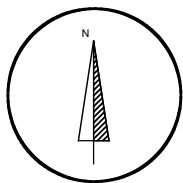


0.5"=1'
X-Ray Room



100 Amp 240 Volt
Copper wire, 2 hots & Ground.
Disconnect is located 5' off the
floor directly next to the X-ray
control panel.

3" Conduit through
wall at floor, for
main power cable.

Treatment Room

Shielding Requirements:

1 roll 1/16 Lead
2 rolls 1/32 Lead
1, 16X24" Lead Window
Shielding only extends up
7' (rolls are 7' x 49")

24x10":
"L" Bracket Shelf
For X-Ray Control

1/32" lead lined to booth wall.

Halway

No lead required.

Lead Window
16x24":
Bottom of window
will be 4' 2" off of the
floor. Window will be
18" from outside of
booth wall.

Booth wall:
1/16" Lead lined

Note: The Transformer
may be placed behind the
booth wall, at the
descretion of the
installation crew.

110 Outlet

No lead required.

Exterior Wall

Note:
Depending on what is
beyond the exterior wall
and building
construction, shielding
could be required.

110 Outlet
Cat 5 Outlet will be
placed where the
digital scanner/
computer will mount.

24x10":
"L" Bracket Shelf
For Keyboard/Mouse
Monitor will be mounted on
wall. Small monitor mount to
be furnished by GC or Doctor.

Double 5/8" sheetrock for shielding.

(1/32" lead lining could be required on this wall depending on width of the room and occupancy in the adjacent room.)

Reception Area

Layout is not meant as an architectural rendering and is
not entirely to scale, Customer responsible for remodel,
and ensuring that required sheilding is purchased and
properly installed.

(This drawing is for a single story construction building.)

Terry Hart-Consultant

T&K X-Ray Consultants Inc.

terry@tleehart.com

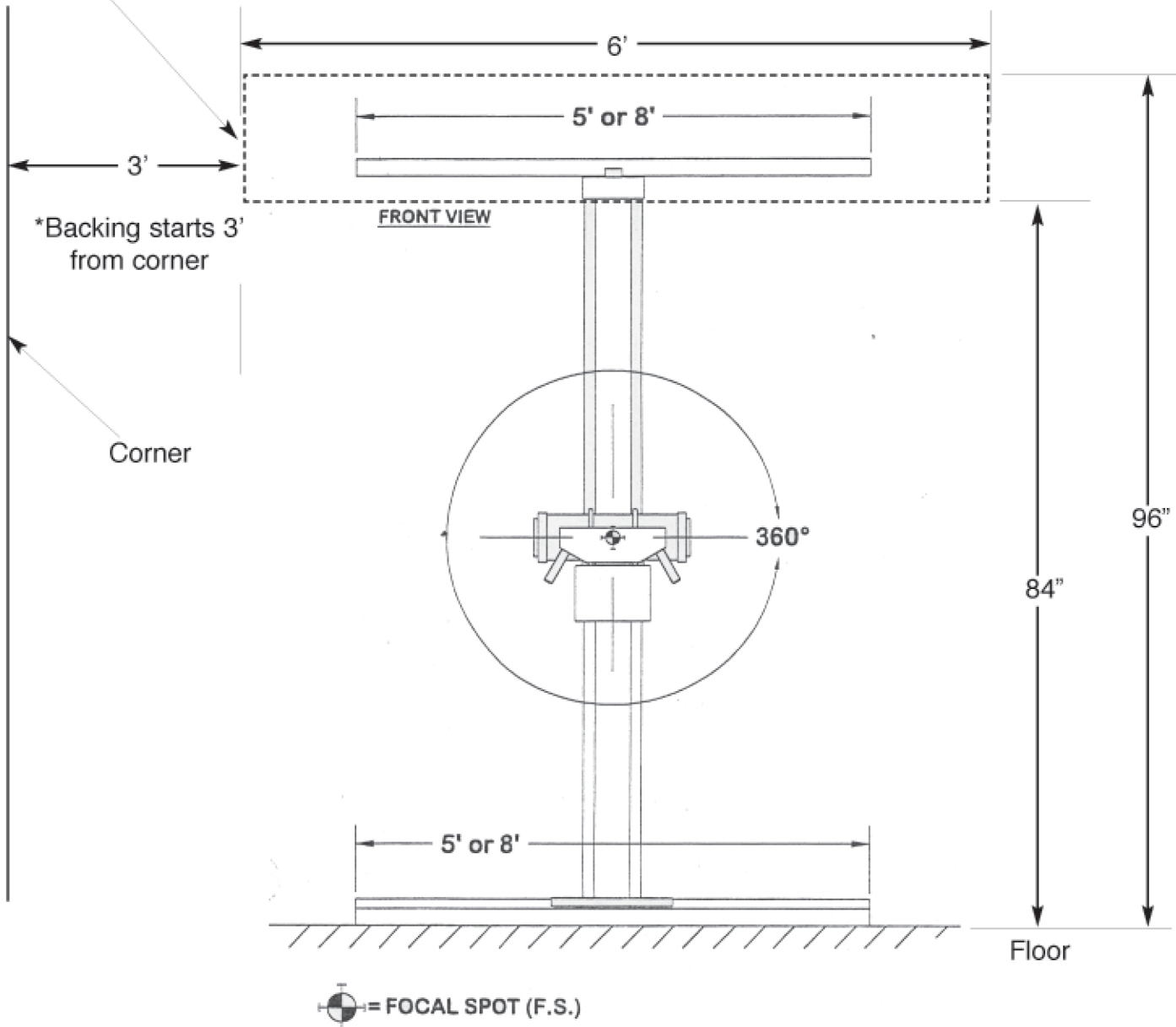
(218)940-6152



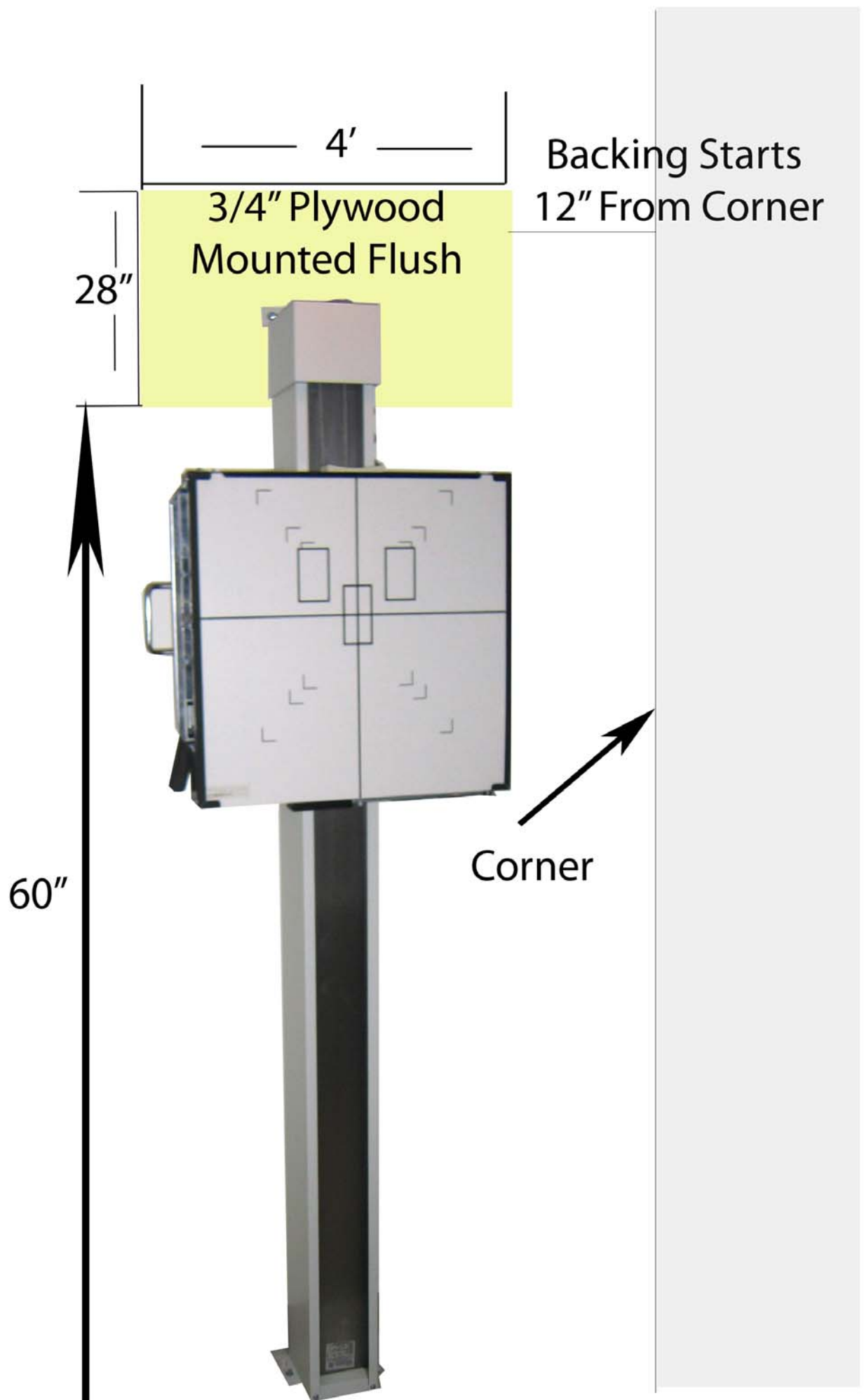
Wall Re-inforcement For Floor to Wall Tubestand

All Backing is to be BEHIND the sheetrock

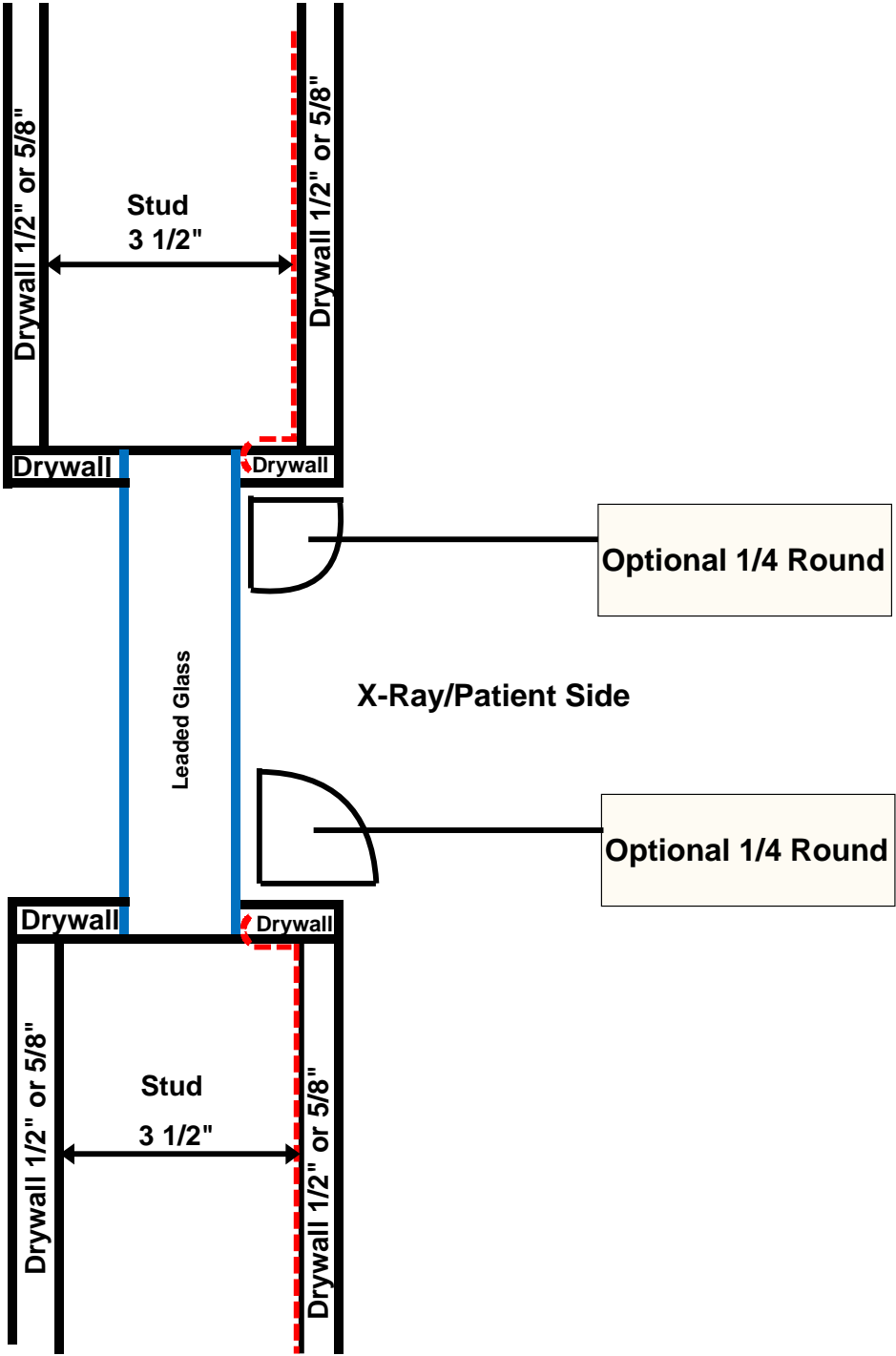
Backing is 12" wide & 6' Long



*Distance is based on length of the room, ie. a smaller room may require less distance at this point



Operator/
Disconnect Box side





Electrical Options

Tips on hanging rolled lead.

I am not a fan of lead sheetrock due to the great expense, for medical it can make sense because many times it is necessary to wrap the entire room in lead due to the large volume of exposures taken. For the private practice professional, primarily Chiropractors and Veterinarians, the shielding requirements are not as great. A great deal can be saved choosing to use rolled lead over lead rock. Having decided to go with rolled lead, follow these instructions to hang:

- Install the rolls vertically, starting at a height of seven feet and rolling to the floor.
- Use as few screws as necessary just to hold it up; you will be rocking on top of the lead and putting more screws in place.
- Many times only the exact amount is provided, if this the case do NOT overlap but make sure to bring the seams together without any gaps.
- If additional lead is provided, you may overlap by half inch.
- Make certain that you are using the lead plan provided and that you put the heavier (1/16"/4lb.) lead on the primary walls indicated and the lighter (1/32"/2lb.) on the secondary walls.

Most municipalities do NOT require an inspection of the lead before you finish with the sheetrock, but many states will use instrumentation to verify the shielding is in place when they perform their required inspections.

20 kHz HIGH FREQUENCY GENERATOR

This sleekly designed, UL classified generator is fully microprocessor controlled. Closed loop stabilization allows extremely accurate and repeatable output. Single kV increments and direct mAs selection allow quick and precise technique adjustment. 2-point technique selection mode provides operator adjustments of kV & mAs. Anatomical selection mode (available with models L550, 03900 & 03901 only) provides preprogrammed technique factors based upon patient anatomy, selecting the highest available mA for the shortest available exposure time. Options include AEC (automatic exposure control).

SPACE REQUIREMENTS

Power Module (H.T. transformer enclosed)	20.5" width, 17.5" depth, 37.5" height
Generator Console	17" width, 8.5" depth, 3" height
Communication Cables (from Console to Power Module)	(2) 50' standard, 1.5" conduit required
Cable Access	At power module rear, 24" above floor

ELECTRICAL REQUIREMENTS

Characteristic	30kW	40kW	50kW
Line Frequency	50/60Hz	50/60Hz	50/60Hz
Rated Line Voltage (Nominal)	240VAC, 1-phase	240VAC, 3-phase	240VAC, 3-phase
Alternate Line Voltages	200-229VAC (see note 1)	200-229VAC or 380-500VAC (see notes 2 & 3)	200-229VAC or 380-500VAC (see notes 2 & 3)
Maximum Momentary Line Current	200A @ 240VAC, single- phase	154A @ 240VAC 3-phase	193A @ 240VAC 3-phase
Long Time Line Current	3A @ 240VAC single-phase	2A @ 240VAC 3-phase	2A @ 240VAC 3-phase
Minimum rating of over-current protection & disconnect switch	100A @ 240VAC	100A @ 240VAC	100A @ 240VAC
Distribution Transformer supplying power to the unit	37.5kVA, 1-phase	37.5kVA, 3-phase	45kVA, 3-phase
Maximum allowable voltage drop under full load	5%	5%	5%
Recommended copper wire sizes (see note 4)	#2 for 50' run, #00 for 100' run, 250 MCM for 200' run	#2 for 50' run, #00 for 100' run, 250 MCM for 200' run	#2 for 50' run, #00 for 100' run, 250 MCM for 200' run
Auxiliary power supplies provided (see note 5)	24VAC @ 7A for Collimator & 24VDC @ 5A, for electric locks	24VAC @ 7A for Collimator & 24VDC @ 5A, for electric locks	24VAC @ 7A for Collimator & 24VDC @ 5A, for electric locks

Notes:

- 200-229VAC single-phase operation requires step-up line match transformer #L246
- 200-229VAC & 380-500VAC 3-phase operation requires step-up/step-down line match transformer #03902
- “Run” is defined as the length of wire between distribution transformer & disconnect switch
- The generator does not provide 110/120 VAC supply

SHIPPING INFORMATION

CONTENTS	DIMENSIONS (on pallet)	WEIGHT
Console & Power Module	32" width, 28" depth, 42" height	215 lbs.

Specifications subject to change without notice.