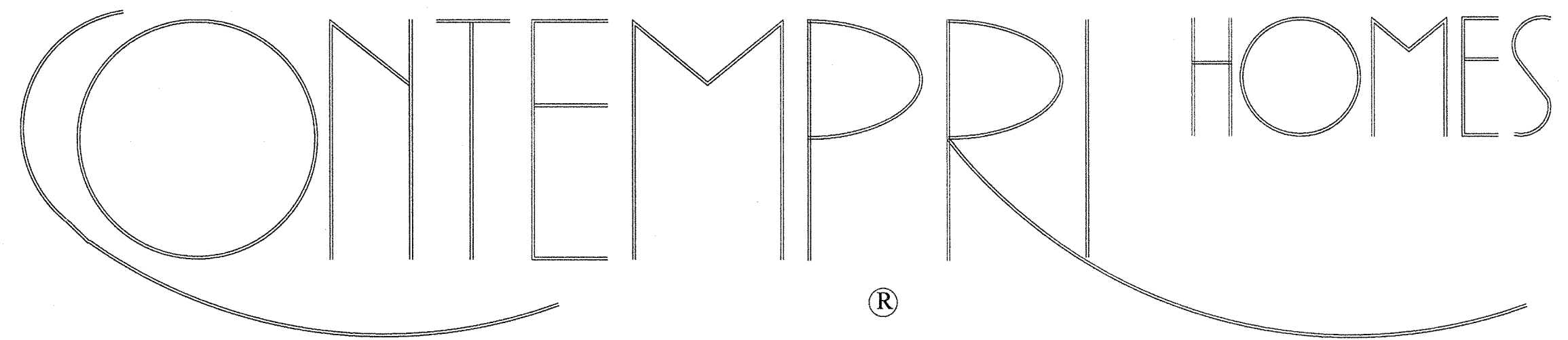


A. BERNARD SHORT D.D.S, PC

ON SITE CONSTRUCTION BY:

**SHERWOOD FOREST HOMES
4500 SOUTH RANGE LINE
Joplin, MO 64804**

MANUFACTURED BY:



**1000 WEST WATER STREET, P.O. BOX 69
PINCKNEYVILLE, IL 62274
(618) 357-5361**

CODE COMPLIANCE

OCCUPANCY GROUP	"B"
TYPE OF CONSTRUCTION	V-B
ALLOWABLE AREA (PER STORY)	9,000 SF
ACTUAL AREA (PER STORY)	2,400 SF
ALLOWABLE STORIES	2
ACTUAL STORIES	1
ALLOWABLE HEIGHT	40 FEET
ACTUAL HEIGHT	19'-10"
OCCUPANT LOAD FACTOR	100 SF / OCCUPANT
OCCUPANT LOAD	24
NUMBER OF EXITS REQUIRED	1
NUMBER OF EXITS PROVIDED	2
FIRE PROTECTION	
EXITS LIGHTS	
EMERGENCY LIGHTS	

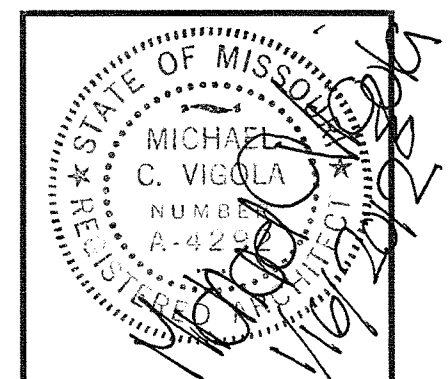
DRAWING SET INDEX

1	COVER SHEET
2	GENERAL NOTES
3	FLOOR PLAN
4	SCHEDULES / INTERIOR ELEVATION
5	INTERIOR ELEVATION
6	EXTERIOR ELEVATIONS
7	EXTERIOR ELEVATIONS
8	DENTAL EQUIPMENT
9	M/E/P NOTES
10	LIGHTING PLAN
11	POWER PLAN
12	MECHANICAL PLAN
13	PLUMBING PLAN
14	FOUNDATION PLAN
15	FOUNDATION DETAILS
16	BUILDING SECTION
17	CONNECTION DETAILS
18	BRACED WALL PLAN

GENERAL INFORMATION

ARCHITECT

**MICHAEL C. VIGOLA, AIA
M.C. VIGOLA ARCHITECT AIA
1252 SW Topeka Blvd #2
TOPEKA, KANSAS 66612**

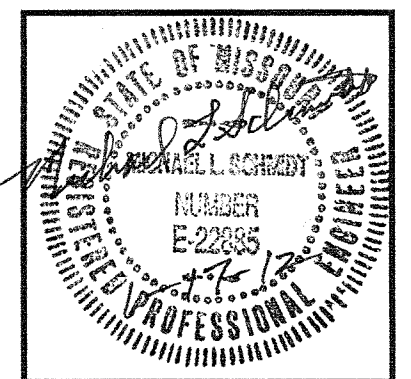


ENGINEER

MICHAEL L. SCHMIDT, P.E.

SCHMIDT Engineering Consultants, Inc.

CIVIL, STRUCTURAL, AND ARCHITECTURAL ENGINEERING
2493B V Road, Strong City, Kansas 66869 / 815 Graham St., Emporia, Kansas 66801 620-343-0302



**CONTEMPRI HOMES PROVIDES ONLY
PRE-ENGINEERED BUILDING COMPONENTS FOR
FINAL ERECTION & COMPLETION BY AN ON-SITE
BUILDER AND ASSUMES NO RESPONSIBILITY FOR
THE DESIGN or CONSTRUCTION OF: THE
FOUNDATION SYSTEM (INCLUDING FOOTINGS,
WALLS, PIERS, BEAMS, COLUMNS, LINTEL OR ETC),
ATTACHED GARAGES, PORCHES, & ALTERATIONS or
ADDITIONS TO THE FACTORY BUILT COMPONENTS.**

GENERAL:

1. THESE DRAWINGS ARE BASED UPON AVAILABLE INFORMATION. BEFORE EXECUTING ANYTHING HEREIN SHOWN, EXAMINE ACTUAL JOB CONDITIONS. REPORT ANY DISCREPANCY, ERROR, OMISSIONS, OR DIFFICULTY AFFECTING THE WORK TO THE STRUCTURAL ENGINEER FOR REVIEW. COMMENCEMENT OF WORK CONSTITUTES VERIFICATION AND ACCEPTANCE OF EXISTING CONDITIONS.
2. THE BUILDING SYSTEM SHOWN ON THESE DRAWINGS MUST BE ERECTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS USING STANDARD ERECTION PROCEDURES AND ANY MANUFACTURER'S RECOMMENDATIONS.
3. ANY DEVIATIONS FROM THE PLANS (AND SPECIFICATION AS PROVIDED WITHIN THE PLANS) IS SUBJECT TO WRITTEN APPROVAL FROM THE ENGINEER. ANY DEVIATION FROM THE STANDARD ERECTION PROCEDURES AND MANUFACTURER'S RECOMMENDATIONS IS SUBJECT TO THE WRITTEN APPROVAL FROM THE MANUFACTURER.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED PRIOR TO CONSTRUCTION.
5. ALL DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
6. DO NOT SCALE THE DRAWINGS, CALCULATE REQUIRED DIMENSIONS. ALL DIMENSIONS SHOWN ARE TO THE FINISHED FACE OF MATERIAL UNLESS OTHERWISE INDICATED.
7. ANY EXISTING SURFACES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED PRIOR TO COMPLETION OF WORK.
8. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK AS SHOWN OR INFERRED BY THE DRAWINGS.

DESIGN:

1. CODES, SPECIFICATION AND STANDARDS (LATEST EDITIONS, U.N.O.)

ALL CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS AND STANDARDS, EXCEPT WHERE NOTED TO THE CONTRARY ON THE DRAWINGS AND SPECIFICATIONS OR WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR SHOWN

MCIB "SPECIFICATIONS FOR CONCRETE WORK"

2. ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING

- 2009 INTERNATIONAL BUILDING CODE (IBC)
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2009 INTERNATIONAL FIRE CODE (IFC)
- 2009 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2009 INTERNATIONAL MECHANICAL CODE (IMC)
- 2009 INTERNATIONAL PLUMBING CODE (IPC)
- 2008 NATIONAL ELECTRICAL CODE (NEC)

DESIGN LOADS:

- DEAD LOAD: ACTUAL MATERIAL WEIGHT
- FLOOR LIVE LOAD:
 - OFFICE 50 PSF
 - CORRIDOR 100 PSF
- ROOF LIVE LOAD: 20 PSF
- ROOF SNOW LOAD: 30 PSF (UN-REDUCED)
- WIND LOADING
 - WIND SPEED 100 MPH
 - EXPOSURE "C"
 - STRUCTURE TYPE ENCLOSED
 - IMPORTANCE 1.00
- SEISMIC DESIGN CATEGORY: B-1

ROUGH CARPENTRY:

1. ALL STRUCTURAL LUMBER SHALL BE S4S #2 SOUTH PINE (SP) (OR BETTER) WITH A MINIMUM MOISTURE CONTENT OF NINETEEN (19) PERCENT.
2. ALL NON-STRUCTURAL LUMBER SHALL BE SPF #2 (OR BETTER).
3. ALL MATERIAL IN CONTACT WITH THE EARTH OR CONCRETE SHALL BE ACQ TREATED OR EQUAL.
4. ALL WOOD STRUCTURAL PANELS SHALL BE IDENTIFIED WITH THE APPROPRIATE GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL MEET THE REQUIREMENTS OF PS-1 OR PS-2, RESPECTIVELY, UNLESS NOTED OTHERWISE ON THE DRAWINGS. WALL PANELS TO BE USED ON THE EXTERIOR SHALL BE COMPATIBLE WITH THE ARCHITECTURAL EXTERIOR FINISH MATERIAL.
5. ALL ENGINEERED WOOD PRODUCTS (LAMINATED VENEER LUMBER (LVL), OR PARALLEL STRAND LUMBER (PSL)) SHALL BE MANUFACTURED TO THE FOLLOWING MINIMUM PROPERTIES:
 - ALLOWABLE BENDING STRESS: 2,950 PSI
 - ALLOWABLE SHEAR STRESS: 285 PSI
 - MODULUS OF ELASTICITY: 1,900,000 PSI
6. ALL BOLTS FOR CONSTRUCTION SHALL BE ASTM A307, GRADE A, OR ASTM A36.
7. ALL NAILS SHALL BE COMMON WIRE NAILS, UNLESS NOTED OTHERWISE ON THE DRAWINGS
8. ALL METAL FRAMING ACCESSORIES ARE STANDARDS OF SIMPSON STRONG-TIE AND ARE TO BE ATTACHED AS PER SIMPSON STRONG-TIE RECOMMENDATIONS.
9. HEADERS, BEAMS AND LINTELS SHALL BE CONSTRUCTED AS PER THE DRAWINGS WITH A MINIMUM OF (2) BEARING STUDS AND (1) FULL HEIGHT STUD AT ALL OPENINGS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. STRUCTURAL PANELS SHALL BE PLACED WITH THE FACE GRAIN PERPENDICULAR TO THE SUPPORTING MEMBERS WITH THE END JOINTS STAGGERED FOUR (4) FEET, TYPICALLY.
11. THE QUALITY AND SIZE OF FASTENERS SHALL BE IN ACCORDANCE WITH THE CODE OF RECORD, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

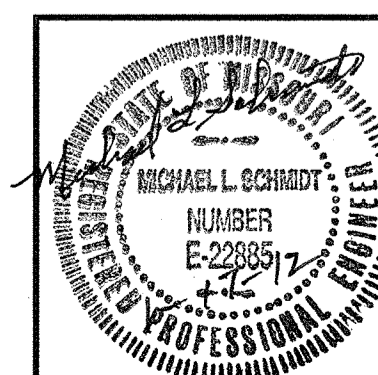
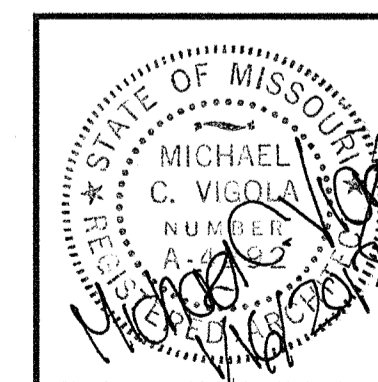
FOUNDATION:

1. ALL FOOTING FOUNDATIONS HAVE A DESIGN ALLOWABLE PRESSURE OF 2,000 PSF.
2. ZONES OF SOIL ENCOUNTERED AT THE BOTTOM OF THE FOOTING EXCAVATIONS DEEMED INEQUATE SHALL BE REPLACED OR REMEDIATED AS DIRECTED BY THE ENGINEER.
3. MOISTURE CONTENT OF THE SOIL SHALL NOT BE ALLOWED TO CHANGE AFTER EXCAVATION.
4. CONCRETE SHALL NOT BE PLACED ON FROZEN OR SATURATED GROUND.
5. THE BASE OF THE EXCAVATION SHALL BE FREE OF WATER AND LOOSE SOIL PRIOR TO PLACEMENT OF CONCRETE.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY UNUSAL SOIL CONDITIONS THAT ARE IN VARIANCE WITH THE PLAN DRAWINGS OR WHEN DIFFERENT BEARING MATERIAL IS EVIDENT AND THERE IS A QUESTION OF BEARING CAPACITY.

CONCRETE CONSTRUCTION:

1. CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE DOCUMENTS, ACI-301, 304, 305, 306, 315, 318, AND 347 AND CONCRETE REINFORCING STEEL INSTITUTE MANUAL OF STANDARD PRACTICE UNLESS OTHERWISE NOTED IN THESE CONTRACT DOCUMENTS.
2. CONCRETE FOR FOOTINGS: $f'c = 3,000$ psi (28 DAY)
3. CONCRETE FOR FLATWORK: $f'c = 3,500$ psi (28 DAY)
4. REINFORCING STEEL:
 - A. ASTM A615 GRADE 40 STEEL
 - B. MINIMUM SPLICE LAP = 30 BAR DIAMETERS
 - C. HORIZONTAL REINFORCING STEEL SHALL BE CONTINUOUS AROUND THE CORNERS AND SHALL MEET THE REQUIREMENTS OF MINIMUM SPLICE LAP.
 - D. WELDED WIRE REINFORCEMENT SHALL MEET ASTM A706, GRADE 60.
5. CONCRETE SLUMP SHALL BE A MINIMUM OF 5" +/- (ASTM C-143) AS DELIVERED IN THE FIELD. THE CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY.
6. AGGREGATE SIZE = 3/4" (MAXIMUM)
7. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN ANY CONCRETE POURS UNLESS SHOWN ON THE PLANS OR APPROVED IN WRITING BY THE ENGINEER.
8. REINFORCING STEEL COVERAGE SHALL BE IN ACCORDANCE WITH ACI 315 UNLESS NOTED OTHERWISE ON THE DRAWINGS.
9. MINIMUM CLEAR COVERAGE OF CONCRETE OVER REINFORCING STEEL SHALL NOT BE LESS THAN THE FOLLOWING (UNLESS NOTED OTHERWISE):
 - A. CONCRETE PLACED AGAINST TRENCHED EARTH 3"
 - B. CONCRETE PLACED AGAINST FORM IN EARTH 2"
 - C. UN-TIED ELEMENTS (ELEVATED SLABS AND WALLS) 1"
 - D. TIED ELEMENTS (COLUMNS AND ELEVATED BEAMS) 1 1/2"
10. FLY ASH MAY BE USED AT A RATE NOT TO EXCEED 15% OF THE TOTAL CEMENT CONTENT.
11. CONCRETE EXPOSED TO WEATHER, PARKED VEHICLES, AND/OR DE-ICING CHEMICAL SHALL CONTAIN 6% (+/-1%) ENTRAINED AIR BY VOLUME.
12. STIRRUPS AND TIES SHALL COMPLY WITH CONCRETE REINFORCING STEEL INSTITUTE (CRSI) SUPPLEMENTARY REQUIREMENTS FOR IMPROVED BENDABILITY
13. MINIMUM LAP DISTANCE AND HOOK LENGTHS SHALL BE AS FOLLOWS:

BAR	MIN. LAP	90° HOOK
#3	15"	6"
#4	20"	8"
#5	24"	10"
#6	30"	12"
#7	42"	14"
#8	48"	16"
#9	54"	18"



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 24938 V Road, Strong City, Kansas 66869 / 815 Graham St., Emporia, Kansas 66801 620-343-0302

PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S, PC
 TITLE: GENERAL NOTES
 PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 2 OF 17
 DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS

Contempri Homes
 P.O. 69
 1000 West Water
 Piquetteville, IL 62274
 Ph: (618) 357-5361
 Fax: (618) 357-6629
 Website www.contemprihomes.com

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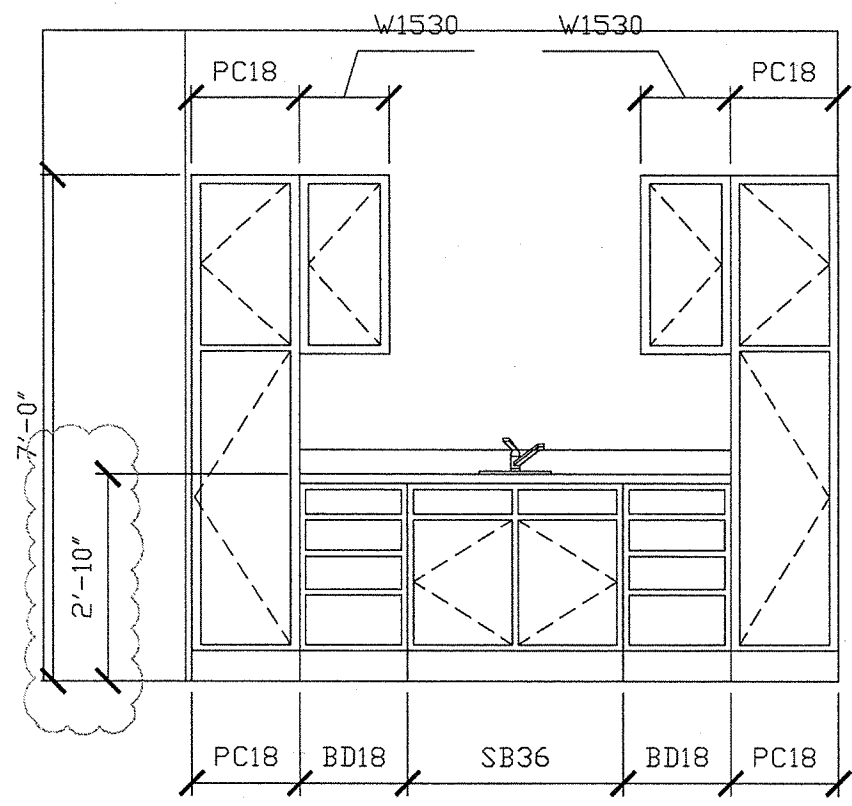
PRODUCTION #:

REVISED DATE: 01/16/12

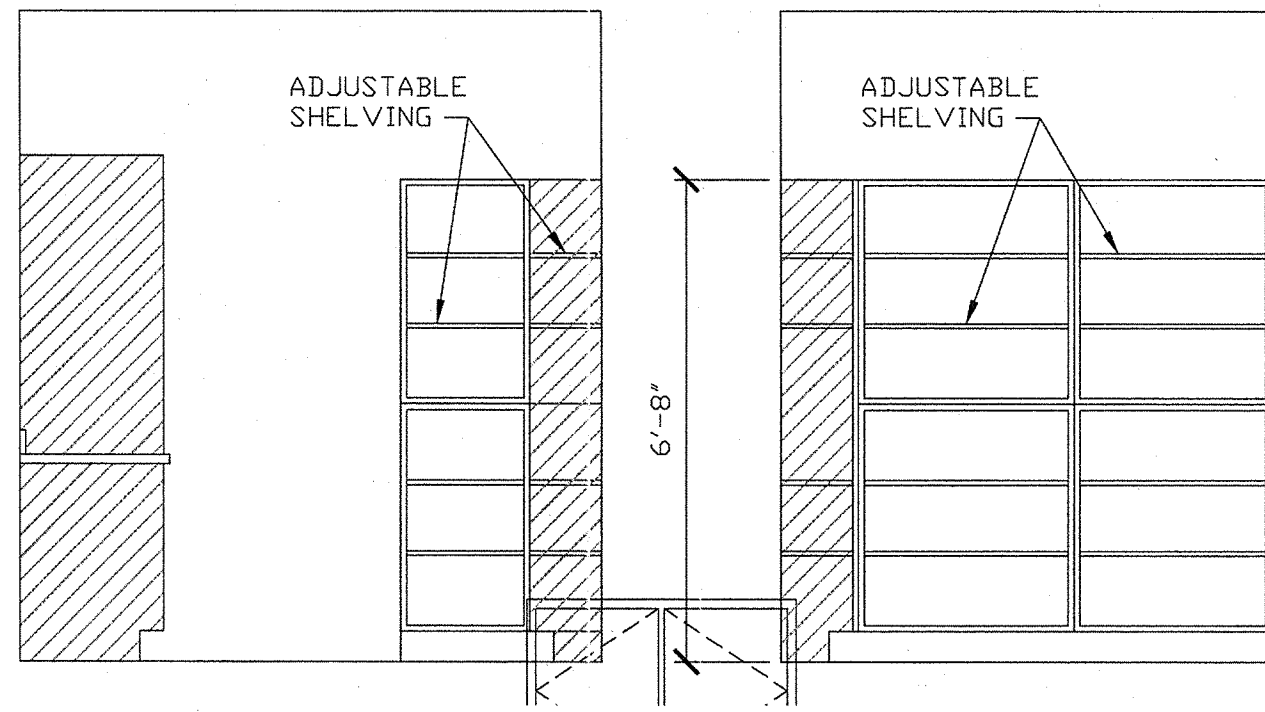
MODEL: DENTAL OFFICE
DESCRIPTION: GENERAL NOTES
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S, PC
CITY/STATE: JOPLIN, MO

SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K.H. GIRARDIN

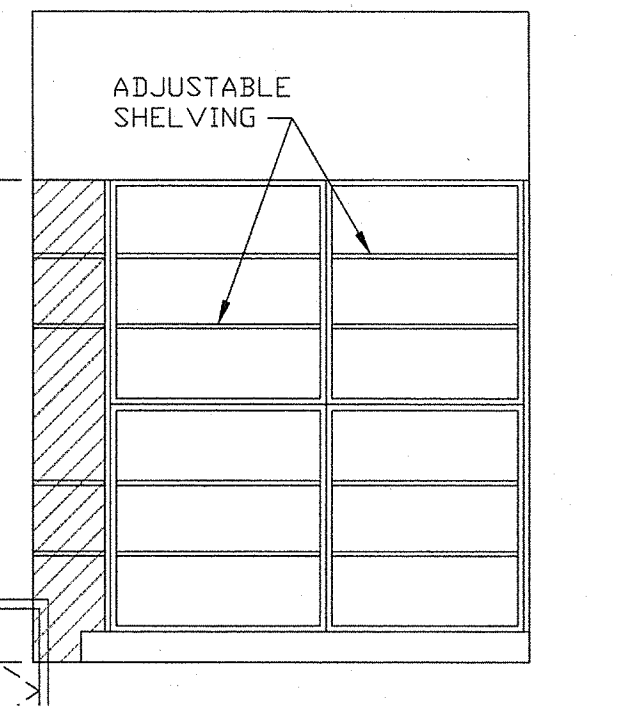
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OF SHEETS: 18



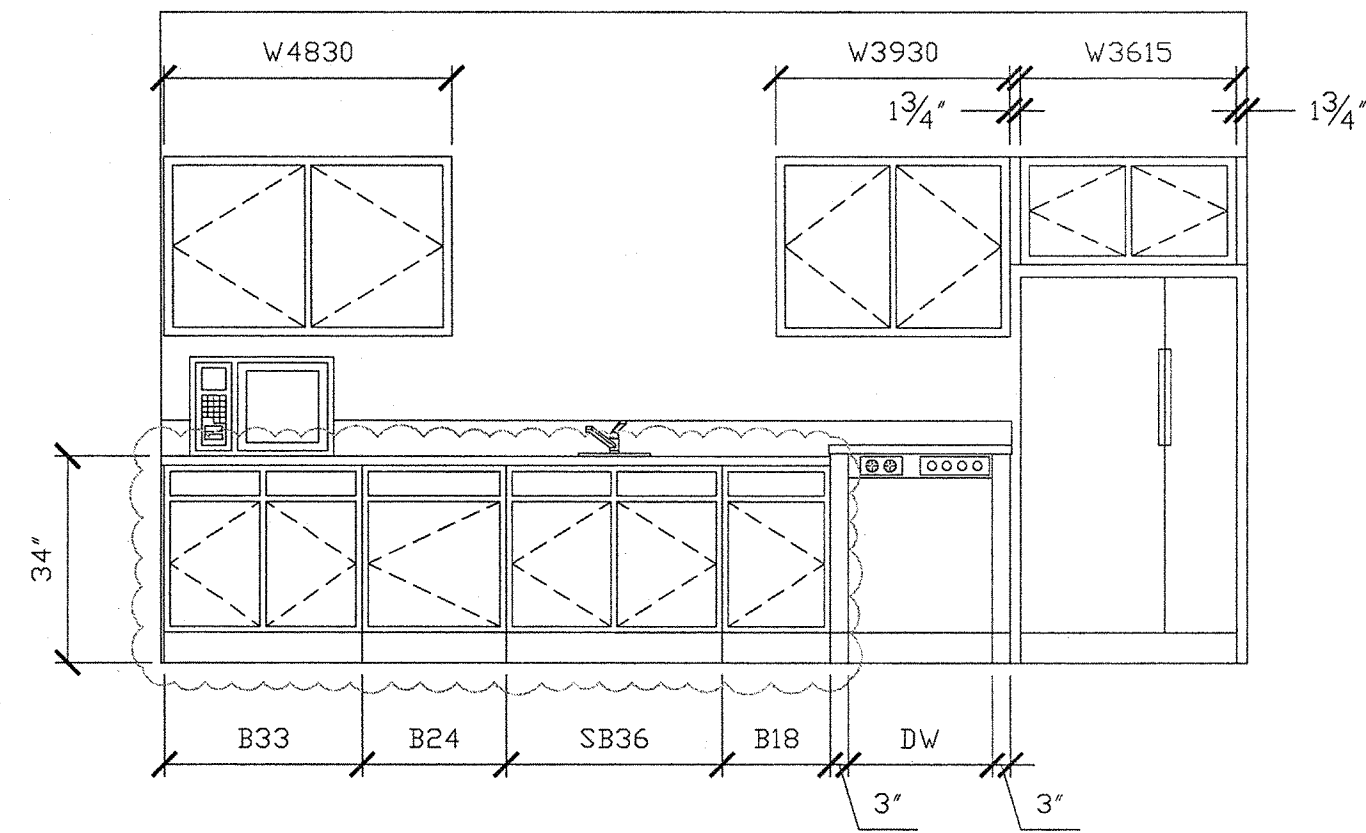
1 STER. AREA
SCALE: 3/8"=1'-0"



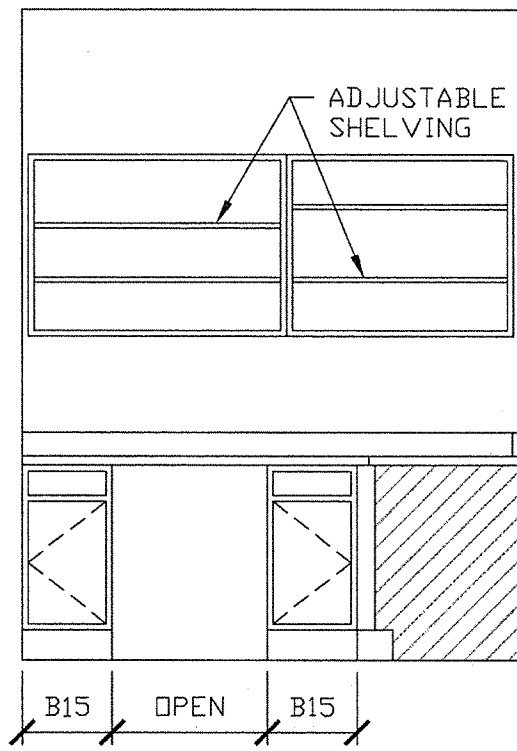
2 STER. AREA
SCALE: 3/8"=1'-0"



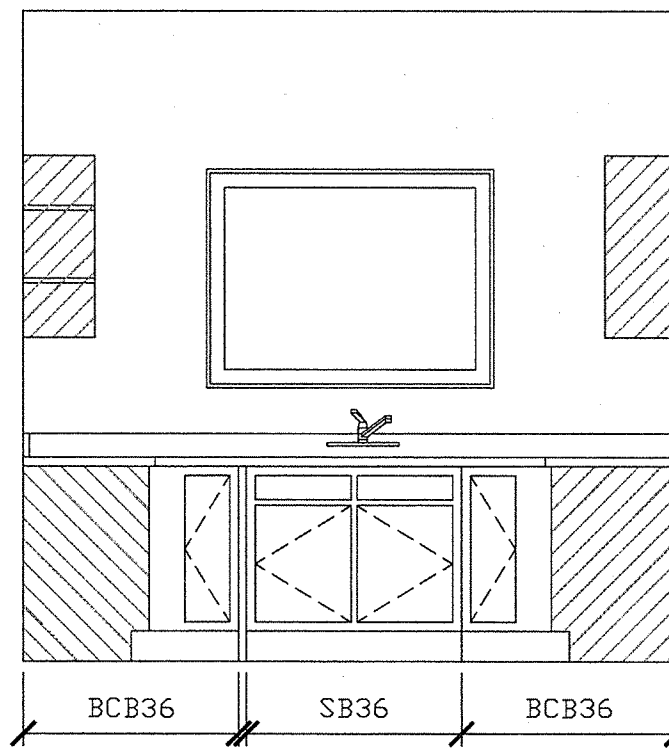
3 STER. AREA
SCALE: 3/8"=1'-0"



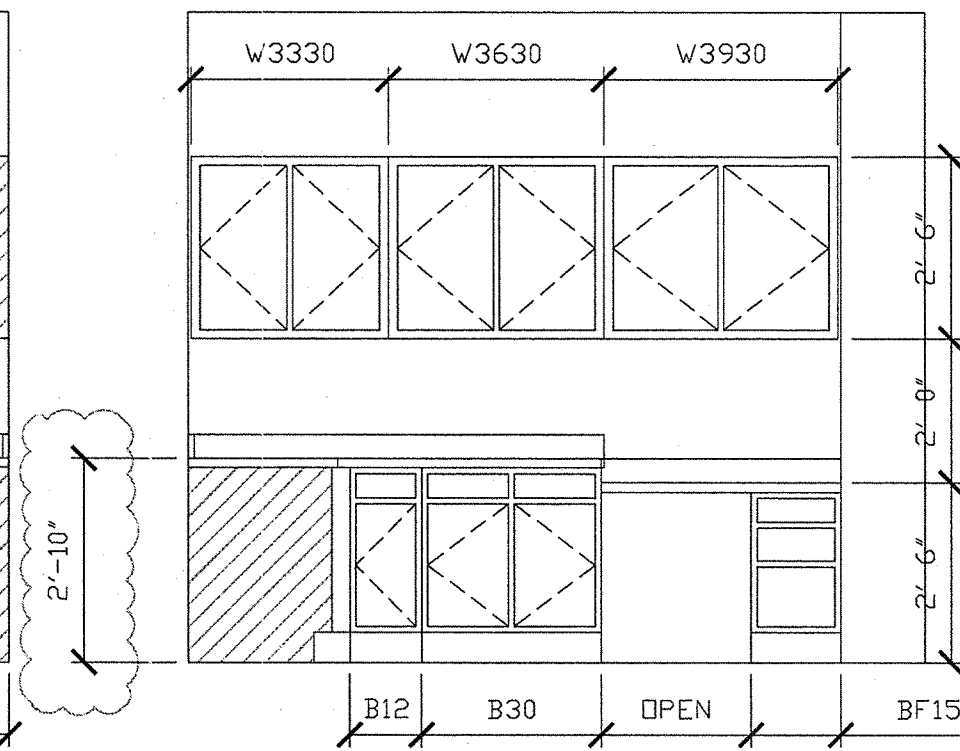
4 EMPLOYEE AREA
SCALE: 3/8"=1'-0"



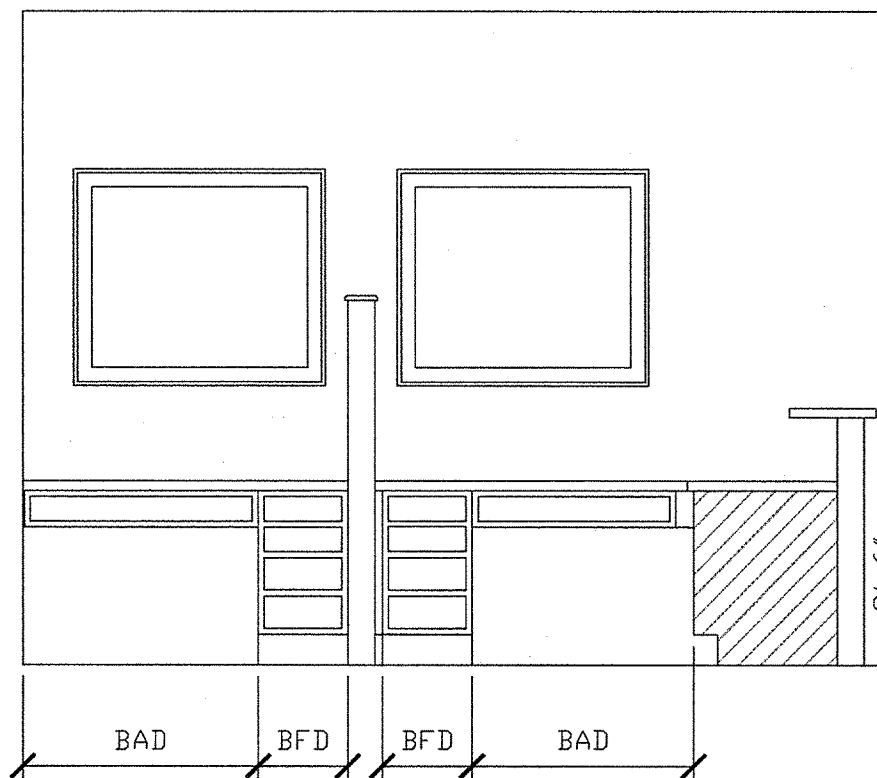
5 LAB AREA
SCALE: 3/8"=1'-0"



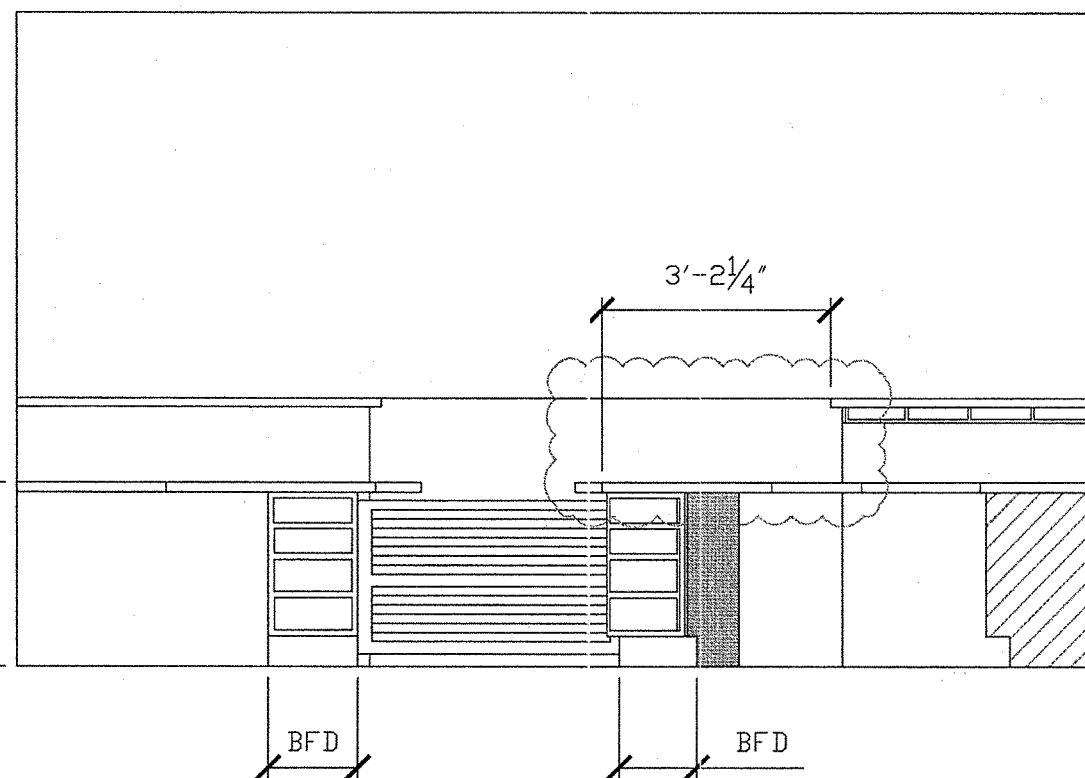
6 LAB AREA
SCALE: 3/8"=1'-0"



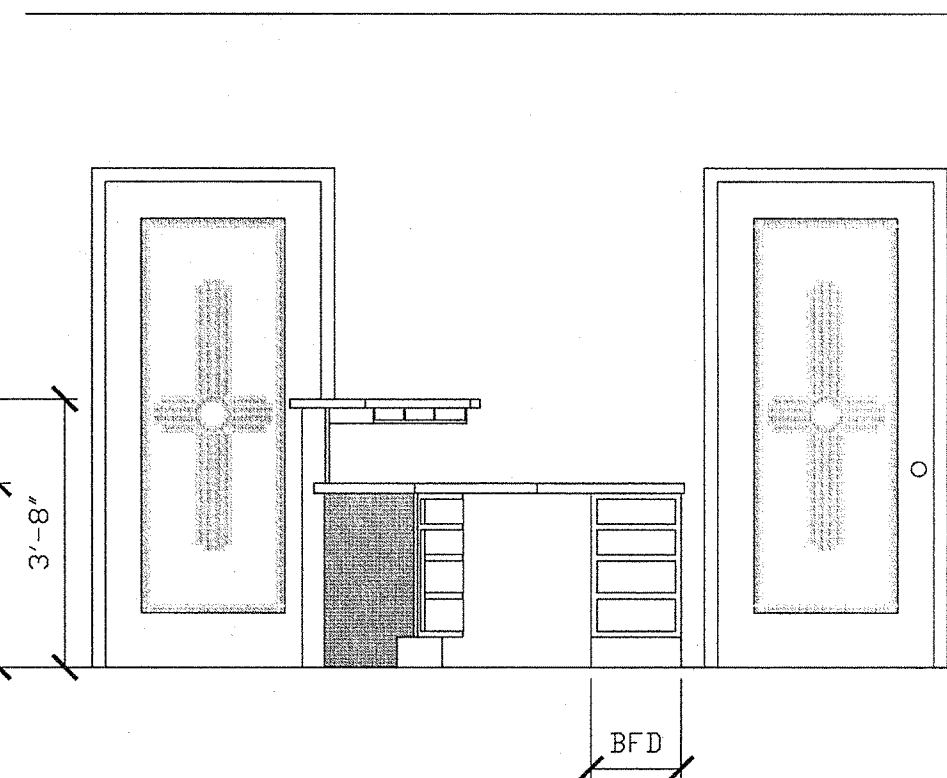
7 LAB AREA
SCALE: 3/8"=1'-0"



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



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



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

Contempri Homes
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Pinckneyville, IL 62274
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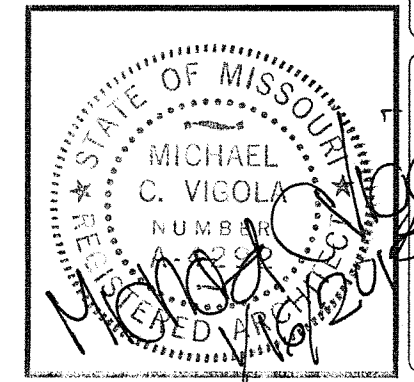
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FILE #:

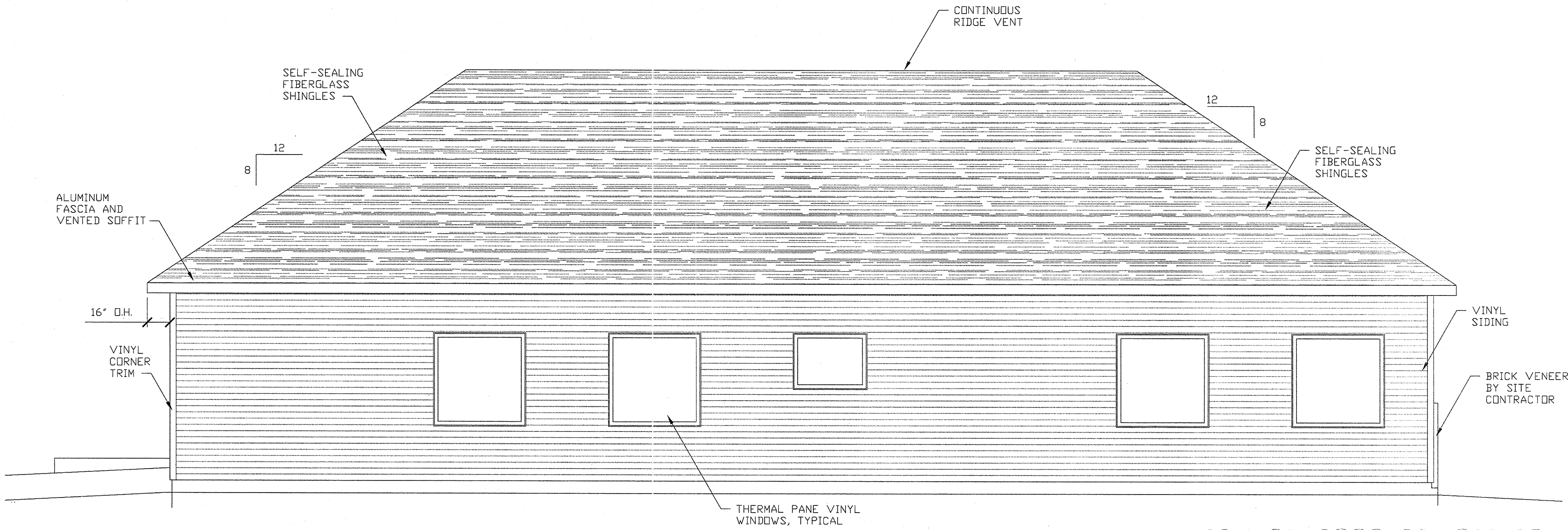
PRODUCTION #:

REVISED DATE: 01/16/12

MODEL: DENTAL OFFICE
DESCRIPTION: INTERIOR ELEVATIONS
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S., PC
CITY/STATE: JOPLIN, MO
SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K.H. GIRARDIN

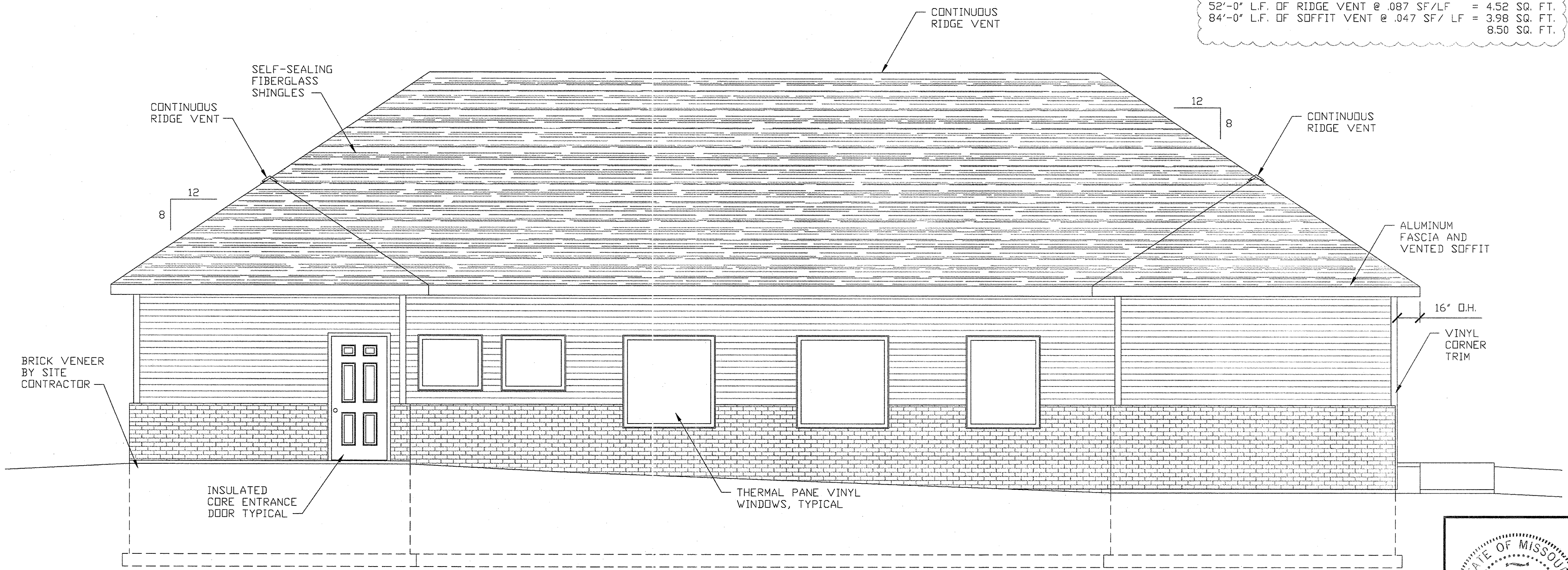


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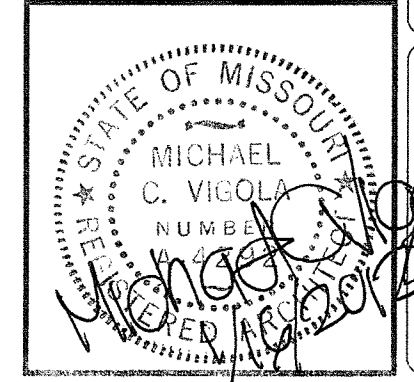


2 SOUTH ELEVATION
SCALE: 1/4"=1'

REQUIRED ATTIC VENTILATION
 $\frac{1}{300} \times 2400$ SQ FT OF ATTIC SPACE = 8.00 SQ. FT.
 ATTIC VENTILATION PROVIDED
 52'-0" L.F. OF RIDGE VENT @ .087 SF/LF = 4.52 SQ. FT.
 84'-0" L.F. OF SOFFIT VENT @ .047 SF/ LF = 3.98 SQ. FT.
 8.50 SQ. FT.



1 NORTH ELEVATION
SCALE: 1/4"=1'



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 Pinckneyville, IL 62774
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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

MODEL: DENTAL OFFICE
 DESCRIPTION: ELEVATIONS
 BUILDER: SHERWOOD FOREST
 SCALE: AS NOTED
 CUSTOMER: A. BERNAD SHORT D.D.S., PC
 DATE: NOV. 21, 2011
 CITY/STATE: JOPLIN, MO
 DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE
 DESCRIPTION: ELEVATIONS
 BUILDER: SHERWOOD FOREST
 SCALE: AS NOTED
 CUSTOMER: A. BERNAD SHORT D.D.S., PC
 DATE: NOV. 21, 2011
 CITY/STATE: JOPLIN, MO
 DRAWN BY: K.H. GIRARDIN

SHEET NO: 6
 OF 18 SHEETS:

PRELIMINARY #:

FILE #:

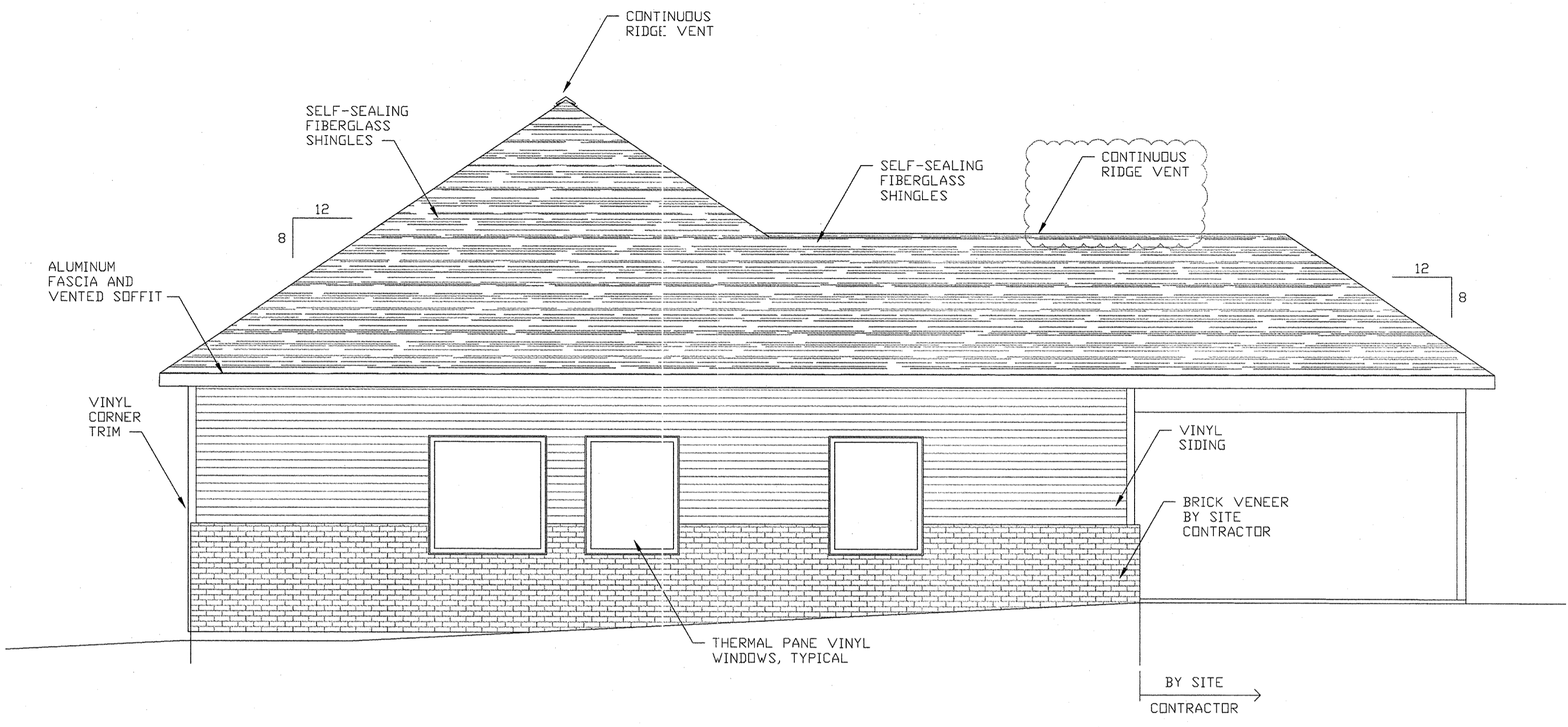
PRODUCTION #:

REVISED DATE:
01/16/12

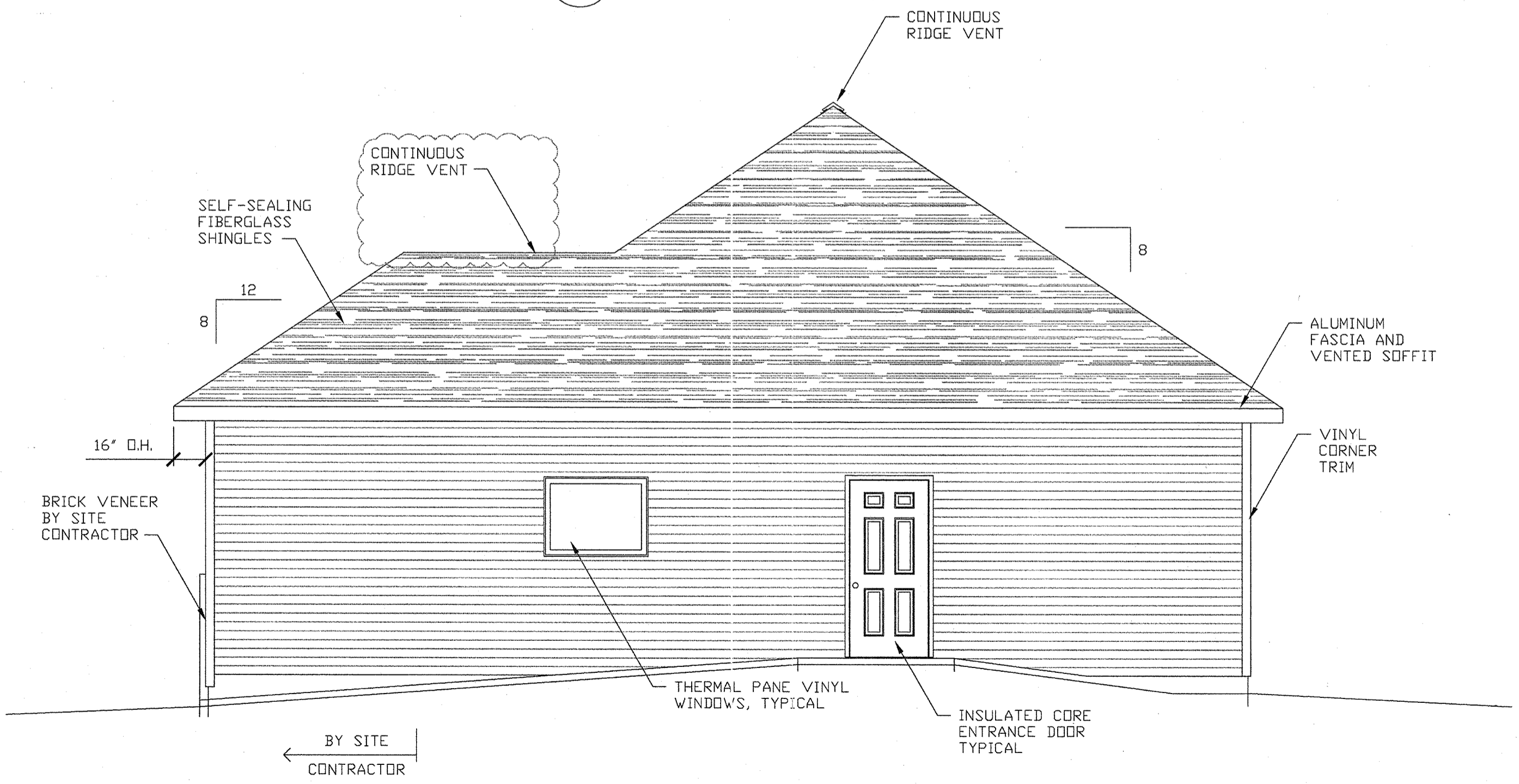
MODEL: DENTAL OFFICE
DESCRIPTION: EXTERIOR ELEVATIONS
BUILDER: SHERWOOD FOREST
SCALE: AS NOTED
CUSTOMER: A. BERNAD SHORT D.D.S., PC
DATE: NOV. 21, 2011
CITY/STATE: JOPLIN, MO
DRAWN BY: K.H. GIRARDIN

REVISIONS:

SHEET NO:
7
OF SHEETS:
8

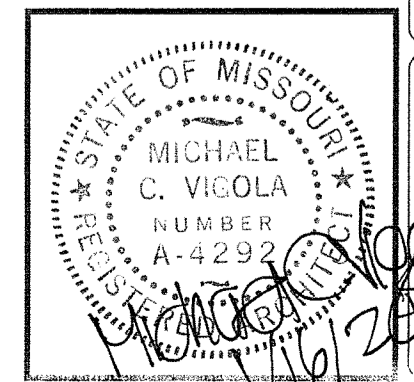


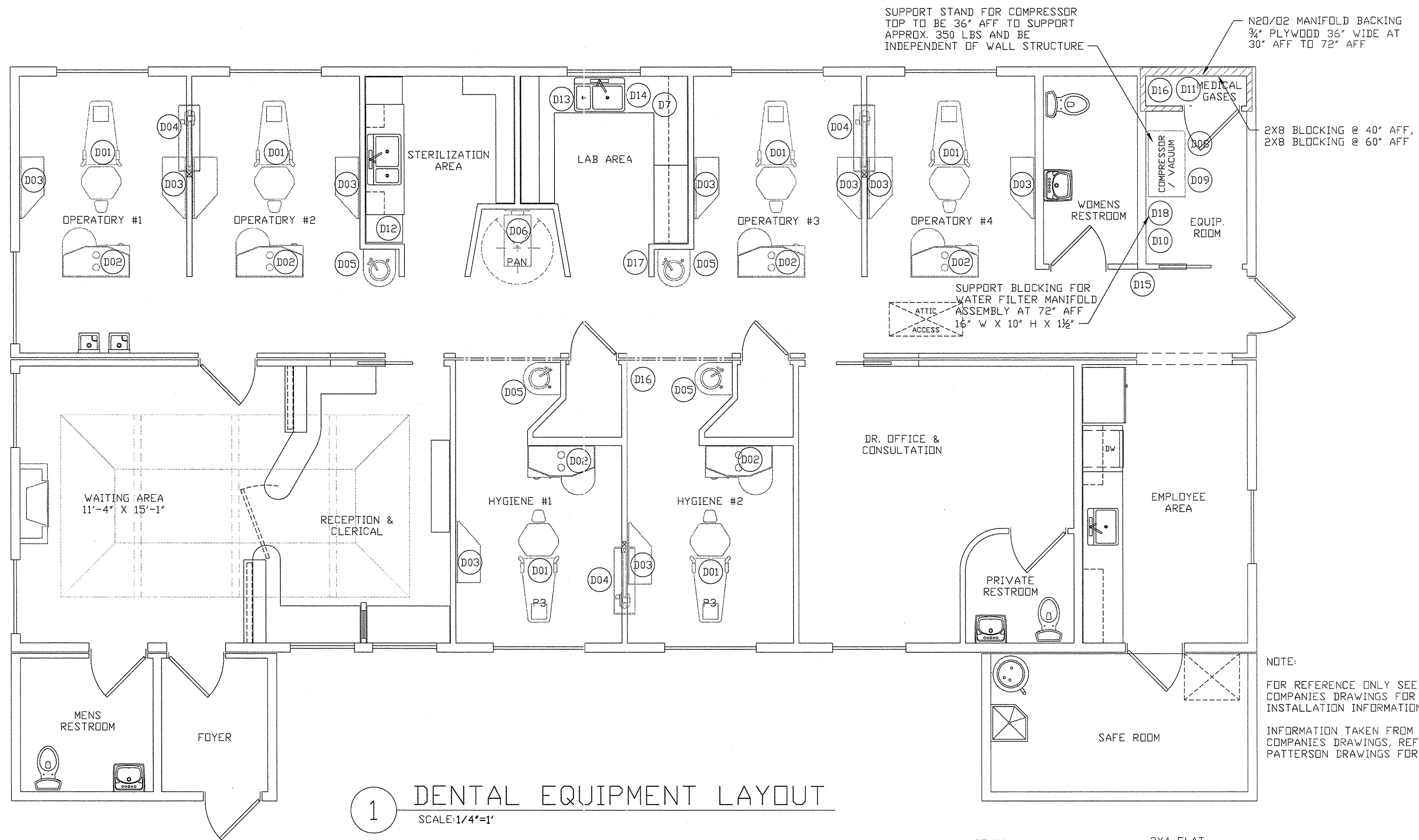
2 EAST ELEVATION
SCALE: 1/4"=1'



1 WEST ELEVATION
SCALE: 1/4"=1'

CONTEMPRI HOMES PROVIDES ONLY PRE-ENGINEERED BUILDING COMPONENTS FOR FINAL ERECTION AND COMPLETION BY AN ON SITE CONTRACTOR AND ASSUMES NO RESPONSIBILITY FOR THE CONSTRUCTION OF:
THE FOUNDATION SYSTEM (INCLUDING) FOOTINGS, WALLS, PIERS, BEAMS, COLUMNS, LINTEL OR ETC.) ATTACHED PORCHES, AND ALTERATIONS OR ADDITIONS TO THE FACTORY BUILT COMPONENTS.

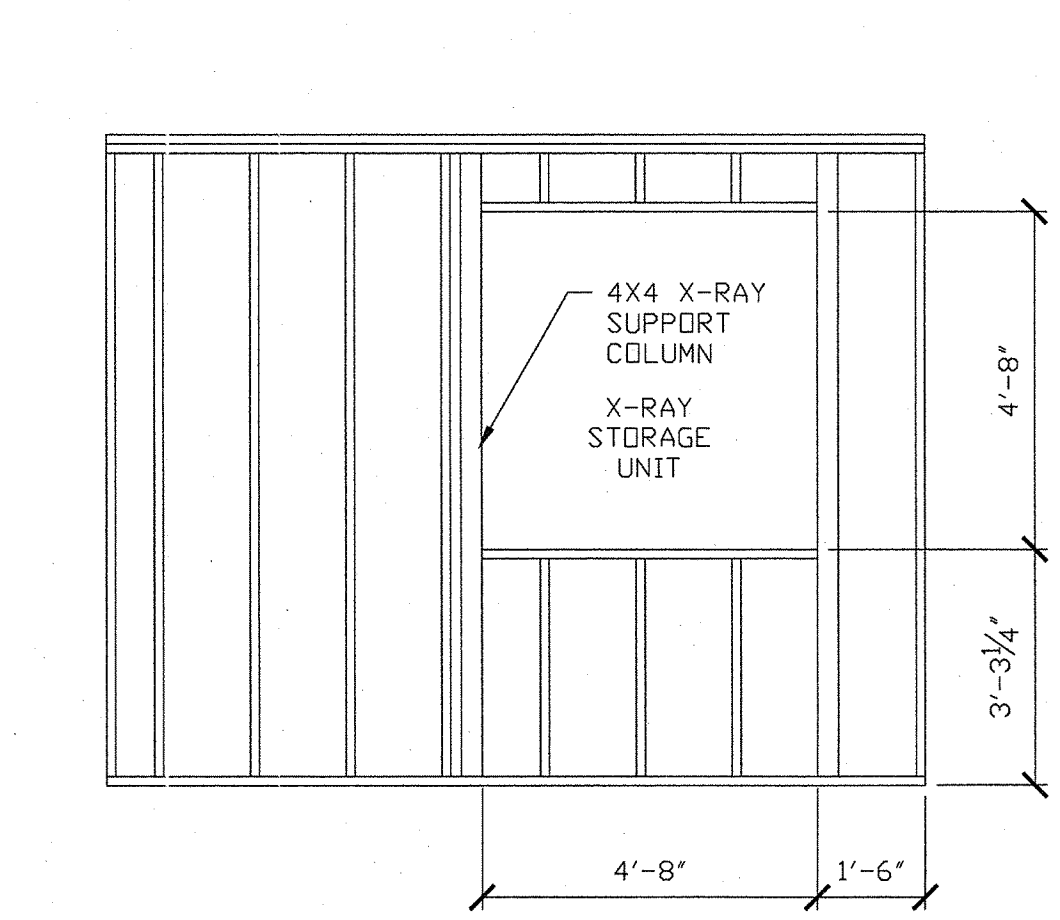




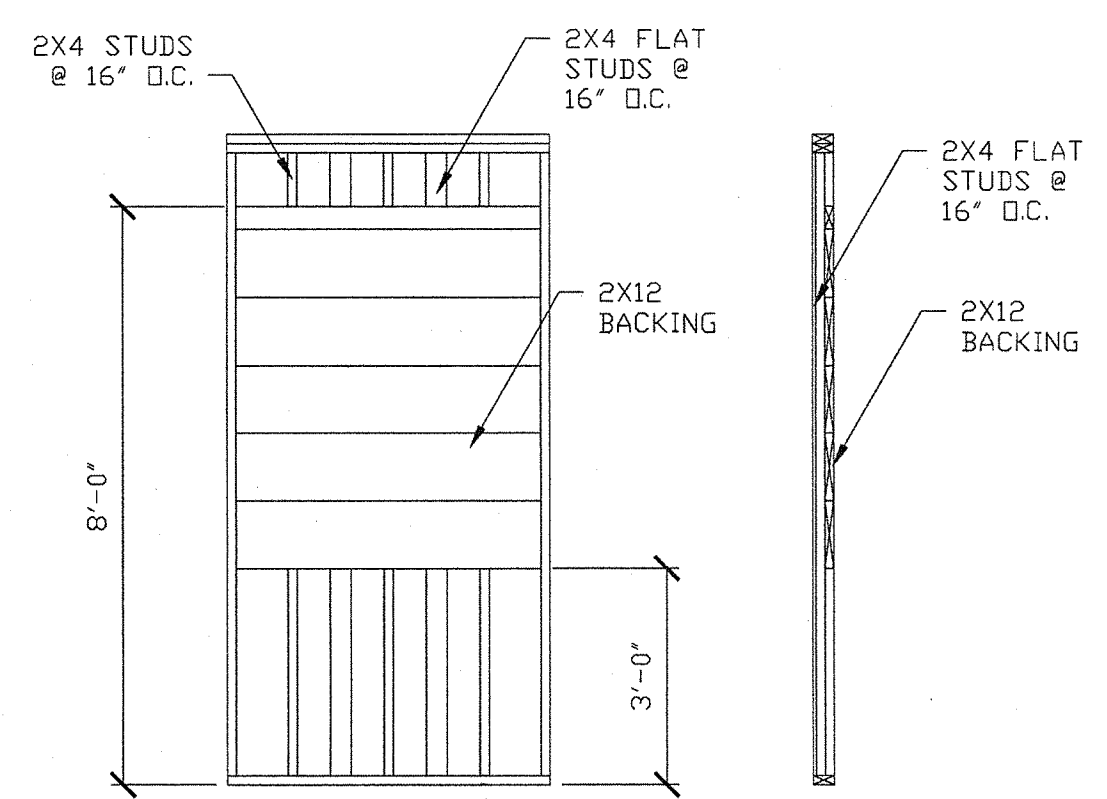
1 DENTAL EQUIPMENT LAYOUT
SCALE: 1/4"=1'

NOTE:
FOR REFERENCE ONLY SEE PATTERSON COMPANIES DRAWINGS FOR COMPLETE INSTALLATION INFORMATION.
INFORMATION TAKEN FROM PATTERSON COMPANIES DRAWINGS, REFERENCE PATTERSON DRAWINGS FOR MORE DETAILS.

EQUIPMENT SCHEDULE		
EQUIPMENT NUMBER	DESCRIPTION	COMMENTS
D01	DENTAL CHAIR	
D02	OPERATORY REAR CABINETY	PROVIDED BY DOCTOR FROM PATTERSON
D03	OPERATORY SIDE CABINETY	PROVIDED BY DOCTOR FROM PATTERSON
D04	X-RAY HEAD	PROVIDED BY PATTERSON DENTAL
D05	TREATMENT ROOM SINK CABINET	PROVIDED BY PATTERSON DENTAL
D06	PANORAMIC X-RAY	PROVIDED BY PATTERSON DENTAL
D07	MODEL TRIMMER	PROVIDED BY DOCTOR
D08	CENTRAL VACUUM PUMP	PROVIDED BY DOCTOR
D09	AIR COMPRESSOR	PROVIDED BY DOCTOR
D10	WATER FILTER MANIFOLD ASSEMBLY	PROVIDED BY PATTERSON DENTAL
D11	N2O/O2 CENTRAL SYSTEM	PROVIDED BY DOCTOR
D12	STERILIZATION SINK	PROVIDED BY CONTEMPRI HOMES
D13	LABORATORY SINK	PROVIDED BY CONTEMPRI HOMES
D14	PLASTER TRAP	PROVIDED BY DOCTOR
D15	MASTER CONTROL PANEL	PROVIDED BY PATTERSON DENTAL
D16	N2O/O2 ALARM SYSTEM	PROVIDED BY DOCTOR
D17	N2O/O2 MASTER ZONE VALVE	PROVIDED BY DOCTOR
D18	WATER FILTER BY-PASS	PROVIDED BY PATTERSON DENTAL



2 X-RAY STORAGE UNIT
SCALE: 3/8"=1'



3 PANORAMIC X-RAY BACKING
SCALE: 3/8"=1'

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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE
DESCRIPTION: DENTAL EQUIPMENT LAYOUT
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S., P.C.
CITY/STATE: JOPLIN, MO

SHEET NO:
18 OF SHEETS:

ELECTRICAL:

SERVICE ENTRANCE EQUIPMENT

- LOAD CENTER: 1 PHASE (Φ), 3 WIRE, 120/240V 10,000A INSULATED / BONDABLE NEUTRAL
- MAIN BREAKER : 300 AMP
- SERVICE FEEDER SHALL PROVIDED BY SITE CONTRACTOR PER NEC TABLE 310.16. CONDUCTOR TYPE: COPPER
- EQUIPMENT GROUNDING SHALL BE PER NEC ARTICLE 250 BY SITE CONTRACTOR
- TESTING PROCEEDURER PER NEC ARTICLE 550.17.

BRANCH CIRCUITS

- OVERCURRENT PROTECTION; 120/240 V OR 240 V AC, PER PANEL SCHEDULE
- WIRING METHOD:
 - NM CABLE W/ GROUND PER NEC ARTICLE 550.15
 - AC CABLE W/ GROUND PER NEC ARTICLE 517.13
 - CONDUCTOR TYPE: COPPER
- WIRE SIZE
 - 12-2 GENERAL LIGHTING AND RECEPTACLES
 - 12-3 THREE (3) WAY SWITCHES
 - 10-2 WATER HEATER
 - HEATING, COOLING, AND SPECIALIZED EQUIPMENT SHALL BE PER MANUFACTURERS SPECIFICATIONS
- RECESSED LIGHT FIXTURES SHALL BE MARKED IC RATED
- ELECTRICAL BOXES SHALL BE SIZED PER NEC ARTICLE 314.16
- PATIENT CARE RECEPTACLES SHALL BE PER NEC ARTICLE 517.16
- GROUNDING OF RECEPTACLES AND FIXED EQUIPMENT IN PATIENT CARE AREAS SHALL BE PER NEC ARTICLE 517.13
- MANUFACTURED BUILDINGS SHALL BE PER NEC ARTICLE 545.

MECHANICAL:

GENERAL

- INSTALLATION OF APPLIANCES SHALL BE PER IMC SEC 304
- APPLIANCES SHALL BE LOCATED PER IMC SEC 303
- CLEARANCE TO APPLIANCES SHALL BE PER PROVIDED PER IMC SEC 304.9
- APPLIANCES SHALL BE VENTED TO THE OUTSIDE PER IMC
- APPLIANCE VENT TERMINATION SHALL BE PER IMC SEC 804.
- APPLIANCE VENTING SHALL BE SIZED PER IMC
- VENT CONNECTORS SHALL BE PER IMC SEC 803
- AUXILIARY DRAIN PAN SHALL BE PROVIDED PER IPC SEC 314.2.3

EXHAUST SYSTEMS

- MECHANICAL VENTILATION SHALL BE PROVIDED PER IMC SEC 403
- RESTROOMS SHALL BE VENTILATED PER IMC TABLE 403.3

DUCT SYSTEMS

- DUCT SYSTEMS SERVING HEATING, COOLING AND VENTILATION EQUIPMENT SHALL BE PER IMC SEC 603
 - 26 GA. GALVINIZED RECTANGLE DUCT
 - 6" Ø GALVINIZED METAL DUCT
 - 6" Ø FACTORY MADE AIR DUCTS
- GALVINIZED METAL DUCT SHALL BE SUPPORTED PER IMC SEC 603.10
- GALVINIZED METAL DUCT SHALL BE INSULATED PER IMC SEC 604 (R-5).
- RETURN AIR DUCTING SHALL BE PER PER IMC SEC 603.10

COMBUSTION AIR

- COMBUSTION AIR SHALL BE PROVIDED PER IMC SEC 701.
- COMBUSTION AIR SHALL BE SUPPLIED PER IMC SEC 701.
- COMBUSTION AIR OPENINGS SHALL BE TERMINATED IN THE ATTIC SPACE PER IMC
- COMBUSTION AIR SHALL COMPLY WITH IMC

FUEL GAS

- APPLIANCES SHALL BE CONNECTED TO THE FUEL GAS PIPING PER IFGC
- THE FUEL GAS SYSTEM SHALL BE A DESIGN / BUILD BY THE SITE CONTRACTOR.

PLUMBING:

GENERAL

- DWV SYSTEMS ROUGH IN AND FINISHED PLUMBING SHALL BE TESTED PER IPC 312.3
- WATER SUPPLY SYSTEM SHALL BE TESTED PER IPC 312.5
- PIPING IN CONCEALED LOCATIONS, INSTALLED THROUGH FRAMING MEMBERS SHALL BE PROTECTED BY SHIELD PLATES WHEN LESS THAN 1½" FROM MEMBER EDGE.
- PIPING SHALL BE SUPPORTED PER IPC 308
- A WATER TIGHT PAN SHALL BE INSTALLED BENEATH THE WATER HEATER WHEN IT IS INSTALLED WHERE DAMAGE MAY RESULT FROM LEAKAGE PER IPC 504.7

WATER SUPPLY

- WATER SUPPLY AND BRANCH PIPING SHALL BE PEX PIPING UNLESS NOTED OTHERWISE.
- THE WATER SUPPLY SHALL BE PROTECTED FROM CONTAMINATION PER IPC 608
- WATER SUPPLY MAINS, BRANCHS, AND RISERS SHALL BE SIZED PER IPC 604 (PRESSURE RANGE - 40 TO 49 PSI)
 - MINIMUM WATER SERVICE SHALL BE ¾"
 - MINIMUM BRANCH MAINS SHALL BE ¾"
 - BRANCH MAINS SHALL BE ½" WITH LESS THAN 3 FIXTURES UNITS
- SHUT OFF VALVES SHALL BE PROVIDED AT EACH PLUMBING FIXTURE PER IPC 606.2.
- WATER SUPPLY PIPING SHALL BE INSULATED PER IPC SEC 607.2.

- TEMPERATURE LIMITING DEVICES SHALL BE INSTALLED AT LAVATORIES AND SINKS PER IPC SEC. 607.1.
- EXTERIOR HOSE BIBBS SHALL BE FROST PROOF PER IPC SEC 608.15.4.2.
- WATER HAMMER ARRESTORS SHALL BE INSTALLED ON QUICK CLOSING VALVES PER IPC 604.9.
- THERMAL EXPANSION CONTROL SHALL BE PROVIDED PER IPC 607.3

DRAIN, WASTE, AND VENT

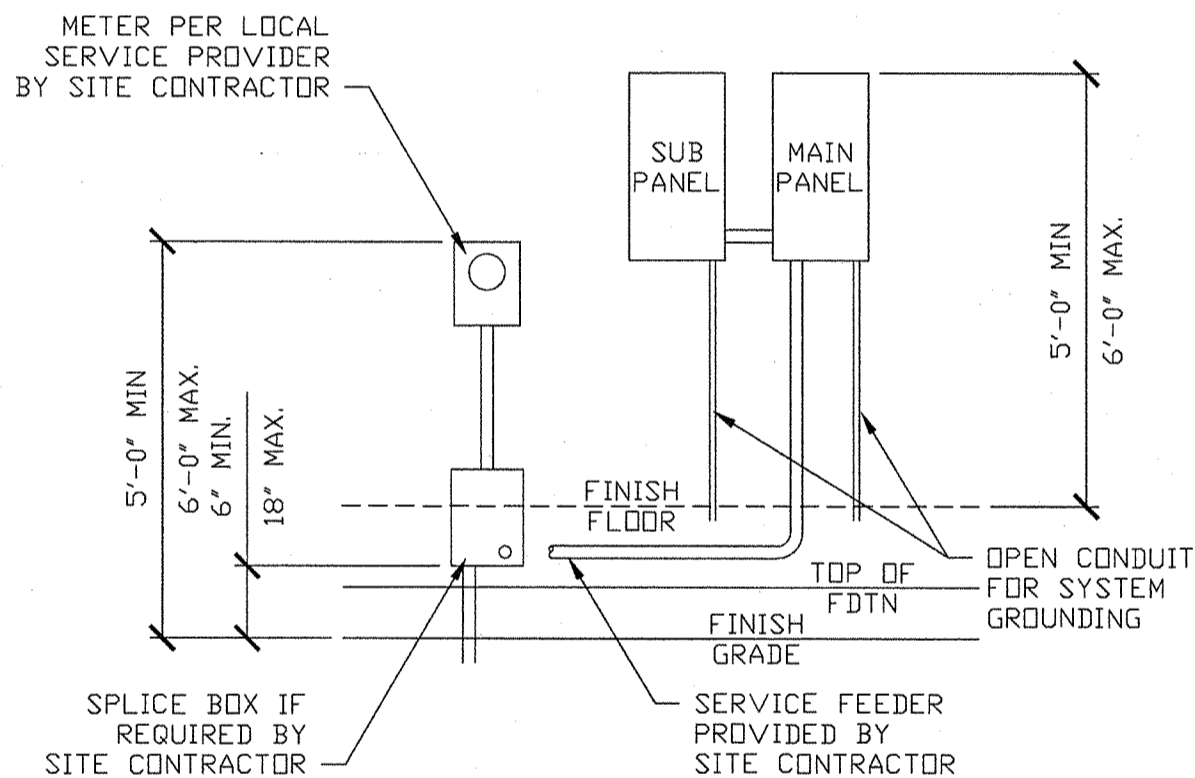
- DRAIN, WASTE, AND VENT (DWV) PIPING SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE
- PVC PIPING SHALL BE SUPPORTED PER IRC TABLE 308.5 48" MAXIMUM HORIZONTAL SPACING
- CHANGE IN DIRECTION IN THE DRAINAGE PIPING SHALL BE PER IPC 706
 - VERTICAL TO HORIZONTAL, LONG SWEEP FITTING
 - HORIZONTAL TO HORIZONTAL, LONG SWEEP FITTING
- DRAINAGE PIPING CLEANOUTS SHALL BE PROVIDED PER IPC 706
- STAND PIPES SHALL BE A MINIMUM 18" AND A MAXIMUM OF 42" ABOVE THE TRAP PER IPC 802.4
- OPEN VENT PIPES THAT EXTEND THROUGH THE ROOF SHALL TERMINATE 12" MIN. ABOVE THE ROOF.
- VENTS SHALL BE SIZED PER IPC 908 MINIMUM VENT THROUGH THE ROOF SHALL BE ONE HALF THE REQUIRED BUILDING SEWER
- VENTS THROUGH THE ROOF SUBJECT TO FROST CLOSURE SHALL BE A MINIMUM OF 3", VENTS LESS THAN 3" SHALL BE INCREASED IN SIZE A MINIMUM OF 12" BELOW THE ROOF PER IPC SEC 904.2.
- MAXIMUM DISTANCE OF FIXTURE TRAP FROM VENT SHALL BE PER IPC TABLE 906.1.
- PVC PIPING SHALL BE PROTECTED FROM UV EXPOSURE.

HEALTH CARE

- HEALTH CARE FIXTURES AND EQUIPMENT SHALL BE PER IPC SEC 422
- HEALTH CARE WATER SUPPLY SHALL BE PER IPC SEC 609
- HEALTH CARE SANITARY DRAINAGE SHALL BE PER IPC SEC 713
- MEDICAL GAS SHALL BE PER NFPA 99C

SITE CONTRACTOR'S RESPONSIBILITY

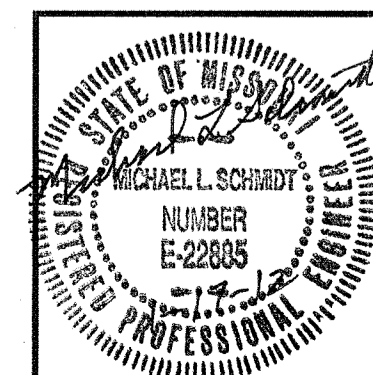
- FULL OPEN VALVE SHALL BE PROVIDED AT THE WATER SERVICE ENTRANCE PER IPC 606.
- BUILDING SEWER FROM THE ENTRANCE TO THE POINT OF TERMINATION BY CONTEMPRI HOMES.
- VENTS SHALL BE GATHERED IN THE ATTIC AND/OR EXTENDED THROUGH THE ROOF WITH A MINIMUM SIZE PER IPC TABLE 916.1 VENT PIPING SIZE.



1 SERVICE RISER
SCALE: N.T.S.

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE		EMERGENCY LIGHT
	GFCI DUPLEX RECEPTACLE		CONDENSING UNIT
	GFCI DUPLEX RECEPTACLE (WATER PROOF)		(3) CONDUCTOR WIRE
	SPLIT DUPLEX RECEPTACLE		DISCONNECT
	SWITCH		HOME RUN
	3-WAY SWITCH		THERMOSTAT
	CEILING MOUNT FIXTURE		CABLE JACK
	WALL MOUNT FIXTURE		TELEPHONE JACK
	KEYLESS FIXTURE		JUNCTION BOX
	EXHAUST FAN		AIR CONNECTION
	(2) TUBE FLOURESENT FIXTURE		COMPUTER CONNECTION (SEE NOTE #11)
	EXIT LIGHT		WATER CONNECTION
			VACUUM CONNECTION

DWV FITTING LEGEND	
LABEL	DESCRIPTION
(A)	1½" 90° ELBOW
(B)	1½" LONG SWEEP 90° ELBOW
(C)	1½" ½ BEND
(D)	1½" 45° WYE
(E)	1½" SANITARY TEE
(F)	1½" LONG SWEEP TEE WYE (LTTY)
(G)	1½" P-TRAP
(H)	2" 90° ELBOW
(I)	2" LONG SWEEP 90° ELBOW
(J)	2" ½ BEND
(K)	2" 45° WYE
(L)	2" SANITARY TEE
(M)	2" LONG SWEEP TEE WYE (LTTY)
(N)	2" P-TRAP
(O)	3" 90° ELBOW
(P)	3" LONG SWEEP 90° ELBOW
(Q)	3" ½ BEND
(R)	3" 45° WYE
(S)	3" SANITARY TEE
(T)	3" LONG SWEEP TEE WYE (LTTY)
(U)	3"x3"x2" 45° WYE
(V)	4x3" CLOSET BEND



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2493B V Road, Strong City, Kansas 66869 / 815 Graham St., Emporia, Kansas 66801 620-343-0302

PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S, PC
TITLE: M/E/P NOTES

PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 9 OF 18
DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS

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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE:
01/16/12

SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K. H. GIRARDIN

MODEL: DENTAL OFFICE
DESCRIPTION: GENERAL NOTES
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S, PC
CITY/STATE: JOPLIN, MO

SHEET NO:
9
OF SHEETS:
18

PRELIMINARY #:

FILE #:

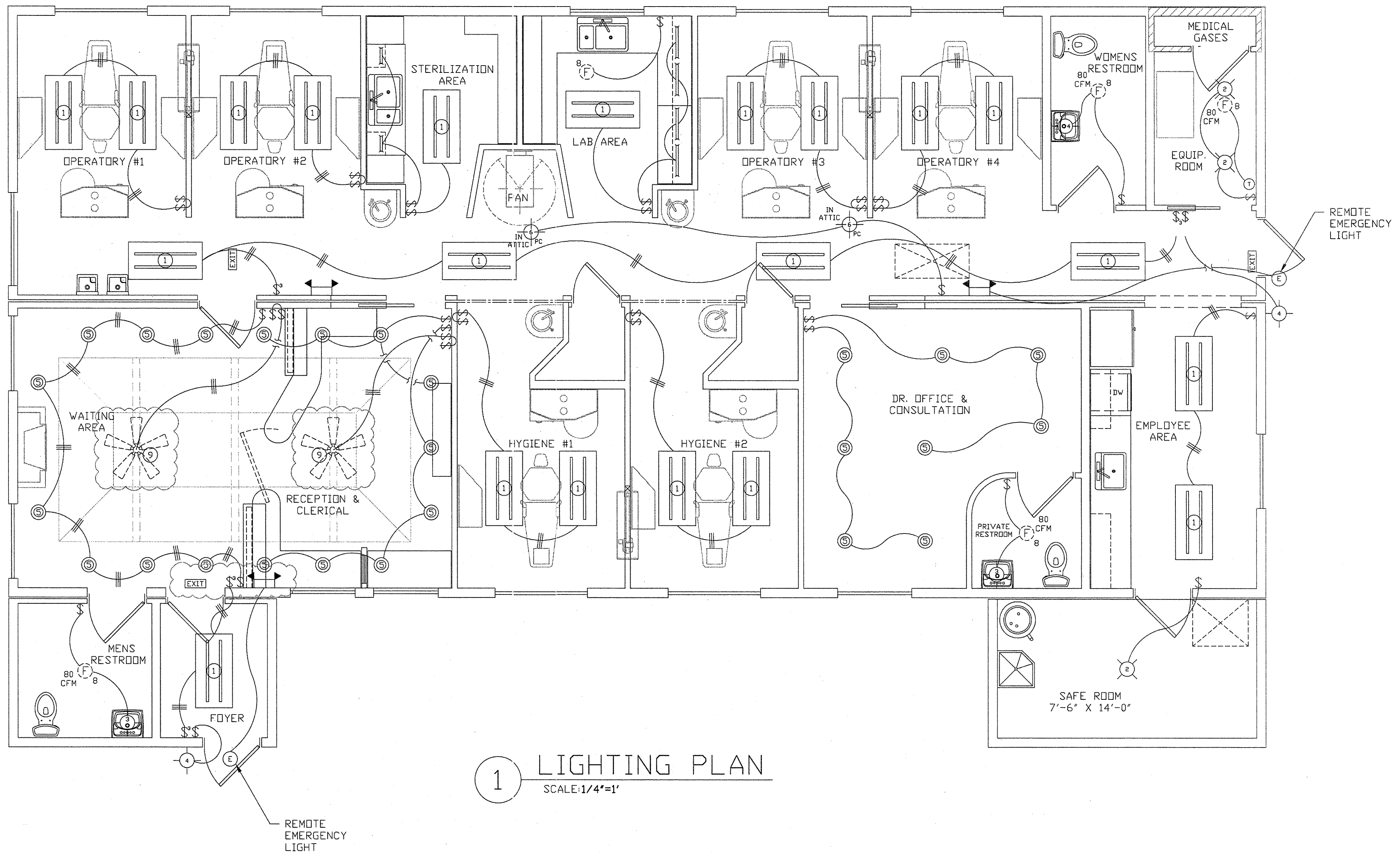
PRODUCTION #:

REVISED DATE:
01/16/12

MODEL: DENTAL OFFICE
DESCRIPTION: LIGHTING PLAN
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S., PC
CITY/STATE: JOPLIN, MO

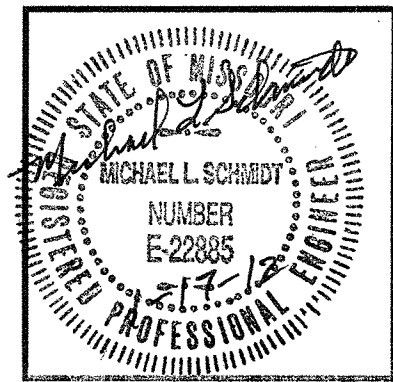
SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K.H. GIRARDIN

SHEET NO:
10
OF SHEETS:
18



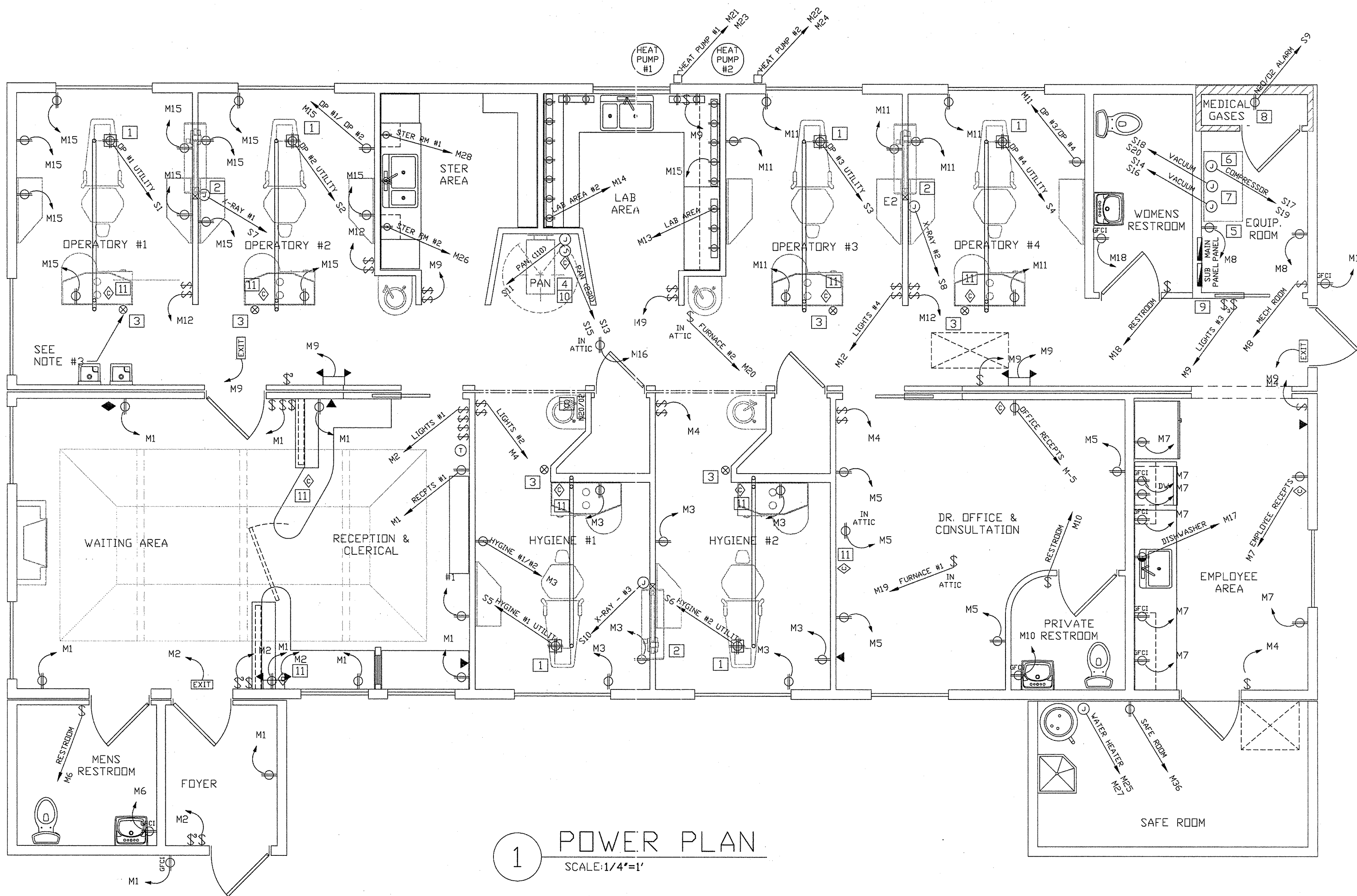
1 LIGHTING PLAN
SCALE: 1/4"=1'

FIXTURE SCHUDEULE	
FIXTURE NUMBER	DESCRIPTION
1	24"x48" (2) TUBE 32W T8 ELECTRONIC BALLAST 120V AS SPECIFIED BY OWNER
2	2 LIGHT FLUSH MOUNT CEILING FIXTURE, W/ SPIRAL 15W COMPACT FLUORESCENT LAMP
3	2 LIGHT BATHROOM LIGHT, W/ SPIRAL 15W COMPACT FLUORESCENT LAMP
4	1 LIGHT OUTDOOR WALL SCNCE, W/ SPIRAL 15W COMPACT FLUORESCENT LAMP
5	6" RECESSED CAN LIGHT, IC RATED, SPIRAL 15W COMPACT FLUORESCENT LAMP
6	MEDIUM BASE ONE PIECE GLAZED PORCELAIN OUTLET BOX MOUNT LAMPHOLDER
7	50 CFM DUCTED EXHAUST FAN
8	80 CFM DUCTED EXHAUST FAN
9	52" 5 BLADE CEILING FAN



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PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
TITLE: LIGHTING PLAN
PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 10 OF 18
DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS



DENTAL EQUIPMENT NOTES:

1. DENTAL UTILITY:
115V 10A (15A) QUAD RECEPT FLOOR MOUNTED.
 2. X-RAY HEAD:
110V 20A DEDICATED CIRCUIT
 3. X-RAY REMOTE EXPOSURE BUTTON:
2X4 BOX (60" AFF) W/ (6) CONDUCTOR PHONE WIRE TO BOX AT X-RAY HEAD (39" AFF)
 4. PANORAMIC X-RAY:
2X4 BOX 110V 20A DEDICATED CIRCUIT (18" AFF)
2X4 BOX 220V 20A DEDICATED CIRCUIT
2X4 BOX WITH CATS (RJ45 CABLE)
 5. WATER FILTER MANIFOLD ASSEMBLY / WATER SOLENOID VALVE:
120V 20A RECEPT @ 54" AFF, 18-3 AWG 24V WIRE TO MASTER CONTROL PANEL
 6. AIR COMPRESSOR:
220V 20A DEDICATED CIRCUIT
115/230V 115V MIN/MAX 105/125 230V MIN/MAX, 18-3 AWG 24V WIRE TO MASTER CONTROL PANEL
 7. VACUUM PUMP (DUAL):
(2) 220V 20A DEDICATED CIRCUIT
115/230V 115V MIN/MAX 105/125 230V MIN/MAX, (2) 18-3 AWG 24V TO MASTER CONTROL PANEL
 8. N2O/O2 ALARM SYSTEM:
110V 10A RECEPT AT 74" AFF
(3) #18 WIRES TO SENTINAL (60" AFF) RUN CABLE SUPPLIED BY MANUFACTURER FROM SENTINAL TO MANIFOLD IN GAS CLOSET
 9. MASTER CONTROL PANEL (60" AFF):
RUN (15) #18 WIRES FROM MASTER PANEL TO WATER SOLENOID VALVE, AIR COMPRESSOR, AND VACUUM PUMP
 10. DIGITAL X-RAY CABLE:
3/4" PVC OR METAL CONDUIT WITH PULL STRINGS FROM PANORAMIC TO DIGITAL CENTER. (OPTIONAL: RUN RJ45 CABLE FROM BEHIND PANORAMIC X-RAY TO DIGITAL CENTER)
 11. CATS (RJ45) CABLE LOCATIONS
- EXACT LOCATIONS AND DETAILS SHALL BE VERIFIED BY A PATTERSON REPERSENTATIVE.

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

PANEL SCHEDULE
300 AMP 120/240 v 1 PHASE (ϕ)

CIRCUIT	BREAKER	WIRE SIZE	DESCRIPTION	CIRCUIT	BREAKER	WIRE SIZE	DESCRIPTION
M1	1P20A	12-2 NM	RECEPTS #1	M2	1P20A	12-2 NM	LIGHTS #1
M3	1P20A	12-2 AC	HYGINE #1/#2 RECEPTS	M4	1P20A	12-2 AC	LIGHTS #2
M5	1P20A	12-2 NM	OFFICE RECEPTS	M6	1P20A	12-2 NM	RESTROOM FOYER
M7	1P20A	12-2 NM	EMPLOYEE RECEPTS	M8	1P20A	12-2 NM	MECH. ROOM
M9	1P20A	12-2 NM	LIGHTS #3	M10	1P20A	12-2 NM	RESTROOM OFFICE
M11	1P20A	12-2 AC	DP #3 / DP #4 RECEPTS	M12	1P20A	12-2 AC	LIGHTS #4
M13	1P20A	12-2 NM	LAB AREA #1	M14	1P20A	12-2 NM	LAB AREA #2
M15	1P20A	12-2 AC	DP #1 / DP #2 RECEPTS	M16	1P20A	12-2 NM	RECEPTS #2
M17	1P20A	12-2 NM	DISHWASHER	M18	1P20A	12-2 NM	RESTROOM EQUIP. RM
M19	1P20A	NM12-2	FURNACE #1	M20	1P20A	12-2 NM	FURNACE #2
M21	2P40A	8-3 NM	COND. UNIT #1	M22	2P40A	8-3 NM	COND. UNIT #2
M23			COND. UNIT #1	M24			COND. UNIT #2
M25	2P25A	10-3 NM	WATER HEATER	M26	1P20A	12-2 NM	STER ROOM #1
M27			WATER HEATER	M28	1P20A	12-2 NM	STER ROOM #2
M29			SPARE	M30	1P20A	12-2 NM	SAFE ROOM
M31			SPARE	M32			SPARE
M33			SPARE	M34			SPARE
M35			SPARE	M36			SPARE
M37	2P150A	1/0	SUB PANEL	M38			SPARE
M39			SUB PANEL	M40			SPARE
M41			SPARE	M42			SPARE

SUB PANEL SCHEDULE
150 AMP 120/240 v 1 PHASE (ϕ)

CIRCUIT	BREAKER	WIRE SIZE	DESCRIPTION	CIRCUIT	BREAKER	WIRE SIZE	DESCRIPTION
S1	1P10A	12-2 AC	DP #1 UTILITY	S2	1P10A	12-2 AC	DP #2 UTILITY
S3	1P10A	12-2 AC	DP #3 UTILITY	S4	1P10A	12-2 AC	DP #4 UTILITY
S5	1P10A	12-2 AC	HYGINE #1 UTILITY	S6	1P10A	12-2 AC	HYGINE #2 UTILITY
S7	1P20A	12-2 AC	X-RAY #1	S8	1P20A	12-2 AC	X-RAY #2
S9	1P10A	12-2 NM	N2O/O2 ALARM	S10	1P20A	12-2 AC	X-RAY #3
S11	1P20A	12-2 AC	PANORAMIC	S12			
S13	2P20A	12-3 AC	PANORAMIC	S14	2P20A	12-3 NM	VACUUM #1
S15			PANORAMIC	S16			VACUUM #1
S17	2P20A	12-3 NM	AIR COMPRESSOR	S18	2P20A	12-3 NM	VACUUM #2
S19			AIR COMPRESSOR	S20			VACUUM #2
S21			SPARE	S22			SPARE
S23			SPARE	S24			SPARE
S25			SPARE	S26			SPARE
S27			SPARE	S28			SPARE
S29			SPARE	S30			SPARE
S31			SPARE	S32			SPARE
S33			SPARE	S34			SPARE
S35			SPARE	S36			SPARE
S37			SPARE	S38			SPARE
S39			SPARE	S40			SPARE
S41			SPARE	S42			SPARE

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2938 V Road, Strong City, Kansas 66869 / 815 Canton St, Emporia, Kansas 66801 620-343-0302
PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
TITLE: POWER PLAN
PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 11 OF 18
DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS

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PRELIMINARY #:
FILE #:
PRODUCTION #:
REVISED DATE: 01/16/12
DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE
DESCRIPTION: POWER PLAN
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S., PC
CITY/STATE: JOPLIN, MO

SCALE: AS NOTED
DATE: NOV. 21, 2011
SHEET NO.: 11 OF 18
OF SHEETS: 18

PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

SCALE: AS NOTED

DATE: NOV. 21, 2011

DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE

DESCRIPTION: MECHANICAL PLAN

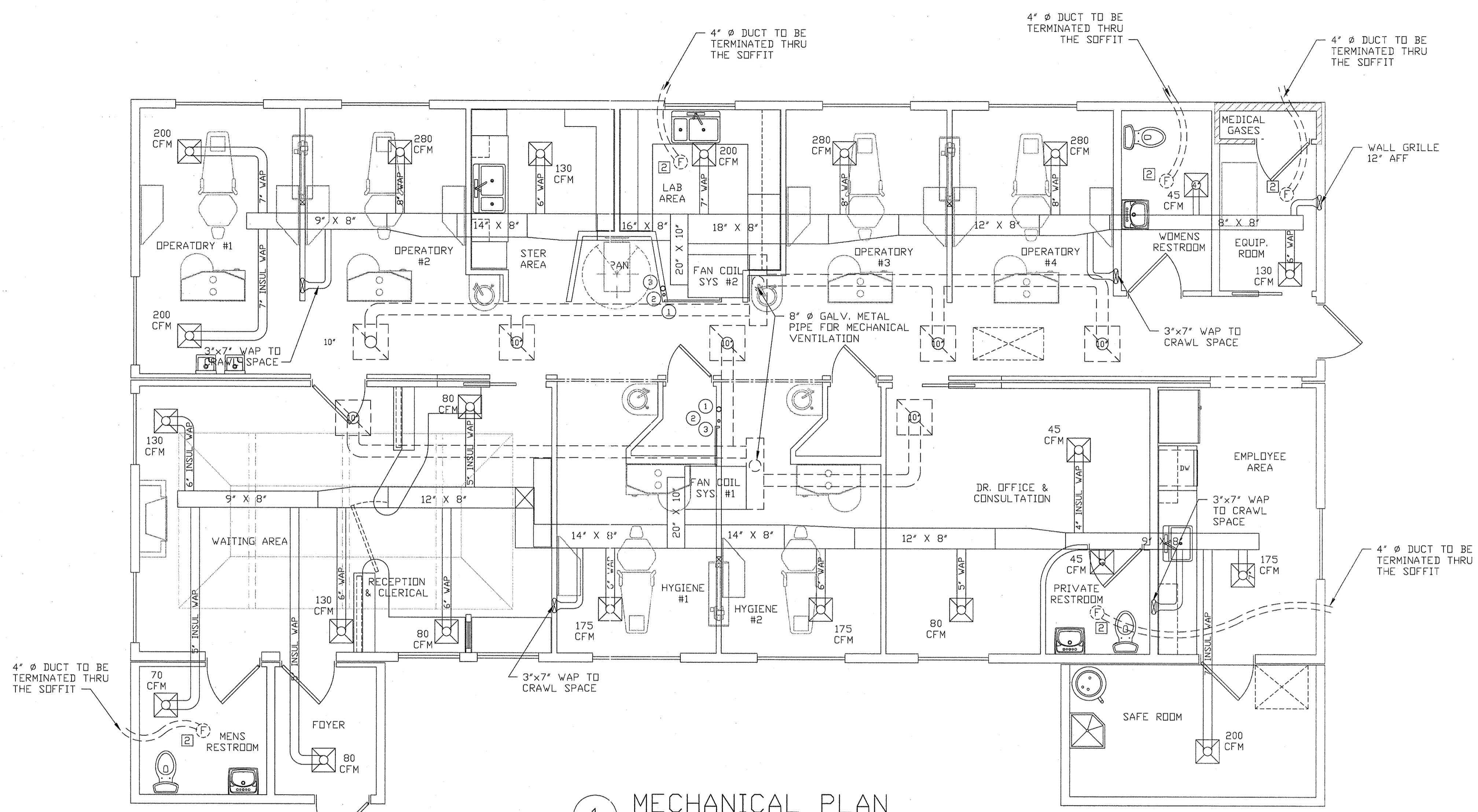
BUILDER: SHERWOOD FOREST

CUSTOMER: A. BERNAD SHORT D.D.S., PC

CITY/STATE: JOPLIN, MO

SHEET NO: 12

OF SHEETS: 18



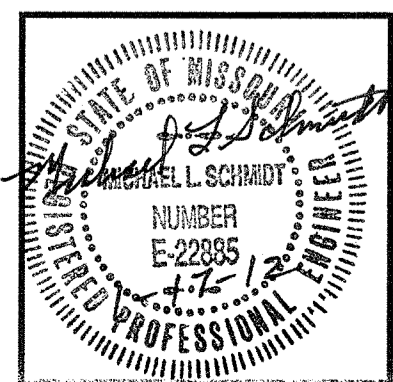
1 MECHANICAL PLAN
SCALE: 1/4"=1'

SYSTEM #1 MINIMUM CAPACITIES				
DESCRIPTION	HEATING BTU / HR		COOLING BTU / HR	BLOWER CFM
	INPUT	OUTPUT		
90% GAS FURNACE		44,648		1206
13 SEER HEAT PUMP			31,063	

SYSTEM #2 MINIMUM CAPACITIES				
DESCRIPTION	HEATING BTU / HR		COOLING BTU / HR	BLOWER CFM
	INPUT	OUTPUT		
90% GAS FURNACE		48,599		1522
13 SEER HEAT PUMP			39,208	

EXHAUST FANS			
	DESCRIPTION	MODEL	CFM
1	EXHAUST FAN	AIR KING AS50	50
2	EXHAUST FAN	AIR KING ES80	80

- NOTES:
1. PROVIDE A 1" Ø PVC PIPE FOR CONDENSATE DRAIN.
 2. PROVIDE A 1½" Ø PVC PIPE FOR OVERFLOW DRAIN PAN.
 3. PROVIDE A 3" Ø PVC CONDUIT FOR CONDENSING LINE INSTALLATION.



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PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
TITLE: MECHANICAL PLAN
PROJECT No.: 2011-017 DATE: NOV 21, 2011 SHEET No.: 12 OF 18
DWG FILE: 2011/2011-017 DRAWN BY: KHG / MLS

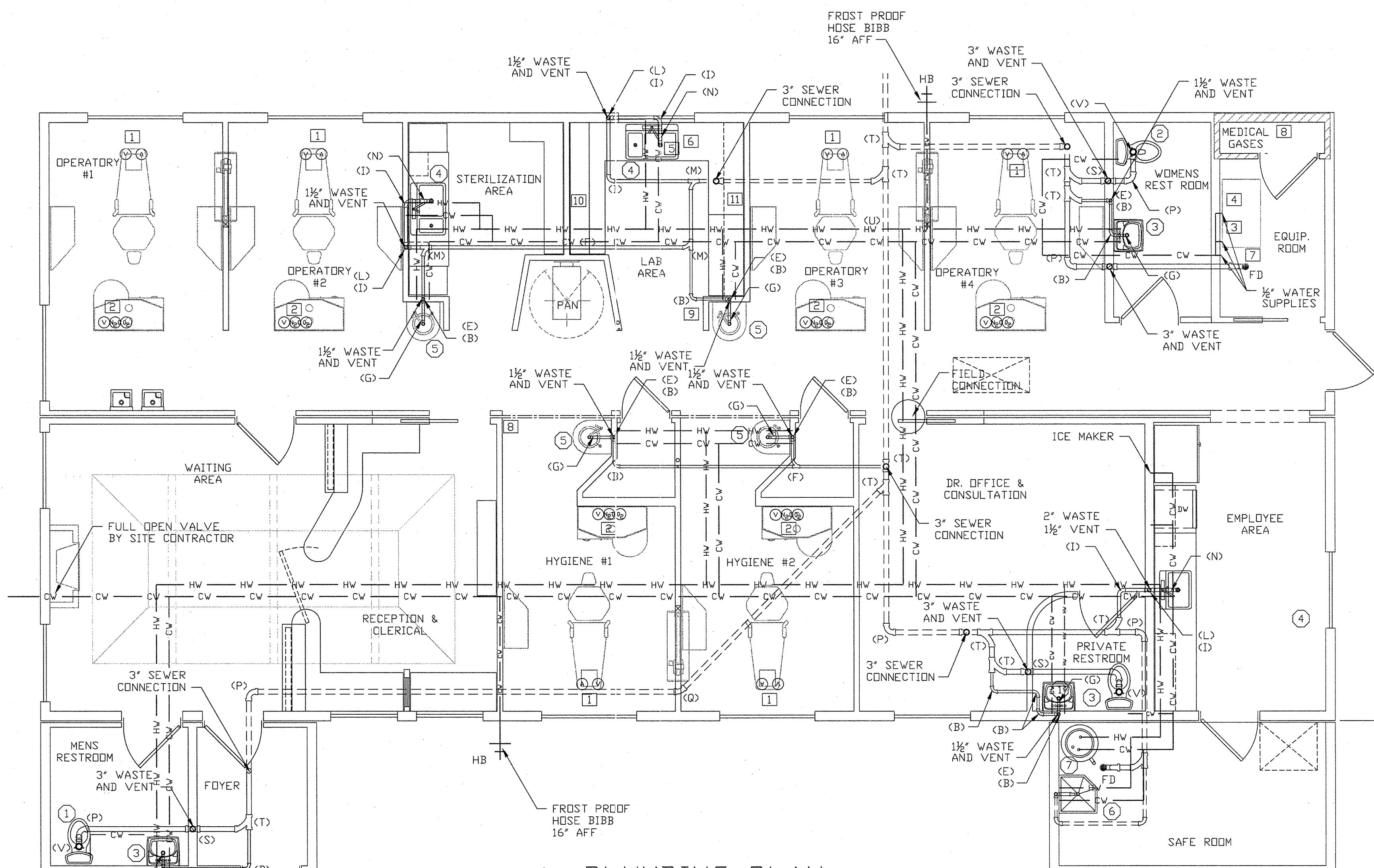
PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE:
01/16/12

MODEL: DANTAL OFFICE
DESCRIPTION: PLUMBING PLAN
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAUD SHORT D.D.S, PC
CITY/STATE: JOPLIN, MO
SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K.H. GIRARDIN



1 PLUMBING PLAN
SCALE: 1/4"=1'

FIELD COMPLETION NOTE:

1. CONTEMPRI HOMES SHALL PENETRATE THE FLOOR AND OR CEILING MEMBRANES WITH PVC PIPING FOR THE DWV SYSTEM AND PEX PIPING FOR BRANCH SUPPLY TO EACH FIXTURE.
2. THE SITE CONTRACTOR SHALL COMPLETE THE APPLICABLE SYSTEM FROM EACH FIXTURE TO THE BUILDING SERVICE IN COMPLIANCE WITH STATE AND LOCAL CODES.
 - ALL DASHED LINES ON THE DRAWINGS INDICATING THE WASTE PIPING IS BELOW THE FLOOR AND THE RESPONSIBILITY OF THE SITE CONTRACTOR.
 - WATER SUPPLY PIPING FROM THE SERVICE TO ALL FIXTURES IS BELOW THE FLOOR AND THE RESPONSIBILITY OF THE SITE CONTRACTOR.
3. SITE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR REQUIRED TO INSTALL ALL DENTAL EQUIPMENT INDICATED ON THE DRAWINGS.

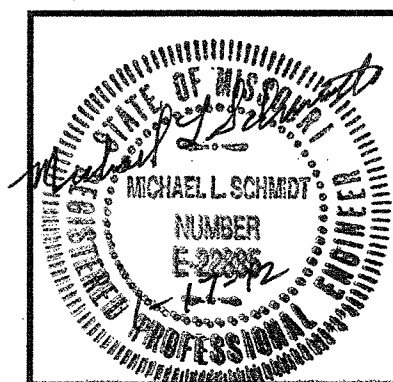
NOTE:
CONCERNING IBC SECTION 1109.02 TOILET AND BATHING FACILITIES.
PLANS AS DRAWN HAVE BEEN GRANTED AN EXCEPTION FOR NON COMPLIANCE WITH IBC SECTION 1109.2 TOILET AND BATHING FACILITIES BY THE CITY OF JOPLIN, MO. FOR THE PRIVATE TOILET FACILITIES IN THE CONSULTATION OFFICE AS PER CORRESPONDENCE FROM STEVE COPE, CBO DATED JAN. 14, 2012.

TRAP ARM LENGTHS	
TRAP SIZE	DISTANCE FROM VENT (FEET)
1 1/2"	5
2	6
3	10

DENTAL EQUIPMENT NOTES:

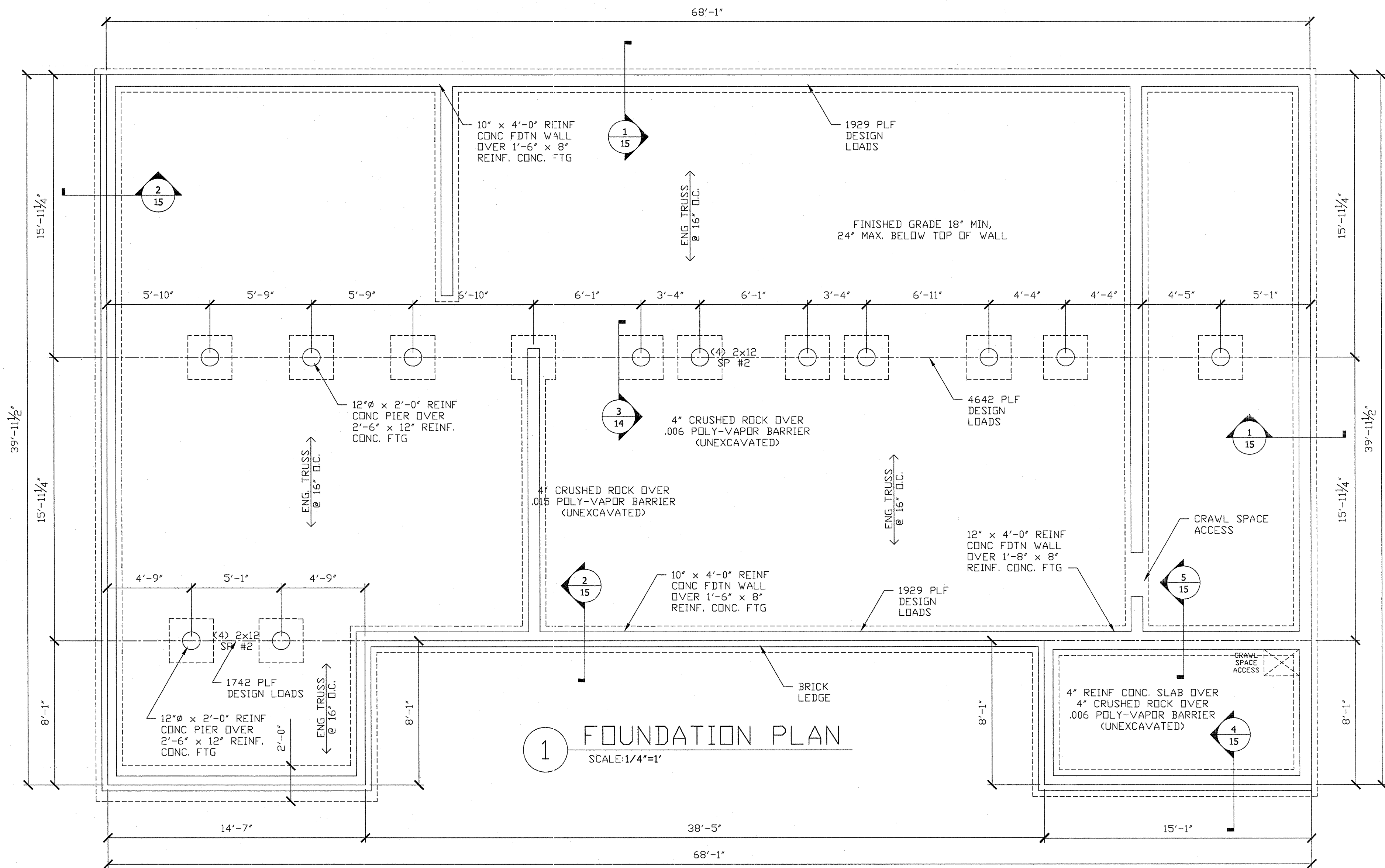
1. DENTAL UTILITY: 1/2" AIR LINE; 3/8" VACUUM LINE BY THE SITE CONTRACTOR.
 2. PORTER TRIPLE OUTLET: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 3. CENTRAL VACUUM PUMP: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR. 2" AIR EXHAUST TO EXTERIOR INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 4. AIR COMPRESSOR: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR. REMOTE AIR INTAKE TO ATTIC INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 5. PLASTER TRAP: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 6. MODEL TRIMMER: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 7. WATER FILTER MANIFOLD ASSEMBLY, WATER SOLENOID VALVE: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 8. N2O/O2 CENTRAL SYSTEM: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 9. N2O/O2 MASTER ZONE VALVE: INSTALLATION PER PATTERSON DETAILS BY SITE CONTRACTOR.
 10. GAS VALVE @ 44" AFF BY SITE CONTRACTOR.
 11. AIR VALVE @ 44" AFF BY SITE CONTRACTOR.
- EXACT LOCATIONS AND DETAILS SHALL BE VERIFIED BY A PATTERSON REPRESENTATIVE.

FIXTURE SCHEDULE		
FIXTURE NUMBER	DESCRIPTION	MODEL
1	WATER CLOSET	AMERICAN STANDARD CADET 3 #2235.128
2	WATER CLOSET	AMERICAN STANDARD CADET 3 #2832.128
3	WALL HUNG LAV	AMERICAN STANDARD 0356.056
4	SINGLE BOWL SINK	ELKAY DAYTON #D12522
5	TREATMENT ROOM SINK	PROVIDED BY PATTERSON
6	SERVICE SINK	SPECIFIED BY OWNER
7	WATER HEATER	STATE SELECT HE #ES6-40 DOCT 40 GAL



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PROJECT: CONTEMPRI HOMES; A. BERNAUD SHORT D.D.S, PC
TITLE: PLUMBING PLAN
PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 13 OF 18
DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS



1 FOUNDATION PLAN
SCALE: 1/4"=1'

FOUNDATION NOTES

- IT SHALL BE THE FOUNDATION CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL LOCAL SOIL CONDITIONS AND NOTIFY CONTEMPRI HOMES AND IT'S ENGINEER OF ANY DIFFERING SITE CONDITIONS. ALL FOUNDATION WALLS, FOOTINGS, AND PIERS, AND OTHER ON-SITE CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES.
- DESIGN REQUIRED
FOUNDATION WALLS SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE WHERE WALLS ARE SUBJECT TO HYDROSTATIC PRESSURE FROM GROUNDWATER AND/OR SUPPORT MORE THAN 48 INCHES OF UNBALANCED BACKFILL SHALL BE PER IBC SEC 1805.5.1.2
- THE SILL PLATE SHALL BE 2x6 MINIMUM, FOUNDATION ANCHORAGE SHALL BE PROVIDED WITH SIMPSON STRONG TIE MAB23 MUDSILL ANCHORS OR EQUAL SPACED AT 2'-9" MAXIMUM INTERVALS AND 1'-0" FROM CORNER AND/OR END OF EACH SILL PLATE.

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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

SCALE: AS NOTED
DATE: NOV. 21, 2011
DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE
DESCRIPTION: FOUNDATION
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S. PC
CITY/STATE: JOPLIN, MO

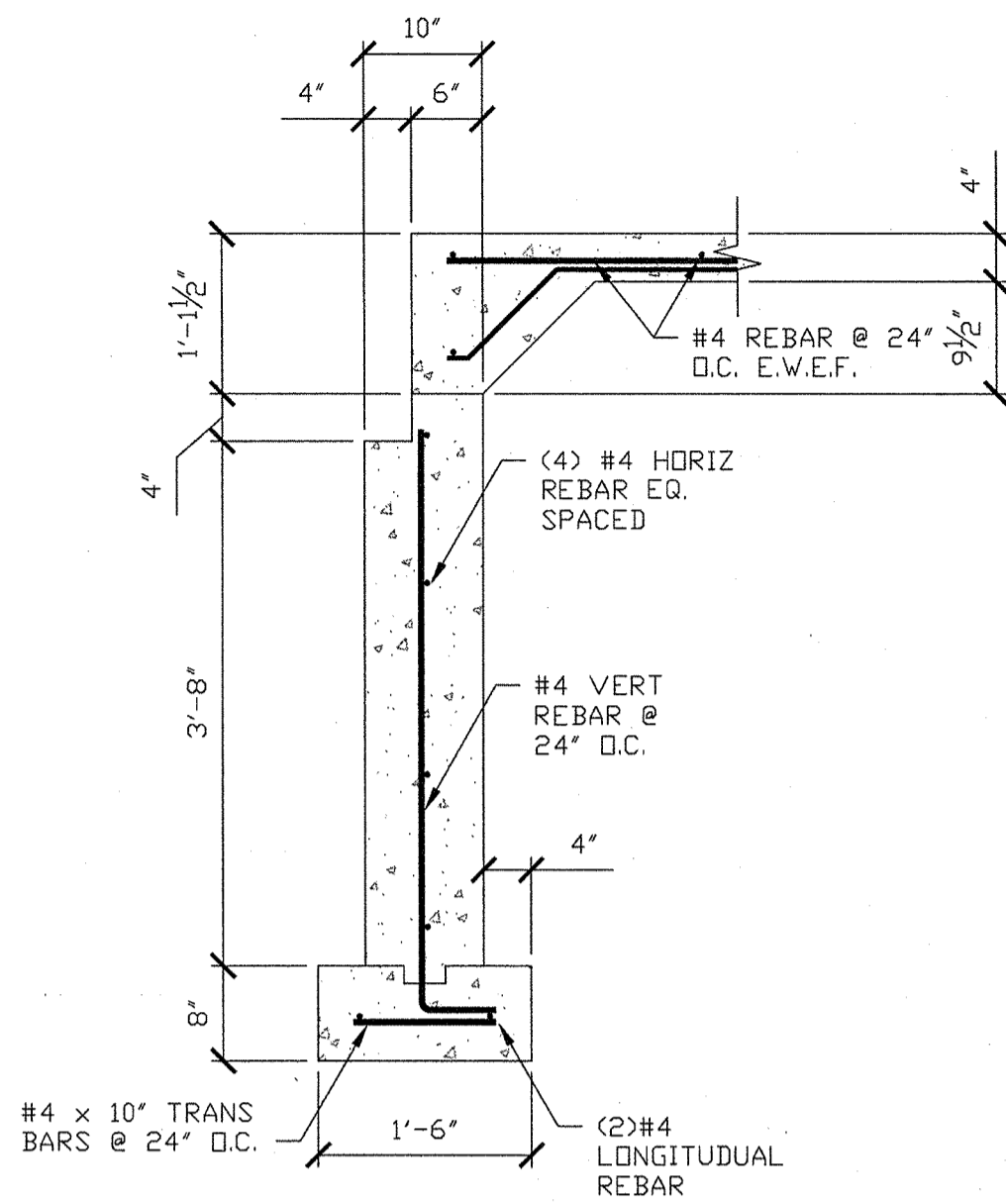
SHEET NO: 14
OF SHEETS: 18

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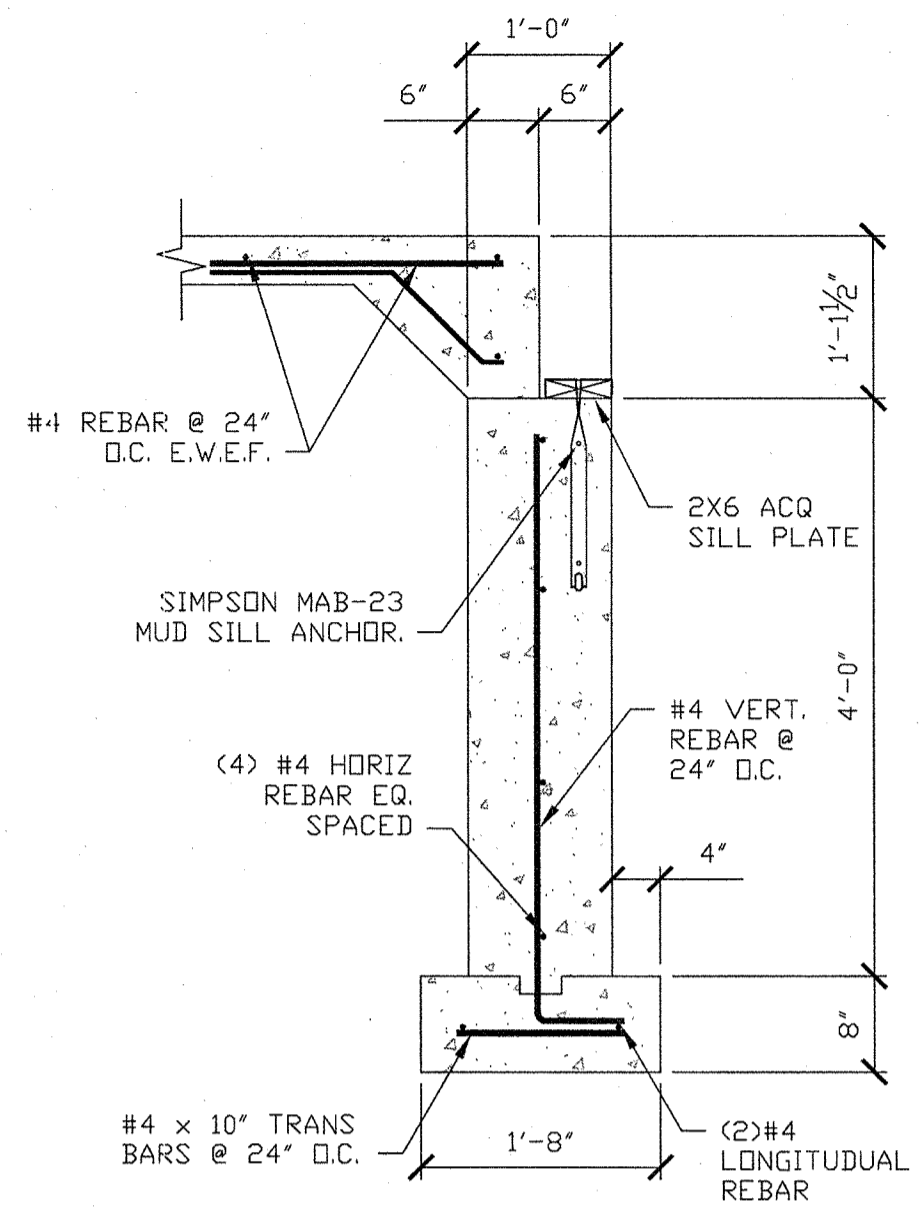
PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S. PC
TITLE: FOUNDATION PLAN

PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 14 OF 18
DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS

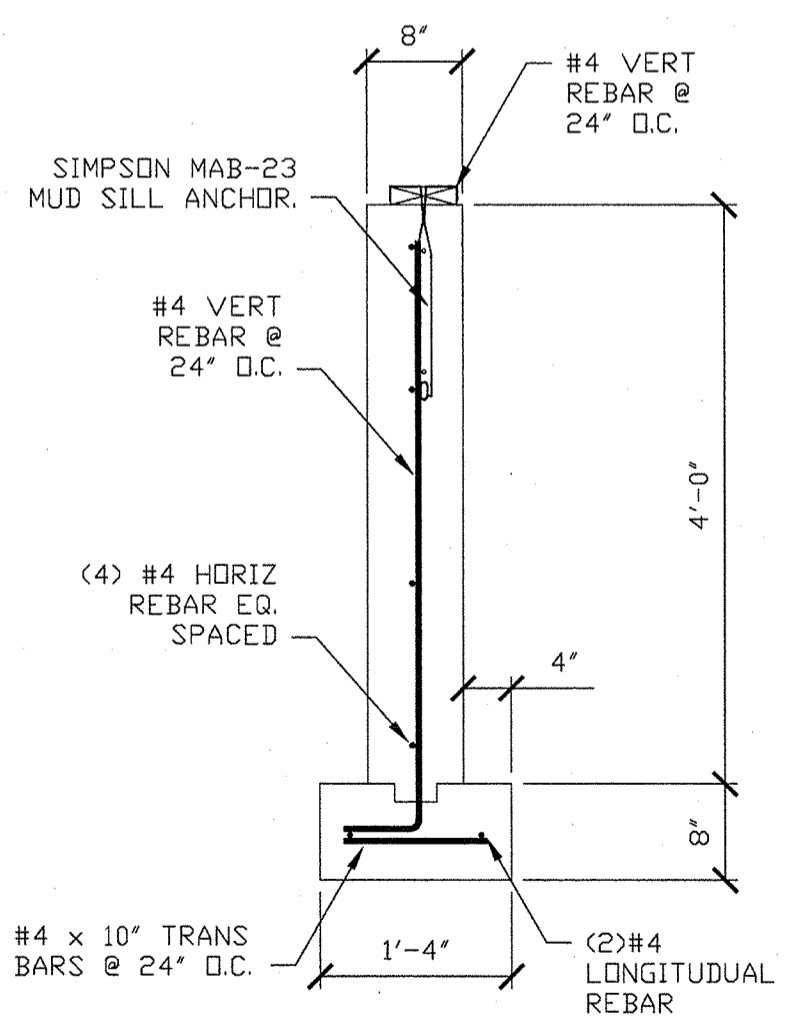
Professional Engineer Seal: MICHAEL L. SCHMIDT, NUMBER E-22885



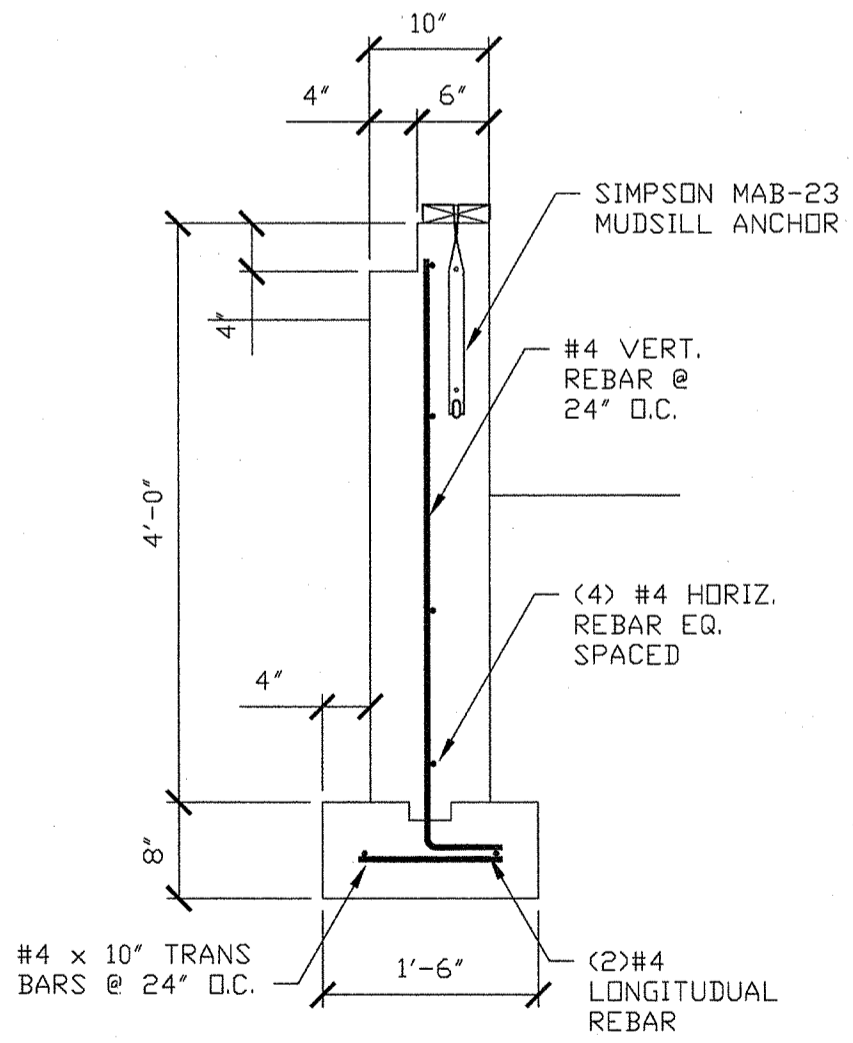
4 FOUNDATION WALL
SCALE: 3/4"=1'-0"



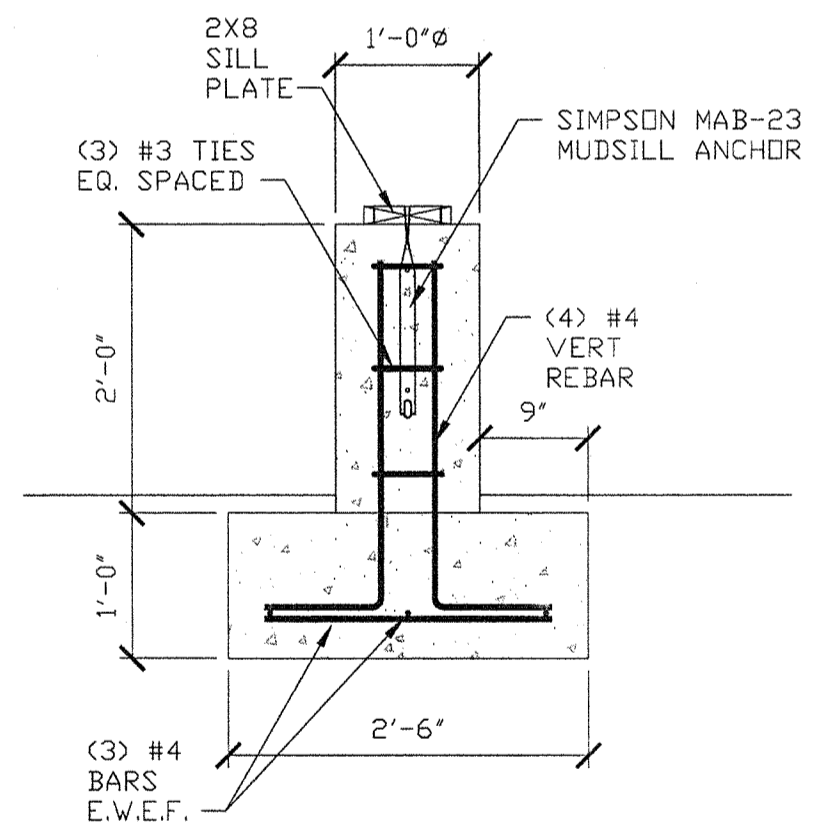
5 FOUNDATION WALL
SCALE: 3/4"=1'-0"



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



2 FOUNDATION WALL
SCALE: 3/4"=1'-0"



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



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PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
TITLE: CONNECTION DETAILS

PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 15 OF 18
DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS

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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

MODEL: DENTAL OFFICE
DESCRIPTION: FOUNDATION DETAILS
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S., PC
CITY/STATE: JOPLIN, MO

SCALE: AS NOTED
DATE: JAN. 2, 2012
DRAWN BY: K.H. GIRARDIN

SHEET NO:
15
OF
18 SHEETS:

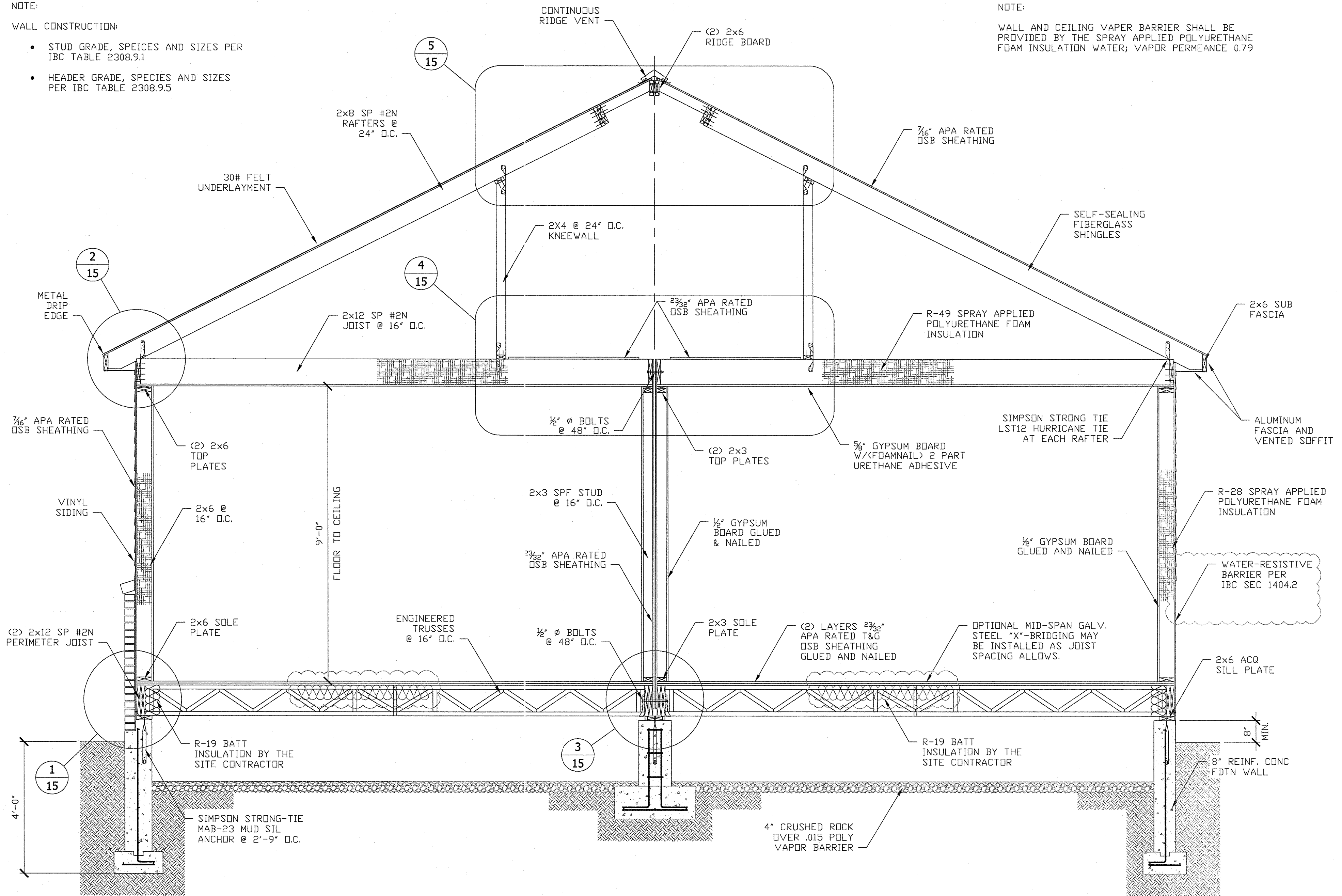
NOTE:

WALL CONSTRUCTION:

- STUD GRADE, SPECIES AND SIZES PER IBC TABLE 2308.9.1
- HEADER GRADE, SPECIES AND SIZES PER IBC TABLE 2308.9.5

NOTE:

WALL AND CEILING VAPER BARRIER SHALL BE PROVIDED BY THE SPRAY APPLIED POLYURETHANE FOAM INSULATION WATER; VAPOR PERMEANCE 0.79



1 BUILDING SECTION
SCALE: 1/2\"/>

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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

MODEL: DENTAL OFFICE
DESCRIPTION: BUILDING PLAN
BUILDER: SHERWOOD FOREST
CUSTOMER: A. BERNAD SHORT D.D.S., PC
CITY/STATE: JOPLIN, MO

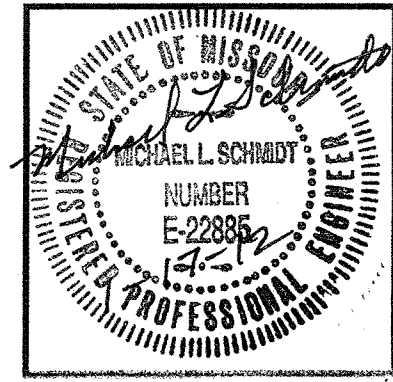
SCALE: AS NOTED

DATE: NOV. 21, 2011

DRAWN BY: K.H. GIRARDIN

SHEET NO: 16

OF SHEETS: 18



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PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
TITLE: BUILDING SECTION

PROJECT No.: 2011-016	DATE: NOV. 21, 2011	SHEET No.: 16 OF 18
DWG FILE: 2011/2011-016	DRAWN BY: KHG / MLS	

PRELIMINARY #:

FILE #:

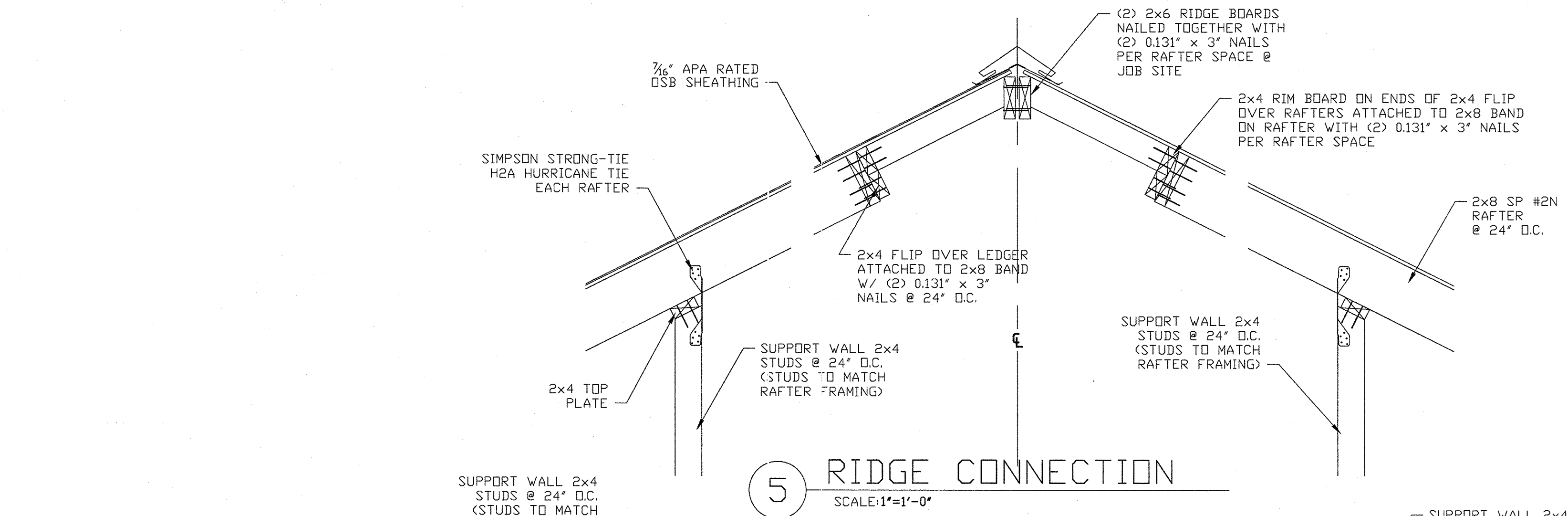
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REVISED DATE: 01/16/12

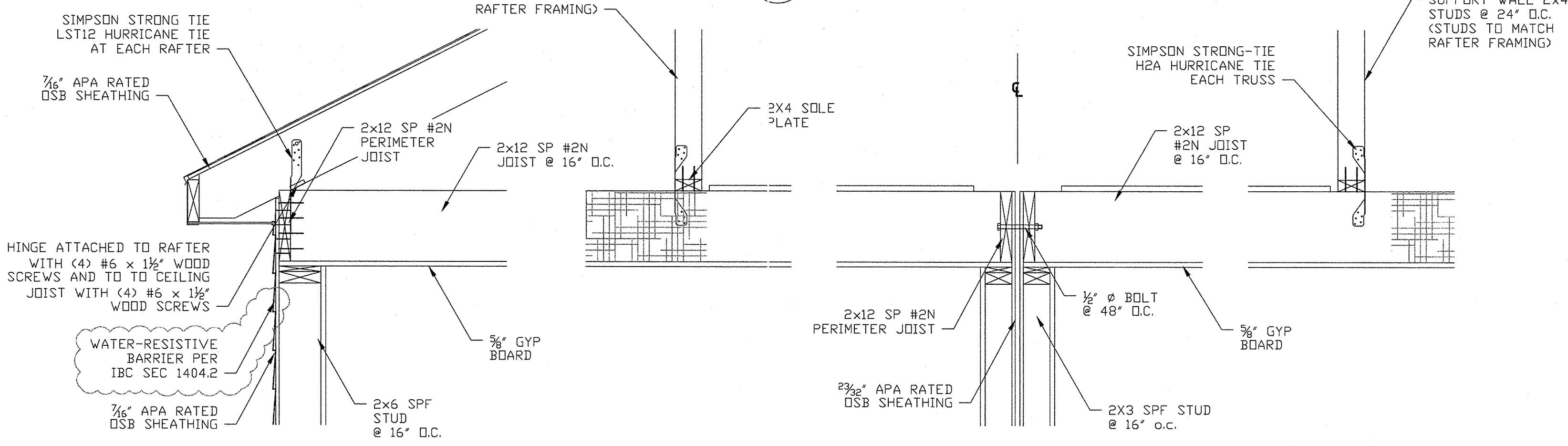
MODEL: DENTAL OFFICE
 DESCRIPTION: CONNECTION DETAILS
 BUILDER: SHERWOOD FOREST
 CUSTOMER: A. BERNAD SHORT D.D.S., PC
 CITY/STATE: JOPLIN, MO
 SCALE: AS NOTED
 DATE: NOV. 21, 2011
 DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE
 DESCRIPTION: CONNECTION DETAILS
 BUILDER: SHERWOOD FOREST
 CUSTOMER: A. BERNAD SHORT D.D.S., PC
 CITY/STATE: JOPLIN, MO

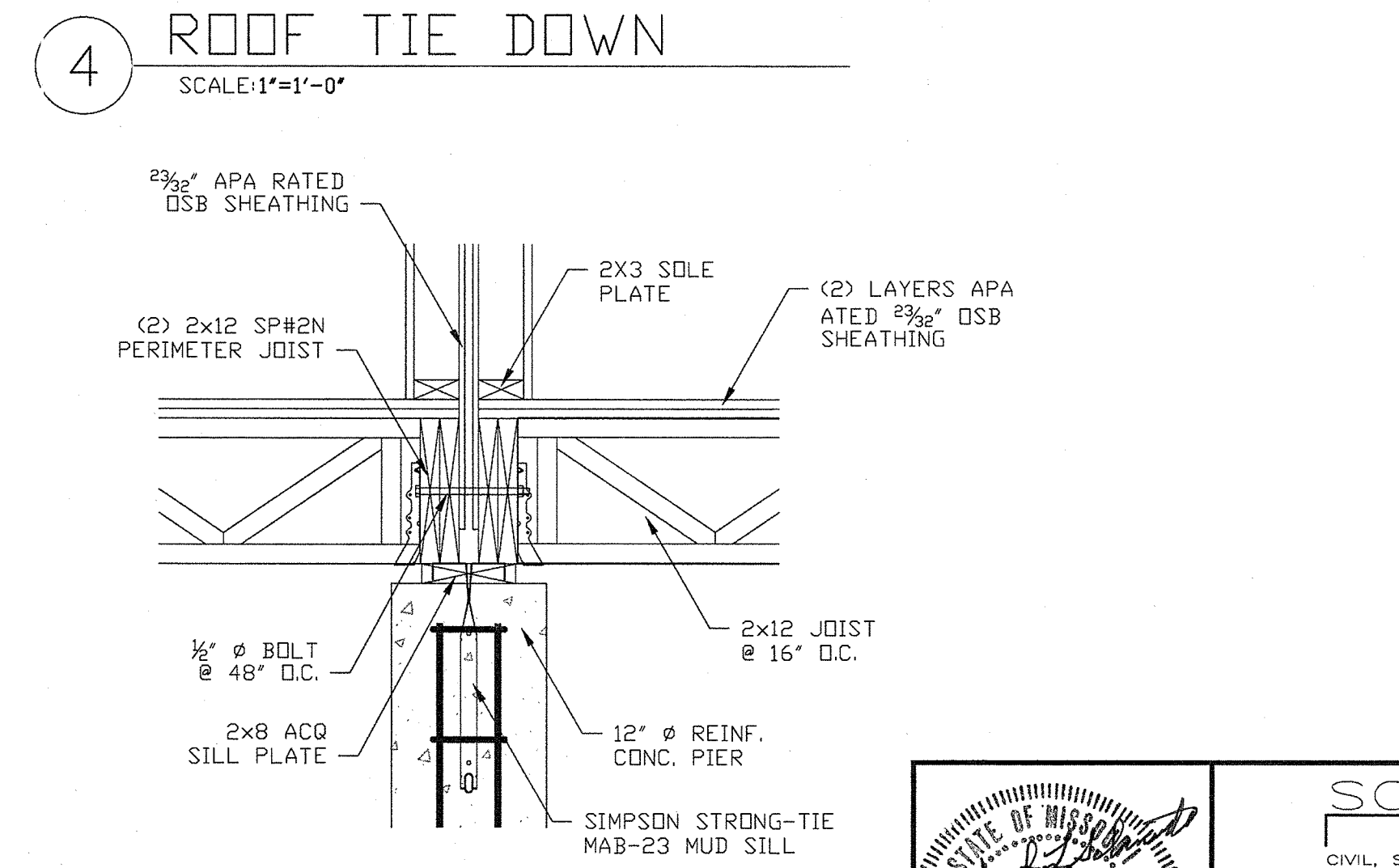
SHEET NO: 17 OF 18 SHEETS



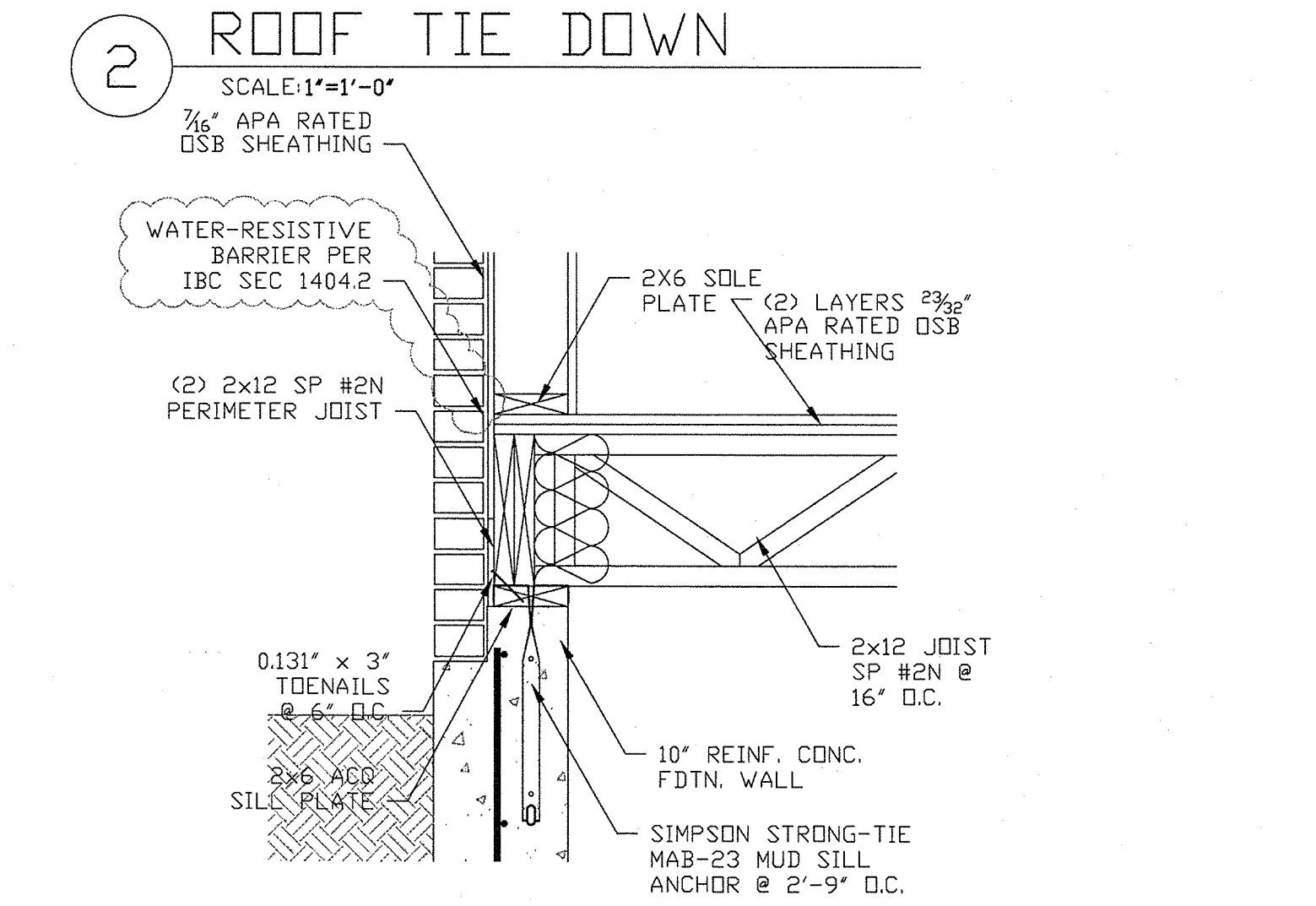
5 RIDGE CONNECTION
 SCALE: 1"=1'-0"



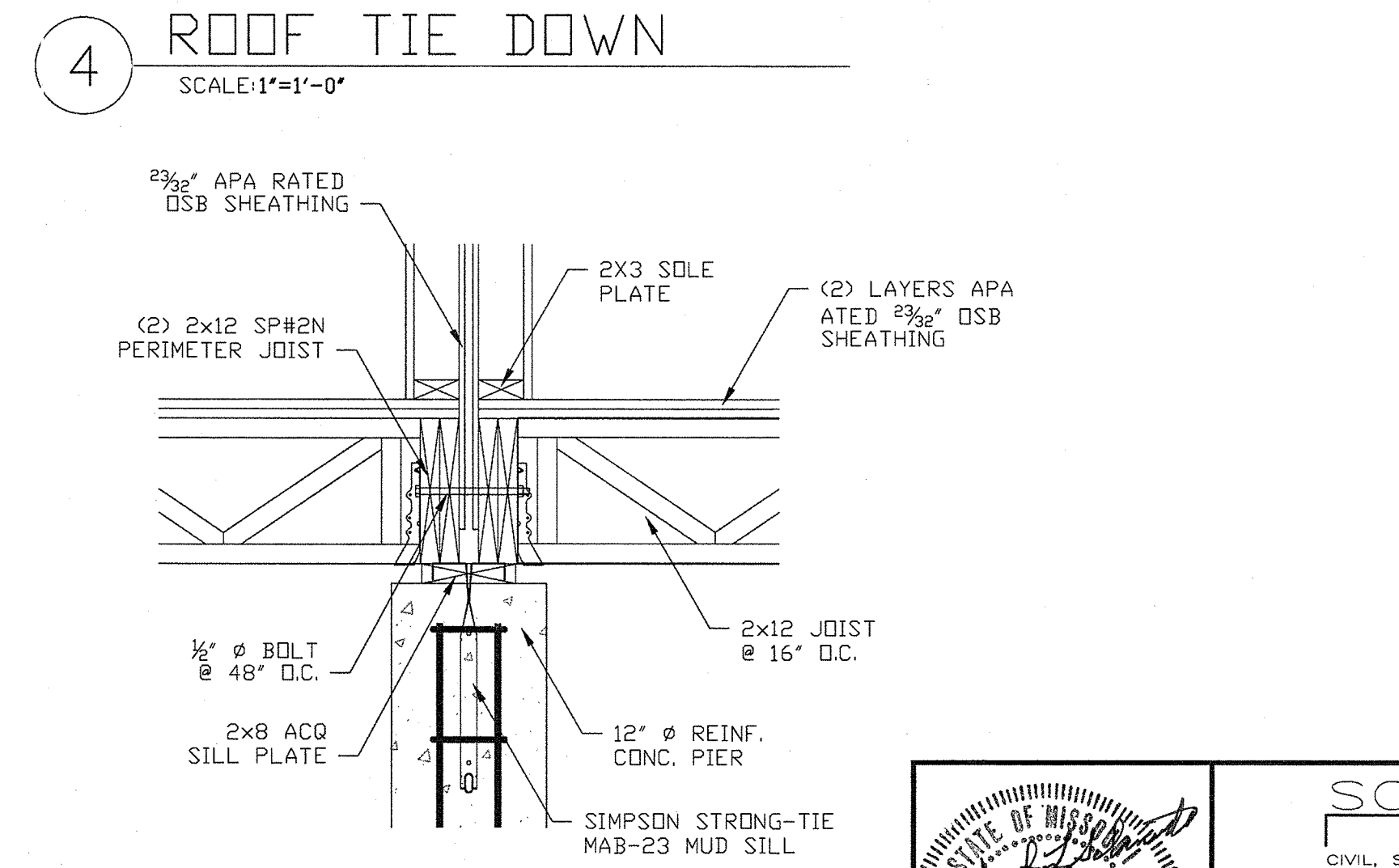
2 ROOF TIE DOWN
 SCALE: 1"=1'-0"



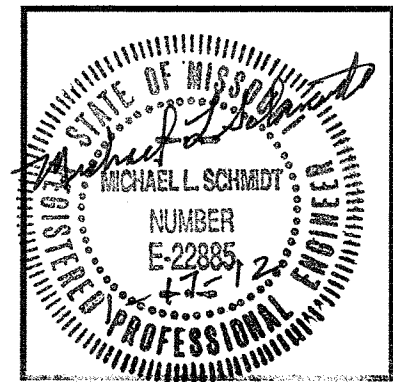
4 ROOF TIE DOWN
 SCALE: 1"=1'-0"



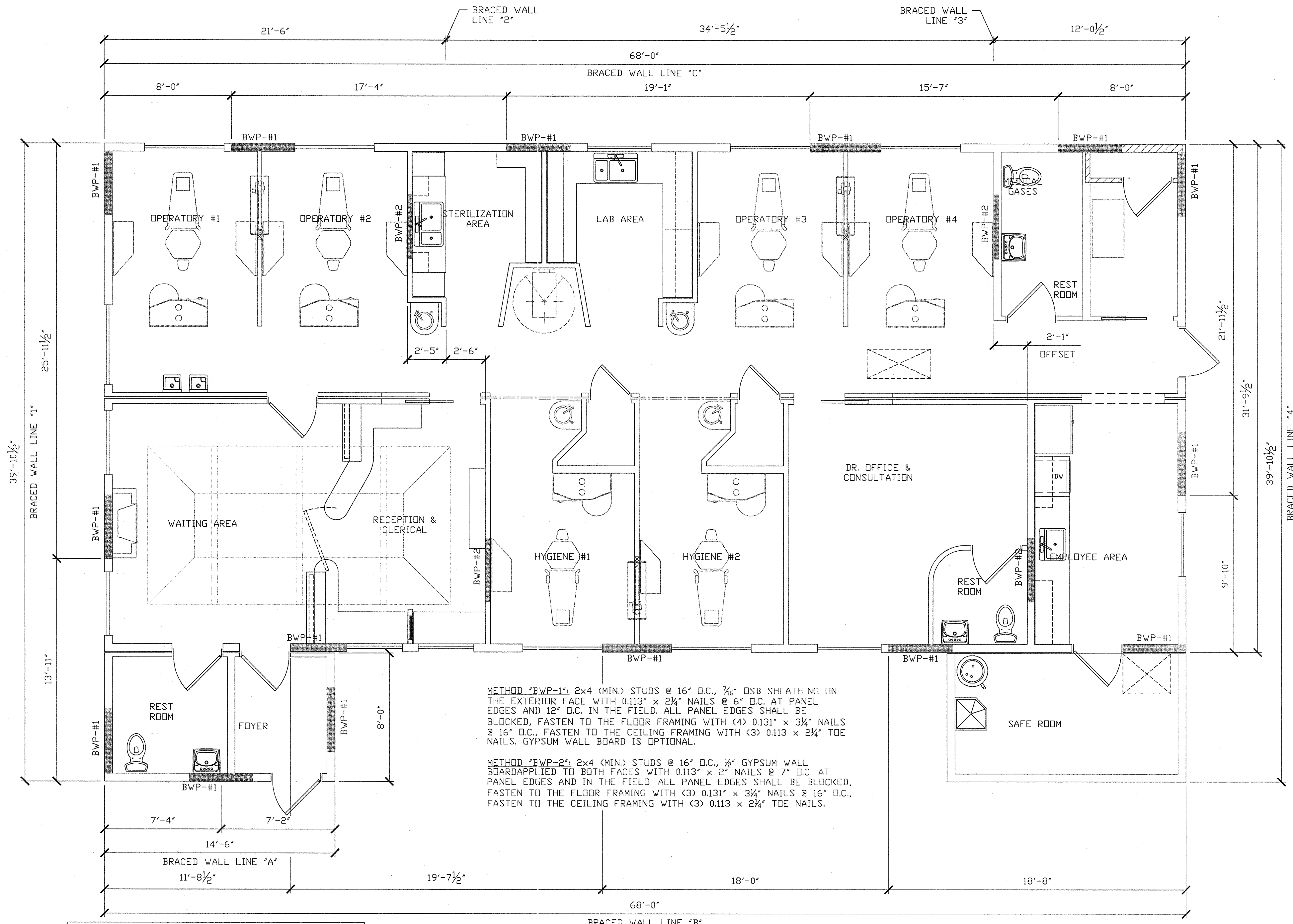
1 FLOOR TIE DOWN
 SCALE: 1"=1'-0"



3 FLOOR TIE DOWN
 SCALE: 1"=1'-0"



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 PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
 TITLE: CONNECTION DETAILS
 PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 17 OF 18
 Dwg. FILE: 2011/2011-016 DRAWN BY: KHG / MLS



METHOD "BWP-1": 2x4 (MIN) STUDS @ 16" O.C., 7/16" OSB SHEATHING ON THE EXTERIOR FACE WITH 0.113" x 2 1/4" NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. IN THE FIELD. ALL PANEL EDGES SHALL BE BLOCKED, FASTEN TO THE FLOOR FRAMING WITH (4) 0.131" x 3 3/4" NAILS @ 16" O.C., FASTEN TO THE CEILING FRAMING WITH (3) 0.113 x 2 1/4" TOE NAILS. GYPSUM WALL BOARD IS OPTIONAL.

METHOD "BWP-2": 2x4 (MIN) STUDS @ 16" O.C., 1/2" GYPSUM WALL BOARD APPLIED TO BOTH FACES WITH 0.113" x 2" NAILS @ 7" O.C. AT PANEL EDGES AND IN THE FIELD. ALL PANEL EDGES SHALL BE BLOCKED, FASTEN TO THE FLOOR FRAMING WITH (3) 0.131" x 3 3/4" NAILS @ 16" O.C., FASTEN TO THE CEILING FRAMING WITH (3) 0.113 x 2 1/4" TOE NAILS.

BRACED WALL REQUIREMENTS FOR SEISMIC ZONE "B"

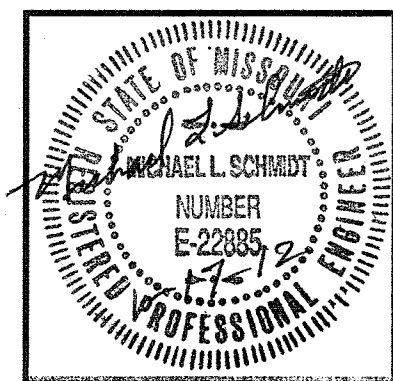
BRACED WALL LINE	BRACED WALL PANEL METHOD	
	METHOD	REQUIRED
A	BWP-1	48" (MIN.) / 25 FOOT SPACING
B	BWP-1	48" (MIN.) / 25 FOOT SPACING
C	BWP-1	48" (MIN.) / 25 FOOT SPACING
1	BWP-1	48" (MIN.) / 25 FOOT SPACING
2	BWP-2	48" (MIN.) / 25 FOOT SPACING
3	BWP-2	48" (MIN.) / 25 FOOT SPACING
4	BWP-1	48" (MIN.) / 25 FOOT SPACING

1 LATERAL BRACING SYSTEM

SCALE: 1/4"=1'

NOTES:

- BRACED WALL LINES SHALL BE PER IBC SEC 2308 .3
- BRACED WALL PANELS SHALL BE PER IBC SEC 2308.9.3
- BRACED WALL PANEL CONNECTIONS SHALL BE PER IBC SEC 2308 .3
- FLOOR TRUSSES OR CEILING JOIST SHALL BE LOCATED ABOVE BRACED WALL LINES.



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PROJECT: CONTEMPRI HOMES; A. BERNAD SHORT D.D.S., PC
 TITLE: LATERAL BRACING SYSTEM

PROJECT No.: 2011-016 DATE: NOV. 21, 2011 SHEET No.: 18 OF 18
 DWG. FILE: 2011/2011-016 DRAWN BY: KHG / MLS

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PRELIMINARY #:

FILE #:

PRODUCTION #:

REVISED DATE: 01/16/12

SCALE: AS NOTED
 DATE: NOV. 21, 2011
 DRAWN BY: K.H. GIRARDIN

MODEL: DENTAL OFFICE
 DESCRIPTION: LATERAL BRACING SYSTEM
 BUILDER: SHERWOOD FOREST
 CUSTOMER: A. BERNAD SHORT D.D.S., PC
 CITY/STATE: JOPLIN, MO

SHEET NO: 18 OF 18 SHEETS