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# INTERVENTIONAL RADIOLOGY - TARRYTOWN

ISSUE FOR BID  
ADDENDUM #1

10.04.2021

10.12.2021

155 White Plains Road  
Tarrytown, NY 10591

**Gensler**  
Architect

1700 Broadway  
Suite 400  
New York, NY 10019  
Phone: 212.492.1400  
Fax: 212.492.1472

**LORING**  
MEFPF

21 Pennsylvania Plaza  
New York, NY 10001  
Phone: 212.563.7400

**HARMANGROUP**  
Structural

450 7th Avenue  
#1008  
New York, NY 10123  
Phone: 212.433.2326

**MER**  
Medical Planner

901 Manchester Avenue  
Moylan, PA 19065  
Phone: 610.55.4607

## SCOPE OF WORK

INTERIOR FIT OUT FOR A 2,372 SF INTERVENTIONAL RADIOLOGY DEPARTMENT

## APPLICABLE CODES

BUILDING CODE: 2020 BUILDING CODE OF NEW YORK STATE & 2020 EXISTING BUILDING CODE OF NEW YORK STATE  
 PLUMBING CODE: 2020 PLUMBING CODE OF NEW YORK STATE  
 MECHANICAL CODE: 2020 MECHANICAL CODE OF NEW YORK STATE  
 FUEL GAS CODE: 2020 FUEL GAS CODE OF NEW YORK STATE  
 FIRE CODE: 2020 FIRE CODE OF NEW YORK STATE  
 ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE  
 ACCESSIBILITY CODE: I.C.C./ANSI A117.1-2009  
 ENERGY CONSERVATION: 2020 NYC ENERGY CONSERVATION CODE OF NEW YORK STATE

## ACCESSIBILITY REQUIREMENTS

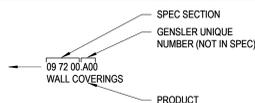
ACCESSIBILITY CODE: I.C.C./ANSI A117.1-2009 W/ NEW YORK STATE AMENDMENTS PER THE 2020 BUILDING CODE OF NEW YORK STATE

ACCESSIBLE ENTRANCES: AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE. THE PRIMARY ENTRANCE(S) USED BY THE GENERAL PUBLIC SHALL BE ACCESSIBLE. (220 NYS BC-1105.1)

## ENERGY CODE

ENERGY CODE: 2020 NYC ENERGY CONSERVATION CODE OF NEW YORK STATE & ASHRAE 90.1-2016  
 GROUP-A  
 BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 4 (A,B,C)  
 OPAQUE ELEMENTS:  
 WALLS (ABOVE GRADE): MASS - R-9.5 C.I.  
 SWINGING - U-0.61  
 OPAQUE DOORS: NON-SWINGING DOORS - U-0.21

## KEYNOTING SYSTEM

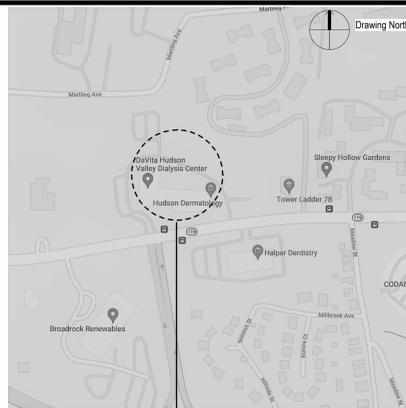


## VICINITY MAP



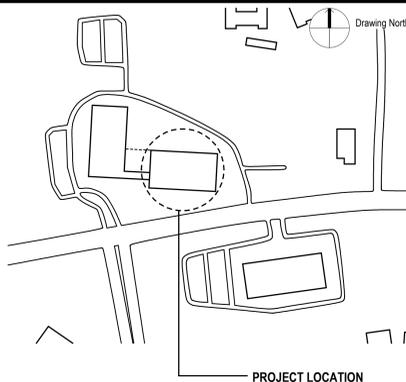
PROJECT LOCATION

## LOCATION MAP



PROJECT LOCATION

## SITE PLAN (SP100)



PROJECT LOCATION

## PROJECT INFORMATION

BUILDING ADDRESS	155 WHITE PLAINS RD TARRYTOWN, NY 10591
TAX ID	1.201 - 121 - 5.11
LOT AREA	6.508 ACRES
BUILDING OCCUPANCY CLASSIFICATION	BUSINESS (B)
CONSTRUCTION TYPE	II-B
FIRE PROTECTION	FULLY SPRINKLERED
ZONING DISTRICT	OFFICE BUILDING
FEMA FLOOD ZONE	N/A
TOTAL NUMBER OF STORIES	1
BUILDING HEIGHT	13' - 0"
TOTAL BUILDING FLOOR AREA	19,492 SF

## HAZARDOUS MATERIAL NOTES

IN THE EVENT OF HAZARDOUS MATERIAL OR OTHER TOXIC SUBSTANCE EXPOSURE OR THE SUBSTANTIAL RISK THEREOF, CLIENT WILL HAVE THE DUTY TO INFORM ARCHITECT OF SUCH RISKS KNOWN OR REASONABLY KNOWABLE TO CLIENT. IF HAZARDOUS MATERIAL OR ANY OTHER TOXIC SUBSTANCE, OR RISKS TO EXPOSURE THEREOF IS DISCOVERED BY ARCHITECT DURING WORK ON THE PROJECT, ARCHITECT SHALL, IN ITS SOLE DISCRETION, HAVE THE RIGHT TO SUSPEND WORK ON THE PROJECT. CLIENT SHALL HAVE THE DUTY PROMPTLY TO RETAIN A QUALIFIED EXPERT SAFELY TO RENDER OR SUPERVISE THE REMOVAL OF SUCH HAZARDOUS MATERIAL OR OTHER TOXIC SUBSTANCE. CLIENT SHALL INDEMNIFY AND HOLD ARCHITECT, ITS AFFILIATES AND SUB-CONTRACTORS, AND THEIR OFFICERS, AGENTS AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY ON PART OF OR DAMAGE TO SUCH ENTITIES OR PERSONS, INCLUDING THE COST OF LEGAL FEES AND EXPENSES, AS SUCH FEES AND EXPENSES ARE INCURRED, WHICH MAY RESULT FROM HAZARDOUS MATERIAL OR OTHER TOXIC SUBSTANCE EXPOSURE ON THE PROJECT.

## DRAWING INDEX

NEW ISSUE REVISED ISSUE ISSUED WITH NO CHANGES REVISED - NOT ISSUED / SK ISSUED

SHEET NUMBER	SHEET NAME	STATUS	COMMENTS
G-000	COVER SHEET	NEW ISSUE	
G-001	INDEX	NEW ISSUE	
G-002	GENERAL NOTES	NEW ISSUE	
G-003	GRAPHIC SYMBOLS	NEW ISSUE	
G-101	LIFE SAFETY PLAN - FLOOR 01	NEW ISSUE	
G-201	EXISTING FLOOR PLAN - LEVEL 01	NEW ISSUE	
DM-201	DEMOLITION PLAN - LEVEL 01	NEW ISSUE	
DM-202	DEMOLITION PLAN - ROOF	NEW ISSUE	
A-010	PARTITION TYPES	NEW ISSUE	
A-040	DOOR SCHEDULE	NEW ISSUE	
A-050	FINISH SCHEDULES	NEW ISSUE	
A-201	CONSTRUCTION PLAN - LEVEL 01	NEW ISSUE	
A-202	CONSTRUCTION PLAN - ROOF	NEW ISSUE	
A-301	POWER & COMM PLAN - LEVEL 01	NEW ISSUE	
A-401	REFLECTED CEILING PLAN - LEVEL 01	NEW ISSUE	
A-501	FINISH PLAN - LEVEL 01	NEW ISSUE	
A-601	FURNITURE PLAN - LEVEL 01	NEW ISSUE	
A-701	EQUIPMENT PLAN - LEVEL 01	NEW ISSUE	
A-801	EXTERIOR ELEVATIONS	NEW ISSUE	
A-802	INTERIOR ELEVATIONS	NEW ISSUE	
A-803	INTERIOR ELEVATIONS	NEW ISSUE	
A-901	DETAILS - CEILING TRANSITIONS	NEW ISSUE	
A-911	DETAILS - ROOF	NEW ISSUE	
A-912	DETAILS - ROOF	NEW ISSUE	
A-913	DETAILS - ROOF	NEW ISSUE	
A-921	DETAILS - FLOORING TRANSITIONS	NEW ISSUE	
A-941	DETAILS - DOORS AND FRAMES	NEW ISSUE	
A-951	DETAILS - MILLWORK	NEW ISSUE	
<b>ELECTRICAL</b>			
E-001.00	ELECTRICAL COVER SHEET	NEW ISSUE	
E-002.00	ELECTRICAL NOTES	NEW ISSUE	
E-101.00	ELECTRICAL LEVEL 01 DEMOLITION PLAN	NEW ISSUE	
E-201.00	ELECTRICAL LEVEL 01 POWER PLAN	NEW ISSUE	
E-202.00	ELECTRICAL PARTIAL ROOF POWER PLAN	NEW ISSUE	
E-301.00	ELECTRICAL LEVEL 01 LIGHTING PLAN	NEW ISSUE	
E-401.00	ELECTRICAL PARTIAL SINGLE-LINE DIAGRAM	NEW ISSUE	
E-501.00	ELECTRICAL SCHEDULES	NEW ISSUE	
E-601.00	ELECTRICAL DETAILS	NEW ISSUE	
<b>FIRE PROTECTION</b>			
FA-001.00	FIRE ALARM COVER SHEET	NEW ISSUE	
FA-002.00	FIRE ALARM NOTES	NEW ISSUE	
FA-201.00	FIRE ALARM LEVEL 01 PLAN	NEW ISSUE	
<b>HVAC</b>			
M-001	MECHANICAL SYMBOL LIST, NOTES, & ABBREVIATIONS	NEW ISSUE	
M-101	MECHANICAL LEVEL 01 DUCTWORK DEMOLITION PLAN	NEW ISSUE	
M-102	MECHANICAL LEVEL 01 PIPING DEMOLITION PLAN	NEW ISSUE	
M-201	MECHANICAL LEVEL 01 NEW DUCTWORK PLAN	NEW ISSUE	
M-202	MECHANICAL LEVEL 01 NEW PIPING PLAN	NEW ISSUE	
M-203	MECHANICAL ROOF PLAN	NEW ISSUE	
M-300	MECHANICAL SCHEDULES	NEW ISSUE	
M-400	MECHANICAL DETAILS SHEET 1 OF 1	NEW ISSUE	
<b>PLUMBING</b>			
P-001	PLUMBING NOTES, SYMBOLS, SCHEDULES, DETAILS & DIAGRAM	NEW ISSUE	
P-002	PLUMBING SPECIFICATIONS	NEW ISSUE	
P-101	PLUMBING DEMOLITION PLAN	NEW ISSUE	
P-201	PLUMBING PLANS	NEW ISSUE	
<b>SPRINKLER</b>			
SP-001	SPRINKLER SCHEDULE, SYMBOLS, ABBREVIATIONS, & NOTES	NEW ISSUE	
SP-101	SPRINKLER LEVEL 01 DEMOLITION PLAN	NEW ISSUE	
SP-201	SPRINKLER LEVEL 01 PLAN	NEW ISSUE	
<b>STRUCTURAL</b>			
S-000	GENERAL NOTES / DRAWING LIST	NEW ISSUE	
S-201	LEVEL 1	NEW ISSUE	
S-202	ROOF LEVEL/DUNNAGE FRAMING PLAN	NEW ISSUE	
S-300	DETAILS	NEW ISSUE	

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Date	Description
09.23.2021	DSG-1.0 SCHEMATIC DESIGN
10.04.2021	ISSUE FOR BID
10.12.2021	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
Project Number  
**06.3757.000**  
Description  
**INDEX**

Scale  
As indicated

## G-001

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United States  
Tel 610.565.4607

## GENERAL NOTES

- A. REMOVE ALL EXISTING FURNITURE AND CASEWORK U.N.O.
- B. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED TO RECEIVE NEW FLOOR FINISHES. U.N.O. ENSURE FLOOR LEVEL TO 1/4" OF TOLERANCE PRIOR TO WORK.
- C. REMOVE EXISTING CEILINGS, DUCTWORK, LIGHTING AND OTHER CEILING MOUNTED DEVICES. U.N.O.
- D. REMOVE DESIGNATED PARTITIONS, COMPONENTS, BUILDING EQUIPMENT AND FIXTURES AS REQUIRED FOR WORK.
- E. REMOVE EXISTING OUTLETS, DEVICES, MONITORS, CHAIR RAIL, EQUIPMENT, ETC ON EXISTING PARTITIONS. PATCH AND REPAIR EXISTING PARTITIONS AS NEEDED.
- F. DURING DEMOLITION, PATCH AND REPAIR ANY DAMAGED GYPSUM BOARD AT EXISTING WALLS USING PARTITION TYPE G1A. PRIOR TO CLOSING UP EXISTING WALLS WITH GYPSUM BOARD, REVIEW ELECTRICAL DRAWINGS FOR ANY POWER/DATA LOCATIONS.
- G. REFER TO MEFPF & STRUCTURAL DRAWINGS FOR MORE DEMOLITION INFORMATION.

## SHEET NOTES

- 09 REMOVE EXISTING ROOFING AS NECESSARY TO INSTALL NEW STRUCTURAL SUPPORTS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 10 PROVIDE NEW OPENING IN EXISTING ROOF AND SAW CUT EXISTING CONCRETE. PROVIDE BLOCKING, FLASHING AND SAFING AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY, WATER-TIGHTNESS AND THERMAL INTEGRITY.
- 11 REMOVE EXISTING ROOFING AS NECESSARY TO INSTALL NEW ROOF CURBS. REFER TO MEFPF & STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- 12 REMOVE ANY EXISTING ROOF TOP EQUIPMENT AS REQUIRED. SEE MEFPF AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.

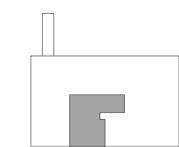
Date	Description
10.04.2021	ISSUE FOR BID
A 10.12.2021	ADDENDUM#1

Seal / Signature

## LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- - - EXISTING CONSTRUCTION TO BE DEMOLISHED

## KEY PLAN



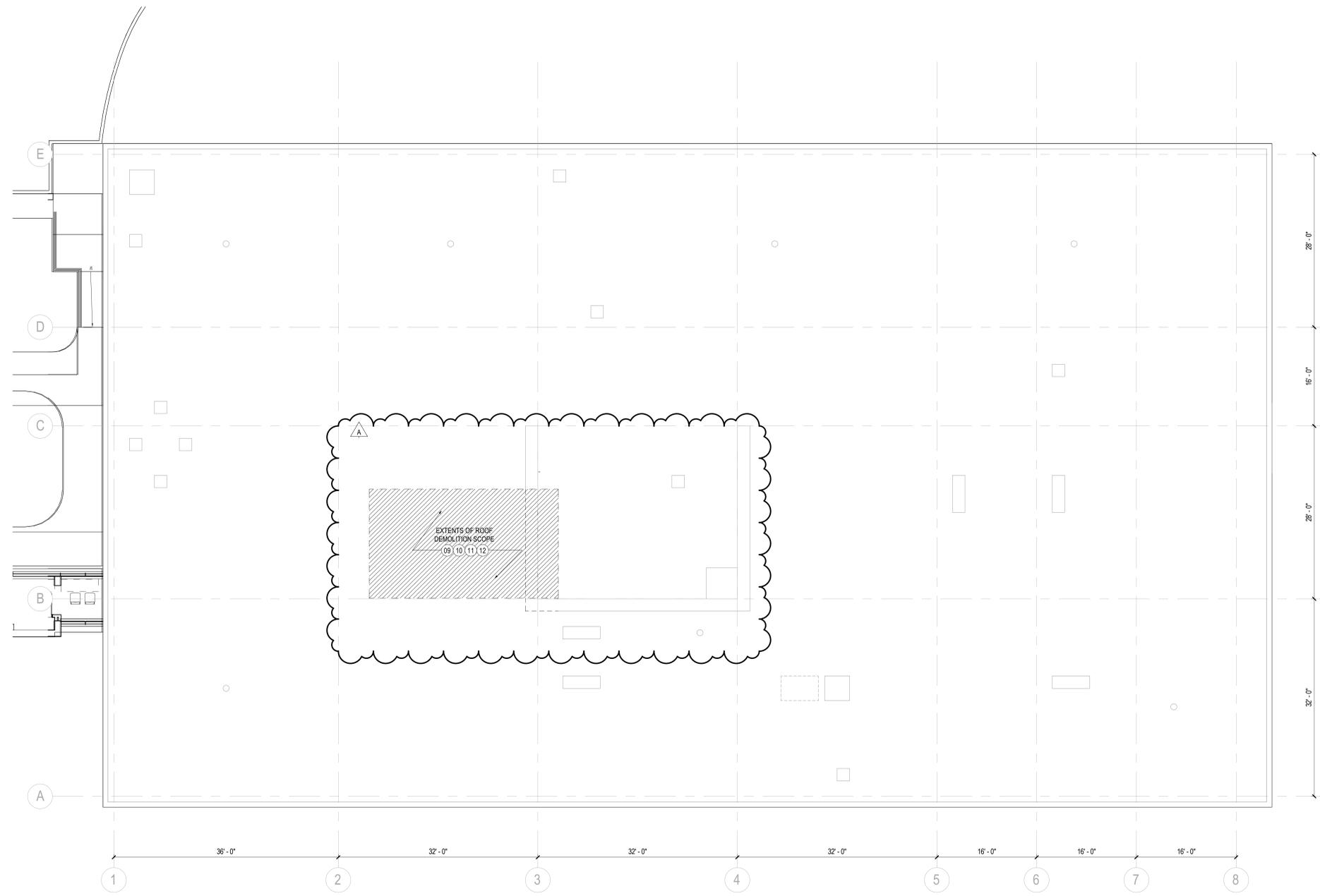
Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**06.3757.000**

Description  
**DEMOLITION PLAN - ROOF**

Scale  
**1/8" = 1'-0"**

# DM-202



# 1 DEMOLITION PLAN - ROOF

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



**FINISH SCHEDULE**

CUBICLE CURTAINS (CC##)	PLASTIC LAMINATE (PL##)	RESILIENT SHEET FLOORING (RS##)	SOLID SURFACING (SO##)	TILING (TL##)
<p><b>10 21 23 CUBICLE CURTAIN</b>                      NAME: BLITZ                      MANUFACTURER: GUILFORD OF MAINE                      COLOR NAME: HEATHER                      WIDTH: 72"                      FABRIC: 50% FR POLYESTER, 50% POST CONSUMER RECYCLED POLYESTER                      LOCATION: PRE POST BAY                      REPEAT: 35-3/4"V, 3-3/4"H                      CONTACT NAME: LISA BRESSLER                      CONTACT EMAIL: LBRESSLER@MOMTEX.COM</p>	<p><b>06 40 23 ARCHITECTURAL WOOD WORK</b>                      DESCRIPTION: PLASTIC LAMINATE, HDPL                      MANUFACTURER: WILSONART                      MODEL NAME: HIGH PRESSURE LAMINATE                      MODEL NUMBER: 2HAKZLAK                      COLOR NAME: CLEAR OAK                      FINISH: FINE VELVET TEXTURE FINISH                      LOCATION: GENERAL MILLWORK                      CONTACT NAME: KYLE SUPLEY                      CONTACT PHONE: 516-935-6980                      CONTACT EMAIL: KYLE.SUPLEY@WILSONART.COM</p> <p><b>06 40 23 ARCHITECTURAL WOOD WORK</b>                      DESCRIPTION: PLASTIC LAMINATE, HDPL                      MANUFACTURER: WILSONART                      MODEL NAME: HIGH PRESSURE LAMINATE                      MODEL NUMBER: D81                      COLOR NAME: SLATE GREY                      FINISH: FINE VELVET TEXTURE FINISH                      LOCATION: STAFF LOUNGE                      CONTACT NAME: KYLE SUPLEY                      CONTACT PHONE: 516-935-6980                      CONTACT EMAIL: KYLE.SUPLEY@WILSONART.COM</p> <p><b>06 40 23 ARCHITECTURAL WOOD WORK</b>                      DESCRIPTION: PLASTIC LAMINATE, HDPL                      MANUFACTURER: FORMICA                      MODEL NAME: COLOR CORE 2                      MODEL NUMBER: 7223                      COLOR NAME: NEW WHITE                      FINISH: MATTE                      LOCATION: RECEPTION DESK INTERIOR                      CONTACT NAME: KATHLEEN SCHIELKE                      CONTACT PHONE: 646-302-5540                      CONTACT EMAIL: KATHLEEN.SCHIELKE@FORMICA.COM</p>	<p><b>09 65 36 STATIC-CONTROL RESILIENT FLOORING</b>                      DESCRIPTION: HOMOGENOUS VINYL FLOORING                      MANUFACTURER: TARKETT                      MODEL NAME: IQ NATURAL                      MODEL NUMBER: 21103184                      SIZE: 2 X 23 M                      COLOR NAME: NATURAL LIGHT GREY                      THICKNESS: 2 mm                      LOCATION: PROCEDURE &amp; IR PROCEDURE, EXAM, CLEAN SUPPLY, EVS, SOILED ROOM                      INSTALLATION: HEAT WELDED                      CONTACT NAME: JOHN MAIOLO                      CONTACT PHONE: 516-967-0017                      CONTACT EMAIL: JOHN.MAIOLO@TARKETT.COM</p>	<p><b>06 40 23 SOLID SURFACING, INTERIOR ARCHITECTURAL WOODWORKING</b>                      DESCRIPTION: SOLID SURFACING                      MANUFACTURER: CORIAN                      COLOR NAME: ANTRACTICA                      LOCATION: ALL COUNTERTOPS WITH INTEGRATED SINKS                      CONTACT NAME: ELIZABETH CORNISH-CUNNINGHAM                      CONTACT PHONE: 917-734-8745                      CONTACT EMAIL: ELIZABETH.ANN.CORNISH-CUNNINGHAM@DUPONT.COM</p> <p><b>06 40 23 SOLID SURFACING, INTERIOR ARCHITECTURAL WOODWORKING</b>                      DESCRIPTION: SOLID SURFACING                      MANUFACTURER: COSENTINO                      MODEL NAME: DEKTON                      COLOR NAME: GALEMA                      LOCATION: RECEPTION DESK                      CONTACT NAME: HARRIETTE THOMAS                      CONTACT PHONE: 917-821-5852                      CONTACT EMAIL: HTHOMAS@COSENTINO.COM</p>	<p><b>09 30 00 TILING</b>                      DESCRIPTION: PORCELAIN TILE                      MANUFACTURER: STONE SOURCE                      MODEL NAME: ALLURE GREY SOFT BRUSH                      COLOR NAME: HAMMERED                      FINISH: SOFT BRUSH HAMMERED                      TILE SIZE: 12" X 24"                      LOCATION: PATIENT AND STAFF TOILET WALL                      CONTACT NAME: ALEX BELTRA                      CONTACT PHONE: 917-338-9510                      CONTACT EMAIL: ALEXBELTRA@STONESOURCE.COM</p> <p><b>09 30 00 TILING</b>                      DESCRIPTION: PORCELAIN TILE                      MANUFACTURER: STONE SOURCE                      MODEL NAME: MARMO BIANCO-CHEVRON                      COLOR NAME: MATE                      FINISH: NATURAL                      TILE SIZE: 3" X 24"                      LOCATION: PATIENT AND STAFF TOILET ACCENT WALL                      CONTACT NAME: ALEX BELTRA                      CONTACT PHONE: 917-338-9510                      CONTACT EMAIL: ALEXBELTRA@STONESOURCE.COM</p> <p><b>09 30 00 TILING</b>                      DESCRIPTION: PORCELAIN TILE                      MANUFACTURER: STONE SOURCE                      MODEL NAME: CAVA DIAMOND CREAM                      COLOR NAME: LAMINAM 12+                      FINISH: POLISHED                      LOCATION: RECEPTION DESK                      CONTACT NAME: ALEX BELTRA                      CONTACT PHONE: 917-338-9510                      CONTACT EMAIL: ALEXBELTRA@STONESOURCE.COM</p>
<p><b>CEILING (CL##)</b></p> <p><b>09 51 13 ACOUSTICAL PANEL CEILINGS</b>                      DESCRIPTION: ACOUSTICAL PANEL CEILINGS                      MANUFACTURER: ARMSTRONG                      MODEL NAME: OPTIMA HEALTH ZONE SQUARE TEGULAR (3216 PB)                      SIZE: 24"X24"                      COLOR NAME: WHITE                      GRID STYLE: SILHOUETTE XL 9/16" BOLT SLOT 1/8" REVEAL                      PERIM. TRIM: SHADOW MOLDING                      EDGE CONDITION: TEGULAR                      NOTE: GENERAL ACOUSTIC CEILING TILE                      CONTACT NAME: THOMAS A. LULL                      CONTACT PHONE: 877.276.7876                      CONTACT EMAIL: TALULL@ARMSTRONGCEILINGS.COM</p> <p><b>09 51 13 ACOUSTICAL PANEL CEILINGS</b>                      DESCRIPTION: ACOUSTICAL PANEL CEILINGS                      MANUFACTURER: ARMSTRONG                      MODEL NAME: OPTIMA HEALTH ZONE SQUARE TEGULAR 15/16"(3214PB)                      SIZE: 24"X24"                      COLOR NAME: WHITE                      GRID STYLE: 15/16" CLEAN ROOM SUSPENSION SYSTEM                      PERIM. TRIM: SHADOWLINE                      EDGE CONDITION: SQUARE TEGULAR 9/16 IN                      NOTE: IR PROCEDURE ROOM                      CONTACT NAME: THOMAS A. LULL                      CONTACT PHONE: 877.276.7876                      CONTACT EMAIL: TALULL@ARMSTRONGCEILINGS.COM</p> <p><b>PAINTED OPEN CEILING</b>                      DESCRIPTION: OPEN CEILING                      COLOR NAME: PT01                      LOCATION: IT CLOSET &amp; EVS                      NOTE: ALL PLENUM, DUCTWORK, GYPSUM BOARD, ETC. ABOVE SPECIFIED OPEN CEILING TO BE PAINTED PT01.</p>	<p><b>INTERIOR PAINTING (PT##)</b></p> <p><b>09 91 23 INTERIOR PAINTING</b>                      MANUFACTURER: BENJAMIN MOORE                      COLOR NAME: CHANTILLY LACE                      COLOR NUMBER: OC-65                      FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES;                      FLAT ON CEILINGS AND WALLS                      LOCATION: CEILING AND BACK OF HOUSE ROOMS                      CONTACT NAME: BRIAN JAVIER PEREZ                      CONTACT PHONE: 347-501-0479                      CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM</p> <p><b>09 91 23 INTERIOR PAINTING</b>                      MANUFACTURER: BENJAMIN MOORE                      COLOR NAME: SWISS COFFEE                      COLOR NUMBER: OC-45                      FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES;                      FLAT ON CEILINGS AND WALLS                      LOCATION: GENERAL PAINT                      CONTACT NAME: BRIAN JAVIER PEREZ                      CONTACT PHONE: 347-501-0479                      CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM</p> <p><b>09 91 23 INTERIOR PAINTING</b>                      MANUFACTURER: BENJAMIN MOORE                      COLOR NAME: BELLA BLUE                      COLOR NUMBER: 720                      FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES;                      FLAT ON CEILINGS AND WALLS                      LOCATION: ACCENT PAINT, SEE FINISH PLANS FOR LOCATIONS.                      CONTACT NAME: BRIAN JAVIER PEREZ                      CONTACT PHONE: 347-501-0479                      CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM</p>	<p><b>RESILIENT FLOOR TILE (RT##)</b></p> <p><b>09 65 19 RESILIENT TILE FLOORING</b>                      DESCRIPTION: VINYL FLOOR TILE                      MANUFACTURER: MANNINGTON SELECT                      MODEL NUMBER: MSC112                      SIZE: 5" X 48"                      COLOR NAME: CHANDLER OAK TALLULAH                      LOCATION: RECEPTION, CIRCULATION AREA                      CONTACT NAME: PATTY GARR                      CONTACT PHONE: 201-446-1336                      CONTACT EMAIL: PATTY_GARR@MANNINGTON.COM</p> <p><b>09 65 19 RESILIENT TILE FLOORING</b>                      DESCRIPTION: STATIC DISSIPATIVE HOMOGENOUS FLOORING                      MANUFACTURER: FORBO                      MODEL NUMBER: SD 150201                      SIZE: 24.4" X 24.4"                      COLOR NAME: EVEREST                      LOCATION: IT                      CONTACT NAME: CINDY ROTH                      CONTACT PHONE: 551-904-1157                      CONTACT EMAIL: CINDY.ROTH@FORBO.COM</p>	<p><b>SIMULATED STONE COUNTERTOP (SC##)</b></p> <p><b>12 36 61 SIMULATED STONE COUNTERTOPS</b>                      DESCRIPTION: QUARTZ                      MANUFACTURER: CAESARSTONE QUARTZ                      MODEL NUMBER: 5143                      COLOR NAME: WHITE ATTICA                      LOCATION: STAFF LOUNGE COUNTER AND BACKSPLASH                      CONTACT NAME: RENEE PECQUEX                      CONTACT PHONE: 718-777-9780                      CONTACT EMAIL: RENEE.PECQUEX@CAESARSTONEUS.COM</p>	<p><b>ROLLER WINDOW SHADES (WT##)</b></p> <p><b>12 24 23 ROLLER WINDOW SHADES</b>                      DESCRIPTION: MANUEL WINDOW SHADE                      MANUFACTURER: MECOSHSHADE THERMOVEIL                      MODEL NAME: EUROTWILL REVERSIBLE WEAVE BLACK OUT SHADE                      SIZE: 0%                      COLOR NAME: NICKEL                      LOCATION: BLACK OUT SHADE                      CONTACT NAME: JESSE FRIED                      CONTACT PHONE: 917-886-7367                      CONTACT EMAIL: JESSE.FRIED@MECOSHSHADE.COM</p>
<p><b>DECORATIVE FILMS (GF##)</b></p> <p><b>08 87 19 DECORATIVE FILMS</b>                      DESCRIPTION: GLASS FINISH                      MANUFACTURER: 3M                      MODEL NAME: FASARA                      SIZE: 50" x 98.4"                      COLOR NAME: SH2FLU                      CONTACT NAME: ROBERT IORLANO                      CONTACT PHONE: 973-248-5820                      CONTACT EMAIL: RIORLANO@MMM.COM</p>	<p><b>GLAZING (GL##)</b></p> <p><b>08 80 00 GLAZING</b>                      DESCRIPTION: GLAZING                      MANUFACTURER: GGI                      TYPE: ACID ETCHED, TEMPERED                      COLOR NAME: LOW-IRON ULTRA CLEAR                      THICKNESS: 1/2"                      LOCATION: AT MAIN ENTRY DOOR TO RECEPTION. GLASS THICKNESS TO BE DETERMINED BY DOOR HARDWARE SPECIFICATIONS, GLAZING SPECIFICATIONS &amp; MANUFACTURER DETAILS.                      CONTACT NAME: STEPHEN BALIK                      CONTACT PHONE: 917-584-4237                      CONTACT EMAIL: SBALIK@GENERALGLASS.COM</p> <p><b>08 80 00 GLAZING</b>                      DESCRIPTION: GLAZING                      MANUFACTURER: TO BE PROVIDED AS PART OF DOOR ASSEMBLY                      TYPE: TEMPERED LOW-IRON LAMINATED GLASS WITH WHITE FILM INTERLAYER FOR PRIVACY                      THICKNESS: REFER TO ELEVATIONS AND DETAILS ; GLASS THICKNESS TO BE DETERMINED BY MANUFACTURER STANDARD DETAILS                      LOCATION: SLIDING GLASS DOORS</p>	<p><b>RESILIENT WALL BASE (RB##)</b></p> <p><b>09 65 13 RESILIENT WALL BASE AND ACCESSORIES</b>                      DESCRIPTION: STANDARD VINYL BASE                      MANUFACTURER: BURKE                      SIZE: 4"                      COLOR NAME: CHARCOAL                      COLOR NUMBER: TYPE TP                      LOCATION: TYPICAL BASE ON ALL WALLS U.O.N.                      NOTE: COVE BASE                      CONTACT NAME: PATTY GARR                      CONTACT PHONE: 201-446-1336                      CONTACT EMAIL: PATTY_GARR@MANNINGTON.COM</p> <p><b>09 65 13 RESILIENT WALL BASE AND ACCESSORIES</b>                      DESCRIPTION: STANDARD VINYL BASE                      MANUFACTURER: BURKE                      SIZE: 4"                      COLOR NAME: PEARL                      COLOR NUMBER: TYPE TP                      LOCATION: EXAM ROOM                      NOTE: COVE BASE                      CONTACT NAME: PATTY GARR                      CONTACT PHONE: 201-446-1336                      CONTACT EMAIL: PATTY_GARR@MANNINGTON.COM</p> <p><b>09 65 13 RESILIENT WALL BASE AND ACCESSORIES</b>                      DESCRIPTION: INTEGRAL RESILIENT WALL BASE                      MANUFACTURER: TARKETT                      MODEL NAME: IQ NATURAL                      MODEL NUMBER: 21103184                      COLOR NAME: NATURAL LIGHT GREY                      COLOR NUMBER: TYPE TP                      LOCATION: ALL ROOMS RECEIVING RS01 FLOOR                      INSTALLATION: HEAT WELDED                      CONTACT NAME: JOHN MAIOLO                      CONTACT PHONE: 516-967-0017                      CONTACT EMAIL: JOHN.MAIOLO@TARKETT.COM</p>	<p><b>WALL AND DOOR PROTECTION (PR##)</b></p> <p><b>10 26 00 WALL AND DOOR PROTECTION</b>                      MANUFACTURER: INPRO CORPORATION                      MODEL NAME: PALLADIUM RIGID SHEET                      SIZE: 0%                      FINISH: VELVET TEXTURE                      THICKNESS: 0.40"                      NOTE: PARTIAL HEIGHT (4'H) OR COORDINATE WITH ADJACENT DEVICES AND EQUIPMENT. U.O.N. INCLUDE TOP CAPS, INSIDE AND OUTSIDE CORNERS, VERTICAL DIVIDER BARS, AND BUTT JOINTS AS REQUIRED. SEE FINISH PLANS FOR LOCATIONS. REFER TO ELEVATIONS FOR HEIGHTS.                      CONTACT NAME: RYAN M. HUNT                      CONTACT PHONE: 908-339-7857                      CONTACT EMAIL: JPAUGH@INPROCORP.COM</p> <p><b>10 26 00 WALL AND DOOR PROTECTION</b>                      MANUFACTURER: INPRO CORPORATION                      MODEL NAME: FLUSH MOUNT END WALL PROTECTOR                      NUMBER: 140D                      SIZE: 2" WING                      FINISH: .060" RIGID VINYL COVER                      NOTE: INSTALL ABOVE WALL BASE UP TO FINISHED CEILING                      CONTACT NAME: RYAN M. HUNT                      CONTACT PHONE: 908-339-7857                      CONTACT EMAIL: JPAUGH@INPROCORP.COM</p> <p><b>10 26 00 WALL AND DOOR PROTECTION</b>                      MANUFACTURER: INPRO CORPORATION                      MODEL NAME: FLUSH MOUNT CORNER GUARD (2" WING WITH 90 CORNER)                      NUMBER: 160F                      FINISH: VELVET TEXTURE                      THICKNESS: .080 THICK SCRATCH AND STAIN RESISTANT RIGID VINYL COVER                      NOTE: FULL HEIGHT ABOVE WALL BASE. SEE FINISH PLANS FOR LOCATIONS.                      CONTACT NAME: RYAN M. HUNT                      CONTACT PHONE: 908-339-7857                      CONTACT EMAIL: JPAUGH@INPROCORP.COM</p> <p><b>10 26 00 WALL AND DOOR PROTECTION</b>                      MANUFACTURER: INPRO CORPORATION                      MODEL NAME: WALL GUARD                      NUMBER: 1500                      SIZE: 5" H PROFILE                      FINISH: SOLID COLOR VINYL FINISH                      NOTE: MOUNTING HEIGHT. REFER TO ELEVATIONS FOR MOUNTING HEIGHTS.                      CONTACT NAME: RYAN M. HUNT                      CONTACT PHONE: 908-339-7857                      CONTACT EMAIL: JPAUGH@INPROCORP.COM</p>	<p><b>STRETCHED-FABRIC WALL SYSTEMS (SF##)</b></p> <p><b>09 77 13 STRETCHED-FABRIC WALL SYSTEMS</b>                      DESCRIPTION: STRETCHED-FABRIC WALL SYSTEM                      MANUFACTURER: KNOLL                      MODEL NAME: K2085                      COLOR NAME: SHADOWBOX                      LOCATION: BACK OF RECEPTION DESK                      DEVICES AND EQUIPMENT. U.O.N. INCLUDE TOP CAPS, INSIDE AND OUTSIDE CORNERS, VERTICAL DIVIDER BARS, AND BUTT JOINTS AS REQUIRED. SEE FINISH PLANS FOR LOCATIONS.                      CONTACT NAME: AINA PICINIC                      CONTACT PHONE: 646-420-0739                      CONTACT EMAIL: APICINIC@KNOLL.COM</p> <p><b>WALLCOVERING (WC##)</b></p> <p><b>09 72 00 WALL COVERINGS</b>                      DESCRIPTION: WALLCOVERING                      MANUFACTURER: CALICO                      MODEL NAME: AURA                      SIZE: 54" W                      COLOR NAME: SVAD                      NOTE: PAPER BACKING                      CONTACT NAME: STEPHANIE MOO-YOUNG                      CONTACT PHONE: 347-294-0317                      CONTACT EMAIL: STEPHANIE@CALICOWALLPAPER.COM</p> <p><b>09 72 00 WALL COVERINGS</b>                      DESCRIPTION: WALLCOVERING                      MANUFACTURER: CARNEGIE XOREL                      MODEL NUMBER: 6253-W2                      SIZE: 54" W                      COLOR NAME: KALEIDOSCOPE                      NOTE: PAPER BACKING                      CONTACT NAME: SUSAN BARRICELLI                      CONTACT PHONE: 917-579-2697                      CONTACT EMAIL: SBARRICELLI@CARNEGIEFABRICS.COM</p>
<p><b>DECORATIVE METAL (MT##)</b></p> <p><b>05 70 00 DECORATIVE METAL FINISHES</b>                      DESCRIPTION: DECORATIVE METAL                      MANUFACTURER: RIMEX                      COLOR NAME: ONYX BLACK GRANEX M1A                      LOCATION: BASE DECORATIVE METAL IN RECEPTION AREA                      CONTACT NAME: BOBBY KOSLOWSKY                      CONTACT PHONE: 732-549-3800                      CONTACT EMAIL: BKOSLOWSKY@RIMEXUSA.COM</p> <p><b>05 70 00 DECORATIVE METAL FINISHES</b>                      DESCRIPTION: DECORATIVE METAL                      MATERIAL: ALUMINUM                      COLOR NAME: MANUFACTURER'S STANDARD BLACK                      FINISH: POWDER-COATED                      LOCATION: DEMOUNTABLE FRAME AND HARDWARE, BARNDOOR AT EXAM ROOM</p> <p><b>05 70 00 DECORATIVE METAL FINISHES</b>                      DESCRIPTION: DECORATIVE METAL                      MATERIAL: ALUMINUM                      COLOR NAME: CLEAR ANODIZED                      LOCATION: ENTRANCE DOOR FRAME AND HARDWAREDOOR PAINTS</p>	<p><b>WOOD BASE (WB##)</b></p> <p><b>06 40 23 INTERIOR ARCHITECTURAL WOODWORK</b>                      DESCRIPTION: SQUARE PROFILE SOLID WOOD WALL BASE                      MANUFACTURER: STANDARD MANUFACTURER                      MODEL NUMBER: PT-05                      SIZE: 4" H                      COLOR NAME: TBD</p>			

**GENERAL NOTES**

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**SHEET NOTES**

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Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
 Project Number  
**06.3757.000**  
 Description  
FINISH SCHEDULES

Scale

**A-050**

**GENERAL NOTES**

- A. REFER TO G-002 GENERAL NOTES AND G-003 GRAPHIC SYMBOLS FOR MORE INFORMATION.
- B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
- C. REFER TO A-010 FOR PARTITION TYPES AND DETAILS.
- D. PARTITIONS ARE DIMENSIONED FROM FINISH FACE UNLESS OTHERWISE NOTED.
- E. ALL PARTITIONS ARE A3A UNLESS OTHERWISE NOTED.
- F. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF FURNITURE, MILLWORK, CASEWORK, MEDICAL EQUIPMENT, ACCESSORIES AND AVIT EQUIPMENT. COORDINATE WITH FURNITURE AND MEDICAL PLANNER FOR EQUIPMENT LISTS.
- G. LEVEL FLOOR SLAB AFTER TRENCHING AND DEMOLITION AND PRIOR TO CONSTRUCTION AND NEW FINISHES.
- H. HINGE FACE OF ALL DOOR OPENINGS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
- I. COORDINATE BLOCKING IN WALLS FOR ARTWORK BY OWNER.

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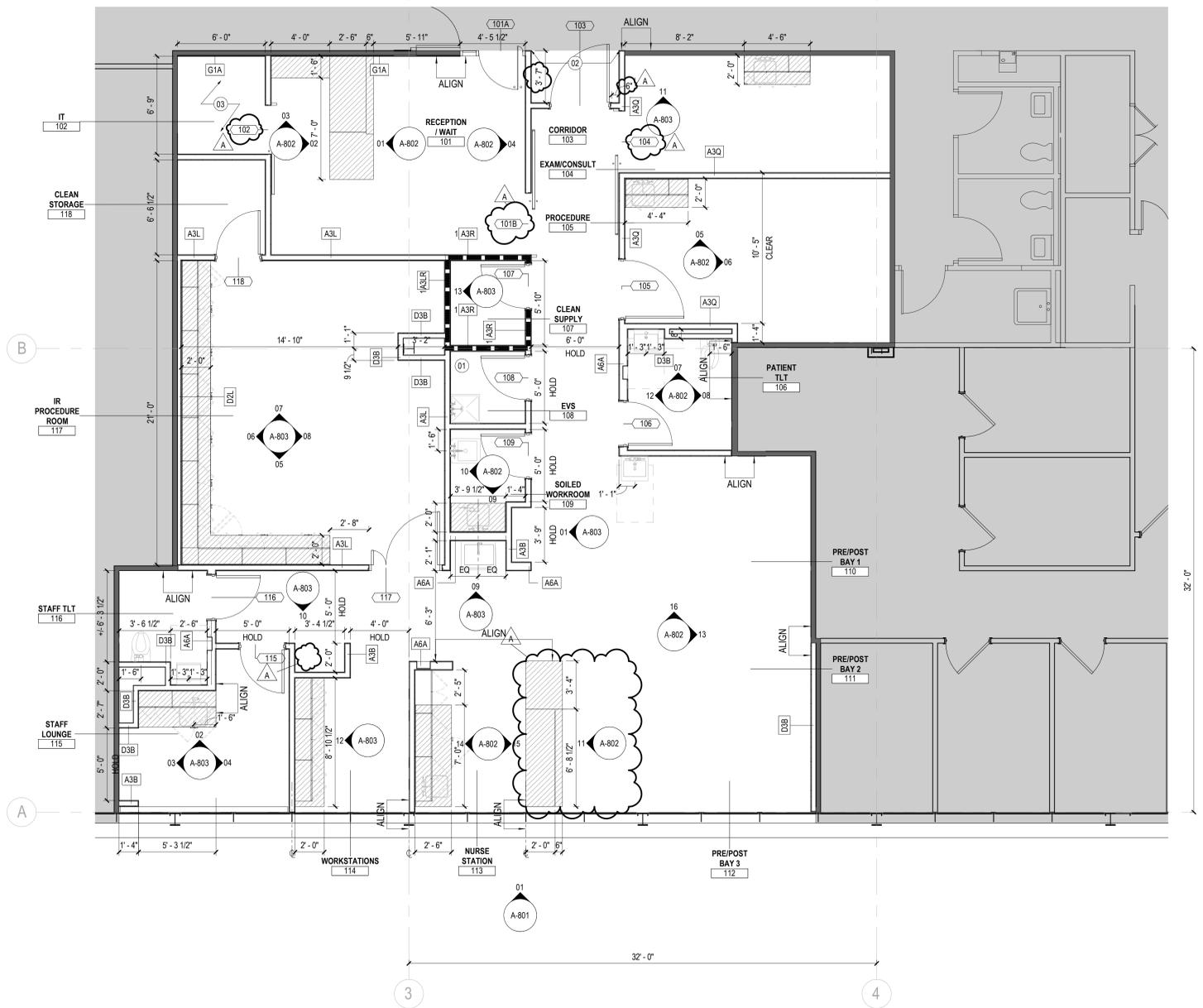
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**SHEET NOTES**

- 01 PROVIDE ADJUSTABLE SHELVING IN JANITOR'S CLOSET FOR JANITOR'S ACCESSORIES. COORDINATE WITH TENANT AND LANDLORD.
- 02 INFILL WALL TO MATCH ADJACENT CONSTRUCTION. V.I.F.
- 03 PROVIDE IN WALL BLOCKING FOR IT EQUIPMENT. THIS COORDINATE WITH IT INSTALLATION FIELD.



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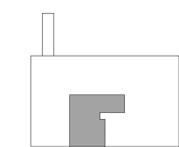
Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**06.3757.000**

Description  
**CONSTRUCTION PLAN - LEVEL 01**

**KEY PLAN**



Scale  
1/4" = 1'-0"

**A-201**

**GENERAL NOTES**

- A. REFER TO MEP AND STRUCTURAL DRAWINGS FOR EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION.
- B. PAINT NEW AND EXISTING EXPOSED ROOF-MOUNTED EQUIPMENT, PIPING, ETC IN A COLOR AS SELECTED BY ARCHITECT, EXCEPT THAT THOSE ITEMS WHICH ARE ALUMINUM OR STAINLESS STEEL SHALL NOT BE PAINTED.
- C. REFER TO ARCHITECTURAL ROOFING DETAILS FOR MORE INFORMATION.
- D. THE CONTRACTOR SHALL PROVIDE GUARDS WHERE APPLIANCES, EQUIPMENT, ROOF HATCHES, FANS, OR OTHER COMPONENTS THAT REQUIRE SERVICE ARE LOCATED WITHIN 10'-0" OF A ROOF EDGE OR AN OPEN SIDE OF WALKING SURFACE AND SUCH ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH ROOF EDGE OR OPEN SIDE IS LOCATED MORE THAN 30" ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THAN 30" BEYOND EACH END OF SUCH APPLIANCES, EQUIPMENT, FANS OR COMPONENTS, THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THAN 42" ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 20" DIAMETER SPHERE AND IT SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS AS SPECIFIED IN THE BUILDING CODE.
- E. TAPERED INSULATION SLOPES 1/4" PER FOOT MINIMUM.
- F. CRICKETS SLOPE 1/2" PER FOOT.

**SHEET NOTES**

- 06 CONTRACTOR TO CUT EXISTING ROOFING SYSTEM AND METAL DECK AS REQUIRED TO INSTALL ROOF CURBS AND AIR HANDLING UNITS. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL. REFER TO STRUCTURAL AND MEP DRAWINGS FOR RELATED WORK IN THIS AREA.
- 07 CONTRACTOR TO CUT OPENING IN EXISTING ROOFING SYSTEM AND METAL DECK AS REQUIRED TO INSTALL OPENINGS FOR MECHANICAL DUCTS AND/OR MECHANICAL EXHAUST FANS. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL. REFER TO MEP DRAWINGS FOR RELATED WORK IN THIS AREA.
- 08 CONTRACTOR TO PROVIDE CRICKETS AT ALL ROOFTOP EQUIPMENT, PIPING, AND DUCT PENETRATIONS AS REQUIRED TO PROVIDE POSITIVE DRAINAGE.
- 09 CONTRACTOR TO PROVIDE MANUFACTURER ROOF CURB WITH STRUCTURAL STEEL SUPPORTS AND BASE FLASHING AS REQUIRED TO SUPPORT DUCTWORK AND PROVIDE WATER TIGHT SEAL.
- 10 ROOF SCREEN. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 11 STRUCTURAL STEEL DUNNAGE. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 12 METAL ROOF SCREEN DOOR AND HINGE SYSTEM.
- 13 ROOF CURB EVERY 6', TYP.

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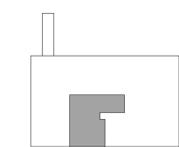
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Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**06.3757.000**

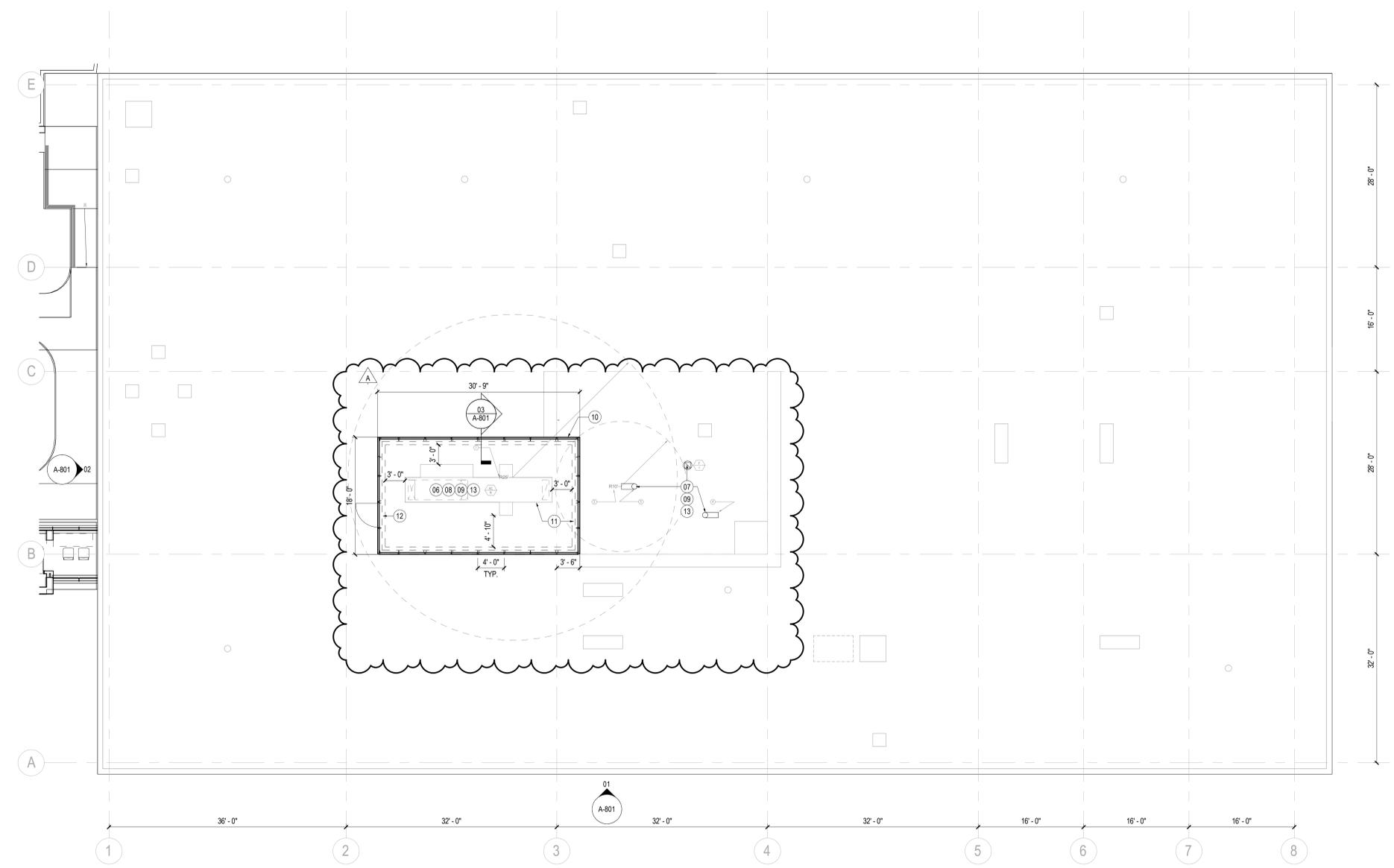
Description  
**CONSTRUCTION PLAN - ROOF**

**KEY PLAN**



Scale  
1/8" = 1'-0"

**A-202**



**GENERAL NOTES**

- A. POWER, DATA, AV, STROBES AND OTHER WALL AND CEILING MOUNTED DEVICES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP, IT AND SECURITY DRAWINGS FOR MORE INFORMATION.
- B. REFER TO AND COORDINATE WITH MEP, IT AND MANUFACTURER FOR MAJOR PIECES OF EQUIPMENT.
- C. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
- D. PRIOR TO FINAL LAYOUT OF POWER/DATA, CONFIRM WITH ARCHITECT AND OWNER LOCATIONS OF EQUIPMENT AND MONITORS.

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**SHEET NOTES**

- 01 REFER TO MEDICAL EQUIPMENT LIST & MEP DRAWINGS FOR EQUIPMENT SPECIFIC POWER AND COMMUNICATION DEVICES.
- 02 COORDINATE POWER/DATA REQUIREMENTS & LOCATIONS WITH IT & MEP DRAWINGS.
- 03 LOCATE QUAD OUTLET ON SIDE OF RECEPTION DESK TO SERVICE EQUIPMENT AT WINDOW WALL.
- 04 INSTALL CEILING MOUNTED SECURITY CAMERA WITH DATA JACK IN THE CEILING. COORDINATE WITH OWNER, SECURITY AND IT FOR ADDITIONAL INFORMATION. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- 05 PROVIDE ADD ALTERNATE FOR POWER AT LOCKERS FOR DIGLOCKS.

Date	Description
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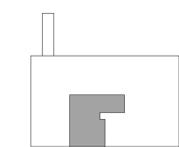
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Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**06.3757.000**

Description  
**POWER & COMM PLAN - LEVEL 01**

**KEY PLAN**



Scale  
1/4" = 1'-0"

**A-301**





**GENERAL NOTES**

- A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
- B. REFER TO A-050 FOR FINISH SCHEDULES.
- C. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
- D. PENDANT LIGHT FIXTURE MOUNTING HEIGHTS TO BE CONFIRMED IN THE FIELD WITH THE ARCHITECT.
- E. ALL GYPSUM CEILINGS TO BE PAINTED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
- F. CEILING FINISH IS CL01 UNLESS OTHERWISE NOTED. CEILING HEIGHT IS 8'-0" UNLESS OTHERWISE NOTED.
- G. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TO BE CENTERED ON TILE, U.O.N.
- H. CEILING TRIMEDGE MOLDING TO BE MITERED AT ALL CORNERS.
- I. PROVIDE ACCESS PANELS AT GWB CEILING FOR ANY BUILDING DEVICES AND PROPOSED MECHANICAL UNITS AND DEVICES. REFER TO PROJECT MANUAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- J. ALL SCHEDULED CEILING DEVICES, THERMOSTATS, FACEPLATES, AND LIGHT SWITCHES SHALL BE WHITE, U.O.N.
- K. ALL CEILING TILE TO BE CENTERED WITHIN ROOM, U.O.N.

**SHEET NOTES**

- 01 ALL PLENUM, DUCTWORK, GYPSUM BOARD, ETC. ABOVE SPECIFIED OPEN CEILING TO BE PAINTED PT01.
- 02 BLACK OUT WINDOW SHADES, WT01, TO MATCH BUILDING STANDARD. REFER TO PROJECT MANUAL FOR SPECIFICATIONS.
- 03 COORDINATE CEILING LIGHT FIXTURE SECURITY EQUIPMENT WITH OWNER.
- 04 COORDINATE WITH MILLWORK BELOW TO ENSURE THAT LIGHT FIXTURES ARE CENTERED ON MILLWORK. COORDINATE HEIGHT AND LOCATION OF FIXTURE IN FIELD WITH ARCHITECT.
- 05 COORDINATE HEIGHT AND LOCATION OF FIXTURE IN FIELD WITH ARCHITECT.
- 06 COORDINATE SOFFIT HEIGHT WITH LOCKERS
- 07 PROVIDE SUPPORT FOR CEILING MOUNTED LIGHT FIXTURE. REFER TO STRUCTURAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- 08 COORDINATE MILLWORK SOFFIT PANEL WITH UPPER CABINET LOCATIONS.
- 09 INSTALL ANY NEW CEILING TILES AND CEILING GRIDS IF DAMAGED AND REPAIRED IN THE EXISTING CORRIDOR.
- 10 PROVIDE ACCESS DOORS & FRAMES IF REQUIRED. REFER TO MEP AND SPECIFICATIONS FOR MORE INFORMATION.

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Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

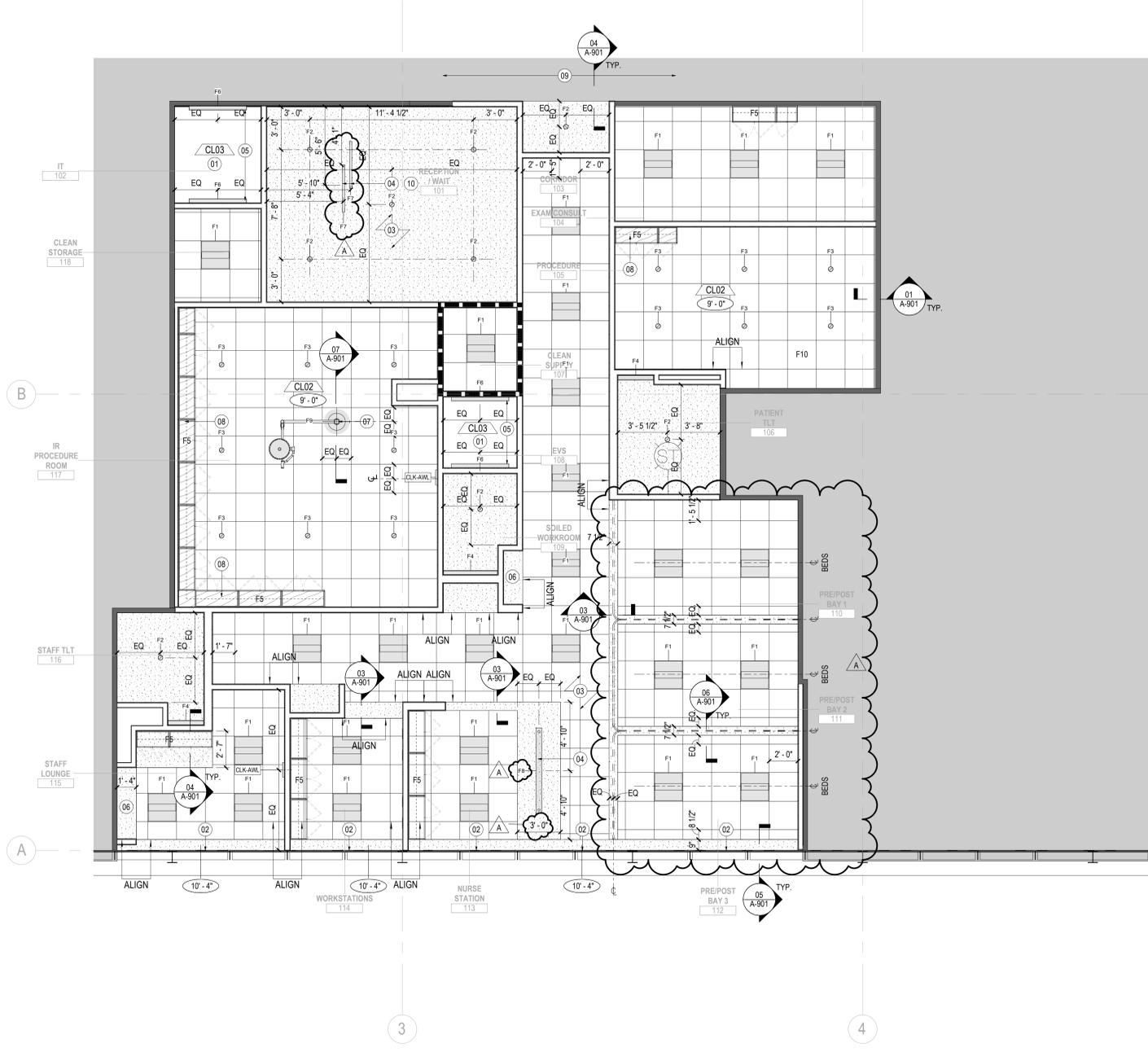
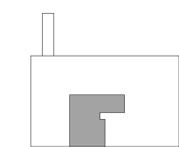
Project Number  
**06.3757.000**

Description  
**REFLECTED CEILING PLAN - LEVEL 01**

Scale  
**1/4" = 1'-0"**

**A-401**

**KEY PLAN**



**GENERAL NOTES**

- A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
- B. REFER TO A-050 FOR FINISH SCHEDULE AND REFER TO PROJECT MANUAL FOR MORE INFORMATION.
- C. REFER TO ENLARGED PLANS AND ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
- D. REFER TO A-921 FOR FLOORING TRANSITIONS.
- F. ALL SCHEDULED FINISH FLOORS TO RUN COMPLETELY UNDERNEATH MILLWORK OR EQUIPMENT, U.O.N.
- G. COVER PLATES FOR ALL DEVICES TO MATCH ADJACENT WALL FINISH.

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**SHEET NOTES**

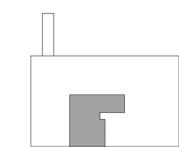
- 01 PAINT TO MATCH ADJACENT WALLS. PROVIDE NEW RUBBER BASE AND NEW CARPET TO MATCH EXISTING BUILDING STANDARD.

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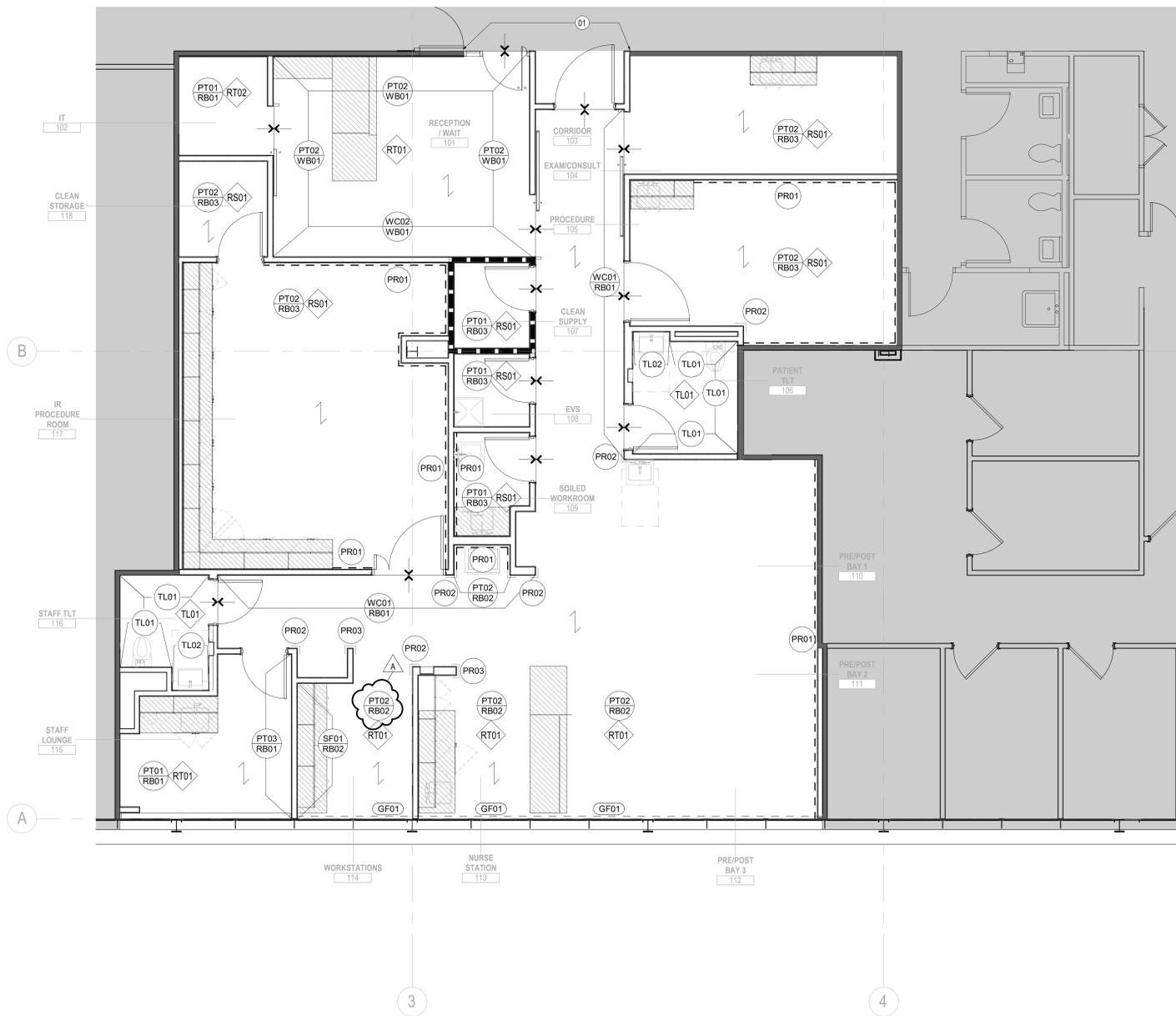
Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
Project Number  
**06.3757.000**  
Description  
**FINISH PLAN - LEVEL 01**

**KEY PLAN**



Scale  
1/4" = 1'-0"

**A-501**



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## GENERAL NOTES

- FURNITURE AND MEDICAL EQUIPMENT IS INDICATED FOR INFORMATIONAL PURPOSES ONLY.
- CONTRACTOR TO COORDINATE LAYOUT OF FURNITURE AND MEDICAL EQUIPMENT WITH FURNITURE VENDOR PRIOR TO INSTALLATION OF WALL AND FLOOR MOUNTED EQUIPMENT AND DEVICES.
- REFER TO A-301 FOR POWER AND COMMUNICATION INFORMATION FOR FURNITURE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO PROJECT MANUAL FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY & MEDICAL EQUIPMENT SCHEDULES.
- REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULES.

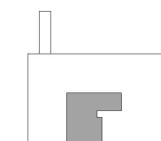
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Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
Project Number  
**06.3757.000**  
Description  
**FURNITURE PLAN - LEVEL 01**

## KEY PLAN



Scale  
1/4" = 1'-0"

**A-601**



# 1 FURNITURE PLAN - LEVEL 01 (A100)

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

**GENERAL NOTES**

- A. REFER TO PROJECT MANUAL & MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY, & MEDICAL EQUIPMENT SCHEDULES.
- B. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULES.

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New York, NY 10123  
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901 Manchester Avenue  
Moyland, PA 19065  
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Tel: 610.565.4607

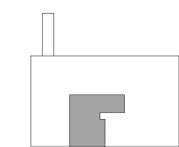
**SHEET NOTES**

Date	Description
10.04.2021	ISSUE FOR BID
10.12.2021	ADDENDUM #1

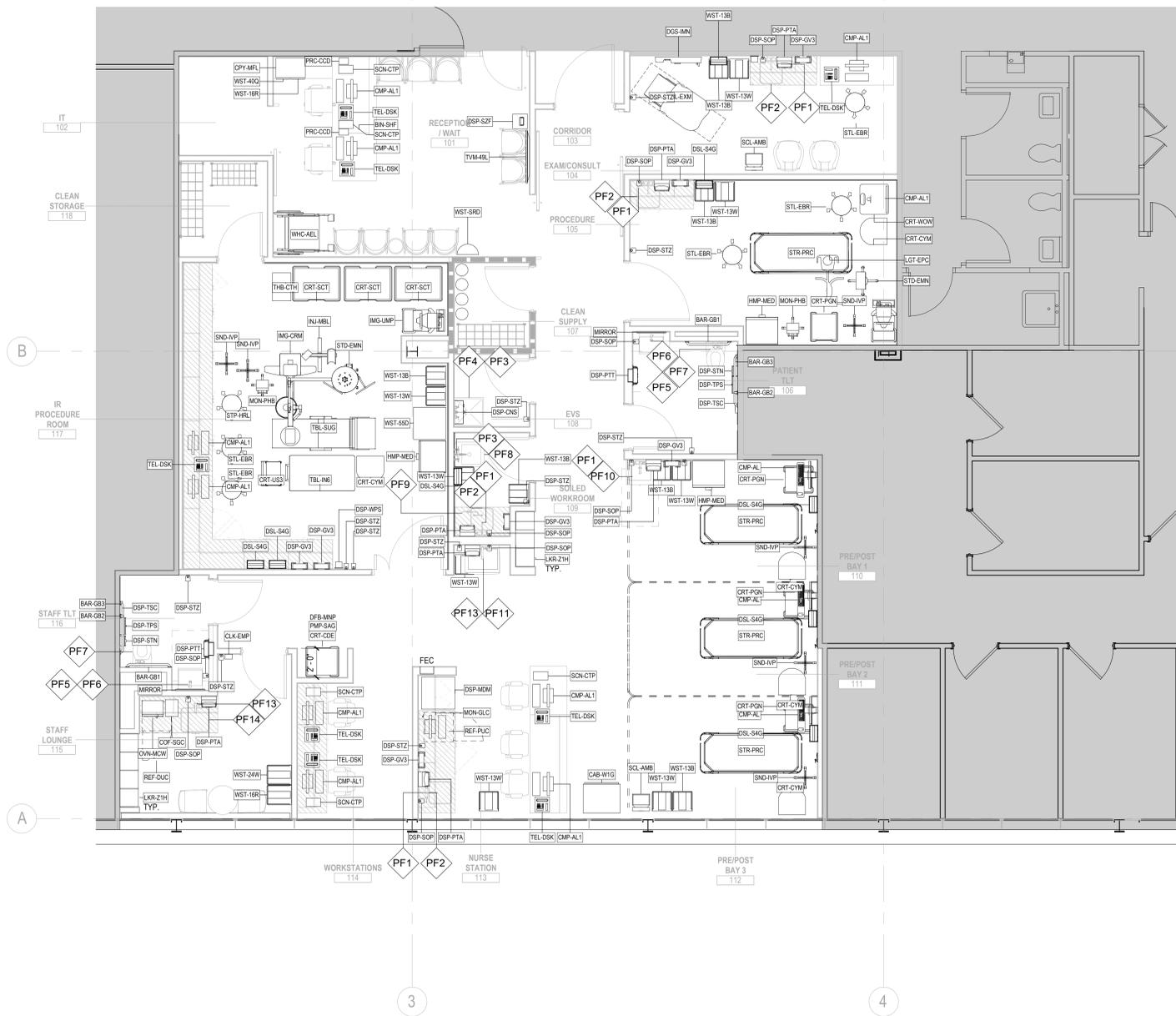
Seal / Signature

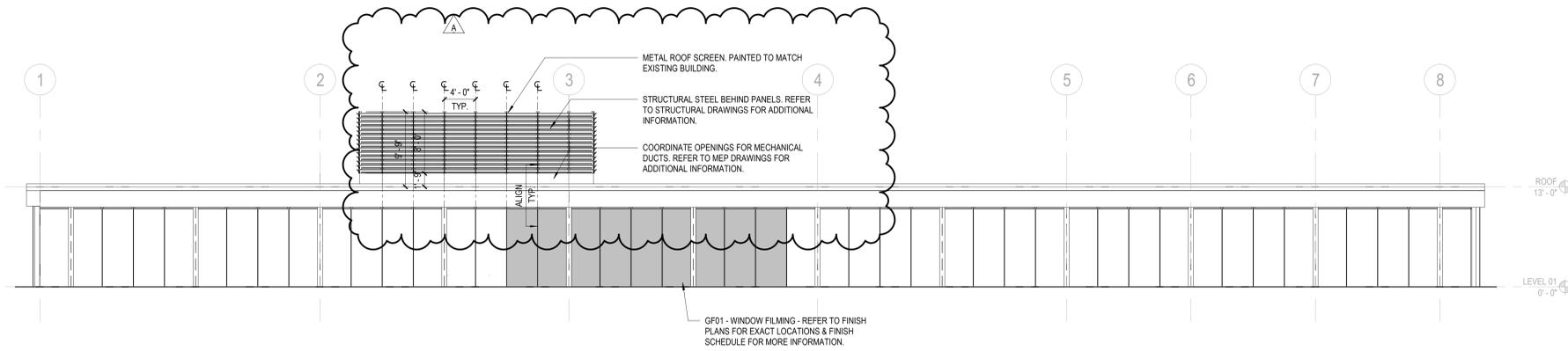
Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
Project Number  
**06.3757.000**  
Description  
**EQUIPMENT PLAN - LEVEL 01**

**KEY PLAN**

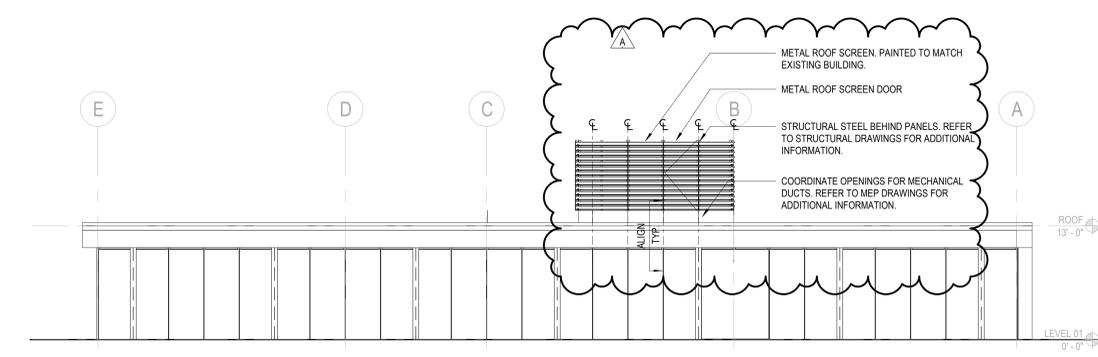


Scale  
1/4" = 1'-0"

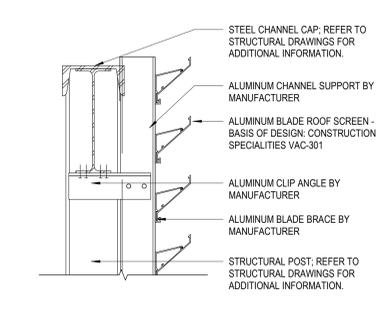




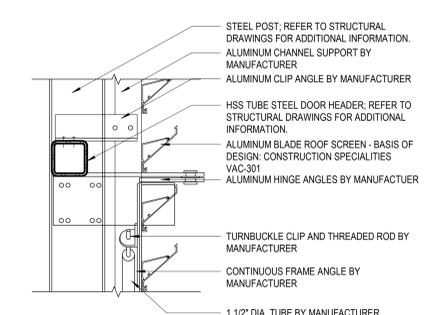
**01 EXTERIOR ELEVATION - SOUTH**  
SCALE: 1/8" = 1'-0"



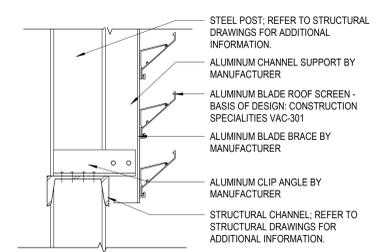
**02 EXTERIOR ELEVATION - WEST**  
SCALE: 1/8" = 1'-0"



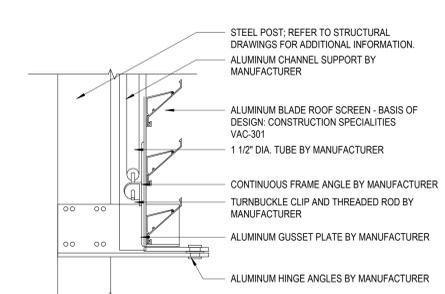
**06 DETAIL AT TOP OF ROOF SCREEN**  
SCALE: 1 1/2" = 1'-0"



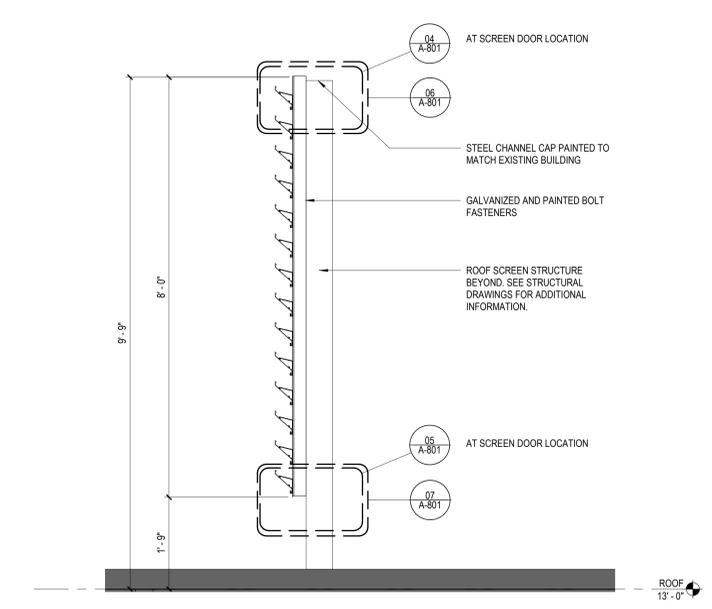
**04 DETAIL AT ROOF SCREEN DOOR HEAD**  
SCALE: 1 1/2" = 1'-0"



**07 DETAIL AT BOTTOM OF ROOF SCREEN**  
SCALE: 1 1/2" = 1'-0"



**05 DETAIL AT BOTTOM OF SCREEN DOOR**  
SCALE: 1 1/2" = 1'-0"



**03 ROOF SCREEN SECTION**  
SCALE: 3/4" = 1'-0"

**GENERAL NOTES**

**GENERAL NOTES**

**SHEET NOTES**

**KEY PLAN**

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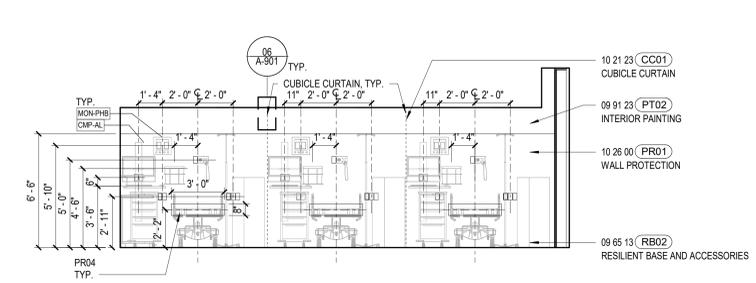
Description  
**EXTERIOR ELEVATIONS**

Scale  
As indicated

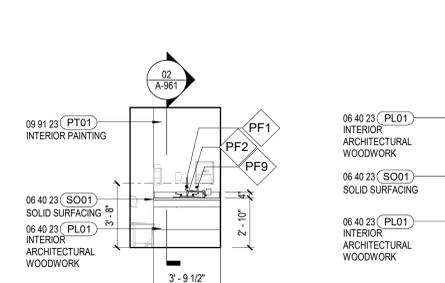
**A-801**

**GENERAL NOTES**

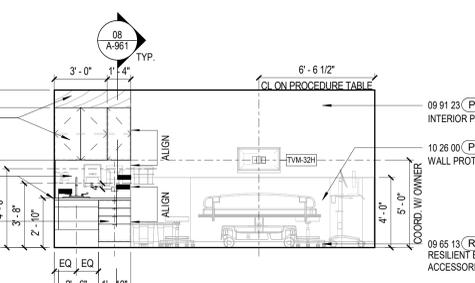
A UNLESS OTHERWISE NOTED, ALL MILLWORK TO BE PL01.



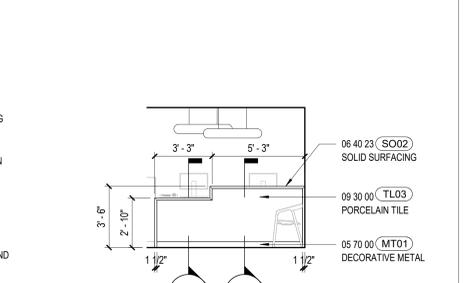
**13 ELEVATION - PRE/POST HEAD WALL**  
SCALE: 1/4" = 1'-0"



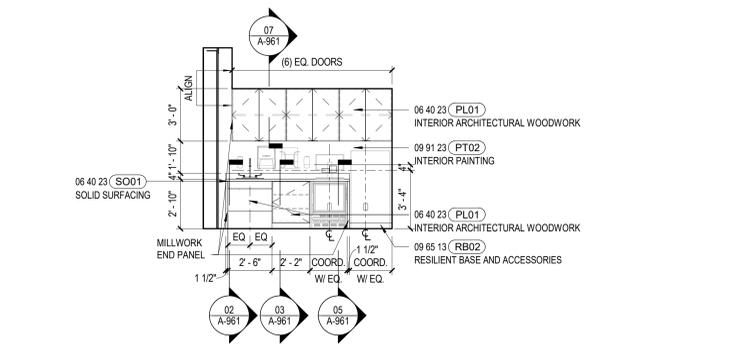
**09 ELEVATION - SOILED WORK ROOM**  
SCALE: 1/4" = 1'-0"



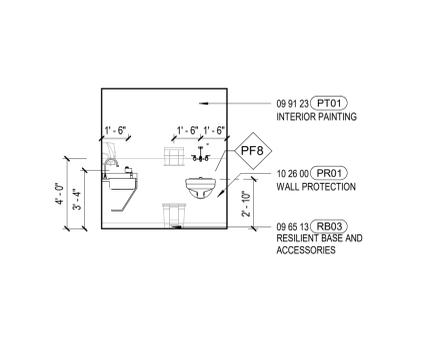
**05 ELEVATION - PROCEDURE ROOM**  
SCALE: 1/4" = 1'-0"



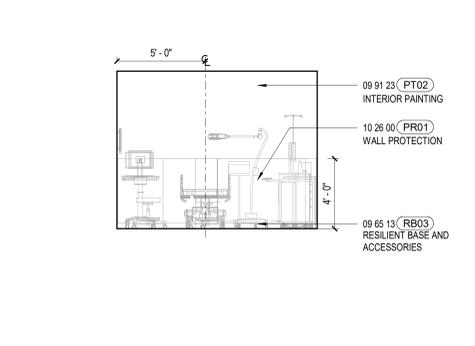
**01 ELEVATION - RECEPTION DESK FRONT**  
SCALE: 1/4" = 1'-0"



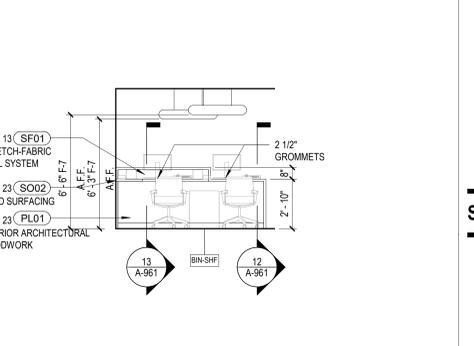
**14 ELEVATION - MEDICAL PREP ZONE**  
SCALE: 1/4" = 1'-0"



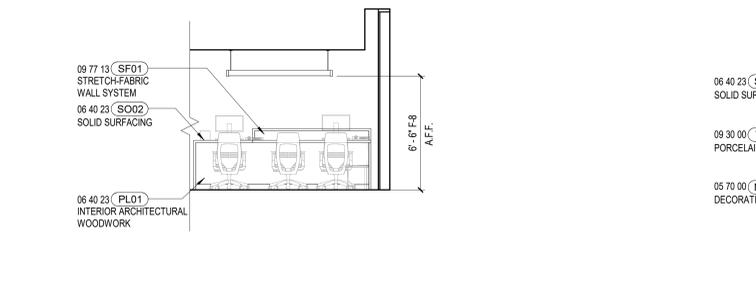
**10 ELEVATION - SOILED CLINICAL SINK**  
SCALE: 1/4" = 1'-0"



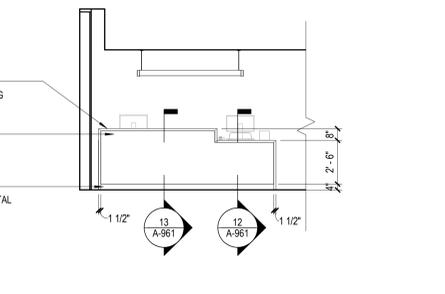
**06 ELEVATION - PROCEDURE HEAD WALL**  
SCALE: 1/4" = 1'-0"



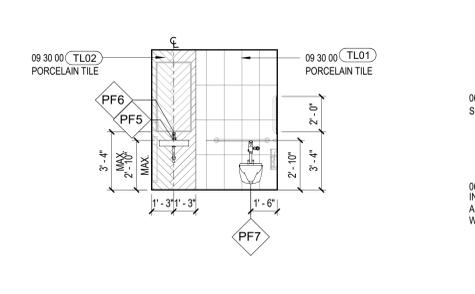
**02 ELEVATION - RECEPTION DESK BACK**  
SCALE: 1/4" = 1'-0"



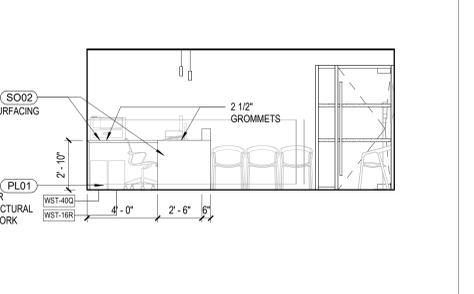
**15 ELEVATION - NURSE STATION BACK**  
SCALE: 1/4" = 1'-0"



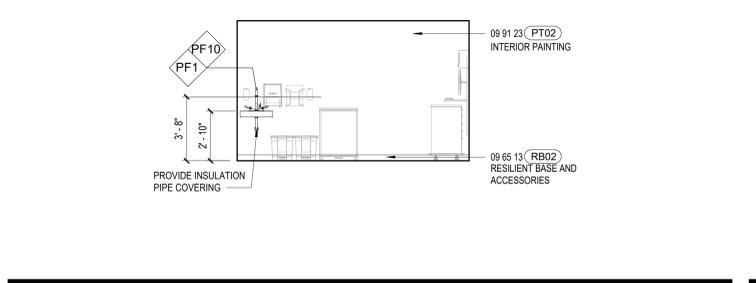
**11 ELEVATION - NURSE STATION FRONT**  
SCALE: 1/4" = 1'-0"



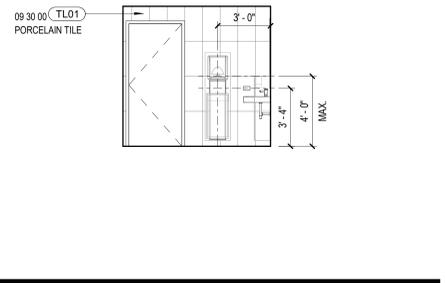
**07 ELEVATION - WET WALL**  
SCALE: 1/4" = 1'-0"



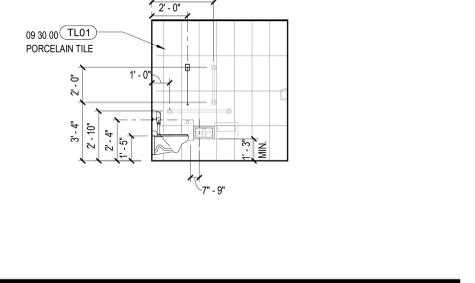
**03 ELEVATION - RECEPTION DESK SIDE**  
SCALE: 1/4" = 1'-0"



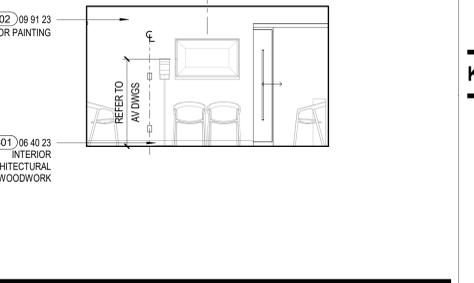
**16 ELEVATION - HANDWASH PRE/POST BAY**  
SCALE: 1/4" = 1'-0"



**12 ELEVATION - TOILET SINK ACCESSORIES**  
SCALE: 1/4" = 1'-0"



**08 ELEVATION - TOILET ACCESSORIES**  
SCALE: 1/4" = 1'-0"



**04 ELEVATION - RECEPTION MONITOR**  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

**KEY PLAN**

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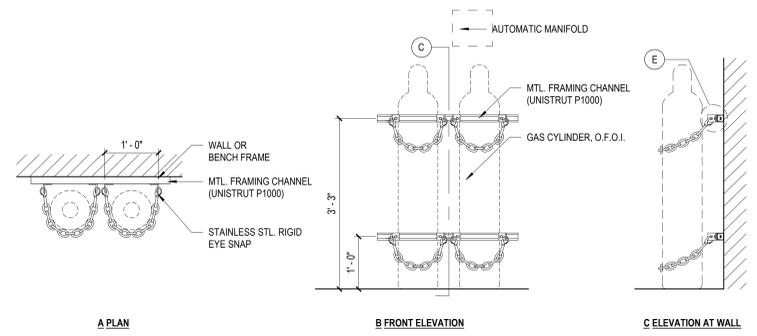
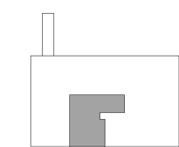
Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
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**INTERIOR ELEVATIONS**

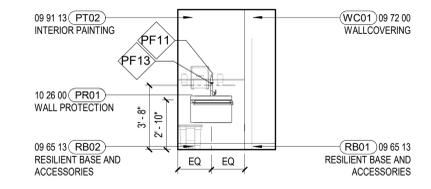
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**A-803**

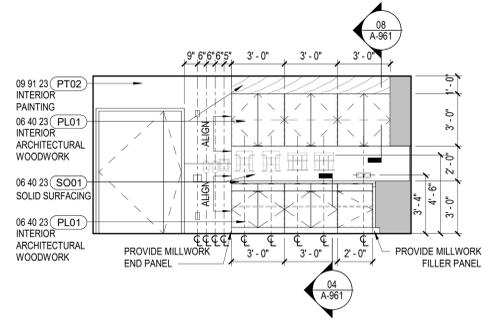
**KEY PLAN**



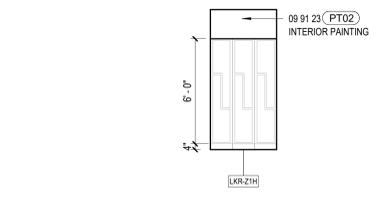
**13 GAS CYLINDER RESTRAINT**  
SCALE: 3/4" = 1'-0"



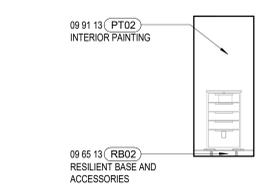
**09 ELEVATION - CLINICAL SINK**  
SCALE: 1/4" = 1'-0"



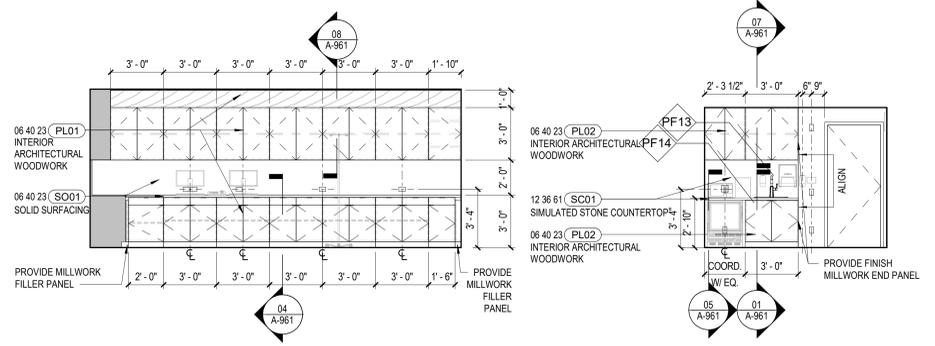
**05 ELEVATION - IR - MILLWORK A**  
SCALE: 1/4" = 1'-0"



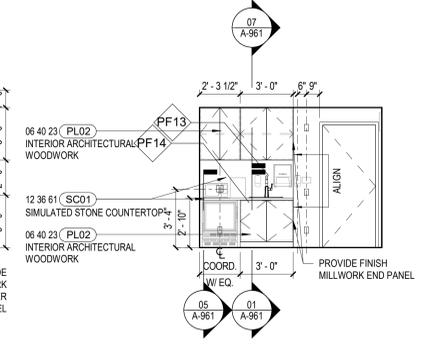
**01 ELEVATION - PATIENT LOCKERS**  
SCALE: 1/4" = 1'-0"



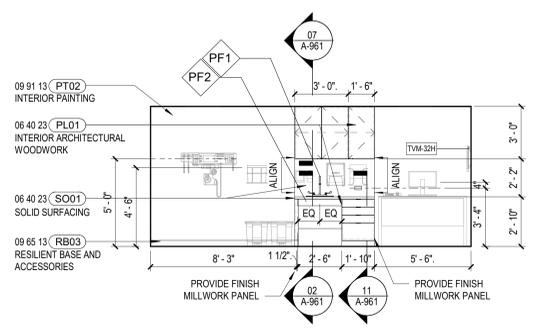
**10 ELEVATION - APRON HOOKS**  
SCALE: 1/4" = 1'-0"



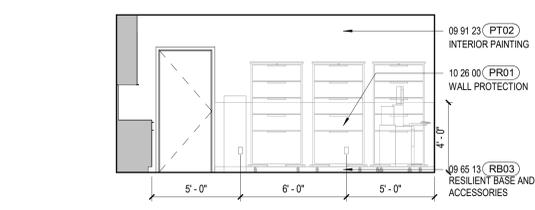
**06 ELEVATION - IR - MILLWORK B**  
SCALE: 1/4" = 1'-0"



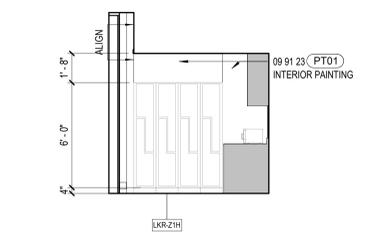
**02 ELEVATION - STAFF LOUNGE WET WALL**  
SCALE: 1/4" = 1'-0"



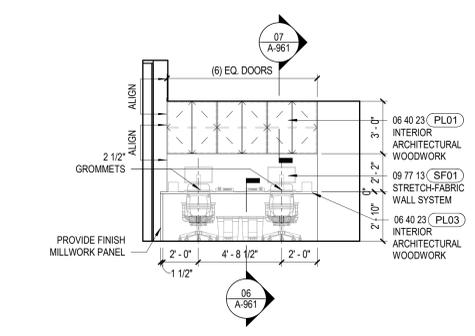
**11 ELEVATION - EXAM/CONSULT MILLWORK**  
SCALE: 1/4" = 1'-0"



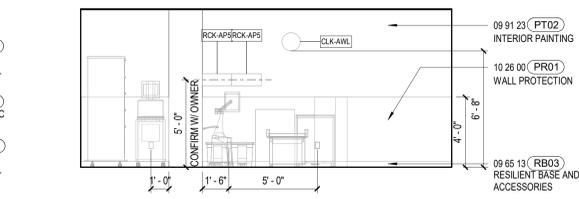
**07 ELEVATION - IR - BACK WALL**  
SCALE: 1/4" = 1'-0"



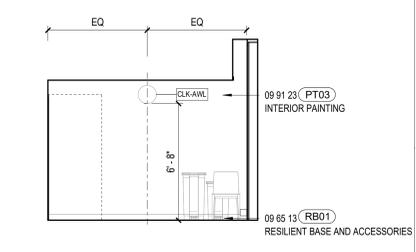
**03 ELEVATION - STAFF LOCKERS**  
SCALE: 1/4" = 1'-0"



**12 ELEVATION - WORKSTATION TOUCHDOWN**  
SCALE: 1/4" = 1'-0"



**08 ELEVATION - IR - SIDE WALL**  
SCALE: 1/4" = 1'-0"



**04 ELEVATION - STAFF LOUNGE**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

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**SHEET NOTES**

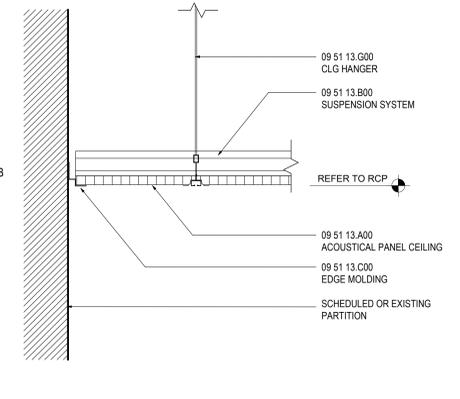
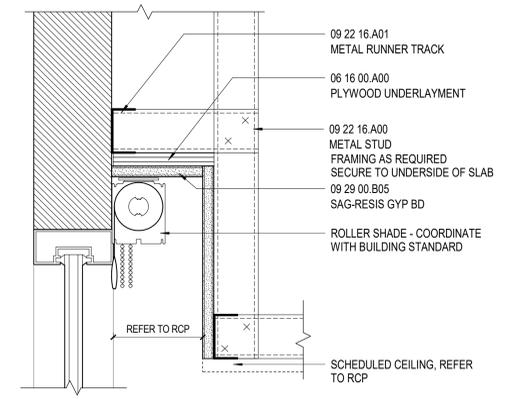
Date	Description
10.04.2021	ISSUE FOR BID
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Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
Project Number  
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Description  
DETAILS - CEILING TRANSITIONS

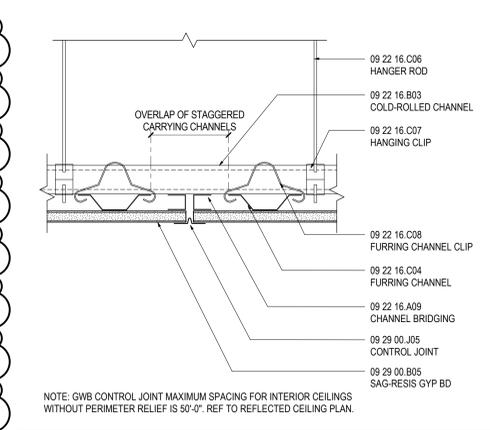
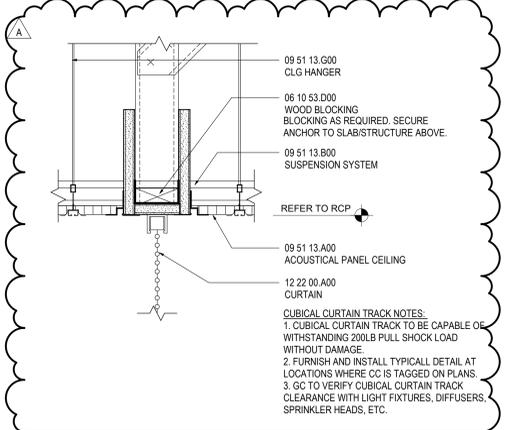
Scale  
3" = 1'-0"

**A-901**



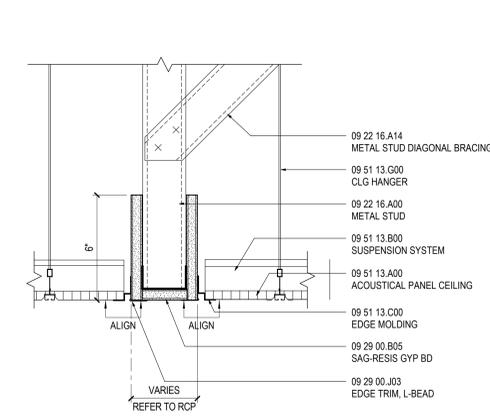
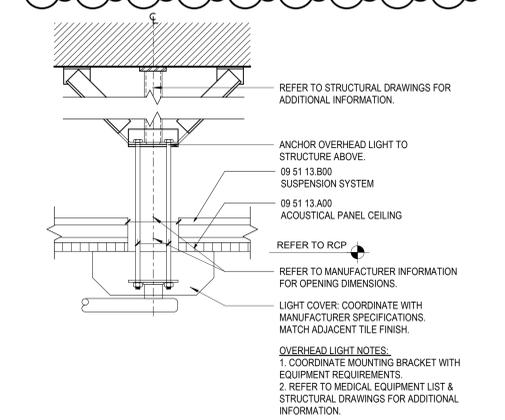
**05 TYPICAL ROLLER SHADE**  
SCALE: 3" = 1'-0"

**01 TYPICAL SHADOW MOLDING - ACT**  
SCALE: 3" = 1'-0"



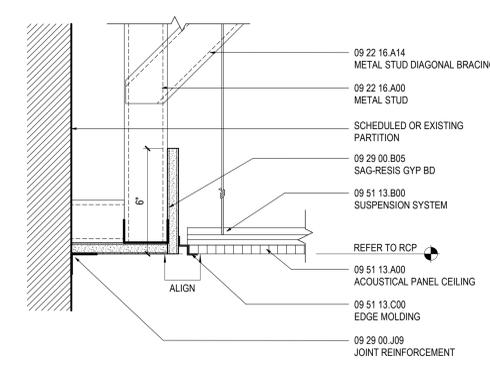
**06 TYPICAL CUBICAL CURTAIN**  
SCALE: 3" = 1'-0"

**02 GWB CONTROL JOINT**  
SCALE: 3" = 1'-0"



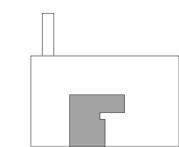
**07 TYPICAL OVERHEAD LIGHT DETAIL**  
SCALE: 3" = 1'-0"

**03 FLUSH BULKHEAD AT ACT**  
SCALE: 3" = 1'-0"

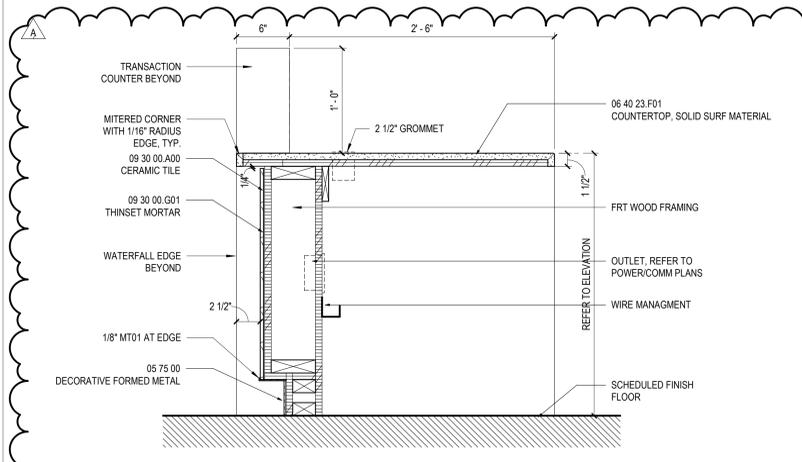


**04 FLUSH TRANSITION SOFFIT**  
SCALE: 3" = 1'-0"

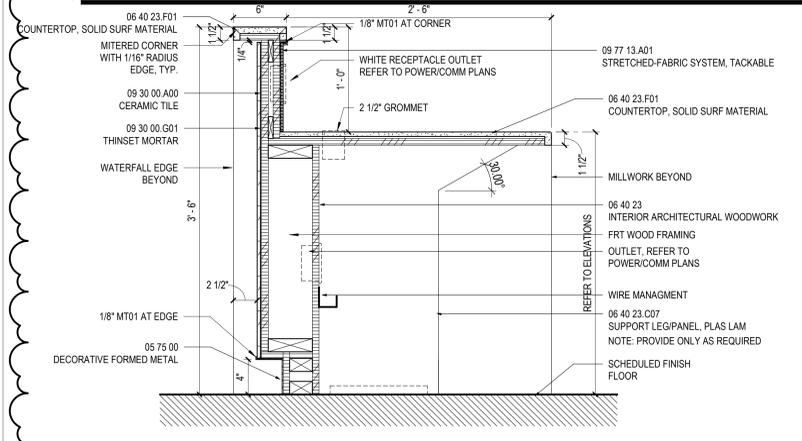
**KEY PLAN**



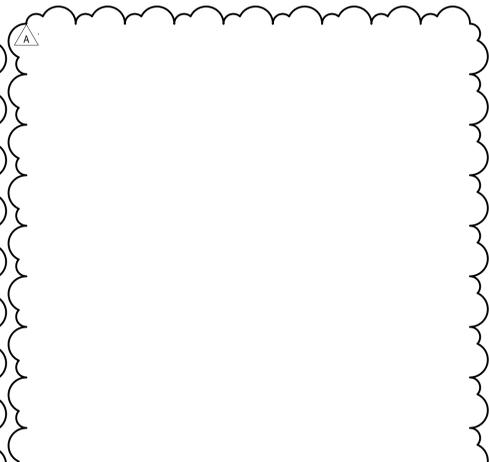




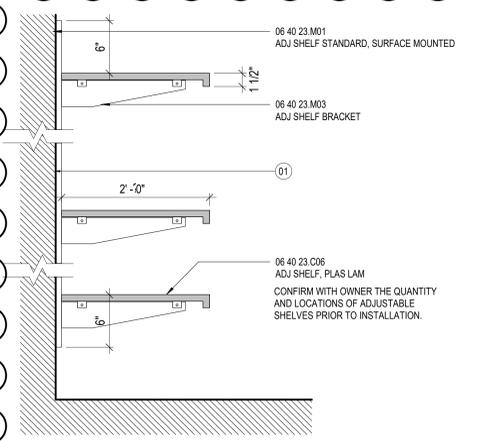
**12 RECEPTION DESK - TRANSACTION SECTION**  
SCALE: 1 1/2" = 1'-0"



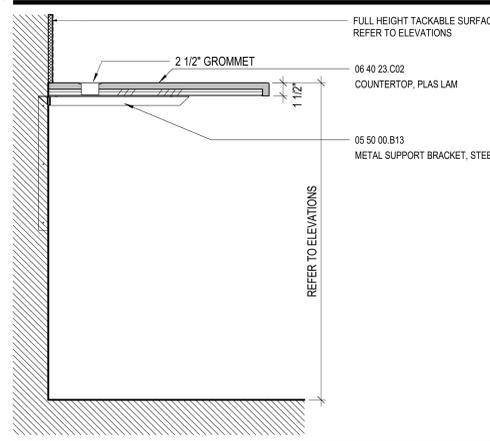
**13 RECEPTION DESK - COMPUTER SECTION**  
SCALE: 1 1/2" = 1'-0"



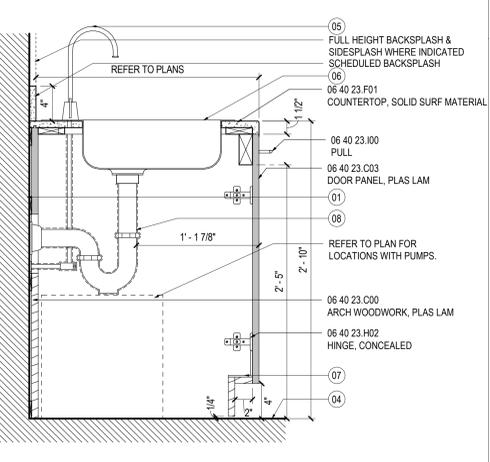
**05 UNDERCOUNTER EQUIPMENT**  
SCALE: 1 1/2" = 1'-0"



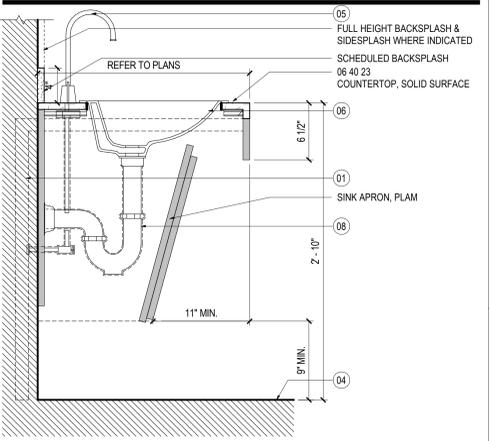
**10 ADJUSTABLE SHELVES**  
SCALE: 1 1/2" = 1'-0"



**06 FLOATING COUNTER**  
SCALE: 1 1/2" = 1'-0"



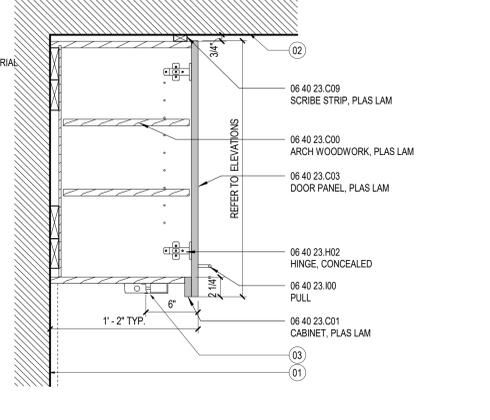
**01 BASE CABINET - SINK**  
SCALE: 1 1/2" = 1'-0"



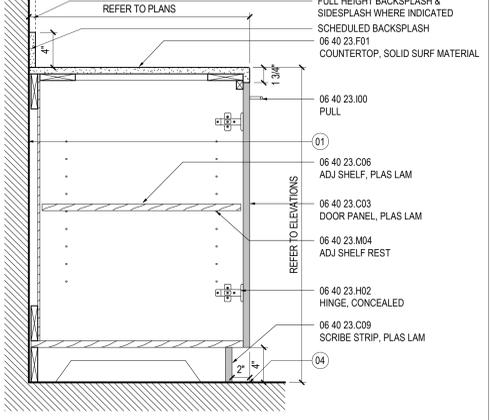
**02 BASE - SINK WITH APRON**  
SCALE: 1 1/2" = 1'-0"



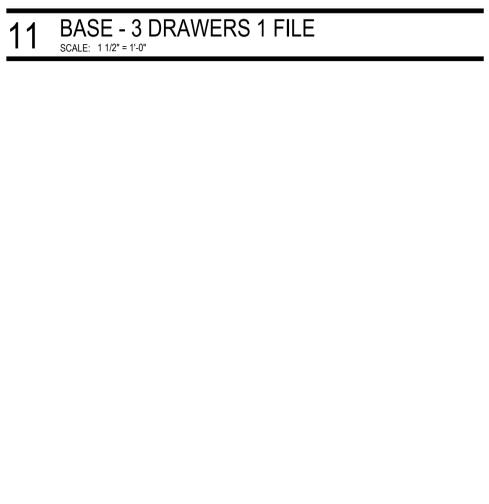
**11 BASE - 3 DRAWERS 1 FILE**  
SCALE: 1 1/2" = 1'-0"



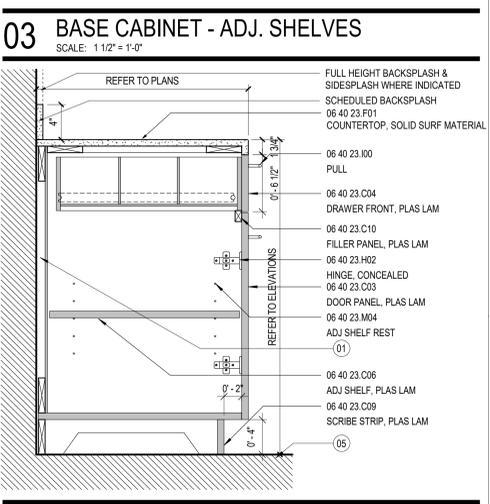
**07 UPPER CABINET - DETAIL**  
SCALE: 1 1/2" = 1'-0"



**03 BASE CABINET - ADJ. SHELVES**  
SCALE: 1 1/2" = 1'-0"



**08 UPPER CABINET - CLOSED**  
SCALE: 1 1/2" = 1'-0"



**04 BASE CABINET - 1 DRAWER**  
SCALE: 1 1/2" = 1'-0"

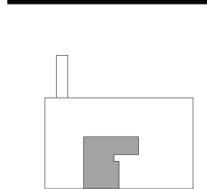
**GENERAL NOTES**

- A. PROVIDE (1) EXTRA ADJ. SHELF AT EVERY SHELF LOCATION
- B. PROVIDE LOCKING HARDWARE AT ALL MILLWORK CABINETRY. CONFIRM WITH OWNER PRIOR TO INSTALLATION.

**SHEET NOTES**

- 01 SCHEDULED OR EXISTING PARTITION
- 02 SCHEDULED CEILING. REFER TO RCP.
- 03 SCHEDULED LIGHT FIXTURE. REFER TO RCP AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 04 SCHEDULED FINISH FLOOR. REFER TO FINISH PLAN FOR MORE INFORMATION.
- 05 SCHEDULED FAUCET SET
- 06 SCHEDULED SINK
- 07 INTEGRAL TOE KICK. KNOTCH AS REQUIRED TO ALLOW DOORS TO SWING OPEN.
- 08 PIPE INSULATION
- 09 SCHEDULED OUTLET DEVICE(S)
- 10 SCHEDULED EQUIPMENT

**KEY PLAN**



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Date	Description
10.04.2021	ISSUE FOR BID
10.12.2021	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
Project Number  
**06.3757.000**  
Description  
DETAILS - MILLWORK

Scale  
1 1/2" = 1'-0"

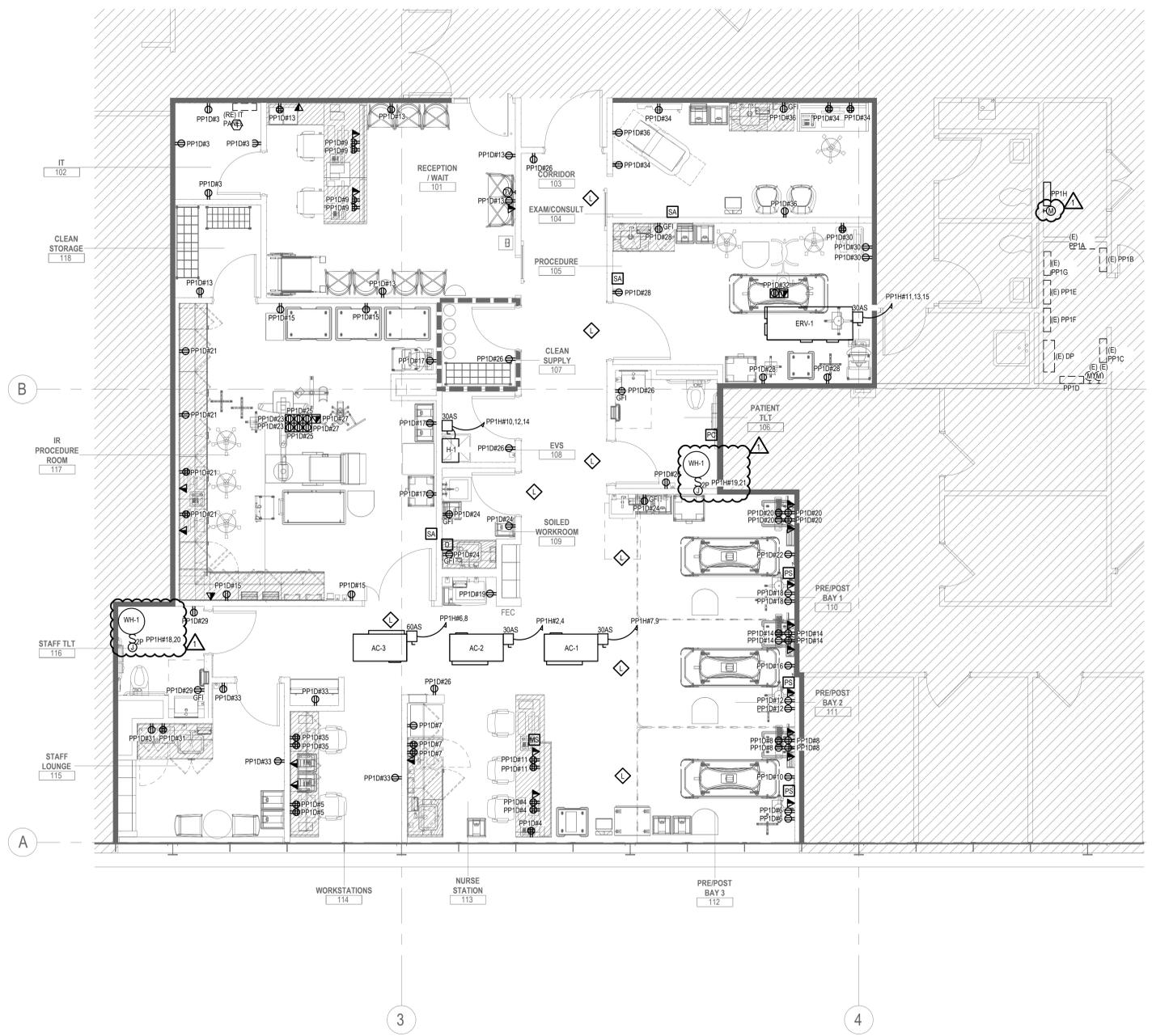
**A-961**

**GENERAL NOTES**

- REFER TO DRAWING E-001.00 FOR SYMBOLS AND ABBREVIATIONS.
- REFER TO DRAWING E-002.00 FOR GENERAL ELECTRICAL NOTES.
- CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING CIRCUITRY THAT EXTENDS BEYOND THEIR CURRENT PHASE OR BEYOND THE AREA OF WORK SERVING EQUIPMENT IN AREAS NOT IN CONTRACT. CONTRACTOR SHALL PROVIDE ALL NECESSARY WIRES, CONDUIT AND JUNCTION BOXES REQUIRED TO MAINTAIN CONTINUITY.
- CONTRACTOR IS RESPONSIBLE FOR TRACING ALL CIRCUITS, LINES IN AREA OF WORK AND LINES RUNNING TO AND FROM THE AREA OF WORK TO ADJACENT SPACES IN ORDER TO CONFIRM LOADS AND SOURCES. ONCE CONFIRMED, SUBMIT TO ENGINEER FOR REVIEW AND COORDINATION. ALL SHUTDOWNS SHALL BE ON OVERTIME AT TIMES PERMITTED BY THE OWNER. COORDINATE WITH OWNER AT LEAST TWO (2) WEEKS IN ADVANCE.
- CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL CONNECT ALL MOTORIZED DAMPERS TO 1P-20A CIRCUIT BREAKER IN NEW PANEL PPH.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTED HEIGHTS OF ALL POWER RECEPTACLES, TELEDATA RECEPTACLES, AND NURSE CALL DEVICES.

**KEY NOTES**

- CONTRACTOR SHALL EXTEND EXISTING FEEDER, WIRING AND CONDUIT PREVIOUSLY SERVING IT PANEL BEING RELOCATED TO THE NEW PANEL LOCATION IN NEW IT ROOM. RELOCATE EXISTING LOADS TO REMAIN TO THE NEW PANEL LOCATION. EXTEND ALL WIRING AND CONDUIT AS REQUIRED.



Date	Description
10.04.21	ISSUE FOR BID
01.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

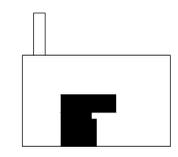
Project Number  
**12491.000**

Description  
**ELECTRICAL LEVEL 01 POWER PLAN**

Scale  
**AS NOTED**

**E-201.00**

**KEY PLAN**



**1 LEVEL 01 POWER PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

**GENERAL NOTES**

- REFER TO DRAWING E-001.00 FOR SYMBOLS AND ABBREVIATIONS.
- REFER TO DRAWING E-002.00 FOR GENERAL ELECTRICAL NOTES.
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- CONTRACTOR IS RESPONSIBLE FOR TRACING ALL CIRCUITS, LINES IN AREA OF WORK AND LINES RUNNING TO AND FROM THE AREA OF WORK TO ADJACENT SPACES IN ORDER TO CONFIRM LOADS AND SOURCES. ONCE CONFIRMED, SUBMIT TO ENGINEER FOR REVIEW AND COORDINATION. ALL SHUTDOWNS SHALL BE ON OVERTIME AT TIMES PERMITTED BY THE OWNER. COORDINATE WITH OWNER AT LEAST TWO (2) WEEKS IN ADVANCE.
- ALL EMERGENCY LIGHTING SHALL BE PROVIDED WITH INTEGRATED BATTERY BACKUP.

**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
01.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

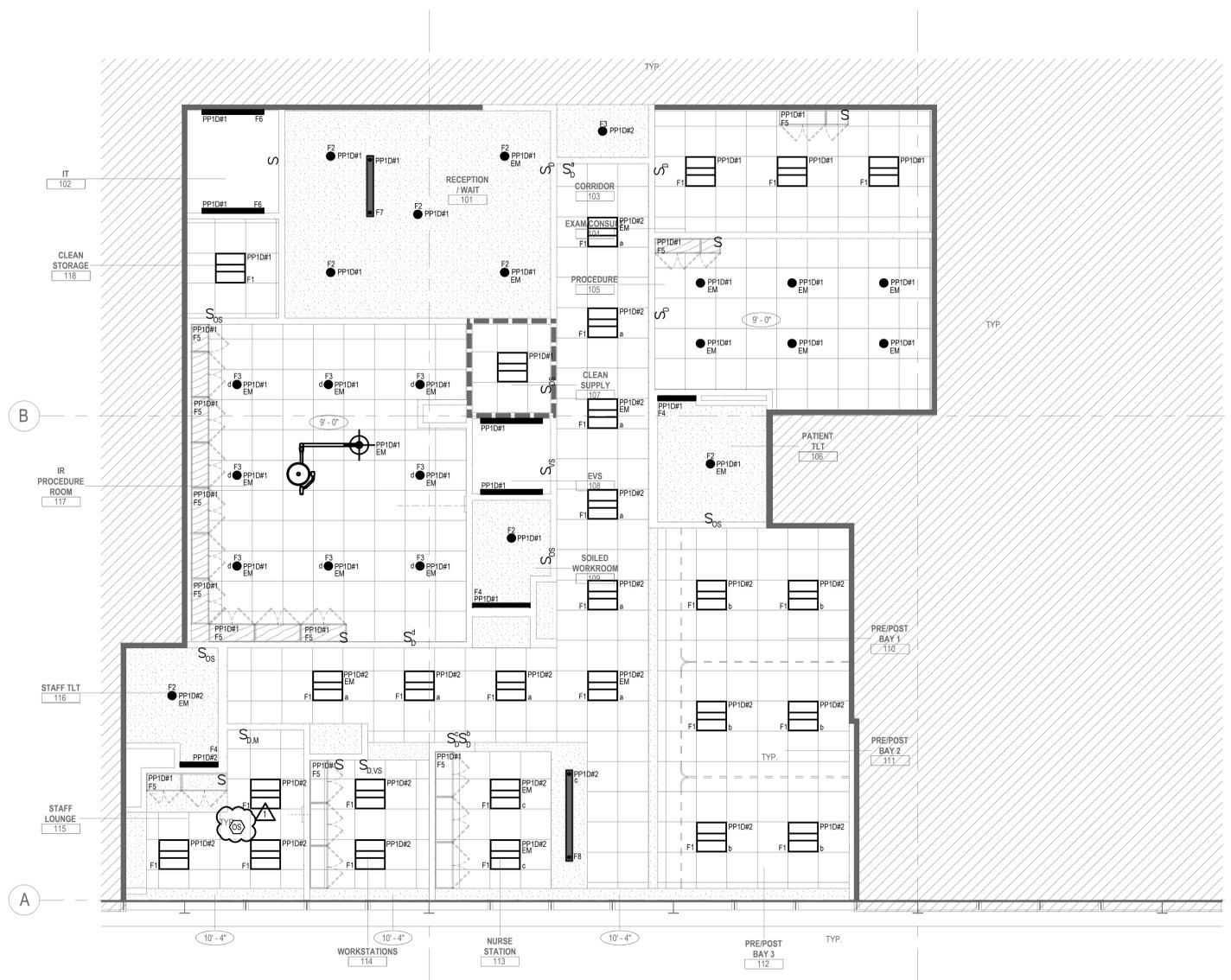
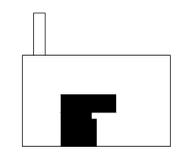
Project Number  
**12491.000**

Description  
**ELECTRICAL LEVEL 01 LIGHTING PLAN**

Scale  
**AS NOTED**

**E-301.00**

**KEY PLAN**



**1 LEVEL 01 LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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DOB NOW JOB#

**GENERAL NOTES**

- REFER TO DRAWING E-001.00 FOR SYMBOLS AND ABBREVIATIONS.
- REFER TO DRAWING E-002.00 FOR GENERAL ELECTRICAL NOTES.

155 White Plains Road  
Tarrytown, NY 10591

**Gensler**

1700 Broadway  
Suite 400  
New York, NY 10019  
United States  
Tel 212.492.1400  
Fax 212.492.1472

**LORING**

21 Pennsylvania Plaza  
New York, NY 10001  
United States  
Tel 212.563.7400

**HARMAN GROUP**

450 7th Avenue  
#1008  
New York, NY 10123  
United States  
Tel 212.433.2326

**MER**

901 Manchester Avenue  
Moyland, PA 19065  
United States  
Tel 610.565.4607

**EXISTING PANEL**  
**PANEL: PP1D**  
LOCATION: ELEC CLOSET  
MOUNTING: SURFACE  
MAIN: **MLO**  
AMP: 225 VOLT: 208/120  
PHASE: 3 4 WIRE + GND  
AIC: 42k AMPS RMS SYM

Branch Circuit Load Description	KVA Load			Trip Poles	Ckt No.	Phase	Ckt No.	Trip Poles	KVA Load			Branch Circuit Load Description								
	A	B	C						A	B	C									
LIGHTING	1.20			20/1	1	A	2	20/1	1.20			LIGHTING								
IT RECEPTACLES		1.20		20/1	3	B	4	20/1		1.20		NURSE RECEPTACLES								
WORKSTATIONS RECEPTACLES			1.20	20/1	5	C	6	20/1			1.20	PRE/POST RECEPTACLES								
NURSE RECEPTACLES	1.20			20/1	7	A	8	20/1	1.20			PRE/POST RECEPTACLES								
RECEPTION RECEPTACLES		1.20		20/1	9	B	10	20/1		1.20		PRE/POST RECEPTACLES								
NURSE RECEPTACLES			1.20	20/1	11	C	12	20/1			1.20	PRE/POST RECEPTACLES								
RECEPTION RECEPTACLES	1.20			20/1	13	A	14	20/1	1.20			PRE/POST RECEPTACLES								
IR RECEPTACLES		1.20		20/1	15	B	16	20/1		1.20		PRE/POST RECEPTACLES								
IR RECEPTACLES			1.20	20/1	17	C	18	20/1			1.20	PRE/POST RECEPTACLES								
PRINTER	1.20			20/1	19	A	20	20/1	1.20			PRE/POST RECEPTACLES								
IR RECEPTACLES		1.20		20/1	21	B	22	20/1		1.20		PRE/POST RECEPTACLES								
IR RECEPTACLES			1.20	20/1	23	C	24	20/1			1.20	PRE/POST RECEPTACLES								
IR RECEPTACLES	1.20			20/1	25	A	26	20/1	1.20			EV/TLT/CLEAN RECEPTACLES								
IR RECEPTACLES		1.20		20/1	27	B	28	20/1		1.20		PROCEDURE RECEPTACLES								
STAFF TLT RECEPTACLES			1.20	20/1	29	C	30	20/1			1.20	PROCEDURE RECEPTACLES								
LOUNGE RECEPTACLES	1.20			20/1	31	A	32	20/1	1.20			PROCEDURE RECEPTACLES								
LOUNGE RECEPTACLES		1.20		20/1	33	B	34	20/1		1.20		EXAM RECEPTACLES								
WORKSTATIONS RECEPTACLES			1.20	20/1	35	C	36	20/1			1.20	EXAM RECEPTACLES								
SPARE	0.00			20/1	37	A	38		0.10			(E) METER								
SPARE		0.00		20/1	39	B	40	20/1		0.10										
SPARE			0.00	20/1	41	C	42				0.10									
									7.20	7.20	7.20	<< PHASE SUB-TOTALS >>			7.30	7.30	7.30			
									PHASE A			PHASE B			PHASE C					
									14.50			14.50			14.50			kVA		

**LOAD SUMMARY (KVA)**

LOAD TYPE	CONNECTED	DEMAND
Lighting	2.40	2.40
Receptacles	40.80	25.40
Equip: Continuous	0.00	0.00
Equip: Non-Continuous	0.30	0.30
Kitchen	0.00	0.00
Mech: Concurrent	0.00	0.00
Mech: Non-Concurrent	0.00	0.00
<b>TOTAL KVA</b>	<b>43.50</b>	<b>28.10</b>

43.50 kVA CONNECTED LOAD  
28.10 kVA TOTAL DEMAND LOAD  
78.00 DEMAND AMPS

**PROVIDE THE FOLLOWING:**  
CONTRACTOR SHALL REPLACE ALL EXISTING CIRCUIT BREAKERS WITH NEW.

**NEW PANEL**  
**PANEL: PP1H**  
LOCATION: ELEC CLOSET  
MOUNTING: SURFACE  
MAIN: **200** MCB  
AMP: 225 VOLT: 208/120  
PHASE: 3 4 WIRE + GND  
AIC: 42k AMPS RMS SYM

MCB SIZE ERROR, CHECK SERVICE SIZE!!

Branch Circuit Load Description	KVA Load			Trip Poles	Ckt No.	Phase	Ckt No.	Trip Poles	KVA Load			Branch Circuit Load Description								
	A	B	C						A	B	C									
AC-R 3#2, 1#8GND - 1 1/2"C	8.40			80/3	1	A	2	30/2	2.17			AC-2 3#10, 1#10GND - 3/4"C								
		8.40			3	B	4			2.17		AC-3 3#8, 1#10GND - 1"C								
			8.40		5	C	6	40/2			2.66	H-1 3#10, 1#10GND - 3/4"C								
AC-1 3#10, 1#10GND - 3/4"C	2.17			30/2	7	A	8		2.66											
ERV-1		2.17			9	B	10	30/3		3.00										
3#12, 1#12GND - 3/4"C			1.08		11	C	12				3.00									
	1.08			20/3	13	A	14		3.00											
		1.08			15	B	16	20/1		0.50		F-1								
			0.30		17	C	18				1.50	WH-1								
MOTORIZED DAMPERS				20/1	19	A	20	20/2		1.50		2#12, 1#12GND - 3/4"C								
WH-1	1.50				21	B	22	20/1	0.00			SPARE								
2#12, 1#12GND - 3/4"C		1.50		20/2	23	C	24	20/1		0.00		SPARE								
SPARE			0.00		25	A	26	20/1	0.00			SPARE								
SPARE	0.00			20/1	27	B	28	20/1	0.00			SPARE								
SPARE			0.00		29	C	30	20/1		0.00		SPARE								
SPARE		0.00		20/1	31	A	32	20/1	0.00			SPARE								
SPARE	0.00			20/1	33	B	34	20/1		0.00		SPARE								
SPARE			0.00		35	C	36	20/1			0.00	SPARE								
SPARE	0.00			20/1	37	A	38	20/3		0.00		METER								
SPARE		0.00		20/1	39	B	40			0.00										
SPARE			0.00		41	C	42				0.00									
									13.15	13.15	9.78	<< PHASE SUB-TOTALS >>			9.33	5.67	7.16			
									PHASE A			PHASE B			PHASE C					
									22.48			18.82			16.94			kVA		

**LOAD SUMMARY (KVA)**

LOAD TYPE	CONNECTED	DEMAND
Lighting	0.00	0.00
Receptacles	0.00	0.00
Equip: Continuous	0.00	0.00
Equip: Non-Continuous	58.24	58.24
Kitchen	0.00	0.00
Mech: Concurrent	0.00	0.00
Mech: Non-Concurrent	0.00	0.00
<b>TOTAL KVA</b>	<b>58.24</b>	<b>58.24</b>

58.24 kVA CONNECTED LOAD  
58.24 kVA TOTAL DEMAND LOAD  
161.66 DEMAND AMPS

**PROVIDE THE FOLLOWING:**

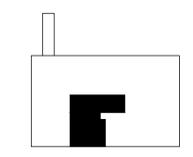
**LIGHTING FIXTURE SCHEDULE**

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	BALLAST / DRIVER	VOLTAGE	LAMPS			REMARKS
					QUANTITY	TYPE	WATTAGE	
F1	RECESSED 2X2 WITH CENTER ACRYLIC SMOOTH OPAL OPTIC INTEGRAL LED DRIVER	FIXTURE BY: AXIS CAT. No.: AULED-22-XXX-80-35-SO-W-UNV-DP-1-B(1)	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	42	LUMEN AS SPECIFIED BY ARCHITECT.
F2	RECESSED 4-1/2" ROUND APERTURE FLANGED LED DOWNLIGHT	FIXTURE BY: USAI CAT. No.: 84RD-12G1-35K-90-S-WH-WH-NCSMAJUNV-DEE	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	12	LUMEN AS SPECIFIED BY ARCHITECT.
F3	RECESSED 4" ROUND NON-FERROUS FLANGED LED DOWNLIGHT	FIXTURE BY: KIRLIN CAT. No.: MRR-0416-2500-MFL-30F	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	34	LUMEN AS SPECIFIED BY ARCHITECT.
F4	RECESSED 4" WIDE LINEAR CONTINUOUS LED.	FIXTURE BY: AXIS CAT. No.: BMRLED-600-80-35-FL-2-W-UNV-DP-1-XX	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	7.1 FT	LUMEN AS SPECIFIED BY ARCHITECT.
F5	UNDERCABINET LINEAR LED TASK LIGHT. INTEGRAL LED DRIVERS	FIXTURE BY: PICASSO CAT. No.: TASK-X-D3-35-80-FW-SM-2T2	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	5	LUMEN AS SPECIFIED BY ARCHITECT.
F6	SURFACE MOUNTED LINEAR LED STRIP	FIXTURE BY: LITHONIA CAT. No.: ZL104-48-3000LM-FST-MVOLT-35K-80CRI-WH-2AVCH	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	41	LUMEN AS SPECIFIED BY ARCHITECT.
F7	LINK HORIZONTAL PENDANT	FIXTURE BY: HOLLIS + MORRIS CAT. No.: LINKhorizontal3FT-WOOD	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	13	LUMEN AS SPECIFIED BY ARCHITECT.
F8	LINEAR	FIXTURE BY: JUNIPER CAT. No.: PETERBRISTOL-36IN-3000K-0-10V-L	0-10V DIMMING LED DRIVER	UNIV. 120/277	1	LED	9.6	LUMEN AS SPECIFIED BY ARCHITECT.
	EXIT SIGN	FIXTURE BY: TBD CAT. No.: TBD	TBD		1			

NOTES:  
1. COORDINATE QUANTITY, COLOR, AND FINISH OF LIGHT FIXTURES WITH ARCHITECT.

**KEY NOTES**

**KEY PLAN**



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DOB NOW JOB#

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**12491.000**

Description  
**ELECTRICAL SCHEDULES**

Scale  
AS NOTED

**E-501.00**

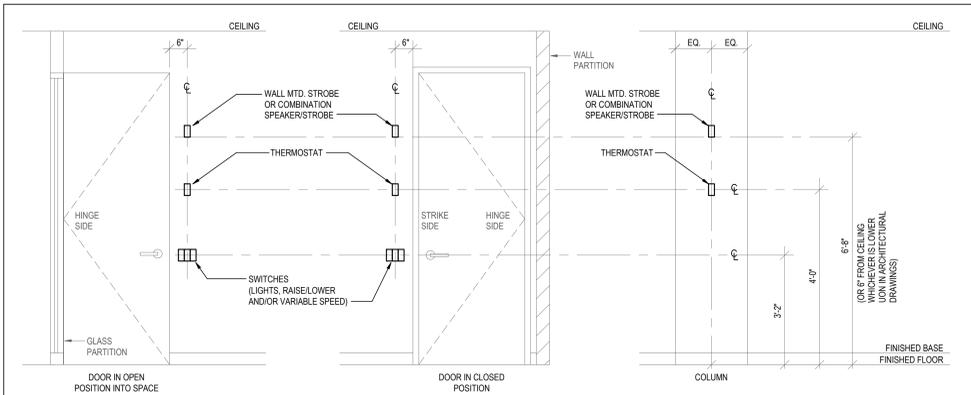
FIRE ALARM SYMBOL LIST	
	COMBINATION WALL-MOUNTED BUILDING STANDARD BELL-STROBE FIRE ALARM DEVICE FIELD SELECTABLE CANDELA LEVELS 15/30/75/110 CD = CANDELA RATINGS/SETTING C = CEILING MOUNTED
	WALL-MOUNTED BUILDING STANDARD STROBE FIRE ALARM DEVICE FIELD SELECTABLE CANDELA LEVELS 15/30/75/110 CD = CANDELA RATINGS/SETTING
	CEILING-MOUNTED BUILDING STANDARD STROBE FIRE ALARM DEVICE FIELD SELECTABLE CANDELA LEVELS 15/30/75/110 CD = CANDELA RATINGS/SETTING
	WALL-MOUNTED GONG
	AREA SMOKE DETECTOR EL = ELEVATOR RECALL
	DUCT-MOUNTED SMOKE DETECTOR
	MANUAL PULL STATION
	INTERFACE MODULE
	CONTROL MODULE (ADDRESSABLE OUTPUT MODULE)
	MONITOR MODULE (ADDRESSABLE INPUT MODULE)
	INTERPOSING RELAY (NON-ADDRESSABLE OUTPUT RELAY)
	ELECTRIC LOCK
	MAGNETIC DOOR HOLD OPEN DEVICE
	FIRE/SMOKE DAMPER
	MOTOR CONTROLLER (SHOWN TO ILLUSTRATE FAN SHUTDOWN)
	WARDEN STATION
	WATERFLOW SWITCH
	VALVE SUPERVISORY / TAMPER SWITCH
	END-OF-LINE RESISTOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM DATA GATHERING PANEL
	NEW WIRING AND CONDUIT
	EXISTING WIRING AND CONDUIT

FIRE ALARM ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
1P	SINGLE POLE
2P	TWO POLE
3P	THREE POLE
A	AMPERES
AC	ABOVE CENTER
AFE	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV, AVY	AUDIO-VISUAL
AWG	AMERICAN WIRE GAUGE
BIDS	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAS	CABINET
CAV	CONSTANT AIR VOLUME
CL	CLOSED
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKTS	CIRCUITS
CM	CONSTRUCTION MANAGER
COMM	COMMUNICATION
CONN	CONNECTED
CONT	CONTINUATION
CP	CONDENSATE PUMP
CT	CURRENT TRANSFORMER
CU	COPPER
CUH	CABINET UNIT HEATER
DB	DEGREE
DEG	DEGREE
DIA	DIAMETER
DP	DISTRIBUTION PANEL
DISC, DIS	DISCONNECT SWITCH
DWG	DRAWING
DWG	DEGREES CELSIUS
F	DEGREES FAHRENHEIT
REL, EX, E	EXISTING TO REMAIN
EA	EACH
EC	EMPTY CONDUIT, ELECTRICAL CONTRACTOR
EL, EV	ELEVATOR
EM, EMER	EMERGENCY
EQUIP	EQUIPMENT
ERR	EXISTING TO BE REMOVED
ERRR	EXISTING TO BE REMOVED AND RELOCATED
ERC	ELECTRIC REHEAT COIL
EW	ELECTRIC WATER COOLER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHER DIVISION OF WORK
FCC	FIRE COMMAND CENTER
FCU	FAN COIL UNIT
FL	FLOOR
FLA	FULL LOAD AMPERES
FLUOR	FLUORESCENT
FSD	FIRE SMOKE DAMPER
FT	FEET / FOOT
G	GROUND
G, GND, GND	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
H	HUNG CEILING
HD	HAND DRYER
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HV	HIGH VOLTAGE
HZ	HERTZ
ID	INSIDE DIAMETER
IG	ISOLATED GROUND
JB	JUNCTION BOX
KMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATTS
KWH	KILOWATT HOURS
LAN	LOCAL AREA NETWORK
LIM	LINE ISOLATION MOTOR
LTG	LIGHTING
MAP	MEDICAL GAS MASTER ALARM PANEL

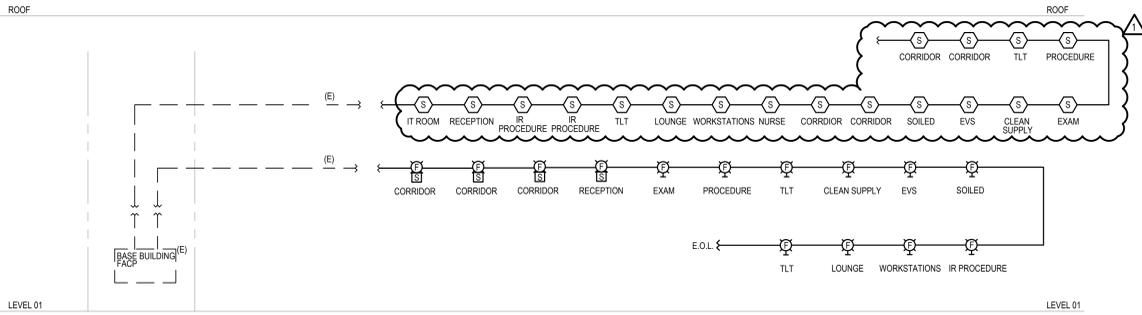
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MFS	MAIN FUSED SWITCH
MH	MARKING
MIN	MINIMUM
MLO	MAIN LOSS ONLY
MOPD, MOCP	MAXIMUM OVERCURRENT PROTECTION DEVICE
MTD	MOUNTED
MTO	MOUNTING
MIS	MANUAL TRANSFER SWITCH
NC	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE (NFPA 70)
NO	NOT IN CONTACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
POLE(S)	POLE(S)
PA	PUBLIC ADDRESS SYSTEM
PB	PULL BOX
PC	PERSONAL COMPUTER
PH	PHASE
PM	POWER MONITOR
PANL	PANEL
PS	PRESSURE SWITCH
PT	POTENTIAL TRANSFORMER
PHWR	POWER
PH	PHASE
RE	RELOCATED EXISTING (RELOCATED EXISTING DEVICE AT NEW LOCATION)
RECPY, RCPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	REMOVE AND RETURN TO OWNER
RRD	REMOVE AND RETURN TO OWNER
SD	SMOKE DAMPER, SMOKE DETECTOR
SO	SOUTH
SP	SPARE
SPD	SURGE PROTECTIVE DEVICE
SPST	SINGLE POLE SINGLE THROW
STD	STANDARD
SW	SWITCH
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYSTEM	SYSTEM
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPERATURE
TRNS, XTR	TRANSFER
TS, VS	TAMPER SWITCH (VALVE SUPERVISORY SWITCH)
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TY	TYPICAL
UH	UNIT HEATER
UNF	UNFUSED
UNO	UNLESS OTHERWISE NOTED
LTP	UNSHIELDED TWISTED-PAIR
V	VOLT
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
VMT	VOLTMETER
VP	VAPORPROOF
W	WATT
WRP	WEATHER-RESISTANT
WT	WATER TIGHT
WRP	WEATHER-RESISTANT
TRANS, XTR	TRANSFER
TS, VS	TAMPER SWITCH (VALVE SUPERVISORY SWITCH)
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TY	TYPICAL
UH	UNIT HEATER
UNF	UNFUSED
UNO	UNLESS OTHERWISE NOTED
LTP	UNSHIELDED TWISTED-PAIR
V	VOLT
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
VMT	VOLTMETER
VP	VAPORPROOF
W	WATT
WRP	WEATHER-RESISTANT
WT	WATER TIGHT
WRP	WEATHER-RESISTANT

**FIRE ALARM VENDOR**  
 FIRE ALARM SYSTEM BASE BUILDING VENDOR  
 IS OPEN SYSTEM METRO, INC.  
 POINT OF CONTACT: CHARLIE MAGNOTTA  
 914.241.0091

SYSTEM FUNCTIONS	SYSTEM DEVICES														STATUS					
	MANUAL INITIATION AT MAIN FACP	MANUAL PULL STATION	WATERFLOW DETECTOR	SMOKE DETECTOR, DUCT-MOUNTED	SMOKE DETECTOR, AREA (MULTICRITERIA)	SMOKE DETECTOR, TOP OF SHAFT	SMOKE DETECTOR, ELEVATOR LOBBY	SMOKE DETECTOR, ELEVATOR MACHINERY ROOM	SMOKE DETECTOR, ELEVATOR MACHINE ROOM	HEAT DETECTOR	SUBSYSTEM ALARM CONTACT	TEMPERATURE SWITCH <math>\le 40^{\circ}\text{F}</math>	DBP OR FACP CABINET TAMPER SWITCH	CENTRAL STATION TRIP AT FACP	FIRE PUMP STATUS	FAN STATUS (ON/OFF)	SUPERVISORY SIGNAL	TROUBLE SIGNAL	SUBSYSTEM TROUBLE	SUBSYSTEM SUPERVISORY
ALERT SIGNALING, AUTOMATIC, INITIATE A CODED GENERAL ALARM FOR THE FLOOR WHERE SMOKE HAS BEEN DETECTED AND INITIATE OPERATION OF ALL STROBE LIGHTS FOR THE FLOOR WHERE SMOKE HAS BEEN DETECTED.	X	X	X	X	X	X	X	X	X	X										
AUTOMATICALLY RELEASE ALL ELECTRICALLY OPERATED DOORS (PUSH PLATES REQUIRED TO OPERATE DOORS) LOCATED ON THE FLOOR UNDER ANY ALARM SIGNALS ORIGINATING FROM THAT FLOOR.	X	X	X	X	X	X	X	X	X	X										
SUPERVISORY SIGNALING.															X	X	X	X		X
TROUBLE SIGNALING.																			X	X
STATUS MONITORING OF CENTRAL STATION TRANSMITTER.																			X	
TRANSMIT THE APPROPRIATE ALARM SIGNAL(S) TO THE CENTRAL STATION: MANUAL, AUTOMATIC, WATER FLOW.	X	X	X	X	X	X	X	X	X	X			X							
TRANSMIT A COMMON SUPERVISORY SIGNAL TO THE CENTRAL STATION.													X	X	X	X			X	X
TRANSMIT A COMMON TROUBLE SIGNAL TO THE CENTRAL STATION.																		X	X	
INITIATE AUTOMATIC SMOKE EXHAUSTING OF SHAFTS.	X				X															
MANUAL INITIATION OF SYSTEM RESET.	X																			
SHUT DOWN FANS OVER 2,000 CFM.	X	X	X	X	X	X	X	X	X	X					X					



**1** TYPICAL DEVICE LOCATION AND ELEVATION  
 SCALE: NTS



LEVEL 01 PARTIAL FIRE ALARM WIRING DIAGRAM  
 NOT TO SCALE

**LEGEND**  
 — NEW  
 - - - EXISTING TO REMAIN

**GENERAL NOTES**

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**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

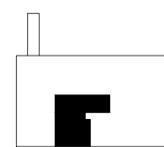
Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**  
 Project Number  
**12491.000**

Description  
**FIRE ALARM COVER SHEET**

Scale  
 AS NOTED

**FA-001.00**

**KEY PLAN**



THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

**GENERAL NOTES**

1. REFER TO DRAWING FA-001.00 FOR SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING FA-002.00 FOR GENERAL FIRE ALARM NOTES.

**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
09.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

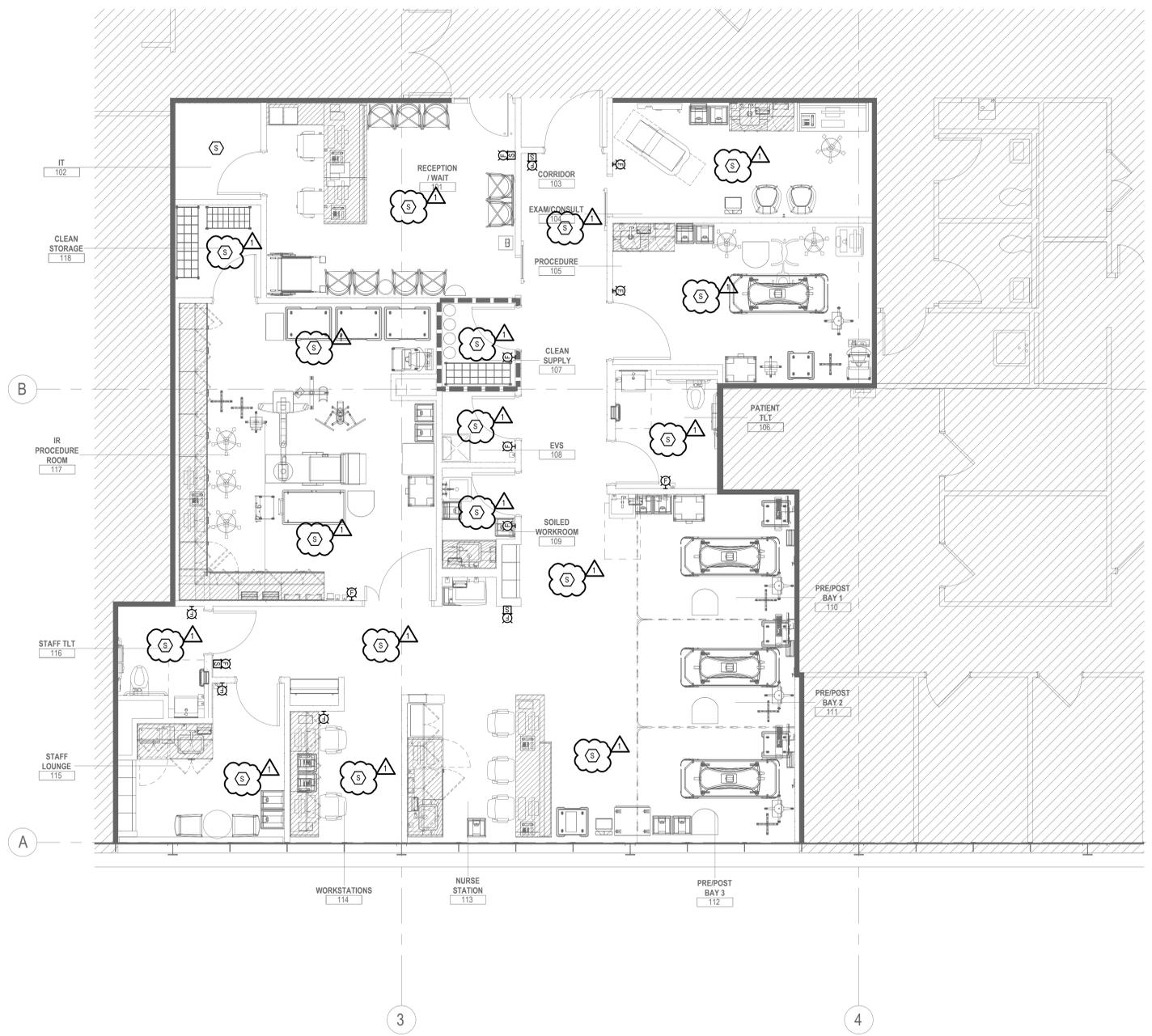
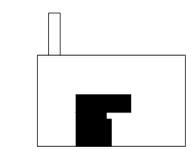
Project Number  
**12491.000**

Description  
**FIRE ALARM LEVEL 01 PLAN**

Scale  
**AS NOTED**

**FA-201.00**

**KEY PLAN**



**1 LEVEL 01 FIRE ALARM PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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DOB NOW JOB#

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**DRAWING NOTES:**

- ① EXISTING WALL MOUNTED AIR COOLED SPLIT UNIT AND CONDENSATE PUMP TO BE REMOVED AND STORED. REMOVE ALL POWER AND CONTROL WIRING. PURGE, CAP, AND SEAL THE REFRIGERANT PIPING. UNIT AND CONDENSATE PUMP TO BE REINSTALLED IN A NEW LOCATION. REFER TO NEW WORK PLANS.
- ② EXISTING CEILING HUNG HEAT-PUMP UNIT TO BE REMOVED. TURN OVER TO BUILDING MGT OR RECLAIM REFRIGERANT AND DISCARD UNIT AS PER BUILDING MANAGEMENT DIRECTION. REMOVE ALL POWER AND CONTROL WIRING.
- ③ EXISTING DUCT UP TO TOILET EXHAUST FAN ON ROOF. CUT AND CAP BRANCH DUCTS AT LOCATION INDICATED AND SEAL REMAINING DUCT. EXISTING FAN TO REMAIN.

**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL  
RADIOLOGY - TARRYTOWN**

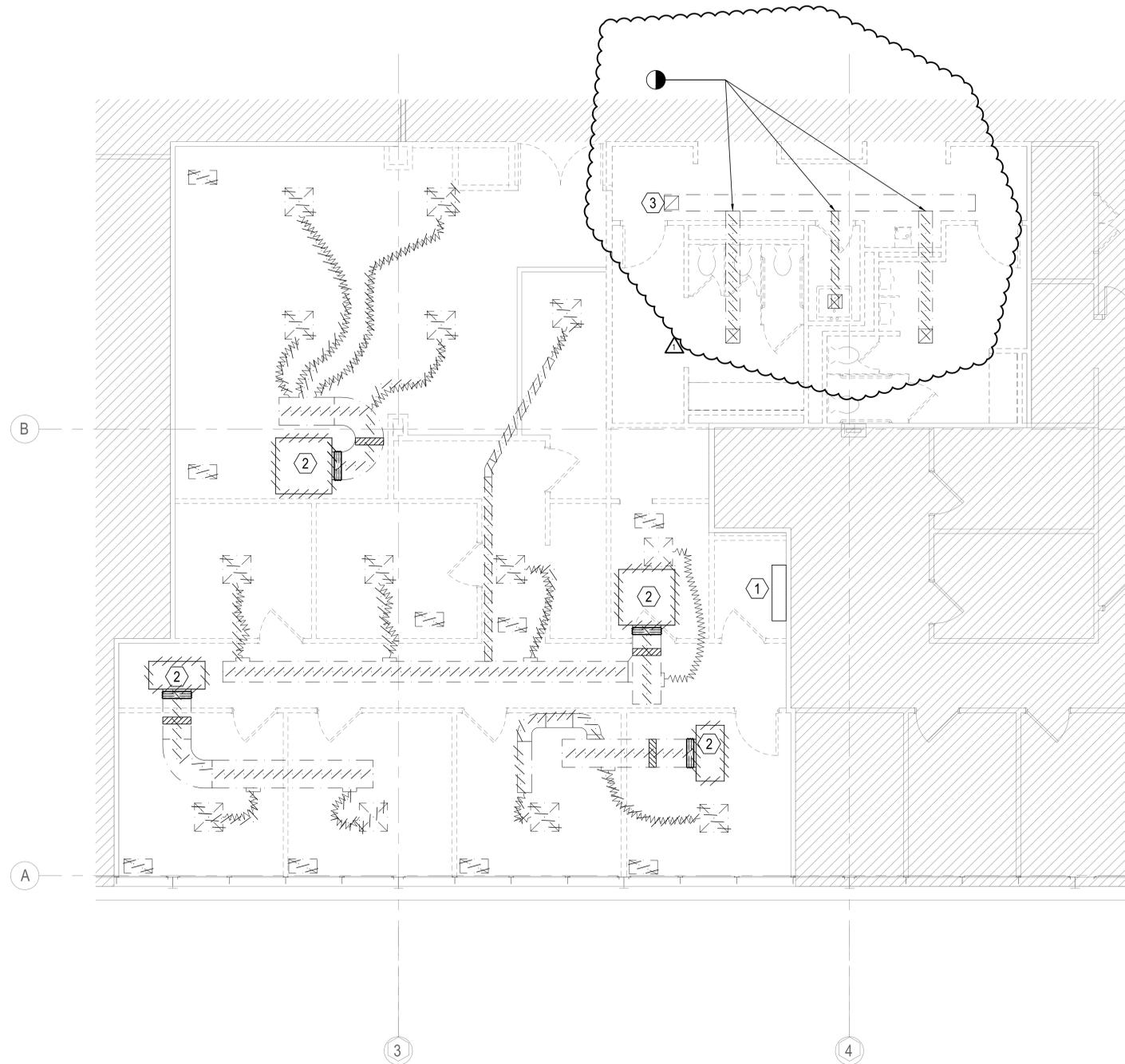
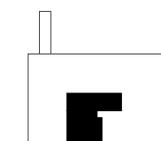
Project Number  
**12491.000**

Description  
**MECHANICAL  
LEVEL 01  
DUCTWORK DEMOLITION PLAN**

Scale  
**AS NOTED**

**M-102.00**

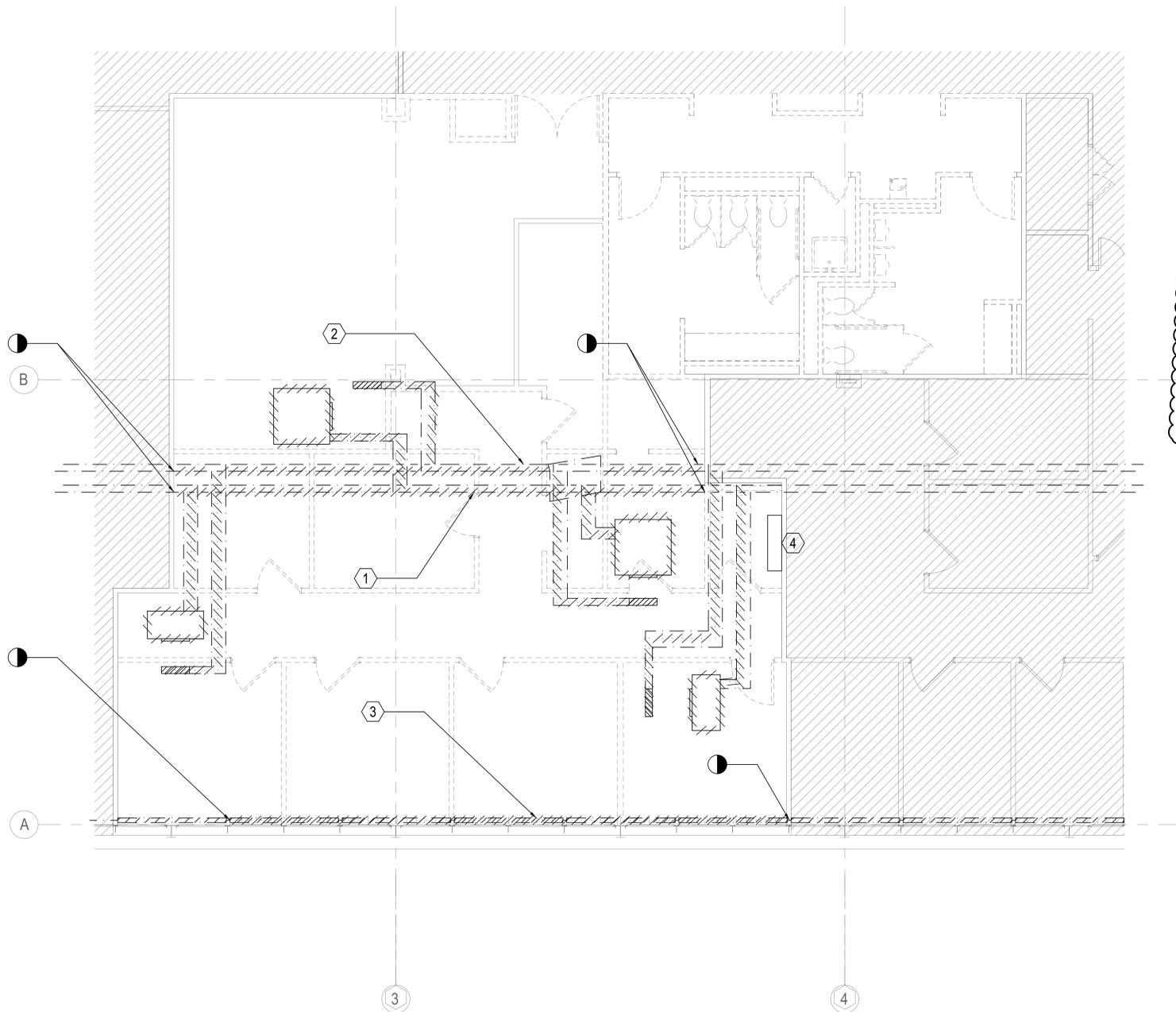
**KEY PLAN**



① **LEVEL 01 DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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DOB NOW JOB#



- DRAWING NOTES:**
- 1 EXISTING 3-INCH COPPER CONDENSER WATER SUPPLY AND RETURN PIPING TO BE REMOVED AND REINSTALLED AT A HIGHER ELEVATION TO AVOID CONFLICTS WITH THE NEW IR ROOM CEILING HEIGHT. DRAIN AND REFILL THE SYSTEM AS PER BUILDING REQUIREMENTS.
  - 2 EXISTING 2-INCH COPPER HOT WATER SUPPLY AND RETURN PIPING TO BE REMOVED AND REINSTALLED AT A HIGHER ELEVATION TO AVOID CONFLICTS WITH NEW IR ROOM CEILING HEIGHT. DRAIN AND REFILL THE SYSTEM AS PER BUILDING REQUIREMENTS.
  - 3 EXISTING PERIMETER HOT WATER RADIATION TO BE REMOVED. EXTEND NEW 1-1/2" PIPE UP TO CEILING AND BACK DOWN TO PERIMETER TO MAINTAIN THE LOOP TO ADJACENT SPACES. DRAIN AND REFILL THE SYSTEM AS PER BUILDING REQUIREMENTS.
  - 4 EXISTING WALL HUNG AC UNIT TO BE RELOCATED. PURGE AND RECLAIM REFRIGERANT, CUT AND CAP AND CHARGE REFRIGERANT PIPING WITH NITROGEN. PIPING TO BE EXTENDED TO THE NEW UNIT LOCATION. SEE NEW WORK PLAN.

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**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

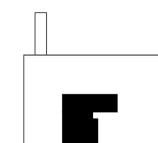
Project Number  
**12491.000**

Description  
**MECHANICAL LEVEL 01 PIPING DEMOLITION PLAN**

Scale  
**AS NOTED**

**M-101.00**

**KEY PLAN**



**1 LEVEL 01 DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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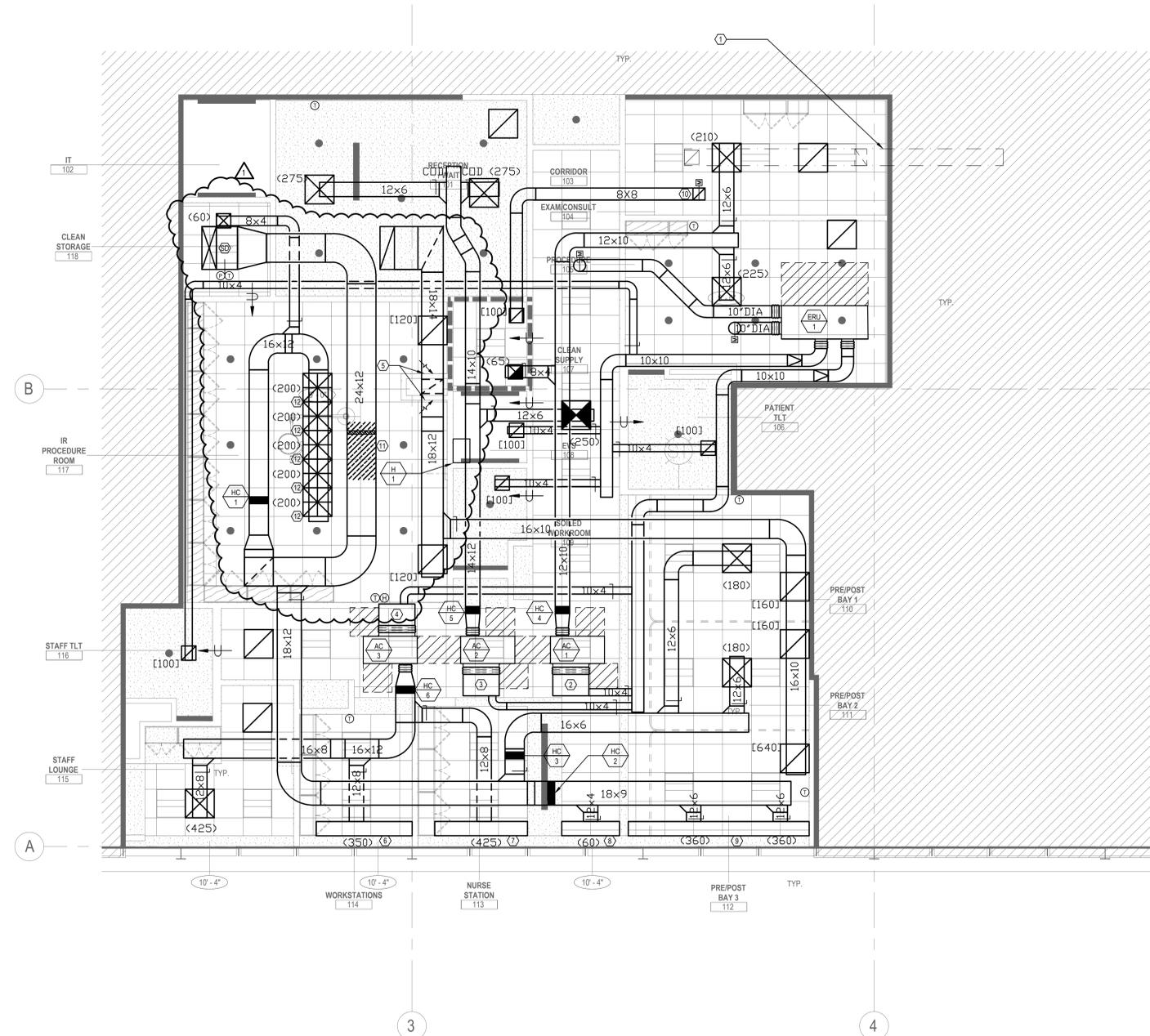
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DRAWING NOTES:

- ① EXISTING BUILDING TOILET EXHAUST DUCT TO REMAIN. PROVIDE NEW BRANCH DUCTS TO THE NEW TOILETS AS INDICATED.
- ② MIXED AIR PLENUM, 30x18x15 WITH TWO OPENINGS ON THE SIDES AT 14X14 WITH WMS IN FACE. PROVIDE ACCESS DOOR FOR FILTER RACK AT UNIT. BALANCE OUTSIDE AIR SUPPLY BRANCH TO 150 CFM.
- ③ MIXED AIR PLENUM, 30x18x15 WITH TWO OPENINGS ON THE SIDES AT 14X14 WITH WMS IN FACE. PROVIDE ACCESS DOOR FOR FILTER RACK AT UNIT. BALANCE OUTSIDE AIR SUPPLY BRANCH TO 100 CFM.
- ④ MIXED AIR PLENUM, 30x18x17 WITH TWO OPENINGS ON THE SIDES AT 14X16 WITH WMS IN FACE. PROVIDE ACCESS DOOR FOR FILTER RACK AT UNIT. BALANCE OUTSIDE AIR SUPPLY BRANCH TO 100 CFM.
- ⑤ 18X12 DUCT DROP DOWN TO FLOOR. PROVIDE TWO WALL GRILLES WITH CORD OPERATED DAMPERS AT 9-INCHES (MINIMUM) ABOVE THE FLOOR. GRILLES TO BE 14X12. BALANCE BOTH TO 320 CFM.
- ⑥ LINEAR DIFFUSER - TITUS MODEL FL-10-JT, JET THROW, 1-1 INCH SLOT. TOTAL LENGTH 6'8", ACTIVE LENGTH 6'0". PROVIDE 7'0"x12"WX12" HIGH SUPPLY AIR PLENUM. BALANCE SUPPLY BRANCH TO CFM INDICATED.
- ⑦ LINEAR DIFFUSER - TITUS MODEL FL-10-JT, JET THROW, 1-1 INCH SLOT. TOTAL LENGTH 6'4", ACTIVE LENGTH 6'0". PROVIDE 7'0"x12"WX12" HIGH SUPPLY AIR PLENUM. BALANCE SUPPLY BRANCH TO CFM INDICATED.
- ⑧ LINEAR DIFFUSER - TITUS MODEL FL-10-JT, JET THROW, 1-1 INCH SLOT. TOTAL LENGTH 4'0", ACTIVE LENGTH 1'0". PROVIDE 4'0"x12"WX12" HIGH SUPPLY AIR PLENUM. BALANCE SUPPLY BRANCH TO CFM INDICATED.
- ⑨ LINEAR DIFFUSER - TITUS MODEL FL-10-JT, JET THROW, 1-1 INCH SLOT. TOTAL LENGTH 12'6", PROVIDE TWO ACTIVE SECTIONS OF 6'0". PROVIDE 13'0"x12"WX12" HIGH SUPPLY AIR PLENUM. BALANCE SUPPLY BRANCHES TO CFM INDICATED.
- ⑩ GAS STORAGE EXHAUST DUCT WITH MOTORIZED DAMPER UP TO ROOF EXHAUST FAN.
- ⑪ STAINLESS STEEL DUCT WITH STEAM DISPERSION TUBE AND BOTTOM DRAIN. MINIMUM LENGTH 48 INCHES. SEE DETAIL. HUMIDIFIER DISPERSION TUBE TO BE MOUNTED 6-INCHES FROM START OF STAINLESS STEEL DUCT. RUN DRAIN FROM DUCT AND SPILL TO SLOP SINK IN JC.
- ⑫ LAMINAR FLOW DIFFUSER SIMILAR TO TITUS MODEL TLF 7-INCH NECK 24X24 FACE. 200 CFM EACH (TYP 5).



1 LEVEL 01 MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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DOB NOW JOB#

KEY NOTES

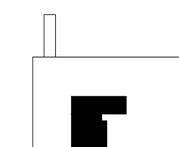
Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
INTERVENTIONAL RADIOLOGY - TARRYTOWN  
Project Number  
12491.000  
Description  
MECHANICAL LEVEL 01 NEW DUCTWORK PLAN

Scale  
AS NOTED

M-201.00



KEY PLAN

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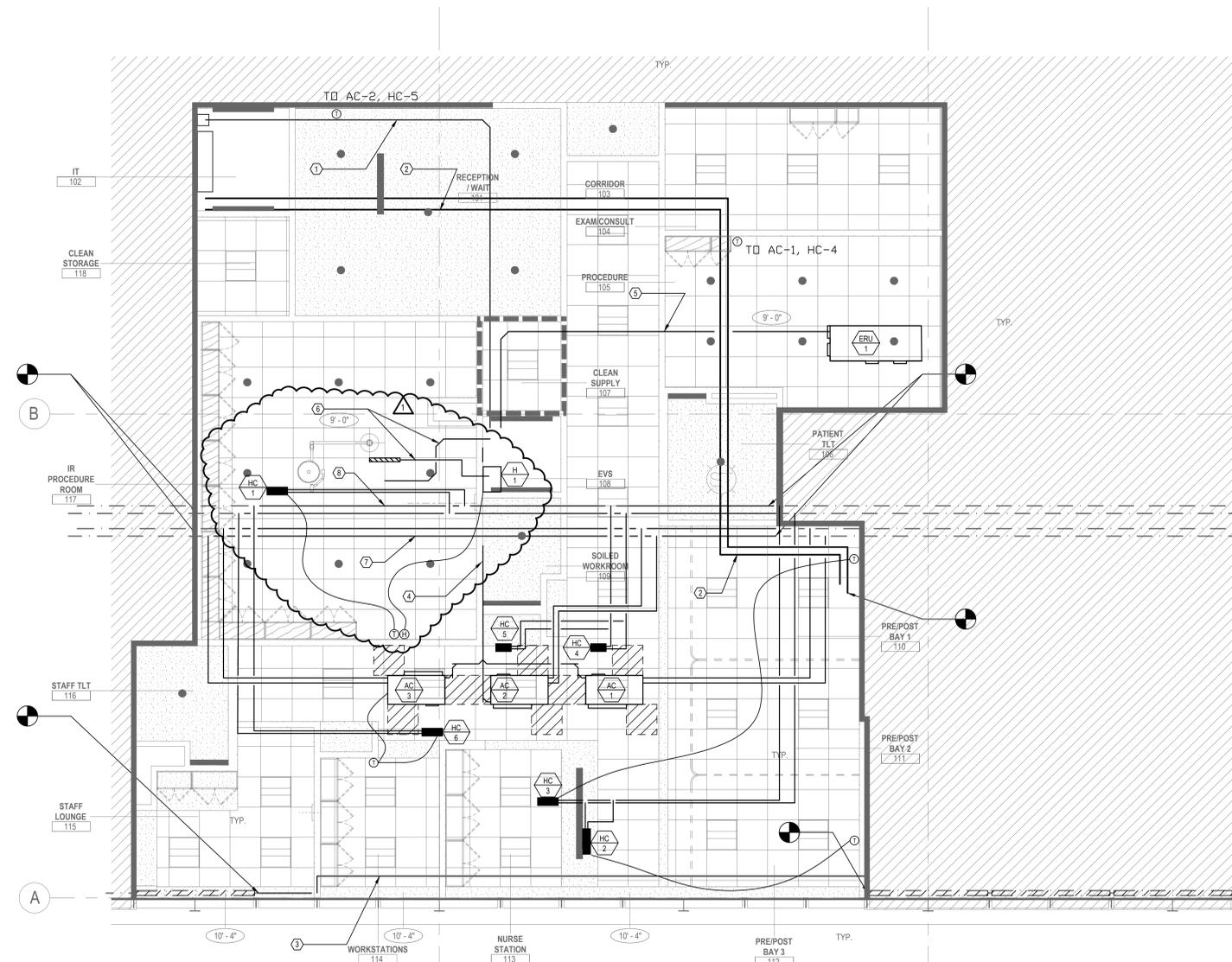
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**DRAWING NOTES:**

- ① RUN NEW 3/4-INCH PUMPED CONDENSATE FROM RELOCATED CONDENSATE PUMP TO NEW SLOP SINK.
- ② RUN NEW REFRIGERANT PIPING FROM EXISTING UNIT LOCATION TO NEW LOCATION. CHARGE CIRCUIT WITH REFRIGERANT AND OIL AS PER MANUFACTURER'S REQUIREMENTS.
- ③ EXTEND NEW 1-1/2-INCH PERIMETER HOT WATER RADIATION PIPING FROM EXISTING FIN TUBE TO NEW WALL. RETAIN EXISTING PIPING ENCLOSURE TO WALL. EXTEND NEW PIPING UP TO CEILING AND ACROSS TO EXISTING PIPING-RADIATION AT THE FLOOR LEVEL.
- ④ RUN 3/4-INCH CONDENSATE DRAIN FROM AC-1, AC-2 AND AC-3 AND SPILL TO SLOP SINK.
- ⑤ RUN 3/4-INCH CONDENSATE DRAIN FROM ERU-1 AND SPILL TO SLOP SINK.
- ⑥ RUN 2-INCH INSULATED LOW PRESSURE STEAM PIPE AND 3/4-INCH DRAIN FROM DUCT DISPERSION TUBE AND DUCT DRAIN. CONNECT STEAM TO HUMIDIFIER H-1. SPILL DRAIN TO SLOP SINK.
- ⑦ RELOCATE (ELEVATE) 2-INCH CWR AND 2-INCH CWS AS REQUIRED TO CLEAR NEW CEILING HEIGHT. VERIFY PIPE SIZES IN FIELD. PROVIDE NEW TAPS IN LOCATIONS SHOWN FOR NEW HEATPUMPS.
- ⑧ RELOCATE (ELEVATE) 2-INCH HWS AND HWR AS REQUIRED TO CLEAR NEW CEILING HEIGHT. VERIFY PIPE SIZES IN FIELD. PROVIDE NEW TAPS IN LOCATIONS SHOWN FOR NEW HOT WATER COILS.

**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name

**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number

12491.000

Description

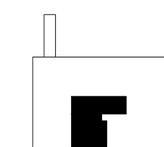
MECHANICAL LEVEL 01 NEW PIPING PLAN

Scale

AS NOTED

**M-202.00**

**KEY PLAN**



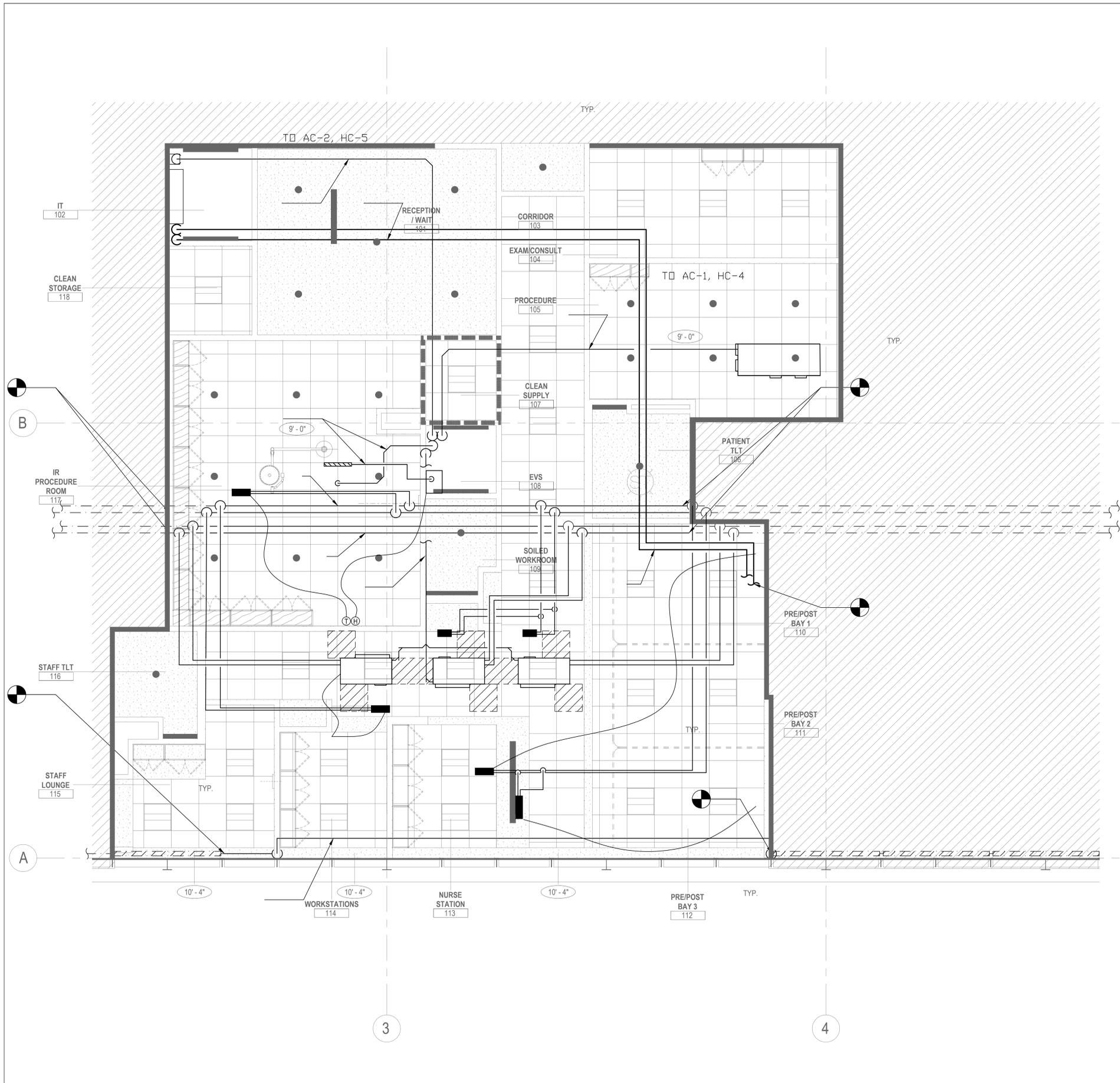
**1 LEVEL 01 MECHANICAL PLAN - ALTERNATE**

SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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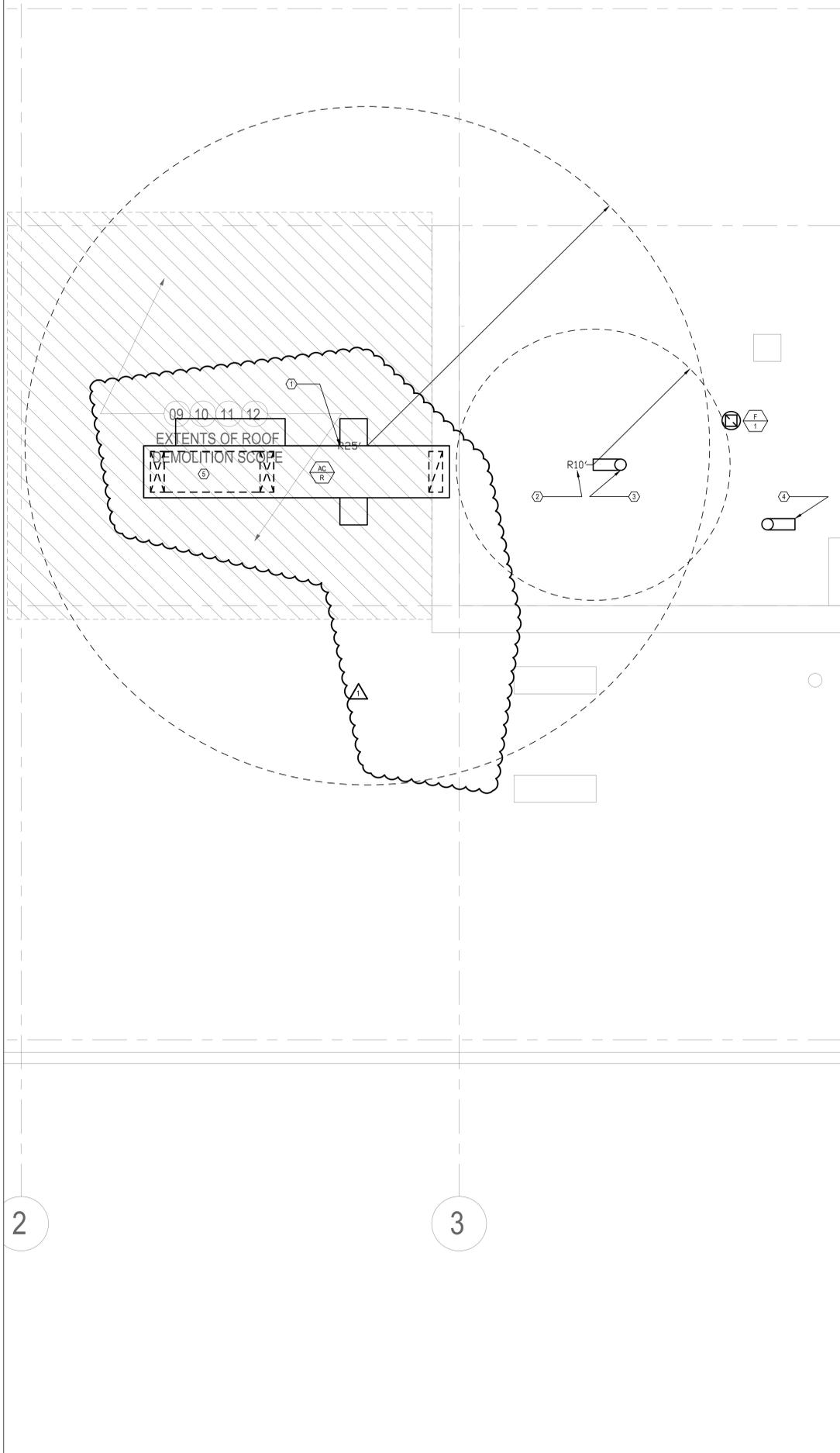
DOB NOW JOB#

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**DRAWING NOTES:**

- RUN NEW 3/4-INCH PUMPED CONDENSATE FROM RELOCATED CONDENSATE PUMP TO NEW SLOP SINK.
- RUN NEW REFRIGERANT PIPING FROM EXISTING UNIT LOCATION TO NEW LOCATION. CHARGE CIRCUIT WITH REFRIGERANT AND OIL AS PER MANUFACTURER'S REQUIREMENTS.
- EXTEND NEW 1-1/2-INCH PERIMETER HOT WATER RADIATION PIPING FROM EXISTING FIN TUBE TO NEW WALL. RETAIN EXISTING PIPING ENCLOSURE TO WALL. EXTEND NEW PIPING UP TO CEILING AND ACROSS TO EXISTING PIPING-RADIATION AT THE FLOOR LEVEL.
- RUN 3/4-INCH CONDENSATE DRAIN FROM AC-1, AC-2 AND AC-3 AND SPILL TO SLOP SINK.
- RUN 3/4-INCH CONDENSATE DRAIN FROM ERU-1 AND SPILL TO SLOP SINK.
- RUN 2-INCH INSULATED LOW PRESSURE STEAM PIPE AND 3/4-INCH DRAIN FROM DUCT DISPERSION TUBE AND DUCT DRAIN. CONNECT STEAM TO HUMIDIFIER H-1. SPILL DRAIN TO SLOP SINK
- RELOCATE (ELEVATE) 2-INCH CWR AND 2-INCH CWS AS REQUIRED TO CLEAR NEW CEILING HEIGHT. VERIFY PIPE SIZES IN FIELD. PROVIDE NEW TAPS IN LOCATIONS SHOWN FOR NEW HEATPUMPS.
- RELOCATE (ELEVATE) 2-INCH HWS AND HWR AS REQUIRED TO CLEAR NEW CEILING HEIGHT. VERIFY PIPE SIZES IN FIELD. PROVIDE NEW TAPS IN LOCATIONS SHOWN FOR NEW HOT WATER COILS



- DRAWING NOTES:**
- ① MINIMUM 25-FOOT CLEARANCE FROM OUTSIDE AIR INTAKE OF AC-R TO ANY EXHAUST AIR SOURCE.
  - ② MINIMUM OF 10-FOOT CLEARANCE BETWEEN OUTSIDE AIR INTAKE TO ERU-1 AND THE DISCHARGE FROM ERU-1
  - ③ OUTSIDE AIR INTAKE GOOSENECK WITH WMS IN FACE, 10-INCH DIAMETER TO ERU-1
  - ④ SPILL AIR DISCHARGE GOOSENECK WITH WMS IN FACE, 10-INCH DIAMETER FROM ERU-1
  - ⑤ RUN 36X12 SUPPLY DUCT UNDER UNIT AND ENTER BUILDING WITHIN THE PROJECT SPACE.

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**KEY NOTES**

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

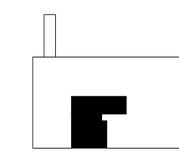
Project Number  
**12491.000**

Description  
**MECHANICAL ROOF PLAN**

Scale  
AS NOTED

**M-203.00**

**KEY PLAN**



① LEVEL 01 HVAC PIPING PLAN  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

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SC		SELF CONTAINED AIR CONDITIONING UNIT SCHEDULE (AIR COOLED)																				BASIS OF DESIGN: AIR WISE												
UNIT NO.	LOCATION	AREA SERVED	COMPRESSOR DATA			SUPPLY FAN DATA					EVAPORATOR COIL DATA					CONDENSER DATA					FILTER DATA			ELECTRICAL DATA				MODEL No.	MEA No.	REMARKS				
			NO. OF COMP.	HP (EA.)	TOTAL CFM	MIN. O.A. CFM	OUTLET VEL. (FPM)	TOTAL S.P. (N.W.G.)	MIN. EXT. S.P. (N.W.G.)	FAN RPM	MOTOR HP	ENT. DB (°F)	ENT. WB (°F)	LVG. DB (°F)	LVG. WB (°F)	MAX. FACE VEL. (FPM)	MIN. ROWS DEEP	OUT-DOOR DESIGN DB (°F)	No. OF FAN	MAX. COND. TEMP. (°F)	TOTAL CFM	FAN RPM	EXT. S.P. (N.W.G.)	MOTOR HP (EACH)	TYPE	IN. THICK	FACE VEL. (FPM)				VOLT/PH	FLA	MCA	MFS
AC-R	ROOF	IR - RECOV.	1	-	2200	400	1100	4.88	2.0	3105	5	80	67	50.0	49.6	406	6	95	-	120	-	-	-	-	MERV	2	400	208-3	70.1	70.1	80	-	-	SEE NOTES
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTES:
1. PROVIDE UNIT WITH ECM SUPPLY AND RETURN FAN MOTORS. RETURN FAN TO BE 1800 CFM, 1.0 ESP, 1.9 TSP, 1.5 HP, 1770 RPM
  2. UNITS TO HAVE BACKET COMPATIBLE DDC CONTROLS, MIXED AIR AND SUPPLY AIR THERMOSTATS DISCHARGE AIR SP SENSOR FOR THE SUPPLY AIR FAN CONTROL, AND AIR FLOW SWITCH.
  3. UNIT INLET AND DISCHARGE ARRANGEMENTS ARE TO BE COORDINATED AND CONFIRMED WITH APPROVED SHEETMETAL SHOP DRAWINGS.
  4. UNIT TO HAVE MERV8 PRE-FILTERS, MERV 14 POST FILTERS.
  5. UNIT IS TO HAVE 2-INCH INSULATION AND DOUBLE WALL CONSTRUCTION. UNIT IS TO BE MOUNTED ON A SINGLE SKID AND IS TO BE WEATHERPROOF FOR ROOF MOUNTING.
  6. UNIT IS TO HAVE SINGLE POINT ELECTRICAL CONNECTION AND A 120V OUTLET FOR SERVICING.

SC		SELF CONTAINED AIR CONDITIONING UNIT (WATER COOLED)																				BASIS OF DESIGN: WATER FURNACE											
UNIT NO.	LOCATION	AREA SERVED	COMPRESSOR DATA			SUPPLY FAN DATA					EVAPORATOR COIL DATA					CONDENSER DATA					FILTER DATA			ELECTRICAL DATA				MODEL No.	EER COOLING	REMARKS			
			NO. OF COMP.	HP (EA.)	TOTAL CFM	MIN. O.A. CFM	OUTLET VEL. (FPM)	TOTAL S.P. (N.W.G.)	MIN. EXT. S.P. (N.W.G.)	FAN RPM	MOTOR HP	ENT. DB (°F)	ENT. WB (°F)	LVG. DB (°F)	MBH SENS. (MBH)	MBH TOTAL (MBH)	MIN. ROWS DEEP	GPM	TEMP °F	MAX. P.D. (FT.)	FOULING FACTOR	TYPE	IN. THICK	FACE VEL. (FPM)	VOLT/PH	FLA	MCA				MOCP		
AC-1	CORR. CLG	RM 104 - 109	1	-	500	150	720	-	1.0	-	0.5	81	66	55.4	13.81	21.62	-	5.0	85	95.72	6.7	-	MERV8	2	180	208-1	17.5	20.9	30	VERSA-023	15.0	-	
AC-2	CORR. CLG	RM 101 - 103	1	-	800	100	1150	-	1.0	-	0.5	77	64	58.3	16.14	22.78	-	5.5	85	95.29	7.6	-	MERV8	2	288	208-1	17.5	20.9	30	VERSA-023	15.0	-	
AC-3	CORR. CLG.	RM 113 - 116	1	-	1200	100	1450	-	1.0	-	0.5	76.7	64	5.4	28.25	34.99	-	8.5	85	95.16	9.4	-	MERV8	2	675	208-1	21.3	20.9	40	VERSA-036	15.0	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTES:
1. PROVIDE UNIT WITH ECM SUPPLY FAN MOTOR.
  2. UNITS TO HAVE BACKET COMPATIBLE DDC CONTROLS, MIXED AIR AND SUPPLY AIR THERMOSTATS AND AIR FLOW SWITCH.
  3. UNIT INLET AND DISCHARGE ARRANGEMENTS ARE TO BE COORDINATED AND CONFIRMED WITH APPROVED SHEETMETAL SHOP DRAWINGS.

RHC/HC/HRC/PHC		HEATING COIL SCHEDULE (HOT WATER)												MFG: GREENHECK		
COIL NO.	EQUIPMENT OR SYSTEM SERVED	AIR DATA			FLUID DATA			COIL DATA			ARRANGEMENT		REMARKS			
		CFM	FACE VELOC. (FPM)	D.B. TEMP. (°F)	P.D. (N.W.G.)	FLUID TYPE	GPM	TEMP. (°F)	P.D. (FT.)	MIN. ROWS DEEP	NOMINAL SIZE (IN.) F.W. X F.L.	TOTAL NO. OF COILS		NO. OF COILS HI X WIDE		
HC-1	AC-R, IR RM	1060	763	55	79.7	0.10	WTR	2.9	180	160	6.8	1	12.5 X 16	1	1	-
HC-2	AC-R, REC. #3	780	624	55	94.3	0.12	WTR	3.4	180	160	8.4	1	10 X 18	1	1	-
HC-3	AC-R, REC. #1,2	360	648	55	88.6	0.15	WTR	1.3	180	160	0.3	1	5 X 16	1	1	-
HC-4	AC-1	500	600	55	90.6	0.10	WTR	2.0	180	160	3.0	1	10 X 12	1	1	-
HC-5	AC-2	800	658	55	84.6	0.14	WTR	2.6	180	160	0.2	1	12.5 X 14	1	1	-
HC-6	AC-3	1200	864	55	88.4	0.21	WTR	4.4	180	160	4.4	2	12.5 X 16	1	1	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- ERV-1 SCHEDULE:
1. UNIT TO BE AN ALPHA-AB MODEL WITH DDC CONTROL.
  2. UNIT TO BE GE 208 V-1 PH, 9.3 MCA, 15 MOCP, WITH 1 COMPRESSOR, 1 SUPPLY FAN AND 1 RETURN FAN.
  3. UNIT IS TO BE 15 MBH (5), 28.4 MBH (1) WITH AN ISMER OF 11.1.
  4. UNIT IS TO BE 15 MBH (5), 28.4 MBH (1) WITH AN ISMER OF 11.1.
  5. UNIT IS TO HAVE 2-INCH MERV 13 FILTERS ON THE OUTSIDE AIR, MERV 8 FILTERS ON THE RETURN AIR.
  6. UNIT IS TO HAVE SINGLE POINT ELECTRICAL CONNECTION, NON-FUSED DISCONNECT AND SHALL HAVE DDC CONTROLS WITH BACKET CAPABILITY.
  7. UNIT SHALL HAVE SEALED INTERNAL INSULATION.

SH		STEAM HUMIDIFIER SCHEDULE										BASIS OF DESIGN: NEPTRONIC	
UNIT NO.	LOCATION	AREA OR SYSTEM SERVED	AIR DATA		STEAM DATA		DUCT SIZE W x H (IN.)	NO. OF MANIF.	MODEL No.	REMARKS			
			TOTAL CFM	MOISTURE CONTENT LB DRY AIR ENT. LVG.	TOTAL LBS/HR	INLET PRESS. (PSIG)							
H-1	JAN. CL.	IR, RECOV.	2200	26	38	17	5	24X12	11	SKE4-NO6M	SEE NOTES		
-	-	-	-	-	-	-	-	-	-	-	-		

- NOTES:
1. PROVIDE UNIT WITH STEAM GENERATING MODULATING HUMIDIFIER - 208V, 3PH, 16.5 FLA.
  2. UNIT TO HAVE BACKET COMPATIBLE DDC CONTROLS, DUCT MOUNTED HIGH AND LOW LIMIT HUMIDISTAT, ROOM MOUNTED HUMIDISTAT, AND AIR FLOW SWITCH.
  3. PROVIDE UNIT WITH LO-HOSE 1-3/8 NF, SCH80, NF SH80, AND SW APS ACCESSORIES.
  4. PROVIDE UNIT WITH MF SAM-AEZ STEAM DISPERSION MANIFOLD.
  5. UNIT TO BE INTERLOCKED WITH ROOFTOP AIR CONDITIONING UNIT AC-R.

SF - SUPPLY FAN		FAN SCHEDULE										BASIS OF DESIGN: GREENHECK	
UNIT NO.	LOCATION	AREA OR SYSTEM SERVED	FAN TYPE	CFM	TSP	FAN RPM	DRIVE	MOTOR DATA			WEIGHT (LBS)	MODEL No.	REMARKS
								BHP	HP	V/PH			
F-1	ROOF	MED-GAS / CLEAN STORAGE	MUSHROOM	100	0.375	999	BELT	0.04	0.167	120-1	100	GB-097	SEE NOTE

- NOTES: PROVIDE UNIT WITH SPARK-PROOF CONSTRUCTION, EXPLOSION PROOF MOTOR, ROOF CURB, MANUAL MOTOR STARTER WITH OVERLOADS, INTERLOCK FAN WITH MOTORIZED DAMPERS. FAN TO RUN CONTINUOUSLY.

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB-NOW JOB#

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KEY NOTES

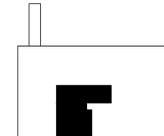
Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
INTERVENTIONAL RADIOLOGY - TARRYTOWN  
Project Number  
12491.000

KEY PLAN

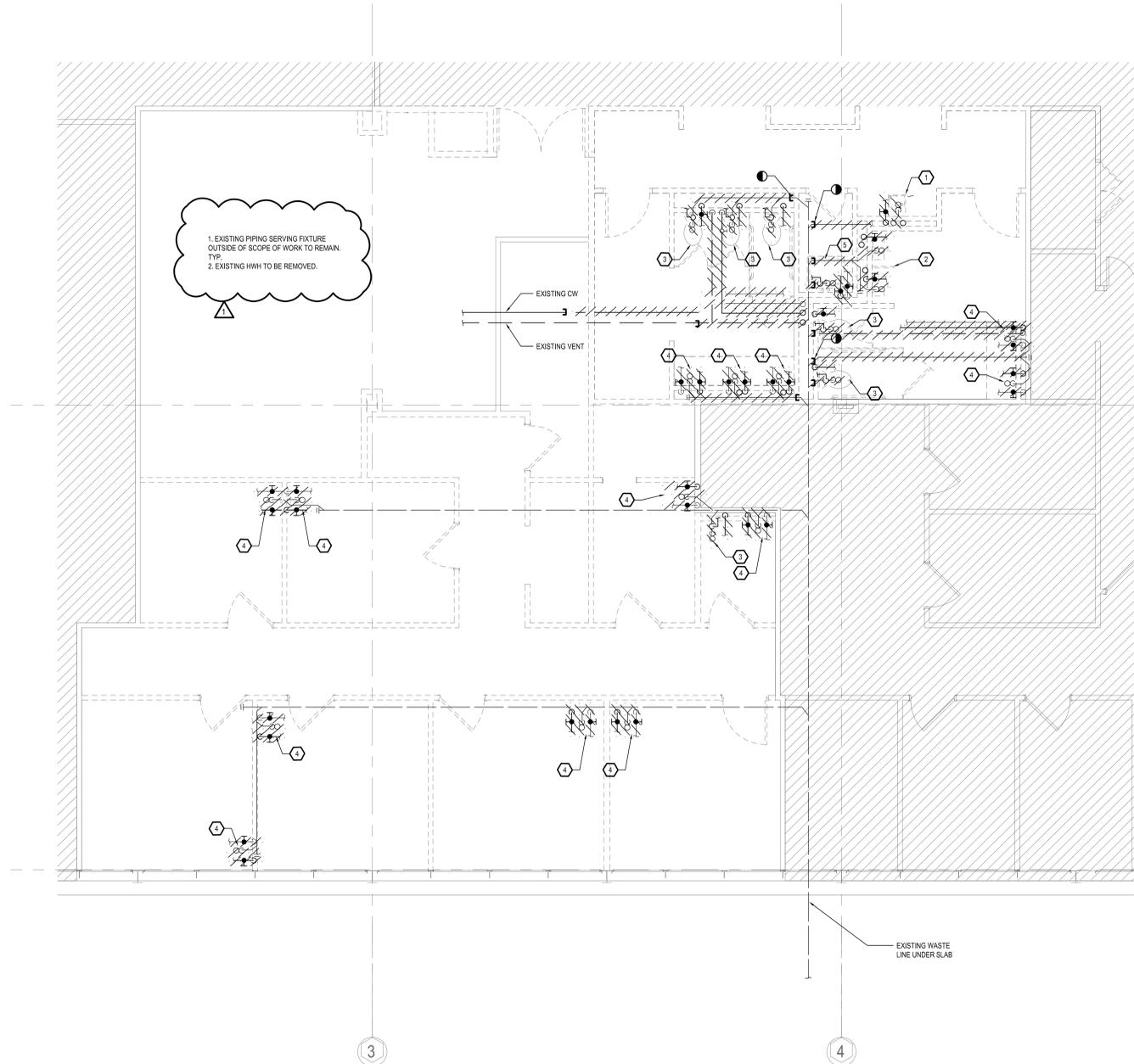
Description  
MECHANICAL SCHEDULES



Scale  
AS NOTED

M-300.00





**NOTES:**

1. ALL WORK ON THIS PLAN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

**KEY NOTES**

1	EXISTING DRINKING FOUNTAIN, CW & V PIPING TO BE REMOVED IN COORDINATION WITH NEW WORK. EX W TO BE REMOVED TO SLAB.
2	EXISTING URINALS, CW, W & V PIPING TO BE REMOVED. EX W TO BE REMOVED TO SLAB.
3	EXISTING WC, 4" W, V & CW TO BE REMOVED AND CAPPED BACK TO MAIN PIPE. EX W TO BE REMOVED TO SLAB.
4	EXISTING LAV/SK, CW, HW, HWR & V PIPING TO BE REMOVED WITH ALL ASSOCIATED VALVES. EX W TO BE REMOVED TO SLAB.
5	EXISTING MOP SINK, CW, HW, HWR & V PIPING TO BE REMOVED WITH ALL ASSOCIATED VALVES. EX W TO BE REMOVED TO SLAB.

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**KEY NOTES**

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10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**12491.000**

Description  
**PLUMBING LEVEL 01 REMOVAL PLAN**

Scale  
AS NOTED

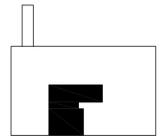
**P-101.00**

**1 LEVEL 01 DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

**KEY PLAN**



**GENERAL NOTES**

- NOTES:
1. ALL WORK ON THIS PLAN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
  2. FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS SEE DRAWING P-001.
  3. ALL RISERS TO REMAIN UNLESS OTHERWISE NOTED.
  4. EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING SHALL BE VERIFIED IN THE JOB.
  5. IN NO CASE ON WASTE DRAIN AND VENT PIPING SHALL DEAD ENDS REMAIN. MAXIMUM DEAD ENDS SHALL BE 2'-0".
  6. THIS CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING BUILDING NOR INTERFERE IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF THE OWNER. SUCH INTERRUPTIONS AND INTERFERENCES SHALL BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE TIME SUITED BY THE OWNER.
  7. TO INSURE CONTINUOUS OPERATION, MAKE ALL NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK.
  8. THE CONTRACTOR SHALL EXERCISE CAUTION IN PERFORMING DEMOLITION WORK, SO AS NOT TO DAMAGE THE SURROUNDING AREAS.

**KEY NOTES**

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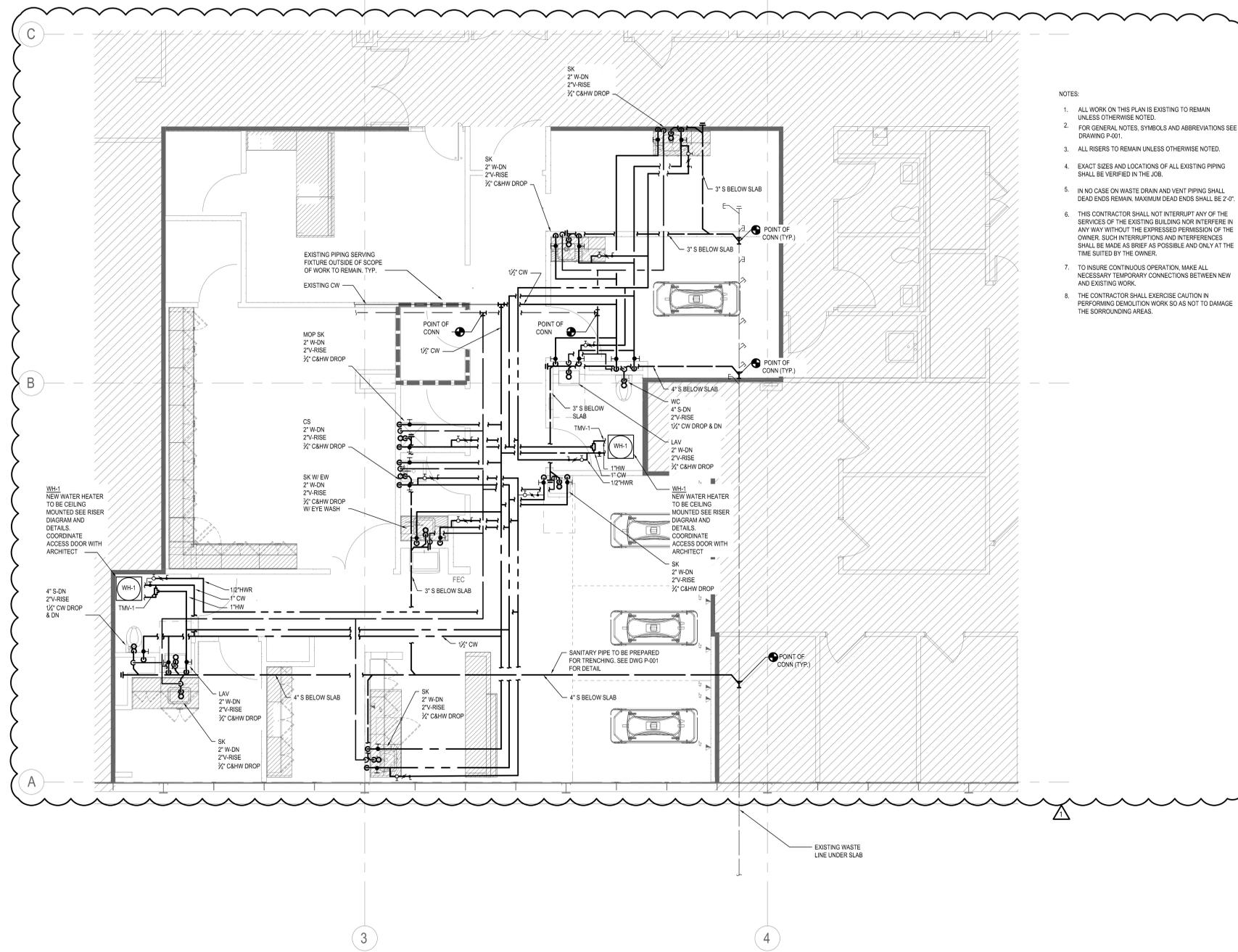
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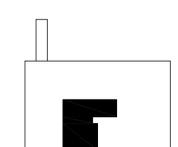


**1 LEVEL 01 PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"  
0 4 8 FEET

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

**KEY PLAN**



Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name	INTERVENTIONAL RADIOLOGY - TARRYTOWN
Project Number	12491.000
Description	PLUMBING LEVEL 01 PLAN

Scale  
AS NOTED

**P-201.00**

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### SPRINKLER REMOVAL NOTES

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT.
- VERIFY ALL GOVERNING DIMENSIONS, PIPE SIZES AND LOCATION OF THE PIPING AND EQUIPMENT TO BE REMOVED.
- NOTIFY BUILDING MANAGER AT LEAST 48 HOURS BEFORE DEMOLITION WORK OR BEFORE SHUT DOWN OF EXISTING SERVICES. RISER SHUT DOWNS SHALL BE PERFORMED AT TENANT'S COST, AT DESIGNATED TIMES UNDER BUILDING MANAGER'S SUPERVISION AND ONLY WITH APPROVAL.
- THE CONTRACTOR'S WORK ACTIVITIES SHALL NOT INTERFERE WITH THE BUILDING SERVICES IN ANY WAY WITHOUT THE EXPRESS PERMISSION IN WRITING BY THE BUILDING MANAGER. SUCH INTERRUPTIONS AND INTERFERENCES SHALL BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE TIME STATED BY THE BUILDING MANAGER.
- ALL EQUIPMENT, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, RELOCATED, TURNED OVER TO THE TENANT OR SALVAGED AS DIRECTED BY THE BUILDING OWNER.
- UPON COMPLETION OF ALL NEW WORK NO ABANDONED PIPING SHALL REMAIN.
- THE EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.
- LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. FIELD VERIFY EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING AT THE SITE.
- NO REMOVED EXISTING PIPING FITTINGS, VALVES, ETC. SHALL BE REUSED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING HEIGHTS.
- CONTRACTOR & ITS SUB'S SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SPRINKLERS AND RELATED PIPING AS WELL AS REMOVING SPRINKLERS AS REQUIRED TO MEET NEW PROPOSED SPRINKLER HEAD LAYOUT.
- THE CONTRACTOR SHALL INCLUDE IN THE PRICE THE COST FOR DRAINING AND FILLING THE EXISTING SPRINKLER SYSTEM IN ORDER TO FACILITATE THE SPRINKLER SCOPE OF WORK. NOTIFY ALL MONITORING SERVICES OF SHUT-DOWNS AT LEAST 48 HOURS BEFORE ANY SHUT-DOWNS.

### SPRINKLER NOTES

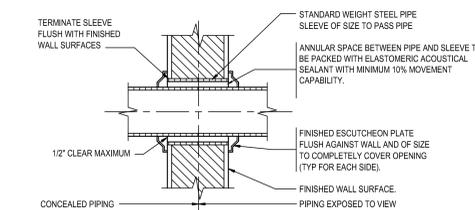
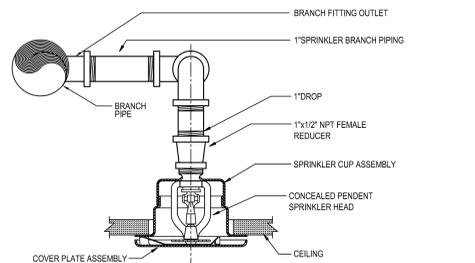
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND SHALL REPORT TO ENGINEER ANY DISCREPANCIES OR OMISSIONS THAT WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING A FULL SET OF BID DOCUMENTS AND VISIT THE SITE TO MAKE THEMSELVES AWARE OF THE TOTAL JOB BEFORE SUBMITTING THE PRICE. FAILURE TO COMPLY SHALL NOT HOLD THE OWNER RESPONSIBLE FOR ANY ADDITIONAL COST.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING WITH FACILITY'S BUILDING MANAGEMENT FOR HANDLING MATERIALS, AS WELL AS FOR ALLOWABLE WORKING HOURS AND DELIVERIES.
- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND MANUFACTURERS' CUTS AND SAMPLES TO ARCHITECT PRIOR TO COMMENCEMENT OF SUCH WORK.
- THE CONTRACTOR SHALL INDICATE ON THE SHOP DRAWING THAT ALL PIPING LAYOUTS ARE COORDINATED WITH THE M.E.P. AND STRUCTURAL CONDITIONS. INCLUDE ON EACH WORKING DRAWING LAYOUT CERTIFICATE, THAT ALL RELATED CONDITIONS HAVE BEEN CHECKED, AND THAT NO CONFLICT EXISTS. SUBMISSION WILL NOT BE APPROVED WITHOUT SUCH CERTIFICATION.
- CONTRACTOR SHALL SUBMIT SPRINKLER HYDRAULIC CALCULATIONS FOR THE ENGINEER'S REVIEW TO VERIFY THE ADEQUACY OF THE INDICATED PIPE SIZES. SHOP DRAWINGS MUST INDICATE ALL HYDRAULIC CALCULATION NODE AND PIPE TAGS.
  - SPRINKLER PIPING SHALL BE INSTALLED AS PER APPROVED SHOP DRAWINGS.
  - CONTRACTOR SHALL BASE ALL HYDRAULIC CALCULATIONS ON THE AVAILABLE PRESSURE AND WATER FLOW DATA AT EXISTING FLOOR CONTROL ASSEMBLY.
  - PROVIDE HYDRAULICALLY DESIGNED SPRINKLER SYSTEM FOR ALL PIPING NOT SIZED.
- DRAWINGS ARE NOT TO BE SCALED.
- CONTRACTOR SHALL COMPLY WITH ALL NEW YORK CITY BUILDING DEPARTMENT AND REGULATORY AGENCIES AND CODE REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS OF ALL TRADES.
- CONTRACTOR SHALL EXERCISE EXTREME CARE IN PROTECTING AREAS ADJACENT TO CONSTRUCTION AREAS SHALL FULLY PROTECT THEM FROM ANY DAMAGE RESULTING FROM CONTRACTOR'S WORKMEN, SUBCONTRACTORS OR AGENTS, AND SHALL BE RESPONSIBLE FOR REPAIRING, CLEANING OR REPLACING ANY SUCH DAMAGE.
- ALL DIMENSIONS GIVEN ARE FINISH DIMENSIONS UNLESS OTHERWISE STATED.
- UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, APPURTENANCES, EQUIPMENT AND SERVICES TO COMPLETE ALL WORK AS INDICATED ON DRAWINGS AND/OR SPECIFIED ON NOTES.
- UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FOLLOW MANUFACTURER'S DIRECTIONS, INSTRUCTIONS AND RECOMMENDATIONS FOR ALL MATERIALS AND PROCESSES USED IN THIS CONTRACT.
- RELOCATE ALL EXISTING SPRINKLER MAIN AND BRANCH PIPING IN THE AREA OF WORK THAT IS IN CONFLICT WITH THE LIGHTING FIXTURES AND HVAC DUCTWORK.
- PROVIDE SPRINKLER HEADS UNDER DUCTS OVER 4'-0" IN WIDTH IN AREAS WITHOUT HUNG CEILING.
- THE CONTRACTOR SHALL ALLOW FOR FOUR (4) ADDITIONAL SPRINKLERS NOT INDICATED ON PLANS TO ACCOMMODATE FIELD CONDITIONS. ALLOW FOR SPRINKLERS BELOW AND ABOVE THE DUCTS IN MECHANICAL ROOMS IN ACCORDANCE WITH 2007 NFPA 13.
- SPRINKLERS IN MECHANICAL ROOMS SHALL HAVE AN INTERMEDIATE TEMPERATURE RATING UNLESS OTHERWISE NOTED.
- ALL UPRIGHT SPRINKLER HEADS SHALL HAVE HEAD GUARDS.
- LOCATE ALL HORIZONTAL PIPING ABOVE SUSPENDED CEILING, UNLESS THERE IS NO CEILING.
- ACCESS DOORS SHALL BE PROVIDED ADJACENT TO ALL VALVES.
- EACH CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL PENETRATIONS, CUTTING, PATCHING, SLEEVES, AND FIRE-STOPPING REQUIRED TO COMPLETE THE INSTALLATION OF ALL WORK INCLUDED UNDER THEIR CONTRACT IN ACCORDANCE WITH THE FIRE EGRESS AND SECURITY PLAN DRAWINGS AND IN ACCORDANCE WITH DIVISION 16.
- UPON COMPLETION OF THE WORK, CONTRACTOR SHALL COMPLETELY CLEAN THE CONSTRUCTION AREA SUITABLE FOR THE OWNER'S USE, INCLUDING REMOVAL OF ALL LABELS (AFTER ARCHITECT'S INSPECTION), CLEANING OF ALL THE EQUIPMENT, CONSTRUCTION WORK, WINDOWS AND OTHER WORK, NEW AND OLD, IN THAT CONSTRUCTION AREA.
- BUILDING DEPARTMENT APPROVED PLANS SHALL BE TURNED OVER TO OWNER AT THE COMPLETION OF THE JOB.
- AT THE FINAL COMPLETION OF THE JOB, CONTRACTOR SHALL SUBMIT TO THE FACILITY AND TO ENGINEER A NOTARIZED AFFIDAVIT STATING COMPLIANCE WITH ALL PROVISIONS OF THIS CONTRACT, INCLUDING ALL NOTES, EXCEPT FOR THOSE CHANGES SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT.
- CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT FOR ONE YEAR, STARTING FROM DATE OF FINAL ACCEPTANCE OF ALL WORK.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS AND PIPING REQUIRED TO MODIFY EXISTING SPRINKLER PIPING DESIGNATED AS EXISTING TO REMAIN IF IN CONFLICT WITH NEW MEP EQUIPMENT OR NEW ARCHITECTURAL FEATURES.
- THE MINIMUM SPRINKLER BRANCH PIPE SIZE SHALL BE 1".

SPRINKLER SCHEDULE						
SYMBOL	TYPE	LOCATION	TEMPERATURE RATING	K-FACTOR	MANUFACTURER	MODEL/ID No.
			ORDINARY			
●	CONCEALED PENDENT	HUNG CEILINGS	165°F	5.6	RELIABLE	G5-56/RA3415
○	UPRIGHT	NO CEILINGS	155°F	5.6	RELIABLE	F1FR56/RA1425
	PENDENT	NO CEILINGS	155°F	5.6	RELIABLE	F1FR56/RA1414
⊗	EXISTING SPRINKLER TO BE REMOVED					
● E O E	EXISTING SPRINKLER TO REMAIN					
NOTES: 1. QUICK RESPONSE SPRINKLERS USED THROUGHOUT. 2. PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS FOR MECHANICAL SPACES.						

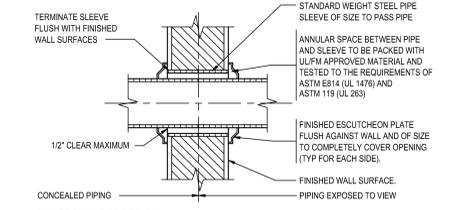
CLASSIFICATION OF HAZARD OCCUPANCIES				
CLASSIFICATION	MAXIMUM COVERAGE PER SPRINKLER	HYDRAULIC AREA	DENSITY	ROOMS
LIGHT	225 SQ. FT.	1,500 SQ. FT. (SEE NOTE 2)	0.1 GPM/SQ. FT.	CATH LAB
NOTES: 1. SEE ROOM NAMES ON PLAN FOR APPLICABLE ROOM DESIGNATIONS. 2. AREA REDUCTION PER 2007 NFPA 13 SECTION 11.2.3.2.3; 1,500 SQ.FT MINUS PERCENTAGE ALLOWED BASED ON CEILING HEIGHTS. REFER TO FLOOR PLANS ACTUAL AREA CALCULATED.				

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF THE PIPE
CH	CEILING HEIGHT
DN	DOWN
DR	DRAIN
DWG	DRAWING
EL	ELEVATION
F	FIRE SERVICE
FDC	FIRE DEPARTMENT CONNECTION
FHR	FIRE HOSE RACK
FP	FIRE PROTECTION
FSP	FIRE STAND PIPE
NTS	NOT TO SCALE
PA	PRE-ACTION
QTY	QUANTITY
SPR	SPRINKLER
SQ.FT.	SQUARE FOOT (FEET)
TEMP	TEMPERATURE
TS	TAMPER SWITCH
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY

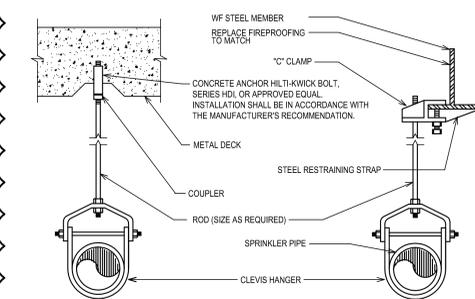
DRAWING LIST	
SP-001	SPRINKLER SCHEDULE, SYMBOLS, ABBREVIATIONS, NOTES AND DETAILS
SP101	SPRINKLER LEVEL 01 REMOVAL PLAN
SP-201	SPRINKLER LEVEL 01 PLAN



#### DETAIL OF PIPE PENETRATING THRU NON FIRE RATED WALL



#### DETAIL OF PIPE PENETRATING THRU FIRE RATED WALL AND FLOOR



- NOTES:
- CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN 1"
  - GENERAL PURPOSE HANGERS MAY BE USED ON 1" SPRINKLER PIPING ONLY.

#### TYPICAL HANGER

NOT TO SCALE

### SYMBOLS

	EXISTING SPRINKLER PIPING TO REMAIN
	EXISTING SPRINKLER DRAIN PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	SPRINKLER SYSTEM PIPING
	FIRE STANDPIPE SYSTEM PIPING
	PRE-ACTION SYSTEM PIPING
	DIRECTION ARROW
	PIPE-UP UNLESS OTHERWISE NOTED
	PIPE DROP UNLESS OTHERWISE NOTED
	TOP CONNECTION
	BOTTOM CONNECTION
	CAPPED OUTLET
	DROP OR RISE
	NEW CONNECTION
	PRE-ACTION VALVE
	MANUAL PULL STATION
	SUPERVISORY HORN (TAMPER SWITCH & LOW AIR ALARM)
	MULTITONE HORN/STROBE (COMMON TROUBLE)
	MULTITONE HORN/STROBE (WATER FLOW, SMOKE DETECTOR, MANUAL STATION & ALARM)
	SMOKE DETECTOR
	FIRE HOSE RACK (RISER DIAGRAM/ELEVATION)
	EXISTING FIRE HOSE RACK (RISER DIAGRAM/ELEVATION)
	EXISTING FIRE HOSE RACK (RISER DIAGRAM/ELEVATION)
	EXISTING FIRE HOSE RACK (PLAN)
	EXISTING FLOOR CONTROL ASSEMBLY
	EXISTING FLOOR CONTROL ASSEMBLY
	EXISTING FLOOR CONTROL ASSEMBLY
	EXISTING WATER FLOW DETECTOR
	EXISTING SHUT-OFF VALVE
	EXISTING NORMALLY CLOSED DRAIN VALVE
	EXISTING CHECK VALVE
	EXISTING O.S.&Y. VALVE
	EXISTING O.S.&Y. VALVE WITH TAMPER SWITCH
	EXISTING PRESSURE REDUCING VALVE (PRV)
	EXISTING PRE-ACTION VALVE
	EXISTING 3 WAY ROOF MANIFOLD
	EXISTING 3 WAY ROOF MANIFOLD
	EXISTING 3 WAY ROOF MANIFOLD
	EXISTING SIAMESE CONNECTION
	EXISTING SIAMESE CONNECTION
	EXISTING PRESSURE GAUGE (PG)
	EXISTING UNION
	EXISTING WATER-PROOF PIPE SLEEVE
	EXISTING PUMP
	POINT OF DISCONNECTION FROM EXISTING
	POINT OF NEW CONNECTION TO EXISTING
	SHEET KEYNOTE DESIGNATION
	HYDRAULIC CALCULATION NODE DESIGNATION

#### NOTES:

- SYMBOLS AND ABBREVIATIONS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF WORK.

### GENERAL NOTES

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### KEY NOTES

Date	Description
10.04.21	ISSUE FOR BID
10.12.21	ADDENDUM #1

Seal / Signature

Project Name

INTERVENTIONAL RADIOLOGY - TARRYTOWN

Project Number

12491.000

Description

SPRINKLER SCHEDULE, SYMBOLS, ABBREVIATIONS, NOTES AND DETAILS

Scale

AS NOTED

SP-001.00

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THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#





**ADDENDUM #1 - 10/12/2021 - NOT FOR CONSTRUCTION**

**ABBREVIATIONS USED ON STRUCTURAL DRAWINGS**

A.F.F. ADD'L L ARCH.	ABOVE FINISHED FLOOR ADDITIONAL ANGLE ARCHITECTURAL / ARCHITECT
BET. BSMT. BEAR BRG. B.S. B or BOT. B.B. B.O.D. BLDG.	BETWEEN BASEMENT BEARING BOTH SIDES BOTTOM BOTTOMMOST BOTTOM BOTTOM OF DECK BUILDING
CANT. C.I.P. CFS CL CL. COL. CONC. CMU CONN. CONST. CONT. C.J. C.Y.	CANTILEVER CAST-IN-PLACE COLD-FORMED STEEL CENTER LINE CLEAR COLUMN CONCRETE CONCRETE MASONRY UNIT CONNECTION CONSTRUCTION CONTINUOUS CONTROL JOINT CUBIC YARD
D. or DP. DET. DIM. DIR. do or (*) DBL. DN. DWG.	DEEP / DEPTH DETAIL DIAMETER DIMENSION DIRECTION DITTO DOUBLE DOWN DRAWING or DRAWINGS
EA. E.E. E.F. E.W. E.O.D. E.O.S. EL. EMBED. EQ. (E) E.I.	EACH EACH END EACH FACE EACH WAY EDGE OF DECK EDGE OF SLAB ELEVATION EMBEDMENT EQUAL EXISTING EXPANSION JOINT
F.S. FT. FIN. FL. FTG. FL. Rk	FAR SIDE FEET FINISH or FINISHED FLOOR FOOTING FULL LENGTH FOOT-KIPS
GALV. GA.	GALVANIZED GAUGE or GAUGE
HGR. HT. H.P. HOOK H or HOR.	HANGER HEIGHT HIGH POINT HOOK HORIZONTAL
IN. I.D. INT. INV.	INCHES INSIDE DIAMETER INTERIOR INVERT
JT.	JOINT
k	KIPS
L.W. L.F. L.G. LLH LLV LSH L.W. L.P. LVL LSL	LIGHT WEIGHT LINEAR FOOT LONG LONG LEG HORIZONTAL LONG LEG VERTICAL LONG SIDE HORIZONTAL LONG WAY LOW POINT LAMINATED VENEER LUMBER LAMINATED STRAND LUMBER
M.O. MECH. M.E.P. AND PLUMBING MINIMUM	MASONRY OPENING MECHANICAL MECHANICAL, ELECTRICAL AND PLUMBING MINIMUM
N.S. N.T.S. NO. # N.W.	NEAR SIDE NOT TO SCALE NUMBER NORMAL WEIGHT
O.C. OPNG. O.D. O.F. O.F.B.	ON CENTER OPENING OUTSIDE DIAMETER OUTSIDE FACE OUTSIDE FACE OF BRICK
PERP. PC. P.L. P.T. P.L.F. PSI PSF PSL	PERPENDICULAR PRECAST PLATE POST-TENSIONED POUNDS PER LINEAR FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE FOOT PARALLEL STRAND LUMBER
REINF. REM. REINDE. REQ'D. R.D.	REINFORCING or REINFORCE REMAINDER REQUIRED ROOF DRAIN
SCHED. SECT. S.W. SIM. S.O.G. SLO. SP. SQ. STD. STL STIFF. STIFFER. S.S.O.G. SYM. TEMP. T T&B T.L.S. TOP OF BEAM T.O.C. T.O.S. T.O.W. TT TRANS. TYP.	SCHEDULE SECTION SHORT WAY SIMILAR SLAB ON GRADE SLOPED SPACES SQUARE STANDARD STEEL STIFFENER STRUCTURAL STRUCTURAL SLAB ON GRADE SYMMETRICAL TEMPORARY/TEMPERATURE TOP TOP & BOTTOM TENSION LAP SPLICE TOP OF BEAM TOP OF CONCRETE TOP OF STEEL TOP OF WALL TOPMOST TOP TRANSVERSE TYPICAL
U.N.O. V.I.F. V or VERT.	UNLESS NOTED OTHERWISE VERIFY IN FIELD VERTICAL
W.W.F. W.W.R. W/ W.P.	WELDED WIRE FABRIC WELDED WIRE REINFORCEMENT WITH WORK POINT

**A. GENERAL:**

1. THE STRUCTURAL DRAWINGS FOR THIS PROJECT ARE NOT ISSUED FOR BID UNLESS THE INDIVIDUAL SHEETS ARE IDENTIFIED AS "ISSUED FOR BID".
2. THE STRUCTURAL DRAWINGS FOR THIS PROJECT ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE INDIVIDUAL SHEETS ARE IDENTIFIED AS "ISSUED FOR CONSTRUCTION".
3. U.L. FIRE RESISTANCE RATING RESTRAINT CLASSIFICATION:
  - a. ALL STRUCTURAL FRAMING IS "RESTRAINED" EXCEPT AS INDICATED IN NOTE "D".
  - b. THE FOLLOWING FRAMING IS "UNRESTRAINED":
    1. STEEL JOISTS IN END BAYS ON ROOFS SUPPORTING ROOF DECK

**B. CODES AND STANDARDS:**

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT. USE THE VERSION REFERENCED IN THE BUILDING CODE UNLESS NOTED OTHERWISE.
  - a. BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE
  - b. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", ASCE 7-10, AMERICAN SOCIETY OF CIVIL ENGINEERS.
  - c. "STEEL CONSTRUCTION MANUAL", AMERICAN INSTITUTE OF STEEL CONSTRUCTION, FIFTEENTH EDITION, 2017, INCLUDING ALL SPECIFICATIONS AND CODES IN PART 16.
  - d. "DETAILING FOR STEEL CONSTRUCTION", AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
  - e. "STRUCTURAL WELDING CODE - STEEL", AWS D1.1 "STRUCTURAL WELDING CODE - REINFORCING STEEL", AWS D1.4 "STRUCTURAL WELDING CODE - STAINLESS STEEL", AWS D1.6 "STRUCTURAL WELDING CODE - SHEET STEEL", AWS D1.3
  - f. "STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS", AISI S200, AMERICAN IRON AND STEEL INSTITUTE.

**C. DESIGN LOADS:**

1. THE FOLLOWING DESIGN LOADS AND INFORMATION ARE AS REQUIRED BY THE EQUIPMENT VENDORS:  
REFER TO EQUIPMENT VENDOR DRAWINGS

**D. MATERIALS:**

1. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.
2. STRUCTURAL STEEL:

W SHAPES & CHANNELS	ASTM A992 Fy = 50 KSI
ANGLES, PLATES & BARS	ASTM A36 (Fy = 36 KSI) U.N.O. ASTM A 572, GR 50 WHERE INDICATED
SQUARE & RECTANGULAR HSS's	ASTM A500, GRADE "C" Fy = 50 KSI
HIGH STRENGTH BOLTS	ASTM F3125 GRADES A325 & F1852 TYP. UNO; ASTM F3125 GRADES A490 & F2280 WHERE INDICATED OR REQUIRED FOR STRENGTH.  GRADE A325 & F1852 BOLTS MAY BE USED INTERCHANGEABLY.  GRADE A490 & F2280 BOLTS MAY BE USED INTERCHANGEABLY.
WELDING ELECTRODES	AWS A5.1 OR A5.5, E70XX
COLD FORMED STEEL FRAMING MEMBERS:	ASTM A446 GALVANIZED

**E. CONSTRUCTION:**

1. GENERAL:
  - a. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW THE STRUCTURAL CONTRACT DOCUMENTS AND SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS BETWEEN THOSE DOCUMENTS AND ANY SAFETY REGULATIONS. SUCH REVIEW AND NOTIFICATION SHALL OCCUR PRIOR TO PRODUCTION OF SHOP DRAWINGS.
  - b. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE CONSTRUCTION LOADS, FOR PROTECTING THE COMPLETED STRUCTURAL FRAMING FROM DAMAGE DUE TO TEMPORARY CONSTRUCTION LOADINGS, FOR DETERMINING SEQUENCES OF CONSTRUCTION, AND FOR DETERMINATION, DESIGN AND INSTALLATION OF ALL FALSEWORK, FORMWORK, STAGING, TEMPORARY BRACING, SHEETING AND SHORING NECESSARY FOR CONSTRUCTION.
  - c. REPRODUCTION OF THE STRUCTURAL DRAWINGS FOR USE IN PREPARATION OF SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS SO PRODUCED WILL BE REJECTED.
  - d. ALL SUBMITTALS, INCLUDING SHOP DRAWINGS SHALL BE SUBMITTED ELECTRONICALLY IN PDF FORMAT.
  - e. SUBMIT SHOP DRAWINGS 15 BUSINESS DAYS (MINIMUM) PRIOR TO DATE THAT RETURNED SHOP DRAWINGS ARE REQUIRED. SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S STAMP OF APPROVAL WHICH SHALL CONSTITUTE CERTIFICATION THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS AND SIMILAR DATA AND HAS CHECKED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.
  - f. COSTS OF INVESTIGATION AND/OR REDESIGN DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
  - g. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, AND CONCRETE HOUSEKEEPING PADS.
  - h. SEE ARCHITECTURAL DWGS. AND SPECIFICATIONS FOR FINISHES AND FIREPROOFING.

1. TOPS OF ALL MASONRY PARTITION WALLS SHALL BE CONNECTED TO THE UNDERSIDE OF THE STRUCTURAL FRAMING PER THE DETAILS PROVIDE ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL SUCH WALLS.

1. PROVIDE SLIP CONNECTIONS BETWEEN UNDERSIDE OF FLOOR FRAMING AND TOPS OF ALL PARTITION WALLS THAT CONNECT TO THE UNDERSIDE OF THE STRUCTURAL FRAMING. SLIP CONNECTIONS SHALL PERMIT VERTICAL DIFFERENTIAL DEFLECTION TO OCCUR BETWEEN THE PARTITION WALLS AND STRUCTURAL FRAMING WHILE BRACING THE TOP OF THE WALLS FOR THE CODE SPECIFIED LATERAL LOAD. MAGNITUDE OF ANTICIPATED DIFFERENTIAL DEFLECTION = L/240 (WHERE L= SPAN OF FLOOR FRAMING MEMBER ABOVE.)

- k. CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THE FOLLOWING ITEMS INCLUDING DESIGN OF THE CONNECTIONS AND EMBEDDED STEEL CONNECTION ELEMENTS (EMBEDS) OF EACH TO THE SUPPORTING STRUCTURAL FRAMING:
  - NON-BEARING METAL STUD PARTITION WALLS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS FOR EACH ITEM. DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY THE CONTRACTOR'S LICENSED ENGINEER(S) WHO SHALL BE REGISTERED IN THE PROJECT'S JURISDICTION. THE LICENSED ENGINEER(S) IN RESPONSIBLE CHARGE OF DESIGN FOR THE ITEMS LISTED ABOVE SHALL REVIEW THE SHOP DRAWINGS AND ERECTION DRAWINGS FOR THE ELEMENTS THEY DESIGNED AND CONFIRM IN WRITING WITH A SIGNED AND SEALED LETTER THAT THOSE DRAWINGS PROPERLY INCORPORATE THEIR DESIGN.
2. SHOP DRAWINGS AND CALCULATIONS SHALL SHOW LOCATIONS AND MAGNITUDES OF LOADS IMPOSED ON STRUCTURE AT THE CONNECTIONS.
3. CONTRACTOR SHALL DESIGN AND FURNISH ALL EMBEDS AND HARDWARE NEEDED FOR CONNECTION OF THESE ITEMS TO THE STRUCTURAL FRAMING. CONNECTIONS TO CONCRETE SHALL BE DESIGNED IN ACCORDANCE WITH ACI 318, ASSUMING THAT ANCHOR REINFORCEMENT AND SUPPLEMENTARY REINFORCING STEEL ARE NOT PRESENT. EMBEDS SHALL BE DESIGNED AND DETAILED TO AVOID INTERFERENCE WITH REINFORCING STEEL AND OTHER ITEMS IN THE CONCRETE. IF INTERFERENCES BETWEEN EMBEDS AND ITEMS IN THE CONCRETE OCCUR DURING CONSTRUCTION, THE CONTRACTOR SHALL NEITHER ALTER THE EMBEDS NOR MOVE ANYTHING IN THE CONCRETE UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER OF RECORD.

- a. IF DIFFERENCES OCCUR WITHIN OR BETWEEN THE DRAWINGS AND SPECIFICATIONS REGARDING MATERIALS, SIZES, STRENGTHS OR QUANTITIES, THEN THE BETTER MATERIAL, HIGHER STRENGTH, LARGER SIZE AND GREATER QUANTITY INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
- b. REINFORCING STEEL IN EXISTING CONCRETE SHALL BE LOCATED PRIOR TO INSTALLATION OF NEW OPENINGS OR CORING OF HOLES IN THE CONCRETE. REINFORCING STEEL MAY NOT BE CUT WITHOUT APPROVAL FROM THE ENGINEER.
- c. THE EXACT WEIGHTS, DIMENSIONS AND LOCATIONS OF ALL MECHANICAL UNITS SUPPORTED ON STRUCTURAL STEEL FRAMING SHALL BE DETERMINED AND COORDINATED BY THE CONTRACTOR PRIOR TO DETAILING THE STRUCTURAL STEEL FRAMING SUPPORTING THOSE UNITS. IF THE UNIT WEIGHTS ARE GREATER THAN THE WEIGHTS SHOWN ON THE STRUCTURAL DRAWINGS THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO DETAILING THE STRUCTURAL STEEL UNIT WEIGHTS, DIMENSIONS AND LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE APPROXIMATE ONLY AND SHALL NOT BE USED FOR DETAILING THE STRUCTURAL STEEL.
- d. DIMENSIONS MAY NOT BE SCALED FROM THE DRAWINGS.

- e. ALL CONSTRUCTION IS NEW UNLESS IDENTIFIED AS EXISTING ("E"). THE CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING INFORMATION AND SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION OF ANY STRUCTURAL COMPONENT. UNLESS INDICATED OTHERWISE, NEW SLABS ARE TO BE AT THE SAME ELEVATIONS AS ADJACENT EXISTING SLABS. FOUNDATION ELEVATIONS OR COLUMN LENGTHS SHALL BE ADJUSTED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER TO ACHIEVE MATCHING SLAB ELEVATIONS.

- f. TYPICAL DETAILS ARE SHOWN ON THE STRUCTURAL DRAWINGS ON SHEETS TITLED "TYPICAL DETAILS". THE TYPICAL DETAILS INDICATE STRUCTURAL REQUIREMENTS OCCURRING THROUGHOUT THE STRUCTURE AT LOCATIONS IDENTIFIED BY THE DETAIL TITLES. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE UNIT WEIGHTS, PROVIDING AND INSTALLING THE INDICATED STRUCTURAL ELEMENTS AND COMPONENTS INDICATED IN THE DETAILS, AND CONFORMING TO ALL OTHER REQUIREMENTS INDICATED ON THE DETAILS AT ALL LOCATIONS WHERE THE DETAILS APPLY.

9. INFORMATION SHOWN ON THE SECTIONS AND DETAILS IS THAT WHICH IS REQUIRED TO CONVEY THE PURPOSE FOR WHICH THE SECTIONS AND DETAILS WERE PROVIDED. THE CONTRACTOR IS RESPONSIBLE FOR REFERRING ELSEWHERE ON THE CONTRACT DOCUMENTS FOR ALL OTHER INFORMATION WHICH MAY BE OCCURRING IN THE SECTIONS OR DETAILS, BUT WHICH IS NOT SHOWN.

4. INSPECTION AND TESTING:
  - a. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES AS INDICATED BELOW AND SUBMIT REPORTS.

- b. STRUCTURAL STEEL:
  1. THE TESTING AGENCY SHALL:
    - VISUALLY INSPECT ALL WELDS, BOLTED CONNECTIONS AND SHEAR STUDS. MONITOR THE INSTALLATION OF ALL BOLTS REQUIRING PRE-TENSIONING TO VERIFY THAT ALL BOLTS ARE PROPERLY INSTALLED AND PRE-TENSIONED. PERFORM ULTRASONIC TESTS ON ALL FULL PENETRATION GROOVE WELDS AND ON 50% OF ALL PARTIAL PENETRATION GROOVE WELDS. PERFORM MAGNETIC PARTICLE TESTS ON 10% OF ALL FIELD FILLET WELDS. TEST ALL WELDS WHERE VISUAL EXAMINATION INDICATES AN UNUSUAL CONDITION AND/OR POOR QUALITY. FOLLOW TESTING PROCEDURES IN ACCORDANCE WITH THE AWS CODE.

**F. STRUCTURAL STEEL:**

1. GENERAL:
  - a. THE GENERAL CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY FABRICATION OR ERECTION ERRORS OR DEVIATIONS AND RECEIVE WRITTEN APPROVAL BEFORE ANY FIELD CORRECTIONS ARE MADE.
  - b. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - STEEL", AWS/AWS D1.1 AND AISC REQUIREMENTS. STRUCTURAL STEEL THAT IS DAMAGED DURING WELDING SHALL BE REPLACED OR REPAIRED IN A MANNER THAT IS ACCEPTABLE TO THE STRUCTURAL ENGINEER.
  - c. WELDERS SHALL HAVE CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION TESTS. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.
  - d. GAS CUTTING TORCHES SHALL NOT BE USED TO CORRECT FABRICATION ERRORS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
  - e. ALL STEEL INDICATED TO BE GALVANIZED SHALL BE HOT-DIP GALVANIZED. "GALV" INDICATES HOT-DIP GALVANIZED STEEL. BOLTS CONNECTING GALVANIZED FRAMING SHALL BE HOT-DIP GALVANIZED; OTHER STEEL ELEMENTS BOLTED OR WELDED TO GALVANIZED FRAMING SHALL BE HOT-DIP GALVANIZED.
  - f. ALL STRUCTURAL STEEL (INCLUDING BOLTS AND OTHER HARDWARE) EXPOSED TO WEATHER OR LOCATED IN UNHEATED SPACES SHALL BE HOT-DIP GALVANIZED.
  - g. ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY APPLYING AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH THE REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL CONTAIN 95% ZINC BY WEIGHT. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NO LESS THAN THE COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
  - h. ALL DAMAGED FACTORY PRIMED OR FACTORY FINISHED PAINTED SURFACES SHALL BE REPAIRED WITH IDENTICAL PAINT. THE TOUCH-UP REPAIR PAINT SHALL BE APPLIED IN A MANNER SUCH THAT THE REPAIR IS NOT VISIBLE FROM A DISTANCE OF SIX FEET.
  - i. BOLTS AND FIELD WELDS INSTALLED ON FACTORY FINISH-PAINTED STRUCTURAL STEEL SHALL BE FIELD PAINTED WITH THE SAME PAINTING SYSTEM. THE FIELD APPLIED PAINT SHALL BE APPLIED IN A MANNER SUCH THAT IT CAN NOT BE DIFFERENTIATED FROM THE FACTORY FINISH-PAINTED STRUCTURAL STEEL FROM A DISTANCE OF SIX FEET.
2. CONNECTIONS:
  - a. ALL STRUCTURAL STEEL CONNECTIONS (OTHER THAN THOSE CONNECTIONS IDENTIFIED AS "FULLY DESIGNED") AND MEMBER REINFORCEMENT AT THE CONNECTIONS, SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER WORKING FOR THE FABRICATOR IN ACCORDANCE WITH AISC 303-16, SECTIONS 3.1.1 AND 3.1.2, OPTION 3b. THAT ENGINEER SHALL BE LICENSED IN THE JURISDICTION IN WHICH THE PROJECT IS LOCATED.

- b. CONNECTIONS AND MEMBER REINFORCEMENT AT THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE REACTIONS, MOMENTS AND AXIAL FORCES SPECIFIED OR INDICATED ON THE DRAWINGS.

- c. WHERE SPECIFIC CONNECTION TYPES, DETAILS, CONFIGURATIONS OR CONNECTION DESIGN LIMITATIONS ARE INDICATED, THE CONNECTIONS SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH THOSE REQUIREMENTS. WHERE SPECIFIC SIZES, QUANTITIES AND DIMENSIONS OF BOLTS, WELDS AND PLATES ARE INDICATED, THOSE ARE MINIMUM PERMITTED SIZES, QUANTITIES AND DIMENSIONS. THE CONNECTION STRENGTH OF ALL CONNECTIONS SHALL BE DETERMINED BY THE FABRICATOR'S CONNECTION DESIGN ENGINEER AND THE CONNECTION DETAIL SHALL MODIFIED IF REQUIRED TO PROVIDE THE REQUIRED STRENGTH.

- d. CONNECTION DESIGN RESPONSIBILITY SHALL INCLUDE CALCULATION OF MEMBER STRENGTH AT CONNECTIONS CONSIDERING THE EFFECTS OF COPELS, BOLT HOLES, CONNECTION ECCENTRICITY, AND CONNECTION GEOMETRY, AND SHALL CONSIDER ALL LIMIT STATES INCLUDING BUT NOT LIMITED TO REVIEW OF GROSS SHEAR, NET SHEAR, BLOCK SHEAR, WEB TEAR-OUT, BEARING, FLEXURAL STRENGTH, LOCAL BUCKLING, TENSILE STRENGTH THROUGH BOTH THE NET AND GROSS SECTIONS, COMPRESSIVE STRENGTH AND DUCTILITY. DESIGN OF CONNECTIONS SHALL BE IN ACCORDANCE WITH RECOGNIZED PUBLISHED METHODS SUCH AS THOSE PUBLISHED IN THE AISC "ENGINEERING JOURNAL", THE AISC 15TH EDITION STEEL CONSTRUCTION MANUAL AND THE AISC STEEL CONSTRUCTION MANUAL DESIGN EXAMPLES. CONNECTION DESIGN SHALL CONSIDER TRANSFER FORCES THROUGH CONNECTED AND CONNECTING MEMBERS. CONNECTION DESIGN RESPONSIBILITY SHALL INCLUDE ANALYSIS AND DESIGN OF PLATES, BRACKETS, STRUTS, STIFFENER PLATES, GUSSET PLATES AND OTHER ELEMENTS TO TRANSFER FORCES INTO AND BETWEEN MEMBERS. MANUAL CALCULATIONS SHALL BE SUBMITTED FOR EACH CONNECTION TYPE TO VERIFY THAT CONNECTIONS DESIGNED USING COMPUTER SOFTWARE CONSIDER ALL LIMIT STATES AND PRODUCE RESULTS IDENTICAL TO THE MANUAL CALCULATIONS.

- e. BEAM SHEAR CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE FACTORED-LOAD LEVEL SHEAR REACTIONS INDICATED ON DRAWINGS, EXCEPT THAT NO CONNECTION SHALL BE DETAILED TO SUPPORT LESS THAN 15 KIPS (FACTORED). BEAM WEB SHEAR CONNECTIONS SHALL BE DETAILED SO THAT THE LENGTHS OF THE CONNECTION PLATES OR ANGLES ARE NO LESS THAN ONE-HALF OF THE "T" DIMENSION OF THE SUPPORTED BEAMS, WHERE REACTIONS ARE NOT SHOWN, CONNECTIONS SHALL BE DETAILED TO SUPPORT THE FACTORED-LOAD LEVEL REACTIONS INDICATED IN THE TABLE BELOW.

BEAM SIZE	Ru
W8	15k
W10	15k
W12	20k
W14	30k
W16	40k
W18	50k

BEAM SIZE	Ru
W21	70k
W24	90k
W27	110k
W30	150k
W36	170k

- f. THE FOLLOWING TYPES OF SHEAR CONNECTIONS ARE PERMITTED (U.N.O.):
  - DOUBLE-ANGLE CONNECTIONS
  - SINGLE-ANGLE CONNECTIONS
  - SINGLE-PLATE CONNECTIONS
  - SHEAR END-PLATE CONNECTIONS
  - BENT PLATE SHEAR CONNECTIONS

- g. THE CONTRACTOR SHALL SUBMIT TABLES FOR ALL SHEAR CONNECTIONS USED ON THE PROJECT SHOWING USABLE SHEAR STRENGTH FOR ALL CONNECTION CONFIGURATIONS CONSIDERING BEAM SIZE, BOLT SIZE, TYPE AND QUANTITY, CONNECTION GEOMETRY, WELD SIZES, EDGE DISTANCES, ECCENTRICITIES AND COPE DIMENSIONS.

- h. CONNECTIONS IDENTIFIED AS BEING "FULL DEPTH" CONNECTIONS INDICATE SHEAR CONNECTIONS DESIGNED AND DETAILED FOR THE FULL DEPTH OF THE BEAM WEB WITH BOLTS AT 3" ON CENTER.

- i. MINIMUM BEAM-TO-COLUMN CONNECTION REQUIREMENTS: SQUARE BEAM-TO-COLUMN CONNECTIONS SHALL BE FULL DEPTH DOUBLE ANGLE CONNECTIONS. U.N.O.; FULL DEPTH SINGLE ANGLE CONNECTIONS MAY BE USED WHERE BEAMS FRAME TO BOTH SIDES OF W SHAPE COLUMN WEBS; PROVIDE OTHER CONNECTIONS WHERE SPECIFIED OR DETAILED. SKEWED BEAM-TO-COLUMN CONNECTIONS SHALL BE DETAILED FOR THE REACTIONS INDICATED AND SHALL BE DETAILED FOR FULL DEPTH OF BEAM U.N.O.

- j. MOMENT CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE FACTORED-LOAD LEVEL MOMENTS INDICATED ON THE DRAWINGS, WHERE NO MOMENTS ARE INDICATED, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT 75 PERCENT OF THE FULL PLASTIC MOMENT STRENGTH OF THE MEMBER. MOMENT CONNECTIONS SHALL BE DESIGNED AS FULLY RESTRAINED MOMENT CONNECTIONS.

- k. STRUCTURAL STEEL CONNECTIONS SHALL BE MADE WITH WELDS OR WITH A325 OR A490 HIGH STRENGTH BOLTS. ALL BOLTS, NUTS AND WASHERS SHALL BEAR IDENTIFICATION MARKS. UNMARKED BOLTS, NUTS & WASHERS WILL BE REJECTED.

- l. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" (RCSJ SPECIFICATION).

- m. EXCEPT WHERE SLIP-CRITICAL BOLTS ARE OTHERWISE REQUIRED, PRE-TENSIONED BOLTS SHALL BE USED IN BEAM-TO-COLUMN CONNECTIONS, BOLTED COLUMN SPLICES, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS, IN CONNECTIONS WITH GROUP "B" (A490) BOLTS IN TENSION, GROUP "A" (A325) BOLTS SUBJECT TO TENSILE FATIGUE, AND OTHER LOCATIONS SPECIFIED IN AISC 360-16 SECTION J3.1 AND RCSJ SPECIFICATION SECTION 4.2.

- n. SLIP-CRITICAL BOLTED CONNECTIONS SHALL BE USED IN CONNECTIONS WITH OVERSIZED HOLES, CONNECTIONS WITH SLOTTED HOLES, EXCEPT WHERE APPLIED LOADS ARE APPROXIMATELY PERPENDICULAR (WITHIN 80 TO 100 DEGREES) TO THE LONG DIRECTION OF THE SLOT, JOINTS SUBJECT TO FATIGUE LOADING WITH LOAD REVERSAL, AND OTHER LOCATIONS SPECIFIED IN AISC 360-16, SECTION J3.1 AND RCSJ SPECIFICATION SECTION 4.3.

- o. MAXIMUM PERMITTED CONNECTION ECCENTRICITY IN SHEAR CONNECTIONS = 3"(U.N.O.)

- p. WELDS IN SHEAR CONNECTIONS SHALL BE CONTINUOUS.

- q. SINGLE PLATE SHEAR CONNECTIONS SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH THE PROCEDURE DELINEATED IN THE AISC "STEEL CONSTRUCTION MANUAL".

- r. SINGLE-PLATE SHEAR CONNECTIONS WITH  $e > 3.5"$ , AND FEWER THAN 6 BOLTS IN ONE COLUMN SHALL BE DESIGNED WITH SLIP-CRITICAL BOLTS. SINGLE-PLATE SHEAR CONNECTIONS WITH  $e > 7"$ , AND 6 OR FEWER BOLTS IN TWO COLUMNS SHALL BE DESIGNED WITH SLIP-CRITICAL BOLTS. ALL OTHER SINGLE-PLATE SHEAR CONNECTIONS MAY BE DESIGNED USING BEARING BOLT SHEAR STRENGTHS. BOLTS IN ALL SINGLE-PLATE SHEAR CONNECTIONS WITH  $e > 3.5"$  SHALL BE PRE-TENSIONED.

- s. THE FACTORED-LOAD LEVEL REACTIONS FOR WHICH THE CONNECTIONS MUST BE DESIGNED AND THE USABLE CONNECTION STRENGTH OF THE CONNECTIONS SHALL BE INDICATED ON THE SHOP DRAWING PEECE DRAWINGS AS FOLLOWS:
 
$$R_u = \dots k_j / \phi R_n = k$$

- t. A325 AND A490 BOLTS IDENTIFIED AS "SC" (SLIP-CRITICAL) SHALL BE PRE-TENSIONED IN ACCORDANCE WITH ONE OF THE APPROVED METHODS SPECIFIED IN AISC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". FAYING SURFACES IN SLIP-CRITICAL CONNECTIONS SHALL BE CLASS "A" SURFACES UNLESS NOTED OTHERWISE.

- u. BOLTED CONNECTIONS IN GALVANIZED STEEL FRAMING SHALL BE MADE WITH A325 GALVANIZED BOLTS, NUTS AND WASHERS.

- v. BEAM AND GIRDER CONNECTIONS AND COLUMN SPLICES SHALL BE DESIGNED TO MEET THE IBC REQUIREMENTS FOR STRUCTURAL INTEGRITY.

1. BEAM AND GIRDER CONNECTIONS SHALL BE DESIGNED TO HAVE A MINIMUM NOMINAL AXIAL TENSILE STRENGTH EQUAL TO 0.667 x REQUIRED VERTICAL SHEAR STRENGTH. THE VERTICAL SHEAR FORCE AND AXIAL TENSILE FORCE NEED NOT BE CONSIDERED TO ACT SIMULTANEOUSLY. THE FOLLOWING CONNECTION TYPES ARE PROHIBITED ON BEAMS AND GIRDERS:
  - SINGLE & DOUBLE ANGLE CONNECTIONS WELDED TO THE SUPPORTING MEMBER. - BENT PLATE CONNECTIONS WELDED TO THE SUPPORTING MEMBER.

2. COLUMN SPLICES SHALL HAVE A TENSILE STRENGTH CAPACITY SUFFICIENT TO SUPPORT THE DEAD & LIVE LOAD TRIBUTARY TO THE COLUMN BETWEEN THE SPLICE AND THE SPLICE OR BASE IMMEDIATELY BELOW. REFER TO THE COLUMN SCHEDULE FOR REQUIRED TENSILE STRENGTH OF COLUMN SPLICE CONNECTIONS.

- w. STRUCTURAL STEEL CONNECTIONS SHALL BE DESIGNED AND DETAILED TO MEET THE SECTION BC 2112 NYC BUILDING CODE REQUIREMENTS FOR STRUCTURAL INTEGRITY.

3. HSS AND PIPE FRAMING:
  - a. OPEN ENDS ON ALL HSS AND PIPE MEMBERS EXPOSED TO WEATHER, OR ARCHITECTURALLY EXPOSED TO VIEW, OR WITH THE END OF THE HSS/PIPE BEARING PERPENDICULAR ON SUPPORTING FRAMING SHALL BE CLOSED OFF WITH 3/8" THICK CLOSURE PLATES. INSET PLATES INTO OPEN ENDS AND WELD WITH 3/16" CONTINUOUS ALL-AROUND FILLET WELDS, UNO. WHERE HSS/PIPE IS ARCHITECTURALLY EXPOSED TO VIEW, INSTALL PLATES FLUSH TO A GROEVED END OF HSS/PIPE WITH AN ALL-AROUND 3/16" PENETRATION GROOVE WELD AND GRIND WELD AND PLATE FLUSH TO PERIMETER OF HSS/PIPE.

**G. UNISTRUT FRAMING**

1. GENERAL:
  - a. ALL MEMBERS DESIGNATED AS BEING UNISTRUT SHALL BE DESIGNED AND SUPPLIED BY UNISTRUT CORPORATION OR AS AN APPROVED EQUAL DESIGNED AND PROVIDED IN WRITING BY THE ARCHITECT OR ENGINEER OF RECORD.

- b. SECTION PROPERTIES, STEEL GRADES AND ALLOWABLE MOMENTS SHALL CONFORM TO THAT INDICATED IN UNISTRUT CORPORATION GENERAL ENGINEERING CATALOG OR AN APPROVED EQUAL.

- c. ALL BOLTS IN UNISTRUT SHALL CONFORM TO ASTM A 325. CORPORATION GENERAL ENGINEERING CATALOG.

- d. WELDING OR SPLICING OF UNISTRUT FRAMING IS PROHIBITED.

- e. DESIGN AND FABRICATION OF "SPECIAL UNISTRUT PIECES" SHALL BE OF SAME MATERIALS, QUALITY AND CONSTRUCTION OF TYPICAL UNISTRUT CORPORATION FRAMING OR AN APPROVED EQUAL MANUFACTURER'S FRAMING.

- f. ALL EXPOSED UNISTRUT FRAMING MUST BE SHOP PAINTED WHITE. ANY BLEMISHES ON UNISTRUT AS A RESULT OF SHIPPING OR INSTALLATION SHALL BE PAINTED WITH PAINT MATCHING COLOR AND TYPE. ALL EXPOSED INFILL CLIPS MUST ALSO BE PAINTED WHITE.

- g. PROVIDE WHITE CAPS AT ALL OPEN AND CUT ENDS.

- h. MATERIAL AND INSTALLATION SHALL BE PROVIDED BY A QUALIFIED VENDOR, WITH AT LEAST FIVE (5) YEARS EXPERIENCE IN THE MANUFACTURE AND INSTALLATION OF ADJUSTABLE METAL FRAMING SUPPORTS. VENDOR SHALL DEMONSTRATE EXPERIENCE OF PROJECTIONS OF SIMILAR SCOPE AND SIZE AND SHALL MAINTAIN A CONTINUING QUALITY ASSURANCE PROGRAM FOR BOTH ITS MATERIAL AND INSTALLATION CREWS.

- i. VENDOR SHALL PROVIDE THE SINGLE RESPONSIBILITY FOR MATERIALS AND WORKMANSHIP, AND SHALL PROVIDE A WARRANTY PERIOD OF TWO (2) YEARS FROM DATE OF ACCEPTANCE BY ARCHITECT/OWNER.

- j. ALL MATERIALS SHALL BE PROTECTED FROM CORROSION WITH A FACTORY APPLIED FINISH.

- k. ALL MATERIALS SHALL BE STAMPED AND IDENTIFIABLE BY MANUFACTURER AND PART NUMBER (WHERE APPROPRIATE). MATERIALS THAT APPEAR DAMAGED, DISTRESSED, UNIDENTIFIABLE OR RUSTED SHALL NOT BE USED AND WILL NOT BE ACCEPTED.

- l. THE CONTRACTOR SHALL MAKE FIELD MEASUREMENTS TO ASSURE THAT THE MEDICAL SUPPORT CAN BE INSTALLED ACCORDING TO PLANS, AND WITHOUT INTERFERENCE WITH STRUCTURAL FRAMING, MECHANICAL SYSTEMS, PLUMBING OR OTHER OBSTRUCTIONS. ANY INTERFERENCES SHALL BE REPORTED TO THE ARCHITECT.

- m. THE CONTRACTOR SHALL ASSURE THAT THE SUPPORT SYSTEM IS INSTALLED IN A TIMELY AND PRACTICAL SEQUENCE, AHEAD OF ANY EXTENSIVE ELECTRICAL, MECHANICAL OR HVAC WORK IN THE AREA, AND PRIOR TO ANY CEILING FRAMING OR ROOM FINISHES.

**ADDENDUM #1 - 10/12/2021 - NOT FOR CONSTRUCTION**

Seal / Signature \_\_\_\_\_

Date	Description
1 10.04.2021	ISSUE FOR BID
2 10.12.2021	ADDENDUM#1

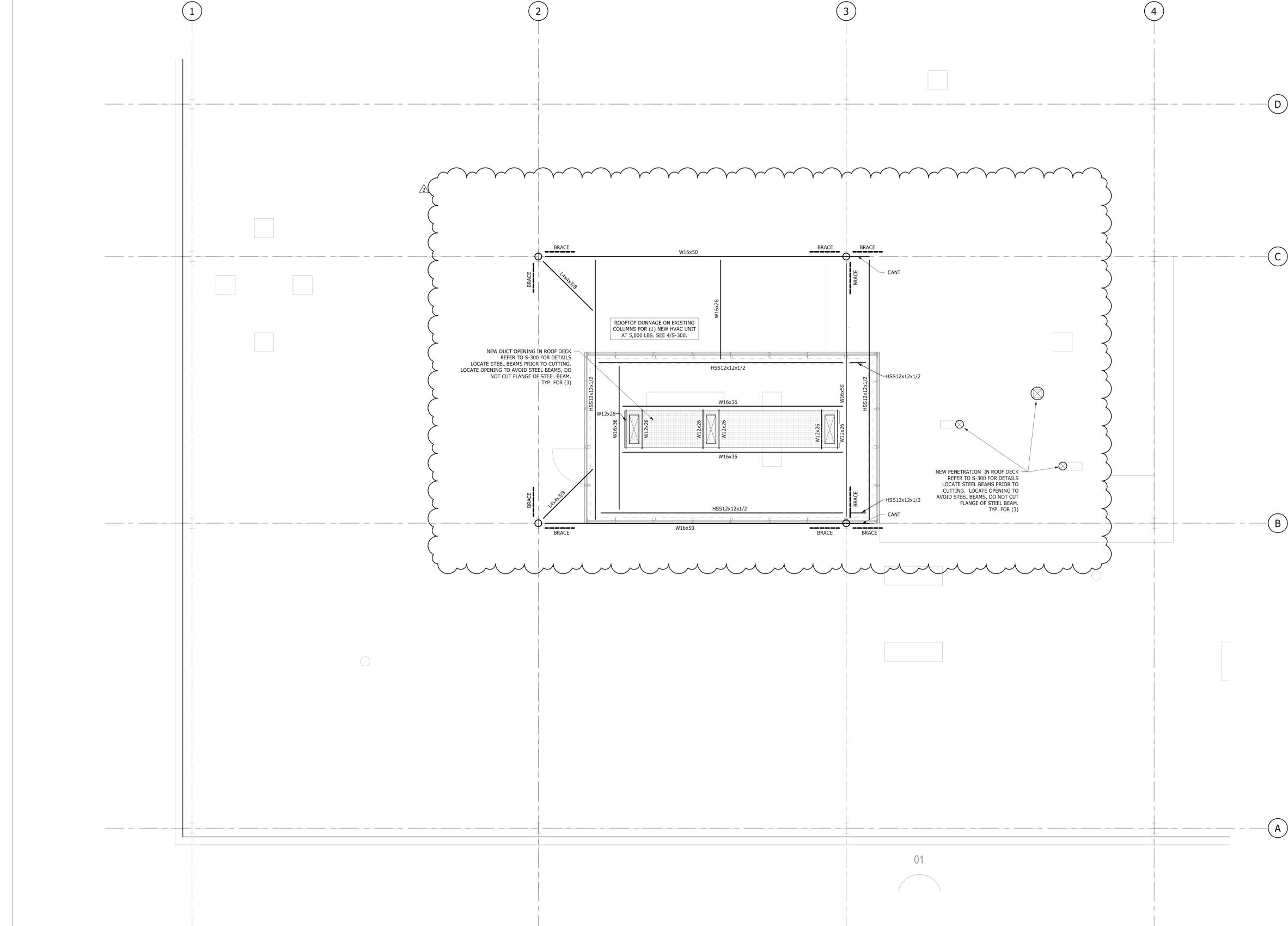
Project Name  
**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number  
**THG 221093.00**

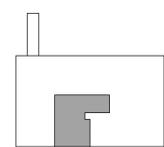
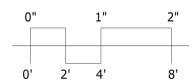
Description  
**ROOF LEVEL**

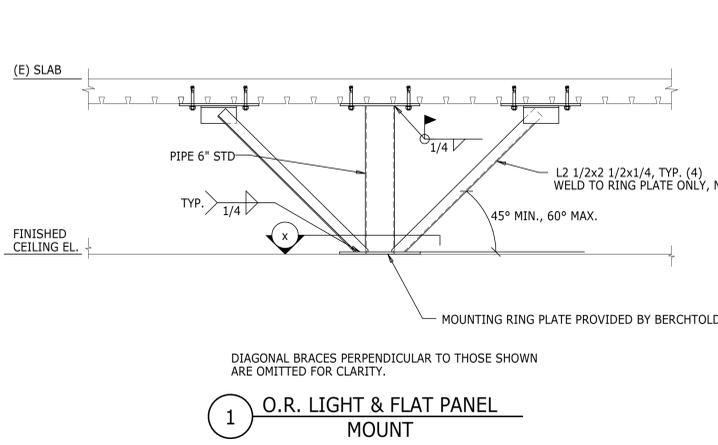
Scale  
**1/4" = 1'-0"**

**S-202**

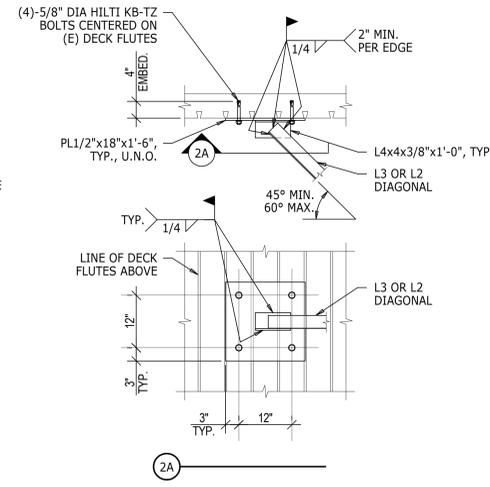


**ROOF LEVEL**  
1/4" = 1'-0"





**1 O.R. LIGHT & FLAT PANEL MOUNT**

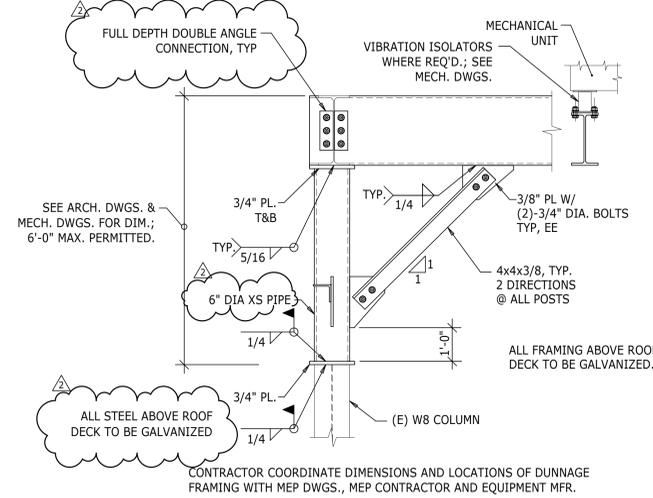


**2 TYPICAL CONNECTION TO (E) SLAB**

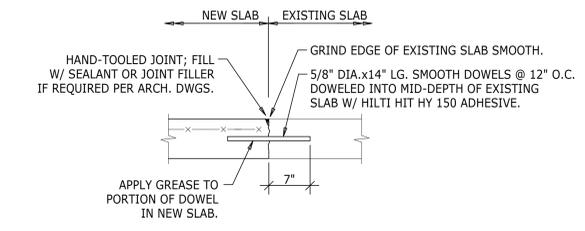
EQUIPMENT MOUNTING PLATE SCHEDULE	
MOUNTING PLATE	TYPE C
SUPPLIED BY:	BERCHTOLD
INSTALLED BY:	STEEL CONTRACTOR

NOTE: STEEL CONTRACTOR TO CONFIRM ALL MOUNTING PLATE DIMENSIONS PRIOR TO DETAILING OR FABRICATION. SEE GENERAL NOTES SHEET FOR EQUIPMENT SCHEDULE.

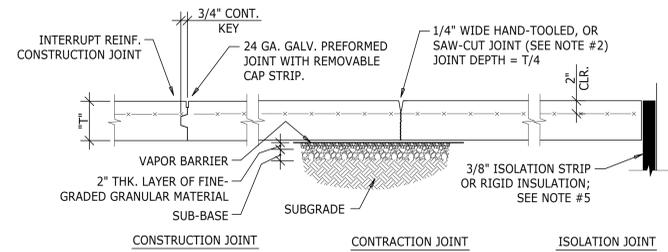
**3 MOUNTING PLATE SCHEDULE**



**4 ROOFTOP DUNNAGE FRAMING**

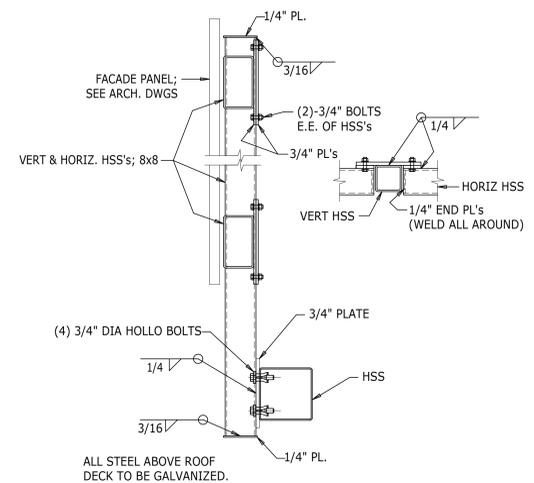


**5 NEW SLAB-ON-GRADE CONNECTION TO EXISTING SLAB-ON-GRADE**

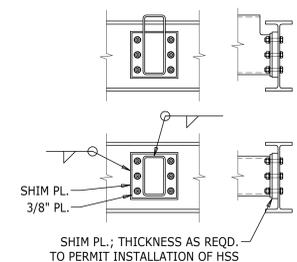


NOTES:  
 1. CONTRACTION JOINTS SHALL BE INSTALLED EITHER BY HAND TOOLING, OR BY SAW-CUTTING USING A "SOFF-CUT" ULTRA EARLY ENTRY DRY-CUT SAW OR AN APPROVED EQUAL; JOINTS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF FINISHING OPERATIONS.  
 2. REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR JOINT SEALANT REQUIREMENTS (IF ANY).  
 3. REFER TO SPECIFICATIONS FOR REQUIREMENTS FOR FINE-GRADED GRANULAR MATERIAL AND VAPOR BARRIER (WHERE OCCURRING).  
 4. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS FOR SUB-BASE MATERIAL.  
 5. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, EXTENT, TYPE AND THICKNESS OF RIGID INSULATION WHERE REQUIRED.

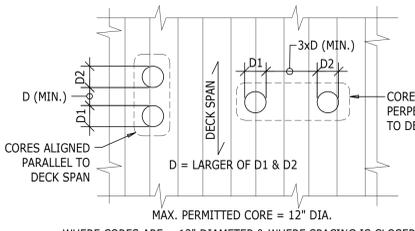
**6 SLAB-ON-GRADE CONSTRUCTION**



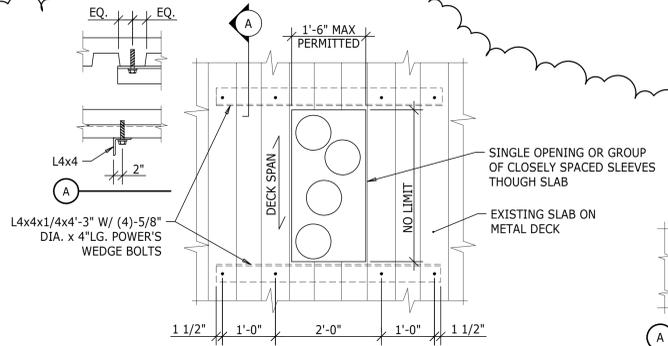
**7**



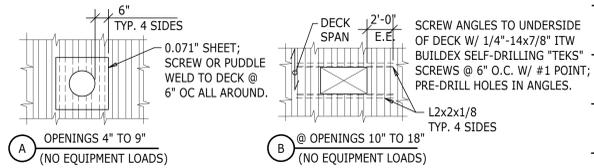
**8 HSS CONNECTION TO W SHAPE BEAMS**



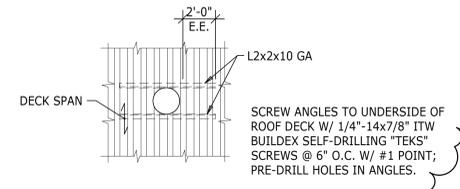
**9 CRITERIA FOR CORING SLEEVES THROUGH EXISTING SLABS ON METAL DECK**



**10 REINFORCING AT NEW OPENING THROUGH EXISTING SLAB ON METAL DECK**



**11 NEW FRAMING BELOW NEW ROOF DECK OPENINGS & MEP UNITS ON EXISTING ROOFS (<2,000 POUNDS)**



**12 ROOF DECK REINFORCING BELOW ROOF DRAIN**

**ADDENDUM #1 - 10/12/2021 - NOT FOR CONSTRUCTION**

Seal / Signature

Date	Description
1 10.04.2021	ISSUE FOR BID
2 10.12.2021	ADDENDUM #1

Project Name

**INTERVENTIONAL RADIOLOGY - TARRYTOWN**

Project Number

**THG 221093.00**

Description

**DETAILS**

Scale

**NOT TO SCALE**

**S-300**