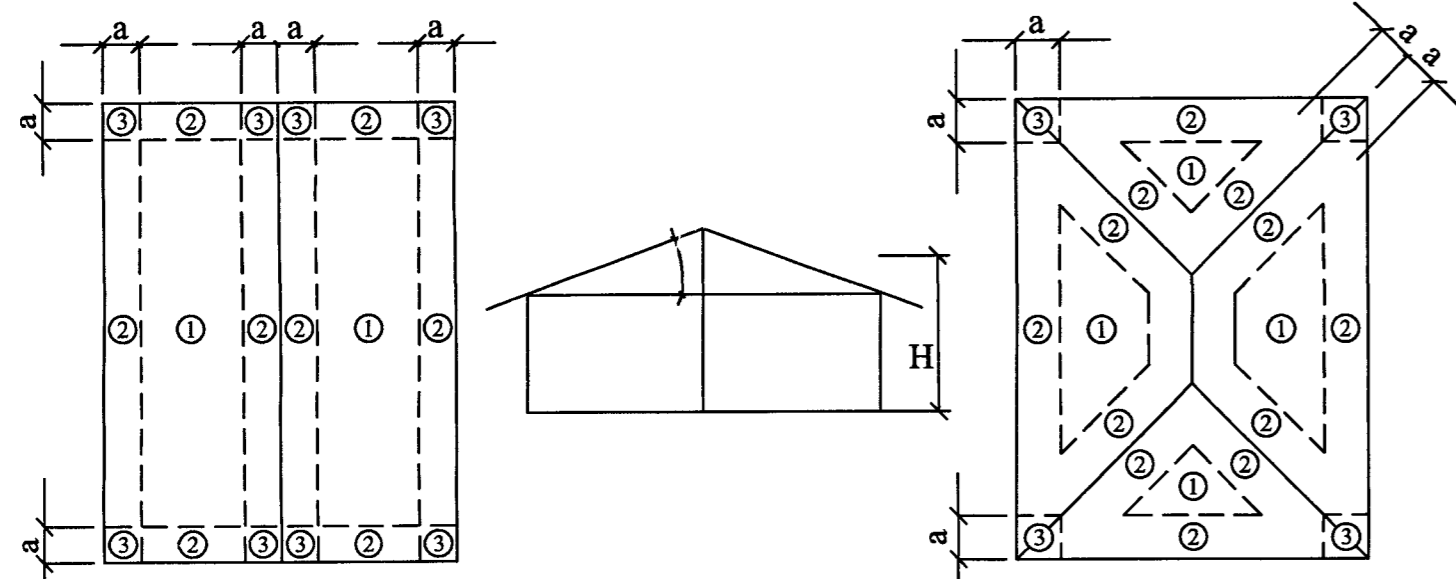


SHEET
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 14

NAIL PATTERN
SHEATHING 125-130 mph Wind

- ① Exterior Roof-Wall Sheathing (Shingle Roof): Use 1/2" Structural CDX, Nail 4"o.c. Edges 6"o.c. Field 8d RING SHANK Minimum
- ② Exterior Roof-Wall Sheathing (Tile Roofing): Use 5/8" Structural CDX, Nail 4"o.c. Edges 6"o.c. Field 10d RING SHANK Minimum.

EDGE STRIP ① REQUIRES NAILS ② 4"O.C. WITHIN ENTIRE ZONE SEE DETAIL



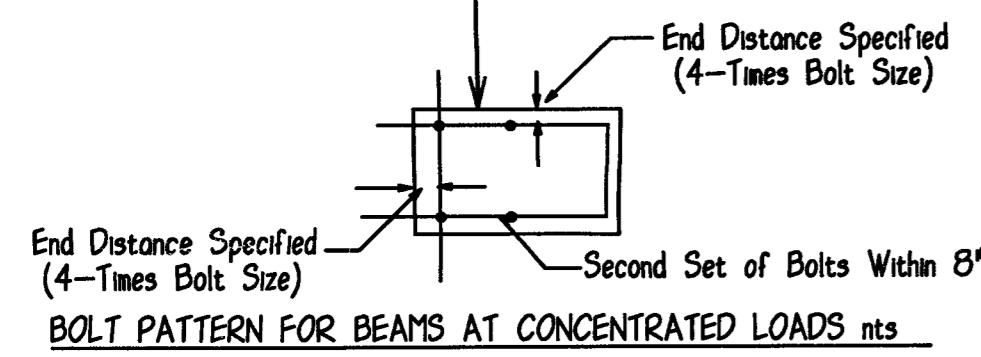
Building 2007 / CHAPTER 16 STRUCTURAL DESIGN / SECTION 1609 WIND LOADS / 1609.6 Simplified provisions for low rise buildings / 1609.6.3 Edge strips and end zones.

1609.6.3 Edge strips and end zones.
The width of the edge strip (a), as shown in Figure 1609.6C, shall be 10 percent of the least horizontal dimension or 40 percent of the eave height, whichever is less but not less than either 4 percent of the least horizontal dimension or 3 feet (914 mm). End zones as shown in Figure 1609.6B shall be twice the width of edge strip (a)

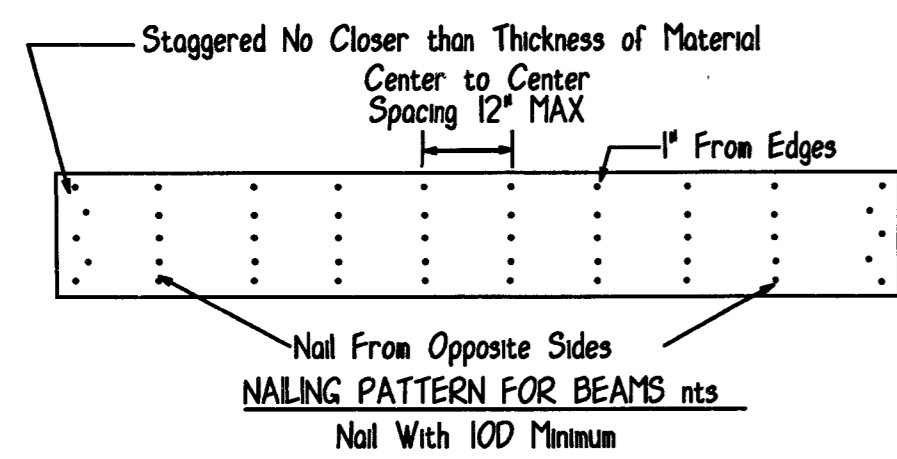
NAILING PATTERN 2007 FBC DETAIL

- Underlayment Must Meet ASTM D226 TYPE 1 or TYPE 2
- ASTM D4869 TYPE 1 OR TYPE 2
- ASTM D6757
- SELF-ADHERING ASTM D1670
- Drop Edge to be Mechanically Fastened @ 12"o.c. Max Above 33 Feet 4"o.c. Max
- Asphalt Shingles Must Meet ASTM 3161 CLASS F, ASTM 7158 CLASS 14, or TAS 107

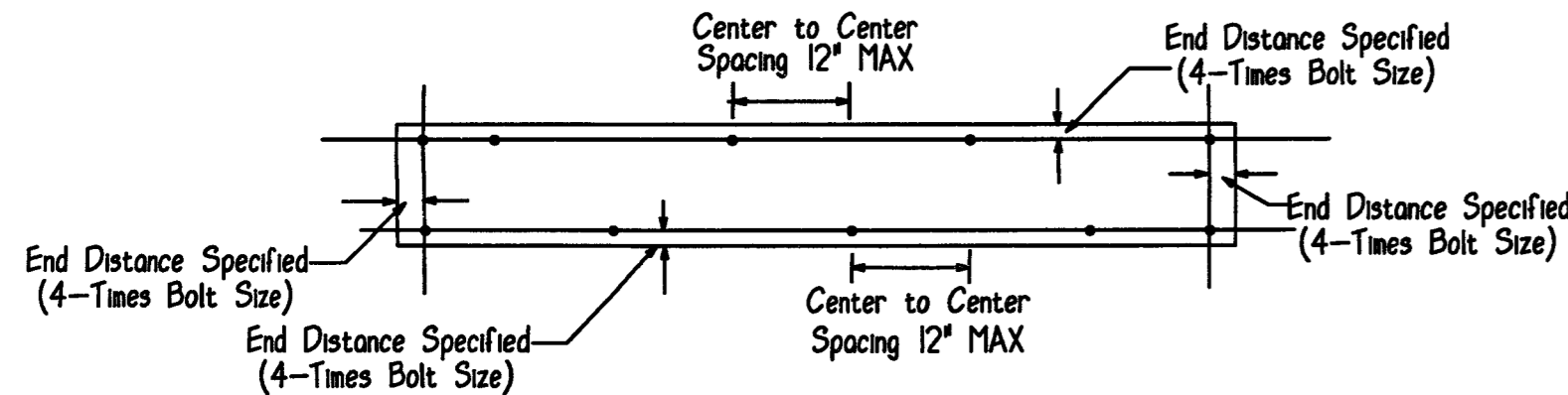
CONCENTRATED LOAD



BOLT PATTERN FOR BEAMS AT CONCENTRATED LOADS nts



NAILING PATTERN FOR BEAMS nts



BOLT PATTERN FOR BEAMS & LEDGERS nts

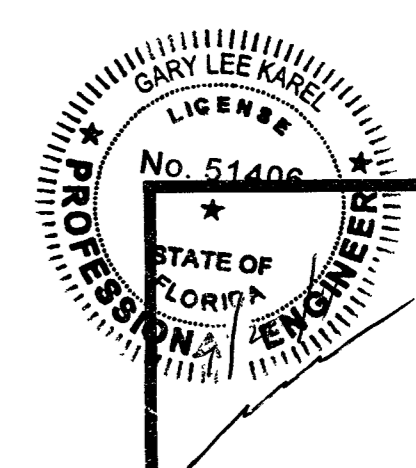
All Distances Measured to Center of Hole-All Bolt sizes are Bolt Diameter
USE FOR 3 OR MORE MEMBERS

Central Florida Truss				Bearing Info Report							
2955 Pineda Plaza Way #109 Melbourne, FL 32940 Main Office 321-259-7307 Alt. Ph: 1 Fax: 321-243-8917 www.cft.com				Job #: 11-0264 Date: 6/16/2011							
Project Information				Loading							
DR. KUMAR OFFICE BUILDING				APOLLO BLVD MELBOURNE, FL							
Description	Qty	Span	Size	Reacd.	Uplift	Description	Qty	Span	Size	Reacd.	Uplift
T1	2	31-14-08	1. 02-07-08 2. 02-04-00	1130 1178	1141 1130	T11	2	31-11-08	1. 02-07-08 2. 02-04-00	985 985	977 984
T2	2	31-14-08	1. 02-07-08 2. 02-04-00	1132 1132	1132 1132	T12	2	24-07-08	1. 02-07-08 2. 02-04-00	985 1000	987 1002
T3	7	31-11-08	1. 02-07-08 2. 02-04-00	1158 1158	1158 1158	T13	1	27-02-08	1. 02-04-00 2. 02-04-00	476 1088	403 746
T4	1	31-11-08	1. 02-07-08 2. 02-04-00	1278 1278	1278 1278	T14	2	30-08-00	1. 02-04-00 2. 02-04-00	870 1328	283 521
T5	2	31-11-08	1. 02-07-08 2. 02-04-00	1458 1681	1458 1564	T15	6	30-08-00	1. 02-04-00 2. 02-04-00	788 1328	284 814
T6	2	31-14-08	1. 02-07-08 2. 02-04-00	978 978	978 978	T16	1	35-00-13	1. 02-03-15 2. 02-08-00	437 1488	384 791
T7	2	31-11-08	1. 02-07-08 2. 02-04-00	1263 1263	1263 1263	T17	1	35-00-13	1. 02-03-15 2. 02-08-00	448 1788	387 786
T8	1	31-11-08	1. 02-07-08 2. 02-04-00	999 989	979 986	T18	1	35-00-13	1. 02-03-15 2. 02-08-00	208 1014	417 234
T9	1	31-11-08	1. 02-07-08 2. 02-04-00	1009 1009	1009 1009	T19	1	31-11-08	1. 02-07-08 2. 02-04-00	187 187	54 58
T10	7	31-14-08	1. 02-07-08 2. 02-04-00	1018 1018	1018 1018	T20	4	12-04-00	1. 02-08-00 2. 02-02-00	488 488	143 147

Central Florida Truss				Bearing Info Report							
DR. KUMAR OFFICE BUILDING				APOLLO BLVD MELBOURNE, FL							
Description	Qty	Span	Size	Reacd.	Uplift	Description	Qty	Span	Size	Reacd.	Uplift
T47	2	12-09-00	1. 02-08-00 2. 02-03-00	848 111	423 150	T80	2	03-08-15	1. 02-03-00 2. 02-03-00	150 150	119 15
T48	2	12-09-00	1. 02-08-00 2. 02-03-00	2634 338	1173 338	T81	2	05-02-15	1. 02-03-00 3. 02-03-00	208 182	208 75
T49	1	12-09-00	1. 02-08-00 2. 02-03-00	848 111	418 133	T82	2	07-06-15	1. 02-03-00 2. 02-08-00 3. 02-03-00	187 278 154	54 36 63
T50	1	12-09-00	1. 02-08-00 2. 02-03-00	848 111	419 123	T83	2	09-08-15	1. 02-03-00 2. 02-08-00 3. 02-03-00	142 447 188	89 87 84
T51	2	12-07-00	1. 02-04-00 2. 02-03-00	536 505	173 173	T84	1	11-05-00	1. 02-03-00 2. 02-03-00	2480 228	81 49
T52	2	11-08-15	1. 02-03-00 2. 02-03-00	836 885	364 418	T85	1	11-08-00	1. 02-03-00 2. 02-03-00	1294 1294	282 286
T53	2	11-09-07	1. 02-03-00 2. 02-03-00	471 471	161 161	T86	1	11-05-00	1. 02-03-00 2. 02-03-00	457 457	138 138
T54	2	10-10-15	1. 02-03-00 2. 02-03-00	664 638	378 387	T87	1	11-02-00	1. 02-03-00 2. 02-03-00	497 497	138 138
T56	2	08-08-15	1. 02-03-00 2. 02-03-00 3. 02-03-00	140 449 159	91 104 66	T88	1	11-05-00	1. 02-03-00 2. 02-03-00	457 457	136 136
T57	2	07-08-15	1. 02-03-00 2. 02-03-00 3. 02-03-00	184 256 150	107 37 68	T89A	1	11-05-00	1. 02-03-00 2. 02-03-00	457 457	136 136
T57	2	05-08-15	1. 02-03-00 2. 02-03-00 3. 02-03-00	208 90 162	128 91 91	T89	2	11-05-00	1. 02-03-00 2. 02-03-00	457 457	133 133
T58	2	03-08-15	1. 02-03-00 2. 02-03-00	150 150	119 34	T90	1	11-05-00	1. 02-03-00 2. 02-03-00	457 457	133 133
T59	4	01-08-15	1. 02-03-00 2. 02-03-00	109 135	171 42	T91	1	11-11-07	1. 02-03-04 2. 02-03-04	224 224	89 89

Bearing Info Report				Bearing Info Report							
DR. KUMAR OFFICE BUILDING				DR. KUMAR OFFICE BUILDING							
Description	Qty	Span	Size	Reacd.	Uplift	Description	Qty	Span	Size	Reacd.	Uplift
T34	1	35-05-09	1. 02-03-15 2. 02-08-00	3214 11192	436 2467	T34	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	418 103
T35	1	35-05-13	1. 02-03-15 2. 02-08-00	1344 2081	291 786	T35	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	417 107
T36	1	35-05-13	1. 02-03-15 2. 02-08-00	806 1980	289 756	T36	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	418 106
T37	6	30-08-00	1. 02-04-00 2. 02-08-00	306 1441	329 551	T37	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	418 106
T38	2	30-08-00	1. 02-04-00 2. 02-08-00	871 1473	333 655	T38	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	419 102
T39	1	30-08-00	1. 02-04-00 2. 02-08-00	1407 2286	1334 1204	T39	2	11-08-08	1. 02-08-00 2. 02-03-00	870 132	404 106
T40	2	11-08-08	1. 02-08-00 2. 02-03-00	827 126	341 160	T40	1	11-08-08	1. 02-08-00 2. 02-03-00	842 119	411 104
T41	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	412 186	T41	1	11-08-08	1. 02-08-00 2. 02-03-00	842 119	418 102
T42	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	413 123	T42	2	12-00-00	1. 02-08-00 2. 02-03-00	848 111	405 103
T43	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	414 158	T43	2	12-00-00	1. 02-08-00 2. 02-03-00	848 111	405 102
T44	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	415 108	T44	2	12-00-00	1. 02-08-00 2. 02-03-00	848 111	402 102
T45	2	11-08-08	1. 02-08-00 2. 02-03-00	842 119	415 123	T45	2	12-00-00	1. 02-08-00 2. 02-03-00	848 111	402 102

Bearing Info Report				Bearing Info Report							
DR. KUMAR OFFICE BUILDING				DR. KUMAR OFFICE BUILDING							
Description	Qty	Span	Size	Reacd.	Uplift	Description	Qty	Span	Size	Reacd.	Uplift
T72	2	05-10-12	1. 02-03-07 2. 02-03-00	441 887	186 322	T72	4	05-10-11	1. 02-03-00 2. 02-03-00	441 415	186 178
T73	4	05-10-11	1. 02-03-00 2. 02-03-00	441 415	186 178	T73	2	04-03-08	1. 02-03-00 2. 02-03-00	470 600	140 148
T74	2	04-03-08	1. 02-03-00 2. 02-03-00	470 600	140 148	T74	2	04-03-08	1. 02-03-00 2. 02-03-00	470 600	140 148
T75	4	04-07-02	1. 02-03-07 2. 02-01-28 3. 02-01-28	190 89 89	36 36 47	T75	4	04-07-02	1. 02-03-07 2. 02-01-28 3. 02-01-28	190 89 89	36 36 47
T76	4	04-09-00	1. 02-03-00 2. 02-01-28 3. 02-01-28	190 94 94	39 44 44	T76	4	04-09-00	1. 02-03-00 2. 02-01-28 3. 02-01-28	190 94 94	39 44 44
T77	4	04-09-00	1. 02-03-00 2. 02-01-28 3. 02-01-28	190 94 94	39 44 44	T77	4	04-07-02	1. 02-03-00 2. 02-01-28 3. 02-01-28	190 89 89	36 36 46
T78	2	10-10-14	1. 02-11-05 2. 02-03-00	5231 517	2822 517	T78	2	10-10-14	1. 02-11-05 2. 02-03-00	5231 517	2822 517



DATE: 6-14-2011
REVISIONS: 7-18-2011

DRAWINGS DESIGNED TO MEET WHERE APPLICABLE
DESIGN LOADS SECTION 1609 FBC 2007
FOR WIND LOADS OF 130 MPH. EXPOSURE 'C' ENCLOSED STRUCTURE
FLORIDA BUILDING CODE 2007 Edition, FBCR 2007 WHERE APPLICABLE) 2008 SUPPLEMENT
FLORIDA FIRE SAFETY CODE 2007
NATIONAL ELECTRIC CODE 2008

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