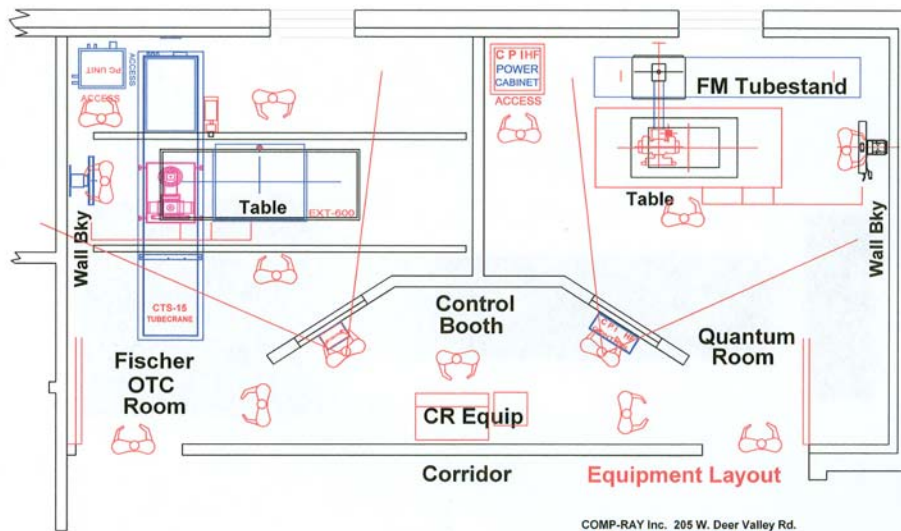


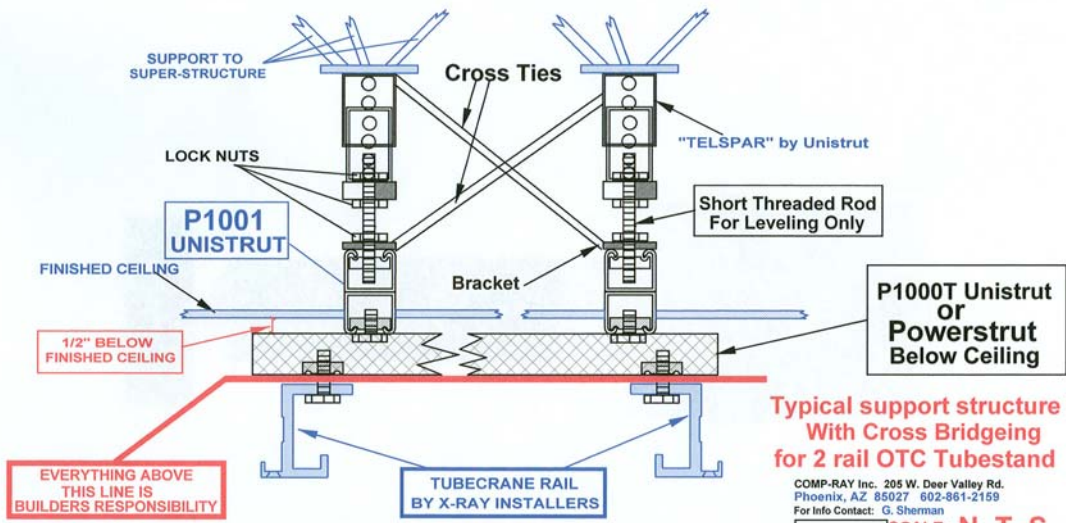
COMP-RAY Inc. 205 W. Deer Valley Rd.
 Phoenix, AZ 85027 602-861-2159
 For Info Contact: G. Sherman

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



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SUPPORT SPECS FOR OVERHEAD RAILS OVERHEAD TUBE CRANE

Provide 2 Runs of P1001 UNISTRUT in and above ceiling; **72" CENTER TO CENTER**
Rear **UNISTRUT** centerline to be **34"** from (and parallel to) **WALL**

Support and brace in **ALL DIRECTIONS** to building structure.

Long UNISTRUTS to protrude **1/2" BELOW** finished ceiling.

Long UNISTRUTS to run **FULL LENGTH** of room; (or as specified) preferably unspliced.

Long UNISTRUTS to be **PARALLEL** to each other and **LEVEL** over entire length.

MAXIMUM DEFLECTION SHALL NOT TO EXCEED 1/8" any point any direction.

Provide and attach (with **UNISTRUT hardware**) - **7 pcs** of **P1000 UNISTRUT (or SUPERSTRUT)**
78" Long below ceiling perpendicular to above ceiling structure. These pcs are to be spaced at **26"** on center as shown on OTC Rail dimension print.

Ceiling structure must Support 900 LBS. Rolling Load.

O T C rails provided by X-RAY supplier will attach to **UNISTRUTS**.

ALL rail support and bracing **MUST** be engineered/designed by a **REGISTERED STRUCTURAL ENGINEER.**

Finished ceiling height to **8' - 8" min. to 9' - 2" max. AFF.**

Project Name: ___

Date: ___ - ___ - 03

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COMP-RAY Inc.
205 W. Deer Valley Rd. Phoenix, AZ 85027-2108
Phone: 602-861-2159 FAX: 623-581-3830
E-Mail: xrayariz@AOL.com

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Quantum 37.5 KW RAD Room Electrical Requirements

X Panel

Provide Flush 200 Amp Load Center, 250 Volt Rated, S/N & Grnd. Buss.
INSULATED GROUND to S.E.S. Mount at a height according to CODE

VOLTAGE MUST BE 240 VOLTS NOT 208 for X-Ray Generator Power

Max. Momentary Load = 200 Amps at 240 VAC (5 Amps Standby)

Provide Breakers: 1 – 125 Amp 2 Pole (X-Ray Generator Cab.)
2 – 20 Amp 1 Pole (Misc. Equipment)

Provide Wire: (2 - #2) Pwr, (1 - #6) Grnd. **X to C** Leave 6' Pigtails

Provide Wire: (3 - #12) for 120 Volt Ckts. **X to C, D** Leave 2' Pigtails

B Control	Provide	6" X 6" X 4"	Flush J – Box 24" AFF. to Bottom.
C X-ray Generator	Provide	12" X 12" X 4"	Flush J – Box 12" AFF. to Bottom.
D Table	Provide	12" X 12" X 6"	Flush J – Box IN FLOOR.
F Wall Unit	Provide	6" X 6" X 4"	Flush J – Box 24" AFF. to Bottom.

CONVENIENCE RECEPTACLES **Provide:** At Least 1 in X-RAY Room for Equip. Service & Maint. & others as indicated.

***** NOTES *****

1. USE ONLY COPPER WIRE THROUGHOUT
2. DO NOT USE FLEX CONDUIT
3. ALL J - BOX COVERS ARE TO BE **1" OVERSIZE**
4. ALL WORK IS TO CONFORM TO N.E.C. AND LOCAL CODES
5. "X-RAY IN USE" light: If this option is used, run conduit & wire from "LIGHT" to C.

Project Name: ___
Date: ___ - ___ - 03

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Phone: 602-861-2159 FAX: 623-581-3830
E-Mail: xrayariz @AOL.com

X-RAY Film Darkroom General Requirements

Provide Flush 230 or 120-Volt Recpt. at 24" AFF. for Processor power. **MUST BE A DEDICATED CIRCUIT**
[CHECK PROCESSOR POWER SPECS]

Provide DUPLEX CONV. RECPT. above counter back-splash for ID printer.

Provide SWITCHED "WHITE LIGHT" in ceiling for PROCESSOR SERVICE & MAINT.
Mount switch **INSIDE** darkroom **72"** AFF. at doorway.

Provide SWITCHED DUPLEX RECPT. **84"** AFF. for a surface Mounted "SAFE-LIGHT" above Counter.
Mount switch **INSIDE** darkroom **48"** AFF. at doorway.

Provide SWITCHED EXHAUST FAN in room. **EXHAUST OUT OF BUILDING..**
Mount switch **INSIDE** darkroom **48"** AFF. at doorway.

Provide 3" Exhaust Duct (minimum). **EXHAUST OUT OF BUILDING.**
Stub duct 3" out of wall 24" AFF. to connect to Processor.

Provide COLD WATER (1/2") with IN-LINE BACK FLOW PREVENTER / REGULATOR;
(WATTS model 007QT Series or equiv.), as dictated by LOCAL PLUMBING CODES.
Mount regulator 84" AFF. or Remote to prevent injury to personnel & to prevent plumbing damage.

Provide SHUTOFF VALVES AFTER REGULATOR.
Terminate with a "T" with 2 BALL VALVES and HOSE CONNECTORS. Mount "T" assembly at **60"** AFF.

Provide FLOOR SINK with top grate. Grate to have 1/4 cutout. Minimum drain flow rate to be 5 GPM.

Provide for PROCESSOR installation (IF REQUIRED); FINISHED OPENING through wall ____ "H X ____ W.
Bottom of hole to be ____ " AFF. Edge of hole to be 12" (min.) from walls for SERVICE ACCESS.
CHECK PROCESSOR SIZE

Provide for PASS-BOX Installation (IF REQUIRED); FINISHED OPENING through wall ____ "H X ____ "W.
Bottom of hole to be 42" AFF. Edge of hole to be 4" (min.) from BACK WALL per darkroom print.
CHECK PASS-BOX SIZE

**COUNTER-TOP MUST BE BRACED TO SUPPORT 150+ LBS. OF EQUIPMENT
OPEN UNDERNEATH FOR CHEMICAL TANKS AND FILM BIN**

VERTICAL CLEARANCE UNDER COUNTER MUST BE 34" CLEAR for FILM BIN

**DARKROOM MUST BE COMPLETELY "LIGHT TIGHT" By
Contractor (Not by COMP-RAY)**

Project Name: ____
Date: __ - __ - 03

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Phone: 602-861-2159 FAX: 623-581-3830
E-Mail: XRAYARIZ @AOL.com

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Typical Darkroom Water & Sink Setup

