JPS Health Network
Fort Worth, Texas

JPS HEALTH NETWORK

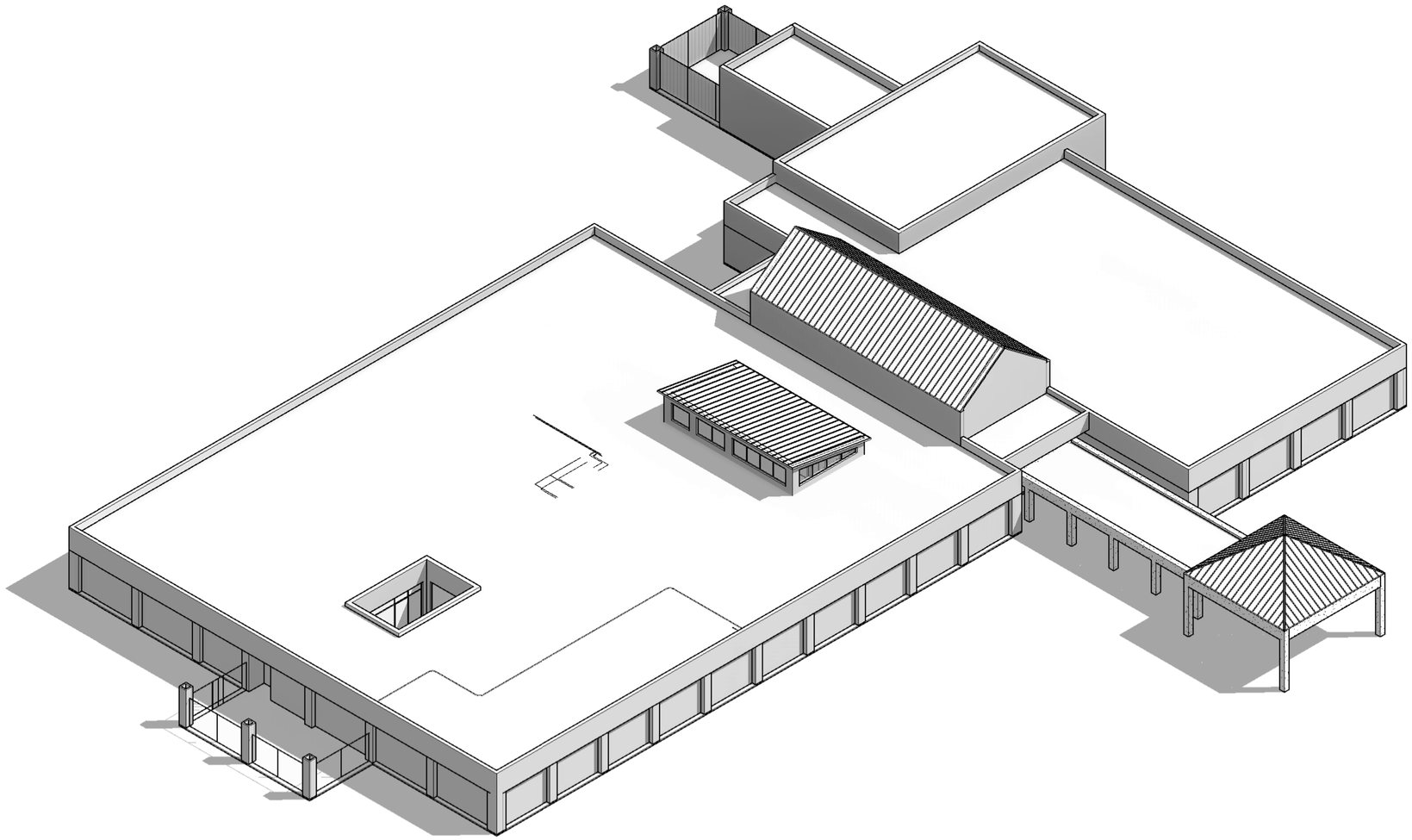
STOP SIX X-RAY REPLACEMENT

3301 STALCUP ROAD, FORT WORTH, TX 76119

CONSTRUCTION DOCUMENTS

11/19/2025

Primera Design Associates



THIS IMAGE IS AN ARTIST RENDITION AND NOT A CONSTRUCTION DOCUMENT.

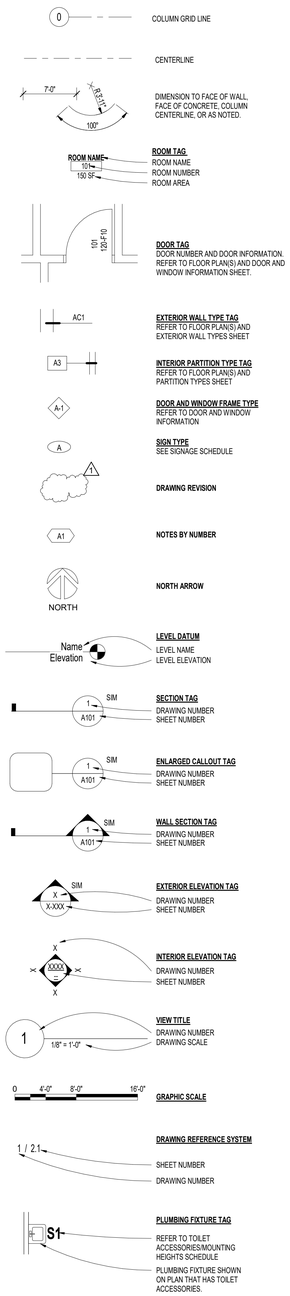
EAB #: **TBD**
CITY PERMIT #: **TBD**
TDH APPLICATION #: **TBD**

ABBREVIATIONS

ACT.	ACTUAL
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
A.F.S.	ABOVE FINISH SLAB
AGG.	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
ALUM.	ALUMINUM
BLDG.	BUILDING
BK.	BRICK
BM.	BEAM
CAB.	CABINET
CPT.	CARPET
C.J.	CONTROL JOINT
CL	CENTERLINE
CG	CORNER GUARD
CLG.	CEILING
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONT.	CONTINUOUS
C.T.	COUNTERTOP
DBL.	DOUBLE
DEMO.	DEMOLITION
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DWG.	DRAWING
E.W.C.	ELECTRIC WATER COOLER
EA.	EACH
E.J.	EXPANSION JOINT
EQ.	EQUAL
EXP.	EXPANSION
E.W.	EACH WAY
EXT.	EXTERIOR
EXIST.	EXISTING
F.E.C.	FIRE EXTINGUISHER CABINET
F.D.	FINISH DIMENSION
F.D.V.B.	FIRE DEPARTMENT VALVE BOX
F.F.	FINISH FLOOR
FIN.	FINISH(ED)
FRT.	FIRE RETARDANT TREATED
G.I.	GALVANIZED IRON
G.B./GYP.BD.	GYPSUM BOARD
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
H.M.	HOLLOW METAL
H.S.	HORIZONTAL IN SPLASH
I.C.U.	INTENSIVE CARE UNIT
INT.	INTERIOR
INSUL.	INSULATION
I.T.C.	INSTALLED THIS CONTRACT
K.S.	KNEE SPACE
LAM.	LAMINATED
LAV.	LAVATORY
L.L.V.	LONG LEG VERTICAL
L.L.H.	LONG LEG HORIZONTAL
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
M.O.	MASONRY OPENING
MTL./MET.	METAL
MNT.	MOUNTED
N/A	NOT APPLICABLE
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
O.D.	OVERFLOW DRAIN
O.H/OPP.H.	OPPOSITE HAND
P.D.	PLAN DIMENSION
PLAS. LAM.	PLASTIC LAMINATE
P.T.	PORCELAIN TILE
P.T.D.	PAPER TOWEL DISPENSER
RB	RUBBER BASE
R./REV.	REVISED/REVERSE
R./RAD.	RADIUS
REINF.	REINFORCE
REF.	REFERENCE/REFER TO
REQ'D.	REQUIRED
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
SCHED.	SCHEDULED
SHT.	SHEET
SIM.	SIMILAR
SL.	SLOPE
SP.	SPACE
S.S.	STAINLESS STEEL
S.S.V.	SOLID SURFACE VENEER
STL.	STEEL
SUSP.	SUSPENDED
S.V.	SHEET VINYL
T.A.S.	TEXAS ACCESSIBILITY STANDARDS
T.B.	TACK BOARD
T.D.H.	TEXAS DEPARTMENT OF HEALTH
TEMP. OR (T.)	TEMPERED GLASS
THK.	THICK
TOIL.	TOILET
TYP.	TYPICAL
U.C.	UNDER COUNTER
UCR	UNDER COUNTER REFRIGERATOR
U.L.	UNDERWRITERS LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
UR.	NEW URINAL
VCT	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
V.T.	VINYL TILE
VERT.	VERTICAL
W.C.	NEW WATER CLOSET
WDW.	WINDOW
WD.	WOOD
WH	WATER HEATER
W/	WITH
W/O	WITHOUT

MATERIALS LEGEND

DRAWING LEGEND



GENERAL NOTES

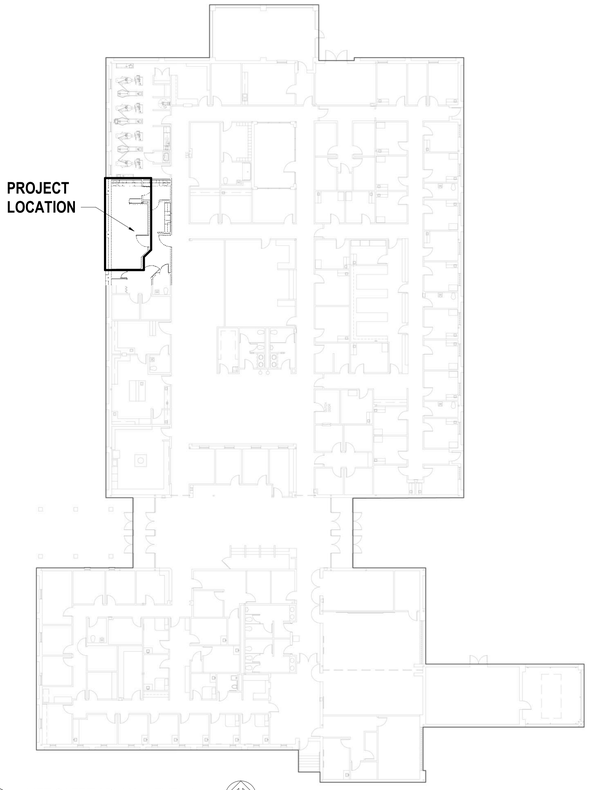
1. THE CONTRACT DRAWINGS AND THE PROJECT MANUAL COMPRISE THE CONTRACT DOCUMENTS. CONTRACTOR(S) SHALL BE FAMILIAR WITH ALL ASPECTS OF THE CONTRACT DOCUMENTS.
2. BY SUBMITTING A BID, THE CONTRACTOR(S) AGREE THAT THEIR WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS IN EFFECT AT THE TIME OF THE BID SUBMITTAL.
3. THESE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS, CONTRACTOR SHALL NOTIFY THE ARCHITECT.
4. VERIFY ALL DIMENSIONS, GRADES, AND EXISTING CONDITIONS AT JOB SITE. WHERE DIMENSIONS ARE LABELED "VERIFY" OR "V.I.F.", THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF DIMENSION VARIES FROM DIMENSION SHOWN PRIOR TO CONSTRUCTING WALLS.
5. VERIFY SIZE AND LOCATIONS OF ALL OPENINGS WITH CONTRACTORS INVOLVED, INCLUDING MECHANICAL AND ELECTRICAL AND PROVIDE OPENINGS AS REQUIRED. NO OPENINGS SHALL BE MADE THROUGH STRUCTURAL COMPONENTS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
6. THE PROJECT SHALL BE CONSTRUCTED TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
7. ERRORS AND/OR OMISSIONS IN ROOM, DOOR, OR WINDOW SCHEDULES DO NOT RELIEVE THE CONTRACTOR FROM EXECUTING WORK SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.
8. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.
9. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.
10. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
11. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.
12. REMOVE PORTIONS OF EXISTING SURFACES AS REQUIRED FOR THE ADDITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH ADJACENT SURFACES.
13. IN ROOMS OR AREAS WITH EXPOSED STRUCTURE, ALL WIRING & CABLING TO BE IN CONDUIT.

GENERAL PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE FOLLOWING:

PROJECT TYPE	YES	NO
NEW CONSTRUCTION: (COMPLETELY NEW BUILDING AND SITE WORK)		●
ADDITION: (NEW CONSTRUCTION TO INCREASE SIZE OF EXISTING BUILDING)		●
RENOVATION: (REPLACEMENT OF EXISTING BUILDING COMPONENTS)	●	
SYSTEM UPGRADES		●

ITEM	YES	NO
NEW STRUCTURAL SYSTEM		●
EXISTING STRUCTURAL SYSTEM AFFECTED		●
EXISTING EXTERIOR WALLS AFFECTED		●
EXTERIOR WALLS		●
EXISTING INTERIOR WALLS AFFECTED	●	
EXISTING INTERIOR FINISHES AFFECTED	●	
EXISTING ROOFING AFFECTED:		●
HVAC SYSTEMS AFFECTED:	●	
PLUMBING SYSTEMS AFFECTED:		●
ELECTRICAL SYSTEMS AFFECTED:	●	



1 LIFE SAFETY PLAN - LEVEL 1
1" = 20'-0"

NORTH

NOTE: THERE IS NO CHANGE OF USE OR EXIT PATTERN RELATING TO THIS PROJECT.

OWNER

JPS HEALTH NETWORK
1500 SOUTH MAIN STREET
FORT WORTH, TEXAS 76014

ARCHITECT

PRIMERA DESIGN ASSOCIATES, LLC.
318 WEST MAIN STREET, SUITE 103
ARLINGTON, TEXAS 76010
(817) 881-1581

MECHANICAL, ELECTRICAL, AND FIRE PROTECTION CONSULTANT

ROOT ENGINEERING SERVICES
45 FM 3356
VAN ALSTYNE, TEXAS 75495
(903) 375-9303

LIFE SAFETY PLAN GENERAL NOTES

A. ALL PENETRATIONS MADE THROUGH RATED WALLS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED TO MAINTAIN THE REQUIRED WALL RATING.

CODE INFORMATION

STATE	TEXAS HEALTH AND HUMAN SERVICES HOSPITAL LICENSING RULES: 25 TAC CHAPTER 133
	TEXAS DEPARTMENT OF LICENSING AND REGULATION
	2018 NFPA LIFE SAFETY CODE
LOCAL - CITY OF FORT WORTH	
BUILDING:	2021 INTERNATIONAL BUILDING CODE WITH CITY OF FORT WORTH AMENDMENTS
EXISTING BUILDING:	2021 INTERNATIONAL EXISTING BUILDING CODE WITH CITY OF FORT WORTH AMENDMENTS
ACCESSIBILITY:	TEXAS ACCESSIBILITY STANDARDS 2012 EDITION
FIRE:	2021 INTERNATIONAL FIRE CODE WITH CITY OF FORT WORTH AMENDMENTS
PLUMBING:	2021 INTERNATIONAL PLUMBING CODE WITH CITY OF FORT WORTH AMENDMENTS
MECHANICAL:	2021 INTERNATIONAL MECHANICAL CODE WITH CITY OF FORT WORTH AMENDMENTS
ELECTRICAL:	2023 NATIONAL ELECTRICAL CODE WITH CITY OF FORT WORTH AMENDMENTS
ENERGY:	2015 INTERNATIONAL ENERGY CODE WITH CITY OF FORT WORTH AMENDMENTS

OCCUPANCY/CONSTRUCTION TYPE BY CODE

	OCCUPANCY		CONSTRUCTION TYPE		AUTOMATIC SPRINKLER SYSTEM
EXISTING BUILDING	IBC	NFPA	IBC	NFPA	YES
	B	HEALTHCARE	I-A	I-442	

PROJECT AREA

362 SF

LIFE SAFETY SYMBOLS

PROJECT LOCATION

NORTH

VICINITY MAP

NOT TO SCALE

INDEX OF DRAWINGS...

ARCHITECTURAL

THE FOLLOWING DRAWINGS ARE BASED ON FEATURES AND EQUIPMENT REQUIREMENTS PRESENT AT THE TIME OF THEIR PREPARATION. THE CONTRACTOR SHALL BE PREPARED TO MAKE ADJUSTMENTS IN HIS WORK TO ACCOMMODATE THE INSTALLATIONS.

X-RAY ROOM - SIEMENS YSIO X.PREE
SIEMENS PROJECT NUMBER 2415088 (LAST REVISED DATE 11-18-25)

MECHANICAL, ELECTRICAL & FIRE PROTECTION

COMM. NO.	1435
DATE	11/19/2025
DRAWN	TN
CHECKED	TT

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PRIMERA DESIGN ASSOCIATES, LLC
318 WEST MAIN STREET SUITE 103
ARLINGTON, TEXAS 76010
(817) 881-1581
TBAE FIRM # 1559
TBPE FIRM # F-10646

JPS HEALTH NETWORK

STOP SIX X-RAY REPLACEMENT

3301 STALCUP ROAD, FORT WORTH, TX 76119

GENERAL INFORMATION

1.01

FLOOR PLAN GENERAL NOTES

A. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE **A3** UNLESS NOTED OTHERWISE.
   1. PROVIDE 12" O.C. STUD SPACING AT ALL PARTITIONS WITHIN TOILET ROOMS, SHOWER ROOMS AND LOCKER ROOMS.
   2. TYPICAL STUD SPACING SHALL BE 16" O.C. UNLESS NOTED OTHERWISE.

B. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

E. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

F. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

FLOOR PLAN NOTES BY NUMBER

A1 PROVIDE AND INSTALL NEW MILLWORK.
A2 PANIC BUTTON UNDER COUNTER.
A3 EXISTING EMERGENCY OFF BUTTON.
A4 EXISTING GLOVE DISPENSER.
A5 LEAD VEST HOLDER
A6 PRIVACY CURTAIN AND TRACK
A7 PROVIDE AND INSTALL NEW COAT HOOK.
A8 PROVIDE NEW WIRE WAY TO BE FULLY RECESSED IN NEW WALL CAVITY. REFER TO OWNER SUPPLIED EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
A9 PROVIDE AND INSTALL NEW BUILT-IN BENCH WITH HINGED SEAT.
A10 SOILED HAMPER TO BE STORED WITHIN NEW MILLWOK.
A11 RELOCATED ELECTRICAL DEVICES.
A12 PROVIDE NEW VCT-1 FLOORING AND RB-1 BASE AT ENTIRE ROOM.
A13 PAINT ENTIRE ROOM PNT-2.

TECHNOLOGY SYMBOLS LEGEND

NOTE THAT ALL SYMBOLS WITH (E) ARE EXISTING TO REMAIN; ALL SYMBOLS WITH XX" ARE TO BE INSTALLED AT THAT INDICATED HEIGHT ABOVE FINISHED FLOOR.

TELEPHONE AND DATA OUTLET	OUTLET, INSTALL AT HEIGHT INDICATED AFF. (84")
EXISTING TELEPHONE AND DATA OUTLET (E)	QUADRUPLEX OUTLET
WAP WI-FI ACCESS POINT	EXISTING QUADRUPLEX OUTLET (E)
WALL CLOCK	GFI OUTLET (GFI)
THERMOSTAT	EO EMERGENCY POWER OFF
EXISTING THERMOSTAT (E)	EF EQUIPMENT FEED
LIGHT SWITCH	JUNCTION BOX
3 WAY LIGHT SWITCH (3)	DUPLEX OUTLET
LIGHT DIMMER (D)	OUTLET ABOVE COUNTER (*)
EXISTING LIGHT SWITCH (E)	EXISTING DUPLEX OUTLET (E)
SPECIALTY OUTLET	

INTERIOR COLOR SCHEDULE

MARK:	TYPE:	MANUFACTURER:	NUMBER :	COLOR:	SIZE:	COMMENTS:	CONTACT:
FLOORING							
VCT-1	VCT	ARMSTRONG	51804	EARTHSTONE GREIGE	--	--	--
WALL BASE							
RB-1	RESILIENT BASE	ROPPE	--	FAWN	4" HIGH	STANDARD TOE KICK BASE	--
WALL FINISHES							
PNT-2	PAINT	SHERWIN WILLIAMS	SW 6106	KILIM BEIGE	--	--	WWW.SHERWIN-WILLIAMS.COM
WALL PROTECTION							
CG-3	END WALL PROTECTION	INPRO	150D HIGH IMPACT END	KHAKI BROWN 0118	3" x 3" x FULL HEIGHT	PROVIDE CG-3 IN LOCATIONS AT END WALL CONDITIONS. MATCH RUBBER BASE	--
CEILING							
APC-1	ACOUSTICAL TILE, TEGULAR EDGE	ARMSTRONG	FINE FISSUED 1728A	WHITE	24" x 24" x 7/8" THICK	XL; WHITE GRID: 15/16" PRELUDE WHITE GRID.	--
MILLWORK							
VERTICAL MILLWORK (SPLASH GUARD & TRIM WHERE APPLICABLE)							
PL-1	PLASTIC LAMINATE	WILSONART	TYPE 107	SHAKER CHERRY 7935-60	--	MILLWORK	--
HORIZONTAL MILLWORK / SURFACES (COUNTERTOPS, ETC.)							
SPF-1	SOLID SURFACE	CORIAN DUPONT	--	ARTIC ICE	1/2" THICK	COUNTERTOPS	--
DOOR FINISH							
PNT-3	FRAME PAINT	SHERWIN WILLIAMS	SW 6107	NOMATIC DESERT	--	--	--

INTERIOR COLOR SCHEDULE NOTES

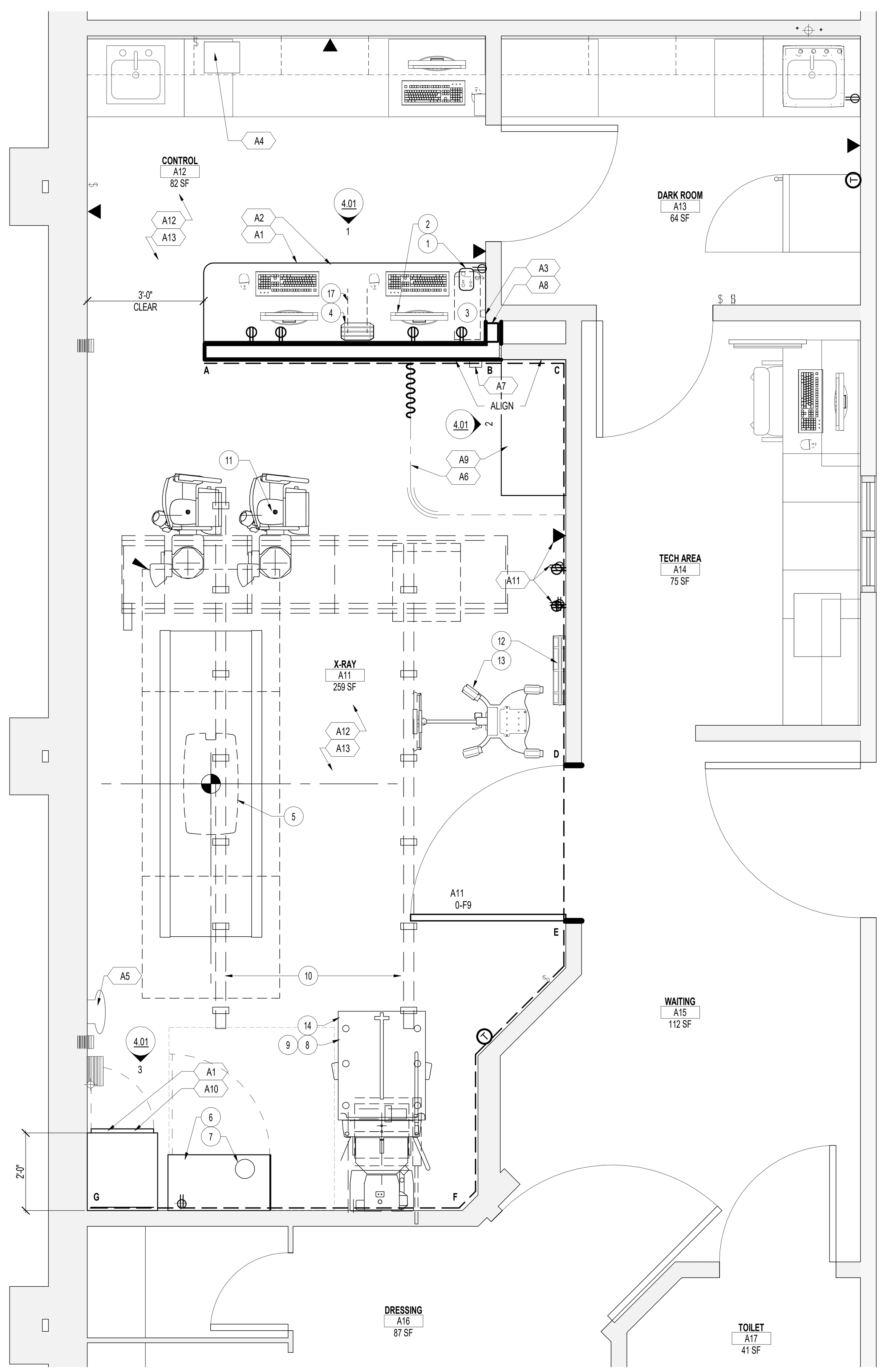
1. REFER TO FLOOR AND BASE FINISH PLANS FOR MORE INFORMATION.
2. REFER TO WALL FINISH PLANS FOR MORE INFORMATION.

GENERAL PAINTING NOTES

1. PAINT ALL INTERIOR PRIMED STRUCTURAL ITEMS EXPOSED TO VIEW.
2. PAINT ALL EXTERIOR STRUCTURAL STEEL ELEMENTS, INCLUDING IN CRAWL SPACES AND VENTED SPACES.
3. PAINT ALL UNFINISHED SURFACES EXPOSED TO VIEW NOT SCHEDULED TO RECEIVE ANY OTHER FINISH UNLESS NOTED OTHERWISE.
4. IN ROOMS WITHOUT FINISHED CEILINGS, PAINT ALL EXPOSED ELEMENTS SUCH AS STRUCTURE, CONDUITS, PIPING, HVAC DUCTWORK, ETC.
5. PAINT ALL SIDES OF FURR-DOWNS AND SOFFITS. PAINT ALL SOFFIT FACES SAME AS SOFFIT BOTTOM.
6. PAINT ALL SIDES OF HOLLOW METAL DOORS & FRAMES.
7. COMPLETE COVERAGE OF ALL EXPOSED SURFACES IS INTENDED UNLESS SPECIFICALLY NOTED NOT TO BE PAINTED. DO NOT PAINT THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
   A. FACTORY-FINISHED MATERIALS AND EQUIPMENT.
   B. NON-FERROUS METALS, EXCEPT FOR ITEMS INDICATED TO BE PAINTED.
   C. MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR OR FAN SHAFTS.
   D. CODE REQUIRED LABELS SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, INSTRUCTIONS, NAME OR NOMENCLATURE PLATES.
   E. DUCT SHAFTS, CONCEALED SPACES, AND CONCEALED PIPES AND DUCTS.
   F. ACOUSTICAL TILE AND SUSPENSION SYSTEM, UNLESS NOTED OTHERWISE.
   G. CONCRETE FLOORS.
   H. STRUCTURAL STEEL WORK CONCEALED BY INTERIOR BUILDING FINISHES.
   I. PLASTIC LAMINATE OR SOLID POLYMER.
   J. SYNTHETIC STUCCO.
   K. PREFINISHED ALUMINUM FRAMES.
   L. GLASS.
   M. EXPOSED WIRING, INCLUDING TELECOM WIRING.
8. ALL GYPSUM BOARD WALLS AND CEILINGS ARE TO BE LEVEL 4 FINISH UNLESS NOTED OTHERWISE. ALL GYPSUM BOARD SURFACES ARE TO RECEIVE LIGHT ORANGE PEEL TEXTURE AS APPROVED BY OWNER.
9. WHERE PAINT IS APPLIED OR TOUCHED UP, PAINT ENTIRE WALL OR SURFACE FROM CORNER TO CORNER. SPOT FINISHING IS NOT ACCEPTED.
10. INTERIOR PAINT SHEEN
   A. PAINTED WALLS AND CEILINGS ARE TO BE PAINTED IN EGGSHELL SHEEN UNLESS NOTED OTHERWISE.
   B. PAINTED METALS, INCLUDING STRUCTURAL ELEMENTS TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.
   C. PAINTED DOORS, FRAMES, AND TRIM TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES) W	D	H	REMARKS
1	CONTROL MODULE	CRM	2	–	4 3/4	10	2 3/4	ON CUSTOMER'S COUNTER
2	LED TOUCHSCREEN MONITOR	–	18	205	22 1/2	8 5/8	15 1/4	ON CUSTOMER'S COUNTER
3	IMAGING SYSTEM CONTAINER (UNDER COUNTER)	IS	15	1,468	8	21	15	UNDER CUSTOMER'S COUNTER
4	CHARGING STATION FOR MAX DETECTORS	–	4	–	12 1/2	6 3/4	2	ON CUSTOMER'S COUNTER
5	YSIO XPREE TABLE WITH MOBILE DETECTOR WITH FLAT TABLE TOP	T1	970	2,560	94 13/16	31 1/2	***	***20 1/4" TO 37 9/16"
6	POLYDOROS R80-2 (80 kW) GENERATOR CABINET	PU	944	2,048**	31 1/2	17 1/8	86 3/4	**DURING OPERATION, 1,195 IN STANDBY MODE
7	ACCESS POINT (TOP OF GENERATOR)	AP	1	–	5	6 3/8 *	1	* = INCLUDING ANTENNAE
8	YSIO XPREE WALL STAND WITH FIXED DETECTOR (RIGHT LOADING GRID)	WS	496	751	30	35*A	83	*A – MAX. IN HORIZONTAL POSITION
9	5M CABLE EXTENSION – GENERATOR TO WALL STAND	–	–	–	–	–	–	5M CABLE EXTENSION "PU" TO "WS"
10	4.25M CEILING RAILS FOR X-RAY TUBE SUSPENSION	–	59	–	167 3/8	3	4	SIZE AND WEIGHT PER RAIL
11	3M YSIO XPREE BRIDGE & X-RAY TUBE STAND	TS	772	853	119 1/4	39	*43	*TUBE CARRIAGE IN PARK POSITION
12	GRID HOLDER (WALL MOUNTED)	–	22	–	21 11/16	4	16 9/16	LOCATED AND INSTALLED BY CUSTOMER/CONTRACTOR
13	MOBILE DETECTOR HOLDER ON WHEELS	–	121	–	24 1/2	40 3/16	70 1/2	ROLL AROUND LATERAL HOLDER
14	MULTIPURPOSE STAND (FOR ORTHO OPTION)	–	200	–	27	36	78	FOR ORTHO OPTION
15	EATON UPS 5P 850G FOR IMAGING SYSTEM ONLY	UP	22	135	6	13 5/8	9 1/4	LOCATED WITH CONTROL EQUIPMENT



1 ENLARGED FLOOR PLAN
1/2" = 1'-0"
NORTH

RADIATION PROTECTION SCHEDULE AT X-RAY ROOM #A11 PER OWNER PROVIDED SHIELDING REPORT DATED 08-28-25

(REFER TO 1 / 2.00)

BARRIER	MINIMUM THICKNESS OF RADIATION SHIELDING REQUIRED	NOTE
A TO B	1/32" LEAD	
B TO C	1/32" LEAD	1
C TO D	1/32" LEAD	1
D TO E	NONE	2
E TO F	1/32" LEAD	1
F TO G	1/32" LEAD	1
CEILING	NONE	3

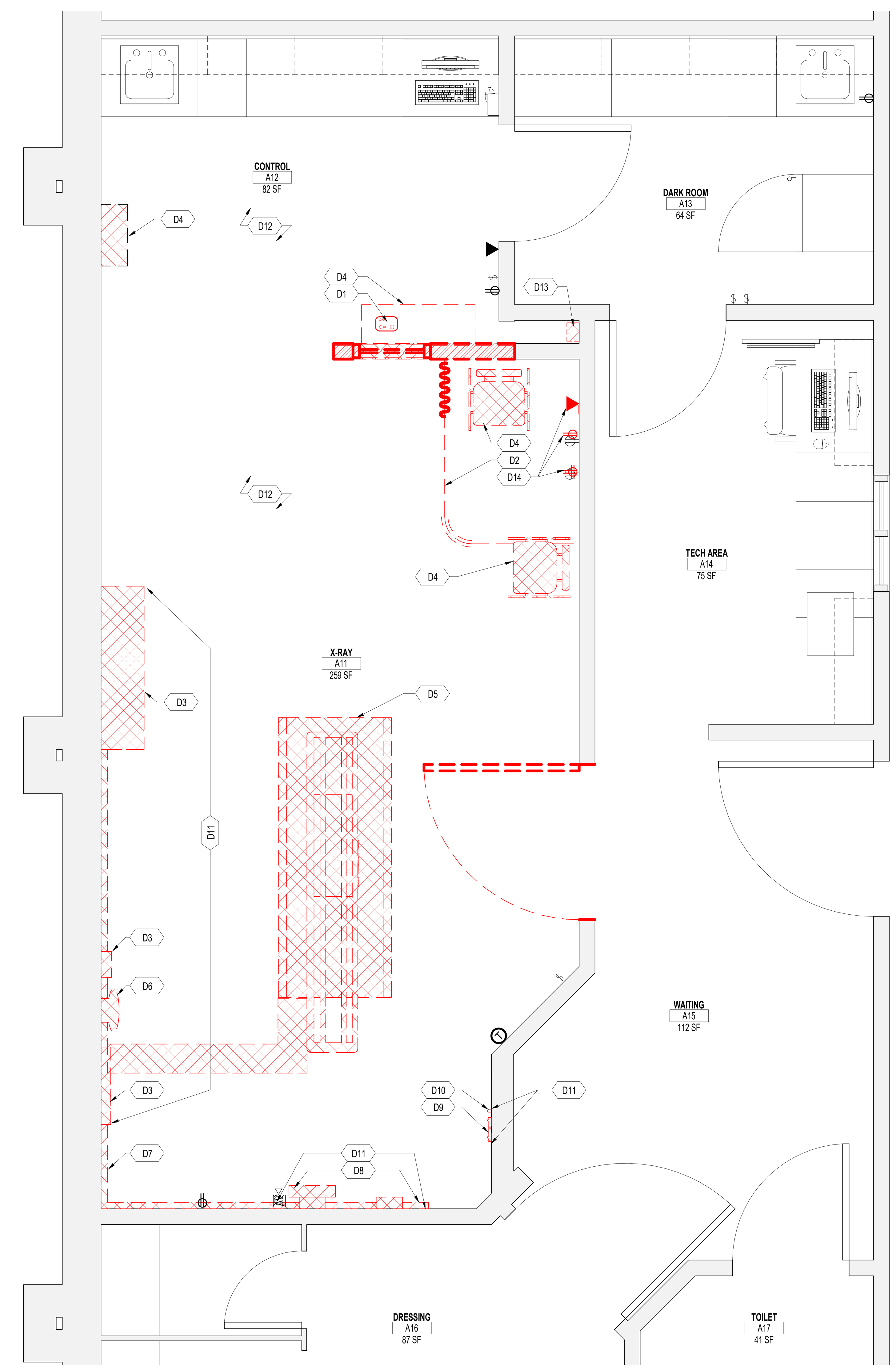
LETTERS ON CHART ABOVE CORRESPOND TO CORNERS OF THE ROOM AND ARE SHOWN ON THE PLAN.

ANY VIEW WINDOW TO ROOM WILL REQUIRE THE SAME LEAD EQUIVALENT AS THE WALL OR DOOR IN WHICH IT IS LOCATED.

LEAD SHIELDING MUST EXTEND FROM FLOOR TO A MINIMUM HEIGHT OF 7'-0" ABOVE FINISHED FLOOR.

NOTES:

1. EXISTING LEAD THICKNESS. V.I.F.
2. NO LEAD REQUIRED AT DOOR. REPLACE WITH TYPICAL.
3. NO LEAD REQUIRED.



2 DEMOLITION FLOOR PLAN
1/2" = 1'-0"
NORTH

DEMOLITION FLOOR PLAN NOTES BY NUMBER (D#)

D1 REMOVE EXISTING EQUIPMENT.
D2 REMOVE EXISTING CEILING MOUNTED CURTAIN AND ASSOCIATED TRACK.
D3 EXISTING EQUIPMENT TO BE REMOVED BY EQUIPMENT MANUFACTURER.
D4 EXISTING FURNITURE TO BE REMOVED.
D5 REMOVE EXISTING XRAY MACHINE.
D6 REMOVE EXISTING WALL MOUNTED HANGER.
D7 WALL MOUNTED CHASE TO BE DEMOLISHED
D8 REMOVE EXISTING STANDING XRAY EQUIPMENT.
D9 REMOVE EXISTING WALL MOUNTED CUSHION.
D10 REMOVE EXISTING EMERGENCY STOP BUTTON.
D11 PATCH, TAPE, BED, AND TEXTURE WALLS WHERE WALL, MILLWORK, OR WALL MOUNT ITEMS/EQUIPMENT WERE REMOVED.
D12 EXISTING BASE AND FLOORING TO BE REMOVED. CLEAN AND PREPARE FLOOR AS REQUIRED TO INSTALL NEW FLOORING. ENSURE EXISTING SLAB IS LEVEL WITHIN 1/8" IN 10'-0". SEE GENERAL DEMOLITION NOTES FOR MORE INFORMATION.
D13 REMOVE EXISTING WIREWAY.
D14 EXISTING ELECTRICAL DEVICES TO BE RELOCATED.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED

DEMOLITION FLOOR PLAN GENERAL NOTES:

A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.

B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

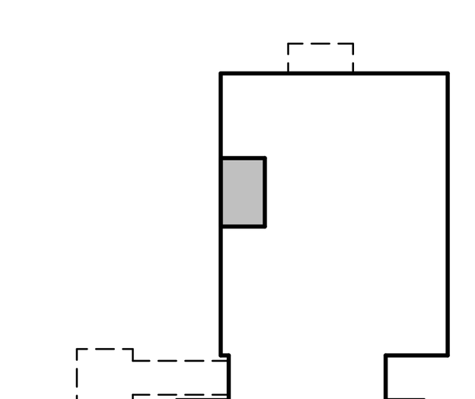
E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.

F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.

G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.

H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL).

I. REMOVE EXISTING GYPSUM BOARD WHERE REQUIRED TO MEET RADIATION PROTECTION SCHEDULE (IF APPLICABLE).



KEY PLAN
NTS

COMM. NO. 1435
DATE 11/19/2025
DRAWN WR
CHECKED TT

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

JPS Stop 6 Clinic Radiology 100%CD
REGISTERED ARCHITECT THOMAS R. MCCARTY 26981 STATE OF TEXAS
11-19-25

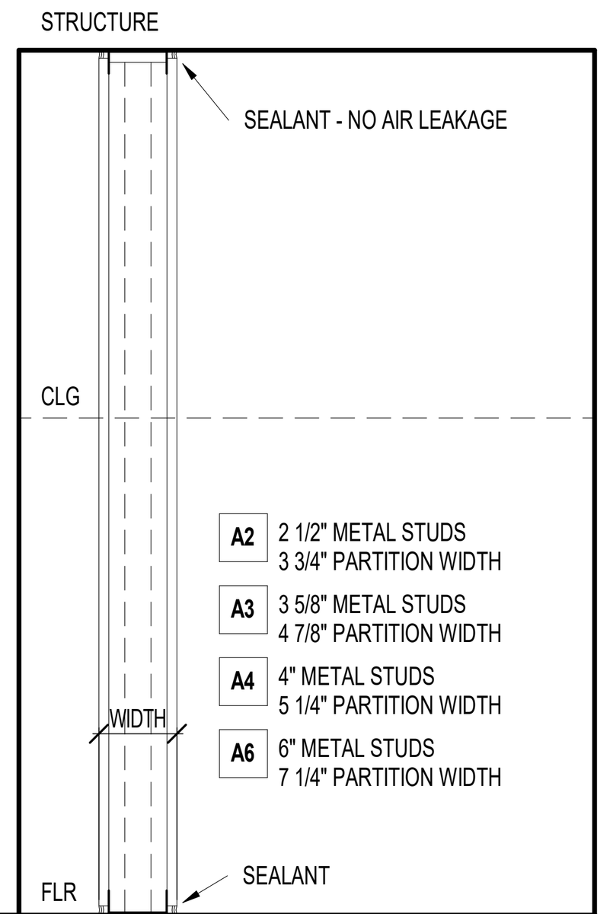
PRIMERA DESIGN ASSOCIATES, LLC.
318 WEST MAIN STREET, SUITE 103
ARLINGTON, TEXAS 76010
(817) 881-1581
TBAE FIRM # 1559
TBPE FIRM # F-15646
Primero Design Associates

JPS HEALTH NETWORK
STOP SIX X-RAY REPLACEMENT
3301 STALCUP ROAD, FORT WORTH, TX 76119

OVERALL FLOOR PLAN
2.00

11/19/2025 11:32:18 AM

PARTITION TYPES



PARTITION
5/8" GYPSUM BOARD EACH SIDE OF METAL STUDS

REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED WALLS

PLAN GRAPHICS

NON-RATED SMOKE RESISTANT
STC: 40 (49 W/ 3" SAB)

1-HOUR FIRE RATED
STC: 40 (49 W/ 3" SAB)
UL# 419

1-HOUR FIRE / SMOKE RATED
STC: 40 (49 W/ 3" SAB)
UL# 419

A

PARTITION NOTES

A. ALL NON-LOAD BEARING INTERIOR PARTITIONS NOT DESIGNATED WITH A GRAPHIC TAG ARE SCHEDULED BY DEFAULT. SEE FLOOR PLAN GENERAL NOTES. IF UNCLEAR, CONTACT ARCHITECT.
   1. PROVIDE 12" O.C. STUD SPACING AT ALL PARTITIONS WITHIN TOILET ROOMS, SHOWER ROOMS AND LOCKER ROOMS.
   2. TYPICAL STUD SPACING SHALL BE 16" O.C. UNLESS NOTED OTHERWISE.

B. RATED PARTITIONS
   a. *REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF SMOKE AND / OR FIRE RATED PARTITIONS. REFER TO WALL PRIORITY LEGEND FOR CONDITIONS WHERE FIRE RATED PARTITIONS INTERSECT OTHER PARTITIONS.*
      1. LOWER PRIORITY WALLS SHALL ABUT AND BE SEALED TO HIGHER PRIORITY WALLS, BUT SHALL NOT INTERRUPT CONTINUITY OF THE HIGHER PRIORITY WALL.
   b. *ALL FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO CONTINUE THROUGH ALL OPENINGS AND PENETRATIONS IN RATED PARTITIONS.*
   c. *ALL SMOKE AND FIRE RESISTANT BARRIER RATINGS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, SLAB BELOW AND UNDERSIDE OF DECK ABOVE; INCLUDING EXTENSION THROUGH SOFFITS.*
   d. *FIRE RATED PARTITIONS TO HAVE FIRESTOPPING SEALANT SYSTEMS INSTALLED AT HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS, ETC., AND AROUND ALL PENETRATIONS AND OPENINGS.*
   e. *IDENTIFY ALL RATED PARTITIONS WITH LABELS 6 INCHES ABOVE THE CEILING OR 10 FEET MAX. ABOVE THE FLOOR IF NO CEILING. USE 1 1/2" HIGH LETTERS, CLEARLY LEGIBLE & READABLE AGAINST A CONTRASTING BACKGROUND.*
   f. *TERMINATE RATED PARTITIONS AT THE UNDERSIDE OF STRUCTURAL DECK IN ORDER TO MAINTAIN RATING. PROVIDE APPROPRIATE DRYWALL FRAMING TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS SUCH AS PIPING, STRUCTURAL MEMBERS OR DUCT WORK.*
      1. PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A FIRE RATING GREATER THAN OR EQUAL TO THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO THE STRUCTURAL DECK ABOVE.
   g. *WHERE UL CONSTRUCTION REFERENCE NUMBERS ARE PROVIDED AT RATED WALLS AND PENETRATIONS, CONTRACTOR SHALL BE RESPONSIBLE TO BUILD WALL TO EXACT REQUIREMENTS AS DESCRIBED BY UNDERWRITER'S LABORATORY.*

C. NON-RATED PARTITIONS
   a. *NON-RATED PARTITIONS TO HAVE ACOUSTICAL SEALANT INSTALLED AT HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS, ETC., AND AROUND ALL PENETRATIONS AND OPENINGS.*
   b. *NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A SMOKE, NOISE OR SIMILAR TYPE OF BARRIER.*

D. INTERIOR WALL STUDS: C-SHAPED WITH SERRATED FACES. GAUGE TO BE PER SSMA, LIMITING WALL HEIGHT TABLE - NON COMPOSITE, COMFORMING TO:
   a. 5 PSF, L/240 FOR APPROPRIATE LENGTHS. SIZE AS INDICATED ON THE DRAWINGS.
   b. INTERIOR METAL STUD/GYPSUM BOARD ASSEMBLIES AT LOBBIES, SERVICE CORRIDORS, EXIT CORRIDORS, AND VERTICAL SHAFTS: WITHSTAND LATERAL LOADING (AIR PRESSURE) OF 7.5 PSF WITH DEFLECTION LIMIT NOT MORE THAN L/360 OF PARTITION HEIGHT.
   c. INTERIOR METAL STUD/GYPSUM BOARD ASSEMBLIES AT LOCATIONS WITH CERAMIC TILE OR OTHER HARD SURFACES FINISHES: WITHSTAND TYPICAL LATERAL LOADING (AIR PRESSURE) WITH DEFLECTION LIMIT NOT MORE THAN L/360 OF PARTITION HEIGHT.

E. INTERIOR WALL TRACK:
   a. *20-GAUGE (MIN. UNCOATED THICKNESS, 0.0312")*
   b. *BOTTOM TRACK TO BE MINIMUM 1-1/4" UNLESS NOTED OTHERWISE.*
   c. *BOTTOM TRACK TO BE 4" LEG AT CORRIDORS.*
   d. *SLOTTED TOP TRACK: SLIPTRACK SYSTEM, SLP-TRK, 16 GAUGE, 2 1/2" DOWN-STANDING LEGS WITH 1/4" WIDE BY 1 1/2" HIGH SLOTS SPACED AT 1" ON CENTERS.*

F. PROVIDE SOUND BATTS IN ALL INTERIOR FRAMED PARTITIONS WHERE INDICATED. REFER TO REFLECTED CEILING PLAN.

G. SEAL ALL PENETRATIONS FOR PIPES, CONDUIT, DUCTWORK, ETC. WITH NON-HARDENING, NON-SHRINK ACOUSTICAL SEALANT, UNLESS NOTED OTHERWISE. EXCEPTION: USE FIRESTOP SYSTEMS WITH FLEXIBLE FIRE RESISTIVE JOINT SEALANTS AT FIRE RATED PARTITIONS.

H. FURR OUT ALL COLUMNS TO MINIMUM ALLOWABLE DIMENSION. NOTIFY ARCHITECT OF ANY CONFLICT BETWEEN EXISTING CONDITION AND DESIGN INTENT.

I. SEALANTS INDICATED MAY BE FOR FIRE RATING, SMOKE RATING, AIR PRESSURE CONTAINMENT, ACOUSTIC RATING, VERMIN CONTROL, MOVEMENT CONTROL AND OR BIOLOGICAL CONTAINMENT. SEALANT JOINTS ARE TO BE SIZED FOR EXPECTED MOVEMENT OF JOINT WITH EXPANSION/CONTRACTION CAPACITY OF SEALANT MATERIAL TO MAINTAIN THE INTEGRITY OF THE SEAL FOR THESE APPLICABLE PARAMETERS.

J. BRACE ALL PARTITIONS NOT EXTENDING TO STRUCTURE ABOVE.

K. PROVIDE BLOCKING INSIDE PARTITIONS FOR SECURING ALL WALL HUNG CABINETRY, SHELVING, TRIM, MILLWORK, AND OTHER ELEMENTS ATTACHED TO PARTITIONS AS REQUIRED TO ENSURE FLUSH, STRAIGHT, AND WELL-SECURED CONDITIONS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY STUDS.

L. REFER TO OTHER SCHEDULES AND DETAILS FOR INTERIOR FINISHES. PARTITION TYPES SHOWN ON THIS SHEET REFER TO BASE WALL ONLY.

M. INTERIOR PARTITIONS ARE DIMENSIONED FROM FACE TO FACE OF BASE PARTITION, UNLESS NOTED OTHERWISE.

N. FOR PARTITIONS THAT EXTEND TO STRUCTURE, THE "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS.

O. WHERE WALL MOUNTED EQUIPMENT, WOODWORK, AND CASEWORK ITEMS ARE INDICATED OR ELSEWHERE AS SHOWN ON DRAWINGS, PROVIDE MINIMUM 16 GAUGE STUDS.

CONTROL JOINTS IN GYPSUM BOARD

1. INSTALL CONTROL JOINTS NOT TO EXCEED 30'-0" O.C. CONSISTENT WITH LINES OF BUILDING SPACES AS DIRECTED BY THE ARCHITECT.
2. IF THE WALLS ARE ON A SLAB ON GRADE AND THEREFORE SUBJECT TO SOME MOVEMENT, INSTALL VERTICAL CONTROL JOINTS IN WALL FROM TOP OF DOOR FRAMES AND WINDOWS TO ABOVE CEILING AND FROM BOTTOM CORNERS OF WINDOWS TO THE FLOOR.

GYPSUM BOARD SCHEDULE

5/8" TYPE "X" GYPSUM BOARD	ALL PARTITIONS, UNO, OR NOTED OTHERWISE ON DRAWINGS. USE ABUSE RESISTANT WHERE INDICATED ON PLANS.
5/8" MOLD, WATER, ABUSE & FIRE RESISTANT (MWFA) GYPSUM BOARD	PRIORITY 1: PROVIDE BEHIND ALL WET WALL PARTITIONS W/ PLUMBING FIXTURES (WATER CLOSETS, URINALS, LAVATORIES, EWC'S, ETC) TO A HEIGHT OF 4' AFF AND 8' WIDE (CENTER ON FIXTURE)
5/8" FIBER CEMENT OR GP DENS SHIELD	PRIORITY 1: PARTITIONS EXPOSED DIRECTLY TO RUNNING WATER. EXAMPLES: SHOWERS, CART WASH, HYDROTHERAPY, GROOMING TUBS PRIORITY 2: USE AT ALL TOILET ROOMS, CLEANING EQUIPMENT ROOMS, HOUSEKEEPING ROOMS, JANITOR CLOSETS, OPERATING ROOM'S, CATH LABS, ENDOSCOPY, TRAUMA, DECONTAM, AND SOILED UTILITY ROOMS. NOTE THAT PRIORITY 1 BOARDS TAKE PRECEDENT.

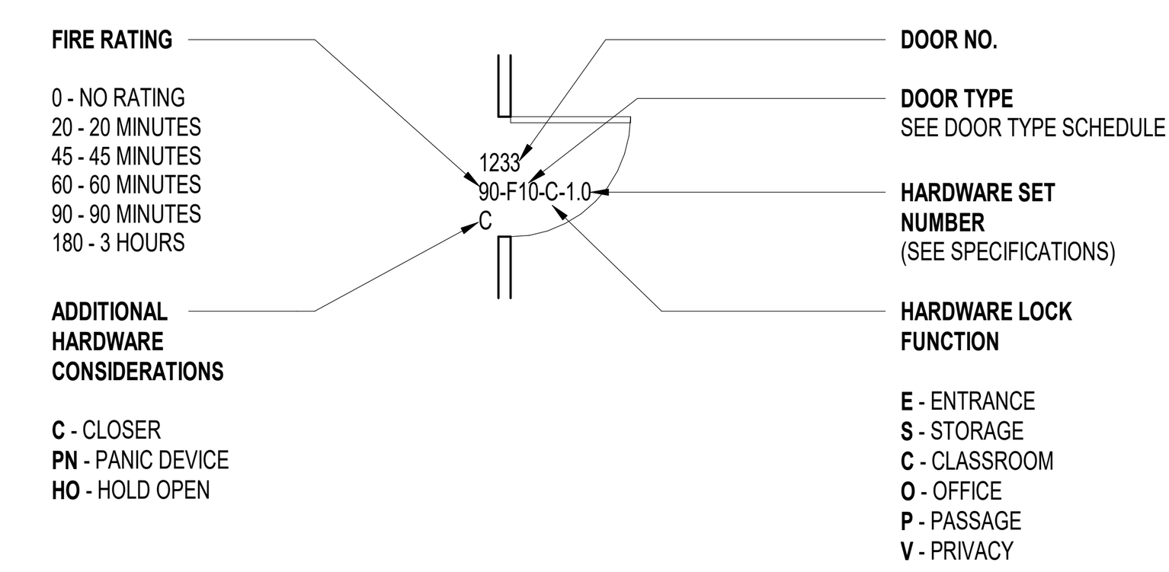
DOOR GENERAL NOTES

A. TYPICAL DOOR DETAILS ARE SHOWN ON THIS SHEET. SEE FLOOR PLANS FOR SPECIALIZED PLAN DETAIL REFERENCES FOR ATYPICAL CONDITIONS.
B. DOOR FRAME THROAT DIMENSIONS: REFER TO FLOOR PLANS FOR THE APPLICABLE PARTITION TYPE.
C. ALL WOOD DOORS TO BE TRANSPARENT FINISH UNLESS NOTED OTHERWISE.

DOOR TYPES SCHEDULE

DOOR TYPE	DOORS				FRAME			REMARKS
	WIDTH	HEIGHT	MATERIAL	GLASS	ELEVATION	MATERIAL	GLASS	
F9	4' - 0"	7' - 0"	WOOD			STEEL		

EXAMPLE OF DOOR INFORMATION ON FLOOR PLANS



DOOR TYPES SCHEDULE NOTES AND LEGEND

1) WITH THIS DOOR SCHEDULING SYSTEM, EACH AND EVERY DOOR IS NOT SCHEDULED INDIVIDUALLY.

2) ALL DOORS WITH THE SAME CHARACTERISTICS ARE ASSIGNED THE SAME DOOR TYPE. THAT IS THEY ARE THE SAME SIZE, SAME MATERIAL, AND FRAME MATERIAL.

3) ALL DOORS TO BE INSTALLED IN A TYPICAL STANDARD DOOR FRAME OF THE MATERIAL SCHEDULED IN THE DOOR TYPES SCHEDULE. IF DOOR HAS A SIDELITE, A TRANSFORM GLASS, OR IN A WALL OF GLASS, THE FRAME TYPE WILL BE SHOWN ON THE FLOOR PLAN. THE FRAME MATERIALS MAY BE ONE OF THE FOLLOWING AS SHOWN ON THE FLOOR PLAN(S).

S-1 HOLLOW METAL DOOR/WINDOW FRAME TYPE

OTHER

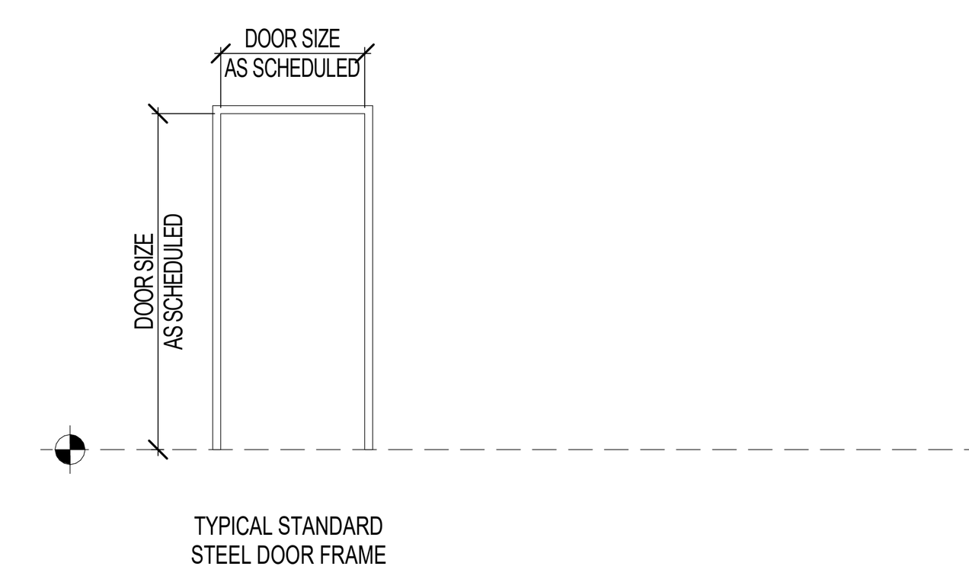
DOOR FRAME MATERIAL / TYPE (ABBREVIATIONS IN PARENTHESES)
HOLLOW METAL
WOOD
ALUMINUM

DOOR MATERIAL / TYPE (ABBREVIATIONS IN PARENTHESES)
HOLLOW METAL
WOOD
ALUMINUM & GLASS - (AL/GL)

FOR NOTE BY NUMBERS REFER TO SHEET 2.00

MILLWORK NOTES

A. CABINET SECTIONS SHOWN ON THIS SHEET ILLUSTRATE TYPICAL CONSTRUCTION AND NOT EVERY DOOR AND / OR DRAWER VARIATION IS SHOWN.
B. ALL CABINETRY IS PLASTIC LAMINATE CLAD, U.N.O. THE INTENT IS FOR ALL THE SURFACES TO BE COVERED WITH PLASTIC LAMINATE INCLUDING BUT NOT LIMITED TO THE UNDERSIDE OF TOE SPACES, UNDERSIDE OF PLASTIC LAMINATE COUNTERTOPS AS A "BALANCE SHEET", UNDERSIDE OF APRONS, UNDERSIDE OF COUNTERTOP EDGES.
C. ALL COUNTERTOPS ARE SOLID SURFACE, U.N.O.
D. AT SOLID SURFACE EASE ALL EDGES TO APPROXIMATE 1/8" RADIUS, U.N.O.
E. PROVIDE TRIM & FILLER PANELS AS REQUIRED WHERE EQUIPMENT IS LOCATED WITHIN CABINET UNITS.
F. AT THE BOTTOM OF UPPER CABINET UNITS, ALLOW FOR CONTINUOUS RUNS OF UNDERCOUNTER LIGHTS. SEE ALSO ELECTRICAL DRAWINGS.
G. PROVIDE END SPLASHES WHERE COUNTERTOPS ABUT WALLS AT ENDS OF COUNTERS, U.N.O.
H. FILE DRAWERS ARE NOTED ON ELEVATIONS.
I. PROVIDE COUNTERTOP METAL BRACKET SUPPORTS AT 36" O.C. MAX. @ KNEESPACES & LAVATORY COUNTERS, U.N.O. AT COUNTERS THAT ARE OPEN ON THE ENDS WITH NO BASE CABINET, OR END PANELS TO SUPPORT THE COUNTER, THEN PROVIDE METAL BRACKET FOR SUPPORT.
   a. 25"+ DEEP COUNTERTOPS - GAMBAS MODEL G 18-24 C WP BX WORKSTATION BRACKETS - WWW.GAMBASBRACKETS.COM
   b. 16"-24" DEEP COUNTERTOPS - GAMBAS MODEL G 15-15 C WP BX WORKSTATION BRACKETS - WWW.GAMBASBRACKETS.COM
J. PROVIDE 2" DIAMETER BLACK GROMMETS AT BACK OF COUNTERTOPS - 1 PER 30" OF KNEESPACE WIDTH. LOCATE IN FIELD WITH OWNER.
K. PAINT OR SEAL ALL WOOD, PLYWOOD, OR MDF BUCKS, CLEATS, SUPPORTS, BRACES, ETC., AT KNEESPACES. I.E., NO UNFINISHED WOOD PRODUCT SURFACES OR EDGES.
L. WHERE MILLWORK IS TO FIT IN BETWEEN TWO WALLS AND A WALL TO WALL DIMENSION IS SHOWN, IT IS AT FACE OF PARTITION TO FACE OF PARTITION WITHOUT ANY APPLIED FINISH SUCH AS WALL TILE. HOWEVER, THESE CONDITIONS MUST BE FIELD MEASURED BEFORE FABRICATION OF MILLWORK.

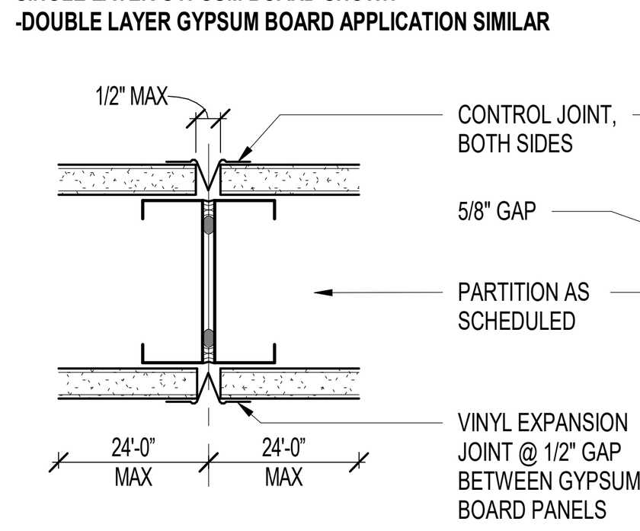


HOLLOW METAL DOOR AND WINDOW FRAME TYPES

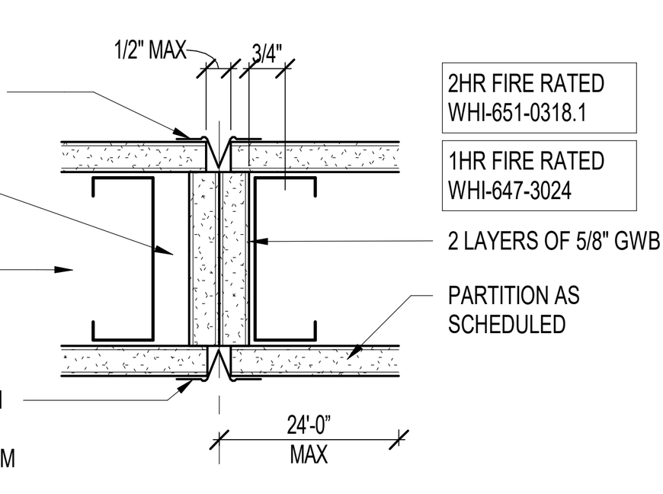
REFER TO GLASS SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION (IF APPLICABLE).

TYPICAL CONTROL JOINTS

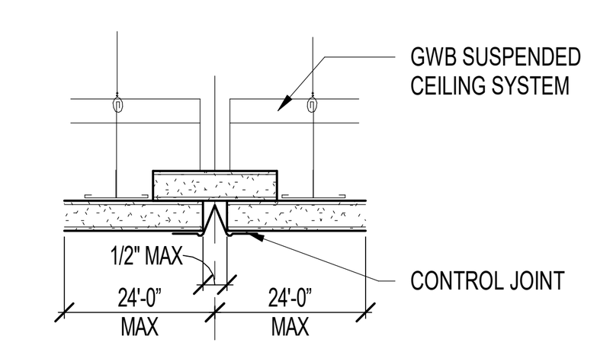
SINGLE LAYER GYPSUM BOARD SHOWN
-DOUBLE LAYER GYPSUM BOARD APPLICATION SIMILAR



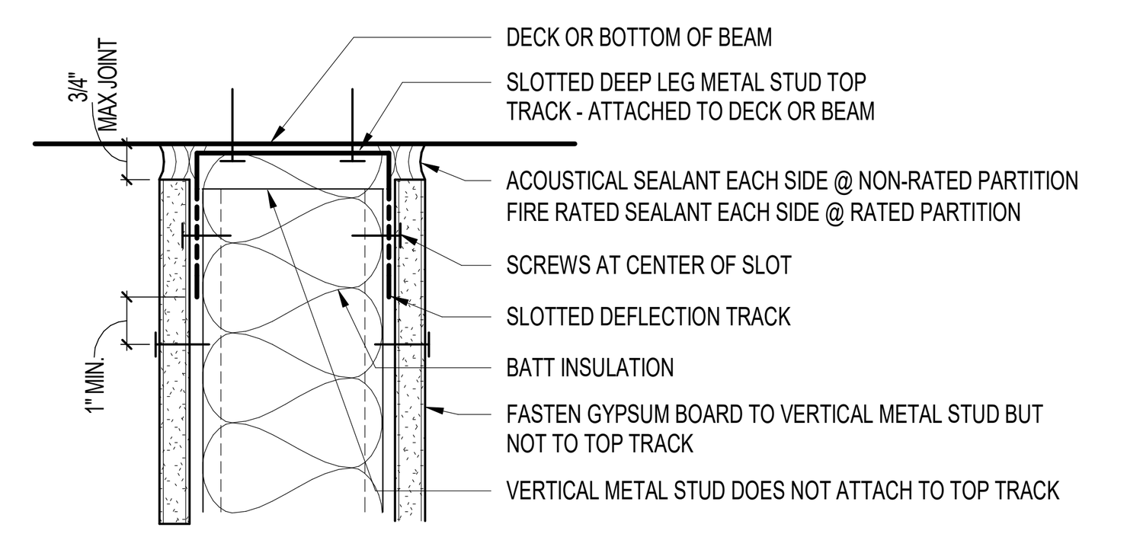
CONTROL JOINT IN NON-RATED PARTITIONS



CONTROL JOINT IN FIRE RATED PARTITIONS



CONTROL JOINT IN GYPSUM BOARD CEILING

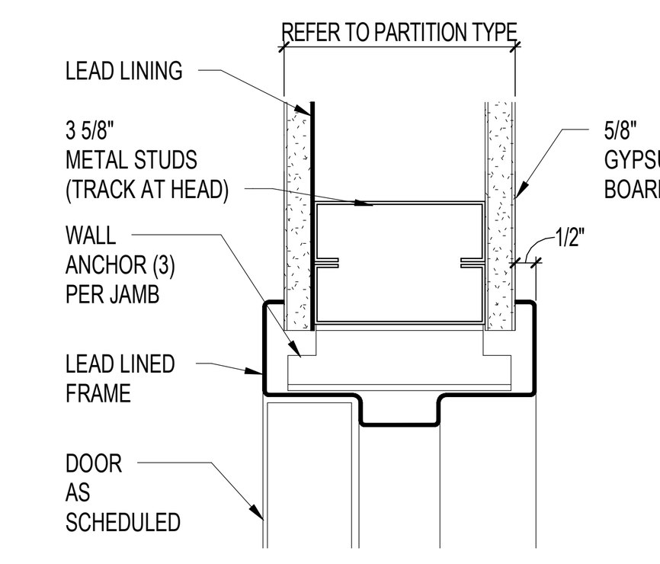


NOTE: PARTITIONS WITH ADDITIONAL LAYERS OF GYPSUM BOARD ARE DETAILED SIMILARLY

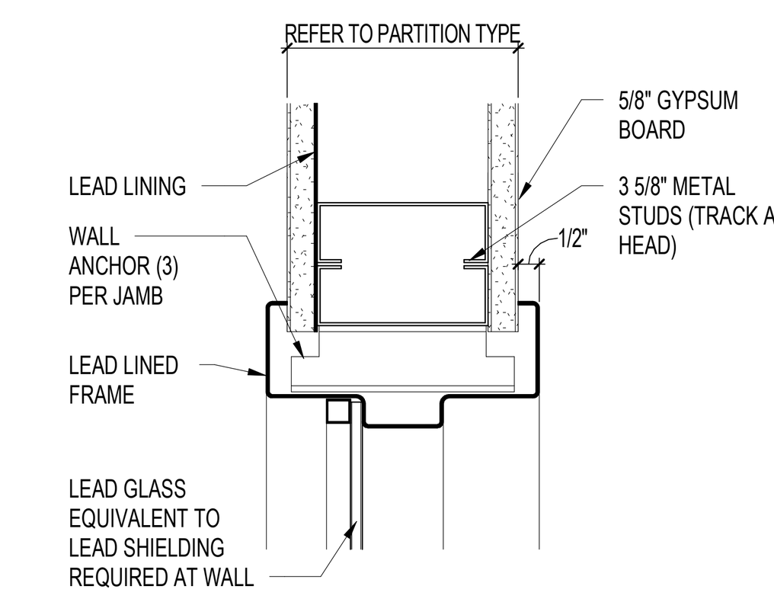
TERMINATE ALL METAL STUD PARTITIONS EXTENDING TO THE STRUCTURAL DECK ABOVE W/ DEFLECTION TRACKS.

DEFLECTION TRACK

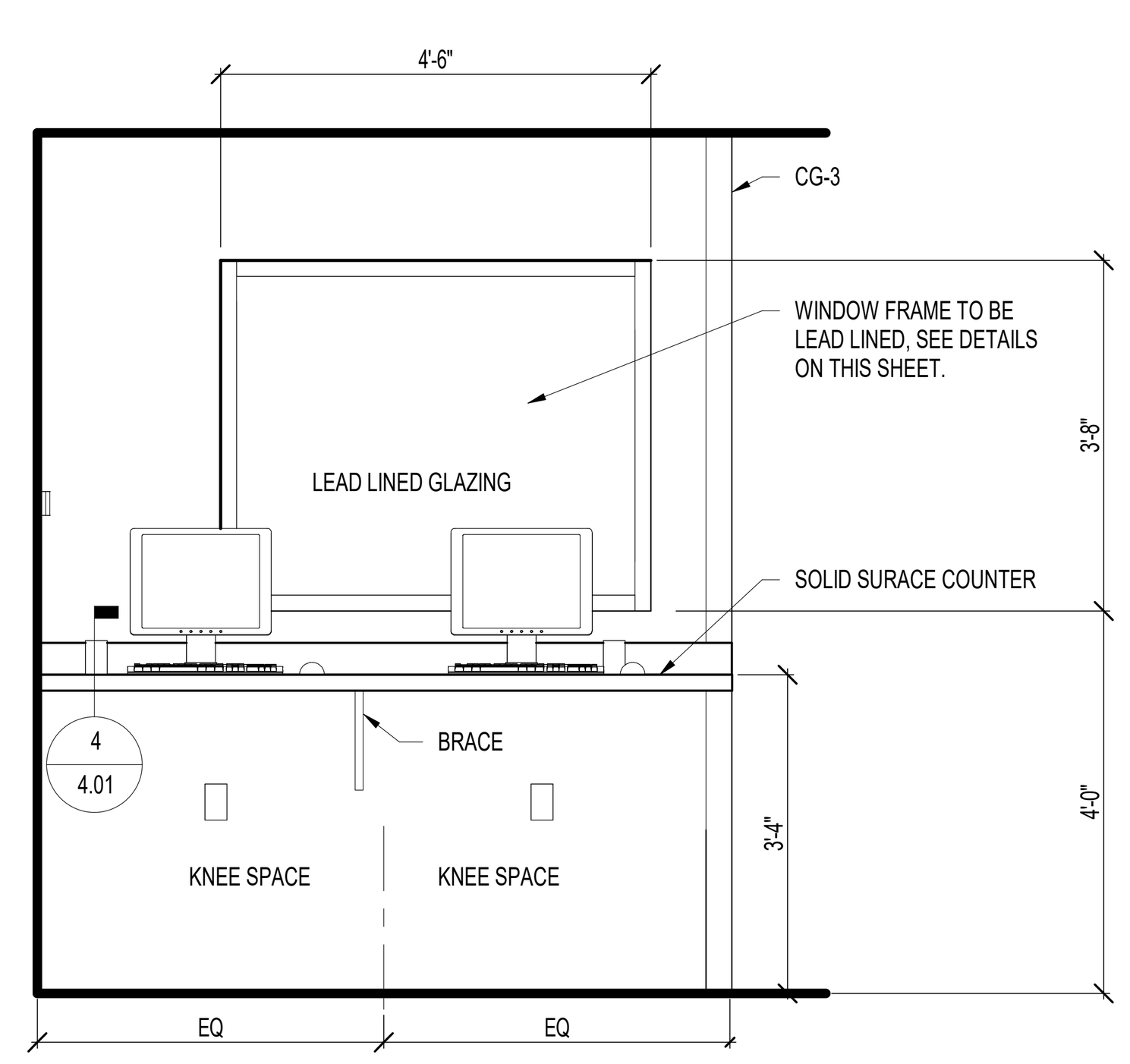
@ BOTTOM OF DECK OR BEAM



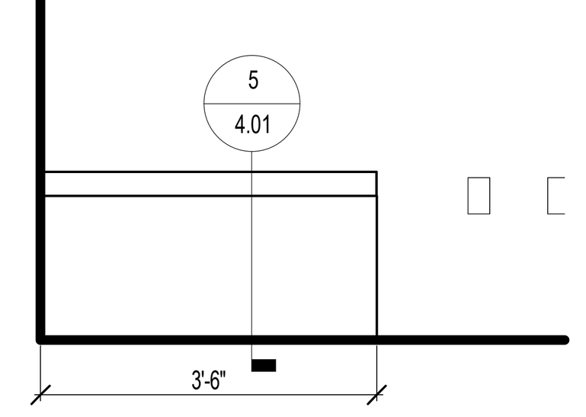
LEAD LINED JAMB/HEAD



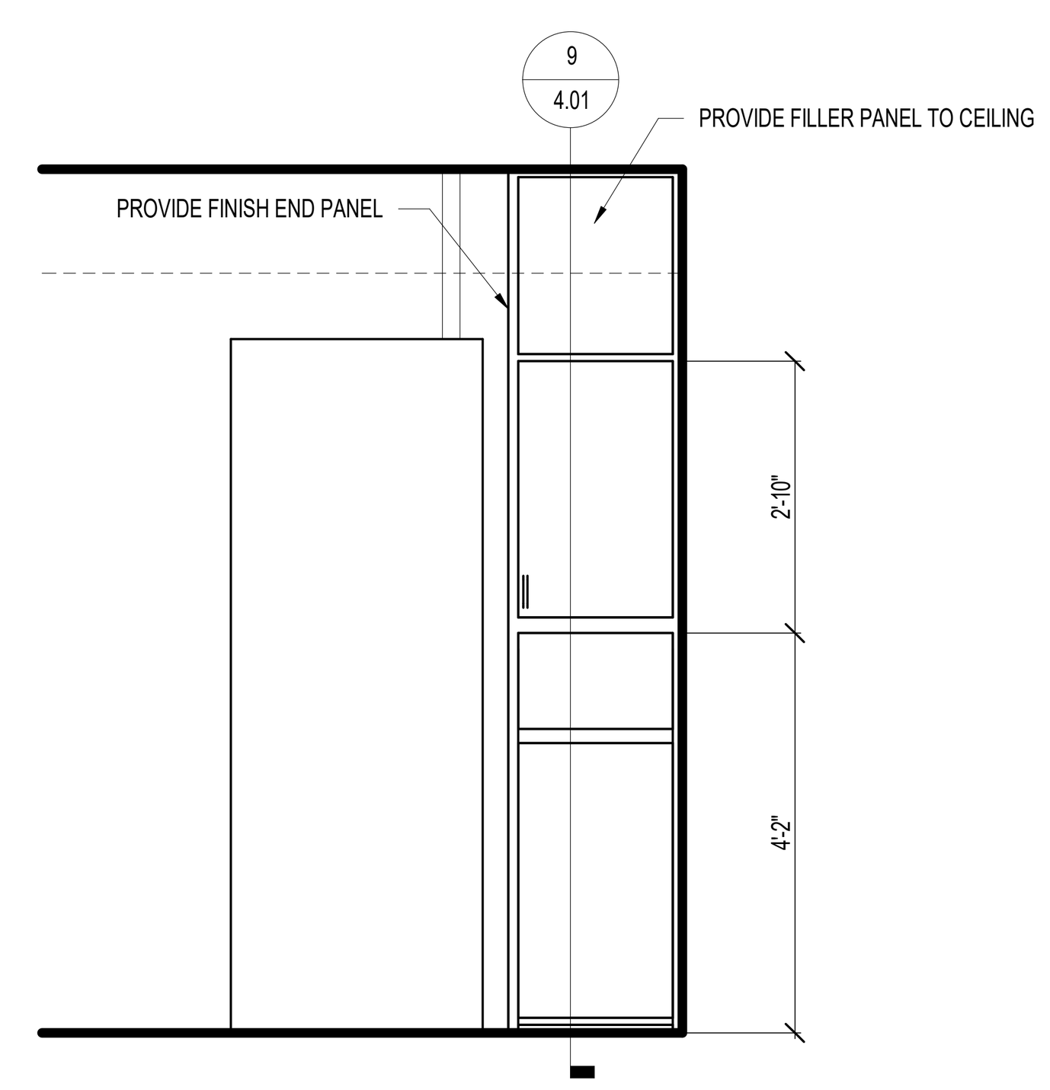
LEAD LINED JAMB/HEAD AT WINDOW



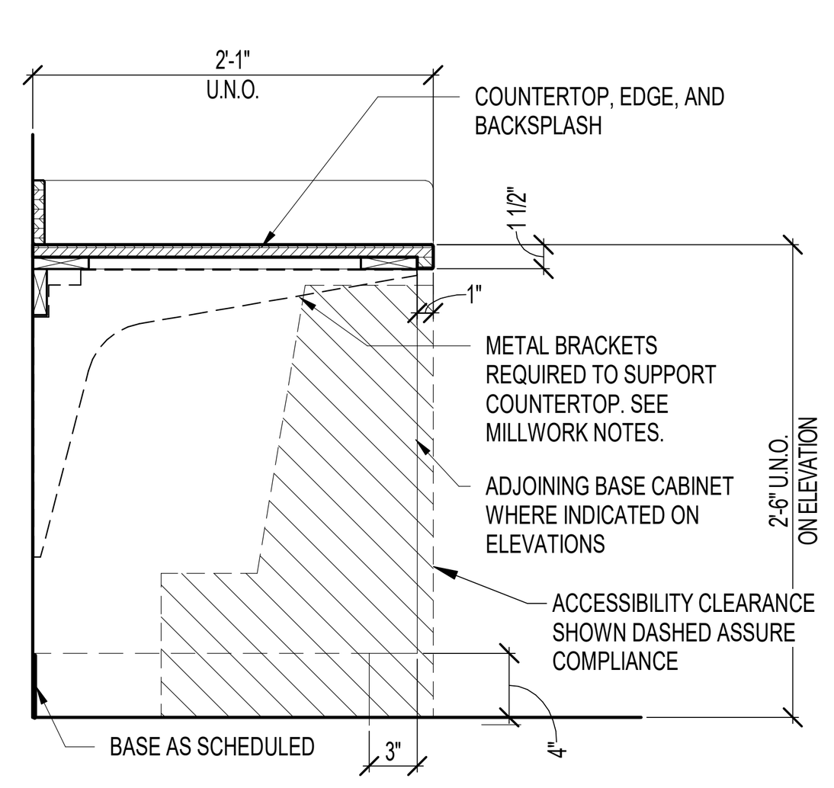
1 COUNTER @ CONTROL ROOM
1/2" = 1'-0"



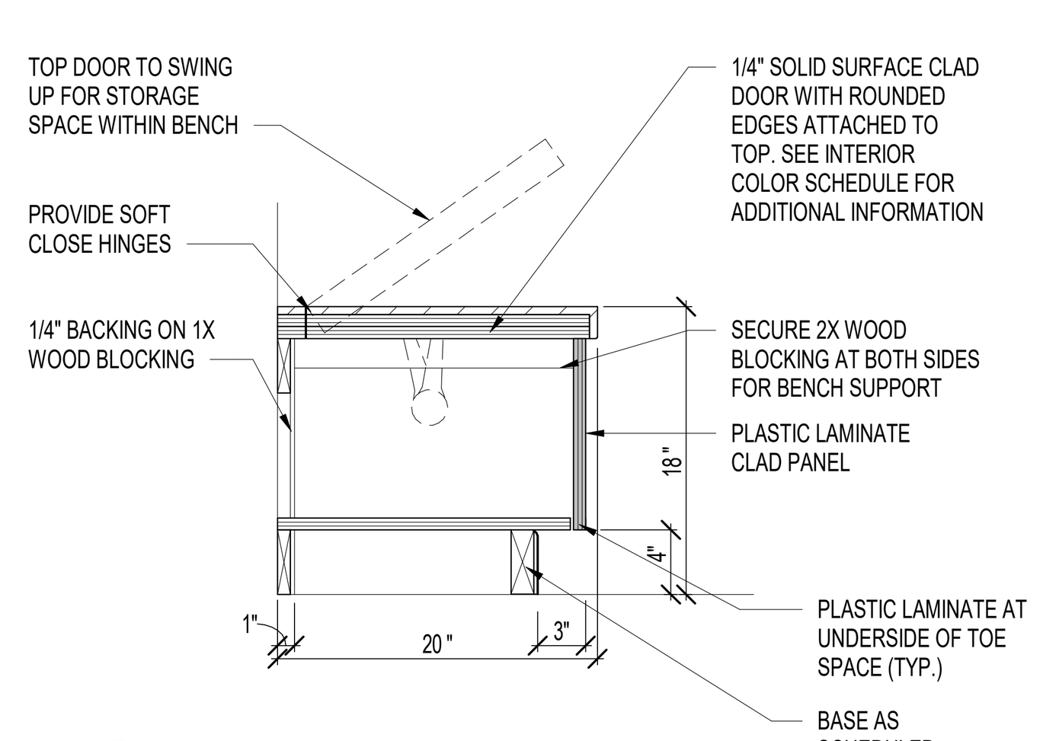
2 STORAGE BENCH
1/2" = 1'-0"



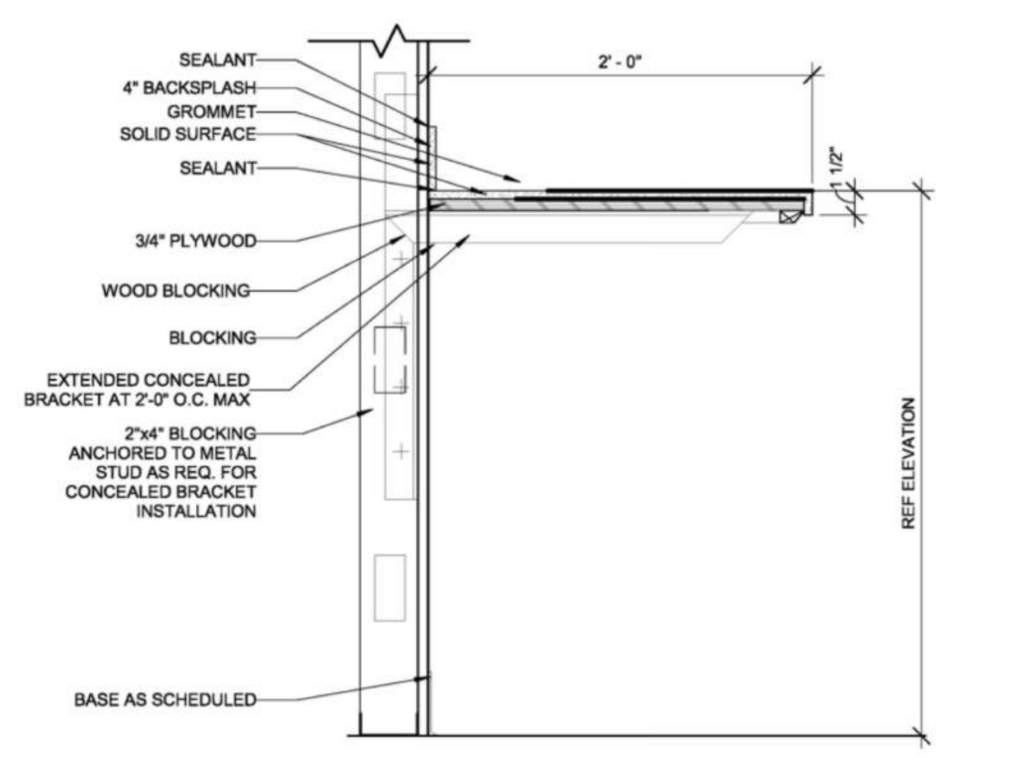
3 TALL SHELF UNIT WITH HINGED DOOR
1/2" = 1'-0"



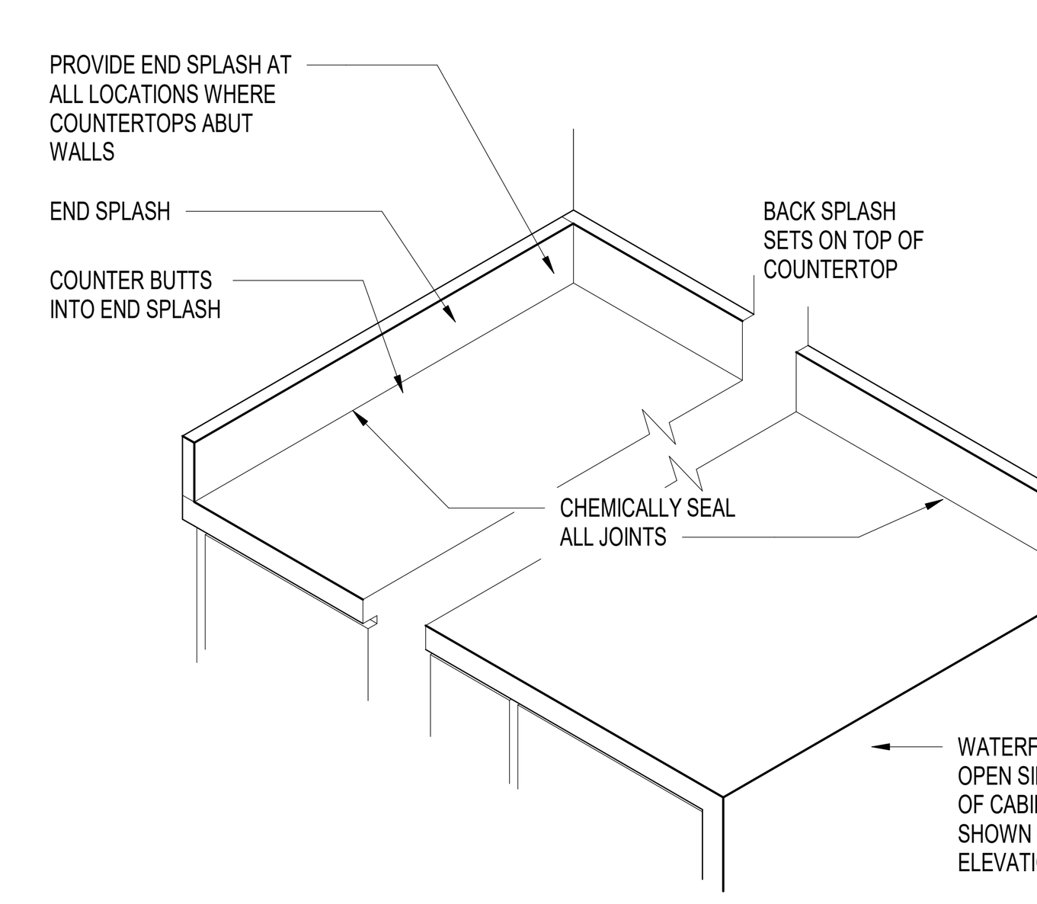
4 COUNTERTOP WITH KNEE SPACE
1" = 1'-0"



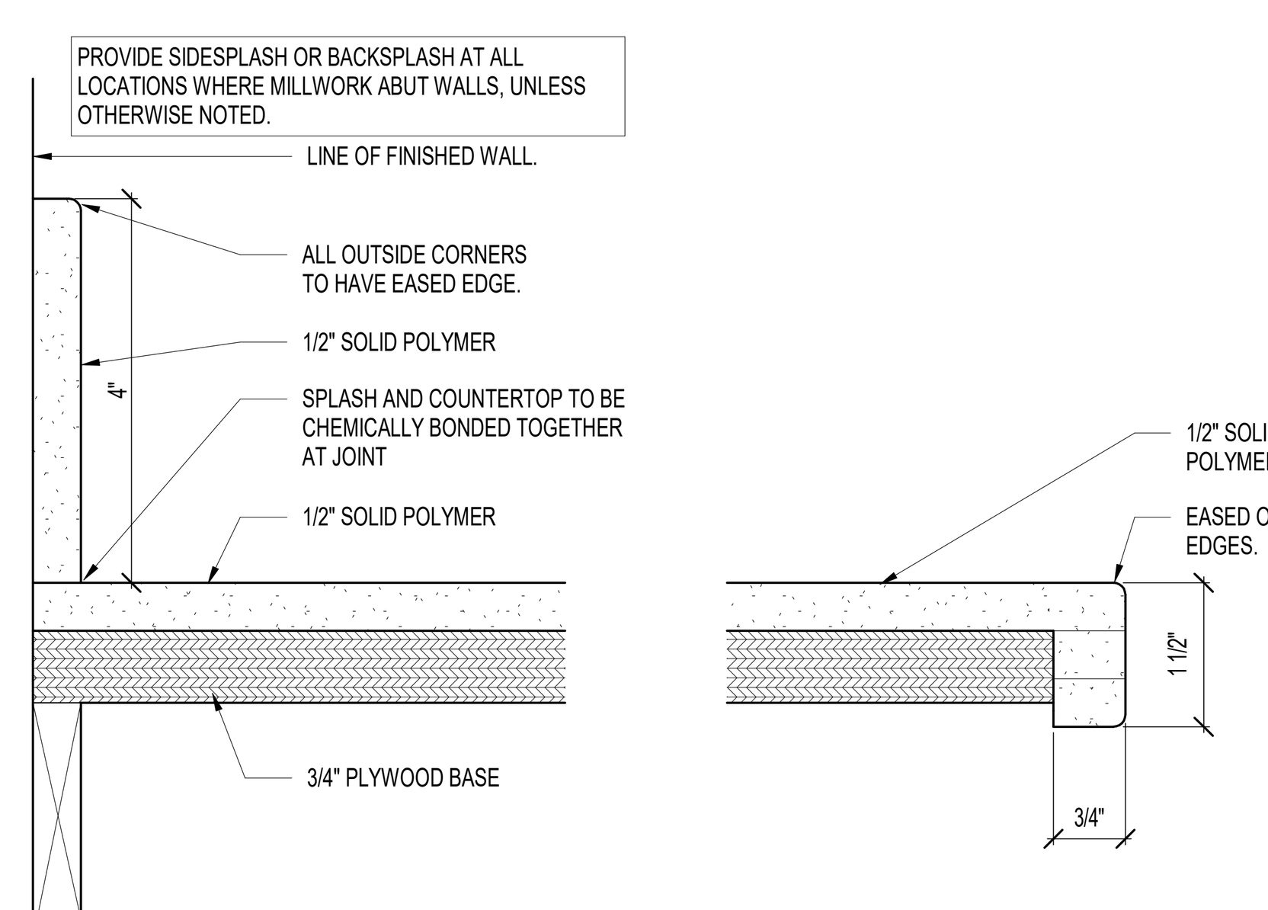
5 STORAGE BENCH
1" = 1'-0"



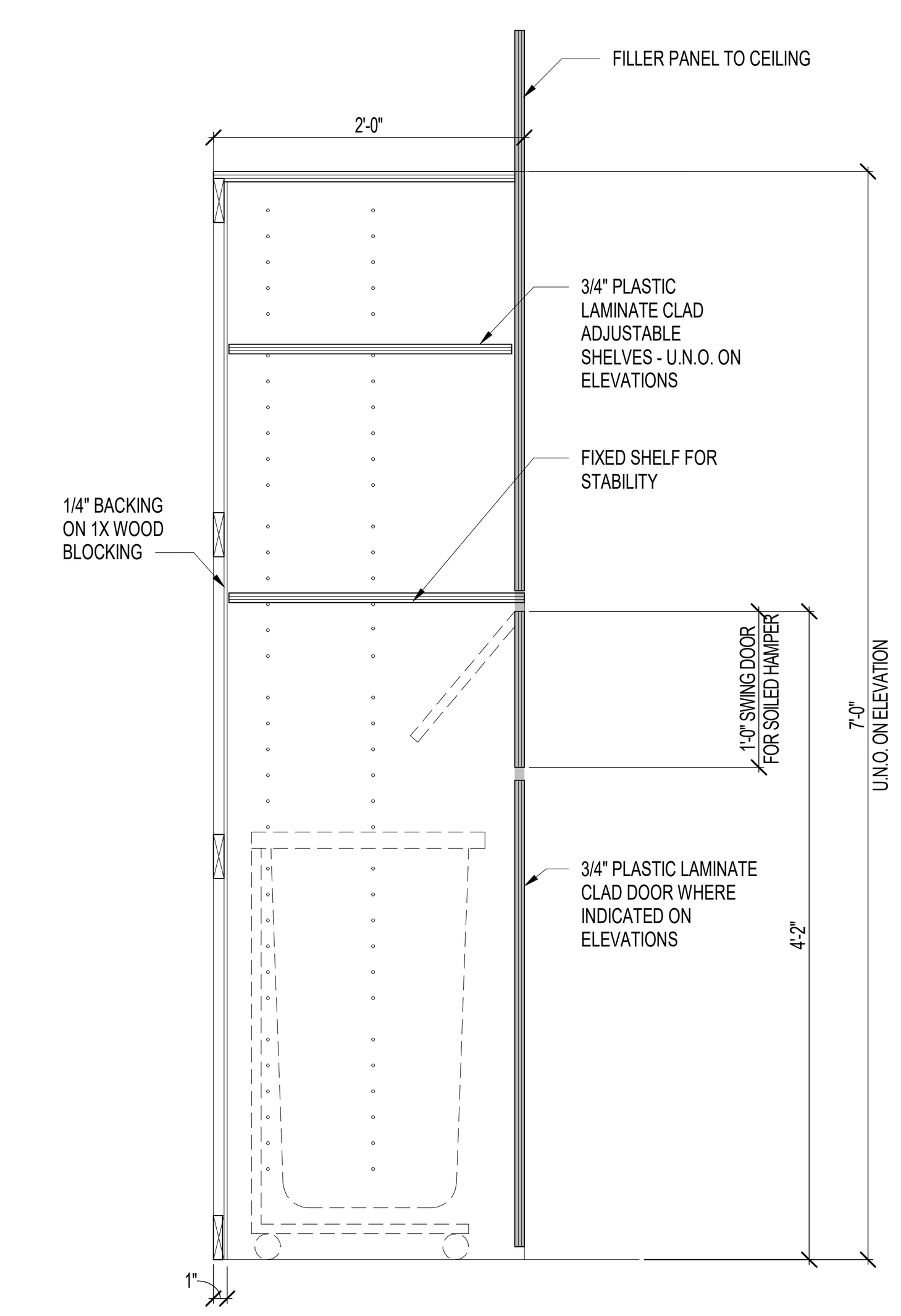
6 COUNTER WITH BRACKET-SPF-24" DEEP (JPS)
1" = 1'-0"



7 SOLID POLYMER COUNTERTOP
1" = 1'-0"



8 SOLID POLYMER BACKSPLASH & NOSING - TYPICAL
6" = 1'-0"



9 TALL SHELF UNIT WITH HINGED DOOR
1" = 1'-0"

COMM. NO.	1435
DATE	11/19/2025
DRAWN	TN
CHECKED	TT

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

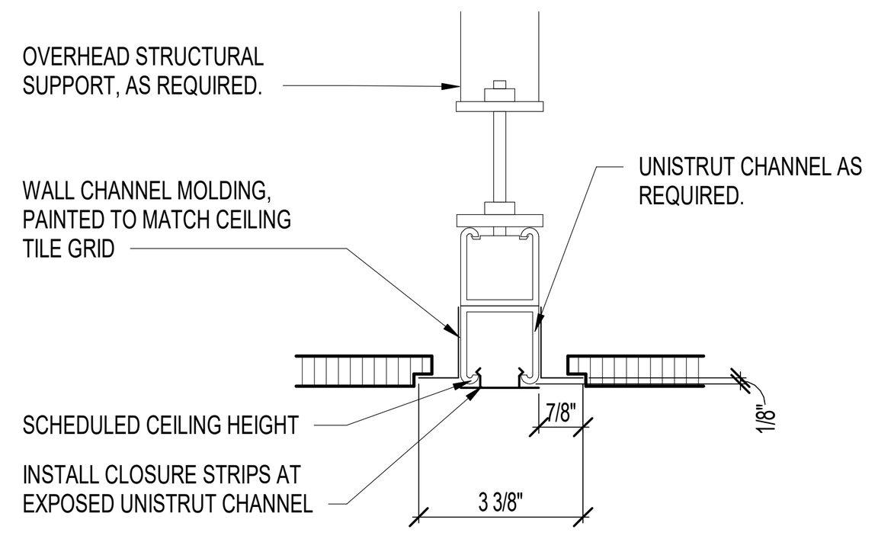
REVISIONS:

PRIMERA DESIGN ASSOCIATES, LLC.

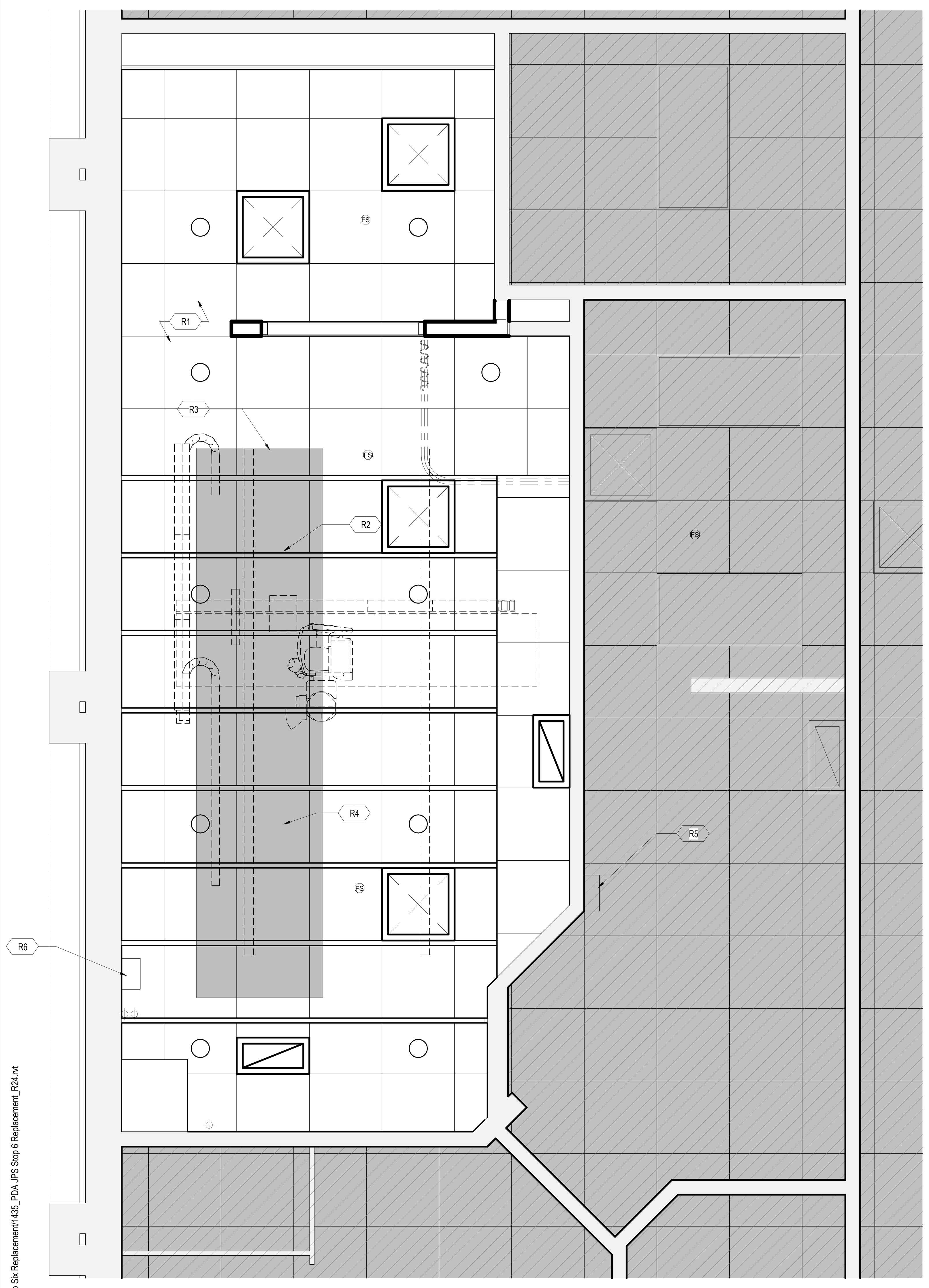
JPS HEALTH NETWORK
STOP SIX X-RAY REPLACEMENT
3301 STALCUP ROAD, FORT WORTH, TX 76119

PARTITION TYPES, MILLWORK DETAILS, AND ELEVATIONS

4.01



3 ENLARGED UNISTRUT DETAIL
3" = 1'-0"



2 REFLECTED CEILING PLAN - LEVEL 1
1/2" = 1'-0"
NORTH

REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.

D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

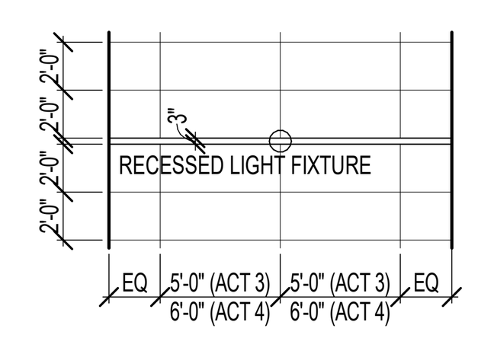
RCP PLAN NOTES BY NUMBER (R#)

R1 NEW ACT CEILING.
R2 COORDINATE WITH EQUIPMENT VENDOR ON EQUIPMENT MOUNTING.
R3 IN THIS RECTANGULAR AREA, NOTHING CAN EXTEND BELOW THE FINISHED CEILING TO ALLOW FREE MOVEMENT OF THE CEILING X-RAY TUBE STAND. COORDINATE WITH EQUIPMENT VENDOR DRAWINGS.
R4 REFER TO OWNER SUPPLIED EQUIPMENT DRAWINGS REGARDING CLEARANCE AT RAILS.
R5 X-RAY WARNING LIGHT.
R6 EXISTING FIRE ALARM STROBE.

REFLECTED CEILING PLAN LEGEND

CEILINGS

ACOUSTICAL TILE CEILING 1 (24X24)



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

2x2 RECESSED LIGHT FIXTURE — ○ OR □ DOWNLIGHT

2x4 RECESSED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

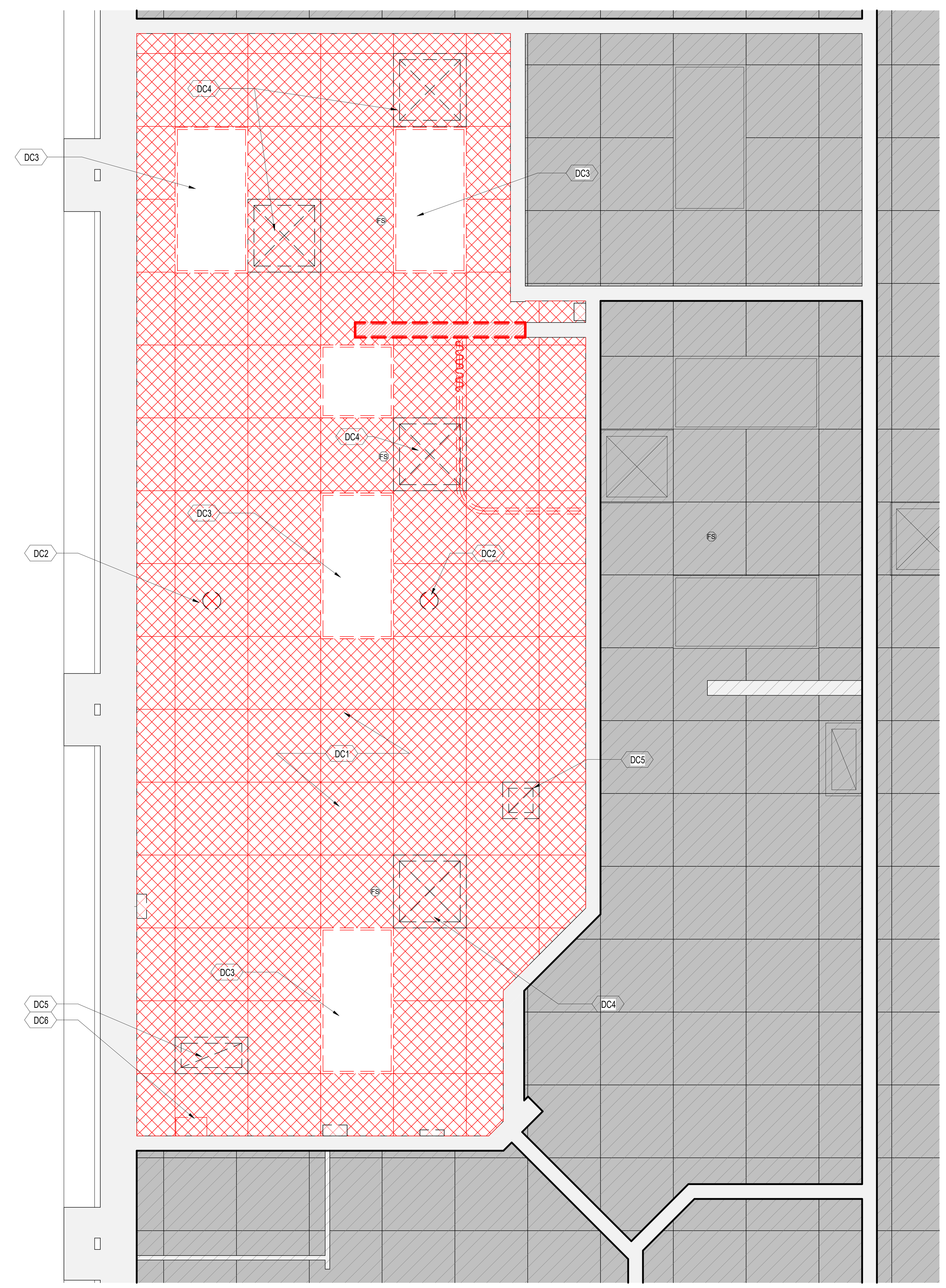
HVAC SUPPLY DIFFUSER

HVAC RETURN DIFFUSER

MISCELLANEOUS

SD SMOKE DETECTOR

FS FIRE SPRINKLER



1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 1
1/2" = 1'-0"
NORTH

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN DASHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
C. DEMOLISH AND REMOVE AND UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.

DEMO RCP PLAN NOTES BY NUMBER (DC#)

DC1 REMOVE EXISTING CEILING.
DC2 REMOVE EXISTING DOWNLIGHTS.
DC3 REMOVE EXISTING 2 X 4 LIGHT FIXTURES.
DC4 REMOVE EXISTING SUPPLY DIFFUSER.
DC5 REMOVE EXISTING RETURN DIFFUSER.
DC6 RELOCATE EXISTING FIRE ALARM STROBE

COMM. NO.	1435
DATE	11/19/2025
DRAWN	WR
CHECKED	TT

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PRIMERA DESIGN ASSOCIATES, LLC.
318 WEST MAIN STREET, SUITE 103
ARLINGTON, TEXAS 76010
(817) 881-1581
TBAE FIRM # 1559
TBPE FIRM # F-15646

JPS HEALTH NETWORK
STOP SIX X-RAY REPLACEMENT
3301 STALCUP ROAD, FORT WORTH, TX 76119

REFLECTED CEILING PLAN

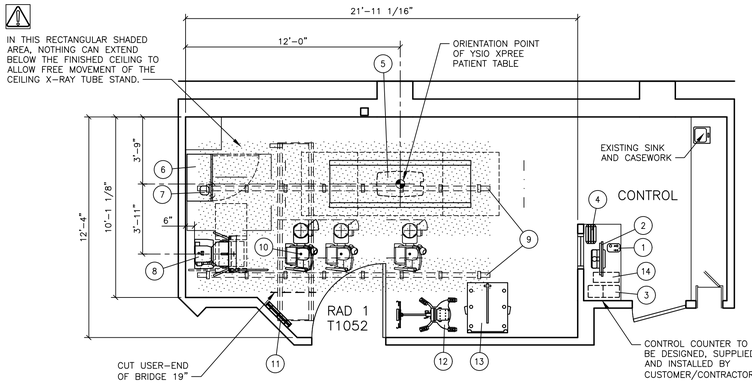
5.01

THIS SET OF FINAL DRAWINGS IS REFLECTIVE OF THE LATEST SALES CONFIGURATION. ANY CHANGES TO THIS SALES CONFIGURATION MAY REQUIRE A REVISION TO THIS PROJECT PLAN. IF REQUESTED, SIEMENS WILL PRODUCE A REVISED SET OF FINAL DRAWINGS TO REFLECT THE CHANGES, HOWEVER SIEMENS IS NOT RESPONSIBLE FOR ANY CONSTRUCTION COSTS ASSOCIATED WITH THE CHANGES THAT OCCUR FROM THIS PLAN MODIFICATION.

X-RAY TUBE SHOWN AT 45", 72" & 118" SID POSITIONS TO WALL STAND

EXISTING CEILING HEIGHT IS 9'-0"

⚠ IT IS THE RESPONSIBILITY OF THE CUSTOMER/CONTRACTOR TO PROVIDE A MEANS OF MOUNTING THE PC TOWER OFF THE FINISHED FLOOR FOR DAMAGE PROTECTION AGAINST TIP-OVER, FLUIDS, IMPACT, ETC.



EXAM RESTRICTIONS:
1. CROSS-TABLE LATERAL EXPOSURES, WITH THE CEILING X-RAY TUBE, ARE ONLY POSSIBLE FROM THE FRONT SIDE OF THE TABLE.

WARNING NOTES:
1. DUE TO THE EXAM ROOM SIZE, THE CEILING TRANSVERSE BRIDGE MUST BE REDUCED IN LENGTH BY APPROXIMATELY 19".

MISCELLANEOUS NOTES:
NOT APPLICABLE

ARCHITECTURAL EQUIPMENT PLAN

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

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES) W	D	H	REMARKS
1	CONTROL MODULE	CM	2	–	4 3/4	10	2 3/4	ON CUSTOMER'S COUNTER
2	LED TOUCHSCREEN MONITOR	M	18	205	22 1/2	8 5/8	15 1/4	ON CUSTOMER'S COUNTER
3	IMAGING SYSTEM CONTAINER (UNDER COUNTER)	IS	15	1,468	8	21	15	UNDER CUSTOMER'S COUNTER
4	CHARGING STATION FOR MAX DETECTORS	C	4	–	12 1/2	6 3/4	2	ON CUSTOMER'S COUNTER
5	YSIO XPREE TABLE WITH MOBILE DETECTOR WITH FLAT TABLE TOP	YT	970	2,560	94 13/16	31 1/2	***	***20 1/4" TO 37 9/16"
6	POLYDOROS R80-2 (80 kW) GENERATOR CABINET	RU	944	2,048**	31 1/2	17 1/8	86 3/4	**DURING OPERATION, 1,195 IN STANDBY MODE
7	ACCESS POINT (TOP OF GENERATOR)	AP	1	–	5	6 3/8 *	1	* = INCLUDING ANTENNAE
8	YSIO XPREE WALL STAND WITH FIXED DETECTOR (RIGHT LOADING GRID)	WS	496	751	30	35*A	83	*A – MAX. IN HORIZONTAL POSITION
9	5.00M CEILING RAILS FOR X-RAY TUBE SUSPENSION	C	82	–	196 7/8	3	4	SIZE AND WEIGHT PER RAIL
10	3M YSIO XPREE BRIDGE & X-RAY TUBE STAND	TS	772	853	119 1/4	39	*43	*TUBE CARRIAGE IN PARK POSITION
11	GRID HOLDER (WALL MOUNTED)	C	22	–	21 11/16	4	16 9/16	LOCATED AND INSTALLED BY CUSTOMER/CONTRACTOR
12	MOBILE DETECTOR HOLDER ON WHEELS	C	121	–	24 1/2	40 3/16	70 1/2	ROLL AROUND LATERAL HOLDER
13	MULTIPURPOSE STAND (FOR ORTHO OPTION)	C	200	–	27	36	78	FOR ORTHO OPTION
14	EATON UPS 5P 850G FOR IMAGING SYSTEM ONLY	UP	22	135	6	13 5/8	9 1/4	LOCATED WITH CONTROL EQUIPMENT

PROJECT MILESTONES TO BE COMPLETED BEFORE EQUIPMENT DELIVERY

CHECK STATUS	COMPLETION DATE	MILESTONES	REFERENCE SHEET
		SYSTEM STANDARDS	
		ARCHITECTURAL	
☐		STORAGE AREA AVAILABLE FOR STORING ITEMS DURING INSTALLATION	A-10x
☐		LEAD SHIELDING (WALLS, DOORS, WINDOWS) COMPLETE	A-10x
☐		ALL WALLS PRIMED AND PAINTED. ROOM DUST FREE.	A-10x
☐		CLIMATE CONTROL FUNCTIONING 24 HOURS A DAY, 7 DAYS A WEEK	A-10x
☐		DELIVERY PATH VERIFIED	A-10x
☐		CASEWORK COMPLETE IN EXAM AND CONTROL ROOMS	A-10x
☐		ROOM LIGHTING COMPLETE AND FUNCTIONING	A-10x
☐		NOTHING HANGING BELOW CEILING IN AREA SHADED ON DRAWING.	A-10x
☐		NETWORK DROP ACTIVE AND IP ADDRESSES OBTAINED FOR SIEMENS REMOTE SERVICES (SRS)	A-10x
☐		ALL ROOMS CONTAINING SIEMENS EQUIPMENT ARE CLEAN AND DUST FREE	A-10x
		STRUCTURAL	
☐		FLOOR LEVELNESS VERIFIED AND WITHIN SPECIFICATIONS	S-10x
☐		FLOOR THICKNESS VERIFIED AND WITH SPECIFICATIONS, IF NOT, SE APPROVED ALT. ANCHOR SOLUTION AVAILABLE	S-10x
☐		ALL CONDUITS, TROUGHS, AND CORE DRILLS ARE OUTSIDE OF TABLE OR WALL STAND ANCHOR LOCATIONS	S-10x
☐		ANY IN-FLOOR PULL BOXES OUTSIDE OF TABLE OR WALL STAND ANCHOR LOCATIONS	S-10x
☐		CEILING / UNISTRUT HEIGHT VERIFIED (CHECK MINIMUM CEILING HEIGHT)	S-10x
☐		CORRECT NUMBER OF UNISTRUT INSTALLED IN CORRECT LOCATION.	S-10x
		ELECTRICAL	
☐		CABLES RUNS CHECKED TO ENSURE MAXIMUM LENGTH NOT EXCEEDED	E-10x
☐		X-RAY WARNING LIGHT AND WIRING INSTALLED	E-10x
☐		CONTRACTOR SUPPLIED ELECTRICAL CABLING / PIGTAILS INSTALLED PER PLANS	E-10x
☐		CABLES INLETS INSTALLED IN LOCATIONS PER PLANS	E-10x
☐		MAIN BREAKER INSTALLED AND WIRED PER PLANS	E-10x
☐		EPO'S INSTALLED AND FUNCTIONING	E-10x

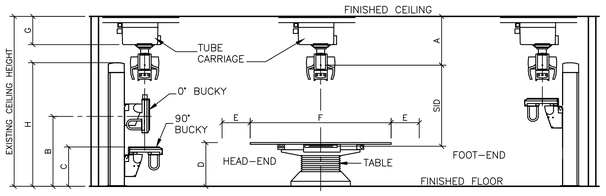
ARCHITECTURAL NOTES

1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS HEALTHCARE ARE BASED ON THE RECOMMENDED SPACE NECESSARY FOR THE OPERATION AND SERVICEABILITY OF THE EQUIPMENT BEING PROPOSED. SIEMENS WILL NOT SUBMIT AN EQUIPMENT LAYOUT THAT IS NOT IN THE BEST INTEREST OF BOTH THE CUSTOMER AND SIEMENS. ALL EQUIPMENT LAYOUTS ARE BASED EITHER ON AN ACTUAL SITE SURVEY OR ARCHITECTURAL DRAWINGS SUPPLIED TO SIEMENS. SIEMENS WILL NOT BE RESPONSIBLE FOR ANY ALTERATIONS THAT ENCROACH WITHIN DESIGNATED SAFETY AND SERVICE CLEARANCE ZONES AS INDICATED ON DRAWINGS (I.E., PIPE WORK, VENTILATION DUCTS, CASEWORK, AND SOFFITS, ETC.) MADE BY THE CUSTOMER OR REQUIRED BY A CUSTOMER'S ARCHITECTURAL FIRM ONCE PRELIMINARY DRAWINGS HAVE BEEN SUBMITTED AND APPROVED. DO NOT ALTER ANY SPECIFICATIONS AND/OR DIMENSIONS WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SIEMENS PROJECT MANAGER.
2) SIEMENS HEALTHCARE IS NOT AN ARCHITECTURAL OR ENGINEERING FIRM. DRAWINGS SUPPLIED BY SIEMENS ARE NOT CONSTRUCTION DRAWINGS. THEREFORE, THESE DRAWINGS ARE TO BE USED ONLY FOR INFORMATION TO COMPLEMENT ACTUAL CONSTRUCTION DRAWINGS AVAILABLE FROM A CUSTOMER APPOINTED ARCHITECTURAL REPRESENTATIVE OR A CUSTOMER'S ENGINEERING DESIGN GROUP. THE CUSTOMER'S ARCHITECT AND GENERAL CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE CODES AND PROFESSIONAL DESIGN REQUIREMENTS INCLUDING OSHA/NEC SAFETY CLEARANCE REQUIREMENTS IN ADDITION TO SIEMENS-REQUIRED SAFETY/SERVICE CLEARANCES SHOWN.
3) THE CUSTOMER IS RESPONSIBLE FOR ALL ROOM AND AREA PREPARATION COSTS, PROFESSIONAL FEES, PERMITS, REPORTS, AND INSPECTION FEES.
4) EQUIPMENT WARRANTIES, EXPRESSED OR IMPLIED ON THE PART OF SIEMENS SHALL BE CONTINGENT UPON STRICT COMPLIANCE WITH THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND RECOMMENDATIONS AND REQUIREMENTS CONTAINED IN THESE DRAWINGS, UNLESS SPECIFIED OTHERWISE.
5) ALL DIMENSIONS SHOWN ARE FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
6) THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST. ACTUAL PROTECTION REQUIREMENTS SHALL BE SPECIFIED BY A REGISTERED RADIATION PHYSICIST AT CUSTOMER'S ENGAGEMENT AND EXPENSE. RESPONSIBILITY FOR ALL INFORMATION AS TO THE ROOM LOCATION, USE, AND NUMBER OF ANTICIPATED EXAMINATIONS TO BE PERFORMED PER TIME PERIOD SHALL BE PROVIDED TO THE PHYSICIST BY THE CUSTOMER. THE CUSTOMER SHALL FURTHER TAKE ALL RESPONSIBILITY IN THE COMMUNICATION AND COORDINATION OF ACTIVITIES OF THE RADIATION PHYSICIST AND THE ARCHITECTURAL REPRESENTATIVE.
7) SIEMENS HEALTHCARE SHALL BE RESPONSIBLE FOR SIEMENS EQUIPMENT INSTALLATION, CALIBRATION, CONNECTION AND INSTALLATION OF SIEMENS PROVIDED CABLES. THE CUSTOMER/ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR TERMINATIONS OF CUSTOMER/ELECTRICAL CONTRACTOR-SUPPLIED CABLES TO SIEMENS EQUIPMENT. IN THE EVENT THAT SPECIFIC TRADE RULES OR LICENSE REQUIREMENTS PROHIBIT THIS, THE CUSTOMER SHALL INITIATE THE SERVICES OF APPROVED OTHER CONTRACTORS AND PAY FOR SELECTED, APPROVED PARTIES TO PERFORM THIS WORK WITH SUPERVISION PROVIDED BY SIEMENS. CALIBRATION WHEN ACCOMPLISHED OUTSIDE OF NORMAL INSTALLATION SEQUENCES DUE TO CONTRACTOR OR TRADE RULE ACTIONS OR REQUIREMENTS SHALL BE SUPPORTED BY, CHARGED TO, AND ACCEPTED BY THE CUSTOMER AS AN ADDITIONAL INSTALLATION EXPENSE.
8) THE CUSTOMER SHALL COORDINATE WITH SIEMENS PROJECT MANAGER THE LOCATIONS AND TRAVEL OF ALL ANCILLARY EQUIPMENT TO BE CEILING OR WALL MOUNTED (I.E.: O.R. LIGHTS, MEDICAL GAS COLUMNS, PHYSIOLOGICAL MONITORING INJECTORS, CRT PLATFORMS, SPRINKLER HEADS, SMOKE DETECTORS, ELECTRICAL OUTLETS, HVAC GRILLES, SPEAKERS, AND GENERAL ROOM LIGHTING, ETC.).
9) THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FOR ALL FINAL PAINT, TOUCH-UP AND ANY COSMETIC OR TRIM WORK WHICH NEEDS TO BE OR IS REQUIRED TO BE COMPLETED AFTER THE INSTALLATION OF THE SIEMENS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS.
10) CUSTOMER/CONTRACTOR MUST ASSIST SIEMENS INSTALLERS WITH INSTALLATION OF EQUIPMENT ABOVE 14'-0". REFER TO THE ELECTRICAL NOTES ON SIEMENS SHEET E-101 FOR MORE DETAILS.

CEILING HEIGHT REQUIREMENTS

SYSTEM CONFIGURATION	CEIL. HT. RANGE
CEILING STAND +/- WALL STAND	8'-9" TO 10'-2"
CEILING STAND + TABLE +/- WALL STAND	

1. 45" SID TO TABLE BUCKY IS POSSIBLE WITH 8'-9" CEILING HEIGHT AND A WORKING TABLE HEIGHT OF 2'-5".
2. X-RAY TUBE EXTENSION IS NOT RECOMMENDED FOR CEILING HEIGHT LESS THAN 9'-6".
3. X-RAY TUBE EXTENSION IS REQUIRED FOR CEILING HEIGHT 10'-2" OR GREATER.
4. TO ACCOMMODATE TILTED EXPOSURES OVER THE WALL STAND, A 12" EXTENSION BOX (OPTION) MUST BE ADDED TO THE WALL STAND FOR CEILING HEIGHT LESS THAN 8'-9", WHEN LOCATED AT EITHER END OF THE TABLE.



	MOVEMENT RANGE	MINIMUM	MAXIMUM
A	TUBE STAND		
	MANUAL	2'-8 3/4"	8'-7 5/8"
	MOTORIZED	2'-9"	8'-7 1/4"
B	WALL STAND (UPRIGHT 0 DEG.)		
	FIXED DETECTOR	10 1/2"	5'-9"
	WIRELESS DETECTOR	12"	5'-9"
C	WALL STAND (TILTED 90 DEG.)	1'-9"	6'-9 1/2"
D	TABLE HEIGHT	1'-8 1/4"	3'-1 1/2"
E	TABLE TRAVEL (BOTH ENDS)	1'-6 7/8"	
F	TABLE LENGTH	7'-10 3/4"	
G	TUBE CARRIAGE (DEPTH)	1'-8"	
H	WALL STAND COLUMN (HEIGHT)	7'-1"	

DETERMINE WALL STAND LOCATION FOR TILTED (90 DEG) EXPOSURES WITH CEILING STAND

– WALL STAND MAY BE LOCATED AT HEAD-END: IF THE EXISTING CEILING HEIGHT IS GREATER THAN G + H.
– WALL STAND MUST BE LOCATED AT FOOT-END: IF THE EXISTING CEILING HEIGHT IS LESS THAN G + H.

DETERMINE MAXIMUM SID TO TABLE

THE RESULT OF THE FOLLOWING FORMULA MUST BE EQUAL TO OR LESS THAN THE EXISTING CEILING HEIGHT:

A (MIN.) + TABLE SID + D (MIN.)

1 YSIO XPREE TYPICAL ELEVATION — SCALE: 1/4"=1'-0"

LIGHTING REQUIREMENTS

SMART VIRTUAL ORTHO

LIGHTING GUIDELINES FOR 3D CAMERA SENSITIVITY AND DIRECT LIGHT

1. NO WINDOWS OR HIGHLY REFLECTIVE SURFACES BEHIND THE WALL STAND.
2. NO LIGHT SOURCES (I.E. STRIP LIGHTING) BEHIND THE WALL STAND.
3. NO CONCENTRATED LIGHT SOURCE ABOVE THE TABLE OR THE WALL STAND (I.E. FLUORESCENT LIGHTING WITHOUT DIFFUSER).
4. IF ITEMS 1 OR 2 ARE NOT POSSIBLE, THE AREA BEHIND THE WALL STAND SHOULD BE OBSTRUCTED IN AN APPROPRIATE MANNER, USING A CURTAIN, ETC..

WIRELESS DETECTOR CONNECTION

OPERATION OF THE WIRELESS DETECTOR CAN BE AFFECTED BY OTHER WLAN DEVICES IN THE VICINITY OF THIS INSTALLATION. TO AVOID ANY CONFLICTS, THE CUSTOMER MUST PROVIDE A LIST OF EXISTING WLAN CHANNELS (FREQUENCIES) OR THE SPECIFIC CHANNEL (FREQUENCY) THEY DESIRE TO BE USED FOR THE WIRELESS DETECTOR.

THE WIRELESS CONNECTION IS ENCRYPTED (WPA2) AND IS BASED ON TWO WLAN STANDARDS, WITHIN WHICH SEVERAL CHANNELS (FREQUENCIES) ARE AVAILABLE:
1) 11G STANDARD – OPERATES AT 2.5 GHz
2) 11A STANDARD – OPERATES AT 5 AND 6 GHz

THE STANDARD (11G OR 11A) CAN BE SET BY SIEMENS SERVICE VIA THE SERVICE SOFTWARE INSTALLED ON THE IMAGING SYSTEM.

THE WIRELESS CONNECTION IS ONLY USED TO TRANSFER DATA BETWEEN SIEMENS EQUIPMENT AND IS NOT USED TO SEND DATA TO THE CUSTOMER'S NETWORK.

REV 0

STATE AGENCY REVIEW

PRIOR TO SIEMENS EQUIPMENT INSTALLATION, APPROVAL OF CONSTRUCTION OR STRUCTURAL MODIFICATIONS UTILIZING X-RAY FOR DIAGNOSTIC OR THERAPEUTIC PURPOSES, MUST BE OBTAINED BY THE CUSTOMER FROM THE APPROPRIATE STATE AGENCY, IF APPLICABLE.

ENVIRONMENTAL REQUIREMENTS

SYSTEM DURING TRANSPORT AND STORAGE	TRANSPORT	STORAGE
PERMISSIBLE AMBIENT TEMPERATURE	-4° F TO +131° F	-4° F TO +131° F
PERMISSIBLE AMBIENT TEMPERATURE (MOBILE DETECTOR)	14° F TO +131° F	14° F TO +131° F
PERMISSIBLE RELATIVE HUMIDITY	10% TO 95%	10% TO 95%
PERMISSIBLE BAROMETRIC PRESSURE	50 kPa TO 106 kPa	50 kPa TO 106 kPa

SYSTEM IN OPERATION	OPERATION
PERMISSIBLE AMBIENT TEMPERATURE	64.4° F + 82.4° F
PERMISSIBLE RELATIVE HUMIDITY	20% TO 75% (NOTE 1, 2)
PERMISSIBLE BAROMETRIC PRESSURE	70 kPa TO 106 kPa

NOTES:
1. CONDENSATION MUST NOT BE ALLOWED TO FORM
2. ONLY MAX. 90% IS PERMITTED FOR THE MONITOR

RESOURCE LIST (SMS USE ONLY)

DESIGNATION	PG NUMBER	DATE
YSIO XPREE	XPB7-040.891.01.XX.02	——

YSIO XPREE REV 13

CEILING HEIGHT RANGE	RECOMMENDED CEILING HEIGHT
SEE CEILING HEIGHT REQUIREMENTS	
8'-9" TO 10'-2"	9'-6"

SYM	DATE	DESCRIPTION
⚠0	11/18/25	2415088RC DATED 09/30/25 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

PROJECT MANAGER: JOAS AGUILAR VALLEJO
TEL: (817) 366-5832
VMAIL: EXT:
FAX:
EMAIL: JOAS.AGUILARVALLEJO@SIEMENS-HEALTHINEERS.COM

SIEMENS

JPS HEALTH NETWORK
3301 STALCUP ROAD, FORT WORTH, TX 76119
RAD 1 T1052 – YSIO X.PREE

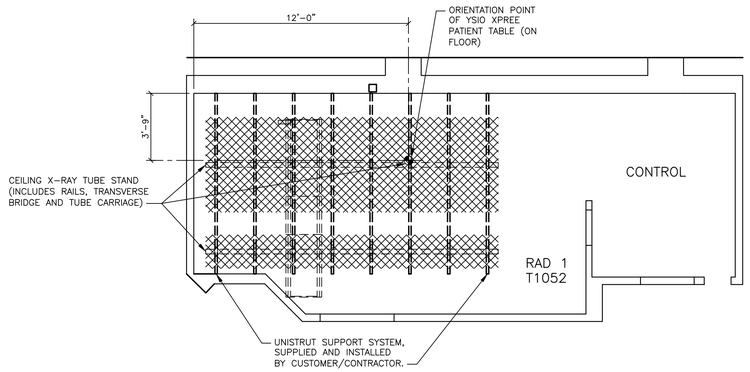
PROJECT #: 2415088
SHEET: A-101
SHEET 1 OF 5
DRAWN BY: T. ARMACOST
SCALE: AS NOTED
REF. #: 30304669
DATE: 11/18/25

ATTENTION:

– THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
– THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.
– IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.
– ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
– THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

ATTENTION! SHADED AREAS INDICATED MUST BE KEPT FREE OF CEILING FIXTURES AND OTHER NON-SYSTEM ITEMS THAT MAY PROJECT DOWNWARD FROM THE CEILING (I.E. AIR VENTS, SPRINKLERS, CEILING LIGHTS, ETC.). PLEASE COORDINATE ANY POSSIBLE CONFLICTS WITH SIEMENS PROJECT MANAGER.

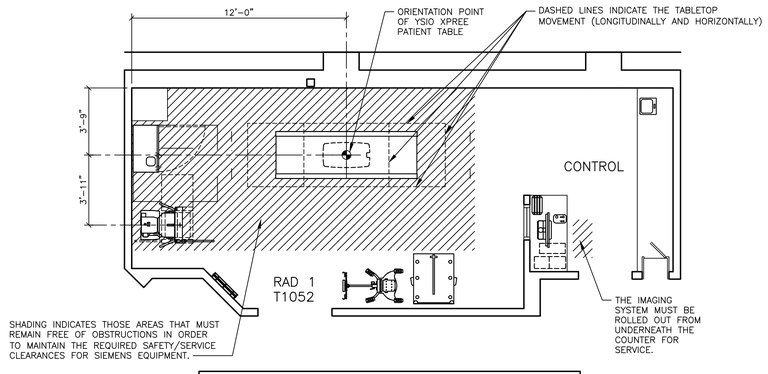


NOTE: FOR DIMENSIONED LOCATIONS AND DESCRIPTIONS OF ALL ITEMS SHOWN ON THIS PLAN, SEE THE "STRUCTURAL CEILING PLAN" ON SHEET S-101.

FOR THE WEIGHTS OF ALL SIEMENS EQUIPMENT SHOWN ON THIS PLAN, SEE THE "EQUIPMENT LEGEND" ON SHEET A-101.

REFLECTED CEILING PLAN

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



NOTE: FOR DESCRIPTIONS OF ALL SIEMENS EQUIPMENT SHOWN ON THIS PLAN, SEE THE "ARCHITECTURAL EQUIPMENT PLAN" ON SHEET A-101.

SAFETY/SERVICE CLEARANCE PLAN

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

TRANSPORT AND DELIVERY

YSIO XPREE – PACKAGING INFORMATION

LONGEST CRATE (BWS)	L 92.52" x W 34.65" x H 41.34"
WIDEST CRATE (TUBE CARRIAGE)	L 66.93" x W 40.55" x H 53.15"
HEAVIEST SINGLE PART (TABLE)	APPROX. 1038 LBS.
TRANSVERSE BRIDGE – 3 METER	L 125.98" x B 31.50" x H 9.84"
TRANSVERSE BRIDGE – 4 METER	L 173.23" x B 31.50" x H 9.84"
LONGITUDINAL RAILS – 4.25 METER	L 167.32" x B 3.11" x H 3.19"
LONGITUDINAL RAILS – 5.00 METER	L 196.85" x B 3.11" x H 3.19"

DELIVERY PATH

NOTES:

1. ENSURE ELEVATORS, CORRIDORS, AND DOORWAYS HAVE THE REQUIRED DIMENSIONS FOR TRANSPORT DEVICE.
2. LOAD DISTRIBUTION BOARDS ARE MANDATORY TO PROTECT THE FLOORING IN ALL AREAS THE TRANSPORT DEVICE OR ROLLERS MAY BE MOVED.
3. STANDARD: MINIMUM DOOR WIDTH = MIN. 41.34" (SEE A)
   ASSOCIATED MIN. CORRIDOR WIDTH = APPROX. 82.68"
4. SPECIAL SOLUTION: MINIMUM DOOR WIDTH = MIN. 35.43" (SEE B)
   ASSOCIATED MIN. CORRIDOR WIDTH = APPROX. 66.93"

A. DUE TO THE PALLET WIDTH OF THE TUBE STAND.
B. POSSIBLE ONLY WITH ADDITIONAL TRANSPORT FRAME (MATERIAL NO. 11328828), ORDERABLE THROUGH CSML.

THERE ARE NO TRANSPORT ILLUSTRATIONS AVAILABLE AT THIS TIME.

CEILING NOTES

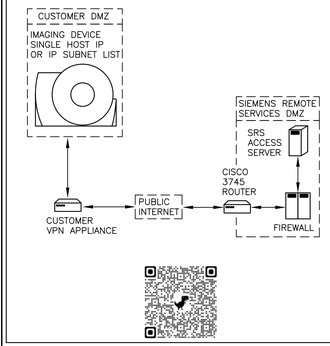
1) ALL CEILING MOUNTED LIGHT FIXTURES, MECHANICAL REGISTERS AND SPRINKLER HEADS SHALL BE FLUSH WITH FINISHED CEILING, SHALL BE OUTSIDE OF ALL HATCHED AREAS AND SHALL BE SPECIFIED BY THE ARCHITECT OF RECORD AND SUBSEQUENT CONSULTING ENGINEERS.
2) THE ACTUAL CEILING DESIGN AND COORDINATION OF LIGHTING AND MECHANICAL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT OF RECORD AND HIS SUBSEQUENT CONSULTING ENGINEERS.
3) THE CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR FABRICATING, SUPPLYING AND INSTALLING ALL LIGHT, MECHANICAL AND STRUCTURAL SUPPORTING SYSTEMS. SIEMENS MEDICAL SYSTEMS, INC. IS ONLY RESPONSIBLE FOR THE SUPPLYING, INSTALLING AND CALIBRATION OF SMS EQUIPMENT AS SPECIFIED ON THE EQUIPMENT SCHEDULE AS SHOWN ON SHEET A-101.
4) ALL ELECTRICAL AND STRUCTURAL SYSTEMS SHOWN ON THE REFLECTED CEILING PLAN HAVE BEEN COORDINATED WITH THE EQUIPMENT LOCATIONS AS SHOWN ON THE 1/4" SCALE ARCHITECTURAL EQUIPMENT PLAN (SHEET A-101). ANY CHANGES TO THE SMS EQUIPMENT CONFIGURATION AS SHOWN, DUE TO PLACEMENT OF LIGHTING, STRUCTURAL, ELECTRICAL AND MECHANICAL SYSTEMS, MUST BE APPROVED IN WRITING BY THE SMS PROJECT MANAGER PRIOR TO THE COMPLETION OF CONSTRUCTION DOCUMENTS.

SIEMENS SMART REMOTE SERVICE

TO ENSURE THE UPTIME OF YOUR SYSTEM DURING THE WARRANTY PERIOD (AND BEYOND WITH A SERVICE AGREEMENT), SIEMENS REMOTE SERVICES (SRS) REQUIRES REMOTE LOCAL AREA NETWORK ACCESS TO SIEMENS SYSTEMS.

THE PREFERRED CONNECTION METHOD IS (VPN) VIRTUAL PRIVATE NETWORK (WHERE THE CUSTOMER HAS AVAILABLE A VPN CAPABLE FIREWALL OR OTHER VPN APPLIANCE). THIS METHOD PROVIDES THE POSSIBILITY FOR REMOTE SYSTEM DIAGNOSTICS WITHOUT ADDITIONAL HARDWARE. PLEASE CONTACT SIEMENS SMART REMOTE SERVICES TO DETERMINE BEST IMPLEMENTATION FOR YOUR SITE. CONTACT:

IMCPTSCSRS.DL@SIEMENS-HEALTHINEERS.COM.



CEILING HEIGHT RANGE	RECOMMENDED CEILING HEIGHT
SEE CEILING HEIGHT REQUIREMENTS	
8'-9" TO 10'-2"	9'-6"

SYM	DATE	DESCRIPTION
1	11/18/25	2415088RC DATED 09/30/25 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

YSIO XPREE
REV 13

PROJECT MANAGER: JOAS AGUILAR VALLEJO
TEL: (817) 366-5832 EXT:
VMAIL:
FAX:
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SIEMENS

JPS HEALTH NETWORK

3301 STALCUP ROAD, FORT WORTH, TX 76119
RAD 1 T1052 – YSIO X.PREE

PROJECT #: 2415088

SHEET: A-102

SHEET OF 2 5

DRAWN BY: T. ARMACOST

SCALE: AS NOTED

REF. #: 30304669

DATE: 11/18/25

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.
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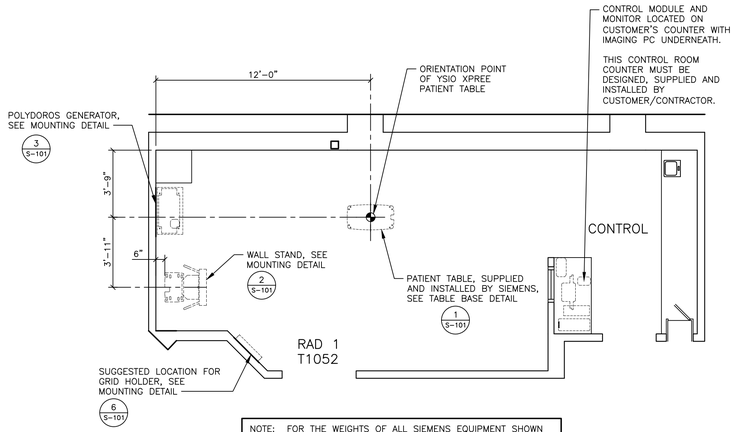
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
- THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

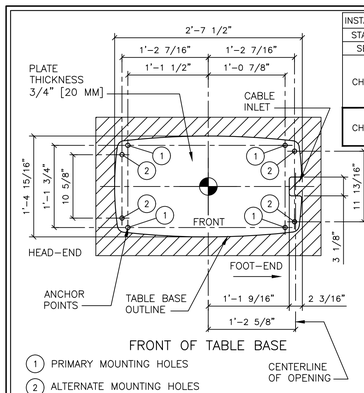
NOT FOR CONSTRUCTION - REFERENCE DOCUMENT -

STRUCTURAL FLOOR PLAN

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



NOTE: FOR THE WEIGHTS OF ALL SIEMENS EQUIPMENT SHOWN ON THIS PLAN, SEE THE "EQUIPMENT LEGEND" ON SHEET A-101.



FRONT OF TABLE BASE

1 PRIMARY MOUNTING HOLES
2 ALTERNATE MOUNTING HOLES

INSTALLATION	ANCHOR	REQ'D THICKNESS	QTY. ANCHORS
STANDARD	HSL-4 M12/25	6 1/4" SOLID	4 REQUESTED THRU MIV
SEISMIC	KWIK BOLT 1/2"	6"	4 REQUESTED THRU MIV
CHEMICAL	HIT-V M12 / 1/2"	4" SOLID 2 3/4" MIN. EMBEDMENT	4 REQUESTED THRU MIV
	HIT-HY 200 VR USED WITH FACTORY PROVIDED WASHERS		
CHEMICAL	HIT-HY 200 VR 1/2" THREADED ROD (A36), 1 1/2" ROUND X 17/32" I.D. X 3/16" PLATE WASHER (A36)		

THERE IS CURRENTLY NO CHEMICAL ANCHOR SOLUTION, PROVIDED BY THE FACTORY, FOR THE MULTIX FUSION MAX.
UNTIL FURTHER NOTICE THE CHEMICAL SOLUTION PROVIDED BY EASE CO. MUST BE USED FOR THE MULTIX FUSION MAX.

NOTES:
THE TABLE BASE MUST BE INSTALLED ON A SOLID STRUCTURE WITH SUFFICIENT LOADING BEARING CAPACITY. THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF THIS ANCHORING STRUCTURE. THE MINIMUM STRUCTURAL AREA TO INCLUDE THE TABLE BASE LOCATION AND THE AREA SURROUNDING THE BASE (AS INDICATED BY THE DASHED LINE).

THERE ARE EIGHT 11/16"ø HOLES IN THE TABLE BASE FOR ANCHORING. FOUR POINTS OUT OF EIGHT ARE REQUIRED FOR PROPER INSTALLATION. THE MAXIMUM PULL AND TENSILE FORCES PER ANCHORING POINT IS 630 LBS.

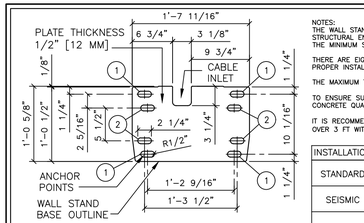
TO ENSURE PROPER ANCHORING, A MINIMUM CONCRETE THICKNESS OF 6 5/16" IS REQUIRED, WITH A MINIMUM CONCRETE QUALITY OF 3700 PSI.

IT IS RECOMMENDED THAT THE FLOOR SHALL BE TRUE, SMOOTH, AND LEVEL WITHIN 3/16" OVER 3 FT WITHIN A MINIMUM OF 3" AROUND ALL FOUR SIDES OF THE BASE, AS INDICATED BY THE SHADING.

THE TABLE BASE IS MOUNTED DIRECTLY TO THE FLOOR STRUCTURE WITH AREA IN THE DIRECT VICINITY OF THE BASE TO BE FREE OF ALL FLOOR FINISHES AND ADHESIVE.

REV 6

1	TABLE BASE DETAIL	SCALE: 1"=1'-0"



FRONT OF WALL STAND

1 MOUNTING HOLES
2 ALTERNATE MOUNTING HOLES

THERE IS CURRENTLY NO CHEMICAL ANCHOR SOLUTION, PROVIDED BY THE FACTORY, FOR THE MULTIX FUSION MAX.
UNTIL FURTHER NOTICE THE CHEMICAL SOLUTION PROVIDED BY EASE CO. MUST BE USED FOR THE MULTIX FUSION MAX.

NOTES:
THE WALL STAND MUST BE INSTALLED ON A SOLID STRUCTURE WITH SUFFICIENT LOADING BEARING CAPACITY. THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF THIS ANCHORING STRUCTURE. THE MINIMUM STRUCTURAL AREA TO INCLUDE THE WALL STAND BASE LOCATION AND THE AREA SURROUNDING THE BASE.

THERE ARE EIGHT HOLES IN THE WALL STAND BASE FOR ANCHORING. FOUR POINTS OUT OF EIGHT ARE REQUIRED FOR PROPER INSTALLATION.

THE MAXIMUM TENSILE FORCE PER ANCHOR POINT IS 697 LBS.

TO ENSURE SUFFICIENT ANCHORING, A MINIMUM CONCRETE THICKNESS OF 6 5/16" IS REQUIRED, WITH A MINIMUM CONCRETE QUALITY OF 3700 PSI.

IT IS RECOMMENDED THAT THE FLOOR SHALL BE TRUE, SMOOTH, AND LEVEL WITHIN 3/16" OVER 3 FT WITHIN A MINIMUM OF 3" AROUND ALL FOUR SIDES OF THE BASE.

INSTALLATION	ANCHOR	REQ'D THICKNESS	QTY. ANCHORS
STANDARD	HSL-4 M12/25	6 1/4" SOLID 3 1/8" MIN. EMBEDMENT	4 REQUESTED THRU MIV
SEISMIC	KWIK BOLT TZ 1/2"	4" SOLID 3 1/4" MIN. EMBEDMENT	4 REQUESTED THRU MIV
CHEMICAL	HIT-V M12 / 1/2"	4" SOLID 2 3/4" MIN. EMBEDMENT	4 REQUESTED THRU MIV
	HIT-HY 200 VR USED WITH FACTORY PROVIDED WASHERS		
CHEMICAL	HIT-HY 200 VR 1/2" THREADED ROD (GR36), 2" SQUARE X 17/32" I.D. X 1/4" PLATE WASHER (A36)		

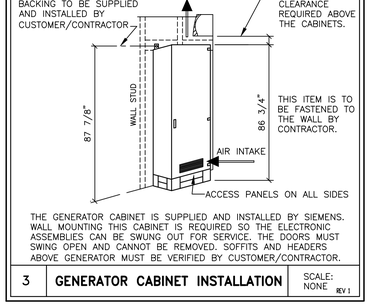
REV 8

2	WALL STAND BASE DETAIL	SCALE: 1"=1'-0"

ACCESSORY ITEMS MOUNTING

VARIOUS ACCESSORY ITEMS MAY BE PURCHASED WITH THIS SIEMENS SYSTEM THAT INCLUDE STORAGE BRACKETS FOR WALL MOUNTING. THE LOCATION OF THESE ITEMS WILL DEPEND ON EACH CUSTOMER'S PREFERANCE AND WORKFLOW. FOR ALL ACCESSORY ITEMS PURCHASED, THE CUSTOMER IS RESPONSIBLE FOR LOCATING AND INSTALLING ALL STORAGE BRACKETS, AND PROVIDING ANY NECESSARY BACKING OR MOUNTING SUPPORT FOR THESE ITEMS.

REV 0



THE GENERATOR CABINET IS SUPPLIED AND INSTALLED BY SIEMENS. WALL MOUNTING THIS CABINET IS REQUIRED SO THE ELECTRONIC ASSEMBLIES CAN BE SWUNG OUT FOR SERVICE. THE DOORS MUST SWING OPEN AND CANNOT BE REMOVED. SOFFITS AND HEADERS ABOVE GENERATOR MUST BE VERIFIED BY CUSTOMER/CONTRACTOR.

3	GENERATOR CABINET INSTALLATION	SCALE: NONE REV 1

CEILING PLAN LEGEND

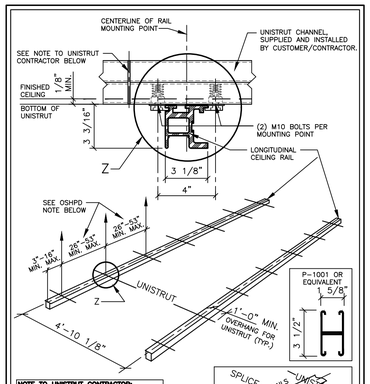
SUPPLIED/INSTALLED BY SIEMENS

SYM	DESCRIPTION	DET
A	LONGITUDINAL RAILS ATTACHED TO UNISTRUT	4
B	TRANSVERSE BRIDGE MOVES ALONG LONGITUDINAL RAILS	–
C	TELESCOPE MOVES ALONG TRANSVERSE BRIDGE	–
Z	LONGITUDINAL RAIL SUPPORT MOUNTING POINT BOLTED TO UNISTRUT FRAME	4,5

SUPPLIED/INSTALLED BY CUSTOMER/CONTRACTOR

SYM	DESCRIPTION	DET
X	"P-1001 OR EQUIVALENT" UNISTRUT MOUNTED 1/8" MIN. BELOW FINISHED CEILING. MUST BE LEVEL WITHIN ±1/8".	5

NOTE:
ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT SYSTEM.



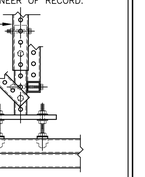
MOUNTING POINT "Z" IS TYPICAL OF ALL INTERSECTIONS OF UNISTRUT AND CEILING LONGITUDINAL RAILS. THE MAXIMUM LOAD PER MOUNTING POINT "Z" IS 1,125 LBS (EXCEPT WHERE SEISMIC LOADS GOVERN). SUB-STRUCTURE (I.E. UNISTRUT) DEFLECTION <1/16" OVER 3 FT.

MOUNTING DETAIL FOR 3M TRANSVERSE BRIDGE

4	CEILING RAILS	SCALE: NONE

STRUCTURAL NOTES

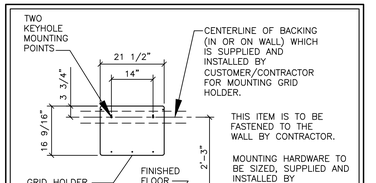
1) THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE INSTALLATION OF THE SIEMENS EQUIPMENT.
2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED, RIGID AND BRACED FOR SWAY.
3) ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE, LEVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET WITH A TRANSIT.
4) ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT SYSTEM.
5) MOUNTING PLATES, FRAMES, AND HARDWARE SUPPLIED BY SIEMENS AS DETAILED IN THIS DRAWING SET ARE INSTALLED BY SIEMENS UNLESS OTHERWISE REQUIRED. ANY DEVIATION FROM THE PROVIDED MATERIALS OR MOUNTING METHODS MUST BE DESIGNED AND DOCUMENTED BY THE STRUCTURAL ENGINEER OF RECORD. ALTERNATE MOUNTING MATERIALS (I.E. ANCHORS, THREADED ROD, BACKING PLATES, ETC.) MUST BE SUPPLIED BY THE CUSTOMER/CONTRACTOR. SIEMENS MAY REQUIRE ASSISTANCE FROM THE CUSTOMER/CONTRACTOR WITH INSTALLATION WHEN UTILIZING ALTERNATE MOUNTING MATERIALS.
6) ALL CEILING FIXTURES (I.E. AIR SUPPLY GRILLES, AIR RETURN GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE SMS CEILING MOUNTED EQUIPMENT.
7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CEILING MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE COVERSTRIPS FOR THE UNISTRUT.
8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUCTURAL PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE APPROVED BY SMS PLANNING DEPARTMENT.
9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF FLOOR, WALL, AND CEILING STRUCTURES IN ACCORDANCE WITH THE STRUCTURAL INFORMATION SHOWN, AND LOCAL GOVERNING BUILDING CODES.
10) ALL ANCHORS, SUPPORTS AND BRACES FOR SECURING THE SIEMENS EQUIPMENT ON THE UNDERSIDE OF THE CONCRETE SLAB (WHETHER SUPPLIED BY SIEMENS OR CONTRACTOR) SHALL BE SECURED IN A MANNER TO PREVENT THEM FROM FALLING DURING A DE-INSTALLATION. ALL WORK FOR SECURING THESE MOUNTS SHALL BE BY THE CONTRACTOR.



NOTE: UNISTRUT CHANNEL COVERS MUST BE SUPPLIED AND INSTALLED BY CONTRACTOR AFTER EQUIPMENT HAS BE MOUNTED TO THE CEILING.

THIS DETAIL SHOWS A UNIVERSAL TELESPAR DROP THAT IS TYPICAL OF THE STRUCTURAL SUPPORT SYSTEM USED FOR CEILING MOUNTED IMAGING EQUIPMENT. THE ACTUAL STRUCTURAL SUPPORT SYSTEM MUST BE DESIGNED, DETAILED AND SPECIFIED BY THE STRUCTURAL ENGINEER OF RECORD. UNLESS OTHERWISE SPECIFIED, THE CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL ALL SUPPORT MEMBERS AND NEEDED HARDWARE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT SYSTEM. SEE THE 1/4" SCALE PLAN FOR LOCATIONS AND SPACING OF P1001 UNISTRUT CHANNELS. REV 9

5	UNISTRUT DETAIL	SCALE: NONE



WT. = 22 #

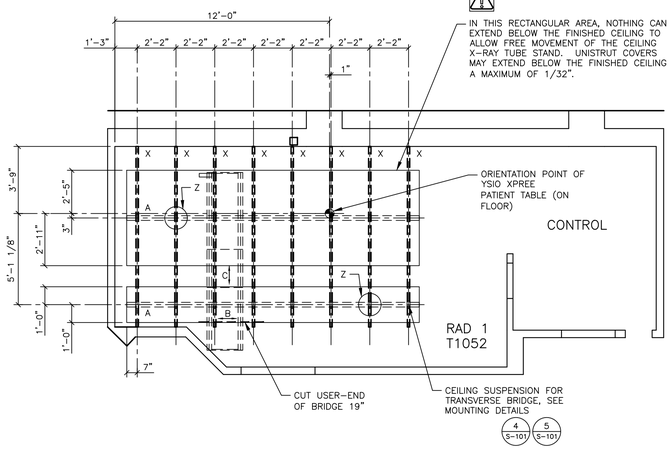
FRONT ELEVATION FOR SUGGESTED GRID HOLDER MOUNTING REV 2

6	HOLDER MOUNTING	SCALE: 1/2"=1'-0"

YSIO XPREE REV 13

STRUCTURAL CEILING PLAN

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



CEILING HEIGHT RANGE	RECOMMENDED CEILING HEIGHT
SEE CEILING HEIGHT REQUIREMENTS	
8'-9" TO 10'-2"	9'-6"

SYM	DATE	DESCRIPTION
0	11/18/25	2415088RC DATED 09/30/25 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

PROJECT MANAGER: JOAS AGUILAR VALLEJO
TEL: (817) 366-5832
VMAIL: EXT:
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SIEMENS

JPS HEALTH NETWORK
3301 STALCUP ROAD, FORT WORTH, TX 76119
RAD 1 T1052 - YSIO X.PREE

PROJECT #: 2415088
SHEET 3 OF 5
DRAWN BY: T. ARMACOST
SCALE: AS NOTED
REF. #: 30304669
DATE: 11/18/25
SHEET: S-101

ATTENTION:

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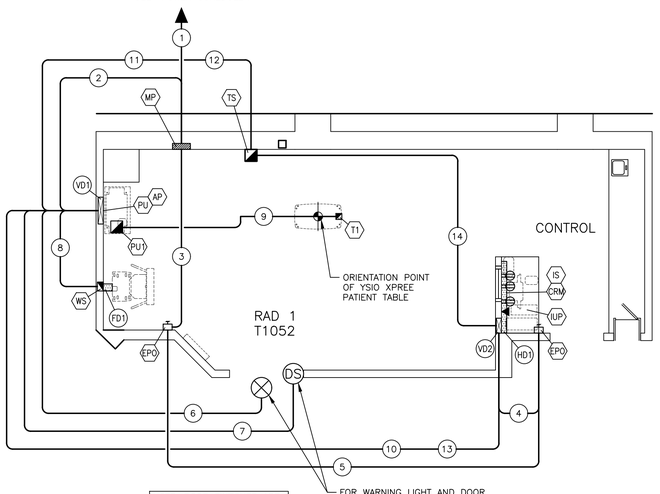
REFERENCE DOCUMENT - NOT FOR CONSTRUCTION



ELECTRICAL RACEWAY PLAN

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

CONDUIT LENGTH CALCULATIONS

FOR SITE SPECIFIC INSTANCES WHERE CABLES ARE BEING ROUTED IN A COMBINATION OF CONDUIT AND DUCTS, THE MAXIMUM LENGTH FOR THOSE CONDUITS, AS LISTED ON THE ELECTRICAL LEGEND, HAS BEEN CALCULATED BASED UPON THE DUCT LAYOUT SHOWN AND THE FOLLOWING ASSUMED VALUES:

1) VERTICAL DUCTS – 10'-0"
2) FLOOR PENETRATIONS THROUGH CONCRETE SLAB – 3'-0"

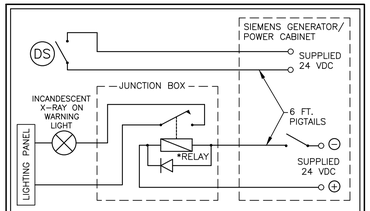
IF THE ACTUAL SITE SPECIFIC CONDITIONS EXCEED THESE ASSUMED VALUES AND/OR THE DUCT LOCATIONS ARE ALTERED, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO RECALCULATE THE MAXIMUM LENGTH OF THE CONDUITS EFFECTED.

REV 0

SYMBOLS

ALL MAY NOT APPLY

	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR
	OPENING IN RACEWAY OR TRENCHDUCT
	PULLBOX IN (FLOOR/WALL/CEILING)
	OPENING IN ACCESS FLOORING
	WARNING LIGHT (X-RAY ON)
DS	DOOR SAFETY SWITCH (OPTIONAL)
	(EPO) EMERGENCY POWER OFF BUTTON
	TRENCHDUCT
	CEILING DUCT
	UNDER FLOOR DUCT
	SURFACE DUCT
	VERTICAL DUCT
	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROJECT MANAGER).
	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.
	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET
L6-30R	SPECIAL PURPOSE RECEPTACLE



*NORMALLY OPEN RELAY WITH A 24 VOLT, DC COIL (NOT TO EXCEED 5 WATTS) AND A STEERING DIODE WIRED OVER THE RELAY COIL, SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. SIEMENS TO PROVIDE CONTROL SIGNAL TO RELAY. CONTRACTOR SUPPLIED AND INSTALLED JUNCTION BOX.

WARNING LIGHT AND DOOR SWITCH SCHEMATIC

1	AUXILIARY WIRING	SCALE: NONE REV 0

CABLE PROTECTION

CABLES ARE NOT PLENUM RATED. ALL CABLES MUST BE ROUTED IN CABLE DUCTS OR CABLE CONDUITS.

CONTRACTOR SUPPLIED ITEMS

ALL ITEMS, INCLUDING BUT NOT LIMITED TO CONDUITS, DUCTS, CIRCUIT BREAKERS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, AND WARNING LIGHTS, SHOWN IN THESE PLANS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER/ELECTRICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED.

CABLE LENGTH LIMITATIONS

THE CONDUITS ARE SHOWN SCHEMATICALLY IN THIS PLAN AND MUST BE RUN IN THE SHORTEST POSSIBLE DISTANCE BETWEEN TERMINATION POINTS. ANY VARIATION IN THE ROUTING OF DUCTS COULD RESULT IN CABLE LENGTH LIMITATIONS BEING EXCEEDED. THEREFORE, ANY CHANGES MUST BE APPROVED BY THE SIEMENS PROJECT MANAGER.

CABLE SEPARATION

THIS ELECTRICAL RACEWAY PLAN DEPICTED IN THIS DRAWING IS PLANNED ACCORDING TO SIEMENS SYSTEM REQUIREMENTS AND UL CERTIFICATION OF THIS SYSTEM. ADDITIONAL SEPARATION OF THE SYSTEM CABLE SETS INTO SEPARATE OR PARTITIONED RACEWAYS UNLESS OTHERWISE NOTED IS NOT NECESSARY TO ENSURE SEPARATION OF CIRCUITS. INTERCONNECTING CABLE SETS ARE TESTED AS PART OF THE SYSTEM, AND ARE NOT CONSIDERED PREMISE WIRING.

THE CUSTOMER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ADDITIONAL SEPARATION REQUIREMENTS INCLUDING, BUT NOT LIMITED TO: DETERMINING THE NEED FOR ADDITIONAL SEPARATION AND DETERMINING ANY ADDITIONAL ITEMS NEEDED OTHER THAN THOSE IDENTIFIED ON THIS PLAN.

ELECTRICAL LEGEND

SYM	SIZE	DESCRIPTION	REMARKS
		SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	
EM, ES	---	OPENING IN FACE OF "HD1". EXACT LOCATION AND SIZE TO BE DETERMINED AT TIME OF EQUIPMENT INSTALLATION IN COORDINATION WITH SIEMENS INSTALLATION PERSONNEL.	FOR CONTROL EQUIPMENT
EPO	---	EMERGENCY POWER OFF BUTTON WITH PROTECTIVE COVER, MOUNTED 5'-0" ABOVE THE FINISHED FLOOR.	SEE POWER SCHEDULE
UP	---	UPS FOR IMAGING SYSTEM, WIRED TO EPO CONTACTS.	SEE POWER SCHEDULE
MP	---	MAIN PANEL WITH MAIN BREAKER. EXACT LOCATION DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
PU, AP	18"x6"	OPENING IN FACE OF "VD1" AT THE FLOOR LINE. TO ACCOMMODATE CONDUIT TRANSITIONS, ADD A 12" x 12" JUNCTION BOX ATTACHED TO VERTICAL DUCT IN THE CEILING.	FOR GENERATOR W/ ACCESS POINT
PU	8"x8"x6"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR AND FITTED WITH WATERPROOF COVER.	SIZED BY ELEC. CONTRACTOR
T1	4"x4"x4"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR AND FITTED WITH WATERPROOF COVER.	FOR TABLE
TS	8"x8"x8"	PULL BOX MOUNTED FLUSH WITH FINISHED CEILING, WITH REMOVABLE COVER	FOR FULLY SYNCHRONIZED CEILING STAND
WS	6"x6"x4"	PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT THE FLOOR LINE AND FITTED WITH REMOVABLE COVER.	FOR WALL STAND
FB1	4 3/4"x1 3/4"	FLOOR DUCT (6" LONG WIREMOLD 4000 OR EQUIVALENT) SURFACE MOUNTED ON FLOOR FROM PULL BOX "WS" TO REAR OF WALL STAND BASE, TO PROVIDE COVER FOR CABLES.	FOR WALL STAND
HB1	6"x3 1/2"	HORIZONTAL DUCT SURFACE MOUNTED ON WALL JUST BELOW THE CONTROL COUNTER AND CONNECTED TO "VD2".	FOR CONTROL EQUIPMENT
WD	18"x3 1/2"	VERTICAL DUCT MOUNTED FLUSH WITH FINISHED WALL FROM ABOVE FINISHED CEILING TO END AT THE FLOOR LINE. THIS DUCT MUST BE DIVIDED INTO THREE EQUAL SECTIONS, TO PROVIDE FOR SEPARATION OF POWER CABLES.	FOR GENERATOR
WD	10"x3 1/2"	VERTICAL DUCT MOUNTED FLUSH WITH FINISHED WALL FROM ABOVE FINISHED CEILING TO END AT THE FLOOR LINE. THIS DUCT MUST BE DIVIDED INTO TWO SECTIONS: ONE 4" SECTION AND ONE 6" SECTIONS, TO PROVIDE FOR SEPARATION OF POWER CABLES.	FOR CONTROL EQUIPMENT
	–	NOTE: WARNING LIGHTS AND DOOR SWITCHES ARE SUPPLIED AND INSTALLED BY THE CUSTOMER/CONTRACTOR. SEE "AUXILIARY WIRING" DETAIL.	
1	AS REQUIRED	CONDUIT FROM POWER SOURCE TO MAIN PANEL (MP).	SIZED BY ELEC. CONTRACTOR
2	---	CONDUIT FROM "MP" TO "VD1" (PU). (POWER TO "PU")	SIZED BY ELEC. CONTRACTOR
3	---	CONDUIT FROM "MP" TO "EPO".	SIZED BY ELEC. CONTRACTOR
4	---	CONDUIT FROM "VD2" (IUP) TO "EPO" (IMAGE SYSTEM UPS WIRED TO EPO CONTACTS).	SIZED BY ELEC. CONTRACTOR
5	AS REQUIRED	CONDUIT FROM "EPO" TO "EPO".	SIZED BY ELEC. CONTRACTOR
6	AS REQUIRED	CONDUIT FROM "VD1" (PU) VIA RELAY CIRCUITRY TO WARNING LIGHT.	SIZED BY ELEC. CONTRACTOR
7	AS REQUIRED	CONDUIT FROM "VD1" (PU) TO DOOR SWITCH.	SIZED BY ELEC. CONTRACTOR
8	3" DIA.	CONDUIT FROM "VD1" (PU) TO "WS".	MAX. CONDUIT LENGTH 23 FT.
9	2 1/2" DIA.	CONDUIT FROM "PU1" TO "T1".	MAX. CONDUIT LENGTH 30 FT.
10	(2) 2" DIA.	CONDUITS FROM "VD1" (PU) TO "VD2" (IS).	MAX. CONDUIT LENGTH 35 FT.
11	(2) 2 1/2" DIA.	CONDUITS FROM "VD1" (PU) TO "TS".	MAX. CONDUIT LENGTH 19.5 FT.
12	2" DIA.	CONDUIT FROM "VD1" (PU) TO "TS".	MAX. CONDUIT LENGTH 19.5 FT.
13	2 1/2" DIA.	CONDUITS FROM "VD1" (PU)" TO "VD2" (CRM).	MAX. CONDUIT LENGTH 35 FT.
14	1 1/2" DIA.	CONDUIT FROM "VD2" (IS) TO "TS".	MAX. CONDUIT LENGTH 81 FT.

CONTRACTOR SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
PANEL	1	MP	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER SCHEDULE.
MP	2,VD1	PU	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER SCHEDULE
MP	3	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER SCHEDULE
IUP	HD1,VD2,4	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER SCHEDULE
EPO	5	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER SCHEDULE
PU	VD1,6	WL	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE AUXILIARY WIRING DTL.
PU	VD1,7	DS	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE AUXILIARY WIRING DTL.

SIEMENS SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
PU	VD1,8	WS	W150F / W150E / W150X BUNDLES (INCLUDES 300V, 125V AND DATA CABLES)	MAX. LENGTH 36 FT.
PU1	9	T1	W140P / W140F BUNDLE (INCLUDES 300V, 30V, 600V AND 125V CABLES)	MAX. LENGTH 36 FT.
PU	VD1,10,VD2,HD1	IS	W500, W610 BUNDLES (INCLUDES 300V AND FIBER OPTIC CABLES)	MAX. LENGTH 59 FT.
PU	VD1,10,VD2,HD1	IS	W500, W610, W150E BUNDLES (INCLUDES 30V AND FIBER OPTIC CABLES)	MAX. LENGTH 59 FT.
PU	VD1,11,12	TS	HIGH TENSION CABLES, W110 BUNDLE (INCLUDES 30V, 300V, 600V AND FIBER OPTIC CABLES).	MAX. LENGTH 32.5 FT.
PU	VD1,13,VD2,HD1	CRM	W310 (300 V CABLE)	MAX. LENGTH 59 FT.
IS	HD1,VD2,14	TS	FIBER OPTIC CAMERA CABLES	MAX. LENGTH 98 FT.

CEILING HEIGHT RANGE	RECOMMENDED CEILING HEIGHT
SEE CEILING HEIGHT REQUIREMENTS	
8'-9" TO 10'-2"	9'-6"

ELECTRICAL NOTES

1) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA-70), O.S.H.A. REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF CITY, COUNTY, STATE AND FEDERAL AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE AND NEMA STANDARDS AND ARE U.L. LISTED AND LABELED. THE CUSTOMER'S/CONTRACTOR'S WORK AND ALL EQUIPMENT INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED/ENFORCED BY THE AUTHORITY HAVING JURISDICTION.

2) QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT INTO THE EXISTING STRUCTURE AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST OR BE DISCOVERED THAT PREVENT THE INSTALLATION OF WORK AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION OF EQUIPMENT, OR THE PERFORMANCE OF ANY WORK THAT MAY BE AFFECTED. DO NOT ALTER DRAWINGS, DIMENSIONS, OR SPECIFICATIONS IN ANY WAY WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SIEMENS PROJECT MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY THE SIEMENS PROJECT MANAGER.

3) POWER SUPPLY SOURCE: POWER SUPPLIES FOR SIEMENS HEALTHCARE EQUIPMENT SHALL BE FROM A MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT THAT IS A GROUNDED 3 OR 4-WIRE 'WYE' SOURCE PER THE SPECIFIC EQUIPMENT OPERATION REQUIREMENTS. A DEDICATED CIRCUIT SHALL BE PROVIDED THAT IS KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING. NO ELEVATORS, GENERATORS, PUMPS, HVAC OR SIMILAR EQUIPMENT SHALL BE CONNECTED TO THE SAME CIRCUIT OR MEDICAL IMAGING PANEL THAT SERVES THE SIEMENS HEALTHCARE EQUIPMENT. IF THE POWER SUPPLY SOURCE DOES NOT MEET THE SPECIFIC SIEMENS EQUIPMENT POWER REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT REQUIRED TO ESTABLISH THE POWER SUPPLY IN ACCORDANCE WITH THE REQUIRED POWER SUPPLY PARAMETERS OF THE SIEMENS EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER AND/OR UTILITY COMPANY FIELD REPRESENTATIVE.

4) WORK FURNISHED BY CUSTOMER/CONTRACTOR: WORK NOT PROVIDED BY SIEMENS HEALTHCARE BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING, UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHS, PULL BOXES, CONDUITS, CIRCUIT BREAKERS, ACCESS PANELS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING.

5) RACEWAY AND CONDUIT NOTES: ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE.

CONDUIT BODIES SHALL NOT BE USED. WHERE A CONDUIT ENTERS A BOX, FITTING, OR OTHER ENCLOSURE, AN INSULATED THROAT CONNECTOR SHALL BE PROVIDED TO PROTECT THE WIRE FROM ABRASION. ALL CONNECTORS FOR EMT SHALL BE COMPRESSION OR DOUBLE SET SCREW TYPE.

KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES OR STEAM AND HOT WATER PIPES. INSTALL RACEWAY RUNS ABOVE WATER AND STEAM PIPES PROVIDED THAT CABLE RUN DISTANCES ARE MAINTAINED. USE TEMPORARY CLOSURES TO PREVENT FOREIGN MATTER FROM ENTERING RACEWAY.

CONDUIT RUNS ARE SHOWN SCHEMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDING CONSTRUCTION AND OBSTRUCTIONS, EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL MAKE CERTAIN THAT ANY CONDUIT/RACEWAY RUNS CONTAINING SIEMENS HEALTHCARE CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS. LISTED CONDUIT SIZES FOR SIEMENS-SUPPLIED CABLES MUST BE MAINTAINED IN ORDER TO ENABLE THE TOTAL CABLE BUNDLE INCLUDING CONNECTORS TO BE PULLED THROUGH WITHOUT DAMAGE.

PROVIDE ENCLOSED METAL WIRE DUCT RACEWAY SYSTEM WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT INTO TWO OR THREE SEPARATE COMPARTMENTS AS SHOWN ON THE SIEMENS PLANS (FOR POWER AND SIEMENS HEALTHCARE CABLING). DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE UL SYSTEM CERTIFICATION OF THE EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS, UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF CIRCUITS.

PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF BUILDING MATERIAL OPENINGS (I.E. ACCESS PANELS) TO BE CUT IN FIELD ARE TO BE COORDINATED WITH THE DRAWING REQUIRMENTS AND BUILDING STRUCTURE. THOSE THAT ARE NOT INDICATED OR INTERFER WITH BUILDING ELEMENTS SHALL BE COORDINATED WITH SIEMENS PROJECT MANAGER. ELECTRICAL PULL BOXES AND RACEWAY COVERS SHALL BE INSTALLED IN A MANNER TO ALLOW ACCESSIBILITY FOR INSTALLATION AND MAINTENANCE. CONTRACTORS MUST PROVIDE PULL STRINGS FOR ALL CONDUIT AND WIRE DUCT/RACEWAY. IN-FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS.

WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED HIGHER THAN 14 FEET ABOVE FINISHED FLOOR, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP THE SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED ABOVE A HARD CEILING (I.E. SHEET ROCK), A 24" x 24" ACCESS PANEL IS REQUIRED AT EACH JUNCTION BOX AND WITHIN 2 FEET OF EACH RACEWAY TRANSITION (SUCH AS A 90 DEGREE ELBOW OR TEE) IN DUCT/RACEWAY. THERE MUST BE FREE AND CLEAR ACCESS TO JUNCTION BOXES AND WIRE DUCT/RACEWAY. WHEN ACCESS PANELS ARE LOCATED MORE THAN 3 FEET FROM JUNCTION BOXES AND WIRE DUCT/RACEWAY THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE.

6) WIRING: ALL WIRING INSTALLED SHALL BE 600 VOLT CLASS, STRANDED TYPE THHN/THWN-2, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 90° C (194° F), SIZED AS INDICATED, INSTALLED IN METAL RACEWAYS. THE CUSTOMER/CONTRACTOR SHALL LEAVE A MINIMUM 10 FEET OF WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY THE CUSTOMER/ELECTRICAL CONTRACTOR.

7) SHORT CIRCUIT REQUIREMENTS: ALL CIRCUIT BREAKERS SUPPLIED FOR THE SIEMENS EQUIPMENT REQUIREMENTS SHALL BE RATED HIGHER THAN THE SHORT CIRCUIT AVAILABLE AT THE TERMINALS OF THE ELECTRICAL EQUIPMENT AS DETERMINED BY THE ENGINEER OF RECORD, BUT NOT LESS THAN 35,000A RMS SYMMETRICAL AT 480V, 3-PHASE, 60 HERTZ. THE CONTRACTOR SHALL OBTAIN THE CORRECT SHORT CIRCUIT CURRENT RATING OF ALL THE NEW EQUIPMENT FOR INSTALLATION FROM THE ENGINEER OF RECORD.

YSIO XPREE
REV 13

SYM	DATE	DESCRIPTION
0	11/18/25	241508BRC DATED 09/30/25 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

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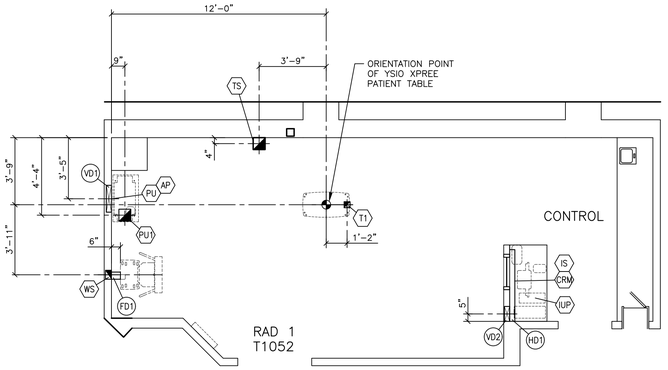
PROJECT #: 2415088
SHEET: E-101
SHEET 4 OF 5
DRAWN BY: T. ARMACOST
SCALE: AS NOTED
REF. #: 30304669
DATE: 11/18/25

ATTENTION:

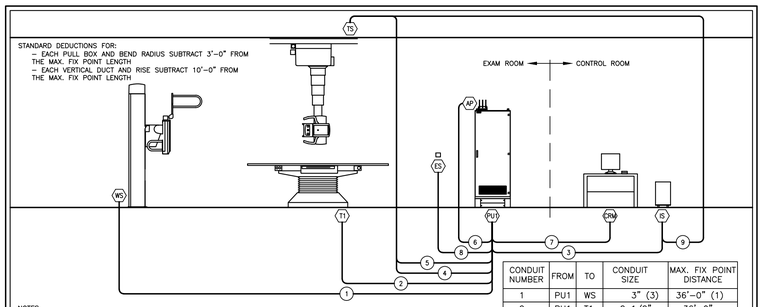
- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.
- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
- THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

NOT FOR CONSTRUCTION - REFERENCE DOCUMENT



ELECTRICAL DIMENSION PLAN

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



NOTES:
1. EXTENDED CABLE SET AVAILABLE FOR "PU1" TO "WS" (MAX. LENGTH W/ EXT. = 52'–6")
2. MAXIMUM FIX POINT DISTANCE "AP" TO "PU1"/"IS":
   19'–6" FOR GENERATOR MOUNTED INSTALLATIONS VIA PU1.
   82'–0" FOR WALL MOUNTED INSTALLATIONS VIA "IS".
3. CONDUIT SIZED FOR SPLICED CABLE PROVIDED WITH 5M (16 FT.) CABLE EXTENSION, AND/OR W150E CABLES FOR STATIC DETECTOR.
4. ESTOPS APPLY TO FULLY–AUTOMATED SYSTEMS ONLY.

CONDUIT NUMBERS SHOWN IN THIS ILLUSTRATION APPLY ONLY TO THE LEGEND SHOWN. THERE IS NO CORRELATION TO THE CONDUIT NUMBERS SHOWN ON ANY FINAL DRAWING FOR A SPECIFIC SITE PLAN.

CONDUIT NUMBER	FROM	TO	CONDUIT SIZE	MAX. FIX POINT DISTANCE
1	PU1	WS	3" (3)	36'–0" (1)
2	PU1	T1	2 1/2"	36'–0"
3	PU1	IS	2– 2"	59'–0"
4	PU1	TS	2– 2 1/2"	32'–6"
5	PU1	TS	2 1/2"	32'–6"
6	PU1	AP	1 1/2"	(2)
7	PU1	CRM	2 1/2"	59'–0"
8 (4)	PU1	ES	1"	60'–0"
9	IS	TS	1 1/2"	98'–0"

( ) – REFER TO NOTES

– YSIO XPREE CONNECTION DIAGRAM — SCALE: NONE

POLYDOROS R80–2 80kW

X–RAY GENERATOR POWER REQUIREMENTS

INCOMING POWER:	480V WYE, 3 PHASE, 60Hz
CIRCUIT BREAKER:	80 AMPS.
GENERATOR OUTPUT:	80 kW
ALLOWABLE IMPEDANCE:	≤ 0.16 Ω
MAXIMUM MOMENTARY LOAD:	126 kVA
LINE VOLTAGE VARIATION:	± 10% MAX.
PHASE IMBALANCE:	± 2%
FREQUENCY VARIATION:	± 1 Hz

NOTE:

ALL INCOMING POWER SUPPLIES, FOR THE SIEMENS EQUIPMENT, ARE TO BE DEDICATED (BACK TO SOURCE) ISOLATED AND INSULATED FROM ANY OTHER EQUIPMENT, SUCH AS, ELEVATORS, GENERATORS, HVAC SYSTEMS, ETC.

A NEUTRAL CONDUCTOR IS NOT USED FOR THE LINE VOLTAGE CONNECTION TO THE SIEMENS EQUIPMENT.

IF AN ON–SITE TRANSFORMER IS REQUIRED TO OBTAIN XP MODALITY OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE REQUIREMENTS (TRANSFORMER & CONDUCTORS).

ATTENTION:

SIEMENS MEDICAL SYSTEMS, INC. RECOMMENDS THAT THE INCOMING POWER LINES BE ANALYZED WITH RESPECT TO TRANSIENT SURGES AND IMPULSES, SAGS, AND OVERVOLTAGES.

GROUNDING NOTES

EQUIPMENT GROUNDING CONDUCTOR TO COMPLY WITH THE FOLLOWING:

1) SIZE GROUNDING WIRE TO SIEMENS EQUIPMENT PER POWER SCHEDULE REQUIREMENTS.
2) DERIVED FROM THE ELECTRICAL SERVICE, TRANSFORMER OR MAIN DISTRIBUTION PANEL FEEDING THE SIEMENS EQUIPMENT.
3) RUN IN THE SAME CONDUIT, TROUGH OR RACEWAY AS THE PHASE CONDUCTORS.
4) CONTINUOUS, WITH NO BREAKS OR USE OF CONDUIT, CHASSIS OR EARTH AS THE SOLE GROUNDING PATH.
5) BONDED TO CHASSIS AND/OR CONDUIT IN ACCORDANCE WITH THE NEC REQUIREMENTS.
6) MINIMIZE CONNECTIONS OR TERMINALS TO ENSURE CONTINUITY OVER THE LIFE OF THE INSTALLATION.
7) AS A NORM, THERE SHOULD NOT BE ANY CURRENT PRESENCE ON THE GROUND CONDUCTOR, BUT IT IS ACCEPTABLE TO HAVE <u>≤500mA</u> DURING OPERATION OF THE IMAGING EQUIPMENT.

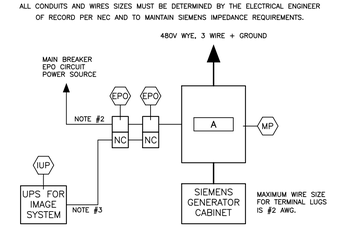
POWER QUALITY

POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

IT IS IN THE CUSTOMER'S INTEREST THAT THE ELECTRICAL CONTRACTOR BE RESPONSIBLE FOR TESTING AND VERIFYING THAT THE EQUIPMENT POWER SUPPLY COMPLIES WITH THE SIEMENS SPECIFICATIONS.

POWER SCHEDULE

ALL CONDUITS AND WIRES SIZES MUST BE DETERMINED BY THE ELECTRICAL ENGINEER OF RECORD PER NEC AND TO MAINTAIN SIEMENS IMPEDANCE REQUIREMENTS.



ITEM	QTY	DESCRIPTION
MP	1	MAIN PANEL WITH CIRCUIT BREAKER FLUSH OR SURFACE MOUNTED.
A	1	BREAKER MUST HAVE TRIPPING DEVICE SO WHEN ANY EPO IS PRESSED THE BREAKER TRIPS.
		BREAKER AMPS: SEE POWER REQUIREMENTS

VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
480 WYE	3	0	1	4 (NOTE 1)

1) ALL WIRES MUST BE SAME SIZE.

NOTE: UNLESS OTHERWISE NOTED, ALL BREAKERS WILL BE 80% RATED

EPO	VARIES	NOTE 2 – EPO CIRCUIT #1 MAIN CIRCUIT BREAKER EMERGENCY POWER OFF BUTTON WITH PROTECTIVE COVER THAT PREVENTS ACCIDENTAL ACTIVATION. THE EPO MUST BE OF FAIL–SAFE DESIGN. ALL EPO'S TO HAVE <u>MECHANICAL LATCHING MECHANISM</u>. EPO MUST BE RESET BEFORE MAIN BREAKER CAN RESUME OPERATION. CONTACTS AND WIRING CONFIGURATION TO BE DESIGNED BY ELECTRICAL ENGINEER OF RECORD. NOTE 3 – EPO CIRCUIT #2 EPO CONTACTS TO BE <u>NORMALLY CLOSED</u>, WIRED IN SERIES, CONNECTED TO UPS ONLY. THE EPOs MUST BE INSTALLED BY A QUALIFIED ELECTRICAL CONTRACTOR ACCORDING TO NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS. MEASURES SHOULD BE TAKEN TO DESIGN THE CIRCUIT IN SUCH A WAY THAT IT WILL ALWAYS WORK WHEN THE MEDICAL EQUIPMENT IS POWERED. THE CUSTOMER IS SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE EPOs AND THEIR ASSOCIATED CIRCUITS AND MUST MAKE THE FINAL DETERMINATION CONSIDERING ALL SITE CONDITIONS AND REGULATORY FACTORS.

ALL ITEMS LISTED IN THIS SCHEDULE SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

YSIO XPREE
REV 13

SYM	DATE	DESCRIPTION
0	11/18/25	2415088RC DATED 09/30/25 APPROVED BY CUSTOMER FOR FINALS

–ISSUE BLOCK–

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PROJECT #: 2415088
SHEET OF 5 5
DRAWN BY: T. ARMACOST
DATE: 11/18/25
SCALE: AS NOTED
REF. #: 30304669

SHEET: E-102

ATTENTION:

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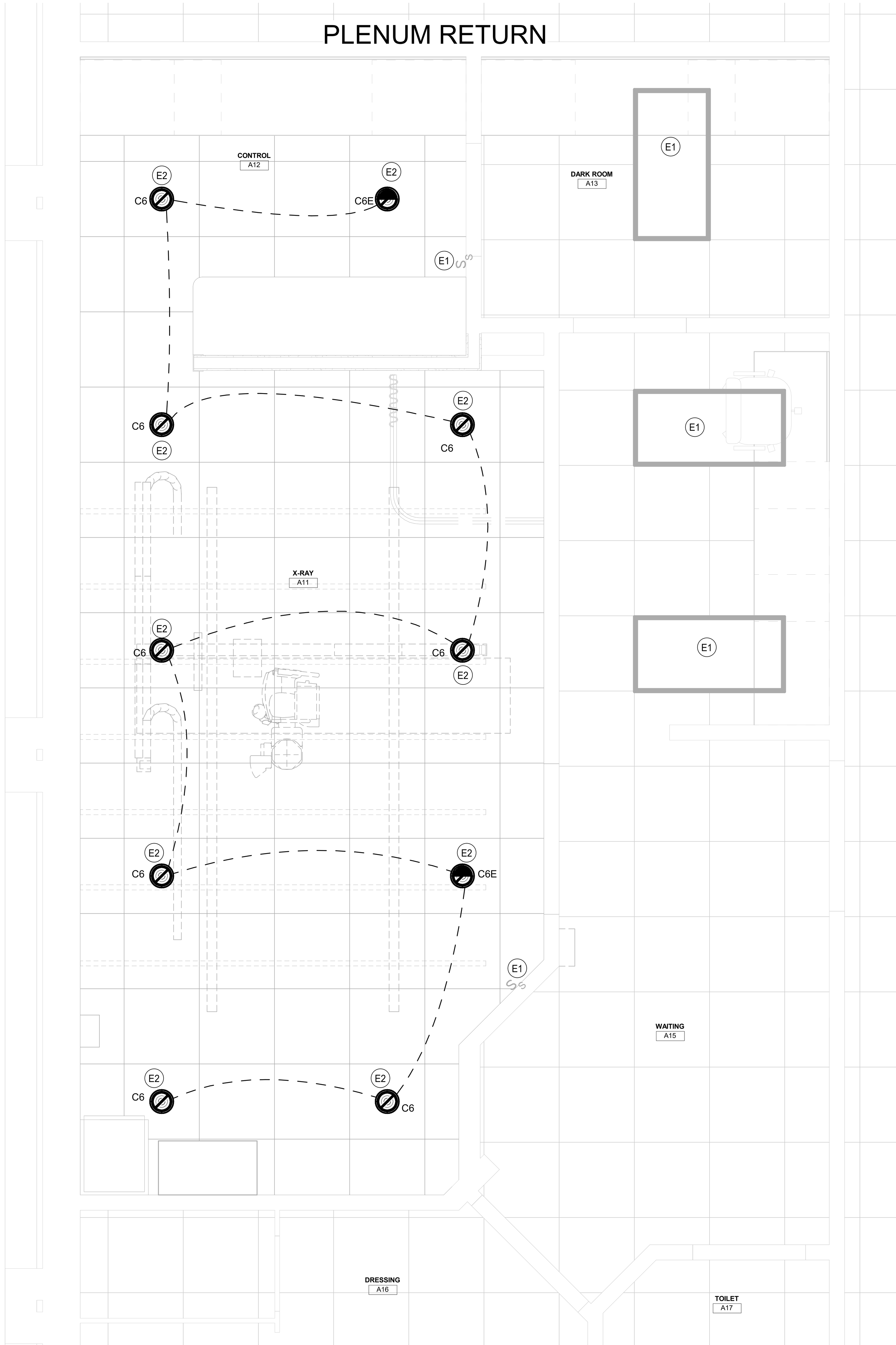
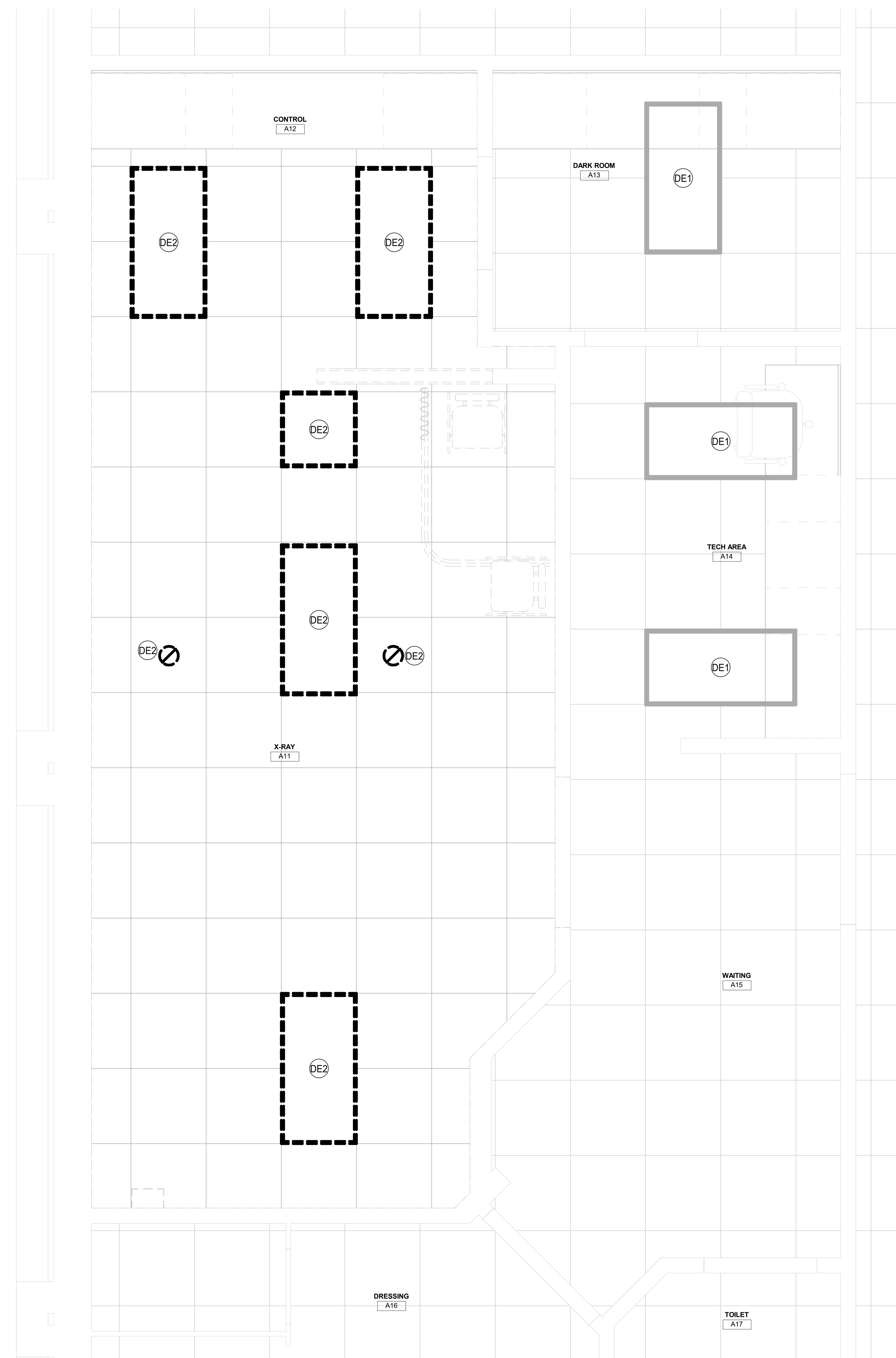
NOT FOR CONSTRUCTION – REFERENCE DOCUMENT –

ELECTRICAL KEYNOTES - LIGHTING	
Key Value	Keynote Text
E1	EXISTING TO REMAIN ELECTRICAL / DATA / FIRE ALARM / FIRE PROTECTION DEVICE UNLESS NOTED OTHERWISE. REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED. RECIRCUIT AS SHOWN IF INDICATED.
E2	EC TO FURNISH AND INSTALL NEW RECEPTACLE/FIXTURE/LIGHTING CONTROLS/DATA/FIRE ALARM DEVICE SHOWN. EC TO REUSE EXISTING LOCAL CIRCUIT/CONTROLS(UNLESS NOTED OTHERWISE) IF POWER REQUIRED. EC TO VERIFY LOADS DO NOT OVERLOAD EXISTING CIRCUIT. NO MORE THAN 5 DUPLEX RECEPTACLES PER CIRCUIT FOR POWER. EC TO INSTALL NEW 20A/1P CIRCUITS WITH NEW BREAKERS IN NEW PANEL AS NEEDED.
E3	EC TO FURNISH AND INSTALL NEW CONDUIT AND WIRES. REFER TO ELECTRICAL RISERS FOR DETAILS.
E4	EC TO FURNISH AND INSTALL NEW FLUSH MOUNTED ENCLOSED CIRCUIT BREAKER. REFER TO ELECTRICAL RISER FOR DETAILS.
E5	EC TO RELOCATE EXISTING ELECTRICAL / LIGHT / POWER / DATA / FIRE ALARM / FIRE PROTECTION DEVICE(S) TO LOCATION SHOWN.
E6	EC TO INSTALL NEW EPO BUTTON. REFER TO ELECTRICAL RISER FOR DETAILS. COORDINATE WITH SHUNT TRIP BREAKER IN ECB. COORDINATE EXACT LOCATION WITH OWNER, INSTALLATION MUST BE INSTALLED PER NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS.

ELECTRICAL DEMOLITION KEYNOTES - LIGHTING	
Key Value	Keynote Text
DE1	EXISTING TO REMAIN ELECTRICAL / DATA / FIRE ALARM / FIRE PROTECTION DEVICE. REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED.
DE2	EC TO DEMOLISH EXISTING ELECTRICAL / LIGHT / LIGHTING CONTROLS / POWER / DATA / FIRE ALARM / FIRE PROTECTION DEVICE(S), REUSE CIRCUIT(S) FOR NEW POWER / DATA DEVICES SHOWN ON NEW PLAN
DE3	EC TO DEMOLISH EXISTING CONDUIT AND WIRES. REFER TO ELECTRICAL RISERS FOR DETAILS. EC TO VERIFY EXACT LOCATION IN FIELD.
DE4	EC TO DEMOLISH EXISTING POWER TO X-RAY MACHINE. REFER TO ELECTRICAL RISERS FOR DETAILS. EC TO VERIFY EXACT LOCATION IN FIELD.
DE5	EC TO DEMOLISH EXISTING FLUSH MOUNTED ENCLOSED CIRCUIT BREAKER. REFER TO ELECTRICAL RISERS FOR DETAILS. EC TO VERIFY EXACT LOCATION IN FIELD.
DE6	EC TO RELOCATE EXISTING ELECTRICAL / LIGHT / POWER / DATA / FIRE ALARM / FIRE PROTECTION DEVICE(S) TO LOCATION SHOWN ON NEW PLAN



1 Lighting Plan
1/2" = 1'-0"



2 Lighting Demolition Plan
1/2" = 1'-0"

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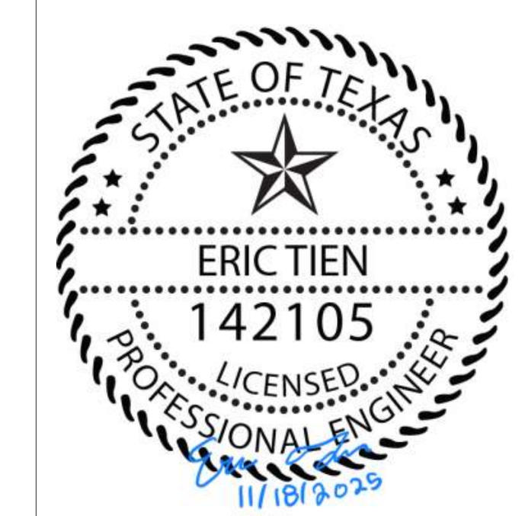

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PROJECT
JPS HEALTH NETWORK
STOP SIX X-RAY REPLACEMNET
3301 STALCUP ROAD
FORT WORTH, TX 76119

DRAWING ISSUE / REVISION		
NO.	DESCRIPTION	DATE

Drawing Title
Lighting Plan - First Floor

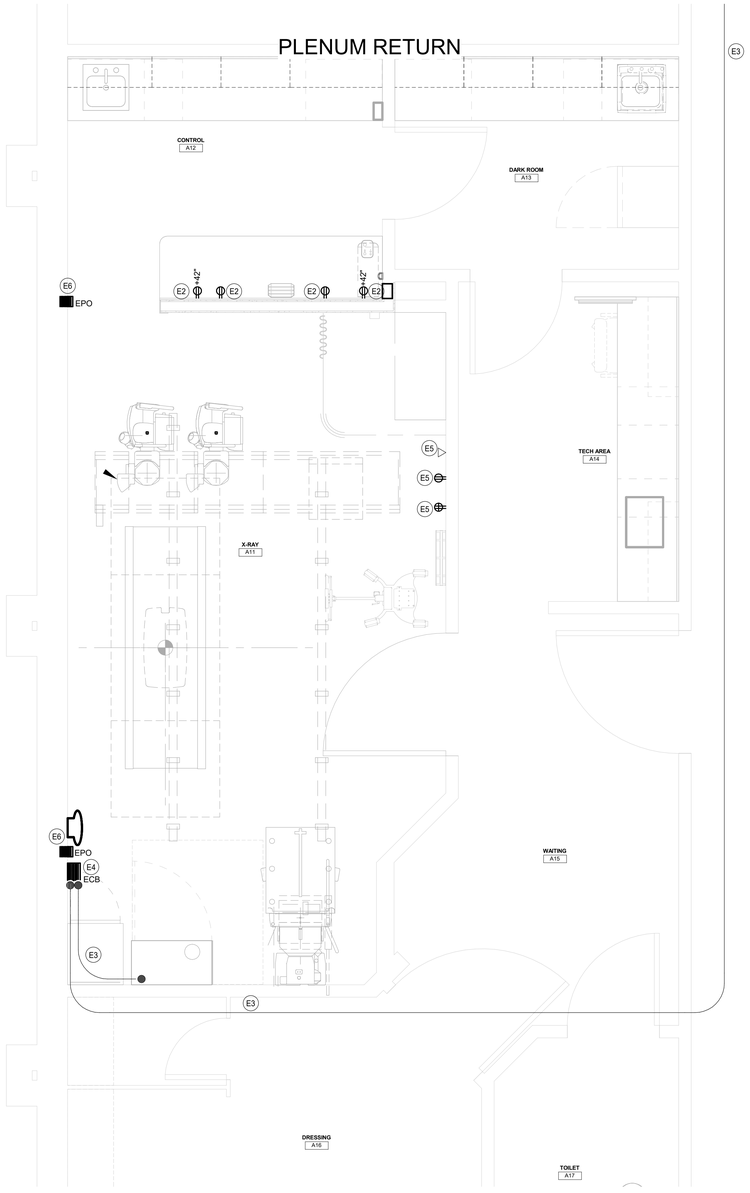
Drawing No.
E101

Scale			
Dwg By	ET	Check By	FA
		Consult. Job No.	250309

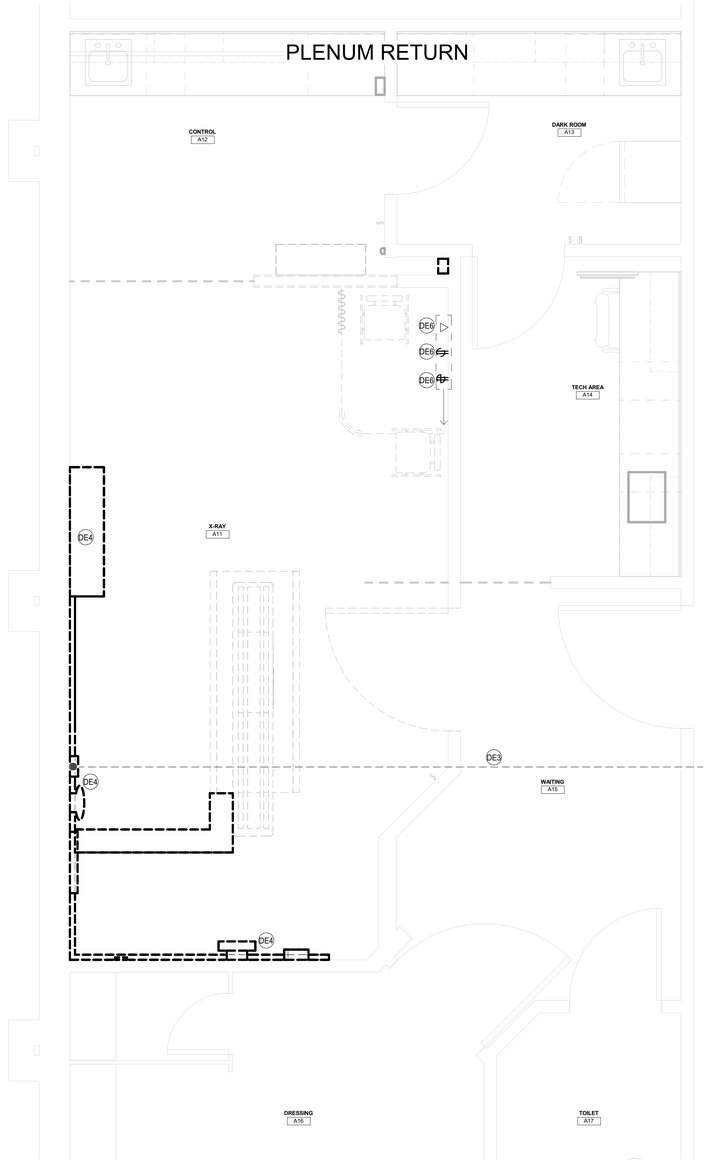
ELECTRICAL KEYNOTES - POWER	
Key Value	Keynote Text
E1	EXISTING TO REMAIN ELECTRICAL / DATA / FIRE ALARM / FIRE PROTECTION DEVICE UNLESS NOTED OTHERWISE. REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED. RECIRCUIT AS SHOWN IF INDICATED.
E2	EC TO FURNISH AND INSTALL NEW RECEPTACLE/FIXTURE/LIGHTING CONTROLS/DATA/FIRE ALARM DEVICE SHOWN. EC TO REUSE EXISTING LOCAL CIRCUIT/CONTROLS(UNLESS NOTED OTHERWISE) IF POWER REQUIRED. EC TO VERIFY LOADS DO NOT OVERLOAD EXISTING CIRCUIT. NO MORE THAN 5 DUPLEX RECEPTACLES PER CIRCUIT FOR POWER. EC TO INSTALL NEW 20A/1P CIRCUITS WITH NEW BREAKERS IN NEW PANEL AS NEEDED.
E3	EC TO FURNISH AND INSTALL NEW CONDUIT AND WIRES. REFER TO ELECTRICAL RISERS FOR DETAILS.
E4	EC TO FURNISH AND INSTALL NEW FLUSH MOUNTED ENCLOSED CIRCUIT BREAKER. REFER TO ELECTRICAL RISER FOR DETAILS.
E5	EC TO RELOCATE EXISTING ELECTRICAL / LIGHT / POWER / DATA / FIRE ALARM / FIRE PROTECTION DEVICE(S) TO LOCATION SHOWN.
E6	EC TO INSTALL NEW EPO BUTTON. REFER TO ELECTRICAL RISER FOR DETAILS. COORDINATE WITH SHUNT TRIP BREAKER IN ECB. COORDINATE EXACT LOCATION WITH OWNER, INSTALLATION MUST BE INSTALLED PER NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS.

ELECTRICAL DEMOLITION KEYNOTES - POWER	
Key Value	Keynote Text
DE1	EXISTING TO REMAIN ELECTRICAL / DATA / FIRE ALARM / FIRE PROTECTION DEVICE. REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED.
DE2	EC TO DEMOLISH EXISTING ELECTRICAL / LIGHT / LIGHTING CONTROLS / POWER / DATA / FIRE ALARM / FIRE PROTECTION DEVICE(S), REUSE CIRCUIT(S) FOR NEW POWER / DATA DEVICES SHOWN ON NEW PLAN
DE3	EC TO DEMOLISH EXISTING CONDUIT AND WIRES. REFER TO ELECTRICAL RISERS FOR DETAILS. EC TO VERIFY EXACT LOCATION IN FIELD.
DE4	EC TO DEMOLISH EXISTING POWER TO X-RAY MACHINE. REFER TO ELECTRICAL RISERS FOR DETAILS. EC TO VERIFY EXACT LOCATION IN FIELD.
DE5	EC TO DEMOLISH EXISTING FLUSH MOUNTED ENCLOSED CIRCUIT BREAKER. REFER TO ELECTRICAL RISERS FOR DETAILS. EC TO VERIFY EXACT LOCATION IN FIELD.
DE6	EC TO RELOCATE EXISTING ELECTRICAL / LIGHT / POWER / DATA / FIRE ALARM / FIRE PROTECTION DEVICE(S) TO LOCATION SHOWN ON NEW PLAN

THE EC IS FULLY RESPONSIBLE FOR CAREFULLY REVIEWING AND INCORPORATING ALL ELECTRICAL SCOPE AND COORDINATION ITEMS SHOWN ON THE SIEMENS X-RAY DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL CONDUIT, CABLES, CONDUCTORS, AND ASSOCIATED MATERIALS. THE EC SHALL ALSO FOLLOW THE ELECTRICAL RACEWAY PLAN; UNDERFLOOR CONDUIT SHOWN THEREIN IS PART OF THE EC'S SCOPE OF WORK.



1 Power Plan
1/2" = 1'-0"



2 Power Demolition Plan
1/2" = 1'-0"

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STATE OF TEXAS
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PROJECT
JPS HEALTH NETWORK
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DRAWING ISSUE / REVISION		
NO.	DESCRIPTION	DATE

Drawing Title
Power Plan - First Floor

Drawing No.
E201

Scale			
Dwg By	ET	Check By	FA
		Consult. Job No.	250309

ELECTRICAL KEYNOTES - POWER	
Key Value	Keynote Text
E1	EXISTING TO REMAIN ELECTRICAL / DATA / FIRE ALARM / FIRE PROTECTION DEVICE UNLESS NOTED OTHERWISE. REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED. RECIRCUIT AS SHOWN IF INDICATED.
E2	EC TO FURNISH AND INSTALL NEW RECEPTACLE/FIXTURE/LIGHTING CONTROLS/DATA/FIRE ALARM DEVICE SHOWN. EC TO REUSE EXISTING LOCAL CIRCUIT/CONTROLS(UNLESS NOTED OTHERWISE) IF POWER REQUIRED. EC TO VERIFY LOADS DO NOT OVERLOAD EXISTING CIRCUIT. NO MORE THAN 5 DUPLEX RECEPTACLES PER CIRCUIT FOR POWER. EC TO INSTALL NEW 20A/1P CIRCUITS WITH NEW BREAKERS IN NEW PANEL AS NEEDED.
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ELECTRICAL DEMOLITION KEYNOTES - POWER	
Key Value	Keynote Text
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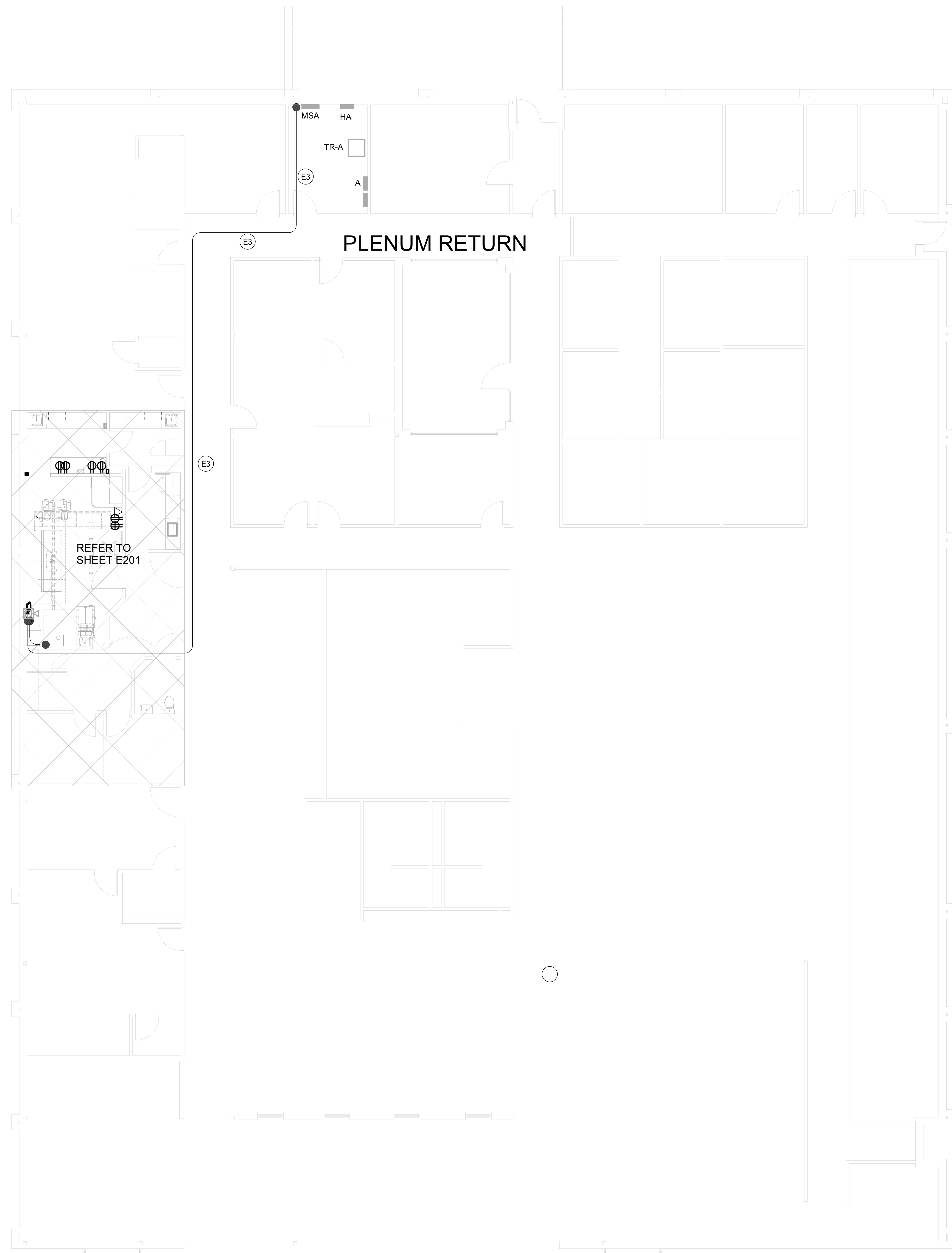
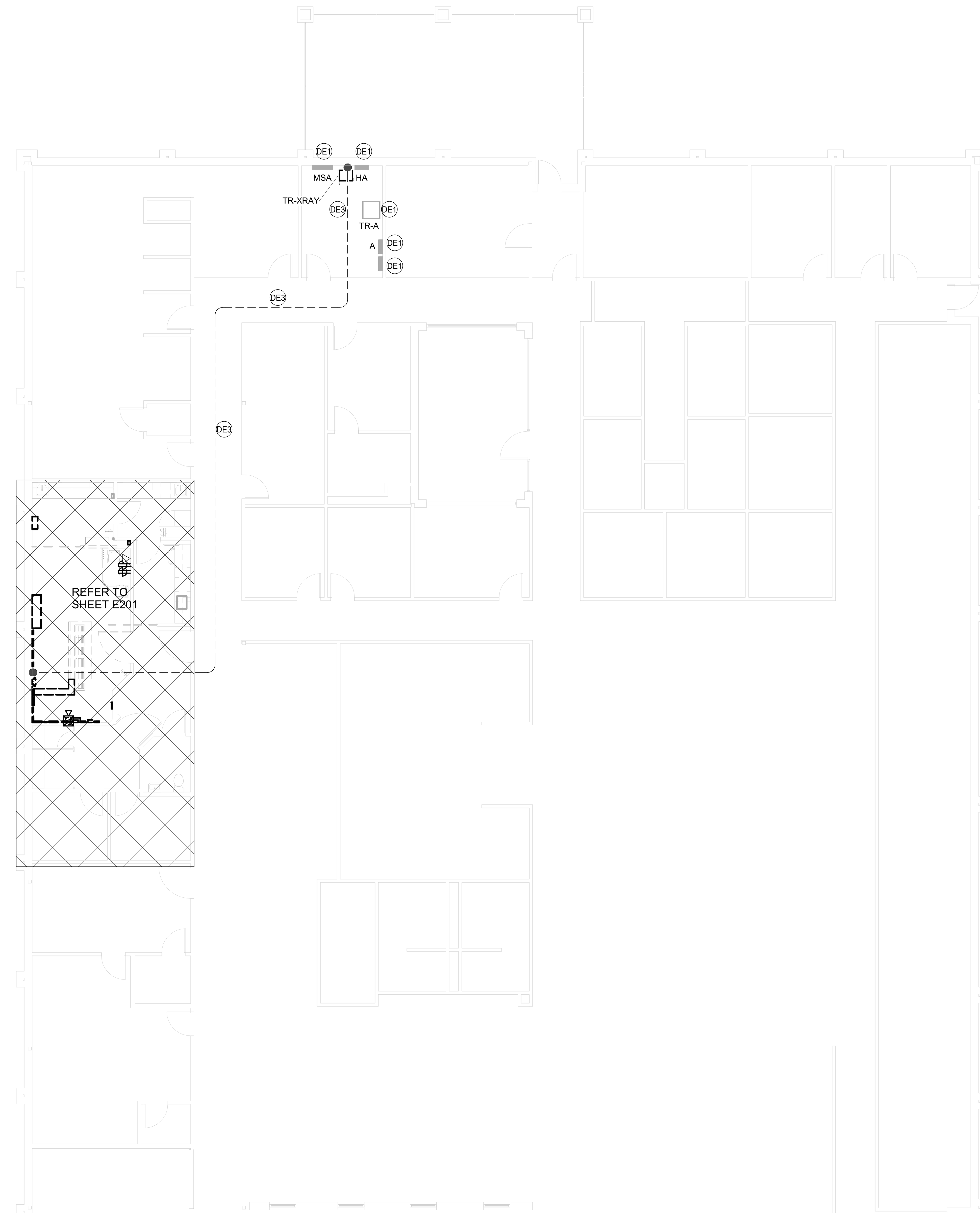


1 Power Plan - Overall
1/8" = 1'-0"



2 Power Demolition Plan - Overall
1/8" = 1'-0"

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Drawing Title
Power Plan - First Floor- Overall

Drawing No.
E202

Scale			
Dwg By	ET	Check By	FA
		Consult. Job No.	250309

GENERAL ELECTRICAL NOTES DESIGN BASED ON 2023 NEC

1.	THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE A COMPLETE AND USABLE SYSTEM WITHIN THE INTENT AND SPIRIT OF THAT INDICATED BY THESE DRAWINGS. WORK OR MATERIALS NOT SHOWN BY THE DRAWINGS, BUT NECESSARY TO COMPLETE THE SYSTEM SHALL BE INCLUDED AT NO ADDITIONAL COST. THE ELECTRICAL SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL SYSTEM REQUIREMENTS INCLUDING FIRE ALARM DEVICES, SWITCHES, RACEWAY, DEVICES, CONDUCTOR, SPECIALTIES, CUTTING AND PATCHING, ETC.
2.	THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, MAKE ADJUSTMENTS TO AVOID CONFLICT. NOTIFY THE ENGINEER IN WRITING OF SIGNIFICANT CONSTRUCTABILITY ISSUES.
3.	TELEPHONE/DATA OUTLETS, UNLESS NOTED, SHALL BE CIRCUITED BY OTHERS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A CONDUIT TO AN ACCESSIBLE SPACE.
4.	THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY PLACEMENT OF ALL RECEPTACLES, WIRING DEVICES, SWITCHES, AND DISCONNECTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS AND TRADES BEFORE ROUGHING IN.
5.	WIRING MEANS AND METHODS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL SUBCONTRACTOR. THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY CEILING TYPE WITH FIXTURE SELECTION BEFORE ORDERING.
6.	PANEL BOARDS SHALL BE SQUARE D NQOD OR EQUAL FROM CUTLER HAMMER, OR GE. BREAKERS SHALL BE BOLT-IN TYPE QOB OR EQUAL. 10kaic MINIMUM.
7.	CONDUCTOR SHALL BE THW, THWN, OR THHN. CONDUIT SHALL BE GALV. EMT, IMC OR RIGID.
8.	POWER RECEPS, WALL SWITCHES, COVER PLATES, ETC. SHALL BE COMMERCIAL GRADE 20 RATED MATCHING THE STYLE AND APPEARANCE OF THE EXISTING DEVICES.
9.	EQUIPMENT SIZES ARE AS DESIGNED. CIRCUIT BREAKERS, CONDUIT, JUNCTION BOXES, DISC. SWITCHES, CONDUCTOR SIZES, DEVICE LOCATIONS, ETC., SHALL BE ADJUSTED TO THE EQUIPMENT SUBMITTED AND APPROVED FOR INSTALLATION ON THIS PROJECT.
10.	THE ELECT SUBCONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN THE ELECTRICAL AND MECHANICAL TRADES TO PROVIDE CLEARANCES ABOVE CEILING BETWEEN RECESSED LIGHT FIXTURES AND THERMAL INSULATION OR COMBUSTIBLE MATERIALS IN ACCORD WITH N.E.C. PARAGRAPH 410-65 & 66.
11.	THE ELECTRICAL SUBCONTRACTOR SHALL PREPARE A SUBMITTAL PACKAGE WHICH DETAILS PROPOSED EQUIPMENT (FIVE COPIES). AT MINIMUM THE SUBMITTAL PACKAGE WILL CONTAIN DETAILED DATA ON LIGHTING FIXTURES, PANELBOARDS, AND ACCESSORIES. EQUAL EQUIPMENT TO THAT SPECIFIED WILL BE CONSIDERED IF PERFORMANCE, APPEARANCE, SERVICEABILITY AND QUALITY ARE JUDGED BY THE ENGINEER AND/OR ARCHITECT TO BE EQUAL.
12.	ALL WORK SHALL COMPLY WITH COGNIZANT CODES, REGULATIONS, LAWS AND THE DETERMINATIONS OF THE LOCAL BUILDING OFFICIAL AT NO EXTRA COST. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY CONFLICT BETWEEN THE PLANS AND APPLICABLE CODES.
13.	ALL MATERIALS WILL BE NEW AND IN NEW CONDITION.
14.	ALL ELECTRICAL CONNECTIONS 120V OR HIGHER SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL SUBCONTRACTOR. MECHANICAL SHALL FURNISH DUCT SMOKE DETECTORS AS REQUIRED TO ELECTRICAL FOR FIRE ALARM INSTALLATION. MECHANICAL SHALL PROVIDE HVAC CONTROL WIRING. ELECTRICAL SHALL COORDINATE EQUIPMENT CONNECTION WITH MECHANICAL AND PLUMBING.
15.	WHEN SYSTEMS ARE COMPLETE AND OPERATIONAL, A 'PUNCH LIST' INSPECTION SHALL BE REQUESTED BY THE CONTRACTOR. SUCH AN INSPECTION SHALL NOT BE CONDUCTED ON INCOMPLETE OR NON-OPERATIONAL SYSTEMS.
16.	UPON COMPLETION OF WORK, SUBMIT FOUR COPIES OF OPERATION AND MAINTENANCE MANUALS, AS BUILT DRAWINGS, GUARANTIES AND WARRANTIES. AT MINIMUM, THE CONTRACTOR WILL WARRANTY ALL WORK, EQUIPMENT AND MATERIALS FOR ONE YEAR PAST BENEFICIAL OCCUPANCY.
17.	ALL RECEPS, LOCATED IN AREAS SUBJECT TO MOISTURE, OR ON THE EXTERIOR OF THE BUILDING SHALL BE G.F.I. TYPE, IN WEATHERPROOF, TYPE-FS, BOX WITH WEATHERPROOF COVER.
18.	NO RECEP. OR DEVICE SHALL BE LOCATED WITHIN 4'-0" OF SINKS. OUTLETS NEAR SINKS, OR IN LOCATIONS SUBJECT TO MOISTURE SHALL BE G.F.I. TYPE.
19.	ALL ELECTRICAL WIRING IN OR ON THE BUILDING SHALL BE IN IMC, RMC, OR EMT, IN ACCORDANCE WITH LOCAL CODE AMENDMENT. ALL EXTERIOR WIRING SHALL BE BURIED IN CONDUIT APPROVED FOR THE ENVIRONMENT IN ACCORDANCE WITH LOCAL CODE AMENDMENT.
20	ALL RECEPTACLES TO BE TAMPER RESISTANT.
21	ALL PATIENT CARE AREAS AS DEFINED BY NEC SHALL HAVE HOSPITAL GRADE RECEPTACLES. PATIENT CARE AREAS SHALL BE WIRES IN ACCORDANCE WITH WITH NEC SECTION 517, INCLUDING BUT NOT LIMITED TO REDUNDANT GROUNDING (517.13).

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	MOTOR, HP OR FLA AS INDICATED
	DISCONNECT SWITCH, SIZE AS NOTED.
	MOTOR STARTER, AS NOTED
	COMBINATION MOTOR STARTER/ DISCONNECT SWITCH, AS NOTED
	LED WASH FIXTURE, CEILING MOUNTED CLEAR SIDE INDICATES DIRECTION OF WASH.
	LED FIXTURE, CEILING OR WALL MOUNTED, SUBSCRIPT INDICATES ASSOCIATED FIXTURE TYPE, SWITCHING, AND CIRCUIT ADDRESS.
	EMERGENCY LIGHT FIXTURE, TYPICAL.
	EXIT LIGHT, BATTERY TYPE WITH CHARGER.
	EMERGENCY LIGHT, BATTERY TYPE WITH CHARGER
	TRANSFORMER AS INDICATED
	HOMERUN SYMBOL. THIS EXAMPLE SHOWS TWO POLES
	PANELBOARD (SEE SCHEDULE)
	PLYWOOD TELEPHONE BACKBOARD, 4'X4'X3/4" THICK WITH TWO COATS OF INSULATING VARNISH
J J	JUNCTION BOX
P_x	DUPLEX RECEPTACLE WITH CIRCUIT ADDRESS NOTED, 18" AFF UNLESS OTHERWISE NOTED. WP=WEATHERPROOF, IG=ISOLTED GRND. E=EXISTING, USB=USB RECEP
	DUPLEX GFI RECEPTACLE WITH CIRCUIT ADDRESS NOTED, 16" AFF UNLESS OTHERWISE NOTED.
	DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE 16" AFF UNLESS OTHERWISE NOTED
T_x	TELEPHONE/DATA OUTLET IN WALL 16" AFF. UNLESS OTHERWISE NOTED. C=CAMERA, AP=ACCESS POINT
	CEILING MOUNTED RECEPTACLE
TV	TELEVISION
CR	CARD READER ACCESS
AP	ACCESS POINT
MIC	MICROPHONE J-BOX. FLOOR MOUNTED W/ BLANK BRASS COVER, 3/4" C TO ACCESSIBLE AREA W/RING BY OTHERS.
TC	TIME CLOCK
S_x	LIGHT SWITCH 120/277V, 48"AFF UNLESS OTHERWISE NOTED. REF LIGHTING CONTROL SCHEDULE
S_M	STORM SHELTER VENTILATION SWITCH UNLESS NOTED OTHERWISE
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
SDH	DUCT MOUNTED, FURNISHED BY MECH SUB, CONNECTED BY ELECT.
CO	CARBON MONOXIDE DETECTOR
F	MANUAL FIRE ALARM PULL STATION, 48" AFF, ADA COMPLIANT W/ PLASTIC COVER
WG	FIRE ALARM AUDIO-VISUAL ANNUNCIATOR, AT 80" AFF, ADA COMPLIANT, W/ W/REGUARD.
SG	FIRE ALARM SPEAKER-VISUAL ANNUNCIATOR, AT 80" AFF, ADA COMPLIANT, W/ W/REGUARD.
	DOOR HOLD OPEN DEVICES
FS	FLOW SWITCH
TS	TAMPER SWITCH
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
RACP	REMOTE ALARM CONTROL PANEL
FAA	FIRE ALARM VISUAL ANNUNCIATOR, 80" AFF, ADA COMPLIANT
D	HAND DRYER
MOS	OCCUPANCY SENSOR - CEILING MOUNT
P_x	OCCUPANCY CONTROLLED DUPLEX
	OCCUPANCY CONTROLLED GFCI DUPLEX
P_x	OCCUPANCY CONTROLLED QUADRUPLEX

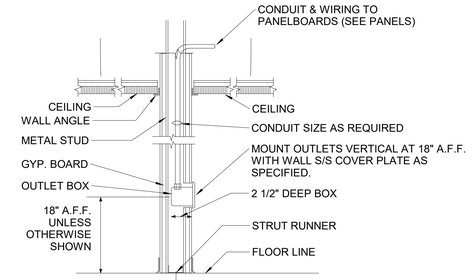
OCCUPANCY CONTROLLED RECEPTACLE TO BE CONTROLLED BY 2ND POWER PACK OF OCCUPANCY SENSOR
CONSTANT POWER TO BE LEVITON 5362-SW (2 EACH FOR QUAD RECEPTACLE)
OCCUPANCY CONTROLLED HALF OF RECEPTACLE TO BE CONTROLLED BY 2ND LIGHTING POWER PACK
CONSTANT POWER TO GO TO REMAINING HALF OF RECEPTACLE
EC TO BREAK TANG BETWEEN RECEPTACLE HALVES

LIGHTING CONTROL SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL
S_S	EXISTING SWITCH TO REMAIN. EC TO REWORK WITH NEW LIGHTS.	-	-

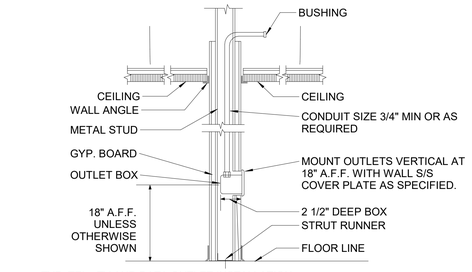
E - LIGHTING FIXTURE SCHEDULE

TAG	MOUNTING	VOLTAGE	LOAD	MAKE	DESCRIPTION	MODEL	Comments
C6	CEILING	MVOLT	27 VA	HE Williams	6" Round downlight, 3500K, 3000 lumens, clear semi-specular finish with Trim Lock Technology	6DR-TL-L30/835-DIM-UNV-OW-OF-CS-N-F1	
C6E	CEILING	MVOLT	27 VA	HE Williams	6" Round downlight, 3500K, 3000 lumens, clear semi-specular finish with Trim Lock Technology, 90-minute emergency battery	6DR-TL-L30/835-EM/10W-DIM-UNV-OW-OF-CS-N-F1	



TYP. POWER RECEPTACLE INSTALLATION

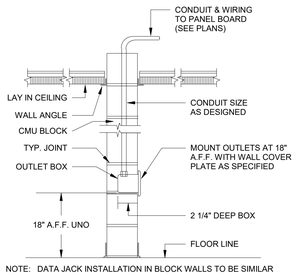
NOTE: INSTALLATION SHALL BE MODIFIED AS REQUIRED FOR CMU WALLS OR OTHER WALL OR CEILING TYPES ENCOUNTERED.



TYP. TEL., TV AND DATA OUTLET INSTALLATION

NOTE: INSTALLATION SHALL BE MODIFIED AS REQUIRED FOR CMU WALLS OR OTHER WALL OR CEILING TYPES ENCOUNTERED.

3 Typical Receptacle/Data Installation Detail
12" = 1'-0"



NOTE: DATA JACK INSTALLATION IN BLOCK WALLS TO BE SIMILAR

2 BLOCK WALL TYP. POWER OUTLET INSTALLATION
NTS

WIRE SIZE SCHEDULE.

WIRE SIZES FOR BRANCH CIRCUITS OF 100' LENGTH OR LESS SHALL BE:
20A BREAKER - #12 CU
25-35A - #10 CU
40-50A - #8 CU
55-65A - #6 CU
LARGER AS LISTED BY NEC, OR AS SHOWN BY RISER.

BRANCH CIRCUITS OF 101-250' IN LENGTH SHALL USE ONE LARGER SIZE OF WIRE (IE A CIRCUIT 150' IN LENGTH WITH A 20A BREAKER SHALL USE #10).

BRANCH CIRCUITS GREATER THAN 250 SHALL USE WIRE TWO SIZES LARGER (IE A BRANCH CIRCUIT 275' IN LENGTH SHALL USE #8).

MINIMUM WIRE SIZE TO BE #12 CU.

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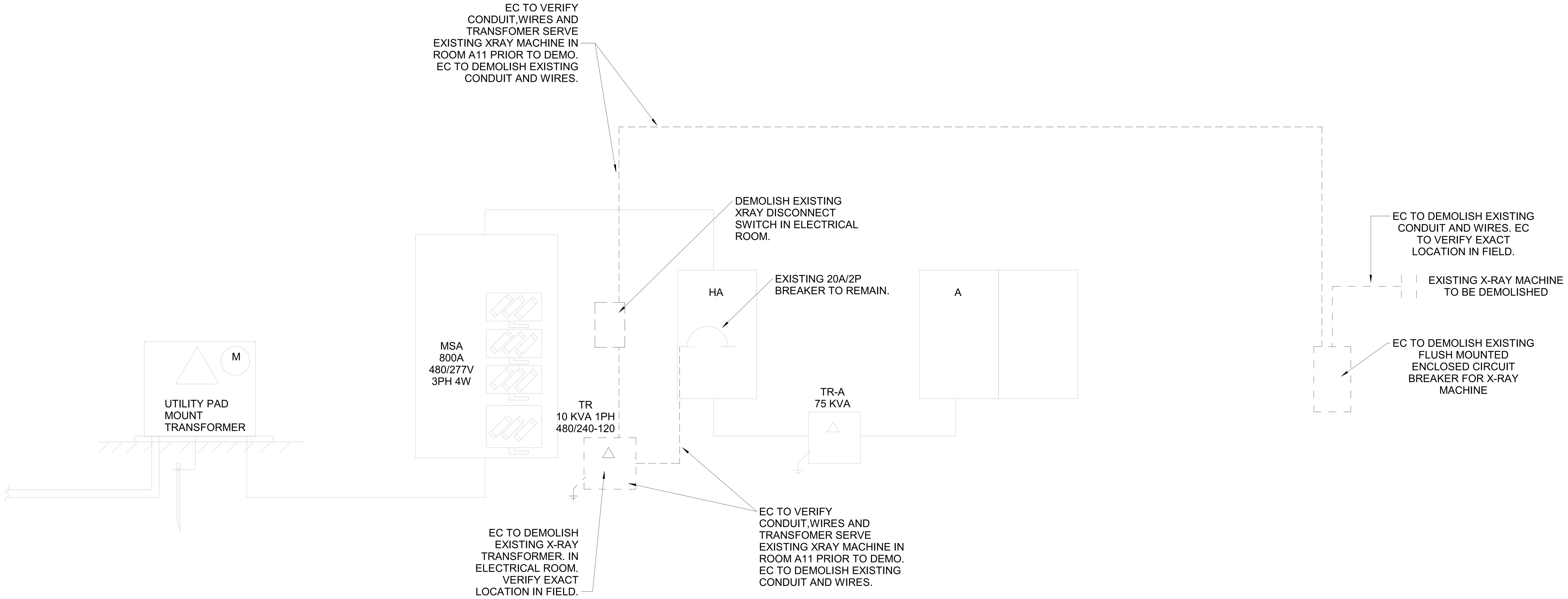
DRAWING ISSUE / REVISION

NO.	DESCRIPTION	DATE

Drawing Title
Electrical Details

Drawing No.
E301

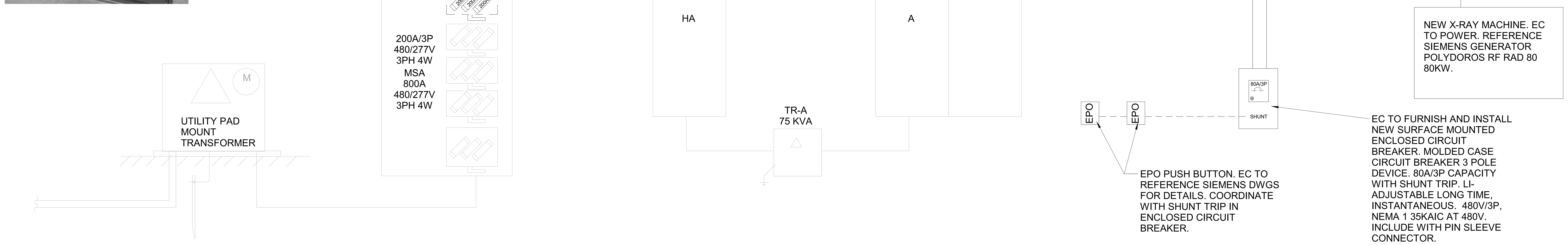
Scale			
Dwg By	ET	Check By	FA
		Consult. Job No.	250309



1 Electrical Riser Details - Demo

12" = 1'-0"

SERVICE LOAD ANALYSIS — EXISTING SERVICE	
Description	Value
Existing measured peak load (kVA) from Electrical Utility (Oncor)	182
New added load (KW) Polydoros R80-2 (480V/3PH)	80
New added load (kVA) @ 0.9 PF Polydoros R80-2 (480V/3PH)	88.88888889
NEC demand factor applied to new load	1
Total calculated load (kVA)	270.8888889
Service rating (800A @ 480Y/277V)	800A @ 480Y/277
Calculated Demand Amps (480Y/277V 3ϕ)	325.8382516
Result	800A > 326A Therefore existing service is adequate.



2 Electrical Riser Details - New

12" = 1'-0"

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Drawing Title: Electrical Riser

Drawing No. E302

Scale

Dwg By ET | Check By FA | Consult. Job No. 250309

FIRE ALARM REQUIREMENTS -EXISTING

EC SHALL CONNECT ALL NEW AND REUSED FIRE ALARM DEVICES TO EXISTING FACP. EC SHALL DESIGN, DETAIL, AND FURNISH A COMPLETE AND USABLE FIRE ALARM SYSTEM THAT COMPLIES WITH ALL LOCAL AND NATIONAL CODES. NEW REMOTE DEVICES SHALL INCLUDE HORN STROBE UNITS, PULL STATIONS, ZONE IDENTIFICATION DEVICES, AND SMOKE DETECTORS. ALL NEW DEVICES SHALL BE ADDRESSABLE AND FULLY COMPATIBLE WITH EXISTING SYSTEM. FA CONTRACTOR SHALL ALLOW FOR UP TO 15 ADDITIONAL REMOTE DEVICES FROM THAT SHOWN OR DESCRIBED BY THESE DOCUMENTS. IF ADDITIONAL DEVICES ARE REQUIRED BY AUTHORITY HAVING JURISDICTION THE FIVE AFOREMENTIONED SHALL BE INSTALLED AT NO ADDITIONAL CHARGE. WIRING SHALL BE PLENUM CABLE TYPE IF REQUIRED, WITH EMT CONDUIT IN CONCEALED LOCATIONS SUCH AS WALL CAVITIES, OR ANY SURFACE MOUNTED (EXPOSED) DEVICES BELOW 10' AFF. EC SHALL PREPARE AND SEE TO APPROVAL ALL SUBMISSIONS BY AUTHORITY HAVING JURISDICTION. THIS INCLUDES BUT IS NOT LIMITED TO SHOP DRAWINGS, BATTERY CALCULATIONS, CUT SHEETS, ETC. RECONNECT SUPERVISORY SERVICE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. (FEES TO BE SUBMITTED AND PAID BY OWNER)

FIRE PROTECTION SCOPE OF WORK-EXISTING

THE FIRE PROTECTION SYSTEM WORK SHALL BE DESIGN BUILD. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS, DESIGN, CALCULATIONS AND COORDINATE WITH ALL LOCAL AUTHORITIES HAVING JURISDICTION TO PRODUCE A COMPLETE AND USABLE SYSTEM WHICH COMPLIES WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS INCLUDING NFPA13 AND THE LOCAL BUILDING CODE. COORDINATE ALL INSTALLATIONS WITH THE GC AND OTHER TRADES TO AVOID CONFLICTS. THE FP SUBCONTRACTOR SHALL BE OBLIGATED TO RELOCATE/REDESIGN ANY PIPE WHICH COME INTO CONFLICT WITH OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER, UNDER ALL CIRCUMSTANCES.

SYSTEM TYPE: MODIFY EXISTING SYSTEMS TO ACCOMMODATE THE NEW INSTALLATION.

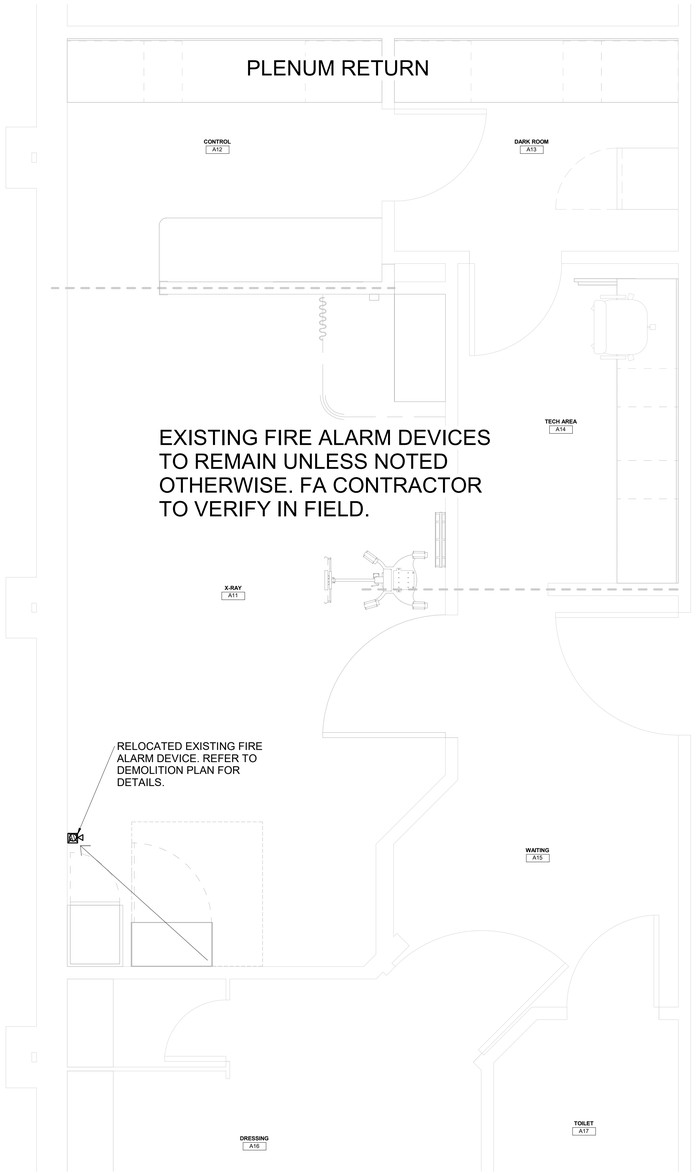
WATER SERVICE/RISER: EXISTING TO REMAIN

DESIGN: THE DESIGN BUILD CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SURVEY OF EXISTING, FLOW TEST, DESIGN, CALCULATIONS, DETAILING, SUBMITTAL, APPROVAL, COORDINATION, LABOR MATERIAL, TESTING AND FINAL PRODUCT. IF REQUIRED, THE CONTRACTOR SHALL INCLUDE ANY REQUIRED FLOW TEST. IF NECESSARY, REPLACEMENT OR AUGMENTATION OF THE RPZ BACK FLOW PREVENTER SHALL BE INCLUDED (DOUBLE DETECTOR CHECK WILL NOT BE ACCEPTABLE). THE EXISTING BACK FLOW PREVENTER MAY BE RETAINED ONLY IF CALCULATIONS DOCUMENT AND CONFIRM CAPACITY IS ADEQUATE. CONTRACTOR SHALL RELOCATE HEADS IN THE EXISTING SUITE AS NEEDED FOR DESIGN/COVERAGE.

MATERIALS: PIPE SHALL BE BLACK STEEL. 2" AND SMALLER SHALL BE SCH40 WITH THREADED FITTINGS. 2-1/2" AND LARGER MAY BE SCH10 WITH MECHANICAL COUPLINGS OR BUTT WELD FITTINGS.

HEADS: SHALL BE CONCEALED TYPE. HEADS DO NOT HAVE TO BE CENTERED IN TILE.

2 FIRE PROTECTION NOTES
NTS



1 Fire Protection Plan
1/2" = 1'-0"

3 Fire Protection Demolition Plan
1/2" = 1'-0"

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PROJECT
JPS HEALTH NETWORK
STOP SIX X-RAY REPLACEMNET

3301 STALCUP ROAD
FORT WORTH, TX 76119

DRAWING ISSUE / REVISION

NO.	DESCRIPTION	DATE

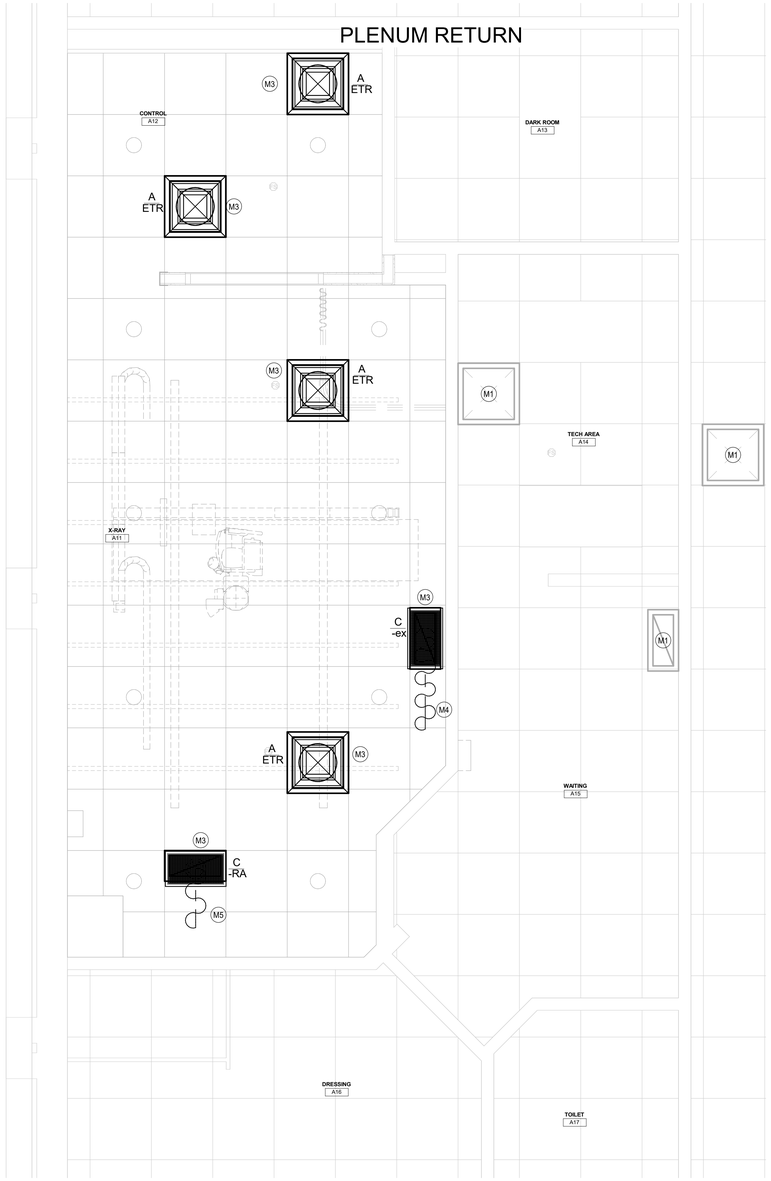
Drawing Title
Fire Protection Plan

Drawing No.
FP101

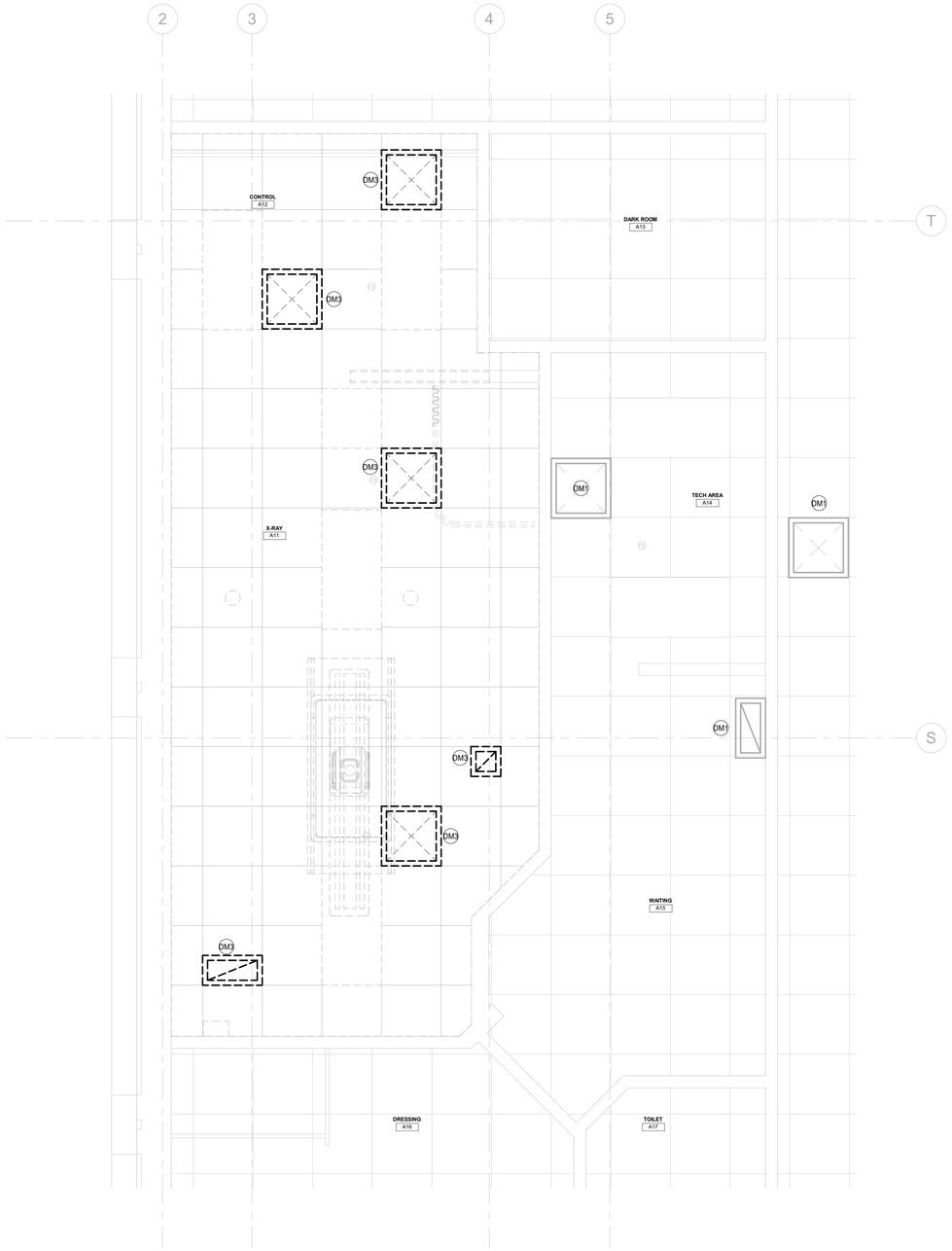
Scale			
Dwg By	ET	Check By	FA
		Consult. Job No.	250309

Mechanical Keynote Legend	
Key Value	Keynote Text
DM1	EXISTING TO REMAIN MECHANICAL DEVICE(S). MC TO REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED.
DM3	MC TO DEMOLISH EXISTING DUCTWORK / DIFFUSER / GRILLE DEVICE AS SHOWN. MC TO DEMOLISH TO NEAREST ACTIVE BRANCH AND CAP / CONNECT TO NEW AS SHOWN ON NEW PLANS. VERIFY LOCATIONS IN FIELD
M1	EXISTING TO REMAIN MECHANICAL DEVICE(S). MC TO REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED.
M3	NEW MECHANICAL DEVICE. MC TO FURNISH AND INSTALL NEW DUCTWORK, FLEX, AND TRANSITIONS AS NEEDED. DUCTWORK / FLEX FREE AREA SIZE INDICATED ON PLANS. FLEX DUCT NOT TO EXCEED 6' IN LENGTH. MC TO FURNISH AND INSTALL PREMIUM LOCKING QUADRANT DAMPER PER SUPPLY / EXHAUST DIFFUSER / GRILLE UNLESS DAMPER INCLUDED IN DIFFUSER / GRILLE. MC TO FURNISH AND INSTALL LAY-IN OR DRYWALL CEILING ADAPTER AS NEEDED.
M4	EXHAUST DUCTWORK. EC TO CONNECT TO EXISTING EXHAUST FAN.
M5	JUMP DUCT/ TRANSFER. EC TO CONNECT TO EXISTING. VERIFY EXACT SIZE IN FIELD.

Mechanical Demolition Keynote Legend	
Key Value	Keynote Text
DM1	EXISTING TO REMAIN MECHANICAL DEVICE(S). MC TO REWORK WITH NEW WALL / CEILING / FLOOR AS NEEDED.
DM3	MC TO DEMOLISH EXISTING DUCTWORK / DIFFUSER / GRILLE DEVICE AS SHOWN. MC TO DEMOLISH TO NEAREST ACTIVE BRANCH AND CAP / CONNECT TO NEW AS SHOWN ON NEW PLANS. VERIFY LOCATIONS IN FIELD



1 HVAC RCP - FIRST FLOOR
1/2" = 1'-0"



2 HVAC RCP - DEMO FIRST FLOOR
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DRAWING ISSUE / REVISION

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Drawing Title
Mechanical Plan - First Floor

Drawing No.
M101

Scale			
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GENERAL MECHANICAL NOTES

0.	WHERE APPROVAL CODES HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITER'S LABORATORY, AMERICAN CODES, ANSI, ASME, ASA, ASHRAE, ASTM, ARI, NEL, NFPA, SMACNA, OR THE STATE FIRE INSURANCE REGULATORY BODY, FOLLOW THESE STANDARDS WHETHER OR NOT INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
1.	THE MECHANICAL SUBCONTRACTOR SHALL PROVIDE A COMPLETE AND USABLE SYSTEM WITHIN THE INTENT AND SPIRIT OF THAT INDICATED BY THIS DRAWING. WORK OR MATERIALS NOT SHOWN BY THIS DRAWING, BUT NECESSARY TO COMPLETE THE SYSTEM SHALL BE INCLUDED AT NO ADDITIONAL COST. THE MECHANICAL SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL HVAC SYSTEM REQUIREMENTS INCLUDING GRILLES, DIFFUSERS, DUCTWORK, CONTROLS, CONTROL WIRING, DUCTWORK, EQUIPMENT, HVAC PIPING, CUTTING AND PATCHING, ETC.
2.	THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, MAKE ADJUSTMENTS TO AVOID CONFLICT. NOTIFY THE ENGINEER IN WRITING OF SIGNIFICANT CONSTRUCTABILITY ISSUES.
3.	PROVIDE VOLUME DAMPERS WHERE INDICATED.
4.	ALL RECTANGULAR AND ROUND DUCTWORK SHALL BE GALVANIZED SHEET METAL, FABRICATED AND SUPPORTED TO SMACNA STANDARDS. ALL SUPPLY DUCT SHALL HAVE 2", 1.5# BLANKET INSUL W/ VAPOR BARRIER. (R-8) FURNISH AND INSTALL NEOPRENE FLEX CONNECTION BETWEEN DUCTWORK AND RTUS/AHUS.
5.	FLEXIBLE DUCT SHALL BE FLEXMASTER TYPE V OR EQUAL FIBERGLASS INSULATED TYPE. FLEX DUCT SHALL NOT EXCEED 6' IN LENGTH. RIGID ROUND DUCT WITH EXTERIOR INSULATION. USE RIGID ROUND DUCT WITH EXTERIOR INSULATION ABOVE WHERE SHOWN ON THE PLAN. USE RIGID ELBOW FITTINGS WHENEVER POSSIBLE TO AVOID UNNECESSARY CHANGE OF DIRECTION WITH FLEXDUCT.
6.	SEAL ALL DUCTWORK SEAMS WITH FIBERGLASS TAPE IMBEDDED IN ARABOL SEALER OR ALUMINUM TAPE. DUCT TAPE IS NOT ACCEPTABLE. VAPOR SEAL ALL EXTERIOR INSULATION WITH ALUMINUM TAPE. DUCT TAPE IS NOT ACCEPTABLE.
7.	CONTRACTOR SHALL ADJUST CURB PLACEMENT AND TRANSITION DUCTWORK AS REQUIRED TO CLEAR STRUCTURAL AND OTHER OBSTACLES. THE CONFIGURATION OF THE STRUCTURE AND OTHER OBSTACLES IN THE EXISTING BUILDING IS NOT KNOWN IN DETAIL. THE CONTRACTOR WILL INVESTIGATE, VERIFY THE DESIGN SHOWN, AND ADJUST AS REQUIRED.
8.	ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, LAWS AND THE DETERMINATIONS OF THE LOCAL BUILDING OFFICIAL AT NO EXTRA COST. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY CONFLICT BETWEEN THE PLANS AND APPLICABLE CODES.
9.	ALL MATERIALS WILL BE NEW AND IN NEW CONDITION. SCRATCH AND DENTED, SECONDHAND, SURPLUS, ETC ARE NOT ACCEPTABLE.
10.	ELECTRICAL CONNECTIONS 120V OR HIGHER SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL SUBCONTRACTOR, MECHANICAL SHALL COORDINATE THIS WORK. MECHANICAL SHALL FURNISH DUCT SMOKE DETECTORS AS REQUIRED TO ELECTRICAL FOR FIRE ALARM INSTALLATION.
11.	THE MECH SUBCONTRACTOR SHALL START UP EACH UNIT, TEST FOR HEAT AND COOL OPERATION, INSURE ALL DUCTWORK IS FREE OF RATTLES, LEAKS, WHISTLES, ETC. AN INDEPENDENT CONTRACTOR SHALL BALANCE THE SYSTEM AS INDICATED BY DRAWINGS, RTU SCHEDULE , AND VENTILATION SCHEDULES. SUBMIT FOUR COPIES OF A CERTIFIED TEST AND BALANCE REPORT TO THE ARCHITECT FOR APPROVAL. UPON APPROVAL CONTRACTOR SHALL FILE REPORT WITH LOCAL AUTHORITY.
12.	WHEN SYSTEMS ARE COMPLETE AND OPERATIONAL, A 'PUNCH LIST' INSPECTION SHALL BE REQUESTED BY THE CONTRACTOR. SUCH AN INSPECTION SHALL NOT BE CONDUCTED ON INCOMPLETE OR NON-OPERATIONAL SYSTEMS.
13.	ALL DUCTWORK (SUPPLY AND RETURN) IN UNCONDITIONED SPACES SHALL BE INSULATED WITH A MINIMUM VALUE OF R-6 INSULATION. ALL DUCTS OUTSIDE OF THE BUILDING ENVELOPE SHALL BE INSULATED WITH R-12 MINIMUM.
14.	DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING 10 FEET OR BY OTHER APPROVED DUCT SUPPORT SYSTEMS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE. FLEXIBLE AND OTHER FACTORY MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
15.	SMOKE DETECTORS SHALL BE INSTALLED IN RETURN AIR SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2000 CFM IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT AND APPLIANCES.
16.	UPON SELECTION OF MECHANICAL APPLIANCES SUBMIT MANUFACTURING INSTALLATION INSTRUCTION TO BUILDING DEPARTMENT, INCLUDE ANY LISTING FOR OUTDOOR INSTALLATION, IF APPLICABLE.
17.	EQUIPMENT SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND APPLICABLE CODES. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE FOR INSPECTION.
18.	ALL COVERING, LININGS, ADHESIVES, WHEN USED SHALL HAVE A FLAME SPREAD RATING NOT MORE THAN 25 AND SMOKE DEVELOPED RATING NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM-E84.

DIFFUSER/GRILLE SCHEDULE

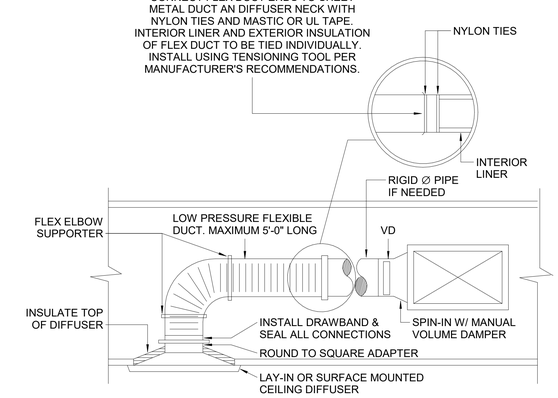
Mark	Description	Neck Size (in)	Face Size (in)	Throw Pattern	Mounting Type	Manufacturer	Model
A	DIRECTIONAL CEILING DIFFUSER	6"Ø	24"X24"	4-WAY	LAY-IN	TITUS	TMS 6 24X24 326
C	CUBE CORE CEILING RETURN	22"X10"	24"X12"	-	LAY-IN	TITUS	50F

NOTES:
1. MECHANICAL CONTRACTOR TO PROVIDE SQUARE TO ROUND TRANSITIONS AS REQUIRED. PROVIDE LAY-IN FRAME WHERE REQUIRED.
2. ALL DEVICES SHALL BE METAL-AIRE, TITUS, T & B, OR APPROVED EQUAL COMPLETE WITH V.D.
3. ALL FRAMING REQUIRED FOR DIFFUSER INSTALLATION SHALL BE BY THE GENERAL CONTRACTOR.
4. SEE MECHANICAL PLAN FOR DIFFUSER LOCATIONS.

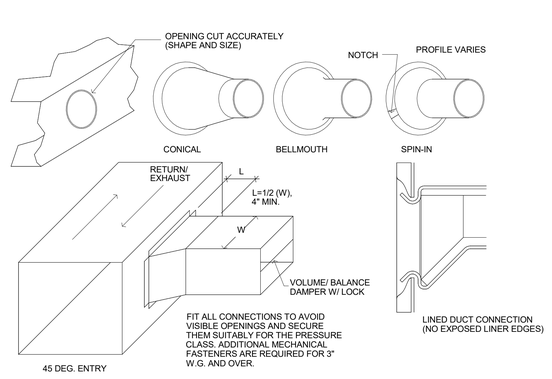
DRAWING LEGEND

DETAIL	DESCRIPTION
	SUPPLY DIFFUSER WITH RIGID ROUND ELBOW CONNECTION AND INSULATED FLEXIBLE DUCT RUNOUT
	RETURN GRILLE WITH RIGID ROUND ELBOW CONNECTION AND INSULATED FLEXIBLE DUCT RUNOUT
T	THERMOSTAT (FOR FURNACE,RTU,ETC.)
S	SPACE TEMPERATURE SENSOR (DUCT MOUNTED UNLESS NOTED OTHERWISE)
SD	DUCT SMOKE DETECTOR
H	HUMIDITY SENSOR (DUCT MOUNTED UNLESS SHOWN / NOTED OTHERWISE)
CO2	CO2 SENSOR (DUCT MOUNTED UNLESS SHOWN / NOTED OTHERWISE)
M	MOTORIZED DAMPER
	1" LINED SPIRAL DUCT
	RECTANGULAR OR ROUND SUPPLU OR RETURN DUCT (AS NOTED)
	LOCKING MANUAL BALANCE DAMPER
	TAKE OFF FROM RECTANGULAR DUCT
	ROUND TAKE OFF FROM ROUND DUCT
	MITERED ELBOW WITH DOUBLE WALLED TURNING VANES
	ROUND INSULATED FLEXIBLE DUCT
A 600 — DIFFUSER TYPE / DESIGNATION	DIFFUSER DESIGNATION ###: SUPPLY AIR CFM -ra: RETURN AIR -ex: EXHAUST AIR -oa: OUTSIDE AIR

EQUIPMENT SIZE, TOTAL AIRFLOW RATE SHALL REMAIN UNCHANGED FROM EXISTING CONDITIONS.
MC SHALL INSPECT AND VERIFY EXISTING AIR HANDLING UNIT AND VENTILATION RATE MEETS NOTIFY THE ENGINEER OF ANY DEFICIENCIES.



2 Diffuser Installation Detail
1/8" = 1'-0"



3 Duct Installation Detail
1/8" = 1'-0"

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Mechanical Schedules and Notes

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M201

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