UNIVERSITY HOSPITAL

EMERGENCY DEPARTMENT EXPANSION

ADDENDUM 1

10.30.2023

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Newark, NJ 07103

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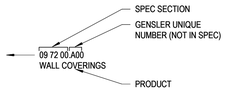
ABBREVIATIONS

A	
ACCESS	ACCESSORY
ACOUS	ACOUSTIC(AL)
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE
ANNUNC	ANNUNCIATOR
ANOD	ANODIZED
APPL	APPLIANCE
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
AVG	AVERAGE
&	AND
B	
BLDG	BUILDING
BOLLD	BOLLARD
BD	BOARD
BLKG	BLOCKING
BRDLM	BROADLOOM
BU	BUILT UP
C	
CAB	CABINET
CPT	CARPET
CEM	CEMENT(ITIOUS)
CER	CERAMIC
CLG	CEILING
COATG	COATING
COILG	COILING
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINU(E)(OUS)(ATION)
CONTR	CONTRACT(OR)
COV	COVER
CMU	CONCRETE MASONRY UNIT
D	
DBL	DOUBLE
DEPT	DEPARTMENT
DES	DESIGN(ED)
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
$	DOLLAR (US CURRENCY)
DR	DOOR
DSCON	DISCONNECT
DWG	DRAWER
E	
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
EMBED	EMBED(ED)(DING)
ENGR	ENGINEER(ED)
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP JT	EXPANSION JOINT
EXPS	EXPOSE(ED)
EXT	EXTERIOR
F	
FAB	FABRICATION
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER AND CABINET
FHC	FIRE HOSE AND CABINET
FIN	FINISH
FLDG	FOLDING
FPLC	FIREPLACE
FR	FIRE RAT(ING)(ED)
FRMG	FRAMING
FXD	FIXED
FXTR	FIXTURE
FLR	FLOOR(ING)
FURN	FURNITURE
FWC	FABRIC WALL COVERING
G	
GA	GAUGE
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRP	GLASS FIBER REINFORCED PLASTER
GL	GLASS
GR	GRAD(E)(ING)
GYP	GYPSUM
H	
HD	HEAD
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
I	
INFO	INFORMATION
INSTRUM	INSTRUMENT(ATION)
INSUL	INSULATION
INTLK	INTERLOCK(ING)
INT	INTERIOR
INFILTR	INFILTRATION
J	
JAN	JANITOR
K	
KIT	KITCHEN
L	
LAV	LAVATORY
LB	POUND
£	BRITISH POUND (CURRENCY)
LT	LIGHT
LVLG	LEVELING
LVT	LOUVER
M	
MAX	MAXIMUM
MFD	MANUFACTURED
MFR	MANUFACTURER
MECH	MECHANICAL
MTL	METAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MOIST	MOISTURE
MOT	MOTOR(IZED)
MTD	MOUNTED
N	
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	
ORNA	ORNAMENTAL
OVFL	OVERFLOW
OVHD	OVERHEAD
OPNG	OPENING(S)
OPR	OPERABLE
P	
PTN	PARTITION
PEDR	PEDESTRIAN
PBD	PARTICLE BOARD
PNL	PANEL
POLYST	POLYSTYRENE
PORT	PORTABLE
PREFIN	PREFINISHED
PREFAB	PREFABRICATED
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLSTC	PLASTIC
PLYWD	PLYWOOD
PRTECN	PROTECTION
R	
RDR	READER
RECES	RECESSED
RECPT	RECEPTACLE
REF	REFER(ENCE)
REFL	REFLECTED
REFR	REFRIGERATOR
REQD	REQUIRED
RESIS	RESIST(ANT)(IVE)
REINF	REINFORC(E)(ED)(ING)(EMENT)
RESIL	RESILIENT
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
S	
SCR	SCRIBE
SECUR	SECURITY
SF	SQUARE FEET
SG	SINGLE
SHORG	SHORING
SIM	SIMILAR
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRFR	STOREFRONT
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SYS	SYSTEM(S)
T	
THK	THICK
TLT	TOILET
TRAF	TRAFFIC
TRANS	TRANSPARENT
TRTD	TREATED
T&G	TONGUE AND GROOVE
TYP	TYPICAL
U	
UNDRLAY	UNDERLAYMENT
UTIL	UTILITY
UNO	UNLESS NOTED OTHERWISE
V	
VEH	VECHICLE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
W/O	WITHOUT
WT	WEIGHT
WTRPRF	WATERPROOFING

HAZARDOUS MATERIAL NOTES

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

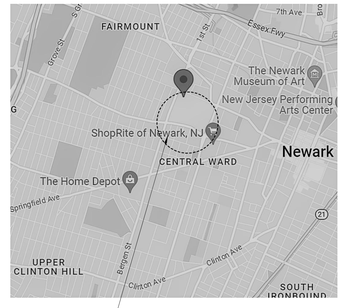
KEYNOTING SYSTEM



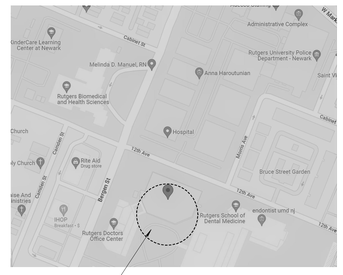
OCCUPANT PROTECTION NOTES

1. GENERAL: ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE 2021 NEW JERSEY BUILDING CODE, CHAPTER 33, AND REGULATIONS OF ALL OTHER AGENCIES HAVING JURISDICTION.
2. STRUCTURAL: NO STRUCTURAL WORK SHALL BE DONE THAT MAY ENDANGER THE OCCUPANTS. CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY BRACING AND SHORING WHEREVER ANY STRUCTURAL WORK IS INVOLVED.
3. MEANS OF EGRESS: ALL EXISTING MEANS OF EGRESS FOR TENANTS OF THE BUILDING TO BE MAINTAINED CLEAR AND FREE OF ALL OBSTRUCTIONS, SUCH AS BUILDING MATERIALS.
4. FIRE SAFETY:
   a. ALL BUILDING MATERIALS WHICH ARE STORED AT THE SITE OR ANY AREA OF THE BUILDING ARE TO BE STORED IN LOCKED AREA. ACCESS TO THE AREA TO BE CONTROLLED BY THE OWNER OR GENERAL CONTRACTOR.
   b. ALL MATERIALS TO BE STORED IN AN ORDERLY FASHION.
   c. ALL FLAMMABLE MATERIALS TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE MANUFACTURERS' CONTAINERS AND SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT.
   d. ALL FLAMMABLE MATERIALS TO BE USED AND STORED IN AN ADEQUATELY VENTILATED SPACE.
   e. ALL ELECTRICAL POWER TO BE SHUT OFF WHERE THERE ARE EXPOSED CONDUITS.
   f. ALL ELECTRICAL POWER IN THE CONSTRUCTION AREA TO BE SHUT OFF AFTER WORKING HOURS.
   g. CONTRACTOR, AT ALL TIMES, TO ENSURE THERE IS NO NATURAL GAS LEAKAGE IN THE BUILDING, OR ANY FLAMMABLE GAS TO BE USED DURING CONSTRUCTION.
5. DUST CONTROL
   a. DEBRIS, DIRT, AND DUST TO BE KEPT TO A MINIMUM AND CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
   b. CONTRACTOR TO ISOLATE CONSTRUCTION AREA FROM THE OCCUPIED BUILDING AREA BY THE MEANS OF TEMPORARY PARTITIONS OR HEAVY WEIGHT DROP CLOTHS.
   c. DEBRIS, DIRT, AND DUST TO BE CLEANED UP AND CLEARED FROM THE BUILDING SITE PERIODICALLY TO AVOID EXCESSIVE ACCUMULATION.
6. NOISE AFTER HOURS
   a. CONSTRUCTION OPERATIONS WILL BE CONFINED TO WORKING HOURS SET FORTH BY THE BUILDING RULES AND REGULATIONS (NOTE #8) WITH THE PROPERTY MANAGER AND IN COMPLIANCE WITH NYC NOISE CONTROL CODE.
   b. CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM ALL AFFECTED PARTIES TO WORK OTHER THAN REGULAR HOURS.
7. CONSTRUCTION OPERATIONS WILL NOT INVOLVE INTERRUPTION OF HEATING, WATER, OR ELECTRICAL SERVICES TO OTHER TENANTS.
8. THERE WILL BE NO ONE OCCUPYING THE PREMISES TO BE RENOVATED DURING THE COURSE OF CONSTRUCTION WORK.

VICNITY MAP



LOCATION MAP



PROJECT INFORMATION

PROJECT: UNIVERSITY HOSPITAL EMERGENCY DEPARTMENT EXPANSION
150 BERGEN STREET, NEWARK, NJ 07103

BLOCK / LOT: BLOCK: 211 LOT: 1, 60 & 61

ZONING: INSTITUTIONAL

FIRE DISTRICT: N/A

BUILDING USE: INSTITUTIONAL GROUP I-2 & BUSINESS GROUP B

CONSTRUCTION CLASS: TYPE I-A

BUILDING HEIGHT: 8 STORIES - 121'-8" + 2 STORIES MECHANICAL PENTHOUSE

FIRE PROTECTION: FULLY SPRINKLERED WITH AUTOMATIC SYSTEM THROUGHOUT

SEISMIC DESIGN CATEGORY: CATEGORY B

PROJECT DESCRIPTION:

INTERIOR RENOVATION OF A 14,129 SF EXISTING SUITE WITHIN THE INSTITUTIONAL HOSPITAL FOR THE EMERGENCY DEPARTMENT EXPANSION. THERE WILL BE A CHANGE OF OCCUPANCY FROM BUSINESS GROUP B TO INSTITUTIONAL GROUP I-2. THE NEW SUITE WILL CONSIST OF AN EMERGENCY DEPARTMENT SUBWAIT & RECEPTION AREA, EMERGENCY DEPARTMENT EXPANSION, A WIDENED CORRIDOR AND A NEW RADIOLOGY REGISTRATION & WAITING AREA. THIS IS ALL LOCATED ON LEVEL C - GROUNDFLOOR WITHIN THE INSTITUTIONAL HOSPITAL. THE INTERIOR DEMOLITION & RENOVATION WILL BE SUBMITTED TO THE DEPARTMENT OF CONSUMER AFFAIRS (DCA).

DRAWING INDEX

● NEW ISSUE ■ REVISED ISSUE ○ ISSUED WITH NO CHANGES □ REVISED - NOT ISSUED / SK ISSUED

SHEET NUMBER	SHEET NAME	DOH FUNCTIONAL REVIEW PLAN - 07.14.2023	DCA SUBMISSION - 08.25.2023	ISSUE FOR BID - 09.22.2023	ADDENDUM 1 - 10.30.2023	COMMENTS
ARCHITECTURE						
G-000	COVER SHEET	●	●	●	■	
G-001	INDEX		●	●	■	
G-002	GENERAL NOTES		●	●		
G-003	GRAPHIC SYMBOLS		●	●	■	
G-004	SIGNAGE TYP. HEIGHTS		●	●		
G-005	SITE PLAN	●	●	●		
G-010	CODE ANALYSIS	●	●	●		
G-100	LIFE SAFETY LVL C	●	●	●		
G-101.1	LIFE SAFETY 0 & 1	●	●	●		
G-101.2	LIFE SAFETY 2	●	●	●		
DA-100	DEMOLITION LVL C		●	●		
DA-110	DEMOLITION LVL D		●	●		
A-010	PARTITION DETAILS		●	●		
A-011	PARTITION DETAILS		●	●		
A-020	DOOR SCHEDULE		●	●		
A-030	FINISH SCHEDULE		●	●	■	
A-030.1	FINISH SCHEDULE ALTERNATES		●	●		
A-031	SCHEDULES		●	●		
A-100	CONSTRUCTION LVL C		●	●		
A-101.0	CONSTRUCTION 0		●	●		
A-101.1A	CONSTRUCTION 1A		●	●		
A-101.1B	CONSTRUCTION 1B		●	●		
A-101.2	CONSTRUCTION 2		●	●		
A-110	CONSTRUCTION LVL D		●	●		
A-201.0	EQUIPMENT 0		●	●		
A-201.1A	EQUIPMENT 1A		●	●		
A-201.1B	EQUIPMENT 1B		●	●		
A-201.2	EQUIPMENT 2		●	●		
A-301.0	POWER & COM 0		●	●		
A-301.1A	POWER & COM 1A		●	●		
A-301.1B	POWER & COM 1B		●	●		
A-301.2	POWER & COM 2		●	●		
A-400	RCP LVL C		●	●		
A-401.0	RCP 0		●	●		
A-401.1A	RCP 1A		●	●		
A-401.1B	RCP 1B		●	●		
A-401.2	RCP 2		●	●		
A-501.0	FINISH 0		●	●		
A-501.1A	FINISH 1A		●	●		
A-501.1B	FINISH 1B		●	●		
A-501.2	FINISH 2		●	●		
A-601.0	FURNITURE 0		●	●		
A-601.1A	FURNITURE 1A		●	●		
A-601.1B	FURNITURE 1B		●	●		
A-601.2	FURNITURE 2		●	●		
A-700	RADIOLOGY/WAITING		●	●		
A-701	TYP. TREAT & ISO RMS		●	●		
A-702	TYP. BARI RM & TREAT BAY		●	●		
A-703	TYP. SUPPORT ROOMS		●	●		
A-704	AXON NURSE'S STATION		●	●		
A-705	NURSE'S STATION 1		●	●		
A-706	NURSE'S STATION 1		●	●		
A-707	NURSE'S STATION 1		●	●		
A-708	NURSE'S STATION 2		●	●		
A-709	NURSE'S STATION 2		●	●		
A-710	NURSE'S STATION 2		●	●		
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A-912	ROOF DETAILS		●	●		
A-920	DOOR DETAILS		●	●		
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A-940	CEILING DETAILS		●	●		
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A-950	MILLWORK DETAILS		●	●		
A-951	MILLWORK DETAILS		●	●		
A-952	MILLWORK DETAILS		●	●		
A-960	TRANSITION DETAILS		●	●		
COMMUNICATION						
T-OOO	COMMUNICATIONS COVER SHEET				●	
DT-100	COMMUNICATIONS DEMOLITION PLAN				●	
T-100	COMMUNICATIONS FLOOR PLAN				●	
T-101	COMMUNICATIONS FLOOR PLAN 0				●	
T-101.1A	COMMUNICATIONS FLOOR PLAN 1A				●	
T-101.1B	COMMUNICATIONS FLOOR PLAN 1B				●	
T-101.2	COMMUNICATIONS FLOOR PLAN 2				●	
T-400	COMMUNICATIONS DETAILS				●	
T-401	COMMUNICATIONS DETAILS				●	
ELECTRICAL						
E-000	ELECTRICAL COVER SHEET		●	●		
DE-100	ELECTRICAL DEMOLITION PLAN-LEVEL C- PHASE 1		●	●		
E-100	LEVEL A PHASE 1- SWITCHGEAR LOCATIONS AND CONDUIT ROUTE		●	●		
E-100.1	LEVEL C PHASE 1 - PANEL LOCATIONS AND CONDUIT ROUTE		●	●		
E-101	LEVEL C PHASE 1 - LIGHTING - RADIOLOGY		●	●		
E-101.1A	LEVEL C PHASE 1 - LIGHTING - WAITING ROOM		●	●		
E-101.1B	LEVEL C PHASE 1 - LIGHTING - EMERGENCY DEPARTMENT		●	●		
E-101.2	LEVEL C PHASE 2 - LIGHTING - EMERGENCY DEPARTMENT		●	●		
E-201.0	LEVEL C PHASE 1 - POWER & DATA - RADIOLOGY		●	●		
E-201.1A	LEVEL C PHASE 1 - POWER & DATA - WAITING ROOM		●	●		
E-201.1B	LEVEL C PHASE 1 - POWER & DATA - EMERGENCY DEPARTMENT		●	●		
E-201.2	LEVEL C PHASE 2 - POWER & DATA - EMERGENCY DEPARTMENT		●	●		
E-210E	LEVEL D PHASE 1 - POWER & DATA EAST		●	●		
E-210W	LEVEL D PHASE 1- POWER & DATA WEST		●	●	■	
E-300	ELECTRICAL HEADWALL ELEVATIONS		●	●		
E-400	ELECTRICAL DIAGRAM		●	●		
E-500	ELECTRICAL SCHEDULES		●	●		
E-501	ELECTRICAL SCHEDULES		●	●		
E-600	ELECTRICA DETAILS		●	●		
FIRE ALARM						
FA-000	FIRE ALARM COVER SHEET		●	●		
DFA-100	FIRE ALARM DEMOLITION PLAN		●	●		
FA-101.0	FIRE ALARM FLOOR PLAN 0		●	●	■	
FA-101.1A	FIRE ALARM FLOOR PLAN 1A		●	●	■	
FA-101.1B	FIRE ALARM FLOOR PLAN 1B		●	●	■	
FA-101.2	FIRE ALARM FLOOR PLAN 2		●	●	■	
FA-110	FIRE ALARM FLOOR PLAN		●	●		
FA-200	FIRE ALARM DETAILS		●	●	■	

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FIRE PROTECTION						
F-000	FIRE PROTECTION COVER SHEET		●	●		
DF-100	FIRE PROTECTION DEMOLITION PLAN		●	●		
F-101.0	FIRE PROTECTION FLOOR PLAN 0		●	●		
F-101.1A	FIRE PROTECTION FLOOR PLAN 1A		●	●		
F-101.1B	FIRE PROTECTION FLOOR PLAN 1B		●	●		
F-101.2	FIRE PROTECTION FLOOR PLAN 2		●	●		
F-200	FIRE PROTECTION RISER DIAGRAM		●	●		
F-300	FIRE PROTECTION DETAILS		●	●		
MECHANICAL						
M-000	MECHANICAL COVER SHEET		●	●		
DM-100	LEVEL C PHASE 1- DEMOLITION PLAN		●	●		
M-101.0	LEVEL C PHASE 1 - DUCTWORK - RADIOLOGY		●	●		
M-101.1A	LEVEL C PHASE 1 - DUCTWORK - WAITING ROOM		●	●		
M-101.1B	LEVEL C PHASE 1 - DUCTWORK - EMERGENCY DEPARTMENT		●	●		
M-101.2	LEVEL C PHASE 2 - DUCTWORK - EMERGENCY DEPARTMENT		●	●		
M-110E	LEVEL D PHASE 1 - DUCTWORK		●	●		
M-110W	LEVEL D PHASE 1 - DUCTWORK		●	●		
M-201.0	LEVEL C PHASE 1 - PIPING - RADIOLOGY		●	●		
M-201.1A	LEVEL C PHASE 1 - PIPING - WAITING ROOM		●	●		
M-201.1B	LEVEL C PHASE 1 - PIPING - EMERGENCY DEPARTMENT		●	●		
M-201.2	LEVEL C PHASE 2 - PIPING - EMERGENCY DEPARTMENT		●	●		
M-210	LEVEL D PHASE 1 - PIPING		●	●		
M-300	MECHANICAL SCHEDULES		●	●		
M-301	MECHANICAL AIRFLOW DIAGRAM		●	●		
M-400	MECHANICAL DETAILS		●	●		
M-401	MECHANICAL DETAILS		●	●		
M-402	MECHANICAL DETAILS		●	●		
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DP-100	LEVEL B PHASE 1 DEMOLITION PLAN		●	●		
DP-110	LEVEL C PHASE 1 DEMOLITION PLAN		●	●		
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P-099B	LEVEL B PHASE 2 - SANITARY - AREA B		●	●		
P-099C	LEVEL B PHASE 1 - SANITARY - AREA C		●	●		
P-101	LEVEL C PHASE 1- SANITARY- RADIOLOGY		●	●		
P-101.1A	LEVEL C PHASE 1 - SANITARY - WAITING ROOM		●	●		
P-101.1B	LEVEL C PHASE 1 - SANITARY - EMERGENCY DEPARTMENT		●	●		
P-101.2	LEVEL C PHASE 1 - SANITARY - EMERGENCY DEPARTMENT		●	●		
P-199B	LEVEL B PHASE 2 - DOMESTIC & MED GAS - AREA B		●	●		
P-201.0	LEVEL C PHASE 1 - DOMESTIC & MED GAS - RADIOLOGY		●	●		
P-201.1A	LEVEL C PHASE 1 - DOMESTIC & MED GAS - WAITING ROOM		●	●		
P-201.1B	LEVEL C PHASE 1 -DOMESTIC & MED GAS - EMERGENCY DEPARTMENT		●	●		
P-201.1C	LEVEL C PHASE 1 -DOMESTIC & MED GAS - EMERGENCY DEPARTMENT		●	●		
P-201.2	LEVEL C PHASE 1 -DOMESTIC & MED GAS - EMERGENCY DEPARTMENT		●	●		
P-210	LEVEL D PHASE 1 - DOMESTIC & MED GAS		●	●		
P-300	PLUMBING RISER DIAGRAMS		●	●		
P-400	PLUMBING SCHEDULES		●	●	■	
P-500	PLUMBING DETAILS		●	●		
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SC-00	SECURITY COVER SHEET				●	
DSC-100	SECURITY DEMOLITION PLAN				●	
SC-101	SECURITY FLOOR PLAN 0				●	
SC-101.1A	SECURITY FLOOR PLAN 1A				●	
SC-101.1B	SECURITY FLOOR PLAN 1B				●	
SC-101.2	SECURITY FLOOR PLAN 2				●	
SC-400	SECURITY DETAILS				●	
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S-111	DUNNAGE FRAMING PLANS		●	●		
S-200	TYPICAL DETAILS		●	●		
S-201	DUNNAGE AND WIND SCREEN SECTIONS AND DETAIL		●	●	■	
S-202	UNISTRUT DETAILS		●	●		

NJ DCA #5250-33

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	Date	Description
	08.25.2023	DCA SUBMISSION
	09.22.2023	ISSUE FOR BID
A	10.30.2023	ADDENDUM 1

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
INDEX

Scale
As indicated

G-001

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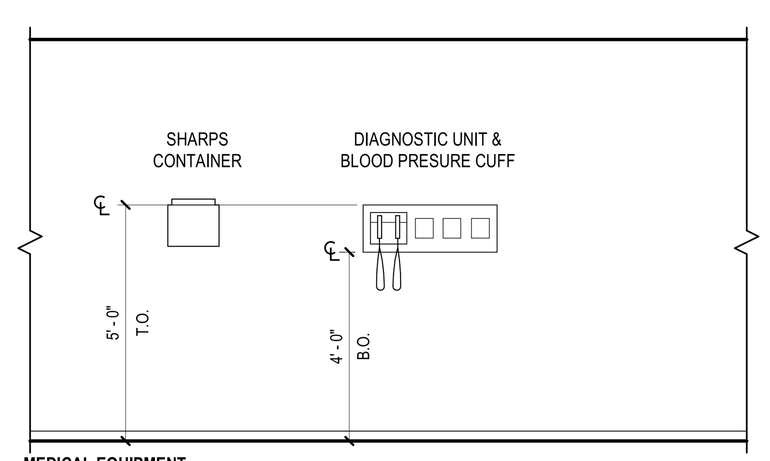
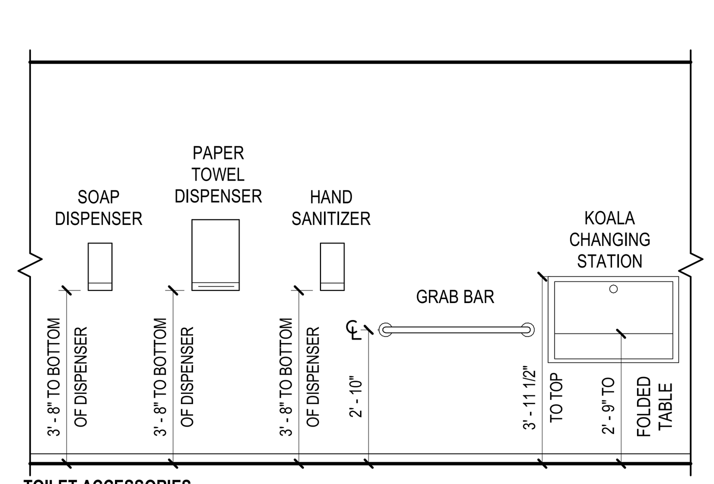
TYPICAL MOUNTING HEIGHTS

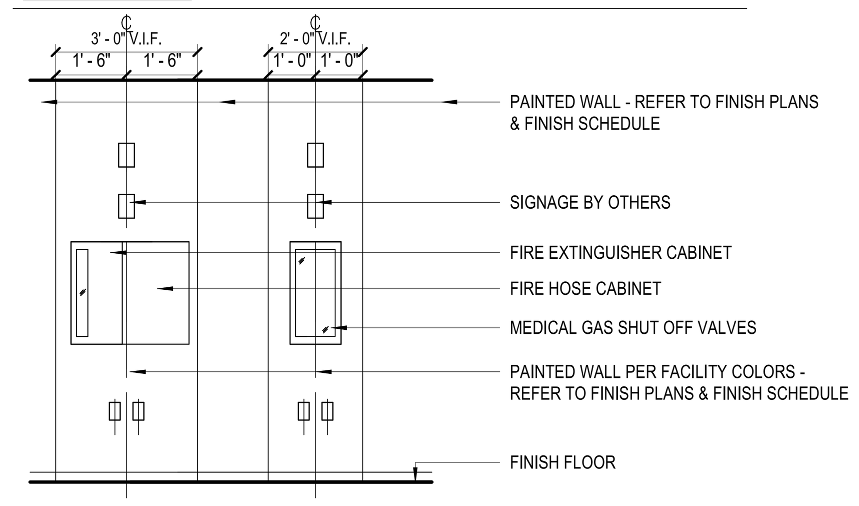
GENERAL NOTES:
1. SEE ARCHITECT'S DRAWINGS FOR PLAN LOCATIONS & ELEVATIONS
2. ALIGN DEVICES VERTICALLY WHEN IN 4'-0" PROXIMITY
3. FOR DEVICES ON WALLS UP TO 3'-0" WIDE, CENTER DEVICES SIMILAR TO COLUMN PLACEMENT SHOWN.
4. FOR NON-DIMENSIONED DEVICES ON WALLS LONGER THAN 3'-0" LAYOUT DEVICES VERTICALLY ON ONE SIDE OF WALL. REFER TO PLANS FOR SIDE LOCATION OF WALL.
5. FOR LOCATIONS WHERE MULTIPLE DEVICES ARE SCHEDULED AT SAME HEIGHT, DEVICES TO BE 2" APART.
6. DEVICES ABOVE MILLWORK OR FURNITURE TO BE 6" ABOVE COUNTER TOP. COORDINATE WITH SCHEDULED MILLWORK AND FURNITURE.



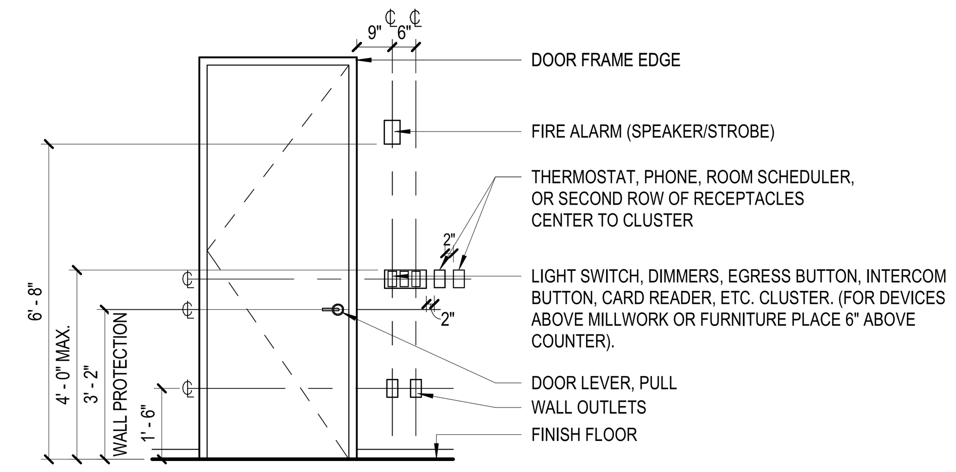
MEDICAL EQUIPMENT



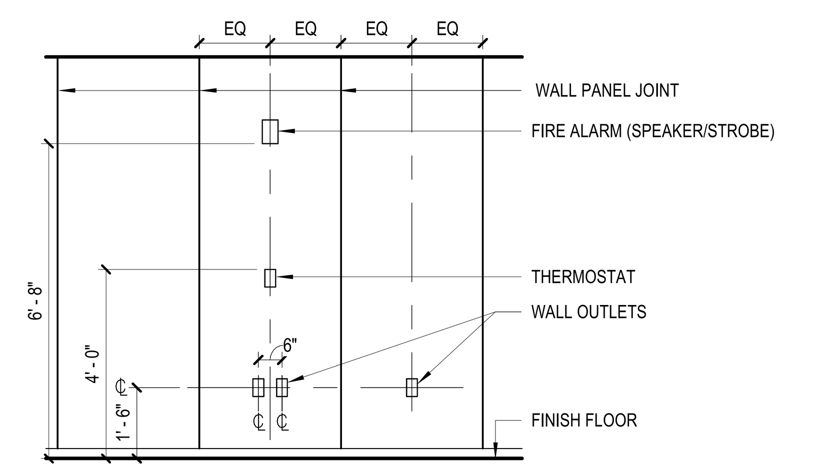
TOILET ACCESSORIES



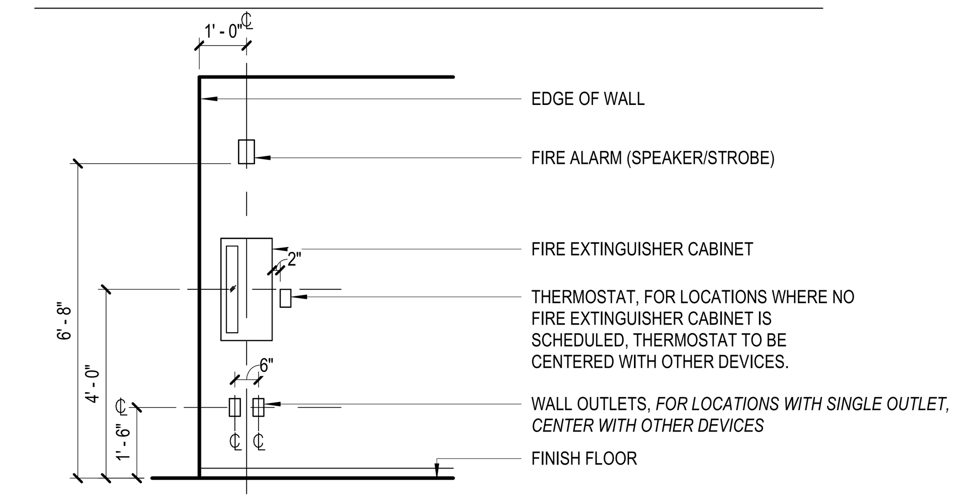
TYPICAL LOCATION FOR PAINTED WALLS AT DEVICES & EQUIPMENT PANELS.



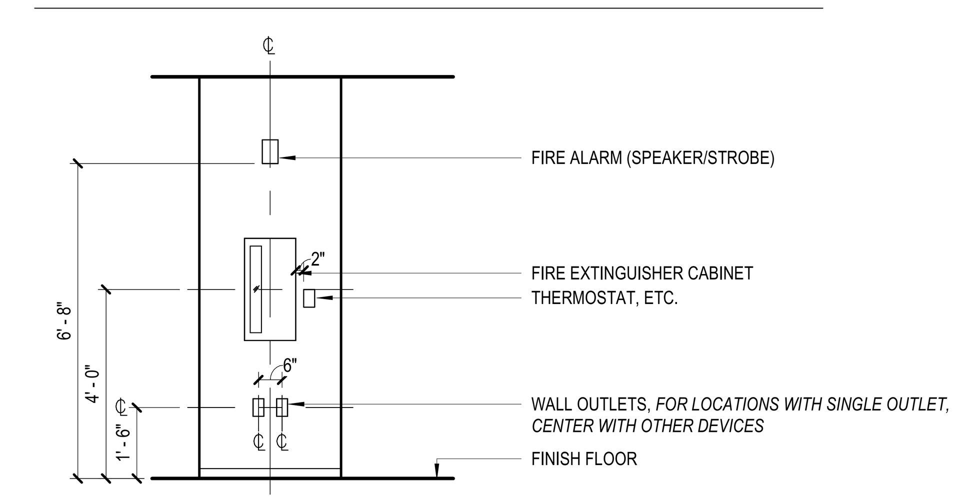
TYPICAL LOCATION FOR DEVICES ON SAME WALL AS DOOR.



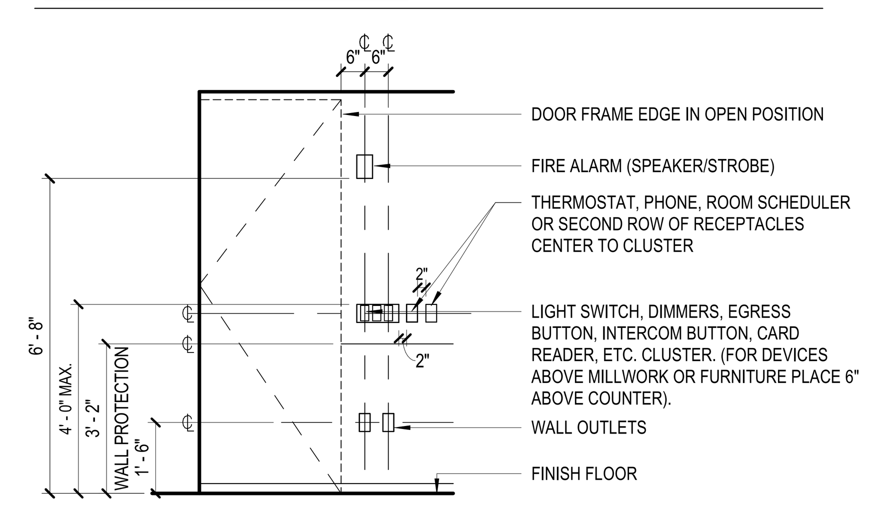
TYPICAL LOCATION FOR DEVICES AT WALL PANELS



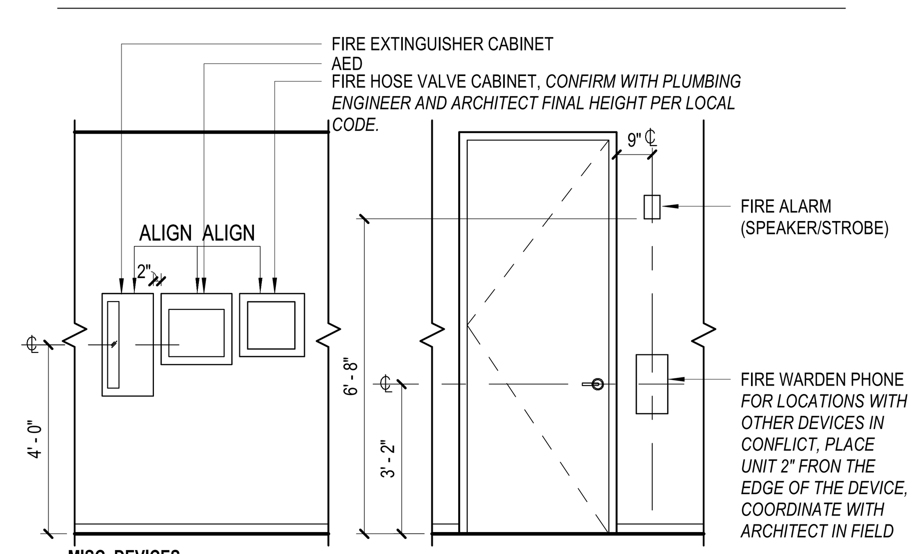
TYPICAL LOCATION FOR DEVICES AT END OF WALL.



TYPICAL LOCATION FOR DEVICES AT COLUMNS.



TYPICAL LOCATION FOR DEVICES ON WALL PERPENDICULAR TO DOOR



MISC. DEVICES

OCCUPANT PROTECTION NOTES

1. GENERAL: ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE 2021 NEW JERSEY BUILDING CODE, CHAPTER 33, AND REGULATIONS OF ALL OTHER AGENCIES HAVING JURISDICTION.
2. STRUCTURAL: NO STRUCTURAL WORK SHALL BE DONE THAT MAY ENDANGER THE OCCUPANTS. CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY BRACING AND SHORING WHEREVER ANY STRUCTURAL WORK IS INVOLVED.
3. MEANS OF EGRESS: ALL EXISTING MEANS OF EGRESS FOR TENANTS OF THE BUILDING TO BE MAINTAINED CLEAR AND FREE OF ALL OBSTRUCTIONS, SUCH AS BUILDING MATERIALS.
4. FIRE SAFETY:
   a. ALL BUILDING MATERIALS WHICH ARE STORED AT THE SITE OR ANY AREA OF THE BUILDING ARE TO BE STORED IN LOCKED AREA. ACCESS TO THE AREA TO BE CONTROLLED BY THE OWNER OR GENERAL CONTRACTOR.
   b. ALL MATERIALS TO BE STORED IN AN ORDERLY FASHION.
   c. ALL FLAMMABLE MATERIALS TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE MANUFACTURERS' CONTAINERS AND SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT.
   d. ALL FLAMMABLE MATERIALS TO BE USED AND STORED IN AN ADEQUATELY VENTILATED SPACE.
   e. ALL ELECTRICAL POWER TO BE SHUT OFF WHERE THERE ARE EXPOSED CONDUITS.
   f. ALL ELECTRICAL POWER IN THE CONSTRUCTION AREA TO BE SHUT OFF AFTER WORKING HOURS.
   g. CONTRACTOR, AT ALL TIMES, TO ENSURE THERE IS NO NATURAL GAS LEAKAGE IN THE BUILDING, OR ANY FLAMMABLE GAS TO BE USED DURING CONSTRUCTION.
5. DUST CONTROL
   a. DEBRIS, DIRT, AND DUST TO BE KEPT TO A MINIMUM AND CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
   b. CONTRACTOR TO ISOLATE CONSTRUCTION AREA FROM THE OCCUPIED BUILDING AREA BY THE MEANS OF TEMPORARY PARTITIONS OR HEAVY WEIGHT DROP CLOTHS.
   c. DEBRIS, DIRT, AND DUST TO BE CLEANED UP AND CLEARED FROM THE BUILDING SITE PERIODICALLY TO AVOID EXCESSIVE ACCUMULATION.
6. NOISE AFTER HOURS
   a. CONSTRUCTION OPERATIONS WILL BE CONFINED TO WORKING HOURS SET FORTH BY THE BUILDING RULES AND REGULATIONS (NOTE #8) WITH THE PROPERTY MANAGER AND IN COMPLIANCE WITH NYC NOISE CONTROL CODE.
   b. CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM ALL AFFECTED PARTIES TO WORK OTHER THAN REGULAR HOURS.
7. CONSTRUCTION OPERATIONS WILL NOT INVOLVE INTERRUPTION OF HEATING, WATER, OR ELECTRICAL SERVICES TO OTHER TENANTS.
8. THERE WILL BE NO ONE OCCUPYING THE PREMISES TO BE RENOVATED DURING THE COURSE OF CONSTRUCTION WORK.

CONSTRUCTION NOTES

1. ALL DIMENSIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR" OR "HOLD." ALLOW FOR THICKNESS OF FINISHES.
2. COORDINATE AND PROVIDE FIRE RETARDENT TREATED WOOD BLOCKING WITHIN PARTITIONS FOR ALL MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.
3. UNDERCUT OF DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4" UNLESS OTHERWISE NOTED.
4. ALL INTERIOR GLAZING TO BE SAFETY GLAZING IN ACCORDANCE WITH APPLICABLE CODES.
5. MARK THE LOCATION OF ALL PARTITIONS ON THE SLAB FOR REVIEW BY THE ARCHITECT PRIOR TO INSTALLATION. REVIEW SHALL BE FOR DESIGN INTENT. CONTRACTOR TO VERY ALL CONDITIONS IN ORDER TO ENSURE PROPER FIT.
6. ALL PARTITIONS SHALL BE PERPENDICULAR OR PARALLEL TO BUILDING CORE WALLS, UNLESS OTHERWISE NOTED.
7. HINGE FACE OF ALL DOOR OPENINGS SHALL BE LOCATED 6" FROM ADJACENT PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
8. WHERE EXISTING ACCESS PANELS CONFLICT WITH CONSTRUCTION, RELOCATE PANELS TO ALIGN WITH AND FIT WITHIN NEW CONSTRUCTION. (REVIEW WITH ARCHITECT IN THE FIELD)
9. REPAIR AND/OR RESTORE ALL EXISTING FIREPROOFING DAMAGED DUE TO DEMOLITION AND NEW WORK. FIREPROOFING SHALL BE AS REQUIRED TO MAINTAIN EXISTING FIRE RESISTANCE RATING.
10. PATCH AND REPAIR ALL EXISTING AND/OR NEW PENETRATIONS THROUGH EXISTING FIRE RATED SLABS AND PARTITIONS, AS REQUIRED, TO MAINTAIN EXISTING FIRE RESISTANCE RATING.
11. PATCH AND REPAIR ALL EXISTING WALLS, COLUMNS AND SURFACES SCHEDULED TO REMAIN AS REQUIRED TO LEAVE THEM SMOOTH AND EVEN TO RECEIVE NEW SCHEDULED FINISHES. REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.

POWER & COMMUNICATIONS NOTES

1. COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA, AUDIO-VISUAL AND SECURITY SYSTEMS.
2. VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.
3. MOUNT STANDARD WALL OUTLETS, STROBES, THERMOSTATS AND OTHER DEVICES AS INDICATED ON THE STANDARD MOUNTING HEIGHT ELEVATIONS, UNLESS OTHERWISE NOTED. ALL LOCATIONS TO BE CONFIRMED BY THE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION.
4. INDICATED DIMENSIONS ARE TO THE CENTERLINE OF AN INDIVIDUAL OUTLET OR TO THE CENTERLINE OF A CLUSTER OF OUTLETS, UNLESS OTHERWISE NOTED.
5. INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES, UNLESS OTHERWISE NOTED. DO NOT INSTALL BACK-TO-BACK.
6. PROVIDE MATCHING "LEVITON DECORA SERIES" TYPE COVER PLATES, RECEPTACLES AND RELATED ITEMS, COLOR: WHITE, UNLESS OTHERWISE NOTED. PROVIDE ALL DEVICES UNDER A COMMON FACEPLATE, UNLESS OTHERWISE NOTED.
7. ARCHITECTURAL DRAWINGS ONLY INDICATE DEVICE LOCATIONS FOR ELECTRICAL, TELECOMMUNICATION, AUDIO-VISUAL AND SECURITY DEVICES. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS, FOR COMPLYING WITH ALL APPLICABLE CODES, FOR PROPER SIZING AND CIRCUITING OF WORK AND FOR PROVIDING RECORD "AS-BUILT" DRAWINGS.
8. FOR ALL LOCATIONS OF CORE DRILLS, OUTLET DEVICES ARE TO BE FLUSH WITH FINISHED FLOOR, UNLESS OTHERWISE NOTED. PRIOR TO CORING OF SLAB, COORDINATE LAYOUT OF ALL FURNITURE ITEMS AND PARTITIONS ON THE SLAB. REVIEW ALL LOCATIONS WITH ARCHITECT AND COORDINATE LOCATIONS WITH OWNER/CLIENT.
9. FOR ALL LOCATIONS REQUIRING CHASING OF THE EXISTING FLOOR SLAB, OUTLET DEVICES ARE TO BE FLUSH WITH FINISHED FLOOR, UNLESS OTHERWISE NOTED. DEVICES SHALL BE FED THROUGH CONDUIT WITHIN THE SLAB AND FED FROM THE NEAREST ADJACENT PARTITION. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
10. ALL STROBE, SPEAKER/STROBE AND VISUAL ALARM DEVICE LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS ARE FOR DESIGN INTENT. SUBMIT "SHOP DRAWING" TO ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO START OF WORK.
11. FURNITURE IS INDICATED FOR GENERAL REFERENCE ONLY.
12 ALL ELECTRIC LOCKSETS, ELECTRIC STRIKES AND/OR MAGNETIC LOCKS, IN THE PATH OF EGRESS, SHALL BE TIED TO THE BUILDING FIRE ALARM SYSTEM. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.

REFLECTED CEILING NOTES

1. ARCHITECTURAL DRAWINGS ONLY INDICATE LOCATIONS OF ELECTRICAL, MECHANICAL, FIRE PROTECTION, AUDIO-VISUAL AND SECURITY DEVICES. FOR SPECIFICATIONS AND DESIGN OF THESE SYSTEMS REFER TO THE ENGINEERING AND/OR CONSULTANT DRAWINGS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS, FOR COMPLYING WITH ALL APPLICABLE CODES, FOR PROPER SIZING AND CIRCUITING OF WORK AND FOR PROVIDING RECORD "AS-BUILT" DRAWINGS.
2. VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, DUCTWORK, STRUCTURAL ELEMENTS AND OTHER APPLICABLE ITEMS. ARRANGE AND MODIFY NON-VISIBLE ITEMS TO ENSURE ADEQUATE CLEARANCES FOR CEILING MOUNTED DEVICES AND FOR CEILING LAYOUT AS INDICATED.
3. MOUNT STANDARD SWITCHES AS INDICATED ON THE STANDARD MOUNTING HEIGHT ELEVATIONS, UNLESS OTHERWISE NOTED.
4. INDICATED DIMENSIONS ARE TO THE CENTERLINE OF A SINGLE SWITCH OR TO THE CENTERLINE OF A CLUSTER OF SWITCHES, UNLESS OTHERWISE NOTED.
5. INSTALL SWITCHES ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES, UNLESS OTHERWISE NOTED. DO NOT INSTALL BACK-TO-BACK.
6. PROVIDE MATCHING "LEVITON DECORA SERIES" TYPE COVER PLATES, SWITCHES AND RELATED ITEMS, COLOR: WHITE, UNLESS OTHERWISE NOTED. PROVIDE ALL DEVICES UNDER A COMMON FACEPLATE, UNLESS OTHERWISE NOTED.
7. LOCATE HVAC DIFFUSERS/REGISTERS AND LIGHTING FIXTURES WITHIN GRID LINES, UNLESS OTHERWISE NOTED. LOCATE SPRINKLER HEADS, SPEAKERS, RECESSED LIGHT FIXTURES AND OTHER CEILING DEVICES IN THE CENTER OF ACOUSTICAL CEILING UNITS, UNLESS OTHERWISE NOTED.
8. FINISH OF HVAC DIFFUSERS/REGISTERS, LIGHT FIXTURE TRIM, DRAPERY POCKETS, SPEAKER GRILLES AND OTHER CEILING MOUNTED DEVICES TO MATCH CEILING GRID FINISH, UNLESS OTHERWISE NOTED.

FINISH NOTES

1. ENSURE SURFACES TO RECEIVE NEW FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING OF WORK INDICATES INSTALLER'S ACCEPTANCE OF SUBSTRATE.
2. REPAIR EXISTING SURFACES SCHEDULED TO REMAIN AS REQUIRED FOR THE APPLICATION OF NEW FINISHES.
3. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM THREE-COAT PAINT SYSTEMS FOR EACH SUBSTRATE.
4. PROVIDE STRAIGHT, FLUSH RESILIENT BASE AT CARPETED AREAS AND COVE, TOP SET RESILIENT BASE AT AREAS OF RESILIENT FLOORING, UNLESS OTHERWISE NOTED.
5. REFER TO PROJECT MANUAL FOR LEVEL OF FINISH FOR GYPSUM BOARD PARTITIONS/CEILINGS AS REQUIRED FOR SPECIFIED FINISHES.
6. ALL EXPOSED DUCTWORK, SPRINKLER PIPING MISC. PIPING & CONDUIT IN AREAS OF NO FINISHED CEILING ARE TO BE PAINTED TO MATCH SLAB PAINT, U.O.N.

FURNITURE NOTES

A. FURNITURE IS INDICATED FOR INFORMATIONAL PURPOSES ONLY.
B. CONTRACTOR TO COORDINATE LAYOUT OF FURNITURE WITH FURNITURE MANAGER/ SUPPLIER PRIOR TO INSTALLATION OF WALL & FLOOR MOUNTED DEVICES.
C. FURNITURE IS SHOWN FOR REFERENCE AND COORDINATION WITH TRADES. COORDINATE FINAL FURNITURE INFORMATION WITH OWNER'S FURNITURE VENDOR. COORDINATE LAYOUT AND POWER AND COMMUNICATIONS REQUIREMENTS WITH FURNITURE VENDOR AND ARCHITECT.
D. COORDINATE AND PROVIDE BLOCKING FOR FURNITURE ITEMS ATTACHED TO OR MOUNTED TO WALLS AND/OR CEILINGS. REFER TO FURNITURE VENDOR DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
E. REFER TO FURNITURE VENDOR AND ELECTRICAL DRAWINGS FOR LOCATIONS OF FLUSH FLOOR POKE THROUGH DEVICES.
F. COORDINATE FINAL AV INSTALLATION WITH OWNER'S AV VENDOR AND INSTALLER. CONFIRM WITH OWNER LOCATIONS AND QUANTITIES PRIOR TO INSTALLATION OF POWER/DATA. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
G. REFER TO SCHEDULES SHEET A-031 AND MEDICAL EQUIPMENT LIST FOR MORE INFORMATION. COORDINATE FURNITURE INSTALL WITH EQUIPMENT PLANS.
H. A MINIMUM OF 44" OF CLEARANCE IS TO BE PROVIDED AT ALL PRIMARY EGRESS PATHWAYS AND A MINIMUM OF 36" CLEARANCE IS TO BE PROVIDED AT ALL SECONDARY VENDOR TO COORDINATE REQUIRED EGRESS PATHWAYS WITH ARCHITECT.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, ORDINANCES, RULES AND REGULATIONS OF THE PUBLIC AUTHORITIES GOVERNING THE WORK.
2. OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS AND FINAL SIGN-OFFS REQUIRED BY THE PUBLIC AUTHORITIES GOVERNING THE WORK.
3. THE DRAWINGS AND PROJECT MANUAL ARE COMPLEMENTARY AND THEIR INTENT IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. THE ORGANIZATION OF THE DRAWINGS AND PROJECT MANUAL SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING WORK AMONG THE SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK PERFORMED BY ANY TRADE.
4. REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. THE CONTRACTOR SHALL REPORT ANY CONFLICTS AND/OR OMISSIONS TO THE ARCHITECT PRIOR TO PERFORMING ANY WORK IN QUESTION. OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO COMPLETE THE WORK STATED IN THE CONTRACT DOCUMENTS BASED UPON THE OPTIMAL ESTABLISHED QUALITY STANDARD.
5. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS AND/OR CHANGES TO THE ARCHITECT, IN WRITING, FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
6. COORDINATE WORK WITH THE OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES AND USE OF ELEVATORS AS TO MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.
7. OWNER WILL PROVIDE WORK NOTED AS "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
8. MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES AND ALARMS FOR DURATION OF WORK IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.
9. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE FOR DURATION OF WORK. ALL DAMAGE DUE TO IMPROPER PROTECTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
10. MAINTAIN WORK AREAS SECURE AND LOCKABLE FOR THE DURATION OF WORK AND COORDINATE WITH OWNER/LANDLORD TO ENSURE SECURITY.
11. PROVIDE A DULY AUTHORIZED FULL-TIME REPRESENTATIVE ON THE JOB SITE AT ALL TIMES FOR SUPERVISION OF CONSTRUCTION AS OUTLINED IN THE PROJECT MANUAL.
12. SUBMIT SAMPLES, DATA SHEETS AND SHOP DRAWINGS AS OUTLINED IN THE PROJECT MANUAL.
13. MAINTAIN THE CONSTRUCTION PREMISES IN A NEAT AND ORDERLY CONDITION AS OUTLINED IN THE PROJECT MANUAL.
14. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR CLARIFICATION OR INFORMATION TO THE ARCHITECT. TELEPHONE INQUIRIES WILL NOT BE PERMITTED.

DEMOLITION NOTES

1. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL BUILDING CODES, LAWS, ORDINANCES, RULES AND REGULATIONS OF THE PUBLIC AUTHORITIES COVERNING THE WORK.
2. OWNER SHALL OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS AND FINAL SIGN-OFFS REQUIRED BY THE PUBLIC AUTHORITIES GOVERNING THE WORK.
3. THE DRAWINGS AND PROJECT MANUAL/ SPECIFICATIONS ARE COMPLEMENTARY AND THEIR INTENT IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. THE ORGANIZATION OF THE DRAWINGS AND SPECIFICATIONS SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING WORK AMONG THE SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK PERMFORMED BY ANY TRADE.
4. CONTRACTOR SHALL REVIEW DOCUMENTS, VERIFY FIELD CONDITIONS AND CONFIRM THAT WORK CONFORMS TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REPORT ANY CONFLICTS AND/ OR OMISSIONS TO THE ARCHITECT PRIOR TO PERFORMING ANY WORK IN QUESTION.
5. LOCATE ALL UTILITIES PRIOR TO STARTING ANY DEMOLITION. SEE MECHANICAL, ELECTRICAL, PLUMBING & FIRE-PROTECTION DEMOLITION NOTES FOR ADDITIONAL INFORMATION.
6. CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS AND/ OR CHANGES TO THE ARCHITECT, IN WRITING.
7. COORDINATE WORK WITH THE OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES.
8. MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES AND ALARMS FOR DURATION OF WORK IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES. SEE ELECTRICAL NOTES FOR ADDITIONAL INFORMATION.
9. PROVIDE AND MAINTAIN BARRICADES, LIGHTING AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT WORKERS.
10. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE FOR DURATION OF WORK. ALL DAMAGE DUE TO IMPROPER PROTECTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. ERECT DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT THE SPREAD OF DUST, FUMES, SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. UPON COMPLETION OF WORK, REMOVE PARTITIONS AND REPAIR SURFACES DAMAGED TO MATCH ADJACENT SURFACES.
11. CONTRACTOR SHALL REPAIR EXISTING SURFACES DAMAGED DURING DEMOLITION.
12. MAINTAIN WORK AREAS SECURE AND LOCKABLE FOR THE DURATION OF WORK AND COORDINATE WITH OWNER/ LANDLORD TO ENSURE SECURITY.
13. PROVIDE A DULY AUTHORIZED FULL-TIME REPRESENTATIVE ON THE JOB SITE AT ALL TIMES FOR SUPERVISION OF CONSTRUCTION AS OUTLINED IN THE SPECIFICATIONS.
14. MAINTAIN THE CONSTRUCTION PREMISES IN A NEAT AND ORDERLY CONDITIONS AS OUTLINED IN THE SPECIFICATIONS.
15. REMOVE DESIGNATED PARTITIONS, FINISHES, DOORS, COMPONENTS, BUILDING EQUIPMENT, FIXTURES, WALL MOUNTED DEVICES AND ASSOCIATED ATTACHMENT CLIPS AS REQUIRED FOR WORK SHOWN ON FLOOR DEMOLITION PLANS AND AS DESCRIBED IN DEMOLITION NOTES.
16. REMOVE ALL EXISTING INTERIOR DROPPED CEILINGS, SOFFITS, FASCIAS AND SUPPORT FRAMING SYSTEMS IN THEIR ENTIRETY. REMOVE EXISTING CEILING MOUNTED GRILLES, LIGHT FIXTURES, DIFFUSERS, AND FLEX DUCT TO THE POINT OF CONNECTION. VOLUME DAMPERS ARE TO REMAIN OPEN IN ORDER TO KEEP SPACE CONDITIONED. SEE MECHANICAL, ELECTRICAL, PLUMBING & FIRE-PROTECTION DEMOLITION NOTES FOR ADDITIONAL INFORMATION.
17. REMOVE EXISTING FLOOR FINISHES AND ASSOCIATED TOPPING SLAB IF PRESENT.

    17a. IF PRESENT, REMOVE EXSITING FLOOR MOUNTED JUNCTION BOXES. SEE ELECTRICAL DEMOLITION NOTES FOR ADDITIONAL INFORMATION
18. BEFORE REMOVING EXISTING CIRCUITS, ELECTRICAL CONTRACTOR SHALL CONFIRM THAT THESE CIRCUITS DO NOT FEED OTHER SPACES OR SYSTEMS IN THE BUILDING. SEE ELECTRICAL DEMOLITION NOTES FOR ADDITIONAL INFORMATION.
19. REMOVE REFUSE, DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION FROM THE SITE DAILY AND LEGALLY DISPOSE OF IT.
20. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN, IN CASE OF CONFLICT, THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR CLARIFICATION OR INFORMATION TO THE ARCHITECT. TELEPHONE INQUIRIES WILL NOT BE PERMITTED.
21. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO ADDITIONAL COST TO THE OWNER.
22. DURING DEMOLITION, CONTRACTOR SHALL NOT INTERRUPT THE POWER SERVING EGRESS STAIRS AND PARTS OF BUILDING THAT REMAIN OCCUPIED. CONTRACTOR SHALL PROVIDE TEMPORARY FEEDS AS REQ'D IN ORDER TO MAINTAIN CONTINUITY OF ALL SYSTEMS. POWER SHUTDOWNS SHALL BE COORDINATED WITH OWNER.
23. WHERE REMOVAL OF RECEPTACLES, LIGHTING FIXTURES, ELECTRICAL DEVICES, ETC., RESULTS IN LOSS OF POWER, FUNCTION AND/ OR OPERATION OF EQUIPMENT, SERVICES AND OTHER DEVICES THAT ARE TO REMAIN ACTIVE, CONTRACTOR SHALL PROVIDE NECESSARY BRANCH WIRING, CONTROL WIRING, ETC. TO MAINTAIN REQUIRED ELECTRICAL CONTINUITY. SEE ELECTRICAL DEMOLITION NOTES FOR ADDITIONAL INFORMATION.
24. PRIOR TO DEMOLITION WORK PROVIDE TEMPORARY LIGHTING THROUGHOUT THE WORK AREAS (FOR ALL TRADES) USING LED LAMP ON STRINGERS, CONNECT TEMPORARY LIGHTING TO BUILDING PANELS LOCATED IN BUILDING ELECTRICAL CLOSET. TEMPORARY LIGHTING TO REMAIN AFTER COMPLETION OF DEMOLITION SCOPE.
25. FIRE PROTECTION SYSTEM TO BE MAINTAINED DURING CONSTRUCTION, PROVIDE TEMPORARY HEAT SHIELDS OR TURN SPRINKLER UPRIGHT AS REQUIRED TO MAINTAIN PROTECTION OF SPACE. SEE FIRE-PROTECTION DEMOLITION NOTES FOR ADDITIONAL INFORMATION.
26. CONTRACTOR SHALL COORDINATE WITH OWNER WHETHER ANY ITEMS ARE TO BE SALVAGED. THESE SHOULD BE RETAINED AND STORED AS DIRECTED BY OWNER. OTHERWISE, ALL REMOVED MATERIAL / DEBRIS IS TO BE RECYCLED OR DISPOSED IN AN AUTHORIZED FACILITY IN ACCORDANCE WITH MUNICIPAL AND STATE LAWS.
27. FUTURE SLAB CUT-OUTS TO BE COORDINATED WITH NEW PLUMBING FIXTURES' LAYOUT AND PLUMBING DRAWINGS.
28. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE-PROTECTION DEMOLITION NOTES FOR ADDITIONAL INFORMATION AND DAY-TWO DEMOLITION WORK.
29. SEE DEMOLITION FLOOR PLANS FOR ADDITIONAL INFORMATION.

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
GENERAL NOTES

Scale
As indicated

G-002

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GRAPHICS SYMBOLS (CONT.)

ELEVATION INDICATIONS

- GLASS SYMBOL
- MASONRY COURSING
- WOOD VENEER
- STONE

SECTION INDICATIONS

- ACOUSTICAL CEILING TILE
- ALUMINUM
- BRICK
- CARPET
- CONCRETE
- CONCRETE MASONRY UNIT
- CUTSTONE
- EARTH OR GROUND
- FABRIC WRAPPED PANEL
- GLASS
- GRAVEL
- GYPSUM BOARD
- INSULATION (LOOSE OR BATT)
- INSULATION (RIGID)
- METAL
- A PLASTER
- PLASTER/LATH
- PLYWOOD
- PRE-CAST CONCRETE
- SAND OR GROUT
- STONE
- WOOD (FINISHED)
- WOOD (CONTINUOUS BLOCKING)
- WOOD (INTERRUPTED BLOCKING)

GRAPHICS SYMBOLS (CONT.)

REFLECTED CEILING

- ACOUSTICAL CEILING AND GRID
- CEILING HEIGHT CHANGE
- XX' - XX" FINISH CEILING HEIGHT
- GRID STARTPOINT
- XX CEILING FINISH
- ACCESS DOOR
- SECURITY CAMERA
- T THERMOSTAT
- S CEILING MOUNTED SPEAKER
- OC OCCUPANCY SENSOR
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- E DENOTES EXISTING TO REMAIN
- R DENOTES EXISTING TO BE RELOCATED

LIGHT FIXTURES

- FXX — LIGHT FIXTURE; FIXTURE TYPE REFERENCE
- FXX — LIGHT FIXTURE / EMERGENCY CIRCUIT; FIXTURE TYPE REFERENCE
- EXISTING LIGHT FIXTURE TO BE REMOVED
- FXX — STRIP FIXTURE; FIXTURE TYPE REFERENCE
- FXX — DOWNLIGHT FIXTURE; FIXTURE TYPE REFERENCE
- FXX — DOWNLIGHT FIXTURE / EMERGENCY CIRCUIT; FIXTURE TYPE REFERENCE
- FXX — TRACK LIGHTING; FIXTURE TYPE REFERENCE
- FXX — PENDANT FIXTURE; FIXTURE TYPE REFERENCE
- FXX — WALL SCONCE; FIXTURE TYPE REFERENCE
- X — SWITCH TYPE (D=DIMMER, 3=3 WAY, S=SHADE); SWITCH DEVICE

MECHANICAL FIXTURES

- RETURN AIR
- SUPPLY AIR
- CIRCULAR DIFFUSER
- LINEAR DIFFUSER
- EF EXHAUST FAN
- CEILING MOUNTED SPRINKLER HEAD
- U UPRIGHT SPRINKLER HEAD
- SD CEILING MOUNTED SMOKE DETECTOR
- CO2 CO2 DETECTOR

GRAPHICS SYMBOLS (CONT.)

POWER AND COMMUNICATION, CONT

SURFACE FLOOR MOUNTED, POKE THRU DEVICES

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- VOICE/DATA RECEPTACLE
- DATA RECEPTACLE
- VOICE RECEPTACLE
- COMBINATION DUPLEX & VOICE/DATA RECEPTACLE
- COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES
- COMBINATION DUPLEX, AUDIO VISUAL AND VOICE/DATA RECEPTACLES
- COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES
- AV INFEED
- P POWER INFEED
- V VOICE INFEED
- PV COMBINATION POWER & VOICE/DATA INFEED

FURNITURE SYSTEMS MOUNTED DEVICES

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- VOICE/DATA RECEPTACLE
- DATA RECEPTACLE
- VOICE RECEPTACLE
- ELECTRIC PIGTAIL
- PP POWER POLE

SECURITY DEVICES

- CR CARD READER
- B DOOR BELL
- IC INTERCOM
- DR REMOTE DOOR RELEASE BUTTON
- MS MOTION SENSOR
- IA INTRUSION ALARM
- H DOOR HOLD OPEN
- DR DOOR RELEASE
- DC SINGLE DOOR MONITOR CONTACT
- DDC DOUBLE DOOR MONITOR CONTACT
- EH ELECTRIC DOOR HINGE
- EL ELECTRIC LOCKSET
- KS ELECTRIC KEY SWITCH
- ES ELECTRIC STRIKE
- ML MAGNETIC LOCKSET
- PB PANIC BUTTON
- VC VOICE CALL
- AO AUTO DOOR OPERATOR

NURSE CALL DEVICES

- DL DOME LIGHT
- PS SINGLE SMART PATIENT STATION
- DS SINGLE SMART STAFF EMERGENCY/DUTY STATION
- PZ NURSE CALL - LAVATORY STATION
- CS SINGLE SMART STAFF EMERGENCY/CODE STATION
- SC STAFF CONSOLE AT NURSE STATION
- M NURSE CALL MASTER STATION
- E NURSE CALL EMERGENCY STATION
- L NURSE CALL LAVATORY STATION
- D NURSE CALL DUTY STATION
- S NURSE CALL STAFF STATION
- M C NURSE CALL CODE BLUE STATION
- F C NURSE CALL EQUIPMENT CABINET-SURFACE MOUNTED
  F= FLUSH WALL MOUNTED
- 1 NURSE CALL CORRIDOR LAMP, WALL MOUNTED, NUMBER OF LAMP SECTIONS EQUAL TO NUMBER OF COLORS IN ASSOCIATED CORRIDOR LAMPS.
  C= CEILING MOUNTED
  #= ZONE NUMBER
- 2 NURSE CALL ZONE LAMP, WALL MOUNTED, NUMBER OF LAMP SECTIONS EQUAL TO NUMBER OF COLORS IN ASSOCIATED CORRIDOR LAMPS.
  C= CEILING MOUNTED
  #= ZONE NUMBER
- F C INTERCOM CENTRAL EQUIPMENT SURFACE MOUNTED
  F=FLUSH WALL MOUNTED
- M C INTERCOM STATION
  M= MASTER STATION
- PC PHYSIOLOGICAL MONITORING- COMBINATION POWER/SIGNAL 2 GANG PARTITIONED WALLBOX WITH A DUPLEX RECEPTACLE AND 3/4"C (1.5"C AT NURSE'S STATION) TERMINATED IN A 90 DEGREE BEND 6" INTO ACCESSIBLE CEILING
  FM=FETAL MONITOR

GRAPHICS SYMBOLS (CONT.)

POWER AND COMMUNICATION

WALL MOUNTED DEVICES

- XXX EQUIPMENT TAG (REFER TO EQUIPMENT SCHEDULE)
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- VOICE/DATA RECEPTACLE
- DATA RECEPTACLE
- VOICE RECEPTACLE
- CTV CABLE TV RECEPTACLE
- AV RECEPTACLE
- AVT AV TROUGH
- ELECTRICAL JUNCTION BOX
- VOICE/DATA JUNCTION BOX
- POWER INFEED
- VOICE/DATA INFEED
- CONDUIT STUB-OUT POWER
- CONDUIT STUB-OUT VOICE AND DATA
- CONDUIT STUB-OUT A/V
- PLUG MOLD
- E DENOTES EXISTING TO REMAIN
- R DENOTES EXISTING TO BE RELOCATED

FLUSH FLOOR MOUNTED DEVICES

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- VOICE/DATA RECEPTACLE
- DATA RECEPTACLE
- VOICE RECEPTACLE
- COMBINATION DUPLEX & VOICE/DATA RECEPTACLE
- COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES
- COMBINATION DUPLEX, AUDIO VISUAL AND VOICE/DATA RECEPTACLES
- COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES
- P FLOOR BOX POWER INFEED
- V FLOOR BOX VOICE INFEED
- AV FLOOR BOX AV RECEPTACLE
- PVD RAISED FLOOR BOX, COMBINATION POWER, VOICE/DATA
- PVA RAISED FLOOR BOX, COMBINATION POWER, VOICE/DATA, A/V
- AV RAISED FLOOR BOX, AV

FLUSH FLOOR MOUNTED, POKE THRU, DEVICES

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- VOICE/DATA RECEPTACLE
- DATA RECEPTACLE
- VOICE RECEPTACLE
- COMBINATION DUPLEX & VOICE/DATA RECEPTACLE
- COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES
- COMBINATION DUPLEX, AUDIO VISUAL AND VOICE/DATA RECEPTACLES
- COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES
- AV INFEED
- P POWER INFEED
- V VOICE INFEED
- PV COMBINATION POWER & VOICE/DATA INFEED

SURFACE FLOOR MOUNTED DEVICES

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- VOICE/DATA RECEPTACLE
- DATA RECEPTACLE
- VOICE RECEPTACLE
- COMBINATION DUPLEX & VOICE/DATA RECEPTACLE
- COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES
- COMBINATION DUPLEX, AUDIO VISUAL AND VOICE/DATA RECEPTACLES
- COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES
- P POWER INFEED
- V VOICE INFEED
- AV AV INFEED
- CONDUIT STUB UP, POWER
- CONDUIT STUB UP, VOICE/DATA
- CONDUIT STUB UP, AV

GRAPHICS SYMBOLS

CONSTRUCTION

- W.9 — COLUMN GRID REFERENCE NUMBER; COLUMN GRID LINES AND REFERENCE NUMBER
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- NEW PARTITION
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 3 HR. RATED PARTITION
- 4 HR. RATED PARTITION
- SMOKE PARTITION
- E01-01 4' - 6" — LIFE SAFETY PATH
- PA-P01-01 4' - 6" — PRIMARY EGRESS PATH
- PA-S01-01 4' - 6" — SECONDARY EGRESS PATH
- PA-T01-01 4' - 6" — TERTIARY EGRESS PATH
- MILLWORK; MILLWORK ABOVE
- XX / XXXX.XX — DETAIL NUMBER; SHEET NUMBER
- SIM — DESCRIPTION OF SIMILAR OR OPPOSITE
- FL 12. NW — FLOOR NUMBER AND AREA OR PHASE
- AREA TO BE DETAILED
- A — LOCATION ON ROW WHERE ELEVATION IS SHOWN
- 01 — DIRECTION OF ELEVATION
- A11.XX — ROW ON SHEET WHERE ELEVATION IS SHOWN; SHEET NUMBER WHERE ELEVATION IS SHOWN
- XX — REVISION REFERENCE NUMBER; REVISION CLOUD DEPICTING AREA REVISED
- ROOM NAME — ROOM NAME
- 101 — ROOM NUMBER
- 00 — SHEET NOTE REFERENCE
- 2A9A — WALL TYPE REFERENCE
- XXXXXX — DOOR REFERENCE NUMBER (REFER TO DOOR SCHEDULE)
- XXX — WINDOW REFERENCE NUMBER (REFER TO WINDOW SCHEDULE)
- XXXX — MILLWORK REFERENCE NUMBER (REFER TO MILLWORK SCHEDULE)
- Name Elevation — ELEVATION DATUM REFERENCE
- MATCH LINE SYMBOL
- ALIGN — ALIGN WITH ESTABLISHED SURFACES

WALL MOUNTED LIFE SAFETY EQUIPMENT AND DEVICES

- FW FIRE WARDEN STATION
- ST FIRE ALARM STROBE
- FA FIRE ALARM PULL
- FEC RECESSED FIRE EXTINGUISHER CABINET
- FE WALL MOUNTED FIRE EXTINGUISHER
- FHC RECESSED FIRE HOSE CABINET
- FV WALL MOUNTED FIRE VALVE
- FVC RECESSED FIRE VALVE CABINET
- E DENOTES EXISTING TO REMAIN
- R DENOTES EXISTING TO BE RELOCATED

FINISH

- XX — WALL FINISH; BASE FINISH
- XX — WALL FINISH
- XXX — WALL FINISH; WAINSCOT FINISH; BASE FINISH
- EXTENT OF WALL / WAINSCOT / BASE FINISH
- XX — SPECIAL FINISH
- XX — FLOOR FINISH
- XX — CEILING FINISH
- CHANGE IN FLOOR FINISH

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	Date	Description
	08.25.2023	DCA SUBMISSION
	09.22.2023	ISSUE FOR BID
A	10.30.2023	ADDENDUM 1

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
GRAPHIC SYMBOLS

Scale
1/8" = 1'-0"

G-003

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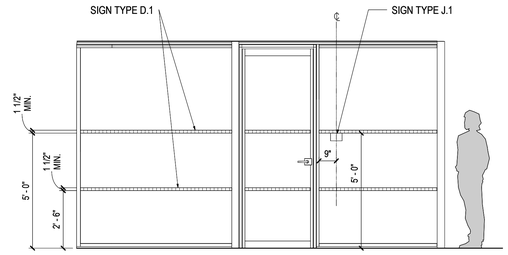

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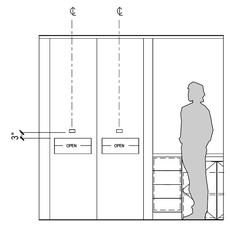

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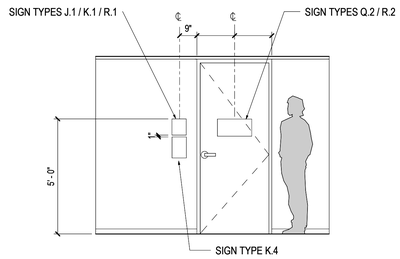
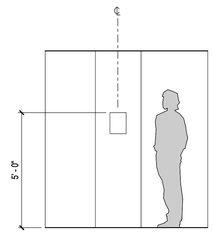
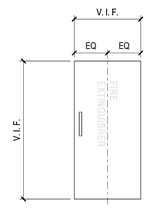


SIGN TYPES J.1, K.1, K.4, Q.2, R.1 & R.2



SIGN TYPES T.5 & X.1



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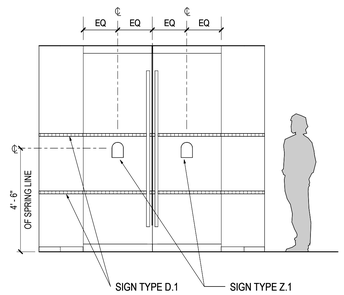
SIGN TYPE Q.1



SIGN TYPE Z.1

GENERAL NOTES

A ELEVATIONS REPRESENT TYPICAL MOUNTING HEIGHTS FOR ALL CODE REQUIRED SIGN TYPES.

B REFER TO 101423.16 FOR SIGNAGE DESIGN SPECIFICATIONS AND DESIGN INTENT DRAWINGS.

C COORDINATE WITH OWNER ON SIGNAGE REQUIREMENTS PRIOR TO INSTALL.

SHEET NOTES

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
SIGNAGE TYP. HEIGHTS

Scale
3/8" = 1'-0"

G-004

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PROJECT LOCATION

SCALE: 1:1200

PROJECT NORTH

ARCHITECTURAL CAMPUS PLAN

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Date	Description
07.14.2023	DOH FUNCTIONAL PLAN REVIEW
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
SITE PLAN

Scale
NOT TO SCALE

G-005

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6. DOORS	THE PROJECT IS USING EXISTING EGRESS ACCESS DOORS. THE EXISTING EGRESS ACCESS DOORS MEET THE CRITERIA LISTED BELOW.
A. MINIMUM WIDTH	DOORS SHALL PROVIDE A MINIMUM CLEAR OPENING WIDTH OF 32 INCHES. IN GROUP I-2, DOORS SERVING AS MEANS OF EGRESS DOORS FOR THE MOVEMENT OF BEDS SHALL PROVIDE A MINIMUM CLEAR OPENING OF 41 1/2 INCHES. THE MINIMUM CLEAR OPENING HEIGHT OF DOORS SHALL BE NOT LESS THAN 80 INCHES. (IBC NJ 2021 SECTION 1010.1.1)
B. UNITS OF EXIT WIDTH	0.2 PER OCCUPANT, SPRINKLERED (IBC NJ 2021 SECTION 1005.3.2 AND NFPA 101 2021 -7.3.3.1)
C. OCCUPANTS PER EXIT UNIT	PER 1 EXIT UNIT (IBC NJ 2021 1005.3.2(E)1) (NFPA 101 2021 TABLE 7.3.3.1)
D. CONSTRUCTION RATING/GLASS SIZE	(IBC NJ 2021 TABLE 716.1(2) AND NFPA 101 2021 TABLE 8.3.4.2)
· FIRE DOORS	100 SQ. IN.
· SMOKE DOORS	MAXIMUM SIZE TESTED
· HORIZONTAL EXIT DOOR	100 SQ. IN.
· STAIR DOORS	100 SQ. IN.
· CORRIDOR DOORS	MAXIMUM SIZE TESTED
E. SPECIAL HARDWARE REQUIREMENTS	N/A
F. MINIMUM HEIGHT	80 INCHES
	(IBC NJ 2021 SECTION 1010.1.1)
G. DIRECTION OF SWING	IN DIRECTION OF EGRESS
	(IBC NJ 2021 SECTION 1010.1.2.1)
	(NFPA 101 2021 SECTION 7.2.1.4.2)
7. ELEVATORS	N/A
8. LOBBY REQUIREMENTS	N/A
9. MEZZANINE REQUIREMENTS	N/A

D. LIGHT AND VENTILATION

1. ROOM SIZE	N/A
2. MINIMUM CEILING HEIGHT	7'-10" MINIMUM, EXCEPT IN CORRIDORS AND NORMALLY UNOCCUPIED SPACES, 7'-6" MINIMUM.
	(EXAMPLES: TOILET ROOMS, STORAGE, SOILED HOLDING, CHANGING, CLEAN HOLDING, EVS, ELEC, IT.)
	(FGI 2022 2.1-7.2.2.2)
3. NATURAL LIGHT AND VENTILATION	N/A
A. WINDOW REQUIREMENT	N/A
B. MAXIMUM STILL HEIGHT	N/A
4. FIREMAN'S ACCESS	N/A

E. INTERIOR FINISHES

1. FLAME SPREAD RATINGS	CLASS B MINIMUM
	(IBC NJ 2021 TABLE 803.13)
	CLASS C ALLOWED FOR GRADE LOBBY, 1,000 SF MAX, APPLIED DIRECTLY TO NONCOMBUSTIBLE BASE

F. PLUMBING FIXTURE REQUIREMENTS

1. LAVATORIES	SEE FIXTURE COUNT SCHEDULE ON LIFE SAFETY DRAWINGS

G. SPECIAL BARRIER FREE REQUIREMENTS

1. ACCESSIBILITY REQUIREMENTS	ADA - 2010 AND ANSI A117.1 - 2017
2. ACCESSIBILITY REQUIREMENTS	ONE TREATMENT ROOM AND TOILET MUST HAVE PROVISIONS FOR BARIATRIC PATIENTS.

C. EGRESS REQUIREMENTS

1. ROOMS	
A. EXIT ACCESS	ANY CARE SUITE THAT CONTAINS SLEEPING ROOMS, OF MORE THAN 1,000 SF SHALL HAVE NOT FEWER THAN TWO EXIT ACCESS DOORS (IBC NJ 2021 SECTION 407.4.4.5.2)
B. EXIT ACCESS THROUGH CARE SUITES	EXIT ACCESS FROM ALL OTHER PORTIONS OF A BUILDING NOT CLASSIFIED AS A CARE SUITE SHALL NOT PASS THROUGH A CARE SUITE (IBC NJ 2021 SECTION 407.4.4.1)
C. SEPARATION BETWEEN SUITES	CARE SUITES SHALL BE SEPARATED FROM OTHER PORTIONS OF THE BUILDING, INCLUDING OTHER CARE SUITES, BY A SMOKE PARTITION COMPLYING WITH SECTION 710
D.MAXIMUM DISTANCE: -FIRST EXIT FROM ANY POINT IN A SLEEPING SUITE TO A CORRIDOR DOOR -SECOND EXIT FROM ANY POINT IN A SLEEPING SUITE TO CORRIDOR DOOR, EXIT OR ADJACENT SUITE	100 FEET MAXIMUM SPRINKLERED (IBC NJ 2021 SECTION 407.4.4.3 AND NFPA 101 2021 – 19.2.5.7.2.4 (A))
E.MAXIMUM DISTANCE FROM ANY POINT IN A SUITE TO AN EXIT:	200 FEET MAXIMUM SPRINKLERED (IBC NJ 2021 SECTION 407.5.2 AND NFPA 101 2021 – 19.2.5.7.2.4 (B) (2))
F.SWING OF CORRIDOR DOOR	DOOR SHALL SWING IN THE DIRECTION OF EGRESS WHEN SERVING AN AREA WITH AN OCCUPANT LOAD OF 50 OR MORE PERSONS (IBC NJ 2021 SECTION 1010.1.2.1 AND NFPA 101 2021 - 7.2.1.4.2)
2. CORRIDORS	
A. MAXIMUM DISTANCE TO NEAREST EXIT •SPRINKLERED	200 FEET MAXIMUM SPRINKLERED (IBC NJ 2021 TABLE 1017.2 AND NFPA 101 2021 – 19.2.6.2.2)
B. MAXIMUM DEAD END	30 FEET SPRINKLERED FOR HEALTH CARE (IBC NJ 2021 SECTION 1020.5 (4) AND NFPA 101 2021 – 19.2.5.3)
C. OCCUPANT PER EXIT UNIT (WIDTH/PERSON)	0.2 INCHES PER OCCUPANT (SPRINKLERED) (IBC NJ 2021 SECTION 1005.3.2 AND NFPA 101 2021 TABLE 7.3.3.1)
D. MINIMUM WIDTH	48 INCHES MINIMUM FOR EGRESS (NFPA 101 2021 SECTION 19.2.3.4) 72 INCHES FOR STRETCHER TRAFFIC IN AMBULATORY CARE FACILITY. 96 INCHES FOR BED MOVEMENT IN HEALTH CARE FACILITY...
E. CLEAR HEAD ROOM	90 INCHES MINIMUM. PROJECTIONS FROM THE CEILING SHALL PROVIDE HEADROOM OF NOT LESS THAN 80 INCHES. (NFPA 101 2021 SECTION 7.1.5.1)
F. MAXIMUM GLASS AREA IN CORRIDOR WALL 1-HOUR/2-HOUR	1 HR WALL: DOOR VISION PANEL SIZE: MAXIMUM SIZE TESTED SIDELIGHT/TRANSOM PANEL: 45 MIN. & D-H
	2 HR WALL: DOOR VISION PANEL SIZE: 100 SQ. IN. SIDELIGHT/TRANSOM PANEL: 2 HR. & W-120
G. OTHER REQUIREMENTS	EXIT ACCESS CORRIDORS SHOULD BE SEPARATED BY MINIMUM: 1 HR RATED WALLS FOR OCCUPANCY LOAD OF +30. (NFPA 101 2021 SECTION 7.1.3.1) 0 HR FOR (IBC NJ 2021 TABLE 1020.2) ACTUAL CORRIDORS HAVE 1 HR OR 2 HR RATING.
3. EXITS AND EXIT ACCESS	THE SEPARATION DISTANCE BETWEEN EXITS OR EXIT ACCESS DOORWAYS, SPRINKLERED, SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED. (IBC NJ 2021 SECTION 1007.1.1 (2) AND NFPA 101 2021 SECTION 7.5.1.3.3)
4. STAIRWAYS	THE PROJECT IS USING EXISTING EGRESS STAIRWAYS. THE EXISTING EGRESS STAIRWAYS MEET THE CRITERIA LISTED BELOW.
A. UNIT OF EXIT WIDTH	0.3 PER OCCUPANT, SPRINKLERED (IBC NJ 2021 SECTION 1005.3.1 AND NFPA 101 2021 – 7.3.3.1)
B. OCCUPANTS PER UNIT (WIDTH/PERSON)	1 (IBC NJ 2021 1005.3.1 AND (NFPA 101 2021 - 7.3.3.1)
C. MINIMUM EXIT WIDTH	44 INCHES (IBC NJ 2021 SECTION 1011.2)
D. MINIMUM LANDING WIDTH	NOT LESS THAN THE STAIRS THEY SERVE (IBC NJ 2021 SECTION 1011.6 AND NFPA 101 2021 SECTION 7.2.2.3.2.2)
E. MAXIMUM LANDING REDUCTION BY DOOR	DOORS IN THE FULLY OPEN POSITION SHALL NOT REDUCE A REQUIRED DIMENSION BY MORE THAN 7 INCHES; DOORS IN ANY POSITION SHALL NOT REDUCE THE LANDING TO LESS THAN 50 PERCENT OF ITS REQUIRED WIDTH (IBC NJ 2021 SECTION 1005.7.1 AND NFPA 101 2021 SECTION 7.2.1.4.3.1)
F. MAXIMUM VERTICAL DISTANCE BETWEEN LANDINGS	12 FEET BETWEEN FLOOR LEVELS OR LANDINGS (IBC NJ 2021 SECTION 1011.8 AND NFPA 101 2021 TABLE 7.2.2.2.1.1(B))
G. MINIMUM HEADROOM	MINIMUM 80 INCHES FROM LINE OF STAIR NOSINGS (IBC NJ 2021 SECTION 1011.3 AND NFPA 101 2021 TABLE 7.2.2.2.1.1(B))
H. STAIR FORMULA	
I. TREAD AND RISER DIMENSIONS	RISER: 7 INCH MAX, 4 INCH MIN TREAD: 11 INCH MIN (IBC NJ 2021 SECTION 1011.5.2 AND NFPA 101 2021 TABLE 7.2.2.2.1.1(B))
J. MAXIMUM HANDRAIL PROJECTION	4-1/2 INCHES (IBC NJ 2021 1014.8)
K. HANDRAIL HEIGHT	34-38 INCHES (IBC NJ 2021 SECTION 1014.2 AND NFPA 101 2021 SECTION 7.2.2.4.5.2)
L. HANDRAIL LENGTH AT LANDING	12 INCHES BEYOND TOP RISER; SLOPING FOR ONE TREAD DEPTH BEYOND BOTTOM RISER (IBC NJ 2021 SECTION 1014.6 AND NFPA 101 2021 SECTION 7.2.2.4.5.10) HANDRAILS ARE EXISTING. LENGTH AT LANDING MIGHT BE DIFFERENT THAN CURRENT CODE REQUIREMENT
M. SMOKE-PROOF TOWER	N/A. EXISTING STAIR. SMOKE EXHAUST IS PROVIDED.
N. EXIT LEVEL BARRIER	N/A
O. OSHA REQUIREMENTS	
P. OTHER REQUIREMENTS	
5. RAMPS	NONE PLANNED

APPLICABLE CODES:

IBC 2021 NJ EDITION
NJAC TITLE 8 CHAPTER 43G
NFPA 99 2021 EDITION
NFPA 101 2021 EDITION
FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS 2022
ASHRAE 90.1-2019
ADA STANDARDS 2010
ANSI A117.1- 2017
INTERNATIONAL MECHANICAL CODE OF THE ICC - 2021
INTERNATIONAL FUEL GAS CODE OF THE ICC- 2021
NATIONAL ELECTRICAL CODE - 2020 NFPA 70
NATIONAL STANDARD PLUMBING CODE - 2021 - NATIONAL ASSOCIATION OF PHCC FIRE PROTECTION SUBCODE
REHABILITATION SUBCODE (NJAC 5:23-6) SUBCHAPTER 6 (ALTERATION)

A. OCCUPANCY REQUIREMENTS

1. BUILDING USE	HOSPITAL/EMERGENCY DEPARTMENT (IBC NJ 2021, SECTION 308.3) (NFPA 101, CHAPTER 19 - EXISTING HEALTHCARE OCCUPANCIES)
2. BUILDING CLASSIFICATION	INSTITUTIONAL GROUP I-2 (IBC NJ 2021 SECTION 308.3) (NFPA 101, CHAPTER 19 – EXISTING HEALTH CARE OCCUPANCIES) & BUSINESS GROUP B (IBC NJ 2021...
3. OCCUPANCY SEPARATION	INSTALL FIRE PARTITION IN ACCORDANCE TO SECTION 708 (IBC 2021 NJ SECTION 407) 2 HR BETWEEN HEALTH CARE AND BUSINESS (NFPA 101, TABLE 6.1.14.4.1) COMMUNICATING OPENINGS IN DIVIDING FIRE BARRIERS SHALL BE PERMITTED ONLY IN CORRIDORS AND SHALL BE PROTECTED BY APPROVED SELF-CLOSING FIRE DOOR ASSEMBLIES. (NFPA 101, 19.1.1.4.1.1) A MAJOR REHABILITATION SHALL INVOLVE THE MODIFICATION OF MORE THAN 50 PERCENT, OR MORE THAN 4,500 SF GROSS, OF THE AREA OF THE SMOKE COMPARTMENT. (NFPA, 101, 19.1.1.4.3.1) BUILDING IS SPRINKLERED (NFPA, 101, 19.1.1.4.3.3) AMBULATORY HEALTH CARE..... SHALL BE PERMITTED TO BE CLASSIFIED AS BUSINESS OCCUPANCIES OR AMBULATORY HEALTH CARE FACILITIES, PROVIDED THAT THE FACILITIES ARE SEPARATED FROM THE HEALTH CARE OCCUPANCY BY NOT LESS THAN 2-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION...(NFPA, 101, 19.1.3.5.1) ALL MEANS OF EGRESS FROM HEALTH CARE OCCUPANCIES THAT TRAVERSE NON-HEALTH CARE SPACES SHALL CONFORM TO THE REQUIREMENTS OF THIS CODE FOR HEALTH CARE OCCUPANCIES, UNLESS OTHERWISE PERMITTED BY 19.1.3.8. EXIT THROUGH A HORIZONTAL EXIT INTO OTHER CONTIGUOUS OCCUPANCIES THAT DO NOT CONFORM TO HEALTH CARE EGRESS PROVISIONS, BUT THAT DO COMPLY WITH REQUIREMENTS SET FORTH IN THE APPROPRIATE OCCUPANCY CHAPTER OF THIS CODE, SHALL BE PERMITTED, PROVIDED THAT BOTH OF THE FOLLOWING CRITERIA APPLY: 1)THE OCCUPANCY DOES NO CONTAIN HIGH-HAZARD CONTENTS. 2)THE HORIZONTAL EXIT COMPLIES WITH THE REQUIREMENTS OF 19.2.2.5. NON-HEALTH-CARE-RELATED OCCUPANCIES CLASSIFIED AS CONTAINING HIGH-HAZARD CONTENTS SHALL NOT BE PERMITTED IN BUILDINGS HOUSING...
4. HAZARDOUS AREAS REQUIREMENTS	NONE KNOWN
5. OCCUPANCY CALCULATIONS (S.F. PER OCCUPANT)	240 GROSS (IBC NJ 2021 TABLE 1004.5) 240 GROSS (NFPA 101 2021 TABLE 7.3.1.2) 100 GROSS (NFPA 101 2021 TABLE 7.3.1.2) 150 GROSS (IBC NJ 2021 TABLE 1004.5)
6. MAXIMUM COMPARTMENT SIZE	10,000 SF (IBC NJ 2021 SECTION 407.4.4.5.1 – AUTOMATIC SMOKE DETECTION SYSTEM IS PROVIDED) 10,000 SF (NFPA 101 2021 - 19.2.5.7.2.3 (C)) THE EMERGENCY DEPARTMENT EXPANSION IS 12,410 SF WITH A WAITING AREA OF 803 SF. THE EXPANSION WILL BE DIVIDED IN TWO SMOKE COMPARTMENTS.

B. CONSTRUCTION REQUIREMENTS

1. CONSTRUCTION TYPE	TYPE I-A (IBC NJ 2021 TABLE 504.3 & 504.4)
2. CONSTRUCTION NAME	FIRE RESISTIVE
3. MAXIMUM ALLOWED STORIES (HEIGHT)	ALLOWED: UNLIMITED HEIGHT, SPRINKLERED (IBC NJ 2021 TABLE 504.3) – ACTUAL: 121'-8" (150'-0" WITH MECHANICAL PENTHOUSE). ALLOWED: UNLIMITED, SPRINKLERED (IBC NJ 2021 TABLE 504.4) ACTUAL: 8 STORIES + 2 FLOORS OF MECHANICAL PENTHOUSE.
4. MAXIMUM ALLOWED AREA	ALLOWED: UNLIMITED SF (IBC NJ 2021 TABLE 506.2) THE EMERGENCY DEPARTMENT EXPANSION IS ON LEVEL C. LEVEL C HAS A TOTAL GROSS AREA OF 110,708 SF.
5. ZONING	
A. ADDRESS	150 BERGEN STREET, NEWARK, NJ 07103
B. BLOCK/LOT	BLOCK: 211 LOT: 1, 60 & 61
C. ZONING	INSTITUTIONAL
D. FIRE DISTRICT	N/A
6. STRUCTURAL (LIVE) LOAD REQUIREMENTS	
A. ROOF	42 PSF (LIVE LOAD)
B. FLOOR	100 PSF (LIVE LOAD)
C. SPECIAL LIVE LOAD REQUIREMENTS	NONE
7. EARTHQUAKE	SIESMIC DESIGN CATEGORY B
8. FIRE RESISTIVE RATINGS	
A. EXTERIOR BEARING WALLS	3 HR (IBC NJ 2021 TABLE 601)
B. EXTERIOR NON-BEARING WALLS	0 HR WITHIN 30 FEET (IBC NJ 2021 TABLE 602)
C. EXTERIOR DOORS AND WINDOWS	NOT APPLICABLE (IBC NJ 2021 SECTION 705.8)
D. INTERIOR BEARING WALLS	3 HR (IBC NJ 2021 TABLE 601)
E. INTERIOR NON-BEARING WALLS	0 HR (IBC NJ 2021 TABLE 601)
F. PERMANENT PARTITIONS	0 HR (IBC NJ 2021 TABLE 601)
G. SHAFT ENCLOSURES	2 HR (IBC NJ 2021 SECTION 713.4 AND NFPA 101 2021 TABLE 8.3.3.2.2)
H. FLOOR CONSTRUCTION	2 HR (IBC NJ 2021 TABLE 601)
I. ROOF CONSTRUCTION ASSEMBLY	1 1/2 HR (IBC NJ 2021 TABLE 601)
J. STRUCTURAL FRAME	1 1/2 HR (IBC NJ 2021 TABLE 601)
K. EXTERIOR COLUMNS	3 HR (IBC NJ 2021 TABLE 601)
L. INTERIOR COLUMNS SUPPORTING ROOF OTHER FLOORS	3 HR (IBC NJ 2021 SECTION 704.1)
M. OCCUPANCY SEPARATION WALLS	HEALTH CARE TO BUSINESS IS 2 HR
	(NFPA 101 2021 TABLE 6.1.14.1(A))
N. SMOKE BAFFLES	NOT APPLICABLE
O. INTERIOR COURT	NOT APPLICABLE
P. PARAPETS	NOT APPLICABLE
Q. STAIR ENCLOSURES	2 HR (NFPA 2021 TABLE 8.3.3.2.2)
R. WIND LOAD	115 MPH
S. OTHER REQUIREMENTS	NOT APPLICABLE

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Tel 212.354.5656

KNL
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247 W 37th ST
Suite 1502
New York, NT 10018
United States
Tel 212.382.2100

Date	Description
07.14.2023	DOH FUNCTIONAL PLAN REVIEW
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
CODE ANALYSIS

Scale
NOT TO SCALE

G-010

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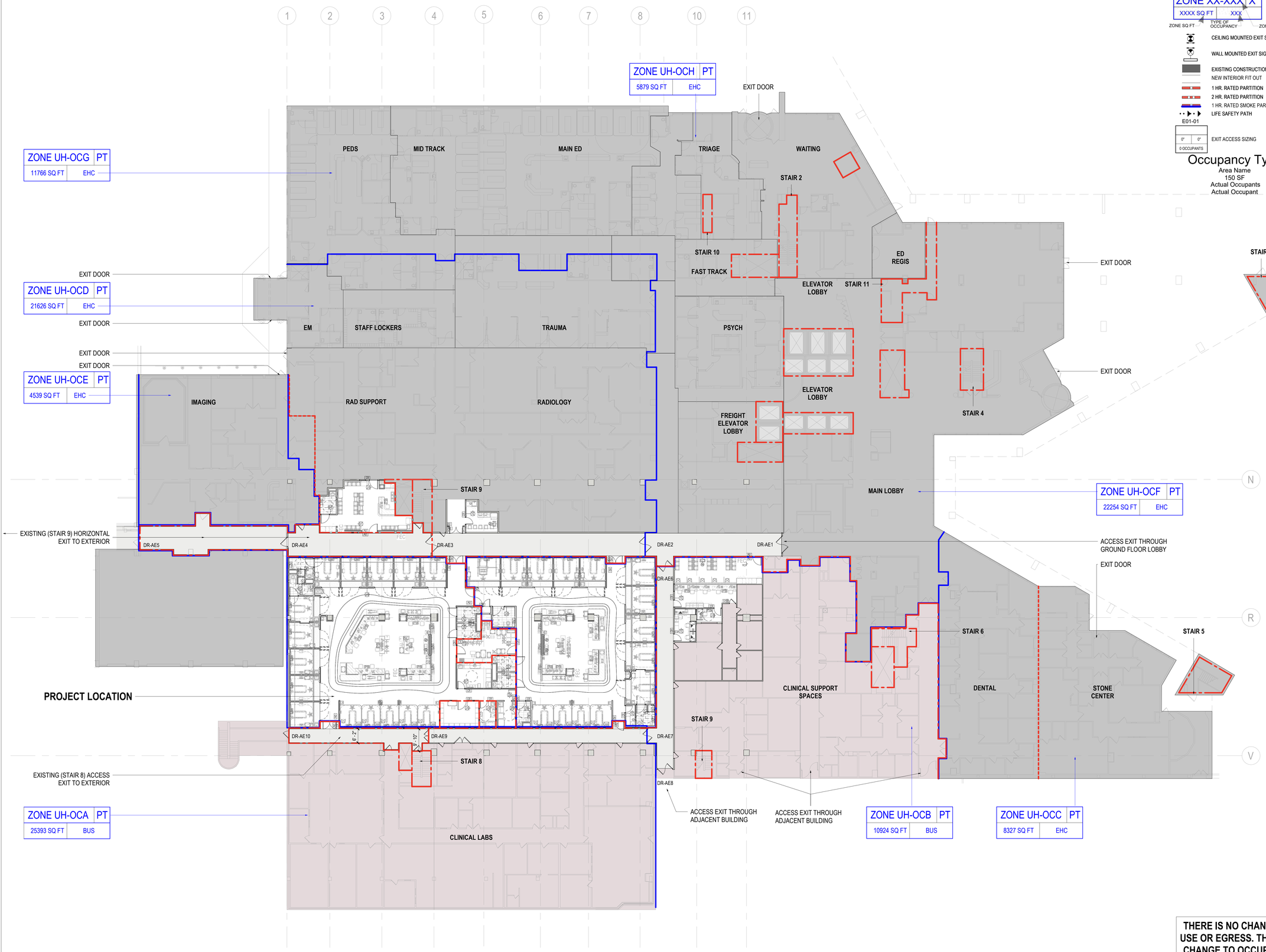

LEGEND:

ZONE ID

FACILITY ABBREVIATION — FLOOR — ZONE SPRINKLERED

ZONE XX-XXX X

XXXX SQ FT | XXX

ZONE SQ FT — TYPE OF OCCUPANCY — ZONE LETTER

CEILING MOUNTED EXIT SIGN

WALL MOUNTED EXIT SIGN

EXISTING CONSTRUCTION TO REMAIN

NEW INTERIOR FIT OUT

1 HR. RATED PARTITION

2 HR. RATED PARTITION

1 HR. RATED SMOKE PARTITION

LIFE SAFETY PATH

E01-01

0" | 0" | 0 OCCUPANTS — EXIT ACCESS SIZING

Occupancy Type

Area Name
150 SF
Actual Occupants
Actual Occupant

1 LIFE SAFETY PLAN - LEVEL C - PHASE COMPLETE

SCALE: 1/16" = 1'-0"

THERE IS NO CHANGE TO USE OR EGRESS. THERE IS CHANGE TO OCCUPANCY AS PART OF THIS APPLICATION.

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Suite 1502
New York, NT 10018
United States
Tel 212.382.2100

Date	Description
07.14.2023	DOH FUNCTIONAL PLAN REVIEW
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
LIFE SAFETY LVL C

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

G-100

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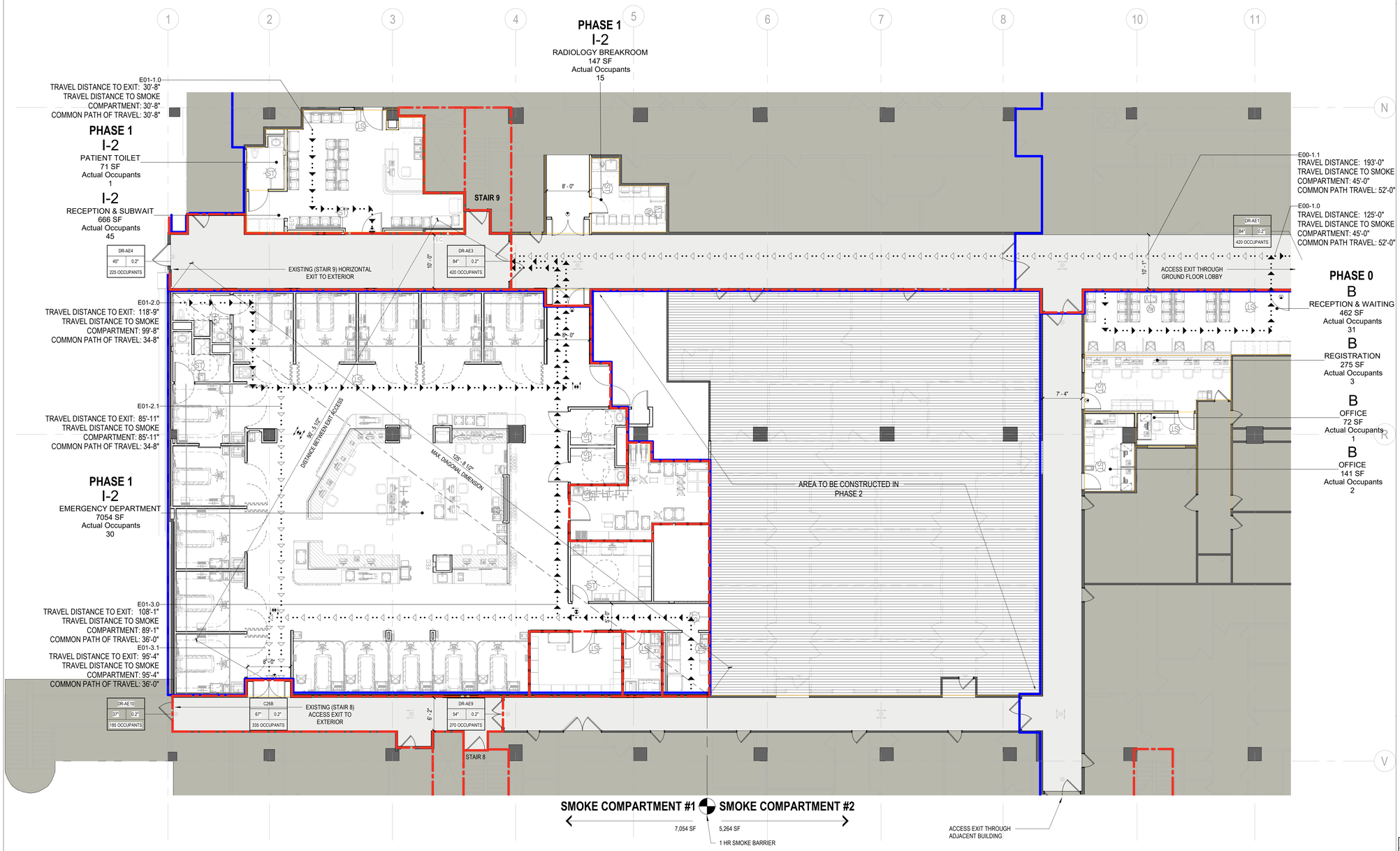

2 LIFE SAFETY PLAN - PHASE 0 & 1 - RADIOLOGY & ED

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

SMOKE COMPARTMENTS

(NJ BC 2021/NFPA 101 2021)

SMOKE COMPARTMENT TRAVEL DISTANCE - LEVEL C

PATH	TRAVEL DISTANCE
E00-1.0	45'-0"
E00-1.1	45'-0"
E01-1.0	30'-8"
E01-2.0	99'-8"
E01-2.1	85'-11"
E01-3.0	89'-1"
E01-3.1	95'-4"

[IBC NJ-2021, 407.4.4.5.1: AREA<10,000SF]
[NFPA101-2021, 19.2.5.7.2.3 (C): AREA<10,000SF]
[IBC NJ-2021, TABLE 1017.2: MAX. TRAVEL DISTANCE 200']
[NFPA101-2021, 19.2.6.2.2: MAX. TRAVEL DISTANCE 200']

SMOKE COMPARTMENT #1 = 6,919 SF
SMOKE COMPARTMENT #2 = 5,378 SF

PLUMBING FIXTURE CALCULATIONS (NJ 2021 PC TABLE 7.21.1)

(NJ BC 2021)

OCCUPANCY GROUP	OCCUPANT LOAD	50/50 SPLIT		CODE REQUIRED FIXTURE COUNTS							FIXTURES PROVIDED							
				MALE		FEMALE		SHOWERS	DRINKING FOUNTAINS REQUIRED	SERV. SINKS REQUIRED	MALE			FEMALE		SHOWERS	DRINKING FOUNTAINS	SERV. SINKS PROVIDED
		MALE	FEMALE	WC	LAV	WC	LAV				WC	UR	LAV	WC	LAV			
B (BUSINESS)	37	19	19	2	1	2	1	-	1	1	2	0	2	2	2	0	1	1
I-2 (INSTITUTIONAL) RECEPTION	46	23	23	1	1	1	1	-	1	0	1	0	1	1	1	0	1	-
I-2 (INSTITUTIONAL) ED	30	15	15	1	1	1	1	-	1	1	2	0	9	2	9	2	1	-
TOTAL:				4	3	4	3	-	3	2	**5**	**0**	**12**	**5**	**12**	**2**	**3**	**1**

[IPC NJ-2021, 7.21: BUSINESS & INPATIENT TREATMENT AREAS] - COMPLIES

FIXTURES PROVIDED IS GREATER THAN OR EQUAL TO FIXTURES REQUIRED. FIXTURES FOR BUSINESS AREA ARE SHARED WITH MAIN LOBBY. FIXTURES FOR RADIOLOGY BREAKROOM ARE SHARED WITH RADIOLOGY.

OCCUPANT LOAD CALCULATIONS (NJ 2021 BC TABLE 1004.5)

(NJ BC 2021/NFPA 101 2021)

OCCUPANCY SCHEDULE - LEVEL C (IBC)

FLOOR	OCCUPANCY GROUP	FUNCTION	AREA	SF PER OCCUPANT	CALCULATED OCCUPANT LOAD	DESIGNED OCCUPANT LOAD	PROPOSED OCCUPANT LOAD (MOST STRINGENT)
LEVEL C	B (BUSINESS)	RECEPTION & WAITING	462	15	31	31	31
LEVEL C	B (BUSINESS)	REGISTRATION	251	150	2	2	2
LEVEL C	B (BUSINESS)	OFFICE	72	150	1	1	1
LEVEL C	B (BUSINESS)	OFFICE	142	150	1	1	1
LEVEL C	I-2 (INSTITUTIONAL)	RADIOLOGY BREAKROOM	147	15	10	10	10
LEVEL C	I-2 (INSTITUTIONAL)	RECEPTION & WAITING	666	15	45	45	45
LEVEL C	I-2 (INSTITUTIONAL)	PATIENT TOILET	71	240	1	1	1
LEVEL C	I-2 (INSTITUTIONAL)	EMERGENCY DEPARTMENT	7,054	240	30	30	30

[IBC NJ-2021, 1004.5: BUSINESS - 150 GROSS; INPATIENT TREATMENT AREAS 240 GROSS] - COMPLIES

THE ACTUAL OCCUPANT LOAD SHALL BE THE MOST STRINGENT OF EITHER THE DESIGNED OR CALCULATED OCCUPANCIES LISTED IN THE COLUMNS ABOVE.

EGRESS CAPACITY CALCULATIONS

(NJ BC 2021/NFPA 101 2021)

EXIT	DOORS AND STAIRS		
	EXIT WIDTH	EXIT WIDTH (IN./OCCUPANT)	CAPACITY OF EXIT
DR-AE1	84"	0.2"	420
DR-AE3	84"	0.2"	420
DR-AE4	45"	0.2"	225
DR-AE9	54"	0.2"	270
DR-AE10	37"	0.2"	185
C26B	67"	0.2"	335
		TOTAL CAPACITY OF EXITS	1855

TOTAL EGRESS CAPACITY IS 1855 PERSONS - COMPLIES

TRAVEL DISTANCES TO EXIT

(NJ BC 2021/NFPA 101 2021)

TRAVEL DISTANCE - LEVEL C

PATH	TRAVEL DISTANCE
E00-1.0	125'-0"
E00-1.1	176'-6"
E01-1.0	30'-8"
E01-2.0	118'-9"
E01-2.1	85'-11"
E01-3.0	108'-1"
E01-3.1	95'-4"

[IBC NJ-2021, TABLE 1017.2: MAX. TRAVEL DISTANCE 200'] - COMPLIES
[NFPA101-2021, 19.2.6.2.2: MAX. TRAVEL DISTANCE 200'] - COMPLIES

COMMON PATH OF TRAVEL DISTANCE

(NJ BC 2021/NFPA 101 2021)

COMMON PATH OF TRAVEL - LEVEL C

PATH	TRAVEL DISTANCE
E00-1.0	52'-0"
E00-1.1	52'-0"
E01-1.0	30'-8"
E01-2.0	34'-8"
E01-2.1	34'-8"
E01-3.0	36'-0"
E01-3.1	36'-0"

[IBC NJ-2021, TABLE 1006.2.1: MAX. COMMON PATH OF TRAVEL 75'] - COMPLIES

OCCUPANT LOAD CALCULATIONS (NFPA 101 2021 TABLE 7.3.1.2)

(NFPA 101 2021)

OCCUPANCY SCHEDULE - LEVEL C (NFPA)

FLOOR	OCCUPANCY GROUP	FUNCTION	AREA	SF PER OCCUPANT	CALCULATED OCCUPANT LOAD	DESIGNED OCCUPANT LOAD	PROPOSED OCCUPANT LOAD (MOST STRINGENT)
LEVEL C	B (BUSINESS)	RECEPTION & WAITING	462	15	31	31	31
LEVEL C	B (BUSINESS)	REGISTRATION	251	100	3	3	3
LEVEL C	B (BUSINESS)	OFFICE	72	100	1	1	1
LEVEL C	B (BUSINESS)	OFFICE	142	100	2	2	2
LEVEL C	I-2 (INSTITUTIONAL)	RADIOLOGY BREAKROOM	147	15	10	10	10
LEVEL C	I-2 (INSTITUTIONAL)	RECEPTION & WAITING	666	15	45	45	45
LEVEL C	I-2 (INSTITUTIONAL)	PATIENT TOILET	71	240	1	1	1
LEVEL C	I-2 (INSTITUTIONAL)	EMERGENCY DEPARTMENT	7,054	240	30	30	30

[NFPA101-2021, 7.3.1.2: BUSINESS - 100 SF/PERSON; INPATIENT TREATMENT AREAS 240 SF/PERSON] - COMPLIES

THE ACTUAL OCCUPANT LOAD SHALL BE THE MOST STRINGENT OF EITHER THE DESIGNED OR CALCULATED OCCUPANCIES LISTED IN THE COLUMNS ABOVE.

LIFE SAFETY PLAN NOTES

SUMMARY OF CODE DATA:

CONSTRUCTION CODE REGULATIONS: NEW JERSEY UNIFORM CONSTRUCTION CODE (N.J.A.C. 5:23) SECTION 5:23-6 REHABILITATION SUBCODE, INCORPORATING WITH AMENDMENTS THE FOLLOWING SUBCODES:

1. INTERNATIONAL BUILDING CODE 2021/NJ ED.
2. NJ CODE TITLE 8, CHAPTER 43G - HOSPITAL LICENSING STANDARDS - SUBCHAPTER 12 - EMERGENCY DEPARTMENT
3. BARRIER-FREE SUBCODE: CHAPTER 11 OF IBC 2021; ICC/ANSI A117.1/2017; ADA 2010
4. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 99/2021 HEALTH CARE FACILITIES CODE
5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101/2021 LIFE SAFETY CODE
6. FACILITIES GUIDELINES INSTITUTE (FGI) 2022 - HOSPITAL FACILITIES DESIGN CODE
7. PLUMBING SUBCODE: NATIONAL STANDARD PLUMBING CODE/2021 OF THE NATIONAL ASSOCIATION OF PLUMBING-HEATING-COOLING CONTRACTORS
8. ELECTRICAL SUBCODE: NATIONAL ELECTRICAL CODE/2020 OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 70)
9. ENERGY SUBCODE: ASHRAE 90.1/2019 & NEW JERSEY ENERGY CODE 2021
10. FIRE PROTECTION SUBCODE: PORTIONS OF INTERNATIONAL BUILDING CODE/2021 & PORTIONS OF NATIONAL ELECTRIC CODE/2020 & PORTIONS OF INTERNATIONAL MECHANICAL CODE/2021 & NEW JERSEY FIRE CODE/2015
11. MECHANICAL SUBCODE: INTERNATIONAL MECHANICAL CODE/2021 OF THE INTERNATIONAL CODE COUNCIL, INC.
12. FUEL GAS SUBCODE: INTERNATIONAL FUEL GAS CODE/2021 OF THE INTERNATIONAL CODE COUNCIL, INC.

ALL WORKING SURFACE COUNTER HEIGHTS TO BE AT 30" AFF, PER ADA 2010 & ANSI A117.1/2017.

ALL CASEWORK/MILLWORK COUNTER HEIGHTS TO BE AT 34" AFF, PER ADA 2010 & ANSI A117.1/2017.

ALL ADA TRANSACTION COUNTER HEIGHTS TO BE AT 36" AFF, PER ADA 2010 & ANSI A117.1/2017. ALL OTHERS TO BE AT STANDARD HEIGHT AT 42" AFF.

THE SEPARATION DISTANCE BETWEEN EXITS OR EXIT ACCESS DOORWAYS, IN A SPRINKLERED BUILDING, SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED (IBC NJ 2021, SECTION 1007.1.1 (2) AND NFPA 101 2021, SECTION 7.5.1.3.3)

MAXIMUM OVERALL DIAGONAL DIMENSION = 125'-8"
MINIMUM DISTANCE BETWEEN EXITS ALLOWED = ONE-THIRD OF 125'=8" = 41'-10.6"
DISTANCE BETWEEN EXITS PROVIDED = 90'-7"

IN GROUP I-2, CONDITION 2 OCCUPANCIES, THE LENGTH OF SPRINKERLERED DEAD-END CORRIDORS THAT DO NOT SERVE PATIENT ROOMS OR PATIENT TREATMENT SPACES SHALL NOT EXCEED 30' (IBC NJ 2021, SECTION 1020.5 (4) AND NFPA 101 2021, SECTION 19.2.5.3)

MAXIMUM DEAD-END CORRIDOR = 25'-9"

LEGEND

- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- EXISTING CONSTRUCTION TO REMAIN
- NEW INTERIOR FIT OUT
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 1 HR. RATED SMOKE PARTITION
- LIFE SAFETY PATH
- E01-01
- 0" 0" 0 OCCUPANTS — EXIT ACCESS SIZING

Occupancy Type
Area Name
150 SF
Actual Occupants
Actual Occupant

THERE IS NO CHANGE TO USE OR EGRESS. THERE IS CHANGE TO OCCUPANCY AS PART OF THIS APPLICATION.

KEY PLAN

UNIVERSITY HOSPITAL
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GMS
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New York,NY 10001
United States
Tel 212.254.0030

AKF
200 Liberty Street
Suite 302
New York,NY 10281
United States
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KNL
Kugler Ning Lighting
247 W 37th ST
Suite 1502
New York, NT 10018
United States
Tel 212.382.2100

Date	Description
07.14.2023	DOH FUNCTIONAL PLAN REVIEW
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
LIFE SAFETY 0 & 1

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

G-101.1

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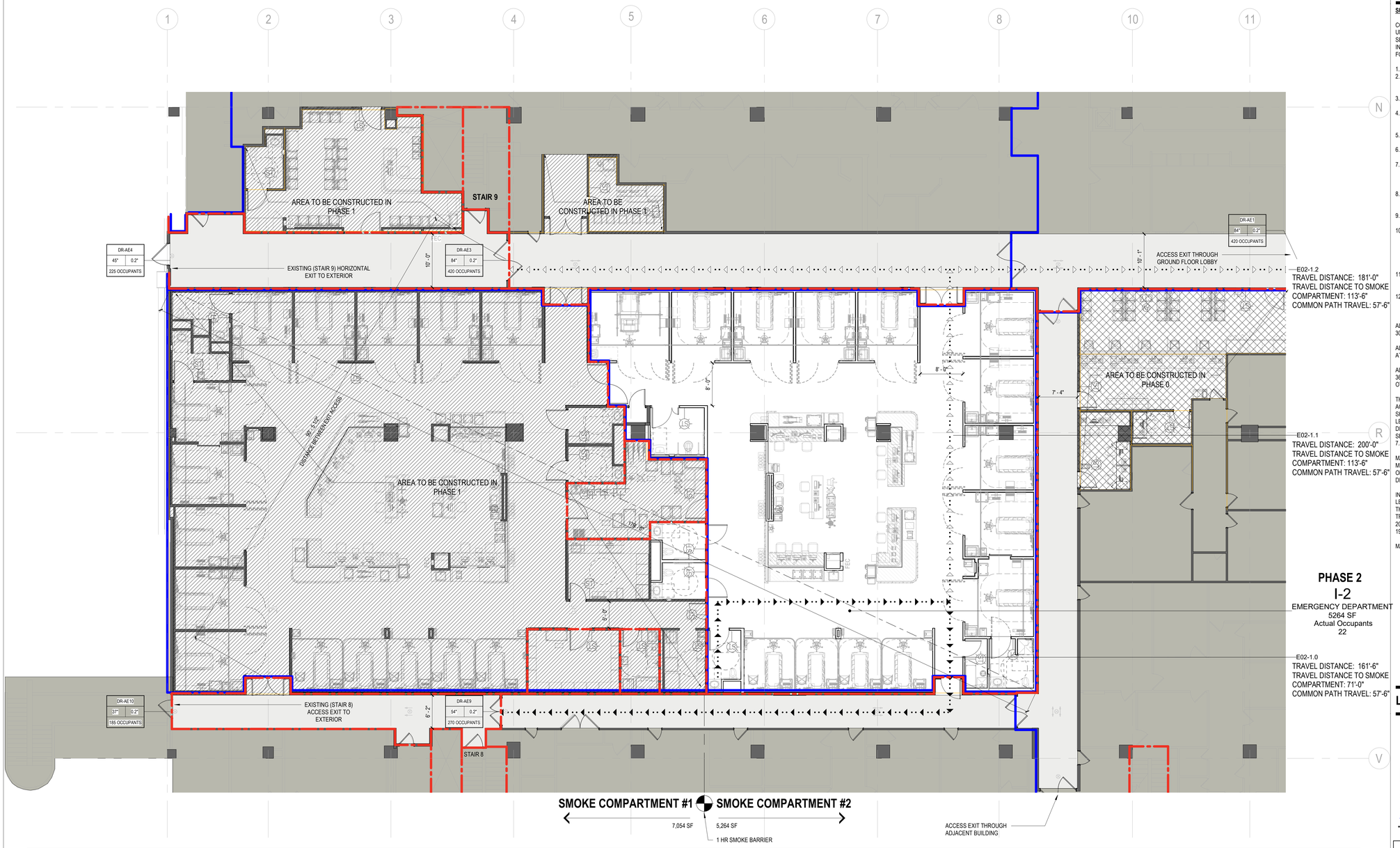

3 LIFE SAFETY PLAN - PHASE 2 - ED

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

SMOKE COMPARTMENTS

(NJ BC 2021/NFPA 101 2021)

SMOKE COMPARTMENT TRAVEL DISTANCE - LEVEL C

PATH	TRAVEL DISTANCE
E02-1.0	71'-0"
E02-1.1	113'-6"
E02-1.2	113'-6"

[IBC NJ-2021, 407.4.4.5.1: AREA<10,000SF] SMOKE COMPARTMENT #1 = 6,919 SF
[NFPA101-2021, 19.2.5.7.2.3 (C): AREA<10,000SF] SMOKE COMPARTMENT #2 = 5,378 SF
[IBC NJ-2021, TABLE 1017.2: MAX. TRAVEL DISTANCE 200']
[NFPA101-2021, 19.2.6.2.2: MAX. TRAVEL DISTANCE 200']

PLUMBING FIXTURE CALCULATIONS (NJ 2021 PC TABLE 7.21.1)

(NJ BC 2021)

OCCUPANCY GROUP	OCCUPANT LOAD	50/50 SPLIT		CODE REQUIRED FIXTURE COUNTS							FIXTURES PROVIDED							
				MALE		FEMALE		SHOWERS	DRINKING FOUNTAINS REQUIRED	SERV. SINKS REQUIRED	MALE			FEMALE		SHOWERS	DRINKING FOUNTAINS	SERV. SINKS PROVIDED
		MALE	FEMALE	WC	LAV	WC	LAV				WC	UR	LAV	WC	LAV			
I-2 (INSTITUTIONAL) ED	25	13	13	1	1	1	1	-	1	1	2	0	8	2	8	1	1	1
TOTAL:				1	1	1	1	-	1	1	**2**	**0**	**8**	**2**	**8**	**1**	**1**	**1**

[IPC NJ-2021, 7.21: BUSINESS & INPATIENT TREATMENT AREAS] - COMPLIES

FIXTURES PROVIDED IS GREATER THAN OR EQUAL TO FIXTURES REQUIRED. FIXTURES FOR BUSINESS AREA ARE SHARED WITH MAIN LOBBY.

OCCUPANT LOAD CALCULATIONS (NJ 2021 BC TABLE 1004.5)

(NJ BC 2021/NFPA 101 2021)

OCCUPANCY SCHEDULE - LEVEL C (IBC)

FLOOR	OCCUPANCY GROUP	FUNCTION	AREA	SF PER OCCUPANT	CALCULATED OCCUPANT LOAD	DESIGNED OCCUPANT LOAD	PROPOSED OCCUPANT LOAD (MOST STRINGENT)
LEVEL C	I-2 (INSTITUTIONAL)	EMERGENCY DEPARTMENT	5,264	240	22	25	25

[IBC NJ-2021, 1004.5: INPATIENT TREATMENT AREAS 240 GROSS] - COMPLIES

THE ACTUAL OCCUPANT LOAD SHALL BE THE MOST STRINGENT OF EITHER THE DESIGNED OR CALCULATED OCCUPANCIES LISTED IN THE COLUMNS ABOVE.

EGRESS CAPACITY CALCULATIONS

(NJ BC 2021/NFPA 101 2021)

EXIT	DOORS AND STAIRS		
	EXIT WIDTH	EXIT WIDTH (IN./OCCUPANT)	CAPACITY OF EXIT
DR-AE1	84"	0.2"	420
DR-AE3	84"	0.2"	420
DR-AE4	45"	0.2"	225
DR-AE9	54"	0.2"	270
DR-AE10	37"	0.2"	185
C26B	67"	0.2"	335
		TOTAL CAPACITY OF EXITS	1855

TOTAL EGRESS CAPACITY IS 1855 PERSONS - COMPLIES

TRAVEL DISTANCES TO EXIT

(NJ BC 2021/NFPA 101 2021)

TRAVEL DISTANCE - LEVEL C

PATH	TRAVEL DISTANCE
E02-1.0	161'-6"
E02-1.1	200'-0"
E02-1.2	181'-0"

[IBC NJ-2021, TABLE 1017.2: MAX. TRAVEL DISTANCE 200'] - COMPLIES
[NFPA101-2021, 19.2.6.2.2: MAX. TRAVEL DISTANCE 200'] - COMPLIES

COMMON PATH OF TRAVEL DISTANCE

(NJ BC 2021/NFPA 101 2021)

COMMON PATH OF TRAVEL - LEVEL C

PATH	TRAVEL DISTANCE
E02-1.0	57'-6"
E02-1.1	57'-6"
E02-1.2	57'-6"

[IBC NJ-2021, TABLE 1006.2.1: MAX. COMMON PATH OF TRAVEL 75'] - COMPLIES

OCCUPANT LOAD CALCULATIONS (NFPA 101 2021 TABLE 7.3.1.2)

(NFPA 101 2021)

OCCUPANCY SCHEDULE - LEVEL C (NFPA)

FLOOR	OCCUPANCY GROUP	FUNCTION	AREA	SF PER OCCUPANT	CALCULATED OCCUPANT LOAD	DESIGNED OCCUPANT LOAD	PROPOSED OCCUPANT LOAD (MOST STRINGENT)
LEVEL C	I-2 (INSTITUTIONAL)	EMERGENCY DEPARTMENT	5,264	240	22	25	25

[NFPA101-2021, 7.3.1.2: INPATIENT TREATMENT AREAS 240 SF/PERSON] - COMPLIES

THE ACTUAL OCCUPANT LOAD SHALL BE THE MOST STRINGENT OF EITHER THE DESIGNED OR CALCULATED OCCUPANCIES LISTED IN THE COLUMNS ABOVE.

LIFE SAFETY PLAN NOTES

SUMMARY OF CODE DATA:

CONSTRUCTION CODE REGULATIONS: NEW JERSEY UNIFORM CONSTRUCTION CODE (N.J.A.C. 5:23) SECTION 5:23-6 REHABILITATION SUBCODE, INCORPORATING WITH AMENDMENTS THE FOLLOWING SUBCODES:

1. INTERNATIONAL BUILDING CODE 2021/NJ ED.
2. NJ CODE TITLE 8, CHAPTER 43G - HOSPITAL LICENSING STANDARDS - SUBCHAPTER 12 - EMERGENCY DEPARTMENT
3. BARRIER-FREE SUBCODE: CHAPTER 11 OF IBC 2021; ICC/ANSI A117.1/2017; ADA 2010
4. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 99/2021 HEALTH CARE FACILITIES CODE
5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101/2021 LIFE SAFETY CODE
6. FACILITIES GUIDELINES INSTITUTE (FGI) 2022 - HOSPITAL FACILITIES DESIGN CODE
7. PLUMBING SUBCODE: NATIONAL STANDARD PLUMBING CODE/2021 OF THE NATIONAL ASSOCIATION OF PLUMBING-HEATING-COOLING CONTRACTORS
8. ELECTRICAL SUBCODE: NATIONAL ELECTRICAL CODE/2020 OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 70)
9. ENERGY SUBCODE: ASHRAE 90.1/2021 & NEW JERSEY ENERGY CODE 2021
10. FIRE PROTECTION SUBCODE: PORTIONS OF INTERNATIONAL BUILDING CODE/2021 & PORTIONS OF NATIONAL ELECTRIC CODE/2020 & PORTIONS OF INTERNATIONAL MECHANICAL CODE/2021 & NEW JERSEY FIRE CODE/2015
11. MECHANICAL SUBCODE: INTERNATIONAL MECHANICAL CODE/2021 OF THE INTERNATIONAL CODE COUNCIL, INC.
12. FUEL GAS SUBCODE: INTERNATIONAL FUEL GAS CODE/2021 OF THE INTERNATIONAL CODE COUNCIL, INC.

ALL WORKING SURFACE COUNTER HEIGHTS TO BE AT 30" AFF, PER ADA 2010 & ANSI A117.1/2017.

ALL CASEWORK/MILLWORK COUNTER HEIGHTS TO BE AT 34" AFF, PER ADA 2010 & ANSI A117.1/2017.

ALL ADA TRANSACTION COUNTER HEIGHTS TO BE AT 36" AFF, PER ADA 2010 & ANSI A117.1/2017. ALL OTHERS TO BE AT STANDARD HEIGHT AT 42" AFF.

THE SEPARATION DISTANCE BETWEEN EXITS OR EXIT ACCESS DOORWAYS, IN A SPRINKLERED BUILDING, SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED (IBC NJ 2021, SECTION 1007.1.1 (2) AND NFPA 101 2021, SECTION 7.5.1.3.3)

MAXIMUM OVERALL DIAGONAL DIMENSION = 179'-0"
MINIMUM DISTANCE BETWEEN EXITS ALLOWED = ONE-THIRD OF 179'-0" = 59'-9"
DISTANCE BETWEEN EXITS PROVIDED = 90'-7"

IN GROUP I-2, CONDITION 2 OCCUPANCIES, THE LENGTH OF SPRINKERLERED DEAD-END CORRIDORS THAT DO NOT SERVE PATIENT ROOMS OR PATIENT TREATMENT SPACES SHALL NOT EXCEED 30' (IBC NJ 2021, SECTION 1020.5 (4) AND NFPA 101 2021, SECTION 19.2.5.3)

MAXIMUM DEAD-END CORRIDOR = 25'-9"

LEGEND

- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- EXISTING CONSTRUCTION TO REMAIN
- NEW INTERIOR FIT OUT
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 1 HR. RATED SMOKE PARTITION
- LIFE SAFETY PATH
- E01-01
- 0" 0" — 0 OCCUPANTS — EXIT ACCESS SIZING

Occupancy Type
Area Name
150 SF
Actual Occupants
Actual Occupant

THERE IS NO CHANGE TO USE OR EGRESS. THERE IS CHANGE TO OCCUPANCY AS PART OF THIS APPLICATION.

KEY PLAN

UNIVERSITY HOSPITAL
150 Bergen Street
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United States
Tel 212.254.0030

AKF
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United States
Tel 212.354.5656

KNL
Kugler Ning Lighting
247 W 37th ST
Suite 1502
New York, NT 10018
United States
Tel 212.382.2100

Date	Description
07.14.2023	DOH FUNCTIONAL PLAN REVIEW
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
LIFE SAFETY 2

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

G-101.2

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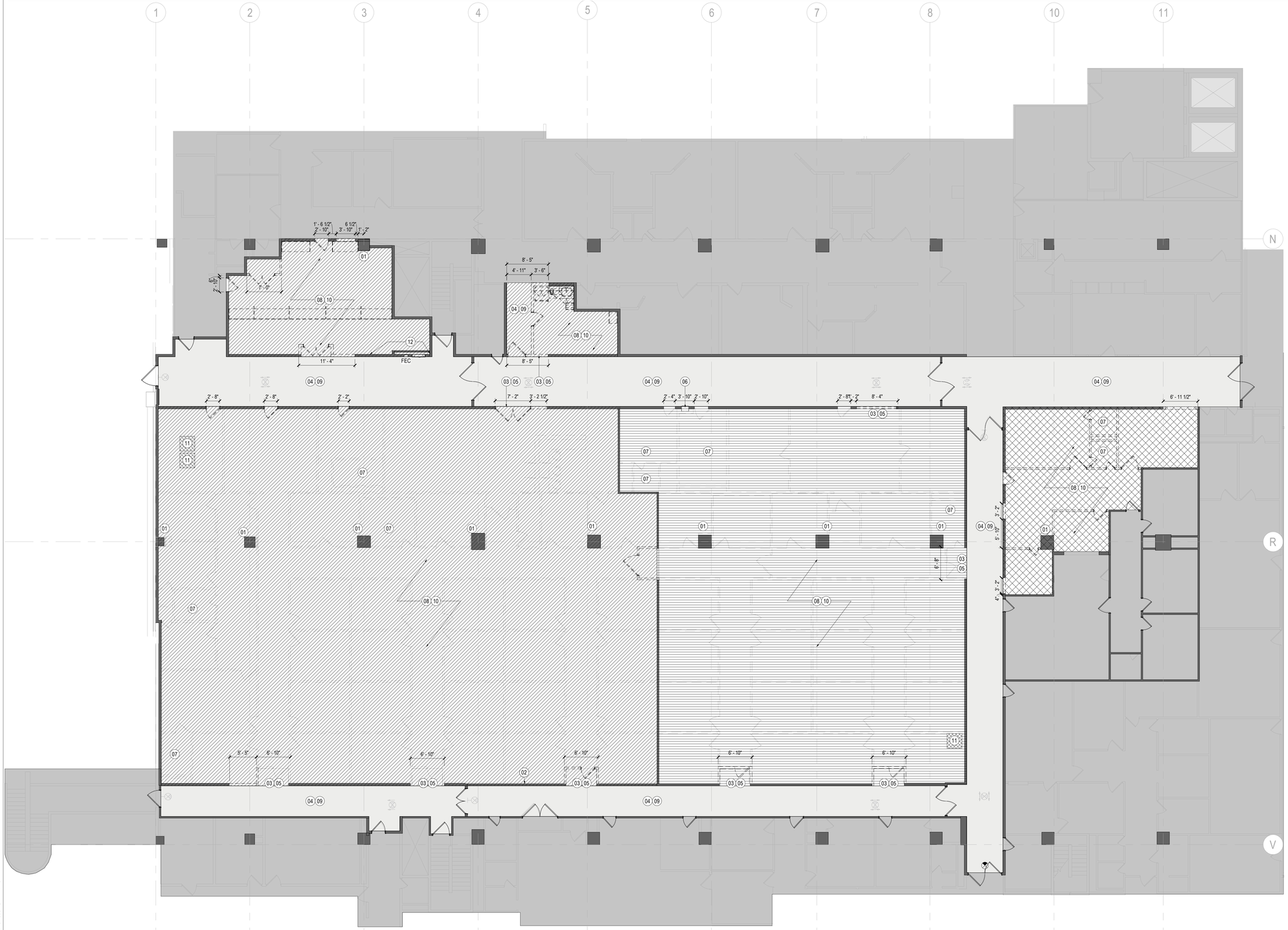

1 DEMOLITION PLAN - LEVEL C - PHASE COMPLETE

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

GENERAL NOTES

A. FOR OVERALL DEMOLITION SCOPE OF WORK, DEMOLITION NOTES & ADDITIONAL INFORMATION, SEE GENERAL NOTES G-002.

B. ALL DIMENSIONS TO BE FIELD VERIFIED WITH DESIGN INTENT AND EXISTING CONDITIONS.

C. FOR ADDITIONAL INFORMATION ON THE REMOVAL OF WALL & FLOOR MOUNTED DEVICES, SEE HVAC, ELECTRICAL, PLUMBING AND FIRE-PROTECTION DEMOLITION NOTES.

D. REFER TO MEP & FP DEMOLITION DRAWINGS AND NOTES FOR ADDITIONAL INFORMATION.

E. REFER TO STRUCTURAL DEMOLITION DRAWINGS AND NOTES FOR ADDITIONAL INFORMATION.

SHEET NOTES

01 REMOVE COLUMN ENCLOSURE, FINISH AND SUPPORT FRAME. LEAVE EXSITING STRUCTURAL COLLUMN EXPOSED

02 REMOVE INTERIOR FURRED-OUT PARTITION ALONG EXTERIOR WALL AND ASSOCIATED COMPONENTS. LEAVE EXSITING EXTERIOR WALL ASSEMBLY (CONCERETE MASONRY UNITS AND STRUCTURAL ELEMENTS) EXPOSED.

03 SECURE EXSITING CEILING SUSPENSION SYSTEM ON CORRIDOR SIDE BEFORE REMOVING CEILING IN ALCOVES. MAINTAIN CEILING CONTINUITY ON CORRIDOR SIDE. SEE NOTE 4.

04 COORDINATE CEILNG WORK DESCRIBED IN NOTE 3 AND BUILD NEW PARTITION TO ENCLOSE AND MAINTAIN FIRE RATING AT CORRIDOR SIDE TO MATCH EXSITING ADJACENT PARTITION. FINISH PARTITION ON CORRIDOR SIDE TO MATCH EXSITING ADJACENT PARTITONS.

05 COORDINATE FLOORING REMOVAL IN ALCOVES WITH WORK DESCRIBED IN NOTES 3 AND 4.

06 REMOVE EXISTING DRINKING FOUNTAIN. COORDINATE WITH WORK DESCRIBED IN NOTES 3, 4 & 5.

07 REMOVE ALL PLUMBING FIXTURES AND ACCESSORIES. REFER TO MEP DRAWINGS FOR MORE INFORMATION.

08 COORDINATE FLOOR SLAB PREPWORK NEEDED FOR LEVELING, CONDUIT STUB UPS, PLUMBING, POWER/DATA, ETC. PREPARE FLOOR AS REQUIRED FOR NEW FINISHES.

09 PROTECT EXISTING FIRE HOSE CONNECTION, FIRE EXTINGUISHER CABINETS, EXIT SIGNS AND MEDICAL GAS VALVES WITHIN EXISTING CORRIDORS. VERIFY WITH OWNER AND THE DESIGN TEAM ANY CONFLICTS WITH THE DESIGN INTENT.

10 COORDINATE WITH OWNER ON SALVAGING ANY EXISTING EQUIPMENT FOR REUSE.

11 COORDINATE CONCRETE SLAB REMOVAL REQUIRED FOR SHOWER PAN INSTALLATION. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS FOR MORE INFORMATION TO ENSURE ADA COMPLIANCE WITH SHOWER PAN AND FLOOR TILES.

12 FIRE HOSE AND FIRE EXTINGUISHER CABINETS ARE EXSITING TO REMAIN. GC TO COORDINATE EXISITING PARTITIONS AROUND THESE CABINETS TO REMAIN INTACT.

LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- SMOKE PARTITION
- NOT IN SCOPE
- LIMITED MEP SCOPE
- PHASE 0 - RADIOLOGY RECEPTION
- PHASE 1 - EMERGENCY DEPARTMENT
- PHASE 2 - EMERGENCY DEPARTMENT

KEY PLAN

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United States
Tel 212.354.5656

KNL
Kugler Ning Lighting
247 W 37th ST
Suite 1502
New York, NT 10018
United States
Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

006.4764.000

Description

DEMOLITION LVL C

Scale

As indicated

PROJECT NORTH

0 24 48 96 192

DA-100

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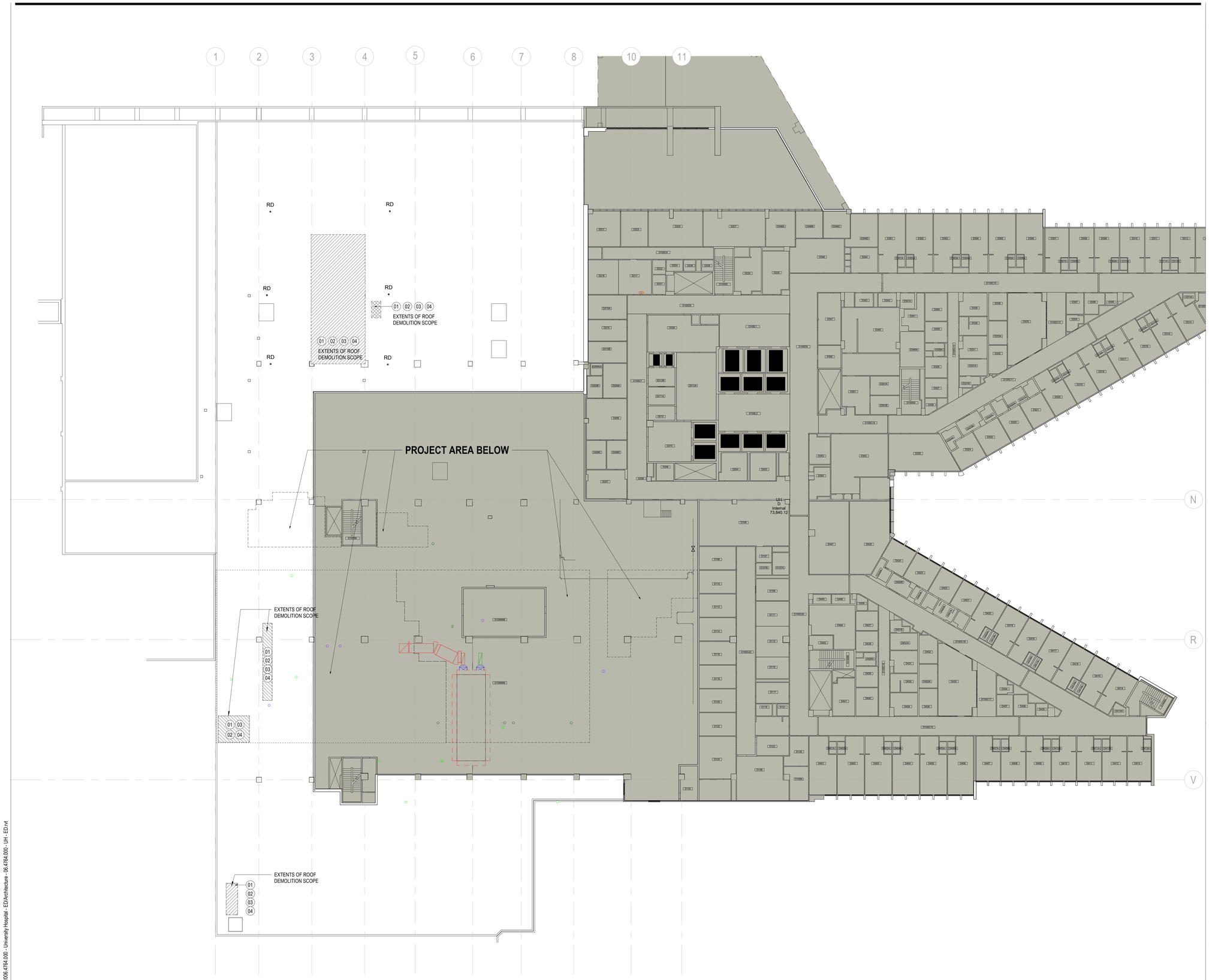

1 DEMOLITION PLAN - ROOF-LEVEL D

SCALE: 1/16" = 1'-0"

GENERAL NOTES

A. FOR OVERALL DEMOLITION SCOPE OF WORK, DEMOLITION NOTES & ADDITIONAL INFORMATION, SEE GENERAL NOTES G-002.

B. ALL DIMENSIONS TO BE FIELD VERIFIED WITH DESIGN INTENT AND EXISTING CONDITIONS.

C. FOR ADDITIONAL INFORMATION ON THE REMOVAL OF WALL & FLOOR MOUNTED DEVICES, SEE HVAC, ELECTRICAL, PLUMBING AND FIRE-PROTECTION DEMOLITION NOTES.

D. REFER TO MEP & FP DEMOLITION DRAWINGS AND NOTES FOR ADDITIONAL INFORMATION.

E. REFER TO STRUCTURAL DEMOLITION DRAWINGS AND NOTES FOR ADDITIONAL INFORMATION.

SHEET NOTES

01 REMOVE EXSITING ROOFING AS NECESSARY TO INSTALL NEW STRUCTURAL SUPPORTS. SEE STRUCTUAL DRAWINGS FOR ADDITIONAL INFORMATION.

02 PROVIDE NEW OPENING IN EXSITING ROOF AND SAW CUT EXISTING CONCRETE. PROVIDE BLOCKING, FLASHING AND SAFING AS REQUIRED TO MAINTAIN STRUCTUAL INTEGRITY, WATER-TIGHTNESS AND THERMAL INTEGRITY.

03 REMOVE EXISTING ROOFING AS NECESSARY TO INSTALL NEW ROOF CURBS. REFER TO MEPFP & STRUCTUAL DRAWINGS FOR MORE INFORMATION.

04 REMOVE ANY EXISTING ROOFTOP EQUIPMENT AS REQUIRED. SEE MEPFP AND STRUCTUAL DRAWINGS FOR MORE INFORMATION.

LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- SMOKE PARTITION
- NOT IN SCOPE
- LIMITED MEP SCOPE
- PHASE 0 - RADIOLOGY RECEPTION
- PHASE 1 - EMERGENCY DEPARTMENT
- PHASE 2 - EMERGENCY DEPARTMENT

KEY PLAN

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New York, NT 10018
United States
Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
DEMOLITION LVL D

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

DA-110

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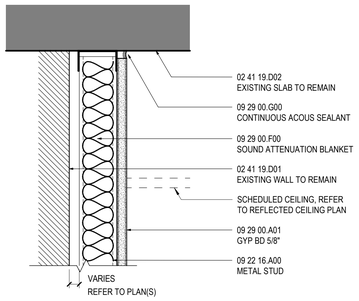

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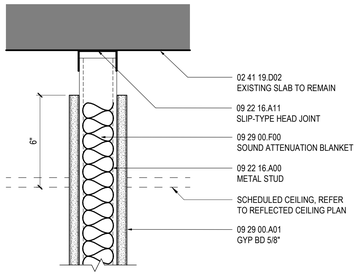

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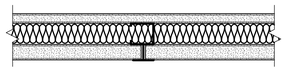
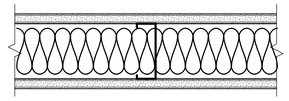


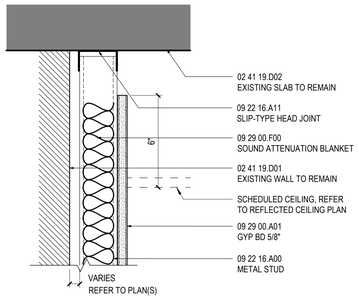
PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
H2R	0.0329	2 1/2"	16" O.C.	HT01	HB01	-	1	UL-U415	43	1-9

H TYPE



PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
A3A	0.0329	3 5/8"	16" O.C.	A-T06	A-B01	3.5"	-	-	35	1-9
A3F	0.0329	3 5/8"	16" O.C.	A-T04	A-B01	3.5"	-	-	40	1-9
A3R	0.0329	3 5/8"	16" O.C.	A-T02	A-B02	3.5"	1	UL-U419	40	1-9
A6F	0.0329	6"	16" O.C.	A-T04	A-B01	6"	-	-	40	1-9
A6R	0.0329	6"	16" O.C.	A-T02	A-B02	6"	1	UL-U419	40	1-9

A TYPE



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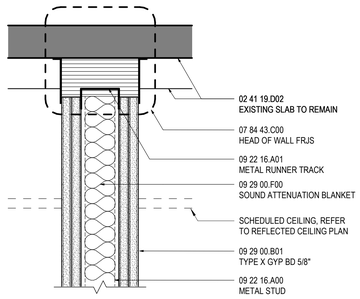
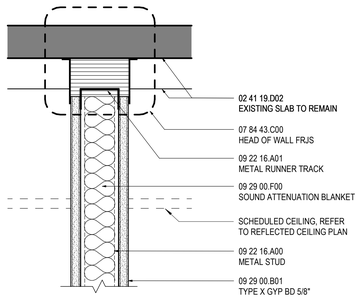


(2-HOUR RATED-BASIS OF DESIGN UL SYSTEM NO. HW-D-0264)



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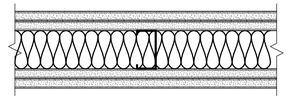
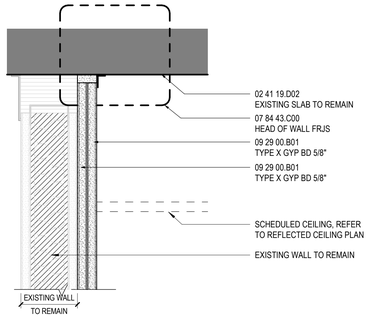


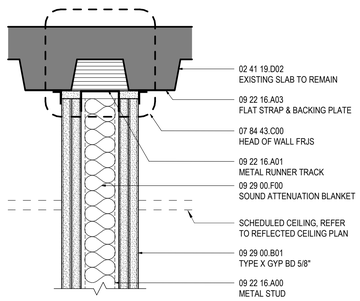
PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
B3F	0.0329	3 5/8"	16" O.C.	B-T04	B-B01	3.5"	-	-	50	1-9
B3R	0.0329	3 5/8"	16" O.C.	B-T02	B-B02	3.5"	2	UL-U419	50	1-9

B TYPE



(2-HOUR RATED-BASIS OF DESIGN UL SYSTEM UL-U408)

G T02



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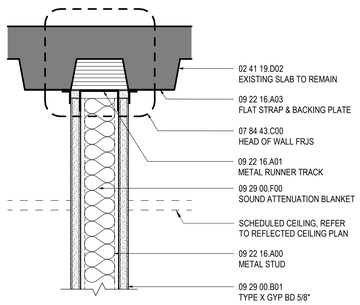

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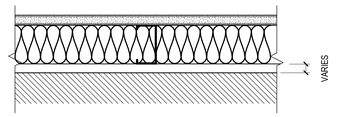
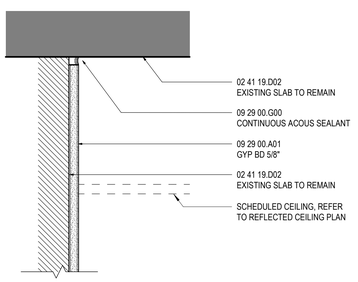
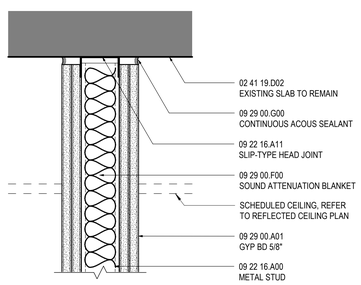


PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
D2A	0.0329	2 1/2"	16" O.C.	D-T06	D-B01	2 1/2"	-	-	-	1-9
D3A	0.0329	3 5/8"	16" O.C.	D-T06	D-B01	3"	-	-	-	1-9
D3F	0.0329	3 5/8"	16" O.C.	D-T04	D-B01	3"	-	-	-	1-9
D6F	0.0329	6"	16" O.C.	D-T04	D-B01	6"	-	-	-	1-9

D TYPE



G T04



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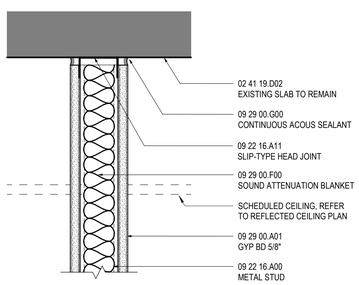

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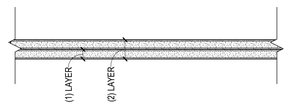

PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
G1F	-	-	-	G-T04	G-B01	-		-	-	1-9
G2R	-	-	-	GT02	G-B02	-	2	UL-U408	-	1-9

G TYPE

GENERAL NOTES

1 A2A
- **PARTITION TAG**
- PART. TYPE DESIGNATOR (SEE **PART. SERIES TYPE SCHEDULES)**
- FRAMING MEMBER DEPTH (SEE **TABLE B** OR **TABLE C** - BELOW)
- PARTITION SERIES (SEE **TABLE A** - BELOW)
- **FIRE RATING (IF APPLICABLE)**

TABLE A- PART SERIES CONSTR ASSEMBLY

SERIES	SHEATHING	STRUCTURE	SHEATHING
A	1-LYR	MTL C-STUD	1-LYR
B	2-LYRS	MTL C-STUD	2-LYRS
C	1-LYR	MTL C-STUD	2-LYRS
D	1-LYR	MTL C-STUD	NONE
E	2-LYRS	MTL C-STUD	NONE
F	1-LYR	MTL HAT CHNL	NONE
G	1-LYR	NONE	NONE
H	1-LYR	MTL C-H STUD	LINER PNL
J	2-LYRS	MTL C-H STUD	LINER PNL
K	1-LYR	(2) MTL C-STUDS	1-LYR
L	2-LYRS	(2) MTL C-STUDS	2-LYRS
M	NONE	CMU	NONE
N-U	RESERVED FOR FUTURE EXPANSION		
V-Z	CUSTOM	N/A	N/A

TABLE B- FRAMING DEPTH SCHEDULE

TAG #	MTL STUD DEPTH	MTL C-H STUD DEPTH	WD STUD DEPTH
-	NO FRAMING		
0	7/8" FURRING CHANNEL		N/A
1	1 5/8"	N/A	N/A
2	2 1/2"	2 1/2"	N/A
3	3 5/8"	N/A	N/A
4	4"	4"	3 1/2"
6	6"	6"	5 1/2"
8	8"	N/A	7 1/4"
10	10"	N/A	9 1/4"

TABLE C- MASONRY WIDTH SCHEDULE

TAG #	CMU WIDTH
4	3 5/8"
6	5 5/8"
8	7 5/8"
10	9 5/8"
12	11 5/8"

STL SHEET THK FOR STUDS & RUNNERS

GAUGE*	MIN. STL BASE MTL THK UNCOATED)		
	INCH	MILS	MM
12	0.0966	97	2.454
14	0.0677	68	1.720
16	0.0538	54	1.367
18	0.0428	43	1.087
20	0.0329	33	0.836
22	0.0269	27	0.683
25	0.0179	18	0.455

*GAUGE 12,14,16,18 USED FOR STRUCTURAL FRAMING; 20, 22, AND 25 USED FOR NON-STRUCTURAL FRAMING
*USE OF DIMPLED STEEL STUDS ACCEPTABLE PROVIDED CONTRACTOR SUPPLIES DOCUMENTATION PROVING THE EQUIVALENT MINIMUM BASE METAL THICKNESS IS ACHIEVED

GENERAL NOTES

GN-01. PART. TYPES ARE NOT SEQUENTIAL.
GN-02. ALL PTN SHEATHING TO BE 5/8"GYP BD UNO.
GN-03. REFER TO A-030 SERIES FOR TOP OF PTN AND A-040 SERIES FOR BTM OF PTN CONDITIONS LISTED IN PTN SCHEDULE.
GN-04. ALL PARTITIONS SHALL BE COORD. WITH SCHEDULED FINISHES FOR PART. LAYOUT AND REQ'D CLEARANCES.
GN-05. PROVIDE BLOCKING IN PARTITIONS FOR ARTWORK HANGING AS INDICATED. SEE CONSTRUCTION PLAN(S) AND/ OR INTERIOR ELEVATIONS FOR LOCATIONS.
GN-06. FOR INT. FRAMING LIMITING HEIGHTS REFER TO SSMA TABLES FOR INTERIOR NON-STRUCTURAL NON-COMPOSITE PARTITIONS
GN-07. CONTRACTOR TO RE-CONFIRM STUD SIZING AND SUBMIT SELECTION CRITERIA FOR REVIEW INCLUDING DELINEATION OF SLAB TO UNDERSIDE OF SLAB INFORMATION
GN-08. FOR INTERIOR FRAMING LIMITING HEIGHTS REFER TO SSMA TABLES FOR INTERIOR NONSTRUCTURAL NON-COMPOSITE PARTITIONS
GN-09. PROVIDE PARTITION BRACING AT ALL PARTITION ASSEMBLIES PER MANUFACTURER'S RECOMMENDATIONS

PARTITION TYPE DESIGNATION SCHEDULE

A: WALL FINISH STOPS 6" ABOVE CEILING
F: FULL HEIGHT PARTITION
R: RATED WALL - FULL HEIGHT PARTITION

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Tel 212.254.0030

AKF
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Suite 302
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United States
Tel 212.354.5656

KNL
Kugler Ning Lighting
247 W 37th ST
Suite 1502
New York, NT 10018
United States
Tel 212.382.2100

△ Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
PARTITION DETAILS

Scale
3" = 1'-0"

A-010

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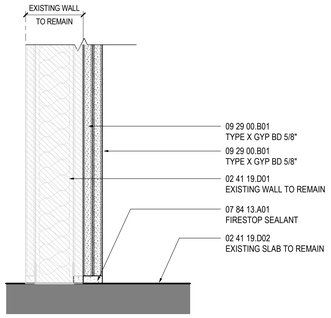

(2-HOUR RATED-BASIS OF DESIGN UL SYSTEM UL-U408)

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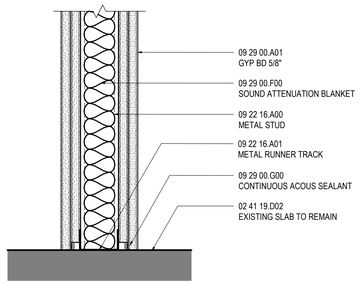

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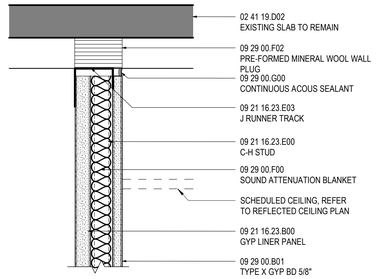

PERPENDICULAR TO DECK FLUTES

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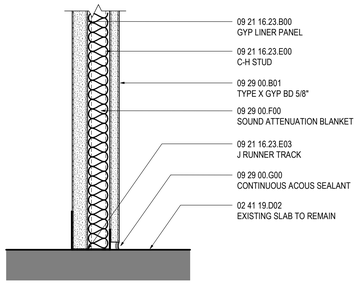

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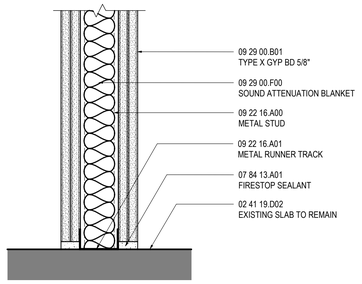

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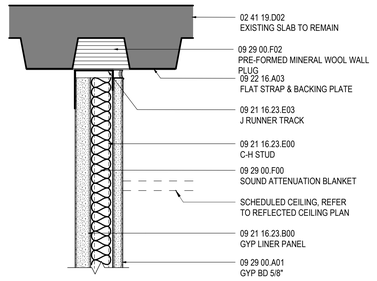

PARALLEL TO DECK FLUTES

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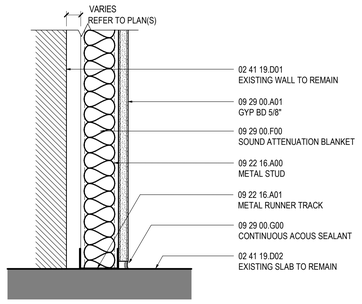

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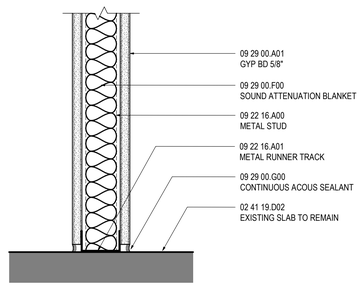

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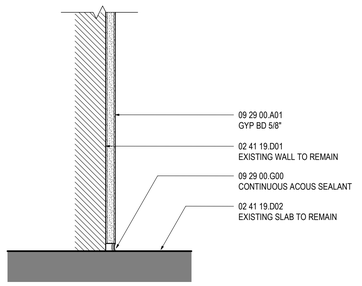

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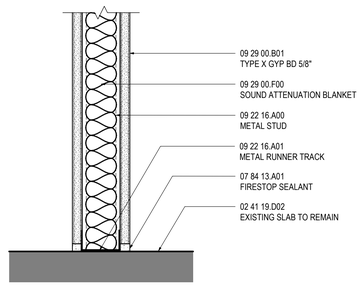

(1-HOUR RATED-BASIS OF DESIGN UL SYSTEM NO. U419)

A B02

GENERAL NOTES

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New York, NT 10018
United States
Tel 212.382.2100

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Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
PARTITION DETAILS

Scale
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A-011

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DOOR OPENING SCHEDULE

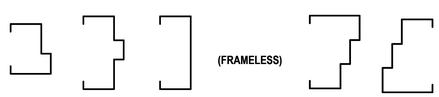
OPENING		DOOR						FRAME						ASSEMBLY RATING			HARDWARE																	
			DIMENSIONS								DETAILS						2.1 HANGING (H)		2.2 SECURING (S)					2.3 OPERATING (O)				2.4 MISCELLANEOUS (M)							
NUMBER	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	FIRE RATING	TEMP RISE	SMOKE LABEL	HINGES	SLIDING	LOCKS & LATCHES	DEAD BOLTS(DEAD LOCKS	DUST PROOF STRIKES	CYLINDER CORES & KEYING	ELEC IMAGE/ELEC STRIKES	PUSH & PULLS	CLOSERS	STOPS & HOLDERS	EXIT DEVICES	KICKA/RMOR PLATES	COORDINATORS	ASTRAGALS	SILENCERS	GASKETING	THRESHOLD	OTHERS	REMARKS
PHASE 1 - WAITING & ED																																		
C01	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C02	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C03	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C04	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C05	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C06	PATIENT TOILET	C	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	3	HM	PT-01	3/A-920	4/A-920					HPC01		SLM26			SCK02				OSS09		MKP01		MGM03	MSM01	MGM01	MOH08	BREAKAWAY SHOWN DASHED IN PLANS. EMERGENCY RELEASE HARDWARE.
C07	ISO TOILET	C	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	3	HM	PT-01	3/A-920	4/A-920					HPC01		SLM26			SCK02				OSS09		MKP01		MGM03	MSM01	MGM01	MOH08	BREAKAWAY SHOWN DASHED IN PLANS. EMERGENCY RELEASE HARDWARE.
C08A	ISO TREATMENT	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C08B	ISO TREATMENT	H	4' - 0"	7' - 0"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES. SINGLE SLIDER UNIT.
C09	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C10	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C11	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C12	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C18	CLEAN SUPPLY	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920		45 MIN.			HBH01/EHBS02		ESLM01			SCK02	OCS01		OSH01		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C19	SOILED WORKROOM	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920		45 MIN.			HBH02/EHBS02		ESLM01			SCK02	OCS01		OSS09		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C22	MED PREP	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH02/EHBS02		ESLM01			SCK02	OCS01		OSS09		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C23A	EQUIPMENT	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920		45 MIN.			HBH01/EHBS02		ESLM01			SCK02	OCS01		OSH01		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C24	PATIENT TOILET	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920					HBH01		SLM26			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01			
C25	PATIENT TOILET	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920					HBH01		SLM26			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01			
C26A	CIRCULATION	E	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920		90 MIN.		S	HBH01/EHBH01		ESLM01			SCK02	EOCS01		OSS09	OEP14	MKP01		MAS01	MSM01	MGM03			COORDINATE WITH CARD READER & AUTO DOOR OPERATOR. REFER TO SPEC SECTIONS.
C26B	CIRCULATION	E	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920		90 MIN.		S	HBH01/EHBH01		ESLM01			SCK02	EOCS01		OSS09	OEP14	MKP01		MAS01	MSM01	MGM03			COORDINATE WITH CARD READER & AUTO DOOR OPERATOR. REFER TO SPEC SECTIONS.
C48C	CIRCULATION	F	7' - 5"	7' - 0"	0' - 1 3/4"	HM	PT-01	5	HM	PT-01	7/A-920	8/A-920		20 MIN.		S	HBH01/EHBH01		ESLM01			SCK02	EOCS01		OSS09		MKP01			MSM01	MGM01			COORDINATE WITH AUTO DOOR OPERATOR.
C51	ELECTRICAL CLOSET	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920					HBH01/EHBS02		ESLM01			SCK02	OCS01							MSM01	MGM01	MTI03		COORDINATE WITH CARD READER. 180 DEGREE DOOR SWING.
C100C29	CIRCULATION	E	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH01/EHBH01		ESLM01			SCK02	EOCS01		EOSH01		MKP01		MAS01	MSM01	MGM01			COORDINATE WITH AUTO DOOR OPERATOR. PROVIDE HOLD OPENS.
C305	RADIOLOGY BREAK ROOM	B	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH01/EHBS02		ESLM01			SCK02	OCS01		OSH01		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C328	PUBLIC TOILET	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH02		SLM26			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01			
C329A	SUBWAIT ROOM	G	3' - 8"	7' - 0"	0' - 2"	AL/GL	MT-02/GL-01	4	AL	MT-02	9/A-920	11/A-920	9/A-920	90 MIN.			HBH01/EHBS02		ESLM01			SCK02	EOCS01		OSS09					MSA01	MGM01			COORDINATE WITH AUTO DOOR OPERATOR. CONFIRM WITH OWNER KEYING REQUIREMENTS. REFER TO 084124 & 088813 FOR MORE INFORMATION.
C329B	SUBWAIT ROOM	B	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH01/EHBS02		ESLM01			SCK02	E0CS01		OSS09		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER AND AUTO DOOR OPERATOR. REFER TO SPEC SECTIONS.
C466	PUBLIC WAIT	G	3' - 8"	7' - 0"	0' - 2"	AL/GL	MT-02/GL-01	4	AL	MT-02	9/A-920	11/A-920	9/A-920	90 MIN.		S	HBH01/EHBS02		ESLM01			SCK02	EOCS01		OSS09					MSA01	MGM01			COORDINATE WITH AUTO DOOR OPERATOR. CONFIRM WITH OWNER KEYING REQUIREMENTS. REFER TO 084124 & 088813 FOR MORE INFORMATION.
C467	REG/REC	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH01/EHBS02		ESLM01			SCK02	OCS01		OSS09					MSM01	MGM01			COORDINATE WITH CARD READER
C468	OFFICE	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH01/EHBS02		ESLM01			SCK02	OCS01		OSS09					MSM01	MGM01			COORDINATE WITH CARD READER
C469	SCHEDULING, FIN, COUNC	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH01/EHBS02		ESLM01			SCK02	OCS01		OSS09					MSM01	MGM01			COORDINATE WITH CARD READER
PHASE 2 - ED																																		
C23B	EQUIPMENT	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920		45 MIN.		S	HBH01/EHBS02		ESLM01			SCK02	OCS01		OSH01		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C29	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C30	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C31	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C32	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C33	BARIATRIC TREATMENT RM	H	10' - 0"	7' - 2"	0' - 6"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C34	BARIATRIC TOILET	J	5' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920					HPC01		SLM26			SCK02			OSS09		MKP01	MCO03	MGM03	MSM01	MGM03		MOH08	EMERGENCY RELEASE HARDWARE. COORDINATE WITH INACTIVE AND ACTIVE LEAFS.
C35	PATIENT TOILET	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920		20 MIN.		S	HBH02		SLM26			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01			
C36	PATIENT TOILET	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920		20 MIN.		S	HBH02		SLM26			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01			
C37	STAFF TLT	A	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH02/EHBS02		ESLM01			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01			COORDINATE WITH CARD READER
C42	EVS	A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920					HBH02/EHBS02		ESLM01			SCK02	OCS01		OSS09		MKP01			MSM01	MGM01			COORDINATE WITH CARD READER
C43	ISO TREATMENT	C	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	3	HM	PT-01	3/A-920	4/A-920					HPC01		SLM26			SCK02			OSS09		MKP01		MGM03	MSM01	MGM01	MOH08	BREAKAWAY SHOWN DASHED IN PLANS. EMERGENCY RELEASE HARDWARE.
C43B	TREATMENT ROOM	H	4' - 0"	7' - 0"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES. SINGLE SLIDER UNIT.
C44	ISO TREATMENT	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C45	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C46	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C47	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C48	TREATMENT ROOM	H	8' - 0"	7' - 2"	0' - 4 1/2"	AL/GL	GL-03	4	AL	MT-02	6/A-920	5/A-920	6/A-920																					REFER TO SPEC SECTION 08 42 43 ICU/CCU ENTRANCES.
C48A	CIRCULATION	E	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920		90 MIN.		S	HBH01/EHBH01		ESLM01			SCK02	EOCS01		OSS09	OEP14	MKP01			MSM01	MGM03			COORDINATE WITH CARD READER & AUTO DOOR OPERATOR. REFER TO SPEC SECTIONS.
C48B	CIRCULATION	B	3' - 8"	7' - 0"	0' - 1 3/4"	HM	PT-01	2	HM	PT-01	1/A-920	2/A-920		90 MIN.		S	HBH01/EHBH01		ESLM01			SCK02	EOCS01		OSS09	OEP14	MKP01			MSM01	MGM03			COORDINATE WITH CARD READER & AUTO DOOR OPERATOR. REFER TO SPEC SECTIONS.
C48D	CIRCULATION	B	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PT-02	2	HM	PT-02	1/A-920	2/A-920		20 MIN.		S	HBH01/EHBS02		ESLM01			SCK02	EOCS01		OHS01		MKP01			MSM01	MGM01			COORDINATE WITH AUTO DOOR OPERATOR.

GENERAL NOTES

A. REFER TO CONSTRUCTION PLAN FOR HAND OF DOOR.
B. FABRICATE AND INSTALL WORK IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS, ORIGINAL DESIGN, FINAL SHOP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS, ANCHORING ALL COMPONETS IN POSITION FOR LONG LIFE UNDER HEAVY USE.
C. PROVIDE CUT OUTS, REINFORCEMENTS, ANCHORS, AND FASTENERS FOR ALL HARDWARE IN ALL DOORS AND FRAMES AS PER MANUFACTURER'S SPECIFICATIONS.
D. DOORS AND FRAMES TO BE PAINTED PER FINISH SCHEDULE.
E. ALL DOORS SHALL HAVE UNDERCUTS OF 1/4" A.F.F. UNLESS OTHERWISE NOTED. VERIFY ANY VARIATIONS OF UNDERCUT DIMENSION WITH ARCHITECT.
F. ALL DOORS AND FRAMES SHALL BE MACHINE SHOPPED TO RECEIVE HARDWARE. HARDWARE SUPPLIER SHALL PROVIDE CUTS AND/OR ACTUAL HARDWARE ITEMS TO METAL FRAME FABRICATOR PRIOR TO MACHINING OF FRAMES.
G. KEYING ON ALL DOORS TO BE VERIFIED BY OWNER.
H. EXACT HEIGHTS OF DOORS AND FRAMES TO BE COORDINATED WITH NEW AND EXISTING WALLS AND CEILINGS.
I. ALL DIMENSIONS TO BE FIELD VERIFIED.
J. GC TO COORDINATE GLASS THICKNESSES AS SPECIFIED IN PROJECT MANUAL SECTION 08 80 00 GLAZING.
K. PROVIDE KICKPLATES ON BOTH SIDES OF DOOR WHERE SPECIFIED ON A DOOR.
L. REFER TO PROJECT MANUAL SECTION 08 71 00 FOR DOOR HARDWARE SETS.
M. OR SAFETY GLAZING. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
N. PROVIDE (2) TA-11 COAT HOOKS ADJACENT TO THE DOOR AT ALL TOILET ROOMS.
O. PROVIDE CLOSER AT INSIDE OF ROOM, UNLESS OTHERWISE NOTED.
P. ENSURE CLEAR WIDTHS ARE MET AT SWING AND SLIDING DOORS PER DRAWINGS AND SPECIFICATIONS.
Q. COORDINATE HOLD OPENS WITH NEW DOOR AND ADJACENT WALLS. PROVIDE EXTENSIONS IF REQUIRED.
R. COORDINATE AUTO DOOR OPERATORS WITH NEW DOOR AND ADJACENT WALL. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

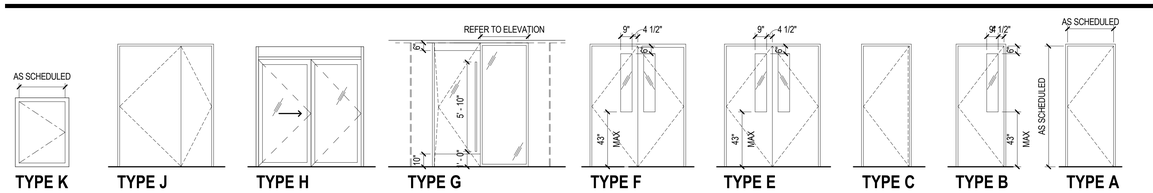
SHEET NOTES

FRAME TYPES



FRAME TYPE: 1 | FRAME TYPE: 2 | FRAME TYPE: 3 | FRAME TYPE: 4 | FRAME TYPE: 5

DOOR TYPES



TYPE K — SINGLE FLUSH ACCESS PANEL PAINTED AS SCHEDULED

TYPE J — DOUBLE (BREAKAWAY) ASYMMETRIC LEAVES AS SCHEDULED

TYPE H — GLAZED AUTOMATIC SLIDING ICU DOOR (BREAK AWAY)

TYPE G — FIRE RATED SINGLE SWING GLASS DOOR WITH SIDELITE & TOP AND BOTTOM RAIL AS SCHEDULED

TYPE F — DOUBLE DUAL EGRESS DOOR WITH VISION PANEL AS SCHEDULED

TYPE E — DOUBLE FLUSH DOOR WITH VISION PANEL AS SCHEDULED

TYPE C — SINGLE DUAL SWING (BREAK AWAY) AS SCHEDULED

TYPE B — SINGLE FLUSH DOOR WITH VISION LIGHT AS SCHEDULED

TYPE A — SINGLE FLUSH DOOR AS SCHEDULED

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KNL Kugler Ning Lighting
247 W 37th ST, Suite 1502, New York, NT 10018, United States — Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name: EMERGENCY DEPARTMENT EXPANSION

Project Number: 006.4764.000

Description: DOOR SCHEDULE

Scale: As indicated

A-020

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9/22/2023 11:00:55 AM Autodesk Docs://006.4764.000 - University Hospital - ED/Architecture - 06.4764.000 - UH - ED.rvt

FINISH SCHEDULE

CEILING (CL##)

CL01

09 51 13 ACOUSTICAL PANEL CEILINGS
DESCRIPTION: ACOUSTICAL PANEL CEILINGS
MANUFACTURER: USG
MODEL NAME: HEALTHCARE HIGH-NRC/HIGH-CAC (80/40) ACOUSTICAL PANELS
SIZE: 24"X24"
COLOR NAME: WHITE
GRID STYLE: USG DONN BRAND IDENTITEE DXI 15/16" ACOUSTICAL SUSPENSION SYSTEM
EDGE CONDITION: FLAT LAY-IN
LOCATION: GENERAL CEILING
NOTE: GENERAL ACOUSTIC CEILING PANEL
CONTACT NAME: DAVID TU
CONTACT PHONE: 646-284-0092
CONTACT EMAIL: DTU@USG.COM

CL02

09 51 33 ACOUSTICAL METAL PANEL CEILINGS
DESCRIPTION: ACOUSTICAL PANEL CEILINGS
MANUFACTURER: USG
MODEL NAME: ILLUSIONS METAL PANEL CEILING SYSTEM
SIZE: VARIES, REFER TO RCP
COLOR NAME: S-16N TAN SAWN OAK
BACKING: ACOUSTIC BACKFILL
CONSTRUCTION: BUTT JOINT
GRID STYLE: TORSION SPRINGE TEE GRID
NOTE: STANDARD PERFORATIONS - CD05006 (SD-2) 6% OPEN AREA
PROVIDE MANUFACTURER'S STANDARD MINERAL FIBER SOUND ABSORBING ACOUSTICAL PADS OR ULTRASORB INSULATION WITHIN CAVITY OF CEILING PANELS TO ACHIEVE ACOUSTIC VALUE
CONTACT NAME: DAVID TU
CONTACT PHONE: 646-284-0092
CONTACT EMAIL: DTU@USG.COM

CL03

09 54 43 SPECIALTY CEILING: STRETCHED FABRIC CEILING SYSTEMS
DESCRIPTION: MODULAR STRETCHED FABRIC CEILING SYSTEMS
MANUFACTURER: APOGEE LIGHTING
MODEL NAME: APOGEE LIGHTSCAPE
SIZE: VARIES; SEE RCP
COLOR NAME: WHITE
INSTALLATION: PIVOT PANEL WITH 1/2" REVEAL
NOTE: STRETCHED FABRIC CEILINGS BY NEWMAT.
2'X2' LED PANELS ARE INSTALLED WITH 2'X2' 1/16" T-GRID SYSTEM ABOVE NEWMAT CEILING.
CONTACT NAME: FRANK ZARCONE
CONTACT PHONE: 631.741.1020
CONTACT EMAIL: FZARCONE@APOGEE-LIGHTING.COM

CL04

09 51 33 ACOUSTICAL MTAL PANEL CEILINGS
DESCRIPTION: ACOUSTICAL PANEL CEILINGS
MANUFACTURER: USG
MODEL NAME: PANZ METAL PANELS
TYPE: PERFORATED PANEL, PATTERN C062 1/16" PERFORATIONS, 0,351" O.C. 2% OPEN AREA
SIZE: VARIES; SEE RCP
COLOR NAME: MAPLE 4010
FINISH: WOOD TONES
GRID STYLE: USG FINELINE EDGE WITH USG IDENTITEE DXI SUSPENSION
CONTACT NAME: DAVID TU
CONTACT PHONE: 646-284-0092
CONTACT EMAIL: DTU@USG.COM

GLAZING (GL##)

GL01

08 80 00 GLAZING
DESCRIPTION: GLAZING
MODEL NAME: 90-120 MINUTE FIRE RESISTIVE GLAZING
COLOR NAME: 3/4" - 2 1/8" PILKINGTON PYROSTOP, FIRE-RATED, IMPACT SAFETY-RATED, TRANSPARENT, CLEAR GLASS
LOCATION: @WAITING ROOM DOORS
NOTE: 2 HR FIRE RATED WALL & 90 MIN. FIRE RATED DOORS; COORDINATE GLAZING THICKNESS WITH MANUFACTURER.

A

GL02

08 80 00 GLAZING
DESCRIPTION: GLAZING
COLOR NAME: 3/4" CLEAR, LOW-IRON, SAFETY-RATED, LAMINATED WITH 0.060" SGP INTERLAYER
LOCATION: @NURSE STATION & @RADIOLOGY RECEPTION

GL03

08 80 00 GLAZING
DESCRIPTION: GLAZING
COLOR NAME: 1/4" CLEAR, LOW-IRON, TEMPERED BY MANUFACTURER
LOCATION: @PATIENT ROOM SLIDING DOORS
NOTE: COORDINATE GLAZING THICKNESS WITH MANUFACTURER.

DECORATIVE METAL (MT##)

MT01

05 70 00 DECORATIVE METAL FINISHES
DESCRIPTION: ALUMINUM
COLOR NAME: CLEAR ANODIZED
LOCATION: GLASS CHANNEL AND FOOT RAILING @ NURSE STATION

MT02

05 70 00 DECORATIVE METAL FINISHES
DESCRIPTION: ALUMINUM
COLOR NAME: CLEAR
FINISH: CLEAR ANODIZED
LOCATION: SLIDING DOOR FRAMES AT PATIENT ROOMS, DEMOUNTABLE PARTITION FRAME AT RECEPTION/WAITING

PRIVACY CURTAIN (PC##)

PC01

10 21 23 PRIVACY CURTAIN
DESCRIPTION: DISPOSABLE SNAP PANEL CUBICLE CURTAIN
MANUFACTURER: MED LINE
MODEL NAME: SNAP PANEL
COLOR NAME: MAMBO BREEZE
COLOR NUMBER: MAMBRZ
LOCATION: PRIVATE TREATMENT ROOMS, OPEN BAYS
NOTE: DISPOSABLE PRIVACY CURTAIN
TO BE PROVIDED/INSTALLED BY OWNER.
GC TO COORDINATE AND INSTALL CURTAIN TRACK LOCATIONS PER UH STANDARD PRODUCT.
PROVIDE SHOP DRAWINGS OF CURTAIN TRACK LAYOUT FOR ARCHITECT'S REVIEW.

INTEGRAL BASE (IB##)

IB01

09 65 16 INTEGRAL RESILIENT WALL BASE
DESCRIPTION: HOMOGENOUS RESILIENT FLOORING
MANUFACTURER: POLYFLOR
MODEL NAME: PALETTONE PUR
SIZE: 20 METER ROLL
COLOR NAME: URBAN AIR
COLOR NUMBER: 8605
THICKNESS: 2MM
LOCATION: REFER TO FINISH PLANS
INSTALLATION: HEAT WELDED
NOTE: 4"H INTEGRAL BASE AT ALL RS01 LOCATION
CONTACT NAME: CHRISTOPHER CAPOBIANCO
CONTACT PHONE: 631-275-6494
CONTACT EMAIL: CHRISTOPHER@SPARTANSURFACES.COM

IB02

09 65 16 INTEGRAL RESILIENT WALL BASE
DESCRIPTION: HOMOGENOUS RESILIENT FLOORING
MANUFACTURER: POLYFLOR
MODEL NAME: PALETTONE PUR
SIZE: 20 METER ROLL
COLOR NAME: PRIMED CANVAS
COLOR NUMBER: 8654
THICKNESS: 2MM
LOCATION: REFER TO FINISH PLANS
INSTALLATION: HEAT WELDED
NOTE: 4"H BASE AT ALL RS02 LOCATIONS
CONTACT NAME: CHRISTOPHER CAPOBIANCO
CONTACT PHONE: 631-275-6494
CONTACT EMAIL: CHRISTOPHER@SPARTANSURFACES.COM

IB03

09 65 16 INTEGRAL RESILIENT WALL BASE
DESCRIPTION: HOMOGENOUS RESILIENT FLOORING
MANUFACTURER: POLYFLOR
MODEL NAME: PALETTONE PUR
SIZE: 20 METER ROLL
COLOR NAME: GARDEN SAGE
COLOR NUMBER: 8643
THICKNESS: 2MM
LOCATION: REFER TO FINISH PLANS
INSTALLATION: HEAT WELDED
NOTE: 4"H BASE AT ALL RS03 LOCATIONS
CONTACT NAME: CHRISTOPHER CAPOBIANCO
CONTACT PHONE: 631-275-6494
CONTACT EMAIL: CHRISTOPHER@SPARTANSURFACES.COM

PLASTIC LAMINATE (PL##)

PL01

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
DESCRIPTION: WOOD LOOK
MANUFACTURER: WILSONART
MODEL NAME: HPL
MODEL NUMBER: 15602-31
COLOR NAME: ACORN VELVET ELM
FINISH: TRACELESS FINISH
LOCATION: SEE ELEVATIONS AND RCP FOR LOCATIONS
CONTACT NAME: KYLE SUPLEY
CONTACT PHONE: 347-403-3031
CONTACT EMAIL: KYLE.SUPLEY@WILSONART.COM

PL02

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
DESCRIPTION: SOLID COLOR HPL
MANUFACTURER: LAMITECH
COLOR NAME: BLEEN
COLOR NUMBER: 2224
LOCATION: NURSE STATION FRONT
CONTACT NAME: DENISE MARCIANO
CONTACT PHONE: 908-301-0600
CONTACT EMAIL: SALES@DECOTONESURFACES.COM

PL03

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
DESCRIPTION: SOLID COLOR HPL
MANUFACTURER: FORMICA
MODEL NAME: COLOR CORE 2
MODEL NUMBER: 7223
COLOR NAME: NEW WHITE
COLOR NUMBER: 2224
FINISH: MATTE
LOCATION: NURSE STATION DESK
CONTACT NAME: KATHLEEN SCHIELKE
CONTACT PHONE: 646-302-5540
CONTACT EMAIL: KATHLEEN.SCHIELKE@FORMICA.COM

WALL AND DOOR PROTECTION (PR##)

PR01

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: ACROVYN PANEL
MANUFACTURER: CONSTRUCTION SPECIALITIES
COLOR NAME: FOG
COLOR NUMBER: 265
THICKNESS: 0.60"
LOCATION: PRIVATE TREATMENT ROOMS, OPEN BAYS
NOTE: PARTIAL HEIGHT (4' @ PRIVATE TREATMENT BAYS, 46" AT OPEN BAYS); COORDINATE WITH ADJACENT DEVICES AND EQUIPMENT, U.O.N. INCLUDE FLAT ALUMINUM TOP CAPS, INSIDE AND OUTSIDE CORNERS, AND BUTT JOINTS AS REQUIRED. SEE FINISH PLANS FOR LOCATIONS. REFER TO ELEVATIONS FOR HEIGHTS.
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR02

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: ACROVYN PANEL
MANUFACTURER: CONSTRUCTION SPECIALITIES
COLOR NAME: UNDERSEAS
COLOR NUMBER: 324
THICKNESS: 0.60"
LOCATION: NURSE'S STATION
NOTE: 8"H. INSTALL PR02 BASE TO BE FLUSHED WITH PLASTIC LAMINATE PANEL ABOVE. SEE FINISH PLAN FOR LOCATIONS, REFER TO ELEVATIONS FOR HEIGHTS.
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR03

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: CRASH RAIL + WALL BUMPERS
MANUFACTURER: CONSTRUCTION SPECIALITIES
MODEL NAME: SCR-F SERIES
MODEL NUMBER: SCR-40
COLOR NAME: FOG
COLOR NUMBER: 265
FINISH: ACROVYN
THICKNESS: 4"H, 0.75" WALL OFFSET
LOCATION: REFER TO FINISH PLAN
INSTALLATION: SURFACE MOUNT OPTION
NOTE: INSTALL 4" AWAY FROM WALL CORNERS; 2" AWAY FROM EDGE OF CORNER GUARDS AND DOOR FRAMES; REFER TO ELEVATIONS FOR MOUNTING HEIGHTS
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR04

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: ACROVYN FLUSH MOUNTED CORNER GUARD
MANUFACTURER: CONSTRUCTION SPECIALITIES
MODEL NAME: SFS-20 CORNER GUARDS
COLOR NAME: 949 WHITE
COLOR NUMBER: 265
FINISH: ACROVYN
THICKNESS: 0.78"
LOCATION: REFER TO FINISH PLAN
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR05

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: ACROVYN FLUSH MOUNTED END GUARD
MANUFACTURER: CONSTRUCTION SPECIALITIES
MODEL NAME: FSC SERIES
MODEL NUMBER: FSC-25
SIZE: 2" WING SIZE
COLOR NAME: WHITE
COLOR NUMBER: 949
FINISH: ACROVYN
THICKNESS: 0.60"
LOCATION: REFER TO FINISH PLAN
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR06

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: ACROVYN FLUSH MOUNTED END GUARD
MANUFACTURER: INPRO CORP.
MODEL NAME: BED LOCATOR
MODEL NUMBER: 6000
COLOR NAME: WHITE
COLOR NUMBER: 949
FINISH: ACROVYN
THICKNESS: 0.60"
LOCATION: REFER TO FINISH PLAN
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

INTERIOR PAINTING (PT##)

PT01

09 91 23 INTERIOR PAINTING
MANUFACTURER: BENJAMIN MOORE
COLOR NAME: CHANTILLY LACE
COLOR NUMBER: OC-65
FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES, FLAT ON CEILINGS AND EGGSHELL ON WALLS
LOCATION: GENERAL PAINT
CONTACT NAME: BRIAN JAVIER PEREZ
CONTACT PHONE: 347501-0479
CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM

PT02

09 91 23 INTERIOR PAINTING
MANUFACTURER: BENJAMIN MOORE
COLOR NAME: SILVER FOX
COLOR NUMBER: 2108-50
FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES, FLAT ON CEILINGS AND EGGSHELL ON WALLS
LOCATION: AREAS WITH WC02
CONTACT NAME: BRIAN JAVIER PEREZ
CONTACT PHONE: 347501-0479
CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM

PT03

09 91 23 INTERIOR PAINTING
MANUFACTURER: BENJAMIN MOORE
COLOR NAME: REFER TO FACILITIES FOR MORE INFORMATION
FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES, FLAT ON CEILINGS AND EGGSHELL ON WALLS
LOCATION: FIRE HOSE CONNECTION AND FIRE EXTINGUISHER CABINET
CONTACT NAME: BRIAN JAVIER PEREZ
CONTACT PHONE: 347501-0479
CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM

PT04

09 91 23 INTERIOR PAINTING
MANUFACTURER: BENJAMIN MOORE
COLOR NAME: REFER TO FACILITIES FOR MORE INFORMATION
FINISH: SEMI-GLOSS ON METAL TRIMS, DOORS AND FRAMES, FLAT ON CEILINGS AND EGGSHELL ON WALLS
LOCATION: MEDICAL GAS
CONTACT NAME: BRIAN JAVIER PEREZ
CONTACT PHONE: 347501-0479
CONTACT EMAIL: BRIAN.PEREZ@BENJAMINMOORE.COM

RESILIENT SHEET FLOORING (RS##)

RS01

09 65 16 RESILIENT SHEET FLOORING
DESCRIPTION: HOMOGENOUS RESILIENT FLOORING
MANUFACTURER: POLYFLOR
MODEL NAME: PALETTONE PUR
SIZE: 20 METER ROLL
COLOR NAME: URBAN AIR
COLOR NUMBER: 8605
THICKNESS: 2MM
LOCATION: REFER TO FINISH PLANS
INSTALLATION: HEAT WELDED
NOTE: - PROVIDE SHOP DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION BASED ON FIELD MEASUREMENTS.
- GC TO COORDINATE LAYOUT REVIEW IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
-PREP WORK MUST FOLLOW MANUFACTURER'S RECOMMENDATION.
-DRYWALL MUST GO TO THE FLOOR WITHOUT ANY GAPS.
-INCLUDE COVE FORMER FROM THE SAME MANUFACTURER TO INSTALL INTEGRAL BASE.
CONTACT NAME: CHRISTOPHER CAPOBIANCO
CONTACT PHONE: 631-275-6494
CONTACT EMAIL: CHRISTOPHER@SPARTANSURFACES.COM

RS02

09 65 16 RESILIENT SHEET FLOORING
DESCRIPTION: HOMOGENOUS RESILIENT FLOORING
MANUFACTURER: POLYFLOR
MODEL NAME: PALETTONE PUR
SIZE: 20 METER ROLL
COLOR NAME: PRIMED CANVAS
COLOR NUMBER: 8654
THICKNESS: 2MM
LOCATION: REFER TO FINISH PLANS
INSTALLATION: HEAT WELDED
NOTE: - PROVIDE SHOP DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION BASED ON FIELD MEASUREMENTS.
- GC TO COORDINATE LAYOUT REVIEW IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
-PREP WORK MUST FOLLOW MANUFACTURER'S RECOMMENDATION.
-DRYWALL MUST GO TO THE FLOOR WITHOUT ANY GAPS.
-INCLUDE COVE FORMER FROM THE SAME MANUFACTURER TO INSTALL INTEGRAL BASE.
CONTACT NAME: CHRISTOPHER CAPOBIANCO
CONTACT PHONE: 631-275-6494
CONTACT EMAIL: CHRISTOPHER@SPARTANSURFACES.COM

RS03

09 65 16 RESILIENT SHEET FLOORING
DESCRIPTION: HOMOGENOUS RESILIENT FLOORING
MANUFACTURER: POLYFLOR
MODEL NAME: PALETTONE PUR
SIZE: 20 METER ROLL
COLOR NAME: GARDEN SAGE
COLOR NUMBER: 8643
THICKNESS: 2MM
LOCATION: REFER TO FINISH PLANS
INSTALLATION: HEAT WELDED
NOTE: - PROVIDE SHOP DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION BASED ON FIELD MEASUREMENTS.
- GC TO COORDINATE LAYOUT REVIEW IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
-PREP WORK MUST FOLLOW MANUFACTURER'S RECOMMENDATION.
-DRYWALL MUST GO TO THE FLOOR WITHOUT ANY GAPS.
-INCLUDE COVE FORMER FROM THE SAME MANUFACTURER TO INSTALL INTEGRAL BASE.
CONTACT NAME: CHRISTOPHER CAPOBIANCO
CONTACT PHONE: 631-275-6494
CONTACT EMAIL: CHRISTOPHER@SPARTANSURFACES.COM

SOLID SURFACING (SO##)

SO01

06 40 23 SOLID SURFACING, INTERIOR ARCHITECTURAL WOODWORK
MANUFACTURER: FORMICA
COLOR NAME: BIANCO TERRAZZO
COLOR NUMBER: 742
THICKNESS: 0.48"
LOCATION: REFER TO ELEVATIONS
CONTACT NAME: KATHLEEN SCHIELKE
CONTACT PHONE: 646-302-5540
CONTACT EMAIL: KATHLEEN.SCHIELKE@FORMICA.COM

TILING (TL##)

TL01

09 30 00 TILING
DESCRIPTION: CERAMIC WALL TILE
MANUFACTURER: NEMO TILE
COLOR NAME: WHITE MATTE
GROUT: MAPEI OR LATICRETE; GROUT SIDE TO BE 1/16" OR SMALLEST PER MANUFACTURER'S RECOMMENTATION.
TILE SIZE: 4" X 12", INSTALL IN VERTICALLY STACKED PATTERN
MATRIX: METRO
LOCATION: TOILET WALLS
NOTE: PROVIDE SCHLUTER, QUADEC AT OUTSIDE CORNERS AND JOLLY AT EXPOSED EDGES IN STAINLESS STEEL FINISH
CONTACT NAME: CARA PALUMBO
CONTACT PHONE: 929-233-8393
CONTACT EMAIL: CPALUMBO@NEMOTILE.COM

TL02

09 30 00 TILING
DESCRIPTION: CERAMIC WALL TILE
MANUFACTURER: NEMO TILE
MODEL NAME: CANDENCE
COLOR NAME: JADE
FINISH: MATTE
GROUT: MAPEI OR LATICRETE; GROUT SIDE TO BE 1/16" OR SMALLEST PER MANUFACTURER'S RECOMMENTATION.
TILE SIZE: 2.5" X 8", INSTALL IN VERTICALLY STACKED PATTERN
LOCATION: TOILET WALLS ACCENT TILE, REFER TO ELEVATIONS
NOTE: PROVIDE SCHLUTER, QUADEC AT OUTSIDE CORNERS AND JOLLY AT EXPOSED EDGES IN STAINLESS STEEL FINISH
CONTACT NAME: CARA PALUMBO
CONTACT PHONE: 929-233-8393
CONTACT EMAIL: CPALUMBO@NEMOTILE.COM

TL03

09 30 00 TILING
DESCRIPTION: PORCELAIN FLOOR TILE
MANUFACTURER: NEMO TILE
MODEL NAME: REACTION
COLOR NAME: FROST TERRA
FINISH: MATTE
GROUT: MAPEI OR LATICRETE; GROUT SIDE TO BE 1/16" OR SMALLEST PER MANUFACTURER'S RECOMMENTATION.
TILE SIZE: 12"X24", INSTALL IN STACKED PATTERN
LOCATION: TOILET FLOOR TILE, REFER TO FINISH PLANS
CONTACT NAME: CARA PALUMBO
CONTACT PHONE: 929-233-8393
CONTACT EMAIL: CPALUMBO@NEMOTILE.COM

TL04

09 30 00 TILING
DESCRIPTION: CERAMIC WALL TILE
MANUFACTURER: NEMO TILE
MODEL NAME: BASIX
COLOR NAME: WHITE
FINISH: MATTE
GROUT: MAPEI OR LATICRETE; GROUT SIDE TO BE 1/16" OR SMALLEST PER MANUFACTURER'S RECOMMENTATION.
TILE SIZE: 2"X 8", INSTALL IN HORIZONTALLY STACKED PATTERN
LOCATION: BACKSPLASH TILE; REFER TO ELEVATIONS
CONTACT NAME: CARA PALUMBO
CONTACT PHONE: 929-233-8393
CONTACT EMAIL: CPALUMBO@NEMOTILE.COM

TILE BASE (TB##)

TB01

09 30 00 TILING
DESCRIPTION: PORCELAIN WALL TILE
MANUFACTURER: NEMO TILE
MODEL NAME: REACTION
TYPE: SKIRTING BULLNOSE
COLOR NAME: FROST TERRA
FINISH: MATTE
TILE SIZE: 3" X 24", ALIGN SEAMS WITH FLOOR TILE
LOCATION: TOILET FLOOR TILE, REFER TO FINISH PLANS
CONTACT NAME: CARA PALUMBO
CONTACT PHONE: 929-233-8393
CONTACT EMAIL: CPALUMBO@NEMOTILE.COM

FABRIC WRAPPED PANEL (FP##)

FP01

09 77 23 FABRIC WRAPPED PANEL
MANUFACTURER: CARNEGIE
MODEL NAME: XOREL TWINE
MODEL NUMBER: 6217
COLOR NUMBER: 30
LOCATION: @NURSE STATION & RECEPTION DESK
CONTACT NAME: SUSAN BARRICELLI
CONTACT PHONE: 917-579-2697
CONTACT EMAIL: SBARRICELLI@CARNEGIEFABRICS.COM

WALLCOVERING (WC##)

WC01

09 72 00 WALLCOVERING
DESCRIPTION: TYPE 2 WALLCOVERING
MANUFACTURER: MOMENTUM
MODEL NAME: CAPE TOWN
COLOR NAME: SIGNAL HILL
COLOR NUMBER: AVF02-186
LOCATION: @ RECEPTION/WAITING AREA; REFER TO FINISH PLANS
REPEAT: 54"
CONTACT NAME: LISA BRESSLER
CONTACT EMAIL: LBRESSLER@MOMTEX.COM

WC02

09 72 00 WALLCOVERING
DESCRIPTION: TYPE 2 WALLCOVERING
MANUFACTURER: MOMENTUM
MODEL NAME: CAPE TOWN
COLOR NAME: CITY BOWL
COLOR NUMBER: AVF02-186
LOCATION: @ CORRIDOR; REFERT TO FINISH PLAN AND ELEVATIONS FOR EXTENTS
REPEAT: 54"
CONTACT NAME: LISA BRESSLER
CONTACT EMAIL: LBRESSLER@MOMTEX.COM

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	08.04.2023	ISSUE FOR CLIENT REVIEW
	08.25.2023	DCA SUBMISSION
	09.22.2023	ISSUE FOR BID
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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FINISH SCHEDULE

Scale

A-030

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FINISH SCHEDULE ALTERNATES

DECORATIVE METAL (MT##)

MT03

05 70 00 DECORATIVE METAL FINISHES
DESCRIPTION: ALUMINUM
COLOR NAME: CLEAR
FINISH: CLEAR ANODIZED
LOCATION: AT PL04_A
NOTE: 45 DEGREE TRIM CAP

RESILIENT WALL BASE AND ACCESSORIES (RB##)

RB01_A

09 65 16 RESILIENT WALL BASE AND ACCESSORIES
DESCRIPTION: RUBBER BASE
MANUFACTURER: TARKETT
MODEL NAME: 4" COVE BASE
COLOR NAME: GREY HAZE WG
COLOR NUMBER: 24
LOCATION: REFER TO FINISH PLAN
CONTACT NAME: ROBERT ROSSELLI
CONTACT PHONE: 973-886-1545
CONTACT EMAIL: ROBERT.ROSSELLI@TARKETT.COM

PLASTIC LAMINATE (PL##)

PL04_A

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
DESCRIPTION: WOOD LOOK
MANUFACTURER: WILSONART
MODEL NAME: COMPACT LAMINATE
MODEL NUMBER: 15602-31 - 568
COLOR NAME: ACORN VELVET ELM
THICKNESS: 1/2"
LOCATION: PATIENT ROOM HEAT WALL
INSTALLATION: 6'-0" A.F.F.
CONTACT NAME: KYLE SUPLEY
CONTACT PHONE: 347-403-3031
CONTACT EMAIL: KYLE.SUPLEY@WILSONART.COM

PL05_A

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
DESCRIPTION: WOOD LOOK
MANUFACTURER: WILSONART
MODEL NAME: COMPACT LAMINATE
MODEL NUMBER: 15509-31
COLOR NAME: PORCELAIN VELVET
THICKNESS: 1/2"
LOCATION: PATIENT ROOMS, CORRIDORS
CONTACT NAME: KYLE SUPLEY
CONTACT PHONE: 347-403-3031
CONTACT EMAIL: KYLE.SUPLEY@WILSONART.COM

PL06_A

06 40 23 INTERIOR ARCHITECTURAL WOODWORK
DESCRIPTION: WOOD LOOK
MANUFACTURER: WILSONART
MODEL NAME: HPL
MODEL NUMBER: 15509-31
COLOR NAME: PORCELAIN VELVET
FINISH: TRACELESS
LOCATION: INSIDE OF NURSE STATIONS
CONTACT NAME: KYLE SUPLEY
CONTACT PHONE: 347-403-3031
CONTACT EMAIL: KYLE.SUPLEY@WILSONART.COM

WALL AND DOOR PROTECTION (PR##)

PR07_A

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: CRASH RAIL + HAND RAIL
MANUFACTURER: CONSTRUCTION SPECIALITIES
MODEL NAME: PLATFORM HANDRAILS
MODEL NUMBER: P-RSS
FINISH: STAINLESS STEEL
THICKNESS: 4"H, 3" WALL OFFSET
LOCATION: REFER TO FINISH PLAN
INSTALLATION: SURFACE MOUNT OPTION
NOTE: INSTALL 4" AWAY FROM WALL CORNERS; 2" AWAY FROM EDGE OF CORNER GUARDS AND DOOR FRAMES; REFER TO ELEVATIONS FOR MOUNTING HEIGHTS
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR08_A

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: SURFACE MOUNT STAINLESS STELL CORNER GUARD
MANUFACTURER: INPRO CORP.
MODEL NAME: CORNER GUARDS
SIZE: 2" WING
FINISH: STAINLESS STEEL
LOCATION: REFER TO FINISH PLAN
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

PR09_A

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: SURFACE MOUNT STAINLESS STELL END GUARD
MANUFACTURER: INPRO CORP.
SIZE: 2" WING SIZE
FINISH: STAINLESS STEEL
LOCATION: REFER TO FINISH PLAN
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

WALL AND DOOR PROTECTION (PR##)

PR10_A

10 26 00 WALL AND DOOR PROTECTION
DESCRIPTION: WALL BUMPERS
MANUFACTURER: CONSTRUCTION SPECIALITIES
MODEL NAME: SCR-F SERIES
MODEL NUMBER: BCR-40
COLOR NAME: FOG
COLOR NUMBER: 265
FINISH: ACROVYN
THICKNESS: 4"H, 0.75" WALL OFFSET
LOCATION: REFER TO FINISH PLAN
INSTALLATION: SURFACE MOUNT OPTION
NOTE: INSTALL 4" AWAY FROM WALL CORNERS; 2" AWAY FROM EDGE OF CORNER GUARDS AND DOOR FRAMES; REFER TO ELEVATIONS FOR MOUNTING HEIGHTS
CONTACT NAME: MINZEL HIGGINS
CONTACT PHONE: 516-385-0812
CONTACT EMAIL: MINZEL@GCBUILDING.NET

SOLID SURFACING (SO##)

SO02_A

06 40 23 SOLID SURFACING, INTERIOR ARCHITECTURAL WOODWORK
MANUFACTURER: KRION
MODEL NAME: COLORS + SERIES
COLOR NAME: SAGE
COLOR NUMBER: 6602 G3
THICKNESS: 1/4"
LOCATION: @NURSE STATION
CONTACT NAME: MARISA BORDONARO
CONTACT PHONE: 347-843-3117
CONTACT EMAIL: MBORDONARO@PORCELANOSA-USA.COM

SO03_A

06 40 23 SOLID SURFACING, INTERIOR ARCHITECTURAL WOODWORK
MANUFACTURER: HI-MACS
COLOR NAME: AURORA BLANC
COLOR NUMBER: M617
THICKNESS: 1/4"
LOCATION: TOILET WALLS
CONTACT NAME: MICHAEL STARK
CONTACT PHONE: 917-900-7706
CONTACT EMAIL: MSTARK@LGHAUSYS.COM

RESINOUS MATRIX TERRAZZO (TZ##)

FA01_A

09 67 23 RESINOUS FLOORING
MANUFACTURER: STONHARD
MODEL NAME: STONRES
MODEL NUMBER: RTZ2
COLOR NAME: STONHENGE LUCENT
THICKNESS: 3/16"
LOCATION: TOILET FLOORS
CONTACT NAME: ED THOMPSON
CONTACT PHONE: 917-407-3407
CONTACT EMAIL: ETHOMPSON@STONHARD.COM

FA02_A

09 67 23 RESINOUS FLOORING
MANUFACTURER: DUDICK
COLOR NAME: CUSTOM: BASE COLOR TO MATCH BENJAMIN MOORE HC-169 WITH SF-03-16 FLAKES. 15-20% CHIP DENSITY
THICKNESS: 3/16"
LOCATION: TOILET FLOORS
CONTACT NAME: MICHAEL STARK
CONTACT PHONE: 917-900-7706
CONTACT EMAIL: MSTARK@LGHAUSYS.COM

INTEGRAL BASE (TB##)

IB04_A

09 67 23 INTEGRAL RESINOUS BASE
MANUFACTURER: STONHARD
MODEL NAME: STONRES
MODEL NUMBER: RTZ2
COLOR NAME: STONHENGE LUCENT
THICKNESS: 3/16"
LOCATION: TOILET FLOORS
NOTE: 4"H INTEGRAL BASE
CONTACT NAME: ED THOMPSON
CONTACT PHONE: 917-407-3407
CONTACT EMAIL: ETHOMPSON@STONHARD.COM

IB05_A

09 67 23 INTEGRAL RESINOUS BASE
MANUFACTURER: DUDICK
COLOR NAME: CUSTOM: BASE COLOR TO MATCH BENJAMIN MOORE HC-169 WITH SF-03-16 FLAKES. 15-20% CHIP DENSITY
THICKNESS: 3/16"
LOCATION: TOILET FLOORS
NOTE: 4" HIGH INTEGRAL BASE
CONTACT NAME: MICHAEL STARK
CONTACT PHONE: 917-900-7706
CONTACT EMAIL: MSTARK@LGHAUSYS.COM

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Project Number
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Description
FINISH SCHEDULE ALTERNATES

Scale

A-030.1

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PLUMBING FIXTURE SCHEDULE (REFER TO PLUMBING DRAWINGS)

TYPE	PLUMBING DRAWING TAG	DESCRIPTION	MANUFACTURER	MODEL	FURNISH & INSTALL	COMMENTS
PF-01	WC-1	WATER CLOSET	AMERCIAN STANDARD	AFWALL FLOWISE 3351.001	CFCI	COLOR: WHITE; PROVIDE 5905.100 EXTRA HEAVY DUTY OPEN FRONT LESS COVER SEAT
PF-02	SK-2	LAVATORY	CORIAN	INTEGRAL SINK 815P	CFCI	COLOR: GLACIER WHITE
PF-03	-	FAUCET	SLOAN	EAF-250	CFCI	FINISH: CHROME
PF-04	WC-2	BARIATRIC WATER CLOSET	WILLOUGHBY INDUSTRIES	BETWS-1490-FM-FA	CFCI	COLOR: WHITE
PF-05	LAV-2	BARIATRIC LAVATORY	WILLOUGHBY INDUSTRIES	BHS-3123	CFCI	COLOR: GLACIER WHITE & WHITE WHITE FOR THE SIDE PANELS
PF-06	CSS-1	CLINICAL SINK	AMERICAN STANDARD	9512999.020	CFCI	COLOR: WHITE
PF-07	SK-1	SINGLE BOWL SINK	ELKAY	LRAD221955	CFCI	FINISH: STAINLESS STEEL; PROVIDE LK99 DRAIN
PF-08	-	FAUCET	ELKAY	LKB721C	CFCI	FINISH: CHROME
PF-09	-	EYE/FACE WASH, DECK MOUNTED	GUARDIAN EQUIPMENT	G1779	CFCI	PROVIDE G6020 THERMOSTATIC MIXING VALVE
PF-10	-	FAUCET	ELKAY	LK810GN04L2	CFCI	FINISH: CHROME
PF-11	SK-3	SINGLE BOWL UNDERMOUNT SINK	ELKAY	ELUH231710	CFCI	FINISH: STAINLESS STEEL; PROVIDE LK99 DRAIN
PF-12A	MS-1	MOP SINK	FIAT	MSB-2424	CFCI	PROVIDE ACCESSORIES; FINISH: 501 GREY PORTLAND CEMENT WITH WHITE CHIPS
PF-12B	-	MOP FAUCET	FIAT	830AA	CFCI	FINISH: POLISHED CHROME
PF-13	SH-1	SHOWER FLOOR TRAY	FIAT	WTR-4990	CFCI	PROVIDE 51340075000 VANDAL PROOF DRAIN ASSEMBLY; FINISH: 081 WHITE PORTLAND CEMENT WITH BLACK AND WHITE CHIPS
PF-14	-	SHOWER HEAD,SPOUT, AND CONTROLS	SYMMONS INDUSTRIES, INC.	3605-H321-V-TRM	CFCI	FINISH: POLISHED CHROME
PF-15	-	CLINICAL WALL MOUNT FAUCET	AMERICAN STANDARD	8345.115	CFCI	FINISH: POLISHED CHROME
PF-16	-	CLINICAL FLUSHOMETER	SLOAN	REGAL BPW 1100-1.6	CFCI	FINISH: POLISHED CHROME

THIS SCHEDULE IS FOR REFERENCE ONLY. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION. SCHEDULE TO BE DETERMINED AND REVIEWED BY OWNER PRIOR TO FURNISH & INSTALLATION.

TOILET ACCESSORY SCHEDULE (REFER TO MEDICAL EQUIPMENT LIST)

MARK	MEDICAL EQUIPMENT LIST TAG	DESCRIPTION	MANUFACTURER	MODEL	FURNISH & INSTALL	COMMENTS
TA-01	CSW-SWM	ADA SHOWER SEAT	PBA	4CS.447.UL01	CFCI	WHITE; PROVIDE BLOCKING AS REQUIRED
TA-02	DSP-TLP	DISPENSER, TOILET PAPER	KIMBERLY-CLARK	09606	OFCI	STAINLESS STEEL; SURFACE MOUNTED
TA-03	DSP-STN	DISPOSAL, SANITARY NAPKIN	BOBRICK	B-35139	CFCI	STAINLESS STEEL; SURFACE MOUNTED
TA-04	DSP-TSC	DISPENSER, TOILET SEAT COVER	KIMBERLY-CLARK	09512	OFCI	STAINLESS STEEL, SURFACE MOUNTED
TA-05	BAR-G36	1.5"D STAINLESS STEEL GRAB BAR WITH SNAP FLANGE 36"	BOBRICK	B-6806-36	CFCI	PROVIDE BLOCKING AS NEEDED
TA-06	BAR-G42	1.5"D STAINLESS STEEL GRAB BAR WITH SNAP FLANGE 42"	BOBRICK	B-6806-42	CFCI	PROVIDE BLOCKING AS NEEDED
TA-07A	BAR-G18	1.5"D STAINLESS STEEL GRAB BAR WITH SNAP FLANGE 18"	BOBRICK	B-6806-18	CFCI	PROVIDE BLOCKING AS NEEDED
TA-07B	BAR-G18P	1.5"D PEENED GRAB BAR WITH SNAP FLANGE 18"	BOBRICK	B-6806-18.99	CFCI	PEENED SURFACE. PROVIDE BLOCKING AS NEEDED.
TA-08	BAR-GTW	1.5"D PEENED TWO WALL SHOWER GRAB BAR WITH SNAP FLANGE	BOBRICK	B-6861.99	CFCI	PEENED SURFACE. PROVIDE BLOCKING AS NEEDED.
TA-09A	DSP-PTS	DISPENSER, PAPER TOWEL	KIMBERLY-CLARK	09216	OFCI	STAINLESS STEEL; SURFACE MOUNTED
TA-09B	DSP-PTS	DISPENSER, PAPER TOWEL	KIMBERLY-CLARK	09216	OFCI	STAINLESS STEEL; SURFACE MOUNTED
TA-10	DSP-SPG	SOAP DISPENSER	GOJO INDUSTRIES	5160-06	OFCI	GRAPHITE
TA-11	HOK-COT	COAT HOOK	BOBRICK	B-9542	CFCI	STAINLESS STEEL; PROVIDING BLOCKING AS NEEDED
TA-12	MIR-V24	MIRROR	BOBRICK	B-166 2448	CFCI	STAINLESS STEEL; PROVIDING BLOCKING AS NEEDED
TA-13	BAR-SWU	STAINLESS STEEL SWING UP GRAB BAR	BOBRICK	B-4998	CFCI	STAINLESS STEEL; PROVIDING BLOCKING AS NEEDED
TA-14	TBL-CGR	BABY CHANGING STATION	KOALA KARE	KB310-SSRE	CFCI	STAINLESS STEEL, RECESSED ACCESSORY, COORDINATE WITH PARTITION TYPE

THIS SCHEDULE IS FOR REFERENCE ONLY. REFER TO MEDICAL EQUIPMENT LIST FOR MORE INFORMATION. SCHEDULE TO BE DETERMINED AND REVIEWED BY OWNER PRIOR TO FURNISH & INSTALLATION.

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Project Name
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Project Number
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Description
SCHEDULES

Scale

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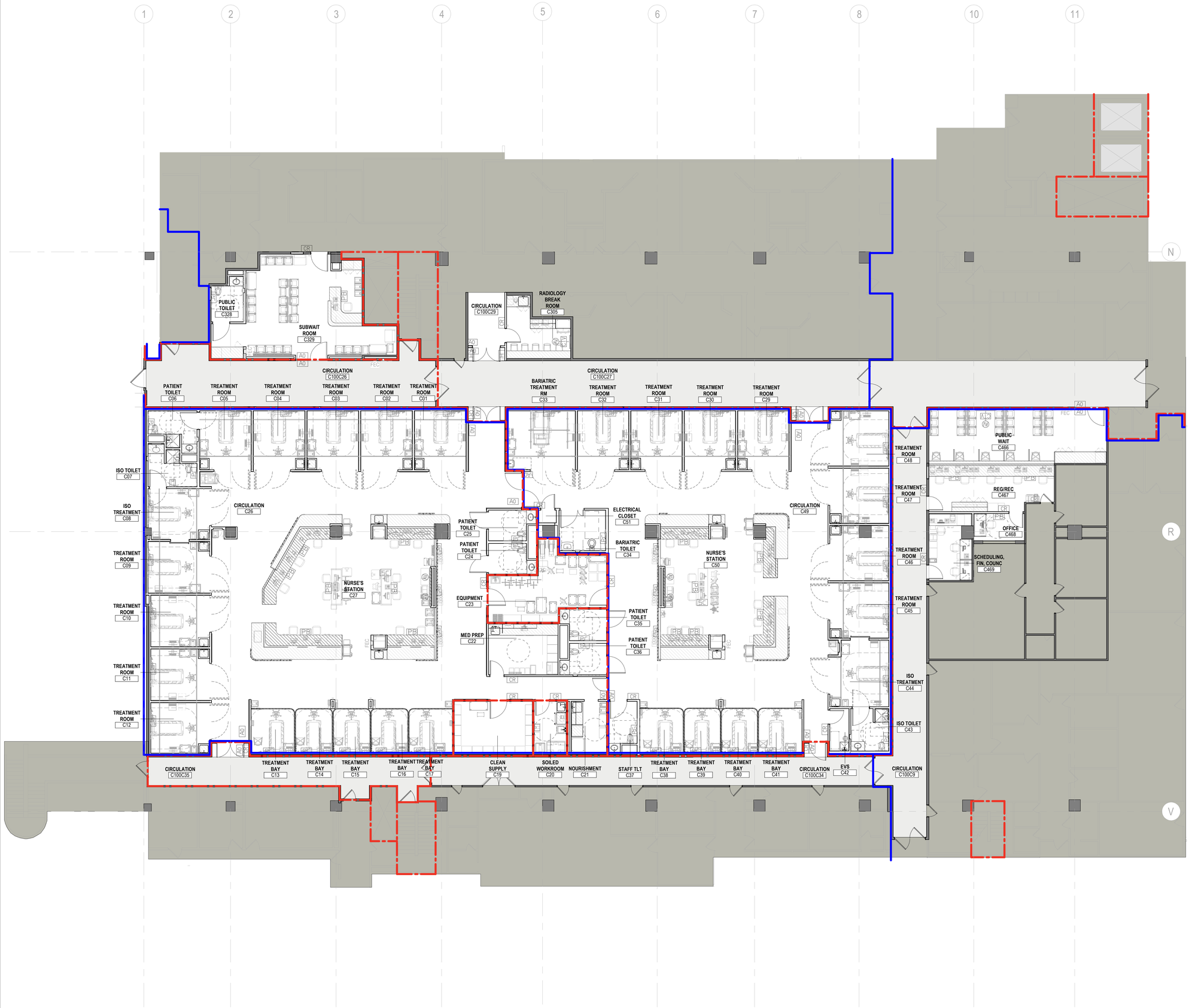

1 CONSTRUCTION PLAN - LEVEL C - PHASE COMPLETE

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. REFER TO A-010 & A-011 FOR PARTITION TYPES AND DETAILS.
D. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED.
E. ALL PARTITIONS ARE A3F UNLESS OTHERWISE NOTED.
F. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF FURNITURE, MILLWORK, CASEWORK, MEDICAL EQUIPMENT, ACCESSORIES, AND AV/IT EQUIPMENT. COORDINATE WITH MEDICAL EQUIPMENT LISTS FOR MORE INFORMATION. COORDINATE WITH FURNITURE VENDOR FOR MORE INFORMATION.
G. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF ANY OWNER FURNISHED ARTWORK OR ACCESSORIES.
H. LEVEL FLOOR SLAB AFTER TRENCHING AND DEMOLITION AND PRIOR TO CONSTRUCTION AND NEW FINISHES.
I. HINGE FACE OF ALL DOOR OPENINGS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
J. PRIOR TO FINAL LAYOUT OF WALLS, CONFIRM WITH ARCHITECT AND OWNER ANY DISCREPANCIES IN THE FIELD.
K. AT EXISTING COLUMNS, FURR OUT WALLS WITH G1A PARTITION TYPE. REFER TO A-010 FOR MORE INFORMATION.
L. AT EXISTING WALLS, GC TO COORDINATE DEMOLITION AND REPLACEMENT OF EXISTING GYPSUM BOARD WITH G1A PARTITIONS. GC TO COORDINATE EXISTING PARTITIONS WITH NEW FINISHES, DEVICES, EQUIPMENT AND MEP. REFER TO MEP DRAWINGS FOR MORE INFORMATION.

SHEET NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
CONSTRUCTION LVL C

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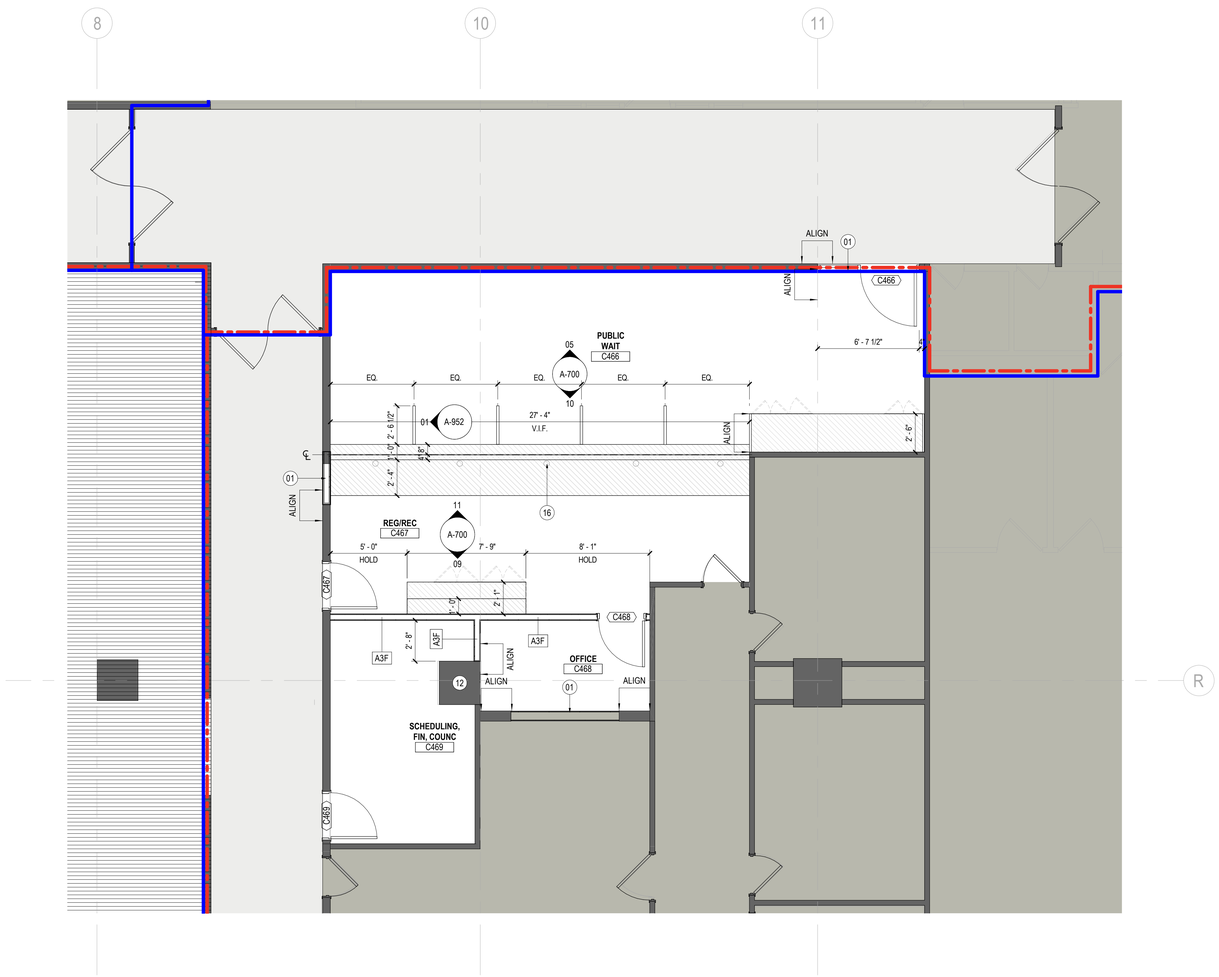

1 CONSTRUCTION PLAN - PHASE 0 - RADIOLOGY
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. REFER TO A-010 & A-011 FOR PARTITION TYPES AND DETAILS.
D. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED.
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G. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF ANY OWNER FURNISHED ARTWORK OR ACCESSORIES.
H. LEVEL FLOOR SLAB AFTER TRENCHING AND DEMOLITION AND PRIOR TO CONSTRUCTION AND NEW FINISHES.
I. HINGE FACE OF ALL DOOR OPENINGS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
J. PRIOR TO FINAL LAYOUT OF WALLS, CONFIRM WITH ARCHITECT AND OWNER ANY DISCREPANCIES IN THE FIELD.
K. AT EXISTING COLUMNS, FURR OUT WALLS WITH G1A PARTITION TYPE. REFER TO A-010 FOR MORE INFORMATION.
L. AT EXISTING WALLS, GC TO COORDINATE DEMOLITION AND REPLACEMENT OF EXISTING GYPSUM BOARD WITH G1A PARTITIONS. GC TO COORDINATE EXISTING PARTITIONS WITH NEW FINISHES, DEVICES, EQUIPMENT AND MEP. REFER TO MEP DRAWINGS FOR MORE INFORMATION.

SHEET NOTES

01 INFILL WALL TO MATCH ADJACENT CONSTRUCTION. V.I.F.
12 PROVIDE (1) LAYER OF GYPSUM BOARD AT EXPOSED CONCRETE COLUMNS, UNLESS OTHERWISE NOTED BY WALL TAG.
16 COORDINATE GROMMET LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. LOCATIONS SHOWN FOR REFERENCE.

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Project Name
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Project Number
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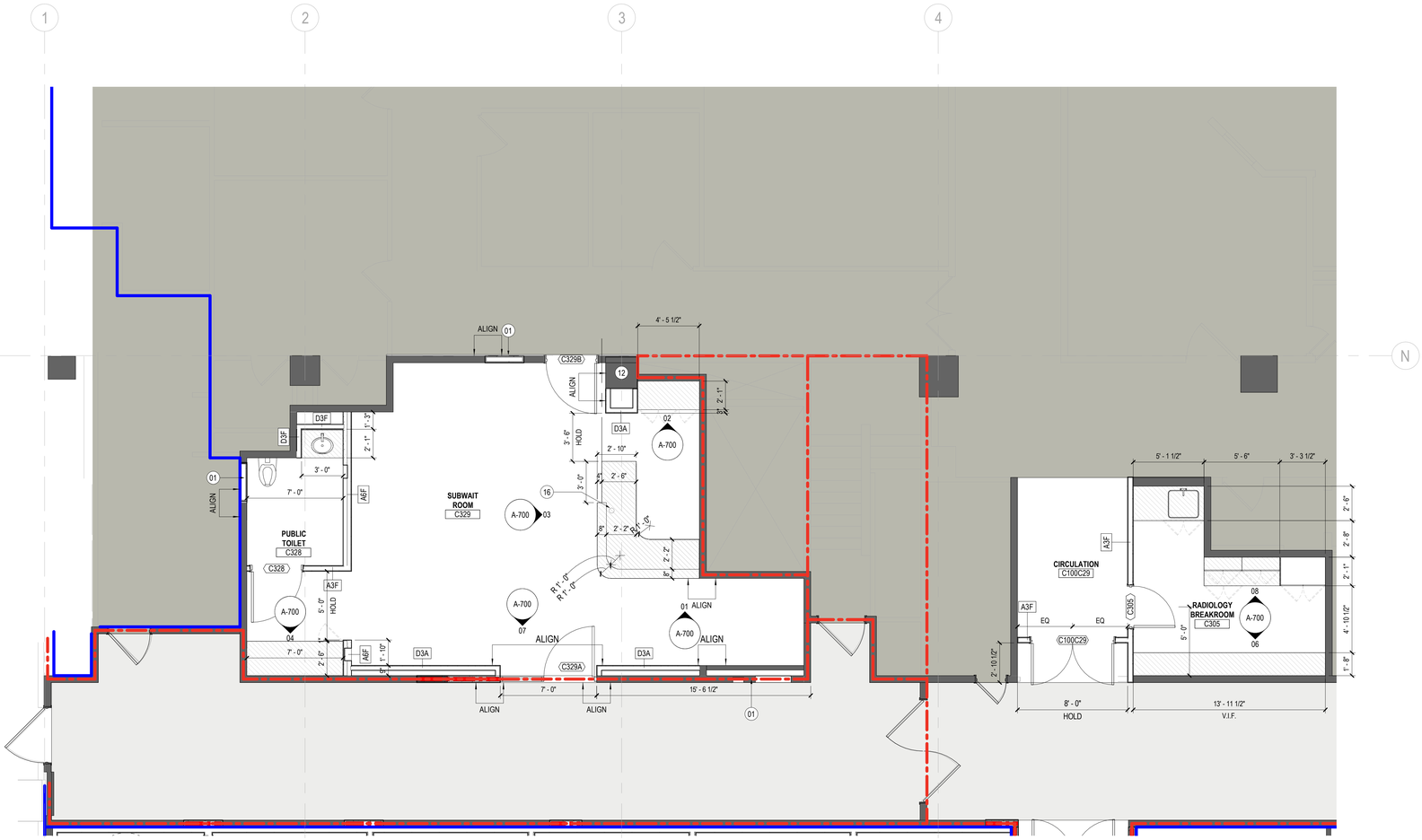

1 CONSTRUCTION PLAN - PHASE 1 - SUBWAIT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. REFER TO A-010 & A-011 FOR PARTITION TYPES AND DETAILS.
D. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED.
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G. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF ANY OWNER FURNISHED ARTWORK OR ACCESSORIES.
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K. AT EXISTING COLUMNS, FURR OUT WALLS WITH G1A PARTITION TYPE. REFER TO A-010 FOR MORE INFORMATION.
L. AT EXISTING WALLS, GC TO COORDINATE DEMOLITION AND REPLACEMENT OF EXISTING GYPSUM BOARD WITH G1A PARTITIONS. GC TO COORDINATE EXISTING PARTITIONS WITH NEW FINISHES, DEVICES, EQUIPMENT AND MEP. REFER TO MEP DRAWINGS FOR MORE INFORMATION.

SHEET NOTES

01 INFILL WALL TO MATCH ADJACENT CONSTRUCTION. V.I.F.
12 PROVIDE (1) LAYER OF GYPSUM BOARD AT EXPOSED CONCRETE COLUMNS, UNLESS OTHERWISE NOTED BY WALL TAG.
16 COORDINATE GROMMET LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. LOCATIONS SHOWN FOR REFERENCE.

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Project Name
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Description
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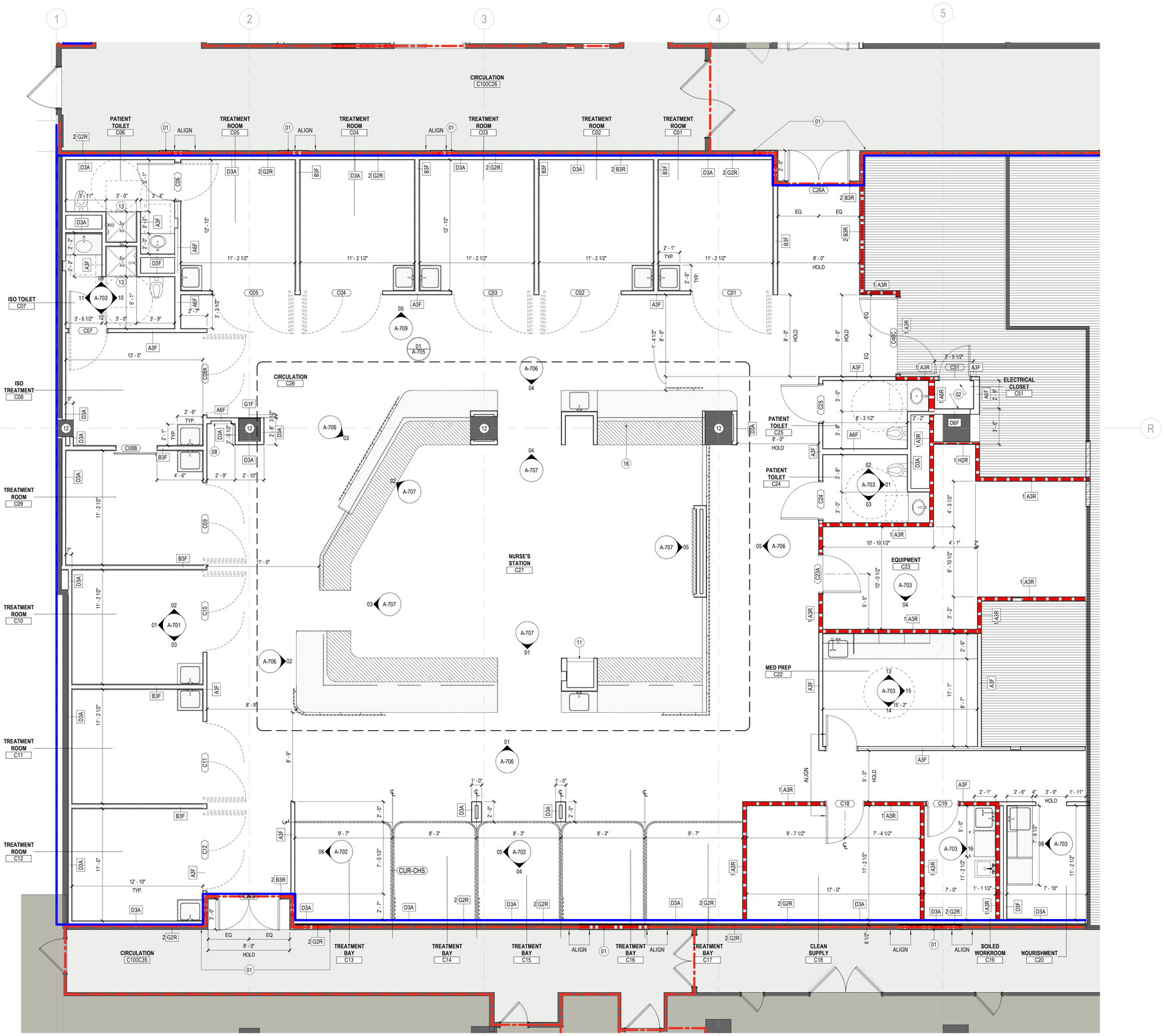

1 CONSTRUCTION PLAN - PHASE 1 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
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SHEET NOTES

01 INFILL WALL TO MATCH ADJACENT CONSTRUCTION. V.I.F.
02 COORDINATE RECESSED ELECTRICAL PANELS WITH WALL CONSTRUCTION. PROVIDE FIRE RATED PLYWOOD IF REQUIRED.
08 PROVIDE RECESSED PPE EQUIPMENT. COORDINATE WALL DEPTH WITH MEDICAL EQUIPMENT LIST.
11 COORDINATE PNEUMATIC TUBE SYSTEM WITH OWNER AND EXISTING LINES. PROVIDE NEW STATION AND CONNECT TO EXISTING LINES. REFER TO SPEC SECTION 14 92 00 FOR MORE INFORMATION.
12 PROVIDE (1) LAYER OF GYPSUM BOARD AT EXPOSED CONCRETE COLUMNS, UNLESS OTHERWISE NOTED BY WALL TAG.
13 COORDINATE WITH ARCHITECTURAL DETAILS AND STRUCTURAL DRAWINGS FOR SLAB PREP AT SHOWERS.
16 COORDINATE GROMMET LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. LOCATIONS SHOWN FOR REFERENCE.

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Project Name
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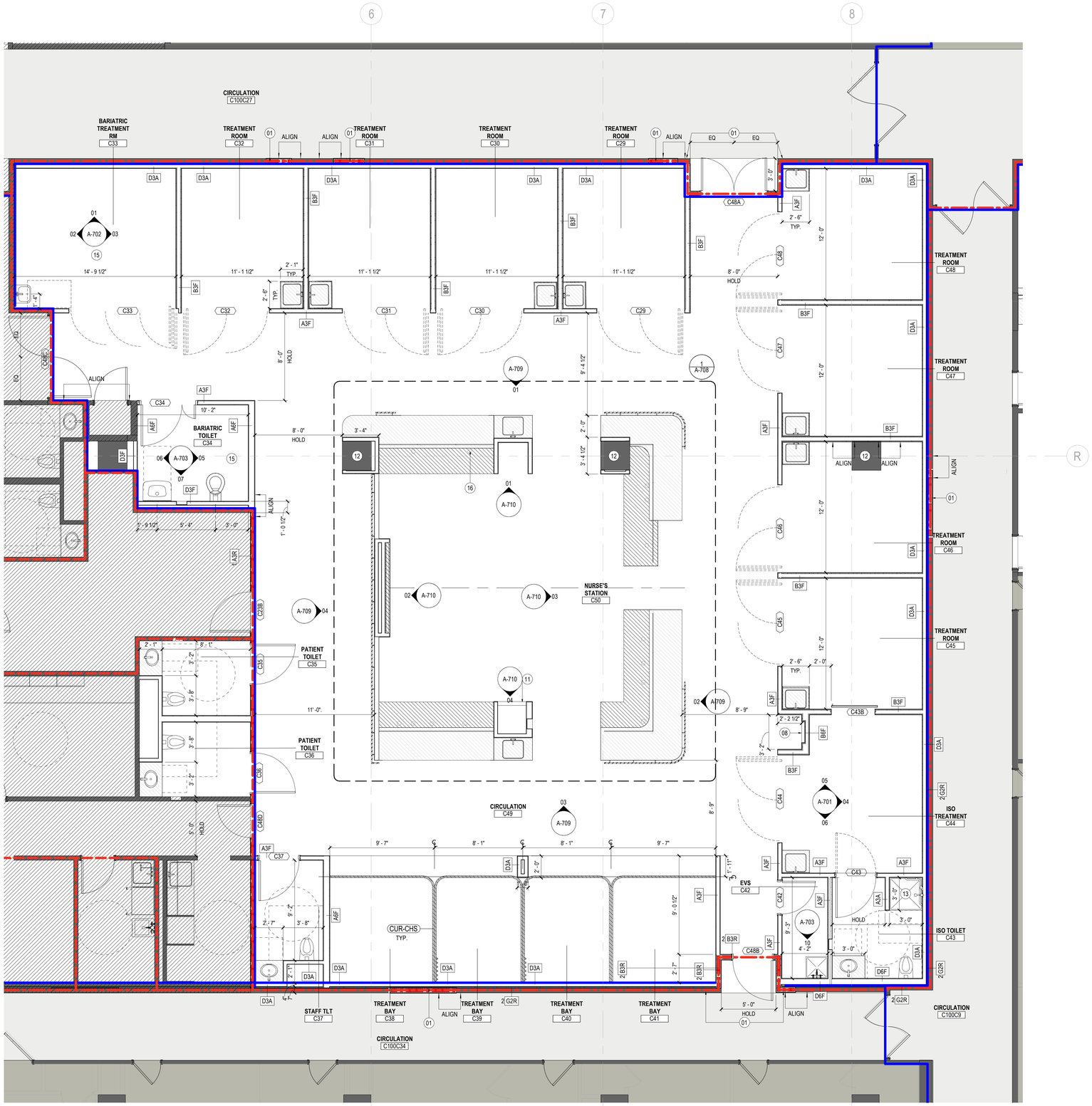

1 CONSTRUCTION PLAN - PHASE 2 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. REFER TO A-010 & A-011 FOR PARTITION TYPES AND DETAILS.
D. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED.
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F. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF FURNITURE, MILLWORK, CASEWORK, MEDICAL EQUIPMENT, ACCESSORIES, AND AV/IT EQUIPMENT. COORDINATE WITH MEDICAL EQUIPMENT LISTS FOR MORE INFORMATION. COORDINATE WITH FURNITURE VENDOR FOR MORE INFORMATION.
G. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF ANY OWNER FURNISHED ARTWORK OR ACCESSORIES.
H. LEVEL FLOOR SLAB AFTER TRENCHING AND DEMOLITION AND PRIOR TO CONSTRUCTION AND NEW FINISHES.
I. HINGE FACE OF ALL DOOR OPENINGS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
J. PRIOR TO FINAL LAYOUT OF WALLS, CONFIRM WITH ARCHITECT AND OWNER ANY DISCREPANCIES IN THE FIELD.
K. AT EXISTING COLUMNS, FURR OUT WALLS WITH G1A PARTITION TYPE. REFER TO A-010 FOR MORE INFORMATION.
L. AT EXISTING WALLS, GC TO COORDINATE DEMOLITION AND REPLACEMENT OF EXISTING GYPSUM BOARD WITH G1A PARTITIONS. GC TO COORDINATE EXISTING PARTITIONS WITH NEW FINISHES, DEVICES, EQUIPMENT AND MEP. REFER TO MEP DRAWINGS FOR MORE INFORMATION.

SHEET NOTES

01 INFILL WALL TO MATCH ADJACENT CONSTRUCTION. V.I.F.
08 PROVIDE RECESSED PPE EQUIPMENT. COORDINATE WALL DEPTH WITH MEDICAL EQUIPMENT LIST.
11 COORDINATE PNEUMATIC TUBE SYSTEM WITH OWNER AND EXISTING LINES. PROVIDE NEW STATION AND CONNECT TO EXISTING LINES. REFER TO SPEC SECTION 14 92 00 FOR MORE INFORMATION.
12 PROVIDE (1) LAYER OF GYPSUM BOARD AT EXPOSED CONCRETE COLUMNS, UNLESS OTHERWISE NOTED BY WALL TAG.
13 COORDINATE WITH ARCHITECTURAL DETAILS AND STRUCTURAL DRAWINGS FOR SLAB PREP AT SHOWERS.
15 PROVIDE IN WALL BLOCKING AS REQUIRES FOR GRAB BARS, FIXTURES AND EQUIPMENT. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
16 COORDINATE GROMMET LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. LOCATIONS SHOWN FOR REFERENCE.

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Project Name
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Project Number
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Description
CONSTRUCTION 2

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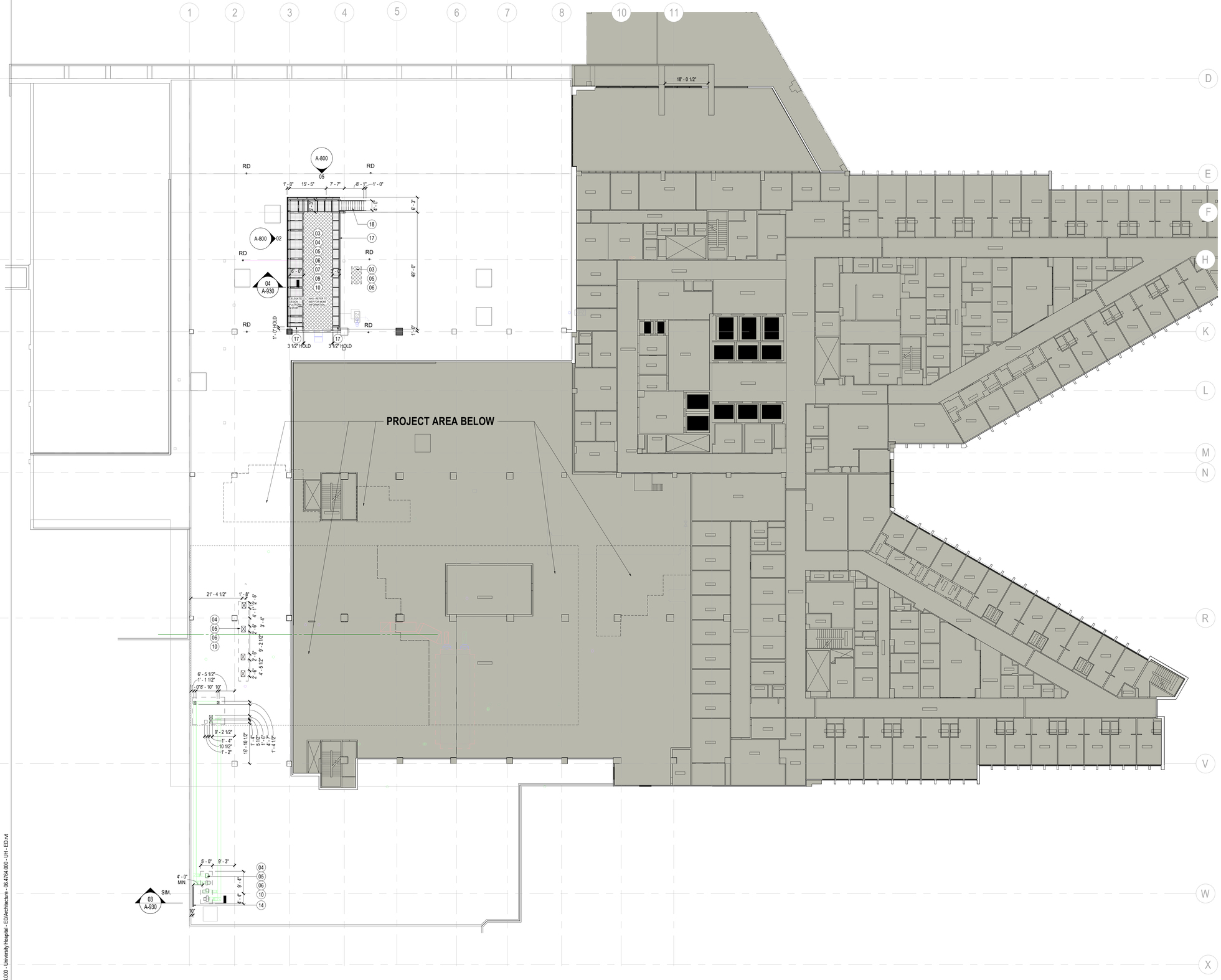

1 CONSTRUCTION PLAN - ROOF-LEVEL D

SCALE: 1/16" = 1'-0"

GENERAL NOTES

A. REFER TO MEP AND STRUCTURAL DRAWINGS FOR EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION.

B. PAINT NEW AND EXISTING EXPOSED ROOF-MOUNTED EQUIPMENT, PIPING, ETC IN A COLOR AS SELECTED BY ARCHITECT, EXCEPT THOSE ITEMS WHICH ARE ALUMINUM OR STAINLESS STEEL SHALL NOT BE PAINTED.

C. REFER TO ARCHITECTURAL ROOFING DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.

D. THE CONTRACTOR SHALL PROVIDE GUARDS WHERE APPLIANCES, EQUIPMENT, ROOF HATCHES, FANS OR OTHER COMPONETS THAT REQUIRE SERVICE ARE LOCATED WITHIN 10'-0" OF A ROOF EDGE OR AN OPEN SIDE OF WALKING SURFACE AND SUCH ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE IS LOCATED MORE THAN 30" ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THAN 30" BEYOND EACH END OF SUCH APPLIANCES, EQUIPMENT, FANS OR COMPONETS; THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THAN 42" ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 20" DIAMETER SPHERE AND IT SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS AS SPECIFIED IN THE BUILDING CODE.

E. TAPERED INSULATION SLOPES 1/4" PER FOOT MINIMUM. V.I.F.

F. CRICKETS SLOPE 1/2" PER FOOT. V.I.F.

SHEET NOTES

03 CONTRACTOR TO CUT EXISTING ROOFING SYSTEM AS REQUIRED TO INSTALL ROOF CURBS, STEEL DUNNAGE AND AIR HANDLING UNITS. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL. REFER TO STRUCTURAL AND MEP DRAWINGS FOR RELATED WORK IN THIS AREA.

04 CONTRACTOR TO CUT OPENING IN EXISTING ROOFING SYSTEM AS REQUIRED TO INSTALL OPENINGS FOR MECHANICAL DUCTS AND/OR MECHANICAL EXHAUST FANS. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL. REFER TO MEP DRAWINGS FOR RELATED WORK IN THIS AREA.

05 CONTRACTOR TO PROVIDE CRICKETS AT ALL ROOFTOP EQUIPMENT, PIPING, AND DUCT PENETRATIONS AS REQUIRED TO PROVIDE POSITIVE DRAINAGE.

06 CONTRACTOR TO PROVIDE MANUFACTURER ROOF CURB AND/OR STRUCTURAL STEEL DUNNAGE, SUPPORTS AND BASE FLASHING AS REQUIRED TO SUPPORT MEP EQUIPMENT AND/OR DUCTWORK. PROVIDE A WATERTIGHT SEAL.

07 NEW ARCHITECTURAL ROOF SCREENWALL: BASIS OF DESIGN - RUSKIN VAC-301.. PROVIDE STANDARD MITERED CORNER TRIM PIECES. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.

09 STRUCTURAL STEEL DUNNAGE, SUPPORTS AND BASE. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

10 ROOF CURB EVERY 6', TYP.

14 PROVIDE DELEGATED DESIGN, OSHA COMPLIANT GUARDRAIL AT EXHAUST FANS. REFER TO SIM. DETAIL FOR MORE INFORMATION.

17 PROVIDE DELEGATED DESIGN, OSHA COMPLIANT GUARDRAIL AT MECHANICAL PLATFORM. REFER TO SIMILAR DETAILS ON A-930 FOR MORE INFORMATION.

18 PROVIDE DELEGATED DESIGN, OSHA COMPLIANT STAIR WITH HANDRAIL AND GUARDRAIL AT MECHANICAL PLATFORM. REFER TO DETAILS ON A-930 FOR MORE INFORMATION.

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Project Name

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Project Number

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Description

CONSTRUCTION LVL D

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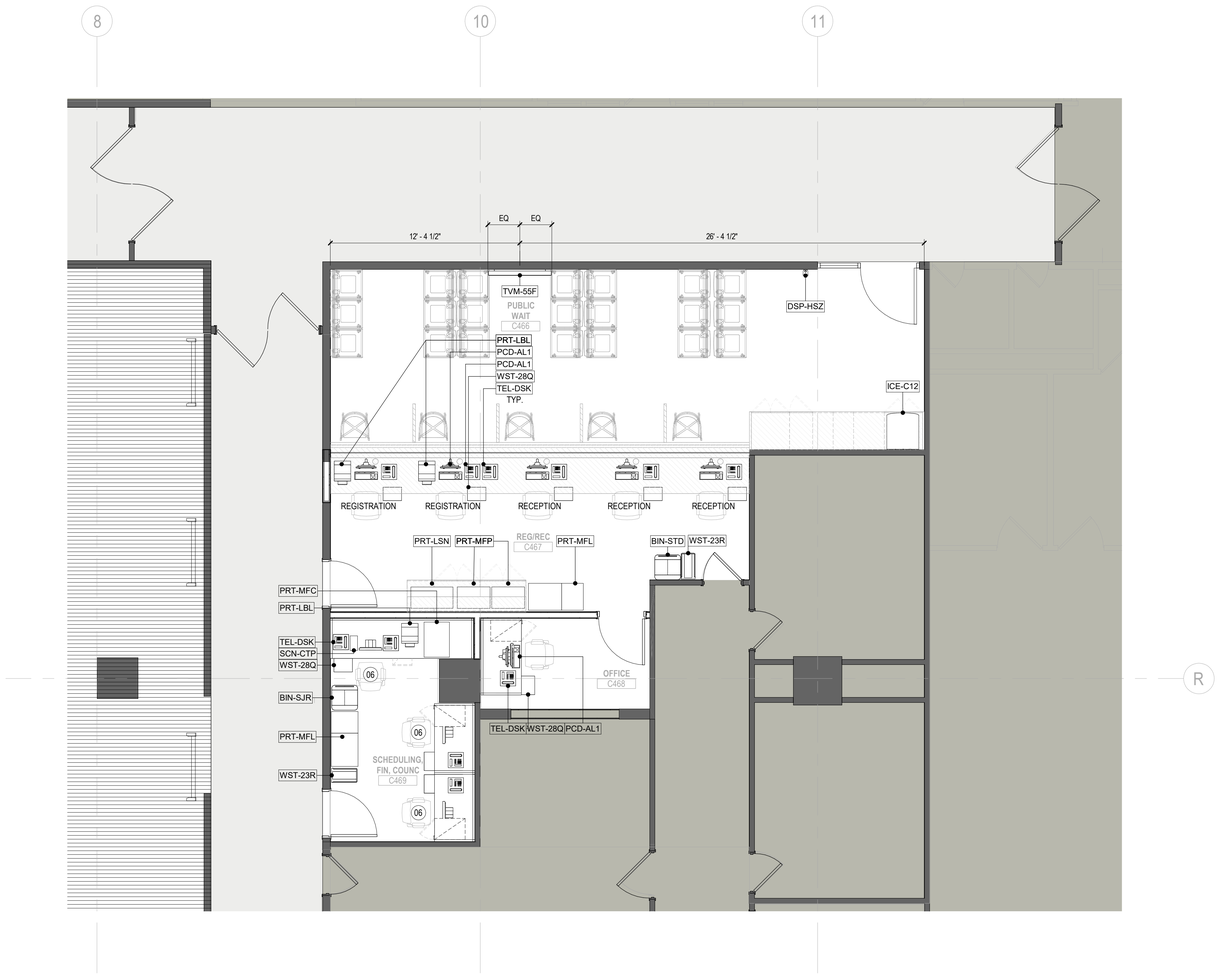

1 EQUIPMENT PLAN - PHASE 0 - RADIOLOGY
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. REFER TO PROJECT MANUAL AND MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT SCHEDULES.
B. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULES.
C. GC TO COORDINATE FURNISHING AND INSTALLATION OF APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT PER FURNISH AND INSTALL SCHEDULES. GC TO COORDINATE AND CONFIRM WITH OWNER PRIOR TO INSTALLATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
D. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
E. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS
F. GC TO COORDINATE IT, AV AND SECURITY RELATED EQUIPMENT WITH OWNER PRIOR TO PROCUREMENT OR INSTALL.
G. COORDINATE WITH OWNER ON AED RECESSED CABINET LOCATIONS, IF REQUIRED.

SHEET NOTES

06 TYP. DESK EQUIPMENT - REFER TO OFFICE C468

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EQUIPMENT 0

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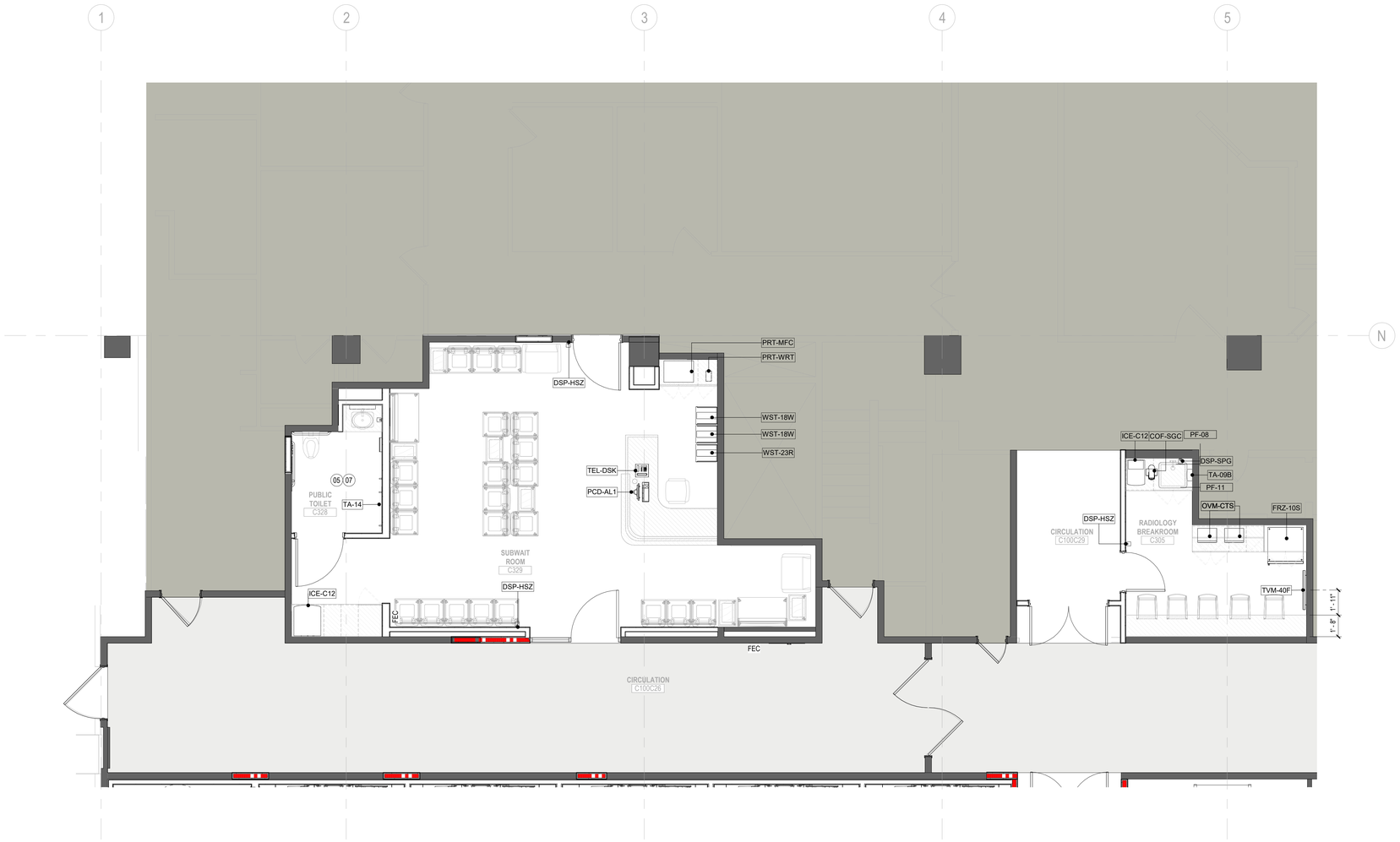

1 EQUIPMENT PLAN - PHASE 1 - WAITING ROOM

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

GENERAL NOTES

A. REFER TO PROJECT MANUAL AND MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT SCHEDULES.
B. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULES.
C. GC TO COORDINATE FURNISHING AND INSTALLATION OF APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT PER FURNISH AND INSTALL SCHEDULES. GC TO COORDINATE AND CONFIRM WITH OWNER PRIOR TO INSTALLATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
D. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
E. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS
F. GC TO COORDINATE IT, AV AND SECURITY RELATED EQUIPMENT WITH OWNER PRIOR TO PROCUREMENT OR INSTALL.
G. COORDINATE WITH OWNER ON AED RECESSED CABINET LOCATIONS, IF REQUIRED.

SHEET NOTES

05 SEE ROOM C25 FOR TYPICAL PATIENT, STAFF, AND PUBLIC TOILET LAYOUT AND TAGS
07 TA-14 ONLY OCCURS IN PUBLIC TOILET C328

KEY PLAN

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NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
EQUIPMENT 1A

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

A-201.1A

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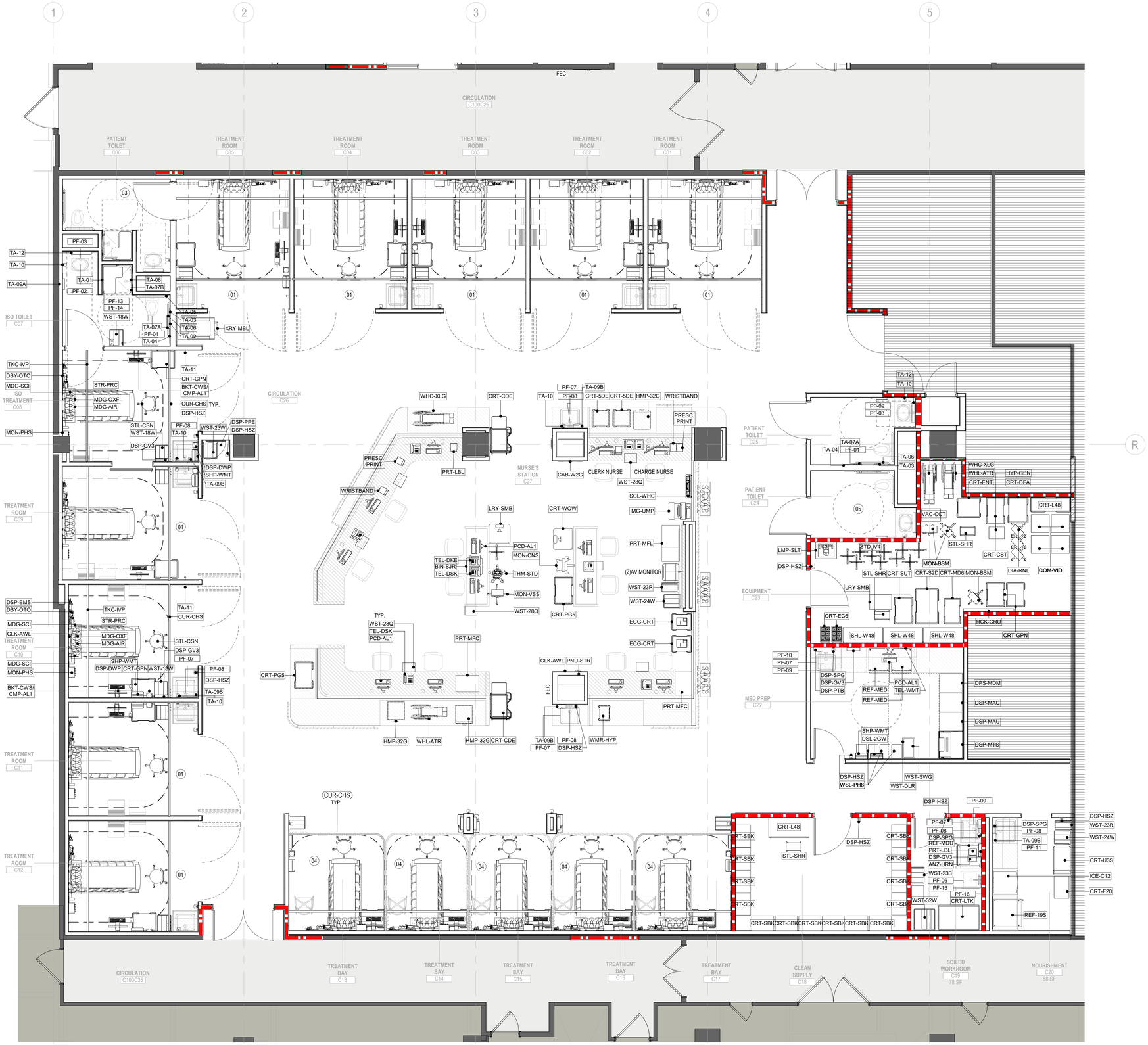

1 EQUIPMENT PLAN - PHASE 1 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO PROJECT MANUAL AND MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT SCHEDULES.
B. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULES.
C. GC TO COORDINATE FURNISHING AND INSTALLATION OF APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT PER FURNISH AND INSTALL SCHEDULES. GC TO COORDINATE AND CONFIRM WITH OWNER PRIOR TO INSTALLATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
D. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
E. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS
F. GC TO COORDINATE IT, AV AND SECURITY RELATED EQUIPMENT WITH OWNER PRIOR TO PROCUREMENT OR INSTALL.
G. COORDINATE WITH OWNER ON AED RECESSED CABINET LOCATIONS, IF REQUIRED.

SHEET NOTES

01 SEE TREATMENT ROOM C10 FOR TYPICAL EQUIPMENT LAYOUT AND TAGS
03 SEE ROOM C07 FOR TYPICAL SHOWER TOILET LAYOUT AND TAGS
04 SEE ROOM C41 FOR TYPICAL TREATMENT BAY LAYOUT AND TAGS
05 SEE ROOM C25 FOR TYPICAL PATIENT, STAFF, AND PUBLIC TOILET LAYOUT AND TAGS

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
EQUIPMENT 1B

Scale
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PROJECT NORTH
0 24 48 96 192

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1 EQUIPMENT PLAN - PHASE 2 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO PROJECT MANUAL AND MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT SCHEDULES.
B. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULES.
C. GC TO COORDINATE FURNISHING AND INSTALLATION OF APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT PER FURNISH AND INSTALL SCHEDULES. GC TO COORDINATE AND CONFIRM WITH OWNER PRIOR TO INSTALLATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
D. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
E. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS
F. GC TO COORDINATE IT, AV AND SECURITY RELATED EQUIPMENT WITH OWNER PRIOR TO PROCUREMENT OR INSTALL.
G. COORDINATE WITH OWNER ON AED RECESSED CABINET LOCATIONS, IF REQUIRED.

SHEET NOTES

01 SEE TREATMENT ROOM C10 FOR TYPICAL EQUIPMENT LAYOUT AND TAGS
02 SEE ROOM C08 FOR TYPICAL ISO TREATMENT ROOM LAYOUT AND TAGS
03 SEE ROOM C07 FOR TYPICAL SHOWER TOILET LAYOUT AND TAGS
04 SEE ROOM C41 FOR TYPICAL TREATMENT BAY LAYOUT AND TAGS
05 SEE ROOM C25 FOR TYPICAL PATIENT, STAFF, AND PUBLIC TOILET LAYOUT AND TAGS

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
EQUIPMENT 2

Scale
As indicated

PROJECT NORTH

0 24 48 96 192

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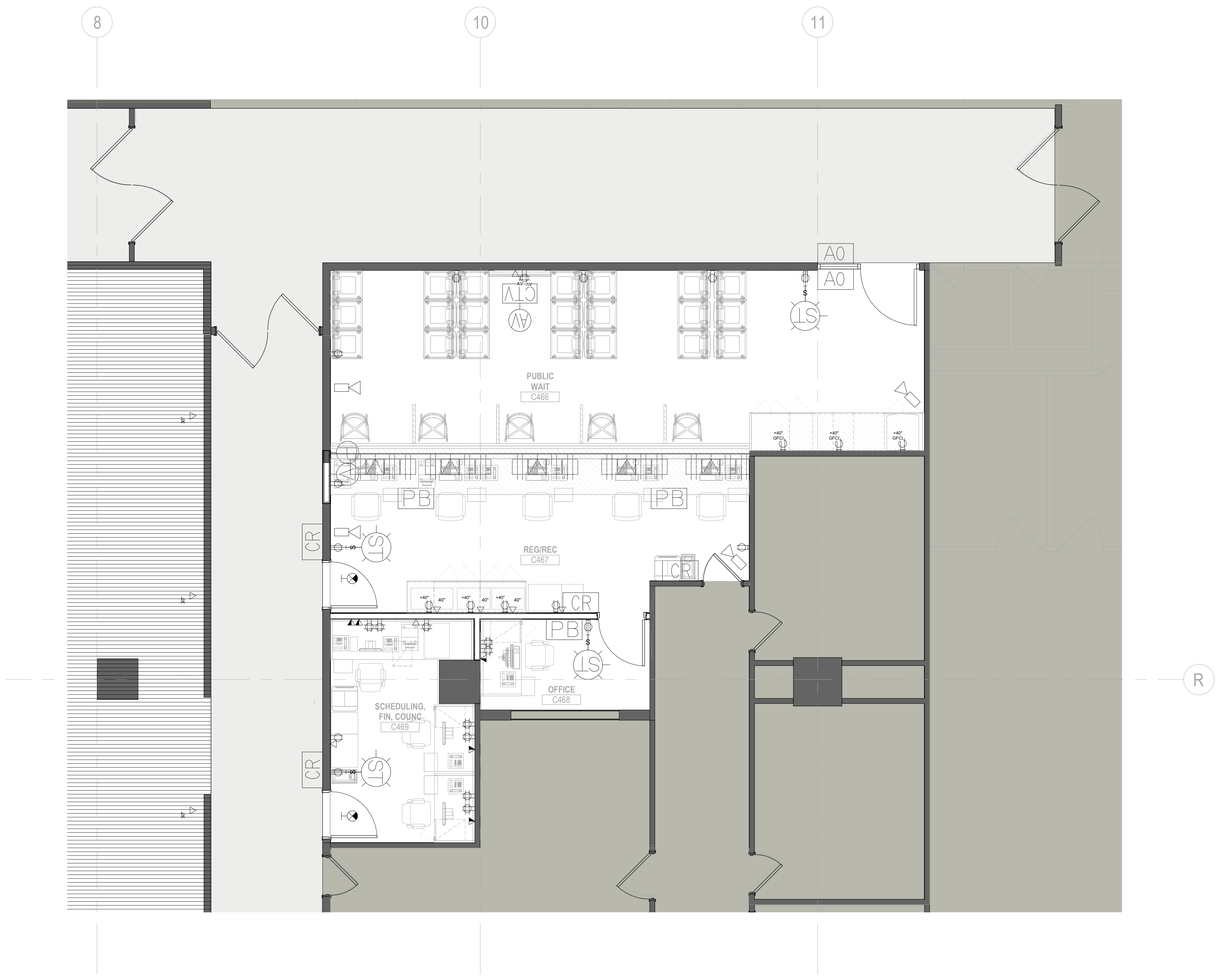

1 POWER & DATA PLAN - PHASE 0 - RADIOLOGY

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. POWER, DATA, AV, STROBES AND OTHER WALL AND CEILING MOUNTED DEVICES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
D. GC TO COORDINATE IT, AV, SECURITY AND NURSE CALL DEVICES WITH OWNER AND VENDORS. CONFIRM WITH OWNER, PRIOR TO INSTALLATION.
E. REFER TO AND COORDINATE WITH MEP, IT AND MANUFACTURERS FOR MAJOR PIECES OF EQUIPMENT.
F. PRIOR TO FINAL LAYOUT OF POWER/DATA, CONFIRM WITH ARCHITECT AND OWNER LOCATIONS OF EQUIPMENT AND MONITORS.
G. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
H. INSTALL CEILING MOUNTED SECURITY CAMERA WITH DATA JACK IN THE CEILING. COORDINATE WITH OWNER, SECURITY AND IT FOR ADDITIONAL INFORMATION. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND NURSE CALL VENDOR. OWNER TO CONFIRM PRIOR TO INSTALLATION.

SHEET NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
POWER & COM 0

Scale
As indicated

PROJECT NORTH

0 24 48 96 192

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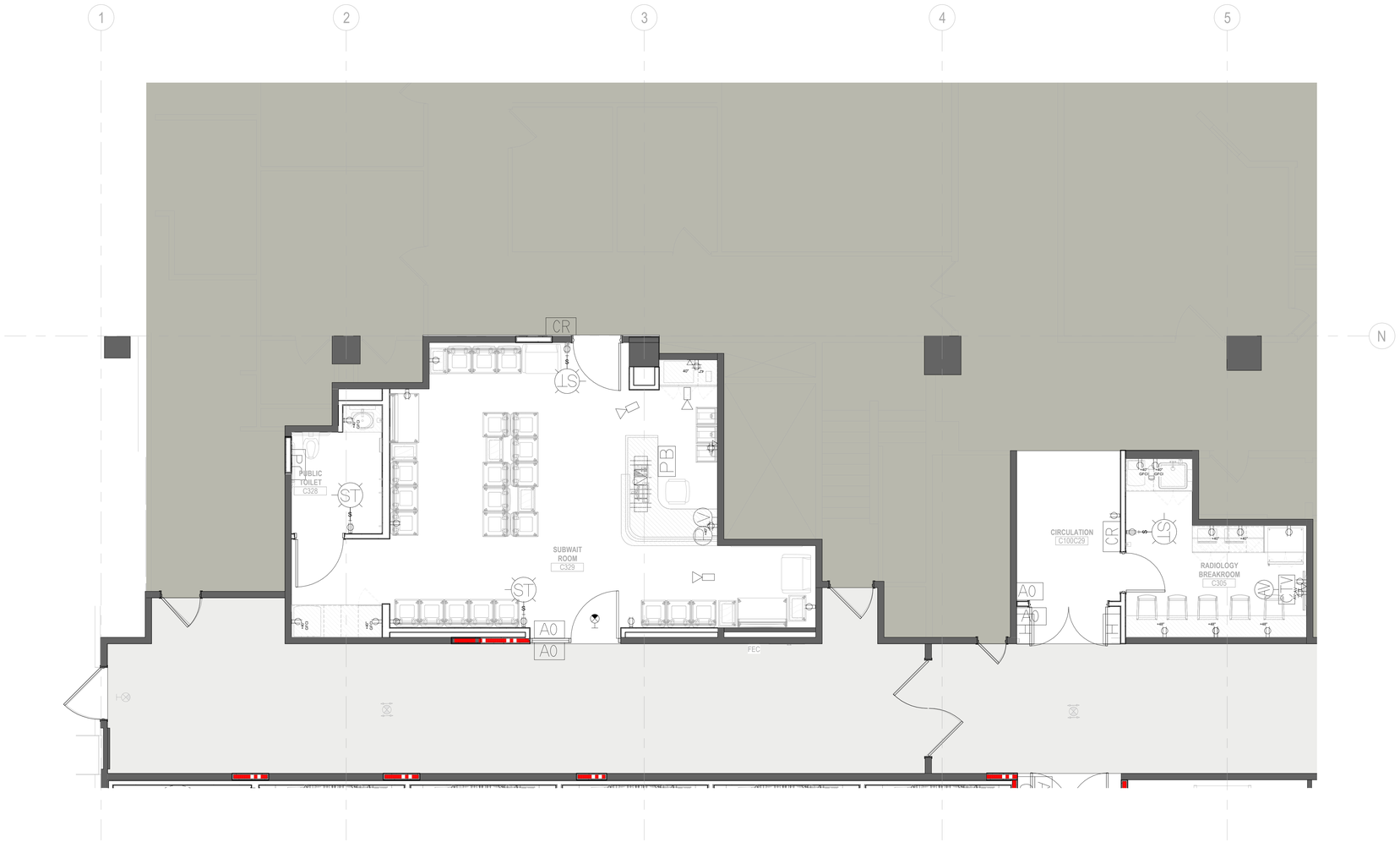

1 POWER & DATA PLAN - PHASE 1 - SUBWAIT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. POWER, DATA, AV, STROBES AND OTHER WALL AND CEILING MOUNTED DEVICES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
D. GC TO COORDINATE IT, AV, SECURITY AND NURSE CALL DEVICES WITH OWNER AND VENDORS. CONFIRM WITH OWNER, PRIOR TO INSTALLATION.
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G. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
H. INSTALL CEILING MOUNTED SECURITY CAMERA WITH DATA JACK IN THE CEILING. COORDINATE WITH OWNER, SECURITY AND IT FOR ADDITIONAL INFORMATION. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND NURSE CALL VENDOR. OWNER TO CONFIRM PRIOR TO INSTALLATION.

SHEET NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
POWER & COM 1A

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0 24 48 96 192

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1 POWER & DATA PLAN - PHASE 1 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. POWER, DATA, AV, STROBES AND OTHER WALL AND CEILING MOUNTED DEVICES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
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G. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
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I. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND NURSE CALL VENDOR. OWNER TO CONFIRM PRIOR TO INSTALLATION.

SHEET NOTES

02 PROVIDE PLUGMOLD ALONG ENTIRE LENGTH OF ROOM AT 4'-0" A.F.F. COORDINATE WITH ELECTRICAL DRAWINGS FOR MORE INFORMATION.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
POWER & COM 1B

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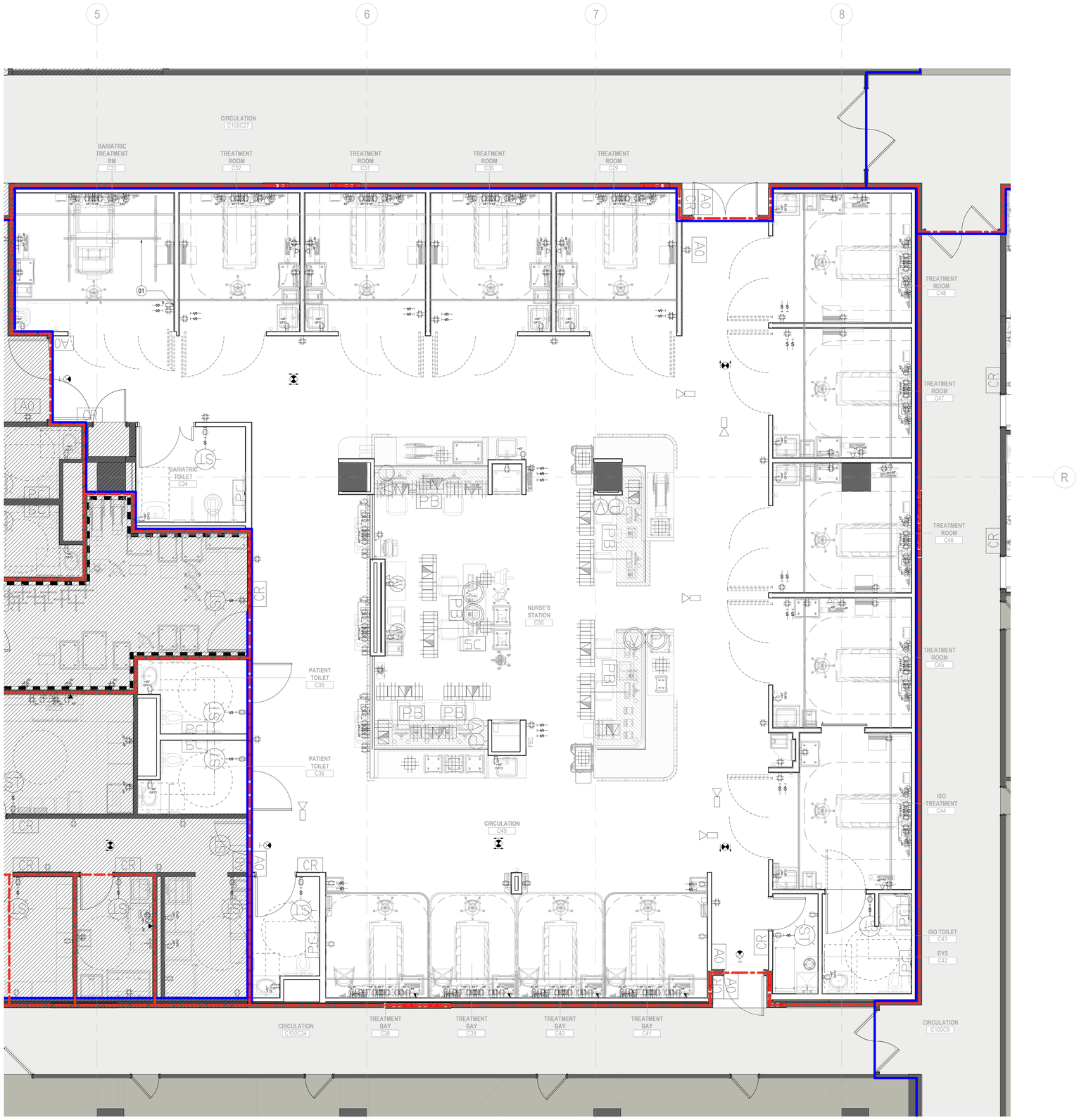

1 POWER & DATA PLAN - PHASE 2 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO G-002 FOR TYPICAL DEVICE MOUNTING HEIGHTS.
C. POWER, DATA, AV, STROBES AND OTHER WALL AND CEILING MOUNTED DEVICES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
D. GC TO COORDINATE IT, AV, SECURITY AND NURSE CALL DEVICES WITH OWNER AND VENDORS. CONFIRM WITH OWNER, PRIOR TO INSTALLATION.
E. REFER TO AND COORDINATE WITH MEP, IT AND MANUFACTURERS FOR MAJOR PIECES OF EQUIPMENT.
F. PRIOR TO FINAL LAYOUT OF POWER/DATA, CONFIRM WITH ARCHITECT AND OWNER LOCATIONS OF EQUIPMENT AND MONITORS.
G. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
H. INSTALL CEILING MOUNTED SECURITY CAMERA WITH DATA JACK IN THE CEILING. COORDINATE WITH OWNER, SECURITY AND IT FOR ADDITIONAL INFORMATION. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND NURSE CALL VENDOR. OWNER TO CONFIRM PRIOR TO INSTALLATION.

SHEET NOTES

01 PROVIDE POWER FOR THE BARIATRIC CEILING MOUNTED LIFT. COORDINATE REMOTE POWER (AT 48" A.F.F.) AND TRACK POWER (ABOVE CEILING) WITH MEDICAL EQUIPMENT AND ELECTRICAL DRAWINGS.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
POWER & COM 2

Scale
1/4" = 1'-0"
PROJECT NORTH
0 24 48 96 192

A-301.2

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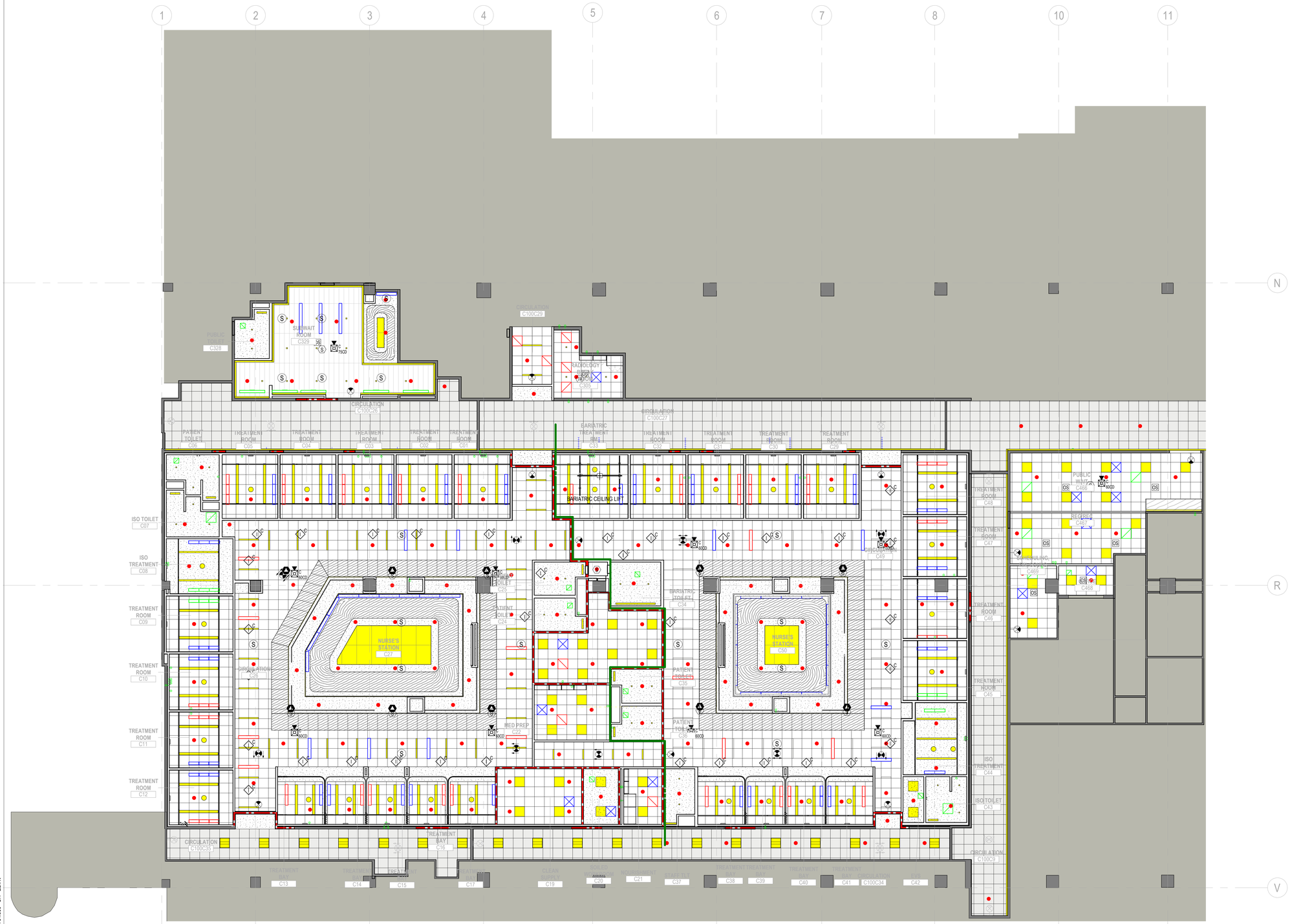

1 REFLECTED CEILING PLAN - LEVEL C - PHASE COMPLETE

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULES.
C. REFER TO ELECTRICAL DRAWINGS AND LIGHTING NARRATIVE FOR LIGHT FIXTURE SCHEDULE.
D. ALL GYPSUM CEILINGS TO BE PAINTED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
E. CEILING FINISH IS CL01 UNLESS OTHERWISE NOTED. CEILING HEIGHT IS 9'-0" UNLESS OTHERWISE NOTED.
F. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TO BE CENTERED ON TILE, UNLESS OTHERWISE NOTED.
G. CEILING TRIM/EDGE MOLDING TO BE MITERED AT ALL CORNERS.
H. PROVIDE ACCESS PANELS AT GYP. CEILING FOR ANY BUILDING DEVICES AND PROPOSED MECHNAICAL UNITS AND DEVICES. REFER TO PROJECT MANUAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. ALL SCHEDULED CEILING DEVICES, THERMOSTATS, FACEPLATES AND LIGHT SWITCHES SHALL BE WHITE, UNLESS OTHERWISE NOTED.
J. ALL CEILING TILES TO BE CENTERED WITHIN THE ROOM, UNLESS OTHERWISE NOTED. ALL LIGHTS WITHIN TREATMENT ROOMS ARE TO BE EVENLY SPACED ABOVE THE PATIENT BED, UNLESS OTHERWISE NOTED.
K. GC TO COORDINATE EXISTING CORRIDOR CEILING AND LIGHT FIXTURE WITH ANY SCOPE OF WORK. PROVIDE NEW CEILING TILES AND GRIDS IF DAMAGED. PROVIDE NEW LIGHT FIXTURES IF DAMAGED.
L. GC TO COORDINATE LOCATION OF HEMISPHERE DOMES PER OWNER'S FIELD DIRECTION.

SHEET NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
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1 REFLECTED CEILING PLAN - PHASE 0 - RADIOLOGY

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULES.
C. REFER TO ELECTRICAL DRAWINGS AND LIGHTING NARRATIVE FOR LIGHT FIXTURE SCHEDULE.
D. ALL GYPSUM CEILINGS TO BE PAINTED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
E. CEILING FINISH IS CL01 UNLESS OTHERWISE NOTED. CEILING HEIGHT IS 9'-0" UNLESS OTHERWISE NOTED.
F. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TO BE CENTERED ON TILE, UNLESS OTHERWISE NOTED.
G. CEILING TRIM/EDGE MOLDING TO BE MITERED AT ALL CORNERS.
H. PROVIDE ACCESS PANELS AT GYP. CEILING FOR ANY BUILDING DEVICES AND PROPOSED MECHNAICAL UNITS AND DEVICES. REFER TO PROJECT MANUAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. ALL SCHEDULED CEILING DEVICES, THERMOSTATS, FACEPLATES AND LIGHT SWITCHES SHALL BE WHITE, UNLESS OTHERWISE NOTED.
J. ALL CEILING TILES TO BE CENTERED WITHIN THE ROOM, UNLESS OTHERWISE NOTED. ALL LIGHTS WITHIN TREATMENT ROOMS ARE TO BE EVENLY SPACED ABOVE THE PATIENT BED, UNLESS OTHERWISE NOTED.
K. GC TO COORDINATE EXISTING CORRIDOR CEILING AND LIGHT FIXTURE WITH ANY SCOPE OF WORK. PROVIDE NEW CEILING TILES AND GRIDS IF DAMAGED. PROVIDE NEW LIGHT FIXTURES IF DAMAGED.
L.. GC TO COORDINATE LOCATION OF HEMISPHERE DOMES PER OWNER'S FIELD DIRECTION.

SHEET NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
RCP 0

Scale
As indicated
PROJECT NORTH
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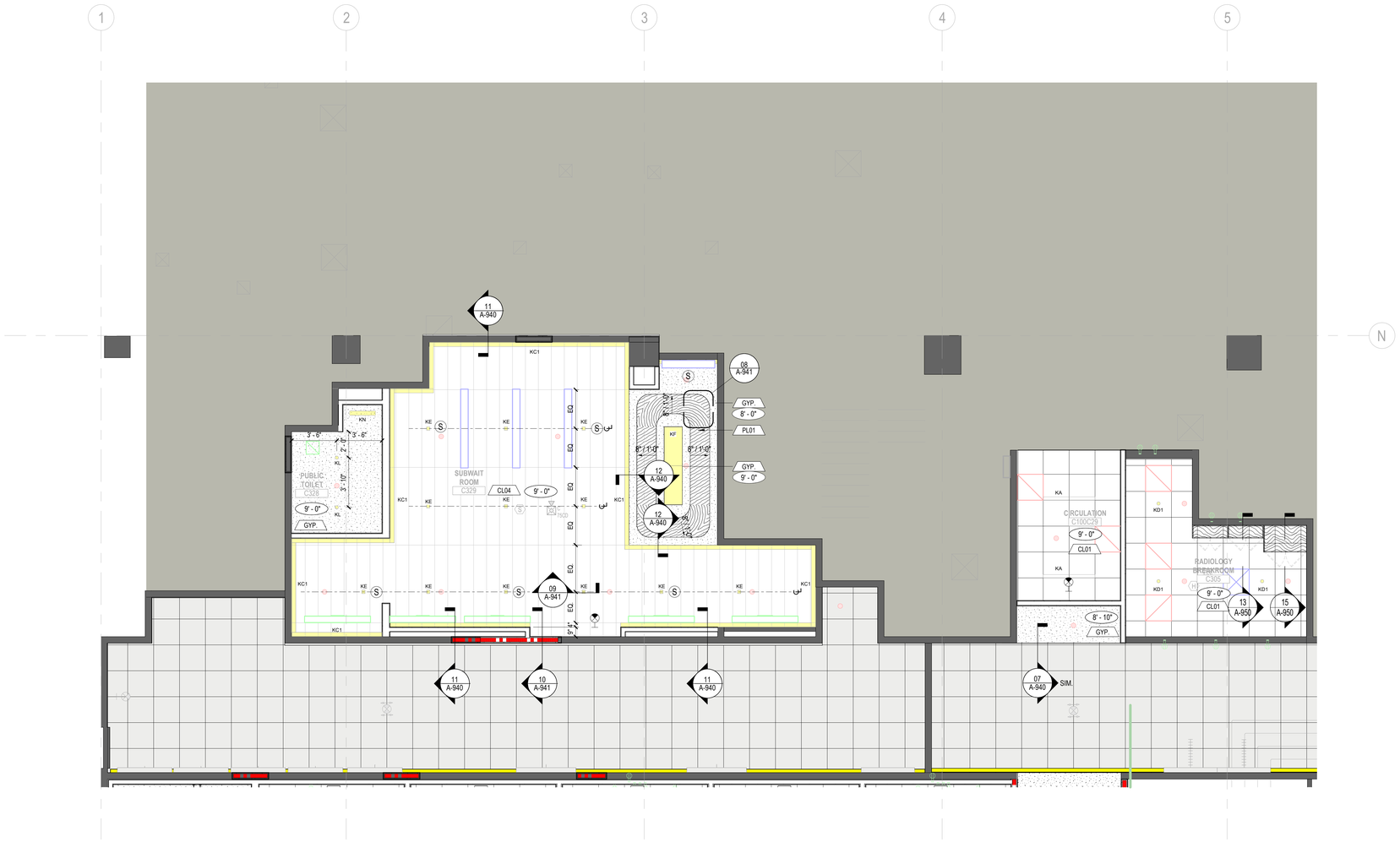

1 REFLECTED CEILING PLAN - PHASE 1 - SUBWAIT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULES.
C. REFER TO ELECTRICAL DRAWINGS AND LIGHTING NARRATIVE FOR LIGHT FIXTURE SCHEDULE.
D. ALL GYPSUM CEILINGS TO BE PAINTED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
E. CEILING FINISH IS CL01 UNLESS OTHERWISE NOTED. CEILING HEIGHT IS 9'-0" UNLESS OTHERWISE NOTED.
F. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TO BE CENTERED ON TILE, UNLESS OTHERWISE NOTED.
G. CEILING TRIM/EDGE MOLDING TO BE MITERED AT ALL CORNERS.
H. PROVIDE ACCESS PANELS AT GYP. CEILING FOR ANY BUILDING DEVICES AND PROPOSED MECHNAICAL UNITS AND DEVICES. REFER TO PROJECT MANUAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. ALL SCHEDULED CEILING DEVICES, THERMOSTATS, FACEPLATES AND LIGHT SWITCHES SHALL BE WHITE, UNLESS OTHERWISE NOTED.
J. ALL CEILING TILES TO BE CENTERED WITHIN THE ROOM, UNLESS OTHERWISE NOTED. ALL LIGHTS WITHIN TREATMENT ROOMS ARE TO BE EVENLY SPACED ABOVE THE PATIENT BED, UNLESS OTHERWISE NOTED.
K. GC TO COORDINATE EXISTING CORRIDOR CEILING AND LIGHT FIXTURE WITH ANY SCOPE OF WORK. PROVIDE NEW CEILING TILES AND GRIDS IF DAMAGED. PROVIDE NEW LIGHT FIXTURES IF DAMAGED.
L.. GC TO COORDINATE LOCATION OF HEMISPHERE DOMES PER OWNER'S FIELD DIRECTION.

SHEET NOTES

KEY PLAN

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
RCP 1A

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

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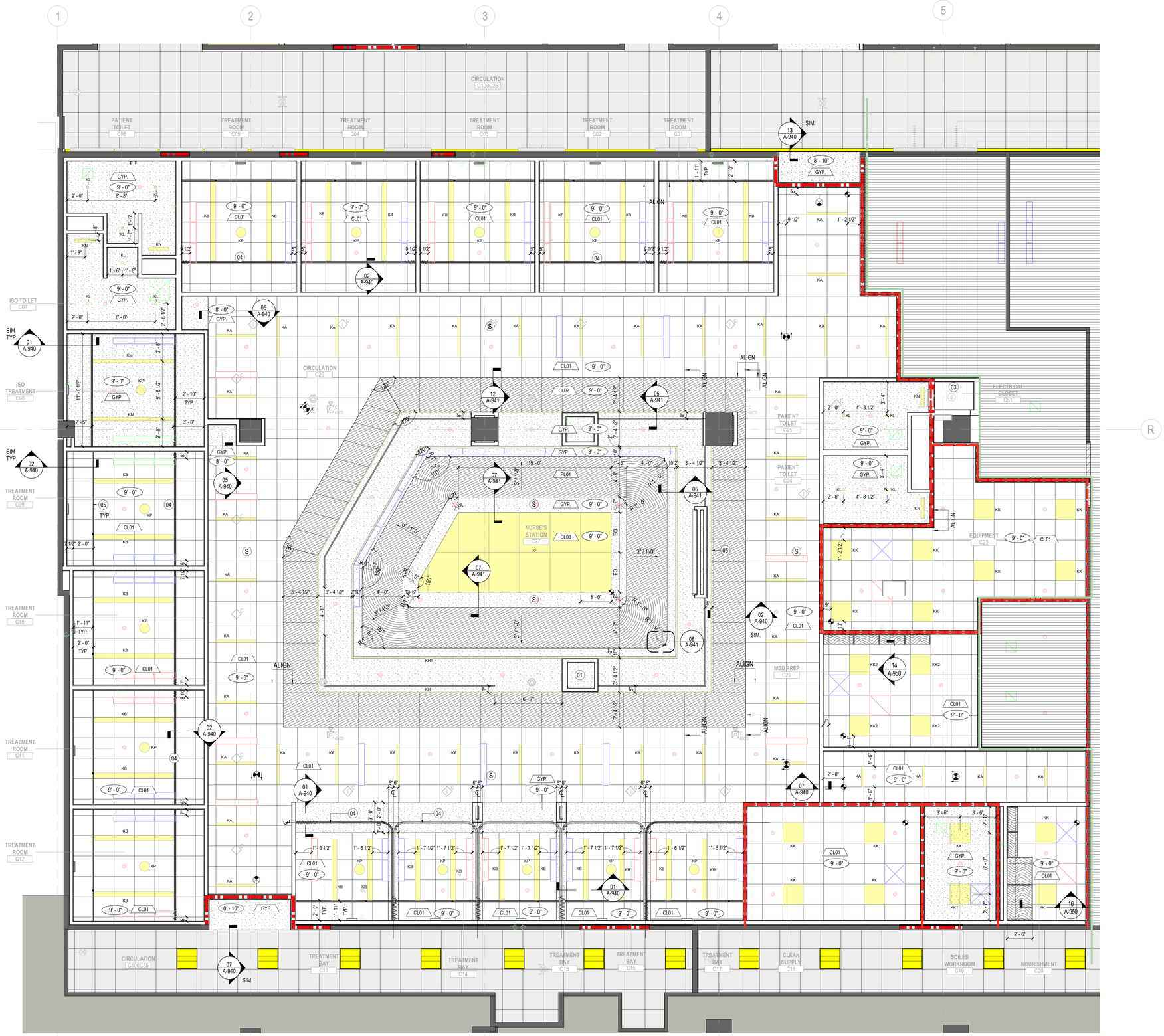

1 REFLECTED CEILING PLAN - PHASE 1 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULES.
C. REFER TO ELECTRICAL DRAWINGS AND LIGHTING NARRATIVE FOR LIGHT FIXTURE SCHEDULE.
D. ALL GYPSUM CEILINGS TO BE PAINTED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
E. CEILING FINISH IS CL01 UNLESS OTHERWISE NOTED. CEILING HEIGHT IS 9'-0" UNLESS OTHERWISE NOTED.
F. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TO BE CENTERED ON TILE, UNLESS OTHERWISE NOTED.
G. CEILING TRIM/EDGE MOLDING TO BE MITERED AT ALL CORNERS.
H. PROVIDE ACCESS PANELS AT GYP. CEILING FOR ANY BUILDING DEVICES AND PROPOSED MECHNAICAL UNITS AND DEVICES. REFER TO PROJECT MANUAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
I. ALL SCHEDULED CEILING DEVICES, THERMOSTATS, FACEPLATES AND LIGHT SWITCHES SHALL BE WHITE, UNLESS OTHERWISE NOTED.
J. ALL CEILING TILES TO BE CENTERED WITHIN THE ROOM, UNLESS OTHERWISE NOTED. ALL LIGHTS WITHIN TREATMENT ROOMS ARE TO BE EVENLY SPACED ABOVE THE PATIENT BED, UNLESS OTHERWISE NOTED.
K. GC TO COORDINATE EXISTING CORRIDOR CEILING AND LIGHT FIXTURE WITH ANY SCOPE OF WORK. PROVIDE NEW CEILING TILES AND GRIDS IF DAMAGED. PROVIDE NEW LIGHT FIXTURES IF DAMAGED.
L.. GC TO COORDINATE LOCATION OF HEMISPHERE DOMES PER OWNER'S FIELD DIRECTION.

SHEET NOTES

01 COORDINATE PNEUMATIC TUBE SYSTEM WITH OWNER. AVOID CLASHES WITH EXISTING LINES AND COORDINATE WITH MEP AND LIGHTING DRAWINGS.
03 CEILING OPEN TO ABOVE. LIGHT FIXTURE TO BE SUSPENDED AND LOCATED IN FIELD BY ARCHITECT AND LIGHTING DESIGNER.WALLS PAINTED TO DECK ABOVE
04 PROVIDE PC01 FOR PRIVACY CURTAIN U.O.N.
05 COORDINATE IV TRACK WITH CEILING. REFER TO SIMILAR DETAIL, SPECIFICATION AND MEDICAL EQUIPMENT LIST FOR MORE INFORMATION.

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United States
Tel 212.382.2100

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09.22.2023	ISSUE FOR BID

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
RCP 1B

Scale
As indicated

PROJECT NORTH

0 24 48 96 192

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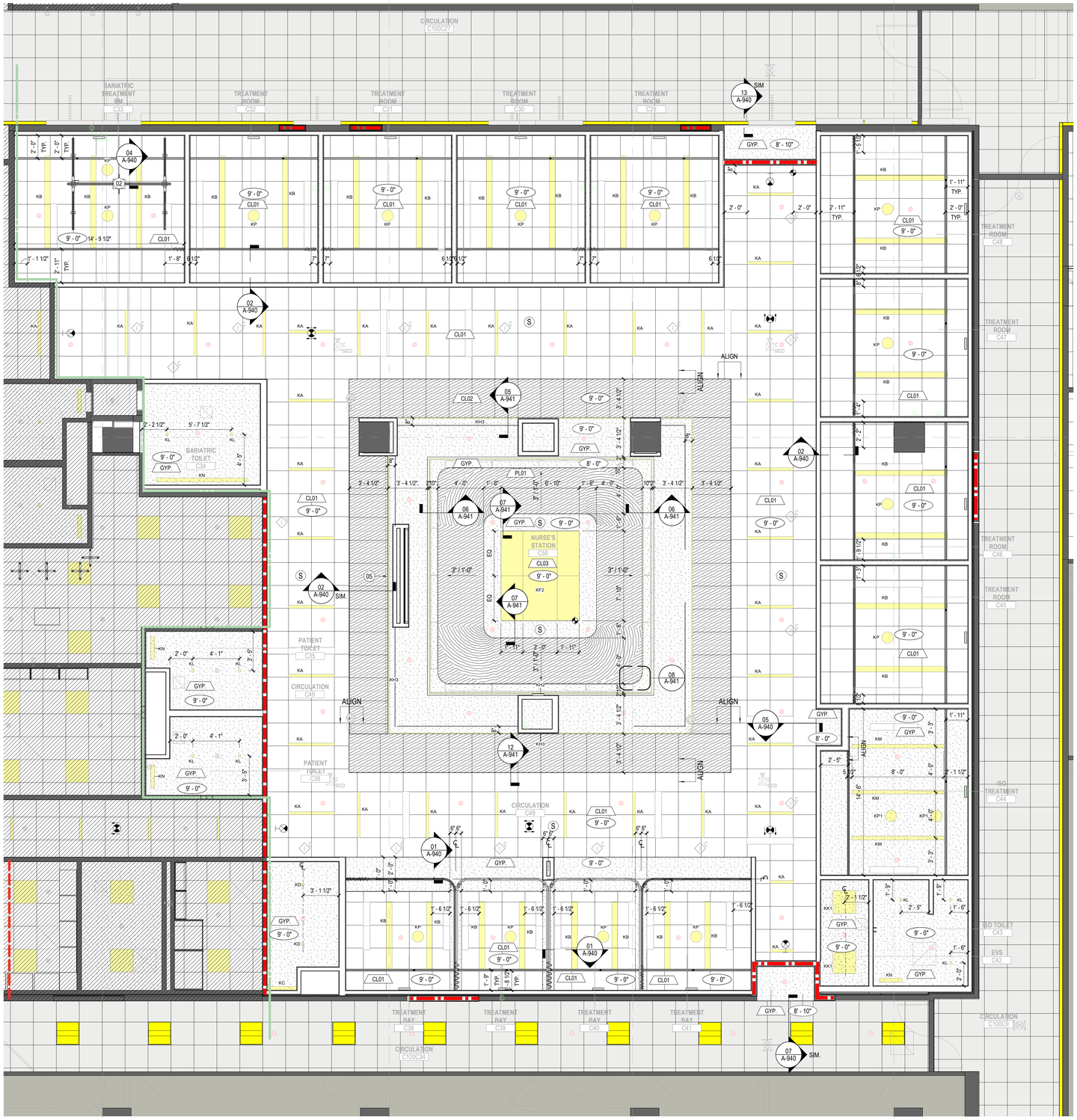

1 REFLECTED CEILING PLAN - PHASE 2 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULES.
C. REFER TO ELECTRICAL DRAWINGS AND LIGHTING NARRATIVE FOR LIGHT FIXTURE SCHEDULE.
D. ALL GYPSUM CEILINGS TO BE PAINTED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
E. CEILING FINISH IS CL01 UNLESS OTHERWISE NOTED. CEILING HEIGHT IS 9'-0" UNLESS OTHERWISE NOTED.
F. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TO BE CENTERED ON TILE, UNLESS OTHERWISE NOTED.
G. CEILING TRIM/EDGE MOLDING TO BE MITERED AT ALL CORNERS.
H. PROVIDE ACCESS PANELS AT GYP. CEILING FOR ANY BUILDING DEVICES AND PROPOSED MECHNAICAL UNITS AND DEVICES. REFER TO PROJECT MANUAL AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
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K. GC TO COORDINATE EXISTING CORRIDOR CEILING AND LIGHT FIXTURE WITH ANY SCOPE OF WORK. PROVIDE NEW CEILING TILES AND GRIDS IF DAMAGED. PROVIDE NEW LIGHT FIXTURES IF DAMAGED.
L. GC TO COORDINATE LOCATION OF HEMISPHERE DOMES PER OWNER'S FIELD DIRECTION.

SHEET NOTES

02 COORDINATE OVERHEAD STRUCTURAL SUPPORT PER ARCHITECTURAL DETAILS, STRUCTURAL DRAWINGS, SPECIFICATIONS AND MEDICAL EQUIPMENT LIST. PROVIDE POWER FOR THE BARIATRIC CEILING MOUNTED LIFT. COORDINATE REMOTE POWER (AT 48" A.F.F.) AND TRACK POWER (ABOVE CEILING) WITH MEDICAL EQUIPMENT AND ELECTRICAL DRAWINGS.
05 COORDINATE IV TRACK WITH CEILING. REFER TO SIMILAR DETAIL, SPECIFICATION AND MEDICAL EQUIPMENT LIST FOR MORE INFORMATION.

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09.22.2023	ISSUE FOR BID

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
RCP 2

Scale
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0 24 48 96 192

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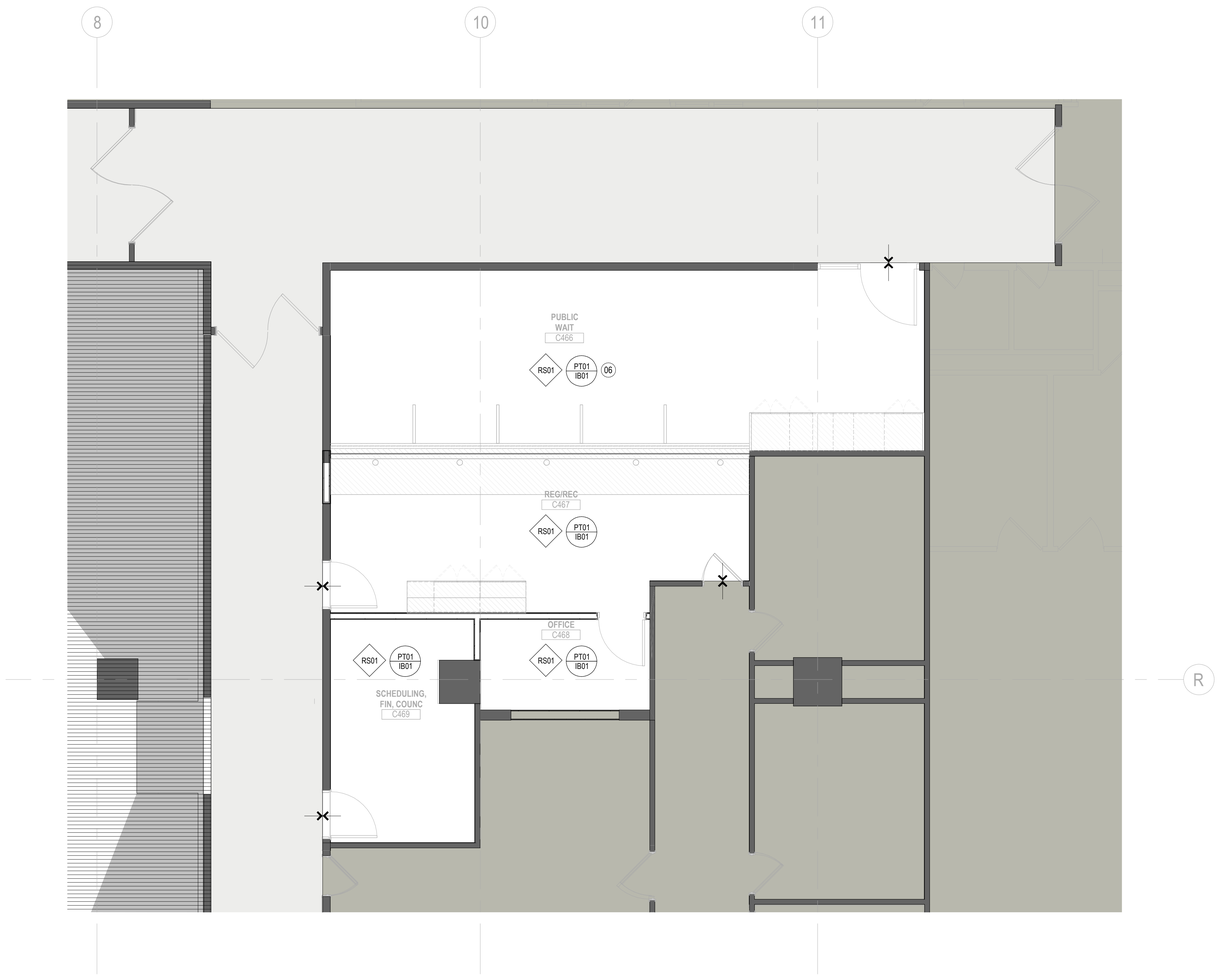

1 FINISH PLAN - PHASE 0 - RADIOLOGY
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULE. REFER TO PROJECT MANUAL FOR MORE INFORMATION.
C. REFER TO ENLARGED PLANS AND ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
D. REFER TO FINISH FLOORING TRANSITIONS FOR MORE INFORMATION.
E. ALL SCHEDULED FINISH FLOORS TO RUN COMPLETELY UNDERNEATH MILLWORK OR EQUIPMENT, U.O.N.
F. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
G. GC TO COORDINATE EXISTING FINISH REPAIRS WITHIN THE EXISTING CORRIDOR. PATCH AND REPAIR FLOORING TO MATCH EXISTING AS REQUIRED. PAINT WALLS TO MATCH EXISTING WALLS. PROVIDE BASE TO MATCH EXISTING WALLS.

SHEET NOTES

06 SIGNAGE BY OTHERS

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FINISH 0

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1 FINISH PLAN - PHASE 1 - SUBWAIT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULE. REFER TO PROJECT MANUAL FOR MORE INFORMATION.
C. REFER TO ENLARGED PLANS AND ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
D. REFER TO FINISH FLOORING TRANSITIONS FOR MORE INFORMATION.
E. ALL SCHEDULED FINISH FLOORS TO RUN COMPLETELY UNDERNEATH MILLWORK OR EQUIPMENT, U.O.N.
F. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
G. GC TO COORDINATE EXISTING FINISH REPAIRS WITHIN THE EXISTING CORRIDOR. PATCH AND REPAIR FLOORING TO MATCH EXISTING AS REQUIRED. PAINT WALLS TO MATCH EXISTING WALLS. PROVIDE BASE TO MATCH EXISTING WALLS.

SHEET NOTES

01 MULTIPLE FINISHES. REFER TO ELEVATIONS
02 PROVIDE SCHLUTER STRIP AT THE TILE ENDS
03 SIGNAGE BY OTHERS
04 PROVIDE DOOR SADDLE AT RESILIENT TO TILE FLOOR TRANSITION
05 PAINT TO BE HIGH PERFORMANCE COATINGS. REFER TO SPEC 09 96 00 FOR MORE INFORMATION.
07 PROVIDE CORNER GUARDS AND CRASH RAIL TO MATCH EXISTING CONDITIONS.

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Date	Description
08.25.2023	DCA SUBMISSION
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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FINISH 1A

Scale
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PROJECT NORTH
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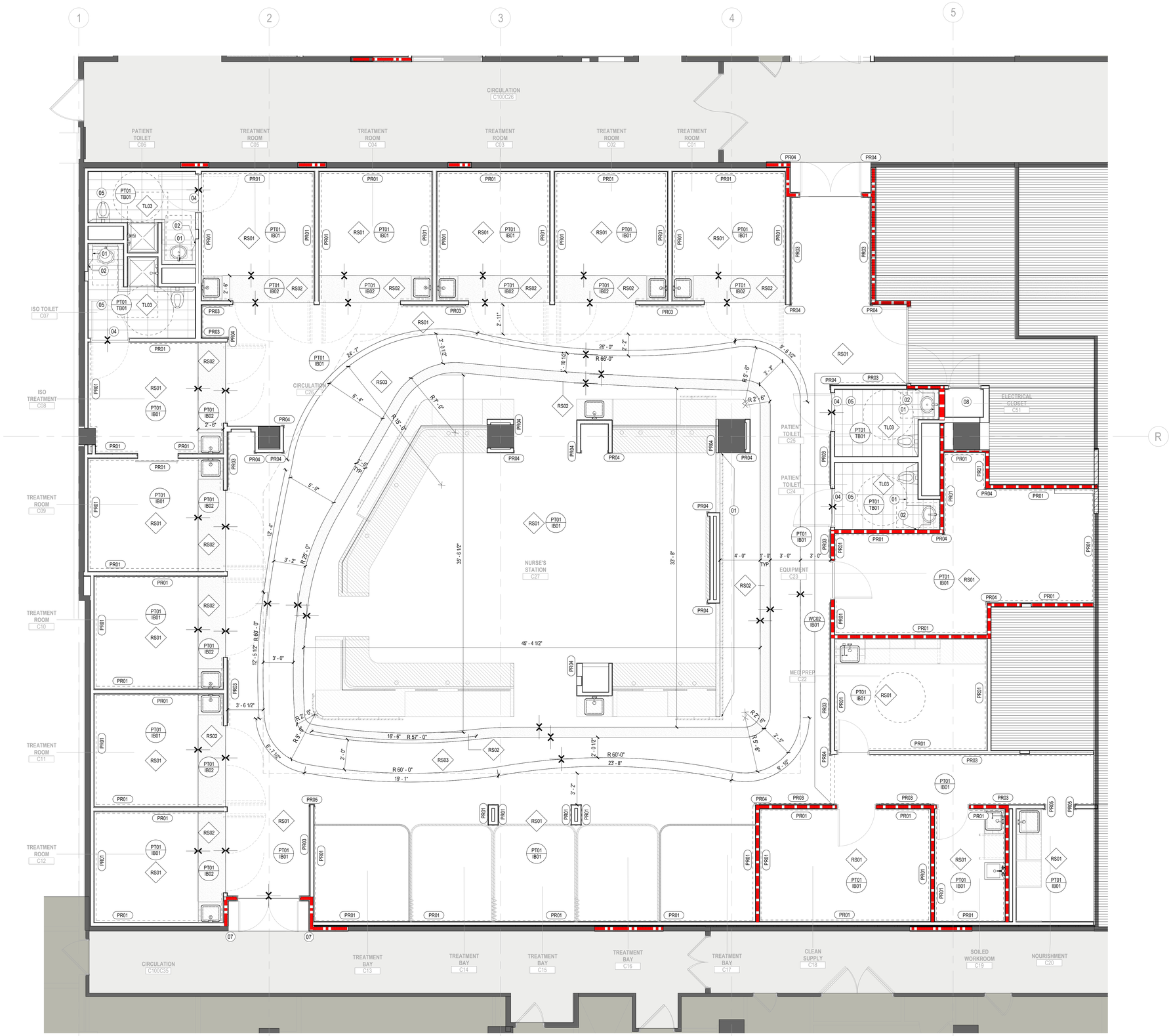

1 FINISH PLAN - PHASE 1 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULE. REFER TO PROJECT MANUAL FOR MORE INFORMATION.
C. REFER TO ENLARGED PLANS AND ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
D. REFER TO FINISH FLOORING TRANSITIONS FOR MORE INFORMATION.
E. ALL SCHEDULED FINISH FLOORS TO RUN COMPLETELY UNDERNEATH MILLWORK OR EQUIPMENT, U.O.N.
F. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
G. GC TO COORDINATE EXISTING FINISH REPAIRS WITHIN THE EXISTING CORRIDOR. PATCH AND REPAIR FLOORING TO MATCH EXISTING AS REQUIRED. PAINT WALLS TO MATCH EXISTING WALLS. PROVIDE BASE TO MATCH EXISTING WALLS.

SHEET NOTES

01 MULTIPLE FINISHES. REFER TO ELEVATIONS
02 PROVIDE SCHLUTER STRIP AT THE TILE ENDS
04 PROVIDE DOOR SADDLE AT RESILIENT TO TILE FLOOR TRANSITION
05 PAINT TO BE HIGH PERFORMANCE COATINGS. REFER TO SPEC 09 96 00 FOR MORE INFORMATION.
07 PROVIDE CORNER GUARDS AND CRASH RAIL TO MATCH EXISTING CONDITIONS.
08 EXISTING CONCRETE FLOOR IN ELECTRICAL CLOSET TO REMAIN. PROVIDE CONCRETE SEALER OVER EXISTING CONCRETE FLOOR SLAB. COORDINATE DOOR TRANSITION WITH FLOORING. PAINT WALLS PT01 TO DECK ABOVE.

KEY PLAN

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FINISH 1B

Scale
As indicated

PROJECT NORTH

0 24 48 96 192

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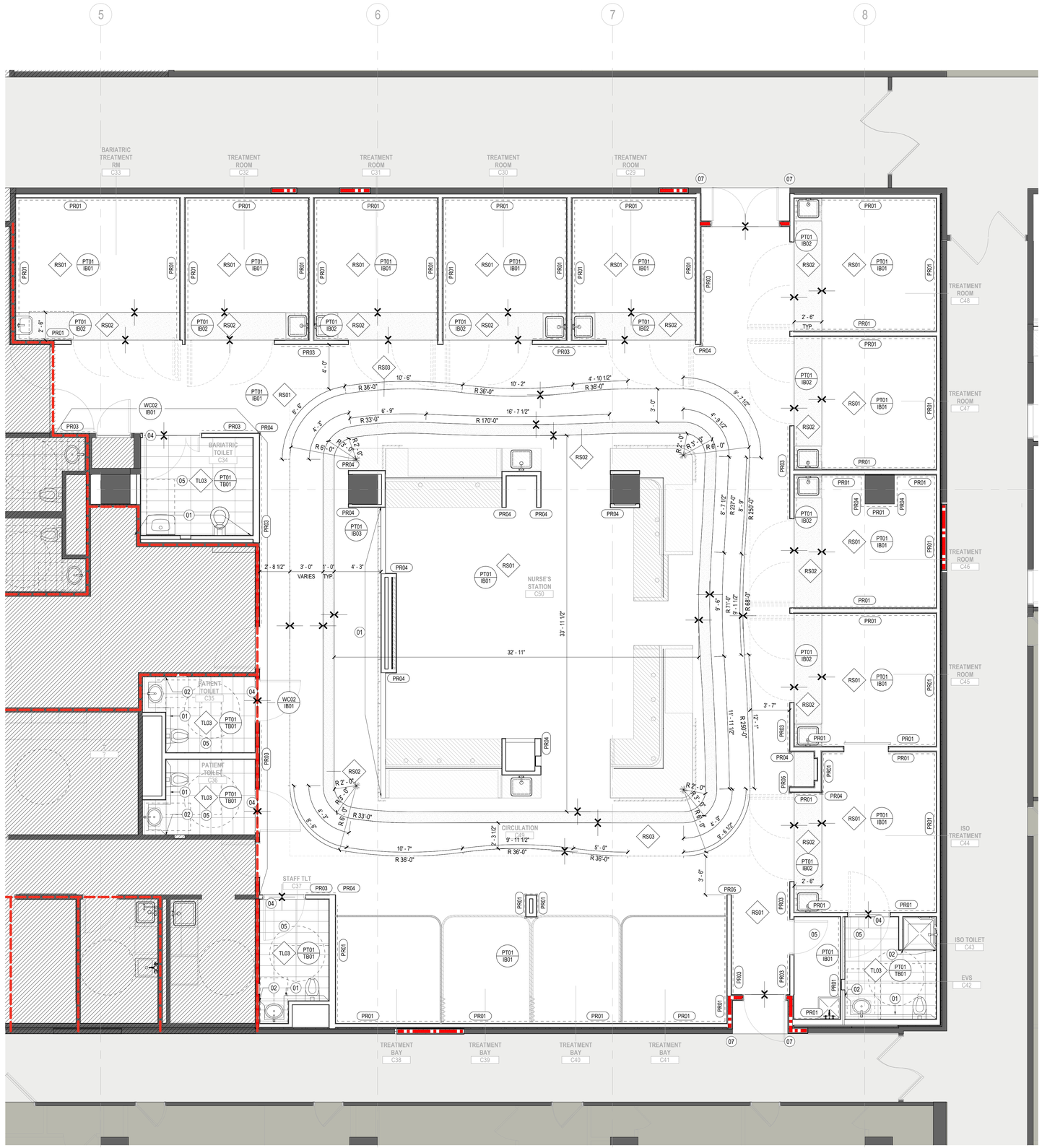

1 FINISH PLAN - PHASE 2 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. REFER TO G-002 FOR GENERAL NOTES AND G-003 FOR GRAPHIC SYMBOLS.
B. REFER TO A-030 FOR FINISH SCHEDULE. REFER TO PROJECT MANUAL FOR MORE INFORMATION.
C. REFER TO ENLARGED PLANS AND ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
D. REFER TO FINISH FLOORING TRANSITIONS FOR MORE INFORMATION.
E. ALL SCHEDULED FINISH FLOORS TO RUN COMPLETELY UNDERNEATH MILLWORK OR EQUIPMENT, U.O.N.
F. ALL DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
G. GC TO COORDINATE EXISTING FINISH REPAIRS WITHIN THE EXISTING CORRIDOR. PATCH AND REPAIR FLOORING TO MATCH EXISTING AS REQUIRED. PAINT WALLS TO MATCH EXISTING WALLS. PROVIDE BASE TO MATCH EXISTING WALLS.

SHEET NOTES

01 MULTIPLE FINISHES. REFER TO ELEVATIONS
02 PROVIDE SCHLUTER STRIP AT THE TILE ENDS
04 PROVIDE DOOR SADDLE AT RESILIENT TO TILE FLOOR TRANSITION
05 PAINT TO BE HIGH PERFORMANCE COATINGS. REFER TO SPEC 09 96 00 FOR MORE INFORMATION.
07 PROVIDE CORNER GUARDS AND CRASH RAIL TO MATCH EXISTING CONDITIONS.

KEY PLAN

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FINISH 2

Scale
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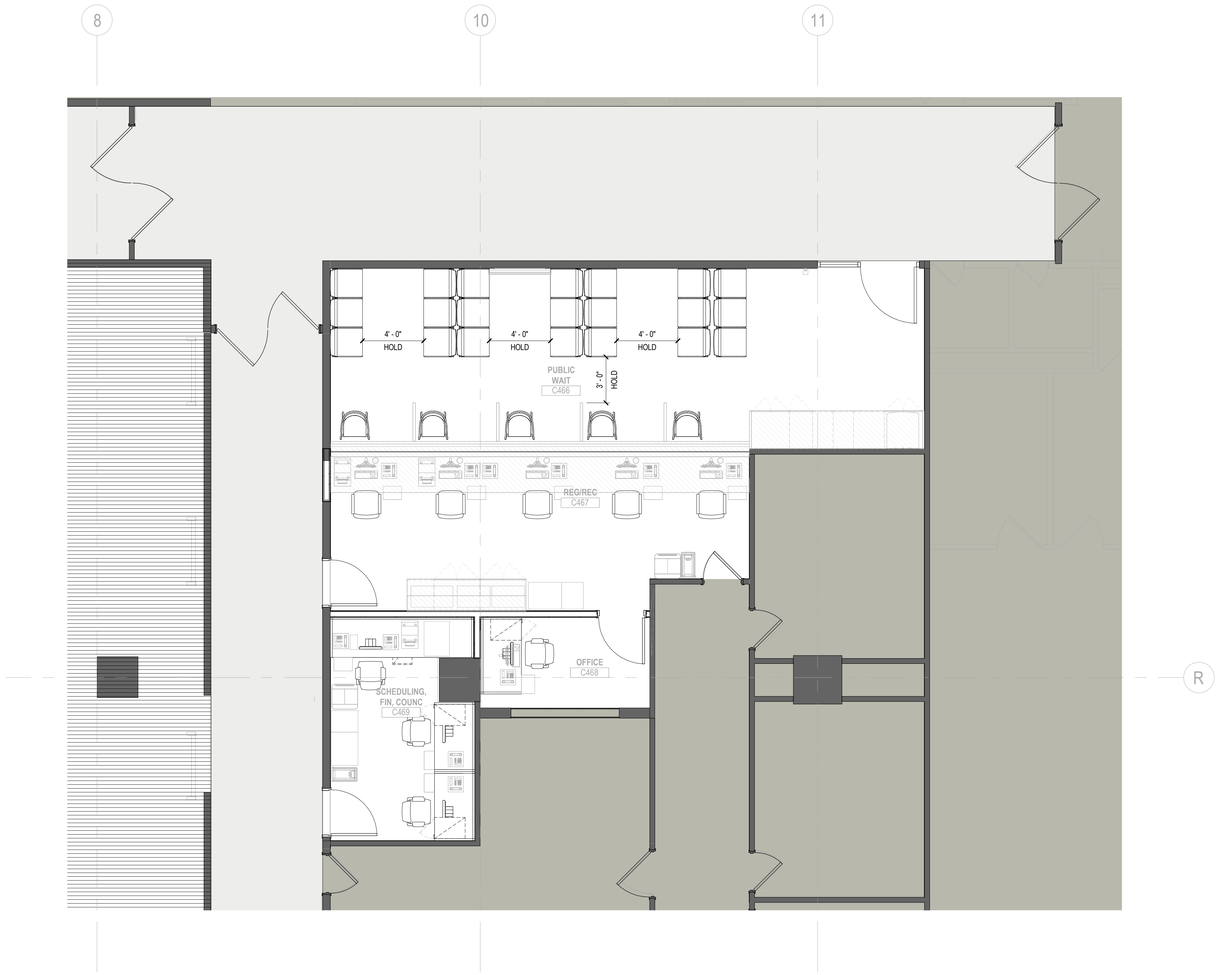

1 FURNITURE PLAN - PHASE 0 - RADIOLOGY

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

GENERAL NOTES

A. FURNITURE AND MEDICAL EQUIPMENT IS INDICATED FOR INFORMATIONAL PURPOSES ONLY.
B. GC TO COORDINATE LAYOUT OF FURNITURE AND MEDICAL EQUIPMENT WITH FURNITURE VENDOR PRIOR TO INSTALLATION OF WALL AND FLOOR MOUNTED EQUIPMENT AND DEVICES.
C. REFER TO POWER AND COMMUNICATION PLANS FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. REFER TO PROJECT MANUAL AND MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT SCHEDULES.
E. GC TO COORDINATE FURNISHING AND INSTALLATION OF FURNITURE WITH OWNER PRIOR TO INSTALLATION.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FURNITURE 0

Scale
As indicated

PROJECT NORTH

0 24 48 96 192

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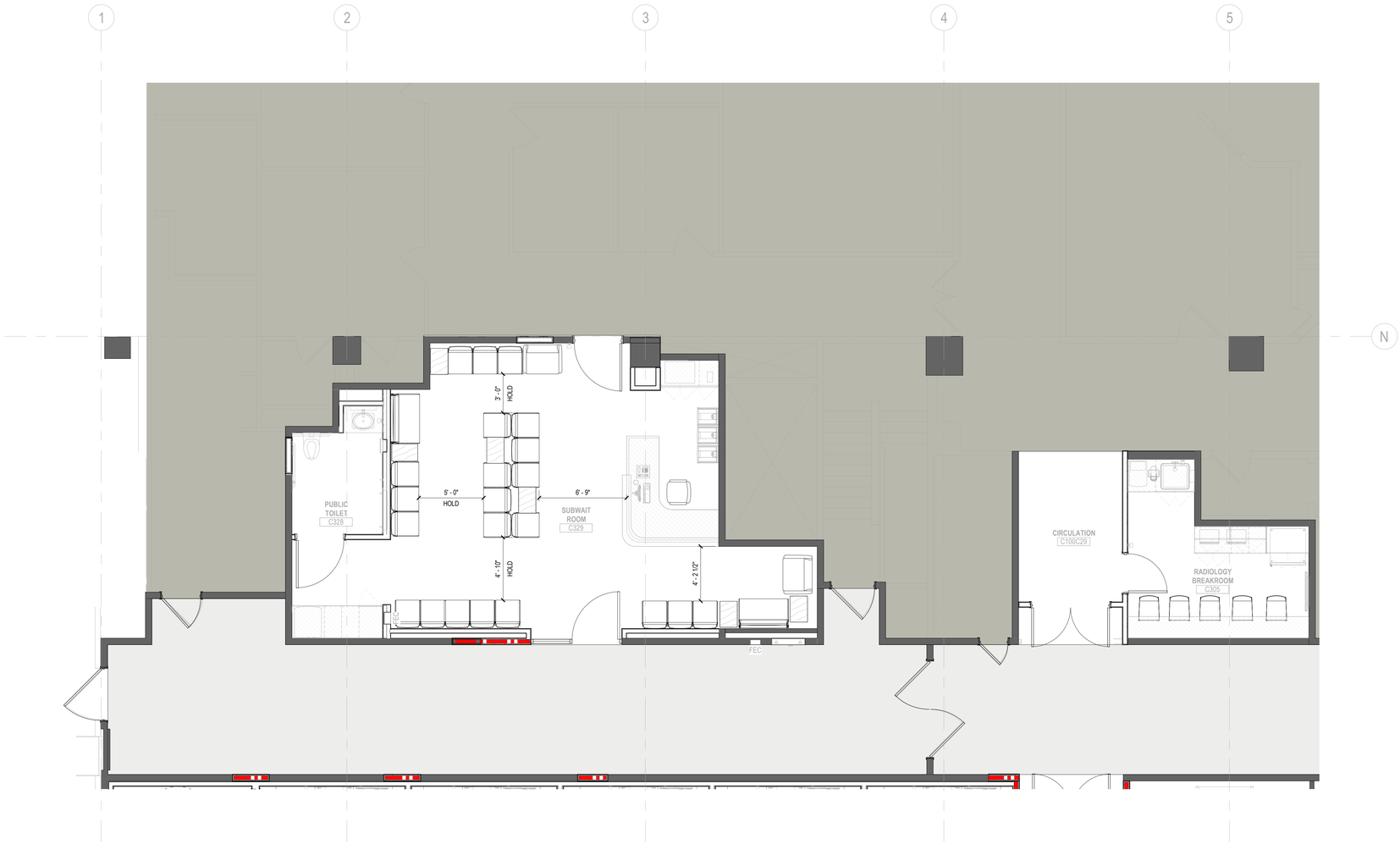

1 FURNITURE PLAN - PHASE 1 - SUBWAIT

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

GENERAL NOTES

A. FURNITURE AND MEDICAL EQUIPMENT IS INDICATED FOR INFORMATIONAL PURPOSES ONLY.
B. GC TO COORDINATE LAYOUT OF FURNITURE AND MEDICAL EQUIPMENT WITH FURNITURE VENDOR PRIOR TO INSTALLATION OF WALL AND FLOOR MOUNTED EQUIPMENT AND DEVICES.
C. REFER TO POWER AND COMMUNICATION PLANS FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
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United States
Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FURNITURE 1A

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

A-601.1A

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1 FURNITURE PLAN - PHASE 1 - EMERGENCY DEPARTMENT

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

GENERAL NOTES

A. FURNITURE AND MEDICAL EQUIPMENT IS INDICATED FOR INFORMATIONAL PURPOSES ONLY.
B. GC TO COORDINATE LAYOUT OF FURNITURE AND MEDICAL EQUIPMENT WITH FURNITURE VENDOR PRIOR TO INSTALLATION OF WALL AND FLOOR MOUNTED EQUIPMENT AND DEVICES.
C. REFER TO POWER AND COMMUNICATION PLANS FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
D. REFER TO PROJECT MANUAL AND MEDICAL EQUIPMENT LIST FOR APPLIANCE, EQUIPMENT, TOILET ACCESSORY AND MEDICAL EQUIPMENT SCHEDULES.
E. GC TO COORDINATE FURNISHING AND INSTALLATION OF FURNITURE WITH OWNER PRIOR TO INSTALLATION.

KEY PLAN

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Tel 212.382.2100

Date	Description
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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FURNITURE 1B

Scale
As indicated

PROJECT NORTH

0 24 48 96 192

A-601.1B

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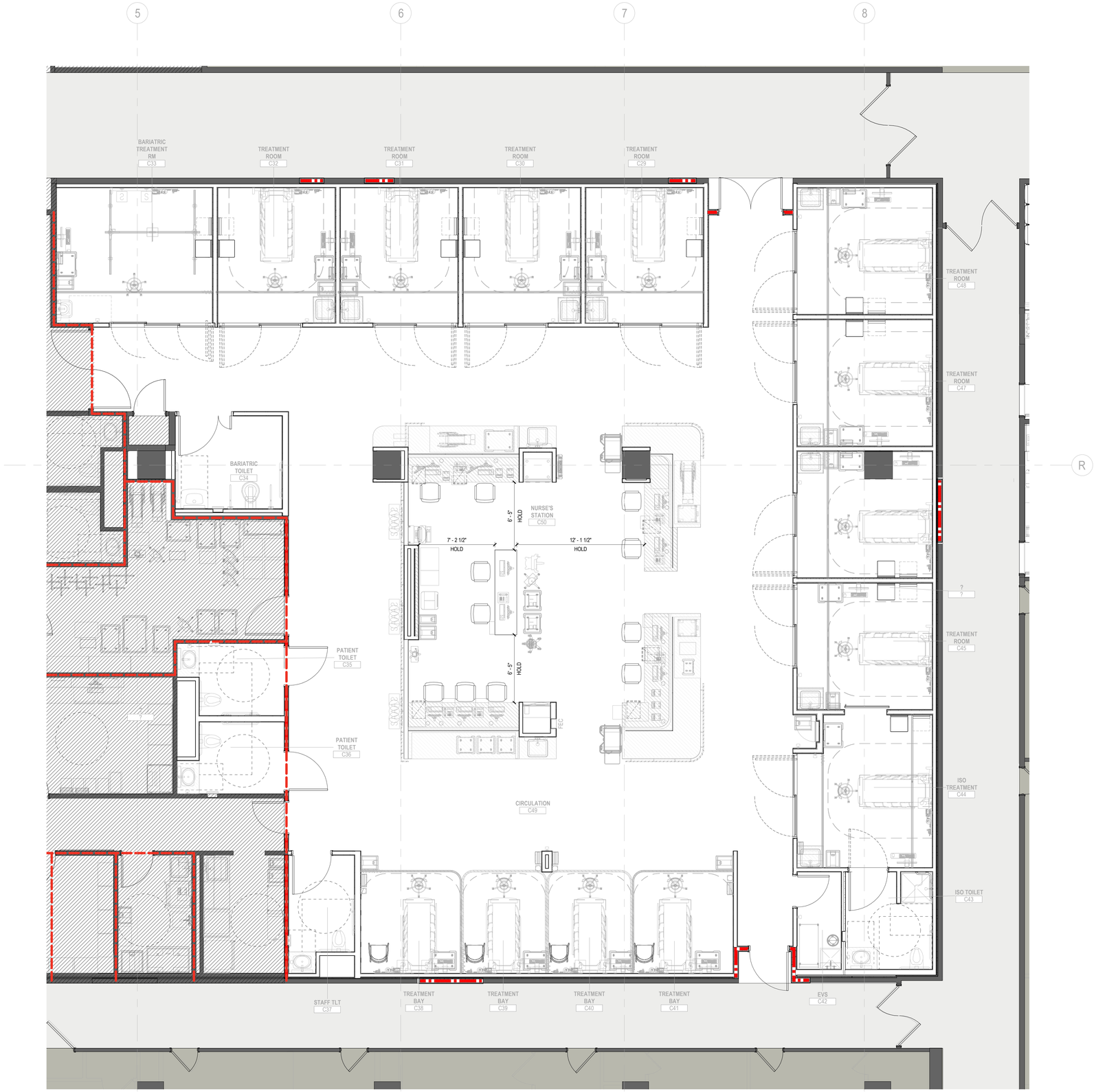

1 FURNITURE PLAN - PHASE 2 - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FURNITURE AND MEDICAL EQUIPMENT IS INDICATED FOR INFORMATIONAL PURPOSES ONLY.
B. GC TO COORDINATE LAYOUT OF FURNITURE AND MEDICAL EQUIPMENT WITH FURNITURE VENDOR PRIOR TO INSTALLATION OF WALL AND FLOOR MOUNTED EQUIPMENT AND DEVICES.
C. REFER TO POWER AND COMMUNICATION PLANS FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
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United States
Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
FURNITURE 2

Scale
As indicated
PROJECT NORTH
0 24 48 96 192

A-601.2

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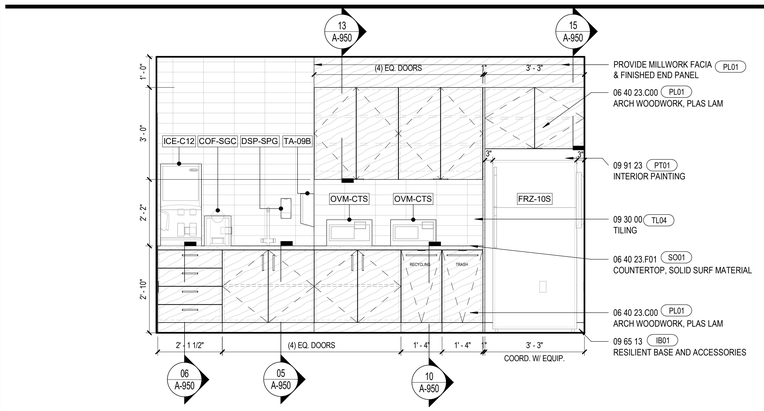
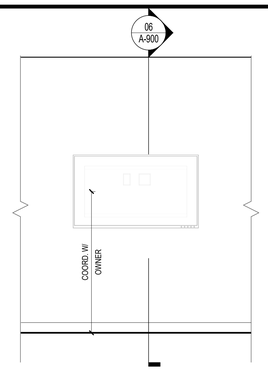
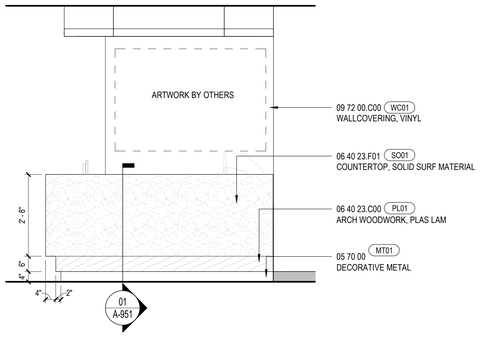


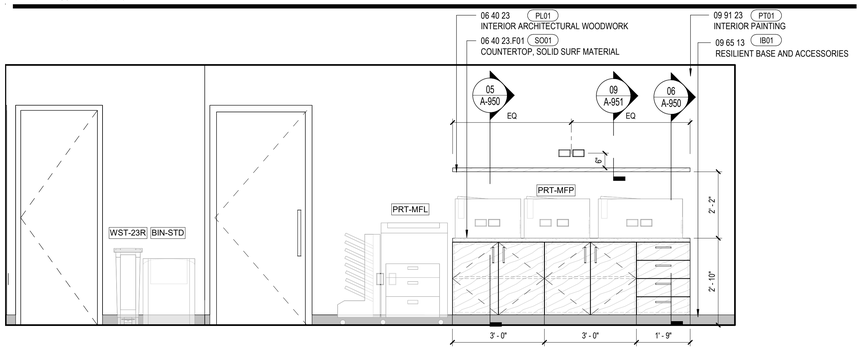
08 ELEVATION-RADIOLOGY BREAKROOM-N
SCALE: 1/2" = 1'-0"



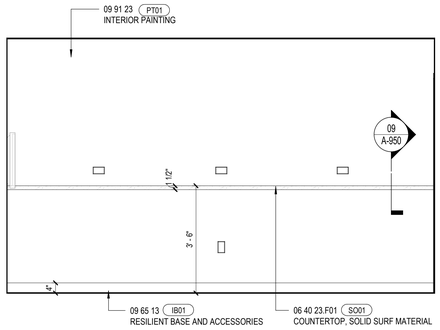
05 ELEVATION - RADIOLOGY MONITOR
SCALE: 1/2" = 1'-0"



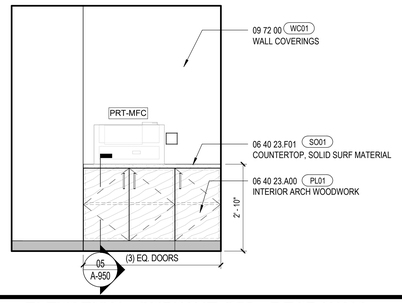
01 ELEVATION - SUBWAIT C52 RECEPTION DESK - FRONT
SCALE: 1/2" = 1'-0"



09 ELEVATION-RADIOLOGY - S
SCALE: 1/2" = 1'-0"



06 ELEVATION- RADIOLOGY BREAKROOM-S
SCALE: 1/2" = 1'-0"



02 ELEVATION - SUBWAIT C52 - REAR WALL
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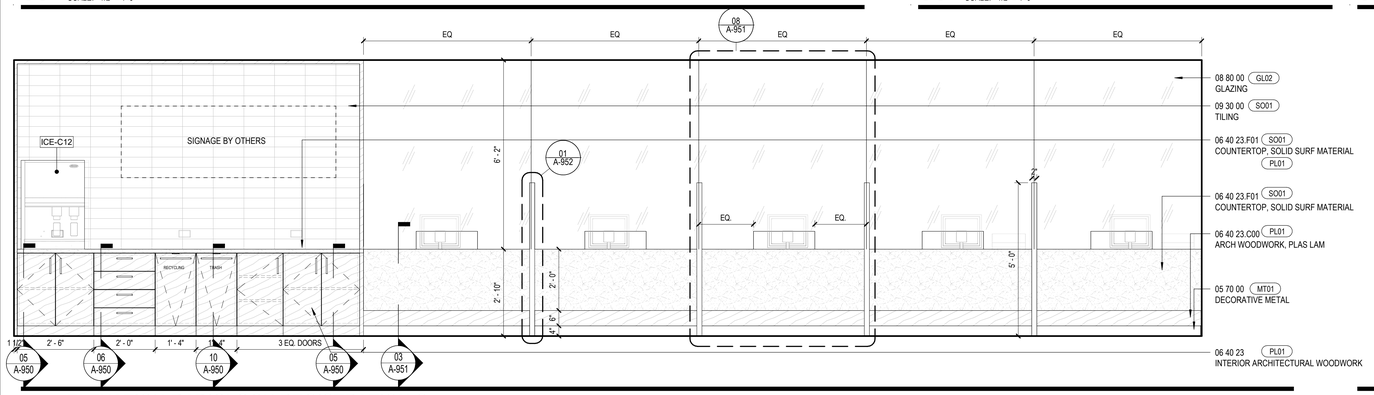
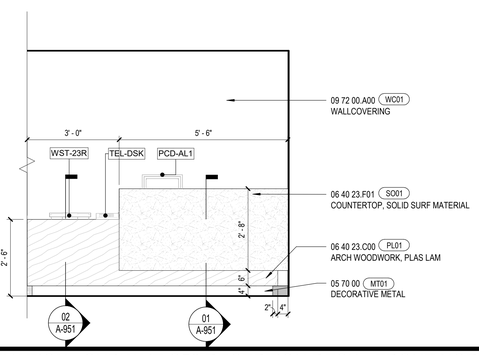
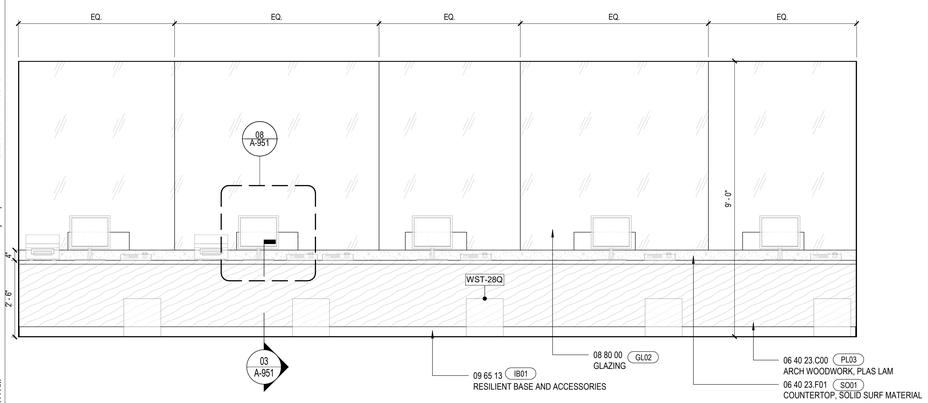


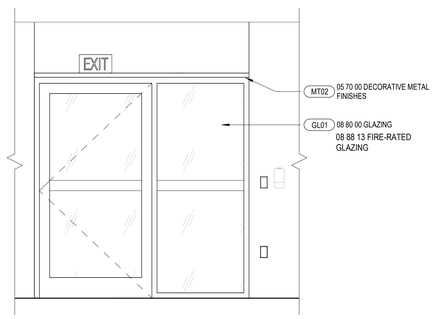
10 ELEVATION-RADIOLOGY REGISTRATION-S
SCALE: 1/2" = 1'-0"



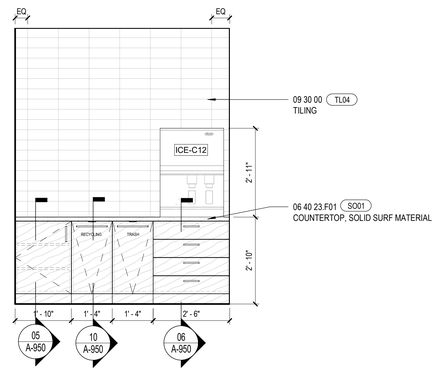
03 ELEVATION - SUBWAIT C52 RECEPTION DESK - FRONT NORTH
SCALE: 1/2" = 1'-0"



11 ELEVATION-RADIOLOGY REGISTRATION-N
SCALE: 1/2" = 1'-0"



07 ELEVATION-TYPICAL GLASS ENTRY
SCALE: 1/2" = 1'-0"



04 ELEVATION- SUBWAIT C52-WATER ICE
SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
B. ALL DEVICE LOCATIONS TO ALIGN PER ELEVATION. MOCKUP OF TYPICAL DEVICES & EQUIPMENT TO BE REVIEWED BY GC, ARCHITECT AND OWNER PRIOR TO INSTALLATION.
C. COORDINATE POWER/DATA WITH ARCHITECTUAL AND ELECTRICAL DRAWINGS. COORDINATE LOCATIONS WITH PROCURED EQUIPMENT PRIOR TO INSTALLATION.
D. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND OWNER'S VENDER.
E. COORDINATE PLUMBLING FIXTURES WITH PLUMBLING DRAWINGS.
F. MITER ALL MILLWORK COUNTER EDGES. REFER TO DETAILS FOR MORE INFORMATION.
G. WALLS TO BE PAINTED PT01, U.O.N. BASE TO BE IB01 U.O.N.
H. GRAIN DIRECTION TO BE VERTICAL, U.O.N.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
RADIOLOGY/WAITING

Scale
1/2" = 1'-0"

A-700

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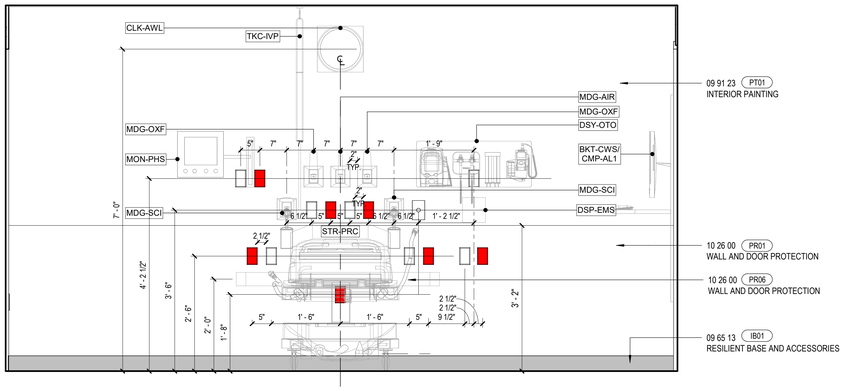
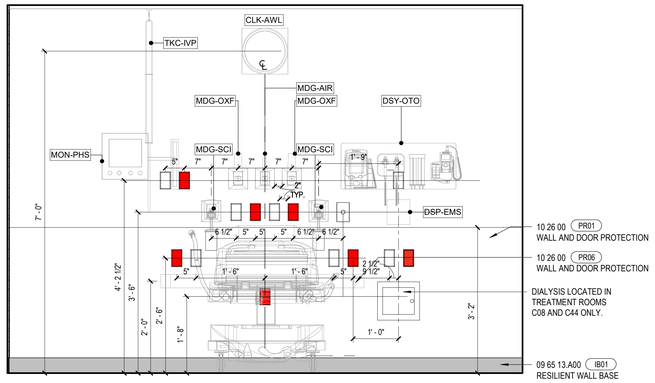
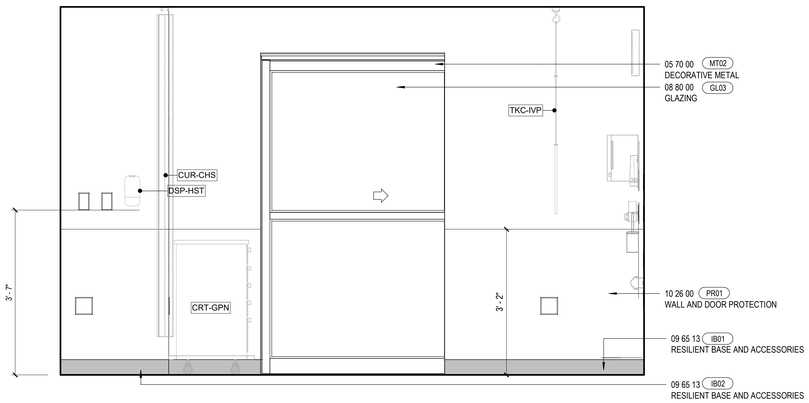


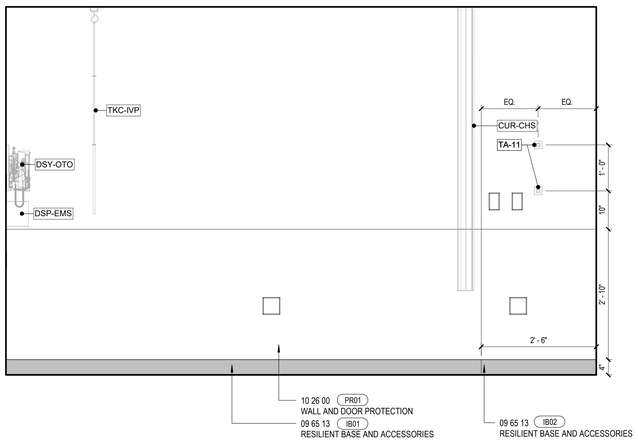
04 ELEVATION-TYP. ISOLATION ROOM-C44-E
SCALE: 3/4" = 1'-0"



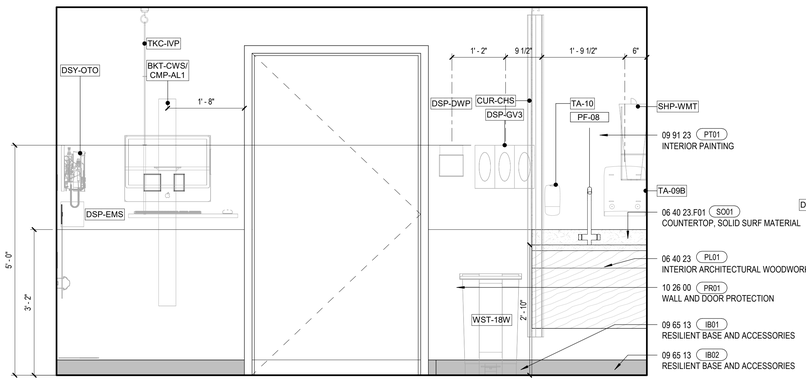
01 ELEVATION - TYP.TREAT ROOM-C10-W
SCALE: 3/4" = 1'-0"



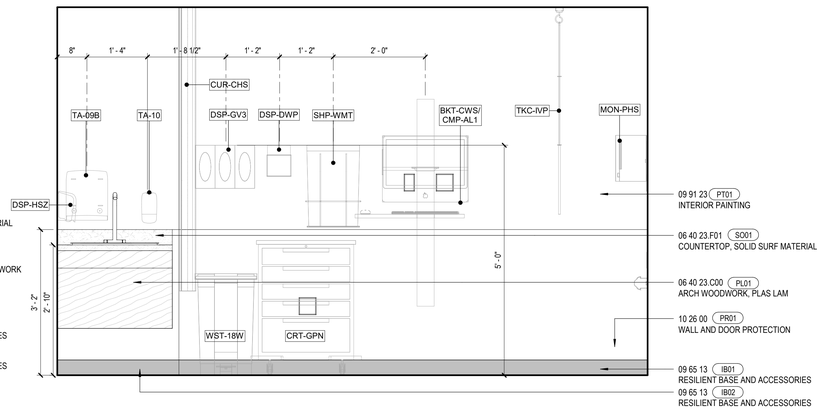
05 ELEVATION-TYP. ISOLATION ROOM-C44-N
SCALE: 3/4" = 1'-0"



02 ELEVATION-TYP. TREAT ROOM-C10-N
SCALE: 3/4" = 1'-0"



06 ELEVATION-TYP. ISOLATION ROOM-C44-S
SCALE: 3/4" = 1'-0"



03 ELEVATION-TYP.TREAT. ROOM-C10-S
SCALE: 3/4" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
B. ALL DEVICE LOCATIONS TO ALIGN PER ELEVATION. MOCKUP OF TYPICAL DEVICES & EQUIPMENT TO BE REVIEWED BY GC, ARCHITECT AND OWNER PRIOR TO INSTALLATION.
C. COORDINATE POWER/DATA WITH ARCHITECTUAL AND ELECTRICAL DRAWINGS. COORDINATE LOCATIONS WITH PROCURED EQUIPMENT PRIOR TO INSTALLATION.
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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
TYP. TREAT & ISO RMS

Scale
3/4" = 1'-0"

A-701

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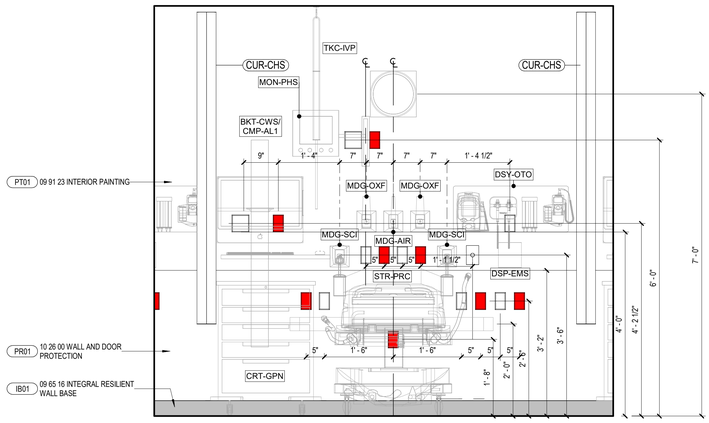
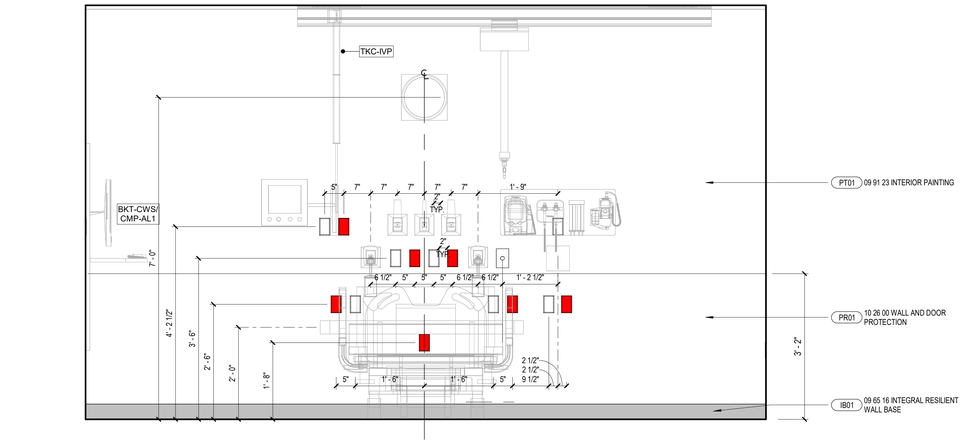


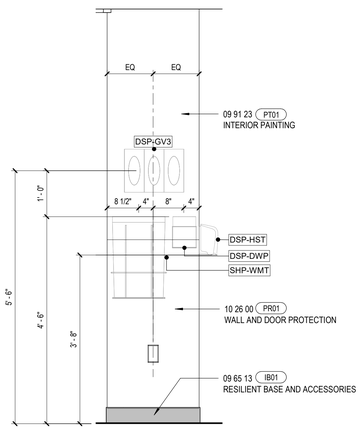
04 ELEVATION- TYP TREATMENT BAYS-S

SCALE: 3/4" = 1'-0"



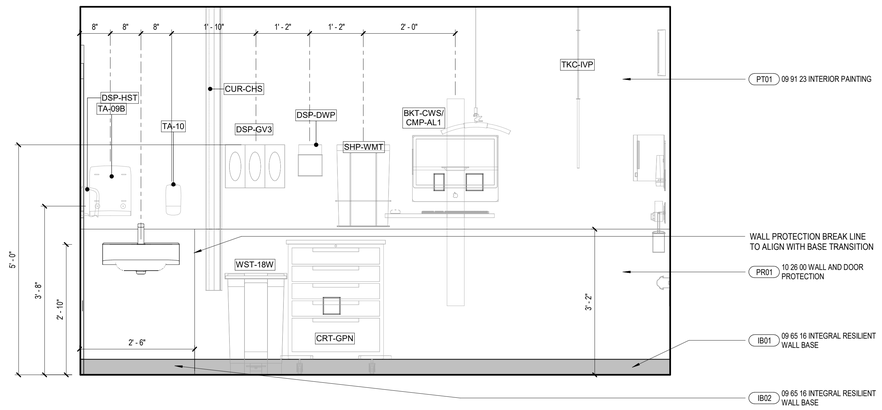
01 ELEVATION-BARIATRIC ROOM-N

SCALE: 3/4" = 1'-0"



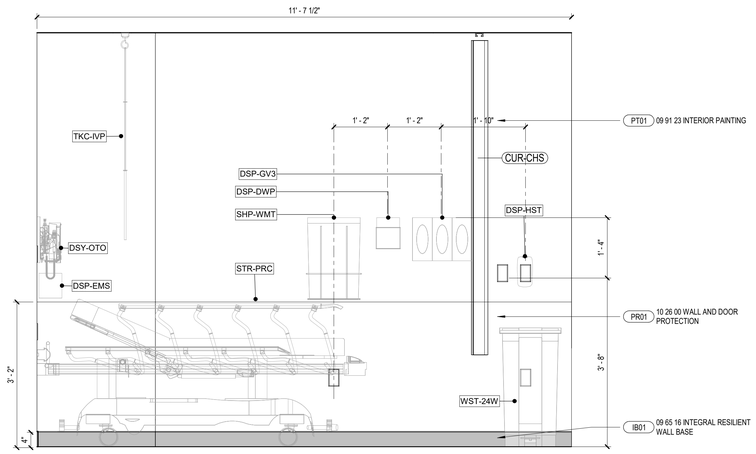
05 ELEVATION-TREATMENT BAY COLUMNS

SCALE: 3/4" = 1'-0"



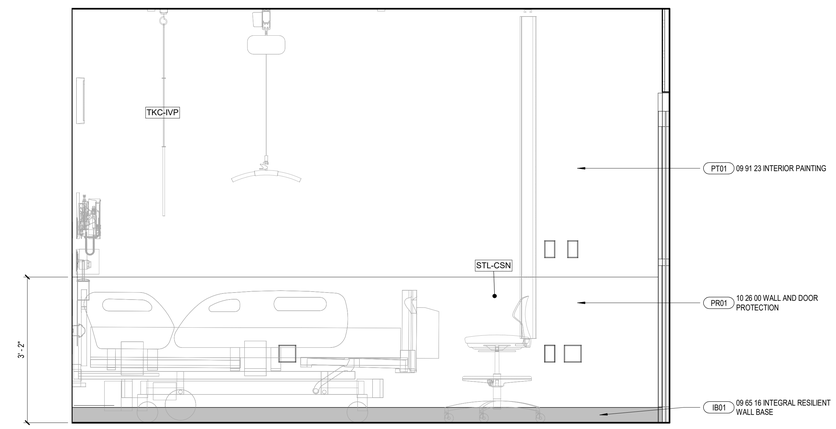
02 ELEVATION-BARIATRIC ROOM-W

SCALE: 3/4" = 1'-0"



06 ELEVATION-TREATMENT BAY END WALL

SCALE: 3/4" = 1'-0"



03 ELEVATION-BARIATRIC ROOM-E

SCALE: 3/4" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
TYP. BARI RM & TREAT BAY

Scale
3/4" = 1'-0"

A-702

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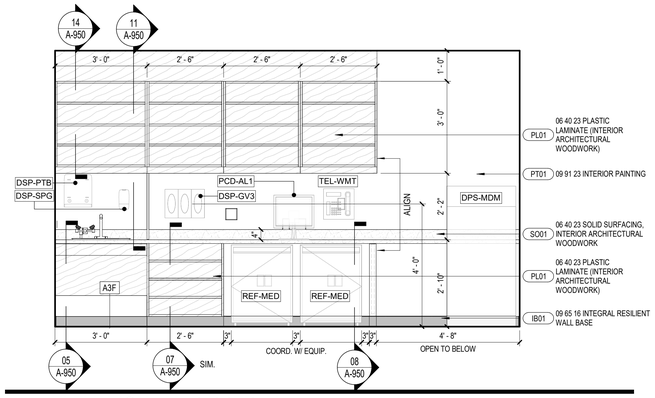
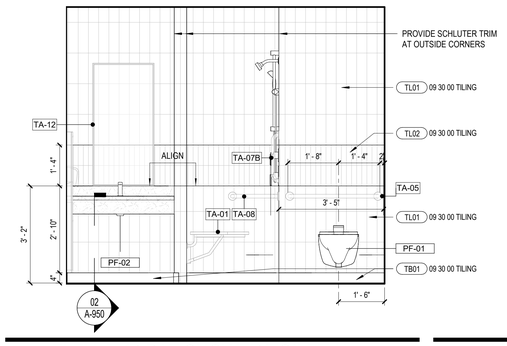
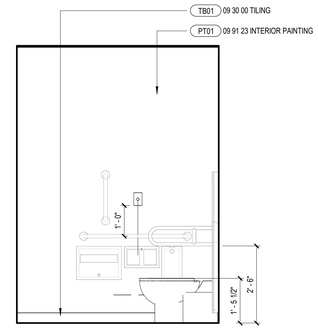


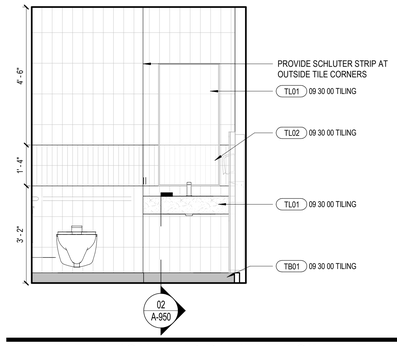
13 ELEVATION - MED PREP -N
SCALE: 1/2" = 1'-0"



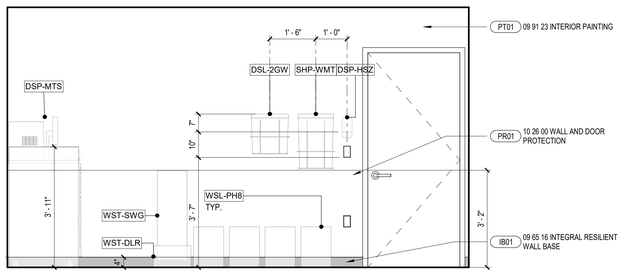
09 ELEV- TYP PAT SHOWER/TOILET-N
SCALE: 1/2" = 1'-0"



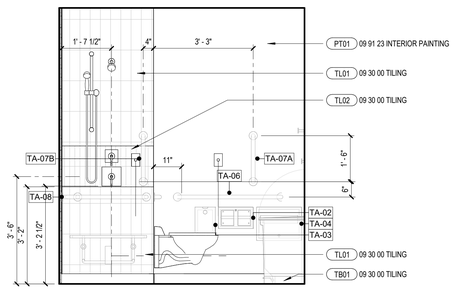
05 ELEVATION - BARIATRIC TOILET C28A - E
SCALE: 1/2" = 1'-0"



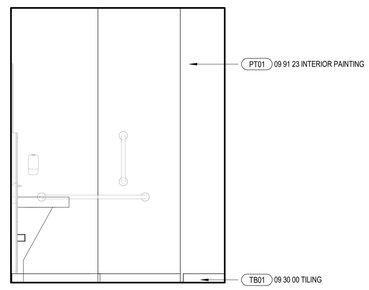
01 ELEVATION - TYP PATIENT TOILET -E
SCALE: 1/2" = 1'-0"



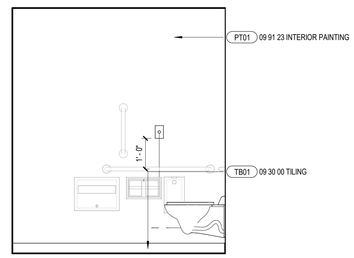
14 ELEVATION-MED PREP-S
SCALE: 1/2" = 1'-0"



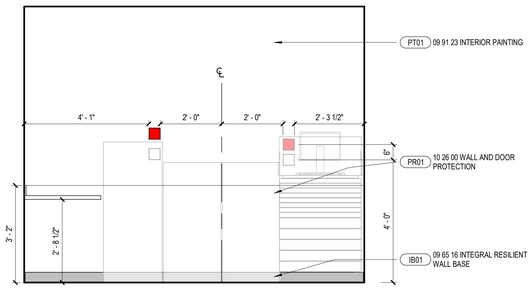
10 ELEVATION - TYP PAT SHOWER/TOILET- E
SCALE: 1/2" = 1'-0"



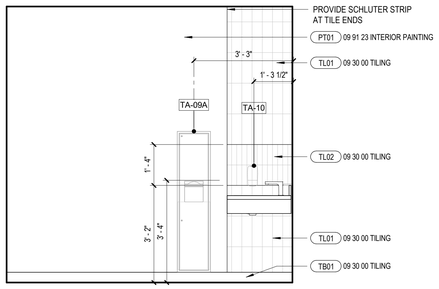
06 ELEVATION - BARIATRIC TOILET C28A - W
SCALE: 1/2" = 1'-0"



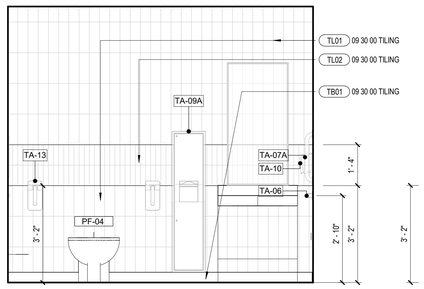
02 ELEVATION - TYP PATIENT TOILET-N
SCALE: 1/2" = 1'-0"



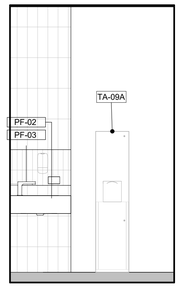
15 ELEVATION - MED PREP - W
SCALE: 1/2" = 1'-0"



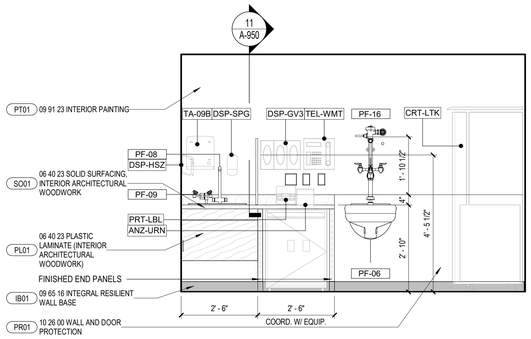
11 ELEVATION - TYP PAT SHOWER/TOILET-W
SCALE: 1/2" = 1'-0"



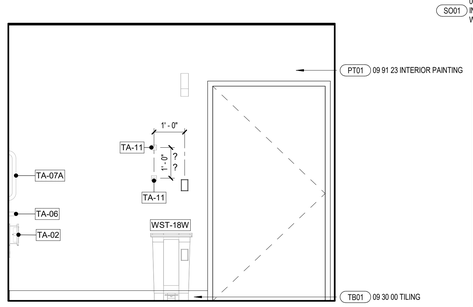
07 ELEVATION - BARIATRIC TOILET C28A - S
SCALE: 1/2" = 1'-0"



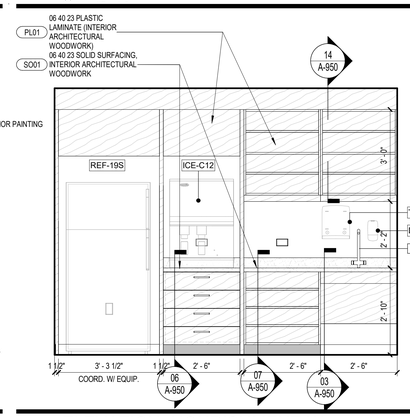
03 ELEVATION - TYP PATIENT TOILET- S
SCALE: 1/2" = 1'-0"



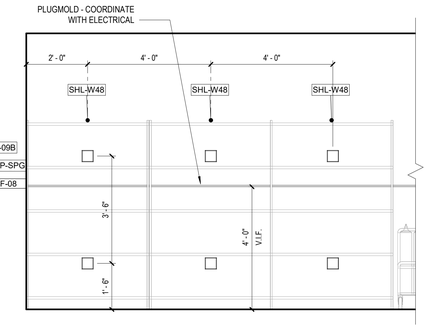
16 ELEVATION-SOILED WORK ROOM - E
SCALE: 1/2" = 1'-0"



12 ELEVATION - TYP PAT SHOWER/TOILET- S
SCALE: 1/2" = 1'-0"



08 ELEVATION- NOURISHMENT-W
SCALE: 1/2" = 1'-0"



04 ELEVATION - EQUIPMENT ROOM TYP.
SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
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H. GRAIN DIRECTION TO BE VERTICAL, U.O.N.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
TYP. SUPPORT ROOMS

Scale
1/2" = 1'-0"

A-703

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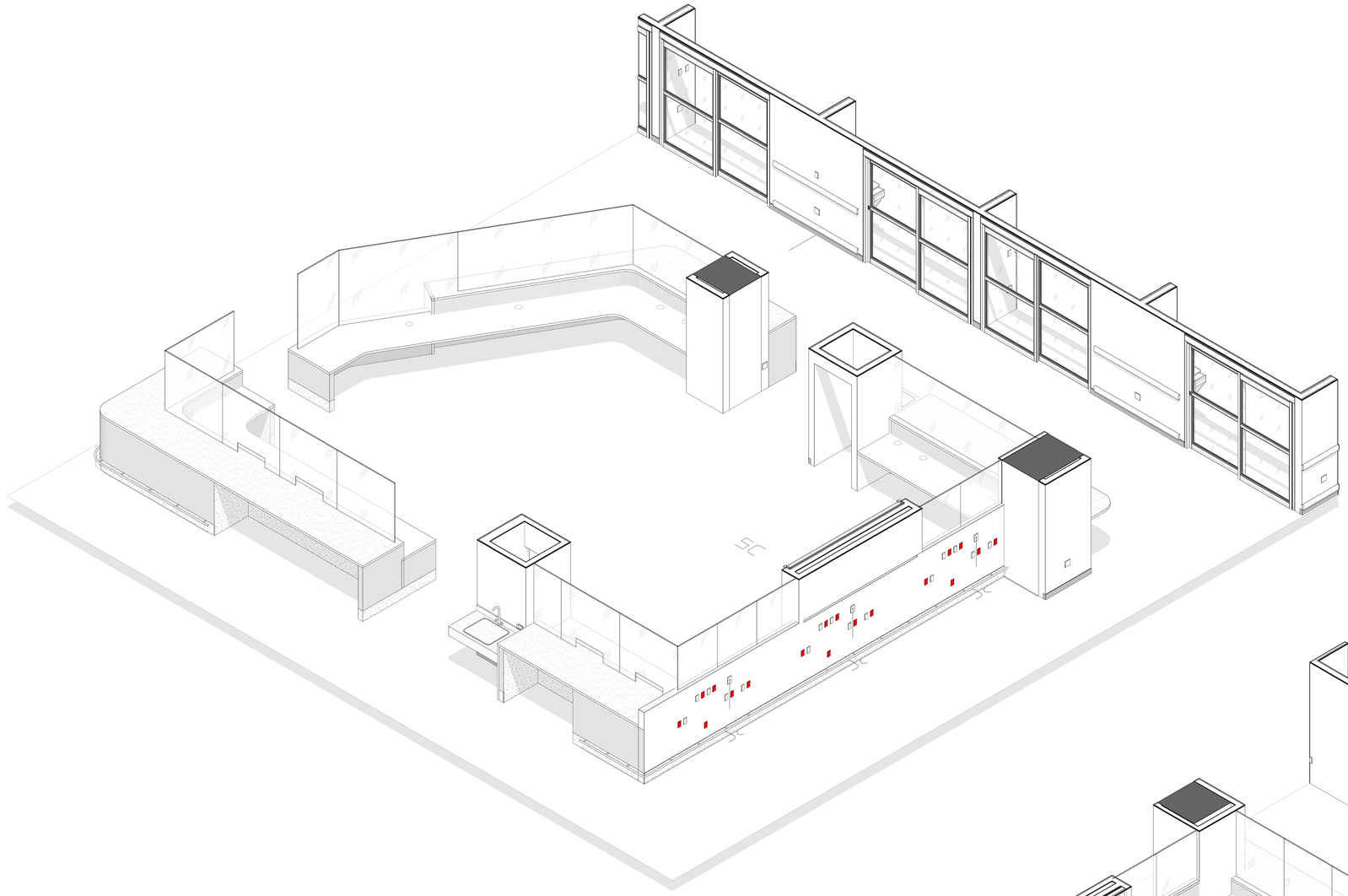

02 AXON - CARE TEAM PHASE 1
SCALE:

01 AXON - CARE TEAM PHASE 2
SCALE:

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
AXON NURSE'S STATION

Scale

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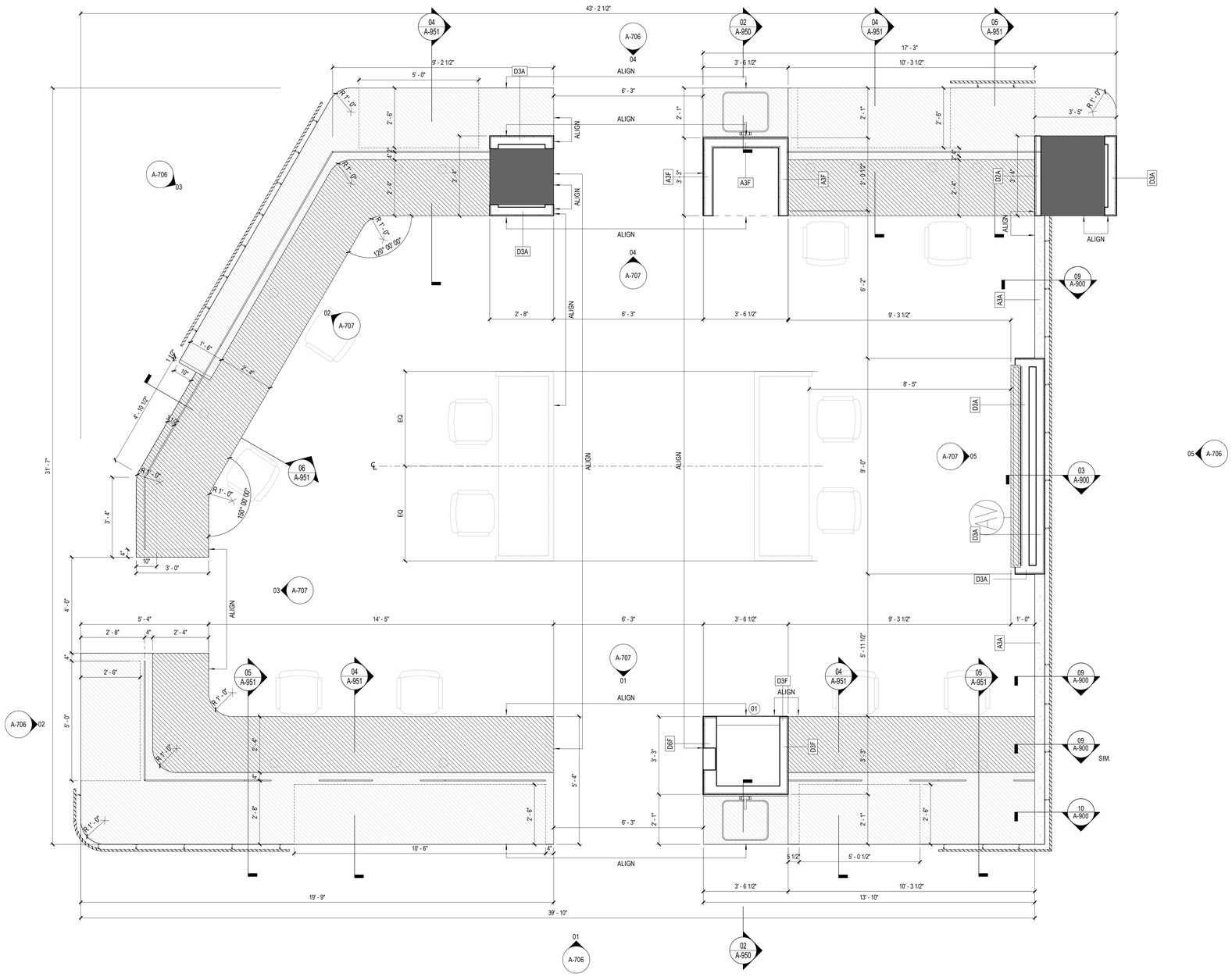

01 ENLARGED PLAN-NURSE'S STATION - PHASE 1

SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
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G. WALLS TO BE PAINTED PT01, U.O.N. BASE TO BE IB01 U.O.N.
H. GRAIN DIRECTION TO BE VERTICAL, U.O.N.

SHEET NOTES

01 COORDINATE PNEUMATIC TUBE SYSTEM WITH OWNER AND EXISTING LINES. PROVIDE NEW STATION AND CONNECT TO EXISTING LINES. REFER TO SPEC SECTION 14 92 00 FOR MORE INFORMATION.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
NURSE'S STATION 1

Scale
1/2" = 1'-0"

A-705

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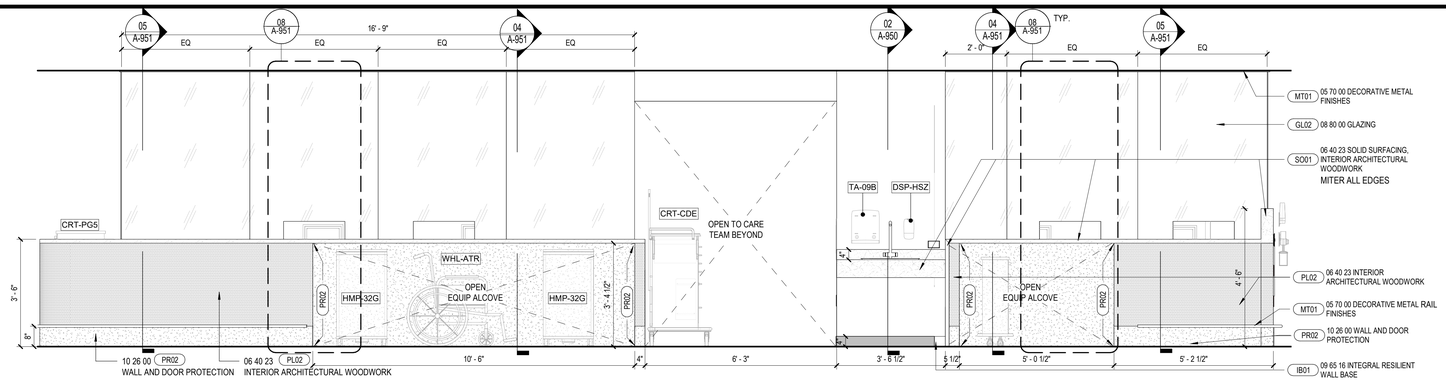
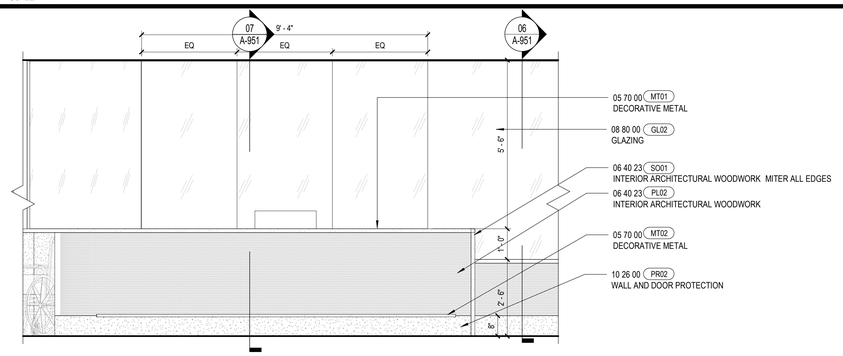


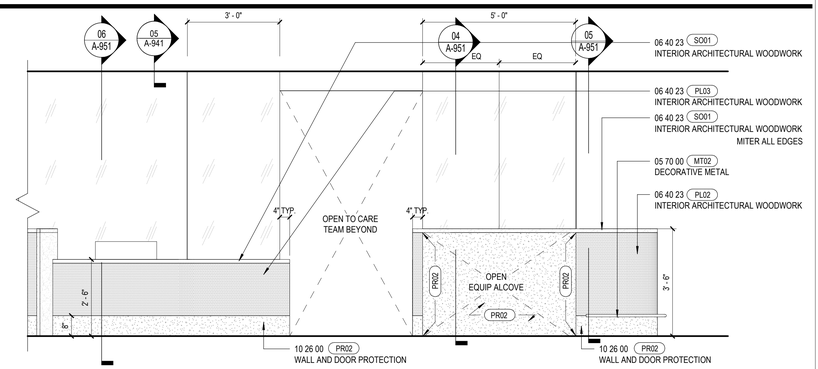
01 ELEVATION - NURSE STATION C27 - OUTSIDE 1

SCALE: 1/2" = 1'-0"



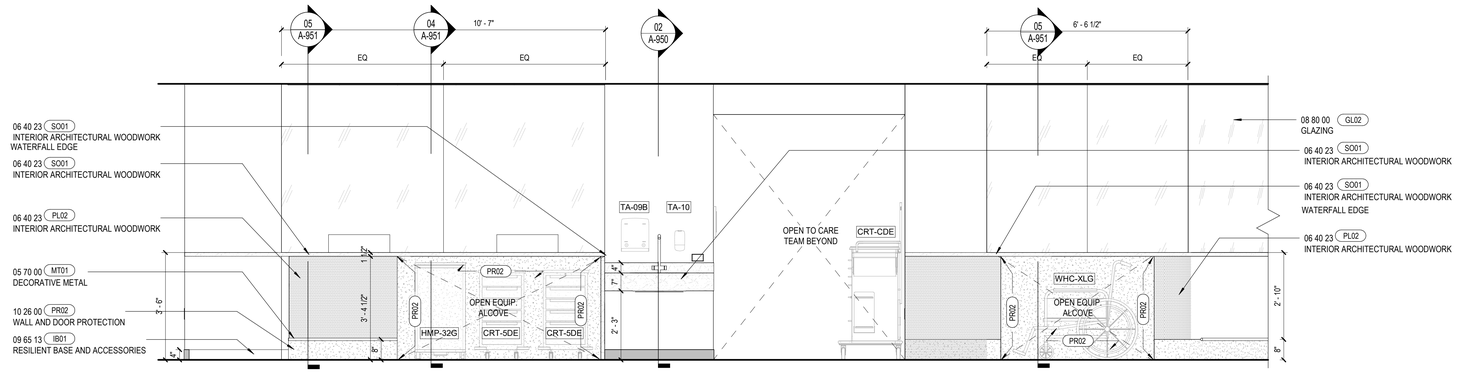
03 ELEVATION - NURSE STATION C27 - OUTSIDE 3

SCALE: 1/2" = 1'-0"



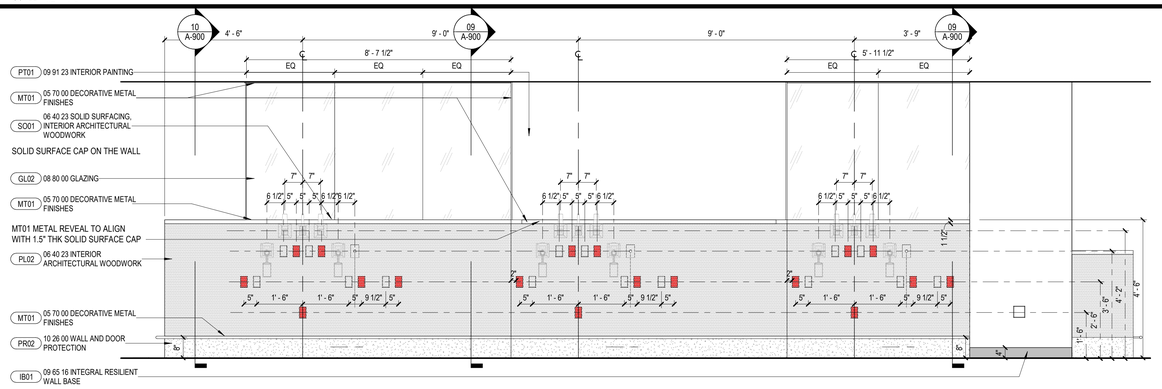
02 ELEVATION - NURSE STATION C27 - OUTSIDE 2

SCALE: 1/2" = 1'-0"



04 ELEVATION - NURSE STATION C27 - OUTSIDE 4

SCALE: 1/2" = 1'-0"



05 ELEVATION - NURSE STATION C27 - CORRIDOR STRETCHERS

SCALE: 1/2" = 1'-0"

GENERAL NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
NURSE'S STATION 1

Scale
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A-706

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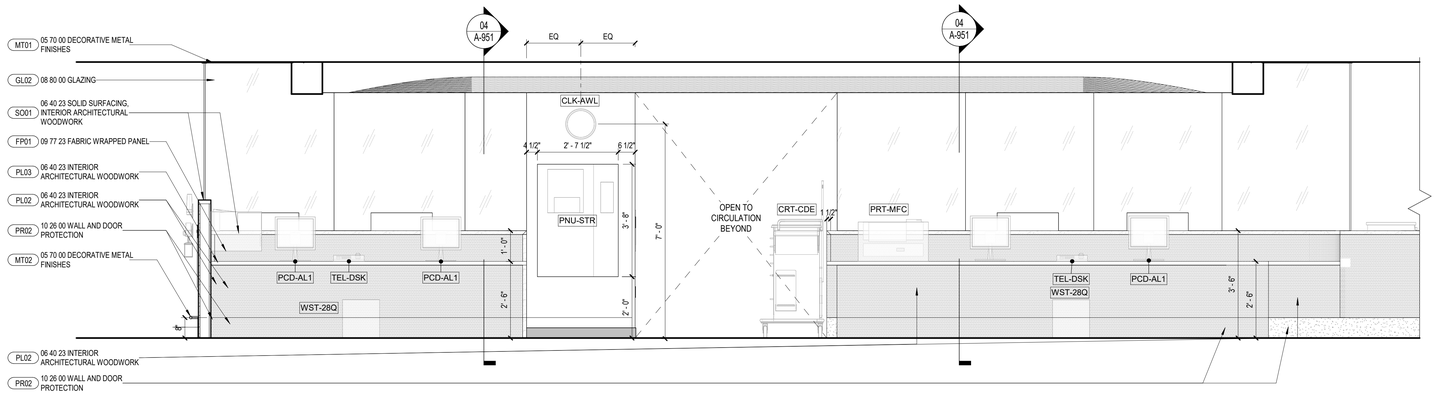
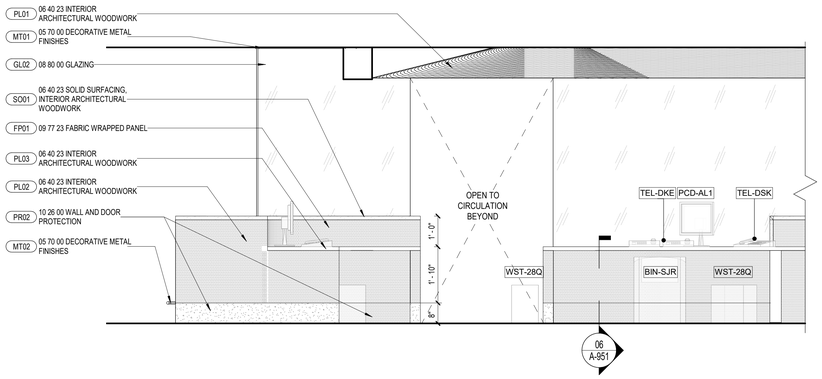


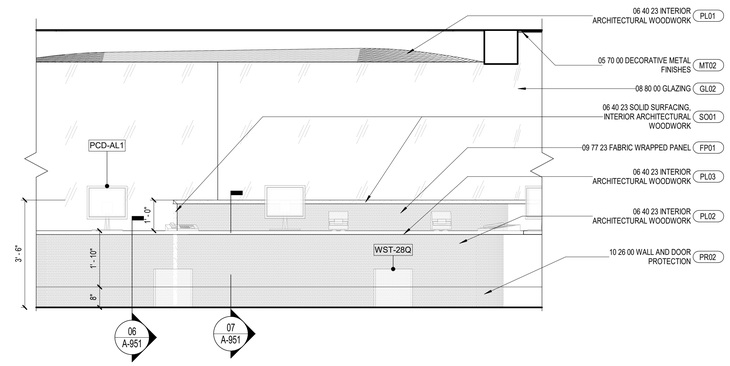
01 ELEVATION - CARE TEAM C27 - INSIDE 1

SCALE: 1/2" = 1'-0"



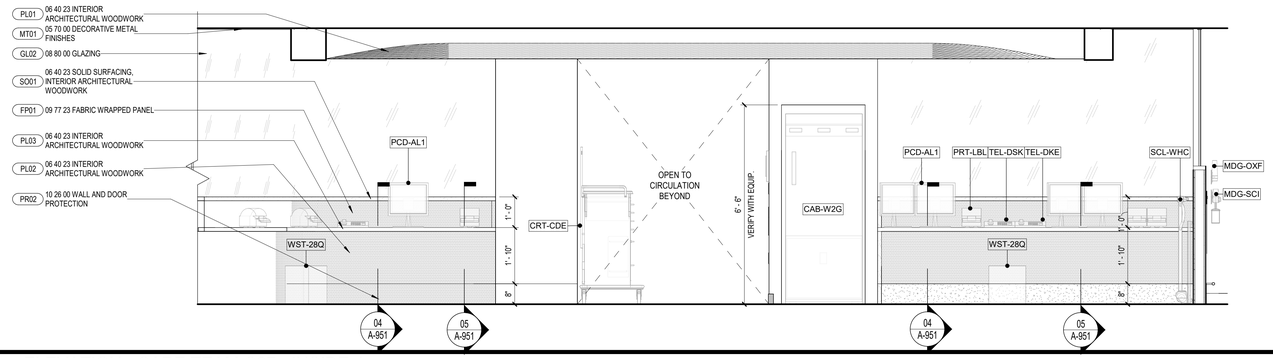
03 ELEVATION - CARE TEAM C27 - INSIDE 3

SCALE: 1/2" = 1'-0"



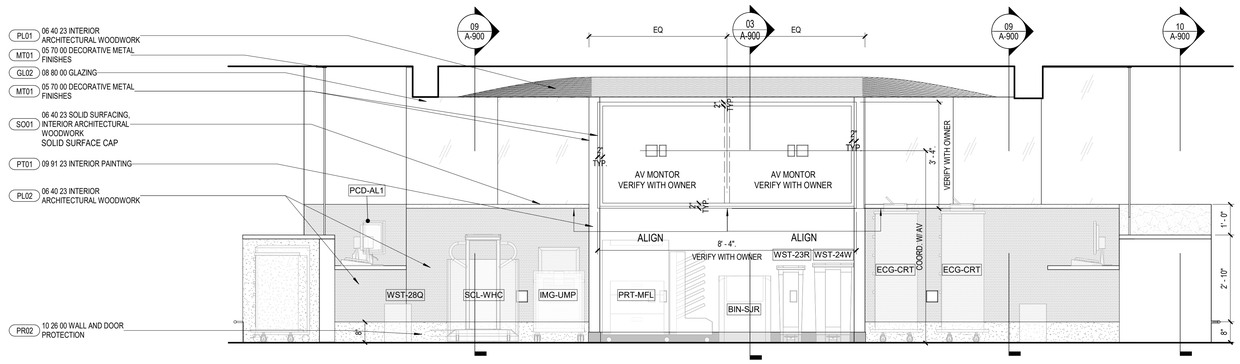
02 ELEVATION - CARE TEAM C27 - INSIDE 2

SCALE: 1/2" = 1'-0"



04 ELEVATION - CARE TEAM C27 - INSIDE 4

SCALE: 1/2" = 1'-0"



05 ELEVATION - CARE TEAM C27 - INSIDE 5

SCALE: 1/2" = 1'-0"

GENERAL NOTES

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
NURSE'S STATION 1

Scale
1/2" = 1'-0"

A-707

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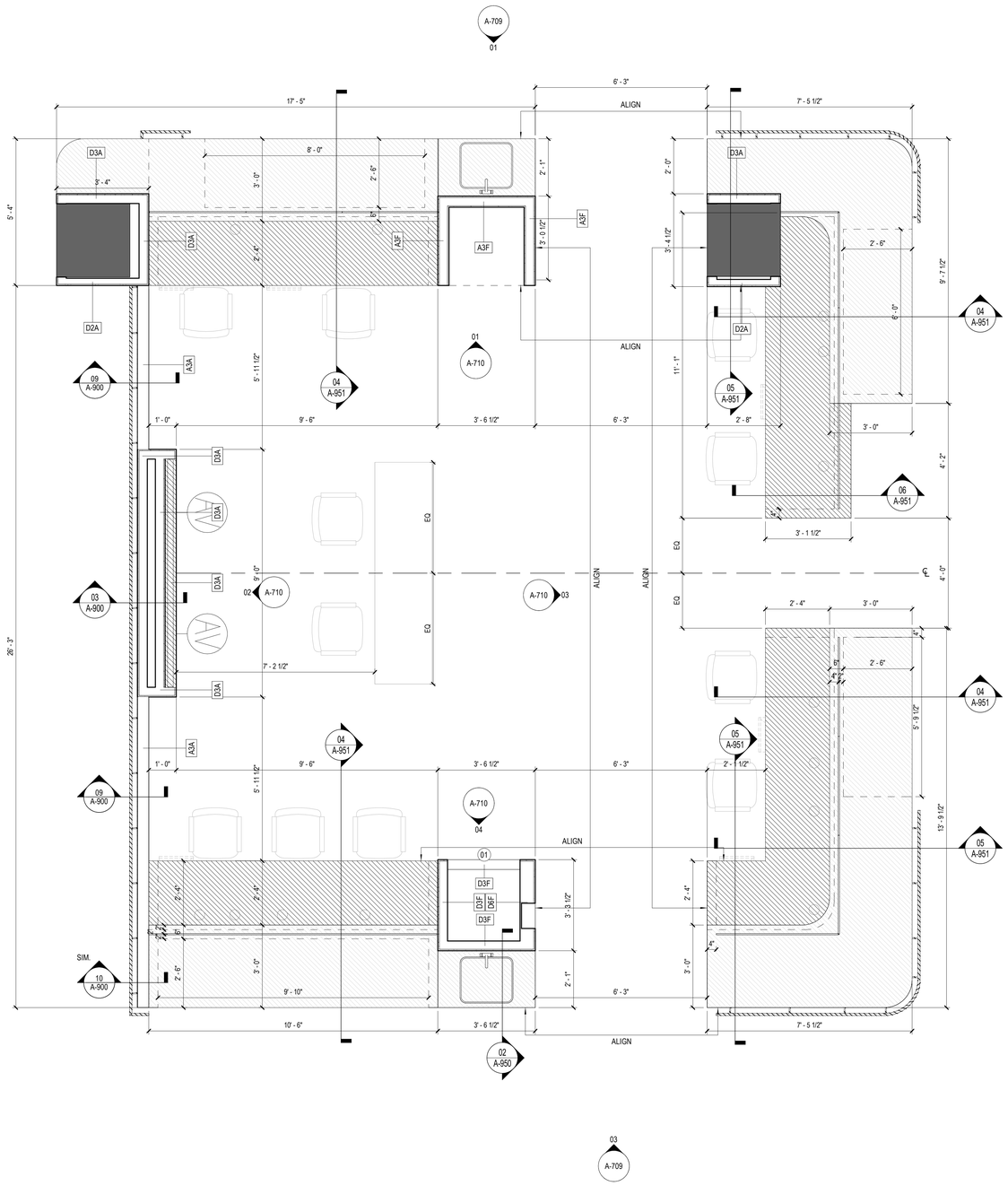

1 ENLARGED PLAN- NURSE'S STATION- PHASE 2

SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
NURSE'S STATION 2

Scale
1/2" = 1'-0"

A-708

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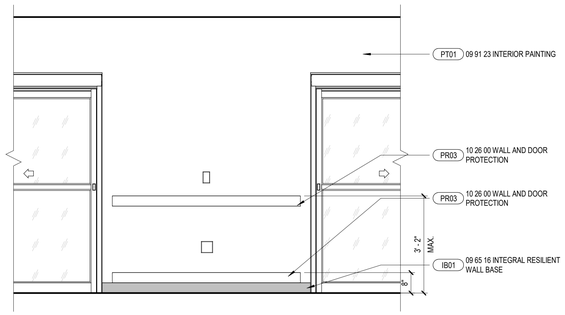
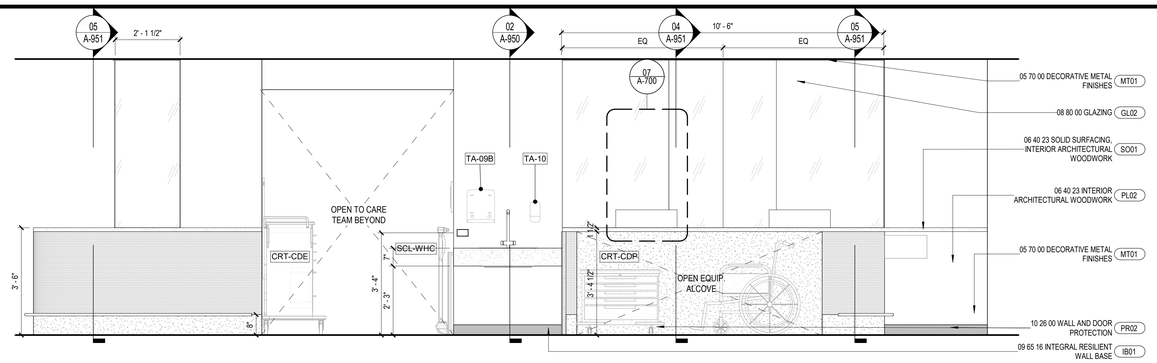
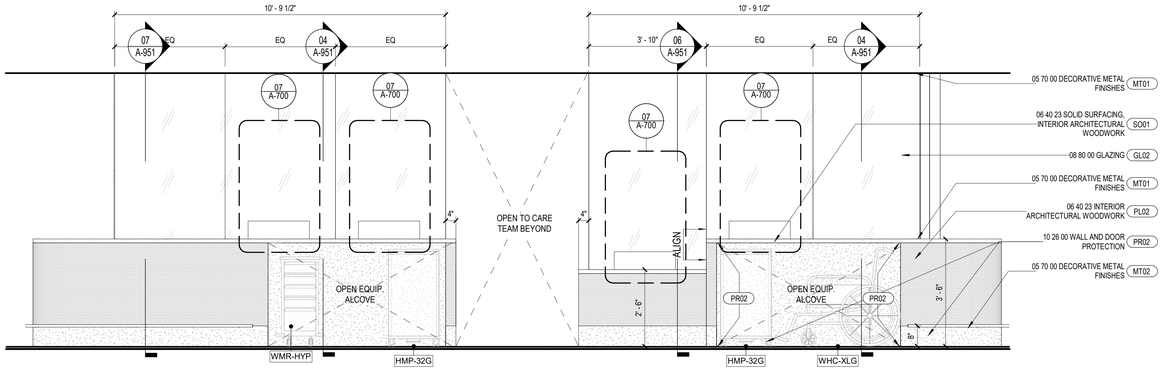


05 TYPICAL CORRIDOR ELEVATION
SCALE: 1/2" = 1'-0"



01 ELEVATION - NURSE STATION C49 - OUTSIDE 1
SCALE: 1/2" = 1'-0"



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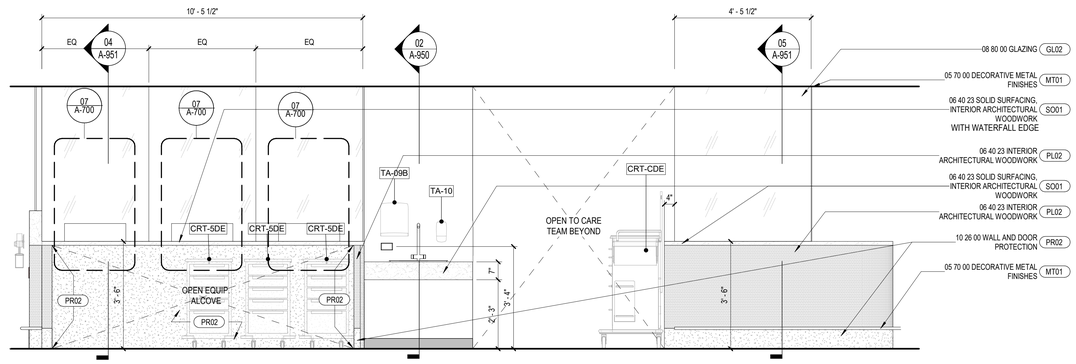
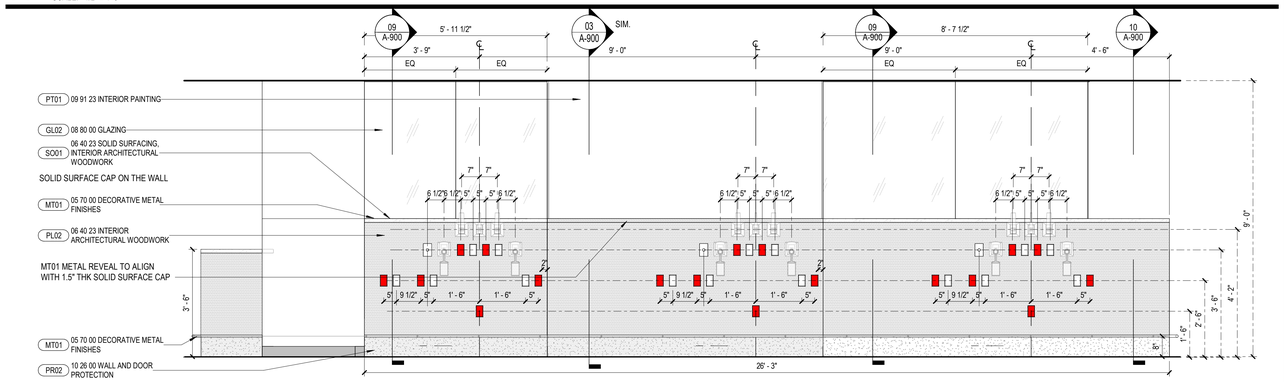


03 ELEVATION - NURSE STATION C49 - OUTSIDE 3
SCALE: 1/2" = 1'-0"



04 ELEVATION - NURSE STATION C49 - OUTSIDE 4
SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
B. ALL DEVICE LOCATIONS TO ALIGN PER ELEVATION. MOCKUP OF TYPICAL DEVICES & EQUIPMENT TO BE REVIEWED BY GC, ARCHITECT AND OWNER PRIOR TO INSTALLATION.
C. COORDINATE POWER/DATA WITH ARCHITECTUAL AND ELECTRICAL DRAWINGS. COORDINATE LOCATIONS WITH PROCURED EQUIPMENT PRIOR TO INSTALLATION.
D. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND OWNER'S VENDER.
E. COORDINATE PLUMBLING FIXTURES WITH PLUMBLING DRAWINGS.
F. MITER ALL MILLWORK COUNTER EDGES. REFER TO DETAILS FOR MORE INFORMATION.
G. WALLS TO BE PAINTED PT01, U.O.N. BASE TO BE IB01 U.O.N.
H. GRAIN DIRECTION TO BE VERTICAL, U.O.N.

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United States
Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION

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NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
NURSE'S STATION 2

Scale
1/2" = 1'-0"

A-709

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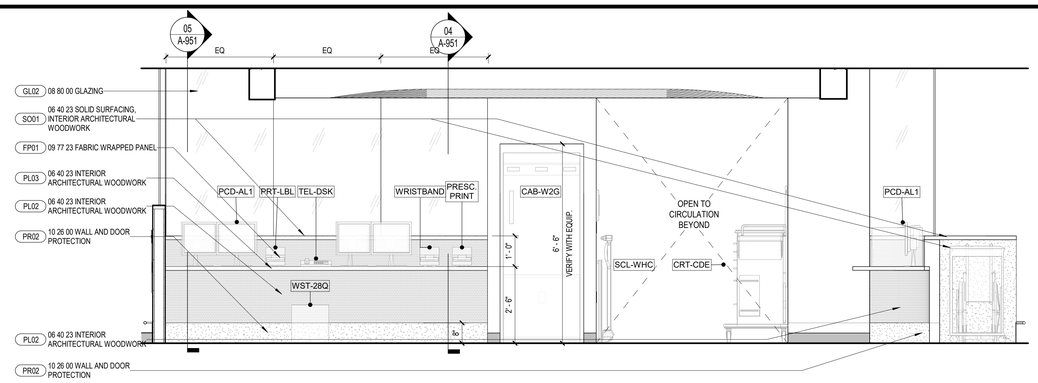

01 ELEVATION- NURSE STATION -RECPTION DESK-NN

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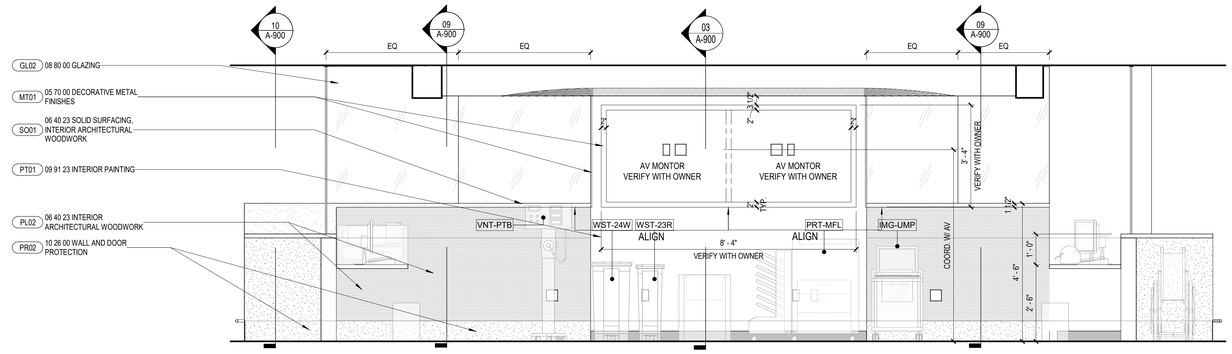
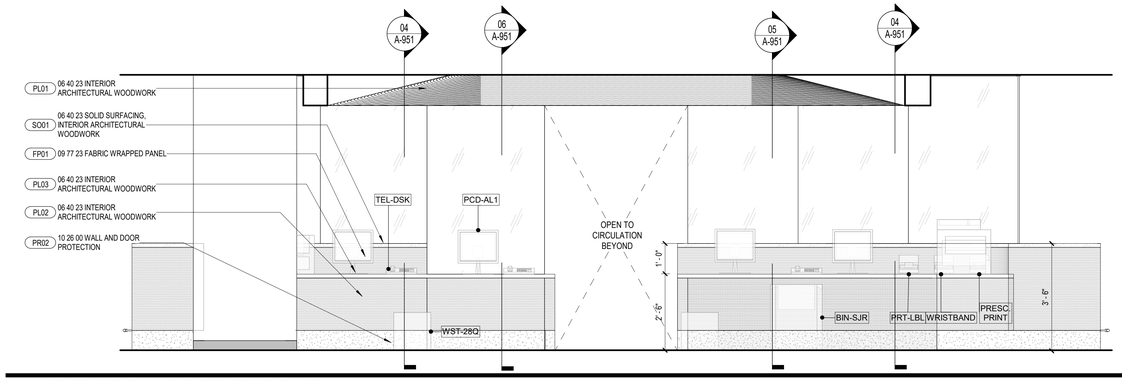


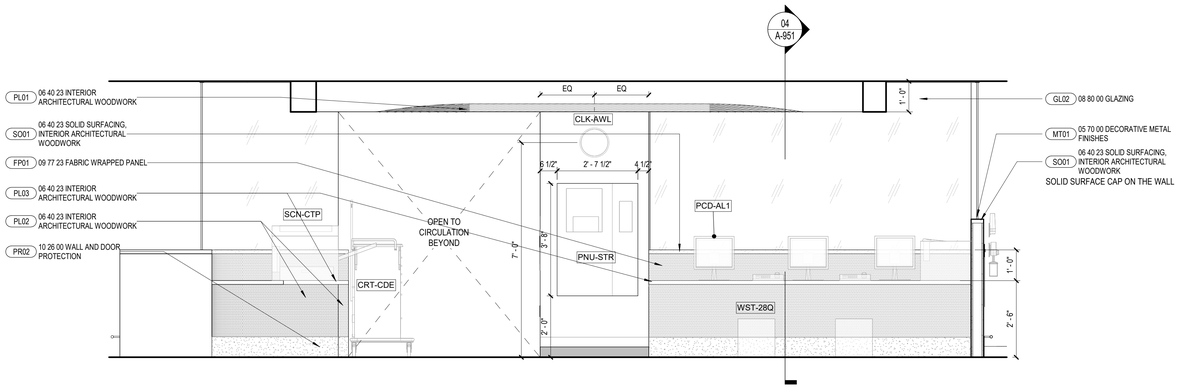
02 ELEVATION- NURSE STATION AV - PHASE 2

SCALE: 1/2" = 1'-0"



03 ELEVATION- NURSE STATION-E

SCALE: 1/2" = 1'-0"



04 ELEVATION-NURSE STATION- RECEPTION DESK- SS

SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. GC TO COORDINATE AND PROVIDE MOCKUP OF TYP. TREATMENT ROOM C10-W. COORDINATE WITH OWNER ON LOCATION AND TIMING PRIOR TO INSTALLATION OF ALL TYPICAL TREATMENT ROOMS.
B. ALL DEVICE LOCATIONS TO ALIGN PER ELEVATION. MOCKUP OF TYPICAL DEVICES & EQUIPMENT TO BE REVIEWED BY GC, ARCHITECT AND OWNER PRIOR TO INSTALLATION.
C. COORDINATE POWER/DATA WITH ARCHITECTUAL AND ELECTRICAL DRAWINGS. COORDINATE LOCATIONS WITH PROCURED EQUIPMENT PRIOR TO INSTALLATION.
D. COORDINATE NURSE CALL DEVICES WITH ELECTRICAL DRAWINGS AND OWNER'S VENDER.
E. COORDINATE PLUMBLING FIXTURES WITH PLUMBLING DRAWINGS.
F. MITER ALL MILLWORK COUNTER EDGES. REFER TO DETAILS FOR MORE INFORMATION.
G. WALLS TO BE PAINTED PT01, U.O.N. BASE TO BE IB01 U.O.N.
H. GRAIN DIRECTION TO BE VERTICAL, U.O.N.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
006.4764.000

Description
NURSE'S STATION 2

Scale
1/2" = 1'-0"

A-710

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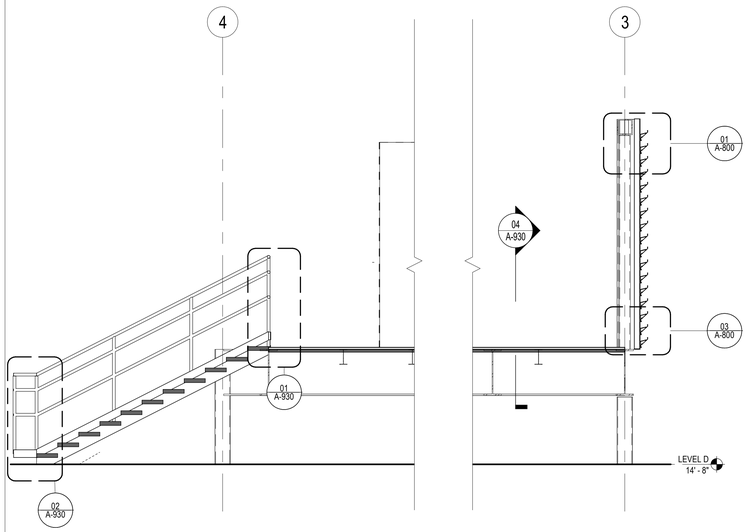
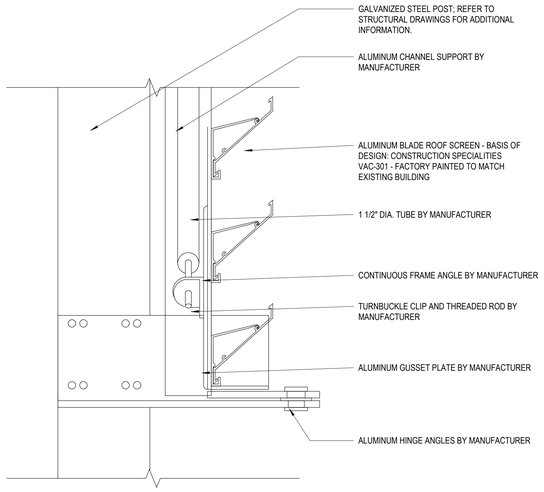
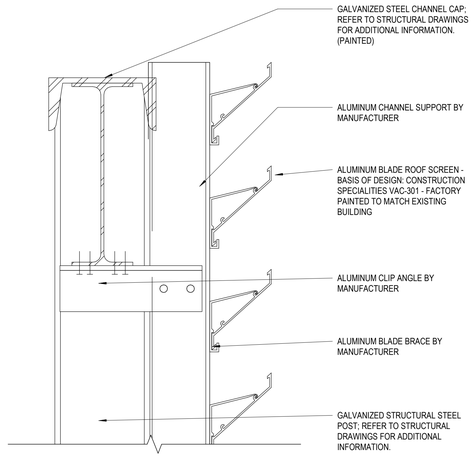


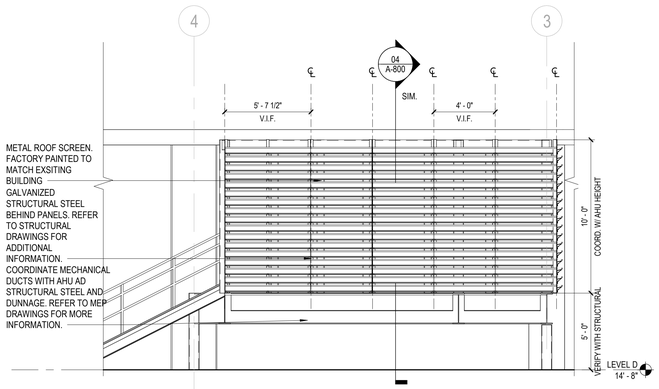
04 SECTION- SCREEN WALL
SCALE: 3/8" = 1'-0"



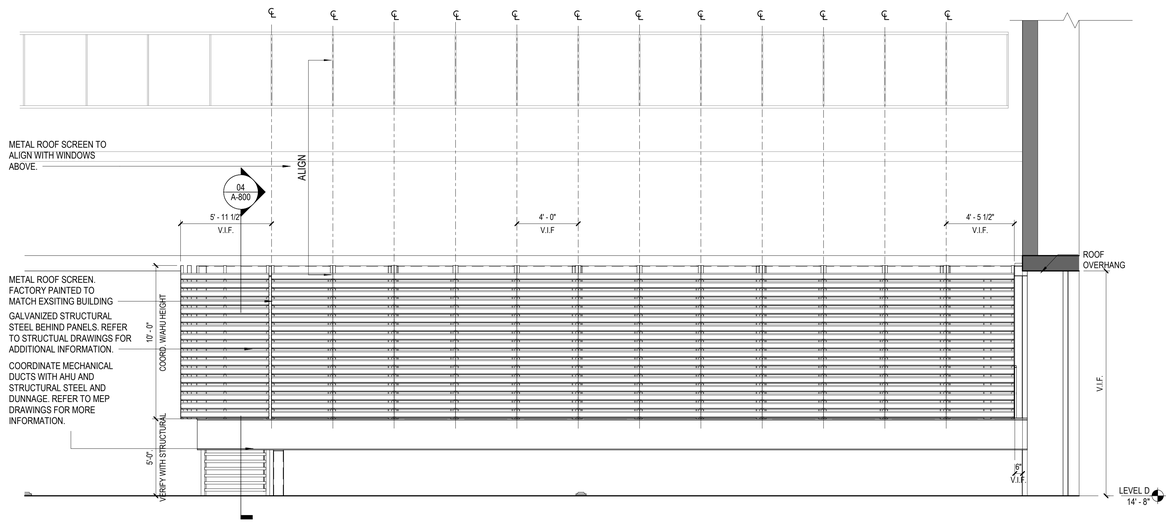
03 DETAIL AT BOTTOM OF ROOF SCREEN
SCALE: 3" = 1'-0"



01 DETAIL AT TOP OF ROOF SCREEN
SCALE: 3" = 1'-0"



05 ELEVATION-ROOF SCREEN WALL-S
SCALE: 1/4" = 1'-0"



02 ELEVATION- ROOF SCREEN WALL-E
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. STRUCTURAL STEEL TO BE GALVANIZED. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
B. ALUMINUM SCREENWALL TO BE FACTORY PAINTED AND FINISHED TO MATCH EXISTING BUILDING AND ARCHITECT'S FINISH. ARCHITECT TO SELECT FINISH FROM STANDARD FINIISH OFFERINGS.

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Project Name
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Project Number
006.4764.000

Description
SCREENWALL

Scale
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A-800

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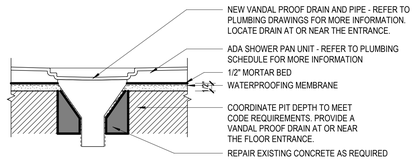
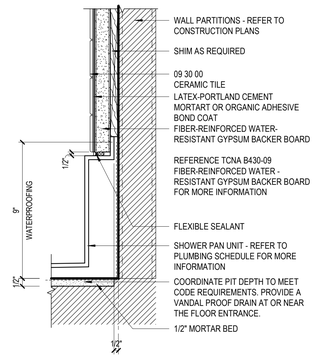
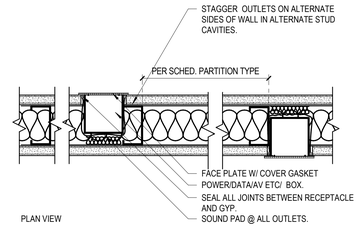


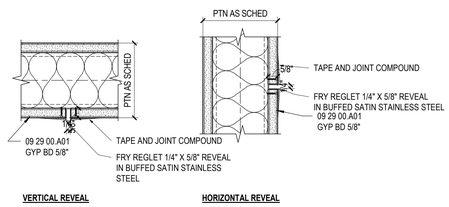
07 SHOWER PAN AT DRAIN
SCALE: 3" = 1'-0"



04 SHOWER PAN AT TILED WALL
SCALE: 3" = 1'-0"



01 TYP. BACK TO BACK OUTLETS
SCALE: 3" = 1'-0"



08 DETAIL - TYPICAL GWB REVEALS
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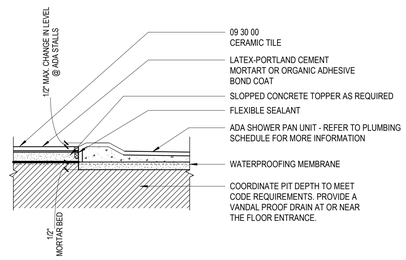
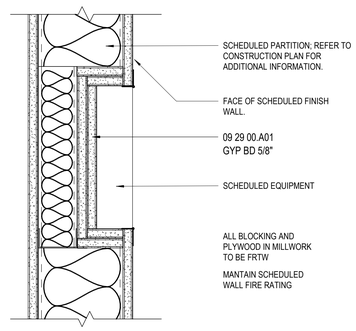
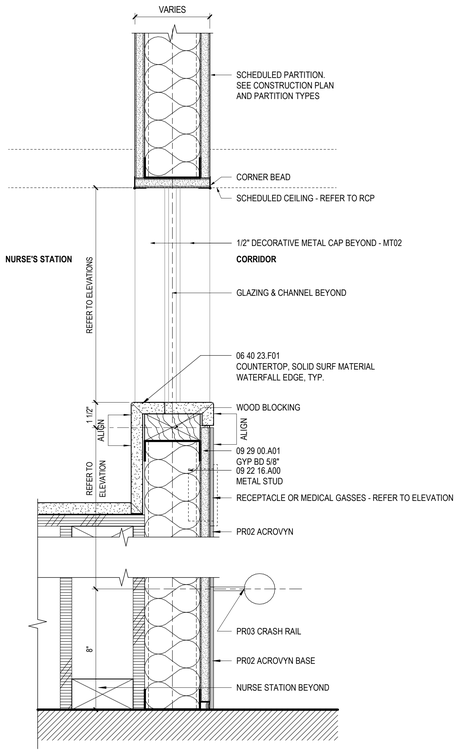


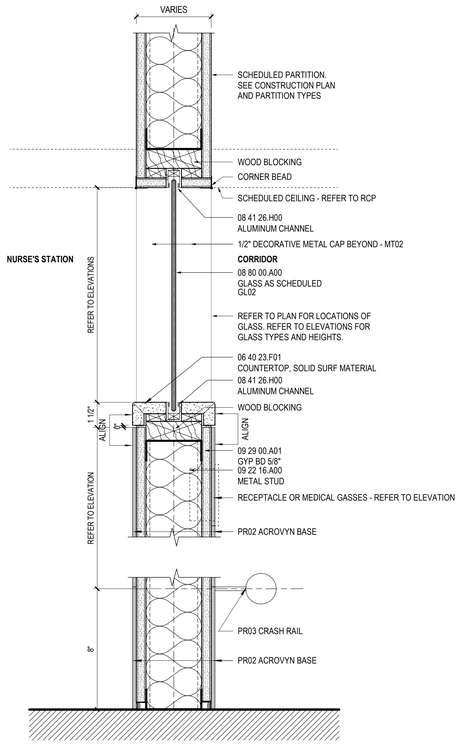
05 SHOWER PAN AT THRESHOLD
SCALE: 3" = 1'-0"



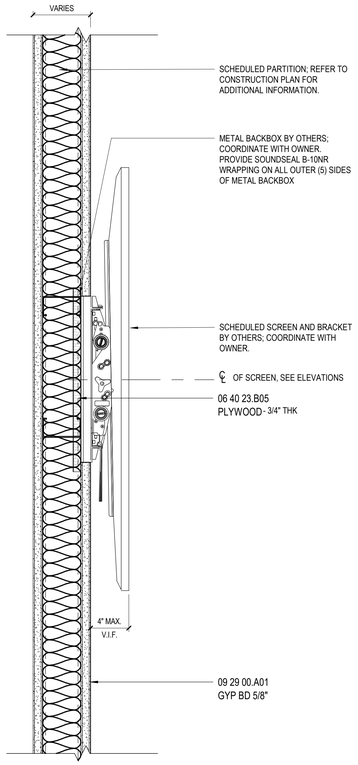
02 FIRE RATED WALL RECESSED EQUIP.
SCALE: 3" = 1'-0"



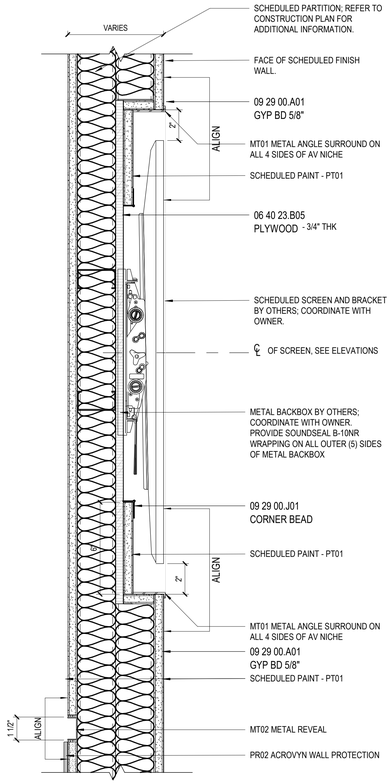
10 SECTION AT NURSE STATION WALL, TYP.
SCALE: 3" = 1'-0"



09 SECTION AT GLASS WINDOW, TYP.
SCALE: 3" = 1'-0"



06 SECTION AT WALL MOUNTED MONITOR
SCALE: 3" = 1'-0"



03 SECTION AT RECESSED MONITOR
SCALE: 3" = 1'-0"

GENERAL NOTES

A. ALL BLOCKING AND PLYWOOD IN MILLWORK TO BE FRTW.
B. COORDINATE POWER & DATA WITH POWER/COMM PLANS. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
C. COORDINATE ALL GROMMET LOCATIONS IN THE FIELD WITH THE ARCHITECT AND OWNER.
D. PROVIDE INTEGRAL COVE BASE AT ALL BASE CABINETS, UNLESS OTHERWISE NOTED IN THE ELEVATIONS. REFER TO ELEVATIONS & DETAILS AT NURSE'S STATIONS & RECEPTION DESKS FOR BASES.
E. ALL COUNTERS TO BE SUPPORTED BY 3/4" FRTW PLYWOOD, UNLESS OTHERWISE NOTED.
F. COORDINATE MILLWORK LOCKING WITH ARCHITECT AND OWNER PRIOR TO FURNISHING MILLWORK.

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Project Number
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Description
CONSTRUCTION DETAILS

Scale
3" = 1'-0"

A-900

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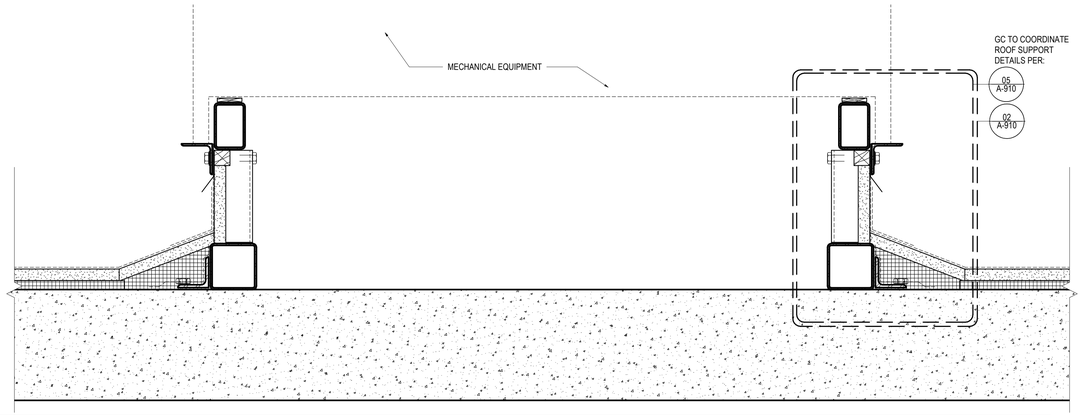
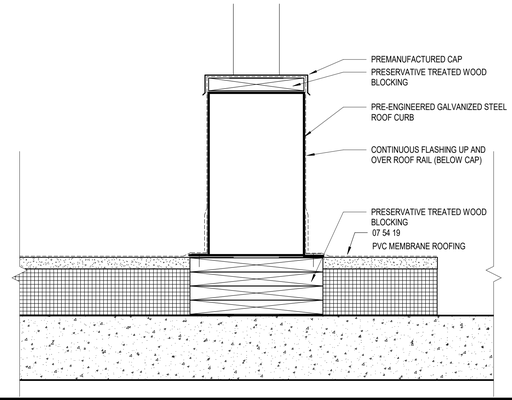
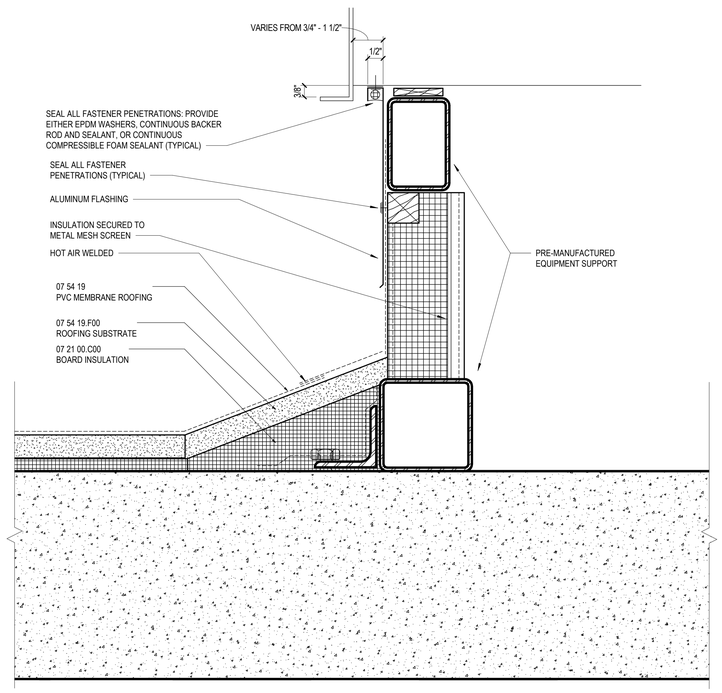


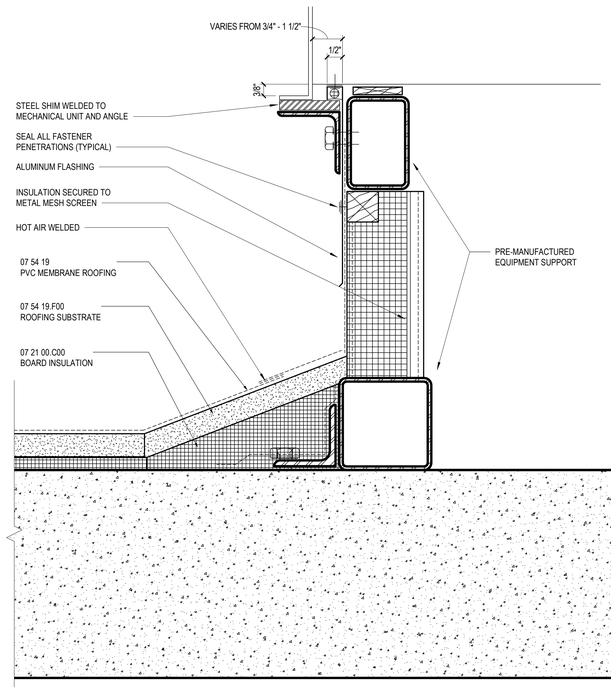
04 MECHANICAL ROOF SUPPORT
SCALE: 3" = 1'-0"



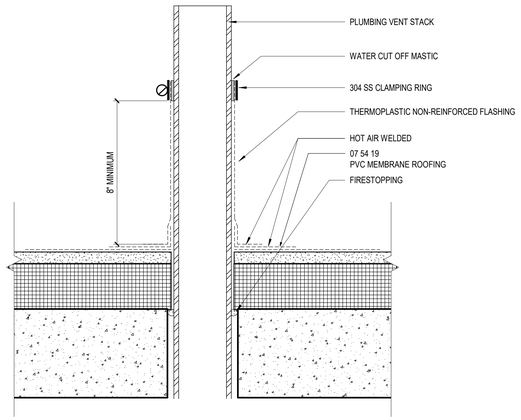
01 EQUIPMENT SUPPORT CURB
SCALE: 3" = 1'-0"



05 MECHANICAL ROOF SUPPORT (2)
SCALE: 6" = 1'-0"



02 MECHANICAL ROOF SUPPORT (1)
SCALE: 6" = 1'-0"



03 PLUMBING VENT (2D)
SCALE: 3" = 1'-0"

GENERAL NOTES

A. DETAILS ARE PROVIDED FOR REFERENCE ONLY AND REQUIRE FIELD VERIFICATION AND COORDINATION. GC TO COORDINATE WITH MEP AND STRUCTURAL DRAWINGS. PROVIDE AS REQUIRED.
B. REFER TO SPEC SECTION 07 01 50.19 - PREPARATION FOR RE-ROOFING FOR MORE INFORMATION.

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Description
ROOF DETAILS

Scale
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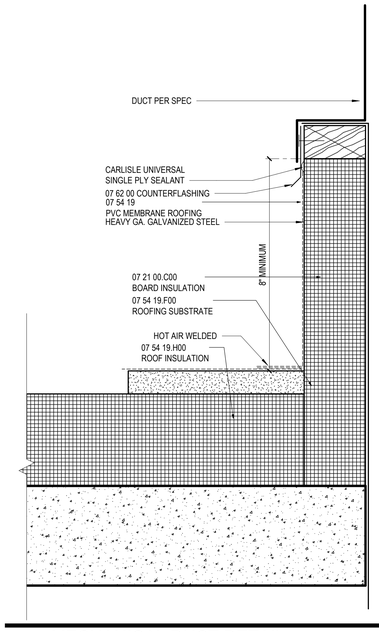
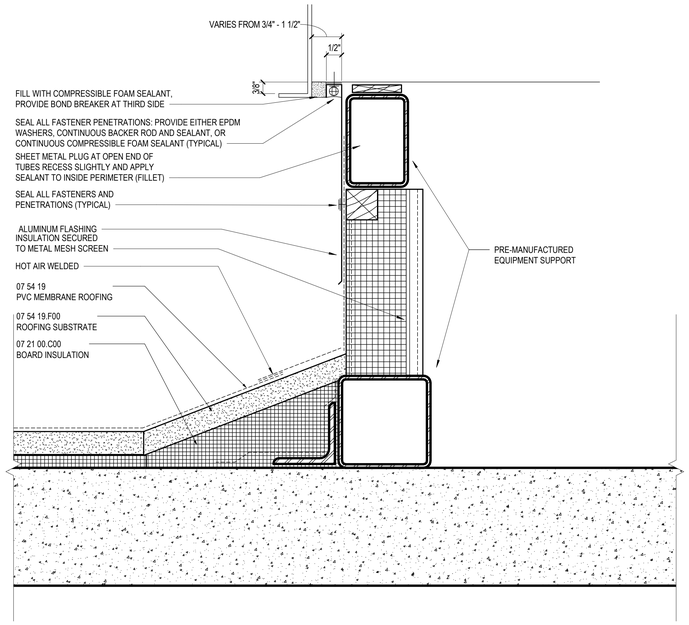
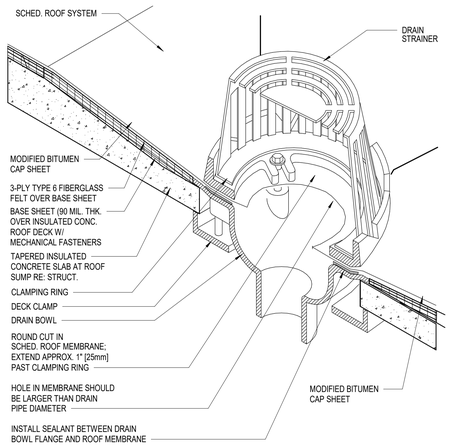


03 MECHANICAL DUCT DETAIL
SCALE: 6" = 1'-0"



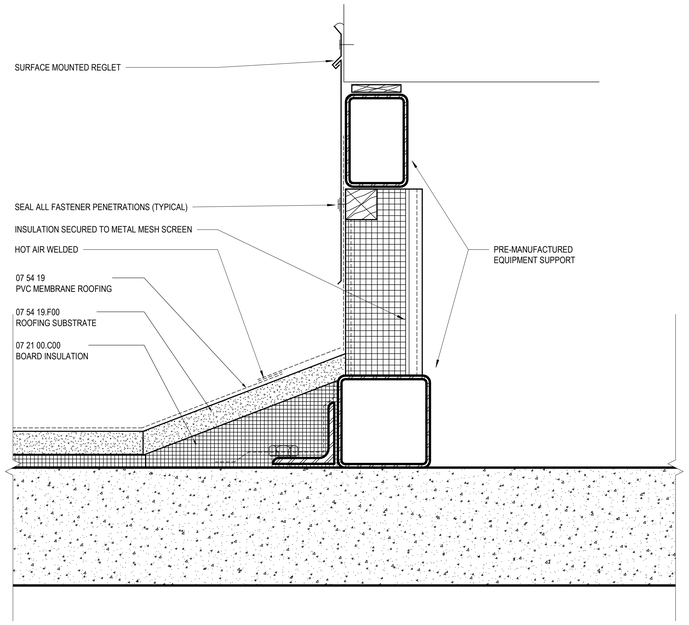
01 MECHANICAL ROOF SUPPORT- CORNER CONDITION
SCALE: 6" = 1'-0"



NOTES:

1. THE USE OF A METAL DECK SUMP PAN IS NOT RECOMMENDED. HOWEVER, DRAIN RECEIVER/BEARING PLATES ARE APPLICABLE WITH SOME PROJECTS.

04 ROOF DRAIN ALTERNATE FLASHING
SCALE: 3" = 1'-0"



02 MECHANICAL ROOF SUPPORT-PUMP
SCALE: 6" = 1'-0"

GENERAL NOTES

A. DETAILS ARE PROVIDED FOR REFERENCE ONLY AND REQUIRE FIELD VERIFICATION AND COORDINATION. GC TO COORDINATE WITH MEP AND STRUCTURAL DRAWINGS. PROVIDE AS REQUIRED.

B. REFER TO SPEC SECTION 07 01 50.19 - PREPARATION FOR RE-ROOFING FOR MORE INFORMATION.

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Project Name
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Project Number
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Description
ROOF DETAILS

Scale
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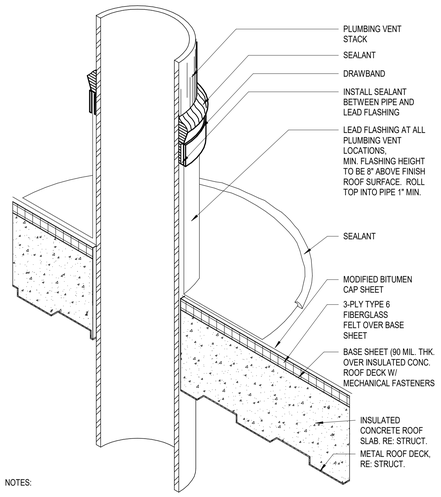
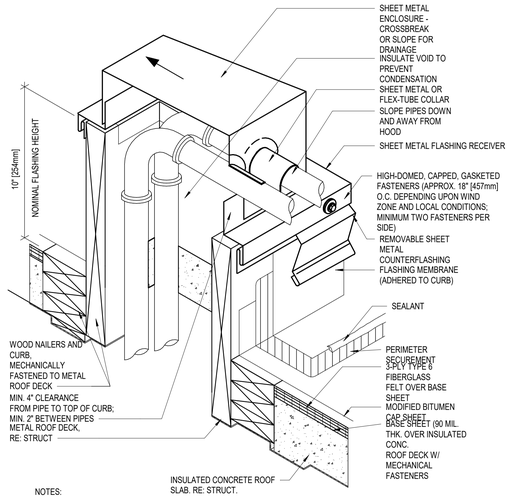


NOTES:

1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

07 PLUMBING VENT

SCALE: 3" = 1'-0"

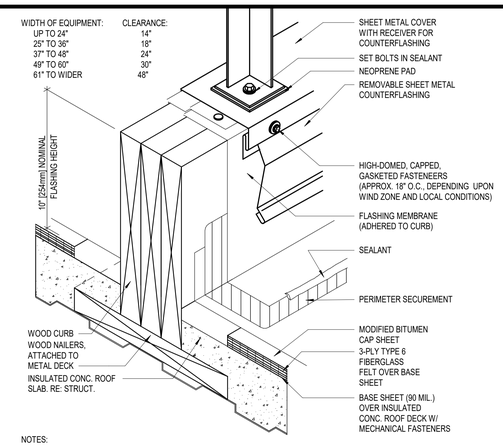


NOTES:

1. THIS DETAIL ILLUSTRATES ANOTHER METHOD OF ELIMINATING PITCH POCKETS AND AN OPTIONAL METHOD OF GROUPING PIPING THAT MUST COME UP ABOVE THE ROOF SURFACE.
2. MANY MANUFACTURERS OFFER PREFABRICATED BOOTS AND OTHER MATERIALS FOR THIS PURPOSE. SPECIFICS ON THESE PROPRIETARY DESIGNS VARY GREATLY, AND INDIVIDUAL MANUFACTURERS SPECIFICATIONS SHOULD BE CONSULTED FOR THEIR USE
3. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.

04 ISOLATED STACK FLASHING 2

SCALE: 3" = 1'-0"



NOTES:

1. THIS DETAIL ALLOWS FOR ROOF MAINTENANCE AROUND THE SUPPORTED EQUIPMENT. THE CONTINUOUS SUPPORT IS PREFERRED IN LIGHTWEIGHT STRUCTURAL SYSTEMS BECAUSE THE EQUIPMENT WEIGHT CAN BE SPREAD ACROSS TWO OR MORE SUPPORTING MEMBERS. WHERE HEAVY STRUCTURAL SYSTEMS ARE USED OR WHERE THE LOAD CAN BE CONCENTRATED OVER A COLUMN, DETAIL XX MAY BE PREFERRED. A MINIMUM OF 2 FEET [610mm] OF HORIZONTAL CLEARANCE MUST BE PROVIDED FOR REMOVAL AND REPLACEMENT OF ROOFING AND FLASHING BETWEEN PARALLEL SUPPORTS. A MINIMUM OF 3 FEET [914mm] OF VERTICAL CLEARANCE FROM ROOF SURFACE TO BOTTOM OF SUPPORTED EQUIPMENT SHOULD ALSO BE PROVIDED.
2. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
3. REFER TO THE ARCHITECTURAL SHEET METAL SECTION OF THE NRCA ROOFING AND WATERPROOFING MANUAL FOR JOINERY AND SECUREMENT OPTIONS FOR SHEET METAL.
4. REFER TO TEH EPDM/SP INTRODUCTION FOR ADDITIONAL INFORMATION.

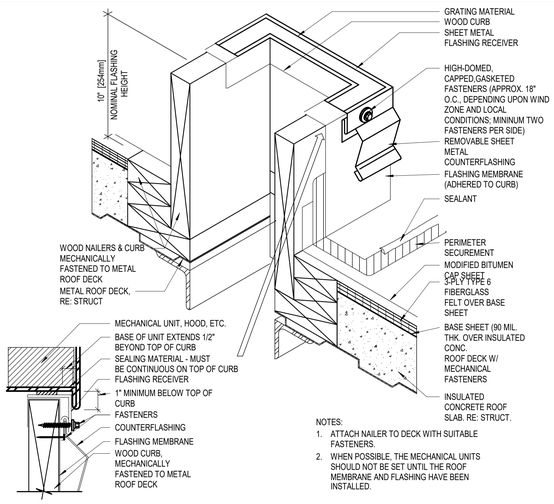
01 LIGHTWEIGHT EQUIPMENT SUPPORT

SCALE: 3" = 1'-0"

GENERAL NOTES

A. DETAILS ARE PROVIDED FOR REFERENCE ONLY AND REQUIRE FIELD VERIFICATION AND COORDINATION. GC TO COORDINATE WITH MEP AND STRUCTURAL DRAWINGS. PROVIDE AS REQUIRED.

B. REFER TO SPEC SECTION 07 01 50.19 - PREPARATION FOR RE-ROOFING FOR MORE INFORMATION.

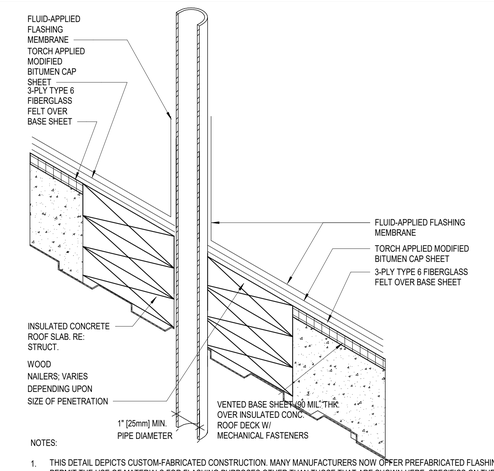


NOTES:

1. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
2. WHEN POSSIBLE. THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.

08 RAISED CURB AT ROOF A.H.U.

SCALE: 3" = 1'-0"

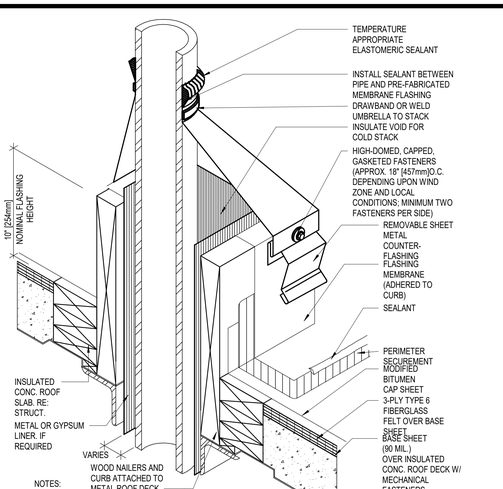


NOTES:

1. THIS DETAIL DEPICTS CUSTOM-FABRICATED CONSTRUCTION. MANY MANUFACTURERS NOW OFFER PREFABRICATED FLASHING PIECES OR PERMIT THE USE OF MATERIALS FOR FLASHING PURPOSES OTHER THAN THOSE THAT ARE SHOWN HERE. SPECIFICS ON THESE PROPRIETARY DESIGNS VARY GREATLY, AND INDIVIDUAL MANUFACTURERS' SPECIFICATIONS SHOULD BE CONSULTED FOR THEIR USE
2. ATTACH OPTIONAL NAILER TO DECK WITH SUITABLE FASTENERS.

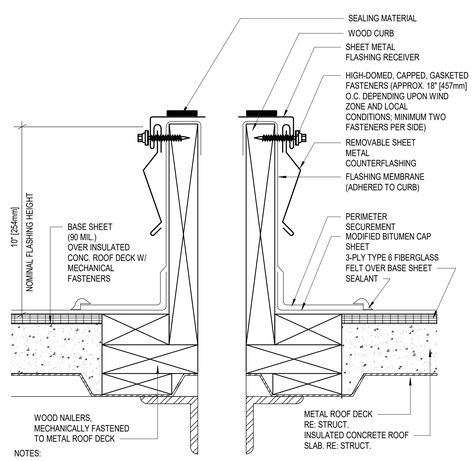
05 PENETRATION POCKET

SCALE: 3" = 1'-0"



02 EQUIPMENT SUPPORT STAND

SCALE: 3" = 1'-0"

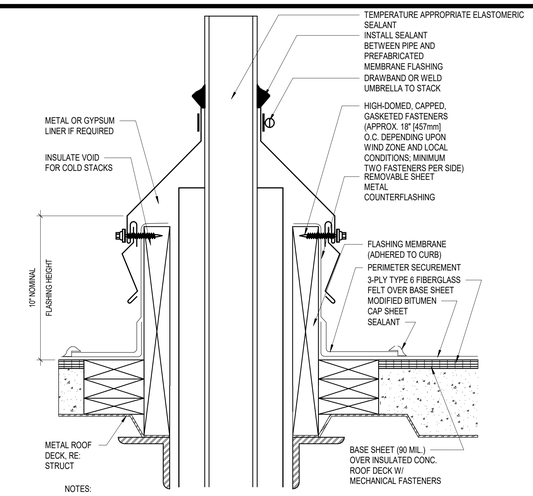


NOTES:

1. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
2. WHEN POSSIBLE. THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.

09 RAISED CURB AT ROOF A.H.U. (2D)

SCALE: 3" = 1'-0"



NOTES:

1. THIS DETAIL ALLOWS THE OPENING TO BE COMPLETED BEFORE THE STACK IS PLACED.
2. THE CLEARANCE NECESSARY BETWEEN THE OPTIONAL GYPSUM OR METAL LINER AND THE STACK, AND THE NEED FOR INSULATION, WILL DEPEND ON THE TEMPERATURE OF THE MATERIAL HANDLED BY THE STACK.
3. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
4. TOP LAYER OF INSULATION HAVE TO BE COVERBOARD INSULATION, NOT ADHERING DIRECTLY TO THE INSULATION.

06 ISOLATED STACK FLASHING 1 (2D)

SCALE: 3" = 1'-0"

NOTES:

1. THIS DETAIL ALLOWS THE OPENING TO BE COMPLETED BEFORE THE STACK IS PLACED.
2. THE CLEARANCE NECESSARY BETWEEN THE OPTIONAL GYPSUM OR METAL LINER AND THE STACK, AND THE NEED FOR INSULATION, WILL DEPEND ON THE TEMPERATURE OF THE MATERIAL HANDLED BY THE STACK.
3. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.

03 ISOLATED STACK FLASHING 1

SCALE: 3" = 1'-0"

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ROOF DETAILS

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3" = 1'-0"

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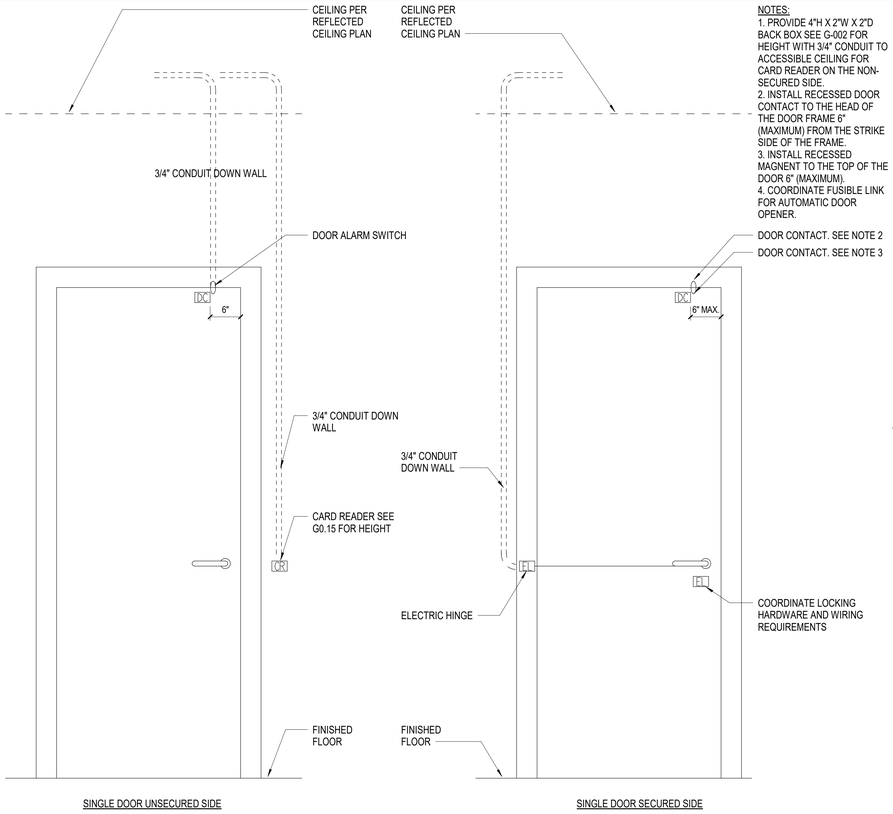
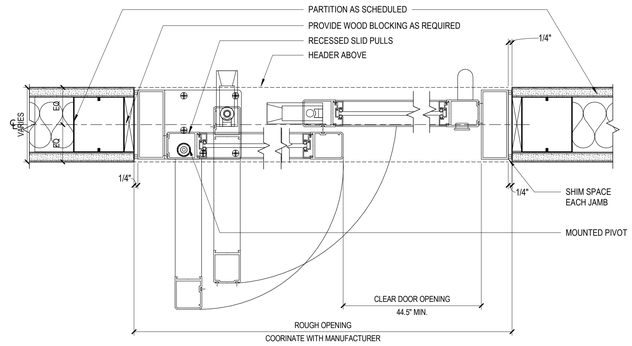
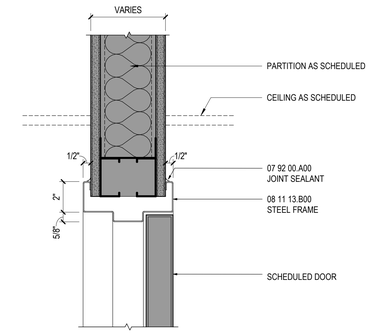


NOTES:
1. PROVIDE 4"H X 2"W X 2"D BACK BOX SEE G-002 FOR HEIGHT WITH 3/4" CONDUIT TO ACCESSIBLE CEILING FOR CARD READER ON THE NON-SECURED SIDE.
2. INSTALL RECESSED DOOR CONTACT TO THE HEAD OF THE DOOR FRAME 6" (MAXIMUM) FROM THE STRIKE SIDE OF THE FRAME.
3. INSTALL RECESSED MAGNENT TO THE TOP OF THE DOOR 6" (MAXIMUM).
4. COORDINATE FUSIBLE LINK FOR AUTOMATIC DOOR OPENER.

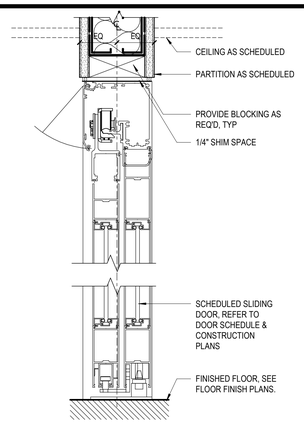
10 SINGLE ACCESS CONTROL SYSTEM
SCALE: 1" = 1'-0"



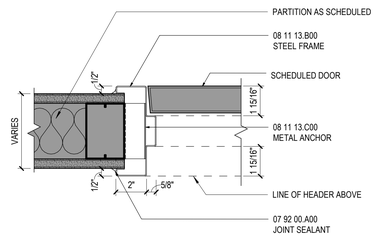
05 BREAKOUT SLIDING DOOR - JAMB
SCALE: 3" = 1'-0"



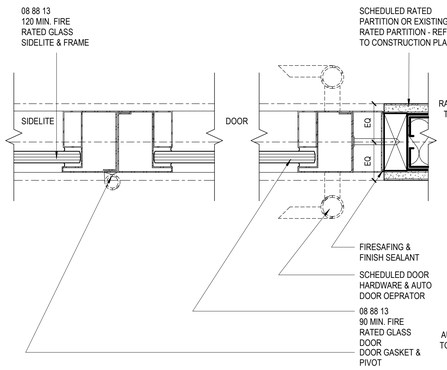
01 HM FRAME HEAD - DBL RABBET
SCALE: 3" = 1'-0"



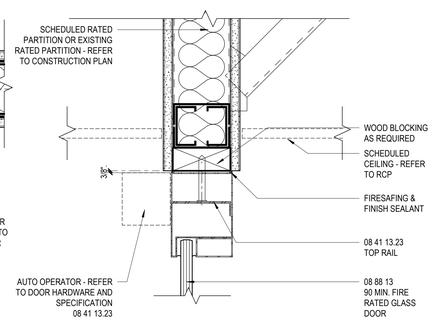
06 BREAKOUT SLIDING DOOR - HEADER
SCALE: 3" = 1'-0"



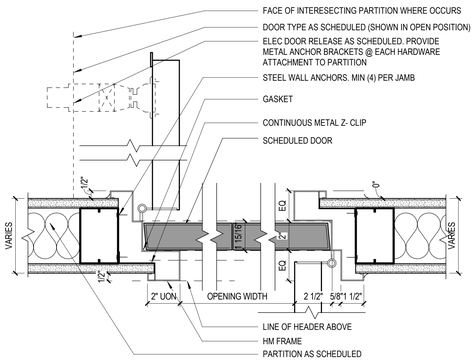
02 HM FRAME JAMB - DBL RABBET
SCALE: 3" = 1'-0"



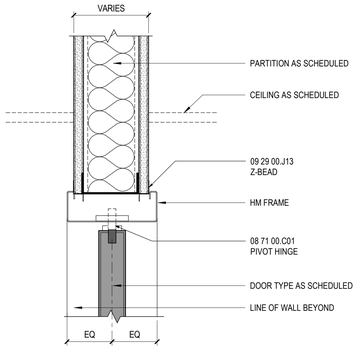
11 FIRE RATED GLASS DOOR&SIDELITE - JAMB
SCALE: 3" = 1'-0"



09 FIRE RATED GLASS DOOR HEAD & SILL
SCALE: 3" = 1'-0"

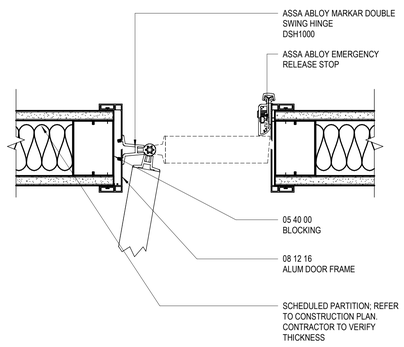


08 HM FRAME JAMB - DOUBLE EGRESS
SCALE: 3" = 1'-0"

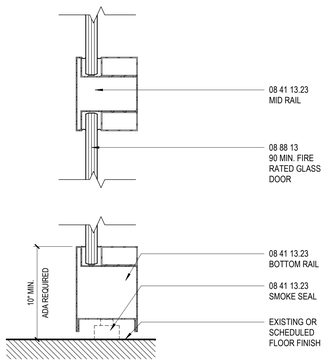


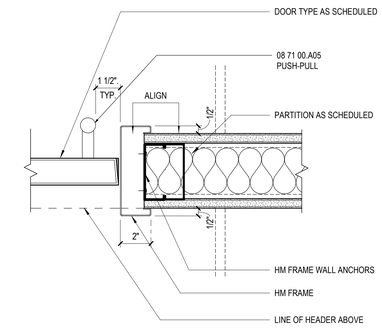
07 HM FRAME HEAD - DOUBLE EGRESS
SCALE: 3" = 1'-0"

03 HM FRAME HEAD - RESCUE DOOR
SCALE: 3" = 1'-0"



12 EMERGENCY RELEASE
SCALE: 3" = 1'-0"





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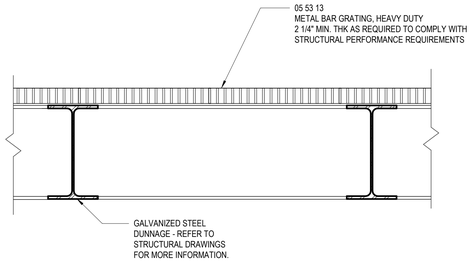
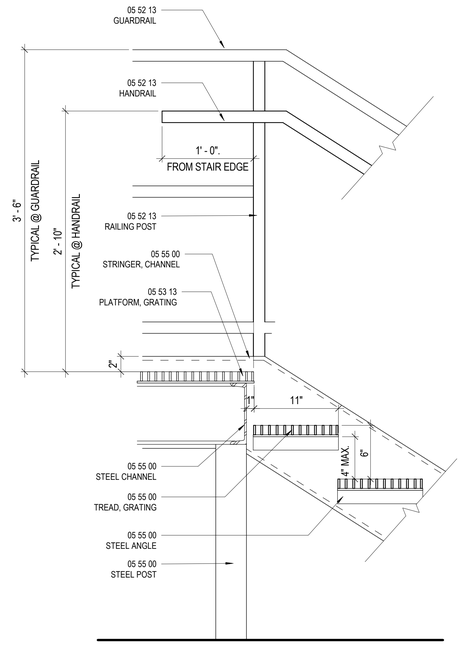


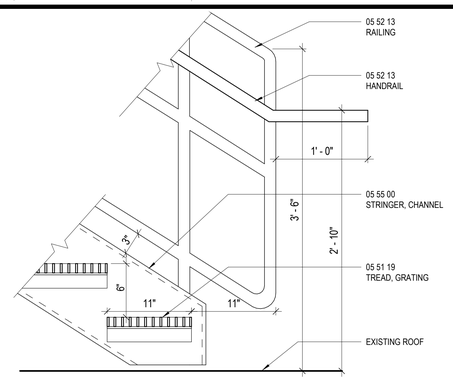
04 TYPICAL METAL GRATING DETAIL

SCALE: 1 1/2" = 1'-0"



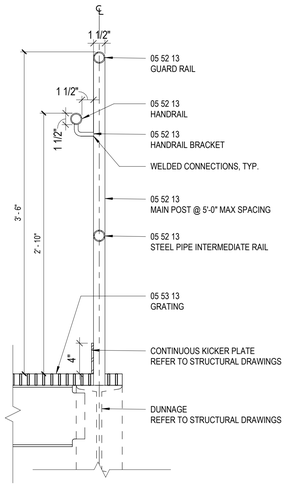
01 DUNNAGE STAIR TOP

SCALE: 1 1/2" = 1'-0"



02 DUNNAGE STAIR BOTTOM

SCALE: 1 1/2" = 1'-0"



03 DUNNAGE GUARDRAIL

SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

A. COORDINATE WORK WITH STRUCTURAL DRAWINGS

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STAIR DETAILS

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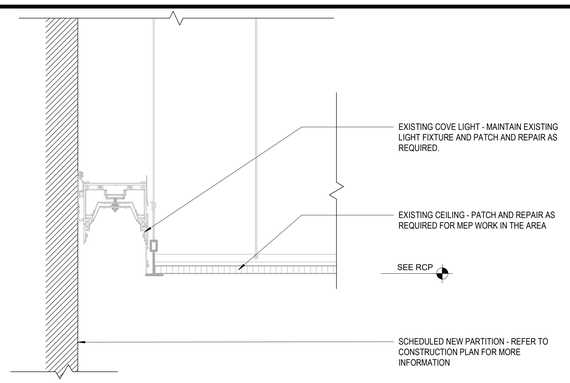
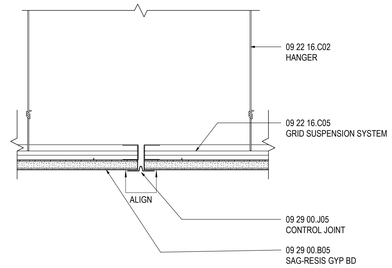
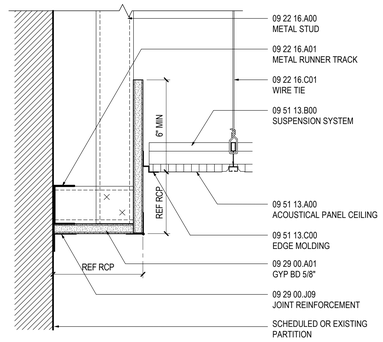


13 EXISTING COVE LIGHT AT CORRIDOR
SCALE: 3" = 1'-0"

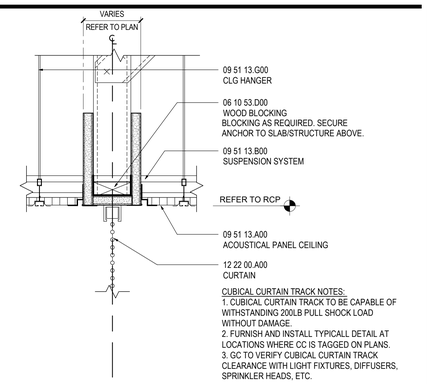


NOTE: GWB CONTROL JOINT MAXIMUM SPACING FOR INTERIOR CEILINGS WITHOUT PERIMETER RELIEF IS 50'-0". REFER TO REFLECTED CEILING PLAN.

09 GWB. CONTROL JOINT
SCALE: 3" = 1'-0"

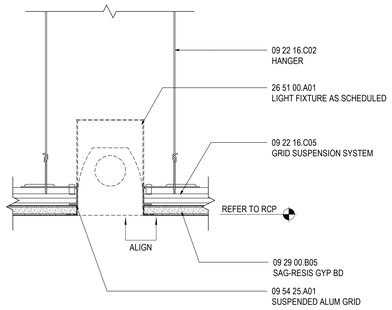


05 STEPPED SOFFIT - GYP BD TO ACT
SCALE: 3" = 1'-0"

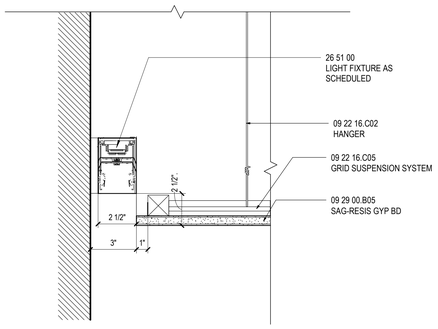


CUBICAL CURTAIN TRACK NOTES:
1. CUBICAL CURTAIN TRACK TO BE CAPABLE OF WITHSTANDING 200LB PULL SHOCK LOAD WITHOUT DAMAGE.
2. FURNISH AND INSTALL TYPICALL DETAIL AT LOCATIONS WHERE CC IS TAGGED ON PLANS.
3. GC TO VERIFY CUBICAL CURTAIN TRACK CLEARANCE WITH LIGHT FIXTURES, DIFFUSERS, SPRINKLER HEADS, ETC.

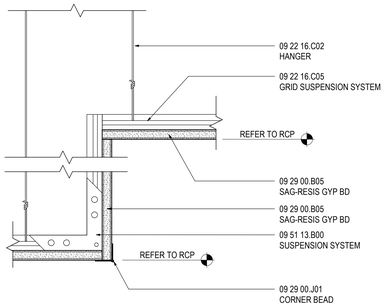
01 TYPICAL CUBICAL CURTAIN GYP. BD
SCALE: 3" = 1'-0"



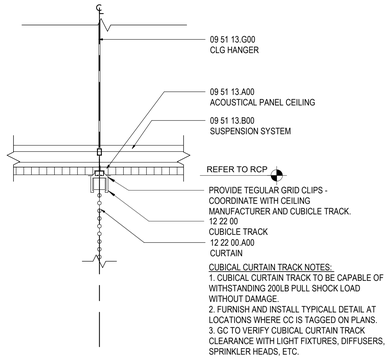
14 GYP AT TYP. LIGHT FIXTURE
SCALE: 3" = 1'-0"



10 GWB COVE LIGHT
SCALE: 3" = 1'-0"

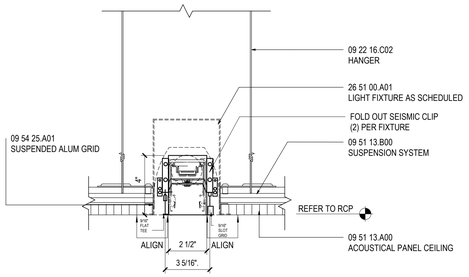


06 GYP BD STEPPED CLG
SCALE: 3" = 1'-0"

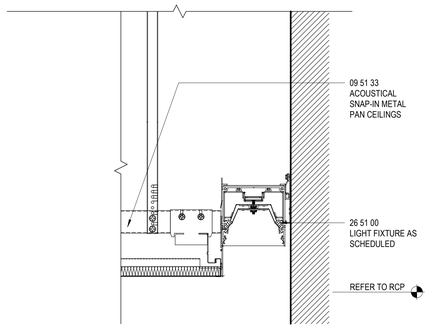


CUBICAL CURTAIN TRACK NOTES:
1. CUBICAL CURTAIN TRACK TO BE CAPABLE OF WITHSTANDING 200LB PULL SHOCK LOAD WITHOUT DAMAGE.
2. FURNISH AND INSTALL TYPICALL DETAIL AT LOCATIONS WHERE CC IS TAGGED ON PLANS.
3. GC TO VERIFY CUBICAL CURTAIN TRACK CLEARANCE WITH LIGHT FIXTURES, DIFFUSERS, SPRINKLER HEADS, ETC.

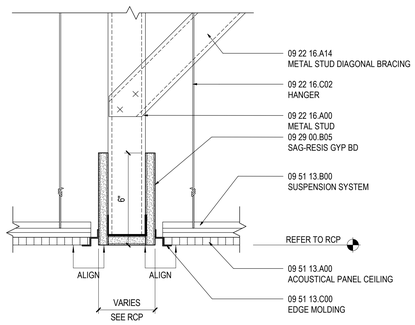
02 TYPICAL CUBICAL CURTAIN ACT
SCALE: 3" = 1'-0"



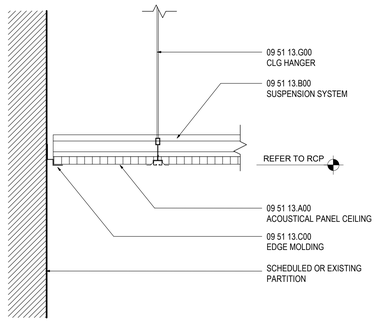
15 ACT AT TYP. LIGHT FIXTURE
SCALE: 3" = 1'-0"



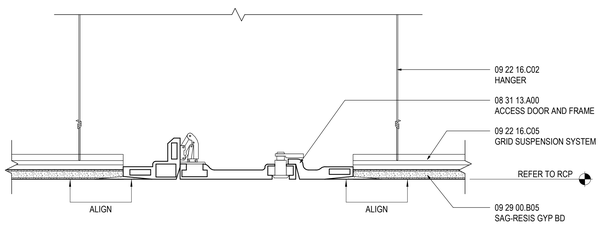
11 CL04 LIGHT COVE (KC1)
SCALE: 3" = 1'-0"



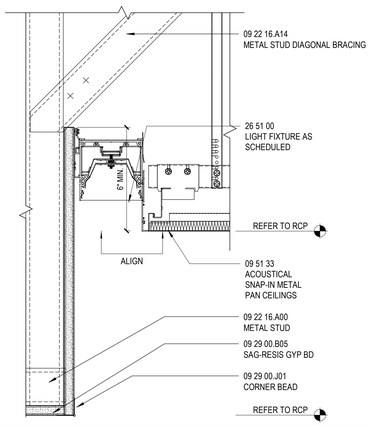
07 FLUSH BULKHEAD ACT TO GYP BD.
SCALE: 3" = 1'-0"



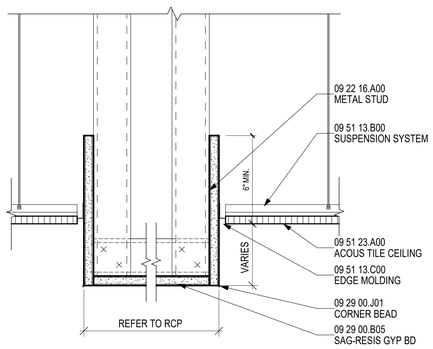
03 TYP SHADOW MOLDING ACT
SCALE: 3" = 1'-0"



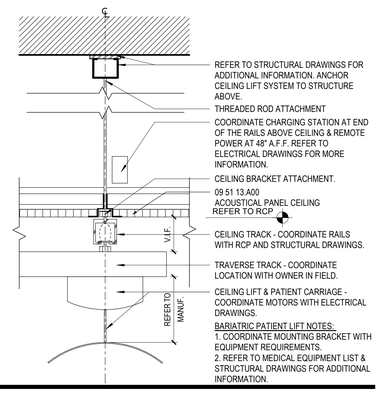
16 GYP BD CLG @ ACCESS PNL
SCALE: 3" = 1'-0"



12 CL04 MTL APC TO STEPPED GYP BD
SCALE: 3" = 1'-0"



08 CEILING STEPPED HEADER
SCALE: 3" = 1'-0"



BARIATRIC PATIENT LIFT NOTES:
1. COORDINATE MOUNTING BRACKET WITH EQUIPMENT REQUIREMENTS.
2. REFER TO MEDICAL EQUIPMENT LIST & STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

04 BARIATRIC CEILING MOUNTED LIFT
SCALE: 3" = 1'-0"

GENERAL NOTES

A. COORDINATE LIGHT FIXTURES WITH ARCHITECTURAL DETAILS, ELECTRICAL DRAWINGS AND LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS.

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08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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Project Name
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Project Number
006.4764.000

Description
CEILING DETAILS

Scale
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A-940

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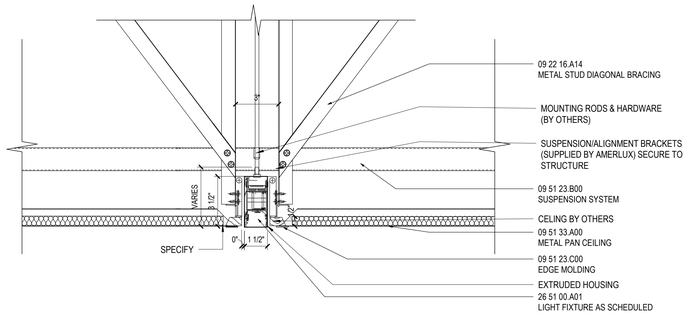
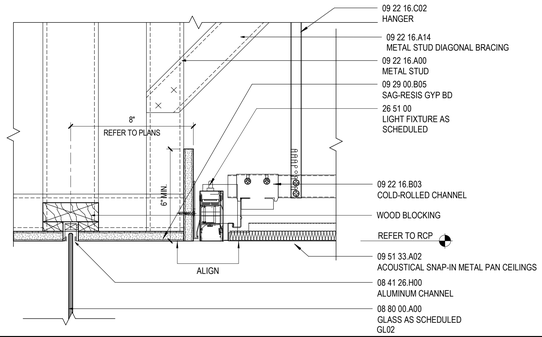
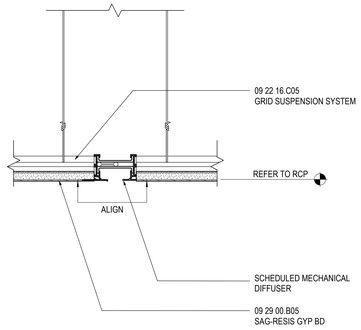


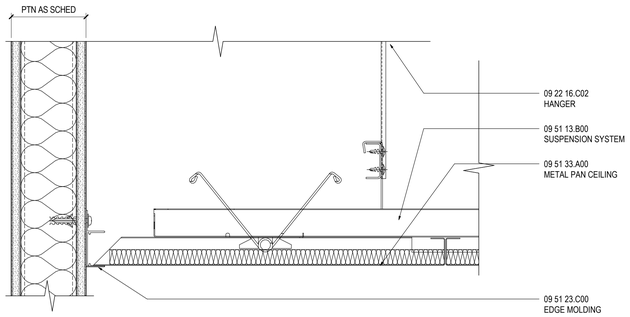
09 TYP. MTL APC @ LINEAR LIGHT FIXTURE
SCALE: 3" = 1'-0"



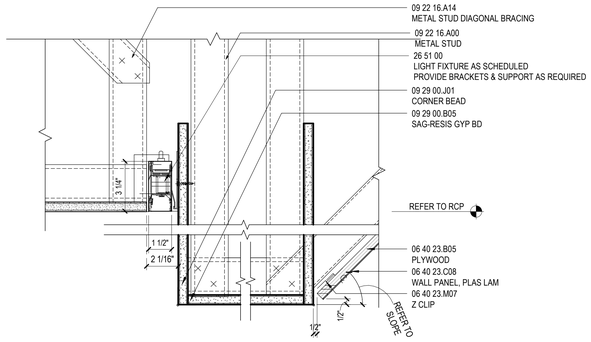
05 CL02 MTL APC TO GYP BD FLUSH
SCALE: 3" = 1'-0"



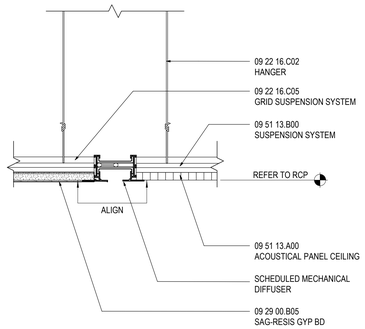
01 TYP. GYP. W/ LINEAR BAR DIFFUSER
SCALE: 3" = 1'-0"



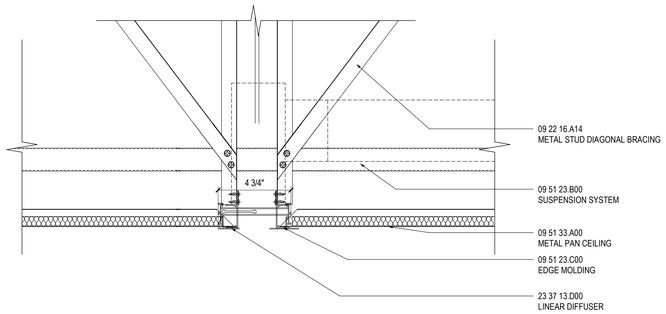
10 TYP. MTL APC @ PERIMETER
SCALE: 3" = 1'-0"



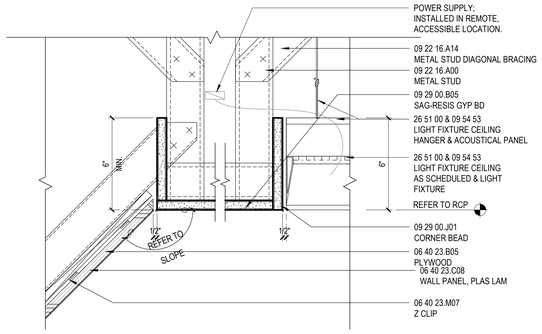
06 GYP BD STEPPED TO ANGLED PLAM
SCALE: 3" = 1'-0"



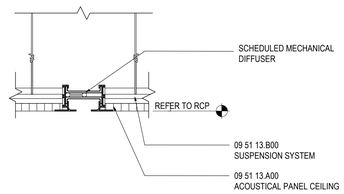
02 TYP. FLUSH W/ LINEAR BAR DIFFUSER
SCALE: 3" = 1'-0"



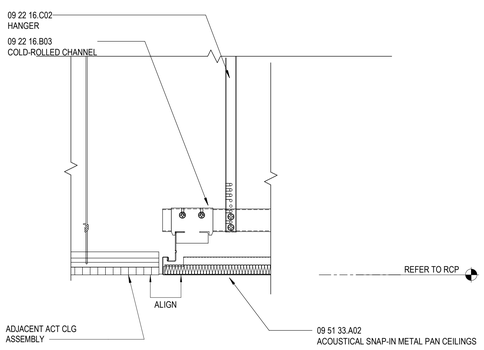
11 TYP. MTL APC @ DIFFUSER
SCALE: 3" = 1'-0"



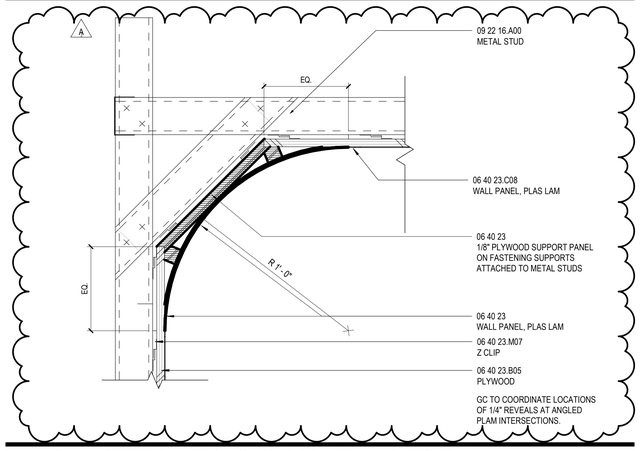
07 SECTION DETAIL @ ANGLED PLAM
SCALE: 3" = 1'-0"



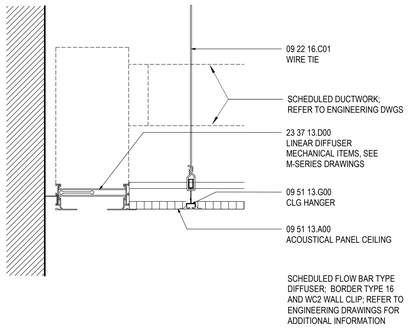
03 TYP. ACT LINEAR BAR DIFFUSER
SCALE: 3" = 1'-0"



12 CL02 MTL APC TO ACT FLUSH TRANSITION
SCALE: 3" = 1'-0"



08 PLAN SECTION AT RADIUS CORNER ANGLED PLAM
SCALE: 3" = 1'-0"



04 TYP. PERIMETER LINEAR BAR DIFFUSER
SCALE: 3" = 1'-0"

GENERAL NOTES

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New York, NT 10018
United States
Tel 212.382.2100

△	Date	Description
	08.25.2023	DCA SUBMISSION
	09.22.2023	ISSUE FOR BID
A	10.30.2023	ADDENDUM 1

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Project Name
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Project Number
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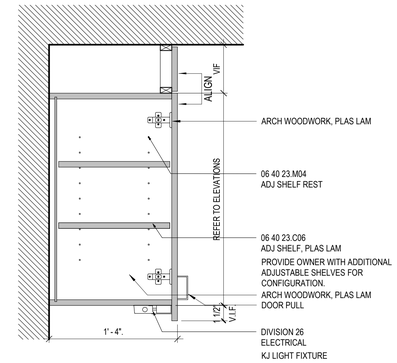
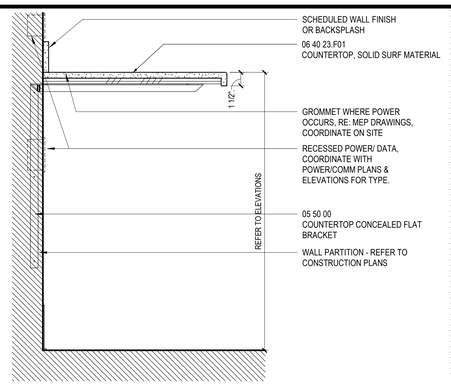
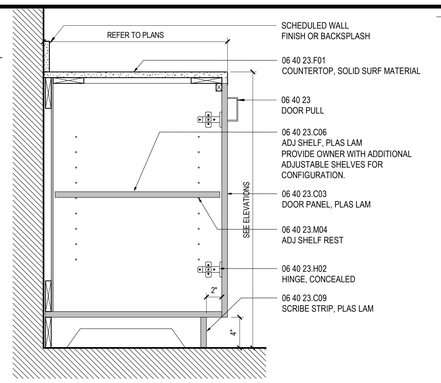


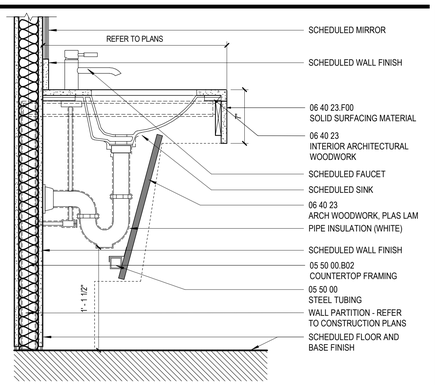
13 UPPER CABINET - CLOSED SHELVING
SCALE: 1 1/2" = 1'-0"



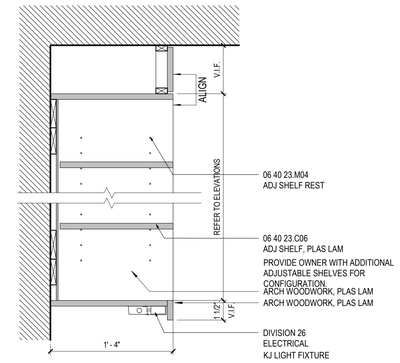
09 FLOATING COUNTER
SCALE: 1 1/2" = 1'-0"



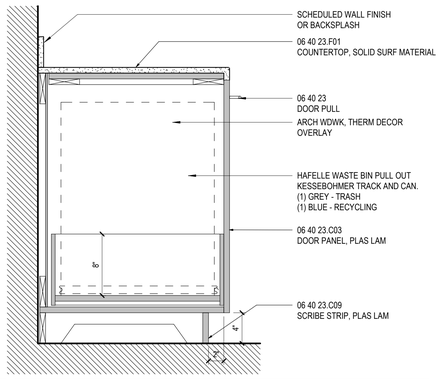
05 BASE CABINET - ADJUSTABLE SHELVES
SCALE: 1 1/2" = 1'-0"



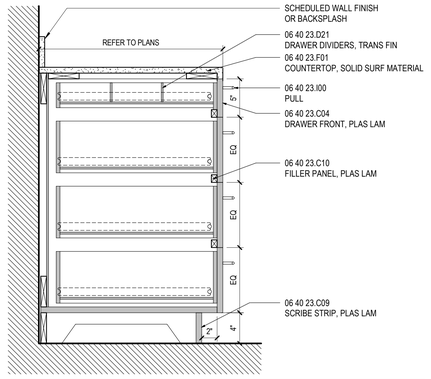
01 SINK AT TOILET ROOM WITH APRON
SCALE: 1 1/2" = 1'-0"



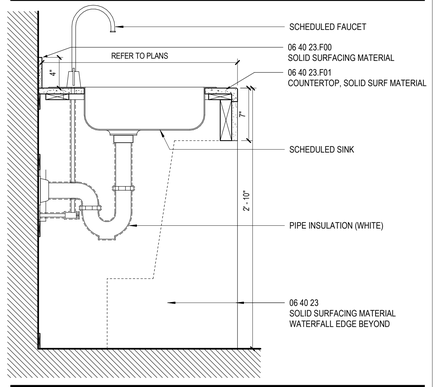
14 UPPER CABINET - OPEN SHELVING
SCALE: 1 1/2" = 1'-0"



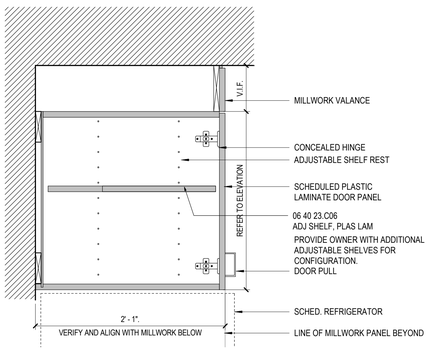
10 BASE CABINET - TRASH PULLOUT
SCALE: 1 1/2" = 1'-0"



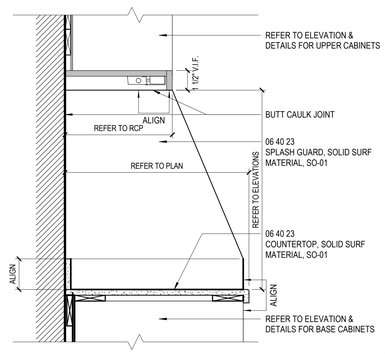
06 BASE CABINET - 4 DRAWERS
SCALE: 1 1/2" = 1'-0"



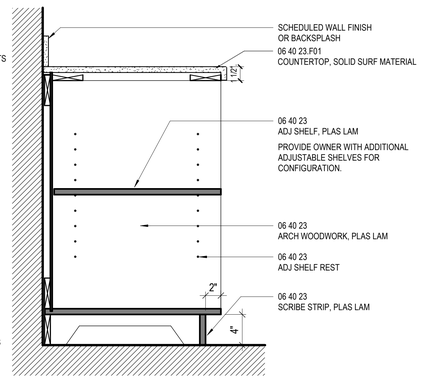
02 SINK WITH NO APRON
SCALE: 1 1/2" = 1'-0"



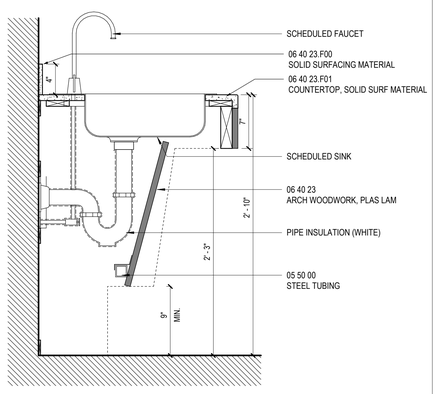
15 UPPER CABINET - ABOVE EQUIP.
SCALE: 1 1/2" = 1'-0"



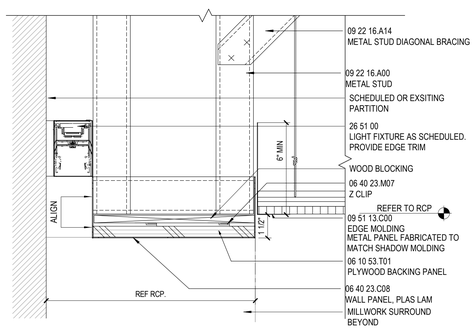
11 TYPICAL SPLASH GUARD ELEVATION
SCALE: 1 1/2" = 1'-0"



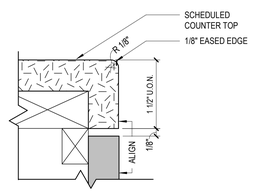
07 BASE CABINET - OPEN SHELVING
SCALE: 1 1/2" = 1'-0"



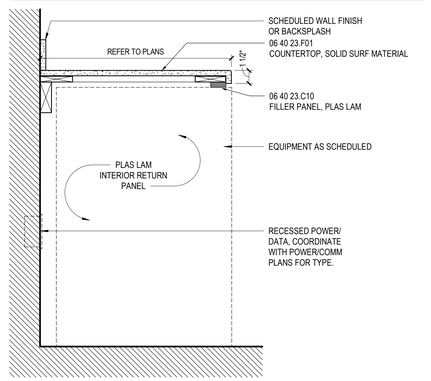
03 SINK WITH APRON
SCALE: 1 1/2" = 1'-0"



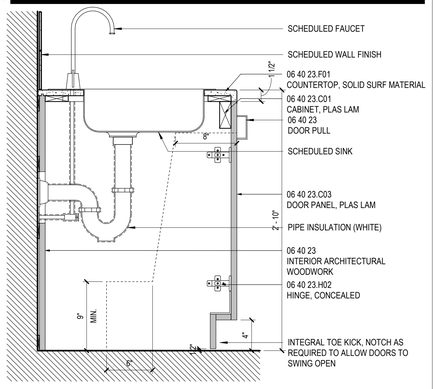
16 PLAM ON PLYWOOD TO ACT CEILING
SCALE: 3" = 1'-0"



12 COUNTER EDGE - EASED
SCALE: 12" = 1'-0"



08 FLOATING COUNTER AT EQUIPMENT
SCALE: 1 1/2" = 1'-0"



04 SINK AT ADA BASE CABINET
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

A. ALL BLOCKING AND PLYWOOD IN MILLWORK TO BE FRTW.
B. COORDINATE POWER & DATA WITH POWER/COMM PLANS. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
C. COORDINATE ALL GROMMET LOCATIONS IN THE FIELD WITH THE ARCHITECT AND OWNER.
D. PROVIDE INTEGRAL COVE BASE AT ALL BASE CABINETS, UNLESS OTHERWISE NOTED IN THE ELEVATIONS. REFER TO ELEVATIONS & DETAILS AT NURSE'S STATIONS & RECEPTION DESKS FOR BASES.
E. ALL COUNTERS TO BE SUPPORTED BY 3/4" FRTW PLYWOOD, UNLESS OTHERWISE NOTED.
F. COORDINATE MILLWORK LOCKING WITH ARCHITECT AND OWNER PRIOR TO FURNISHING MILLWORK.

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Project Name
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Project Number
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Description
MILLWORK DETAILS

Scale
As indicated

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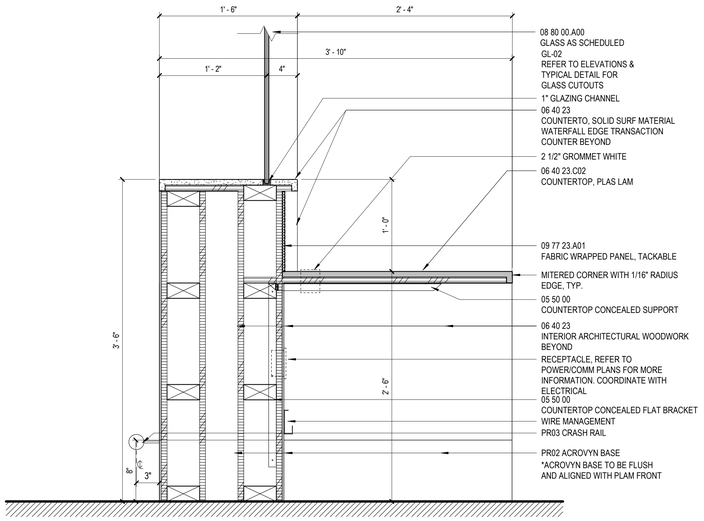
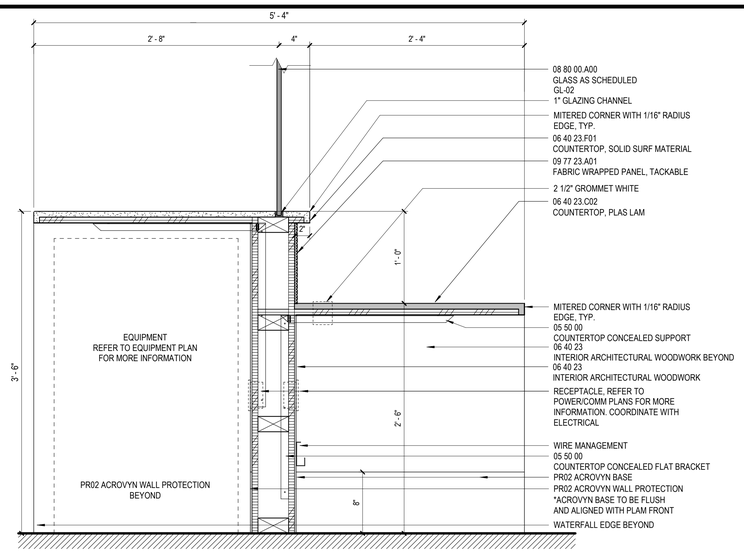


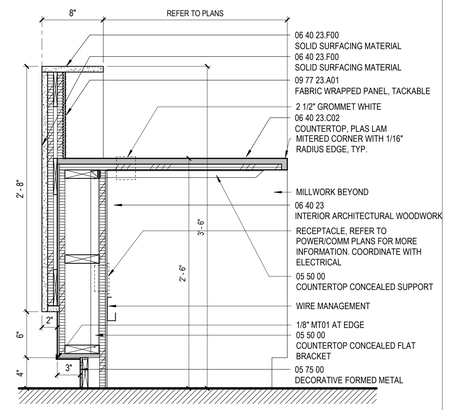
07 NURSE STATION @ SHALLOW TRANSACTION COUNTER

SCALE: 1 1/2" = 1'-0"



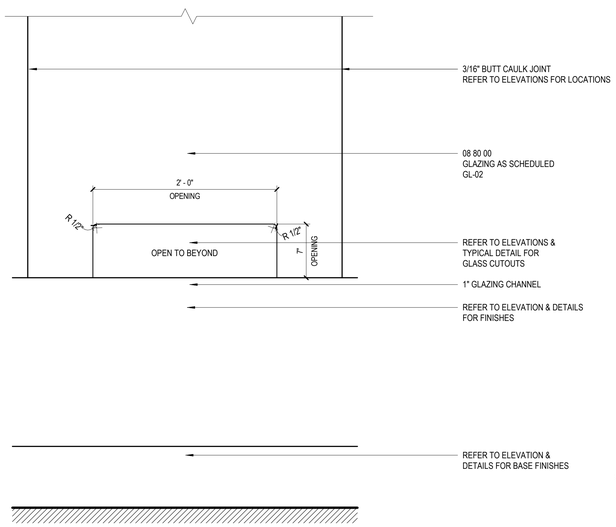
04 NURSE STATION @ TRANSACTION COUNTER & EQUIPMENT ALCOVE

SCALE: 1 1/2" = 1'-0"



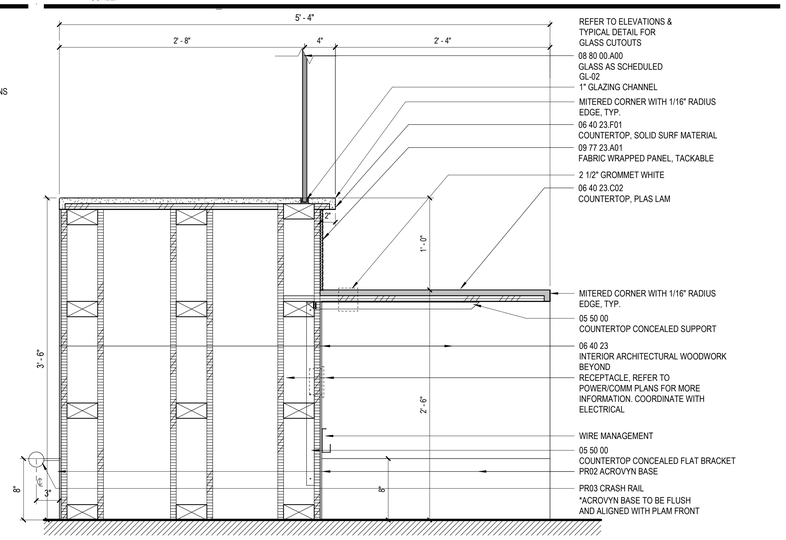
01 RECEPTION DESK @ TRANSACTION

SCALE: 1 1/2" = 1'-0"



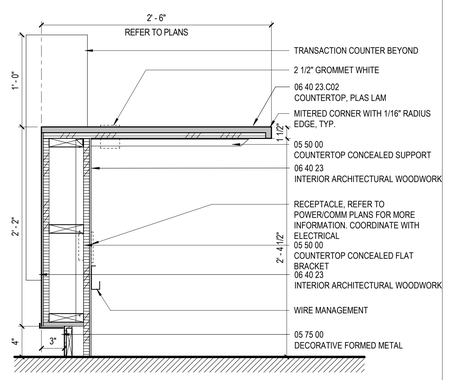
08 TYPICAL CUTOUT AT GLAZING

SCALE: 1 1/2" = 1'-0"



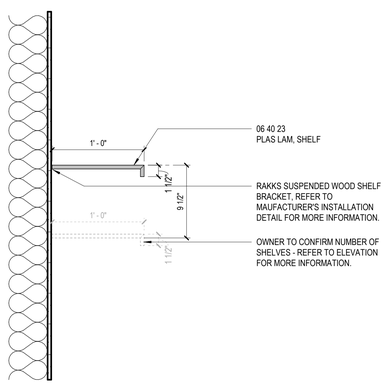
05 NURSE STATION @ DEEP TRANSACTION COUNTER

SCALE: 1 1/2" = 1'-0"



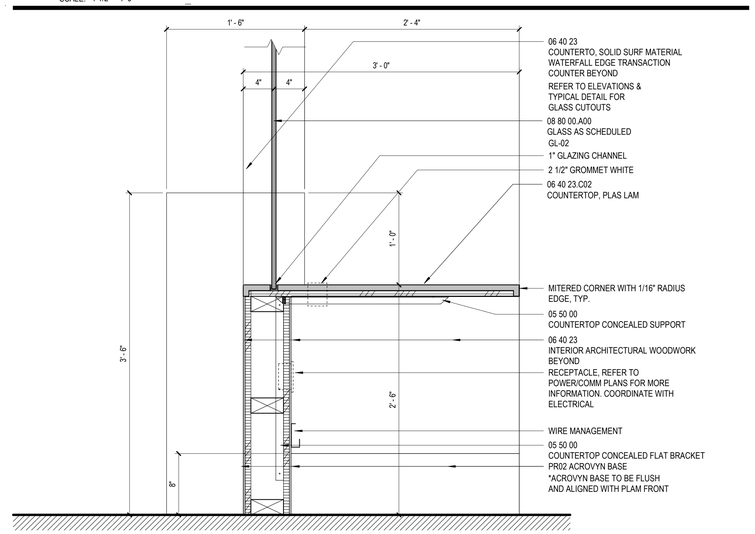
02 RECEPTION DESK @ WORKSURFACE

SCALE: 1 1/2" = 1'-0"



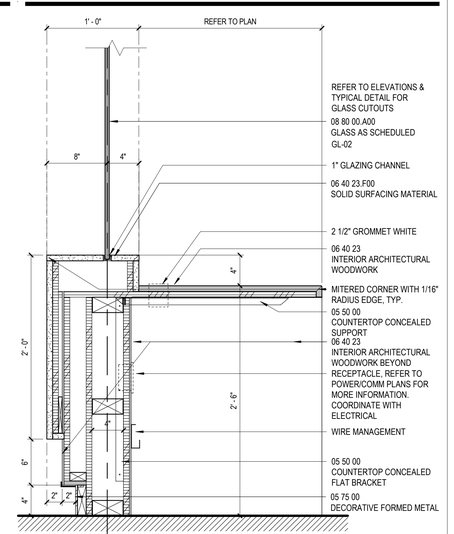
09 FLOATING PLAM SHELVING

SCALE: 1 1/2" = 1'-0"



06 NURSE STATION @ WORKSURFACE ONLY

SCALE: 1 1/2" = 1'-0"



03 REGISTRATION @ WORKSURFACE

SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

A. ALL BLOCKING AND PLYWOOD IN MILLWORK TO BE FRTW.
B. COORDINATE POWER & DATA WITH POWER/COMM PLANS. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
C. COORDINATE ALL GROMMET LOCATIONS IN THE FIELD WITH THE ARCHITECT AND OWNER.
D. PROVIDE INTEGRAL COVE BASE AT ALL BASE CABINETS, UNLESS OTHERWISE NOTED IN THE ELEVATIONS. REFER TO ELEVATIONS & DETAILS AT NURSE'S STATIONS & RECEPTION DESKS FOR BASES.
E. ALL COUNTERS TO BE SUPPORTED BY 3/4" FRTW PLYWOOD, UNLESS OTHERWISE NOTED.
F. COORDINATE MILLWORK LOCKING WITH ARCHITECT AND OWNER PRIOR TO FURNISHING MILLWORK.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
MILLWORK DETAILS

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

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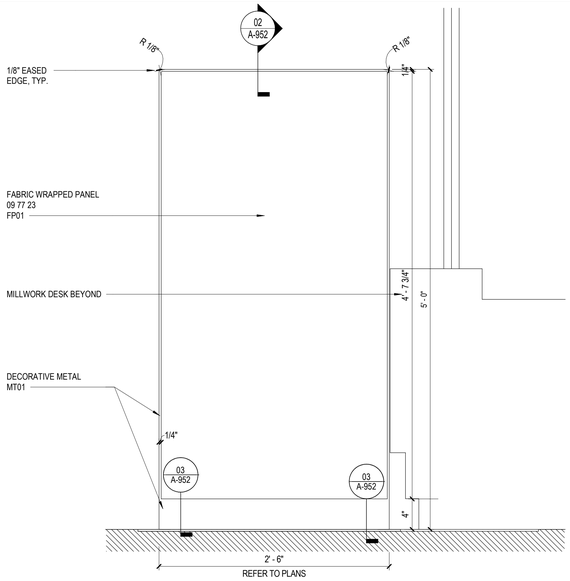
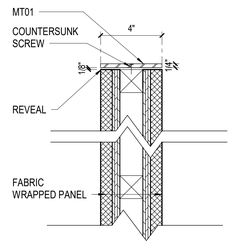


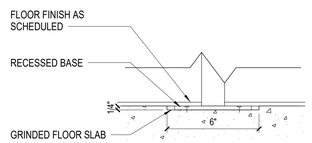
01 CHECK-IN DIVIDER ELEVATION

SCALE: 1 1/2" = 1'-0"



02 CHECK-IN DIVIDER FRAME

SCALE: 3" = 1'-0"



03 CHECK-IN DIVIDER LEG

SCALE: 3" = 1'-0"

GENERAL NOTES

A. ALL BLOCKING AND PLYWOOD IN MILLWORK TO BE FRTW.
B. COORDINATE POWER & DATA WITH POWER/COMM PLANS. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
C. COORDINATE ALL GROMMET LOCATIONS IN THE FIELD WITH THE ARCHITECT AND OWNER.
D. PROVIDE INTEGRAL COVE BASE AT ALL BASE CABINETS, UNLESS OTHERWISE NOTED IN THE ELEVATIONS. REFER TO ELEVATIONS & DETAILS AT NURSE'S STATIONS & RECEPTION DESKS FOR BASES.
E. ALL COUNTERS TO BE SUPPORTED BY 3/4" FRTW PLYWOOD, UNLESS OTHERWISE NOTED.
F. COORDINATE MILLWORK LOCKING WITH ARCHITECT AND OWNER PRIOR TO FURNISHING MILLWORK.

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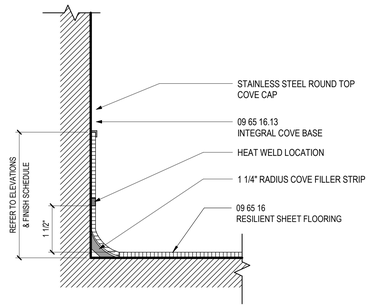
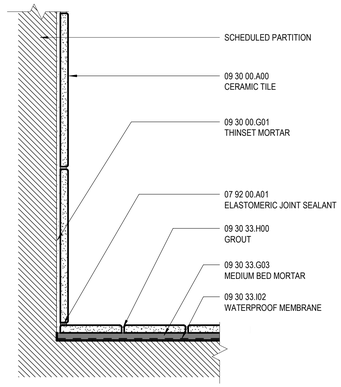
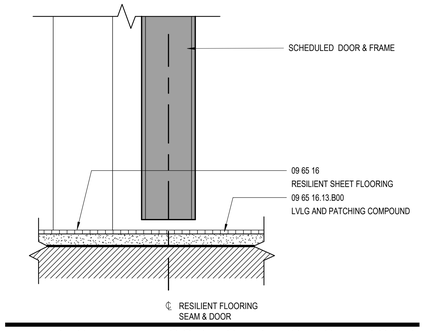


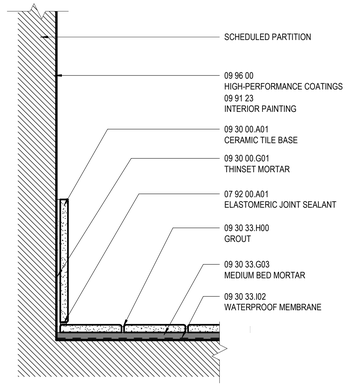
05 INTEGRAL COVE BASE - RESILIENT FLOOR
SCALE: 6" = 1'-0"



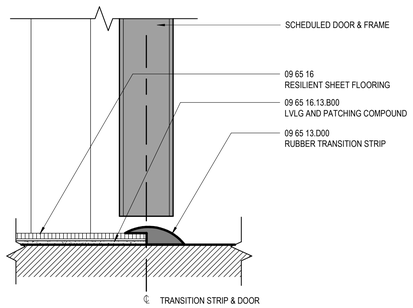
01 TILE WALL - TILE FLOORING
SCALE: 6" = 1'-0"



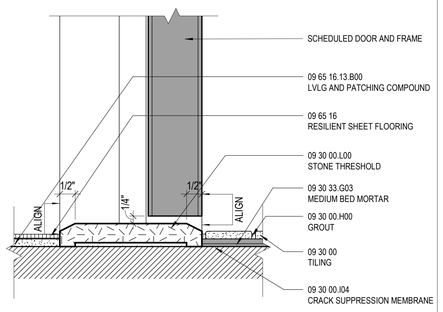
06 RESILIENT FLOORING TRANSITION - DOOR
SCALE: 6" = 1'-0"



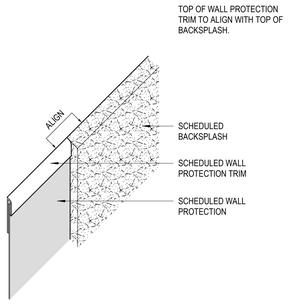
02 TILE BASE - TILE FLOORING
SCALE: 6" = 1'-0"



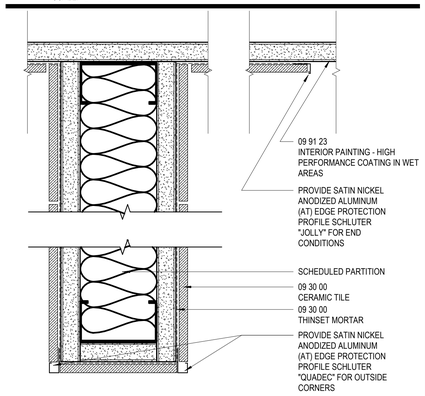
07 RESILIENT FLOORING TO CONC
SCALE: 6" = 1'-0"



03 STONE THRESHOLD - TILE FLOOR
SCALE: 6" = 1'-0"



08 ALIGNMENT - ACROVYN
SCALE: 3" = 1'-0"



04 TILE - OUTSIDE CORNER
SCALE: 6" = 1'-0"

GENERAL NOTES

A. ALL TILE WORK TO FOLLOW TCNA STANDARDS FOR INSTALLATION.

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COMMUNICATIONS SYMBOL LIST

VOICE/DATA SYMBOLS

X	DATA OUTLET - FLUSH WALL MOUNT X= CABLE QUANTITY
X	DATA OUTLET - FURNITURE MOUNT X= CABLE QUANTITY
X	DATA OUTLET - FLOOR MOUNT X= CABLE QUANTITY
X	DATA OUTLET - CEILING MOUNT X= CABLE QUANTITY
X	ANALOG OUTLET - FLUSH WALL MOUNT
W	TELEPHONE OUTLET - FLUSH WALL MOUNT MOUNT AT 48" AFF UNLESS OTHEWISE DIRECTED BY ARCHITECTUAL DRAWINGS
MX	MEDIA OUTLET - FLUSH WALL MOUNT (SHARED FACE PLATE FOR DATA AND COAX) X= CABLE QUANTITY
W	WIRELESS OUTLET - CEILING MOUNT
W	WIRELESS OUTLET - WALL MOUNT
DAS	DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNA
SPT	DISTRIBUTED ANTENNA SYSTEM (DAS) SPLITTER
S	SPEAKER (PUBLIC ADDRESS) - CEILING MOUNT
S	SPEAKER (PUBLIC ADDRESS) - WALL MOUNT
XXX	SECURITY CAMERA - DOME FIX = FIXED CAMERA PTZ = POINT, TILT, ZOOM CAMERA 180 = 180 DEGREE CAMERA 360 = 360 DEGREE CAMERA
TV	CATV OUTLET - TERMINATED ON F-TYPE CONNECTOR
	WALL/FLOOR/CEILING MECHANICAL FIRESTOP/PATHWAY
	EZ-PATH SERIES RE-ENTERABLE FIRE STOPPING ASSEMBLY SEE DRAWINGS FOR QUANTITY
	CONDUIT PATHWAY UP
	CONDUIT PATHWAY DOWN
J J J	J-HOOK CABLE ROUTE
	BASKET TRAY / LADDER RACK (FLOOR PLAN)
	LADDER RACK (PART PLAN)

VIEW SYMBOLS

1 / T-200	CALL-OUT TAG VIEW NUMBER / SHEET NUMBER
T-200 / 3	SECTION TAG VIEW NUMBER / SHEET NUMBER

POWER SYMBOLS

	20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V QUADRUPLEX RECEPTACLE - FLUSH WALL MOUNTED
A	SPECIAL PURPOSE RECEPTACLE - FLUSH WALL MOUNTED A = TYPE
FF#	POKE-THRU FOR FLOOR MOUNTED FEED FF# = FURNITURE POWER AND COMMUNICATIONS FEED FC# = FURNITURE COMMUNICATIONS FEED
FF#	CEILING JUNCTION BOX FOR CEILING MOUNTED FEED FF# = FURNITURE POWER AND COMMUNICATIONS FEED FC# = FURNITURE COMMUNICATIONS FEED
J	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
J	FLUSH FLOOR MOUNTED JUNCTION BOX
	PULLBOX
P	POWER POLE
	NEW UNDERGROUNDIN SLAB CONDUIT

HEALTHCARE SYMBOLS

M	NURSE CALL MASTER STATION
E	NURSE CALL EMERGENCY STATION
L	NURSE CALL LAVATORY STATION
D	NURSE CALL DUTY STATION
S	NURSE CALL STAFF STATION
B	NURSE CALL CODE BLUE STATION
NCE / F	NURSE CALL EQUIPMENT CABINET-SURFACE MOUNTED F = FLUSH WALL MOUNTED
1 / 1	NURSE CALL CORRIDOR LAMP, WALL MOUNTED C = CEILING MOUNTED # = NUMBER OF LAMP SECTIONS
2 / 1	NURSE CALL ZONE LAMP, WALL MOUNTED, NUMBER OF LAMP SECTIONS EQUAL TO NUMBER OF COLORS IN ASSOCIATED CORRIDOR LAMPS. C = CEILING MOUNTED # = ZONE NUMBER
CI / F	INTERCOM CENTRAL EQUIPMENT SURFACE MOUNTED F = FLUSH WALL MOUNTED
CI / M	INTERCOM STATION M = MASTER STATION
CM	CENTRAL MONITORING - COMBINATION POWER/SIGNAL 2 GANG PARTITIONED WALLBOX WITH A DUPLEX RECEPTACLE AND 3/4"C (1.5"C AT NURSE'S STATION) TERMINATED IN A 90° BEND 6" INTO ACCESSIBLE CEILING FM = FETAL MONITOR
PM	PHYSIOLOGICAL MONITORING - COMBINATION POWER/SIGNAL 2 GANG PARTITIONED WALLBOX WITH A DUPLEX RECEPTACLE AND 3/4"C (1.5"C AT NURSE'S STATION) TERMINATED IN A 90° BEND 6" INTO ACCESSIBLE CEILING FM = FETAL MONITOR

COMMUNICATIONS ABBREVIATIONS

+	SPECIAL MOUNTING HEIGHT. COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS	HC	HUNG CEILING
		HH	HAND HOLE
AC	ABOVE COUNTER	ID	INSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR	IDF	INTERMEDIATE DISTRIBUTION FRAME
AL	ALUMINUM	INST	INSTRUMENT
ALM	ALARM		
ARF	ABOVE RAISED FLOOR	JB	JUNCTION BOX
ASYM	ASYMMETRICAL		
AV	AUDIO VISUAL	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MDF	MAIN DISTRIBUTION FRAME
		MH	MANHOLE
BG	BREAK GLASS SWITCH	MIC	MICROPHONE
BLDG	BUILDING	MIN	MINIMUM
		MTD	MOUNTED
C	CONDUIT	MTG	MOUNTING
CAB	CABINET		
CAM	CAMERA	NIC	NOT IN CONTRACT
CAT	CATALOG	NTS	NOT TO SCALE
CCTV	CLOSED CIRCUIT TELEVISION		
CL	CENTER LINE	OC	ON CENTER
CLG	CEILING	OD	OUTSIDE DIAMETER
CLOS	CLOSET		
CM	CENTRAL MONITORING	PB	PULL BOX
COMM	COMMUNICATION	PM	PHYSIOLOGICAL MONITORING
CONN	CONNECTED	POE	POINT OF ENTRY
CONT	CONTINUATION	PTS	PNEUMATIC TUBE SYSTEM
CU	COPPER		
		(RE)	RELOCATED EXISTING
DB	DECIBEL	(RRO)	EXISTING TO BE REMOVED AND RETURN TO OWNER
DEG	DEGREE	RECEPT, REC	RECEPTACLE
DIA	DIAMETER	REQ	REQUIRED
DIV	DIVISION	RFL	RAISED FLOOR
DWG	DRAWING	RG	ROOM GROUND POINT
°C	DEGREE CELSIUS	RM	ROOM
°F	DEGREE FAHRENHEIT	RO	RACEWAY ONLY
(E)	EXISTING TO REMAIN	SCH	SCHEDULE
(ER)	EXISTING TO BE REMOVED	SECT	SECTION
(ERRR)	EXISTING TO BE REMOVED & RELOCATED	SIG	SIGNAL
EA	EACH	SN	SOLID NEUTRAL
EC	ELECTRICAL CONTRACTOR	SPEC	SPECIFICATION
EL	ELEVATION	SPKR	SPEAKER
ELEC	ELECTRICAL	SW	SWITCH
ELEV	ELEVATOR		
EMER, EM	EMERGENCY	TBB	TELECOMMUNICATIONS BONDING BACKBONE
EQUIP	EQUIPMENT	TBD	TO BE DETERMINED
EXIST, EX	EXISTING	TC	TELECOMMUNICATIONS CONTRACTOR
EXT	EXTERIOR	TEL	TELEPHONE
		TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
F&I	FURNISH AND INSTALL	TLBD	TERMINAL BOARD
FBO	FURNISHED BY OTHER DIVISION OF WORK	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
FL	FLOOR	TR	TELECOMMUNICATIONS ROOM
FLEX	FLEXIBLE	TV	TELEVISION
FT	FEET OR FOOT	TYP	TYPICAL
G	GROUND	UFD	UNDERFLOOR DUCT
		UON	UNLESS OTHERWISE NOTED
		WP	WEATHERPROOF

COMMUNICATIONS DEMOLITION NOTES

1. LOCATE, IDENTIFY, SEPARATE, AND COMPLETELY REMOVE AND DISPOSE OF ALL EXISTING COMMUNICATIONS CABLING (UNLESS OTHERWISE INDICATED AS "EXISTING TO REMAIN" OR "EXISTING TO REMAIN AND RELOCATE") WITHIN THE AREAS TO BE RENOVATED AND THE EXISTING TERMINATIONS IN THE COMMUNICATIONS CLOSETS IN ACCORDANCE WITH ELECTRICAL CODE REQUIREMENTS FOR REMOVAL OF ABANDONED CABLING.
2. OTHER ACTIVE LOW VOLTAGE CABLING (INCLUDING COMMUNICATION, SECURITY, BAS, ETC.) SERVING AREAS NOT TO BE RENOVATED SHALL BE PROPERLY SECURED AND BUNDLED, BASED ON OWNER REQUIREMENTS FOR THE FACILITY, AND SEPARATELY FROM THE CABLING TO BE REMOVED. SURVEY, IDENTIFY AND PROTECT IN PLACE PRIOR TO DEMOLITION. DO NOT REMOVE OR DAMAGE ANY CABLING SERVING AREAS NOT TO BE RENOVATED.
3. ACTIVE OPTICAL FIBER AND COPPER RISER CABLES, NETWORK SWITCHES, AND OTHER ACTIVE EQUIPMENT IS PRESENT IN THE TELECOM CLOSET. DO NOT DAMAGE OR DISTURB.
4. LOCATE, IDENTIFY, REMOVE AND DISPOSE OF ALL EXISTING OUTLET BACKBONES, STUB-UPS AND CONDUITS NOTED ON DEMOLITION DRAWINGS AS "EXISTING TO BE REMOVED" (ER), OR "EXISTING TO BE REMOVED & RELOCATED" (ERR).
5. WHERE COMPLETELY ABANDONED AS PART OF DEMOLITION, REMOVE AND SAVE FOR OWNER'S REUSE EXISTING EQUIPMENT RACKS AND PATCH PANELS UNLESS OTHERWISE DIRECTED BY OWNER.

COMMUNICATIONS GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA, UL, ADA AND ALL OTHER GOVERNING AGENCIES HAVING JURISDICTION.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS.
3. VERIFY LOCATIONS OF OUTLETS IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH.
4. HOMERUN ALL VOICE, DATA, SECURITY, AND VIDEO OUTLET CABLES VIA CONDUIT STUB-UPS, DRYWALLS AND ACCESSIBLE CEILINGS DIRECTLY TO THE TELECOMMUNICATION ROOMS AS INDICATED ON THE DRAWINGS.
5. INSTALL NEW WORK AND CONNECT TO EXISTING WORK, WHEN APPLICABLE, WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE INTERRUPTED.
6. FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION. PROVIDE FIRESTOPPING FOR ALL SLEEVE AND CONDUIT PENETRATIONS THROUGH RATED PARTITIONS OR FLOORS IN ACCORDANCE WITH THE SPECIFICATIONS. PENETRATIONS SHALL BE VIA APPROVED FIRESTOPPING DEVICES.
7. ANY DAMAGE TO PARTITIONS, FLOORS, CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT CAUSED BY THE WORK OF THE CONTRACTOR SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. ALL CUTTING AND PATCHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
9. UPON COMPLETION OF THE WORK, THREE MARKED-UP SETS OF "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND TWO SETS TO THE BUILDING MANAGER.
10. COMMUNICATIONS CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK AND BECOME FAMILIAR WITH EXISTING CONDITIONS. CONTRACTOR SHALL PERFORM THIS PRIOR TO SUBMITTING A PROPOSAL. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
11. CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC., AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, CONTRACTOR AT CONTRACTOR'S OWN EXPENSE SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
12. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
13. ANY BLOCK WALLS WITHOUT EXISTING PENETRATION MUST BE CORED/DRILLED BY CONTRACTOR BASED ON FIELD COORDINATION.
14. ALL WORK SUBJECT TO FULL FIELD COORDINATION BY CONTRACTOR.
15. COORDINATE INSTALLATION OF CONDUITS, CABLE TRAYS AND J-HOOKS WITH ALL OTHER COMPONENTS AND/OR TRADES WITHIN THE CEILING SPACE.
16. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE ROUTING OF ALL STUB-UPS AND/OR RACEWAYS TO EACH TELECOM OUTLET BOX. STUB-UPS AND RACEWAYS SHALL BE RUN TO THE NEAREST ACCESSIBLE CEILING SPACE.
17. STANDARD OUTLET MOUNTING HEIGHT SHALL BE THE SAME AS ELECTRICAL HEIGHT, UNLESS OTHERWISE NOTED. EXACT LOCATION OF OUTLETS SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
18. LABEL ALL RACKS, FRAMES, CABINETS, BLOCKS, CABLES, CABLE SUPPORTS, ETC. IN ACCORDANCE WITH EIA/TIA 606.
19. OUTLET IDENTIFICATION NUMBERING SHALL BE AS DIRECTED BY OWNERS MIS DEPARTMENT. INSTALLATION SHALL COMPLY WITH SPECIFICATIONS. EACH CABLING SHALL BE TAGGED AT ALL TERMINATION POINTS.

COMMUNICATIONS GROUNDING & BONDING NOTES

1. GROUNDING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES, AND SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER.
2. ALL GROUND WIRES AND BONDING JUMPERS SHALL BE GREEN INSULATED COPPER. ALL GROUND WIRES SHALL BE WITHOUT JOINTS AND SPLICES OVER THE ENTIRE LENGTH.
3. WHERE IT IS NECESSARY TO PLACE BONDING CONDUCTORS IN FERROUS METAL CONDUIT THAT EXCEEDS 3' IN LENGTH, THE CONDUCTORS SHALL BE BONDED TO EACH END OF THE CONDUIT. OBTAIN WRITTEN AUTHORIZATION FROM ENGINEER PRIOR TO UTILIZING FERROUS METAL CONDUITS FOR GROUNDING CONDUCTORS.
4. INSTALL BONDING AND GROUNDING CONDUCTORS IN DIRECT, STRAIGHT PATHS WITH NO "SLACK" COPPER LOOPS OR EXTRA LENGTHS. BENDS SHALL BE KEPT TO A MINIMUM, AND SHALL HAVE A RADIUS OF 4", MINIMUM.
5. PROVIDE AN INSULATED, STRANDED UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TMGB AND THE NEAREST BUILDING STEEL COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE TMGB WITH A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE CONDUCTOR.
6. PROVIDE AN INSULATED, STRANDED UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TMGB AND THE MAIN ELECTRICAL PANEL ALTERNATING CURRENT EQUIPMENT GROUND THAT IS SERVING THE BUILDING. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE TMGB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH TWO HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ONTO EACH END OF THE BONDING CONDUCTOR.
7. PROVIDE AN INSULATED, UNINTERRUPTED TELECOMMUNICATIONS BONDING BACKBONE (TBB) CONDUCTOR BETWEEN THE TMGB AND ALL THE TGBS INDICATED ON THE DRAWINGS. MECHANICALLY BOND THE TBB TO THE TMGB WITH A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE END OF THE TBB. BOND EACH TGB TO THE TBB WITH AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE TGB AND THE TBB. AT THE TGB, UTILIZE A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE END OF THE BONDING CONDUCTOR. AT THE TBB, UTILIZE A HYDRAULICALLY CRIMPED BONDING LUG. REMOVE ONLY AS MUCH INSULATION FROM THE TBB AS IS NECESSARY AND PRACTICAL TO COMPLETE THE BOND.
8. PROVIDE AN INSULATED, UNINTERRUPTED GROUNDING CONDUCTOR FROM EACH TGB TO THE NEAREST ACCESSIBLE STEEL BUILDING COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE TGB WITH A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE CONDUCTOR.
9. PROVIDE AN INSULATED, UNINTERRUPTED GROUNDING CONDUCTOR FROM EACH TGB TO GROUND BAR IN THE ELECTRICAL DISTRIBUTION PANEL SERVING THE TELECOMMUNICATIONS LOADS IN THAT ROOM. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE TGB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH TWO HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ONTO EACH END OF THE BONDING CONDUCTOR.

COMMUNICATIONS PATHWAY NOTES

1. CONDUITS AND SLEEVES ARE SHOWN DIAGRAMMATICALLY AS COMMUNICATION PATHWAY REQUIREMENTS. EXACT ROUTING, BENDS, PULL-BOX LOCATIONS, ETC. ARE SUBJECT TO FIELD CONDITIONS AND SHALL BE COORDINATED WITH ELECTRICAL ENGINEER. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
2. COMMUNICATIONS CONDUIT RUNS SHALL BE INSTALLED WITH:
   A. NO BEND IN EXCESS OF 90-DEGREES.
   B. NO AGGREGATE OF BENDS GREATER THAN 180-DEGREES BETWEEN PULL BOXES OR PULL POINTS.
   C. NO CONTINUOUS SECTION IN EXCESS OF 100'.
   D. NO BENDS OCCURRING WITHIN PULL BOXES.
3. COMMUNICATIONS CONDUIT BENDS SHALL BE INSTALLED WITH:
   A. A BEND RADIUS OF 6-TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS 2 TRADE SIZE OR SMALLER.
   B. A BEND RADIUS OF 10-TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS GREATER THAN 2 TRADE SIZE.
4. COMMUNICATIONS CONDUIT SYSTEM SHALL BE PROPERLY BONDED IN ACCORDANCE WITH ALL NATIONAL OR LOCAL REQUIREMENTS.
5. ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF FIELD-COORDINATED TELECOM PATHWAYS TO ELECTRICAL ENGINEER AND TELECOM ENGINEER FOR REVIEW AND APPROVAL.

COMMUNICATION DRAWING LIST

DRAWING No.	DRAWING TITLE
T-000	COMMUNICATIONS COVER SHEET
DT-100	COMMUNICATIONS DEMOLITION PLAN
T-100.0	COMMUNICATIONS FLOOR PLAN
T-101.0	COMMUNICATIONS FLOOR PLAN 0
T-101.1A	COMMUNICATIONS FLOOR PLAN 1A
T-101.1B	COMMUNICATIONS FLOOR PLAN 1B
T-101.2	COMMUNICATIONS FLOOR PLAN 2
T-400	COMMUNICATIONS DETAILS
T-401	COMMUNICATIONS DETAILS

UNIVERSITY HOSPITAL EMERGENCY DEPARTMENT EXPANSION

ITEM	DESCRIPTION:	MANUFACTURER:	PART NUMBER	NOTES:
	RACKS - CABINETS-DELIVERY SYSTEMS			
1	2 POST, 19" FREE STANDING RACK - 45 RACK UNITS - BLACK	CHATSWORTH	55053-703	
2	6" VERTICAL DOUBLE SIDED WIRE MANAGERS WITH HINGED DOOR - BLACK	PANDUIT	PRZVC008	
3	1 RU HORIZONTAL WIRE MANAGER	PANDUIT	WMPSE	
4	2 RU HORIZONTAL WIRE MANAGER	PANDUIT	WMP1E	
5	4 RU HORIZONTAL WIRE MANAGER	PANDUIT		
6	12"X4" BASKET TRAY	PANDUIT		
7	18"X4" BASKET TRAY	PANDUIT		
8	24"X4" BASKET TRAY	PANDUIT		
9	12" LADDER RACK	CHATSWORTH		
10	18" LADDER RACK	CHATSWORTH		
11	24" LADDER RACK	CHATSWORTH		
12	BASKET TRAY SPLICE KIT	PANDUIT		
13	BASKET TRAY SPLICE WASHER KIT	PANDUIT		
14	BASKET TRAY RADIUS KIT	PANDUIT		
15	LADDER RACK SPLICE KIT	CHATSWORTH		
16	LADDER RACK JUNCTION-SPLICE KIT	CHATSWORTH		
17	LADDER RACK RADIUS BEND	CHATSWORTH		
18	TRIANGLE WALL SUPPORT BRACKET	CHATSWORTH		
19	WALL ANGLE SUPPORT KIT	CHATSWORTH		
20	DROP OUT KIT - BASKET TRAY	PANDUIT		
21	DROP OUT KIT - LADDER RACK	CHATSWORTH		
	CATERGORY (6A) BILL OF MATERIAL			
22	CATEGORY 6A - UTP - CMP- XXX	GENERAL GENSPEED	7141839 / 7141840	BLUE FOR DATA / WHITE FOR VOICE
23	48 PORT ANGLED PATCH PANEL - CATEGORY 6A	PANDUIT	UICMPPA48BLY	
24	RJ-45 CATEGORY 6A JACK MODULE - XXX	PANDUIT		
25	RACK / EQUIPMENT CATEGORY 6A PATCH CORDS	PANDUIT		
26	WORKSTATION CATEGORY 6A PATCH CORDS	PANDUIT		
27	WALL MOUNTED SINGLE GANG 4 PORT FACEPLATE - WHITE	PANDUIT		
28	MODULAR FURNITURE SINGLE GANG 4 PORT FACEPLATE - WHITE	PANDUIT		
29	PLASTIC SNAP-IN ICON FOR JACK MODULE	PANDUIT		
30	BLANKS FOR UNUSED FACEPLATE PORTS - WHITE	PANDUIT		
	OPTICAL FIBER BILL OF MATERIAL			
31	12 STRAND OFNP - PLENUM DISTRIBUTION; 900UM; SINGLEMODE; 12MM OD	CORNING		
32	1RU OPTICAL FIBER SHELF	CORNING	CCH-01U	
33	2RU OPTICAL FIBER SHELF	CORNING	CCH-02U	
34	4RU OPTICAL FIBER SHELF	CORNING	CCH-04U	
35	12 PORT LC COUPLER PANEL - SM - OS2	CORNING		
36	LC FIBER OPTIC CONNECTOR	CORNING		
37	BLANK COUPLER PANELS	CORNING		
38	SINGLEMODE LC TO LC PATCH CORDS	CORNING		
	MISC. BILL OF MATERIALS			
39	POWER STRIP / PDU	RARITAN	PX3-5201R	
40	RE-ENTERABLE FIRE SLEEVE	STI	EZ PATH SERIES 44+	
41	J-HOOK SUPPORTS - ASSEMBLY	CADDY	CAT425 / CAT64HP	
42	TELECOMMUNICATIONS GROUND BUS BAR KIT 12" / 20"			
43	TWO-HOLE, LONG BARREL COPPER COMPRESSION LUGS			

KEY PLAN

NJ DCA #5250-33

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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY MICHAEL GILLESPIE No. GE055959 LICENSED PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
COMMUNICATIONS COVER SHEET

Scale
NONE

T-000

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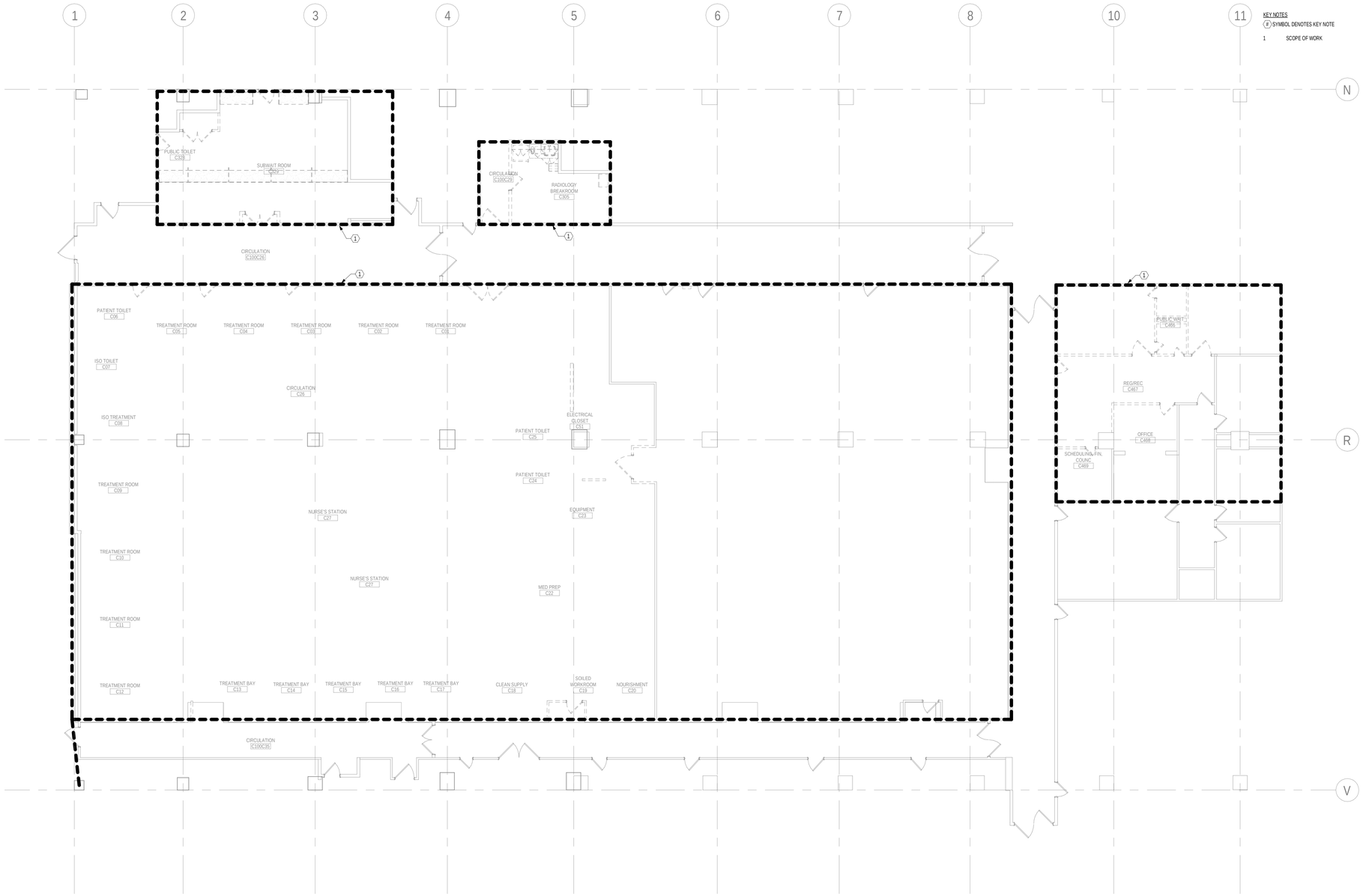
DEMOLITION NOTES:

1. REMOVE COMMUNICATIONS DEVICES WITHIN AREA OF WORK, U.O.N. REMOVE ALL UNUSED CONDUIT, RACEWAYS, WIRE, CABLE, JUNCTION BOXES, AND RELATED COMMUNICATION ACCESSORIES COMPLETELY BACK TO SOURCE.
2. CLIENT RESERVES THE RIGHT OF FIRST REFUSAL IN OWNERSHIP OF ANY EQUIPMENT, ITEMS, AND MATERIALS TO BE REMOVED FROM THE BUILDING AND SITE. UPON REFUSAL, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING MATERIAL FROM THE SITE.
3. INVESTIGATION OF EXISTING COMMUNICATION SYSTEMS WILL BE REQUIRED BY THE CONTRACTOR AS PART OF THE BID PRICE, SO THAT THE EXACT EXTENT OF DEMOLITION CAN BE ACCURATELY DETERMINED. THE CONTRACTOR'S BID PRICE SHALL ALSO COVER REMOVAL OF SOME PORTIONS OF COMMUNICATION SYSTEMS NOT EXPLICITLY SHOWN OF THE DRAWING BUT DISCOVERED DURING THE INVESTIGATION PROCESS. THE CONTRACTOR SHALL WORK WITH THE ARCHITECT, ENGINEER, AND THE OWNER TO DETERMINE WHICH PORTIONS OF EXISTING SYSTEMS MUST REMAIN ACTIVE AND WHICH PORTIONS MUST BE DEMOLISHED.
4. PATCH AND REPAIR ALL FLOOR, WALL, AND CEILING OPENINGS DUE TO DEMOLITION WHICH ARE NOT TO BE REUSED TO MATCH EXISTING CONSTRUCTION.
5. CONTRACTOR SHALL PROTECT ALL WALLS, CEILING, FLOORS, LIGHTS, AND OTHER FINISHED SURFACES THAT ARE NOT TO BE REMOVED. IF DAMAGED, CONTRACTOR SHALL PATCH AND REPAIR.
6. REFER TO COVER SHEET T-000 FOR ADDITIONAL COMMUNICATIONS DEMOLITION NOTES.

KEY NOTES

SYMBOL DENOTES KEY NOTE

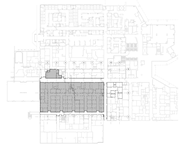
1 SCOPE OF WORK



1 LEVEL C PHASE 1

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

KEY PLAN



NJ DCA #5250-33

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	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

COMMUNICATIONS DEMOLITION PLAN
LEVEL C PHASE 1

Scale

1/8" = 1'-0"

DT-100

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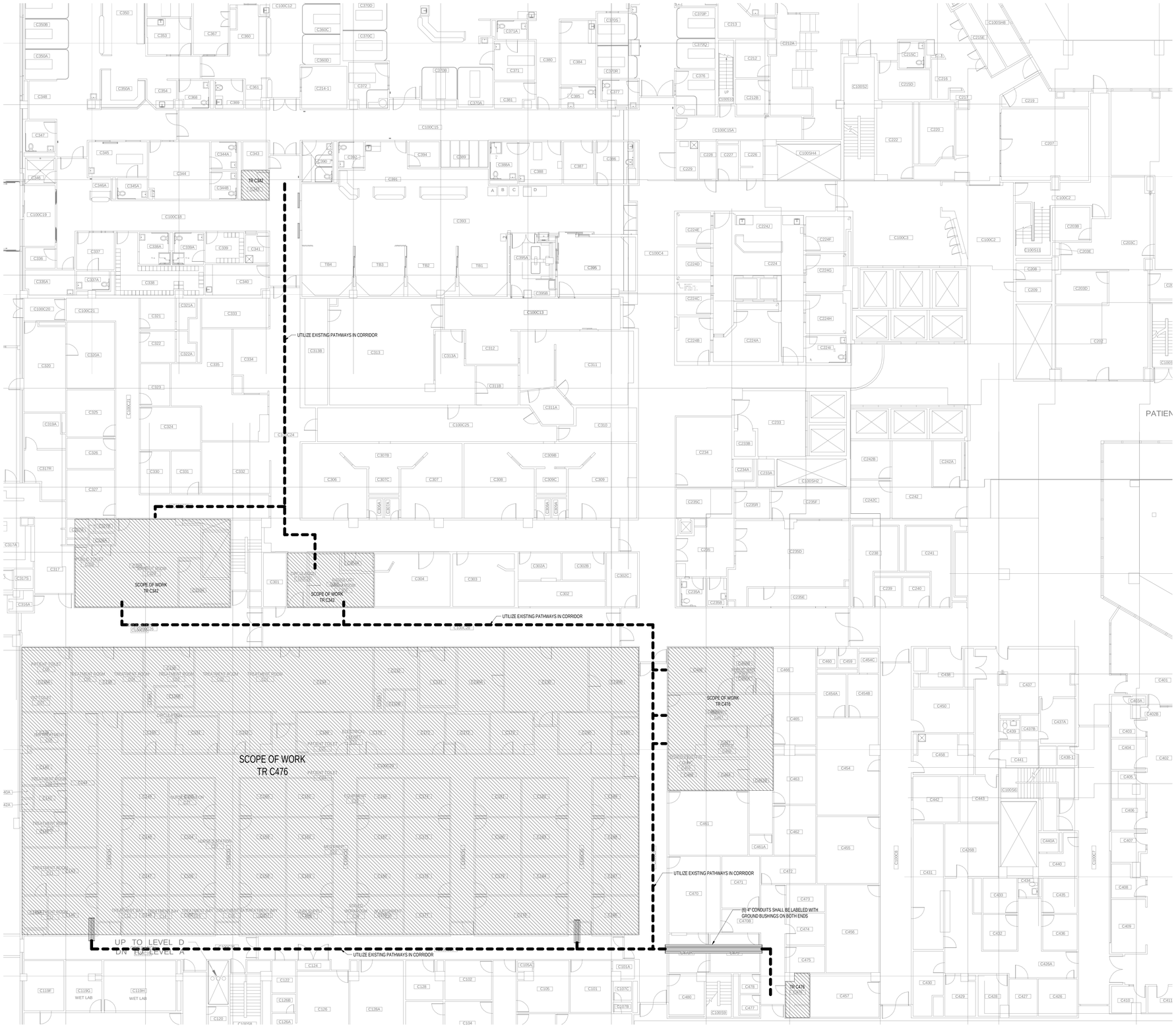
DRAWING NOTES:

1. SEE DRAWING T-000 FOR COMMUNICATIONS LEGEND AND GENERAL NOTES.
2. COMMUNICATIONS CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TELECOMMUNICATIONS PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.
5. REFER TO BILL OF MATERIAL TABLE ON COVER SHEET T-000 FOR MANUFACTURER AND PART NUMBERS OF MATERIAL.
6. SEE RESPECTIVE FLOOR PLANS FOR PENETRATION LOCATIONS INTO SPACE FOR SCOPE OF WORK.



1 LEVEL C PHASE 1 - OVERALL
SCALE: 3/32" = 1'-0"

KEY PLAN

NJ DCA #5250-33

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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLIGAN
No. GE065959
LICENSED
PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
COMMUNICATIONS FLOOR PLAN
LEVEL C PHASE 1 - TR LOCATIONS AND CONDUIT ROUTE

Scale
3/32" = 1'-0"

T-100.0

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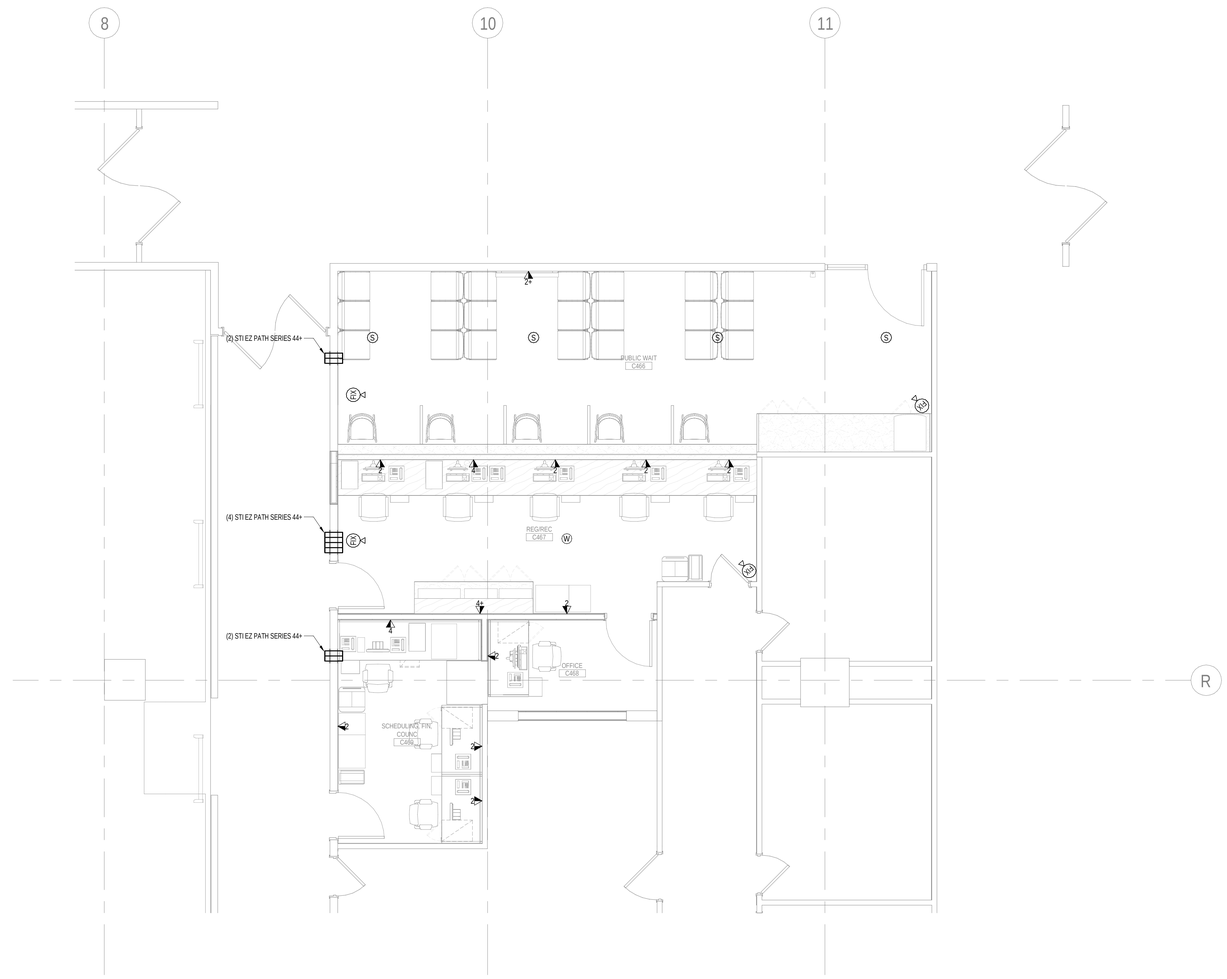
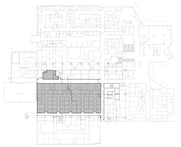
DRAWING NOTES:

1. SEE DRAWING T-000 FOR COMMUNICATIONS LEGEND AND GENERAL NOTES.
2. COMMUNICATIONS CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TELECOMMUNICATIONS PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.
5. REFER TO BILL OF MATERIAL TABLE ON COVER SHEET T-000 FOR MANUFACTURER AND PART NUMBERS OF MATERIAL.



1 LEVEL C PHASE 1 - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN



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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
COMMUNICATIONS FLOOR PLAN 0
LEVEL C PHASE 1 - RADIOLOGY

Scale
1/4" = 1'-0"

T-101.0 A

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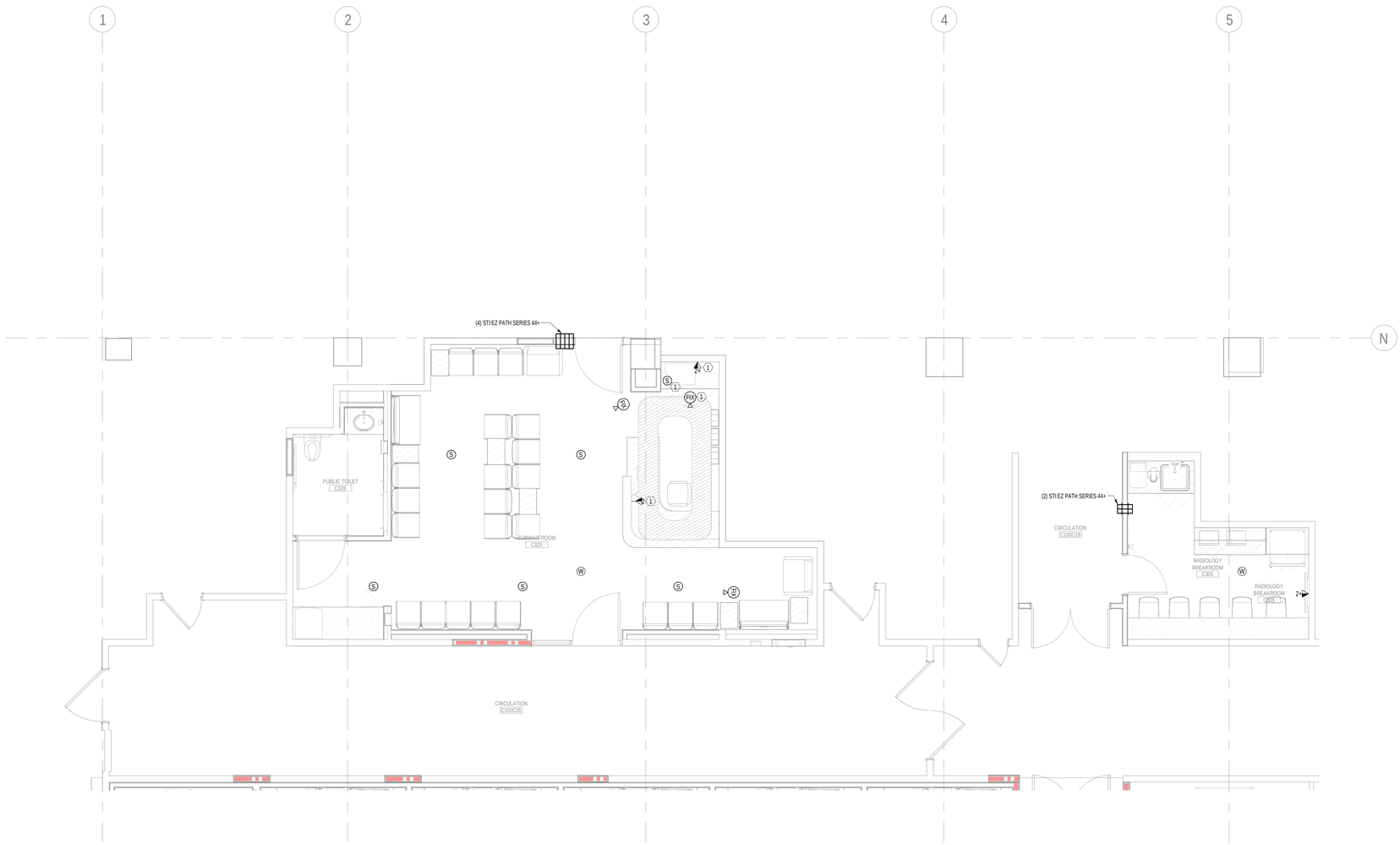
DRAWING NOTES:

1. SEE DRAWING T-000 FOR COMMUNICATIONS LEGEND AND GENERAL NOTES.
2. COMMUNICATIONS CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TELECOMMUNICATIONS PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.
5. REFER TO BILL OF MATERIAL TABLE ON COVER SHEET T-000 FOR MANUFACTURER AND PART NUMBERS OF MATERIAL.

KEY NOTES

SYMBOL DENOTES KEY NOTE

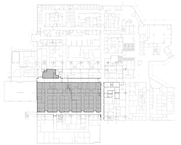
1 ROUTE CONDUITS TO ACCESIBLE CEILING.



1 LEVEL C PHASE 1 - WAITING ROOM

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

KEY PLAN



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	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

COMMUNICATIONS FLOOR PLAN 1A
LEVEL C PHASE 1 - WAITING ROOM

Scale

1/4" = 1'-0"

T-101.1A

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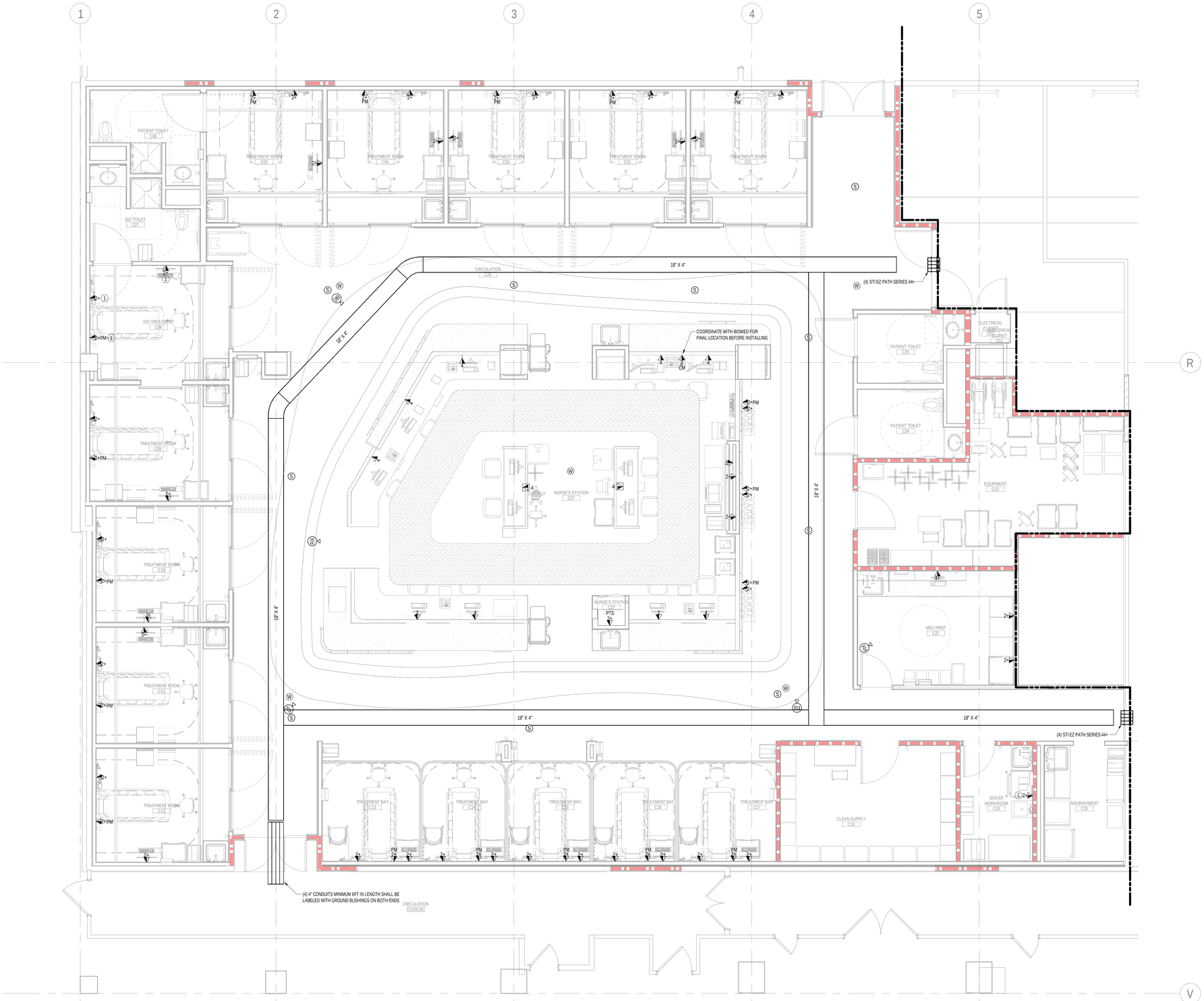


1 LEVEL C PHASE 1 - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

DRAWING NOTES:

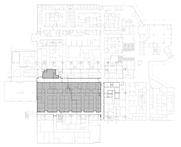
1. SEE DRAWING T-000 FOR COMMUNICATIONS LEGEND AND GENERAL NOTES.
2. COMMUNICATIONS CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TELECOMMUNICATIONS PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.
5. REFER TO BILL OF MATERIAL TABLE ON COVER SHEET T-000 FOR MANUFACTURER AND PART NUMBERS OF MATERIAL.

KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 ROUTE CONDUITS DIRECTLY TO CABLE TRAY IN ACCESSIBLE CEILING.

KEY PLAN



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Tel 212.382.2100

△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
COMMUNICATIONS FLOOR PLAN 1B
LEVEL C PHASE 1 - EMERGENCY DEPARTMENT

Scale
1/4" = 1'-0"

T-101.1B

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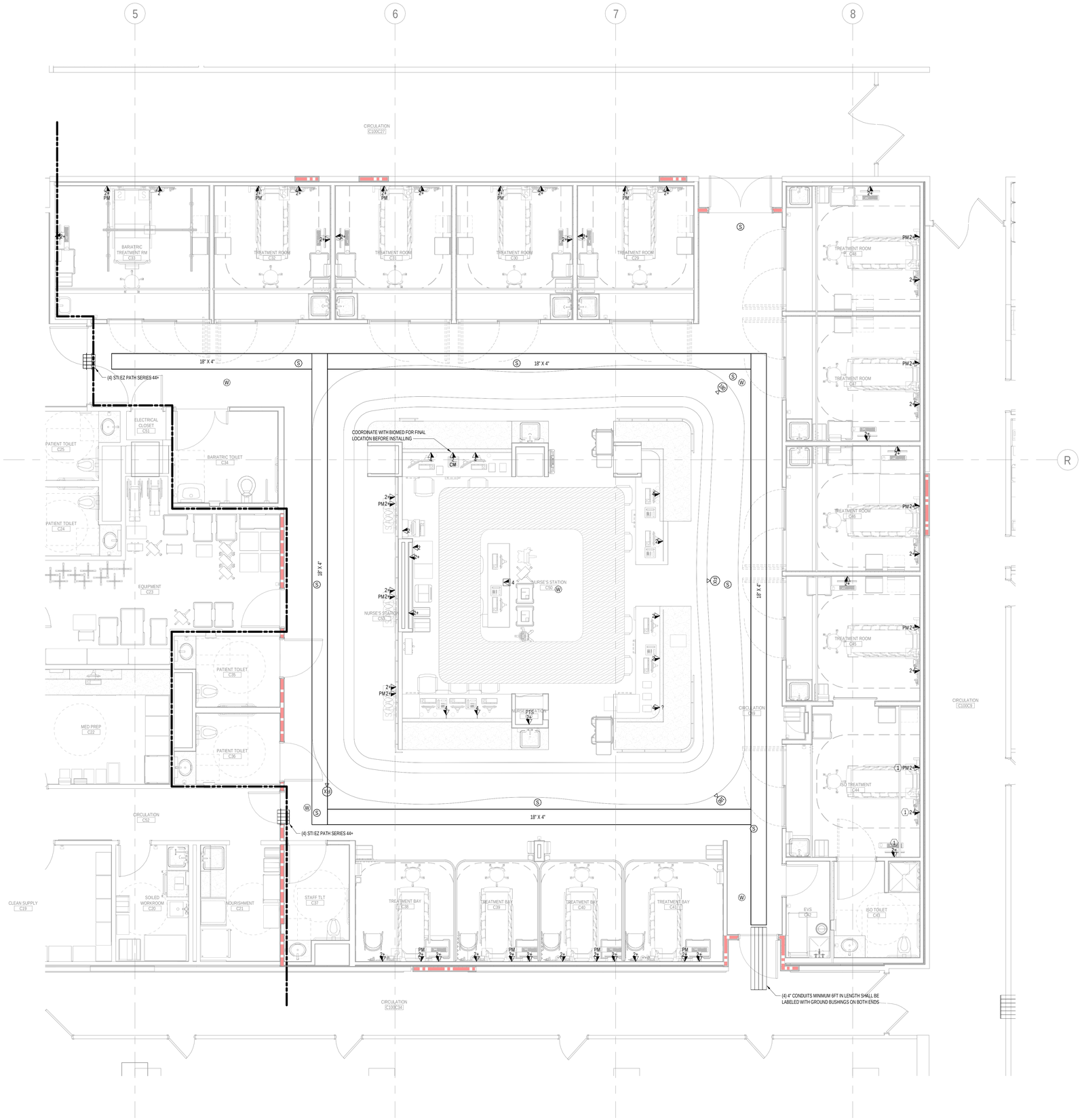
DRAWING NOTES:

1. SEE DRAWING T-000 FOR COMMUNICATIONS LEGEND AND GENERAL NOTES.
2. COMMUNICATIONS CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TELECOMMUNICATIONS PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.
5. REFER TO BILL OF MATERIAL TABLE ON COVER SHEET T-000 FOR MANUFACTURER AND PART NUMBERS OF MATERIAL.

KEY NOTES

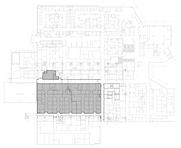
(#) SYMBOL DENOTES KEY NOTE

1 ROUTE CONDUITS DIRECTLY TO CABLE TRAY IN ACCESSIBLE CEILING.



1 LEVEL C PHASE 2 - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

KEY PLAN



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A 10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

COMMUNICATIONS FLOOR PLAN 2
LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

T-101.2

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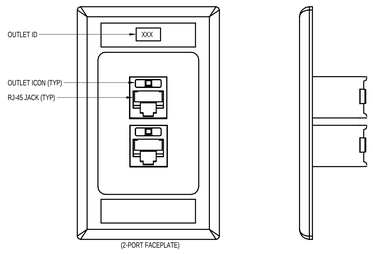


(2-PORT FACEPLATE)

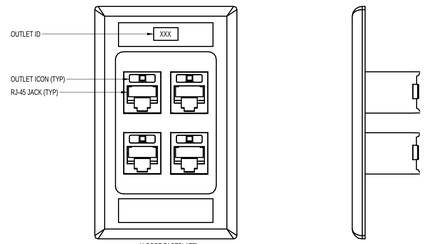
PM CM PTS
2 2 2 2

FLUSH WALL MOUNTED WORK AREA OUTLET

1. F&I TWO (2) 4-PAIR, PLENUM-RATED, UNSHIELDED TWISTED PAIR (UTP) CABLES TERMINATED ON 8-PIN MODULAR JACKS AT WORKSTATION.
2. TERMINATE CABLES WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLES IN FLOOR SERVING TELECOMMUNICATIONS ROOM (TR) ON NEW PATCH PANEL.
4. PROVIDE MACHINE GENERATED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. PROVIDE TWO (2) 7' PATCH CABLES AT FIELD END AND PROVIDE TWO (2) 7' PATCH CABLES AT TELECOMMUNICATIONS ROOM (TR) END.
6. VERIFY COLOR AND LENGTH OF PATCH CABLES WITH OWNER PRIOR TO FINAL ORDER.

2-PORT WORK AREA OUTLET

SCALE: NONE



(4-PORT FACEPLATE)

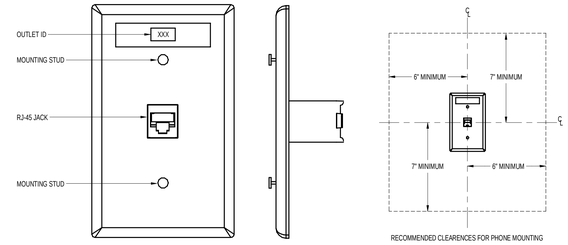
4

FLUSH WALL MOUNTED WORK AREA OUTLET

1. F&I FOUR (4) 4-PAIR, PLENUM-RATED, UNSHIELDED TWISTED PAIR (UTP) CABLES TERMINATED ON 8-PIN MODULAR JACKS AT WORKSTATION.
2. TERMINATE CABLES WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLES IN FLOOR SERVING TELECOMMUNICATIONS ROOM (TR) ON NEW PATCH PANEL.
4. PROVIDE MACHINE GENERATED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. PROVIDE TWO (2) 7' AND TWO (2) 5' PATCH CABLES AT FIELD END AND PROVIDE TWO (2) 7' PATCH CABLES AT TELECOMMUNICATIONS ROOM (TR) END.
6. VERIFY COLOR AND LENGTH OF PATCH CABLES WITH OWNER PRIOR TO FINAL ORDER.

4-PORT WORK AREA OUTLET

SCALE: NONE



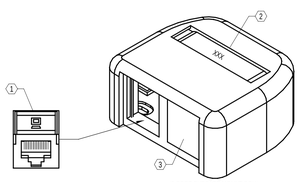
W

STANDARD FLUSH MOUNT WALL PHONE OUTLET

1. F&I ONE (1) 4-PAIR, PLENUM-RATED, UNSHIELDED TWISTED PAIR (UTP) CABLE TERMINATED ON AN 8-PIN MODULAR JACK.
2. TERMINATE CABLE WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLE IN FLOOR SERVING TELECOMMUNICATIONS ROOM (TR) ON NEW PATCH PANEL.
4. STAINLESS STEEL FACEPLATE TO BE PROVIDED WITH WALL PHONE MOUNTING STUDS.
5. PROVIDE SHORT PATCH CORD JUMPER AT FIELD END AND ONE (1) 7' PATCH CABLE AT TELECOMMUNICATIONS ROOM (TR) END.
6. VERIFY COLOR AND LENGTH OF PATCH CABLES WITH OWNER PRIOR TO FINAL ORDER.
7. PROVIDE MACHINE GENERATED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.

FLUSH MOUNT WALL PHONE OUTLET

SCALE: NONE



(2-PORT SURFACE MOUNT BOX)

KEY NOTES:

1. RJ-45 MODULAR JACK DATA.
2. WIRELESS ACCESS POINT LABEL.
3. BLANK INSERT.

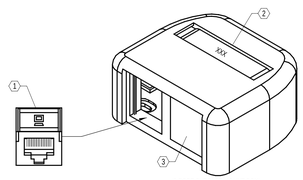
W

WIRELESS ACCESS POINT (WAP) OUTLET

1. F&I ONE (1) 4-PAIR, PLENUM-RATED, UNSHIELDED TWISTED PAIR (UTP) CABLE TERMINATED ON AN 8-PIN MODULAR JACK.
2. TERMINATE CABLE WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLE IN FLOOR SERVING TELECOMMUNICATIONS ROOM (TR) ON NEW PATCH PANEL.
4. PROVIDE MACHINE GENERATED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. PROVIDE ONE (1) 10' PLENUM RATED PATCH CABLE AT FIELD END AND ONE (1) 7' PATCH CABLE AT TELECOMMUNICATIONS ROOM (TR) END.
6. PROVIDE TEMPORARY, REMOVABLE LABEL ON CEILING TILE/GRID TO IDENTIFY OUTLET LOCATION WHEN LOCATED ABOVE HUNG CEILING.

1-PORT WIRELESS ACCESS POINT

SCALE: NONE



(2-PORT SURFACE MOUNT BOX)

KEY NOTES:

1. RJ-45 MODULAR JACK DATA.
2. SECURITY CAMERA LABEL.
3. BLANK INSERT.

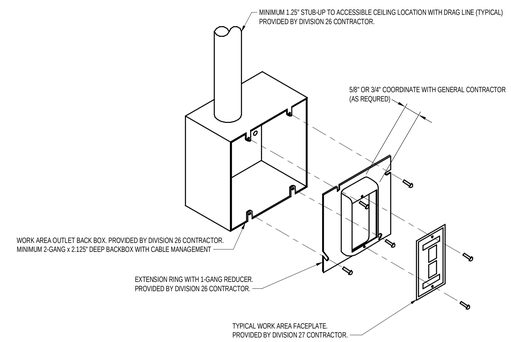
XXX

SECURITY CAMERA OUTLET (XXX=TYPE)

1. F&I ONE (1) 4-PAIR, PLENUM-RATED, UNSHIELDED TWISTED PAIR (UTP) CABLE TERMINATED ON AN 8-PIN MODULAR JACK.
2. TERMINATE CABLE WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLE ON DEDICATED PATCH PANEL.
4. PROVIDE MACHINE GENERATED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. PROVIDE ONE (1) 5' PLENUM RATED PATCH CABLE AT FIELD END AND ONE (1) 7' PATCH CABLE AT TR END.
6. PROVIDE TEMPORARY, REMOVABLE LABEL ON CEILING TILE/GRID TO IDENTIFY OUTLET LOCATION WHEN LOCATED ABOVE HUNG CEILING.

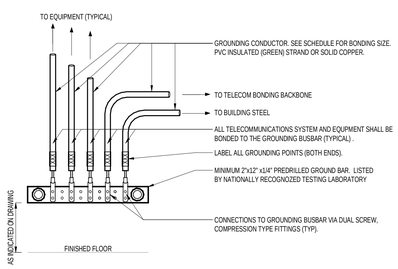
SECURITY CAMERA DATA OUTLET DETAIL

SCALE: NONE



WORK AREA BACK BOX-HARDWALL LOCATIONS

SCALE: NONE



TELECOM GROUNDING BUSBAR (TGB)

SCALE: NONE

GROUNDING & BONDING CONDUCTOR SIZING	
CONDUCTOR LENGTH	SIZE (INCH)
UP TO 50 FEET	#6 AWG SOLID OR STRANDED (0.16 INCH)
50 TO 100 FEET	#4 AWG STRANDED (0.20 INCH)
100 TO 150 FEET	#2 AWG STRANDED (0.26 INCH)
150 TO 200 FEET	#1/0 AWG STRANDED (0.482 INCH)
GREATER THAN 200 FEET	#3/0 AWG STRANDED (0.580 INCH)

GROUNDING & BONDING NOTES:

1. ALL RACKS, CABINETS, LADDER RACK & CONDUITS SHALL BE PROPERLY BONDED TO THE TELECOMMUNICATIONS GROUNDING BUSBAR.
2. REFER TO THE GROUNDING & BONDING CONDUCTOR SIZING SCHEDULE.
3. BONDING AND GROUNDING OF INFRASTRUCTURE SHALL BE PROVIDED BY INSTALLING CONTRACTOR OR BUILDING TRADE AGREEMENTS BETWEEN DIVISION 26 AND 27 CONTRACTORS.

GROUNDING & BONDING CONDUCTOR SIZING

SCALE: NONE

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A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GIULIANO
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

COMMUNICATIONS DETAILS

Scale

NONE

T-400

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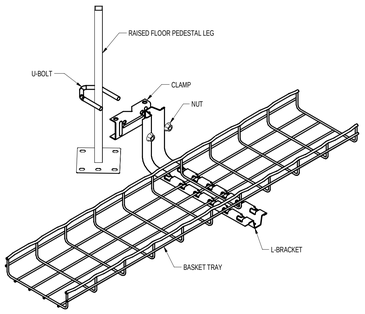
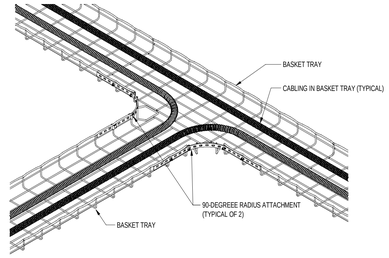


NOTES:

1. CANTILEVER STYLE MOUNTING MAY ONLY WE USED FOR BASKET TRAY OF 12" WIDTH OR LESS.
2. PROVIDE ALL CLIPS, BOLTS, CONNECTORS, CAPS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL BASKET TRAY SHALL BE PROPERLY GROUNDED.

BASKET TRAY CANTILEVER SUPPORT

SCALE: NONE

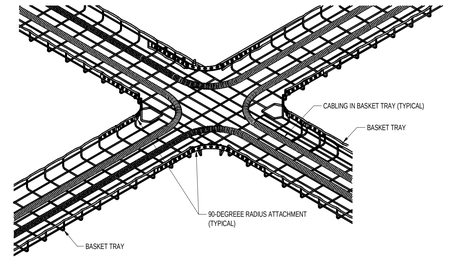


NOTES:

1. PROVIDE TWO (2) 90-DEGREE RADIUS ATTACHMENTS AT ALL POINTS WHERE BASKET TRAY MEETS.
2. PROVIDE ALL CUPS, BOLTS, CONNECTORS, CAPS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL BASKET TRAY SHALL BE PROPERLY GROUNDED.

BASKET TRAY TEE INTERSECTION

SCALE: NONE

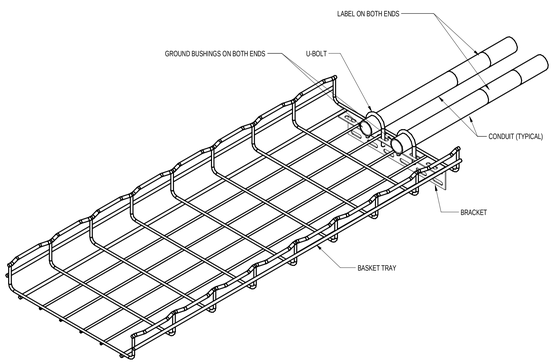


NOTES:

1. PROVIDE 90-DEGREE RADIUS ATTACHMENTS AT ALL POINTS WHERE BASKET TRAY MEETS.
2. PROVIDE ALL CUPS, BOLTS, CONNECTORS, CAPS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL BASKET TRAY SHALL BE PROPERLY GROUNDED.

BASKET TRAY 4 WAY INTERSECTION

SCALE: NONE

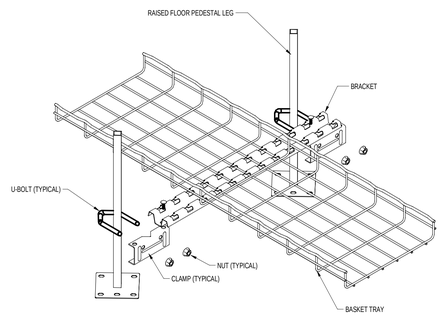


NOTES:

1. COORDINATE EXACT ROUTING OF BASKET TRAY & CONDUIT INTERSECTIONS IN FIELD.
2. PROVIDE ALL CLIPS, BOLTS, CONNECTORS, CAPS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL BASKET TRAY AND DIVIDERS/BARRIERS SHALL BE PROPERLY GROUNDED.

CONDUIT CONNECTION TO BASKET TRAY

SCALE: NONE



NOTES:

1. UTILIZE TRAPEZE STYLE SUPPORTS FOR BASKET TRAY OF 12" WIDTH OR GREATER.
2. PROVIDE ALL CLIPS, BOLTS, CONNECTORS, CAPS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL BASKET TRAY SHALL BE PROPERLY GROUNDED.

BASKET TRAY STANCHION POST SUPPORT DETAIL

SCALE: NONE

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MICHAEL GIULIANO
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

COMMUNICATIONS DETAILS

Scale

NONE

T-401

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ELECTRICAL SYMBOLS LIST

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
NS 'A' a	2'x4'/2'x2' RECESSED CEILING MOUNTED FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' NS = NOT SWITCHED NL = NIGHT LIGHT
EM 'A' a	SIMILAR TO ABOVE WITH EMERGENCY BACKUP 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a'
NL 'A' a	RECESSED LIGHT FIXTURE ON EMERGENCY LIFE SAFETY CIRCUIT 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a'
NS 'A' a	WALL MOUNTED LIGHT FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' NS = NOT SWITCHED NL = NIGHT LIGHT
EM 'A' a	STRIP FIXTURE - TYPE AS NOTED 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' EM = EMERGENCY BACKUP
'A'	UNDERCABINET LIGHT FIXTURE 'A' = FIXTURE TYPE
EM 'A' a	RECESSED CEILING MOUNTED FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' EM = EMERGENCY BACKUP
EM 'A' a	WALL MOUNTED LIGHT FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' EM = EMERGENCY BACKUP
EM 'A' a	ACCENT LIGHT OR WALL WASHER 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' EM = EMERGENCY BACKUP
'X'	CEILING MOUNTED EXIT LIGHT; TYPE 'X' - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES
'X1'	WALL MOUNTED EXIT LIGHT; TYPE 'X' - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES
'A'	EMERGENCY BATTERY LIGHT UNIT 'A' = FIXTURE TYPE
'A'	REMOTE LIGHT HEADS FOR EMERGENCY BATTERY LIGHT UNIT TYPE AS NOTED

POWER SYMBOLS

SYMBOL	DESCRIPTION
S^3_a	SINGLE POLE SWITCH a = CONTROLLING OUTLET 'a' 2 = DOUBLE POLE 3 = THREE-WAY 4 = FOUR-WAY D = DOOR K = KEY OPERATED MO = MOMENTARY CONTACT T = TIME SWITCH P = PILOT LIGHT
$\$_T$	DISCONNECT SWITCH - TOGGLE TYPE WITH THERMAL OVERLOAD - 277V HP RATED
$\$_m$	DISCONNECT SWITCH - TOGGLE TYPE MOTOR RATED, 20A, 1P, U.O.N.
D 450 A	WALL DIMMER - TYPE 'A' NUMBER INDICATES WATTAGE RATING
OS	OCCUPANCY SENSOR, CEILING MOUNTED
OS	OCCUPANCY SENSOR, WALL MOUNTED
PC	PHOTO CONTROL SWITCH
T	TRANSFORMER
a	20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED CONTROLLED FROM WALL SWITCH 'a'
	20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED WITH TWO (2) INTEGRALLY POWERED USB PORTS
	20A, 125V QUADRUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V EMERGENCY QUADRUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V ISOLATED GROUND, DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED.
	20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED. GFI TYPE.
	20A, 125V EMERGENCY DUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V EMERGENCY DUPLEX RECEPTACLE - FLUSH WALL MOUNTED WITH TWO (2) INTEGRALLY POWERED USB PORTS
FM	SINGLE RECEPTACLE - FLUSH WALL MOUNTED FM = FLOOR MACHINE WC = WATER COOLER XR = X-RAY
	20A, 125V DUPLEX RECEPTACLE SURFACE MOUNTED
	20A, 125V SURGE SUPPRESSION DUPLEX RECEPTACLE - FLUSH WALL MOUNTED
C	FLUSH FLOOR MOUNTED JUNCTION BOX OR POKE-THRU FOR ELECTRIFIED FURNITURE POWER FEED C = VOICE/DATA FEED
	20A, 125V DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
C	20A, 125V DUPLEX RECEPTACLE - FLUSH CEILING MOUNTED
	20A, 125V QUADRUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
C	20A, 125V QUADRUPLEX RECEPTACLE - FLUSH CEILING MOUNTED
A	SPECIAL PURPOSE RECEPTACLE - FLUSH WALL MOUNTED A = TYPE
A	SPECIAL PURPOSE RECEPTACLE - FLUSH FLOOR MOUNTED A = INDICATES TYPE
B A	PLUG-IN SURFACE METAL RACEWAY - LETTER INDICATES TYPE - WITH SPECIAL PURPOSE RECEPTACLES WHERE INDICATED
5, 3, 1	HOMERUN-NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY. 2#12+1#12G-3/4"C FOR ONE CKT. HOMERUN, U.O.N. 4#12+1#12G-3/4"C FOR TWO CKT. HOMERUN, U.O.N. 6#12+1#12G-3/4"C FOR THREE CKT. HOMERUN, U.O.N.
1	HOMERUN - NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY
	DIMMER ZONE HOMERUN
	MOTOR CONTROLLER
100/3	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED
30/3	UNFUSED DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED
100/60/3	FUSED DISCONNECT SWITCH; SWITCH AMPS/FUSE AMPS/ # OF POLES, VOLTAGE RATING AS REQUIRED
90/3 CB	ENCLOSED CIRCUIT BREAKER TRIP AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED NA = NON-AUTOMATIC
	SURFACE MOUNTED PANELBOARD
	FLUSH MOUNTED PANELBOARD

(GENERAL SYMBOLS)

SYMBOL	DESCRIPTION
J	CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
J	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
J	FLUSH FLOOR MOUNTED JUNCTION BOX
	PULLBOX
	EXISTING CONDUIT/EQUIPMENT TO BE REMOVED
	EXISTING CONDUIT/EQUIPMENT TO REMAIN
	NEW CONDUIT/EQUIPMENT
	NEW EXPOSED CONDUIT
	NEW UNDERGROUND/IN SLAB CONDUIT
	NEW EMERGENCY CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB-UP WITH FLEXIBLE EQUIPMENT CONNECTION
	FLEXIBLE EQUIPMENT CONNECTION
	CAPPED CONDUIT
K	PUSH BUTTON K = KEY OPERATED H = HOLD UP P = PANIC
A	SECTION A-A
HA 1	FEEDER DESIGNATION H = 480V L = 208V A = SWITCHBOARD 'A' 1 = FEEDER NUMBER ONE

SINGLE LINE DIAGRAM SYMBOLS

SYMBOL	DESCRIPTION
460V 500kVA 120/208V	POWER TRANSFORMER VOLTAGES, WINDINGS AND SIZE AS INDICATED
E N ATS-1 200A 4P	AUTOMATIC TRANSFER SWITCH ATS = AUTOMATIC TRANSFER MTS = MANUAL TRANSFER POLES AND RATING AS NOTED
M	MOTOR
G	GENERATOR
	GROUND CONNECTION
100/90/3	FUSED SWITCH 100 AMP SWITCH / 90 AMP/ 3 POLE
100/3	UNFUSED SWITCH 100 AMP SWITCH / 3 POLE
100/90	CIRCUIT BREAKER - DRAW OUT TYPE 100 AMP FRAME / 90 AMP TRIP
90/3	CIRCUIT BREAKER - MOLDED CASE TYPE 90 AMP TRIP / # OF POLES LT = LONG TIME SETTING ST = SHORT TIME SETTING I = INSTANTANEOUS SETTING
2000/1600	NETWORK PROTECTOR 2000 AMP FRAME / 1600 AMP TRIP
M	DIGITAL MULTIMETER
52 200A	MEDIUM VOLTAGE CIRCUIT BREAKER 200A CAPACITY
200A 52	MEDIUM VOLTAGE CIRCUIT BREAKER DRAW OUT TYPE - 200A CAPACITY
400/5 3	CURRENT TRANSFORMER NUMBER AND RATIO AS INDICATED
100/90	FUSED SWITCH 100 AMP SWITCH / 90 AMP
125A	HOOKSWITCH FUSE - 125A EXPULSION FUSE
	CURRENT LIMITER
	LIGHTNING ARRESTOR WITH GROUND CONNECTION
	CAPACITOR
	REACTOR
100/90/3	COMBINATION MOTOR CONTROLLER AND FUSED DISCONNECT SWITCH; SWITCH AMPS / FUSE AMPS / # OF POLES. VOLTAGE RATING & STARTER SIZE AS REQUIRED
90/3	COMBINATION MOTOR CONTROLLER AND CIRCUIT BREAKER TRIP AMPS / # OF POLES, VOLTAGE RATING & STARTER SIZE AS REQUIRED

RELATED EQUIPMENT

SYMBOL	DESCRIPTION
DH	DOOR HOLDER
DCL	DOOR CLOSER
	END OF LINE RESISTOR
ISO	ISOLATOR MODULE (STYLE 6 OR 7 FAULT PROTECTION)
J	JUNCTION BOX

VOICE/DATA/P.A. SYMBOLS

SYMBOL	DESCRIPTION
S D	WALL MOUNTED PUBLIC ADDRESS SPEAKER D = DUAL HORN
S D	CEILING MOUNTED PUBLIC ADDRESS SPEAKER D = DUAL HORN
##	VOICE & DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING #/# = # OF VOICE JACKS / # OF DATA JACKS
#	VOICE OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING P = PUBLIC F = FAX W = WALL MOUNTED 48"AFF # = NUMBER OF JACKS
#	DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING # = NUMBER OF JACKS
TV	TELEVISION OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING

HEALTHCARE SYMBOLS

SYMBOL	DESCRIPTION
M	NURSE CALL MASTER STATION
E	NURSE CALL EMERGENCY STATION
L	NURSE CALL LAVATORY STATION
D	NURSE CALL DUTY STATION
S	NURSE CALL STAFF STATION
B	NURSE CALL CODE BLUE STATION
NC F	NURSE CALL EQUIPMENT CABINET-SURFACE MOUNTED F = FLUSH WALL MOUNTED
I 1	NURSE CALL CORRIDOR LAMP, WALL MOUNTED C = CEILING MOUNTED # = NUMBER OF LAMP SECTIONS
Z 1	NURSE CALL ZONE LAMP, WALL MOUNTED, NUMBER OF LAMP SECTIONS EQUAL TO NUMBER OF COLORS IN ASSOCIATED CORRIDOR LAMPS. C = CEILING MOUNTED # = ZONE NUMBER
IC F	INTERCOM CENTRAL EQUIPMENT SURFACE MOUNTED F = FLUSH WALL MOUNTED
IC M	INTERCOM STATION M = MASTER STATION
PM	PHYSIOLOGICAL MONITORING - COMBINATION POWER/SIGNAL 2 GANG PARTITIONED WALLBOX WITH A DUPLEX RECEPTACLE AND 3/4"C (1.5"C AT NURSE'S STATION) TERMINATED IN A 90° BEND 6" INTO ACCESSIBLE CEILING FM = FETAL MONITOR

SPECIAL PURPOSE POWER RECEPTACLE SCHEDULE

SYMBOLS	DESCRIPTION	NOTES
	WALL MOUNTED	SPECIAL PURPOSE SIMPLEX RECEPTACLE. SUBSCRIPT DENOTES NEMA CONFIGURATION AS FOLLOWS: 125V, 2P, 3W (GROUNDED), STRAIGHT BLADE TYPE A - (30A) NEMA 5-30R 250V, 2P, 3W (GROUNDED), STRAIGHT BLADE TYPES B - (15A) NEMA 6-15R C - (20A) NEMA 6-20R D - (30A) NEMA 6-30R E - (50A) NEMA 6-50R
	CEILING MOUNTED	125/250V, 3P, 4W (GROUNDED), STRAIGHT BLADE TYPES F - (15A) NEMA 14-15R G - (20A) NEMA 14-20R H - (30A) NEMA 14-30R I - (50A) NEMA 14-50 R
	FLOOR MOUNTED	TWIST-LOCK TYPES J - 125V, 2P, 3W (GROUNDED) (20A) NEMA L5-20R K - 250V, 2P, 3W (GROUNDED) (20A) NEMA L6-20R L - 120/208V, 4P, 5W (GROUNDED) (20A) NEMA L21-20R M - 125V, 2P, 3W (GROUNDED) (30A) NEMA L5-30R

ELECTRICAL ABBREVIATIONS

+	SPECIAL MOUNTING HEIGHT. COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS
1P	SINGLE POLE
2P	TWO POLE
3P	THREE POLE
A	AMPERE
AC	ABOVE COUNTER
ACB	AIR CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALM	ALARM
AMM	AMMETER
AQST	AQUASTAT
ARF	ABOVE RAISED FLOOR
ASYM	ASYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BG	BREAK GLASS SWITCH
BIL	BASIC IMPULSE LEVEL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
CO	CONDUIT ONLY
COMM	COMMUNICATION
CONN	CONNECTED
CONT	CONTINUATION
CT	CURRENT TRANSFORMER
CTL	CONTROL
CU	COPPER
CUH	CABINET UNIT HEATER
DB	DECIBEL
DE	DOUBLE ENDED SUBSTATION
DEG	DEGREE
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DN	DOWN
DP	DISTRIBUTION PANEL BOARD
DT	DUST TIGHT
DWG	DRAWING
°C	DEGREE CELSIUS
°F	DEGREE FAHRENHEIT
(E)	EXISTING TO REMAIN
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED AND RELOCATED
E.C.	EMPTY CONDUIT
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER,EM	EMERGENCY
EQUIP	EQUIPMENT
ERC	ELECTRIC REHEAT COIL
EWC	ELECTRIC WATER COOLER
EXIST,EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAP	FIRE ALARM ANNUNCIATOR PANEL
FBO	FURNISHED BY OTHER DIVISION OF WORK
FCU	FAN COIL UNIT
FDR	FEEDER
FDS	FUSED DISCONNECT SWITCH
FIXT	FIXTURE
FL	FLOOR
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FM	FLOOR MACHINE
FRZ	FREEZER
FSP	FAN SHUTDOWN PANE;
FT	FEET OR FOOT
FTL	FEED THRU LUGS
G	GROUND
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
HC	HUNG CEILING
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HN	HALF NEUTRAL
HP	HORSE POWER
HV	HIGH VOLTAGE
HZ	HERTZ
IC	INTERRUPTING CAPACITY
ID	INSIDE DIAMETER
IG	ISOLATED GROUND
INCAND	INCANDESCENT
INST	INSTRUMENT
IPC	ISOLATED POWER CENTER
IPX	ISOLATED POWER CENTER X-RAY
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LOCAL CONTROL PANEL
LIM	LINE ISOLATION MONITOR
LTG	LIGHTING
MAP	MECHANICAL ALARM PANEL
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MFS	MAIN FUSED SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOPD,MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MUFS	MAIN UNFUSED SWITCH
N	NEUTRAL
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NP	NETWORK PROTECTOR
NTS	NOT TO SCALE
OC	ON CENTER
OCB	OIL CIRCUIT BREAKER
OD	OUTSIDE DIAMETER
P	POLE
PA	PUBLIC ADDRESS
PAP	PLUMBING ALARM PANEL
PB	PULL BOX
PBS	PUSH BUTTON SWITCH
PHC	PIPE HEATING CABLE
PNL	PANEL
PR	PRINTER
PS	PRESSURE SWITCH
PT	POTENTIAL TRANSFORMER
PWR	POWER
ø	PHASE
(RE)	RELOCATED EXISTING
(RRO)	EXISTING TO BE REMOVED AND RETURN TO OWNER
RCS	REMOTE CONTROL SWITCH
RDCP	REMOTE DATA COLLECTION PANEL
RECEPT,REC	RECEPTACLE
REF	REFRIGERATOR
REQ	REQUIRED
RFL	RAISED FLOOR
RG	ROOM GROUND POINT
RM	ROOM
RO	RACEWAY ONLY
RP	REFERENCE GROUND POINT
SAP	SPRINKLER ALARM PANEL
SBST	SUBSTATION
SCHED,SCH	SCHEDULE
SD	SMOKE DETECTOR
SDP	SMOKE DETECTION PANEL
SE	SINGLE ENDED SUBSTATION
SECT	SECTION
SIG	SIGNAL
SN	SOLID NEUTRAL
SP	SINGLE POLE
SPD	SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SV	SOLENOID VALVE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYS	SYSTEMS
TB	TROUBLE BELL
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPERATURE
THERM	THERMOSTAT
TLBD	TERMINAL BOARD
TP	TAMPER PROOF
TRANSF,XFMR	TRANSFORMER
TS	TAMPER SWITCH
TV	TELEVISION
TYP	TYPICAL
UFD	UNDERFLOOR DUCT
UH	UNIT HEATER
UNF	UNFUSED
UON	UNLESS OTHERWISE NOTED
V	VOLT OR VOLTAGE
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VP	VAPORPROOF
W	WATT
WFS	WATERFLOW SWITCH
WHM	WATT HOUR METER
WP	WEATHERPROOF
WT	WATERTIGHT
XP	EXPLOSION PROOF

ELECTRICAL DRAWING LIST

DRAWING No.	DRAWING TITLE
E-000	ELECTRICAL COVER SHEET
DE-100	ELECTRICAL DEMOLITION PLAN
E-100.0	ELECTRICAL FLOOR PLAN
E-100.1	ELECTRICAL FLOOR PLAN
E-101.0	ELECTRICAL FLOOR PLAN 0
E-101.1A	ELECTRICAL FLOOR PLAN 1A
E-101.1B	ELECTRICAL FLOOR PLAN 1B
E-101.2	ELECTRICAL FLOOR PLAN 2
E-201.0	ELECTRICAL FLOOR PLAN 0
E-201.1A	ELECTRICAL FLOOR PLAN 1A
E-201.1B	ELECTRICAL FLOOR PLAN 1B
E-201.2	ELECTRICAL FLOOR PLAN 2
E-210E	ELECTRICAL FLOOR PLAN
E-210W	ELECTRICAL FLOOR PLAN
E-300	ELECTRICAL HEADWALL ELEVATIONS
E-400	ELECTRICAL DIAGRAM
E-500	ELECTRICAL SCHEDULES
E-501	ELECTRICAL SCHEDULES
E-600	ELECTRICAL DETAILS

ELECTRICAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
2. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE SOURCE OF POWER SUPPLY.
3. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
4. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
5. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
6. ALL RACEWAYS WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
7. ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
8. EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.
9. PORTIONS OF FEEDER RUNS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECTS, CABLE TYPE, CONDUCTOR AMPACITY, CONDUIT SIZES, ETC.
10. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR, AS DIRECTED BY THE OWNER.
12. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
13. THE SHUTDOWN OF EXISTING BUILDING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

ELECTRICAL GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL ELECTRICAL DRAWINGS.
2. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
4. SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY), EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
5. PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES OR APPLIANCES (EXCEPT PIPE CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH FROM PIPE COVERS).
6. CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREAD OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.
7. HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED. DO NOT RUN CONDUIT IN PRECAST ROOF SLABS, IN 2 INCH SLABS OR IN TERRAZZO FLOOR FINISH.
8. LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS. RACEWAYS OVER 10 FT LONG IN WHICH WIRING IS NOT INSTALLED: FURNISH FISH WIRE.
9. SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
10. VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
11. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
12. COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.
13. PROVIDE PULLBOXES WHERE INDICATED, WHERE REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.
14. EMPTY RACEWAY RUNS: PROVIDE PULLBOXES EVERY 100 FT AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
15. JUNCTION AND PULLBOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.
16. SUPPORT PANEL, JUNCTION AND PULLBOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
17. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
18. CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH FLEXIBLE CONDUIT (MINIMUM 18 IN. LENGTH AND 50% SLACK). DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.
19. PROVIDE 2#14 INDICATING PILOT LIGHT WIRES FROM PILOT LIGHT IN CONTROLLER TO LOAD SIDE OF DISCONNECT SWITCH. RUN WIRES IN BRANCH CIRCUIT CONDUIT AND INCREASE CONDUIT SIZE AS REQUIRED.
20. PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
21. PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. COMMON BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.
22. HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:

RECEPTACLES AND TELEPHONES:	
GENERALLY	1'-6"
OVER WORK BENCHES	3'-6"
WALL SWITCHES	4'-0"
WALL FIXTURES	7'-0"
MOTOR CONTROLLERS	5'-0"
FA SPEAKERS & HORNS	7'-6"
FIRE ALARM STATIONS	4'-0"
CLOCKS	7'-6"
STROBE LIGHTS	6'-8" TO BOTTOM

   A. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE REQUIREMENTS, AS NOTED OR DIRECTED.

   B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND CONFIRMING ALL MOUNTING HEIGHTS WITH ARCHITECT AND ARCHITECTURAL DRAWINGS.

23. WIRE COLOR CODING: AS PER CODE. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
24. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM. INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE INTERRUPTED.
25. FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION.
26. LIGHTING FIXTURE SCHEDULE STANDARD NOTE: LIGHTING FIXTURE SCHEDULE SHOWN ON ENGINEER'S DRAWINGS ARE FOR INFORMATION PURPOSES ONLY. LIGHTING FIXTURES SHOWN ARE THOSE SELECTED BY ARCHITECT. ENGINEER SHALL NOT BE RESPONSIBLE FOR INFORMATION SHOWN RELATED TO FIXTURE SELECTION AND OVERALL LIGHTING DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.
27. TO THE BEST OF THE APPLICANT'S KNOWLEDGE, BELIEF AND PROFESSIONAL. JUDGEMENT, THESE PLANS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL COVER SHEET

Scale
NONE

E-000

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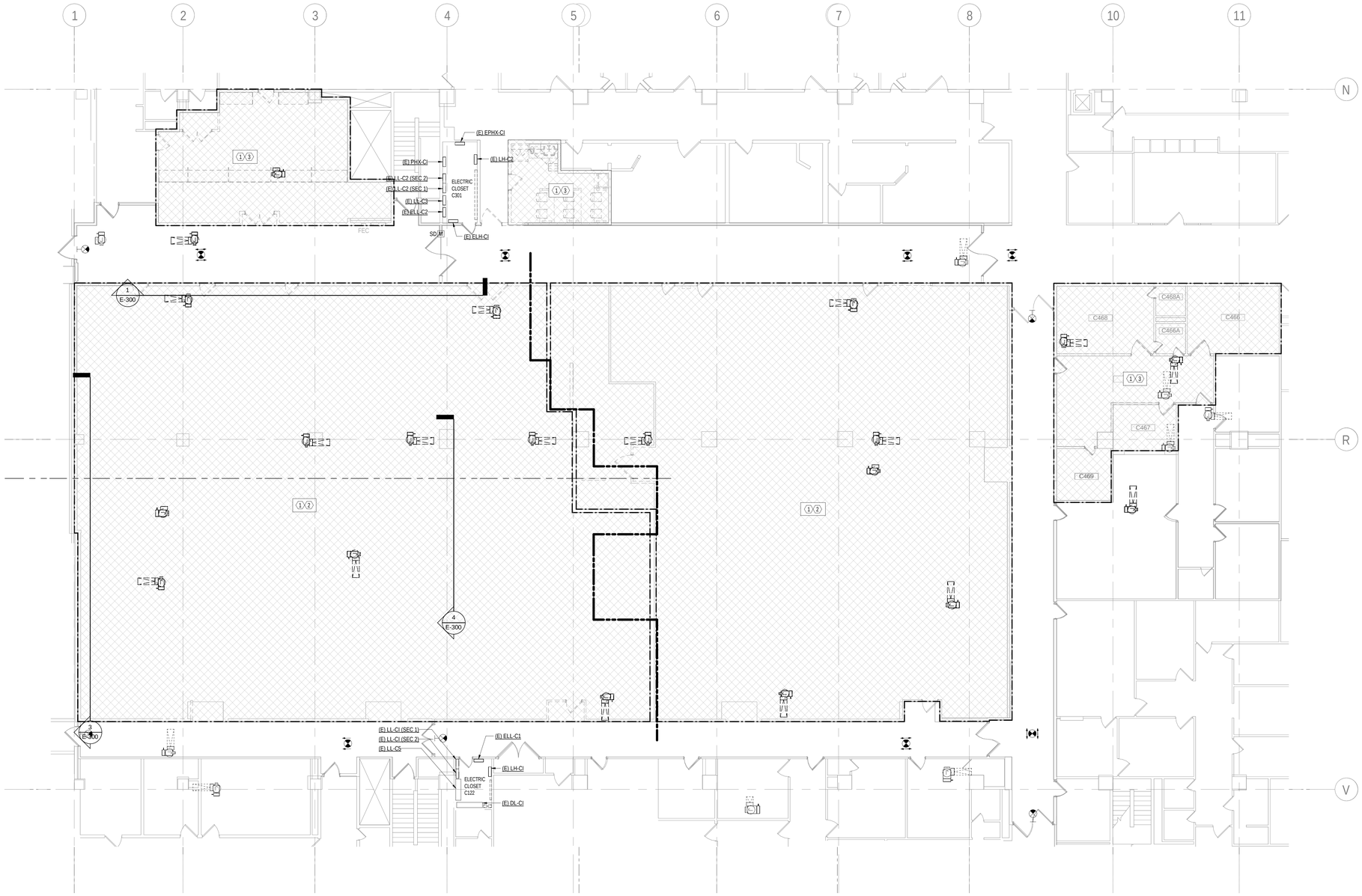
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 CIRCUITS THAT FEED EXISTING AREAS OF THE HOSPITAL OUTSIDE THE SCOPE OF THE CURRENT PHASE MUST BE MAINTAINED OR REFED FROM ALTERNATE SOURCES. COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR ACCPETABLE SOURCES.

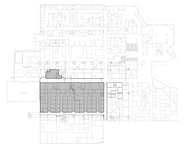
2 DISCONNECT AND REMOVE ALL POWER AND DATA RECEPTACLES, LIGHTING AND CONTROL DEVICES IN THE INDICATED AREA. PULL ALL WIRE AND CONDUIT BACK TO SOURCE AND DISPOSE.

3 DISCONNECT AND REMOVE ALL POWER AND DATA RECEPTACLES, LIGHTING AND CONTROL DEVICES IN THE INDICATED AREA. PULL AND WIRE CONDUIT FOR RECEPTACLES BACK TO SOURCE AND DISPOSE. RETAIN NORMAL POWER AND LIFE SAFETY POWER CIRCUITS FOR LIGHTING FOR REUSE DURING CONSTRUCTION PHASE.



1 LEVEL C - PHASE 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL DEMOLITION PLAN
LEVEL C - PHASE 1

Scale
1/8" = 1'-0"

DE-100

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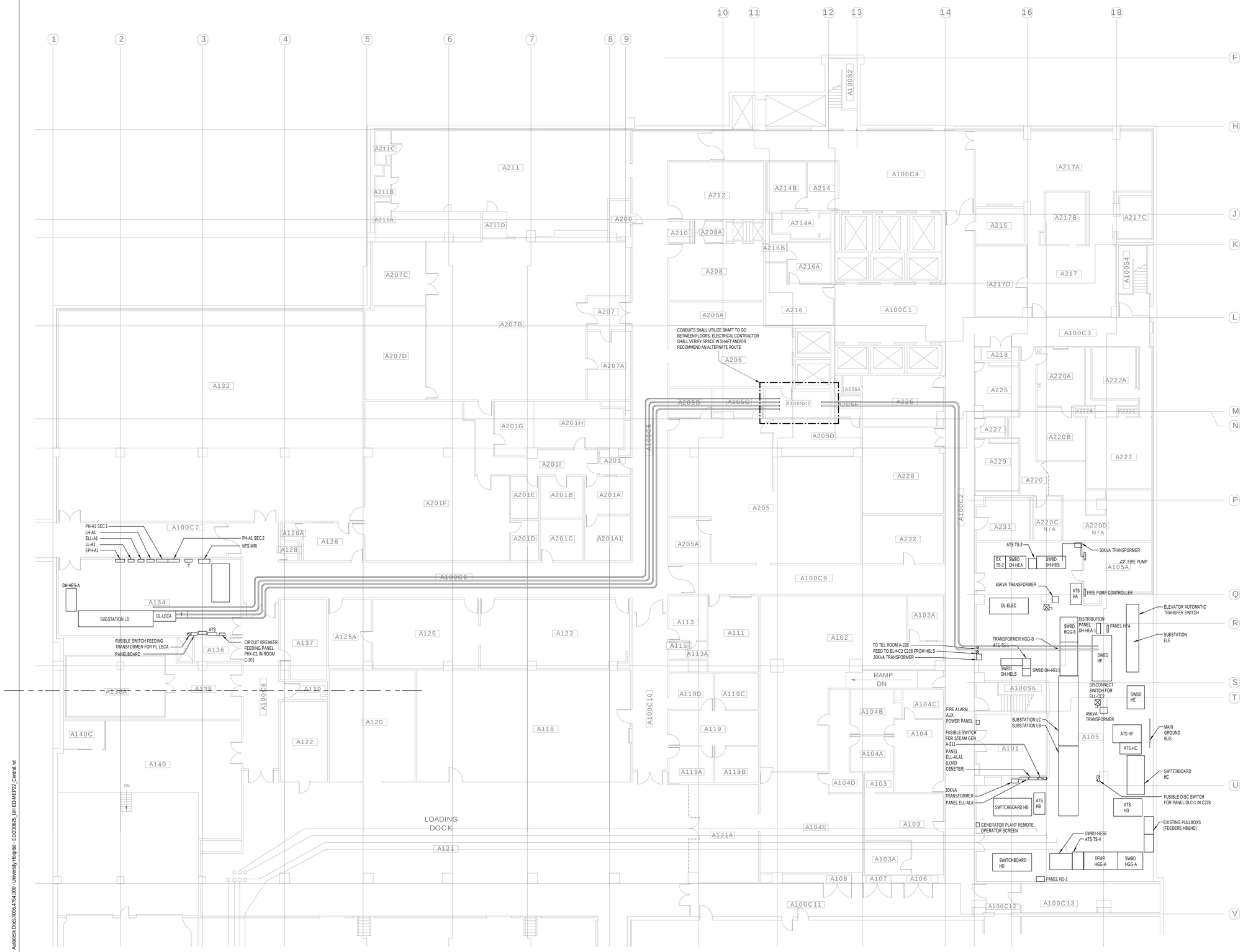
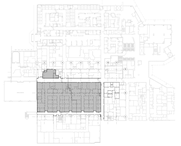
DRAWING NOTES:

1. CONDUIT ROUTING IS SHOWN FOR REFERENCE ONLY. EXACT CONDUIT ROUTING SHALL BE FIELD COORDINATED WITH EXISTING INFRASTRUCTURE, THE OWNERS REPRESENTITIVE, AND THE DESIGN TEAM.



1 LEVEL A
SCALE: 3/32" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL FLOOR PLAN
LEVEL A PHASE 1 - SWITCHGEAR LOCATIONS AND CONDUIT ROUTE

Scale
3/32" = 1'-0"

E-100.0

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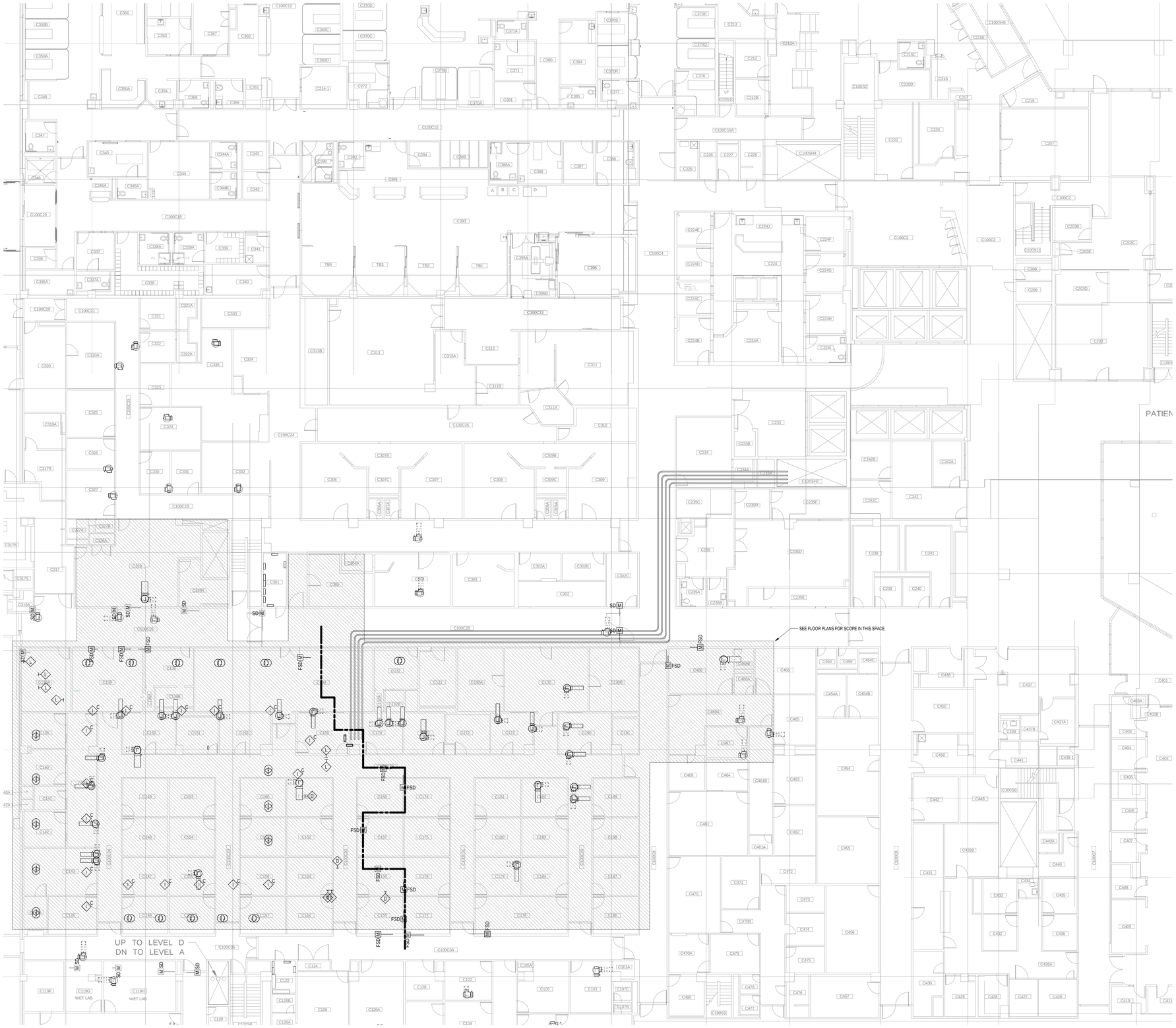

1 LEVEL C PHASE 1 - POWER & DATA - OVERALL
SCALE: 3/32" = 1'-0"

KEY PLAN

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL FLOOR PLAN
LEVEL C PHASE 1 - PANEL LOCATIONS AND CONDUIT ROUTE

Scale
3/32" = 1'-0"

E-100.1

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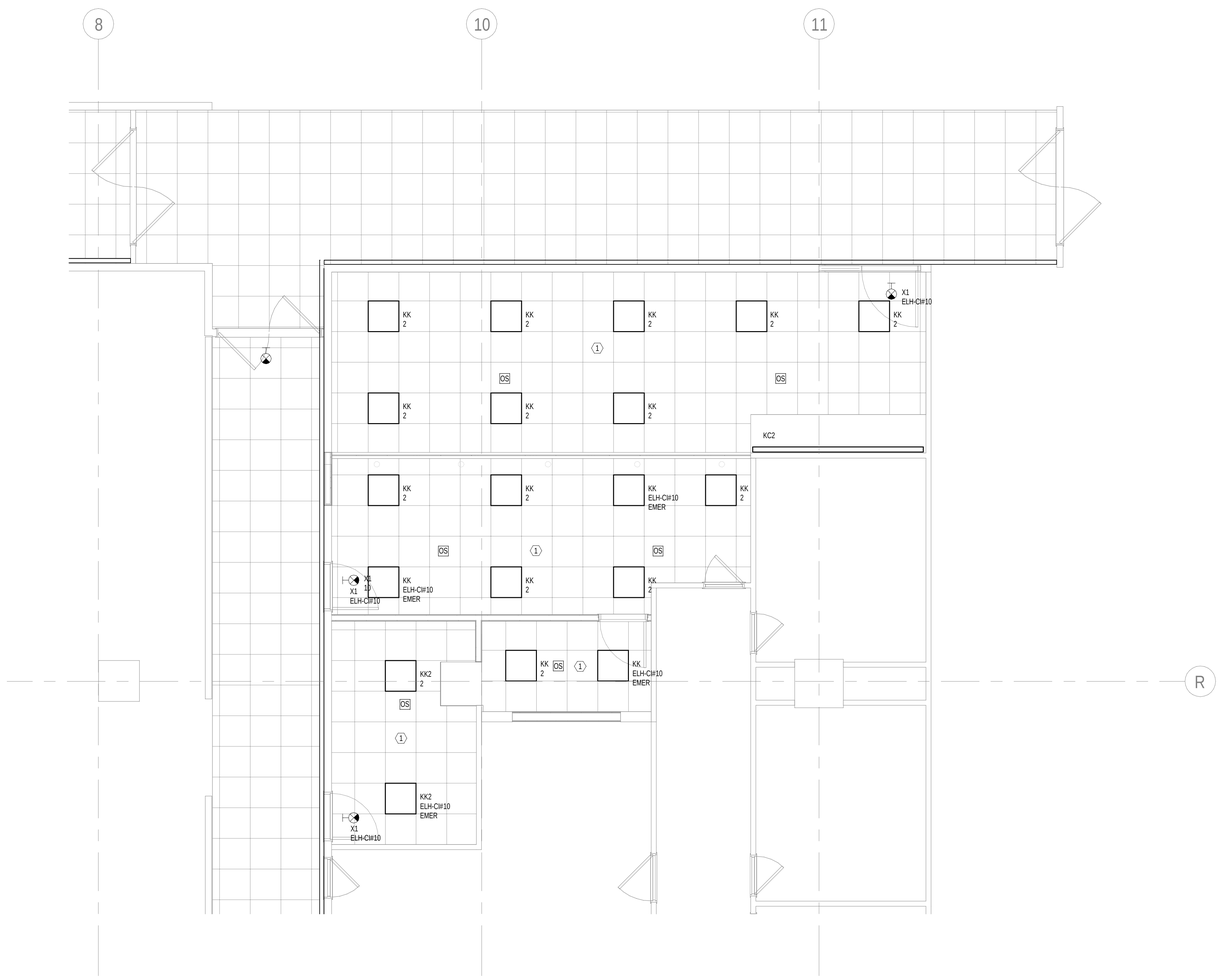
NOTE:

NORMAL POWER LIGHTING CIRCUITING INDICATES GROUPINGS. UTILIZE 277V LIGHTING CIRCUITS RETAINED FROM DEMOLITION. UPDATE PANEL SCHEDULES AS REQUIRED.



1 LEVEL C PHASE 1 - LIGHTING - RADIOLOGY
SCALE: 1/4" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES AND SYMBOLS LIST, SEE DWG. E-000.
2. REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES. COORDINATE LOCATIONS OF DEVICES WITH CASEWORK, FURNITURE, AND EQUIPMENT ELEVATIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
3. ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
4. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION, OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
5. FOR ALL 15 AND 20-AMPERE, 120-VOLT, SINGLE-POLE CIRCUITS: PROVIDE 2#12 & #12G IN 3/4" CONDUIT FOR CIRCUIT LENGTHS LESS THAN 75 FEET, AND 2#10 & #10G IN 3/4" CONDUIT FOR CIRCUIT LENGTHS GREATER THAN 75 FEET.
6. LIGHTING CONTROL DEVICES SHALL BE FLUSH WITH FINAL WALL FINISH. PROVIDE BACK BOX EXTENDER ACCESSORY AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR WALL FINISH SPECIFICATIONS.
7. DEVICE BACK BOXES SHALL NOT BE INSTALLED BACK-TO-BACK. PROVIDE 6 INCH MINIMUM SEPARATION BETWEEN BACK BOXES.
8. ALL OCCUPANCY/VACANCY SENSORS NOT CONNECTED TO LIGHTING CONTROL PANEL, SHALL BE PROVIDED WITH POWER PACK(S). COORDINATE WITH VENDOR FOR WIRING REQUIREMENT. SENSORS SHALL BE SET TO AUTOMATICALLY SHUT LIGHTS OFF AT NO MORE THAN 15 MINUTES UPON SENSING NO OCCUPANT IN THE ROOM SPACE.
9. CONTRACTOR SHALL PROVIDE ALL REQUIRED JUNCTION BOXES, TROUGH, WIRING DROPS, CONDUIT, WIRING AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL INSTALLATION IN ACCORDANCE WITH LIGHTING MANUFACTURERS SHOP DRAWINGS, FIELD CONDITION, CODE REQUIREMENTS, AND CONTRACT DOCUMENTS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE WIRING/PROGRAMING OF THE OCCUPANCY/VACANCY SENSOR. MANUFACTURER'S FIELD TECHNICAL REPRESENTATIVE TO VISIT THE SITE AND SUPERVISE FINAL SENSOR ADJUSTMENT AS REQUIRED.

KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 CONNECT ALL LIGHT FIXTURES DESIGNATED AS NORMAL TO THE NORMAL POWER CIRCUIT RETAINED FROM DEMOLITION PHASE. CONNECT ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY TO THE LIFE SAFETY CIRCUIT RETAINED FROM DEMOLITION. UPDATE ALL PANEL SCHEDULES AS REQUIRED.

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL FLOOR PLAN 0
LEVEL C PHASE 1 - LIGHTING - RADIOLOGY

Scale
1/4" = 1'-0"

E-101.0

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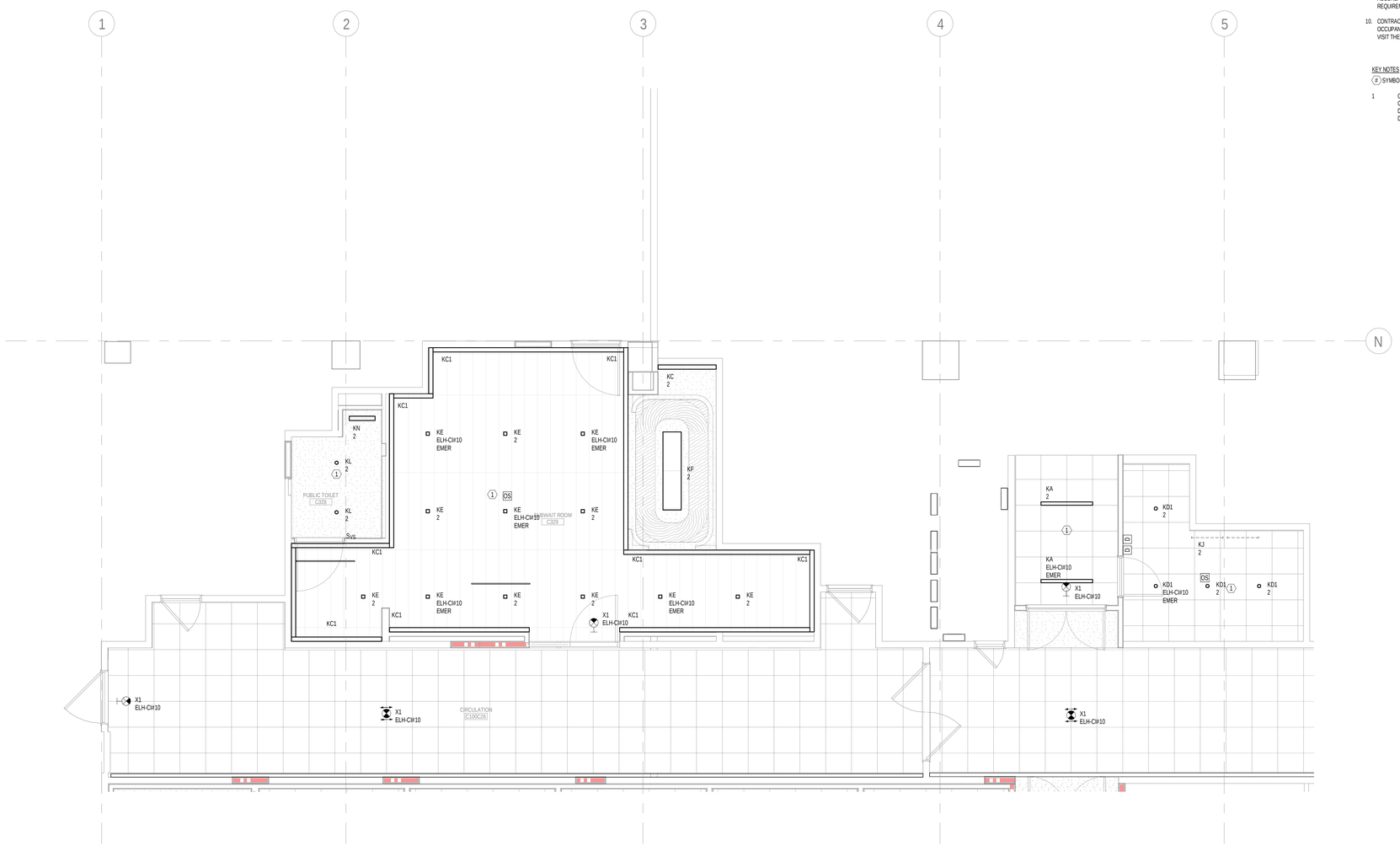
NOTE:

NORMAL POWER LIGHTING CIRCUITING INDICATES GROUPINGS. UTILIZE 277V LIGHTING CIRCUITS RETAINED FROM DEMOLITION. UPDATE PANEL SCHEDULES AS REQUIRED.



1 LEVEL C PHASE 1 - LIGHTING - WAITING ROOM

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

DRAWING NOTES:

1. FOR GENERAL NOTES AND SYMBOLS LIST, SEE DWG. E-000.
2. REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES. COORDINATE LOCATIONS OF DEVICES WITH CASEWORK, FURNITURE, AND EQUIPMENT ELEVATIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
3. ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
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6. LIGHTING CONTROL DEVICES SHALL BE FLUSH WITH FINAL WALL FINISH. PROVIDE BACK BOX EXTENDER ACCESSORY AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR WALL FINISH SPECIFICATIONS.
7. DEVICE BACK BOXES SHALL NOT BE INSTALLED BACK-TO-BACK. PROVIDE 6 INCH MINIMUM SEPARATION BETWEEN BACK BOXES.
8. ALL OCCUPANCY/VACANCY SENSORS NOT CONNECTED TO LIGHTING CONTROL PANEL, SHALL BE PROVIDED WITH POWER PACK(S). COORDINATE WITH VENDOR FOR WIRING REQUIREMENT. SENSORS SHALL BE SET TO AUTOMATICALLY SHUT LIGHTS OFF AT NO MORE THAN 15 MINUTES UPON SENSING NO OCCUPANT IN THE ROOM SPACE.
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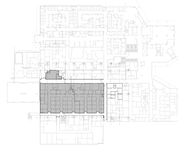
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE WIRING/PROGRAMING OF THE OCCUPANCY/VACANCY SENSOR. MANUFACTURER'S FIELD TECHNICAL REPRESENTATIVE TO VISIT THE SITE AND SUPERVISE FINAL SENSOR ADJUSTMENT AS REQUIRED.

KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 CONNECT ALL LIGHT FIXTURES DESIGNATED AS NORMAL TO THE NORMAL POWER CIRCUIT RETAINED FROM DEMOLITION PHASE. CONNECT ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY TO THE LIFE SAFETY CIRCUIT RETAINED FROM DEMOLITION. UPDATE ALL PANEL SCHEDULES AS REQUIRED.

KEY PLAN



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09.22.2023	ISSUE FOR BID

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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

ELECTRICAL FLOOR PLAN 1A

LEVEL C PHASE 1 - LIGHTING - WAITING ROOM

Scale

1/4" = 1'-0"

E-101.1A

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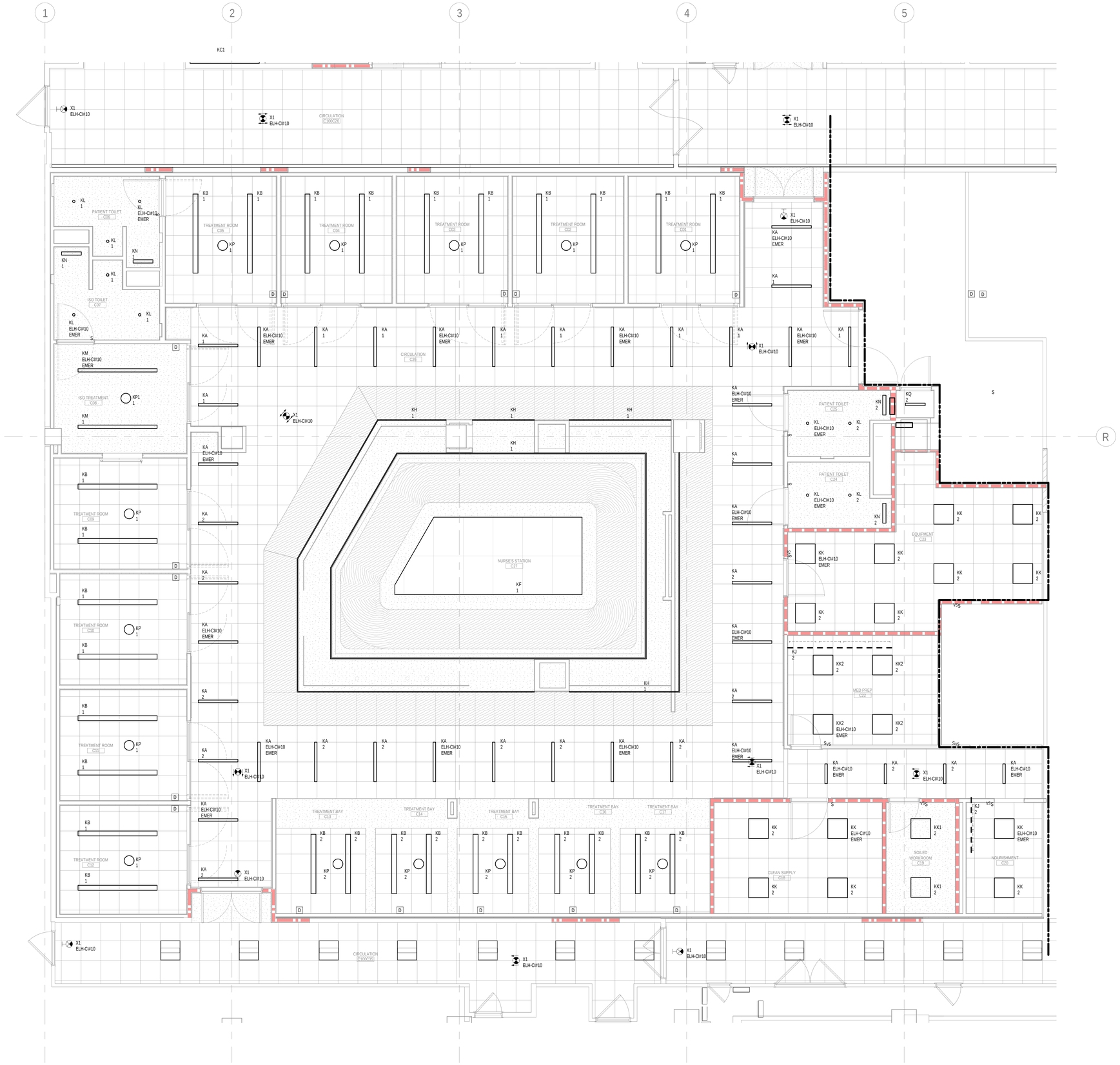

1 LEVEL C PHASE 1 - LIGHTING - EMERGENCY DEPARTMENT

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

DRAWING NOTES:

1. FOR GENERAL NOTES AND SYMBOLS LIST, SEE DWG. E-000.
2. REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES. COORDINATE LOCATIONS OF DEVICES WITH CASEWORK, FURNITURE, AND EQUIPMENT ELEVATIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
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KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

NOTE:

NORMAL POWER LIGHTING CIRCUITING INDICATES GROUPINGS. UTILIZE 277V LIGHTING CIRCUITS RETAINED FROM DEMOLITION. UPDATE PANEL SCHEDULES AS REQUIRED.

KEY PLAN

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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

ELECTRICAL FLOOR PLAN 1B

LEVEL C PHASE 1 - LIGHTING - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

E-101.1B

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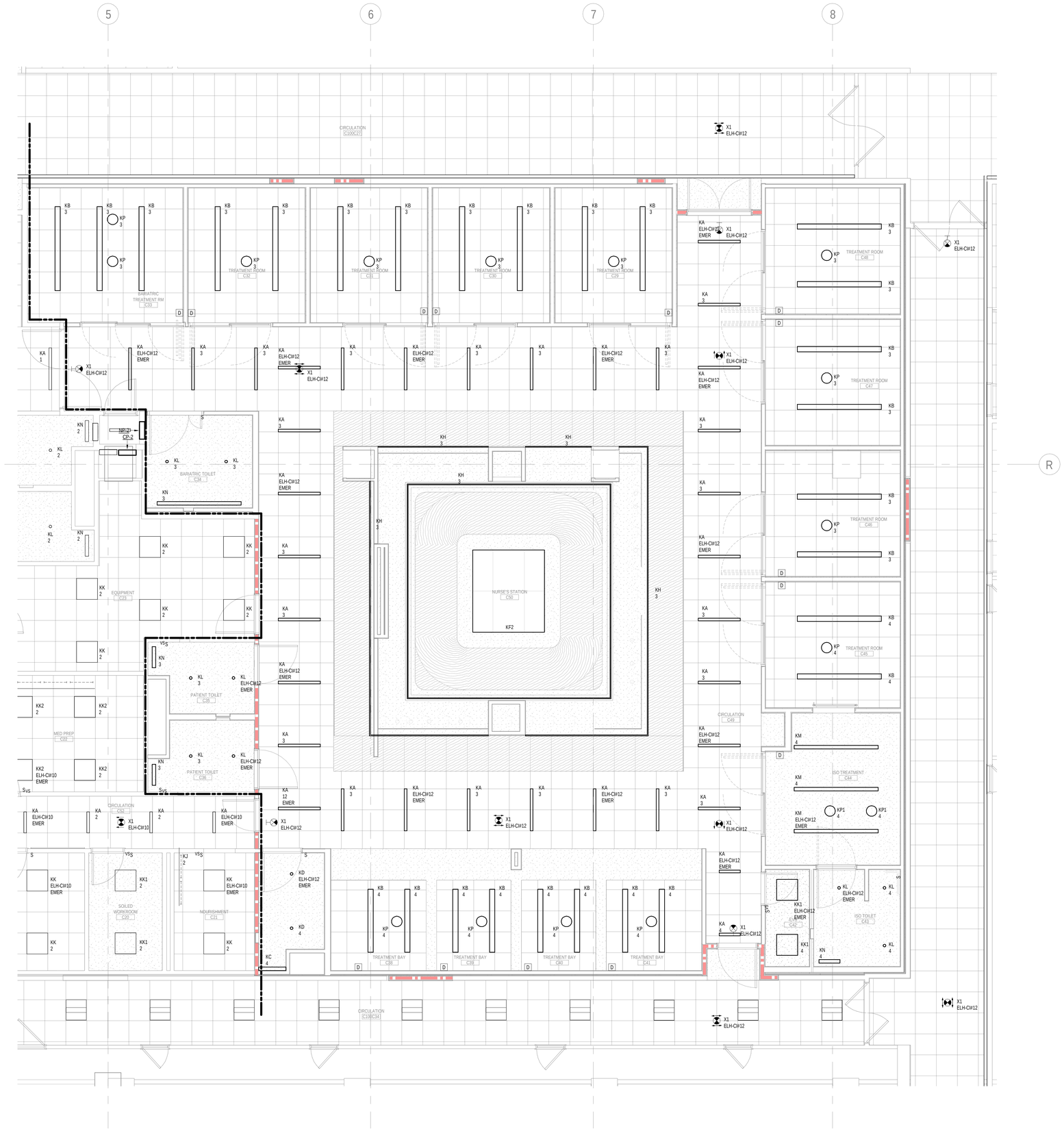

1 LEVEL C PHASE 2 - LIGHTING - EMERGENCY DEPARTMENT

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

DRAWING NOTES:

1. FOR GENERAL NOTES AND SYMBOLS LIST, SEE DWG. E-000.
2. REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES. COORDINATE LOCATIONS OF DEVICES WITH CASEWORK, FURNITURE, AND EQUIPMENT ELEVATIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
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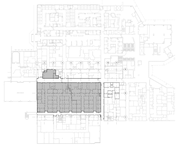
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

NOTE:

NORMAL POWER LIGHTING CIRCUITING INDICATES GROUPINGS. UTILIZE 277V LIGHTING CIRCUITS RETAINED FROM DEMOLITION. UPDATE PANEL SCHEDULES AS REQUIRED.

KEY PLAN



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Date	Description
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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

ELECTRICAL FLOOR PLAN 2
LEVEL C PHASE 2 - LIGHTING - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

E-101.2

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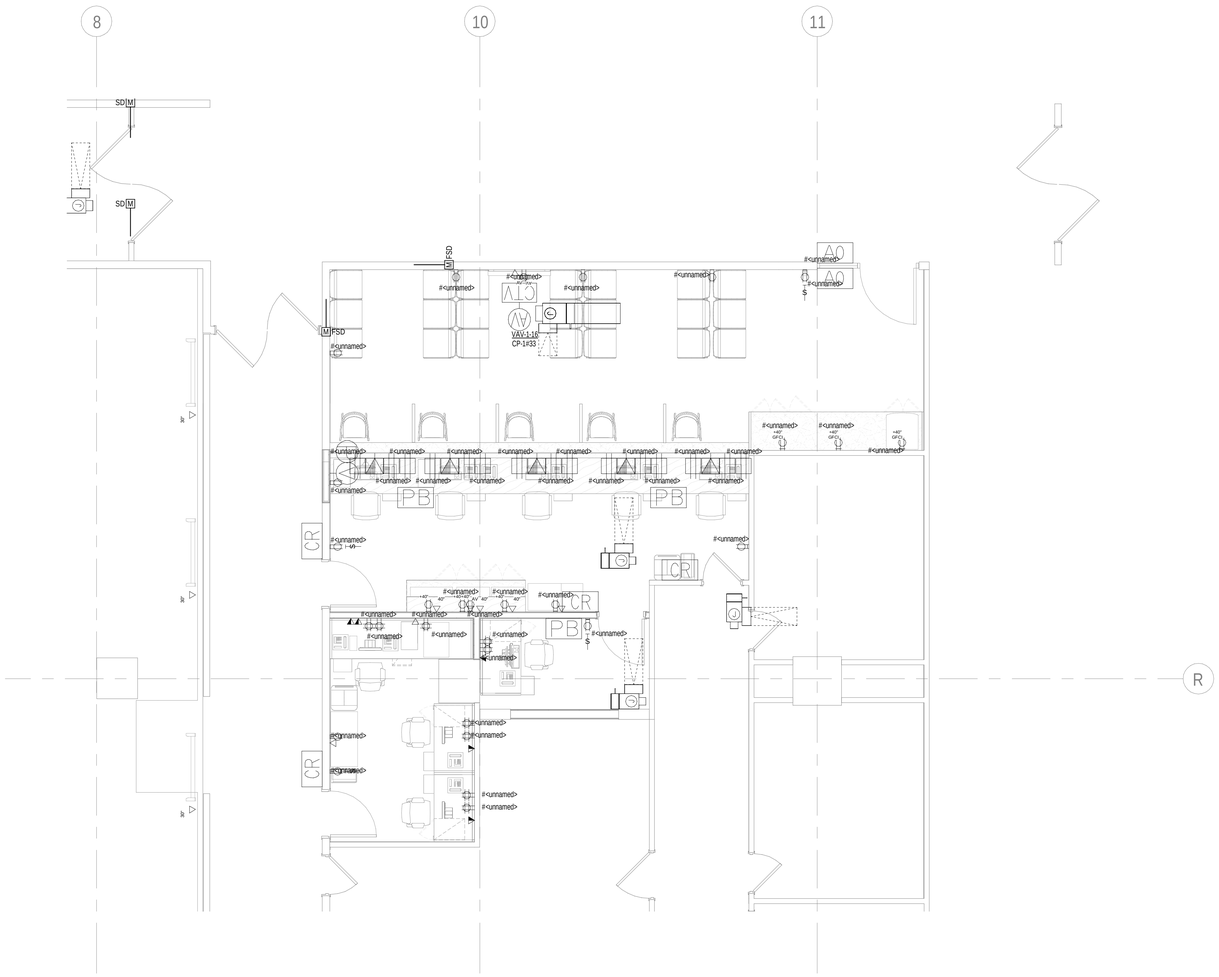
KEY NOTES

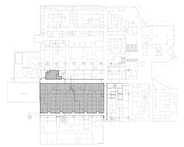
(#) SYMBOL DENOTES KEY NOTE



1 LEVEL C PHASE 1 - POWER & DATA - RADIOLOGY

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

KEY PLAN



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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

ELECTRICAL FLOOR PLAN 0

LEVEL C PHASE 1 - POWER & DATA - RADIOLOGY

Scale

1/4" = 1'-0"

E-201.0

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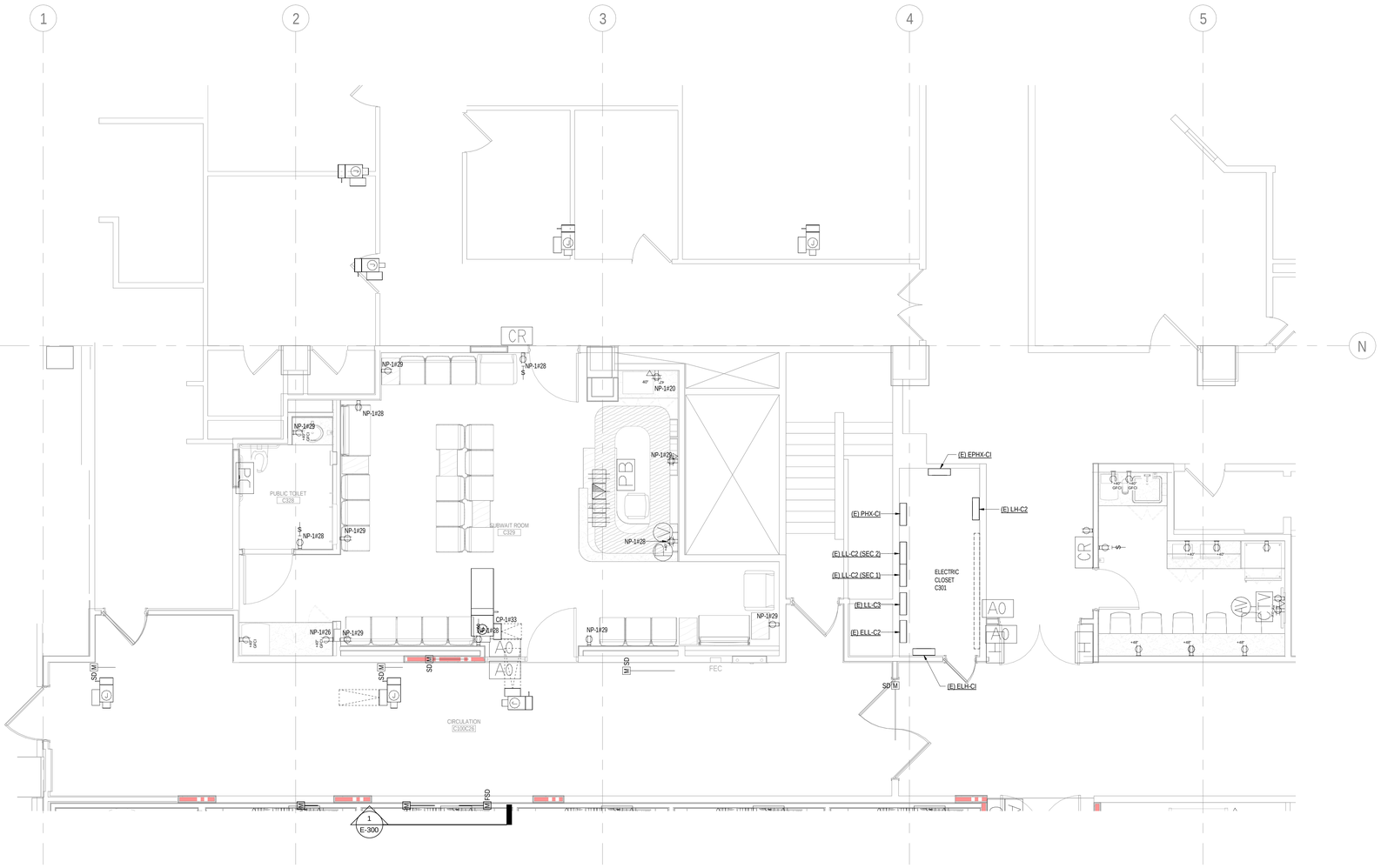
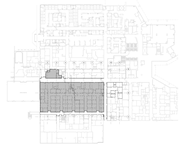
KEY NOTES
(#) SYMBOL DENOTES KEY NOTE



1 LEVEL C PHASE 1 - POWER & DATA - WAITING ROOM
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
ELECTRICAL FLOOR PLAN 1A
LEVEL C PHASE 1 - POWER & DATA - WAITING ROOM

Scale
1/4" = 1'-0"

E-201.1A

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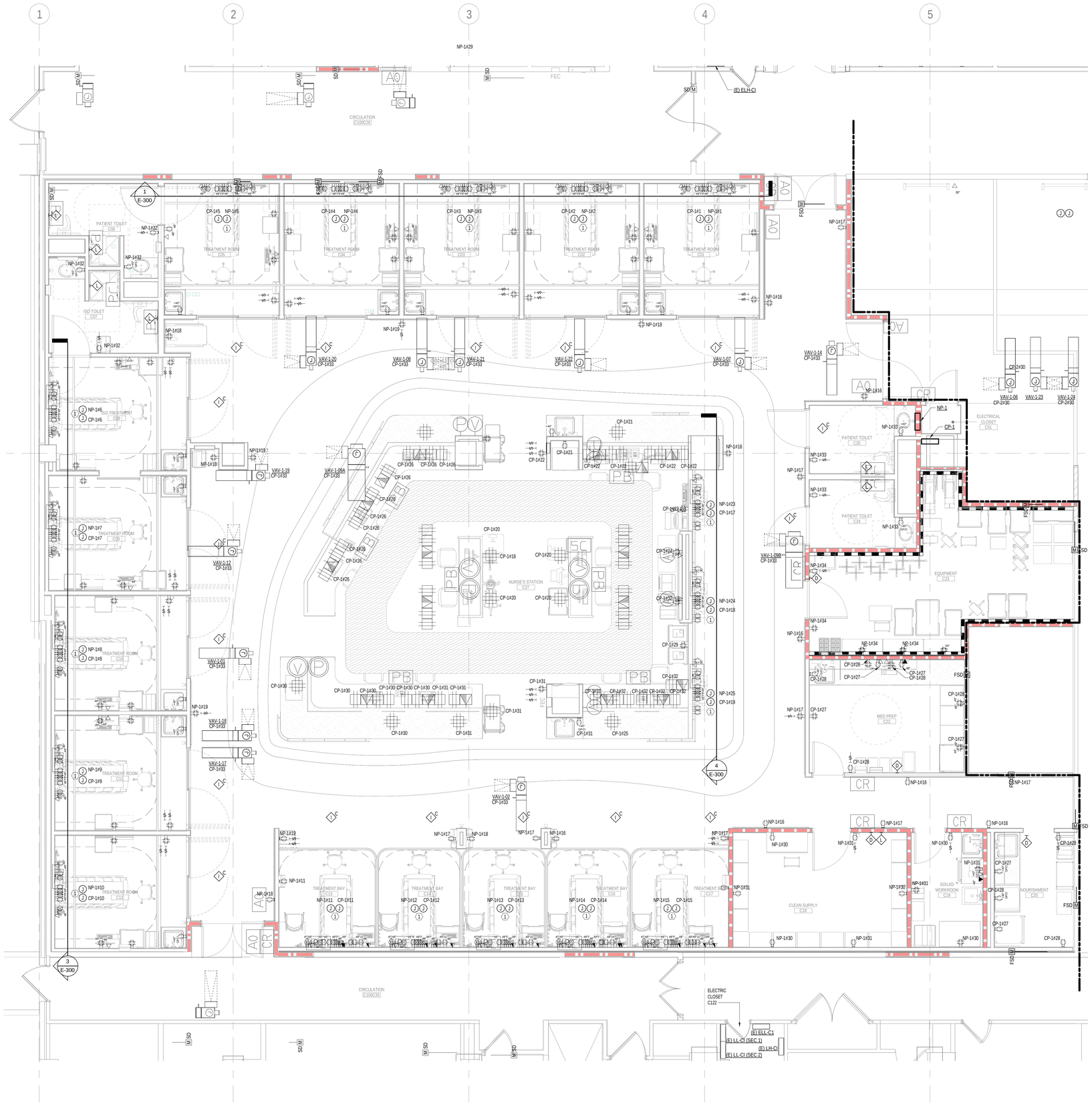
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 INDICATED CIRCUITS ARE FOR RECEPTACLES IN PATIENT ROOM. SEE DRAWING E-300 FOR SPECIFIC RECEPTACLE CIRCUITING ASSIGNMENTS FOR PATIENT BED HEADWALL. ALL RECEPTACLES NOT ON PATIENT BED HEADWALL SHALL BE FED FROM INDICATED NORMAL POWER PANEL.



1 LEVEL C PHASE 1 - POWER & DATA - EMERGENCY DEPARTMENT

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

KEY PLAN

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Project Number

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Description

ELECTRICAL FLOOR PLAN 1B

LEVEL C PHASE 1 - POWER & DATA - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

E-201.1B

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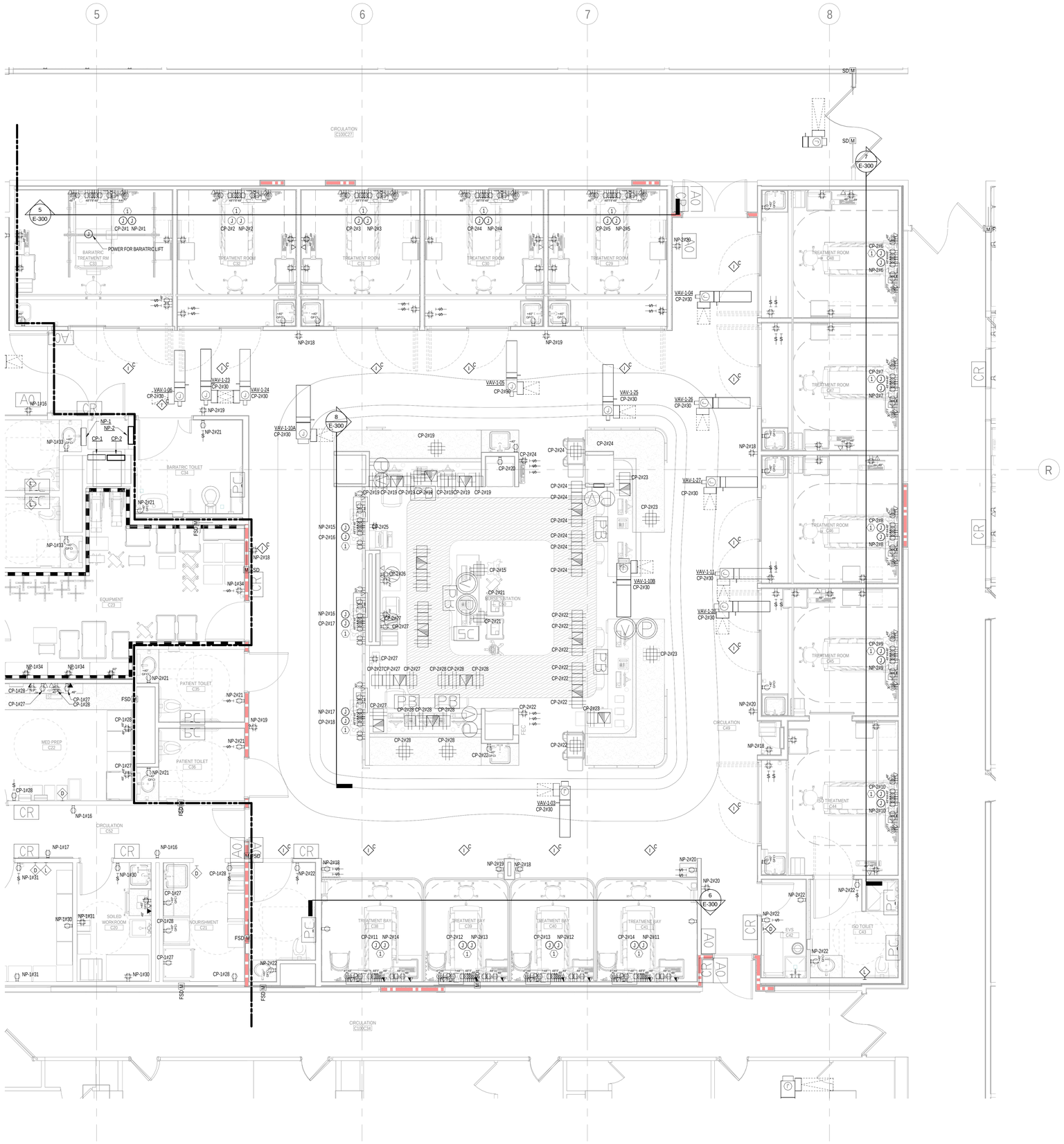
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

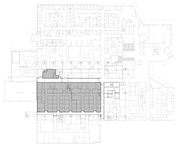
1 INDICATED CIRCUITS ARE FOR RECEPTACLES IN PATIENT ROOM. SEE DRAWING E-300 FOR SPECIFIC RECEPTACLE CIRCUITING ASSIGNMENTS FOR PATIENT BED HEADWALL. ALL RECEPTACLES NOT ON PATIENT BED HEADWALL SHALL BE FED FROM INDICATED NORMAL POWER PANEL.



1 LEVEL C PHASE 2 - POWER & DATA - EMERGENCY DEPARTMENT

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

KEY PLAN



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EMERGENCY DEPARTMENT EXPANSION

Project Number

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Description

ELECTRICAL FLOOR PLAN 2

LEVEL C PHASE 2 - POWER & DATA - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

E-201.2

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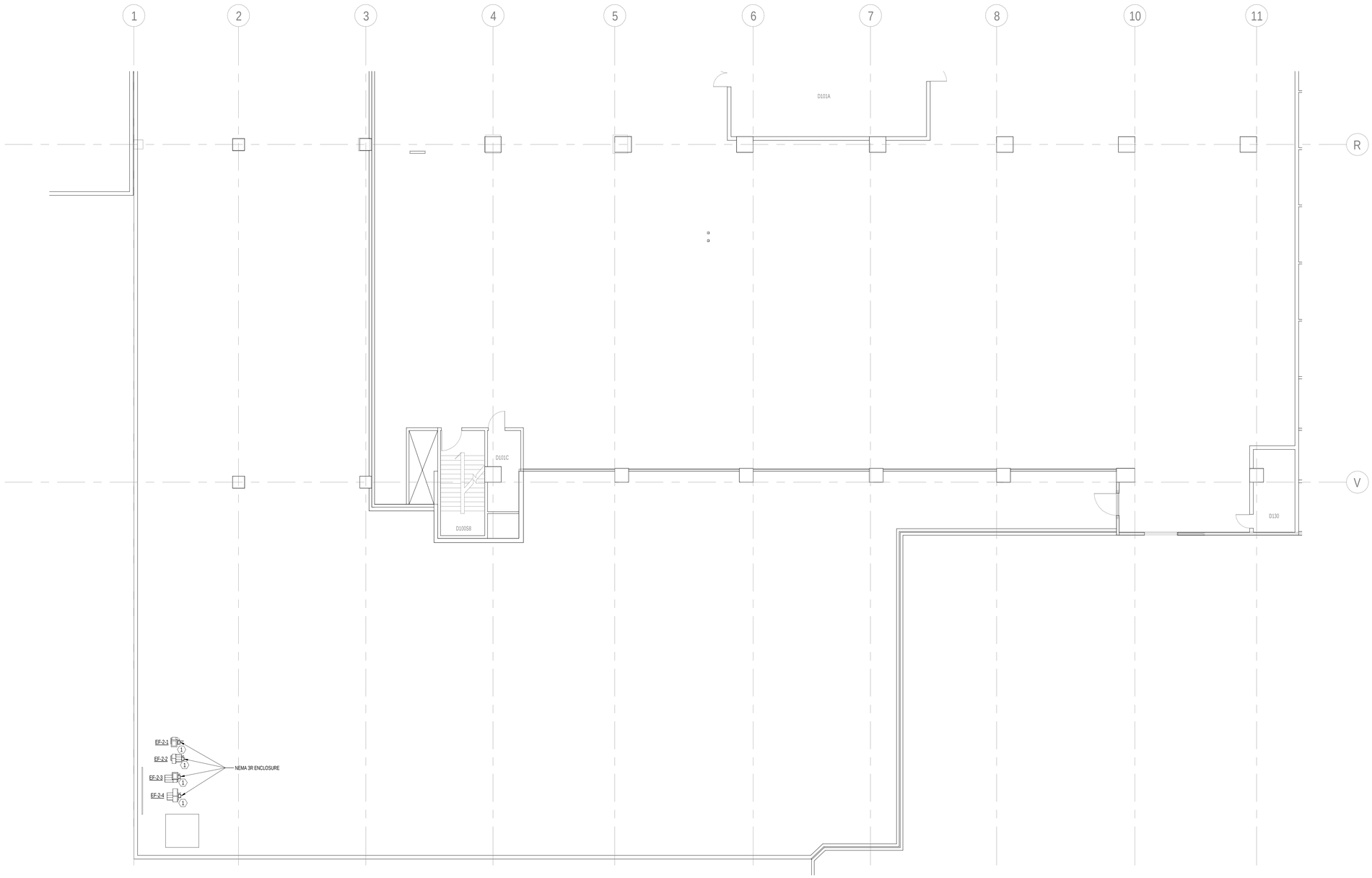
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 SEE SINGLE DIAGRAM FOR DISCONNECT SIZE AND CIRCUITING INFORMATION.



1 LEVEL D PHASE 1 - POWER & DATA - EAST

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

KEY PLAN

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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

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Description

ELECTRICAL FLOOR PLAN

LEVEL D PHASE 1 - POWER & DATA - EAST

Scale

1/8" = 1'-0"

E-210E

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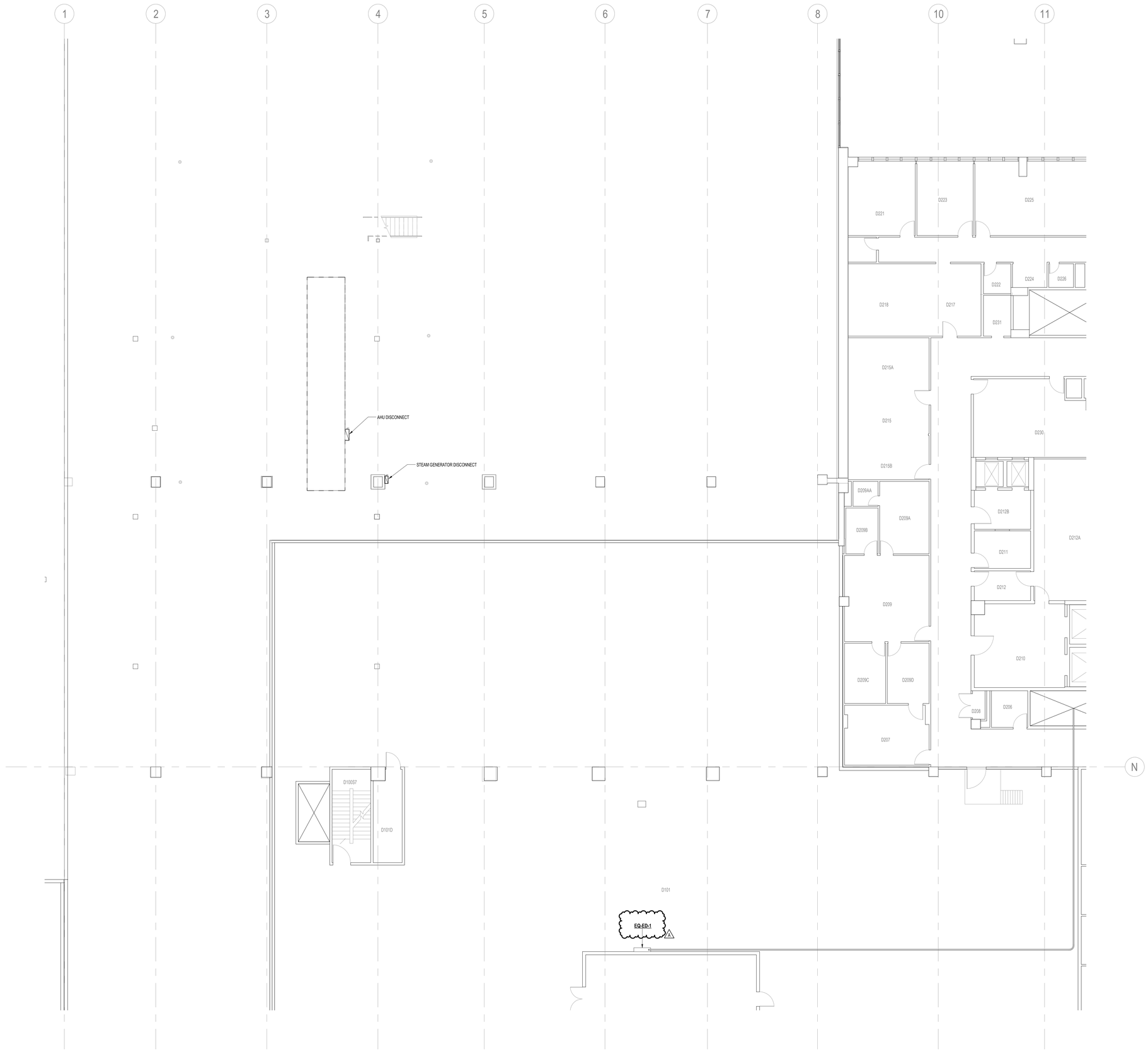
KEY NOTES
(#) SYMBOL DENOTES KEY NOTE



1 LEVEL D PHASE 1 - POWER & DATA - WEST
SCALE: 1/8" = 1'-0"

KEY PLAN

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EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
ELECTRICAL FLOOR PLAN
LEVEL D PHASE 1 - POWER & DATA - WEST

Scale
1/8" = 1'-0"

E-210W

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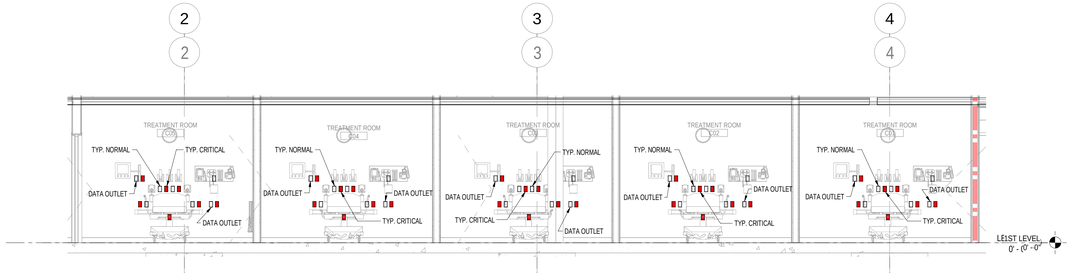
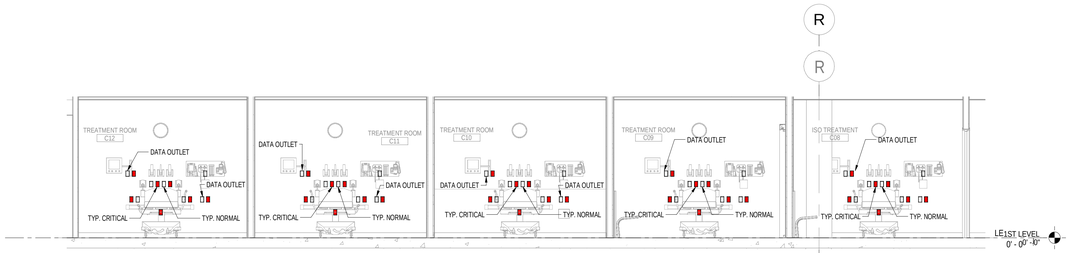
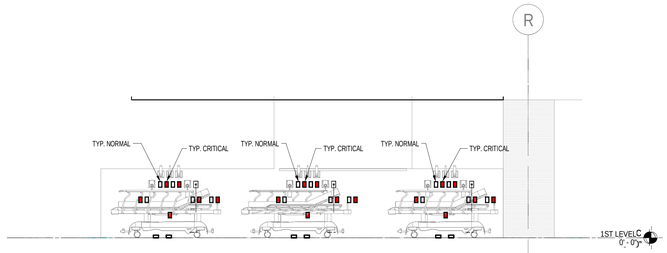


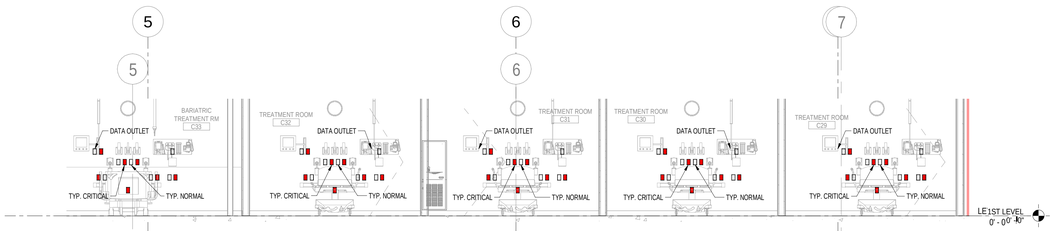
1 PHASE 1 NORTH PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"



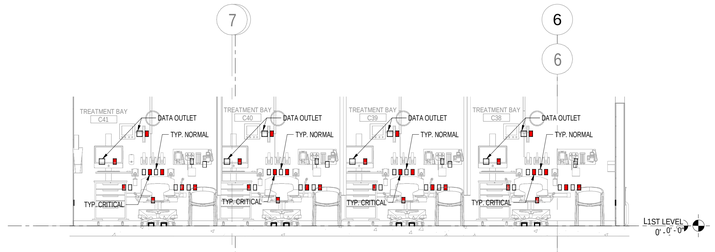
3 PHASE 1 WEST PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"



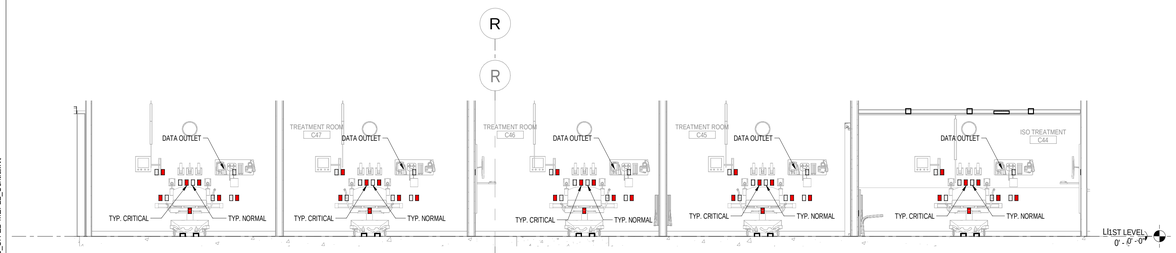
4 PHASE 1 HALLWAY PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"



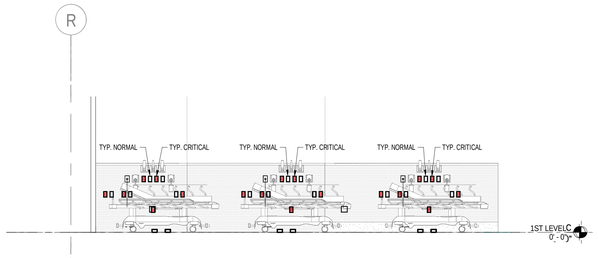
5 PHASE 2 NORTH PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"



6 PHASE 2 SOUTH PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"



7 PHASE 2 WEST PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"



8 PHASE 2 HALLWAY PATIENT BED HEAD WALLS
SCALE: 1/4" = 1'-0"

DRAWING NOTES:

1. REFER TO DRAWINGS E-200A AND E-200B FOR SPECIFIC CIRCUITING INFORMATION

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
ELECTRICAL HEADWALL ELEVATIONS

Scale
1/4" = 1'-0"

E-300

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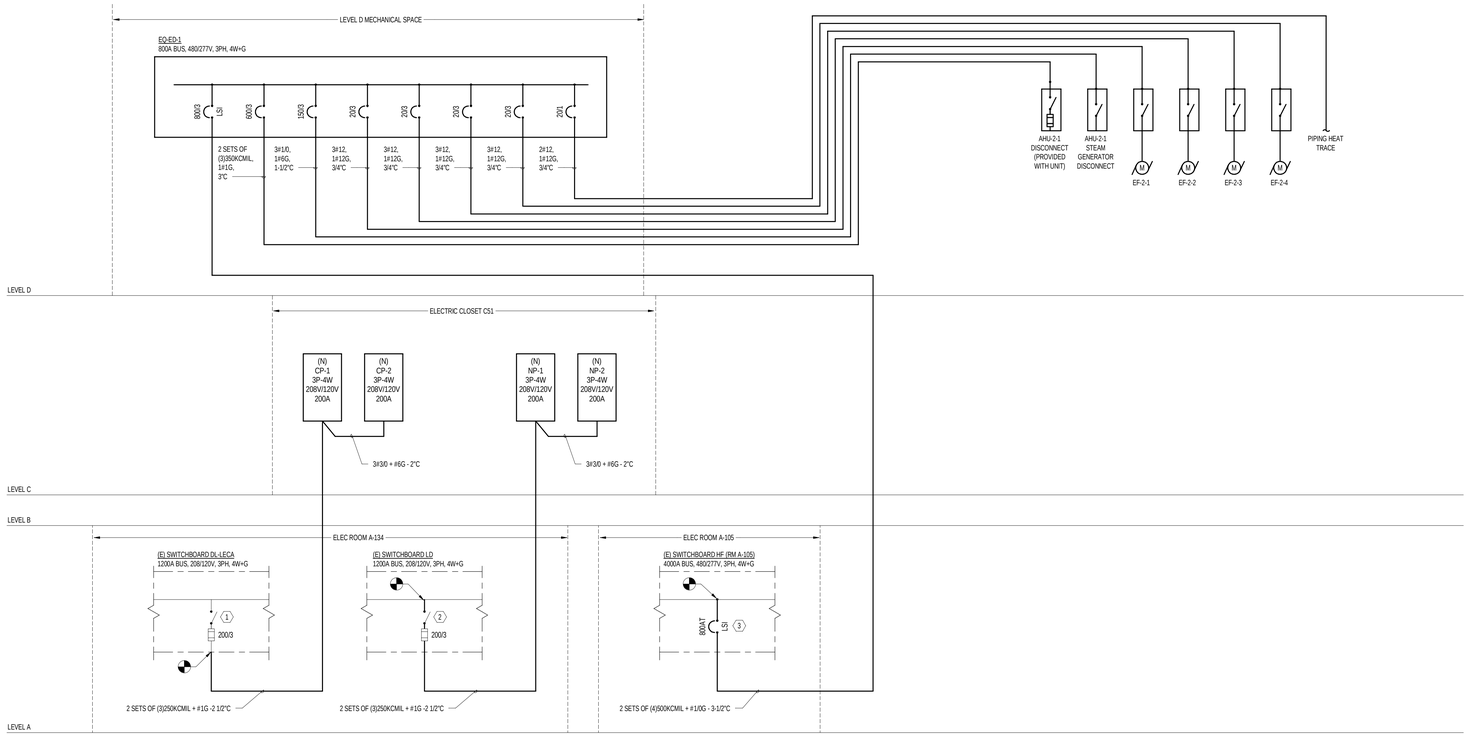

1 ELECTRICAL RISER DIAGRAM
SCALE: NONE

KEY NOTES
(#) SYMBOL DENOTES KEY NOTE

1. UTILIZE EXISTING FUSED DISCONNECT. PROVIDE (3) NEW FUSES WITH RATINGS AS INDICATED.
2. UTILIZE EXISTING SPACE IN SWITCHGEAR. PROVIDE NEW FUSED DISCONNECT AND (3) NEW FUSES WITH RATINGS AS INDICATED.
3. PROVIDE NEW LSI ADJUSTABLE TRIP CIRCUIT BREAKER IN EXISTING SPACE IN PANEL. NEW BREAKER SHALL MATCH EXISTING IN PANEL IN MAKE, MODEL AND AIC RATING.

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EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
ELECTRICAL DIAGRAM

Scale
NTS

E-400

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PANEL: NP-1

LOCATION: ELECTRICAL CLOSET C51 | VOLTS (V): 120/208 Wye | A.I.C. RATING: | NEUTRAL: 100%
FED FROM: | PHASES: 3 | MAINS TYPE: MLO | BUSSING (CU/AL): CU
FEEDER SIZE: | WIRES: 4 | MAINS RATING: 225 A | GROUND BUS: Yes
ENCLOSURE: NEMA 1 | MOUNTING: SURFACE | MCB RATING / POLES: 200A / 3P | FEED (TOP/ BOTTOM):

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEPT TREATMENT ROOM-1 C01-1	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM-1 C02-1	2
3	RECEPT TREATMENT ROOM-1 C03-1	20	1			1260	1260			1	20	RECEPT TREATMENT ROOM-1 C04-1	4
5	RECEPT TREATMENT ROOM-1 C05-1	20	1					1260	1260	1	20	RECEPT ISO TREATMENT-1 C08-1	6
7	RECEPT TREATMENT ROOM-1 C09-1	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM-1 C10-1	8
9	RECEPT TREATMENT ROOM-1 C11-1	20	1			1260	1260			1	20	RECEPT TREATMENT ROOM-1 C12-1	10
11	RECEPT TREATMENT BAY-1 C13-1	20	1					1440	1260	1	20	RECEPT TREATMENT BAY-1 C14-1	12
13	RECEPT TREATMENT BAY-1 C15-1	20	1	1260	1260					1	20	RECEPT TREATMENT BAY-1 C16-1	14
15	RECEPT TREATMENT BAY-1 C17-1	20	1			1260	1800			1	20	RECEPTACLE CIRCULATION C26	16
17	RECEPTACLE CIRCULATION C26	20	1					1800	1800	1	20	RECEPTACLE CIRCULATION C26	18
19	RECEPTACLE CIRCULATION C26	20	1	1260	662					1	20	PRT-MFC, PRT-WRT WAITING ROOM...	20
21													22
23	RECEPT TREATMENT BAY C38	20	1					1260	1260	1	20	RECEPT TREATMENT BAY C39	24
25	RECEPT TREATMENT BAY C40	20	1	1260	1320					1	20	ICE-C12 WAITING ROOM C329	26
27							1080			1	20	RECEPTACLE WAITING ROOM C329	28
29	RECEPTACLE WAITING ROOM C329	20	1					1440	1260	1	20	RECEPTACLE CLEAN SUPPLY &...	30
31	RECEPTACLE CLEAN SUPPLY &...	20	1	900	720					1	20	RECEPTACLE TOILETS C06 & C07	32
33	RECEPTACLE TOILETS C24 & C25	20	1			720	1440			1	20	RECEPTACLE EQUIPMENT C23	34
35	SPARE	20	1					0	--	1	--	SPACE	36
37	SPARE	20	1	0	--					1	--	SPACE	38
39	SPARE	20	1			0	--			1	--	SPACE	40
41	SPARE	20	1					0	--	1	--	SPACE	42
			TOTAL LOAD:	13682 VA		11340 VA		14040 VA					
			TOTAL AMPS:	117 A		95 A		120 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
RECEPTACLE	39062 VA	62.80%	24531 VA		
				TOTAL CONNECTED LOAD:	39062 VA
				TOTAL ESTIMATED DEMAND:	24531 VA
				TOTAL CONNECTED:	108 A
				TOTAL ESTIMATED DEMAND:	68 A

NOTES:

PANEL: NP-2

LOCATION: ELECTRICAL CLOSET C51 | VOLTS (V): 120/208 Wye | A.I.C. RATING: | NEUTRAL: 100%
FED FROM: | PHASES: 3 | MAINS TYPE: MLO | BUSSING (CU/AL): CU
FEEDER SIZE: | WIRES: 4 | MAINS RATING: 225 A | GROUND BUS: Yes
ENCLOSURE: NEMA 1 | MOUNTING: SURFACE | MCB RATING / POLES: 200A / 3P | FEED (TOP/ BOTTOM):

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEPT BARIATRIC TREATMENT RM...	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM C32	2
3	RECEPT TREATMENT ROOM C31	20	1			1260	1260			1	20	RECEPT TREATMENT ROOM C30	4
5	RECEPT TREATMENT ROOM C29	20	1					1260	1260	1	20	RECEPT TREATMENT ROOM C48	6
7	RECEPT TREATMENT ROOM C47	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM C46	8
9	RECEPT TREATMENT ROOM C45	20	1			1260	1260			1	20	RECEPT ISO TREATMENT C44	10
11	RECEPT TREATMENT BAY C41	20	1					1260	1260	1	20	RECEPT TREATMENT BAY C40	12
13	RECEPT TREATMENT BAY C39	20	1	1260	1260					1	20	RECEPT TREATMENT BAY C38	14
15	RECEPT TREATMENT BAY	20	1			1260	1260			1	20	RECEPT TREATMENT BAY	16
17	RECEPT TREATMENT BAY	20	1					1260	1800	1	20	RECEPTACLE CIRCULATION C49	18
19	RECEPTACLE CIRCULATION C49	20	1	1260	900					1	20	RECEPTACLE CIRCULATION C49	20
21	RECEPTACLE TOILET C34 C45 & C36	20	1			1080	1080			1	20	RECEPTACLE EVS & TOILET C43	22
23													24
25													26
27													28
29													30
31													32
33													34
35	SPACE	--	1					--	0	1	20	SPARE	36
37	SPACE	--	1	--	0					1	20	SPARE	38
39	SPACE	--	1			--	0			1	20	SPARE	40
41	SPACE	--	1					--	0	1	20	SPARE	42
			TOTAL LOAD:	9720 VA		9720 VA		8100 VA					
			TOTAL AMPS:	83 A		83 A		68 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
RECEPTACLE	27540 VA	68.16%	18770 VA		
				TOTAL CONNECTED LOAD:	27540 VA
				TOTAL ESTIMATED DEMAND:	18770 VA
				TOTAL CONNECTED:	76 A
				TOTAL ESTIMATED DEMAND:	52 A

NOTES:

PANEL: CP-1

LOCATION: ELECTRICAL CLOSET C51 | VOLTS (V): 120/208 Wye | A.I.C. RATING: | NEUTRAL: 100%
FED FROM: | PHASES: 3 | MAINS TYPE: MLO | BUSSING (CU/AL): CU
FEEDER SIZE: | WIRES: 4 | MAINS RATING: 225 A | GROUND BUS: Yes
ENCLOSURE: NEMA 1 | MOUNTING: SURFACE | MCB RATING / POLES: 200A / 3P | FEED (TOP/ BOTTOM):

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEPT TREATMENT ROOM-1 C01-1	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM-1 C02-1	2
3	RECEPT TREATMENT ROOM-1 C03-1	20	1			1260	1260			1	20	RECEPT TREATMENT ROOM-1 C04-1	4
5	RECEPT TREATMENT ROOM-1 C05-1	20	1					2340	1260	1	20	RECEPT ISO TREATMENT-1 C08-1	6
7	RECEPT TREATMENT ROOM-1 C09-1	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM-1 C10-1	8
9	RECEPT TREATMENT ROOM-1 C11-1	20	1			1260	1260			1	20	RECEPT TREATMENT ROOM-1 C12-1	10
11	RECEPT TREATMENT BAY-1 C13-1	20	1					1260	1260	1	20	RECEPT TREATMENT BAY-1 C14-1	12
13	RECEPT TREATMENT BAY-1 C15-1	20	1	1260	1260					1	20	RECEPT TREATMENT BAY-1 C16-1	14
15	RECEPT TREATMENT BAY-1 C17-1	20	1			1260	1800			1	20	MON-CNS NURSE'S STATION C27-1	16
17	RECEPT TREATMENT BAY C38	20	1					1260	1260	1	20	RECEPT TREATMENT BAY C39	18
19	RECEPT TREATMENT BAY C40	20	1	1260	1068					1	20	RECEPTACLE NURSE'S STATION-1...	20
21	CAB-W2G NURSE'S STATION C27	20	1			1800	1829			1	20	RECEPTACLE NURSE'S STATION-1...	22
23	IMG-UMP NURSE'S STATION C27	20	1					1320	1800	1	20	COP-FLR NURSE'S STATION C27	24
25	WMR-HYP NURSE'S STATION-1 C27-1	20	1	552	1690					1	20	RECEPTACLE NURSE'S STATION-1...	26
27	RECEPTACLE NOURISHMENT & MED...	20	1			1260	1800			1	20	RECEPTACLE NOURISHMENT & MED...	28
29	ECG NURSE'S STATION C27	20	1					360	1620	1	20	RECEPTACLE NURSE'S STATION-1...	30
31	RECEPTACLE NURSE'S STATION-1...	20	1	1800	1260					1	20	RECEPTACLE NURSE'S STATION-1...	32
33	VAVs CIRCULATION-1 C26-1	20	1			1200							34
35	SPACE	--	1					--	0	1	20	SPARE	36
37	SPACE	--	1	--	0					1	20	SPARE	38
39	SPACE	--	1			--	0			1	20	SPARE	40
41	SPACE	--	1					--	0	1	20	SPARE	42
			TOTAL LOAD:	15190 VA		15989 VA		13740 VA					
			TOTAL AMPS:	128 A		135 A		115 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
POWER	1200 VA	100.00%	1200 VA		
RECEPTACLE	43718 VA	61.44%	26859 VA		
				TOTAL CONNECTED LOAD:	44918 VA
				TOTAL ESTIMATED DEMAND:	28059 VA
				TOTAL CONNECTED:	125 A
				TOTAL ESTIMATED DEMAND:	78 A

NOTES:

PANEL: CP-2

LOCATION: ELECTRICAL CLOSET C51 | VOLTS (V): 120/208 Wye | A.I.C. RATING: | NEUTRAL: 100%
FED FROM: | PHASES: 3 | MAINS TYPE: MLO | BUSSING (CU/AL): CU
FEEDER SIZE: | WIRES: 4 | MAINS RATING: 225 A | GROUND BUS: Yes
ENCLOSURE: NEMA 1 | MOUNTING: SURFACE | MCB RATING / POLES: 200A / 3P | FEED (TOP/ BOTTOM):

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEPT BARIATRIC TREATMENT RM...	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM C32	2
3	RECEPT TREATMENT ROOM C31	20	1			1260	1260			1	20	RECEPT TREATMENT ROOM C30	4
5	RECEPT TREATMENT ROOM C29	20	1					1260	1260	1	20	RECEPT TREATMENT ROOM C48	6
7	RECEPT TREATMENT ROOM C47	20	1	1260	1260					1	20	RECEPT TREATMENT ROOM C46	8
9	RECEPT TREATMENT ROOM C45	20	1			1260	1260			1	20	RECEPT ISO TREATMENT C44	10
11	RECEPT TREATMENT BAY C38	20	1					1260	1260	1	20	RECEPT TREATMENT BAY C39	12
13	RECEPT TREATMENT BAY C40	20	1	1260	1260					1	20	RECEPT TREATMENT BAY C41	14
15	MON-CNS NURSE'S STATION C50	20	1			1800	1260			1	20	RECEPT TREATMENT BAY	16
17	RECEPT TREATMENT BAY	20	1					1260	1260	1	20	RECEPT TREATMENT BAY	18
19	PRT-LBL NURSE'S STATION C50	20	1	1690	1440					1	20	CAB-W2G NURSE'S STATION C50	20
21	RECEPTACLE NURSE'S STATION C50	20	1			540	1870			1	20	WMR-HYP NURSE'S STATION C50	22
23	RECEPTACLE NURSE'S STATION C50	20	1					1272	1632	1	20	RECEPTACLE NURSE'S STATION C50	24
25	IMG-UMP NURSE'S STATION C50	20	1	1320	1800					1	20	COP-FLR NURSE'S STATION C50	26
27	RECEPTACLE	20	1			1800	1800			1	20	RECEPTACLE NURSE'S STATION C50	28
29	BARIATRIC LIFT	20	1					1260	975	1	20	VAVs CIRCULATION	30
31													32
33													34
35	SPACE	--	1					--	0	1	20	SPARE	36
37	SPACE	--	1	--	0					1	20	SPARE	38
39	SPACE	--	1			--	0			1	20	SPARE	40
41	SPACE	--	1					--	0	1	20	SPARE	42
			TOTAL LOAD:	13810 VA		14110 VA		12699 VA					
			TOTAL AMPS:	117 A		119 A		106 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
POWER	975 VA	100.00%	975 VA		
RECEPTACLE	39643 VA	62.61%	24822 VA		
				TOTAL CONNECTED LOAD:	40618 VA
				TOTAL ESTIMATED DEMAND:	25797 VA
				TOTAL CONNECTED:	113 A
				TOTAL ESTIMATED DEMAND:	72 A

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△ Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL SCHEDULES

Scale

E-500

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PANEL: (E) LL-C3

LOCATION:	VOLTS (V): 120/208 Wye	A.I.C. RATING: 10KA	NEUTRAL: 100%
FED FROM:	PHASES: 3	MAINS TYPE: MCB	BUSSING (CU/AL): CU
FEEDER SIZE: EXISTING	WIRES: 4	MAINS RATING: 200 A	GROUND BUS: Yes
ENCLOSURE: NEMA 1	MOUNTING: SURFACE	MCB RATING / POLES: 200A / 3P	FEED (TOP/ BOTTOM): TOP

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	(E) RM 306B	50	2	0	0					1	20	(E) RM 313	2
3						0	0			1	20	(E) RM 306, 309 HAND DRYER	4
5	(E) RM 313	20	1					0	0	2	50	(E) RM 314 FM OUTLET	6
7	(E) RM 307 / 308 HAND DRYER	20	1	0	0								8
9	(E) FM OUTLET	20	1			0	0			2	50	(E) FM OUTLET RM 138A RM 132 RECEPT.	10
11	(E) RM 134 RECEPT. IN HALL	20	1					0	0				12
13	(E) FM OUTLET IN HALL	20	1	0	0					1	20	(E) RM RM 132 RECEPT.	14
15	(E) FM OUTLET IN HALL	20	2			0	0			1	20	(E) RM 136	16
17								0	0	1	20	(E) RM138 COPIER RECEPT.	18
19	(E) RM 335A	20	1	0	0					1	20	(E) RM 301 UNDER LH C2	20
21	(E) RM 335A	20	1			0	0			1	20	(E) MEHL ELEC. DISCONNECT.	22
23	(E) RM 335A	20	1					0	0	1	20	(E) MEHL ELEC. DISCONNECT.	24
25	(E) RM 329	20	1	0	0					1	20	(E) RM 339 RECEPT.	26
27	(E) RM 324, 329, 335 RECEPT.	20	1			0	0			1	20	(E) RM 133 RECEPT.	28
29	(E) RM 329 RECEPT.	20	1					0	0	1	20	(E) RM 384	30
31	(E) RM 329 RECEPT.	20	1	0	0					1	20	(E) RM 320 RECEPT.	32
33	(E) RM 320, 335 RECEPT.	20	1			0	0			1	20	(E) RM 335 RECEP.	34
35	(E) RM 329	20	1					0	0	1	20	(E) RM 329 TV RECEP	36
		TOTAL LOAD:		0 VA		0 VA		0 VA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED:	0 A
				TOTAL ESTIMATED DEMAND:	0 A

NOTES:

PANEL: (E) LL-C5

LOCATION:	VOLTS (V): 120/208 Wye	A.I.C. RATING: 10KA	NEUTRAL: 100%
FED FROM:	PHASES: 3	MAINS TYPE: 200A	BUSSING (CU/AL): CU
FEEDER SIZE: EXISTING	WIRES: 4	MAINS RATING: 200 A	GROUND BUS: Yes
ENCLOSURE: NEMA 1	MOUNTING: SURFACE	MCB RATING / POLES: / 3P	FEED (TOP/ BOTTOM): TOP

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	(E) IST C475 FM OUTLET TIMECLOCK @ C118	30	2	0	0					1	20	(E) IST C475	2
3						0	0			1	20	(E) FM OUTLET	4
5	(E) FM OUTLET	20	1					0	0	2	20	(E) FM OUTLET	6
7	(E) FM OUTLET	20	1	0	0								8
9	(E) FM OUTLET	20	2			0	0			2	20	(E) FM OUTLET	10
11								0	0				12
13	(E) EXAM 168	20	2	0	0					1	20	(E) WORK RM 17	14
15						0	0			1	20	(E) EXAM 178,184	16
17	(E) EXAM 174	20	1					0	0	1	20	(E) EXAM 179,184	18
19	(E) DRINK FTN.	20	1	0	0					1	20	(E) SOILED UTIL. 186, 187	20
21	(E) CONS 180,183	20	1			0	0			1	20	(E) EXAM 187,188	22
23	(E) EXAM 181	20	1					0	0	1	20	(E) CONS & EXAM 189	24
25	(E) EXAM 182, 183	20	1	0	0					1	20	(E) UNO CARE U-7, 2-SMALL ROOMS	26
27	(E) SPARE	20	1			0	0			1	20	(E) UNIT 7 COPIER	28
29	(E) C109 BLOOD BANK LOCKED	30	2					0	0	1	20	(E) ACD U-7	30
31				0	0					1	20	(E) C110	32
33	(E) RM #6 HALL WAY	20	1			0	0			1	20	(E) C110	34
35	(E) SUB PANEL TO D-LEVEL, MECH. IST. CLOSET	20	3	0	0			0	0	3	20	(E) X-RAY 140	36
37													38
39						0	0						40
41													42
		TOTAL LOAD:		0 VA		0 VA		0 VA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED:	0 A
				TOTAL ESTIMATED DEMAND:	0 A

NOTES:

PANEL: (E) LL-CI (SEC 1)

LOCATION:	VOLTS (V): 120/208 Wye	A.I.C. RATING:	NEUTRAL: 100%
FED FROM:	PHASES: 3	MAINS TYPE: MLO	BUSSING (CU/AL): CU
FEEDER SIZE:	WIRES: 4	MAINS RATING: 225 A	GROUND BUS: Yes
ENCLOSURE: NEMA 1	MOUNTING: SURFACE	MCB RATING / POLES: 0A / 3P	FEED (TOP/ BOTTOM):

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	SPARE	20	1	0	0					1	20	SPARE	2
3	SPARE	20	1			0	0			1	20	(E) COMP. RECPT. RM C118	4
5	SPARE	20	1					0	0	1	20	(E) COMP. RECPT. RM C118	6
7	SPACE	--	1	--	--					1	--	SPACE	8
9	SPACE	--	1			--	--			1	--	SPACE	10
11	SPACE	--	1					--	--	1	--	SPACE	12
13													14
15													16
17	SPARE	20	1					0	0	1	20	SPARE	18
19	SPARE	20	1	0	0					2	30	SPARE	20
21	(E) C-123	20	1			0	0						22
23	SPARE	20	1					0	0	1	20	SPARE	24
25	(E) C105-108-109-C113-113A-115-117	20	1	0	0					1	20	SPARE	26
27	SPARE	20	1			0	0			1	20	(E) C-104-104A-107	28
29	SPARE	20	1					0	0	1	20	(E) C-105-102	30
31	SPARE	20	1	0	0					1	20	SPARE	32
33	(E) C-105	20	1			0	0			1	20	SPARE	34
35	SPARE	20	1					0	0	1	20	SPARE	36
37	SPARE	20	1	0	0					1	20	(E) C-104-129	38
39	SPARE	30	2			0	0			2	30	SPARE	40
41								0	0				42
43	(E) C119 B BLOOD MASHAS	30	2	0	0					1	20	SPARE	44
45						0	0			2	20	SPARE	46
47	(E) C119 B BLOOD MASHAS	30	2					0	0				48
49				0	0					1	20	(E) COMP. RECEPT. RM C126	50
51	SPARE	20	1			0	0			1	20	(E) COMP. RECEPT. RM C126	52
53													54
		TOTAL LOAD:		0 VA		0 VA		0 VA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED:	0 A
				TOTAL ESTIMATED DEMAND:	0 A

NOTES:

PANEL: (E) LL-CI (SEC 2)

LOCATION:	VOLTS (V): 120/208 Wye	A.I.C. RATING: 10KA	NEUTRAL: 100%
FED FROM: LL-CI	PHASES: 3	MAINS TYPE: MCB	BUSSING (CU/AL): CU
FEEDER SIZE: EXISTING	WIRES: 4	MAINS RATING: 200 A	GROUND BUS: Yes
ENCLOSURE: NEMA 1	MOUNTING: SURFACE	MCB RATING / POLES: 200A / 3P	FEED (TOP/ BOTTOM): TOP

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
55	(E) ACTIVE	50	2	0	0					1	20	(E) ACTIVE	56
57						0	0			1	20	(E) ACTIVE	58
59	(E) ACTIVE	--	1					--	0	1	20	(E) ACTIVE	60
61	(E) ACTIVE	20	1	0	0					1	20	(E) ACTIVE	62
63	(E) ACTIVE	20	1			0	0			1	20	(E) ACTIVE	64
65	(E) ACTIVE	20	1					0	0	1	20	(E) ACTIVE	66
67	(E) ACTIVE	20	1	0	0					1	20	(E) ACTIVE	68
69	(E) ACTIVE	20	1			0	0			1	20	(E) ACTIVE	70
71	(E) ACTIVE	20	1					0	0	1	20	(E) DOOR	72
		TOTAL LOAD:		0 VA		0 VA		0 VA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED:	0 A
				TOTAL ESTIMATED DEMAND:	0 A

NOTES:

PANEL: (E) PHX-CI

LOCATION:	VOLTS (V): 480/277 Wye	A.I.C. RATING: 14KA	NEUTRAL: 100%
FED FROM:	PHASES: 3	MAINS TYPE: MCB	BUSSING (CU/AL): CU
FEEDER SIZE: EXISTING	WIRES: 4	MAINS RATING: 600 A	GROUND BUS: Yes
ENCLOSURE: NEMA 1	MOUNTING: SURFACE	MCB RATING / POLES: 600A / 3P	FEED (TOP/ BOTTOM): TOP

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				0	0								2
3	(E) RADIOGRAPHY 311, 312	125	3			0	0			3	100	(E) RADIOGRAPHY	4
5								0	0				6
7				0	0								8
9	(E) RADIOGRAPHY 313, 314	400	3			0	0			3	400	(E) RADIOGRAPHY	10
11								0	0				12
13				0	0								14
15	(E) RADIOGRAPHY 310	400	3			0	0			3	400	(E) RFLOUROCOPY 304	16
17								0	0				18
19				0	0								20
21	(E) C-307	400	3			0	0			3	400	(E) RM 306	22
23								0	0				24
25				0	0								26
27	(E) SPARE	400	3			0	0			3	400	(E) SPARE	28
29								0	0				30
		TOTAL LOAD:		0 VA		0 VA		0 VA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED:	0 A
				TOTAL ESTIMATED DEMAND:	0 A

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△ Date	Description
08.25.2023	DCA SUBMISSION
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Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

ELECTRICAL SCHEDULES

Scale

E-501

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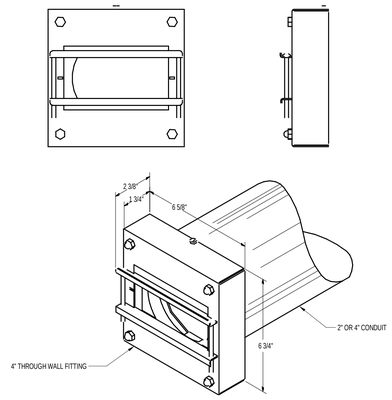


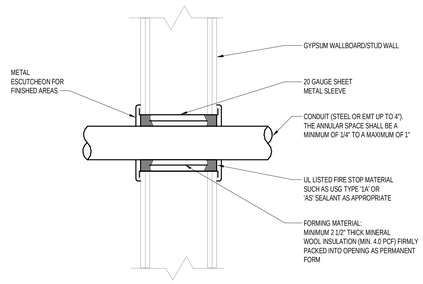
NOTES:

1. CONTRACTOR TO PROVIDE FITTING ON EACH END OF CONDUIT(S). FOR 4" CONDUITS UTILIZE WIREMOLD FLAMSTOPPER CAT No.FS4-FY. FOR 2" CONDUITS UTILIZE WIREMOLD FLAMSTOPPER CAT No.FS2-FY. AT CONTRACTORS OPTION, UTILIZE PRE-CUT 2", 4" CONDUITS, WIREMOLD CAT No.FSPCC2725.OR FSPCC4725 RESPECTIVELY. PRE-CUT CONDUITS ARE 7-5/16" IN LENGTH. PROVIDE ADEQUATE SPACING BETWEEN CONDUIT BANKS TO ALLOW FOR INSTALLATION OF FITTING.

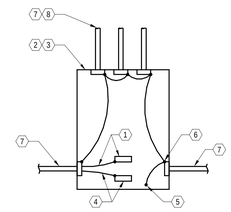
2. DETAIL/SPECIFICATIONS APPLICABLE FOR ALL LOW VOLTAGE CABLING PASSING THROUGH ALL FIRE RATED WALLS. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.

3. IF UTILIZED IN CONJUNCTION WITH CABLE TRAY, PROVIDE GROUND HARDWARE AND CONNECTIONS AS REQUIRED.

1 TYPICAL CONDUIT THRU-WALL FIRESTOPPING DETAIL
SCALE: NONE



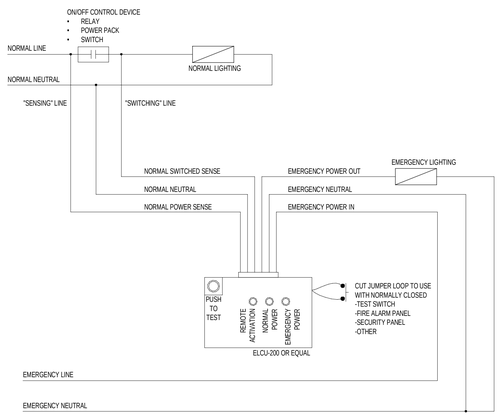
2 TYPICAL FIREPROOFING OF CONDUIT THROUGH A WALL
SCALE: NONE



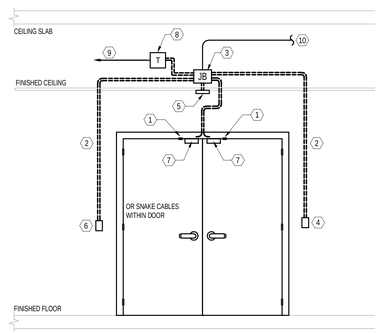
NOTES:

1. ISOLATED/INSULATED GROUND/BUS (IF APPLICABLE)
2. DISTRIBUTION PANELBOARD
3. LIGHTING PANELBOARD
4. SYSTEM GROUNDING BUS (DIRECT CONNECTION TO ENCLOSURE)
5. GROUND LUG (TYPICAL)
6. INSULATED GROUNDING BUSHING (TYPICAL) O-Z GEDNEY
7. FEEDER CONDUIT (TYPICAL)
8. BRANCH CIRCUIT CONDUIT (TYPICAL)

3 RACEWAY EQUIPMENT GROUNDING SYSTEM
SCALE: NONE



4 EMERGENCY LIGHTING CONTROL UNIT - TYPICAL WIRING
SCALE: NONE



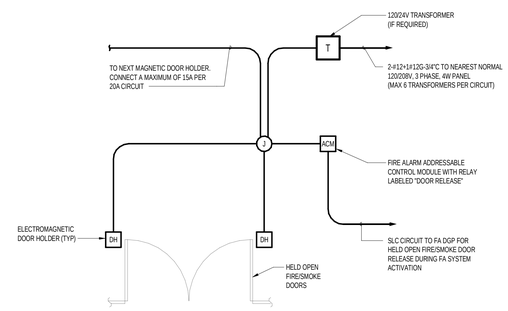
KEY NOTES:

1. DOOR POSITION SWITCH (RECESSED)
2. STUB 3/4" CONDUIT WITH DRAG LINE
3. PROVIDE 4" x 4" x 2-1/8" DEEP J. BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE ACCESSIBLE CEILING.
4. CARD READER
5. MOTION SENSOR FOR DOOR RELEASE EXIT
6. KEY SWITCH
7. MAGNETIC LOCKING DEVICES
8. 120/24V TRANSFORMER
9. 2 #12 TO NORMAL 120/208V, 3 PHASE, 4W PANEL VIA FIRE ALARM RELAY
10. TO NEXT MAGNETIC DOOR CONNECT A MAXIMUM OF 15A PER 20A CIRCUIT

NOTES:

1. SECURITY DEVICES & WIRING BY OTHERS, EMPTY CONDUITS & BACK BOXES BY ELECTRICAL CONTRACTOR.
2. COORDINATE DEVICE HEIGHT WITH ARCHITECT AND SECURITY VENDOR.

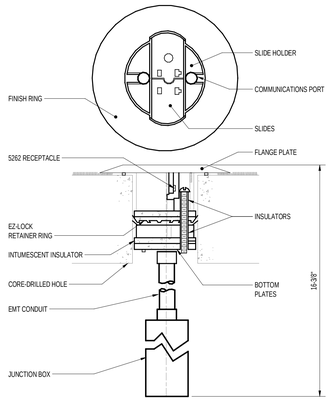
5 DOOR RELEASE SYSTEM DETAIL
SCALE: NONE



NOTES:

1. DOOR HOLDERS BY OTHERS, WIRED BY CONTRACTOR UON.
2. FINAL POWER PROVISION REQUIREMENTS PER FA VENDOR AND DEVICE MANUFACTURER.

6 TYPICAL MAGNETIC DOOR HOLDER WIRING DIAGRAM
SCALE: NONE



NOTES:

1. COODINATE FINAL LOCATIONS OF POKE-THRUS WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
2. COORDINATE FINAL POKE-THRU TYPES WITH THE ARCHITECT AND TELECOMMUNICATION ENGINEER.

7 POWER/COMMUNICATIONS POKE-THRU FLOOR FITTING - FLUSH FLOOR MOUNTED
SCALE: NONE

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
ELECTRICAL DETAILS

Scale
NONE

E-600

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FIRE ALARM SYMBOL LIST

CONTROL UNITS SYMBOLS

FACP	FIRE ALARM CONTROL PANEL
DGP	FIRE ALARM DATA GATHERING PANEL
TPR #	FIRE ALARM TRANSPONDER # = TRANSPONDER NUMBER
FAA	FIRE ALARM ANNUNCIATOR
NAC #	NOTIFICATION CIRCUIT POWER BOOSTER PANEL # = UNIT NUMBER
FATC	FIRE ALARM TERMINAL CABINET
BATT	BATTERY CABINET
EVAC	VOICE EVACUATION CONTROL UNIT
MIC	REMOTE VOICE EVACUATION MICROPHONE
GAP	GRAPHIC ANNUNCIATOR PANEL
UPS	UNINTERRUPTIBLE POWER SUPPLY
CRT	CRT
PRN	PRINTER
ECCU	EMERGENCY COMMUNICATIONS CONTROL UNIT
FSCP XX	FIRE SUPPRESSION CONTROL PANEL XX = SYSTEM TYPE CA = CLEAN AGENT GAS HL = HALON PA = PRE-ACTION
FSCU XX	FIRE SUPPRESSION CONTROL UNIT XX = SYSTEM TYPE CA = CLEAN AGENT GAS HL = HALON PA = PRE-ACTION
AMP	AMPLIFIER RACK
ACU	AUTONOMOUS CONTROL UNIT
ESR	ELEVATOR STATUS / RECALL
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
PP	POST-FIRE SMOKE PURGE PANEL
SAP	SPRINKLER ALARM PANEL
SCP	FIREFIGHTER'S SMOKE CONTROL PANEL
PRE	PRE-ACTION SYSTEM/CONTROL UNIT
RSFACU XX	RELEASING SERVICE FIRE ALARM CONTROL UNIT XX = SYSTEM TYPE A = AEROSOL CA = CLEAN AGENT CO2 = CARBON DIOXIDE DC = DRY CHEMICAL DL = DELUGE FIRE SPRINKLER FO = FOAM HL = HALON WC = WET CHEMICAL WM = WATER MIST

NOTIFICATION APPLIANCES SYMBOLS

XX	NOTIFICATION APPLIANCE XX = TYPE C = CEILING MOUNTED H = HIGH AUDIBLE SETTING L = LOW AUDIBLE SETTING nW = WATTAGE SETTING P = PENDENT RI = REMOTE INDICATOR SL = SIGNAL LIGHT WP = WEATHERPROOF WG = WIRE GUARD
F C H	HORN ONLY - WALL MOUNTED C = CEILING MOUNTED
S nW C	SPEAKER ONLY - WALL MOUNTED nW = WATTAGE SETTING (n = SPEAKER TAP) C = CEILING MOUNTED
G F	FIRE ALARM GONG
SS F	FIRE ALARM BELL - SINGLE STROKE
T F	FIRE ALARM BELL - TROUBLE
CD	VISIBLE ONLY (STROBE) - WALL MOUNTED CD = CANDELA RATING/SETTING
CD	VISIBLE ONLY (STROBE) - CEILING MOUNTED CD = CANDELA RATING/SETTING
CD C	COMBINATION HORN / VISIBLE (STROBE) CD = CANDELA RATING / SETTING C = CEILING MOUNTED
CD nW C	COMBINATION SPEAKER / VISIBLE (STROBE) CD = CANDELA RATING / SETTING nW = WATTAGE SETTING (n = SPEAKER TAP) C = CEILING MOUNTED
RI	REMOTE INDICATOR - WALL MOUNTED
RTS	REMOTE ALARM INDICATING AND TEST SWITCH
RI	REMOTE INDICATOR - CEILING MOUNTED

RELATED EQUIPMENT

DH	DOOR HOLDER
DCL	DOOR CLOSER
S DCL	INTEGRATED SMOKE SENSOR AND DOOR CLOSER
	END OF LINE RESISTOR
X	FIRE SERVICE OR EMERGENCY PHONE STATION, XX = TYPE J = JACK H = HANDSET A = ACCESSIBLE
IM	ISOLATOR MODULE (STYLE 6 OR 7 FAULT PROTECTION)
JB	JUNCTION BOX
	AIR SAMPLING DETECTOR PIPING (E.G. VESDA)

SIGNAL INITIATING DEVICES & ACTIVATION SWITCHES

XX	MANUAL STATION (PULL STATION) XX = FIRE ALARM BOX TYPE A = AEROSOL CA = CLEAN AGENT CO2 = CARBON DIOXIDE DC = DRY CHEMICAL DK = DRILL KEY DL = DELUGE FIRE SPRINKLER F = FIRE ALARM FO = FOAM HL = HALON MB = FIRE ALARM MASTER BOX PRE = PREACTION WC = WET CHEMICAL WM = WATER MIST
XX	ABORT SWITCH XX = TYPE A = ABORT SWITCH AR = AEROSOL RELEASE ABORT STATION CA = CLEAN AGENT CO2 = CARBON DIOXIDE DC = DRY CHEMICAL DL = DELUGE FIRE SPRINKLER F = FIRE ALARM FO = FOAM HL = HALON M = MANUAL RELEASING STATION PRE = PREACTION WC = WET CHEMICAL WM = WATER MIST
H XX	HEAT DETECTOR / SENSOR (THERMAL DETECTION) XX = TYPE (ORIENTATION NOT TO BE CHANGED) R/F = COMBINATION RATE OF RISE/FIXED TEMPERATURE R/C = RATE COMPENSATION F = FIXED TEMPERATURE R = RATE OF RISE ONLY
H	HEAT DETECTOR - LINE TYPE
S XX	SMOKE DETECTOR / SENSOR XX = TYPE AS = AIR SAMPLING BR = BEAM RECEIVER BT = BEAM TRASMITTER ID = IN DUCT I = IONIZATION P = PHOTOELECTRIC R = RELAY BASE SB = SOUNDER BASE
SS	SMOKE ALARM (SINGLE STATION)
S XX	SMOKE DETECTOR / SENSOR - WALL MOUNTED XX = TYPE AS = AIR SAMPLING BR = BEAM RECEIVER BT = BEAM TRASMITTER ID = IN DUCT I = IONIZATION P = PHOTOELECTRIC R = RELAY BASE SB = SOUNDER BASE
S XX	SMOKE DETECTOR / SENSOR FOR DUCT
S H R	SMOKE / HEAT DETECTOR / SENSOR COMBINATION
S H CO	SMOKE / HEAT / CARBON MONOXIDE DETECTOR / SENSOR
XX	GAS DETECTOR / SENSOR XX = TYPE CO = CARBON MONOXIDE CO2 = CARBON DIOXIDE HCL = HYDROGEN CHLORIDE CH4 = METHANE
UV	FLAME DETECTOR XX = TYPE IR = NFRARED UV = ULTRAVIOLET UV/IR = COMBINATION ULTRAVIOLET/INFRARED VR = VISIBLE RADIATION
WF	FLOW DETECTOR/SWITCH
PS	PRESSURE DETECTOR/SWITCH
VS	VALVE SUPERVISORY SWITCH
LS XX	LEVEL DETECTOR/SWITCH, 'XX' DENOTES TYPE: XX = TYPE HI = HIGH LO = LOW
HT	HIGH TEMPERATURE SWITCH
LT	LOW TEMPERATURE SWITCH
AIM	ADDRESSABLE INPUT MODULE
AOM	ADDRESSABLE OUTPUT MODULE
AIO #	ADDRESSABLE INPUT/OUTPUT MODULE # = NUMBER OF INPUTS AND OUTPUTS
R	NON-ADDRESSABLE OUTPUT RELAY
SOV	SOLENOID VALVE

AUXILIARY RADIO COMMUNICATION SYSTEM (ARCS)

DPA	DIPOLE ANTENNA
A	LOW PROFILE ANTENNA
ARCS	AUXILIARY RADIO COMMUNICATION SYSTEM
DRC	DEDICATED RADIO CONSOLE
RAU	RADIO AMPLIFICATION UNIT
PWD	POWER DIVIDER

ALARM AUDIBILITY CRITERIA (2022 NYC BUILDING CODE / NFPA 72-2016)	
LOCATION	AVERAGE AMBIENT SOUND LEVEL (DBA)
BUSINESS OCCUPANCIES	55
MERCANTILE OCCUPANCIES	40
MECHANICAL ROOMS	85
PLACES OF ASSEMBLY	55
STORAGE OCCUPANCIES	30

NOTES:
1. SPEAKERS SHALL HAVE A SOUND LEVEL OF AT LEAST 15-DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL MEASURED OVER A 24-HOUR PERIOD OR 5-DBA ABOVE THE MAXIMUM AMBIENT SOUND LEVEL LASTING AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED AT 5-FEET ABOVE THE FLOOR IN OCCUPIED AREAS.
2. THE TOTAL SOUND PRESSURE LEVEL PRODUCED BY AMBIENT SOUND PRESSURE LEVELS AND ALL OPERATING AUDIBLE NOTIFICATION APPLIANCES MUST NOT EXCEED 120-DBA AT THE MINIMUM HEARING DISTANCE FROM THE APPLIANCE.
3. WHERE THE AVERAGE AMBIENT NOISE IS GREATER THAN 105-DBA, VISIBLE ALARM NOTIFICATION APPLIANCES MUST BE PROVIDED AND AUDIBLE ALARM APPLIANCES SHALL NOT BE REQUIRED TO AEXCEED A SOUND PRESSURE LEVEL OF 120-DBA

FIRE ALARM DEMOLITION NOTES

MODIFYING EXISTING FA SYSTEM

1. THE CONTRACTOR SHALL VISIT THE PREMISES, CAREFULLY EXAMINE EXISTING CONDITIONS AND COMPARE SAME WITH A FULL SET OF CONTRACT DOCUMENTS AND SATISFY HIMSELF OF THE CONDITIONS EXISTING AT THE BUILDING BEFORE DELIVERY OF HIS PROPOSAL. PERFORM ALL DEMOLITION REQUIRED TO ACHIEVE THE DESIGN INTENT AS REQUIRED BY ALL THE CONTRACT DOCUMENTS. NO ADDITIONAL ALLOWANCE WILL BE MADE TO THE CONTRACTOR DUE TO HIS NEGLECT OR FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
2. THE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO DEPICT THE FULL EXTENT OF ALL DEMOLITION, RELOCATION AND MODIFICATION OF EXISTING WORK REQUIRED INCLUDING ALL AUXILIARY DEVICES, WIRING, RACEWAYS, BOXES, SUPPORTS, ETC.
3. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR REQUIRED WORK AS DESCRIBED WITH ALLOWANCES FOR NORMAL UNFORESEEN DIFFICULTIES AFTER CONCEALED WORK IS OPEN.
4. REFER TO THE ARCHITECTURAL CONTRACT DOCUMENTS FOR MORE INFORMATION REGARDING ALL AREAS AFFECTED BY NEW CONSTRUCTION, FINAL CONTRACT LIMIT LINES AND PHASING REQUIREMENTS. ALL REQUIRED WORK SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER.
5. PROVIDE ALL REQUIRED SYSTEM MODIFICATIONS AS REQUIRED TO MAINTAIN THE EXISTING FIRE ALARM SYSTEM ACTIVE AND FULLY OPERATIONAL DURING CONSTRICTION. PROVIDE ADDITIONAL SUPPORT OF ALL EXISTING RACEWAYS, WIRING AND DEVICES TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILINGS AND PARTITIONS.
6. ALL EXISTING FIRE ALARM SYSTEM ALTERATIONS AND REQUIRED REPROGRAMMING DURING DEMOLITION PHASE SHALL BE COORDINATED WITH THE FIRE ALARM SYSTEM SERVICING COMPANY. ANY SYSTEM SHUTDOWNS MUST BE COORDINATED WITH THE FIRE ALARM SYSTEM SERVICING COMPANY AND OWNER. FIRE WATCHES SHALL BE PROVIDED AS REQUIRED AT NO ADDITIONAL COST.
7. UNLESS OTHERWISE NOTED OR DIRECTED IN THE FIELD , DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM DEVICES AND EQUIPMENT TOGETHER WITH ALL ASSOCIATED WIRING AND CONDUIT IN EXISTING SPACES TO BE RENOVATED OR AFFECTED BY THE NEW CONSTRUCTION. CONDUITS IN FLOOR SLABS SHALL BE CUT FLUSH, WIRING SHALL BE REMOVED AND FLOOR PATCHED.
8. UNLESS OTHERWISE NOTED OR DIRECTED IN THE FIELD, DO NOT DISCONNECT /REMOVE MANUAL PULL STATIONS AND/OR OTHER FIRE ALARM DEVICES LOCATED AT THE STAIR ENTRANCES.
9. RELOCATE EXISTING FIRE ALARM SYSTEM DEVICES AND COMPONENTS AS SHOWN ON THE DRAWINGS WHERE REQUIRED DUE TO INTERFERING WITH THE NEW ARCHITECTURAL PLANS. ALL INSTALLATIONS WHICH ARE NO LONGER REQUIRE TO FUNCTION SHALL BE DE-ENERGIZED, DISCONNECTED AND REMOVED AT THE SOURCE OF SUPPLY.
10. PORTIONS OF EXISTING CIRCUITS THAT HAVE TO BE RELOCATED SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED FOR CONTINUATION OF THEIR PRESENT FUNCTION. NEW CIRCUIT EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECTS.
11. PROVIDE TEMPORARY DEVICES AND CIRCUITS IF REQUIRED DUE TO PROJECT PHASING. PROVISION OF TEMPORARY WORK SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF THE FIRE ALARM SERVICING COMPANY, CODE, LOCAL AUTHORITIES HAVING JURISDICTION AND CONTRACT DOCUMENTS. DISCONNECT AND REMOVE ALL TEMPORARY WORK WHEN IT IS NO LONGER REQUIRED OR DIRECTED IN THE FIELD.
12. ALL DEVICES, EQUIPMENT AND MATERIAL IN USABLE CONDITION, WHICH ARE TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER AND BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION AND/OR TAKEN FROM THE SITE BY THE CONTRACTOR AND DISPOSED AS DIRECTED AND IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS.

FIRE ALARM GENERAL NOTES

MODIFYING EXISTING FA SYSTEM

1. THE CONTRACTOR SHALL PROVIDE ALL NEW FIRE ALARM SYSTEM DEVICES AND EQUIPMENT, WIRING AND CONNECTIONS, RACEWAYS, BOXES, ETC. FOR CONNECTION TO THE EXISTING FIRE ALARM SYSTEM AS REQUIRED BY THIS PROJECT CONTRACT DOCUMENTS. ALL NEW FIRE ALARM SYSTEM COMPONENTS SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM AND PROVIDED IN ACCORDANCE WITH REQUIREMENTS OF THE EXISTING FIRE ALARM SYSTEM SERVICING COMPANY, CONTRACT DOCUMENTS, ALL APPLICABLE BUILDING AND ELECTRICAL CODES, RULES, REGULATIONS, NFPA STANDARDS, MANUFACTURER AND AUTHORITIES HAVING JURISDICTION (AHJ).
2. NEW DEVICES MAY BE CONNECTED TO FIRE ALARM EQUIPMENT DIRECTLY OR VIA EXISTING CIRCUITS WHEN ACCEPTABLE BY THE FIRE ALARM SERVICING COMPANY.
3. MODIFICATION OF EXISTING SYSTEM EQUIPMENT AND SYSTEM REPROGRAMMING AS REQUIRED FOR CONNECTION OF THE NEW DEVICES AND EQUIPMENT FOR FULLY OPERATIONAL SYSTEM SHALL BE INCLUDED AS PART OF THE CONTRACTORS WORK.
4. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COAST ASSOCIATED WITH OBTAINING SERVICES OF THE FIRE ALARM SERVICING COMPANY TO OVERSEE AND MAKE ALL FINAL CONNECTIONS OFF ALL NEW DEVICES AND EQUIPMENT TO THE EXISTING SYSTEM INCLUDING ANY MODIFICATIONS THAT MAY BE REQUIRED.
5. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF THE SYSTEM AND WORK REQUIRED. FINAL FIRE ALARM SYSTEM CONFIGURATION AND ARRANGEMENTS, CIRCUITRY TYPE AND SIZING, INSTALLATION DETAILS, ETC. SHALL BE INCLUDED INTO THE SHOP DRAWINGS PREPARED BY THE VENDOR.
6. FIRE ALARM SYSTEM WIRING AND EQUIPMENT INSTALLATION SHALL BE IN COMPLIANCE WITH CODE REQUIREMENTS FOR PATHWAY AND COMPONENT SURVIVABILITY LEVELS AS APPLICABLE FOR THIS PROJECT.
7. THE CONTRACTOR SHALL PROVIDE ALL FILING, OBTAIN ALL APPROVALS AS REQUIRED FOR THE SYSTEM INSTALLATION AND ACCEPTANCE AND PAY ALL REQUIRED FEES.
8. FIRE ALARM SYSTEM COMPONENTS SHALL BEAR ALL REQUIRED APPROVALS AND LISTINGS.
9. FINAL LOCATIONS OF NEW FIRE ALARM SYSTEM EQUIPMENT AND DEVICES SHALL BE IN COMPLIANCE WITH CODES AND AS REQUIRED BY THE AHJ.
10. NO CHANGE OR MODIFICATIONS TO THE DESIGNED SYSTEM SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD AND/OR THE AHJ.
11. THE FIRE ALARM SYSTEM SHALL BE INTERFACED WITH OTHER SYSTEMS AS REQUIRED FOR MONITORING AND/OR CONTROL. REFER TO THE SYSTEM MATRIX OF OPERATION FOR MORE INFORMATION. REVIEW CONTRACT DRAWINGS OF OTHER DISCIPLINES AS RELEVANT FOR LOCATIONS AND QUANTITIES OF ALL DEVICES AND EQUIPMENT FOR THE ABOVE SYSTEMS THAT HAVE TO BE INTERFACED. THE FINAL LOCATIONS SHALL BE COORDINATED WITH RELEVANT CONTRACTORS.
12. COORDINATE EXACT FINAL LOCATIONS OF ALL DEVICES WITH THE ARCHITECT.
13. ALL EQUIPMENT, DEVICES AND COMPONENTS MOUNTING HEIGHTS SHALL BE CONSISTENT WITH THE EXISTING SYSTEM INSTALLATION AND AS REQUIRED BY CONTRACT DOCUMENTS, APPLICABLE STANDARDS, CODES, MANUFACTURER AND AHJ REQUIREMENTS.
14. FIRE ALARM NOTIFICATION DEVICE AUDIBILITY AND VISIBLE DEVICE FINAL INTENSITY PROVISIONS AND SETTINGS SHALL BE IN COMPLIANCE WITH THE CODE REQUIREMENTS.
15. DUCT SMOKE DETECTORS SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DOCUMENTS AND WERE REQUIRED BY CODE. REFER TO HVAC CONTRACT DOCUMENTS FOR MORE INFORMATION. DUCT SMOKE DETECTORS SHALL BE MOUNTED ON THE DUCTWORK IN IN ACCORDANCE WITH CODE REQUIREMENTS AND MANUFACTURER INSTRUCTIONS. PROVIDE REMOTE INDICATOR LIGHT/TEST SWITCH FOR EACH DUCT SMOKE DETECTOR THAT IS NOT READILY ACCESSIBLE (SUCH AS DETECTORS INSTALLED IN DROP CEILING OR IN REMOTE LOCATION). THE FINAL LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS SHALL BE COORDINATED WITH THE MECHANICAL CONTRACTOR.
16. PROVIDE ALL WORK AS REQUIRED BY THE CONTRACT DOCUMENTS AND CODES FOR OPERATION OF MOTORIZED FIRE/SMOKE DAMPERS AND FAN CONTROL AND MONITORING FROM THE FIRE ALARM SYSTEM.
17. CEILING MOUNTED AREA SMOKE DETECTORS SHALL BE MOUNTED AT LEAST 5 FEET FROM SUPPLY AND RETURN REGISTERS. PROVIDE ADDITIONAL AREA SMOKE DETECTORS IN BEAM POCKETS WHERE REQUIRED FOR CODE COMPLIANCE.
18. ALL CEILING MOUNTED DEVICES SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE AND NOT TO THE CEILING GRID. ALL WALL-MOUNTED DEVICES SHALL BE SECURELY MOUNTED IN PLACE. PLASTIC ANCHORS ARE NOT ACCEPTABLE.
19. DEVICE LOCATIONS SHALL BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.
20. EQUIPMENT INSTALLED ON OTHER THAN MASONRY WALLS SHALL BE MOUNTED WITH MODULAR CHANNEL SUPPORTS SECURED TO THE BUILDING STRUCTURE.
21. IN GENERAL, ALL WIRING SHALL BE INSTALLED IN NON-FLEXIBLE METALLIC CONDUITS EXCEPT WHERE CODE AND/OR LOCAL AHJ ALLOW TO RUN WIRING WITHOUT CONDUITS. UTILIZE EMT CONDUITS FOR INSTALLATIONS OVER 8 FEET ABOVE FINISHED FLOOR, WERE CONDUITS ARE NOT SUBJECT TO PHYSICAL DAMAGE AND WHERE EMT USE IS PERMITTED BY THE CODE. OTHERWISE, UTILIZE RIGID GALVANIZED CONDUIT. MINIMUM CONDUIT SIZE SHALL BE ¾". FINAL CONDUIT SIZES SHALL BE BASED ON ACTUAL NUMBER AND TYPE OF FIRE ALARM CABLES AS REQUIRED BY THE VENDOR.
22. RACEWAYS IN FINISHED AREAS SHALL BE CONCEALED UNLESS OTHERWISE IS ALLOWED BY THE ARCHITECT.
23. MAINTAIN AT LEAST 12" DISTANCE OF FIRE ALARM WIRING FROM POWER SYSTEM WIRING.
24. NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY WITH POWER WIRING. FIRE ALARM WIRING SHALL NOT BE MIXED WITH NON-FIRE ALARM WIRING.
25. ANY REQUIREMENTS FOR SHIELDING OF CERTAIN CONDUCTORS OR RUNNING THEM IN SEPARATE RACEWAYS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
26. ALL FIRE ALARM WIRING SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND EQUIPMENT CABINETS. ALL TERMINALS SHALL BE NUMBERED AND LABELED.
27. ALL FIRE ALARM EQUIPMENT SHALL BE CLEARLY LABELED.
28. PROVIDE ALL CUTTINGS, PATCHING AND PAINTING AS REQUIRED. PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SEALED WITH APPROVED MATERIAL AS REQUIRED TO MAINTAIN REQUIRED FIRE RATING.
29. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR UPON THE PROJECT COMPLETION.
30. THE FINAL SYSTEM PROGRAMMING SHALL BE AS REQUIRED BY THE AHJ.
31. REFER TO THE CONTRACT SPECIFICATIONS FOR MORE INFORMATION AND REQUIREMENTS.

FIRE ALARM DRAWING LIST

DRAWING No.	DRAWING TITLE
FA-000	FIRE ALARM COVER SHEET
DFA-100	FIRE ALARM DEMOLITION PLAN
FA-101.0	FIRE ALARM FLOOR PLAN 0
FA-101.1A	FIRE ALARM FLOOR PLAN 1A
FA-101.1B	FIRE ALARM FLOOR PLAN 1B
FA-101.2	FIRE ALARM FLOOR PLAN 2
FA-200	FIRE ALARM DETAILS

PLOT PLAN

SCALE: NONE

FIRE ALARM SYSTEM OPERATION MATRIX (OUTSIDE NYC TEMPORAL-3 SYSTEM)

OUTPUT DESCRIPTION: CONTROL UNIT ANNUNCIATION (A–G); NOTIFICATION (H–R); REQUIRED FIRE SAFETY CONTROL (S–DD)

SYSTEM OUTPUTS / SYSTEM INPUTS

No.	INPUT DESCRIPTION	A: ACTUATE VISIBLE ALARM SIGNAL INDICATOR & VISUALLY ANNUNCIATE THE DEVICE AT FACP AND REMOTE ANNUNCIATORS	B: ACTUATE AUDIBLE ALARM SIGNAL AT FACP AND REMOTE ANNUNCIATORS	C: ACTUATE VISIBLE SUPERVISORY SIGNAL INDICATOR & VISUALLY ANNUNCIATE THE DEVICE AT FACP AND REMOTE ANNUNCIATORS	D: ACTUATE AUDIBLE SUPERVISORY SIGNAL AT FACP AND REMOTE ANNUNCIATORS	E: ACTUATE VISIBLE TROUBLE SIGNAL INDICATOR & VISUALLY ANNUNCIATE THE DEVICE AT FACP AND REMOTE ANNUNCIATORS	F: ACTUATE AUDIBLE TROUBLE SIGNAL AT FACP AND REMOTE ANNUNCIATORS	G: DISPLAY/PRINT CHANGE OF STATUS AT FACP AND CHANGE OF STATUS AT REMOTE ANNUNCIATORS	H: ACTIVATE AUDIBLE APPLIANCES IN TEMPORAL 3 PATTERN AND ACTIVATE VISIBLE APPLIANCES THROUGHOUT BUILDING FOR A PERIOD THAT IS APPROPRIATE FOR PURPOSES OF EVACUATING THE BUILDING, BUT NOT LESS THAN 180 SECONDS	I: ACTIVATE LOCAL SOUNDER BASE WITH TEMPORAL 4 AUDIBLE SIGNAL AND FLASH AMBER-LENSED STROBE IF PROVIDED	J: TRANSMIT AUTOMATIC ALARM SIGNAL TO CENTRAL MONITORING STATION	K: TRANSMIT MANUAL ALARM SIGNAL TO CENTRAL MONITORING STATION	L: TRANSMIT WATERFLOW SIGNAL TO CENTRAL MONITORING STATION	M: TRANSMIT FIRE PUMP RUNNING SIGNAL TO CENTRAL MONITORING STATION	N: TRANSMIT FIRE PUMP POWER FAILURE SIGNAL TO CENTRAL MONITORING STATION	O: TRANSMIT FIRE PUMP PHASE REVERSAL SIGNAL TO CENTRAL MONITORING STATION	P: TRANSMIT A CARBON MONOXIDE ALARM SIGNAL TO CENTRAL MONITORING STATION	Q: TRANSMIT SUPERVISORY SIGNAL TO CENTRAL MONITORING STATION	R: TRANSMIT TROUBLE SIGNAL TO CENTRAL MONITORING STATION	S: RELEASE ELECTROMAGNETICALLY HELD DOORS	T: RECALL ELEVATORS TO DESIGNATED LEVEL	U: RECALL FREIGHT ELEVATORS TO DESIGNATED LEVEL, OPEN CAB DOOR AND REMOVE ELEVATOR POWER	V: UNLOCK FAIL SAFE DOORS OR ELECTRICALLY LOCKED DOORS AND OPEN/RELEASE ANY TURNSTILE IN BUILDING	W: OPEN ASSOCIATED SMOKE VENT DAMPER OR SMOKE HATCH OR START EXHAUST FAN	X: SHUT DOWN ALL FANS 2000 CFM AND LARGER SERVING ALARM FLOOR OR LOCATED ON ALARM FLOOR AND CLOSE ALL ASSOCIATED DAMPERS	Y: INITIATE AUTOMATIC SMOKE CONTROL SYSTEM SEQUENCE	Z: PRESSURIZE STAIRWELLS	AA: OPERATE CONTROL RELAYS TO START POST-FIRE SMOKE PURGE FANS AND OPEN/CLOSE ASSOCIATED DAMPERS	BB: OPERATE CONTROL RELAYS TO START ATRIUM SMOKE CONTROL SYSTEM FANS AND OPEN/CLOSE ASSOCIATED DAMPERS (UPON ACTIVATION OF ATRIUM DETECTORS OR ATRIUM WATERFLOW ONLY)	CC: SHUT DOWN DIESEL GENERATOR FUEL OIL PUMPS	DD: SHUT DOWN CARBON MONOXIDE PRODUCING EQUIPMENT AT ACTIVATION OF CO DETECTOR LOCATED AT THIS EQUIPMENT (EXCEPT FOR A GENERATOR)	No.
1	MANUAL PULL STATION	X	X					X	X			X								X					X							1
2	AREA SMOKE DETECTOR	X	X					X	X		X									X			X		X							2
3	ELEVATOR MACHINE ROOM SMOKE DETECTOR	X	X					X	X		X									X	X		X	X	X							3
4	ELEVATOR LOBBY OR ELEVATOR LANDING SMOKE DETECTOR	X	X					X	X		X									X	X		X		X							4
5	ELEVATOR HOISTWAY SMOKE DETECTOR	X	X					X	X		X									X	X		X	X	X							5
6	TOP OF STAIR SMOKE DETECTOR	X	X					X	X		X									X			X	X	X							6
7	SMOKE DETECTOR AT THE ENTRANCE OF STAIRWELL	X	X					X	X		X									X			X		X		X					7
8	ATRIUM SMOKE DETECTOR	X	X					X	X		X									X			X	X	X				X			8
9	DUCT SMOKE DETECTOR	X	X					X	X		X									X			X		X							9
10	AREA HEAT DETECTOR	X	X					X	X		X									X			X		X							10
11	ELEVATOR MACHINE ROOM HEAT DETECTOR	X	X					X	X		X									X	X	X	X	X	X							11
12	ELEVATOR HOISTWAY HEAT DETECTOR	X	X					X	X		X									X	X	X	X	X	X							12
13	DIESEL GENERATOR ROOM OR FUEL OIL PUMP ROOM SMOKE AND/OR HEAT DETECTOR	X	X					X	X		X									X			X		X					X		13
14	AREA CARBON MONOXIDE DETECTOR			X	X			X		X							X														X	14
15	WATERFLOW SWITCH	X	X					X	X				X							X	X		X		X		X					15
16	FIRE EXTINGUISHING/SUPPRESSION/PRE-ACTION SUB-SYSTEM ALARM SIGNAL ACTUATION	X	X					X	X		X									X			X		X							16
17	FIRE EXTINGUISHING/SUPPRESSION/PRE-ACTION SUB-SYSTEM SUPERVISORY SIGNAL ACTUATION			X	X			X										X														17
18	FIRE EXTINGUISHING/SUPPRESSION/PRE-ACTION SUB-SYSTEM TROUBLE SIGNAL ACTUATION					X	X	X											X													18
19	FIRE PROTECTION SYSTEM CONTROL VALVE "TAMPER" SWITCH			X	X			X										X														19
20	LOW/HIGH LEVEL PRESSURE SWITCHES			X	X			X										X														20
21	LOW TEMPERATURE (ON-SITE WATER STORAGE SUBJECT TO FREEZING)			X	X			X										X														21
22	FIRE PUMP RUNNING			X	X			X						X																		22
23	FIRE PUMP POWER FAILURE			X	X			X							X																	23
24	FIRE PUMP PHASE REVERSAL			X	X			X								X																24
25	FIRE ALARM AC FAILURE					X	X	X											X													25
26	FIRE ALARM SYSTEM LOW BATTERY					X	X	X											X													26
27	OPERATION WIRING OR COMPONENT FAULT					X	X	X											X													27
28	GENERATOR MONITORING DEVICES (GENERATOR RUN OR GENERATOR FAIL)			X	X			X										X														28
29	AUTOMATIC OR MANUAL ACTIVATION AT FIREFIGHTER'S SMOKE CONTROL PANEL			X	X			X																		X						29
30	MANUAL ACTIVATION AT POST-FIRE SMOKE PURGE PANEL			X	X			X																				X				30
31	ACTIVATION FIREMAN'S SERVICE MANUAL PHASE I OPERATIONS ("RECALL") KEY			X	X			X													X		X									31
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
FIRE ALARM COVER SHEET

Scale
As indicated

FA-000

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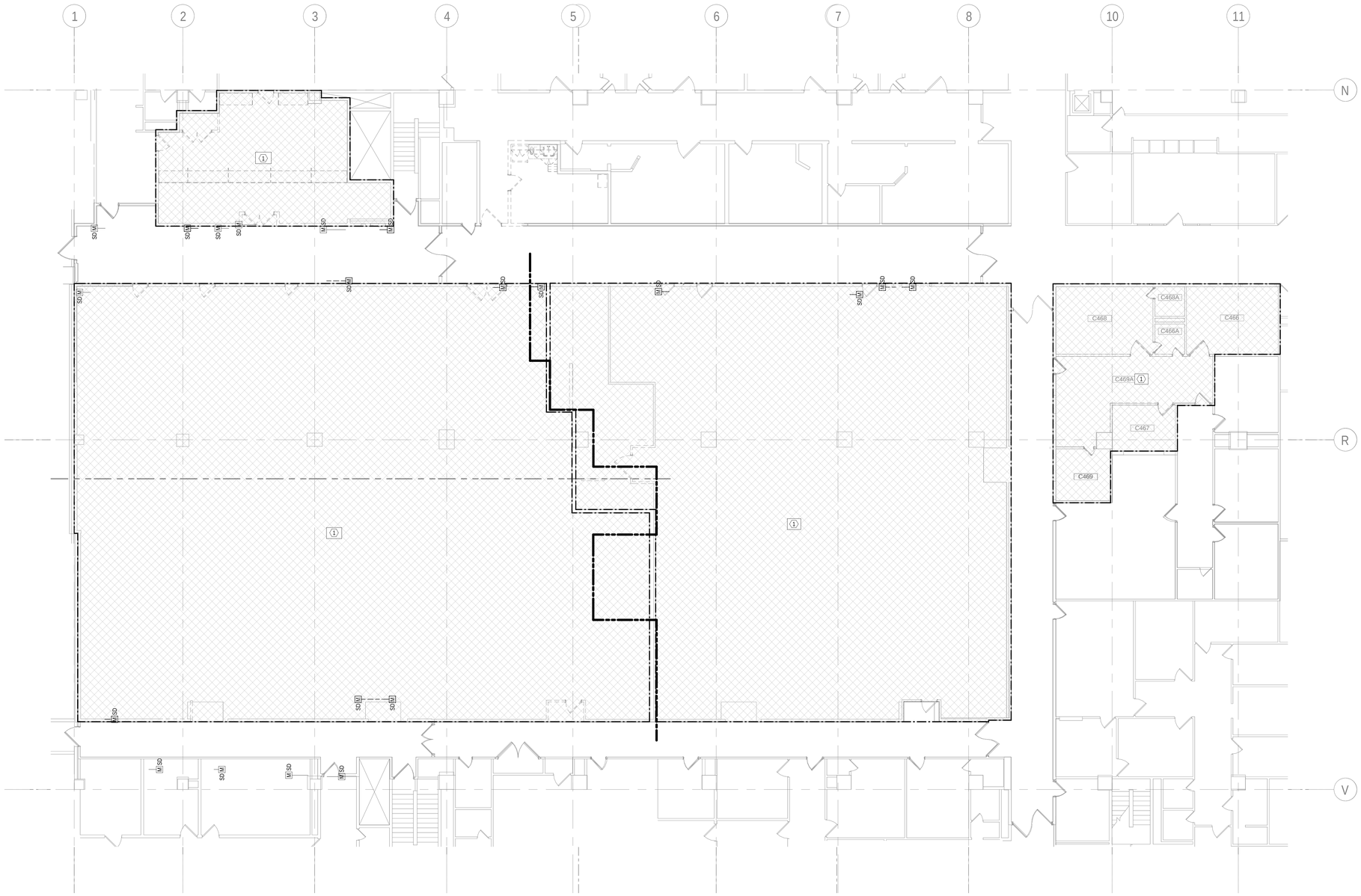
KEY NOTES

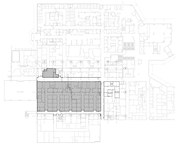
(#) SYMBOL DENOTES KEY NOTE

1 DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES IN THE INDICATED AREA IN A MANNER TO MAINTAIN THE OPERABILITY OF ALL OTHER FIRE ALARM DEVICES ON THE EXISTING LOOP.



1 LEVEL C PHASE 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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Project Number

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Description

FIRE ALARM DEMOLITION PLAN
LEVEL C PHASE 1

Scale

1/8" = 1'-0"

DFA-100

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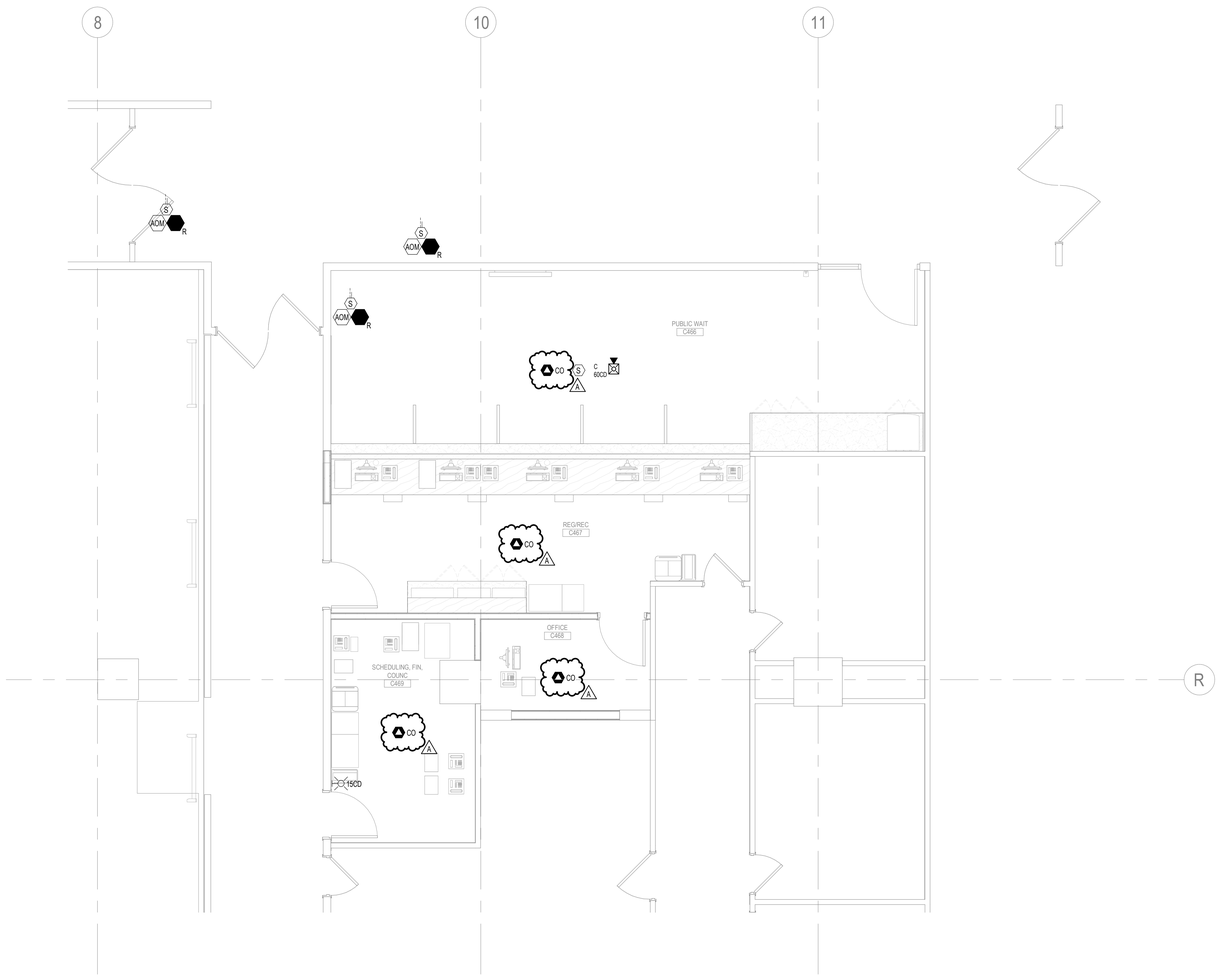
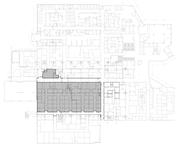


1 LEVEL C PHASE 1 - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN



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EMERGENCY DEPARTMENT EXPANSION

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Description
FIRE ALARM FLOOR PLAN 0
LEVEL C PHASE 1 - RADIOLOGY

Scale
1/4" = 1'-0"

FA-101.0

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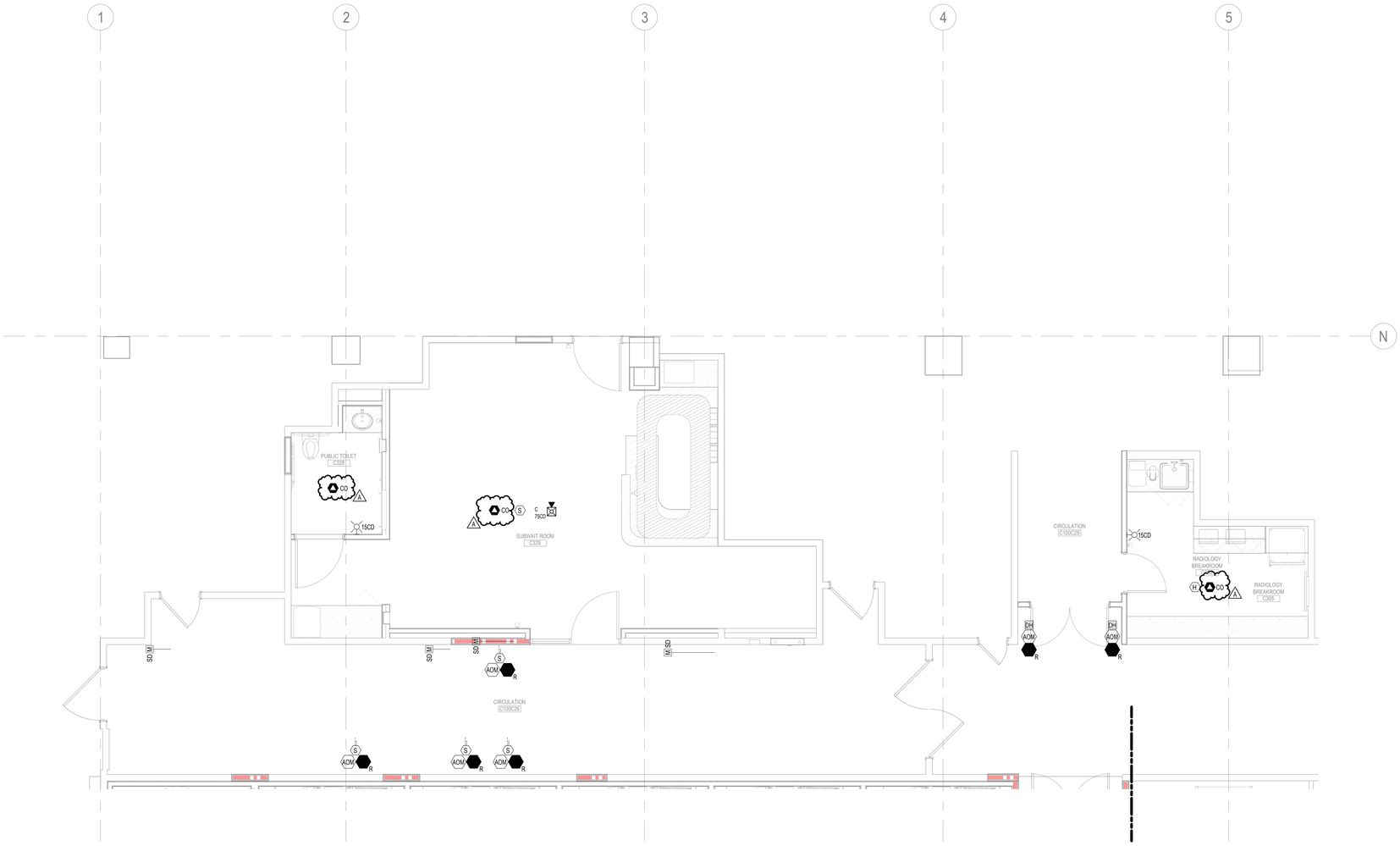

1 LEVEL C PHASE 1 - WAITING ROOM
SCALE: 1/4" = 1'-0"

KEY PLAN

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Description

FIRE ALARM FLOOR PLAN 1A
LEVEL C PHASE 1 - WAITING ROOM

Scale

1/4" = 1'-0"

FA-101.1A

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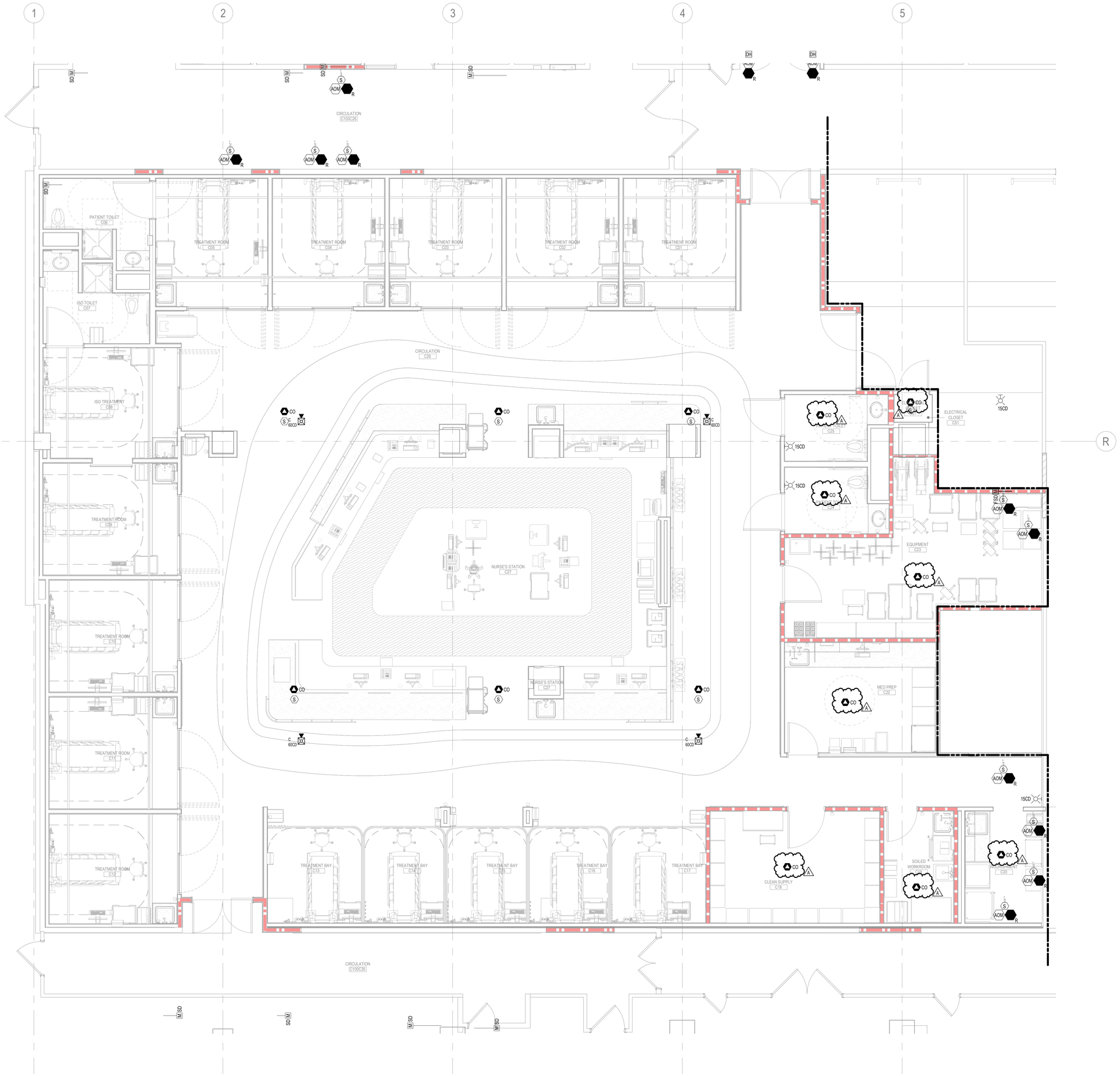

1 LEVEL C PHASE 1 - EMERGENCY DEPARTMENT

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

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Description

FIRE ALARM FLOOR PLAN 1B
LEVEL C PHASE 1 - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

FA-101.1B

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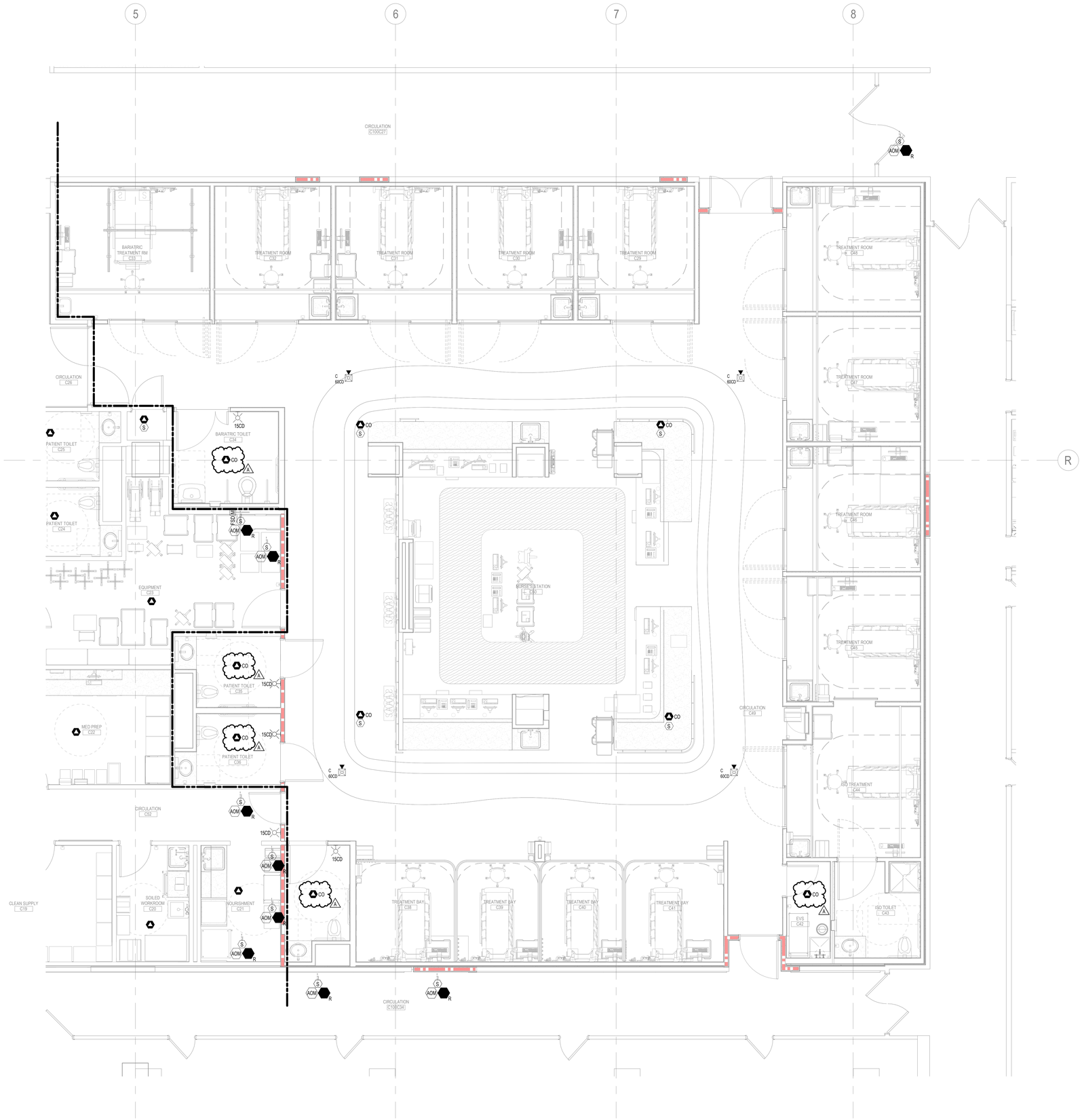

1 LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

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

KEY PLAN

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Project Number

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Description

FIRE ALARM FLOOR PLAN 2
LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

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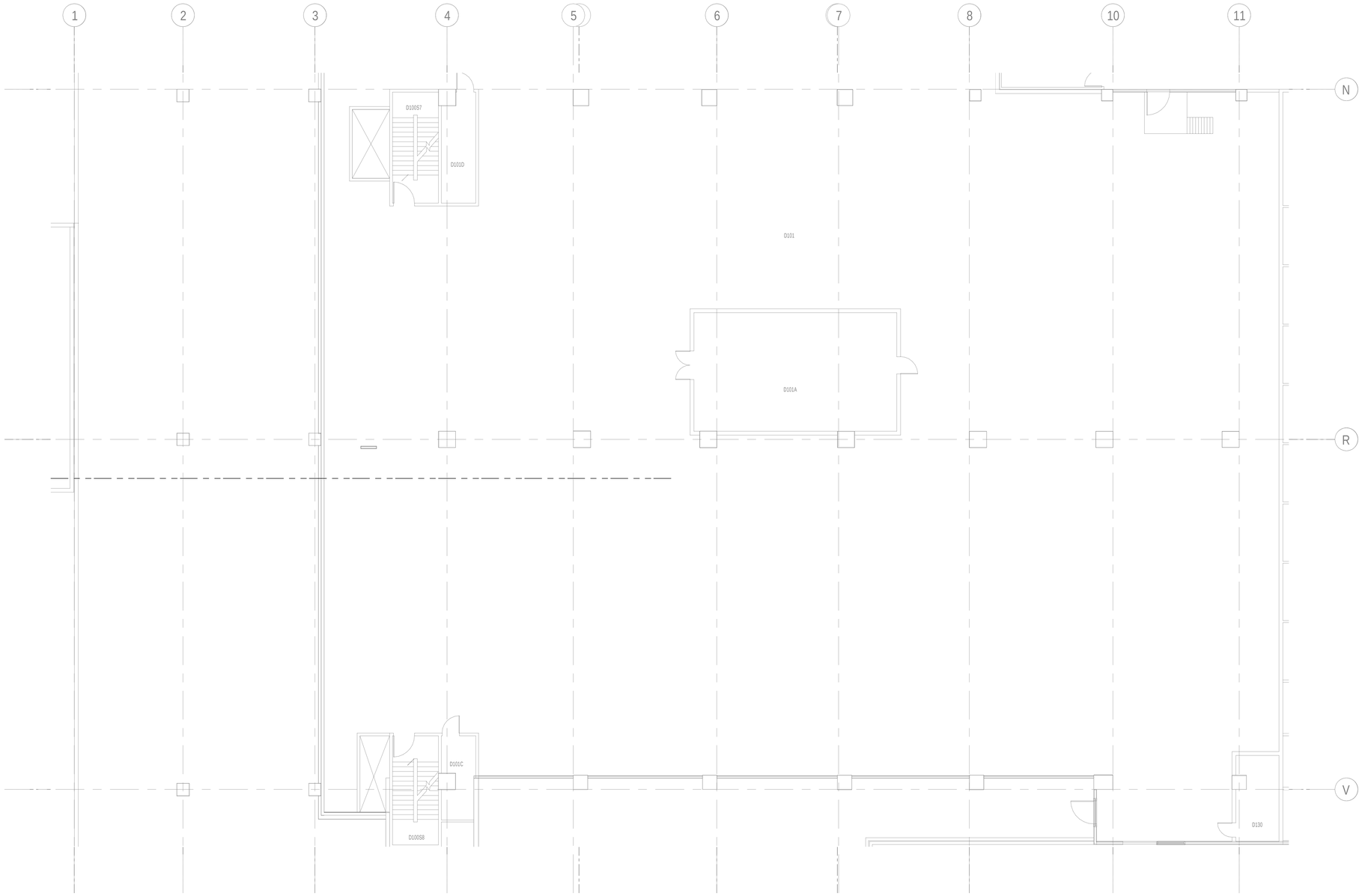
KEY NOTES

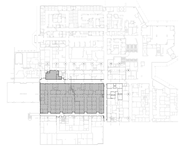
(#) SYMBOL DENOTES KEY NOTE



1 LEVEL D PHASE 1

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

KEY PLAN



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Project Number

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Description

FIRE ALARM FLOOR PLAN
LEVEL D PHASE 1

Scale

1/8" = 1'-0"

FA-110

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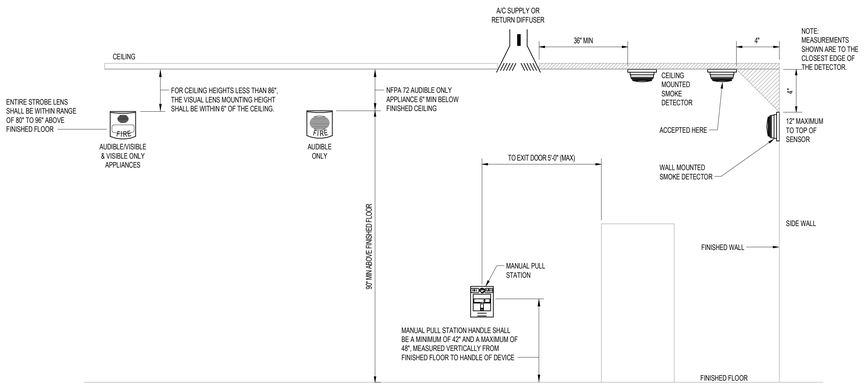
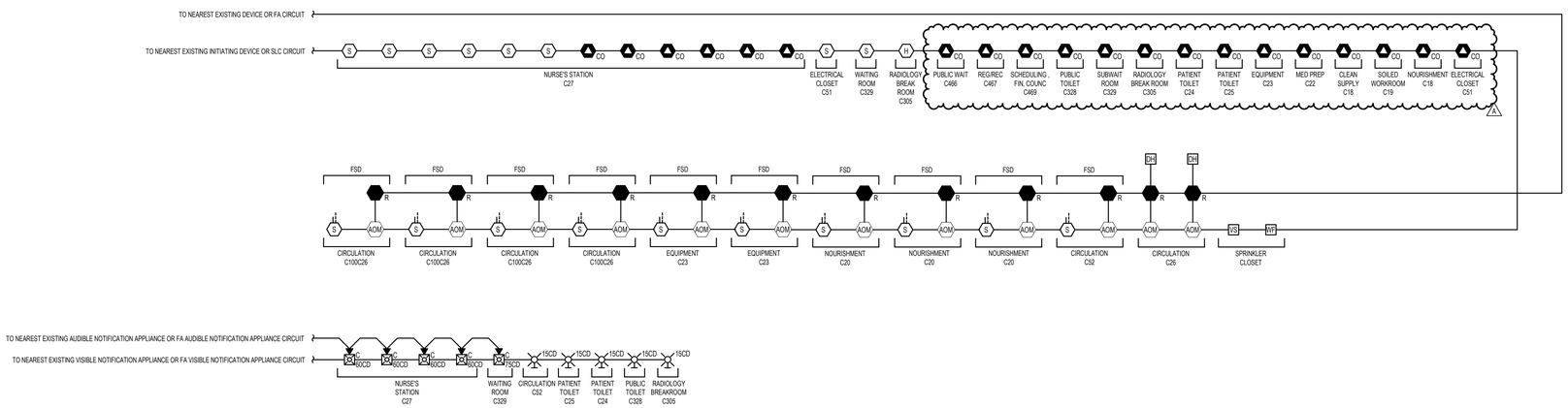
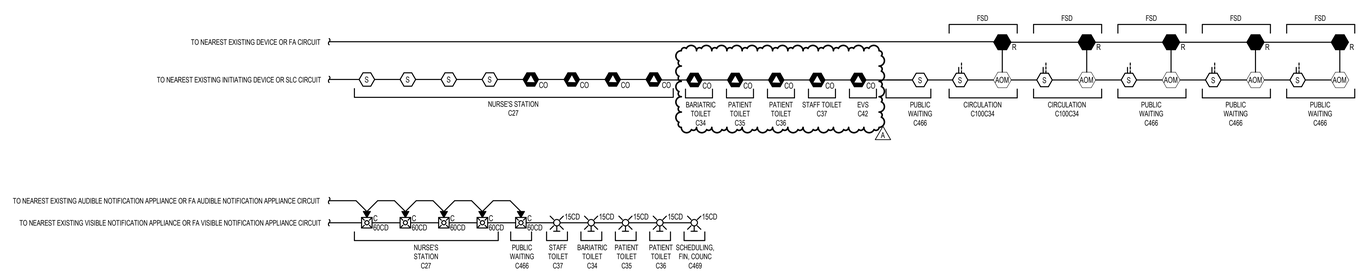


1 DEVICE AND APPLIANCE MOUNTING HEIGHT REFERENCE

SCALE: NONE



PHASE 1 FIRE ALARM RISER



PHASE 2 FIRE ALARM RISER

2 FIRE ALARM RISER DIAGRAM

SCALE: NONE

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Description
FIRE ALARM DETAILS

Scale
NONE

FA-200

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FIRE PROTECTION SYMBOL LIST

- CONNECT TO EXISTING
- DISCONNECT FROM EXISTING
- EXISTING PIPING
- EXISTING WORK TO BE REMOVED
- F — COMBINED FIRE STANDPIPE & SPRINKLER PIPING
- FSP — FIRE STANDPIPE PIPING (STANDALONE)
- SPRINKLER PIPING
- DSP — DRY SPRINKLER PIPING
- PA — PRE-ACTION SPRINKLER PIPING
- DR — DRAIN PIPING
- PIPING BELOW SLAB
- HEAT TRACE / FREEZE PROTECTION CABLE & INSULATION
- SLOPED CHANGE IN PIPE ELEVATION
- BOTTOM PIPE CONNECTION
- TOP PIPE CONNECTION
- CAPPED OUTLET
- PIPE DOWN/DROP
- PIPE RISE/UP
- PIPE SLOPE
- VALVE IN VERTICAL
- UNION
- WATER PROOF SLEEVE
- SLEEVE
- FIRE HOSE VALVE
- FIRE HOSE VALVE IN CABINET
- FIRE HOSE VALVE w/HOSE IN CABINET
- FE-X — FIRE HOSE VALVE w/FIRE EXTINGUISHER
- ROOF MANIFOLD (3-WAY)
- FLOOR CONTROL VALVE ASSEMBLY
- VALVE ASSEMBLY
  - AC - ALARM CHECK
  - DR - DRY PIPE
  - PA - PRE ACTION
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- PRESSURE RELIEF VALVE
- ISOLATION VALVE
- OUTSIDE SCREW & YOKE (OS & Y) VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- FLOAT VALVE
- Y STRAINER w/BLOW-OFF VALVE
- RPDA — REDUCED PRESSURE DETECTOR ASSEMBLY
- DCDA — DOUBLE CHECK DETECTOR ASSEMBLY
- # # — HYDRAULIC REF. POINTS # = ELEMENT # = NODE
- T — TAMPER SWITCH
- WATERFLOW SWITCH
- PRESSURE GAUGE w/GAUGE COCK
- X # — RISER DESIGNATION
  - X = RISER SERVICE; # = RISER NUMBER
- EXTEND EXISTING SPRINKLER PIPING TO NEW SPRINKLER HEAD
- PUMP
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- FIRE PUMP TEST HEADER
- PUMP CONTROLLER
- ATS — AUTOMATIC TRANSFER SWITCH

FIRE PROTECTION ABBREVIATIONS

ABD	AUTOMATIC BALL DRIP
AC	ALARM CHECK
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BLDG	BUILDING
BOP	BOTTOM OF PIPE
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONS	CONSTRUCTION
DEMO	DEMOLITION
DIA	DIAMETER
DN	DOWN (PENETRATES FLOOR SLAB)
DP	DROP
DR	DRAIN
(E)	EXISTING
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED & RELOCATED
ELEC	ELECTRICAL
F	FIRE STANDPIPE & SPRINKLER (COMBINED)
FCVA	FLOOR CONTROL VALVE ASSEMBLY
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FL	FLOOR
FP	FIRE PUMP
FSP	FIRE STANDPIPE
FT	FEET
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HD	HEAT DETECTOR
ID	INSIDE DIAMETER
IN	INCH
JP	JOCKEY PUMP
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OS&Y	OUTSIDE SCREW & YOKE
PA	PRE-ACTION
PG	PRESSURE GAUGE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GAUGE)
PSIA	POUNDS PER SQUARE INCH (ABSOLUTE)
(RE)	RELOCATED EXISTING
(RRO)	EXISTING TO REMOVED AND RETURN TO OWNER
RCV	RISER CONTROL VALVE
SBP	SPRINKLER BOOSTER PUMP
SD	SMOKE DETECTOR
SP	SPRINKLER
TOP	TOP OF PIPE
TS	TAMPER SWITCH
UON	UNLESS OTHERWISE NOTED
UP	UP (PENETRATES FLOOR SLAB)
WFS	WATER FLOW SWITCH
WMG	WATER MOTOR GONG
Z	ZONE

FIRE PROTECTION DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THEIR PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF EXISTING SYSTEMS AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER.
2. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS BEFORE STARTING ANY WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE REMOVING OR RELOCATING ANY EXISTING PIPING NOT INDICATED ON DRAWINGS.
4. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING PIPING/SYSTEMS WHICH INTERFERE WITH THE NEW ARCHITECTURAL LAYOUTS. ALL ABANDONED PIPING/SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE REMOVED BACK TO ACTIVE LINES/MAINS/RISERS AS REQUIRED.
5. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH EXISTING FUNCTIONING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED AS REQUIRED.
6. MAKE ANY NECESSARY TEMPORARY CONNECTIONS BETWEEN EXISTING AND NEW WORK TO MAINTAIN CONTINUOUS SERVICE OF ALL EXISTING SYSTEMS. MINIMIZE SHUTDOWNS. OBTAIN WRITTEN APPROVAL FROM OWNER FOR SHUTDOWNS. LOCAL SHUT-DOWNS REQUIRE A REQUEST TO THE OWNER A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO WORK. SHUTDOWNS OF EXISTING BUILDING SERVICES, BEYOND AREA OF WORK, REQUIRE A REQUEST TO THE OWNER A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO WORK. SHUTDOWNS SHALL ALSO BE DONE DURING NON-OCCUPIED HOURS, UNLESS OTHERWISE NOTED. PROVIDE FIRE WATCH AS NECESSARY.
7. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
8. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
9. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
10. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE CONTRACTOR, AS DIRECTED BY THE OWNER.

FIRE PROTECTION GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
2. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
3. ALL FIRE PROTECTION WORK SHALL BE IN ACCORDANCE WITH THE CURRENT FIRE PROTECTION CODE AND ALL APPLICABLE LOCAL CODES AND DRAWINGS.
4. ALL FIRE PROTECTION AND SPRINKLER MATERIALS AND COMPONENTS (AUTOMATIC SPRINKLERS, PIPE, FITTINGS, PIPE HANGERS, CONTROL VALVES, ETC.) SHALL BE UL LISTED AND BEAR FACTORY MUTUAL APPROVAL AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
5. ALL COMPONENTS USED IN FIRE PROTECTION SYSTEMS SHALL BE IN ACCORDANCE WITH THE OWNER AND BUILDING GUIDELINES, STANDARDS AND SPECIFICATIONS.
6. PROVIDE WET-PIPE SPRINKLERS IN ALL AREAS, UNLESS OTHERWISE NOTED.
7. SECURE WATER FLOW TEST DATA TAKEN FROM FIRE HYDRANTS NEAREST SITE. IF RECENT FLOW TEST DATA (LESS THAN ONE-YEAR OLD) IS NOT AVAILABLE FROM CITY RECORDS, MAKE NECESSARY TESTS AS REQUIRED BY NFPA STANDARDS TO DETERMINE CHARACTER OF WATER SUPPLY. MINIMUM OF 20 PSI DROP IN PRESSURE BETWEEN STATIC AND RESIDUAL PRESSURE SHALL BE REQUIRED IN ORDER TO OBTAIN ACCURATE DATA.
8. ADD 10% CONTINGENCY FACTOR TO HYDRAULIC CALCULATIONS.
9. EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS WITH SUSPENDED CEILING SHALL BE AS INDICATED ON REFLECTED CEILING PLANS.
10. MINIMUM PRESSURE AT END SPRINKLER HEAD 7 PSI, OR AS REQUIRED BY SPRINKLER HEAD, WHICHEVER IS GREATER.
11. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13 AND FACTORY MUTUAL 0.5 2-8N.
12. MAXIMUM FLOW VELOCITY SHALL NOT EXCEED 20 F.P.S.
13. ENDS OF ALL CROSS MAINS SHALL BE PROVIDED WITH THREADED FLUSHING CONNECTION NO MORE THAN 2 INCHES IN DIAMETER.
14. PROVIDE AUXILIARY DRAINS FOR ALL PIPING BELOW DUCT SPRINKLERS AND OPEN TRAPPED SECTIONS. PIPING TO SINGLE SPRINKLER IS EXCLUDED.
15. PROVIDE FLUSHING CONNECTIONS WHERE REQUIRED BY NFPA AND F.M.
16. COORDINATE WITH OWNER FOR ALL SHUTDOWNS.
17. PROVIDE TEST CONNECTIONS AT HIGHEST POINT OF MAIN PORTION OF EACH SPRINKLER SYSTEM, WITH 1" PIPE AND VALVE. TEST PIPE SHALL BE CONNECTED TO SPRINKLER PIPE AT LEAST 1-1/4" IN SIZE AND SHALL DISCHARGE OUTSIDE BUILDING OR THROUGH 1/2" SMOOTH BORE BRASS OUTLET, WHERE IT CAN BE EASILY SEEN.
18. PROVIDE ADDITIONAL SPRINKLERS UNDER OBJECTS AND DUCTWORK WIDER THAN 48". SPRINKLERS SHALL BE EQUIPPED WITH WIRE GUARDS.
19. THE REUSE OF EXISTING SPRINKLERS, PIPING, VALVES AND TRIM SHALL BE PROHIBITED.
20. SPRINKLER TYPE AND TEMPERATURE RATING SHALL BE IN ACCORDANCE WITH SCHEDULE UNLESS NOTED OTHERWISE AND/OR REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
21. COORDINATE ALL PIPE PENETRATIONS AND CORING WITH STRUCTURAL ENGINEER AND IN ACCORDANCE WITH DIVISION 01.
22. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING RELATED WORK.
23. COORDINATE ALL NEW FIRE PROTECTION WORK WITH ALL EXISTING AND/OR NEW DUCTWORK, PIPING AND UTILITIES OF ANY SYSTEMS. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE INTENT OF THE DESIGN. REROUTE ANY PIPING AROUND EXISTING AND/OR NEW SYSTEMS INCLUDING ALL REQUIRED FITTINGS AND SUPPORTS TO MAKE THE INSTALLATION OF THE PIPING AND SPRINKLERS POSSIBLE. RESEAL ANY FIRE AND/OR SMOKE RATED PENETRATIONS THAT HAVE BEEN AFFECTED AS A RESULT OF THE MODIFICATION.

SPRINKLER DESIGN CRITERIA NFPA

THE ENTIRE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED TO MEET THE FOLLOWING CRITERIA:

1. LIGHT HAZARD OCCUPANCY - INCLUDING BUT NOT LIMITED TO TREATMENT ROOMS, OFFICE SPACES, PATIENT TOILETS, NURSE STATIONS, TREATMENT BAY ROOMS: DENSITY 0.10 GPM PER SQ. FT., OVER THE MOST HYDRAULICALLY REMOTE 1500 SQ. FT. AREA, MAXIMUM COVERAGE PER SPRINKLER 225 SQ. FT.
2. ORDINARY HAZARD OCCUPANCY (GROUP 1) - INCLUDING BUT NOT LIMITED TO STORAGE (NOT INCLUDING HIGH PILED, COMMODITY STORAGE, ETC.), MECHANICAL ROOMS: DENSITY 0.15 GPM PER SQ. FT. OVER THE MOST HYDRAULICALLY REMOTE 1500 SQ. FT. AREA, MAXIMUM COVERAGE PER SPRINKLER 130 SQ. FT.
3. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13.
4. DISCHARGE FROM EACH SPRINKLER SHALL NOT BE LESS THAN REQUIRED FOR AREA COVERED BY THIS SPRINKLER, AREA COVERAGE PER SPRINKLER SHALL BE DETERMINED IN ACCORDANCE WITH NFPA STANDARD NO. 13.
5. HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO CONNECTION TO SPRINKLER FLOOR CONTROL VALVE ASSEMBLY/WATER SUPPLY.
6. THE WATER SUPPLY SERVING THE SPRINKLER SYSTEM SHALL BE CAPABLE OF SUPPLYING THE MOST HYDRAULICALLY DEMANDING AREA FOR THE DURATION REQUIRED BY NFPA NO. 13.

FIRE PROTECTION DRAWING LIST

DRAWING No.	DRAWING TITLE
F-000	FIRE PROTECTION COVER SHEET
DF-100	FIRE PROTECTION DEMOLITION PLAN
F-101.0	FIRE PROTECTION FLOOR PLAN 0
F-101.1A	FIRE PROTECTION FLOOR PLAN 1A
F-101.1B	FIRE PROTECTION FLOOR PLAN 1B
F-101.2	FIRE PROTECTION FLOOR PLAN 2
F-200	FIRE PROTECTION RISER DIAGRAM
F-300	FIRE PROTECTION DETAILS

SPRINKLER SCHEDULE

NOTES:
1. SPRINKLER TEMPERATURE RATINGS SHALL BE IN ACCORDANCE WITH NFPA NO. 13.
2. RESPONSE TYPE & K-FACTOR OF NEW SPRINKLERS SHALL MATCH EXISTING WITHIN THE SAME COMPARTMENT.
3. PROVIDE SPRINKLER GUARDS ON SPRINKLERS IF INSTALLED 7'-0" OR LOWER AND IN ALL STORAGE ROOMS AND MECHANICAL ROOMS.
4. PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS IN ALL ELECTRICAL & MECHANICAL ROOMS.
5. EXPOSED SPRINKLER IN OCCUPIED SPACES SHALL BE CHROME FINISH.

DESIGNATION	SPRINKLER TYPE	RESPONSE TYPE	TEMPERATURE RATING CLASSIFICATION	K-FACTOR	ORIFICE	MANUFACTURER	MODEL No.	REMARKS
●	CONCEALED PENDENT	QUICK,	ORDINARY	5.6	1/2"	VIKING	VK462	COVER PLATE COLOR SELECTION BY ARCHITECT

HYDRAULIC DEMAND NOTE

I, _____, HEREBY CERTIFY THAT THE SYSTEM'S NEWLY CALCULATED HYDRAULIC DEMAND AS PER 2022 CODE DUE TO WORK FILED UNDER THIS APPLICATION IS EQUAL TO OR LESS THAN THE HYDRAULIC DEMAND OF THE EXISTING SYSTEM PRIOR TO CURRENT OR PROPOSED MODIFICATION.

PLOT PLAN

SCALE: NONE

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
FIRE PROTECTION COVER SHEET

Scale
As indicated

F-000

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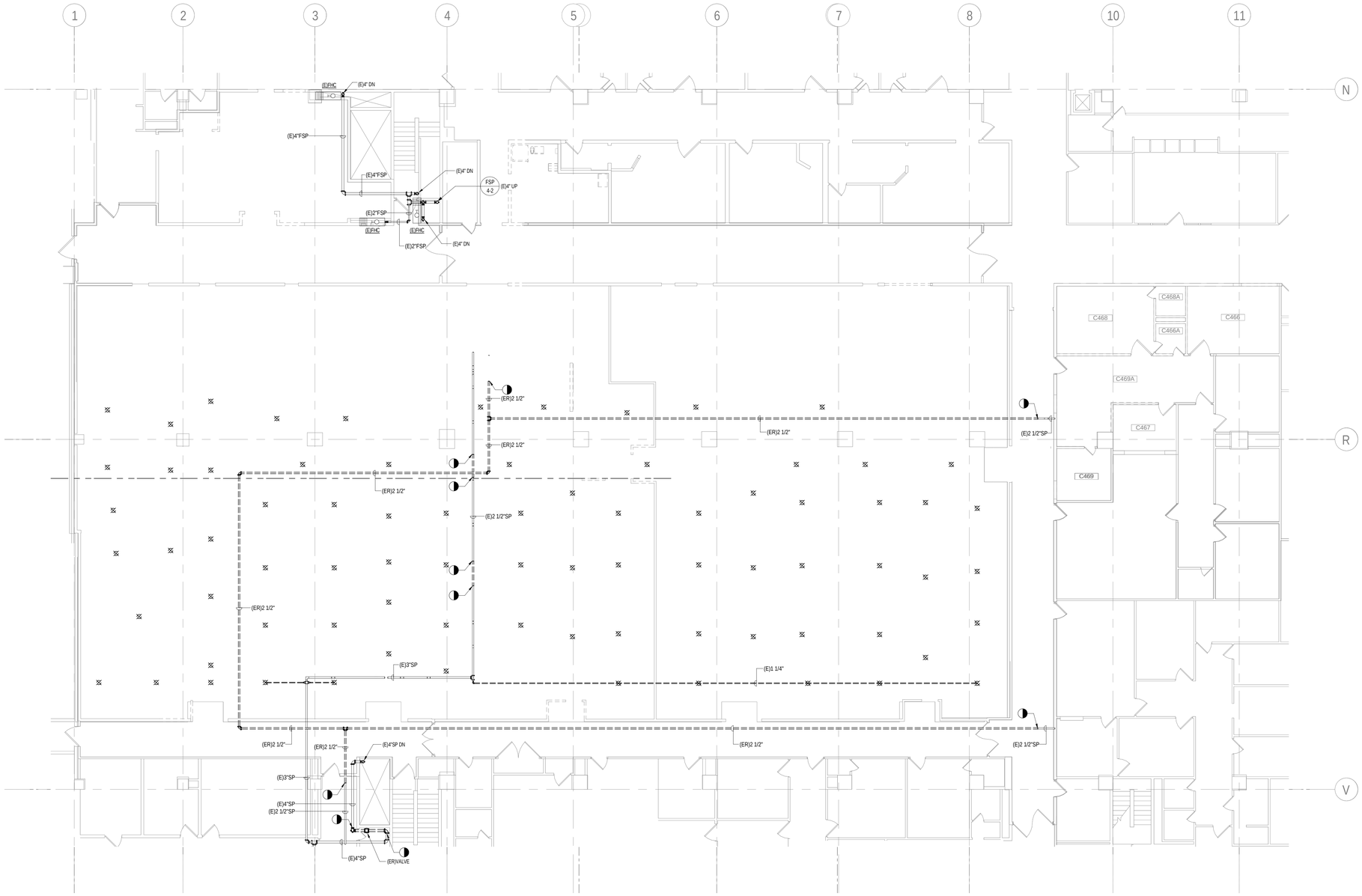
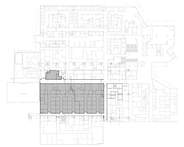
DRAWING NOTES:

1. ALL SPRINKLER HEADS AND ASSOCIATED BRANCH PIPING TO BE DEMOLISHED BACK TO ACTIVE MAIN.



1 LEVEL C - PHASE 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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Description
FIRE PROTECTION DEMOLITION PLAN
LEVEL C - PHASE 1

Scale
1/8" = 1'-0"

DF-100

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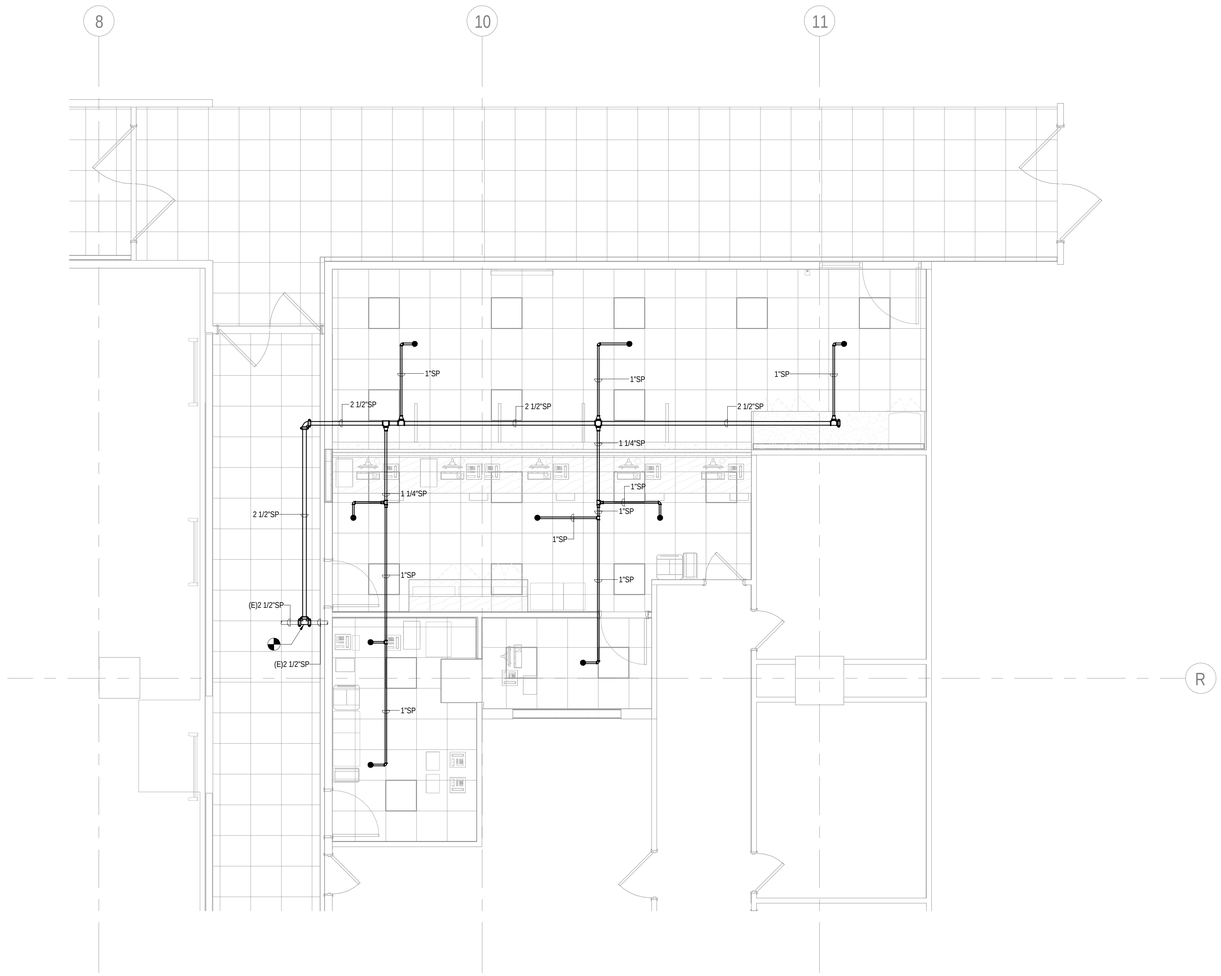

2 LEVEL C PHASE 1 - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN

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Description
FIRE PROTECTION FLOOR PLAN 0
LEVEL C PHASE 1 - RADIOLOGY

Scale
1/4" = 1'-0"

F-101.0

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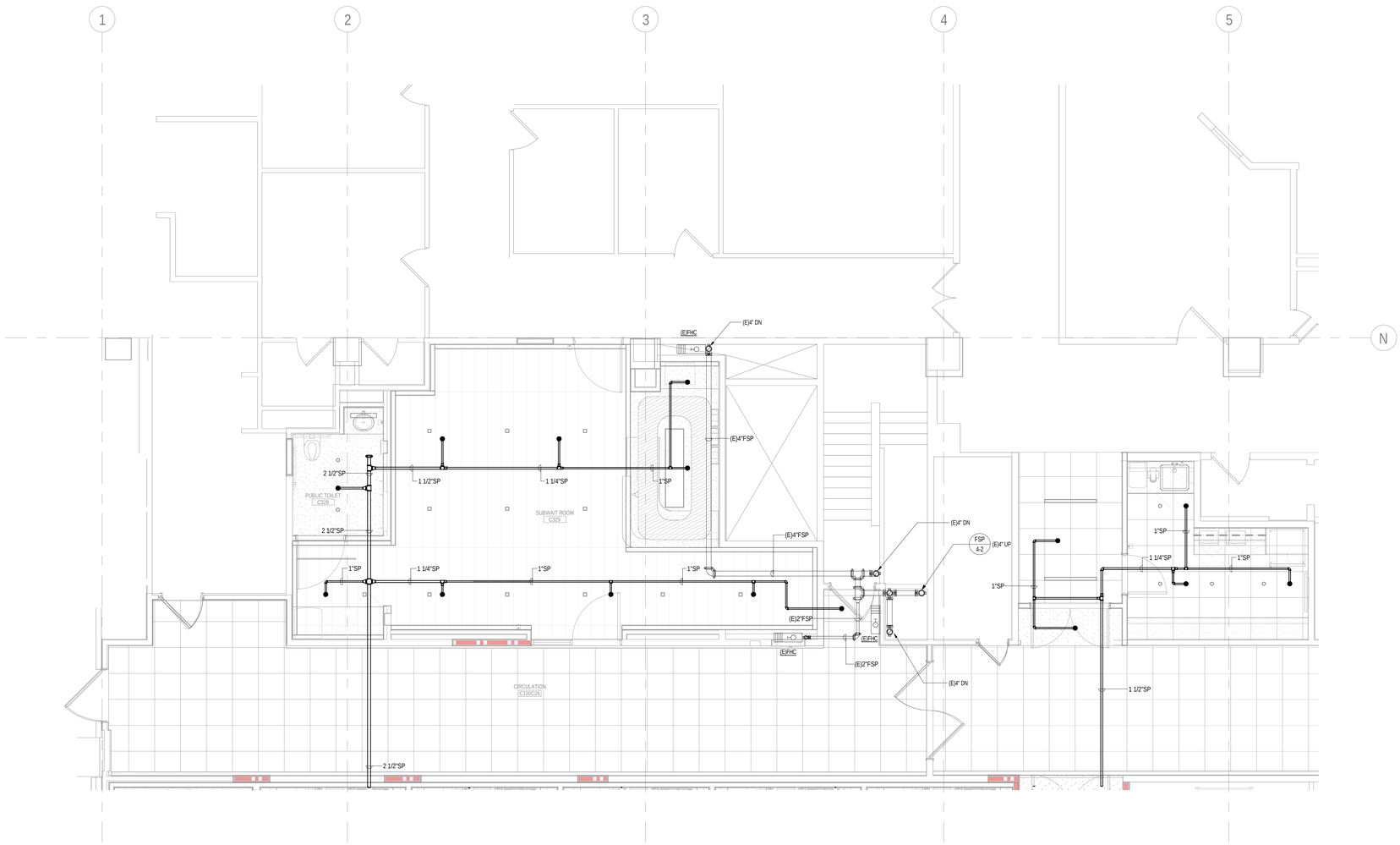
GENERAL NOTES:

1. CONTRACTOR TO RE-CONNECT ALL EXISTING SPRINKLER HEADS OUTSIDE OF THE AREA OF WORK THAT BECOME DISCONNECTED DURING CONSTRUCTION.



2 LEVEL C PHASE 1 - WAITING ROOM

SCALE 1/4" = 1'-0"

KEY PLAN

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Description

FIRE PROTECTION FLOOR PLAN 1A
LEVEL C PHASE 1 - WAITING ROOM

Scale

1/4" = 1'-0"

F-101.1A

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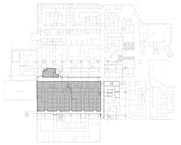
GENERAL NOTES:

1. CONTRACTOR TO RE-CONNECT ALL EXISTING SPRINKLER HEADS OUTSIDE OF THE AREA OF WORK THAT BECOME DISCONNECTED DURING CONSTRUCTION.

2 LEVEL C PHASE 1 - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
FIRE PROTECTION FLOOR PLAN 1B
LEVEL C PHASE 1 - EMERGENCY DEPARTMENT

Scale
1/4" = 1'-0"

F-101.1B

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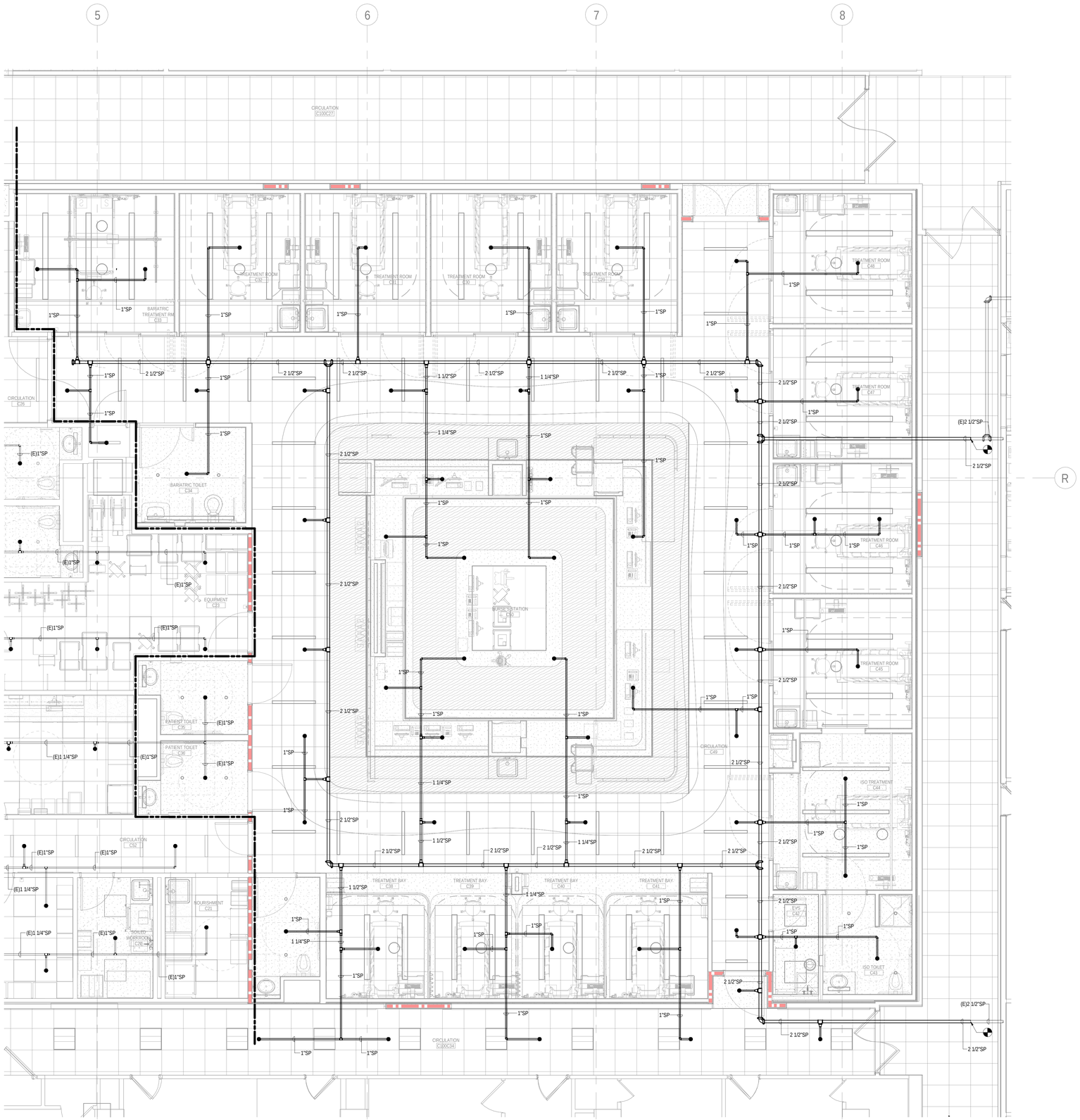
GENERAL NOTES:

1. CONTRACTOR TO RE-CONNECT ALL EXISTING SPRINKLER HEADS OUTSIDE OF THE AREA OF WORK THAT BECOME DISCONNECTED DURING CONSTRUCTION.



2 LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

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

KEY PLAN

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Description

FIRE PROTECTION FLOOR PLAN 2
LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

F-101.2

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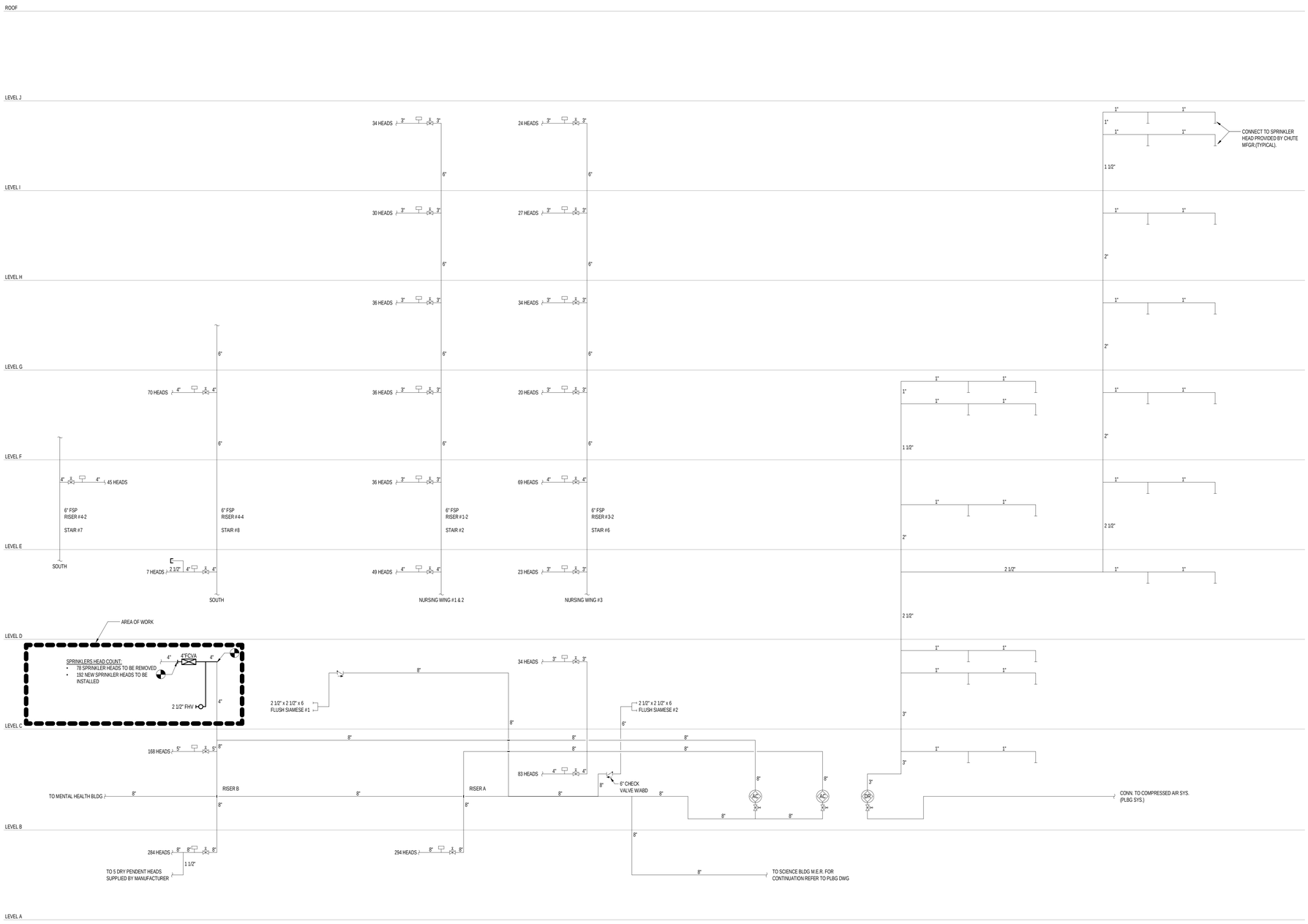

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Description

FIRE PROTECTION RISER DIAGRAM

Scale

NONE

F-200

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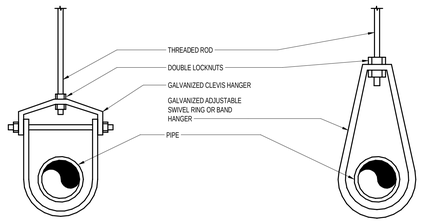
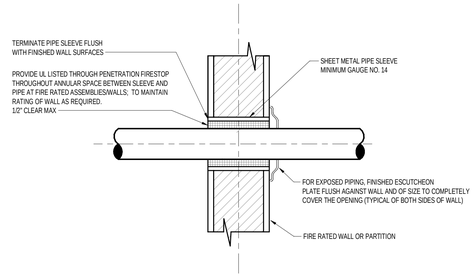


NOTES:

1. FOR SPACING AND TYPE OF SUPPORTS, REFER TO NFPA 13.
2. CLEVIS HANGERS REQUIRED ON ALL PIPING 2" AND LARGER.
3. FOR NON-INSULATED OR NON-FERROUS PIPING, PROVIDE RUBBER GASKET/COATED HANGERS.
4. ALL COMPONENTS SHALL BE LISTED.
5. PROVIDE INSULATION AND SHIELD FOR HEAT TRACED FIRE PROTECTION PIPING.
6. PROVIDE ANCHORAGE TO STRUCTURE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER.

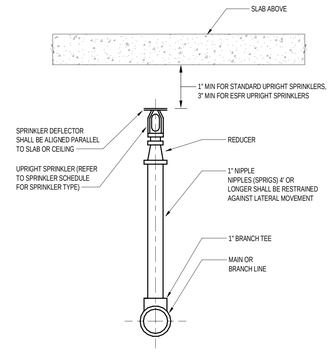
PIPE HANGER

SCALE: NONE



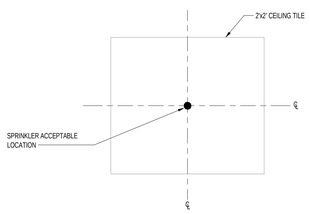
PIPE PENETRATION WITHOUT INSULATION

SCALE: NONE



UPRIGHT SPRINKLER HEAD INSTALLATION

SCALE: NONE



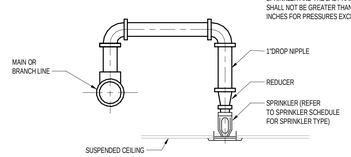
NOTES:

1. SPRINKLER SHALL BE ALIGNED IN A TRUE AXIS LINE IN BOTH DIRECTIONS WITH A MAXIMUM DEVIATION OF 1/2" INCH IN EITHER DIRECTION UON.

SPRINKLER HEAD LOCATION IN 2x2 TILE

SCALE: NONE

NOTE:
THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER ON THE LINE SHALL NOT BE GREATER THAN 36 INCHES OR 12 INCHES FOR PRESSURES EXCEEDING 100 PSI.



SPRINKLER HEAD CONNECTION

SCALE: NONE

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Project Number

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Description

FIRE PROTECTION DETAILS

Scale

NONE

F-300

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MECHANICAL SYMBOL LIST

HVAC DUCTWORK

- SINGLE LINE DUCTWORK OR EQUIPMENT - NEW
- SINGLE LINE DUCTWORK OR EQUIPMENT - EXISTING
- EXISTING DUCTWORK TO BE REMOVED
- DUCTWORK WITH ACOUSTIC LINING
- DUCTWORK UNDER POSITIVE PRESSURE (SUPPLY AIR OR FAN DISCHARGE)
- DUCTWORK UNDER NEGATIVE PRESSURE (RETURN OR OUTSIDE AIR)
- DUCTWORK UNDER NEGATIVE PRESSURE (EXHAUST AIR)
- VD — VOLUME DAMPER
- FD — FIRE DAMPER AND ACCESS DOOR
- BDD — BACKDRAFT DAMPER
- M — AUTOMATIC DAMPER
- SD M — AUTOMATIC SMOKE DAMPER
- FSD M — COMBINATION SMOKE AND FIRE DAMPER WITH ACCESS DOOR
- R — RISE IN DUCTWORK (IN DIRECTION OF AIR FLOW)
- D — DROP IN DUCTWORK (IN DIRECTION OF AIR FLOW)
- ℄ — CENTERLINE
- 𝑓 OR CFM — CUBIC FEET PER MINUTE
- Ø — DIAMETER
- □ — SQUARE FEET
- OVAL DUCTWORK
- CD-A 400 𝑓 — TYPE A CEILING DIFFUSER 400 CFM SUPPLY AIR
- 12x12 CD 400 𝑓 — RECTANGULAR CEILING DIFFUSER WITH 12"x12" NECK 400 CFM SUPPLY AIR
- CR-A 400 𝑓 / CE-A 400 𝑓 — TYPE A CEILING RETURN GRILLE/CEILING EXHAUST GRILLE, 400 CFM RETURN/EXHAUST AIR
- 10x8 CR 300 𝑓 / 10x8 CE 300 𝑓 — 10"x8" CEILING RETURN GRILLE/CEILING EXHAUST GRILLE, 300 CFM RETURN/EXHAUST AIR
- RECTANGULAR DIFFUSER WITH BLANKING PLATE
- 10x8 TRS 150 𝑓 — 10"x6" TOP REGISTER, 150 CFM SUPPLY AIR
- 10x8 TGR 150 𝑓 — 10"x6" TOP REGISTER (TOP GRILLE) 150 CFM RETURN AIR
- 10x8 BGE 150 𝑓 — 10"x6" BOTTOM REGISTER (BOTTOM GRILLE) 150 CFM EXHAUST AIR
- VANED ELBOW (SEE DETAIL)
- VANED ELBOW (SEE DETAIL) OR RADIUS ELBOW
- FLEXIBLE DUCT
- SLOTTED LINEAR DIFFUSER WITH PLENUM
- DUCT FLEXIBLE CONNECTION
- VERTICAL DUCT DROP (IN DIRECTION OF AIR FLOW)
- VERTICAL DUCT RISE (IN DIRECTION OF AIR FLOW)
- VAV-A — VARIABLE AIR VOLUME BOX TYPE A
- VAV-A — VARIABLE AIR VOLUME BOX, TYPE A, WITH REHEAT COIL
- VAV-A — VARIABLE AIR VOLUME BOX, TYPE A, WITH SOUND ATTENUATOR AND REHEAT COIL
- T — THERMOSTAT
- H — HUMIDISTAT
- SD — SMOKE DETECTOR
- CO — CARBON MONOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- R — REFRIGERANT SENSOR
- O2 — OXYGEN SENSOR
- H — HUMIDIFIER
- OAS — OUTSIDE AIR SENSOR
- RPM — ROOM PRESSURE MONITOR
- UC — DOOR UNDERCUT

HVAC EQUIPMENT DESIGNATIONS

XXX-XX-XX
- EQUIPMENT TAG NUMBER
- FLOOR DESIGNATION
- EQUIPMENT DESIGNATION

ACU-2-3
- UNIT NUMBER 3
- SECOND FLOOR
- AIR CONDITIONING UNIT

HVAC PIPING

- NEW PIPE WITH DIRECTION OF FLOW
- EXISTING PIPING
- EXISTING PIPING TO BE REMOVED
- EXISTING PIPING TO BE ABANDONED
- PIPE DROP
- PIPE RISE
- PITCH UP IN DIRECTION OF FLOW
- PITCH DOWN IN DIRECTION OF FLOW
- UNION
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER - FLAT BOTTOM
- ECCENTRIC REDUCER - FLAT TOP
- FLANGED CONNECTION
- FLANGED END - BLIND FLANGE
- EXPANSION LOOP
- PIPE EXPANSION JOINT
- BALL JOINT
- PIPE ALIGNMENT GUIDE
- PIPE ANCHOR
- ISOLATION VALVE, REFER TO SPECIFICATIONS FOR VALVE TYPE
- ANGLE GATE VALVE
- GLOBE VALVE
- ANGLE GLOBE VALVE
- NEEDLE VALVE COCK
- DRAIN VALVE
- LOCK SHIELD VALVE
- CHECK VALVE, SWING OR LIFT
- SILENT CHECK (NON-SLAM) VALVE
- FLEXIBLE CONNECTOR
- SQUARE HEAD COCK
- BALANCING VALVE
- PLUG VALVE (TYPE AS NOTED)
- AUTOMATIC CONTROL VALVE
- THREE-WAY AUTOMATIC CONTROL VALVE
- "Y" TYPE STRAINER WITH BLOWOFF VALVE AND CAP
- THERMOMETER AND WELL
- PRESSURE GAUGE WITH SYPHON
- PUMP
- CWR — CONDENSER WATER RETURN
- CWS — CONDENSER WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CHWS — CHILLED WATER SUPPLY
- HWR — HOT WATER RETURN
- HWS — HOT WATER SUPPLY
- DW — DOMESTIC WATER
- D — DRAIN

HVAC GENERAL

- POINT OF CONNECTION
- POINT OF DISCONNECTION
- DDCP — DIRECT DIGITAL CONTROL PANEL
- NEW STEEL CUT
- EXISTING STEEL CUT
- SECTION DESIGNATION — SHEET No. WHERE SECTION IS SHOWN
- SECTION DESIGNATION — SHEET No. WHERE SECTION IS SHOWN

HVAC CENTRAL PLANT SERVICES

- D — DIESEL ENGINE
- S — STEAM TURBINE
- G — GAS TURBINE
- S G — STEAM TURBINE (CONDENSING)
- A B C — AIR TO AIR FIN HEAT EXCHANGER
- COOLING TOWER
- PROPELLER FAN
- BBD — BOTTOM BLOW DOWN
- BD — BLOW DOWN
- BFW — BOILER FEED WATER
- CA — COMPRESSED AIR
- CBD — CONTINUOUS BLOW DOWN
- CF — CHEMICAL FEED
- COND — CONDENSATE
- DFW — DEAERATOR FEED WATER
- G — GAS SUPPLY
- IA — INSTRUMENT AIR
- SBD — SURFACE BLOWDOWN
- TW — TREATED WATER

HVAC STEAM SERVICES

- R — RELIEF VALVE
- S — SAFETY VALVE
- PRV — PRESSURE REDUCING VALVE
- P — SYPHON
- TRAP (TYPE AS NOTED)
- CV — CONTROL VALVE STATION (SEE DETAIL)
- PRV — PRESSURE REDUCING VALVE STATION (SEE DETAIL)
- LPR — LOW PRESSURE CONDENSATE RETURN
- LPS — LOW PRESSURE STEAM
- HPR — HIGH PRESSURE CONDENSATE RETURN
- HPS — HIGH PRESSURE STEAM
- PC — PUMPED CONDENSATE

MECHANICAL ABBREVIATIONS

A	AMPERES
AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONING
ACCU	AIR COOLED CONDENSING UNIT
ACS	AUTOMATIC CONTROL SYSTEM
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	AFTER FILTER
AFDW	AIR FOIL DOUBLE WIDTH
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MONITORING STATION
AFSW	AIR FOIL SINGLE WIDTH
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMCS	AUTOMATED MONITORING AND CONTROL SYSTEM
AP	ACCESS PANEL
BAD	BOTTOM ANGULAR DISCHARGE
BD	BLOW DOWN
BF	BOOSTER FAN
BFP	BOILER FEED PUMP
BGE	BOTTOM EXHAUST GRILLE
BGR	BOTTOM RETURN GRILLE
BHD	BOTTOM HORIZONTAL DISCHARGE
BHP	BRAKE HORSEPOWER
BIDW	BACKWARD INCLINE DOUBLE WIDTH
BISW	BACKWARD INCLUDE SINGLE WIDTH
BMS	BUILDING MANAGEMENT SYSTEM
BRS	BOTTOM SUPPLY REGISTER
BT	BOTTOM THROAT
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
C	CONVERTOR
CAC	CONTROL AIR COMPRESSOR
CC	COOLING COIL
CCP	CENTRAL CONTROL PANEL
CCW	COUNTER CLOCKWISE
CD	CEILING DIFFUSER
CFFC	CAP FOR FUTURE CONNECTION
CFM	CUBIC FEET PER MINUTE
CFP	CHEMICAL FEED PUMP
CG	CEILING GRILLE
CH	CHILLER
CHWP	CHILLED WATER PUMP
CLG	CEILING
CO	CLEAN-OUT DOOR
COD	CABLE OPERATED DAMPER
COMPR	COMPRESSOR
COND	CONDENSATE
COV	CHAIN OPERATED VALVE
CP	CONDENSATE PUMP
CPA	CONTROL POINT ADJUSTMENT
CPU	CONDENSATE PUMP UNIT
CR	CEILING REGISTER
CT	COOLING TOWER
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
CW	CLOCKWISE
CWP	CONDENSER WATER PUMP
°C	DEGREES CENTIGRADE (CELSIUS)
D	DROP
DB	DRY BULB
DBD	DOWN BLAST DISCHARGE
DF	DUCT FURNACE UNIT
DFWP	DEARATOR FEED WATER PUMP
DG	DIESEL GENERATOR
DHW	DOMESTIC HOTER WATER
DMPR	DAMPER
DN	DOWN
DOP	DIESEL OIL PUMP
DWG	DRAWING
DX	DIRECT EXPANSION
ø,DIAM	DIAMETER
(E)	EXISTING TO REMAIN
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED & RELOCATED
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EDR	EQUIVALENT DIRECT RADIATION
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB
EWT	ENTERING WET TEMPERATURE
EXH	EXHUAST
EXIST	EXISTING
EXP	EXPANSION
F	FILTER
F&T	FLOAT AND THERMOSTATIC
FA	FREE AREA (SQ.FT.)
FC	FLEXIBLE CONNECTION
FCDW	FORWARD CURVED DOUBLE WIDTH
FCSW	FORWARD CURVED SINGLE WIDTH
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FF	FINAL FILTER
FG	FINISHED GRADE
FIN FL	FINISHED FLOOR
FLA	FULL LOAD AMPERES
FOP	FUEL OIL PUMP
FOT	FUEL COIL TANK
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FR	FLOOR REGISTER
FT	FEET
FTR	FINNED TUBE RADIATION
FV	FACE VELOCITY
FX	FUME HOOD EXHAUST
°F	DEGREES FAHRENHEIT
G	GAUGE
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GX	GENERAL EXHAUST
H	HUMIDIFIER
HALX	HALON EXHAUST
HC	HEATING COIL
HD	HEAD
HR	HOUR
HRC	HEAT RECOVERY COIL
HT	HEIGHT
HTWP	HIGH TEMPERATURE WATER PUMP
HV	HEATING AND VENTILATING
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
HZ	FREQUENCY
IN	INCH OR INCHES
IPS	IRON PIPE SIZE
KW	KILOWATT
KX	KITCHEN RANGE HOOD EXHAUST
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LCP	LOCAL CONTROL PANEL
LD	LINEAR DIFFUSER
LDB	LEAVING DRY BULB TEMPERATURE
LF, LIN.FT.	LINEAR FEET
LR	LINEAR RETURN
LRA	LOCKED ROTOR AMPS
LV	LOW VELOCITY
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	THOUSAND BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MER	MECHANICAL EQUIPMENT ROOM
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MM	MILLIMETER
MOT	MOTOR
MOV	MOTOR OPERATED VALVE
MX	MECHANICAL ROOM EXHAUST
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OED	OPEN END DUCT
OV	OUTLET VELOCITY
P	PUMP
PCC	PRE-COOLING COIL
PD	PRESSURE DROP
PF	PRE-FILTER
PHC	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
(RE)	RELOCATED EXISTING
(RRO)	EXISTING TO REMOVED AND RETURN TO OWNER
R	RISE
RA	RETURN AIR
RAD	RADIATION
RCC	RECOOLING COIL
REFR	REFRIGERANT
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHWP	REHEAT WATER PUMP
RLA	RUNNING LOAD AMPS
RLFA	RELIEF AIR
RM	ROOM
ROT	ROTATION
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAU	SOUND ATTENUATION UNIT
SCHWP	SECONDARY CHILLED WATER PUMP
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SHWP	SECONDARY HOT WATER PUMP
SLD	STRIPLINE DIFFUSER
SMK.CTL.	SMOKE CONTROL OPERATION
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ.FT.	SQUARE FEET
SS	STAINLESS STEEL
SX	SMOKE EXHAUST
T	THROAT
TAD	TOP ANGULAR DISCHARGE
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TF	TERMINAL FILTER
TG	TOP GRILLE
TGE	TOP EXHAUST GRILLE
TGR	TOP RETURN GRILLE
THD	TOP HORIZONTAL DISCHARGE
TR	TOP REGISTER
TRD	TRANSFER DUCT
TRF	TRANSFER FAN
TRG	TRANSFER GRILLE
TRS	TOP SUPPLY REGISTER
TS	TIP SPEED
TT	TOP THROAT
TV	TURNING VANES
TX	TOILET EXHAUST
TYP	TYPICAL
UBD	UPBLAST DISCHARGE
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VENTILATION AIR
VAC	VACUUM
VAV	VARIABLE AIR VOLUME UNIT
VF	VENTILATION FAN
VFD	VARIABLE FREQUENCY DRIVE
VIV	VARIABLE INLET VANES
VP	VACUUM PUMP
W	WIDTH
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WP	WORKING PRESSURE
WSP	WORKING STEAM PRESSURE

MECHANICAL DEMOLITION NOTES

1. ALL PIPING IN WALLS AND FLOORS NOT TO BE REUSED WILL BE PLUGGED OR CAPPED AND CUTTING AND PATCHING WILL BE PERFORMED TO RESTORE SURFACE TO ORIGINAL CONDITION BY THIS CONTRACTOR.
2. AFTER REMOVING PIPE THROUGH THE FLOOR SLABS, PACK OPENING WITH APPROVED FIRE-RATED PACKING.
3. THE CONTRACTOR SHALL INCLUDE IN THEIR PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF HVAC WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.
4. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING HVAC SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
5. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
6. THE CONTRACTOR SHALL REMOVE ALL DUCT & PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS NECESSARY.
7. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
8. PORTIONS OF PIPING & DUCTWORK TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.
9. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
10. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE HVAC CONTRACTOR, AS DIRECTED BY THE OWNER.
11. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
12. THE SHUTDOWN OF EXISTING BUILDING HVAC SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.
13. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL STATE & LOCAL REQUIREMENTS REGARDING DISPOSAL OF REFRIGERANTS.

MECHANICAL GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
2. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
3. DRAWINGS ARE DIAGRAMMATIC. DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.
4. COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
5. NEITHER ACCURACY NOR COMPLETION OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
6. MANUFACTURERS MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
7. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS RECOMMENDATIONS.
8. PROVIDE ACCESS PANELS FOR EQUIPMENT FOR INSPECTION AND SERVICE. ACCESS PANEL SHALL BE SIZED TO PERMIT REPLACEMENT OF EQUIPMENT.
9. PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE.
10. SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH EXISTING OPERATIONS IN THE FACILITY.
11. COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS. MECHANICAL CONTRACTOR TO NOTIFY OWNER PRIOR TO STARTING WORK TO VERIFY COMPLIANCE WITH BOND AND WARRANTY OF EXISTING ROOF.
12. RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS.
13. INSTALL THERMOSTATS AT ADA HEIGHT ABOVE FINISHED FLOOR OR AS DIRECTED OTHERWISE BY ARCHITECT.
14. STRUCTURAL WELDING SHALL BE CONTINUOUS 1/4" FILLET UNLESS REQUIRED OTHERWISE.

AIR SYSTEMS:

15. AIR SYSTEMS REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
16. INTERNAL AIRFLOW DIMENSIONS ARE SHOWN FOR DUCTS. INCREASE DUCT SIZE AS NECESSARY TO MAINTAIN FREE FLOW AREA INDICATED.
17. USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
18. DIFFUSER SIZES SHOWN ARE NECK SIZES. REGISTERS AND GRILLE SIZES ARE NOMINAL.
19. PROVIDE VOLUME DAMPERS OR OTHER APPROVED BALANCING DEVICES AT DUCT BRANCHES AND RUN OUTS, AND AT REGISTER GRILLE AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN OR NOT.
20. PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.
21. VAV DUCT INLET/OUTLET SIZE SHALL BE AS SCHEDULED OR AS INDICATED ON THE FLOOR PLANS. PROVIDE TRANSITION FROM DUCT SIZE INDICATED ON THE FLOOR PLANS TO VAV BOX INLETS.

PIPING SYSTEMS:

22. PITCH PIPING 1" IN 20' IN DIRECTION OF FLOW.
23. PROVIDE TRAPS IN CONDENSATE LINES THAT EXTEND OVER 2'.
24. FLEXIBLE DUCTWORK TO BE LIMITED TO 6" LENGTHS.

MECHANICAL DRAWING LIST

DRAWING No.	DRAWING TITLE
M-000	MECHANICAL COVER SHEET
DM-100	MECHANICAL DEMOLITION PLAN
M-101.0	MECHANICAL FLOOR PLAN 0
M-101.1A	MECHANICAL FLOOR PLAN 1A
M-101.1B	MECHANICAL FLOOR PLAN 1B
M-101.2	MECHANICAL FLOOR PLAN 2
M-110E	MECHANICAL FLOOR PLAN
M-110W	MECHANICAL FLOOR PLAN
M-201.0	MECHANICAL FLOOR PLAN 0
M-201.1A	MECHANICAL FLOOR PLAN 1A
M-201.1B	MECHANICAL FLOOR PLAN 1B
M-201.2	MECHANICAL FLOOR PLAN 2
M-210	MECHANICAL FLOOR PLAN
M-300	MECHANICAL SCHEDULES
M-301	MECHANICAL AIRFLOW DIAGRAM
M-400	MECHANICAL DETAILS
M-401	MECHANICAL DETAILS
M-402	MECHANICAL DETAILS

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Tel 212.382.2100

Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
MECHANICAL COVER SHEET

Scale
NONE

M-000

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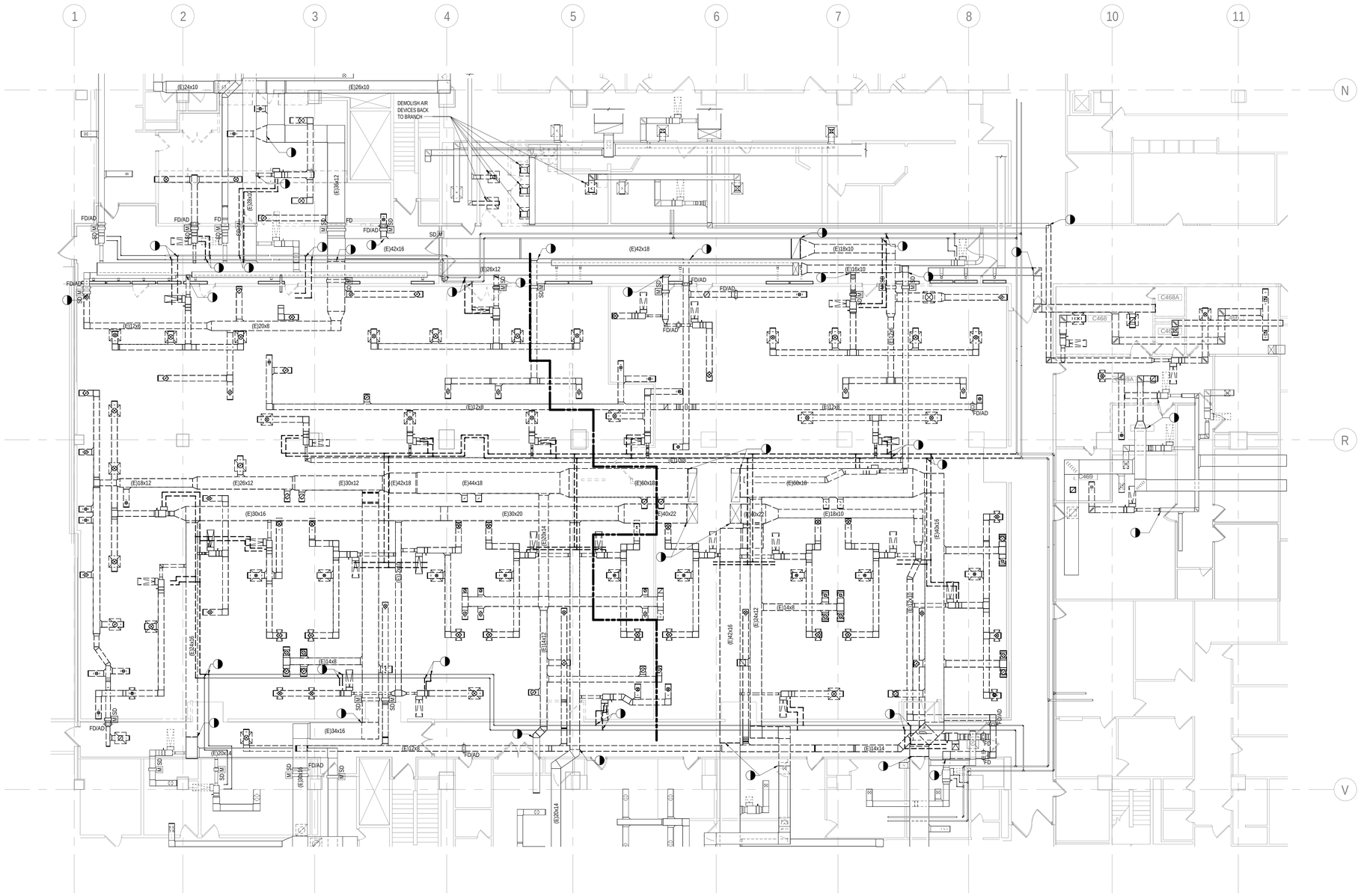
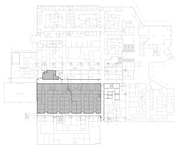
DRAWING NOTES:

1. ALL DUCTS WITH REMOVED BRANCHES ARE TO BE CAPPED AT THE DISCONNECT POINTS.
2. ALL DISCONNECTED PIPING SHALL BE CAPPED AT THE DISCONNECT POINTS.



1 LEVEL C PHASE 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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Project Number
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Description
MECHANICAL DEMOLITION PLAN
LEVEL C - PHASE 1

Scale
1/8" = 1'-0"

DM-100

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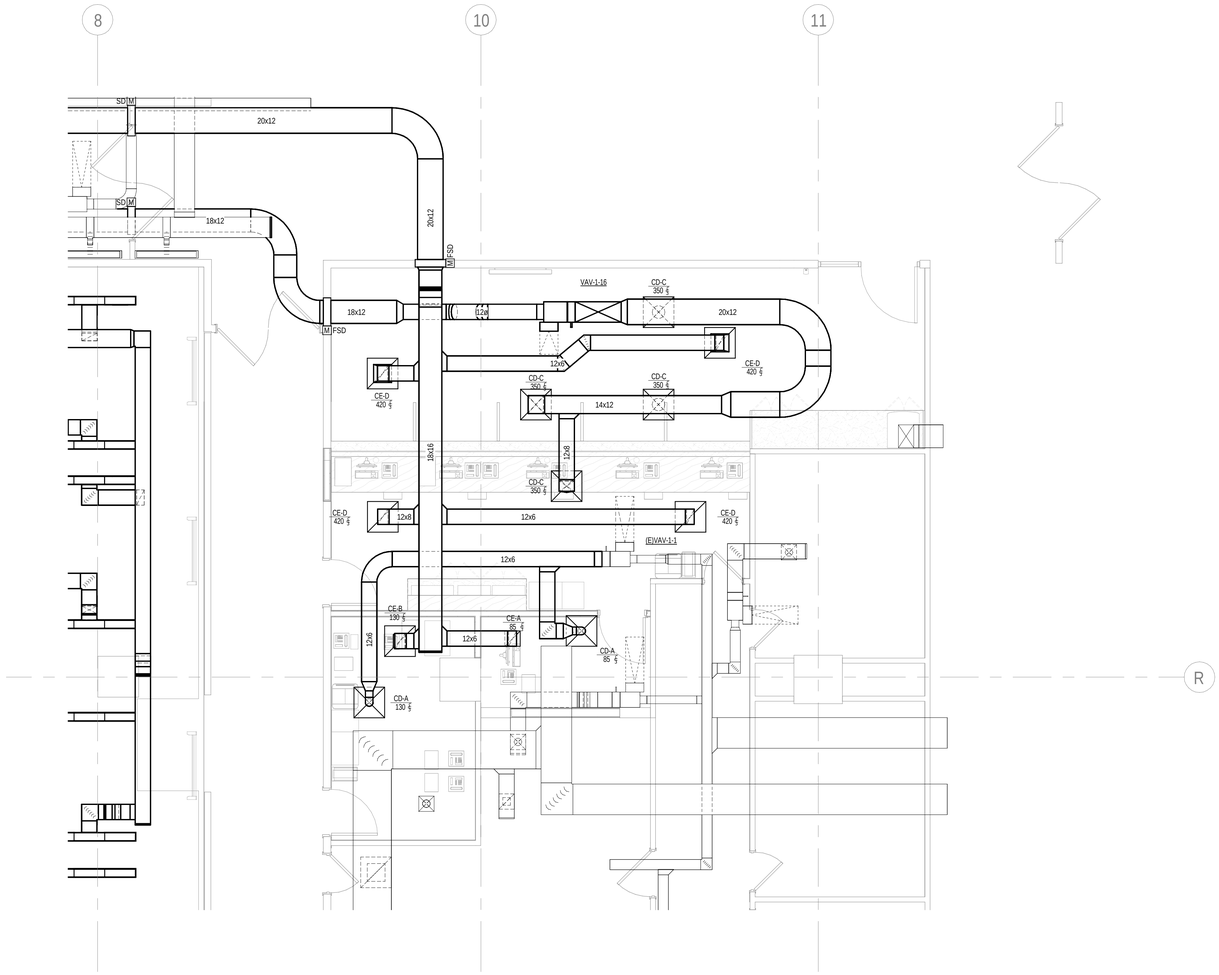
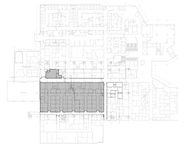
DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-I-16	VAV-H	1400	1425	1425	3.1	2	No	Yes



2 LEVEL C PHASE 1 - DUCTWORK - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
MECHANICAL FLOOR PLAN 0
LEVEL C PHASE 1 - DUCTWORK - RADIOLOGY

Scale
1/4" = 1'-0"

M-101.0

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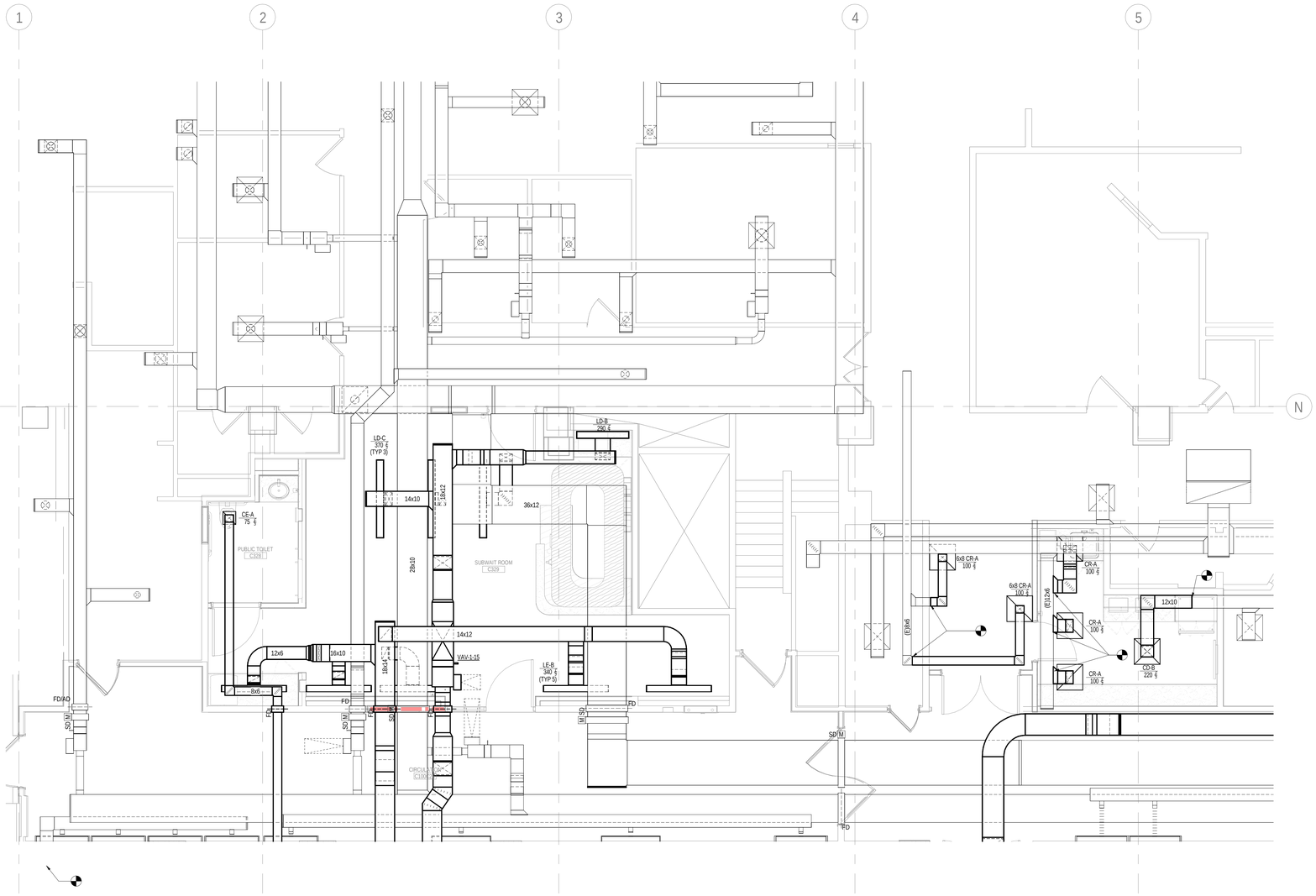
DRAWING NOTES:

1. NEW CONNECTIONS TO EXISTING BRANCHES SHALL BE CONNECTED AT ASSOCIATED EXISTING CAPS. ALL CAPS ON EXISTING DUCTWORK SHALL OTHERWISE REMAIN.

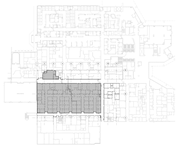
DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-15	VAV-I	1425	1425	1425	0.5	2	No	Yes



2 LEVEL C PHASE 1 - DUCTWORK - WAITING ROOM

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

KEY PLAN



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EMERGENCY DEPARTMENT EXPANSION

Project Number

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Description

MECHANICAL FLOOR PLAN 1A
LEVEL C PHASE 1 - DUCTWORK - WAITING ROOM

Scale

1/4" = 1'-0"

M-101.1A

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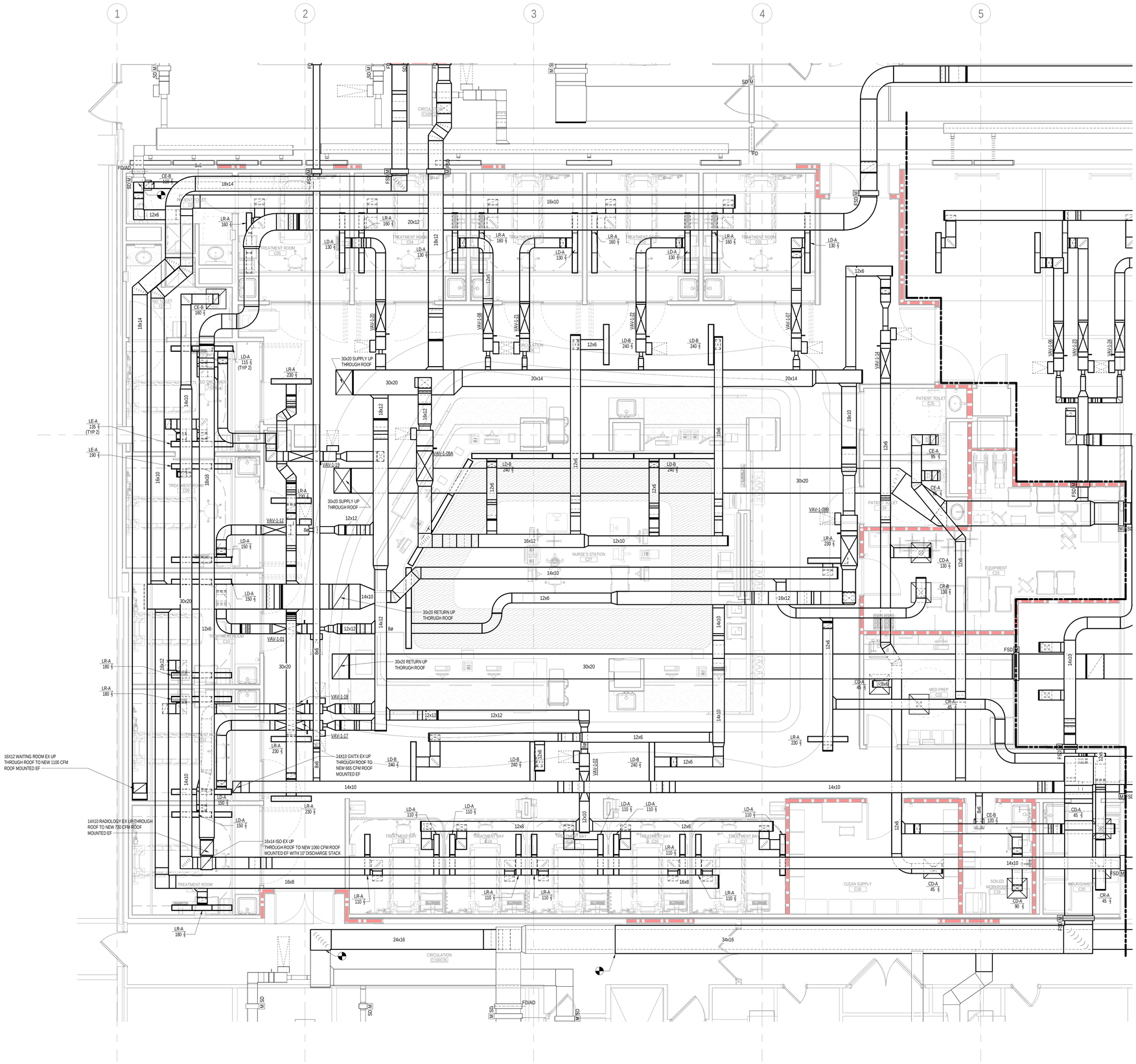
DRAWING NOTES:

1. NEW CONNECTIONS TO EXISTING BRANCHES SHALL BE CONNECTED AT ASSOCIATED EXISTING CAPS. ALL CAPS ON EXISTING DUCTWORK SHALL OTHERWISE REMAIN.

DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-01	VAV-A	150	150	400	0.5	1	No	Yes
VAV-1-02	VAV-E	550	470	470	0.8	2	No	Yes
VAV-1-07	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-08	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-09A	VAV-I	1645	1645	1645	2.6	2	No	Yes
VAV-1-09B	VAV-I	1645	1645	1645	2.6	2	No	Yes
VAV-1-12	VAV-A	150	150	150	0.5	1	No	Yes
VAV-1-14	VAV-C	310	270	270	0.5	2	No	Yes
VAV-1-17	VAV-A	150	150	150	0.5	1	No	Yes
VAV-1-18	VAV-A	150	150	150	0.5	1	No	Yes
VAV-1-19	VAV-C	230	230	230	0.5	2	No	Yes
VAV-1-20	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-21	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-22	VAV-A	130	130	130	0.4	1	No	Yes



2 LEVEL C PHASE 1 - DUCTWORK - EMERGENCY DEPARTMENT

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

KEY PLAN

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EMERGENCY DEPARTMENT EXPANSION

Project Number

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Description

MECHANICAL FLOOR PLAN 1B

LEVEL C PHASE 1 - DUCTWORK - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

M-101.1B

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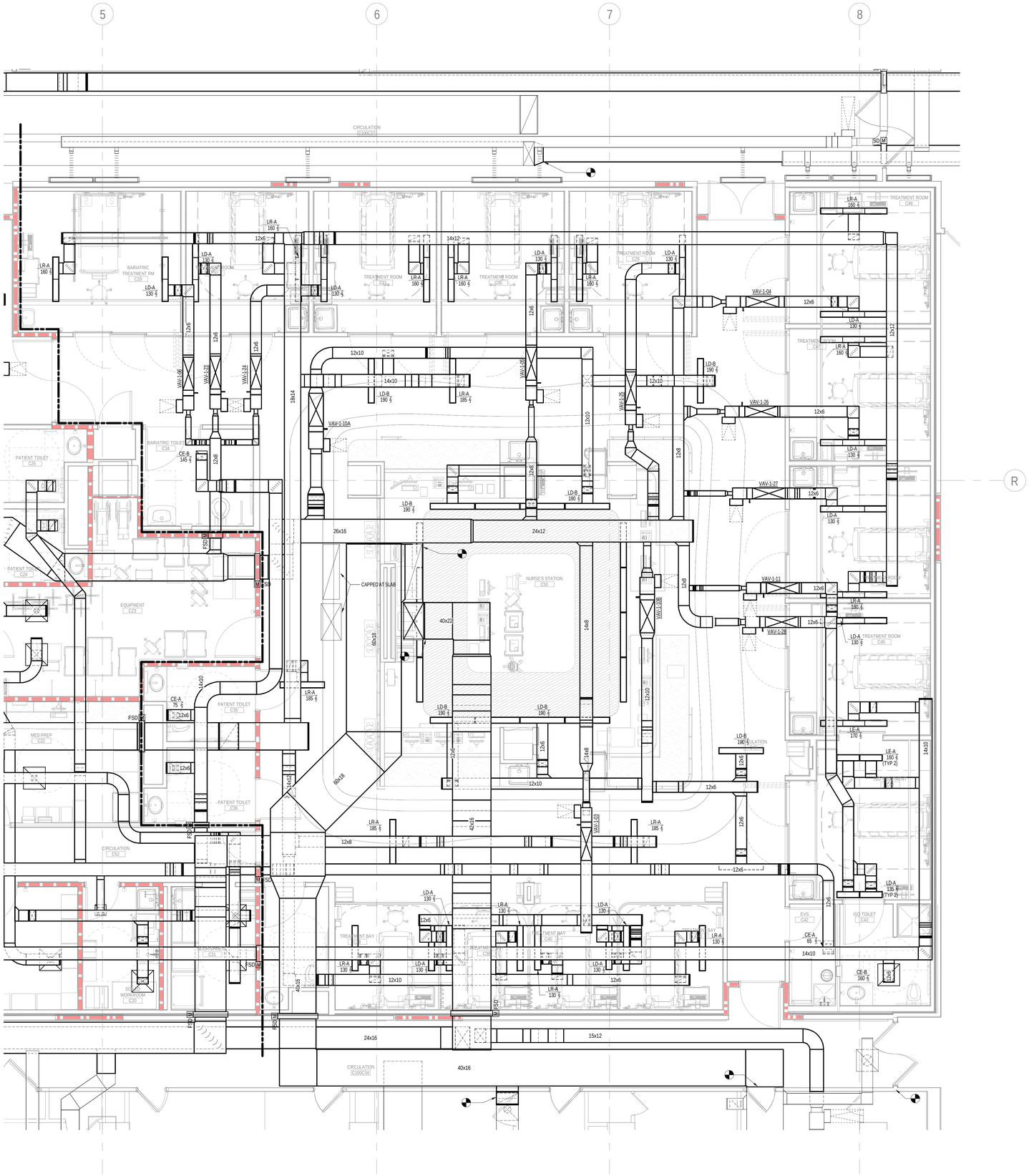
DRAWING NOTES:

1. NEW CONNECTIONS TO EXISTING BRANCHES SHALL BE CONNECTED AT ASSOCIATED EXISTING CAPS. ALL CAPS ON EXISTING DUCTWORK SHALL OTHERWISE REMAIN.

DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-03	VAV-E	520	470	470	0.8	2	No	Yes
VAV-1-04	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-05	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-06	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-10A	VAV-H	1275	1275	1275	2.4	2	No	Yes
VAV-1-10B	VAV-H	1275	1275	1275	2.4	2	No	Yes
VAV-1-11	VAV-A	130	110	110	0.4	1	No	Yes
VAV-1-23	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-24	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-25	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-26	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-27	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-28	VAV-C	270	270	270	0.5	2	No	Yes



1 LEVEL C PHASE 2 - DUCTWORK - EMERGENCY DEPARTMENT

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

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MECHANICAL FLOOR PLAN 2
LEVEL C PHASE 2 - DUCTWORK - EMERGENCY DEPARTMENT

Scale

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M-101.2

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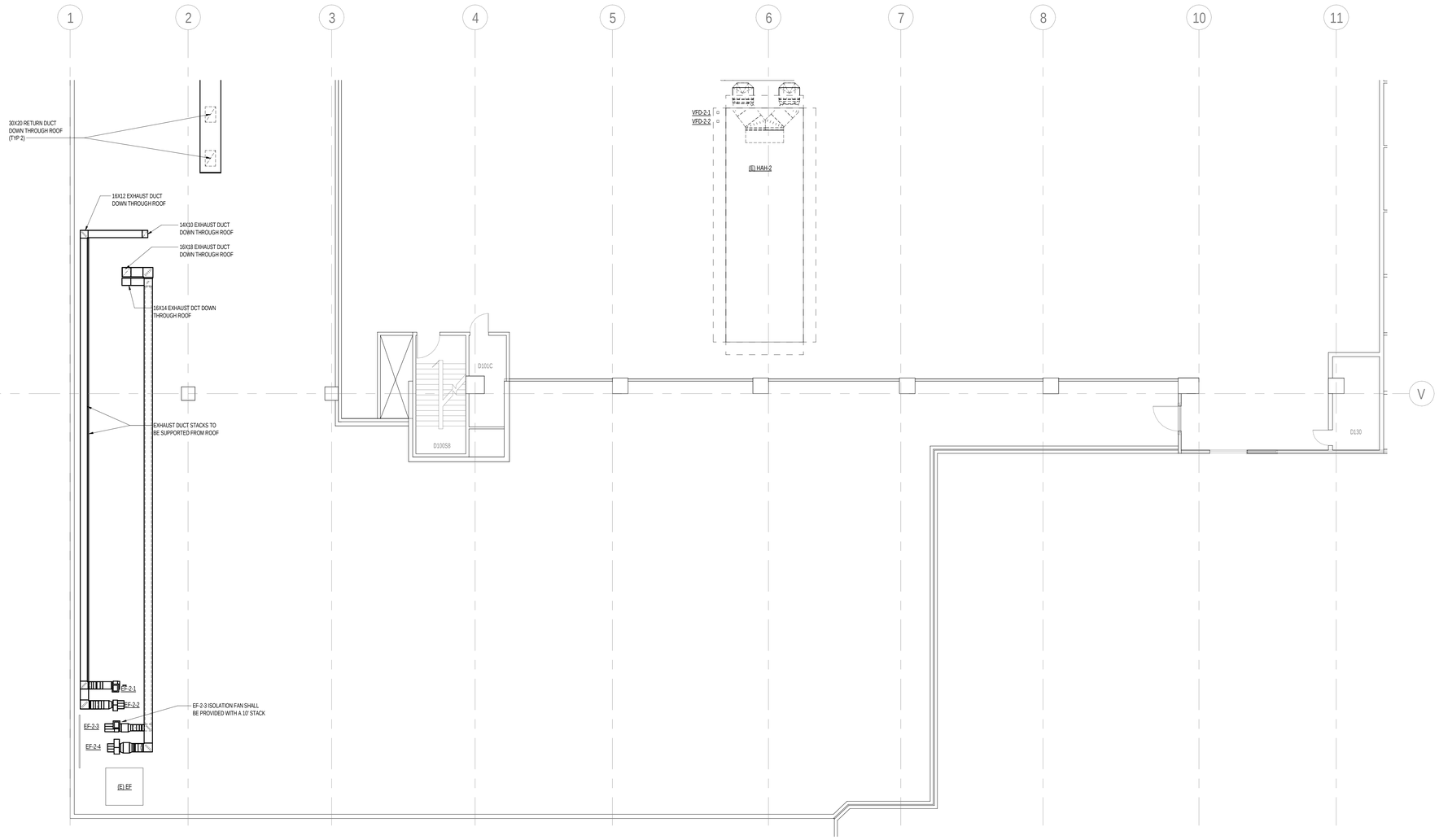

1 LEVEL D PHASE 1 - DUCTWORK - EAST
SCALE: 1/8" = 1'-0"

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Description
MECHANICAL FLOOR PLAN
LEVEL D PHASE 1 - DUCTWORK - EAST

Scale
1/8" = 1'-0"

M-110E

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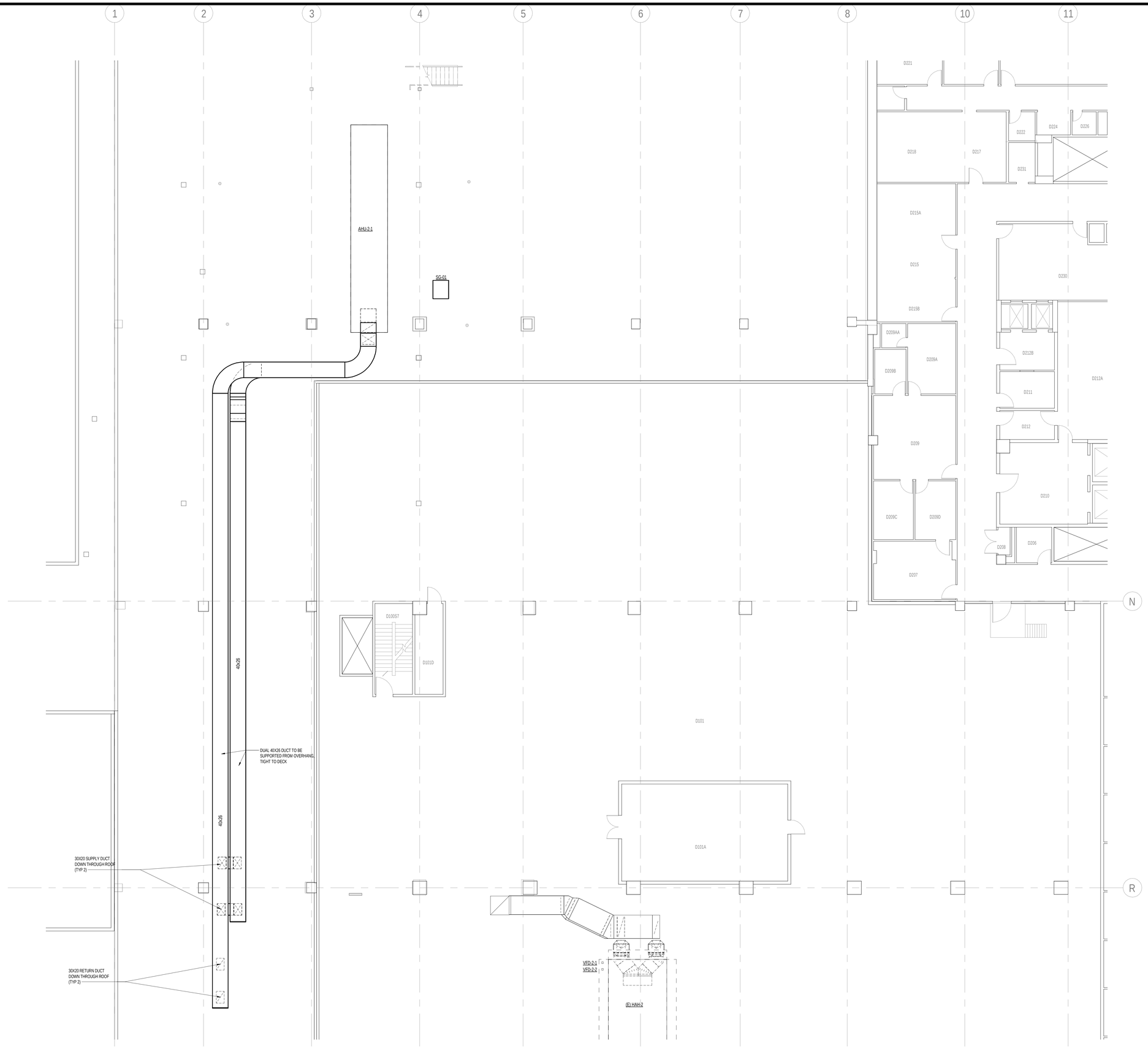
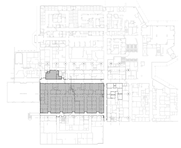


1 LEVEL D PHASE 1 - DUCTWORK - WEST
SCALE: 1/8" = 1'-0"

KEY PLAN



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Description

MECHANICAL FLOOR PLAN
LEVEL D PHASE 1 - DUCTWORK - WEST

Scale

1/8" = 1'-0"

M-110W

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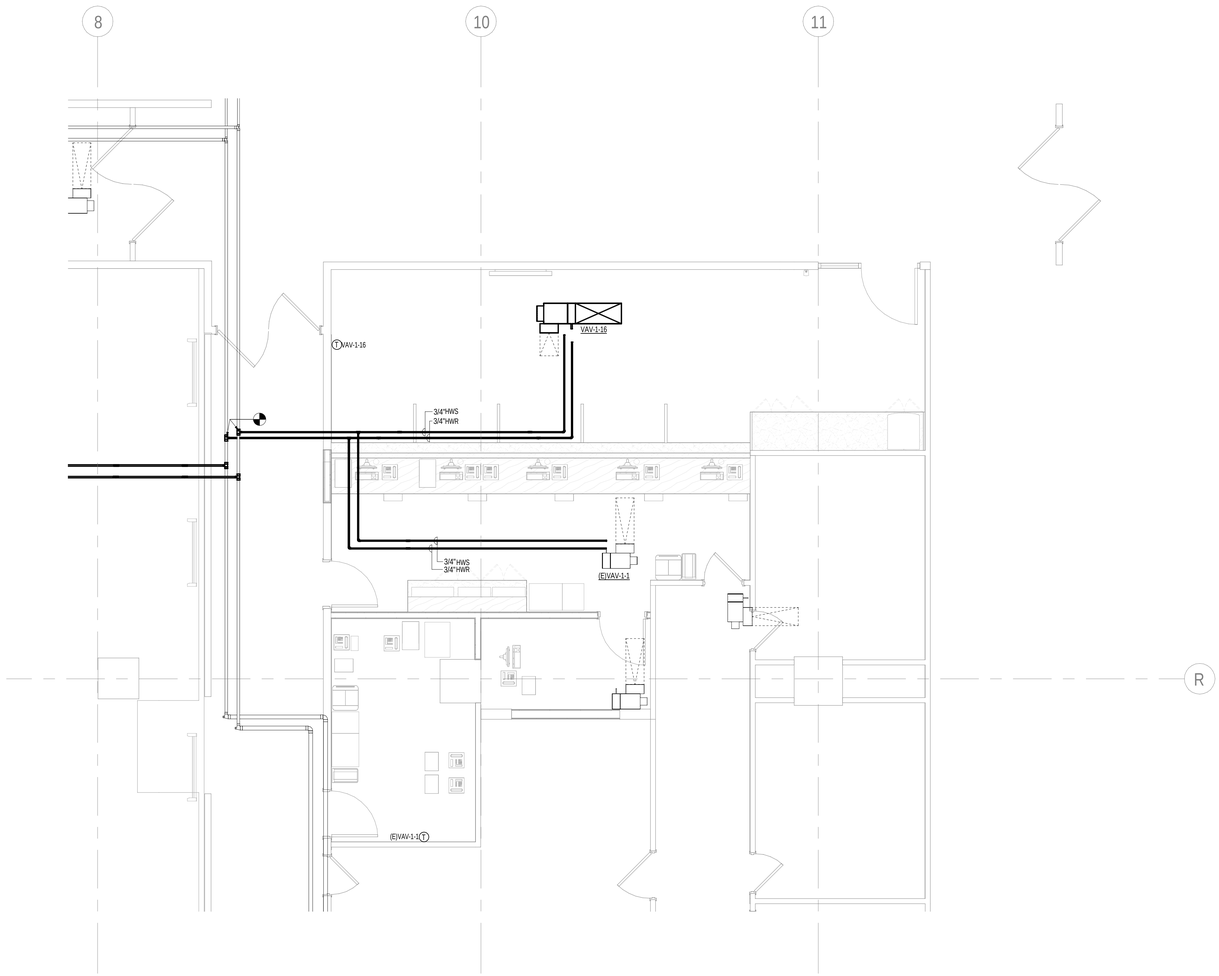
DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-16	VAV-H	1400	1425	1425	3.1	2	No	Yes



1 LEVEL C PHASE 1 - PIPING - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
MECHANICAL FLOOR PLAN 0
LEVEL C PHASE 1 - PIPING - RADIOLOGY

Scale
1/4" = 1'-0"

M-201.0

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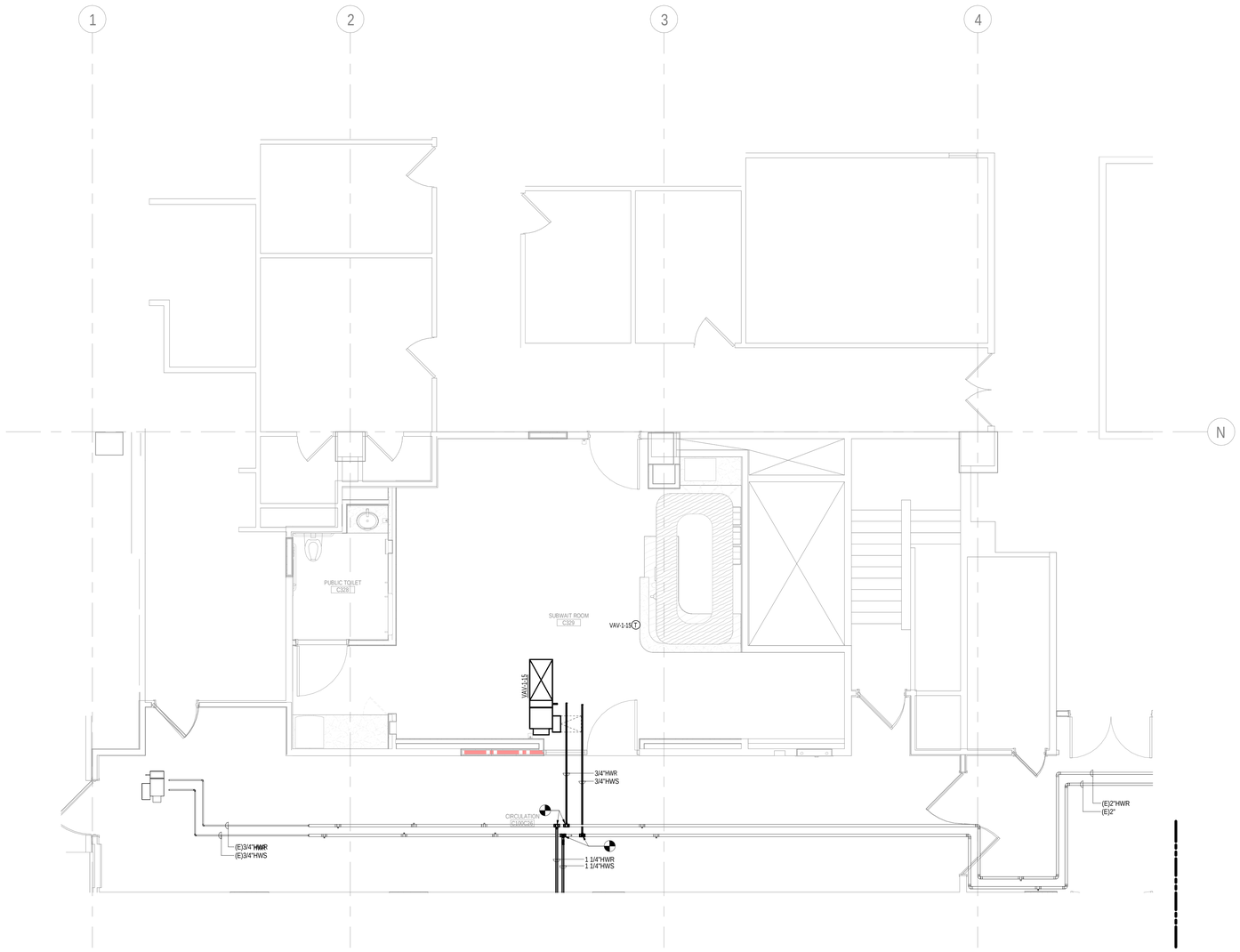
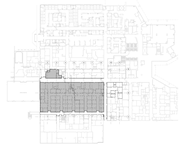
DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-15	VAV-I	1425	1425	1425	0.5	2	No	Yes



1 LEVEL C PHASE 1 - PIPING - WAITING ROOM
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Number
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Description
MECHANICAL FLOOR PLAN 1A
LEVEL C PHASE 1 - PIPING - WAITING ROOM

Scale
1/4" = 1'-0"

M-201.1A

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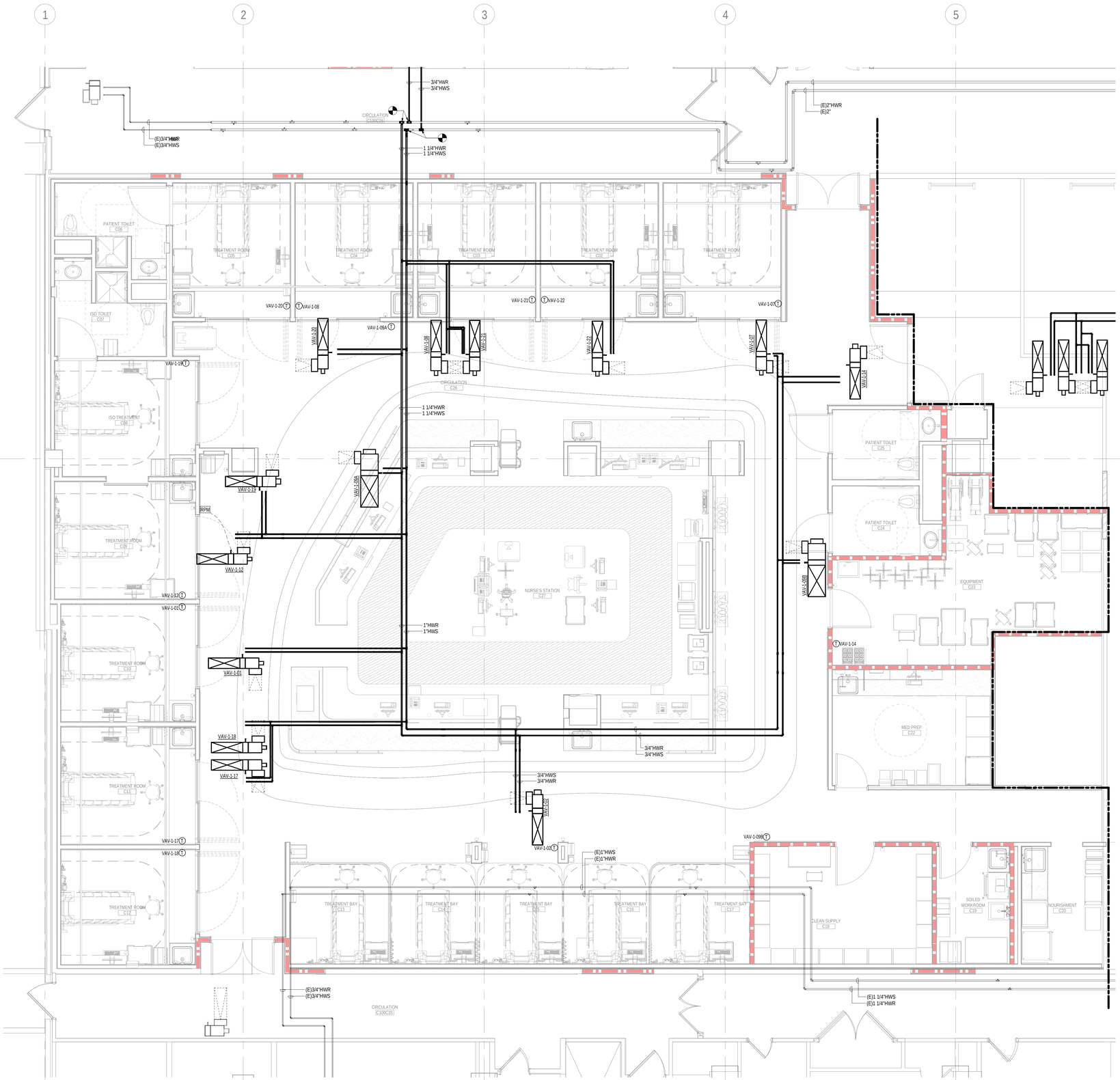
DRAWING NOTES:

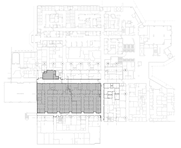
1. ALL UNTAGGED PIPING SHALL BE ASSUMED AS 3/4".

DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-01	VAV-A	150	150	400	0.5	1	No	Yes
VAV-1-02	VAV-E	550	470	470	0.8	2	No	Yes
VAV-1-07	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-08	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-09A	VAV-I	1645	1645	1645	2.6	2	No	Yes
VAV-1-09B	VAV-I	1645	1645	1645	2.6	2	No	Yes
VAV-1-12	VAV-A	150	150	150	0.5	1	No	Yes
VAV-1-14	VAV-C	310	270	270	0.5	2	No	Yes
VAV-1-17	VAV-A	150	150	150	0.5	1	No	Yes
VAV-1-18	VAV-A	150	150	150	0.5	1	No	Yes
VAV-1-19	VAV-C	230	230	230	0.5	2	No	Yes
VAV-1-20	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-21	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-22	VAV-A	130	130	130	0.4	1	No	Yes



1 LEVEL C PHASE 1 - PIPING - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Name
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Project Number
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Description
MECHANICAL FLOOR PLAN 1B
LEVEL C PHASE 1 - PIPING - EMERGENCY DEPARTMENT

Scale
1/4" = 1'-0"

M-201.1B

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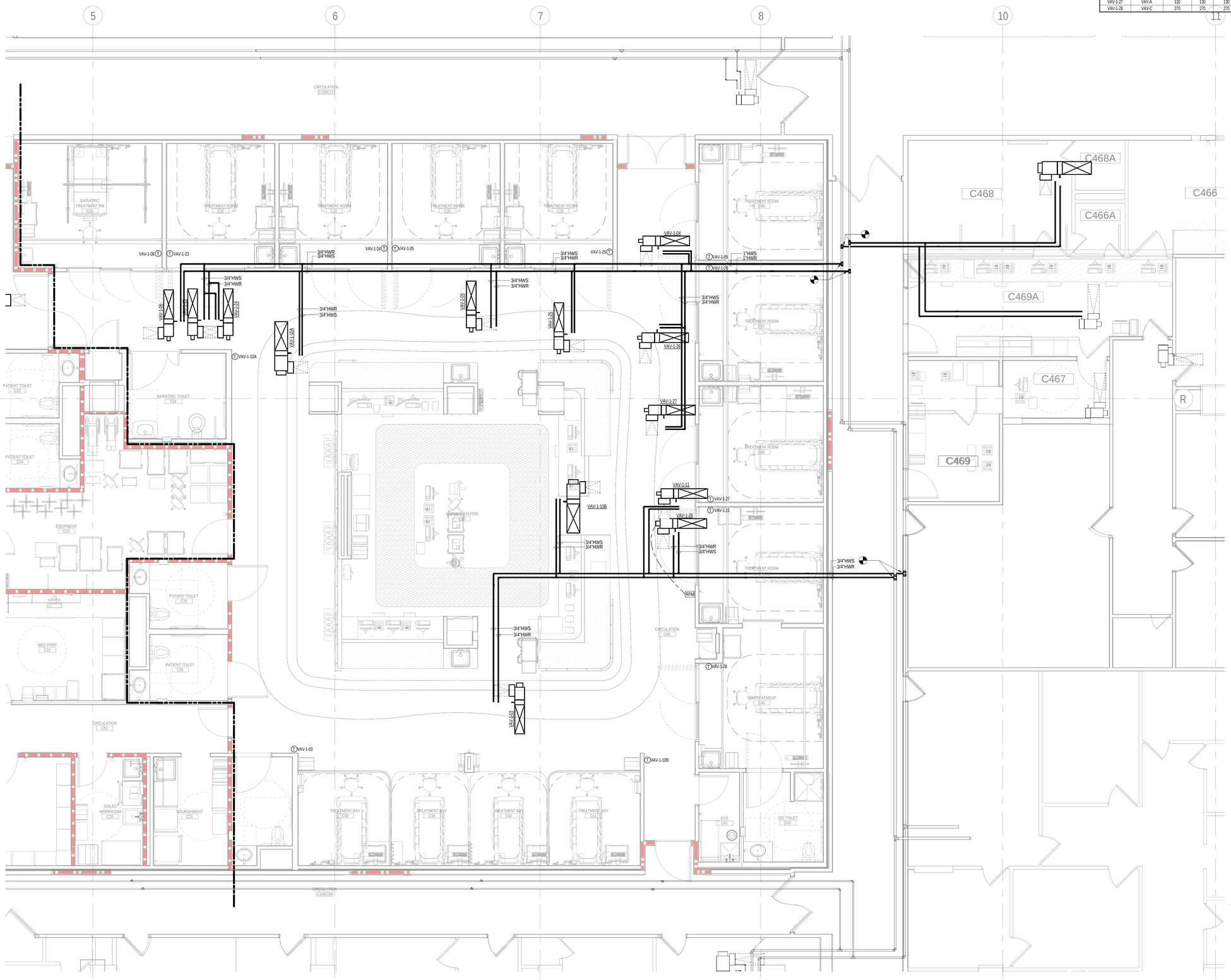
DESIGNATION	UNIT SIZE	CFM			GPM	No. OF ROWS	INTEGRAL SOUND ATTENUATOR?	EXTERNAL SOUND ATTENUATOR?
		MAX	MIN	HEATING				
VAV-1-03	VAV-E	520	470	470	0.8	2	No	Yes
VAV-1-04	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-05	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-06	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-10A	VAV-H	1275	1275	1275	2.4	2	No	Yes
VAV-1-10B	VAV-H	1275	1275	1275	2.4	2	No	Yes
VAV-1-11	VAV-A	130	110	110	0.4	1	No	Yes
VAV-1-23	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-24	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-25	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-26	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-27	VAV-A	130	130	130	0.4	1	No	Yes
VAV-1-28	VAV-C	270	270	270	0.5	2	No	Yes



1 LEVEL C PHASE 2 - PIPING - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

KEY PLAN

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Project Number
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Description
MECHANICAL FLOOR PLAN 2
LEVEL C PHASE 2 - PIPING - EMERGENCY DEPARTMENT

Scale
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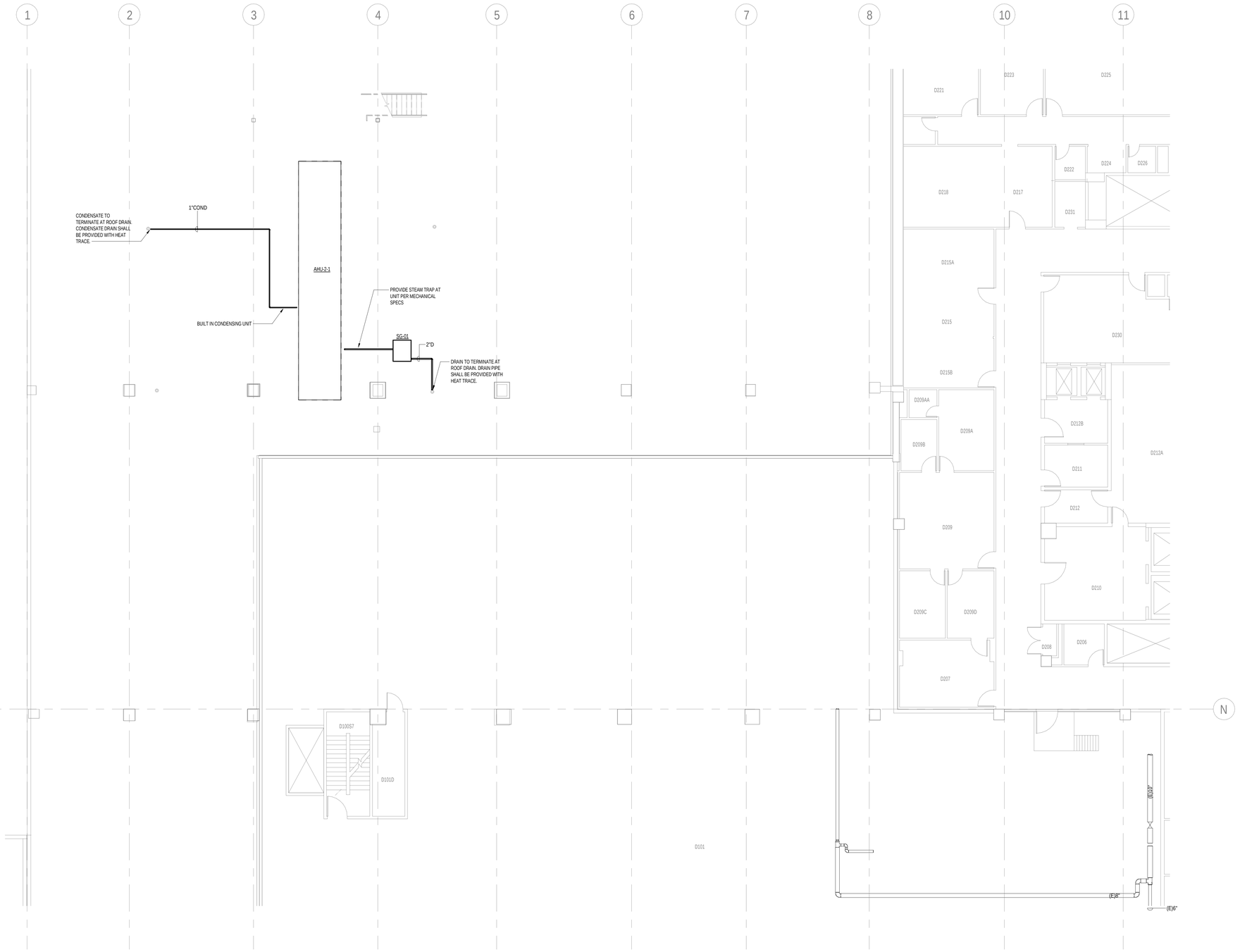

1 LEVEL D PHASE 1 - PIPING
SCALE: 1/8" = 1'-0"

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230625

Description
MECHANICAL FLOOR PLAN
LEVEL D PHASE 1 - PIPING

Scale
1/8" = 1'-0"

M-210

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CUSTOM AIR HANDLING UNIT SCHEDULE

NOTES:

1.UNIT SHALL BE CAPABLE OF PROVIDING FULL FLOW WITH 1 DISABLED FAN.
2. COIL CAPACITY BASED ON 100% OUTDOOR AIR OPERATION IN ALL SEASONS
3. SUPPLY AND RETURN FANWALLS SHALL BOTH BE PROVIDED WITH REDUNDANT VFD.
4. UNITS TO BE CONNECTED TO EXISTING JCI BMS SYSTEM.

UNIT No.	LOCATION	SERVICE	UNIT AIR FLOW: TOTAL SUPPLY	UNIT AIR FLOW: MINIMUM OUTSIDE AIR
AHU-2-1	02-D-ROOF	NEW ED RENOVATION	13000 CFM	4000 CFM

UNIT No.	SUPPLY FAN DATA: ESP	TOTAL SP	FAN DATA: QUANTITY	AIR FLOW (EA)	FAN TYPE	FAN RPM	MOTOR DATA: HP (EA)	BHP (EA)	FLA (EA)	DRIVE TYPE	STARTER TYPE	RPM	VOLTS	PHASE	FREQUENCY
AHU-2-1	2.5 in-wg	6.99 in-wg	4	5000 CFM	HPF-A100	3930	7.5	7.1	9	DIRECT	VFD	3500	460 V	3	60 Hz

UNIT No.	EXHAUST FAN DATA: TOTAL EXHAUST AIR FLOW	ESP	TOTAL SP	FAN DATA: QUANTITY	AIR FLOW (EA)	TYPE	FAN RPM	MOTOR DATA: HP (EA)	BHP (EA)	FLA (EA)	DRIVE TYPE	STARTER TYPE	RPM	VOLTS	PHASE	FREQUENCY
AHU-2-1	8280 CFM	1.5 in-wg	2.93 in-wg	3	4200 CFM	HPF-A100	2095	2 hp	1.91 hp	3	DIRECT	VFD	1750	460 V	3	60 Hz

UNIT CONT'D

AIR-COOLED COOLING COIL DATA: CAPACITY (MBH) TOTAL	SENSIBLE	COOLING COIL DATA: MAX AIR PD	FACE AREA	MAX. FACE VEL.	MAX FPI	No. OF ROWS	EDB	EWB	LDB	LWB
770	450	0.82 in-wg	27 SF	490 FPM	12	6	85 °F	71 °F	52.6 °F	52.5 °F

COMPRESSOR DATA: QUANTITY	TYPE	AMPS (EA)	CONDENSER DATA: QUANTITY	FLA	REFRIGERANT TYPE	EER	HEAT PUMP DATA: CAPACITY	ENTERING DB	LEAVING DB	AMBIENT TEMPERATURE
4		23.7	6	4	R-410A	14.3	407859 Btu/h	42.5 °F	76.3 °F	15 °F

UNIT ELECTRICAL DATA: LOADS APPARENT LOAD	MCA	MOP	VOLTS	PHASE	HZ	ELECTRIC HEAT DATA: COIL DATA CAPACITY	No. OF STEPS/ SCR
397000 VA	490	600	460	3	60	227 kW	SCR

UNIT CONT'D

ENERGY RECOVERY WHEEL DATA: TOTAL EFFICIENCY	AIRFLOW: SUPPLY	RETURN	FACE VELOCITY: SUPPLY AIR	EXHAUST AIR	PRESSURE DROP: SUPPLY	EXHAUST	WINTER: OA DB	OA WB	SA DB	SA WB	RA DB	RA WB	EA DB	EA WB	RECOVERED MBH
79.7%	13000 CFM	8280 CFM	970 FPM	620 FPM	1.05 in-wg	0.73 in-wg	0 °F	0 °F	35.1 °F	30.4 °F	68 °F	51.5 °F	12.9 °F	12.9 °F	597.1

ELECTRICAL DATA: MOTOR HP	VOLTS	PHASE	FREQUENCY	MANUFACTURER	MODEL
0.5 hp	460 V	3	60 Hz	INNERGYTECH	I4-MS3A-70-09

STEAM HUMIDIFIER DATA: AIR FLOW	TEMPERATURES: EDB	EWB	LDB	LWB	LB/HR FLOW RATE	STEAM PRESSURE	FINAL RH	INJECTION TUBE DATA: QUANTITY	MODEL No.	LENGTH	WIDTH	HEIGHT	ABSORBTION DISTANCE	VELOCITY	MANUFACTURER	MODEL
13000	55 °F	37 °F	55 °F	47.6 °F	216	0 psig	47.4%	8	HUMIDIPACK	6' - 0"	0' - 4"	4' - 11"	1' - 3"	490 FPM	ARMSTRONG	CUSTOM

UNIT CONT'D

PREFILTER DATA: DESCRIPTION	EFFICIENCY	QUANTITY 24x24	QUANTITY 12x24	FACE AREA	FACE VELOCITY	STATIC PRESSURE: PRESSURE DROP
FILTER 1	MERV 8	6	2	28.04 SF	464 FPM	0.55 in-wg

FINAL FILTER DATA: TYPE 1 DESCRIPTION	TYPE 1 EFFICIENCY	QUANTITY 24x24	QUANTITY 12x24	FACE AREA	VELOCITY	STATIC PRESSURE: INITIAL	FINAL	PRESSURE DROP
HEPA	99.97%	6	2	29.5 SF	440 FPM	0 in-wg	0 in-wg	1.51 in-wg

UNIT DIMENSIONS: LENGTH (FT-IN)	WIDTH (FT-IN)	HEIGHT (FT-IN)	OPERATING WT. (LBS)	CURB HEIGHT	VIBRATION ISOLATION SPECIFICATIONS: MOUNTING TYPE	BASE TYPE
44' - 2"	7' - 10"	10' - 0"	18331	6"	SEE SPEC	SEE SPEC

CLEAN STEAM GENERATOR SCHEDULE

NOTES:

1. COORDINATE 480V FEED WITH ELECTRICAL CONTRACTOR
2. PROVIDE MANUFACTURER SUPPLIED OUTDOOR ENCLOSURE
3. PROVIDE ROOF CURBS
4. COORDINATE WATER FEED WITH PLUMBIN GCONTRACTOR
5. INSTALL WITHIN 40 EQUIVALENT FEET OF THE DISPERSION TUBE
6. REFER TO MANUFACTURER'S DETAIL FOR REQUIRED CONNECTIONS, PITCHING, AND TRAPPING
7. UNITS TO BE CONNECTED TO EXISTING JCI BMS SYSTEM.

DESIGNATION	LOCATION	SERVICE	STEAM FLOW (LB/HR) OUT	STEAM PRESSURE (PSIG) OUT	HEATING SURFACE	TANK: SIZE	CONFIGURATION	MATERIAL	TUBE: MATERIAL	THICKNESS	DIAMETER	MANUFACTURER	MODEL
SG-01			288	15	0 SF			T304 SS	18-8 SS		0' - 2"	ARMSTRONG	HC6700

DIFFUSER SCHEDULE

NOTES:

1. ALL BORDER TYPES TO BE COORDINATED WITH THE CEILING TYPES AND SUPPORTS
2. ALL COLORS AND FINISHES TO RECEIVE FINAL APPROVAL FROM ARCHITECTURAL TEAM
3. ALL SQUARE DIFFUSERS TO BE PROVIDED WITH INSULATED BACKS.

DESIGNATION	SERVICE	CFM RANGE: MIN.	MAX.	TYPE	NECK SIZE (IN.): DUCT WIDTH	DUCT HEIGHT	DUCT DIAMETER	NOMINAL OVERALL DIMENSION: WIDTH	LENGTH	MANUFACTURER	MODEL	REMARKS
CD-A	SUPPLY	0	200	LAY-IN			6	2' - 0"	2' - 0"	TITUS	TMSA	
CD-C	SUPPLY	326	500	LAY-IN			10	2' - 0"	2' - 0"	TITUS	TMSA	

LINEAR DIFFUSER SCHEDULE

NOTES:

1. ALL BORDER TYPES TO BE COORDINATED WITH THE CEILING TYPES AND SUPPORTS
2. ALL COLORS AND FINISHES TO RECEIVE FINAL APPROVAL FROM ARCHITECTURAL TEAM

DESIGNATION	SERVICE	AIRFLOW RANGE (CFM): MIN	MAX CFM/LIN. FT.	NO. OF SLOTS	SLOT SIZE	DIFFUSER LENGTH	MANUFACTURER	MODEL
LD-A	SUPPLY	0	75	2	1"	2' - 1"	TITUS	FL-20
LD-B	SUPPLY	0	75	2	1"	4' - 1"	TITUS	FL-20
LD-C	SUPPLY	60	0	2	1"	6' - 1"	TITUS	FL-20
LE-A	EXHAUST	0	75	2	1"	2' - 1"	TITUS	FL-20
LE-B	EXHAUST	0	75	2	1"	5' - 1"	TITUS	FL-20
LE-B	EXHAUST	0	75	2	1"	5' - 1"	TITUS	FL-20
LR-A	RETURN	0	75	2	1"	2' - 1"	TITUS	FL-20

FAN SCHEDULE

NOTES:

1. ALL FANS SHALL BE UL/c705 LISTEN UNLESS OTHERWISE NOTED.
2. ALL MOTORS 1 HP AND LARGER SHALL BE NEMA PREMIUM EFFICIENCY
3. MOTORS SHALL BE PROVIDED WITH DISCONNECT SWITCHES AND APPROPRIATE ENCLOSURE BASED ON LOCATION AND APPLICATION
4. UNITS TO BE CONNECTED TO EXISTING JCI BMS SYSTEM.

DESIGNATION	LOCATION	SERVICE	QUANTITY	PERFORMANCE DATA: CFM	ESP	RPM	BHP	MAX. OV (FPM)
EF-2-1	02-D-ROOF	TX/GX	1	855	1.00 in-wg	1860	0.21	1350
EF-2-2	02-D-ROOF	WAITING	1	1100	1.00 in-wg	2430	0.43	1270
EF-2-3	02-D-ROOF	ISO	1	1270	1.00 in-wg	2200	0.49	1470
EF-2-4	02-D-ROOF	RADIOLOGY	1	1895	1.00 in-wg	1308	0.47	1460

DESIGNATION	MOTOR DATA: HP	DRIVE TYPE	STARTER TYPE	ELECTRICAL DATA: VOLTS	PHASE	HZ	OPERATING WEIGHT (LBS.)	VIBRATION ISOLATION: SPECIFICATIONS MOUNTING TYPE	MIN. STATIC DEFLECTION (IN.)	MANUFACTURER	MODEL
EF-2-1	0.25	DIRECT	VFD	480	3	60	177.00	SEE SPEC	SEE SPEC	GREENHECK	USF-10-B6
EF-2-2	0.5	BELT	VFD	480	3	60	188.00	SEE SPEC	SEE SPEC	GREENHECK	USF-06-B7
EF-2-3	0.5	BELT	VFD	480	3	60	187.00	SEE SPEC	SEE SPEC	GREENHECK	USF-08-B7
EF-2-4	1.5	DIRECT	VFD	480	3	60	217.00	SEE SPEC	SEE SPEC	GREENHECK	USF-15-B7

AIR TERMINAL UNIT (SINGLE DUCT, NON-VENTURI TYPE) WITH HOT WATER COIL TYPE SCHEDULE

NOTES:

1. REFERENCE FLOOR PLANS FOR INDIVIDUAL TERMINAL BOX REQUIREMENTS.
2. INSTANCES ON FLOOR PLAN DESIGNATED WITH "CAV" SHALL BE CONSTANT VOLUME.
3. MINIMUM CONTROLLABLE AIRFLOW RATE BASED ON AIRFLOW VELOCITY PRESSURE TRANSDUCER OF 0.03" W.C.
4. ALL ATU CONTROLLERS SHALL BE PRESSURE INDEPENDENT.
5. HEATING COIL LEAVING WATER TEMPERATURE TO VARY BASED UPON COIL SELECTION....

DESIGNATION	TYPE	UNIT/INLET SIZE (IN. DIA.)	UNIT DESIGN AIRFLOW RANGE (CFM): MAXIMUM	MINIMUM	MINIMUM CONTROLLABLE AIRFLOW, CFM	HOT WATER HEATING COIL DATA: HEAT OUTPUT (MBH)	EWT (DEG F)	LWT (DEG F)	EAT (DEG F)	LAT (DEG F)	HOT WATER FLOW, GPM	MIN COIL SIZE (IN.) HEIGHT	TYPE OF CONTROLS	MANUFACTURER	MODEL
VAV-A	SUPPLY	4	130	61	61	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	8	DDC	TITUS	DESV
VAV-B	SUPPLY	5	240	131	95	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	8	DDC	TITUS	DESV
VAV-C	SUPPLY	6	350	241	137	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	8	DDC	TITUS	DESV
VAV-D	SUPPLY	7	470	351	185	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	10	DDC	TITUS	DESV
VAV-E	SUPPLY	8	600	471	242	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	10	DDC	TITUS	DESV
VAV-G	SUPPLY	10	950	751	380	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	13	DDC	TITUS	DESV
VAV-H	SUPPLY	12	1350	951	545	VARIES	200 °F	VARIES	55 °F	VARIES	SEE PLAN	15	DDC	TITUS	DESV

VFD SCHEDULE

NOTES:

1. VFD ENCLOSURE TO BE NEMA 4 ENCLOSURE
2. UNITS TO BE CONNECTED TO EXISTING JCI BMS SYSTEM.

DESIGNATION	SERVICE	LOCATION	MOTOR DATA: HP	VOLTS	PH	HZ	VFD DATA: EFFICIANCY	MINIMUM OUTPUT	DRIVE ISOLATION FUSES	HARMONIC PERFORMANCE	BYPASS	BMS INTERFACE	HEAT DISSIPATION (MBH)
VFD-2-1	SUPPLY	02-D-MER	40	460	3	60	0%	0 A	0 A				0
VFD-2-2	RETURN	02-D-MER	20	460	3	60	0%	0 A	0 A				0

DESIGNATION	ENCLOSURE DATA: RATING	MOUNTING LOCATION	HEIGHT	WIDTH	DEPTH	WEIGHT	MANUFACTURER	MODEL	REMARKS
VFD-2-1			14.39"	3.9"	4.47"	0 lb			
VFD-2-2			14.39"	3.9"	4.47"	0 lb			

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
MECHANICAL SCHEDULES

Scale

M-300

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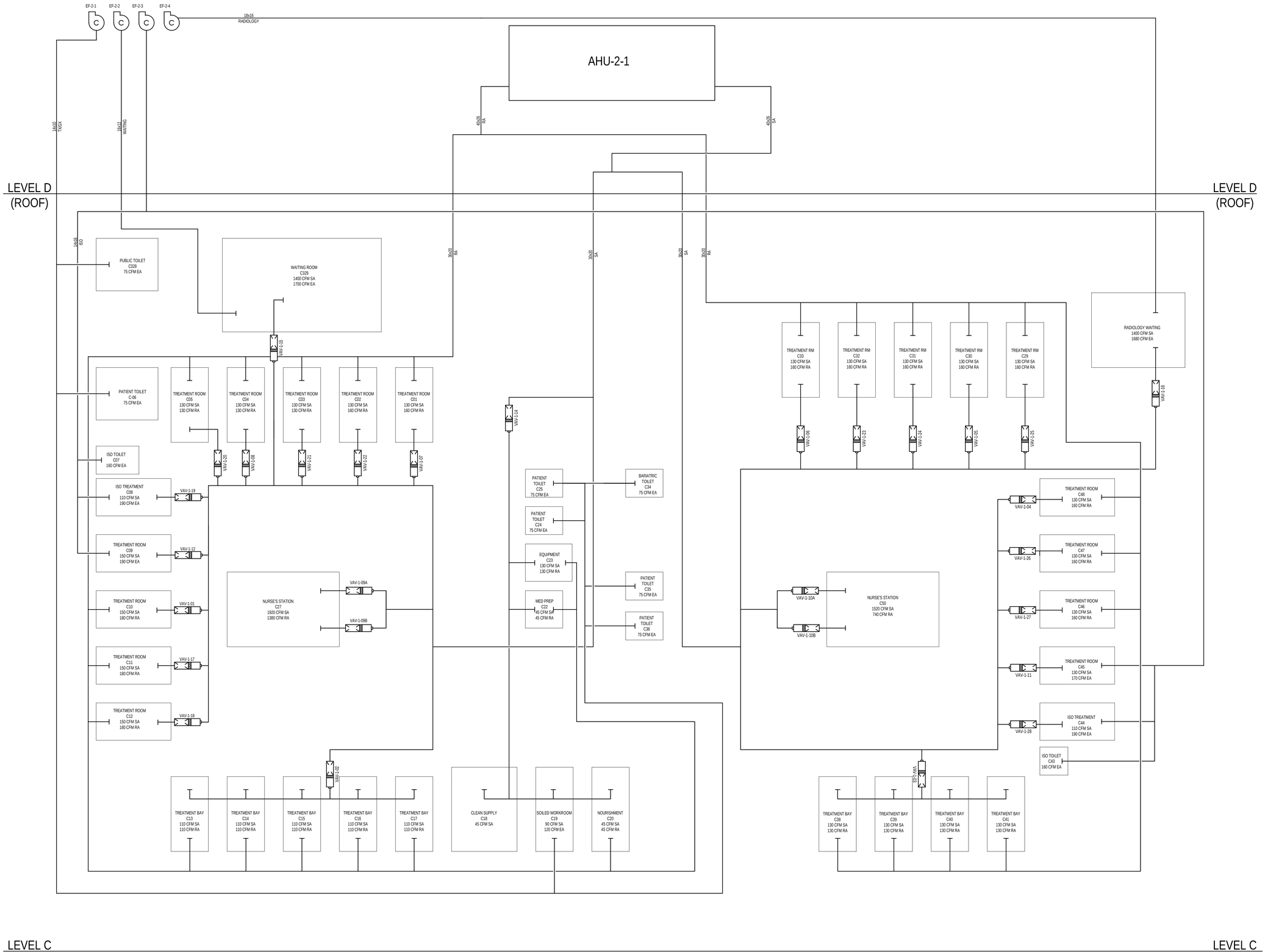

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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
MECHANICAL AIRFLOW DIAGRAM

Scale
NONE

M-301

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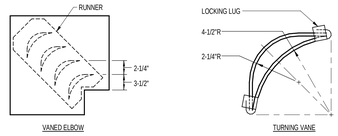
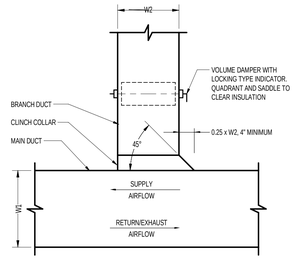


NOTES:

1. LOCKING LUGS INTERNAL WITH VANE.
2. MAXIMUM UNSUPPORTED VANE LENGTH 48".
3. RUNNER - BOLTED OR RIVETED TO ELBOW.
4. VANES SHALL BE SECURELY FASTENED TO RUNNER.
5. VANES AND RUNNER - SAME GAUGE AS ELBOW.
6. FOR DUCTS WITH EQUAL INLET AND OUTLET DIMENSIONS.

1 DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOWS

SCALE: NTS

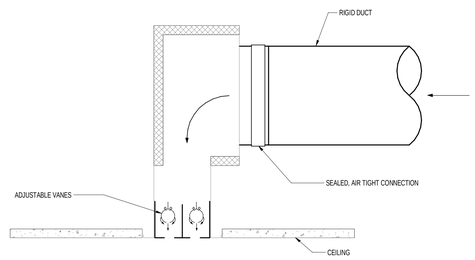


NOTES:

1. NOT TO BE USED AS A SUBSTITUTE FOR AN ELBOW.

2 RECTANGULAR DUCT TAP WITH VOLUME DAMPER

SCALE: NTS

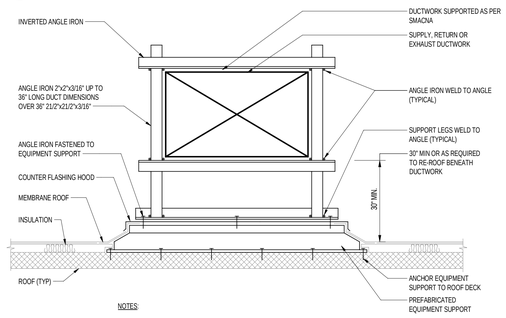


NOTES:

1. FOR PERIMETER DIFFUSERS LOCATE DISTANCE FROM OUTSIDE WALL SHOWN ON ARCH PLANS OR MAXIMUM 18'.
2. FOR LAB OR HEALTHCARE APPLICATIONS USE EXTERNAL INSULATION IN LIEU OF INTERNAL ACOUSTICAL LINING IN PLENUM.

3 LINEAR DIFFUSER WITH PLENUM CONNECTION - RIGID DUCT

SCALE: NTS

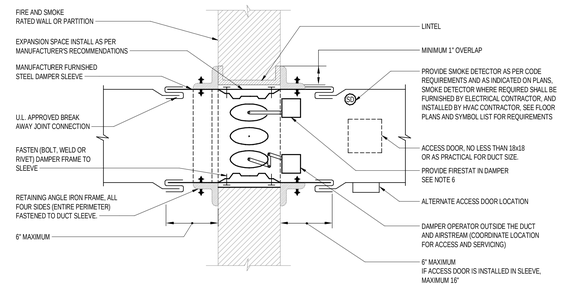


NOTES:

1. DUCT TO BE SUPPORTED OVER BUILDING STRUCTURAL BEAM. COORDINATE WITH STRUCTURAL DRAWINGS FOR LOCATION OF STEEL BEAMS.
2. COORDINATE ROOF FLASHING DETAIL WITH ROOFING CONTRACTOR TO MAINTAIN WARRANTY.
3. PROVIDE INSULATION AND JACKETING PER SPECIFICATIONS.

4 DETAIL OF SUPPORT FOR ROOF MOUNTED DUCTWORK

SCALE: NTS

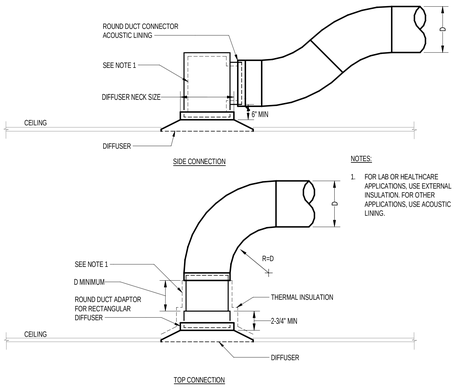


NOTES:

1. DAMPER TO BE UL 555/555S LABELED AND NFPA 90A APPROVED.
2. UL LISTED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF COMBINATION FIRE & SMOKE DAMPER FOR APPROVAL, WHICH SHALL MEET NFPA STANDARD 90A.
3. DETAILS SHOWN ARE FOR COMBINATION FIRE AND SMOKE DAMPERS IN HORIZONTAL DUCTWORK. FOR DAMPERS IN VERTICAL DUCTWORK, DETAIL IS SIMILAR. VERTICAL DUCTS WITH HORIZONTAL DAMPERS ARE TO BE SPRING LOADED TYPE.
4. ACCESS DOOR IS SHOWN IN SIDE OF DUCT.
5. THIS DETAIL IS A GUIDE ONLY. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LISTING.
6. THE HVAC CONTRACTOR SHALL PROVIDE ALL DEVICES RELAYS END SWITCHES. E/P SWITCHES, CONTROL COMPONENTS, AIR PIPING, POWER WIRING, CONTROL WIRING AND INTERLOCK WIRING AS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION FOR THESE DAMPERS.
7. RETAINING ANGLES MUST OVERLAP THE FIREWALL 1" MINIMUM AND COVER CORNERS OF OPENINGS.

5 COMBINATION FIRE AND SMOKE DAMPER WITH FIRESTAT

SCALE: 1 : 1

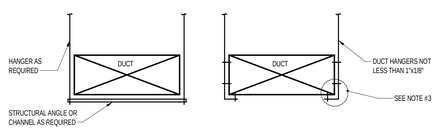


NOTES:

1. FOR LAB OR HEALTHCARE APPLICATIONS, USE EXTERNAL INSULATION. FOR OTHER APPLICATIONS, USE ACOUSTIC LINING.

6 DIFFUSER CONNECTION - RIGID DUCT

SCALE: NTS

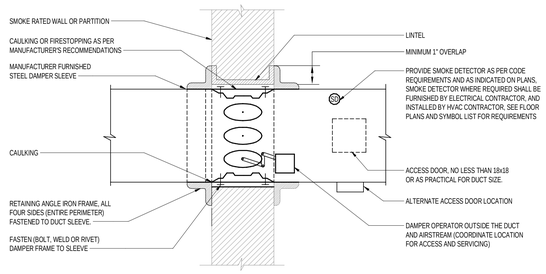


NOTES:

1. ALL DUCTWORK TO BE HUNG FROM BUILDING CONSTRUCTION. DO NOT SUPPORT FROM HUNG CEILING.
2. WHEN DUCT AREA EXCEEDS 8 SQ FT ANGLE STIFFENERS ARE REQUIRED AROUND CIRCUMFERENCE EVERY 4'-0".
3. FOR DUCTS UP TO 60" WIDE, HANGERS SHALL TURN UNDER DUCT AT LEAST 2" AND SHALL BE FASTENED TO THE BOTTOM AS WELL AS TO THE SIDES OF THE DUCT. FOR DUCTS OVER 60" WIDE, USE TRAPEZE HANGER.
4. REFER TO SPECIFICATIONS FOR HANGER SPACING.
5. REPLACE FIREPROOFING ON STRUCTURAL ELEMENTS TO MATCH EXISTING.
6. PROVIDE ANCHORAGE TO STRUCTURE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER.

7 DUCT SUPPORT

SCALE: NTS

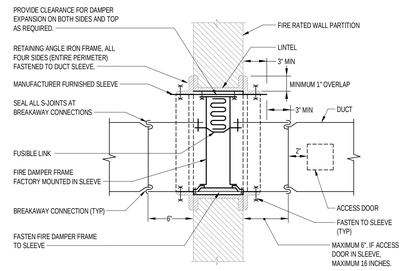


NOTES:

1. DAMPER TO BE UL 555/555S LABELED AND NFPA 90A APPROVED.
2. UL LISTED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF COMBINATION FIRE & SMOKE DAMPER FOR APPROVAL, WHICH SHALL MEET NFPA STANDARD 90A.
3. DETAILS SHOWN ARE FOR SMOKE DAMPERS IN HORIZONTAL DUCTWORK. FOR DAMPERS IN VERTICAL DUCTWORK, DETAIL IS SIMILAR. VERTICAL DUCTS WITH HORIZONTAL DAMPERS ARE TO BE SPRING LOADED TYPE.
4. ACCESS DOOR IS SHOWN IN SIDE OF DUCT.
5. THIS DETAIL IS A GUIDE ONLY. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LISTING.
6. THE HVAC CONTRACTOR SHALL PROVIDE ALL DEVICES RELAYS END SWITCHES. E/P SWITCHES, CONTROL COMPONENTS, AIR PIPING, POWER WIRING, CONTROL WIRING AND INTERLOCK WIRING AS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION FOR THESE DAMPERS.
7. RETAINING ANGLES MUST OVERLAP THE FIREWALL 1" MINIMUM AND COVER CORNERS OF OPENINGS.

8 SMOKE DAMPER

SCALE: 1 : 1

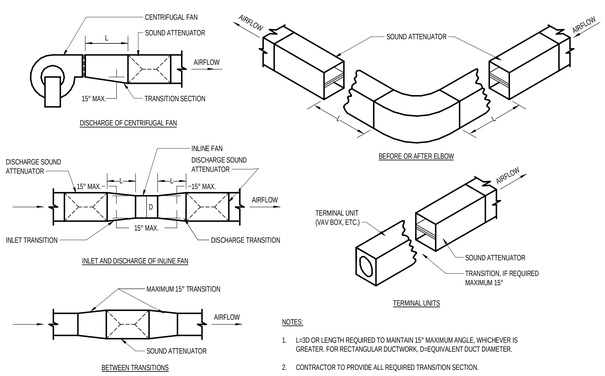


NOTES:

1. DAMPER TO BE UL LABELED NFPA 90A APPROVED.
2. UL LISTED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL, WHICH SHALL MEET NFPA STANDARD 90A.
3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCTWORK, FOR DAMPERS IN VERTICAL DUCTWORK, DETAILS SIMILAR EXCEPT DAMPERS ARE TO BE SPRING LOADED.
4. ACCESS DOOR IS SHOWN IN SIDE OF DUCT; IF FUSIBLE LINK IS MORE ACCESSIBLE FROM BOTTOM OF DUCT RELOCATE ACCESS DOOR.
5. UL APPROVED BREAKAWAY SLIP JOINT CONNECTION SHALL BE USED.
6. THIS DETAIL IS A GUIDE ONLY. INSTALL FIRE DAMPER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LISTING.
7. RETAINING ANGLES MUST OVERLAP THE FIRE WALL 1" MIN. AND COVER CORNERS OF OPENINGS.

9 TYPE "B" FIRE DAMPER

SCALE: 1 : 1

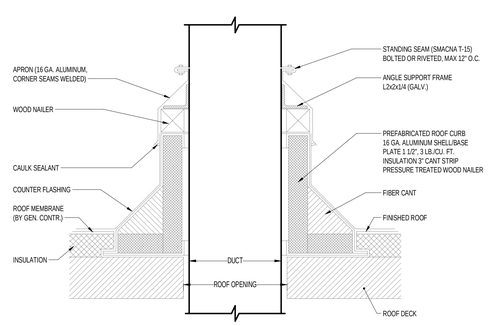


NOTES:

1. L=3D OR LENGTH REQUIRED TO MAINTAIN 15° MAXIMUM ANGLE, WHICHEVER IS GREATER. FOR RECTANGULAR DUCTWORK, D=EQUIVALENT DUCT DIAMETER.
2. CONTRACTOR TO PROVIDE ALL REQUIRED TRANSITION SECTION.

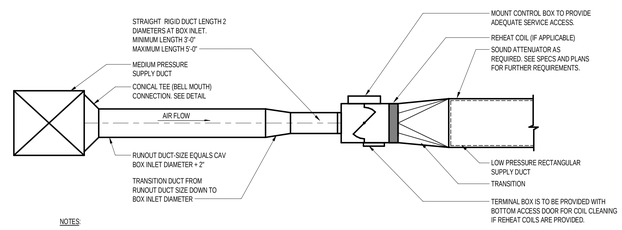
10 SOUND ATTENUATOR INSTALLATION

SCALE: NTS



11 DUCT PENETRATION THROUGH ROOF

SCALE: NTS



NOTES:

1. THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TOO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. MANUFACTURER OF TERMINAL UNIT SHALL PROVIDE CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS.
4. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.
5. DO NOT USE ACOUSTIC LINING FOR HOSPITAL APPLICATION THAT DOES NOT HAVE A METAL INSIDE LINER.

12 TERMINAL UNIT INSTALLATION

SCALE: NTS

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PIPE HANGER & SUPPORT SCHEDULE

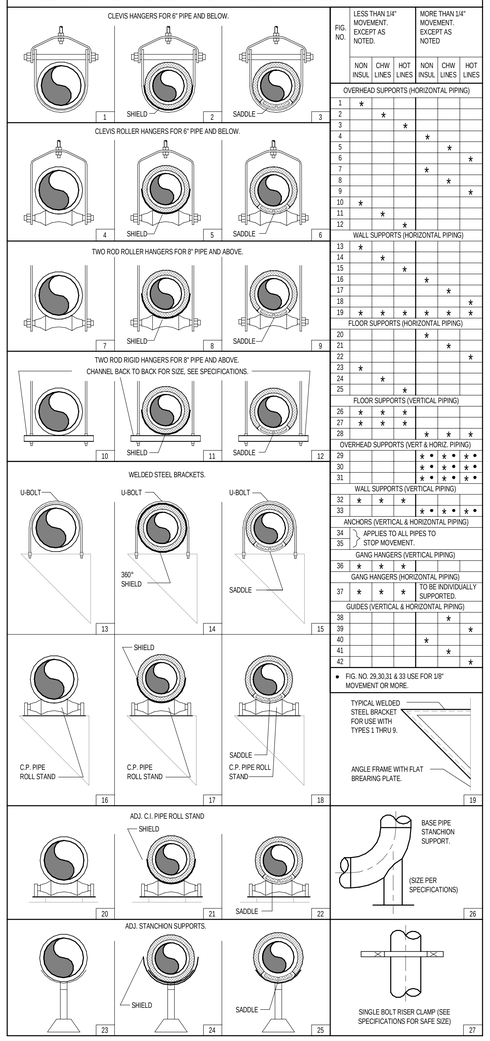
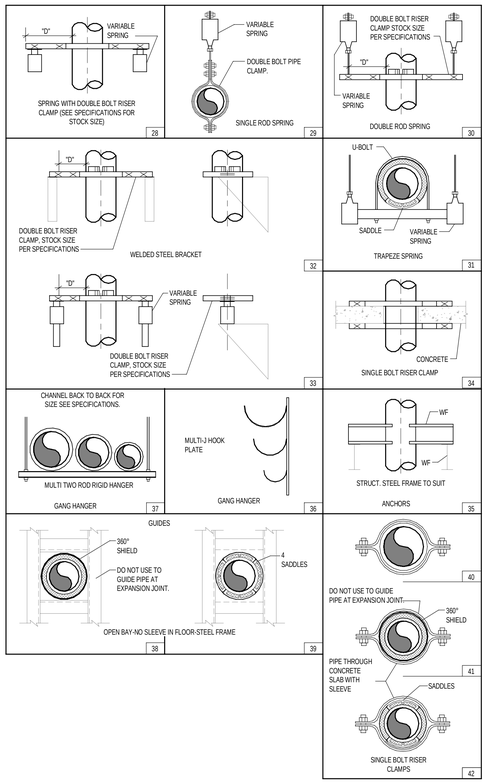


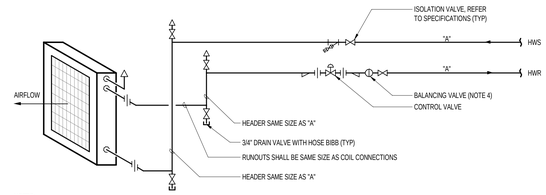
FIG. NO.	LESS THAN 1/4" MOVEMENT. EXCEPT AS NOTED.			MORE THAN 1/4" MOVEMENT. EXCEPT AS NOTED		
	NON INSUL	CHW LINES	HOT LINES	NON INSUL	CHW LINES	HOT LINES
OVERHEAD SUPPORTS (HORIZONTAL PIPING)						
1	★					
2		★				
3			★			
4				★		
5					★	
6						★
7				★		
8					★	
9						★
10	★					
11		★				
12			★			
WALL SUPPORTS (HORIZONTAL PIPING)						
13	★					
14		★				
15			★			
16				★		
17					★	
18						★
19	★	★	★	★	★	★
FLOOR SUPPORTS (HORIZONTAL PIPING)						
20				★		
21					★	
22						★
23	★					
24		★				
25			★			
FLOOR SUPPORTS (VERTICAL PIPING)						
26	★	★	★			
27	★	★	★			
28				★	★	★
OVERHEAD SUPPORTS (VERT & HORIZ. PIPING)						
29				★ •	★ •	★ •
30				★ •	★ •	★ •
31				★ •	★ •	★ •
WALL SUPPORTS (VERTICAL PIPING)						
32	★	★	★			
33				★ •	★ •	★ •
ANCHORS (VERTICAL & HORIZONTAL PIPING)						
34	APPLIES TO ALL PIPES TO STOP MOVEMENT.					
35						
GANG HANGERS (VERTICAL PIPING)						
36	★	★	★			
GANG HANGERS (HORIZONTAL PIPING)						
37	★	★	★	TO BE INDIVIDUALLY SUPPORTED.		
GUIDES (VERTICAL & HORIZONTAL PIPING)						
38					★	
39						★
40				★		
41					★	
42						★

★ FIG. NO. 29,30,31 & 33 USE FOR 1/8" MOVEMENT OR MORE.

1 PIPE HANGER AND SUPPORT SCHEDULE

SCALE: NTS



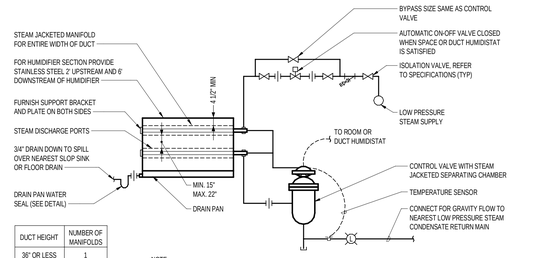


NOTES:

1. LOCATE PIPE UNIONS AND ARRANGE PIPING TO FACILITATE COIL REMOVAL.
2. FOR SIZES "A" SEE PLANS AND FLOW DIAGRAMS.
3. PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS.
4. BALANCING VALVE MAY BE OMITTED FOR PRESSURE INDEPENDENT CONTROL VALVE CONTAINING A FLOW METER.

2 IN-DUCT HOT WATER REHEAT COIL CONNECTIONS - ONE HIGH

SCALE: NTS



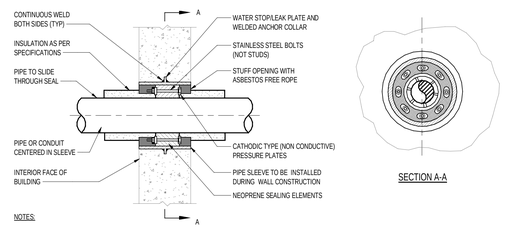
DUCT HEIGHT	NUMBER OF MANIFOLDS
36" OR LESS	1
37" TO 58"	2
59" TO 80"	3
81" TO 100"	4
OVER 100"	5

NOTE:

1. PROVIDE INVERTED BUCKET/F&T TRAP AS PER MANUFACTURER'S RECOMMENDATIONS

3 PIPING CONNECTIONS FOR STEAM HUMIDIFIER

SCALE: NTS

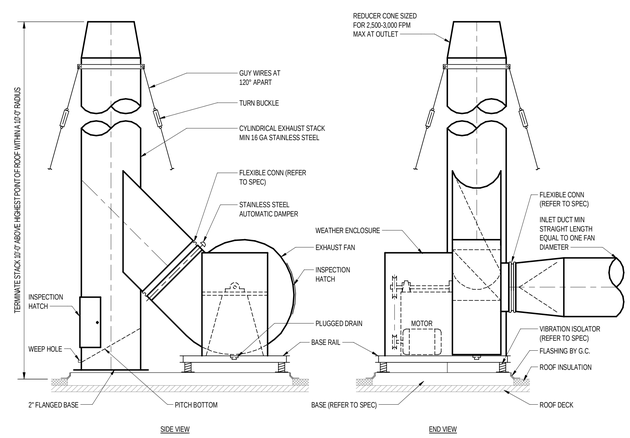


NOTES:

1. WHEN SEALING FLOOR PENETRATIONS, EXTEND SLEEVE 3" ABOVE FINISHED FLOOR.
2. WHEN CORE DRILL IS USED THE PIPE SLEEVE AND WATER STOP/LEAK PLATE ARE NOT REQUIRED.

4 EXTERIOR WALL PIPE PENETRATION SEAL ASSEMBLY

SCALE: NTS



5 HOOD EXHAUST FAN WITH DISCHARGE STACK

SCALE: NTS

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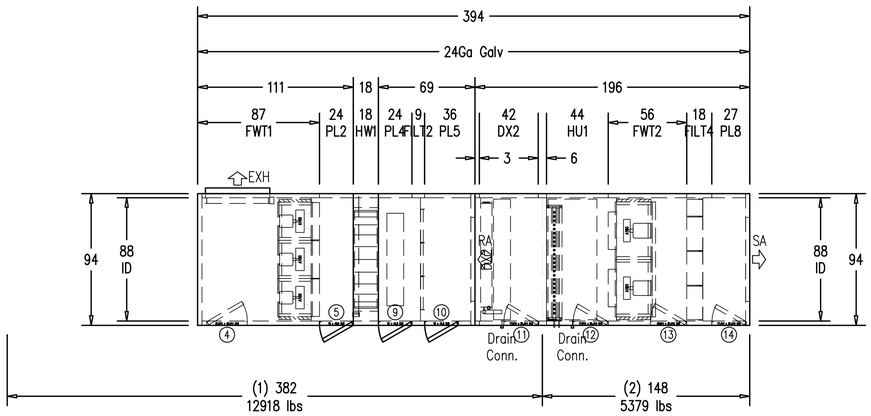

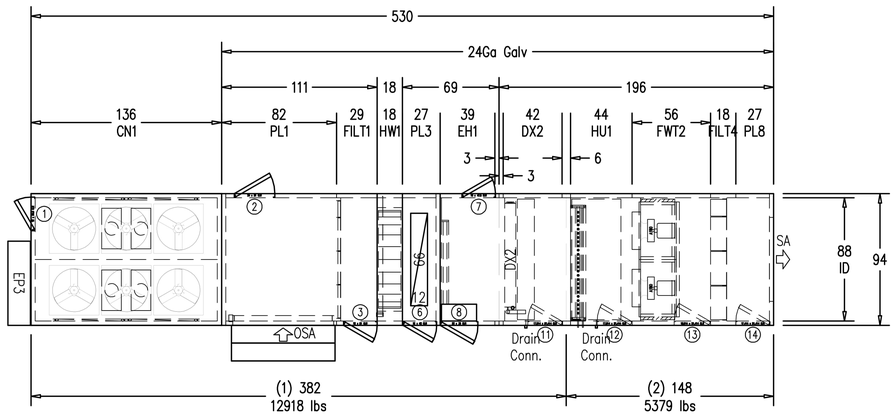

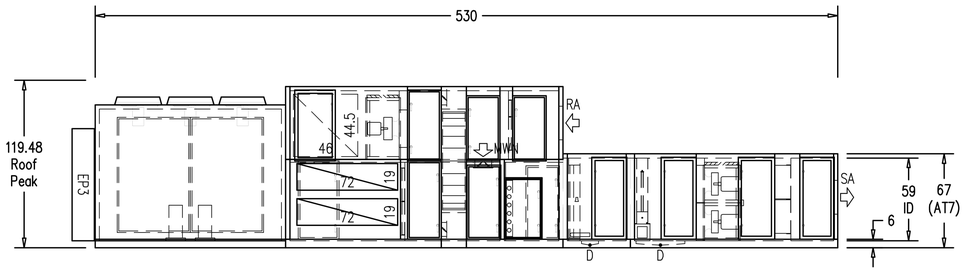

DETAIL - AIR HANDLING UNIT

SCALE: NONE

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Project Name

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Project Number

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Description

MECHANICAL DETAILS

Scale

NONE

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PLUMBING SYMBOL LIST

- DISCONNECT FROM EXISTING
- CONNECT TO EXISTING
- EXISTING PIPING
- EXISTING PIPING TO BE REMOVED
- SOIL, WASTE OR SANITARY PIPING
- VENT PIPING (SANITARY)
- PIPING BELOW SLAB
- COLD WATER PIPING (DOMESTIC)
- HOT WATER PIPING (DOMESTIC)
- HOT WATER RECIRCULATION PIPING (DOMESTIC)
- ARROW INDICATES DIRECTION OF FLOW
- XX — PIPING
  'XX' = SYSTEM TYPE (REFER TO ABBREVIATIONS)
- SHOCKWATER HAMMER ARRESTOR
- CLEAN OUTIPLUGGED OUTLET
- CAPPED OUTLET
- P-TRAP
- VACUUM BREAKER
- BOTTOM PIPE CONNECTION
- TOP PIPE CONNECTION
- SIDE CONNECTION
- PIPE DOWNDROP
- PIPE RISE/UP
- PIPE SLOPE
- VALVE IN VERTICAL
- UNION
- REDUCER
- WATER PROOF SLEEVE
- SLEEVE
- PRESSURE GAUGE w/GAUGE COCK
- TEMPERATURE GAUGE
- FLOOR DRAIN
- ROOF DRAIN
- PUMP
- VENT THRU ROOF
- TAMPER SWITCH
- TEMPERATURE AND PRESSURE RELIEF VALVE
- PLUG VALVE
- MIXING VALVE
- RELIEF VALVE
- ISOLATION VALVE
- OUTSIDE SCREW & YOKE (OS & Y) VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE (PRV)
- SOLENOID VALVE
- Y STRAINER w/BLOW-OFF VALVE
- BALANCING VALVE
- RPZ — REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY
- X/# — RISER DESIGNATION:
  X = RISER SERVICE; # = RISER NUMBER

MEDICAL AND LABORATORY

- MA — MEDICAL AIR PIPING
- MV — MEDICAL VACUUM PIPING
- O2 — OXYGEN PIPING

PLUMBING ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNITS
BVA	BALANCING VALVE ASSEMBLY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CM	COFFEE MAKER
CO	CLEANOUT
CONN	CONNECT
CONS	CONSTRUCTION
CONT	CONTINUATION
CVO	CAPPED AND VALVED OUTLET
CW	COLD WATER (DOMESTIC)
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN (PENETRATES FLOOR SLAB)
DP	DROP
DR	DRAIN
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED & RELOCATED
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EQUIP	EQUIPMENT
EWC	ELECTRICAL WATER COOLER
EWH	ELECTRICAL WATER HEATER
FD	FLOOR DRAIN
FL	FLOOR
FL H	FLOOR HYDRANT
FP	FIRE PROTECTION
FT	FEET
FU	FIXTURE UNIT
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HP	HORSE POWER
HR	HOUR
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER (DOMESTIC)
HWR	HOT WATER RECIRCULATION (DOMESTIC)
ILF	INLINE FILTER
IM	ICE MACHINE
IN	INCH
IN WC	INCHES WATER COLUMN
IW	INDIRECT WASTE
KW	KILOWATT
LAV	LAVATORY
LBS	POUNDS
LS	LOCK SHIELD
M	METER
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OUTSIDE DIAMTER
OF	OVERFLOW
OFD	OVERFLOW DRAIN
PC	PLUMBING CONTRACTOR
PG	PRESSURE GAUGE
PLBG	PLUMBING
PO	PLUGGED OUTLET
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH (GAUGE)
(RE)	RELOCATED EXISTING
(RRO)	EXISTING TO BE REMOVED AND RETURNED TO OWNER
RCP	REFLECTED CEILING PLAN
RCV	RISER CONTROL VALVE
RD	ROOF DRAIN
REG	REGULATOR
RV	RELIEF VENT
S. SAN	SANITARY
SA	SHOCK ABSORBER
SH	SHOWER
SK	SINK
SQ FT	SQUARE FOOT
ST	STORM
TBD	TO BE DETERMINED
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TS	TAMPER SWITCH
TW	TEMPERED WATER
TYP	TYPICAL
UDG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UP (PENETRATES FLOOR SLAB)
V	VENT
VAC	VACUUM
VB	VACUUM BREAKER
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WD	WATER DISPENSER
WHA	WATER HAMMER ARRESTOR
WP	WORKING PRESSURE
WPS	WATERPROOF SLEEVE
DB	DIALYSIS BOX
MA	MEDICAL AIR
MAI	MEDICAL AIR INTAKE
MG	MEDICAL GAS
MGAP	MEDICAL GAS ALARM PANEL
MGO	MEDICAL GAS OUTLET
MV	MEDICAL VACUUM
N2	NITROGEN
N2O	NITROUS OXIDE
O2	OXYGEN
SL	SLIDE
VAC	VACUUM
ZCVB	ZONE CONTROL VALVE BOX

PLUMBING DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THEIR PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF EXISTING SYSTEMS AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER.
2. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS BEFORE STARTING ANY WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE REMOVING OR RELOCATING ANY EXISTING PIPING NOT INDICATED ON DRAWINGS.
4. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING PIPING/SYSTEMS WHICH INTERFERE WITH THE NEW ARCHITECTURAL LAYOUTS. ALL ABANDONED PIPING/SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE REMOVED BACK TO ACTIVE LINES/MAINS/RISERS AS REQUIRED.
5. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH EXISTING FUNCTIONING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED AS REQUIRED.
6. MAKE ANY NECESSARY TEMPORARY CONNECTIONS BETWEEN EXISTING AND NEW WORK TO MAINTAIN CONTINUOUS SERVICE OF ALL EXISTING SYSTEMS. MINIMIZE SHUTDOWNS. OBTAIN WRITTEN APPROVAL FROM OWNER FOR SHUTDOWNS. LOCAL SHUT-DOWNS REQUIRE A REQUEST TO THE OWNER A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO WORK. SHUTDOWNS OF EXISTING BUILDING SERVICES, BEYOND AREA OF WORK, REQUIRE A REQUEST TO THE OWNER A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO WORK. SHUTDOWNS SHALL ALSO BE DONE DURING NON-OCCUPIED HOURS, UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
8. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED. TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
9. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
10. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE CONTRACTOR, AS DIRECTED BY THE OWNER.

SPECIAL INSPECTIONS

2022 - NYC BUILDING CODE

THE OWNER SHALL ENGAGE THE SERVICES OF A SPECIAL INSPECTION AGENCY TO PROVIDE THE REQUIRED SPECIAL INSPECTIONS AND TESTS, UNDER THE DIRECTION OF THE OWNER.

THE CONTRACTOR MUST NOTIFY THE SPECIAL INSPECTION AGENCY AT LEAST 72 HOURS BEFORE THEY ARE READY FOR INSPECTIONS TO BE PERFORMED.

SPECIAL AND PROGRESS INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE BUILDING CODE AS LISTED IN THE FOLLOWING TABLES.

SPECIAL INSPECTION ITEMS:	CODE SECTION:
SPRAYED FIRE-RESISTANT MATERIALS	BC 1705.14
FIRE RESISTANT PENETRATIONS & JOINTS	BC 1705.17
POST INSTALLED ANCHORS (FOR MEDICAL GAS, NATURAL GAS SYSTEMS ONLY)	BC 1705.37
SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE	
MECHANICAL, PLUMBING, FUEL GAS, AND ELECTRICAL COMPONENTS	BC 1705.12.3

PROGRESS INSPECTION ITEMS:	CODE SECTION:
ENERGY CODE COMPLIANCE INSPECTIONS	BC 110.3.5
FINAL INSPECTION	DIRECTIVE 14 - BY ARCHITECT

PLUMBING GENERAL NOTES

1. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
3. DRAWINGS ARE DIAGRAMMATIC: DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
4. NEITHER ACCURACY NOR COMPLETION OF UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
5. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE CURRENT PLUMBING CODE AND ALL APPLICABLE LOCAL CODES AND AGENCIES HAVING JURISDICTION.
6. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE THE PLUMBING SCOPE OF WORK WITH THAT OF ALL OTHER TRADES, INCLUDING (BUT NOT LIMITED TO), ELECTRICAL, HVAC/MECHANICAL, FIRE PROTECTION/SPRINKLER, STRUCTURAL AND ARCHITECTURAL.
7. ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
8. NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
9. ALL EXPOSED PIPING PENETRATING CEILING AND WALLS SHALL BE INSTALLED WITH CHROME PLATED (STAINLESS WHERE NOTED) ESCUTCHEONS AT THE PENETRATIONS IN FINISHED SPACES. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHER TIGHT. PIPING PENETRATING RATED PARTITIONS SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
10. MANUFACTURER'S MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
11. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS.
12. PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES PERIODIC SERVICE.
13. TOPS OF ALL FLOOR DRAINS SHALL BE SET FLUSH WITH FINISHED FLOOR. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
14. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN HEREIN.
15. PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND SUPPLY STOPS ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE SHUT OFF VALVES ON PIPING IN CORRIDORS AND WHERE INDICATED ON DRAWINGS. ALL VALVES SHALL BE ACCESSIBLE.
16. ALL SLEEVES THROUGH CONCRETE FLOORS AND ALL CORE DRILLING OF CONCRETE FLOORS AND WALLS SHALL BE BY THIS CONTRACTOR.
17. SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERENCES WITH FIRE-PROOFING WORK.
18. COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
19. RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
20. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
21. PROVIDE BALANCING ASSEMBLIES AT SYSTEM HOT WATER RETURN LOOPS AND RISERS. BALANCE THE ENTIRE HOT WATER AND HOT WATER CIRCULATION SYSTEM FOR OPTIMUM FLOW AND TEMPERATURE.
22. PROVIDE DRAIN VALVES AT THE BASE OF ALL RISERS AND AT ALL PIPING LOW POINTS
23. PROVIDE SHUT OFF VALVES AT SYSTEM LOOP SUPPLIES AND SUPPLY RISERS.
24. PROVIDE AUTOMATIC AIR RELIEF VENTS AT HIGH POINTS IN PIPING SYSTEMS AND PIPE DISCHARGE TO AN ACCESSIBLE DRAIN.
25. PROVIDE GAUGE FITTINGS AND THERMOMETER WELLS AT HOT WATER SUPPLY AND RETURN BRANCHES AND AT PUMP INLETS AND OUTLETS.
26. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO THE INSTALLATION OF ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
27. PIPING SHALL NOT RUN OVER ELECTRICAL PANELS OR ENTERPASS THROUGH ELECTRICAL ROOMS OR CLOSETS. COORDINATE WITH WORK OF OTHER TRADES AS REQUIRED.
28. PROVIDE EXPANSION JOINT FITTING AT ALL PIPING THAT CROSSES AN EXPANSION JOINT.
29. SCOPE OF WORK SHALL BE COORDINATED WITH AREAS/TENANTS ON FLOOR BELOW. CONTRACTOR SHALL X-RAY THE EXISTING FLOOR SLAB PRIOR TO ANY CORE DRILLING.
30. VERIFY EXISTING DOMESTIC WATER SUPPLY PRESSURE TO THE PROJECT AREA AND PROVIDE PRESSURE REDUCING VALVES WITH STRAINERS IF THE WATER PRESSURE EXCEEDS 75 PSI.

PLUMBING DRAWING LIST

DRAWING No.	DRAWING TITLE
P-000	PLUMBING COVER SHEET
DP-100	PLUMBING DEMOLITION PLAN
DP-110	PLUMBING DEMOLITION PLAN
P-099A	PLUMBING FLOOR PLAN
P-099B	PLUMBING FLOOR PLAN
P-099C	PLUMBING FLOOR PLAN
P-101.0	PLUMBING FLOOR PLAN 0
P-101.1A	PLUMBING FLOOR PLAN 1A
P-101.1B	PLUMBING FLOOR PLAN 1B
P-101.2	PLUMBING FLOOR PLAN 2
P-199B	PLUMBING FLOOR PLAN
P-201.1A	PLUMBING FLOOR PLAN 1A
P-201.1B	PLUMBING FLOOR PLAN 1B
P-201.1C	PLUMBING FLOOR PLAN 1C
P-201.2	PLUMBING FLOOR PLAN 2
P-210	PLUMBING FLOOR PLAN
P-300	PLUMBING RISER DIAGRAMS
P-400	PLUMBING SCHEDULES
P-500	PLUMBING DETAILS

PLOT PLAN

SCALE: NONE

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EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
PLUMBING COVER SHEET

Scale
As indicated

P-000

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KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 DEMOLISH ALL EXISTING SANITARY/WASTE PIPING FROM (ER)PLUMBING FIXTURES ON FLOOR ABOVE BACK TO ACTIVE MAINS/RISERS OR AS INDICATED ON THE FLOOR PLAN.

1 LEVEL B PHASE 1

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

KEY PLAN

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Project Number

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Description

PLUMBING DEMOLITION PLAN
LEVEL B PHASE 1

Scale

1/8" = 1'-0"

DP-100

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DRAWING NOTES:

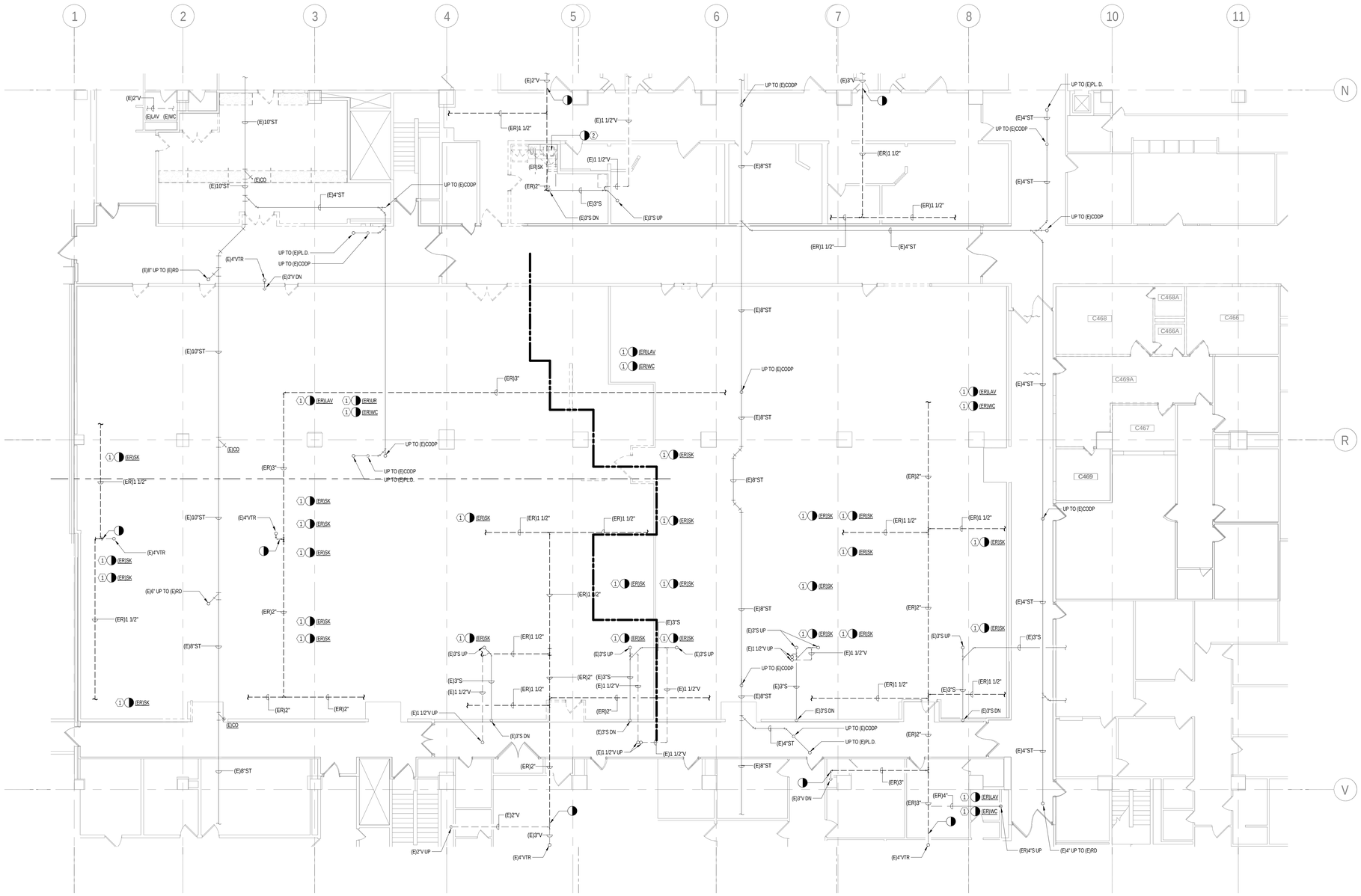
1. REMOVE ALL EXISTING PLUMBING FIXTURES IN AREA OF WORK AND ALL ASSOCIATED PIPING AND APPURTENANCES BACK TO ACTIVE MAINS/RISERS.

KEY NOTES:

(#) SYMBOL DENOTES KEY NOTE

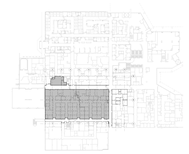
1 DEMOLISH (ER)PLUMBING FIXTURE AND ALL ASSOCIATED WASTE/SANITARY, VENT, AND DOMESTIC WATER BACK TO ACTIVE MAINS/RISERS. INCLUDING SANITARY/WASTE PIPING ON FLOOR BELOW.

2 (ER)PLUMBING FIXTURE AND ALL ASSOCIATED APPURTUNANCES TO BE REMOVED BACK TO (E)ROUGHIN AND CAPPED FOR CONNECTION IN NEW WORK PHASE



1 LEVEL C PHASE 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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Project Number
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Description
PLUMBING DEMOLITION PLAN
LEVEL C PHASE 1

Scale
1/8" = 1'-0"

DP-110

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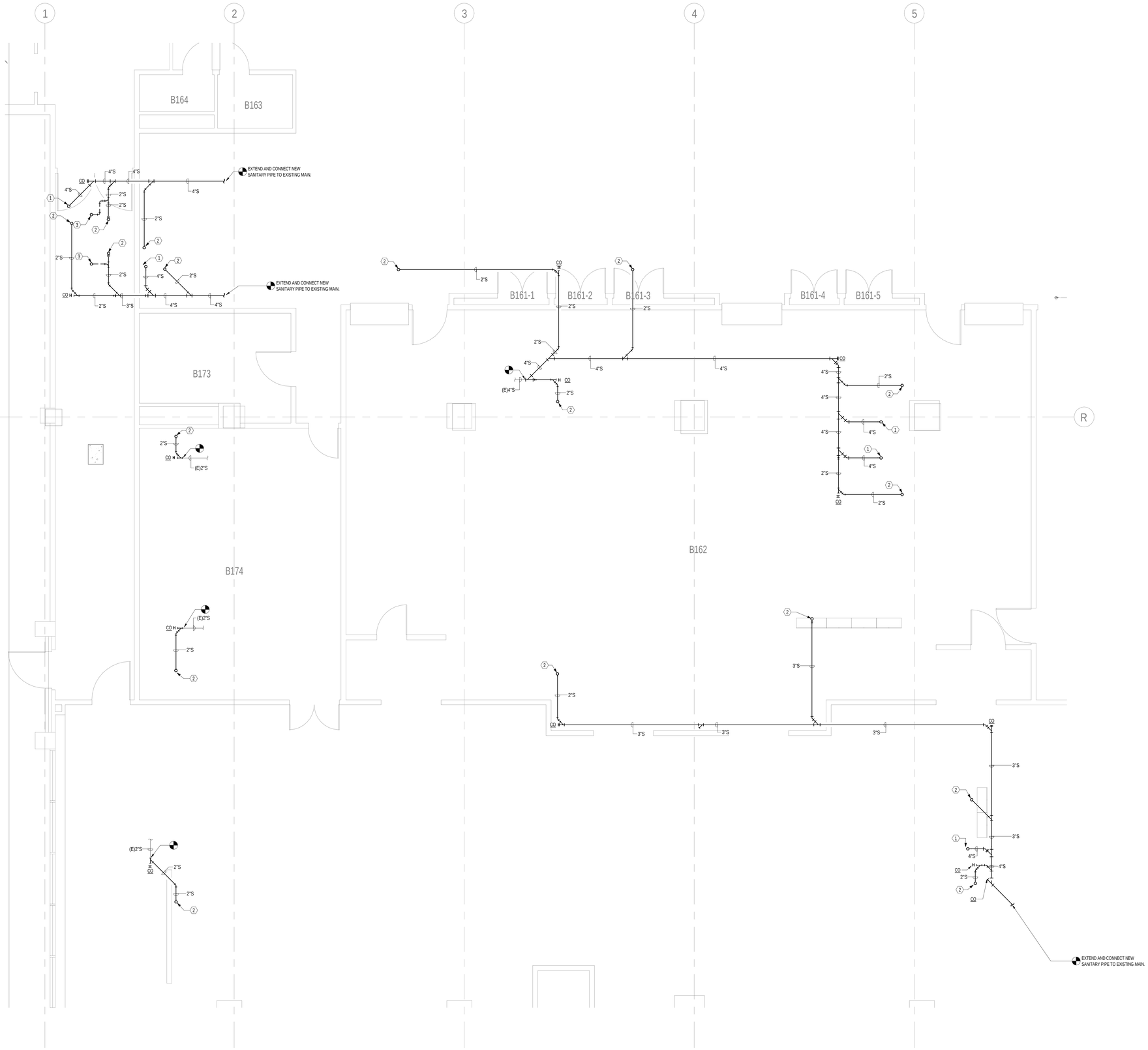
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

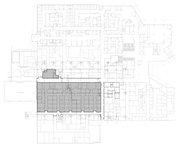
1	4"S UP
2	2"W UP
3	2"V UP



1 LEVEL B PHASE 1 - SANITARY - AREA A

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

KEY PLAN



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Project Number

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Description

PLUMBING FLOOR PLAN
LEVEL B PHASE 1 - SANITARY - AREA A

Scale

1/4" = 1'-0"

P-099A

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KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1	4"S UP
2	2"W UP
3	4"S UP, 2"V UP
4	2"V UP

1 LEVEL B PHASE 2 - SANITARY - AREA B

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

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Project Number

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Description

PLUMBING FLOOR PLAN
LEVEL B PHASE 2 - SANITARY - AREA B

Scale

1/4" = 1'-0"

P-099B

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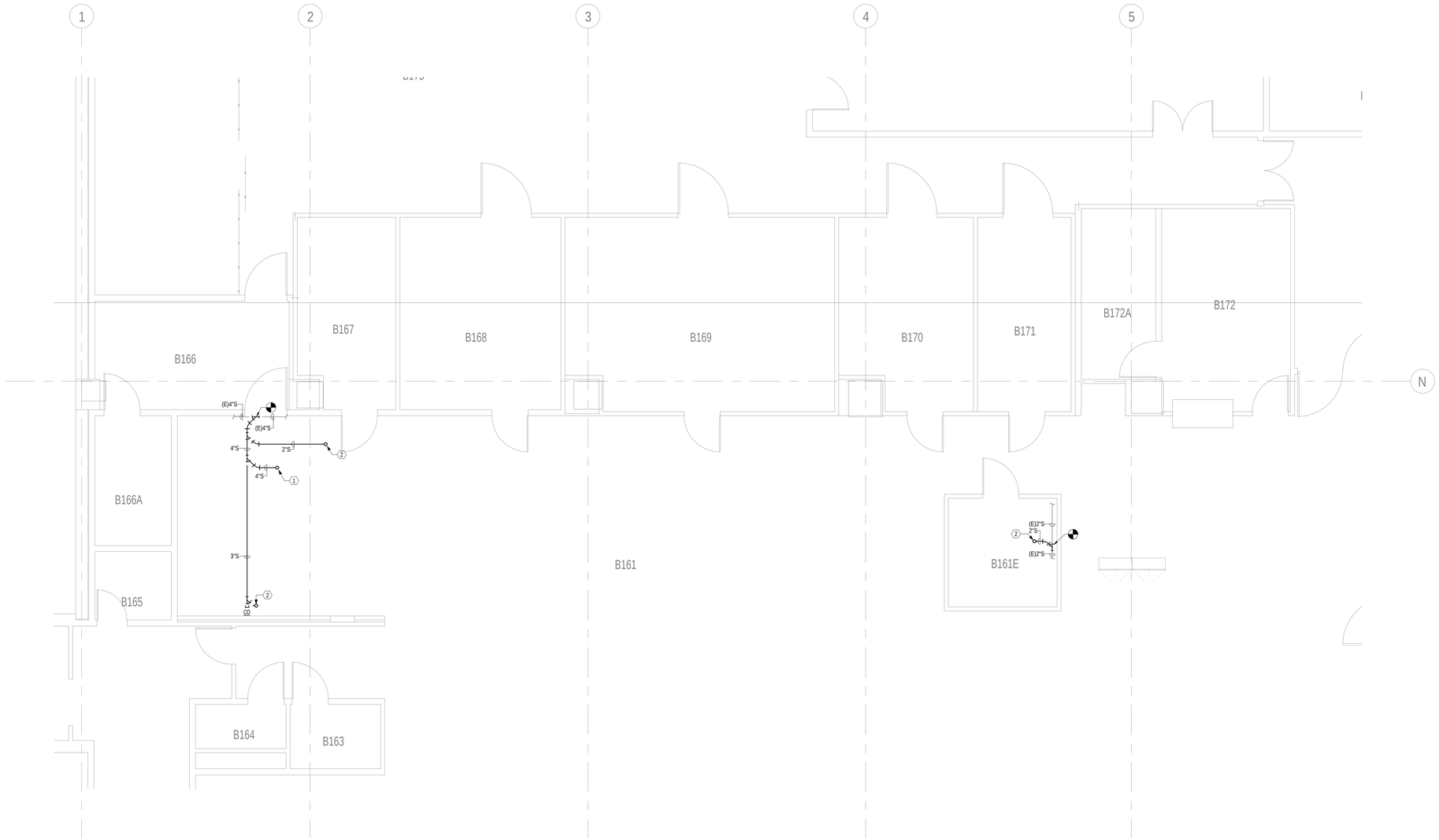
KEY NOTES

(#) SYMBOL DENOTES KEY NOTE

1 4"S UP

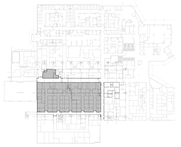
2 2"W UP



1 LEVEL B PHASE 1 - SANITARY - AREA C

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

KEY PLAN



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Description

PLUMBING FLOOR PLAN
LEVEL B PHASE 1 - SANITARY - AREA C

Scale

1/4" = 1'-0"

P-099C

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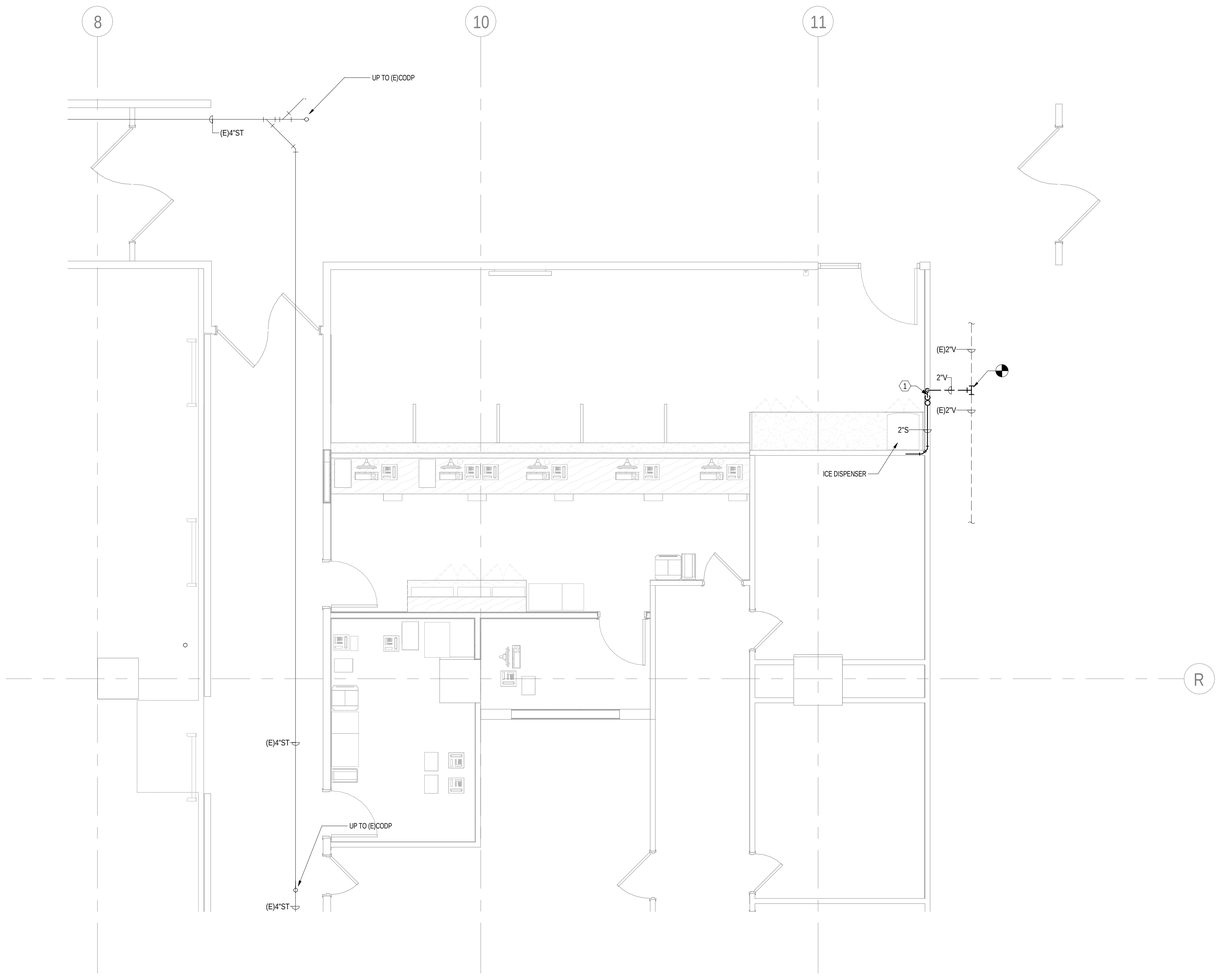
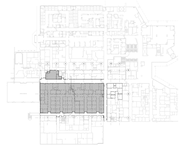


1 LEVEL C PHASE 1 - SANITARY - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Number
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Description
PLUMBING FLOOR PLAN 0
LEVEL C PHASE 1 - SANITARY - RADIOLOGY

Scale
1/4" = 1'-0"

P-101.0

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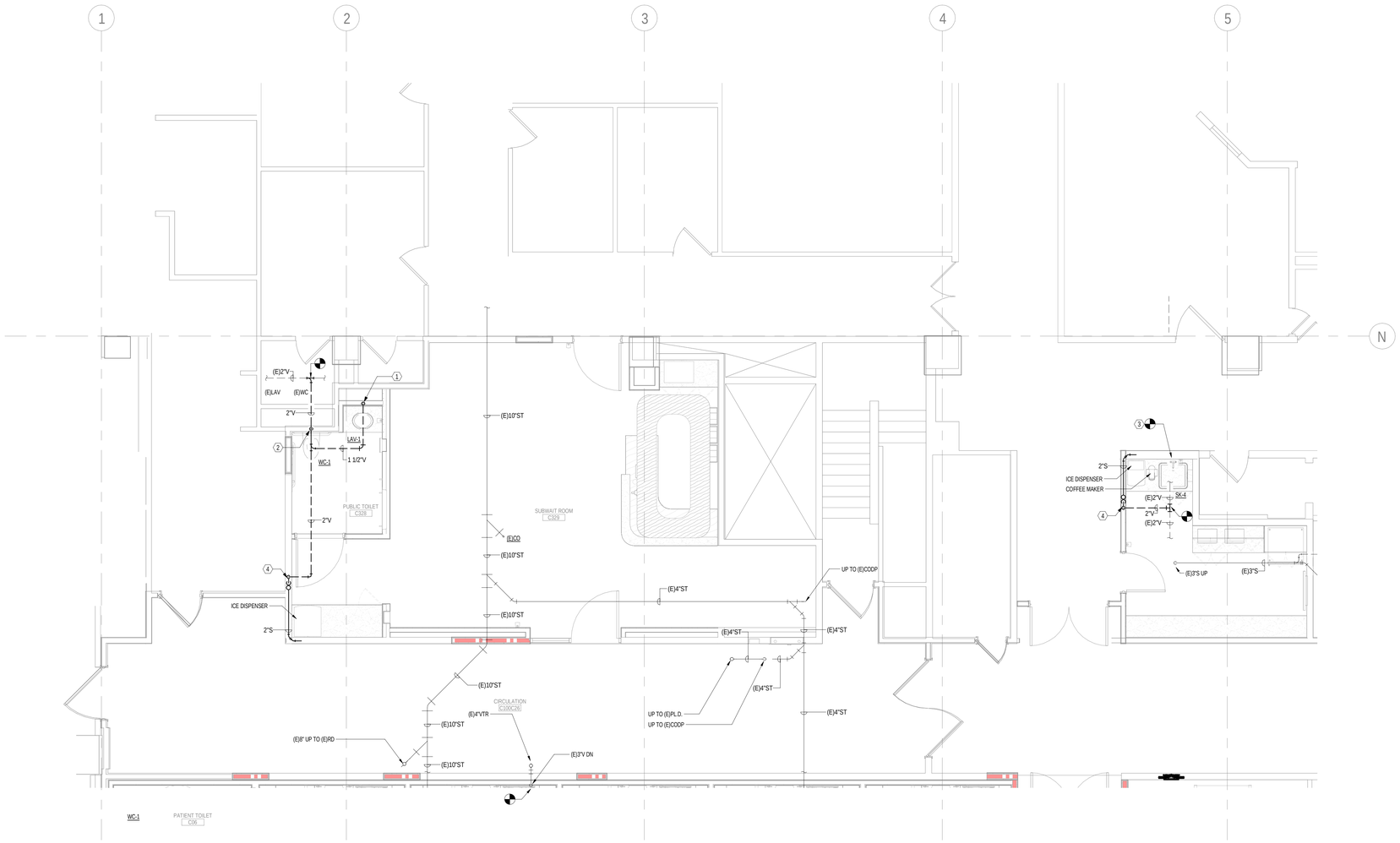
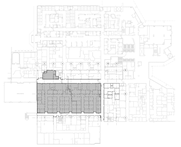


1 LEVEL C PHASE 1 - SANITARY - WAITING ROOM
SCALE 1/4" = 1'-0"

KEY PLAN



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Project Number
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Description
PLUMBING FLOOR PLAN 1A
LEVEL C PHASE 1 - SANITARY - WAITING ROOM

Scale
1/4" = 1'-0"

P-101.1A

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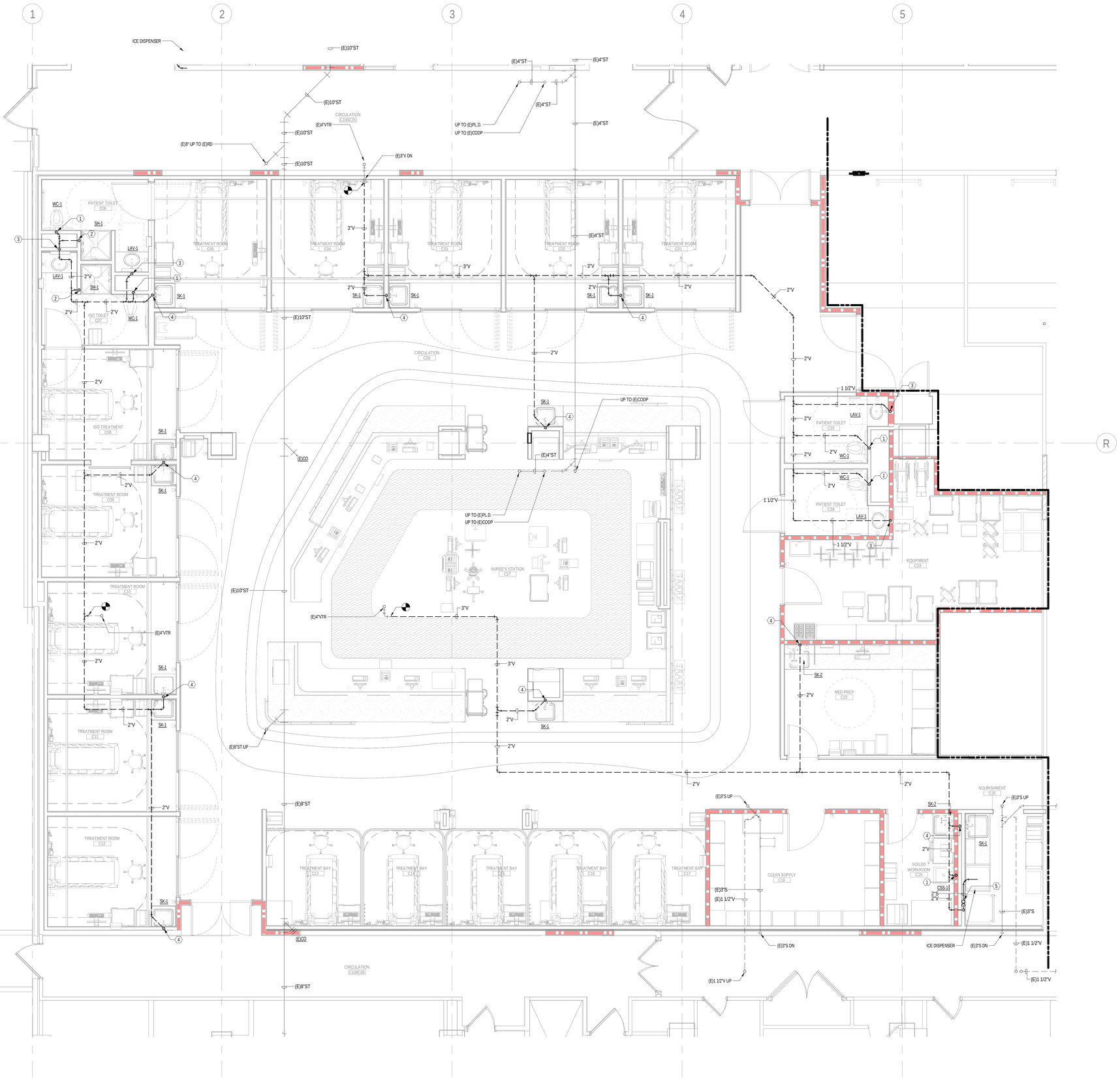

1 LEVEL C PHASE 1 - SANITARY - EMERGENCY DEPARTMENT

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

KEY PLAN

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Project Number

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Description

PLUMBING FLOOR PLAN 1B
LEVEL C PHASE 1 - SANITARY - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

P-101.1B

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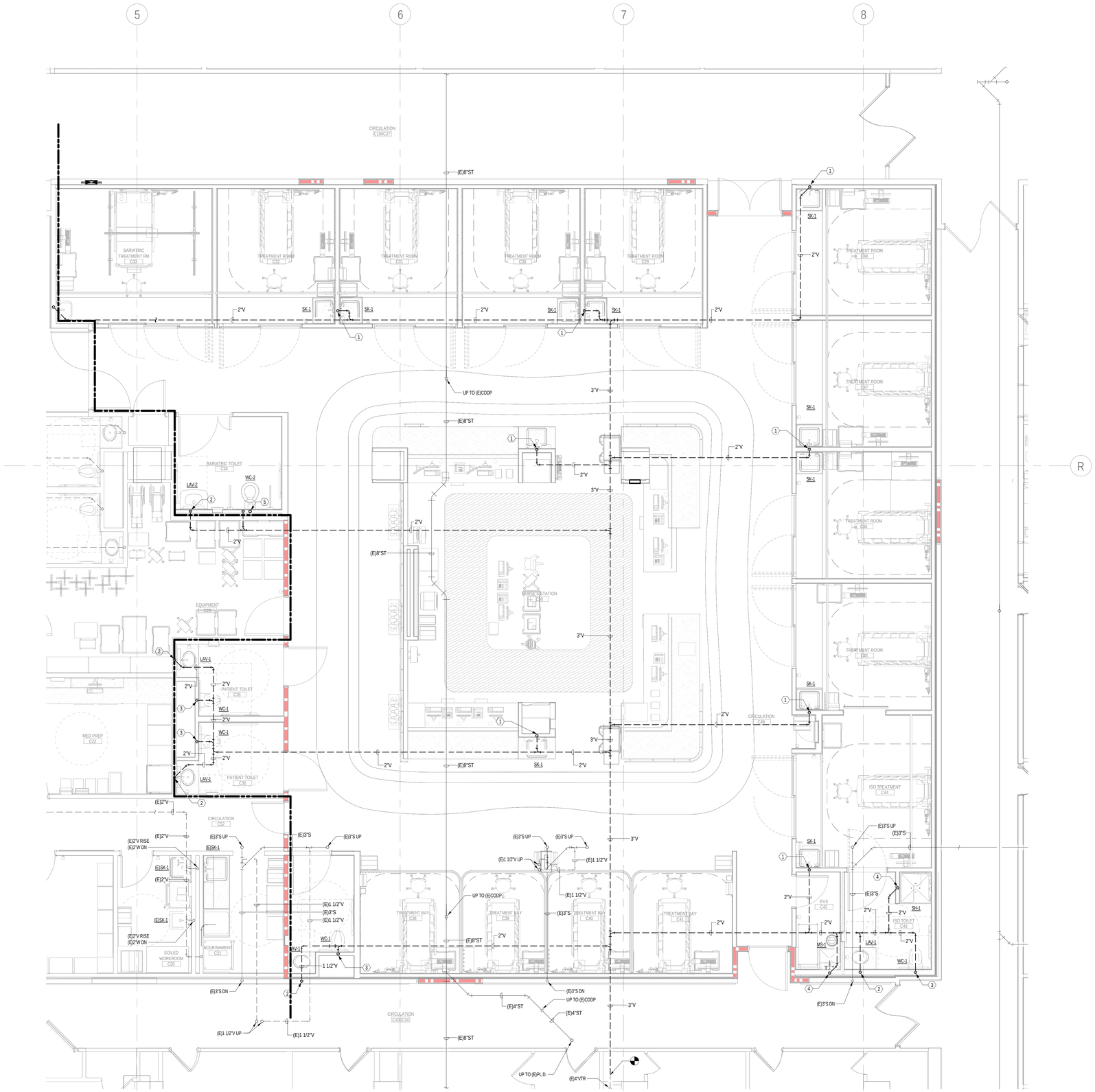
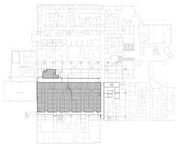


1 LEVEL C PHASE 2 - SANITARY - EMERGENCY DEPARTMENT

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

KEY PLAN



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Project Number

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Description

PLUMBING FLOOR PLAN 2
LEVEL C PHASE 2 - SANITARY - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

P-101.2

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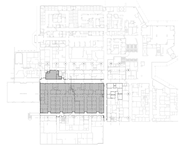
KEY NOTES
(#) SYMBOL DENOTES KEY NOTE

1 LEVEL B PHASE 2 - DOMESTIC & MED GAS - AREA B
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Name
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Project Number
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Description
PLUMBING FLOOR PLAN
LEVEL B PHASE 2 - DOMESTIC & MED GAS - AREA B

Scale
1/4" = 1'-0"

P-199B

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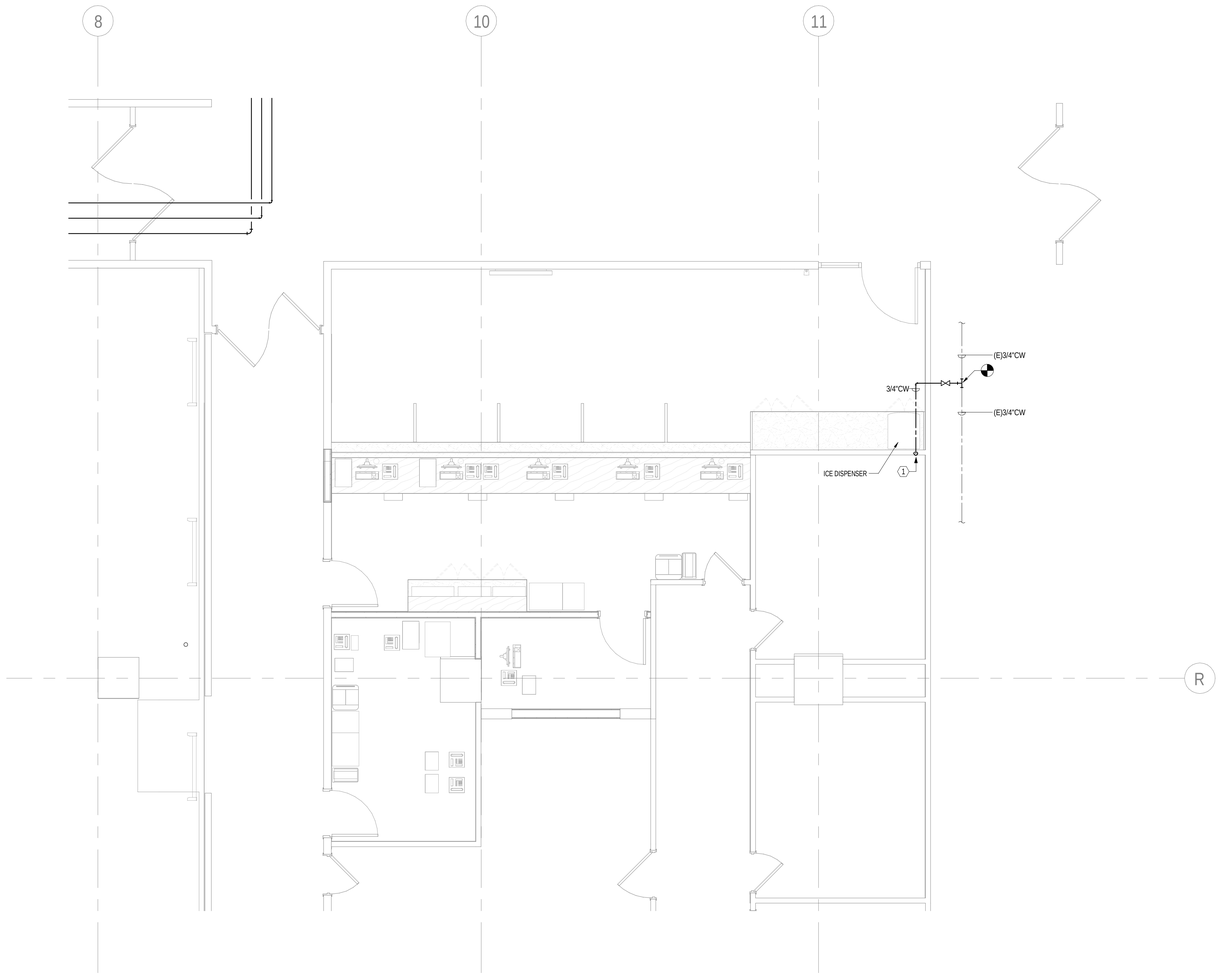
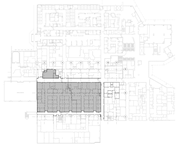


1 LEVEL C PHASE 1 - DOMESTIC & MED GAS - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
PLUMBING FLOOR PLAN 0
LEVEL C PHASE 1 - DOMESTIC & MED GAS - RADIOLOGY

Scale
1/4" = 1'-0"

P-201.0

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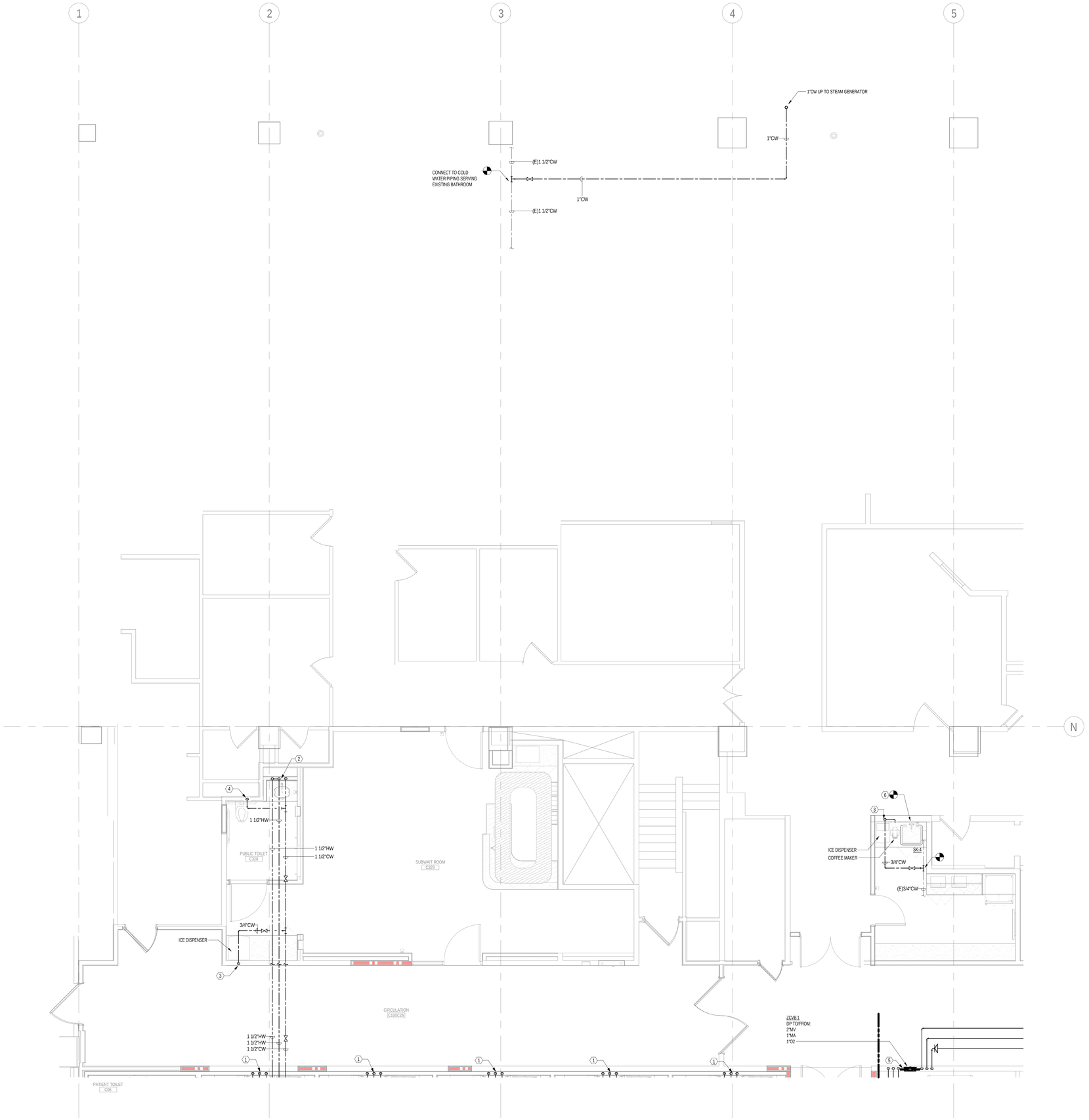

1 LEVEL C PHASE 1 - DOMESTIC & MED GAS - WAITING ROOM

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

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Project Number

230625

Description

PLUMBING FLOOR PLAN 1A

LEVEL C PHASE 1 - DOMESTIC & MED GAS - WAITING ROOM

Scale

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P-201.1A

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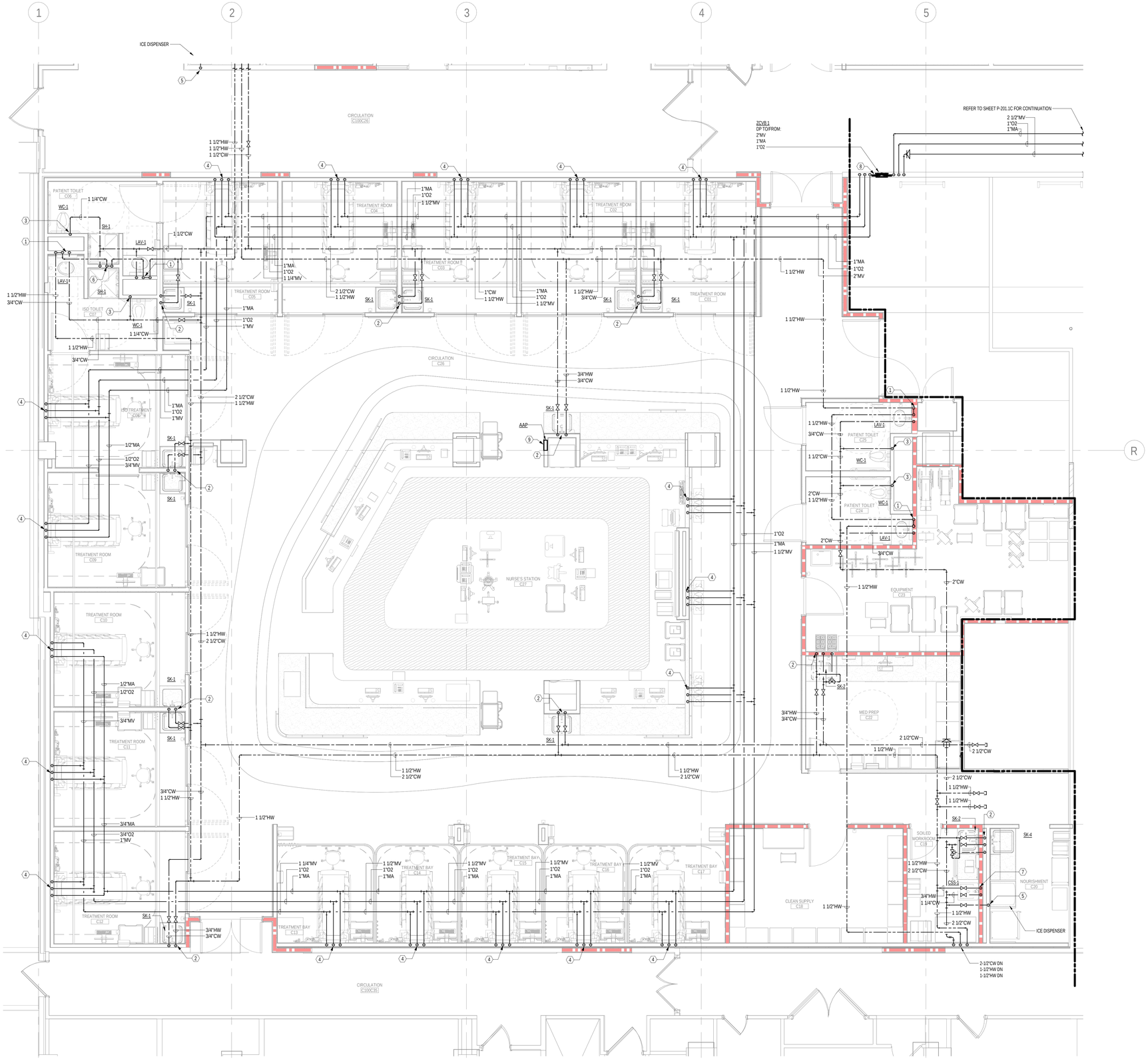

1 LEVEL C PHASE 1 - DOMESTIC & MED GAS - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

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EMERGENCY DEPARTMENT EXPANSION

Project Number
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Description
PLUMBING FLOOR PLAN 1B
LEVEL C PHASE 1 - DOMESTIC & MED GAS - EMERGENCY DEPARTMENT

Scale
1/4" = 1'-0"

P-201.1B

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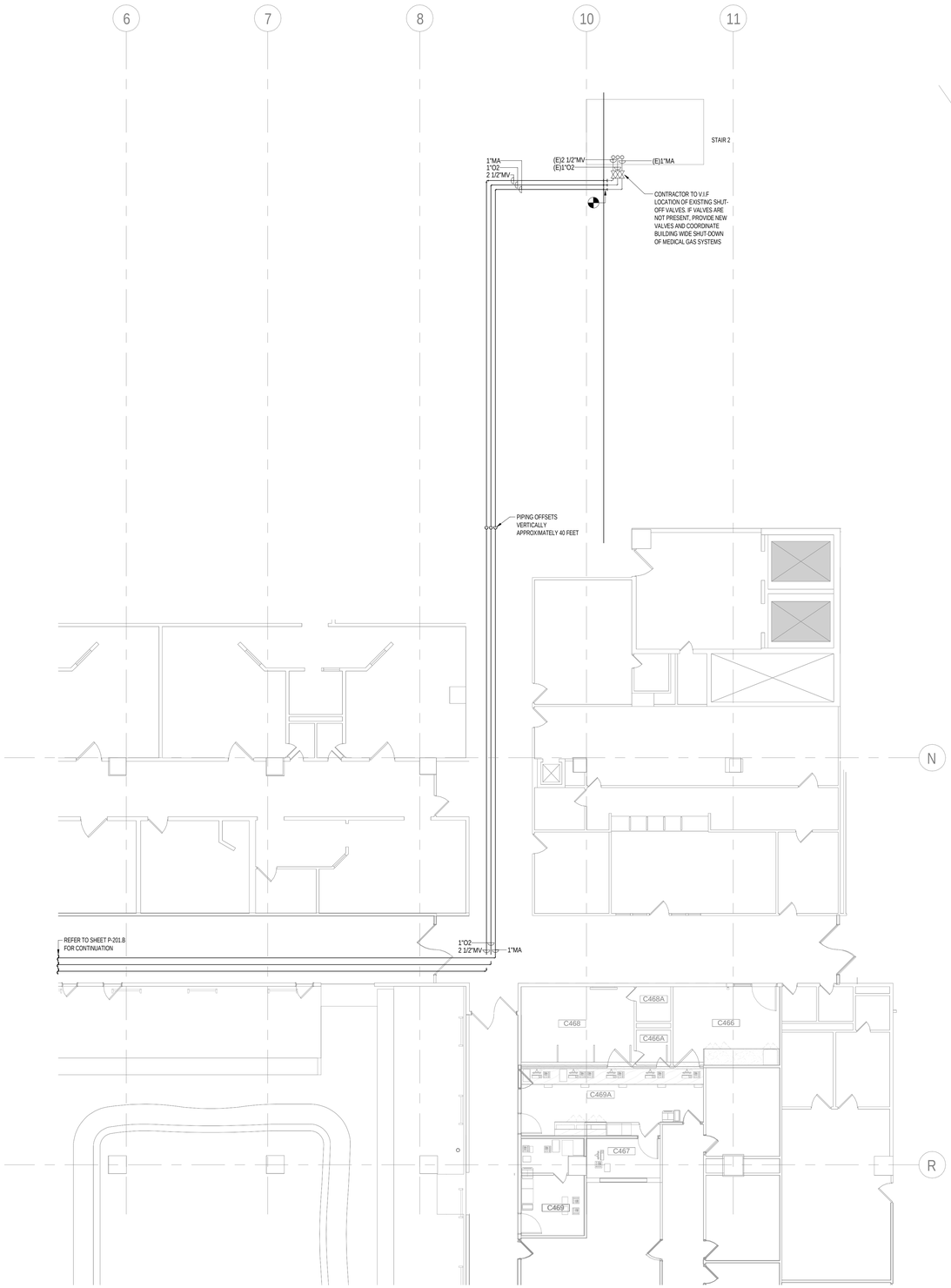
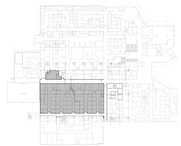


1 LEVEL C PHASE 1 - DOMESTIC & MED GAS TIE IN
SCALE: 1/8" = 1'-0"

KEY PLAN



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Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
PLUMBING FLOOR PLAN 1C
LEVEL C PHASE 1 - DOMESTIC & MED GAS - EMERGENCY DEPARTMENT

Scale
1/8" = 1'-0"

P-201.1C

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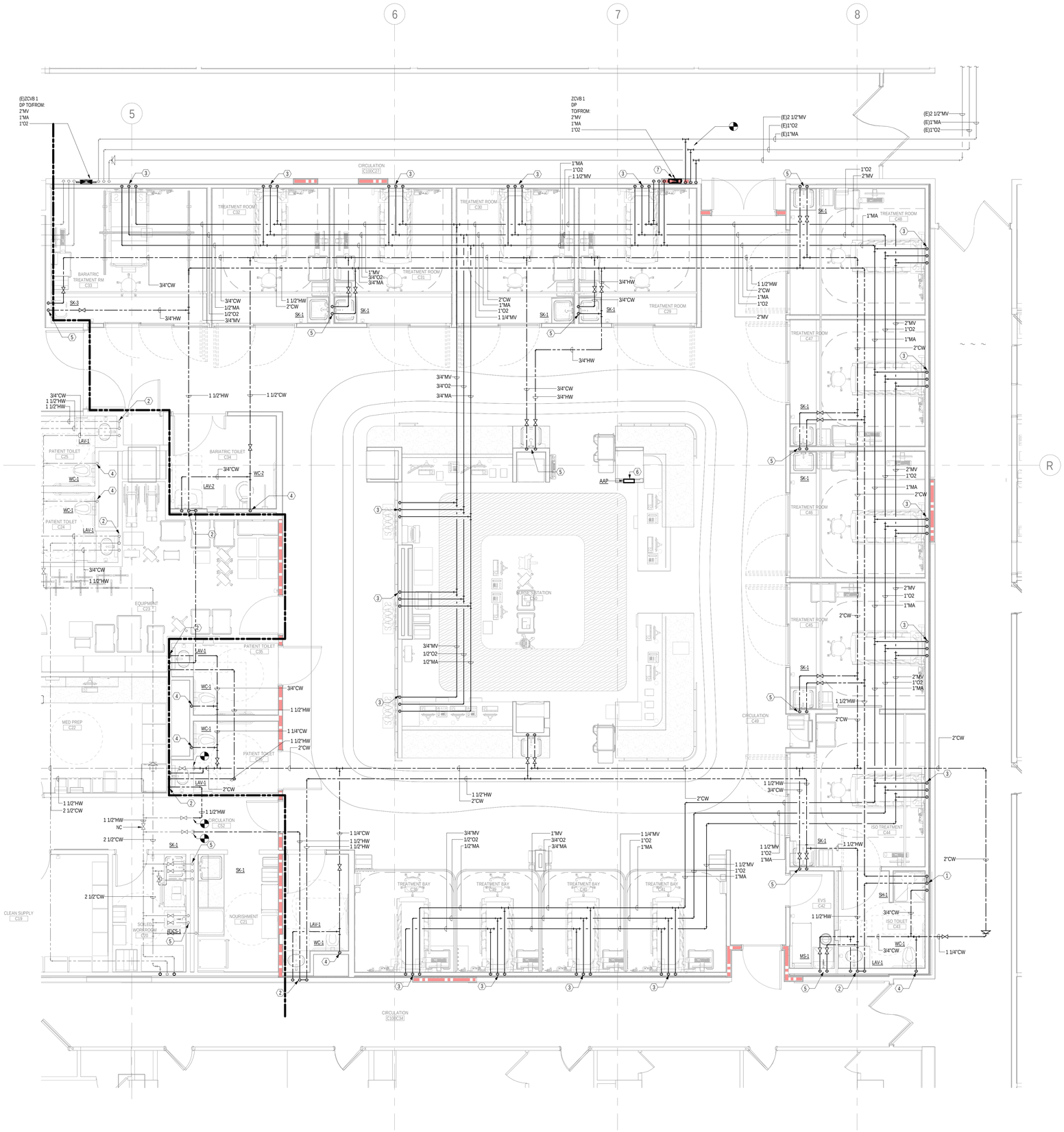
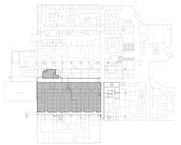


1 LEVEL C PHASE 2 - DOMESTIC & MED GAS - EMERGENCY DEPARTMENT

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

KEY PLAN



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EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

PLUMBING FLOOR PLAN 2
LEVEL C PHASE 2 - DOMESTIC & MED GAS - EMERGENCY DEPARTMENT

Scale

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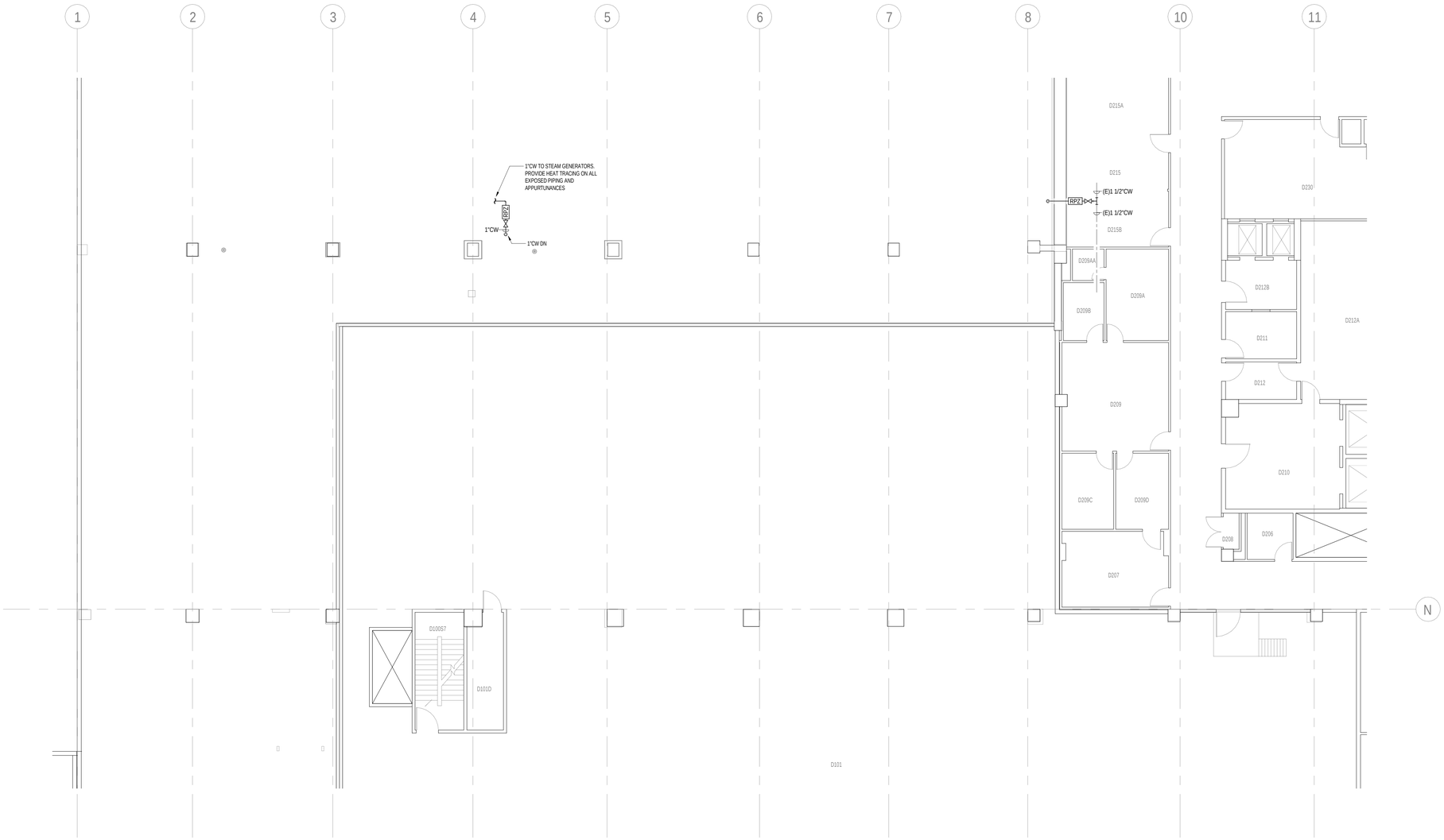
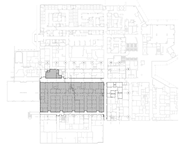


1 LEVEL D PHASE 1 - SANITARY
SCALE: 1/8" = 1'-0"

KEY PLAN



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Description
PLUMBING FLOOR PLAN
LEVEL D PHASE 1 - DOMESTIC & MED GAS

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P-210

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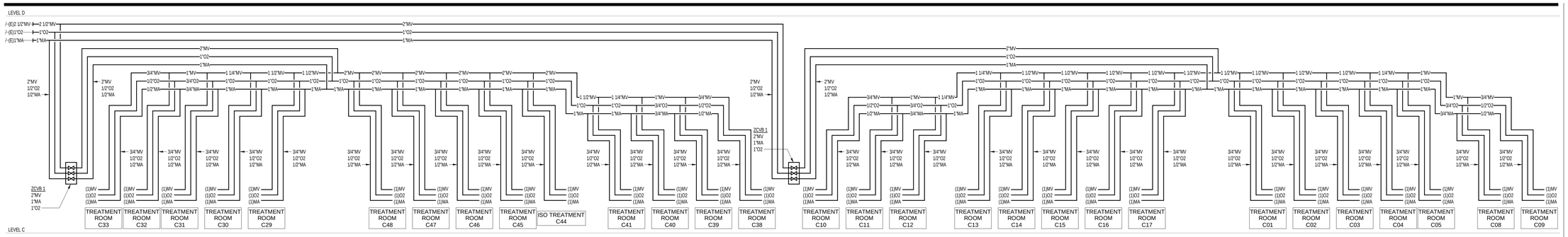
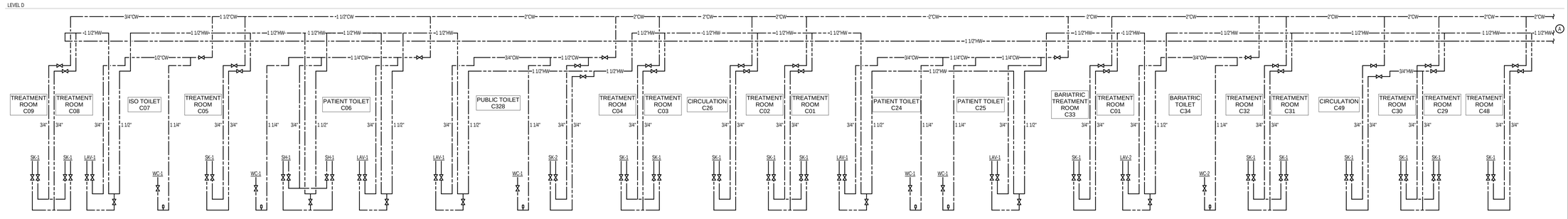
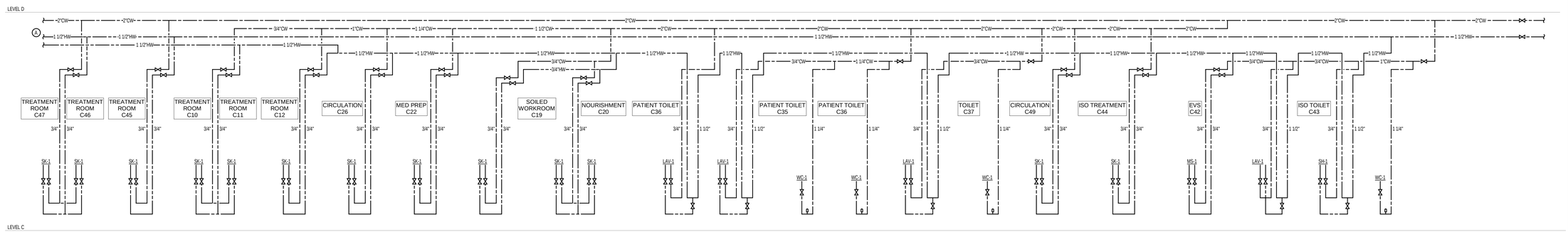


MEDICAL GAS RISER DIAGRAM

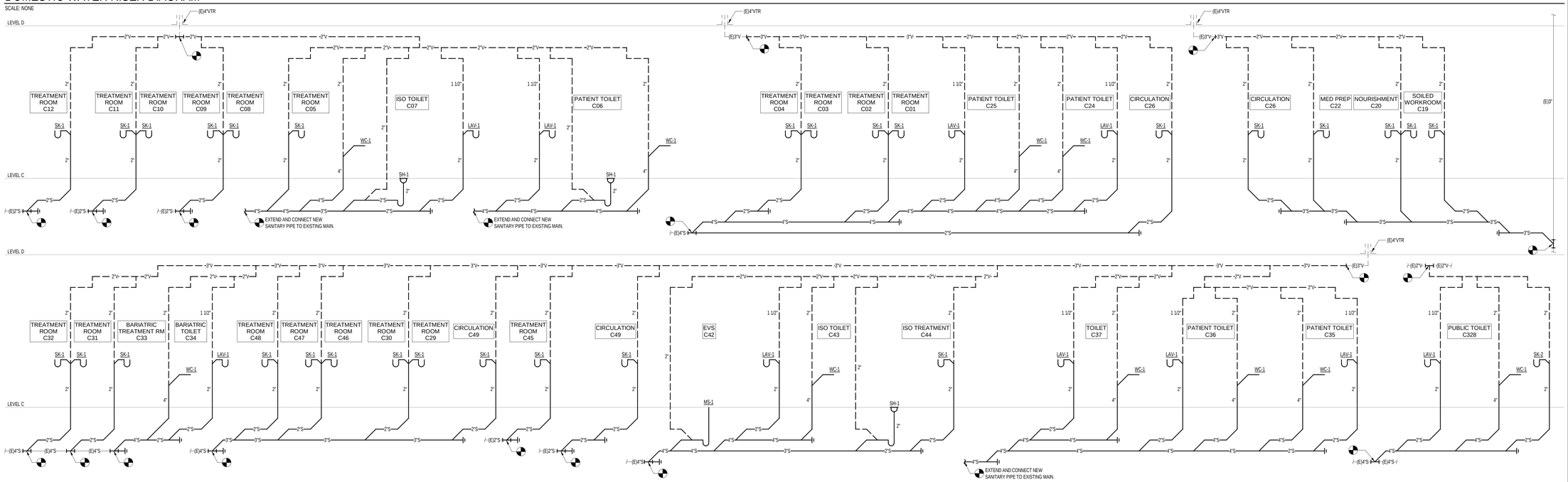
SCALE: NONE





DOMESTIC WATER RISER DIAGRAM

SCALE: NONE



SANITARY RISER DIAGRAM

SCALE: NONE

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230625

Description
PLUMBING RISER DIAGRAMS

Scale
NONE

P-300

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PLUMBING FIXTURE SCHEDULE

NOTES:

1. REFER TO ARCHITECTURAL DOCUMENTS FOR SPECIFIC MANUFACTURER/MODEL AND ASSOCIATED FINISHES OF PLUMBING FIXTURES. SCHEDULE FOR REFERENCE ONLY.
2. EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES/EQUIPMENT SHALL BE AS PER THE ARCHITECTURAL DOCUMENTS.
3. ALL HANDICAP SINKS AND LAVATORIES SHALL BE PROVIDED WITH THERMAL AND IMPACT INSULATION/SHIELDING KITS ON SUPPLIES, TRAPS, TAILPIECES AND WASTE OUTLETS.
4. WATER HAMMER ARRESTORS SHALL BE INSTALLED ON THE WATER SUPPLY TO EACH QUICK CLOSING VALVE. THIS INCLUDES: THE COLD WATER SUPPLY TO ALL FLUSH VALVES; THE HOT AND COLD WATER SUPPLY TO ALL SENSOR FAUCETS; AND ALL STERILIZERS RECEIVING A WATER CONNECTION.
5. PROVIDE ASSE 1070 APPROVED THERMOSTATIC MIXING VALVE AT ALL HAND WASHING FIXTURES (LAVATORIES, SINKS) .

			DESCRIPTION	SERVICE CONNECTION							ACCESSORY MANUFACTURER AND MODEL					
DESIGNATION	MANUFACTURER	MODEL	SUPPORT	S	W	V	CW	HW	G	FLOW RATE	FLUSH VALVE	SEAT	FAUCET	MIXING VALVE	LOCATION	REMARKS
CLINIC SERVICE SINK																
CSS-1	AMERICAN STANDARD	9512999.020	WALL MOUNT	4"		2"	1 1/2"	3/4"			SLOAN REGAL BPW 1100	-	AMERICAN STANDARD 8345.115	-		
SERVICE SINK, MOP BASIN																
MS-1	FIAT	MSB-2424	FLOOR MOUNT		3"	2"	3/4"	3/4"		2.2 GPM	-	-	FIAT 830AA000			
WATER CLOSET																
WC-1	AMERICAN STANDARD	AFWALL FLOWISE 3351.101	WALL MOUNT	4"		2"	1 1/4"			1.28 GPF	AMERICAN STANDARD SELECTRONIC #6065.121.002	AMERICAN STANDARD 5905.100	-	-		BACK OUTLET, BATTERY
WC-2	WILLOUGHBY INDUSTRIES	BETWS-1490-FM-FA	FLOOR MOUNT	4"		2"	1 1/4"			1.28 GPF		CHURCH	-	-	BARIATRIC TOILET	BACK OUTLET
LAVATORY																
LAV-1	CORIAN	INTEGRAL SINK 815P LAVATORY, NO OVERFLOW	COUNTER MOUNT		2"	1 1/2"	3/4"	3/4"		0.5 GPM	-	-	SLOAN SF-2150	POWERS LFE480		PROVIDE TMV AT ALL FIXTURES, BATTERY POWERED
LAV-2	WILLOUGHBY INDUSTRIES	BHS-3123	FLOOR MOUNT		2"	1 1/2"	3/4"	3/4"		0.5 GPM	-	-	SLOAN EAF-250	POWERS LFE480	BARIATRIC TOILET	BATTERY, PROVIDE TMV AT ALL FIXTURES, BATTERY POWERED
SHOWER																
SH-1	FIAT	WTR-4990	FLOOR MOUNT		2"	1 1/2"	3/4"	3/4"		2.0 GPM	-	-	SYMMONS DURO 3603H32115TRMTC	POWERS LFE480		PROVIDE TMV
SINK																
SK-1	ELKAY	LRAD221955	COUNTER MOUNT		2"	1 1/2"	3/4"	3/4"		1.5 GPM	-	-	ELKAY LKB721C			
SK-2	ELKAY	LRAD221955	COUNTER MOUNT		2"	1 1/2"	3/4"	3/4"		1.5 GPM	-	-	ELKAY LKB721C	POWERS LFE480		PROVIDE GUARDIAN G1750 EYEWASH WITH MIXING VALVE
SK-3	ELKAY	LRAD221955	COUNTER MOUNT		2"	1 1/2"	3/4"	3/4"		1.5 GPM	-	-	ELKAY LKB721C			
SK-4	ELKAY	ELUH23710	COUNTER MOUNT		2"	1 1/2"	3/4"	3/4"		1.5 GPM	-	-	ELKAY LKB721C			

A

PLUMBING MATERIAL SCHEDULE

NOTES:

1. ALL MATERIALS SELECTED ON THIS SCHEDULE MUST BE APPROVED BY THE AUTHORITIES HAVING JURISDICTION.
2. ALL PIPING SHALL BE LABELED. PROVIDE PRE-PRINTED, COLOR CODED PIPE LABELS INDICATING SERVICE AND FLOW DIRECTION. REFER TO SPECIFICATIONS.
3. PROVIDE SUPPORTS & RESTRAINTS AT BASE OF ALL STACKS/LEADERS. REFER TO DETAIL ON DRAWINGS.
4. PROVIDE DIELECTRIC COUPLING AT TRANSITION POINT BETWEEN DISSIMILAR METALS. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

	PIPE															FITTINGS										JOINTS												
SYSTEM	CAST IRON SOIL (NO-HUB)	CAST IRON SOIL (HUB & SPIGOT, EXTRA HEAVY)	STEEL (BLACK, SCHEDULE 40)	GALVANIZED STEEL (BLACK, SCHEDULE 40)	STAINLESS STEEL (SEAMLESS 304, SCHEDULE 40)	VACUUM JACKETED STAINLESS STEEL TUBING	COPPER TUBING (TYPE L)	COPPER TUBING (TYPE K, SOFT ANNEALED)	COPPER (TYPE L, MED/OXY)	COPPER (TYPE K, MED/OXY)	DUCTILE IRON (CEMENT LINED, CLASS 56)	POLYPROPYLENE (SCHEDULE 40, PIGMENETED)	POLYPROPYLENE (SCHEDULE 40)	RED BRASS	CPVC (SCHEDULE 80)	CAST IRON (NO HUB)	CAST IRON (HUB & SPIGOT)	GALVANIZED STEEL (SCHEDULE 40)	WROUGHT COPPER/CAST BRASS CAPILLARY	DUCTILE IRON (CLASS 350-LINED)	STAINLESS STEEL (SCHEDULE 40)	VACUUM JACKETED STAINLESS STEEL TUBING	BLACK STEEL	POLYPROPYLENE (SCHEDULE 40)	CPVC	CAULKED	THREADED	SOLDERED (95-5, LEAD FREE)	GALVANIZED RIGID COUPLINGS	BRAZED	PRESS FITTING SYSTEM	NO HUB STAINLESS STEEL (HEAVY DUTY, 4 BAND MIN)	GASKET (PUSH ON)	WELDED	FUSION	MECHANICAL (RESTRAINING)	MECHANICAL	REMARKS
SANITARY/VENT (STACKS & BRANCHES)	•															•																•						PROVIDE SUPPORTS & RESTRAINTS AT BASE OF ALL STACKS/LEADERS. REFER TO DETAIL ON DRAWINGS.
INDIRECT WASTE PIPING (2" & SMALLER)							•												•									•										
DOMESTIC WATER/FIRE SERVICE (2-1/2" & SMALLER)								•											•																	•		
DOMESTIC WATER/FIRE SERVICE (3" & LARGER)											•									•																•		
DOMESTIC WATER (2-1/2" & SMALLER)							•												•									•										
DOMESTIC WATER (3" & LARGER)							•												•											•								
MEDICAL GAS (MA,MV/WAGD,O2,N2,N2O,CO2)										•									•											•								

PLUMBING VALVE SCHEDULE

NOTES:

1. CONTRACTOR SHALL ENSURE THAT THE VALVES MAXIMUM PRESSURE RATING IS ABOVE THE ANTICIPATED IN THAT PART OF THE SYSTEM.
2. ALL INSULATED VALVES SHALL BE PROVIDED WITH STEM EXTENSIONS OF SUFFICIENT HEIGHT TO NOT IMPEDE INSULATION DURING OPERATION.
3. ALL VALVES SHALL BE NSF 61 CERTIFIED.

			JOINT						MATERIAL							PRESSURE RATING								
MANUFACTURER	MODEL	SIZE	FLANGED	THREADED	SOLDER	SOCKET	WAFER STYLE	LUG STYLE	BRASS	STAINLESS STEEL	BRONZE	IRON BODY, BRONZE MOUNTED	ALL IRON	CAST STEEL	DUCTILE BODY	175# WWP	200# WWP	250# WWP	300# WWP	400# WWP	500# WWP	600# WWP	960# WWP	1440# WWP
GATE VALVES																								
NIBCO	S 113LF NRS	3/8" - 3"			•						•								•					
NIBCO	T 113LF NRS	3/8" - 3"		•							•								•					
NIBCO	F 617-0	3" - 12"	•										•				•							
NIBCO	T 617-0	3" - 12"		•									•				•							
CHECK VALVES																								
NIBCO	F 918B	2 1/2"- 12"	•										•				•							
NIBCO	T 918B	2 1/2"- 12"		•									•				•							
NIBCO	T 413YLF	3/8" - 2"		•							•						•							
NIBCO	S413YLF	3/8" - 2"			•						•						•							
BALL VALVES																								
NIBCO	T 585 66 LF NS	1/4" - 3"		•							•											•		
NIBCO	S 585-66 LF NS	3/8" - 3"			•						•											•		
BALANCING VALVE																								
THERMOMEGATECH	CIRCUIT SOLVER #CSUAS-__-115-CV1-TW	xcd		•						•														

PIPE INSULATION SCHEDULE

		INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
SYSTEM	FLUID OPERATING TEMPERATURE RANGE (ºF)	CONDUCTIVITY BTU (IN/(H*FT2*ºF)	MEAN RATING TEMPERATURE (ºF)	<1	1 TO <1-1/2	1-1/2 TO 4	4 TO <8	=>8
HW & HWR	141-200	0.25 - 0.29	125	1.5	1.5	2	2	2
HW & HWR	105-140	0.21 - 0.28	100	1	1	1.5	1.5	1.5
CW	40-60	0.21 - 0.27	75	0.5	0.5	1	1	1

PIPING VOLUME AND MAXIMUM PIPING LENGTHS TABLE

NOTES:

1. ALL POINT-OF-USE WATER HEATERS SERVING PUBLIC LAVATORY FAUCETS SHALL BE INSTALLED SUCH THAT THE MAXIMUM LENGTH OF HOT WATER PIPING IS 2 FEET.

DELETE THIS ROW ONCE ADDRESSED: ENGINEER TO REMOVE TABLE IF PROJECT IS FILED UNDER ASHRAE IN LIU OF NYCECC & THE ASHRAE ECC NOTE ARE UTILIZED.

		MAXIMUM PIPING LENGTH (FEET)	
NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	PUBLIC LAVATORY FAUCETS	OTHER FIXTURES & APPLIANCES
1/2"	1.5	2	20
3/4"	3	0.5	20
1"	5	0.5	13
1-1/4"	8	0.5	8
1-1/2"	11	0.5	6
2" OR LARGER	18	0.5	4

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Project Name

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Project Number

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Description

PLUMBING SCHEDULES

Scale

P-400

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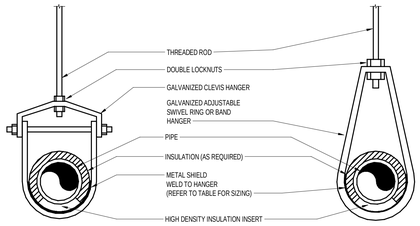
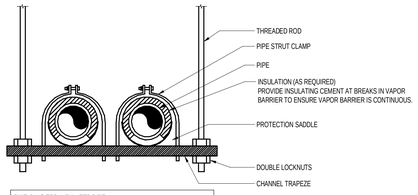




SHIELDING FOR INSULATED PIPE

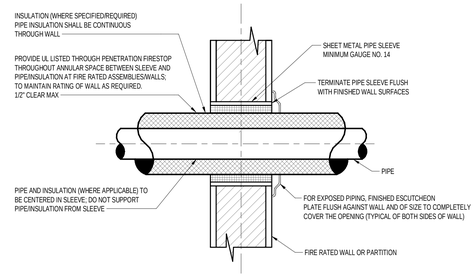
PIPE SIZE (INCHES)	SHIELD LENGTH (INCHES)	SHIELD THICKNESS (GAUGE)
1/2"- 1 1/4"	12	18
1 1/2"	12	18
2"-3"	12	18
4"	12	16
5"-8"	18	16
8"-14"	24	14
16"-24"	24	12

NOTES:

1. FOR SPACING AND TYPE OF SUPPORTS, REFER TO PLUMBING CODE
2. CLEVIS HANGERS REQUIRED ON ALL PIPING 2" AND LARGER.
3. FOR NON-INSULATED OR NON-FERROUS PIPING, PROVIDE RUBBER GASKET/COATED HANGERS.
4. PROVIDE ANCHORAGE TO STRUCTURE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER.

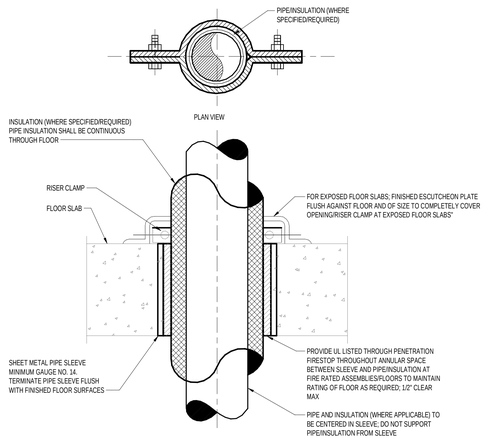
PIPE HANGER

SCALE: NONE



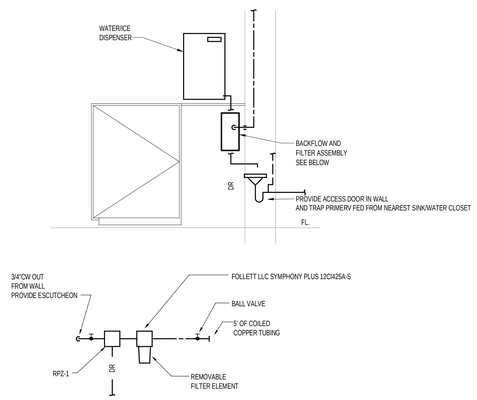
PIPE PENETRATION THRU INTERIOR WALL

SCALE: NONE



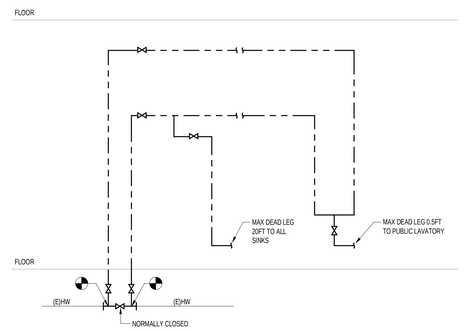
PIPE PENETRATION THRU FLOOR SLAB

SCALE: NONE



NOURISHMENT STATION CONNECTION

SCALE: NONE

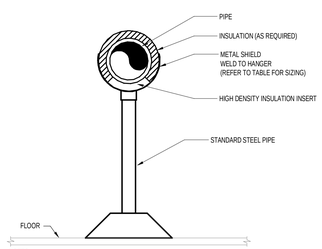


GENERAL NOTES:

1. HOT WATER MAIN TO MATCH EXISTING HOT WATER PIPE SIZE THROUGHOUT. BRANCH PIPING AS INDICATED ON FLOOR PLANS.

HOT WATER PIPING DETAIL

SCALE: NONE



NOTES:

1. PROVIDE ANCHORAGE TO STRUCTURE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER.

PIPE FLOOR SUPPORT

SCALE: NONE

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Date	Description
08.25.2023	DCA SUBMISSION
09.22.2023	ISSUE FOR BID

Seal / Signature

NOT FOR CONSTRUCTION

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

PLUMBING DETAILS

Scale

NONE

P-500

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SECURITY SYMBOL LIST

SECURITY SYMBOLS

XXX XX-YYY	SECURITY CAMERA - DOME FIX = FIXED CAMERA PTZ = POINT, TILT, ZOOM CAMERA 180 = 180 DEGREE CAMERA 360 = 360 DEGREE CAMERA XX = FLOOR YYY = NUMBER
XX-YYY	SECURITY CAMERA - FISHEYE DOME F = FISHEYE CAMERA XX = FLOOR YYY = NUMBER
NVR	NETWORK VIDEO RECORDER
DVR	DIGITAL VIDEO RECORDER
ENC	VIDEO ENCODER
DEC	VIDEO DECODER
ACP	ACCESS CONTROL PANEL
IDP	INTRUSION DETECTION PANEL
CR X	CARD READER B = BIOMETRIC M = MAGNETIC STRIKE P = PROXIMITY K = PROXIMITY/KEYPAD
DC	DOOR CONTACT
WC	WINDOW CONTACT
TH	TRANSFER HINGE (POWER & RX)
EL X	ELECTRIC LOCKSET WITH REX SWITCH R = BUILT-IN REX SWITCH
ES	ELECTRIC STRIKE
ML	ELECTROMAGNETIC LOCK
CB X	CRASH BAR M = MANUAL E = ELECTRIC D = DELAYED EGRESS
ER X	EMERGENCY DOOR RELEASE P = PULL STATION G = BREAK GLASS STATION
RX X	REQUEST TO EXIT M = MOTION DETECTOR P = PUSH BUTTON
DR	DOOR RELEASE BUTTON
DO	DOOR OPENER (AUTOMATIC)
KS	KEY SWITCH
WRX	WIRELESS RECEIVER
DB	DURESS/PANIC BUTTON
GB	GLASS BREAK SENSOR
MD	MOTION DETECTOR
LA	LOCAL ALARM SOUNDER
J1	JUNCTION BOX - 4"LX4"WX4"D
J2	JUNCTION BOX - 6"LX6"WX4"D
FIR	FIRE INTERFACE RELAY (CLASS "E")
IC X	INTERCOM M = MASTER STATION S = SUB STATION
VI X	VIDEO INTERCOM M = MASTER STATION S = SUB STATION
SVR X	SERVER A = ACCESS CONTROL V = VIDEO SURVEILLANCE I = INTERCOM B = BADGING
WKS X	WORKSTATION A = ACCESS CONTROL V = VIDEO SURVEILLANCE I = INTERCOM
MON XX	LED MONITOR XX = SIZE
KVM	KEYBOARD/VIDEO/MONITOR SWITCH
PP X	PATCH PANEL E = ETHERNET F = FIBER OPTIC
MCV X,X	MEDIA CONVERTER C = COAXIAL E = ETHERNET F = FIBER T = TWISTED PAIR
AP	ANNUNCIATOR PANEL
CPS	CAMERA POWER SUPPLY
LPS	LOCK POWER SUPPLY
DPS	DEVICE POWER SUPPLY
UPS	UNINTERRUPTIBLE POWER SUPPLY

SECURITY DEVICE DESIGNATIONS

XX-YYY-ZZZ

X = FLOOR NUMBER
Y = DEVICE TYPE:
Z = SEQUENTIAL NUMBERS

SECURITY ABBREVIATIONS

180	180-DEG CAMERA
360	360-DEG CAMERA
ACP	ACCESS CONTROL PANEL
ACS	ACCESS CONTROL SYSTEM
AMP	AMPERAGE
AP	ANNUNCIATOR PANEL
BAL	VIDEO BALUN
CAB	EQUIPMENT CABINET
CB	CRASH BAR
CPS	CAMERA POWER SUPPLY
CR	CARD READER
DB	DURESS/PANIC BUTTON
DC	DOOR CONTACT
DEC	VIDEO DECODER
DPS	DEVICE POWER SUPPLY
DR	DOOR RELEASE BUTTON
DRM	DUAL READER MODULE PANEL
DVR	DIGITAL VIDEO RECORDER
EC	ELECTRICAL CONTRACTOR
EDR	EMERGENCY DOOR RELEASE
EL	ELECTRIC LOCKSET
ENC	VIDEO ENCODER
EP	EMERGENCY PHONE
ES	ELECTRIC STRIKE
F	FISHEYE LENS CAMERA
FIR	FIRE INTERFACE RELAY
FIX	FIXED CAMERA
FMC	FIBER OPTIC MEDIA CONVERTER
GB	GLASS BREAK SENSOR
GND	GROUND
IC	AUDIO INTERCOM
ICS	INTERCOM SYSTEM
IDP	INTRUSION DETECTION PANEL
IDS	INTRUSION DETECTION SYSTEM
IN	INPUT
INP	INPUT PANEL
ITC	IT CONTRACTOR
JB	JUNCTION BOX
KVM	KEYBOARD/VIDEO/MOUSE
LA	LOCAL ALARM SOUNDER
LPS	LOCK POWER SUPPLY
MD	MOTION DETECTOR
ML	ELECTROMAGNETIC LOCK
MON	LED/LCD MONITOR
MUX	MULTIPLEXOR PANEL
NC	NORMALLY CLOSED
NET	NETWORK
NO	NORMALLY OPEN
NVR	NETWORK VIDEO RECORDER
OUT	OUTPUT
OUTP	OUTPUT PANEL
PB	PUSH BUTTON
PDU	POWER DISTRIBUTION UNIT
PP	PATCH PANEL
PTZ	PANTILT/ZOOM CAMERA
PWR	POWER
RACK	EQUIPMENT RACK
REL	RELAY
RX	REQUEST TO EXIT
SRM	SINGLE READER MODULE PANEL
SVR	SERVER
SW	SWITCH
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
VAC	VOLTS AC
VDC	VOLTS DC
VI	VIDEO/AUDIO INTERCOM
VSS	VIDEO SURVEILLANCE SYSTEM
WC	WINDOW CONTACT
WDB	WIRELESS DURESS/PANIC BUTTON
WKS	WORKSTATION
WTX	WIRELESS TRANSCEIVER
XFMR	TRANSFORMER

SECURITY GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA, UL, ADA AND ALL OTHER GOVERNING AGENCIES HAVING JURISDICTION.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS WHEN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
3. SECURITY CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK AND BECOME FAMILIAR WITH EXISTING CONDITIONS. SECURITY CONTRACTOR SHALL PERFORM THIS PRIOR TO SUBMITTING A PROPOSAL. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN, HAD SUCH AN EXAMINATION BEEN MADE.
4. VERIFY LOCATIONS OF ALL ACCESS CONTROL, INTRUSION, VIDEO SURVEILLANCE AND INTERCOM DEVICES IN FINISHED SPACES WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH.
5. BEFORE PERFORMING ANY INSTALLATION, THE SECURITY CONTRACTOR SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC., AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE SECURITY CONTRACTOR AT HIS OWN EXPENSE SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
6. HOMERUN ALL CABLES VIA CONDUITS, J-HOOKS AND ABOVE ACCESSIBLE CEILINGS DIRECTLY TO THE IDF/SECURITY ROOMS AS INDICATED ON DRAWINGS. ATTACHMENT TO DRYWALL IS NOT ACCEPTABLE.
7. FIRESTOPPING SHALL BE INSTALLED WHEREVER CABLING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION.
8. ALL CUTTING AND PATHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
9. ANY DAMAGE TO PARTITIONS, FLOORS, CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT CAUSED BY THE WORK OF THE SECURITY CONTRACTOR SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.
10. MECHANICAL DOOR LOCK HARDWARE SHALL BE SUPPLIED BY OTHERS. COORDINATE WITH ARCHITECT.
11. COORDINATE ALL ELECTRICAL POWER, CONDUIT AND OUTLET BOX REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
12. ALL J-BOXES & CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. COORDINATION AS REQUIRED.
13. SECURITY CONTRACTOR SHALL PROVIDE ANY AND ALL REQUIRED TROUGH, CONNECTIONS TO OR TRANSITIONS FROM WALLFIELD TROUGH AS REQUIRED.
14. COORDINATE EXACT LOCATIONS, MOUNTING AND FINISHES OF ACCESS CONTROL, INTRUSION, VIDEO SURVEILLANCE AND INTERCOM DEVICES WITH ARCHITECT.
15. COORDINATE PATCH PANEL LOCATIONS, ETHERNET SWITCHING, PORT ALLOCATION, IP ADDRESS INFO AS REQUIRED WITH OWNER.
16. FINAL ACCEPTANCE IS REQUIRED TO BE MADE AFTER THE SECURITY CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
17. PROVIDE SHOP DRAWINGS & SUBMITTALS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
18. SECURITY CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DOCUMENTATION AND ACAD DRAWINGS.

SECURITY INSTALLATION NOTES

1. AREAS OF SECURITY INSTALLATION SHALL BE CLEAN AND SECURE.
2. SECURITY CONDUIT SYSTEM MUST BE COMPLETE WITH ALL CONNECTIONS MADE END TO END.
3. PULL STRING MUST BE INSTALLED IN SECURITY CONDUIT.
4. MILLWORK AND FURNITURE THAT HOUSE SECURITY EQUIPMENT SHALL BE IN PLACE.
5. REQUIRED MODIFICATIONS/BOXES/CUTS TO MILLWORK AND FURNITURE SHALL BE COMPLETE.
6. REQUIRED EQUIPMENT COOLING VENTILATION SHALL BE IN PLACE AND OPERATIONAL.
7. FAILURE TO MEET THE ABOVE REQUIREMENTS MAY RESULT IN ADDITIONAL SECURITY LABOR CHARGES

SECURITY DRAWING LIST

DRAWING No.	DRAWING TITLE
SC-000	SECURITY COVER SHEET
DSC-100	SECURITY DEMOLITION PLAN
SC-101.0	SECURITY FLOOR PLAN 0
SC-101.1A	SECURITY FLOOR PLAN 1A
SC-101.1B	SECURITY FLOOR PLAN 1B
SC-101.2	SECURITY FLOOR PLAN 2
SC-400	SECURITY DETAILS

NJ DCA #5250-33

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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLIGAN
No. GE055959
LICENSED PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

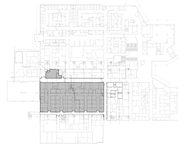
SECURITY COVER SHEET

Scale

NONE

SC-000

KEY PLAN



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DEMOLITION NOTES:

1. REMOVE SECURITY DEVICES WITHIN AREA OF WORK, U.O.N. REMOVE ALL UNUSED CONDUIT, RACEWAYS, WIRE, CABLE, JUNCTION BOXES, AND RELATED SECURITY ACCESSORIES COMPLETELY BACK TO SOURCE.

2. CLIENT RESERVES THE RIGHT OF FIRST REFUSAL IN OWNERSHIP OF ANY EQUIPMENT, ITEMS, AND MATERIALS TO BE REMOVED FROM THE BUILDING AND SITE. UPON REFUSAL, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING MATERIAL FROM THE SITE.

3. INVESTIGATION OF EXISTING SECURITY SYSTEMS WILL BE REQUIRED BY THE CONTRACTOR AS PART OF THE BID PRICE, SO THAT THE EXACT EXTENT OF DEMOLITION CAN BE ACCURATELY DETERMINED. THE CONTRACTOR'S BID PRICE SHALL ALSO COVER REMOVAL OF SOME PORTIONS OF SECURITY SYSTEMS NOT EXPLICITLY SHOWN OF THE DRAWING BUT DISCOVERED DURING THE INVESTIGATION PROCESS. THE CONTRACTOR SHALL WORK WITH THE ARCHITECT, ENGINEER, AND THE OWNER TO DETERMINE WHICH PORTIONS OF EXISTING SYSTEMS MUST REMAIN ACTIVE AND WHICH PORTIONS MUST BE DEMOLISHED.

4. PATCH AND REPAIR ALL FLOOR, WALL, AND CEILING OPENINGS DUE TO DEMOLITION WHICH ARE NOT TO BE REUSED TO MATCH EXISTING CONSTRUCTION.

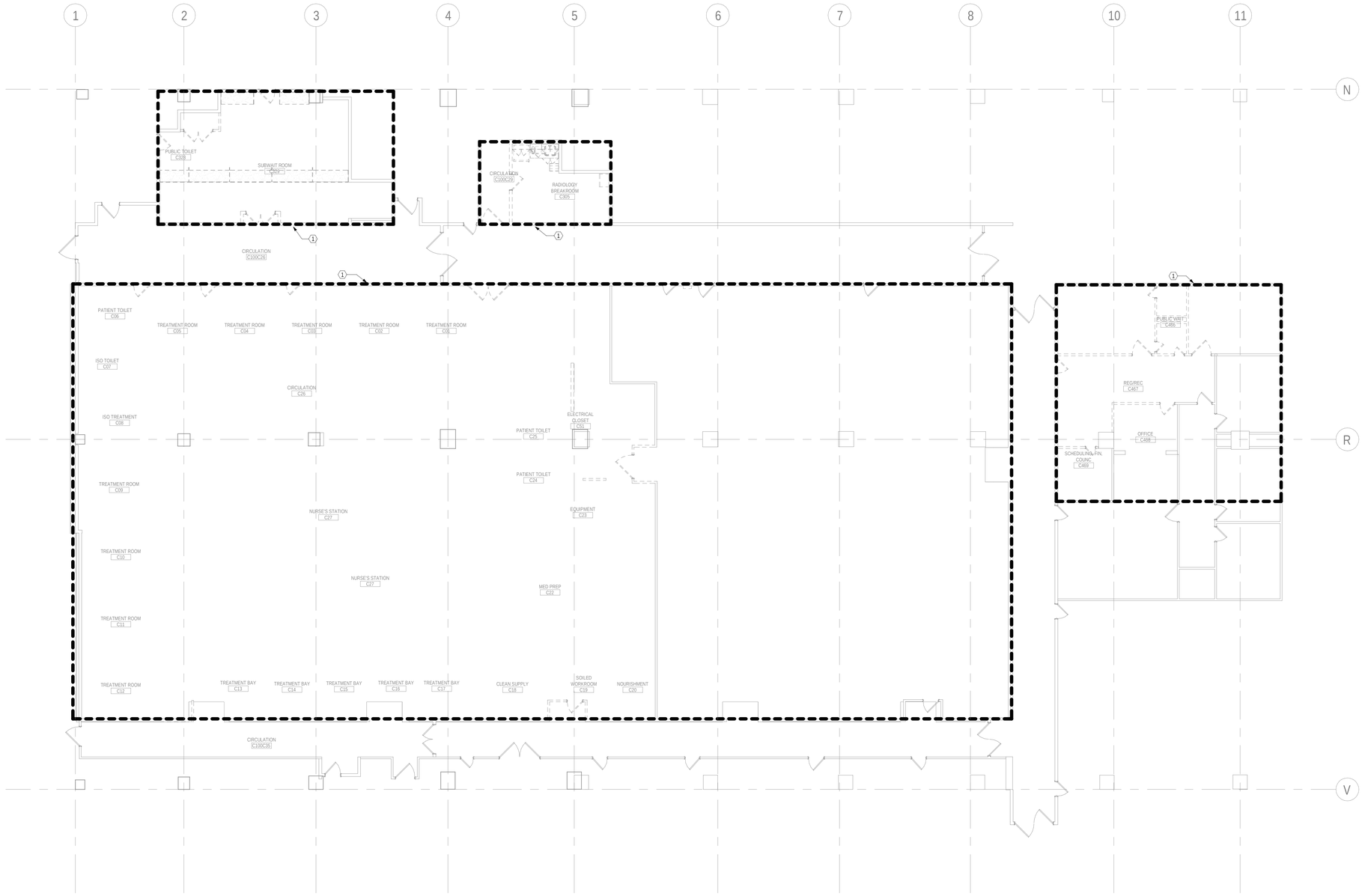
5. CONTRACTOR SHALL PROTECT ALL WALLS, CEILING, FLOORS, LIGHTS, AND OTHER FINISHED SURFACES THAT ARE NOT TO BE REMOVED. IF DAMAGED, CONTRACTOR SHALL PATCH AND REPAIR.

6. REFER TO COVER SHEET SC-000 FOR ADDITIONAL SECURITY DEMOLITION NOTES.

KEY NOTES:

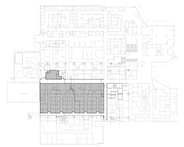
(#) SYMBOL DENOTES KEY NOTE

1 SCOPE OF WORK



1 LEVEL C PHASE 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLIGAN
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
SECURITY DEMOLITION PLAN
LEVEL C PHASE 1

Scale
1/8" = 1'-0"

DSC-100

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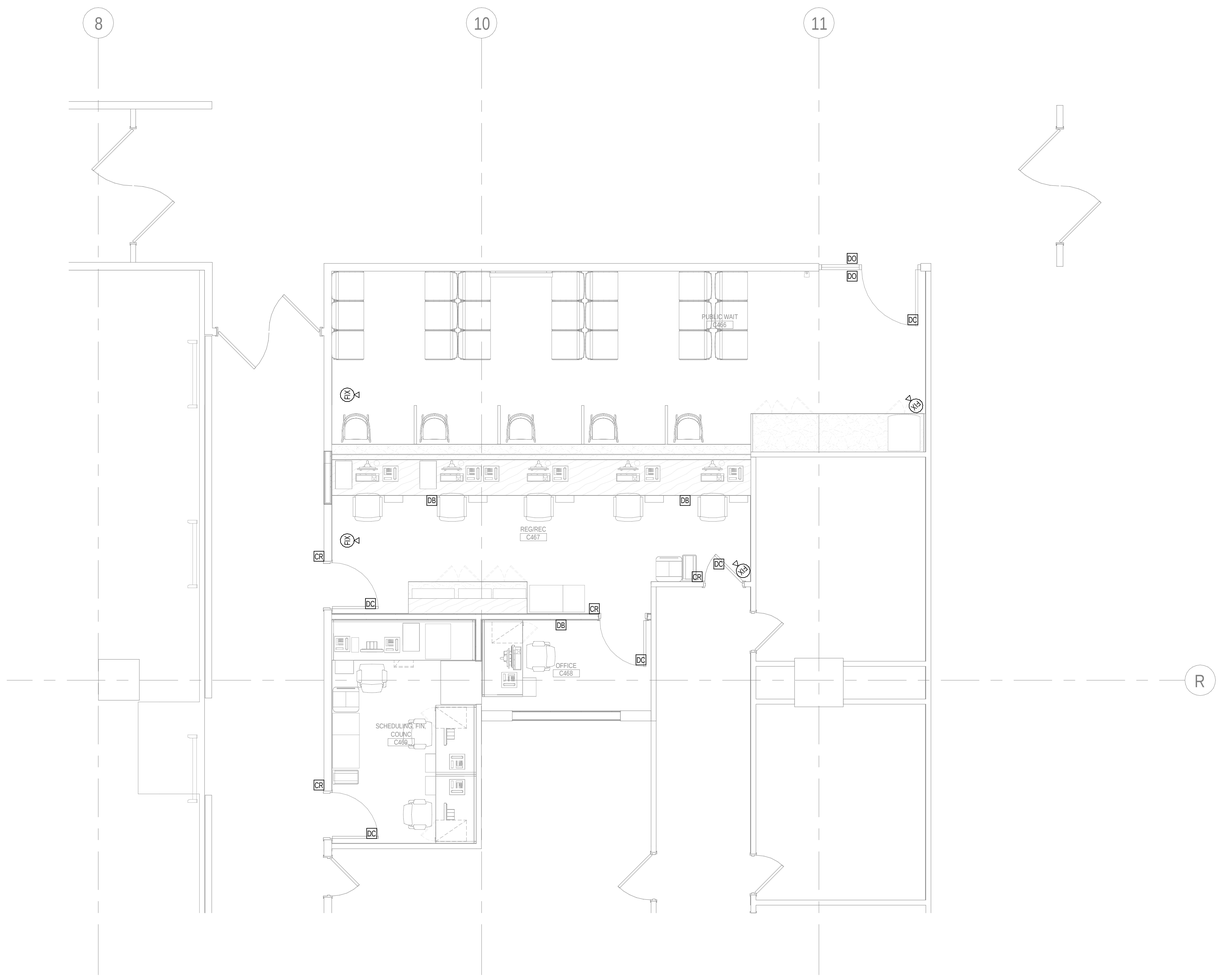
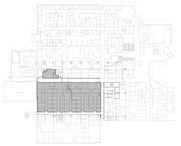
DRAWING NOTES:

1. SEE DRAWING SC-000 FOR SECURITY LEGEND AND GENERAL NOTES.
2. SECURITY CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SECURITY PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.



1 LEVEL C PHASE 1 - RADIOLOGY
SCALE: 1/4" = 1'-0"

KEY PLAN



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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GOLDSTEIN
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
SECURITY FLOOR PLAN 0
LEVEL C PHASE 1 - RADIOLOGY

Scale
1/4" = 1'-0"

SC-101.0

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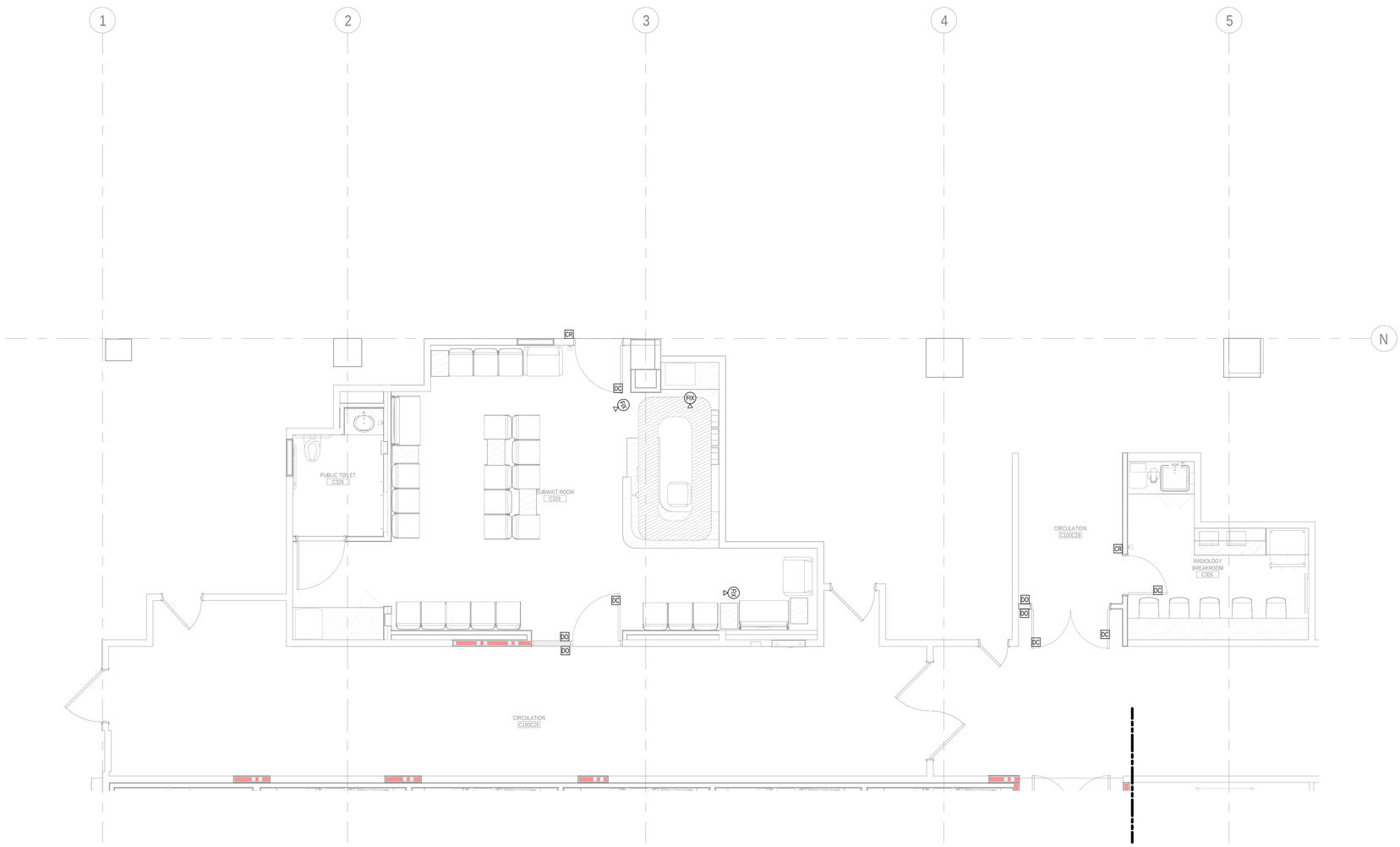
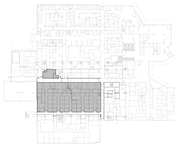
DRAWING NOTES:

1. SEE DRAWING SC-000 FOR SECURITY LEGEND AND GENERAL NOTES.
2. SECURITY CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SECURITY PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.



1 LEVEL C PHASE 1 - WAITING ROOM
SCALE: 1/4" = 1'-0"

KEY PLAN



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Tel 212.382.2100

△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
SECURITY FLOOR PLAN 1A
LEVEL C PHASE 1 - WAITING ROOM

Scale
1/4" = 1'-0"

SC-101.1A

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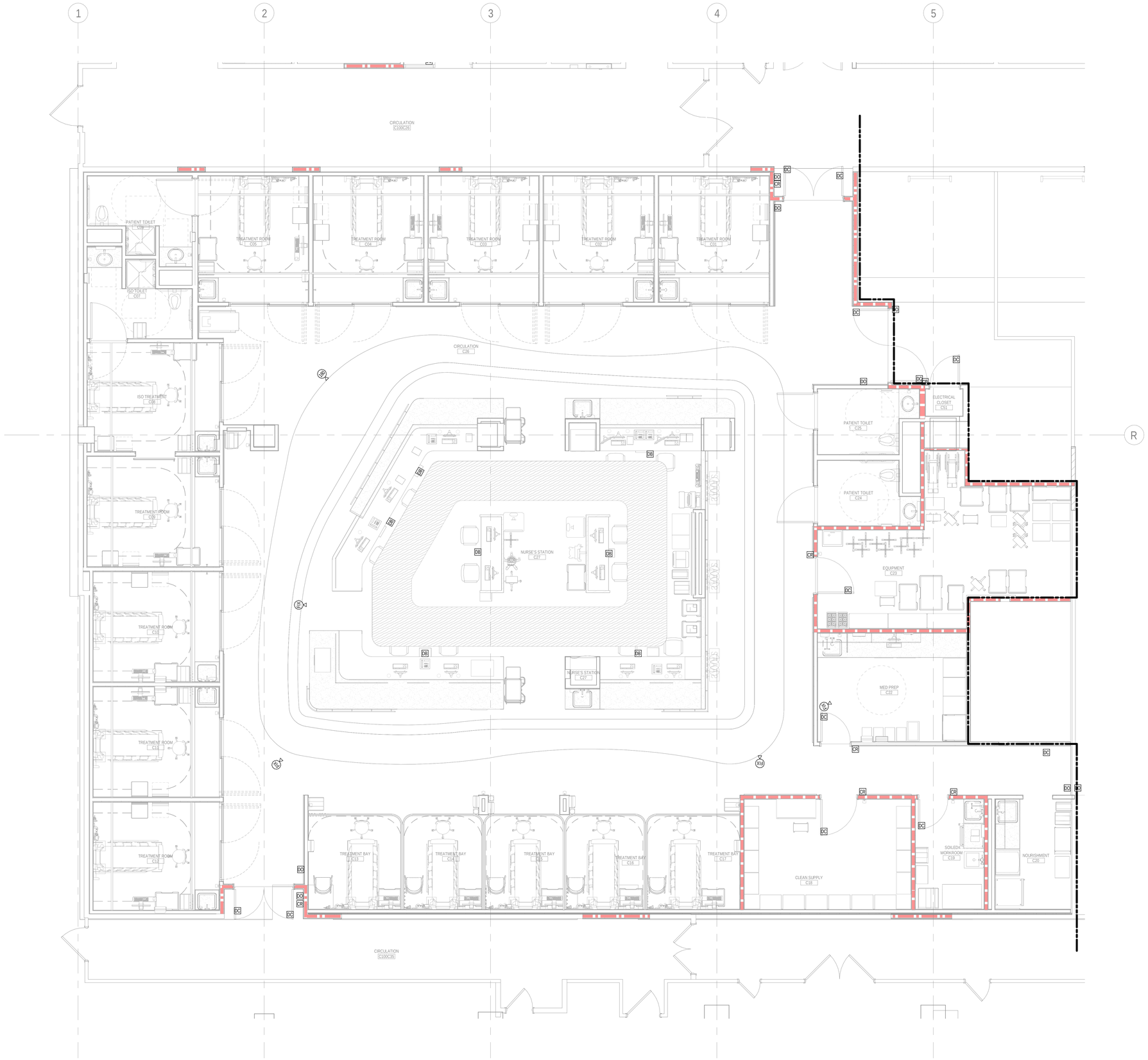


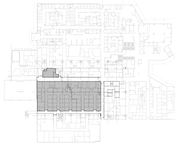
DRAWING NOTES:

1. SEE DRAWING SC-000 FOR SECURITY LEGEND AND GENERAL NOTES.
2. SECURITY CABLING FOR FLOOR SHALL ORIGINATE AND BE SERVED FROM FLOOR TR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SECURITY PATHWAYS WITH OTHER TRADES AND OWNER PRIOR TO STARTING WORK.
4. FIRESTOP ALL CONDUIT SLEEVES/PENETRATIONS WITH APPROVED SEALANT/PUTTY.

1 LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

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

KEY PLAN



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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLISPIE
No. GE035959
LICENSED PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

SECURITY FLOOR PLAN 1B
LEVEL C PHASE 1 - EMERGENCY DEPARTMENT

Scale

1/4" = 1'-0"

SC-101.1B

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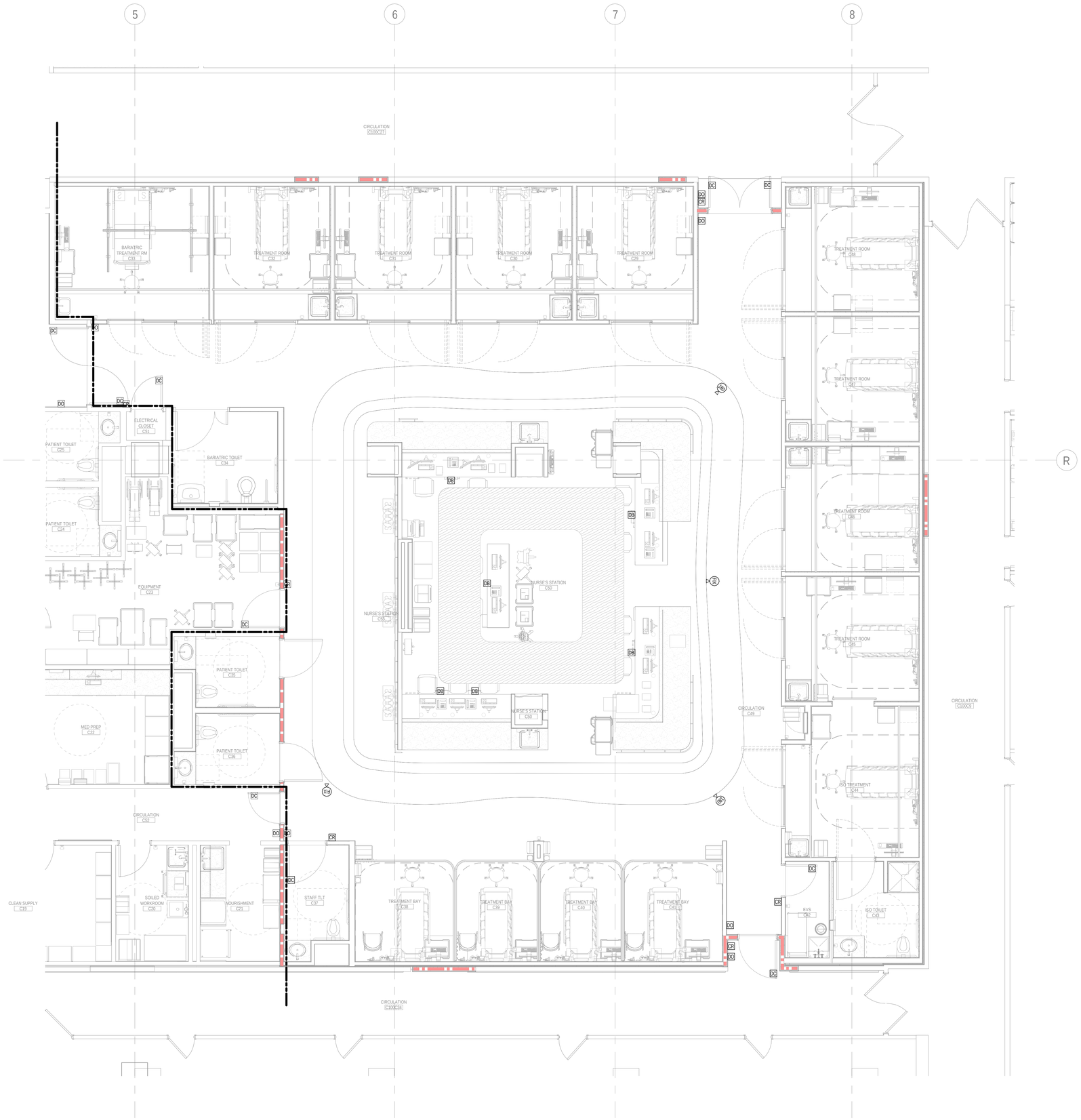
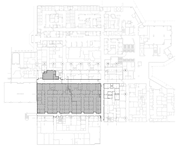


1 LEVEL C PHASE 2 - EMERGENCY DEPARTMENT
SCALE: 1/4" = 1'-0"

KEY PLAN



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△	Date	Description
A	10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name
EMERGENCY DEPARTMENT EXPANSION

Project Number
230625

Description
SECURITY FLOOR PLAN 2
LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

Scale
1/4" = 1'-0"

SC-101.2

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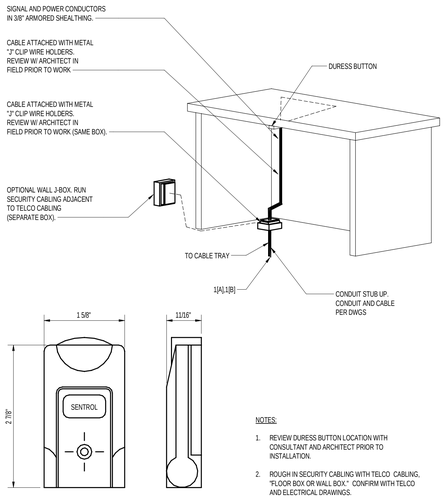
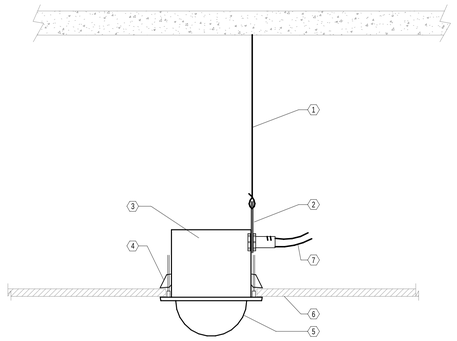


NOTES:

1. REVIEW DURESS BUTTON LOCATION WITH CONSULTANT AND ARCHITECT PRIOR TO INSTALLATION.
2. ROUGH IN SECURITY CABLING WITH TELCO CABLING, "FLOOR BOX OR WALL BOX." CONFIRM WITH TELCO AND ELECTRICAL DRAWINGS.

DURESS BUTTON

SCALE: NONE

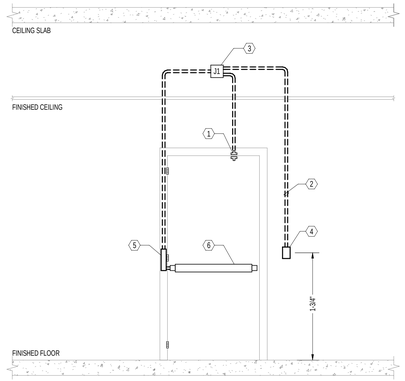


NOTES:

1. SAFETY CORD
2. SAFETY CORD BRACKET
3. VIDEO CAMERA BACKBOX
4. SPRING CLIPS
5. VIDEO CAMERA DOME
6. FINISHED CEILING
7. 3/4" EMT CONDUIT & FITTING

DOME CAMERA INDOOR CEILING MOUNT

SCALE: NONE



NOTES:

1. DOOR POSITION SWITCH (RECESSED)
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE ACCESSIBLE CEILING.
4. CARD READER (UNPROTECTED SIDE) (PROVIDE 2" x 4" x 2-1/8" DEEP JUNCTION BOX)
5. POWER TRANSFER HINGE AND MORTAR JUNCTION BOX
6. REQUEST TO EXIT TOUCH BAR (PROTECTED SIDE)

DOOR CONTACT CARD READER

SCALE: NONE

NJ DCA #5250-33

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Date	Description
A 10.30.2023	ADDENDUM 1

Seal / Signature

STATE OF NEW JERSEY
MICHAEL GILLESPIE
No. GE055959
LICENSED
PROFESSIONAL ENGINEER

Project Name

EMERGENCY DEPARTMENT EXPANSION

Project Number

230625

Description

SECURITY DETAILS
LEVEL C PHASE 2 - EMERGENCY DEPARTMENT

Scale

NONE

SC-400

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GENERAL NOTES

1. COMPLY WITH THE NEW JERSEY BUILDING CODE LATEST AMENDED EDITION AND ALL OTHER GOVERNING CODES.
2. ALL CONSTRUCTION METHODS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 33 OF THE NEW JERSEY BUILDING CODE, "SAFEGUARDS DURING CONSTRUCTION".
3. THE CONTRACTOR SHALL DO THE FOLLOWING:
   A. VERIFY ALL EXISTING CONDITIONS, SUCH AS THE LOCATIONS OF EXISTING STRUCTURAL AND ARCHITECTURAL ELEMENTS AND DIMENSIONS OF EXISTING CONSTRUCTION. DIMENSIONS SHOWN ARE PER INFORMATION PROVIDED BY THE ORIGINAL STRUCTURAL DRAWINGS OR ARE ASSUMED.
   B. SUBMIT TO THE ENGINEER FOR REVIEW A WRITTEN REPORT INDICATING ACTUAL FIELD CONDITIONS WHICH MAY VARY FROM INFORMATION INDICATED ON THE DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD BEFORE PROCEEDING.
   C. COORDINATE THE EXISTING STRUCTURE WITH THE NEW STRUCTURAL ELEMENTS PRIOR TO DEMOLITION, FABRICATION AND CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCURATE COORDINATION OF THE ARCHITECTURAL, STRUCTURAL, HVAC, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.
   D. REQUEST CLARIFICATION REGARDING DISCREPANCIES FOUND IN THE CONSTRUCTION DOCUMENTS. IN ANY CASE OF CONFLICT, BETWEEN THE NOTES, DETAILS, AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.
   E. HIRE A NEW YORK REGISTERED PROFESSIONAL ENGINEER FOR THE DESIGN OF ALL SHORING, BRACING, UNDERPINNING, AND OTHER ELEMENTS USED TO SUPPORT THE STRUCTURE DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING CONDITIONS OF PUBLIC AND WORKER SAFETY DURING EXECUTION OF THE WORK. THIS SHALL INCLUDE COMPLIANCE WITH ALL OSHA REGULATIONS, AND ALL STATE AND LOCAL LAWS WHICH MAY GOVERN THIS TYPE OF WORK.
5. SUBMIT TO ENGINEER TWO COPIES EACH OF MATERIAL SPECIFICATIONS, ERECTION AND DETAIL DRAWINGS, ETC., OF ALL STRUCTURAL MATERIALS AND CONNECTIONS SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO PERMIT ADEQUATE TIME FOR REVIEW (10 WORKING DAYS MIN.). ENGINEER TO MARK UP ONE COPY AND FORWARD TO ARCHITECT.
6. THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER ARE NOT RESPONSIBLE FOR ACCURACY OF THE EXISTING CONDITIONS INFORMATION. EXISTING CONSTRUCTION AT AREAS WHERE NEW WORK IS NOT CONTEMPLATED MAY NOT BE COMPLETELY SHOWN.
7. PATCH AND REPAIR EXISTING CONDITIONS DAMAGED DURING THE COURSE OF NEW CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

SPECIAL INSPECTION NOTES (NYC)

1. THE FOLLOWING MATERIALS AND METHODS OF CONSTRUCTION SHALL BE SUBJECT TO "SPECIAL INSPECTION" IN ACCORDANCE WITH CHAPTER 17 OF NEW JERSEY BUILDING CODE:
   A. STRUCTURAL STEEL - WELDING
   B. STRUCTURAL STEEL - DETAILS
   C. STRUCTURAL STEEL - HIGH STRENGTH BOLTING
   D. SPRAYED FIRE-RESISTANT MATERIALS
   E. POST-INSTALLED ANCHORS
2. A SPECIAL INSPECTOR HIRED BY THE OWNER SHALL SUPERVISE THE TESTING AND INSPECTION OF THE ABOVE ITEMS.
3. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE INSPECTOR FOR ALL ITEMS REQUIRING INSPECTION A MINIMUM OF 72 HOURS PRIOR TO COMMENCEMENT OF THAT PORTION OF WORK. FOR ON-GOING INSPECTIONS THE CONTRACTOR SHALL PROVIDE 24 HRS ADVANCE NOTICE BEFORE INSPECTION.
4. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS AND MEANS TO ALLOW THE ABOVE TESTING AND/OR INSPECTION REQUIREMENTS TO BE COMPLETED IN A MANNER CONSISTENT WITH APPLICABLE OSHA, STATE, AND LOCAL DOB REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE SCAFFOLDING, PERSONNEL HOISTS OR ANY OTHER EQUIPMENT NECESSARY TO ACCESS AREAS SUBJECT TO INSPECTIONS.
5. INSPECTION DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO PROVIDE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PROVIDE THE CONTRACTORS INDEPENDENT QUALITY CONTROL. THE INSPECTOR IS NOT RESPONSIBLE FOR PROVIDING "QUALITY CONTROL" SERVICES FOR THE CONTRACTOR.

STRUCTURAL STEEL NOTES

1. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITIONS.
2. ALL BOLTING SHALL CONFORM TO THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", LATEST EDITION.
3. ALL WELDING SHALL CONFORM TO THE AWS CODE D1.1 "STRUCTURAL WELDING CODE – STEEL", LATEST EDITION.
4. THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ENGINEER OF RECORD, FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL. ERECTION DRAWINGS AND JOB STANDARDS DESCRIBING TYPICAL CONNECTION DETAILS AND CAPACITIES SHALL BE SUBMITTED AND APPROVED PRIOR TO THE START OF PIECE DETAILING.
5. UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS, ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY A NEW JERSEY STATE PROFESSIONAL ENGINEER HIRED BY THE FABRICATOR. CALCULATIONS SHALL BEAR THE SEAL AND SIGNATURE OF THIS ENGINEER. DETAILING SHALL BE PERFORMED USING RATIONAL ENGINEERING DESIGN AND STANDARD PRACTICES, PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONCEPTUAL DETAILS SHOWN ON DRAWINGS DO NOT INDICATE THE REQUIRED NUMBER OF BOLTS OR WELD SIZES, UNLESS SPECIFICALLY NOTED.
6. ALL STAIR STRUCTURES AND MISCELLANEOUS STEEL SHALL BE DESIGNED AND DETAILED BY A NEW JERSEY STATE REGISTERED PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR. THE STAIR FABRICATOR/ERECTOR SHALL SUBMIT TO THE ENGINEER OF RECORD, FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, ERECTION DIAGRAMS, AND CALCULATIONS. ALL STAIR STEEL SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BEAR THE SEAL AND SIGNATURE OF THE CONTRACTOR'S ENGINEER.
7. ALL STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING UNLESS OTHERWISE NOTED:

WIDE FLANGES	ASTM A992 GR 50
SQUARE OR	ASTM A500-GR B,
ROUND TUBE	Fy=46 KSI
PIPES	ASTM A53, Fy=35 KSI
ANGLE AND CHANNEL	ASTM A36
STAINLESS STEEL	AISI 304 OR AISI 316
ANCHOR BOLTS/RODS	ASTM F1554
HIGH STRENGTH BOLTS	ASTM A325 OR A490 (MIN. ¾" DIAM. UNO)
HARDENED WASHERS	ASTM F436
DTI WASHERS	ASTM F959
PLATE	ASTM A572 GR 50

8. THE FOLLOWING CONNECTIONS SHALL USE SLIP-CRITICAL BOLTS:

   BEAM-TO-COLUMN MOMENT CONNECTIONS
   BEAM-TO-GIRDER MOMENT CONNECTIONS
   WEB SHEAR CONNECTIONS FOR MOMENT CONNECTED BEAMS
   BOLTED BRACE CONNECTIONS
   BOLTED COLUMN SPLICES

   ALL OTHER CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UTILIZING FULLY PRETENSIONED HIGH-STRENGTH BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE, UNLESS NOTED OTHERWISE.
9. ALL BOLTS IN SLIP CRITICAL CONNECTIONS SHALL UTILIZE DIRECT TENSION INDICATOR WASHERS AND HARDENED WASHERS. DIRECT TENSION INDICATOR WASHERS SHALL COMPLY WITH ASTM 959 AND BE AS MANUFACTURED BY TURNASURE LLC. INSTALL PER RCSC AND MANUFACTURER'S RECOMMENDATIONS.
10. FOR PRETENSIONED AND SLIP CRITICAL JOINTS, PERFORM PRE-INSTALLATION VERIFICATION WITH A TENSION CALIBRATOR (SKIDMORE-WILHELM) AS REQUIRED BY RCSC SECTION 7.
11. MINIMUM SHEAR CONNECTION CAPACITIES SHALL BE AS SHOWN BELOW, UNLESS NOTED OTHERWISE. THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO (2):

MINIMUM SHEAR CAPACITIES (SERVICE LOAD)

W4	6 KIPS	W21	70 KIPS
W5	6 KIPS	W24	75 KIPS
W6	6 KIPS	W27	90 KIPS
W8	10 KIPS	W30	115 KIPS
W10	15 KIPS	W33	135 KIPS
W12	25 KIPS	W36	160 KIPS
W14	35 KIPS	W40	185 KIPS
W16	45 KIPS	W44	210 KIPS
W18	60 KIPS		

DESIGN CHANNEL AND TUBE MEMBERS FOR THE SAME LOAD AS THE SAME DEPTH OF W SHAPE. BEAM REACTIONS EXCEEDING THE ABOVE MINIMUM SHEAR CAPACITIES ARE NOTED ON THE DRAWINGS AND BOXED THUS [–K) AT EACH END OF THE BEAM. DESIGN CONNECTIONS FOR AXIAL FORCES ARE DENOTED [–A). CONNECTION FORCES GIVEN ON PLAN ARE UNFACTORED AND IN KIPS. THE CONNECTION PATTERN SHALL ENGAGE AT LEAST ½ THE DEPTH OF BEAM.

ALL BEAM TO COLUMN CONNECITON SHALL BE DESIGNED TO PROVIDE AXIAL CAPACITY IN ADDITION TO THE SHEAR GIVEN ABOVE. THESE CONNECTIONS SHALL BE DESIGNED AND DETAILED TO HAVE SIMILAR ROTATION DUCTILITY AS SIMPLE SHEAR CONNECTIONS. UNLESS NOTE OTHERWISE MOMENT INDICATED ON THE DRAWINGS. AXIAL CAPACITY SHALL BE 30 KIPS PLUS SHOWN ON PLAN UNLESS NOTED OTHERWISE.

12. MOMENT CONNECTION SPLICES SHALL DEVELOP THE FULL PLASTIC BENDING CAPACITY OF THE BEAM = Fy* Zx/OMEGA AND SHALL HAVE A SHEAR CAPACITY PER STEEL NOTES UNLESS NOTED OTHERWISE.

    MOMENT CONNECTIONS SHALL DEVELOP THE FULL PLASTIC BENDING CAPACITY OF THE BEAM = Fy * Zx/Ω AND SHALL HAVE A SHEAR CAPACITY OF 2*Fy * Zx/((0"BEAM LENGTH) PLUS THE SHEAR CAPACITY REQUIRED PER STEEL NOTES UNLESS NOTED OTHERWISE.

    ALL BRACE CONNECTIONS SHALL DEVELOP THE FULL TENSION CAPACITY OF THE MEMBER = Pn/Ω, UNO.
13. ALL WELDING SHALL BE PERFORMED BY NEW YORK CITY LICENSED WELDERS.
14. MINIMUM FILLET WELD SIZES SHALL COMPLY WITH THE AISC, BUT SHALL NOT BE LESS THAN 1/4 INCH, UNLESS NOTED OTHERWISE.
15. ALL FIELD WELDING ELECTRODES SHALL BE E70XX LOW HYDROGEN. SHOP WELDING ELECTRODES SHALL BE E70XX LOW HYDROGEN OR E7018 GRADE D. ALL FILLER METAL SHALL HAVE A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT. LBS. AT MINUS 20 DEGREES F.
16. SHOP AND FIELD TESTING OF WELDS AND BOLTS SHALL BE AS FOLLOWS:
    A. ALL WELDS SHALL BE VISUALLY INSPECTED. 15% AT RANDOM SHALL BE MEASURED.
    B. FILLET WELDS FOR BEAM AND GIRDER SHEAR CONNECTION PLATES (15 % AT RANDOM) SHALL BE CHECKED BY MAGNETIC PARTICLE FOR FINAL PASS ONLY.
    C. ULTRASONICALLY TEST 100% OF ALL FULL PENETRATION WELDS.
    D. CHECK ALL PRETENSIONED BOLTS BY EITHER THE T/C METHOD OR BY CALIBRATED TORQUE WRENCH. IN EACH SHEAR CONNECTION, CHECK 100% OF BOLTS WHEN USING T/C METHOD AND 25% OF BOLTS WITH OTHER METHOD FOR EACH SHEAR CONNECTION, BUT NOT LESS THAN TWO (2) BOLTS PER CONNECTION.
    E. CHECK ALL SLIP CRITICAL BOLTS WITH THE "DIRECT TENSION INDICATOR" METHOD. ALL BOLTS SHALL BE VISUALLY INSPECTED. MEASURE WITH FEELER GAGES, AT LEAST 15 PERCENT OF BOLTS IN EACH CONNECTION, BUT NOT LESS THAN TWO BOLTS PER CONNECTION.
    F. THE OWNER'S SPECIAL INSPECTOR OR TESTING AGENCY SHALL PERFORM ALL SHOP AND FIELD INSPECTION AND TESTING AS OUTLINED ABOVE
17. FABRICATE SIMPLY SUPPORTED BEAMS WITH NATURAL CAMBER UP, FABRICATE CANTILEVER BEAMS WITH NATURAL CAMBER DOWN, UNLESS NOTED OTHERWISE.
18. GAS OR ARC CUTTING OF NEW OR EXISTING SECTIONS IS NOT ALLOWED. GAS OR ARC CUTTING TO ENLARGE EXISTING OR NEW BOLT HOLES IS NOT ALLOWED. GAS OR ARC CUTTING TO CREATE NEW HOLES IN EXISTING OR NEW STEEL IS NOT ALLOWED.
19. FIELD FABRICATED BEAM SPLICES AND FIELD CUTTING OF STRUCTURAL STEEL MEMBERS ARE NOT ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
20. ALL NEW HOLES IN EXISTING AND NEW STEEL SHALL BE DRILLED.
21. ALL NEW BEAMS INSTALLED ADJACENT TO PROPOSED FLOOR OPENINGS THROUGH THE EXISTING FLOOR CONSTRUCTION SHALL BE ERECTED, SHIMMED AND DRY PACKED WHERE REQUIRED, PRIOR TO THE CUTTING OF EXISTING FLOOR CONSTRUCTION.
22. ALL STEEL EXPOSED TO WEATHER OR AS INDICATED SHALL BE HOT DIP GALVANIZED PER ASTM A123, 2 OZ. PER SQ. FOOT MINIMUM DEPOSITION, INCLUDING DUNNAGES, STEEL LINTELS, SHELF ANGLES, LINTEL HANGERS, AND ALL OTHER STEEL FRAMING OUTSIDE THE BUILDING ENVELOPE.
23. STEEL PROTECTED FROM WEATHER IN THE FINISHED STRUCTURE, OR WHERE INDICATED, SHALL BE PRIMED UNLESS NOTED OTHERWISE BY ARCHITECT.
24. STRUCTURAL STEEL TO BE FIREPROOFED SHALL NOT BE PAINTED, AND SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS PRIOR TO FIREPROOFING APPLICATION.
25. FIREPROOF ALL NEW STRUCTURAL STEEL AND ANY EXISTING STRUCTURAL STEEL EXPOSED DURING THE WORK AS REQUIRED TO MAINTAIN HOURLY RATING, UNLESS NOTED OTHERWISE. CONSULT WITH ARCHITECT REGARDING REQUIRED RATINGS AND FIREPROOFING.
26. ALL STEEL THAT REMAINS EXPOSED TO VIEW IN THE FINISHED STRUCTURE SHALL CONFORM TO THE REQUIREMENTS OF ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS), UNLESS NOTED OTHERWISE.

CONCRETE CORING NOTES

GC TO SCAN STRUCTURAL SLAB USING GPR TO LOCATE EXISTING REBAR PRIOR TO CORING SLAB. GC SHALL AVOID EXISTING REBAR WHEN MAKING CORES. NO EXISTING REBAR SHALL BE DAMAGED.

POST INSTALLED ANCHOR NOTES

1. ALL MECHANICAL AND ADHESIVE ANCHORS INTO CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 355, ANCHORING TO CONCRETE, MOST RECENT VERSION, AND HAVE AN ICC-ES APPROVAL FOR USE IN CRACKED AND UNCRACKED CONCRETE.
2. ALL MECHANICAL AND ADHESIVE ANCHORS INTO MASONRY SHALL HAVE AN ICC-ES APPROVAL FOR USE IN MASONRY.
3. INSTALLATION OF ALL POST-INSTALLED ANCHORS IS SUBJECT TO SPECIAL INSPECTION PER NYC BUILDING CODE SECTION 1705.37. NO ADHESIVE ANCHORS SHALL BE INSTALLED WITHOUT INSPECTOR PRESENT.
4. SHOP DRAWINGS SHALL BE SUBMITTED SHOWING THE LOCATION, QUANTITY, BRAND, TYPE, SIZE AND EMBEDMENT OF ALL POST-INSTALLED ANCHORS.
5. CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 2500 PSI AT THE TIME OF ANCHOR INSTALLATION.
6. ANCHORS SHALL BE STORED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, INCLUDING BUT NOT LIMITED TO DRILL BIT SIZE AND TYPE, CLEANING PROCEDURE, SET TIMES AND INSTALLATION TORQUE.
7. REBAR SHALL NOT BE BENT AFTER BEING ADHESIVELY ANCHORED TO CONCRETE.
8. ALL PERSONNEL INSTALLING ADHESIVE ANCHORS SHALL BE CERTIFIED TO PERFORM THAT WORK EITHER BY THE ANCHOR MANUFACTURER OR BY ACI.
9. IF THE CAPACITY OF ANY ANCHORS IS IN DOUBT, PROVIDE LOAD TESTING AS DIRECTED BY EOR TO CONFIRM CAPACITY.

A

CONCRETE CORING NOTES

1. GC TO SCAN STRUCTURAL SLAB USING GPR TO LOCATE EXISTING REBAR PRIOR TO CORING SLAB. GC SHALL AVOID EXISTING REBAR WHEN MAKING CORES. NO EXISTING REBAR SHALL BE DAMAGED.

STRUCTURAL DESIGN CRITERIA

1. CODES AND STANDARDS
   A. THE STATE OF NEW JERSEY "UNIFORM CONSTRUCTION CODE."
   B. "INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION - 2021"
   C. "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," 2016, AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
   D. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-19," 2019, AMERICAN CONCRETE INSTITUTE.
2. DESIGN LOADS:
   A. CATWALK LIVE LOAD: 50 PSF

STRUCTURAL PLAN LEGEND (RENOVATIONS)

- INDICATES EXISTING STEEL BEAM
- INDICATES EXISTING WOOD JOIST/STEEL OPEN WEB JOIST.
- INDICATES EXISTING TRUSS
- INDICATES EXISTING BEAM MOMENT CONNECTION
- INDICATES EXISTING STEEL BEAM IN WALL POCKET
- INDICATES EXISTING COLUMN CAPITAL
- H/□/JL — INDICATES EXISTING STEEL COLUMN /POST /HANGER.
- INDICATES EXISTING WOOD POST
- INDICATES EXISTING CONCRETE OR MASONRY WALL/COLUMN
- INDICATES EXISTING STRUCTURE BELOW (BEAM, COLUMN, WALL, DROP PANEL, ETC.)
- INDICATES EXISTING OPENING AS PER EXISTING DWGS
- MD — INDICATES DIRECTION OF SPAN OF EXISTING METAL DECK - SEE PLAN OR SCHEDULE
- S-X (X") — INDICATES EXISTING CONCRETE SLAB TYPE & FRAMING DIRECTION - SEE PLAN OR SCHEDULE
- INDICATES STEP/SLOPE/ THICKNESS CHANGE IN EXISTING SLAB
- INDICATES EXISTING COLUMN/POST/HANGER STARTING UP/DN. FROM THIS LEVEL
- INDICATES NEW STEEL BEAM
- INDICATES STEEL BRACING
- INDICATES BEAM MOMENT CONNECTION
- H/□/JL — INDICATES COLUMN /POST /HANGER
- INDICATES COLUMN /POST /HANGER STARTING UP /DN. FROM THIS LEVEL
- "MD/RD" — INDICATES DECK SPAN DIRECTION OF X" XX GAUGE COMPOSITE GALVANIZED METAL DECK W/XX" NORMAL WEIGHT CONCRETE (TOTAL SLAB DEPTH = XX") REINFORCED W /WWF
- "GR" — INDICATES SPAN DIRECTION OF ROOF DECK
- INDICATES OPENING IN SLAB

- INDICATES NEW STEEL BEAM
- INDICATES NEW STEEL JOIST

STRUCTURAL DRAWING INDEX

Sheet Number	Sheet Name
S-001	STRUCTURAL NOTES
S-110	LEVEL D PART FRAMING PLAN
S-111	DUNNAGE FRAMING PLANS
S-200	TYPICAL DETAILS
S-201	DUNNAGE AND WIND SCREEN SECTIONS AND DETAIL
S-202	UNISTRUT DETAILS

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Description
STRUCTURAL NOTES

Scale
1/8" = 1'-0"

S-001

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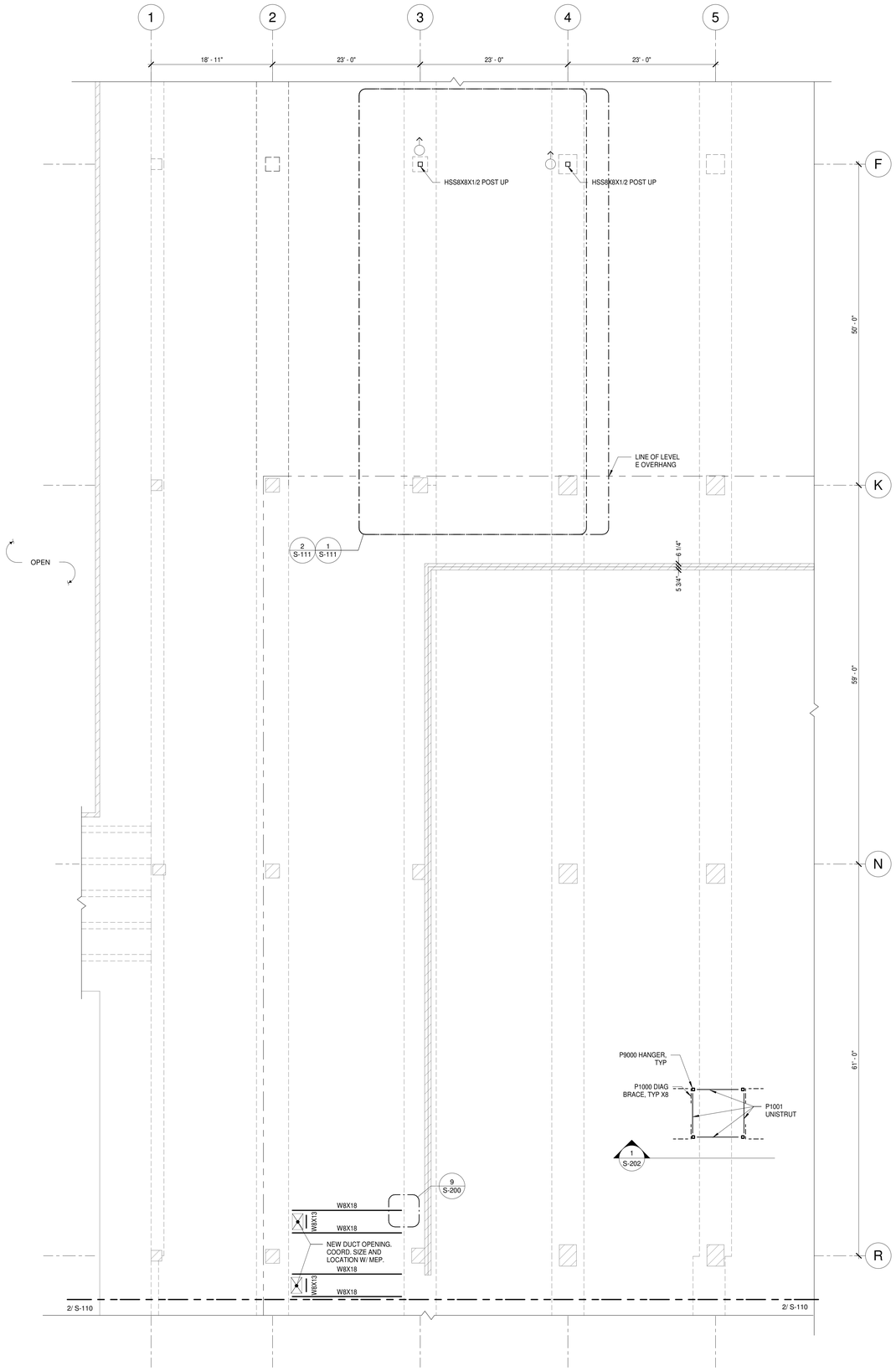
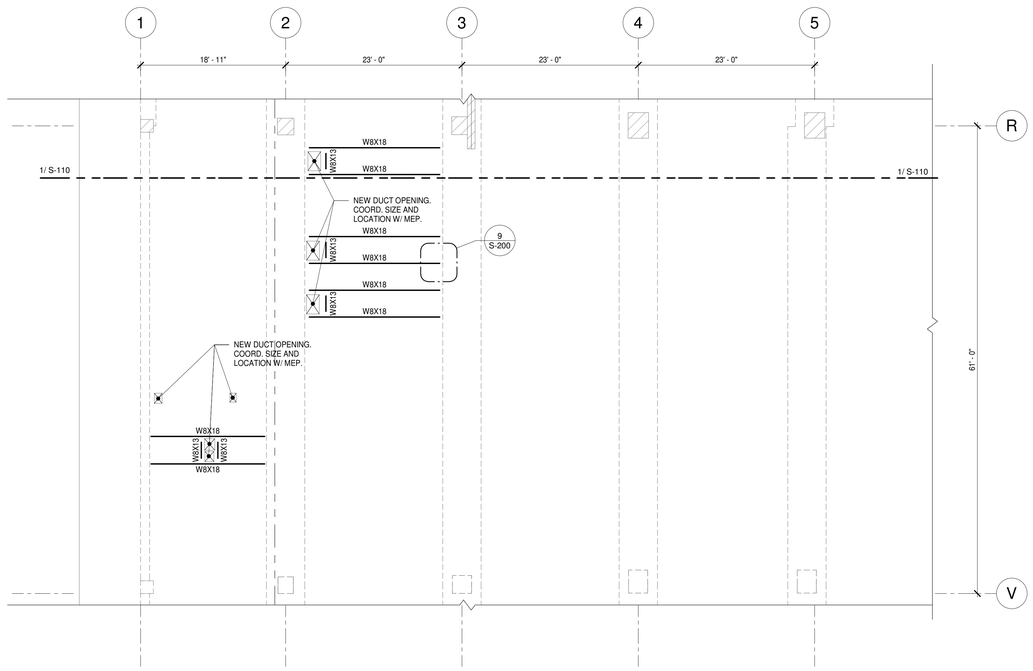


1 S-110 LEVEL D PART FRAMING PLAN - WEST
1/8" = 1'-0"



2 S-110 LEVEL D PART FRAMING PLAN - EAST
1/8" = 1'-0"

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LEVEL D PART FRAMING PLAN

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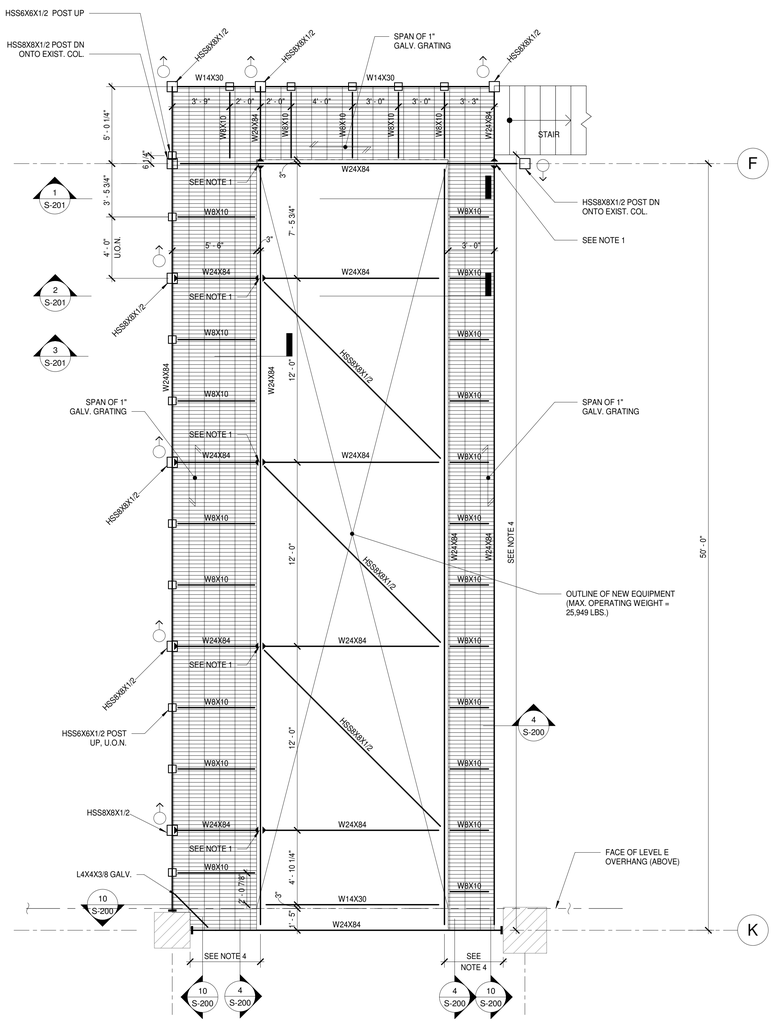
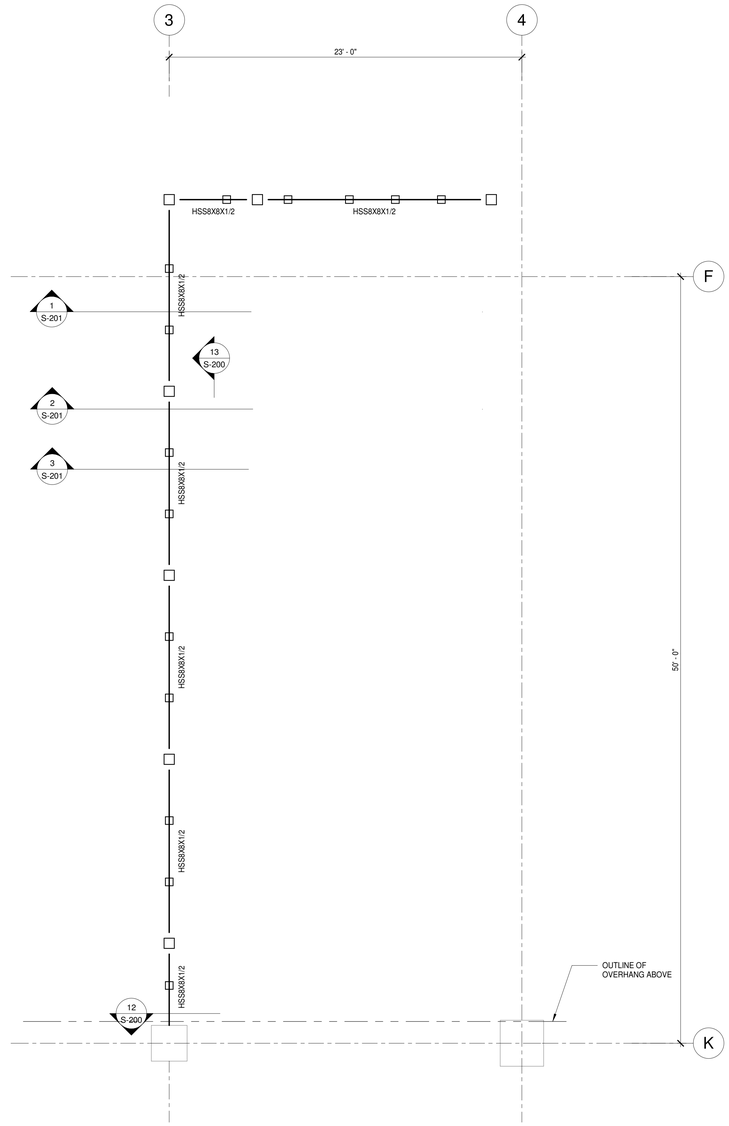


1 S-111 DUNNAGE FRAMING PLAN
1/4" = 1'-0"



2 S-111 TOP OF ROOF SCREEN FRAMING PLAN
1/4" = 1'-0"

NOTES

1. TOP FLANGE OF BEAM-TO-BEAM MOMENT CONNECTION SHALL BE FULL PEN WELDED PER TYPICAL DETAILS TO CREATE FLATE SURFACE FOR GRATING.
2. TOP OF ROOF DUNNAGE STEEL TO BE 5'-0" ABOVE ROOF.
3. ALL DUNNAGE AND WIND SCREEN STEEL SHALL BE HOT-DIP GALVANIZED.
4. PROVIDE GUARD RAIL PER DETAIL 4/S-200.

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DUNNAGE FRAMING PLANS

Scale
1/4" = 1'-0"

S-111

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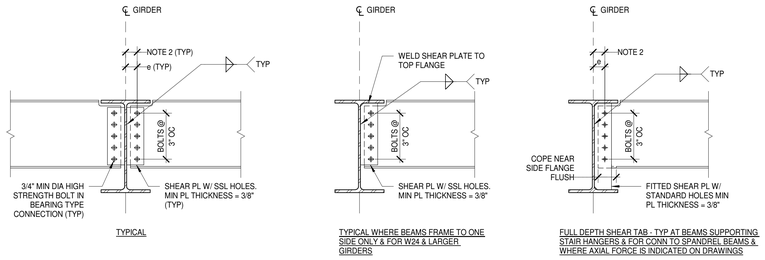
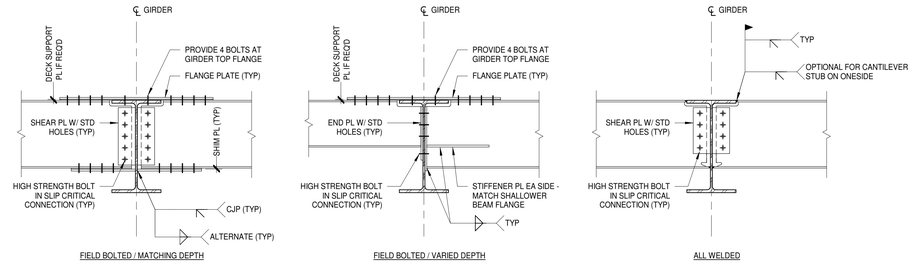


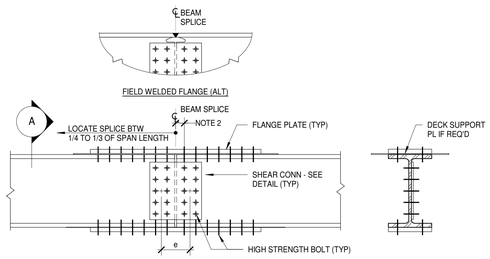
NOTES:
1. UNLESS NOTED OTHERWISE DESIGN CONNECTIONS FOR LOADS AND CRITERIA IN THE STRUCTURAL STEEL NOTES ON SHEET S-001.
2. 3" MAX FOR STRAIGHT CONNECTIONS, 3 1/2" MAX FOR SKEWED CONNECTIONS. DESIGN OF PLATES & WELDS SHALL INCLUDE ECCENTRICITY "e".
3. OTHER TYPES OF AISC SIMPLE SHEAR CONNECTIONS ARE PERMITTED PENDING ENGINEER APPROVAL.
4. METAL DECK, POUR STOP & SHEAR STUDS ARE NOT SHOWN FOR CLARITY - SEE TYPICAL METAL DECK DETAILS.

1 S-200 BEAM TO GIRDER SHEAR CONNECTION
NTS



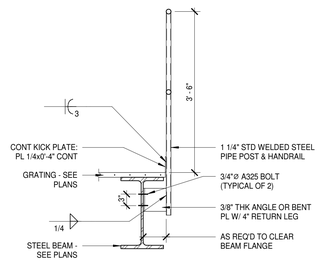
NOTES:
1. UNLESS NOTED OTHERWISE DESIGN CONNECTIONS FOR LOADS AND CRITERIA IN THE STRUCTURAL STEEL NOTES ON SHEET S-001.
2. SEE BEAM TO GIRDER SHEAR CONNECTION DETAIL FOR ADDITIONAL INFORMATION.
3. METAL DECK, POUR STOP & SHEAR STUDS ARE NOT SHOWN FOR CLARITY - SEE TYPICAL METAL DECK DETAILS.

2 S-200 BEAM TO BEAM MOMENT CONNECTION
NTS



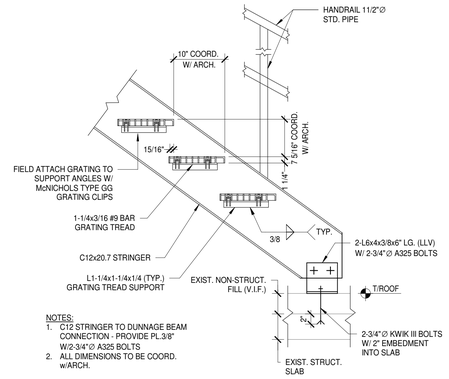
NOTES:
1. UNLESS NOTED OTHERWISE DESIGN CONNECTIONS FOR LOADS AND CRITERIA IN THE STRUCTURAL STEEL NOTES ON SHEET S-001.
2. 3" MAX FOR STRAIGHT CONNECTIONS, 3 1/2" MAX FOR SKEWED CONNECTIONS. DESIGN OF PLATES & WELDS SHALL INCLUDE ECCENTRICITY "e".
3. OTHER TYPES OF AISC SIMPLE SHEAR CONNECTIONS ARE PERMITTED PENDING ENGINEER APPROVAL.
4. METAL DECK, POUR STOP & SHEAR STUDS ARE NOT SHOWN FOR CLARITY - SEE TYPICAL METAL DECK DETAILS.

3 S-200 TYPICAL BEAM SPLICE
NTS



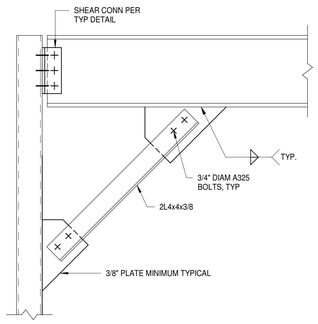
NOTES
1. THIS DETAIL APPLIES TO MECHANICAL PLATFORMS
2. ALL GUARD RAIL STEEL TO BE GALVANIZED.

4 S-200 TYPICAL GUARD RAIL DETAIL
NTS

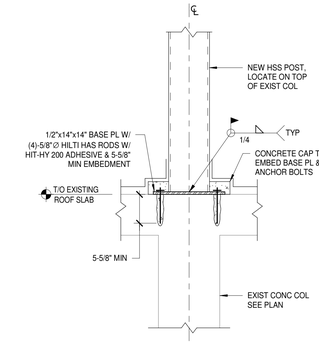


NOTES:
1. C12 STRINGER TO DUNNAGE BEAM CONNECTION - PROVIDE PL.3/8" W/2-3/4"Ø A325 BOLTS
2. ALL DIMENSIONS TO BE COORD. w/ARCH.

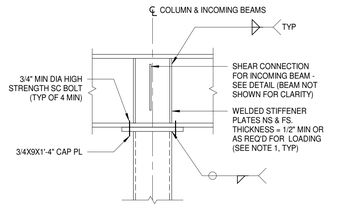
5 S-200 TYPICAL STAIR DETAIL @ DUNNAGE
1" = 1'-0"



6 S-200 TYPICAL KNEE BRACE
1" = 1'-0"

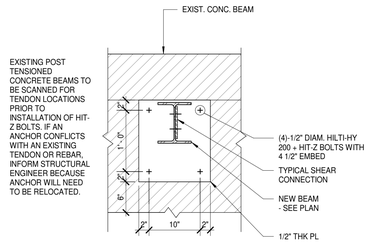


7 S-200 TYPICAL POST STUB DETAIL
1" = 1'-0"

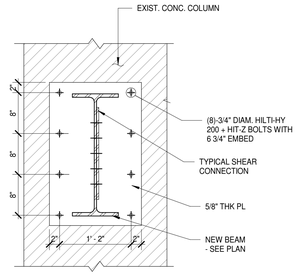


NOTES:
1. UNLESS NOTED OTHERWISE DESIGN CONNECTIONS, STIFFENERS, WELDS, ETC, FOR LOADS AND CRITERIA IN THE STRUCTURAL STEEL NOTES ON SHEET S-001.
2. DESIGN BOLT, PLATES & WELDS FOR THE INCOMING BEAM CONNECTION SHALL INCLUDE ECCENTRICITY "e1" & "e2".

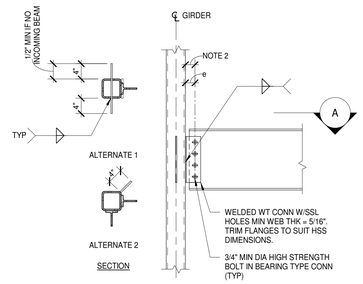
8 S-200 GIRDER OVER COLUMN CONNECTION
3/4" = 1'-0"



9 S-200 NEW BEAM TO EXISTING BEAM MOUNTING PLATE
1" = 1'-0"

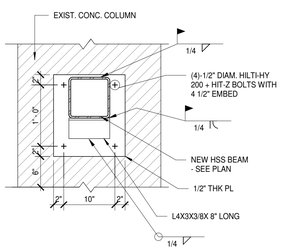


10 S-200 NEW BEAM TO EXISTING COLUMN MOUNTING PLATE
1" = 1'-0"

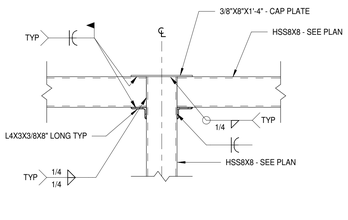


NOTES:
1. UNLESS NOTED OTHERWISE DESIGN CONNECTIONS FOR LOADS AND CRITERIA IN THE STRUCTURAL STEEL NOTES ON SHEET S-001.
2. 3" MAX FOR STRAIGHT CONNECTIONS, 3 1/2" MAX FOR SKEWED CONNECTIONS. DESIGN OF PLATES & WELDS SHALL INCLUDE ECCENTRICITY "e".
3. USE SC BOLTS IN STANDARD HOLES AT MOMENT & CANTILEVER CONNECTIONS.

11 S-200 BEAM TO HSS COLUMN SHEAR CONNECTION
3/4" = 1'-0"



12 S-200 NEW HSS BEAM TO EXISTING COLUMN MOUNTING PLATE
1" = 1'-0"



13 S-200 HSS BEAM TO HSS COLUMN CONNECTION
3/4" = 1'-0"

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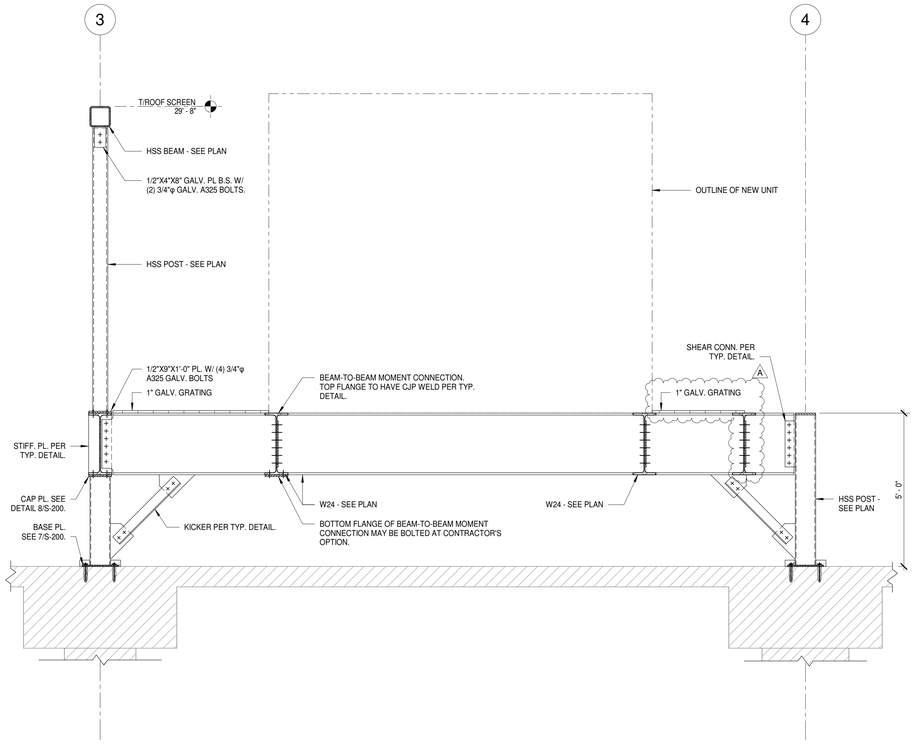
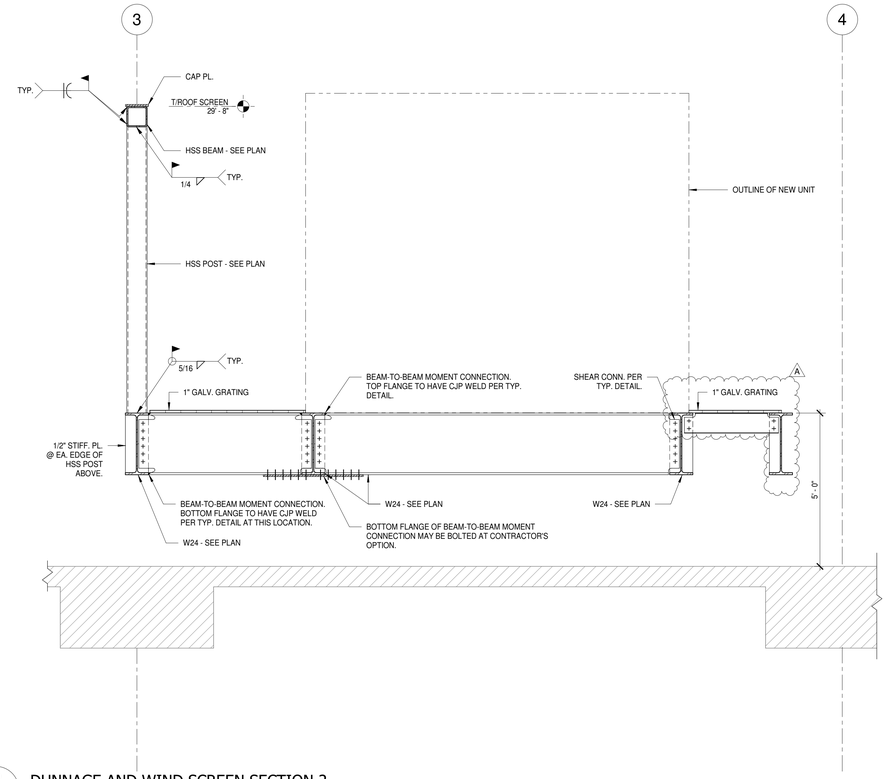
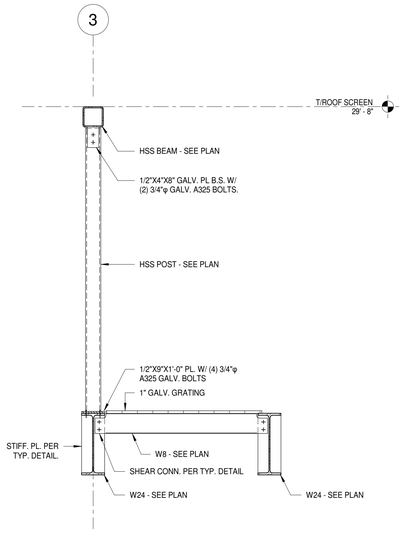


1 S-201 DUNNAGE AND WIND SCREEN SECTION 1
1/2" = 1'-0"



2 S-201 DUNNAGE AND WIND SCREEN SECTION 2
1/2" = 1'-0"



3 S-201 DUNNAGE AND WIND SCREEN SECTION 3
1/2" = 1'-0"

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DUNNAGE AND WIND SCREEN SECTIONS AND DETAIL

Scale
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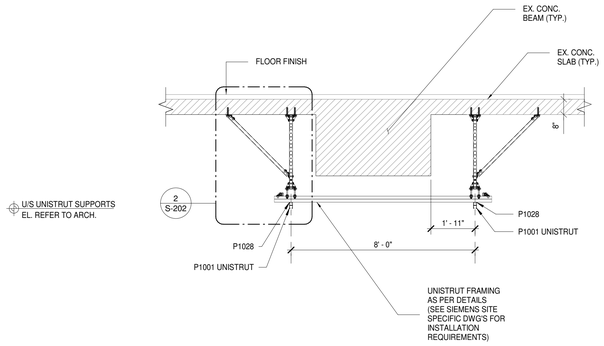
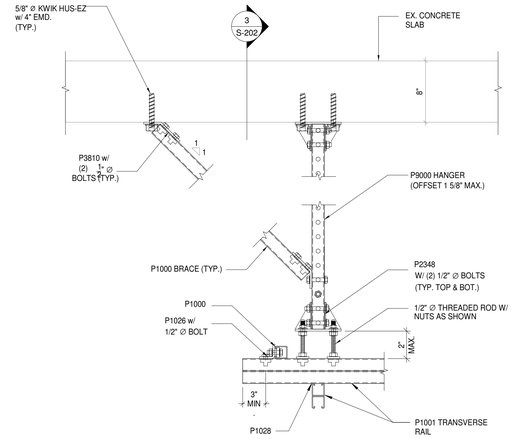
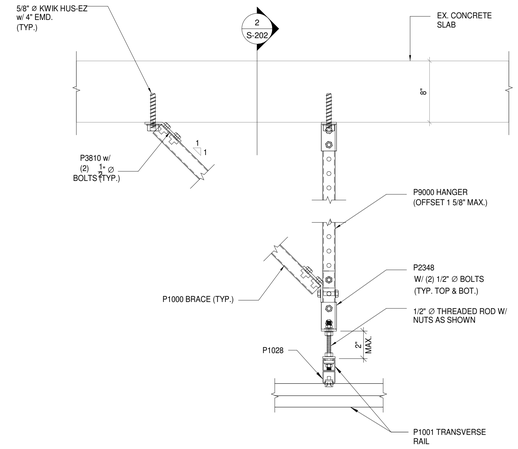


1 S-202 UNISTRUT DETAIL 1
3/8" = 1'-0"



2 S-202 UNISTRUT DETAIL 2
1 1/2" = 1'-0"



3 S-202 UNISTRUT DETAIL 3
1 1/2" = 1'-0"

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