NM BONE DE, VAMC PORTLAND, ORPO# 648-51013

This procurement will include the requirement for a modular building. Specifications attached

	iDXA Standard Config
1	A research grade direct-digital, fan-beam DXA device that allows physicians and investigators to assess both BMD and body composition with excellent images and exacting precision across all body types that ultimately instills clinical confidence. (Full-size table)
1	PC, iDXA, Windows7
1	Widescreen LCD Monitor (20")
1	iDXA Advance Package: This bone densitometer includes: enCORE Windows-based software platform with the following features: AP Spine, Femur, DualFemur, Forearm, Non-Seated Forearm, FRAX (Fracture Risk Tool), Pediatric AP Spine & Total Body, Pediatric Femur, Total Body BMD, Orthopedic Hip, Body Composition, Advanced Body Composition, HL7, DICOM, Multi-User Database (1-3), TeleDensitometry, ScanCheck, Practice Management Tools, Composer, OneScan, OneVision, SQL, QuickView, DVA (Dual Vertebral Assessment), AHA (Advanced Hip Assessment) and Spine Geometry.
1	enCORE Operating System Software for DXA Systems v16 SP1
1	US Destination Kit Includes: Printer, Mobile Computer Cart, External Hard Drive (USB) and enCORE Software (Latest Version)
1	Power Cord for iDXA
1	Uninteruptable Power Supply for iDXA ultrapremium BMD system, POWERCOM SMK-1500A.
1	Std 30' I/O Cable for iDXA System
2	Standard 1-day On-Site Applications Training: Initial 1 day of Training Consecutive to Installation: Comprehensive on-site education and training for up to 6 hours of Continuing Education Units (CEUs).
1	Tuition for Biomedical Service Training Course USA Only
	W7 PC & Software upgrade PA+301203
1	PC, Prodigy-DPX, Windows7

1	Widescreen LCD Monitor (20")
1	PRINTER
1	enCORE Operating System Software for DXA System IB Upgrade to v16 SP1
1	Multi User Software (3 User License)
1	External Hard Drive - USB (320 GB)
1	+1 Consecutive Day of Applications Training
1	Convert Lunar Database to latest Lunar format - includes results and images for iDXA, Prodigy and DPX systems (version 3.7 and up).

Portland VA Medical Center, Vancouver Campus, Vancouver, Washington
Site Preparation Work for a GE Healthcare Diagnostic Imaging Facility using a Modular Building System – Unit C

Customer: Department of Veterans Affairs

Customer Facility: Portland VA Medical Center, Vancouver, Washington Campus
1601 E. Fourth Plain Blvd.
Vancouver, Washington 98661

Site Preparation for: A Diagnostic Imaging Facility consisting of the following modular building unit: Unit C

1) A Williams Scotsman modular building unit housing:

b) Diagnostic Imaging Facility support areas

The site preparation work ("work") consists of furnishing the design, construction, labor, materials, equipment, and related services set forth in the specifications contained in this Scope of Work related to:

1) Preparing the site for the installation of a modular building (14' x 28') manufactured by Williams Scotsman, Inc., Portland, Oregon for the purpose of housing the diagnostic imaging system and facility support areas listed under the above Site Preparation.
2) Furnishing and installing the modular building. Unit C

The work (defined below) will conform to the general configuration (floor plan) represented in the "Work Drawings" which consist of the following drawing(s), incorporated herein by reference.

- The drawing prepared by Colin Construction Company, Grass Valley, California, for its Outpatient Modular MR/CT project, sheet A1, revision 4, Unit C, and dated September 17, 2015.

The Williams Scotsman modular building will (i) comply with the Williams Scotsman, Inc., Portland, Oregon, outline specifications titled “Specification Sheet,” dated October 8, 2014, incorporated herein by reference.

The "site" where the work will be performed consists of approximately 3,100 sq. ft. of existing green space where the Diagnostic Imaging Facility will be located. The site is located adjacent to and north of the VA’s new Primary Care Building facility on the Portland VA Medical Center, Vancouver Campus identified above.

Work Elements Included:

1. General:
    a. Coordinate and attend design meetings to define the work.
    b. Furnishing applicable architectural/engineering services and construction drawings.
    c. Coordinating the VA furnished geotechnical information into the structural foundation design of the diagnostic imaging facility.
    d. Submitting construction documents to facility for approvals.
    e. Coordinate and attend a pre-construction meeting and periodic progress meetings throughout the project.
    f. Providing record drawings and associated closeout documentation at project completion.
    g. Furnishing project management and on site supervision.
    h. Furnishing the rigging of the modular building unit on the weekend.
    i. Davis-Bacon wages and benefits.
2. Sitework and Foundations:
    a. Maintain a reasonably clean and safe job site in compliance with OSHA regulations.
    b. Furnishing site erosion control measures, temporary construction fencing, debris removal, and a dumpster.
    c. Furnishing the excavation and removal of the existing soils to the design depth for placement of the concrete foundations.
    d. Furnishing and installing reinforced concrete stem wall foundations and footings over existing undisturbed soil and/or engineered fill at the bottom of the foundation trenches for the diagnostic imaging facility.
    e. Furnishing and installing the steel anchoring plates and grouting required for the placement and attachment of the modular building units to the reinforced concrete foundations.
    f. Furnishing and installing a reinforced concrete handicap ramp with metal handrails to the diagnostic imaging facility main entrance.

g. Furnish the backfilling and rough grading after construction of the reinforced concrete foundations.

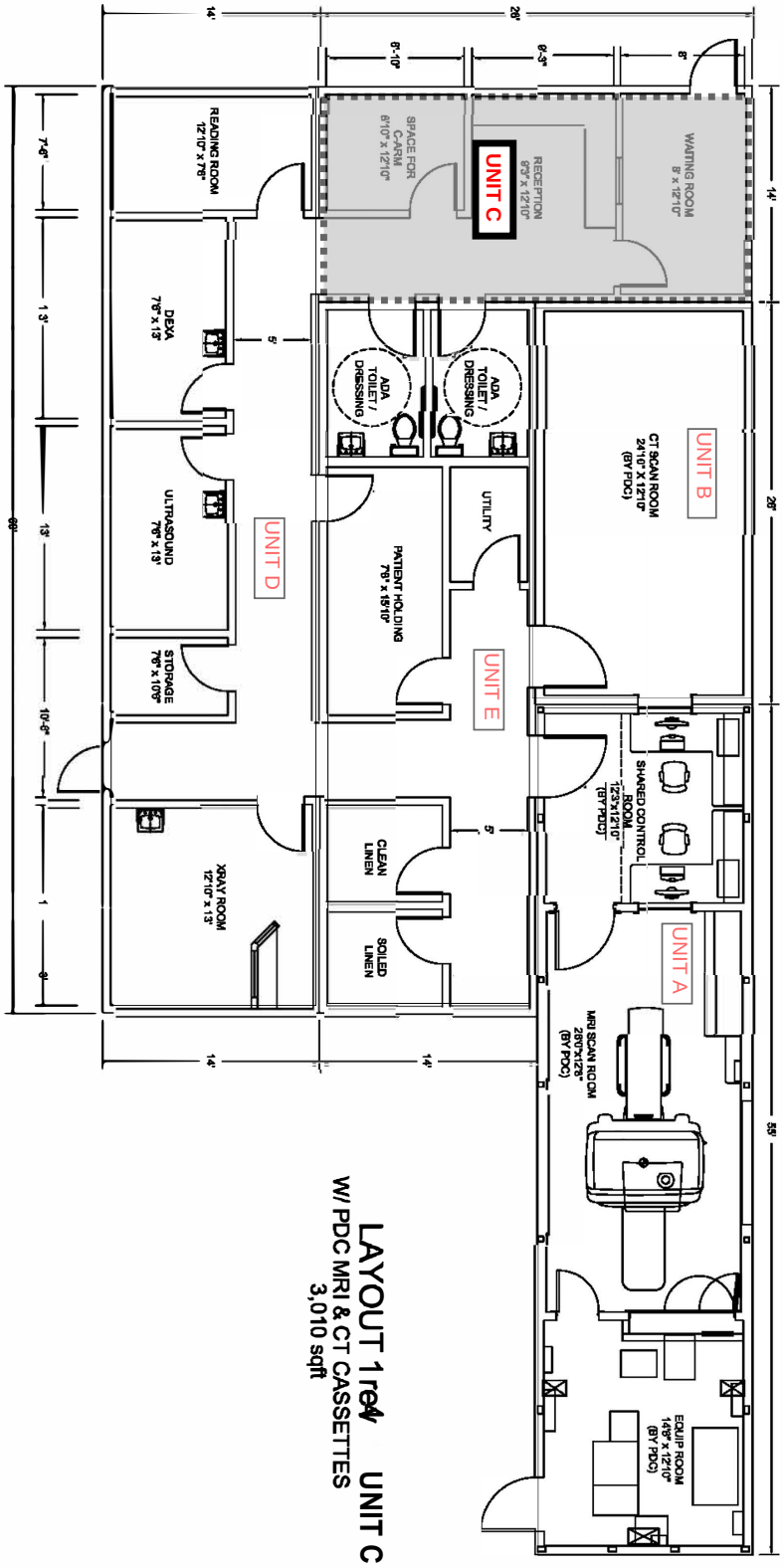
3. Exterior Elements:
   a. Furnishing and installing a brick veneer around the entire diagnostic imaging facility.
   b. Furnishing and installing a metal canopy at the main entrance to the diagnostic imaging facility.
4. Modular Buildings Specifications:
   a. Refer to the outline specification documents described above under "Site Preparation."
   b. All modular building interior design elements and finishes will be coordinated with the VA interior design staff.
5. Mechanical:
   a. Provide package roof top HVAC unit with electric reheat. Provide devices, controls, wiring, and programming to tie the HVAC unit into the VA's energy management system.
   b. Provide start up and check out of the HVAC unit and a complete test and balance report.
   c. Provide wet pipe fire suppression system throughout the entire diagnostic imaging facility. Provide connection to water source within the site provided by the VA.
   d. Provide domestic water connection to water source within the site provided by the VA.
   e. Provide sanitary and storm sewer connections to sanitary and storm sewer tie in points within the site provided by the VA.
6. Electrical:
   a. Provide fire alarm system design, devices, controls, wiring, and programming to tie the diagnostic imaging facility fire alarm system into the VA's fire alarm system.
   b. Provide nurse call system design, devices, controls, wiring, and programming to tie the diagnostic imaging facility nurse call system into the VA's nurse call system.
   c. Provide phone and data wall plates, conduits, and wiring to patch panels within the diagnostic facility. VA to provide wiring, finial connections, and programming from the patch panels to the VA main panels.
   d. Paging and security systems by the VA.

Work Elements Excluded:

1. Providing any work elements that are not specifically listed in the above Work Elements Included section.
2. Providing state and local drawing reviews and building permits and associated fees.
3. Providing any rough and finish site work, grading, landscaping, sidewalks, curb, etc.
4. Reinforcing any adjacent existing building structural system or elements.
5. Providing radiation designs, surveys or radiation safety plans.
6. Providing vibration remediation of excessive site vibration levels.
7. Removal or abatement of asbestos, mold, biohazard, or hazardous materials.
8. Providing a UPS system or associated battery cabinet(s) and bypass panel.
9. Piles or subsurface caissons.
10. Excavation and removal of rock or other subgrade impediments.

11. Site surveys.

gwh)



LAYOUT 1 rev UNIT C

W/ PDC MRI & CT CASSETTES

3,010 sqft

DRAWING NUMBER					
A1	VAMC PORTLAND - VANCOUVER CAMPUS 1601 E FOURTH PLAIN BLVD. VANCOUVER, WA 98661	OUTPATIENT MODULAR MRI/CT	DIMEN. FLOOR PLAN		
			SCALE: 1/8" = 1'-0"	DATE: 9/17/15	REVISION: 4

COLIN CONSTRUCTION COMPANY
DESIGNBUILD FOR HEALTHCARE
111 MARGARET LANE | GRASS VALLEY, CA 95945
O: 530.272.3357 | F: 530.272.4581 | WWW.COLINCC.COM

SPECIFICATION SHEET

				DESIGN LOADS:	
		Size:	14x28, 14x46, 14x60	Floor:	50
		Description:	Medical office for use w/ future MRI/CT cassettes	Wind:	110c
Location:	Vancouver, WA	Insignias:	WA	Roof:	30
Project:	**Portland/Vancouver VA MC**		**MBI Seals - One per Module**		

PERIMETER FRAME	
Size:	(1) 14 x 28, (1) 14 x 46, (1) 14 x 60
Main rails:	10" x 4" x 3/16" tube
Crossmembers/floor joists:	
Type 1 - End:	Same as main rails
Type 2 - Heavy duty	W6 x 15 @ 4' oc
Running gear	No
Primer/Paint	
Primer	Rustoleum Zinc coating (everything)
Paint	Perimeter only
Bottom cover prep:	1" x 1" x 1/8" steel angle
Insulation:	R30 rigid insulation
Decking/finish:	B-36 (20 ga) floor deck with 4" lightweight concrete
WALL FRAMING	
Framing (Exterior):	6" x 18 ga LGS @ 16" oc **Height: 12' nominal**
Framing (Interior):	3-1/2" x 18 ga LGS @ 16" oc Except plumbing wall to be 6" **Height: 10'8" nominal**
Steel posts:	6 x 6 steel tube at each corner - 3-1/2 x 3-1/2 steel tube at quarter points for top picking purposes
Cap beam:	Provide 6 x 4 "cap beam" at top of all exterior walls
Frame For:	Doors, windows
ROOF STRUCTURE	
Style:	"Flat"
Framing:	Rafter 6" x 18 ga LGS @ 16" oc attached inside perimeter walls
Ceiling Joists (RR's)	6" x 16 ga @ 2' oc
Bottom cover:	5/8" sheetrock firetaped (double layer for 1-hour fire rating)
Rims:	6" x 18 ga LGS track
Frame For:	Rooftop HVAC
Insulation:	R30 continuous rigid (min) on top of B-deck
NOTE:	Use 3-1/2" rigid + 4" to 0" tapered on top to achieve 1/4 / 12 roof slope
Sheathing:	20 ga B-36 deck
Venting:	None
EXTERIOR WALL FINISH	
Insulation (Exterior):	R19 fiberglass batt + min R10 rigid on exterior side of walls
Sheathing:	5/8" exterior gyp over 24 gauge sheet metal sheathing
Moisture protection:	Wrap lower 12" of building and corners with moistop - Wrap building with Typar building wrap
Siding:	Cementboard - smooth, then finished with Stuc-O-Flex
Trims:	None
ROOFING	
Cover:	Duralast (white) single ply 40 mil membrane, Class A (15 year warranty) over 1/2" Densdeck - run up and over mini parapet, walls - Cap parapet walls with concealed fastener - sheet metal cap flashings
Drainage:	Roof drains with internal downspouts Overflows plumbed internal to exit just above floors
NOTE:	**HVAC roof curb to be shipped loose for installation on site by others**
Mod Line Closeup:	Field weld (by Durolast certified installer(s))

SPECIFICATION SHEET

DOORS

EXT/INT	QTY	SIZE	TYPE	HINGE	LITE	FINISH	LOCK	DEADBOLT	CLOSER	OTHER
EXT	2	3 x 7	HM	SS-BBH NRP	NO	PAINT (textured)	Schlage ND50PD	NO	LCN 4040XP	Thresh, Sweep, Weatherstrip & Kickplate 1-side
INT *7, 9* *(Ultra Sound, X-ray)*	2	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND10PD	NO	LCN 4040XP	KICKPLATE
INT *1* (Waiting)	1	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND53PD	NO	LCN 4040XP	KICKPLATE
INT *3, 4* *(RR, Dressing)*	2	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND40PD	NO	NO	KICKPLATE
INT *8, 11, 13, 14* *(Storage, Utility, Linen)*	4	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND80PD	NO	NO	KICKPLATE
INT *5, 10, 12* *(Reading Room, Patient Hold)*	3	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND10PD	NO	NO	KICKPLATE
INT *2* *(Space for C arm)*	1	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND53PD	NO	NO	KICKPLATE
INT *6* (Dexa)	1	3 x 7	KDHM SPL	BBH	NO	PAINT/ FRAME	Schlage ND53PD	NO	NO	KICKPLATE

PROVIDE WALL BUMPERS FOR ALL INTERIOR DOORS

EXTERIOR
HM = Insulated Steel door/Welded Steel Jamb/Galvanized

INTERIOR
KDHM = Knock Down Hollow Metal
SPL = Solidcore P-lam

LOCKS
Schlage ND50PD Entrance
Schlage ND53PD Entrance
Schlage ND40PD Privacy
Schlage ND80PD Storeroom
Schlage ND10PD Passage

Main Entry door to have Horton Auto-Operator with push button and a 1070 tempered sidelite.

WINDOWS

	EXT/INT	QTY	SIZE W x H	BRAND	SLIDER	GLAZING
1	INT	1	4 x 3	YES	HORIZONTAL	SINGLE - SHOP BUILT

FLOOR COVER	
Restrooms: Dressing Room	Sheet vinyl - Armstrong, Medintech with heat welded seams
Base:	Cove sheet vinyl up walls 4"
All Else:	Armstrong "Standard Excelon" 1/8" VCT
NOTE:	**Lay VCT in 50% offset layout**
Base:	4" rubber
WALL COVER	
Insulation (Interior):	R11 acoustic fiberglass batt @ all walls full height to rafters, except insulate only 1 wall at dble mod line walls.
Restrooms:	4' Acrovyn (laid up on gypsum) wainscot all 4 walls - Finish room with 5/8" Gypsum "Light Orange Peel" texture
NOTE:	**Use moisture resistant gypsum in restroom**
All Else:	5/8" Gypsum "Light Orange Peel" texture
Type of Paint:	Pittsburgh Paints (Speedhide - Eggshell) or equal
NOTE:	**All Interior walls painted 1 color only - Additional colors will incur an additional charge**
CEILING	
Entire Building:	2' x 2' T-bar grid & tile - Armstrong "Cortega" #770 square edge, except provide gypsum ceiling in RR
Ceiling Height:	8'-0"

We assume 4# leaded drywall (up to 7'), window, and doors in the Xray room. Shielding report by others.

SPECIFICATION SHEET

INTERIOR TRIM		
Wainscot:	Plastic or aluminum inside corners - Plastic or alum J at top of wainscot	
Window casing:	None	
Doors (exterior):	Caulked & painted HM frame	
Doors (interior):	Painted HM frames	
SPECIALTIES		
Toilet Tissue:	(2) single roll - Bobrick	B-2730
Mirror:	(2) 18"x30" - Glass with no frame	
Grab Bars:	(2) 36" & (2) 42" & (2) 18"	
Corner Guards:	Furnish & install 2" x 2" x 4' Acrovyn corner guards at all (6) outside corners	
CABINETS		
Type:	Plastic laminate	
Brand/Style:	Cascade Casework	
For	Reading & Reception	
Countertop:	Plastic laminate	
Backsplash	Same as top	
Front edge:	Same as top	
HVAC	See attached for more specifics	
Comb Heat/AC:	Carrier 13 SEER Package HP - roof top with Economizer (2 units)	
Ducting:	Overhead	
Diffuser:	24" x 24" T-bar	
Thermostat:	(2) Programmable - 7 day, stand alone	
Ship loose:	Roof top units with curbs	
NOTE:	**Start up, testing and balancing on site by Pacific Mechanical**	
PLUMBING		
Toilet - Handicap:	(2) Handicap Height, Elongated Bowl, Pressure Assist	Gerber 21-318
Lavatory:	(2) 19" x 17" Wall Hung, One Piece Wall Hanger	Gerber 12-314
Faucet Sensor	(2) Electronic Hand Washing Faucet	Sloan ETF-600
Water Heater:	(1) Electric Tankless Water Heater 240V - 7.5kw - 32A	Eemax EX75T
NOTE:	**Water Heater mounted on wall in Restroom below Lavatory**	
Roof Drains:	(6) PVC Body, Gravel Guard, Dome Strainer	Sioux Chief 867-P3
Water Lines:	Copper and Aquapex - Single Point Water Stub	
Sewer Lines:	PVC DWV Schedule 40 Plastic - Single Point Waste Stub	
NOTE:	**Plumbing tree stubbed to one point connection - Provided by Blazer - Installed on site by others**	
EXCLUDE:	**CONDENSATE - GAS**	

Reading Room, DEXA, Ultrasound, Storage, Hall and X-ray rooms

1. One Carrier 2 ½ ton 13 SEER pkg. heat pump with 7 K.W. electric strip and economizer
2. Engineered drawings
3. All ducting per our design
4. Grilles, registers and diffusers
5. Seven day programmable stand-alone thermostat
6. Travel expenses to Blazer and Portland job site
7. Start up and test
8. In house balance (not certified)
9. One year parts and labor warranty

Waiting Room, Reception, Space for C-ARM, Restrooms, Patient Holding, Utility , Clean and Soiled linens

1. One Carrier 3 ton 13SEER pkg. heat pump with 7 K.W. electric strip and economizer
2. Engineered drawings
3. All ducting per our design
4. Restroom exhaust
5. Grilles, registers, and diffusers
6. Seven day programmable stand-alone thermostat
7. Start up and test
8. In house balance (not certified)
9. One year parts and labor warranty

Excluding:

1. Anything to do with the MRI or C/T scan room
2. On – site crane or fork lift
3. Permits if required
4. Cutting, patching or painting if required
5. Commissioning if required
6. Condensate drain piping

SPECIFICATION SHEET

ELECTRICAL		
Service:	**Provided and installed on site by others**	
Meter Base:	**Provided and installed on site by others**	
Panel:	(1) 200 amp 120/208 volt - Stub thru exterior wall	
Material:	Metallic Raceway System - EMT, MC Cable and/or Flex Conduit	
Receptacles:	(35) Duplex 20 amp	
	~~(5)~~ Dedicated 20 amp (10)	
	(2) 20 amp GFCI	
	(2) 20 amp WP GFCI	
Switches:	(6) 3 way	
	(5) Single pole 0-10V dimmer	
Automatic Controls:	(6) Occupancy sensors - **Wall mount**	
	(5) Occupancy sensors - **Ceiling mount**	
Phone/Data Box:	(10) 4" square boxes with single gang mud ring - Stub up and down with 3/4" flex conduit - **Wire and Devices provided and installed on site by others**	
NOTE:	**All devices and face plates to be White**	
Wire For:	Roof Mount Packaged Heat Pump with Economizer per Pacific Mechanical	
	Programmable Thermostats per Pacific Mechanical	
	(1) Electric Tankless Water Heater 240V - 7.5kw - 32A	
	(2) Sensored faucets	
Sign circuit:	(1) 20 amp dedicated circuit	
Lights:	(20) Troffer 2'x4' - 2-tube with T-8, 32 watt tubes and single electronic ballasts	
	(6) Troffer 2'x4' - 3-tube with T-8, 32 watt tubes and single electronic **dimmable** ballasts	
Exterior Light:	(2) 42 watt fluorescent with vandal resistant cover and integral Photo Cell	Lithonia OWPS 42F
Ext. Emergency Light:	(2) dual head with battery back up	Compass CSWEU2
Exit-Emergency Combo:	(3) Illuminated with dual head emergency lights and battery back up - **Red Letters**	Lithonia LHQM
Int. Emergency Light:	(3) dual head with battery back up	Lithonia ELM2
Exhaust Fan:	(2) Restroom exhaust fan Switched with light in Restroom (by Pacific Mechanical)	
FA Raceway Only:	(1) Exterior Horn/Strobe - (2) Pull Station - (15) Interior Horn/Strobe - 4" square boxes (painted red) with single gang mud ring (painted red) - Stub up only with 1/2" flex conduit	
EXCLUSIONS:	**ALL SERVICE EQUIPMENT**	
	ALL LOW VOLTAGE DATA/PHONE/TV CABLING	
SPRINKLER SYSTEM - ~~No~~	Yes; city water to be brought to site within 10LF of modular building.	
OTHER		
Building Height:	13'-2" - Add transport trailer height to get total shipping height	
Closeup:	Shrinkwrap entire building	
Wire sliders:	Provide (2) per module	
Other:	Provide roof hatch & ladder. Hatch to be field installed by other.	