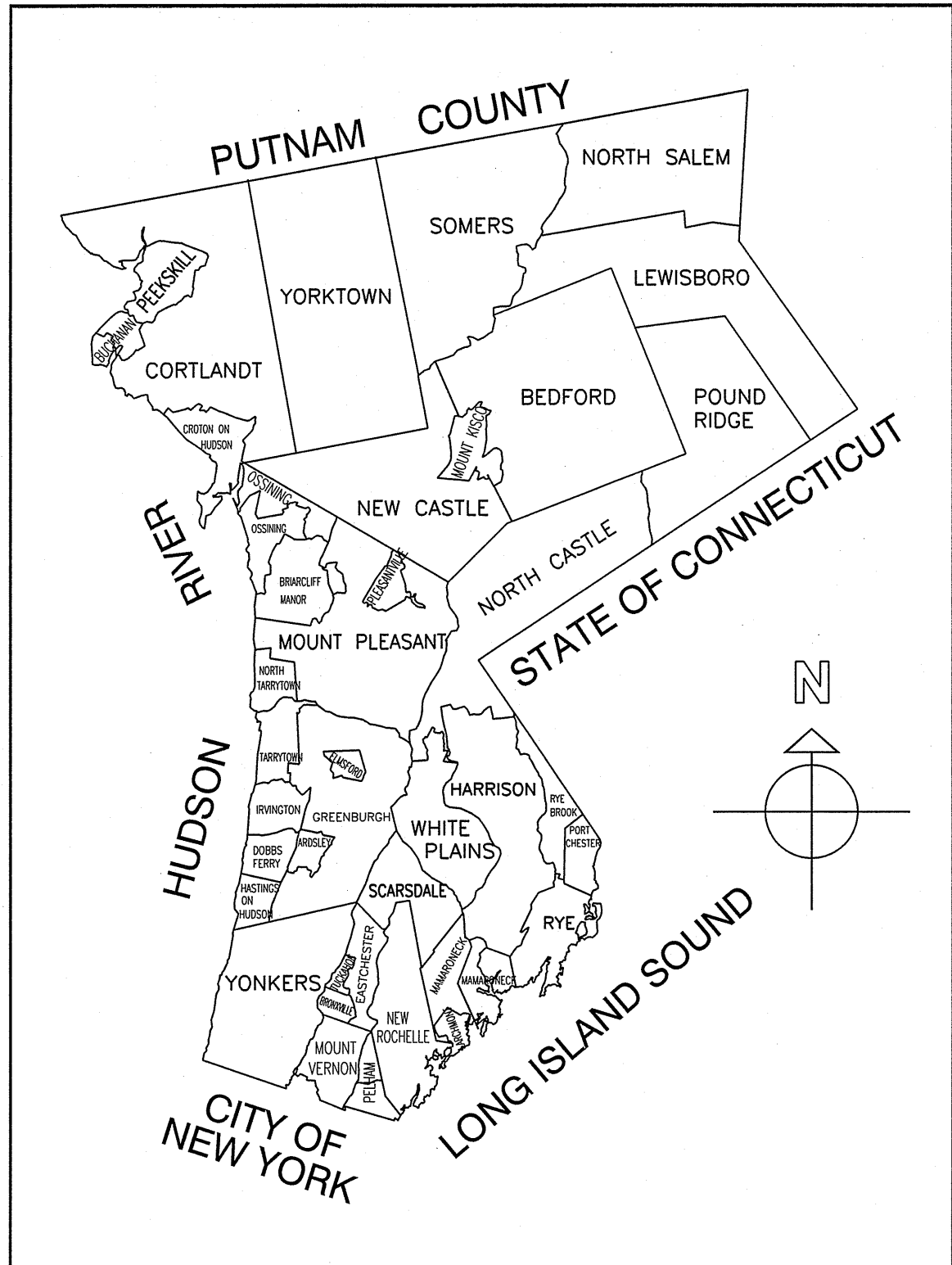
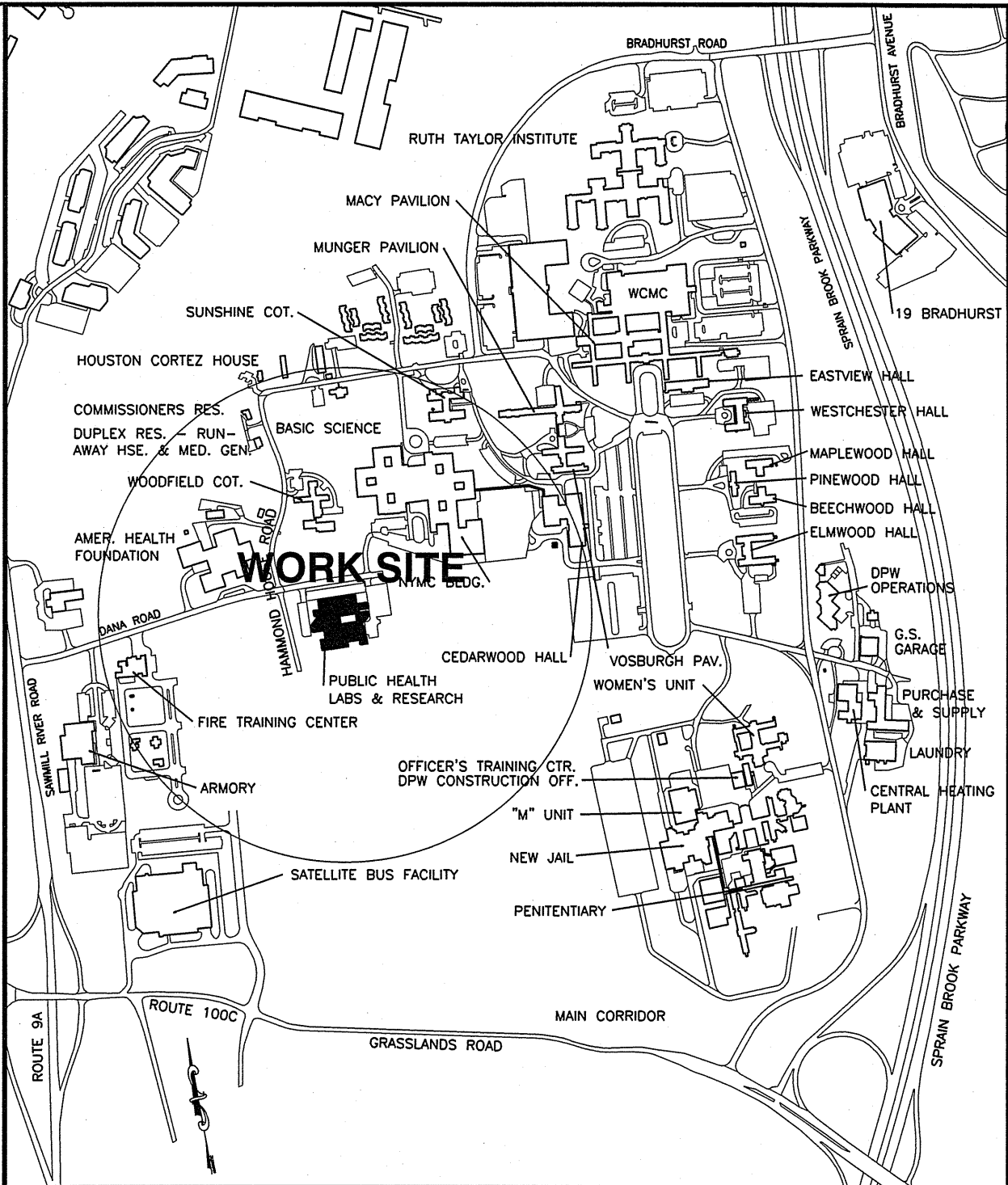




WESTCHESTER COUNTY



WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
CONTRACT No. 19-531
INFRASTRUCTURE UPGRADES, LABS AND RESEARCH
VALHALLA CAMPUS, VALHALLA, NEW YORK



PART PLAN OF VALHALLA CAMPUS

LOCATION MAP
SCALE: N.T.S.

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IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

Adam Kaplinski 10-21-21
RECOMMENDED FOR DESIGN DATE
ADAM KAPLINSKI, R.A.
ASSOCIATE ARCHITECT
DEPARTMENT OF PUBLIC WORKS AND
TRANSPORTATION

Diane Anton 10/18/2021
RECOMMENDED FOR CONSTRUCTION DATE
DIANE ANTON, MS, M(ASCP)
CHIEF ADMINISTRATOR
DEPARTMENT OF LABORATORIES
AND RESEARCH

Gayle M. Katzman 10-21-2021
RECOMMENDED FOR CONSTRUCTION DATE
GAYLE M. KATZMAN, P.E.
FIRST DEPUTY COMMISSIONER
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION

Hugh J. Greechan, Jr. 10/21/21
APPROVED FOR CONSTRUCTION DATE
HUGH J. GREECHAN, Jr., P.E.
COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND
TRANSPORTATION

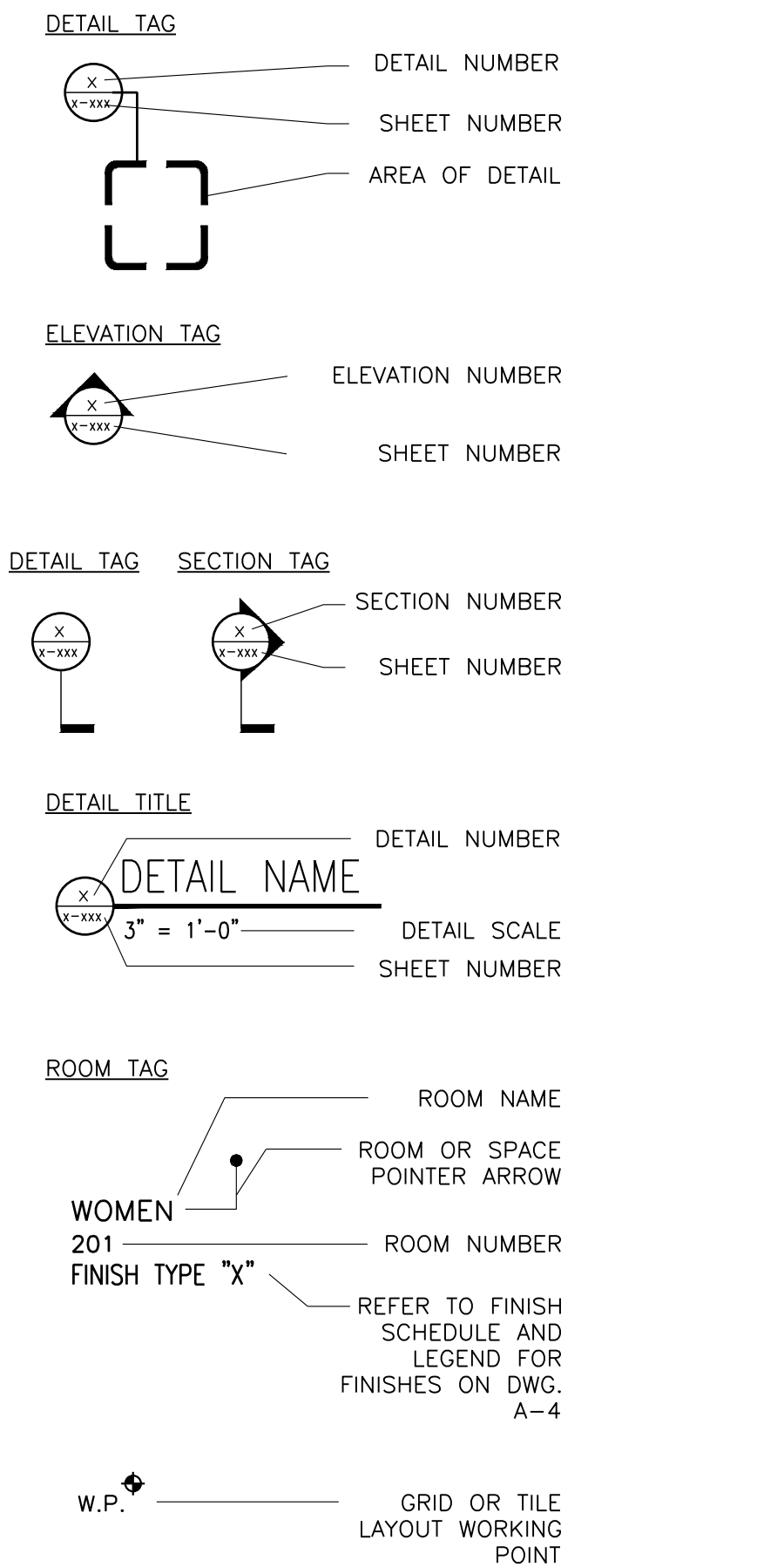
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DATE _____		DATE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK TITLE SHEET				
CONTRACT NUMBER 19-531	SHEET NUMBER T-1	SHEET NO. 1 OF 27		
SCALE: N.T.S. DATE: 09/30/21		DPW FILE NO. 38-54-T-758		
REV. NO. 0				

ABBREVIATIONS

ACT.	ACOUSTICAL CEILING TILE
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
AL.	ALUMINUM
ANOD.	ANODIZED
APPROX.	APPROXIMATE
BD.	BOARD
BM.	BEAM
B.O.	BY OTHERS
BOT.	BOTTOM
CH.	CHANNEL
C.H.	CEILING HEIGHT
CMU.	CONCRETE MASONRY UNIT
CLNG.	CEILING
C.L.	CENTER LINE
CLC.	CLOSET
CLR.	CLEAR
COL.	COLUMN
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CORR.	CORRIDOR
COV.G	COVERING
CPT.	CARPET
DET.	DETAIL
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DN.	DOWN
D.O.I.T.	DEPARTMENT OF INFORMATION TECHNOLOGY
DR.	DOOR
DWG.	DRAWING
EA.	EACH
E.J.	EXPANSION JOINT
ELEC.	ELEVATION
ENAM.	ENAMEL
ENCL.	ENCLOSURE
ENGR.	ENGINEER
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
FIXT.	FIXTURE
FLR.	FLOOR
F.D.	FIRE DAMPER
F.H.	FULL HEIGHT
FIN.	FINISH
FIXT.	FIXTURE
F.O.	FINISHED OPENING
F.P.S.C.	FIRE PROOF SELF CLOSING
FR.	FRAME
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GL.	GLASS
GWB.	GYPSON BOARD
GYP.	GYPSON
HWRE.	HARDWARE
HT.	HEIGHT
H.M.	HOLLOW METAL
HOR.	HORIZONTAL
H.R.	HANDRAIL
HRWD.	HARD WOOD
IN.	INCH
INCL.	INCLUDE, INCLUDING
INFO.	INFORMATION
INSUL.	INSULATE, INSULATION, INSULATING
INT.	INTERIOR
JAN.	JANITOR
K.D.	KNOCK DOWN
LAV.	LAVATORY
MAT'L	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MTL.	METAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.A.	OVERALL
OAD.	OVERALL DIMENSION
O.C.	ON CENTER
OFF.	OFFICE
PERF.	PERFORATED
PERP.	PERPENDICULAR
PL. LAM.	PLASTIC LAMINATE
PLUMB.	PLUMBING
PLYWOOD.	PLYWOOD
PNL.	PANEL
POL.	POLISHED
POLYCARB.	POLYCARBONATE
PR.	PAIR
PT.	PAINT, PAINTED
PRTN.	PARTITION
REF.	REFRIGERATOR
R.H.	RIGHT HAND
R.H.R.	RIGHT HAND REVERSE
R.O.	ROUGH OPENING
RQD.	REQUIRED
S.C.	SOLID CORE
SECT.	SECTION
SIM.	SIMILAR
SPECS.	SPECIFICATIONS
SPRK.	SPRINKLER
SO.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURE, STRUCTURAL
SUSP.	SUSPENDED
TBD.	TO BE DETERMINED
TEL.	TELEPHONE
THK.	THICK, THICKNESS
TYP.	TYPICAL
UON.	UNLESS OTHERWISE NOTED
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
VIN.	VINYL
W.	WIDTH
W/	WITH
WC.	WALLCOVERING
WCDPW&T	WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
WD.	WOOD
W/O	WITHOUT
W.P.	WORKING POINT, WATERPROOF

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MADE BY ALEXIS GARCIA

SYMBOL LEGEND



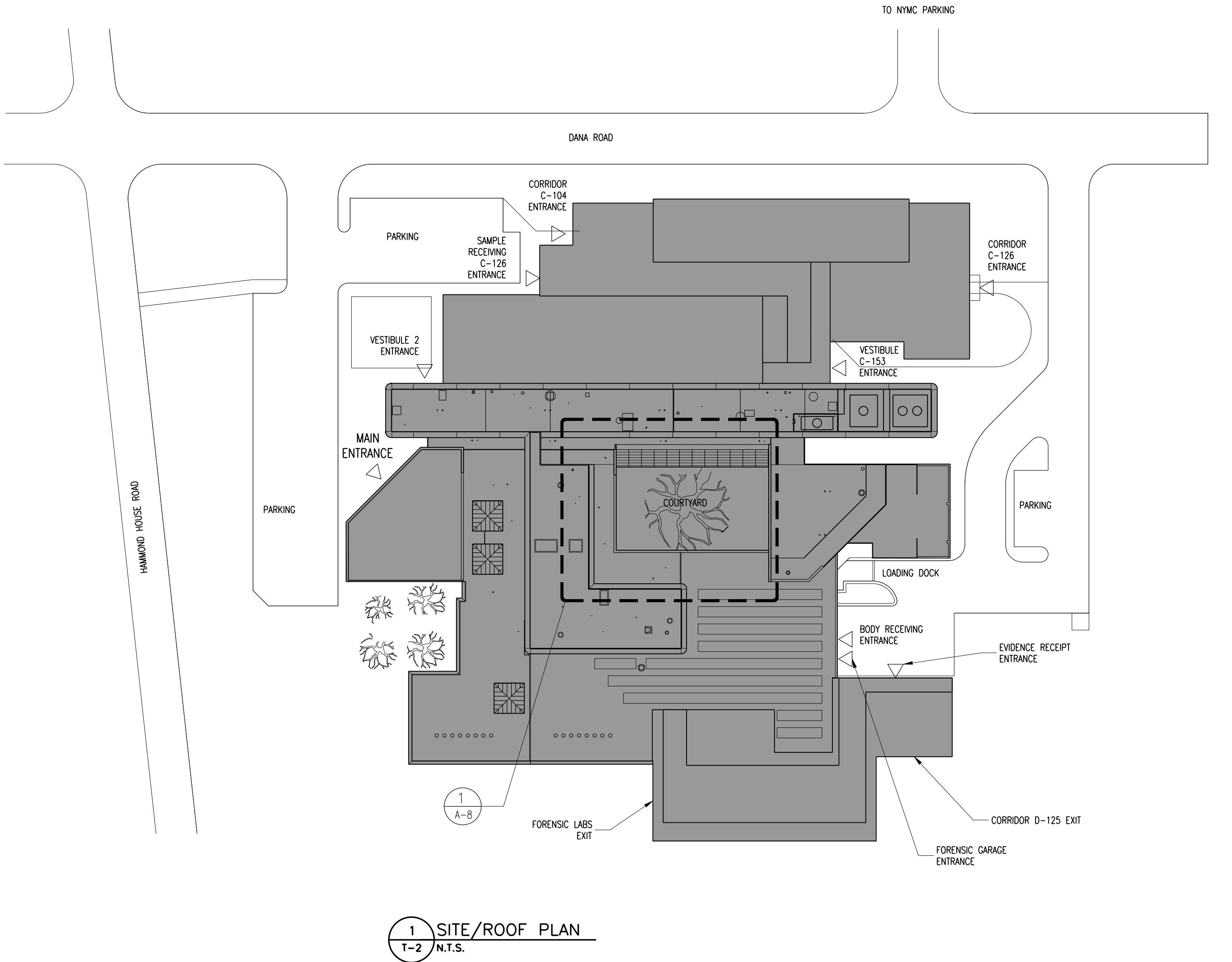
GENERAL NOTES

- DO NOT SCALE THE DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK.
- ALL WORK WILL FOLLOW ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES AND REQUIREMENTS.
- ALL QUESTIONS AND/OR DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL NOT COMMENCE WORK WITHOUT THE ARCHITECT'S DIRECTION.
- THE WORK SITE WILL BE AVAILABLE FOR CONSTRUCTION 5 DAYS A WEEK MONDAY TO FRIDAY 7AM TO 5PM. CONTRACTOR SHALL PLAN FOR HOLIDAYS AHEAD OF TIME ENSURING THAT ALL AREAS ARE SECURE DURING WORK STOPPAGE DUE TO MAJOR HOLIDAYS. WEEKENDS AND NIGHT WORK MAY BE DONE AT THE CONTRACTOR'S OPTION AT NO ADDITIONAL COST TO THE COUNTY AND ONLY UPON COUNTY APPROVAL.
- CONTRACTOR SHALL INCLUDE IN THE BASE BID WORK AT ALL HOURS NOTED IN THESE GENERAL NOTES THAT ARE REQUIRED AND ANTICIPATED TO RESULT IN A COMPLETE PROJECT AS ACCEPTED BY THE COUNTY. CONTRACTOR SHALL SUBMIT A CRITICAL PATH CONSTRUCTION SCHEDULE APPROVED BY THE COUNTY THAT ILLUSTRATES WORK TASKS TO BE PERFORMED AT ALL HOURS.
- PARKING FOR THE CONTRACTOR'S EMPLOYEES IS AVAILABLE AT THE SITE. LOCATION SHALL BE APPROVED BY DPW CONSTRUCTION COORDINATOR.
- CONTRACTOR'S DELIVERIES TO THE WORK SITE WILL REQUIRE 48 HOUR ADVANCE NOTICE TO THE COUNTY. DELIVERIES SHALL BE COORDINATED WITH DPW CONSTRUCTION COORDINATOR.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE FOR THE SAFETY OF ITS WORKERS, THE COUNTY'S EMPLOYEES, AND THE PUBLIC AS PER ALL LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS. CONTRACTOR SHALL DEDICATE TO THE SITE A FULL-TIME SUPERVISOR CAPABLE OF IMPLEMENTING ARCHITECT'S INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING BUILDING FINISHES AT THE WORK SITE. ALL PROTECTIVE MEASURES MUST BE APPROVED BY THE COUNTY IN ADVANCE.
- CONTRACTOR SHALL SUBMIT A DRAWING LAYOUT FOR THE STAGING AREA SHOWING LOCATION OF WASTE BINS, CONSTRUCTION FENCING, AND OTHER FOR APPROVAL.
- ALL DEMOLITION AND CONSTRUCTION MATERIAL DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE PROPERTY ON A DAILY BASIS. CONTRACTOR SHALL PROVIDE CONTACT INFORMATION FOR RECYCLING CENTER UTILIZED FOR THIS PROJECT.
- AS PART OF DUST CONTROL MEASURES CONTRACTOR SHALL PROTECT ALL AIR INTAKE LOUVERS WITH APPROPRIATE FILTERS TO KEEP DUST OUT OF THE HVAC SYSTEM FOR THE DURATION OF THE PROJECT.
- ACCESS THROUGH THE BUILDING WILL BE BY PERMISSION OF THE COUNTY.

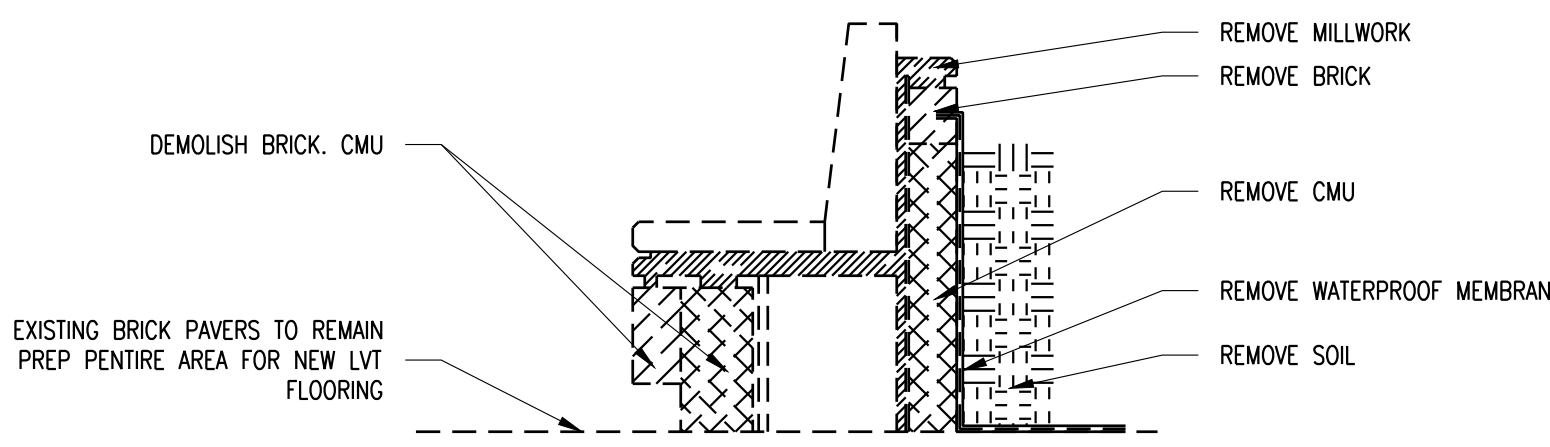
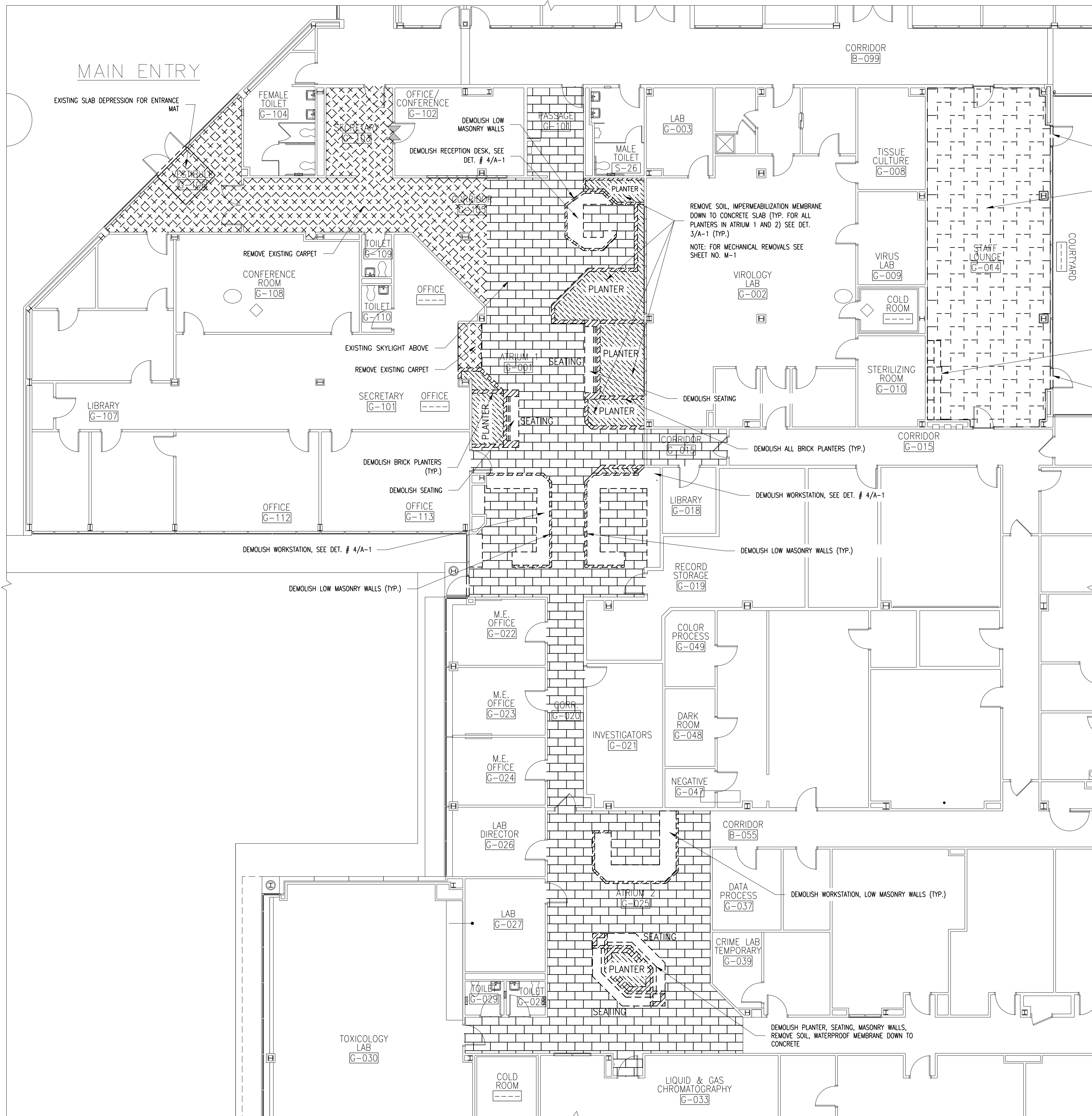
DEMOLITION NOTES

- CONDUCT DEMOLITION AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT FACILITIES.
- DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, AND OTHER ADJACENT FACILITIES WITHOUT PERMISSION FROM OWNER.
- CONDUCT DEMOLITION TO PREVENT INJURY TO PEOPLE, VEHICLES, OR DAMAGE TO ADJACENT BUILDINGS, FACILITIES AND AREAS TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND AND NEAR DEMOLITION AREA, AND SAFE PASSAGE OF VEHICLES AT PARKING LOT AS APPLICABLE.
- ALL CUTTING TOOLS SHALL HAVE VACUUM ATTACHMENTS TO PREVENT SPILLAGE OF MORTAR & DUST.
- PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION TO REMAIN.
- REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CLEAN ADJACENT AREAS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.

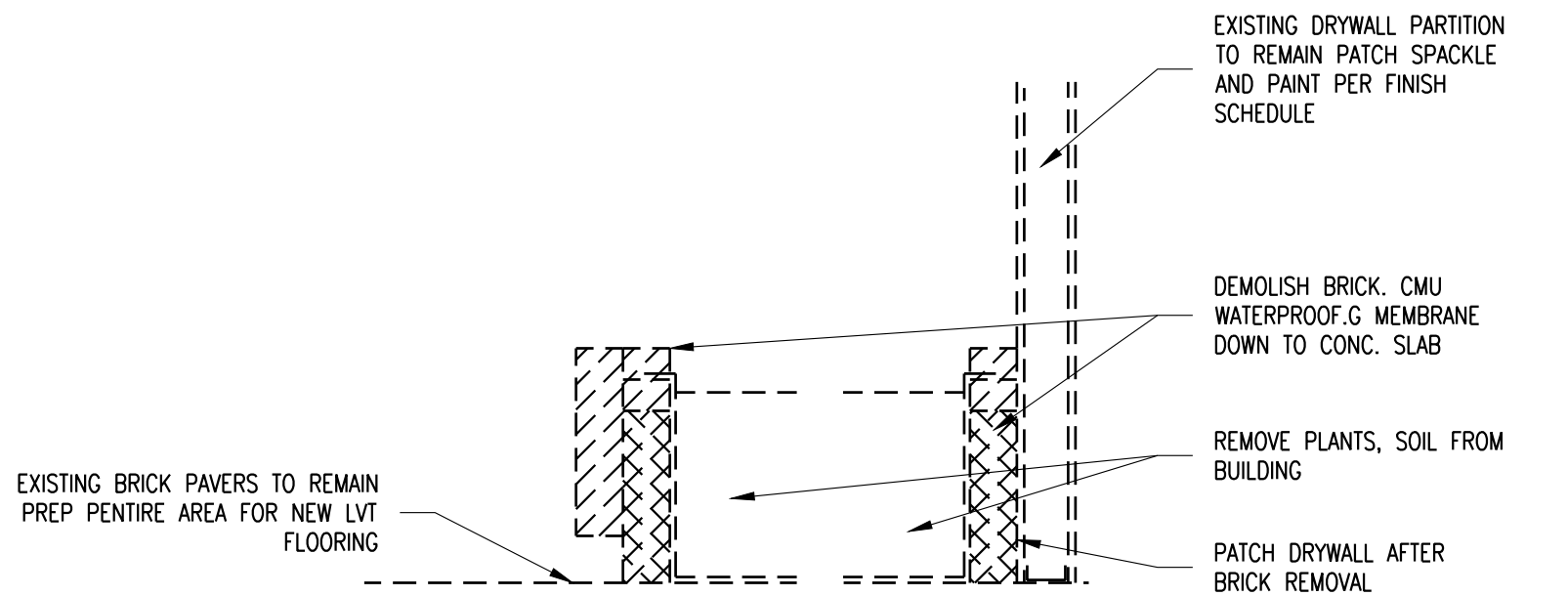
- CONTRACTOR SHALL SUBMIT DRAWING LAYOUT FOR THE STAGING AREA SHOWING LOCATION OF HOISTS, SCAFFOLDING, WASTE BINS, CONSTRUCTION FENCING, OFFICE TRAILER AND OTHER FOR APPROVAL.
- CONTRACTOR SHALL PROVIDE PEDESTIAN CONTROL AS REQUIRED.
- ALL MATERIALS ALLOWED ON ROOF SHALL BE PROTECTED AND TIED DOWN.
- PATCH ALL ALTERED SURFACES. RESTORE ALL EXISTING AREAS DISTURBED BY CONSTRUCTION TO MATCH EXISTING SURFACES WITHOUT NOTICEABLE CRACKS, JOINTS OR BULGES.
- GENERAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED, AND SHALL HAVE FULL-TIME SUPERVISION ON SITE AT ALL TIMES FOR ALL ONGOING WORK.
- THE CONTRACTOR SHALL PROVIDE FOR PEDESTRIAN AND VEHICULAR PROTECTION ON PARKING LOT AND ELSEWHERE EFFECTED BY CONTRACTOR'S WORK OPERATIONS, DEMOLITION & CONSTRUCTION WORK.
- SHORING NOTE: THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED TO SUPPORT INSTABILITIES OF EXISTING STRUCTURE INCLUDING BUT NOT LIMITED TO STEEL TIES, NON-LOAD BEARING WALLS, LOAD BEARING WALLS, FOUNDATIONS AND EXISTING ROOF AND FLOOR STRUCTURES DURING CONSTRUCTION. SHORING SHALL BE FULLY INSTALLED AND STABLE PRIOR TO REPAIR, MODIFICATION OR REMOVAL OF EXISTING STRUCTURAL ELEMENTS AND ALL ASSOCIATED WORK.
- JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. REVIEW OF THE CONSTRUCTION BY THE ARCHITECT/ENGINEER IS FOR CONFORMANCE WITH DESIGN ASPECTS ONLY, NOT TO REVIEW THE CONTRACTOR'S PROVISIONS FOR JOB SITE SAFETY. LACK OF COMMENT BY THE ARCHITECT/ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE ASPECTS OF WORK.
- FOR ALL SUBMITTALS INDICATE THE FABRICATOR, MANUFACTURER, FINISH, LAYOUT, AND ALL ACCESSORIES. ALL SUBMITTALS MUST BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE SUBMISSION TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
- IF FAULTY CONSTRUCTION, PROCEDURES OR MATERIAL RESULT IN DEFECTIVE WORK THAT REQUIRES COUNTY TO EXPEND ADDITIONAL DESIGN TIME TO DEVISE CORRECTIVE MEASURES, PROFESSIONAL FEES MAY BE CHARGED TO THE CONTRACTOR AT THE STANDARD HOURLY RATE OF ADDITIONAL SERVICES. SUCH FEES MAY BE WITHHELD FROM THE GENERAL CONTRACTOR'S PAYMENT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND ANGLES WITH ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL & STRUCTURAL DRAWINGS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK. SHOP DRAWINGS DEPICTING EXISTING CONDITIONS AND RENOVATION SCOPE FOR ALL RENOVATION WORK SHALL BE SUBMITTED FOR ARCHITECTS APPROVAL.
- WORK SHOWN AS "TYPICAL DETAILS" APPLY THROUGHOUT THE PROJECT AS REQUIRED. WORK SHOWN AS "SECTIONS" SHALL BE CONSIDERED TO APPLY FOR THE SAME AND SIMILAR CONDITIONS IN THE BUILDING.
- SOME DETAILS OF THE WORK ARE SHOWN ON THE ARCHITECTURAL DRAWINGS; SOME ON THE OTHER DRAWINGS. A CAREFUL REVIEW AND STUDY OF THESE DETAILS BY THE CONTRACTOR IS NECESSARY BEFORE THE FULL SCOPE OF THE WORK CAN BE COMPREHENDED.
- CONTRACTOR SHALL WORK IN A MANNER TO PROVIDE A WATERTIGHT CONDITION AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING AND/OR COMPONENT. WORK SHALL INCLUDE NOT ONLY THE MAJOR ITEMS OF WORK REQUIRED TO COMPLETE THE WORK INCIDENTAL TO OR ARISING FROM THIS WORK OR VERIFIED BY ACTUAL FIELD CONDITIONS, NOT SPECIFICALLY LISTED HEREIN. THIS TOO SHALL BE INCLUDED AS NECESSARY AND INCLUDED FOR THE FULL COMPLETION OF THE JOB AND IS TO BE CONSTRUED AS PART OF THE WORK AND IS WITHOUT ADDITIONAL COST TO THE COUNTY.
- GC SHALL PROVIDE TEMPORARY HEATING DURING WINTER CONSTRUCTION OR DURING COLD WEATHER CONSTRUCTION NOT LIMITED TO METHODS AND MEANS TO SUPPLY, CONNECT TO POWER, AND OPERATE TEMPORARY HEATING UNITS OF SUFFICIENT CAPACITY TO MAINTAIN MINIMUM TEMPERATURE OF 40 DEGREES. METHODS AND MEANS NOT LIMITED TO INSTALLATION OF TEMPORARY AIR SEALS THROUGHOUT THE INTERIOR OF THE BUILDING OR SECTIONS OF THE BUILDING UTILIZING POLYETHYLENE SHEETS, PLYWOOD & WOOD STUD PARTITIONS, RIGID INSULATION BOARDS, ETC. PER 015100.
- CONTRACTOR SHALL COORDINATE ADDITIONAL SELECTIVE DEMOLITION WORK AS NOTED THROUGHOUT CONSTRUCTION DOCUMENTS.



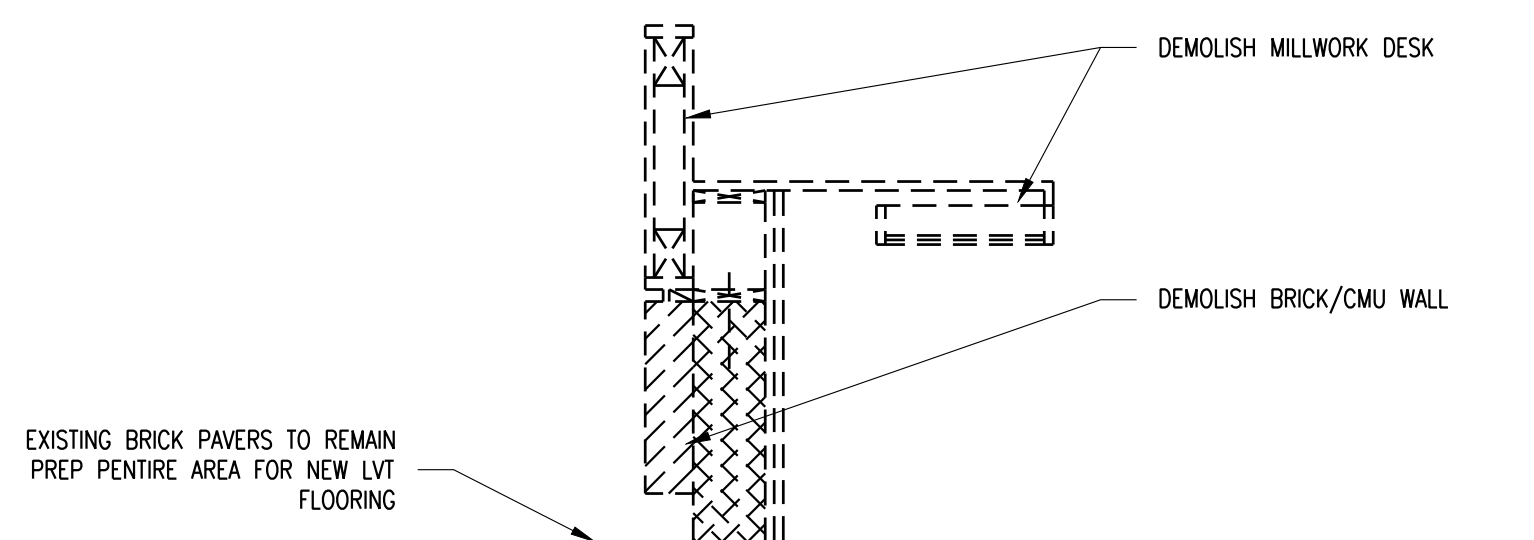
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CONTRACTOR			PROJECT COORDINATOR		
NAME	SIGNATURE		NAME	SIGNATURE	
TITLE	DATE		TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK			CONTRACT NUMBER 19-531		
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION			SHEET NUMBER T-2		
DIVISION OF ENGINEERING			SHEET NO. 2 OF 27		
INFRASTRUCTURE UPGRADES			SCALE: N.T.S.		
LABS AND RESEARCH			DATE: 10/28/21		
VALHALLA CAMPUS, VALHALLA, NEW YORK			DPW FILE NO.		
LEGEND, NOTES AND SITE PLAN			38-54-A-759		
			REV. NO. 0		



2 SEATING/PLANTER TYP. DEMOLITION DETAIL
A-1 3/4"=1'-0"



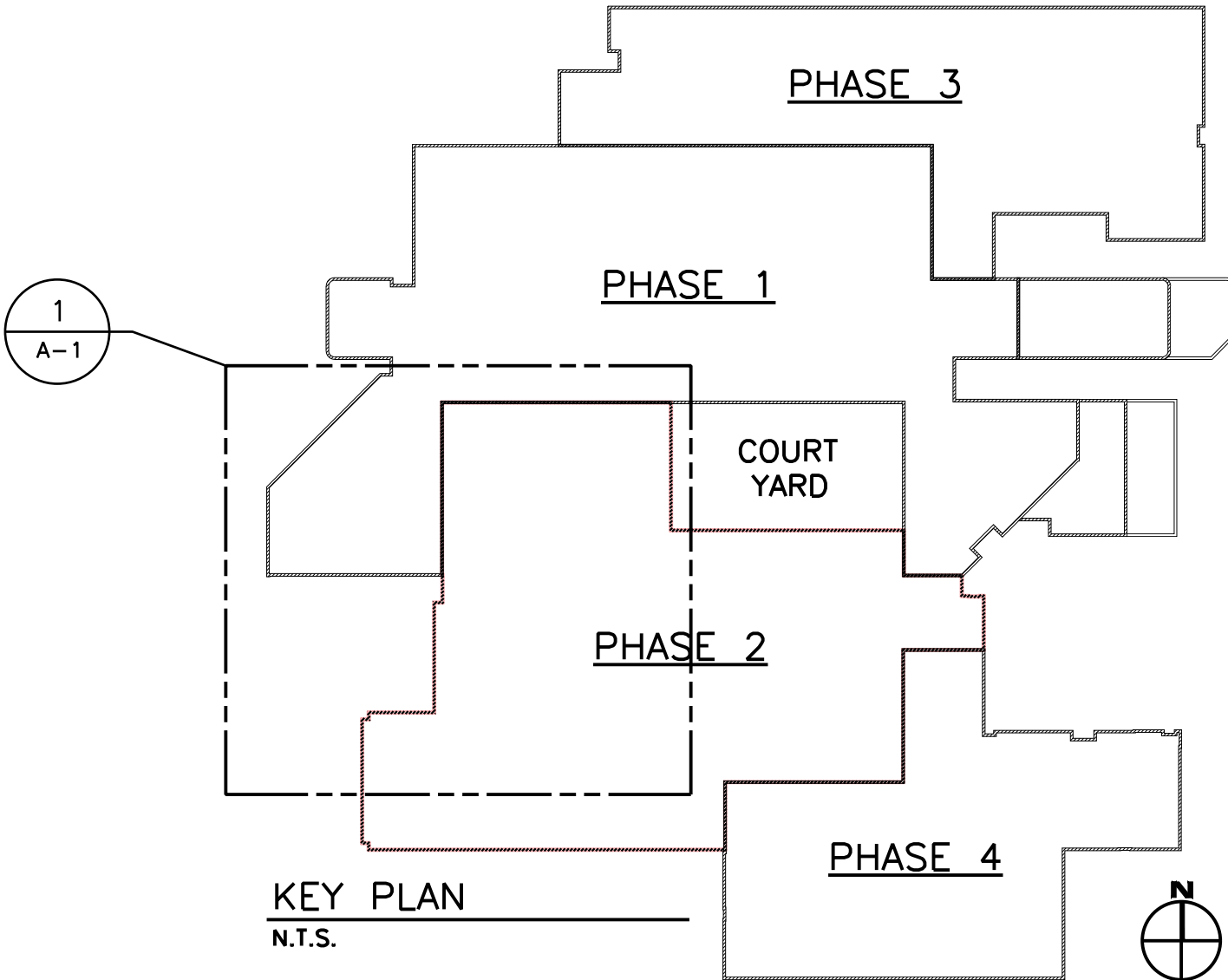
3 PLANTER TYP. DEMOLITION DETAIL
A-1 3/4"=1'-0"



4 DESK TYP. DEMOLITION DETAIL
A-1 3/4"=1'-0"

LEGEND:

- EXISTING BRICK PAVERS TO REMAIN
- REMOVE EXISTING BROADLOOM CARPET
- REMOVE EXISTING V.C.T. TILE

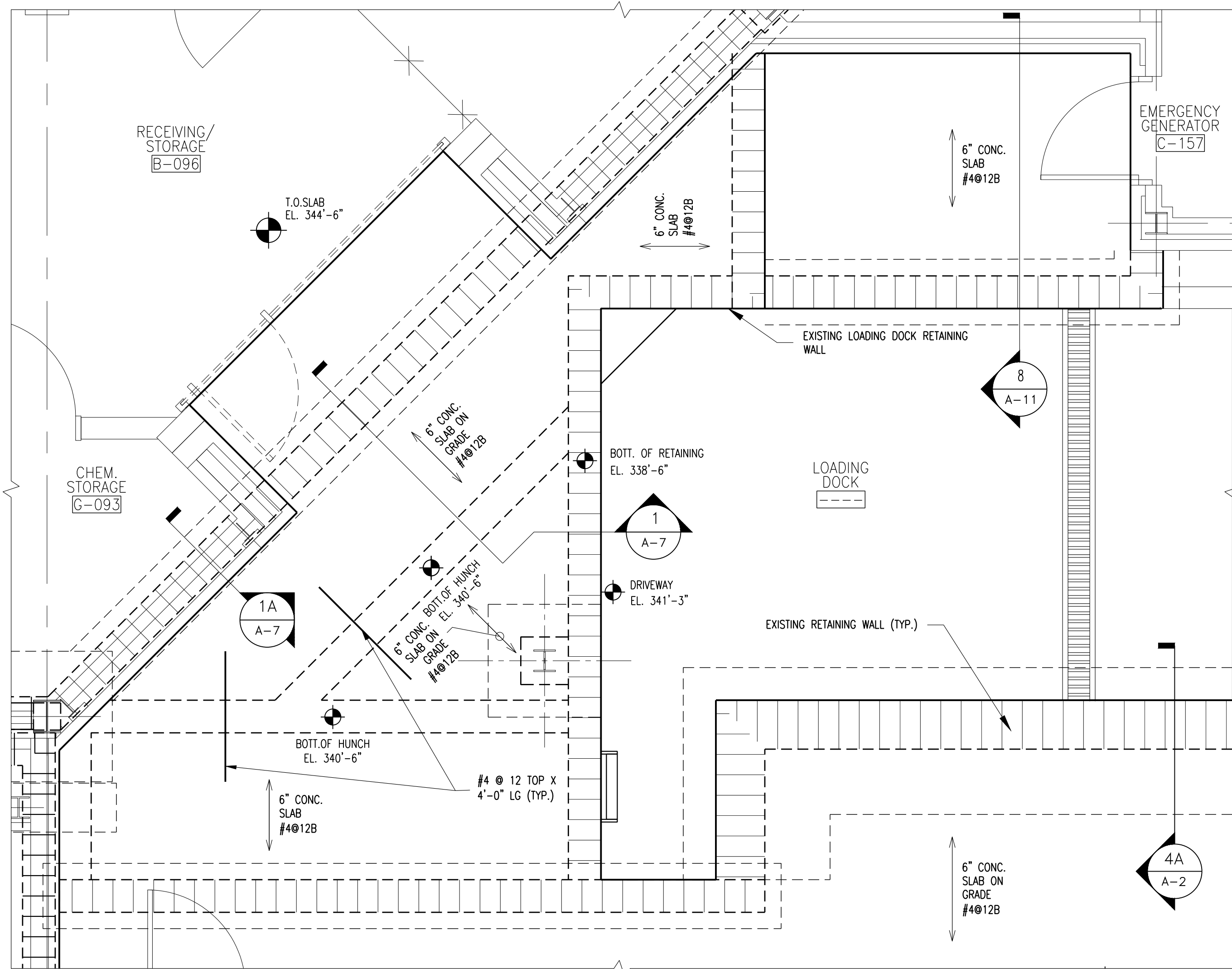


KEY PLAN
N.T.S.

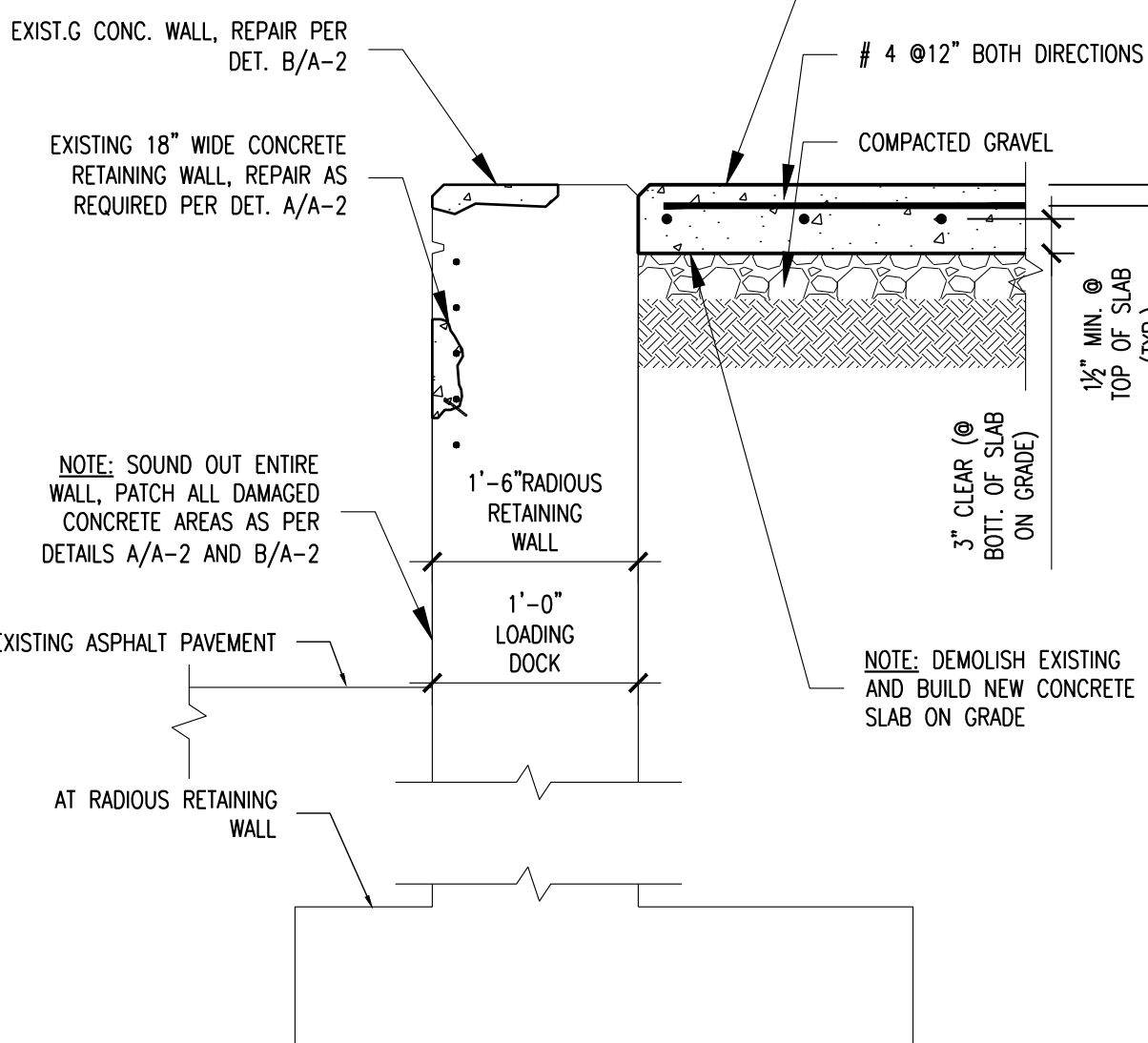
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WESTCHESTER COUNTY, NEW YORK			CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION			19-531	A-1
DIVISION OF ENGINEERING			SHEET NO. 3 OF 27	
INFRASTRUCTURE UPGRADES			SCALE: 1/4"=1'-0"	
LABS AND RESEARCH			DATE: 10/28/21	
VALHALLA CAMPUS, VALHALLA, NEW YORK			DPW FILE NO.	REV. NO.
ATRIUMS AND STAFF LOUNGE DEMOLITION PART PLAN			38-54-A-760	0

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MADE BY ALEXIS GARCIA

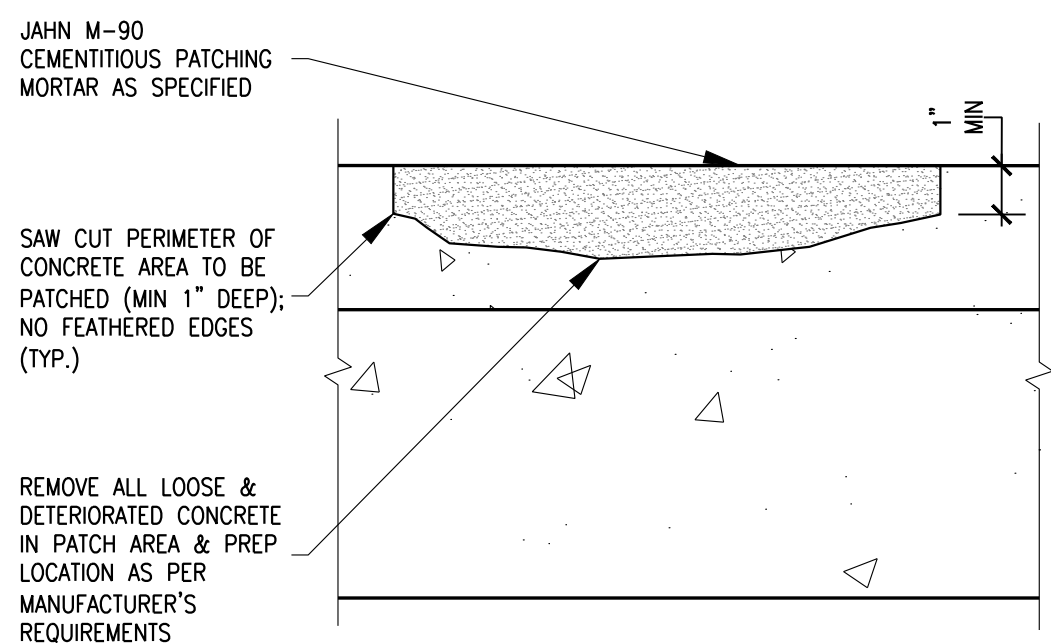
1 ATRIUMS AND STAFF LOUNGE DEMOLITION PART PLAN
A-1 1/8"=1'-0"



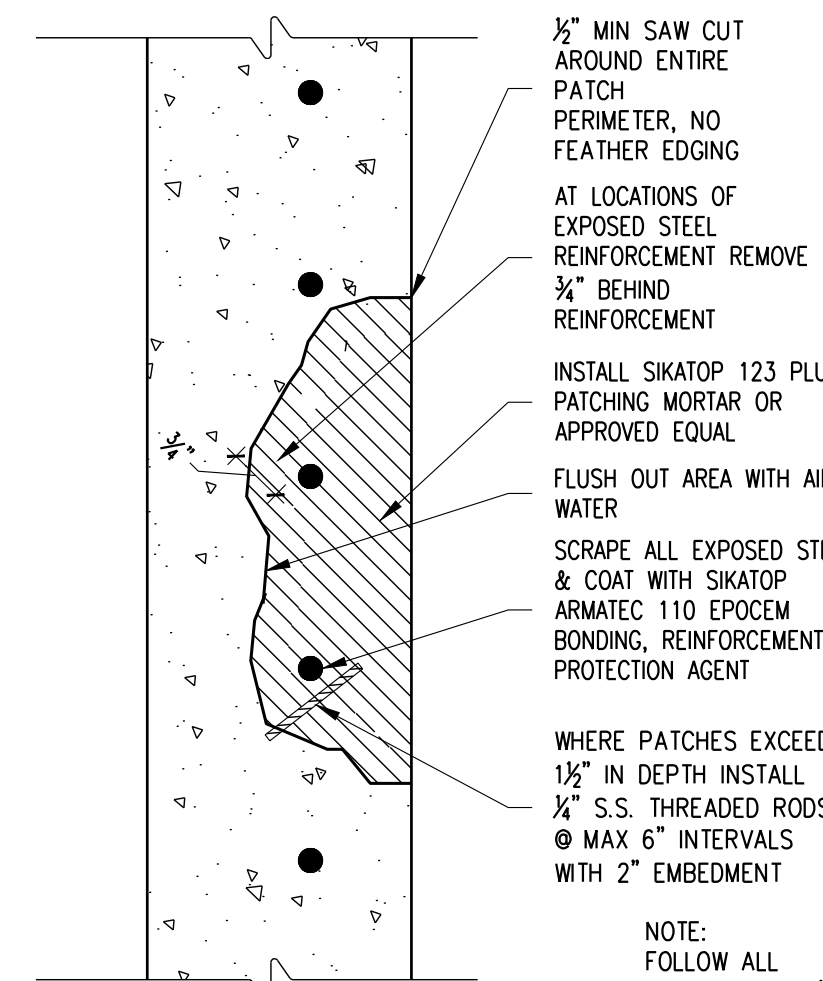
3 EXISTING FRAMING PLAN @ LOADING DOCK
A-2 1/8"=1'-0"



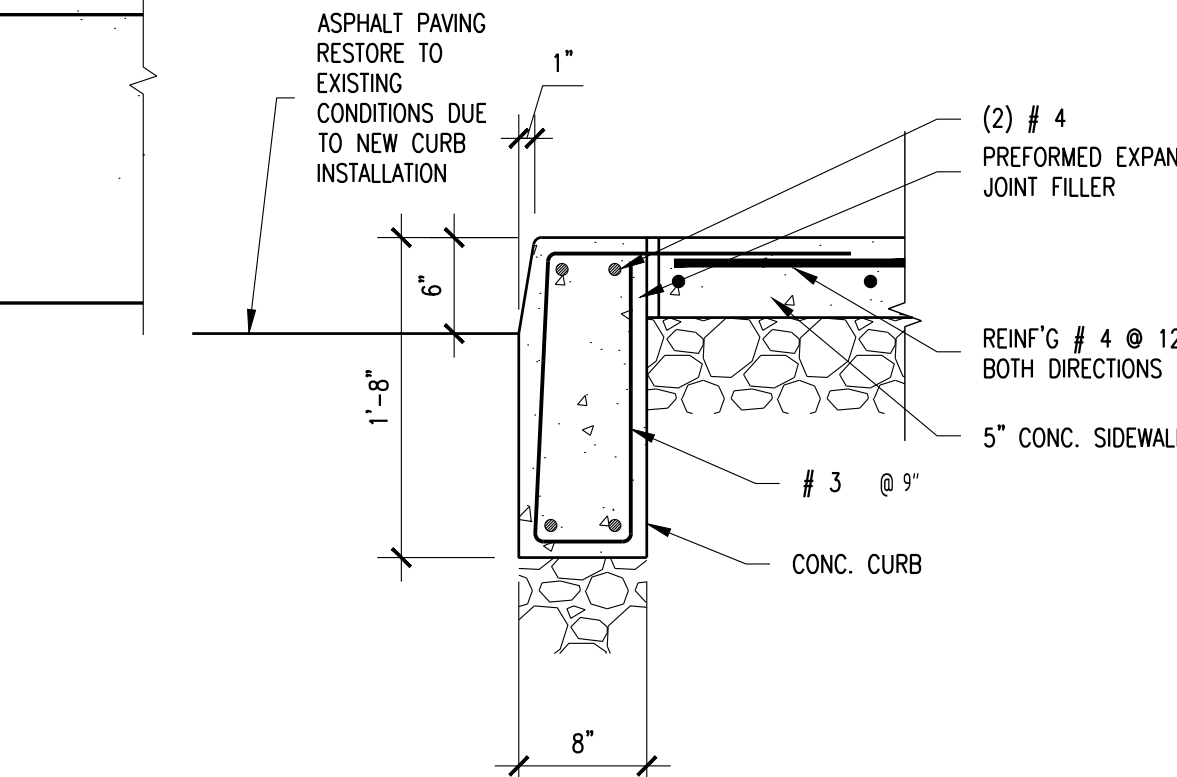
SECTION AT LOADING DOCK
RADIAL RETAINING WALL
4, 4A
A-2 3/4"=1'-0"



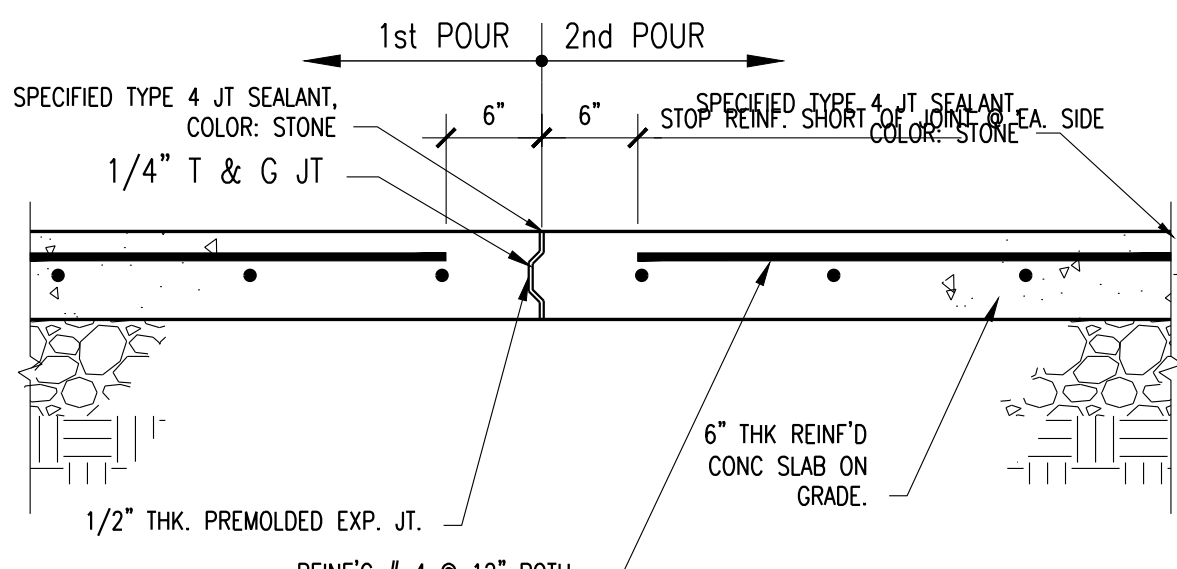
B CONC. PATCHING DETAIL
A-2 3"=1'-0"



CONCRETE VERTICAL
PATCHING DETAIL
A
A-2 NTS

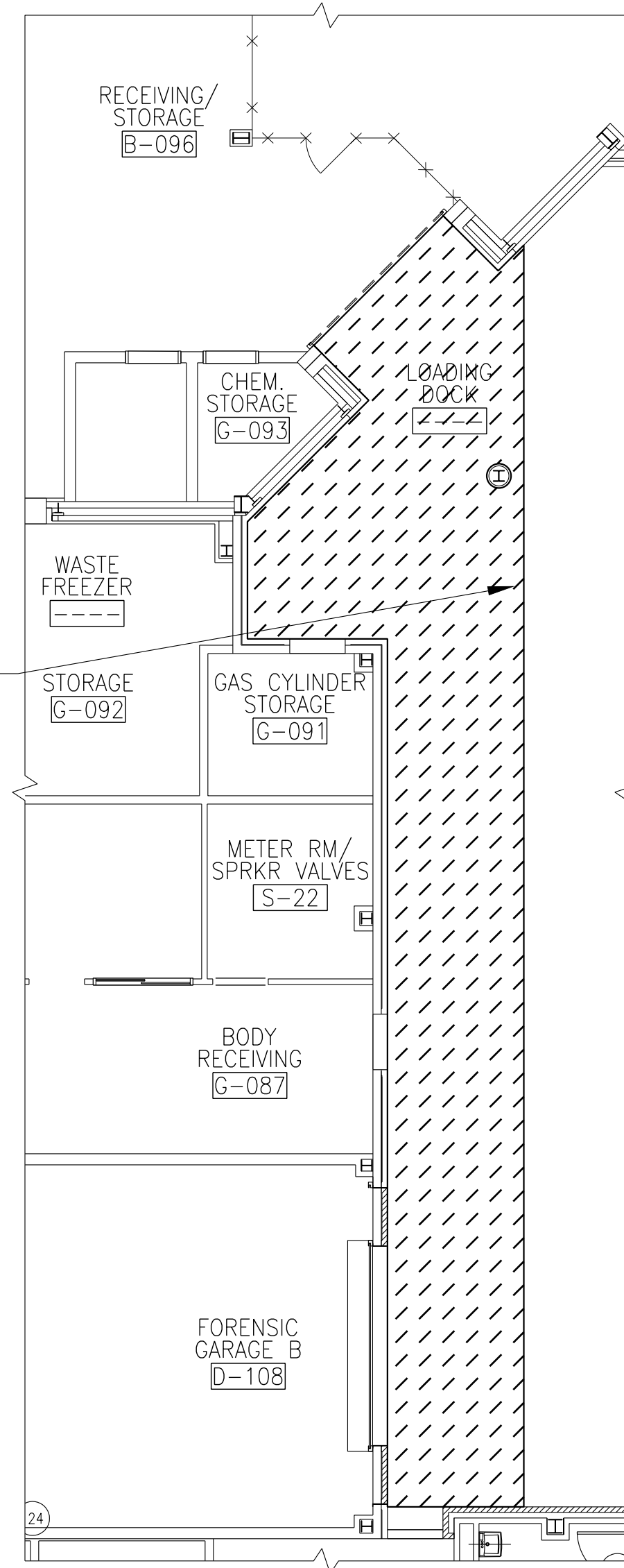


D DETL. @ CONC. CURB
A-2 1"=1'-0"

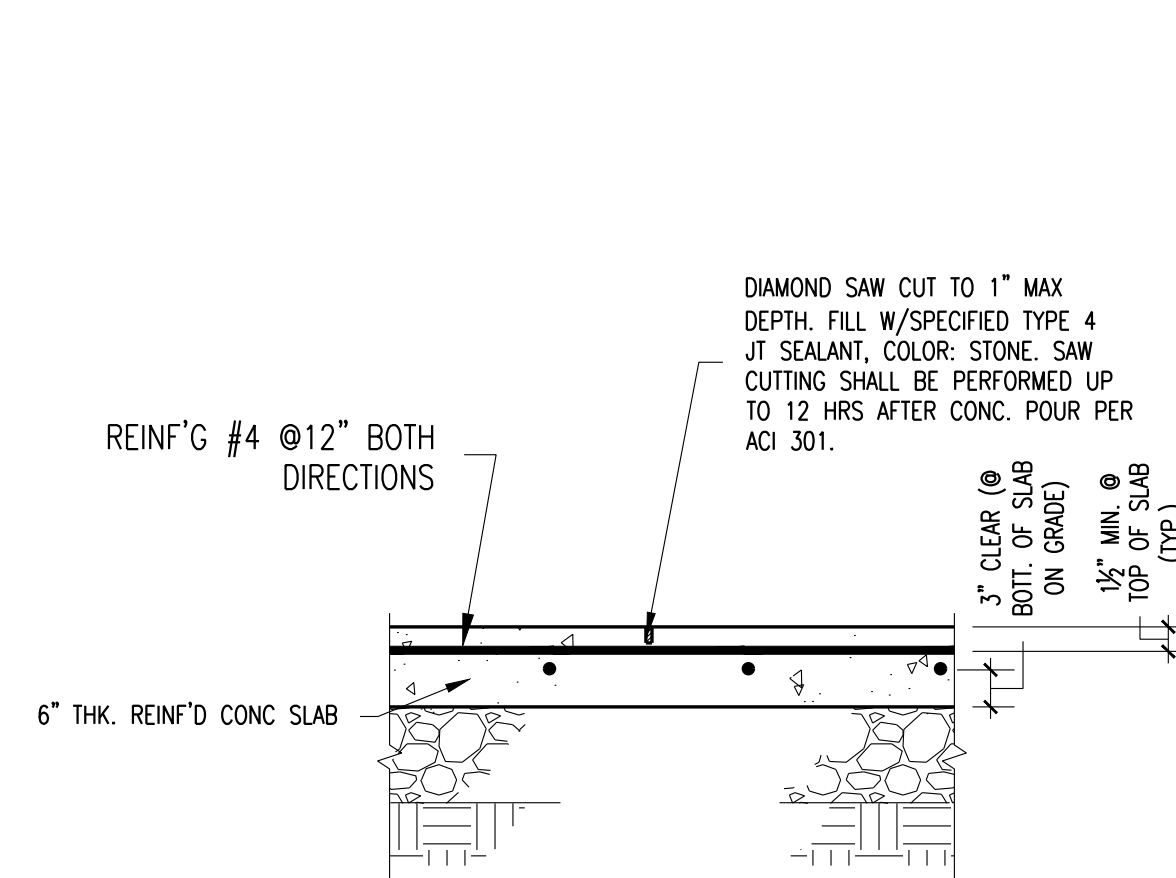


TYP FLR SLAB JOINT
INTERRUPTION DETAIL
SCALE: 1"=1'-0"

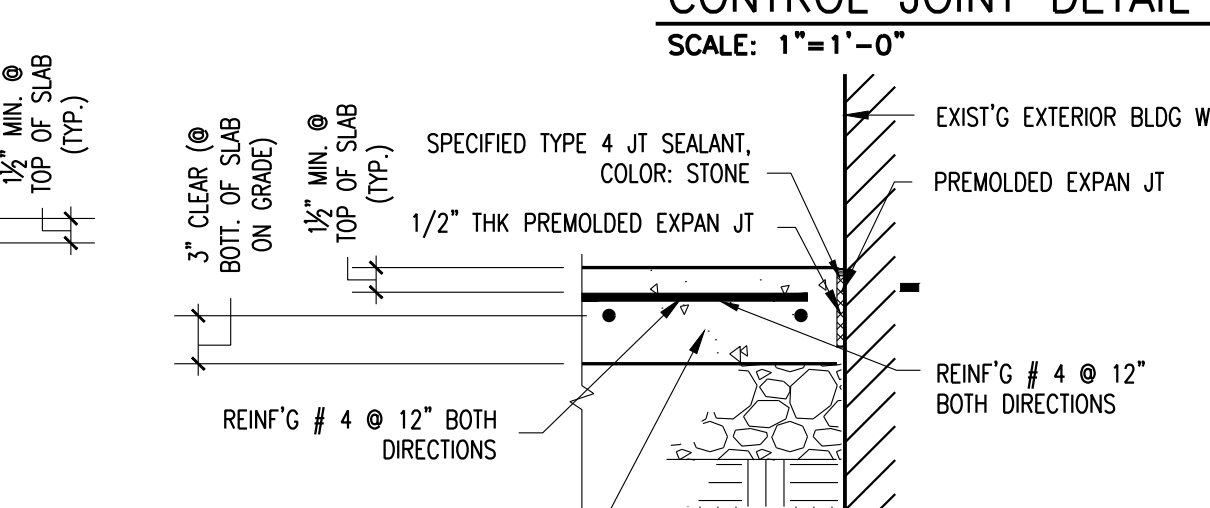
C NEW SIDEWALK DETAILS
A-2 SCALE: 1"=1'-0"



2 REFLECTED CEILING DEMOLITION
PLAN @ LOADING DOCK
A-2 1/8"=1'-0"

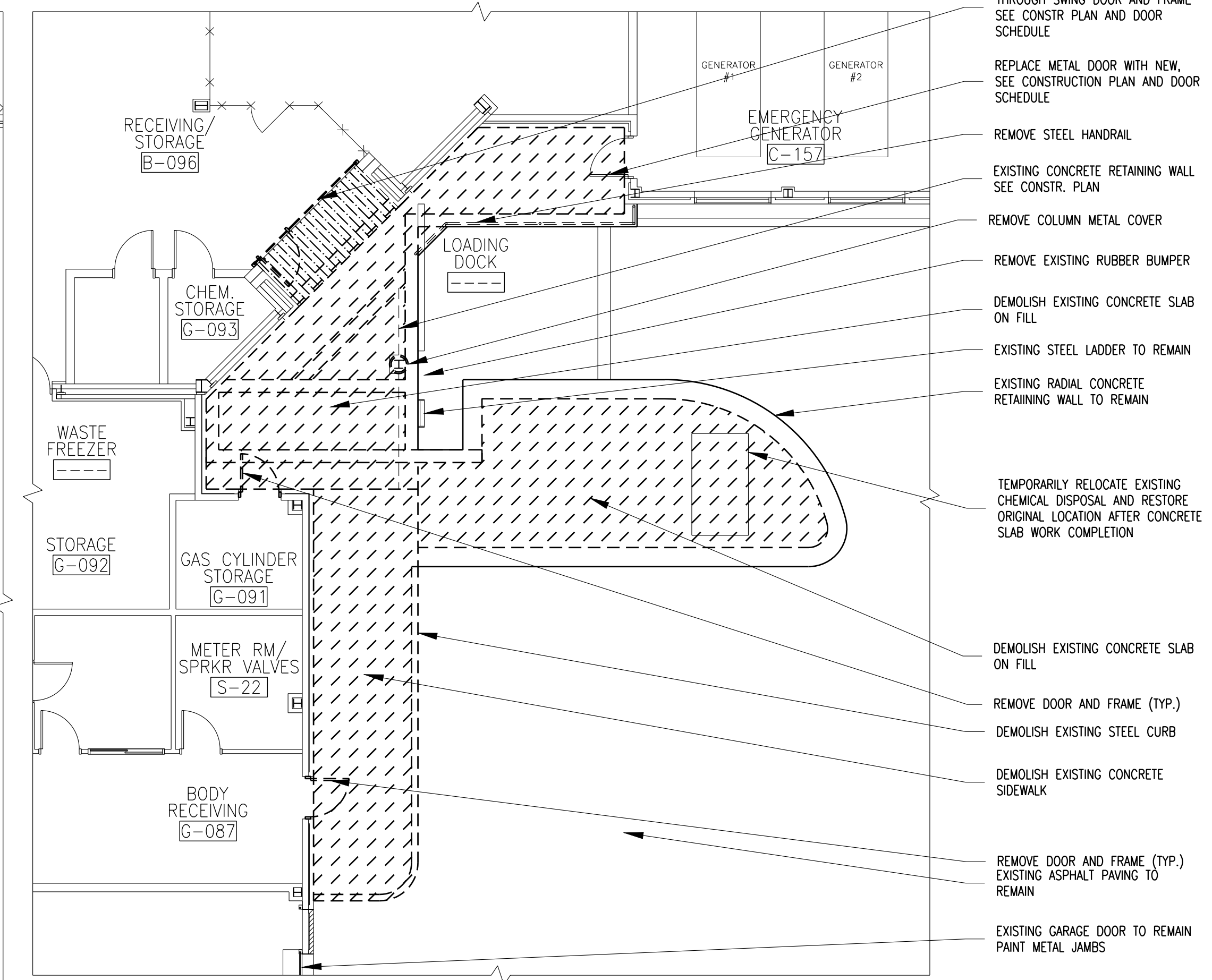


TYP FLR SLAB SAW CUT
CONTROL JOINT DETAIL
SCALE: 1"=1'-0"

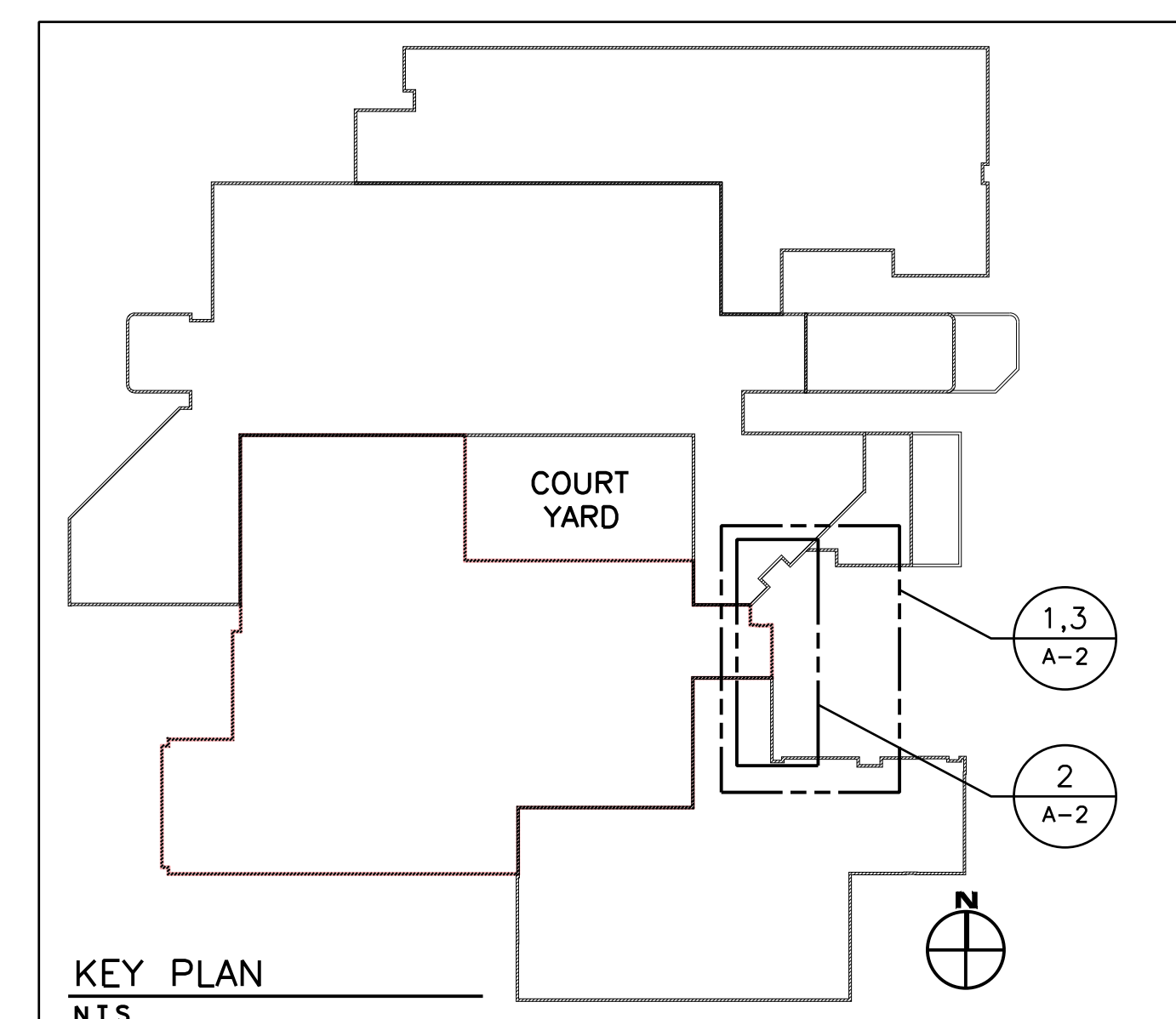


TYP FLR SLAB ABUTTING
BLDG WALL JOINT DETAIL
SCALE: 1"=1'-0"

1 DEMOLITION FLOOR PLAN @ LOADING DOCK
A-2 1/8"=1'-0"



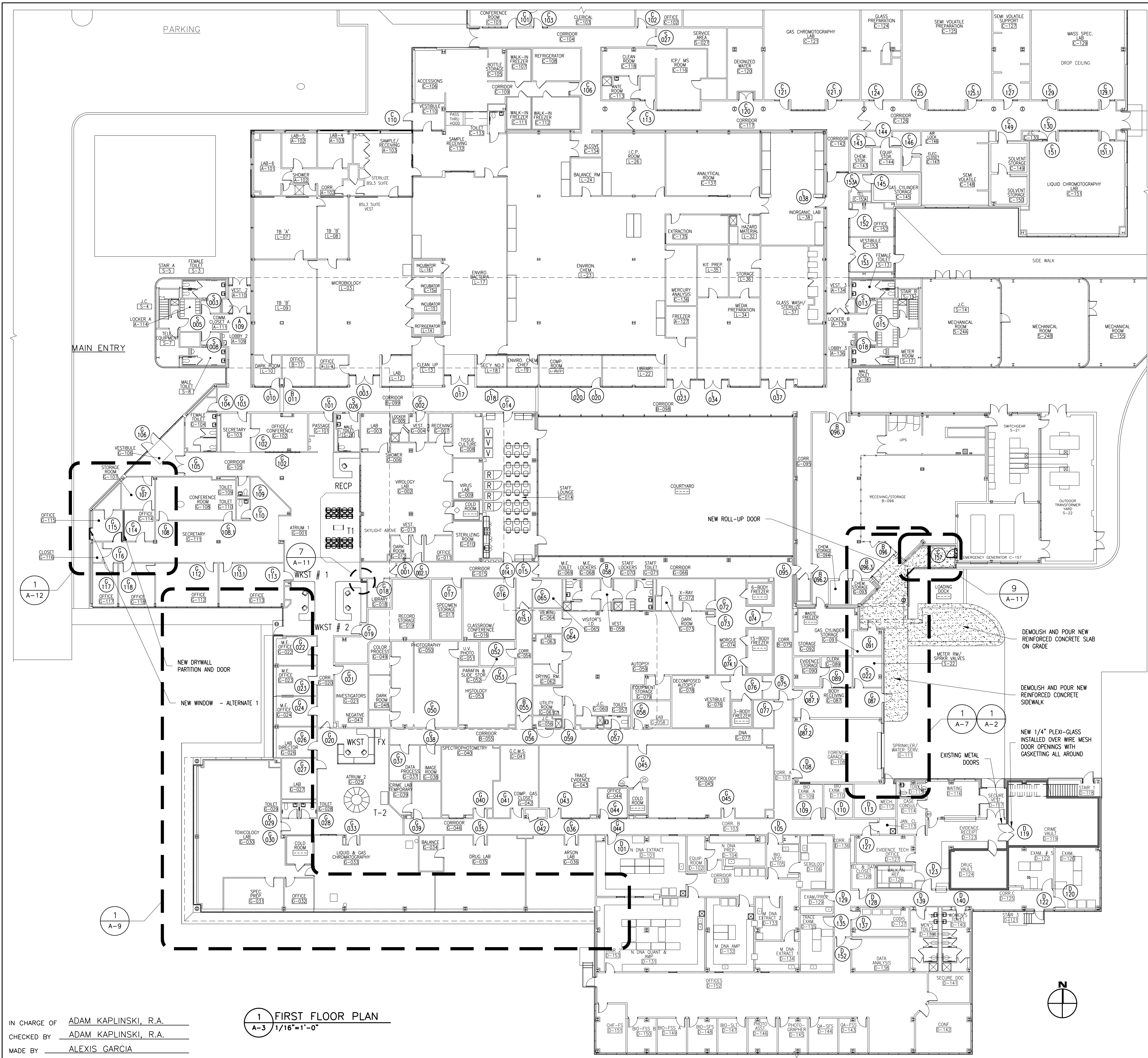
- REMOVE ROLLUP DOOR WITH PASS THROUGH SWING DOOR AND FRAME SEE CONSTR PLAN AND DOOR SCHEDULE
- REPLACE METAL DOOR WITH NEW, SEE CONSTRUCTION PLAN AND DOOR SCHEDULE
- REMOVE STEEL HANDRAIL
- EXISTING CONCRETE RETAINING WALL SEE CONSTR. PLAN
- REMOVE COLUMN METAL COVER
- REMOVE EXISTING RUBBER BUMPER
- DEMOLISH EXISTING CONCRETE SLAB ON FILL
- EXISTING STEEL LADDER TO REMAIN
- EXISTING RADIAL CONCRETE RETAINING WALL TO REMAIN
- TEMPORARILY RELOCATE EXISTING CHEMICAL DISPOSAL AND RESTORE ORIGINAL LOCATION AFTER CONCRETE SLAB WORK COMPLETION
- DEMOLISH EXISTING CONCRETE SLAB ON FILL
- REMOVE DOOR AND FRAME (TYP.)
- DEMOLISH EXISTING STEEL CURB
- DEMOLISH EXISTING CONCRETE SIDEWALK
- REMOVE DOOR AND FRAME (TYP.) EXISTING ASPHALT PAVING TO REMAIN
- EXISTING GARAGE DOOR TO REMAIN PAINT METAL JAMBS



KEY PLAN
N.T.S.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	DATE	TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK				CONTRACT NUMBER 19-531
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				SHEET NUMBER A-2
DIVISION OF ENGINEERING				SHEET NO. 4 OF 27
INFRASTRUCTURE UPGRADES				SCALE: AS NOTED
LABS AND RESEARCH				DATE: 10/28/21
VALHALLA CAMPUS, VALHALLA, NEW YORK				DPW FILE NO.
LOADING DOCK DEMOLITION PART PLANS AND DETAILS				REV. NO.: 0
				38-54-A-761

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA



LEGEND

NEW CONCRETE WORK

ROOM IDENTIFICATION TAG

AREA OF DETAIL

DETAIL IDENTIFICATION TAG

DOOR TAG

NEW TABLES AND CHAIRS AT STAFF LOUNGE ROOM BY OTHERS

NEW SEATING FIXTURE AT STAFF LOUNGE ROOM BY OTHERS

VENDING MACHINES AT STAFF LOUNGE ROOM BY OTHERS

NEW REFRIGERATOR AT STAFF LOUNGE ROOM BY CONTRACTOR

NEW RADIAL SEATING AT ATRIUM # 2 BY OTHERS

NEW BEAM SEATING AT ATRIUM # 1 BY OTHERS

NEW WORKSTATION AND SEATING AT ATRIUM # 1 BY OTHERS

WKST # 1

WKST # 2

RECEP

WKST

T-1

T-2

FX

KEY PLAN

N.T.S.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED

AS BUILT - NO CHANGES

CONTRACTOR

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE

NAME

SIGNATURE

TITLE

DATE

DATE

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

INFRASTRUCTURE UPGRADES

LABS AND RESEARCH

VALHALLA CAMPUS, VALHALLA, NEW YORK

1ST FLOOR PLAN

CONTRACT NUMBER

19-531

SHEET NUMBER

A-3

SHEET NO. 5 OF 27

SCALE: N.T.S.

DATE: 10/28/21

DPW FILE NO.

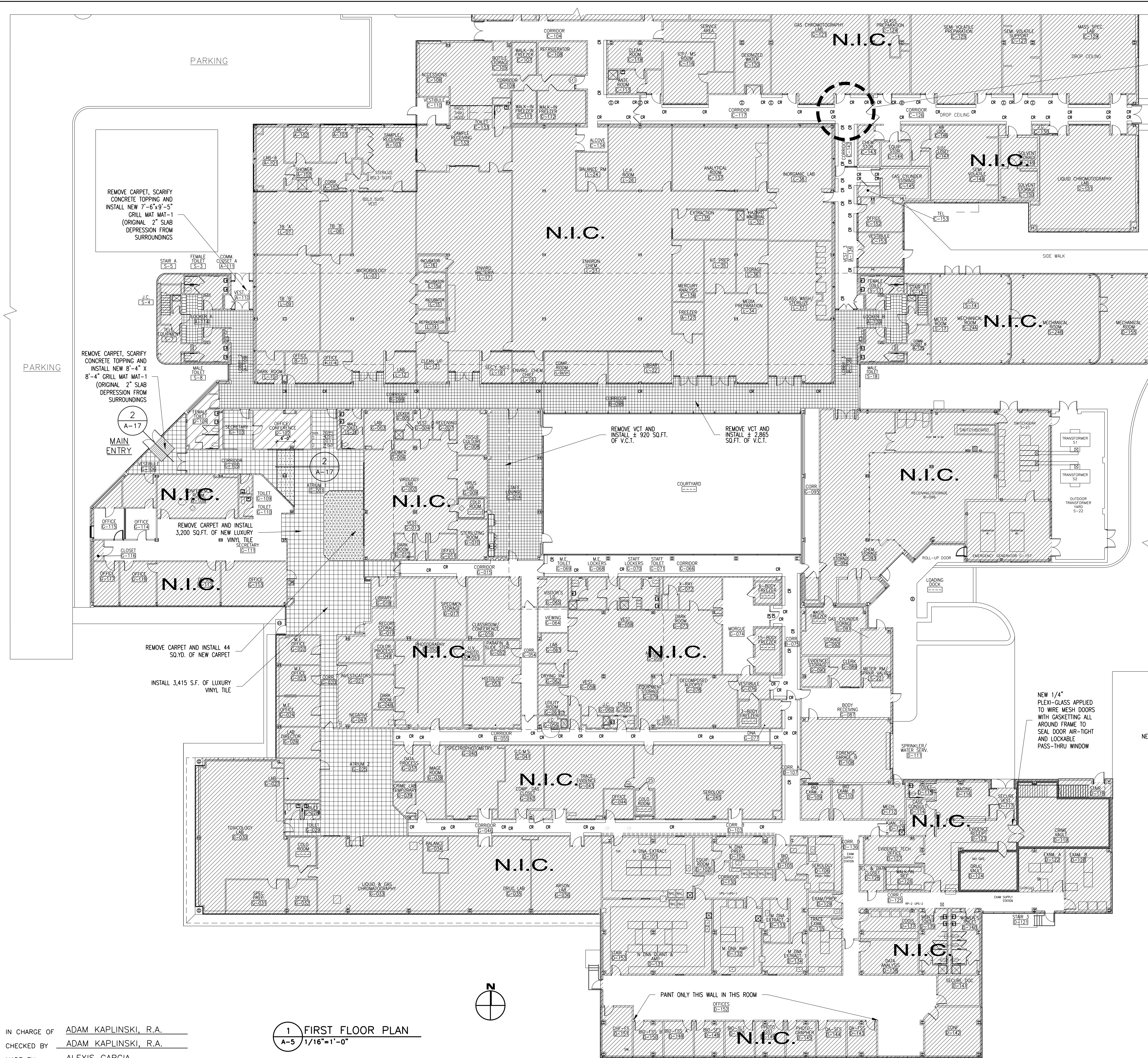
38-54-A-762

REV. NO.

0

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

1 FIRST FLOOR PLAN
A-3 1/16"=1'-0"

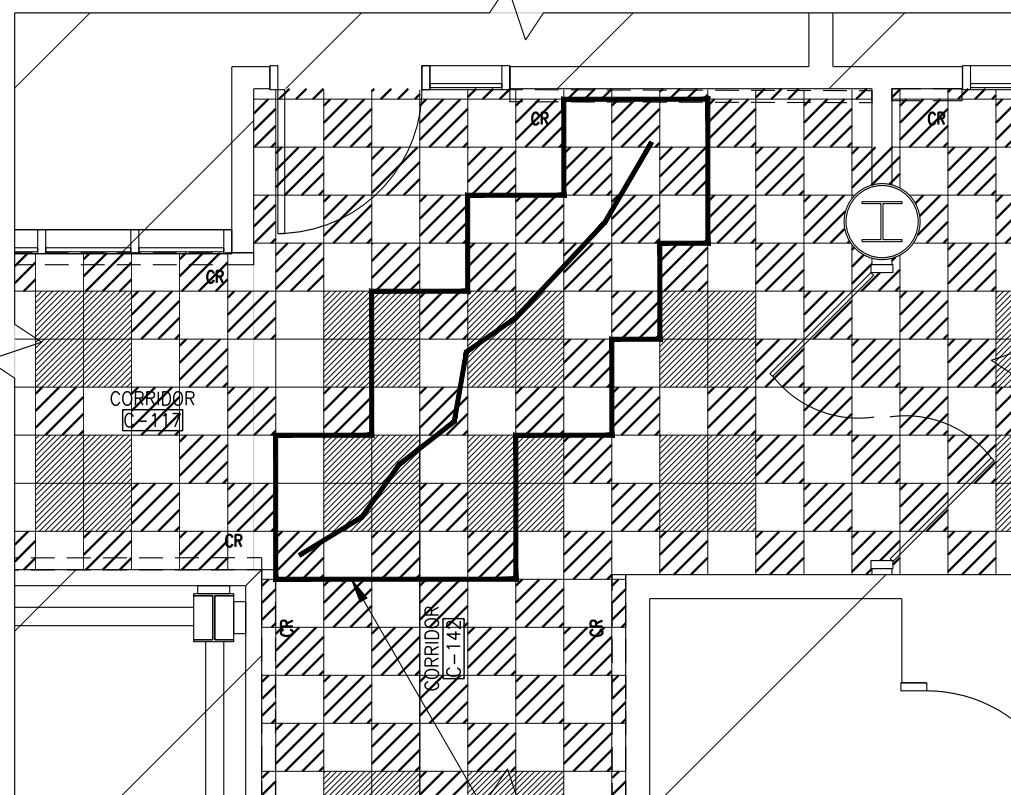


LEGEND

- NEW LUXURY VINYL TILE
- NEW V.C.T.
- NEW CARPET TILE
- N.I.C. AREA NOT IN CONTRACT FOR FINISHES
- EXISTING WALL CRASH RAIL TO REMAIN

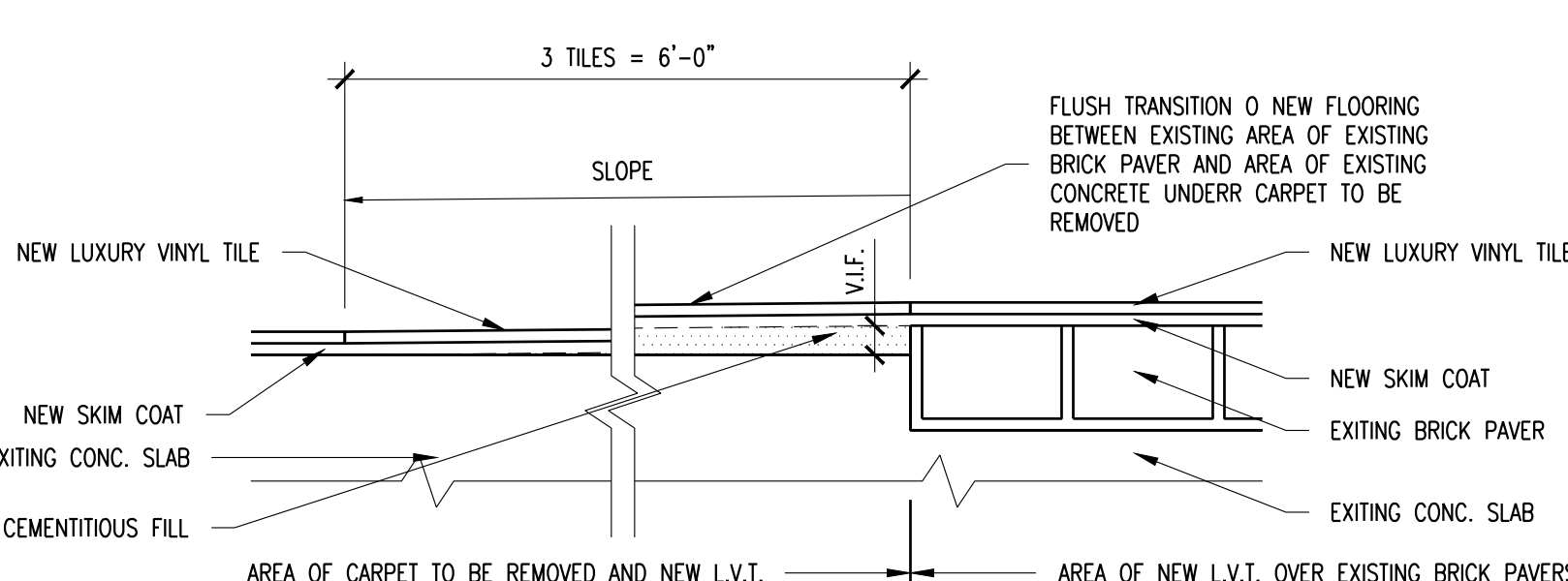
NEW WORK NOTES:

- SEE FINISH SCHEDULE ON SHEET A-17
- SEE REF. CLING. PLAN ON SHEET A-4
- SEE DOOR SCHEDULE ON SHEETS A-13 AND A-14
- NEW FLOORING WHERE SHOWN ON PLAN
- TRANSITION RUBBER STRIPS SHALL BE INSTALLED AT ALL LOCATIONS TO RECEIVE NEW FLOORING
- PAIN ALL EXISTING CORRIDOR WALLS AND DRYWALL CEILINGS IN PUBLIC CORRIDORS



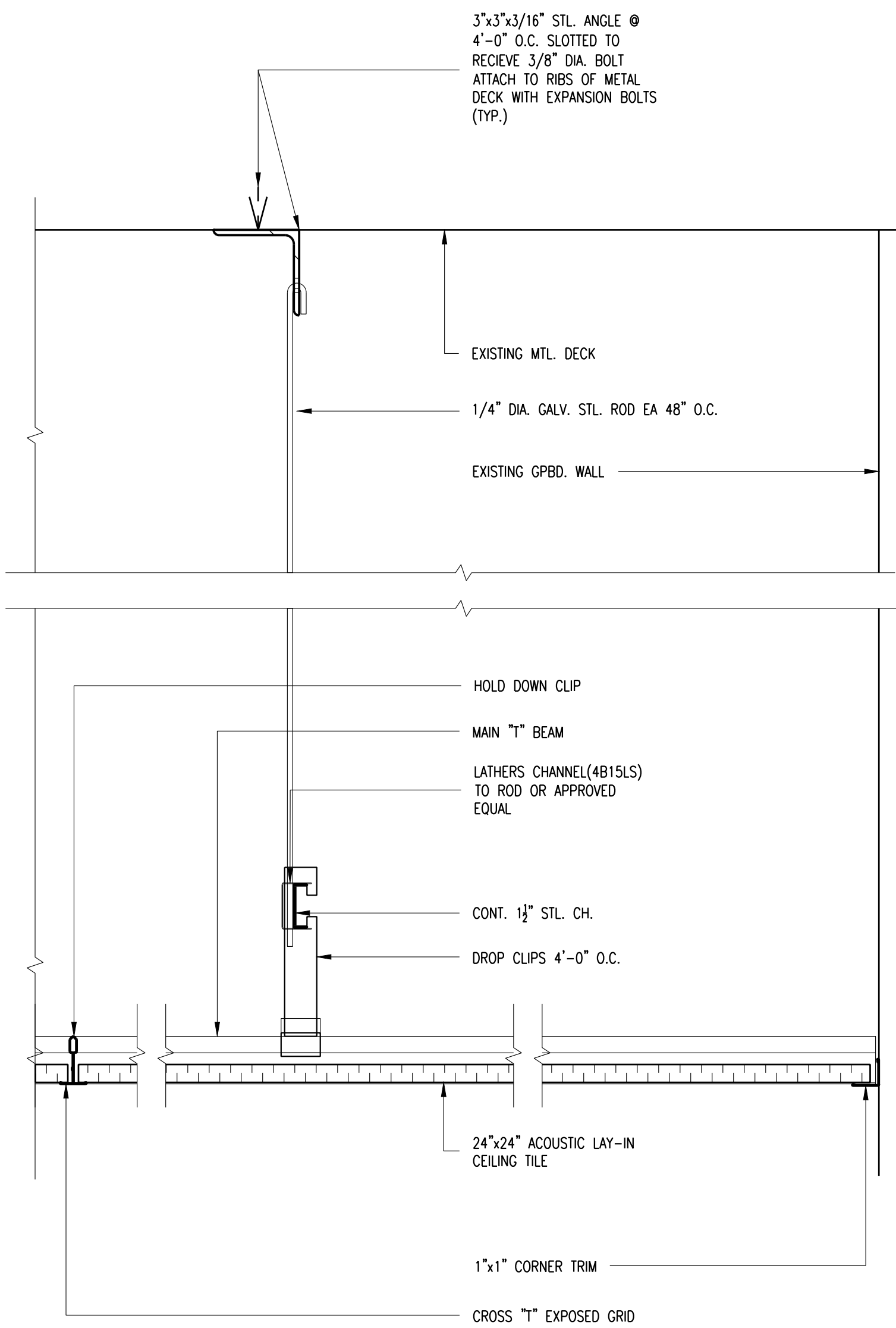
REMOVE V.C.T. TILES, REPAIR CRACK IN CONCRETE SLAB PER SPECIFICATION NO. 030130 MAINTENANCE OF CAST-IN-PLACE CONCRETE AND REPLACE TILES IN KIND. CONTRACTOR TO SOURCE TILE SAMPLES FROM DIFFERENT MANUFACTURERS AND FIND EXACT MATCH. MANUFACTURER AND COLORS ON FINISH SCHEDULE AND LEGEND FOR BIDDING PURPOSES ONLY

PARTIAL 1ST. FLOOR PLAN
CONCRETE FLOOR SLAB CRACK REPAIR

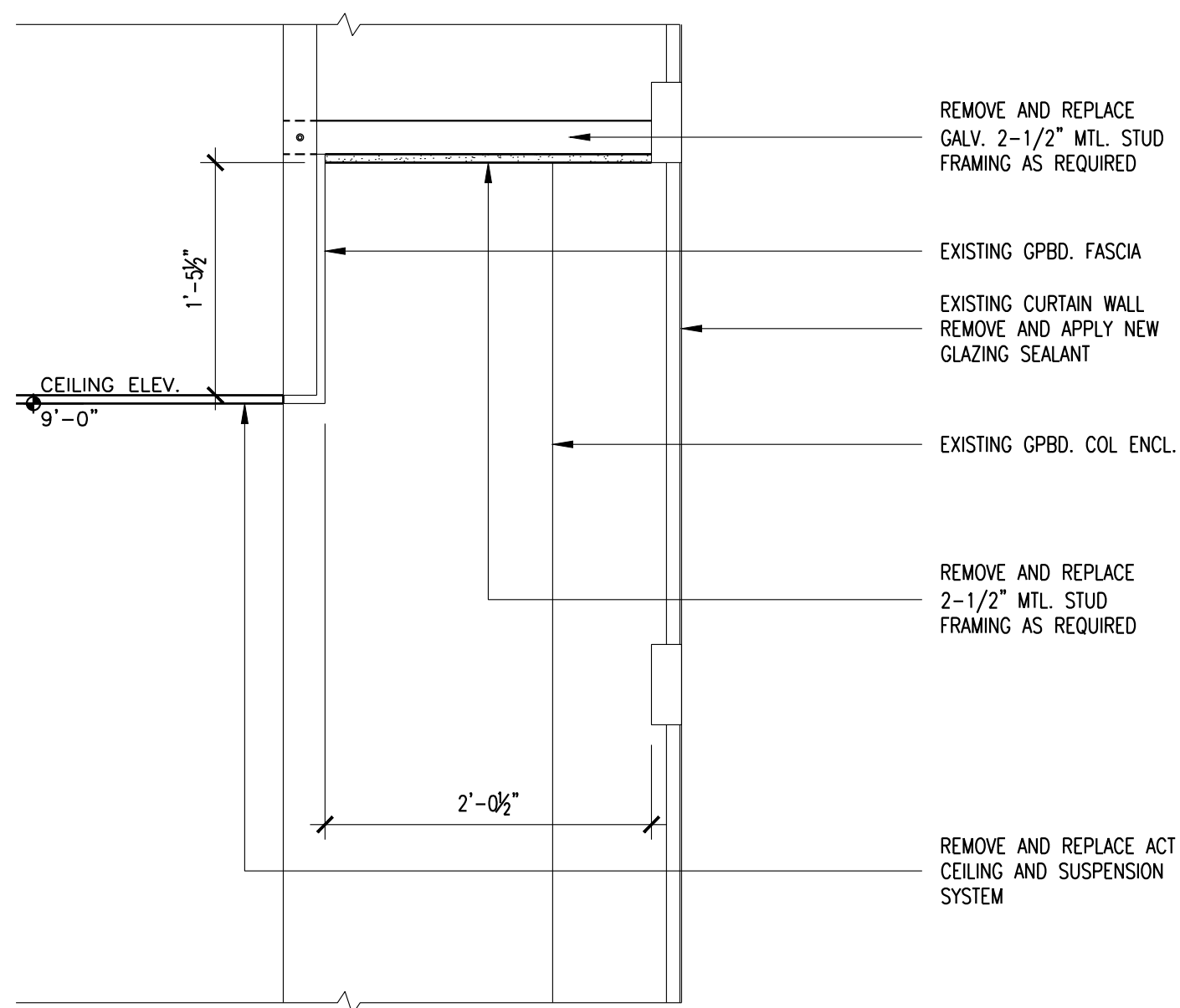


PARTIAL 1ST. FLOOR PLAN
FLOOR TRANSITION DETAIL

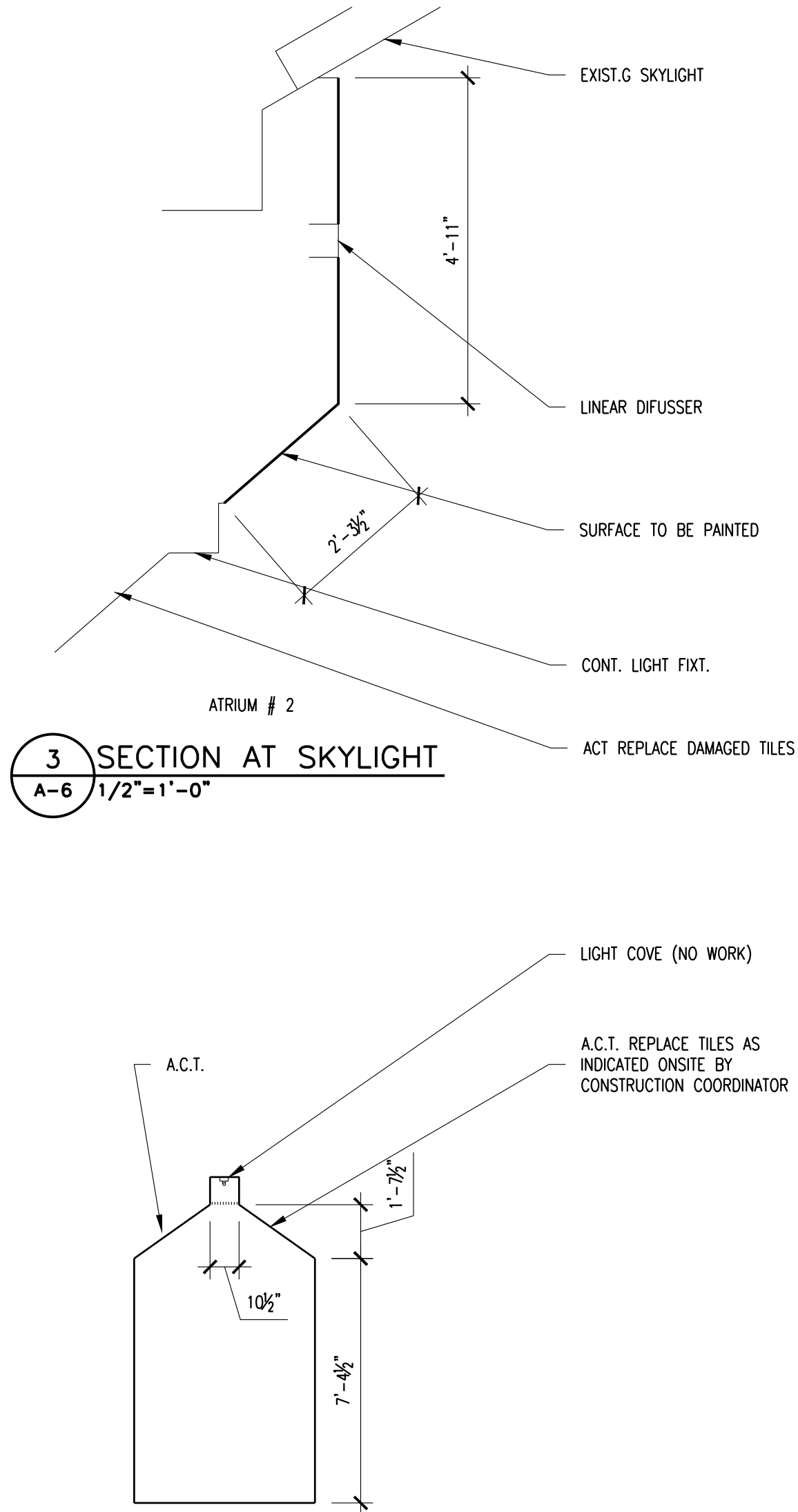
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
1	10/28/21	ADAM KAPLINSKI, R.A.	ADAM KAPLINSKI, R.A.	AS BUILT - CHANGES AS NOTED
2	10/28/21	ALEXIS GARCIA	ALEXIS GARCIA	AS BUILT - NO CHANGES
RECORD DRAWING CERTIFICATION				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
WESTCHESTER COUNTY, NEW YORK		19-531		
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		A-5		
DIVISION OF ENGINEERING		SHEET NO. 7 OF 27		
INFRASTRUCTURE UPGRADES		SCALE: 1/16"=1'-0"		
LABS AND RESEARCH		DATE: 10/28/21		
VALHALLA CAMPUS, VALHALLA, NEW YORK		DPW FILE NO.		
1ST. FLOOR FINISHES PLAN		38-54-A-764		
		REV. NO.		
		0		



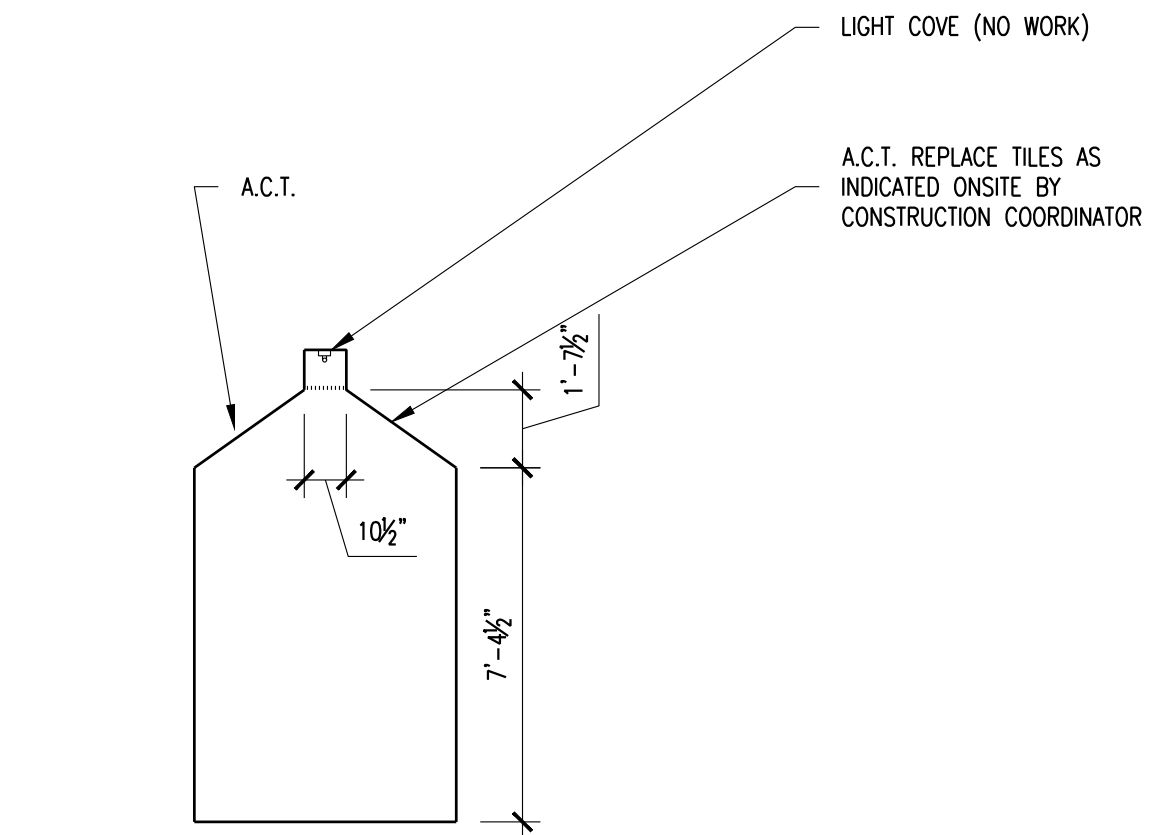
ACOUSTIC CEILING TILE DETAIL
@ STAFF LOUNGE RM # G-014
A-6 3"=1'-0"



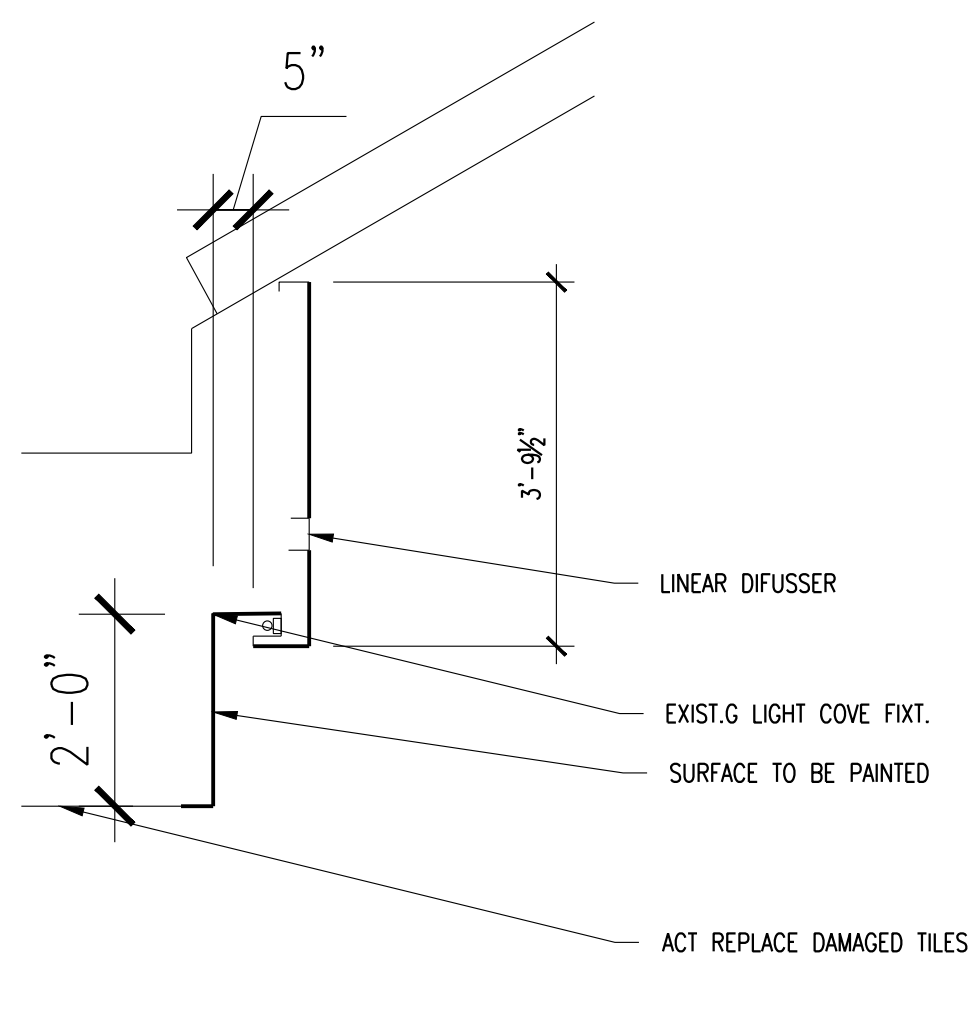
SOFFIT REPAIR DETAIL
@ STAFF LOUNGE RM # G-014
A-6 3"=1'-0"



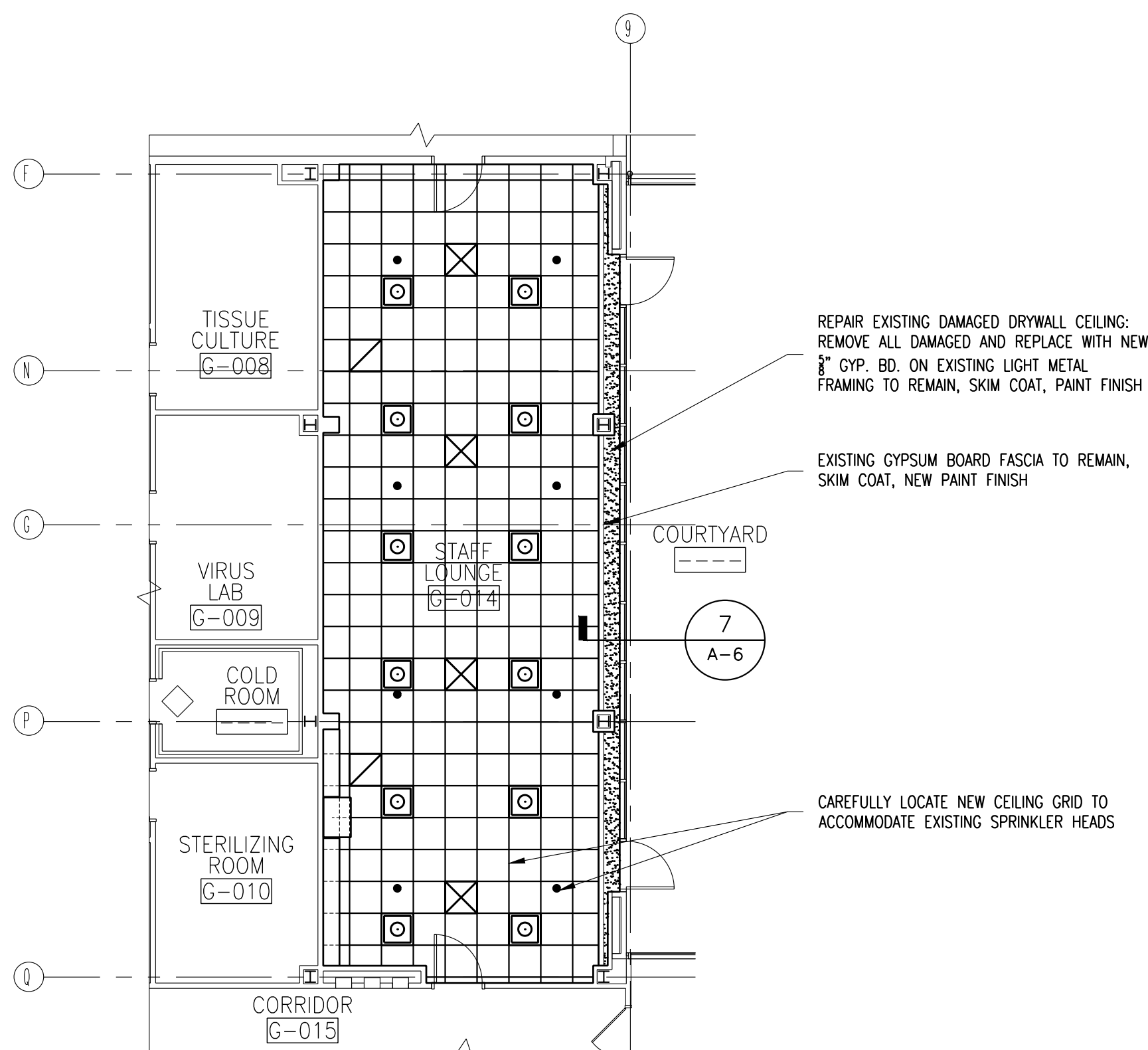
SECTION AT SKYLIGHT
A-6 1/2"=1'-0"



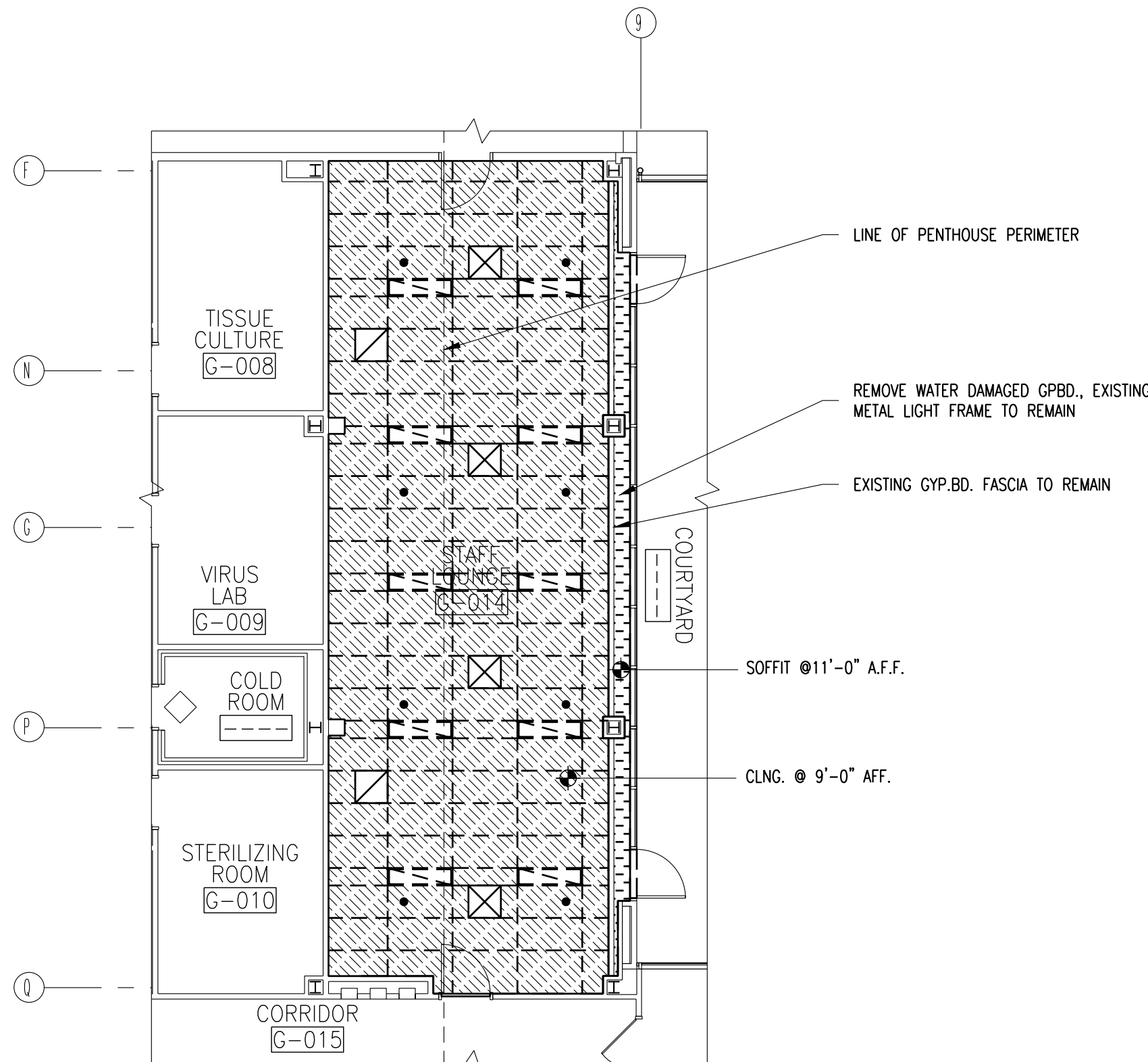
SECTION AT CORRIDOR
G-020
A-6 1/4"=1'-0"



SECTION AT SKYLIGHT
A-6 1/2"=1'-0"



NEW WORK CEILING PLAN @ STAFF LOUNGE
A-6 1/8"=1'-0"



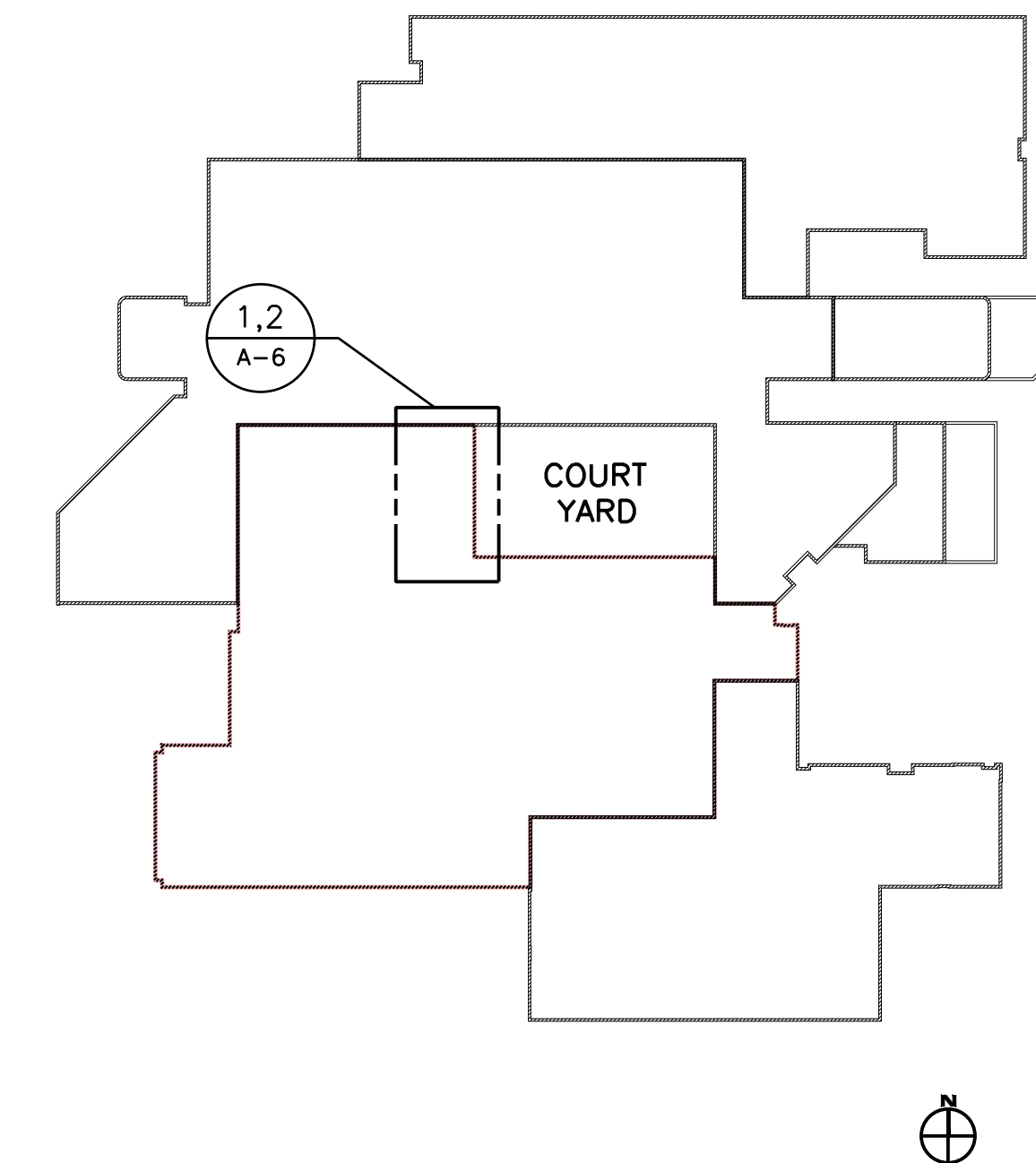
DEMOLITION CEILING PLAN @ STAFF LOUNGE
A-6 1/8"=1'-0"

LEGEND - NEW WORK

- RELOCATED DIFFUSER SEE MECH.
- RELOCATED RETURN SEE MECH.
- SPRINKLER HEAD TO REMAIN IN EXISTING LOCATION
- NEW 2'x2' LED FIXTURE, SEE ELECTRICAL
- NEW 2' X 2' A.C.T., GRID AND HANGERS
- REPAIR EXISTING DAMAGED SOFFIT:

LEGEND - DEMO

- EXISTING DIFFUSER TO BE RELOCATED, SEE MECH.
- EXISTING RETURN TO BE RELOCATED SEE MECH.
- DEMOLISH A.C.T., GRID, HANGERS
- SPRINKLER HEAD TO REMAIN IN EXISTING LOCATION
- EXISTING LIGHT FIXTURE TO BE REMOVED
- REMOVE GPDB. FROM CEILING OR SOFFIT

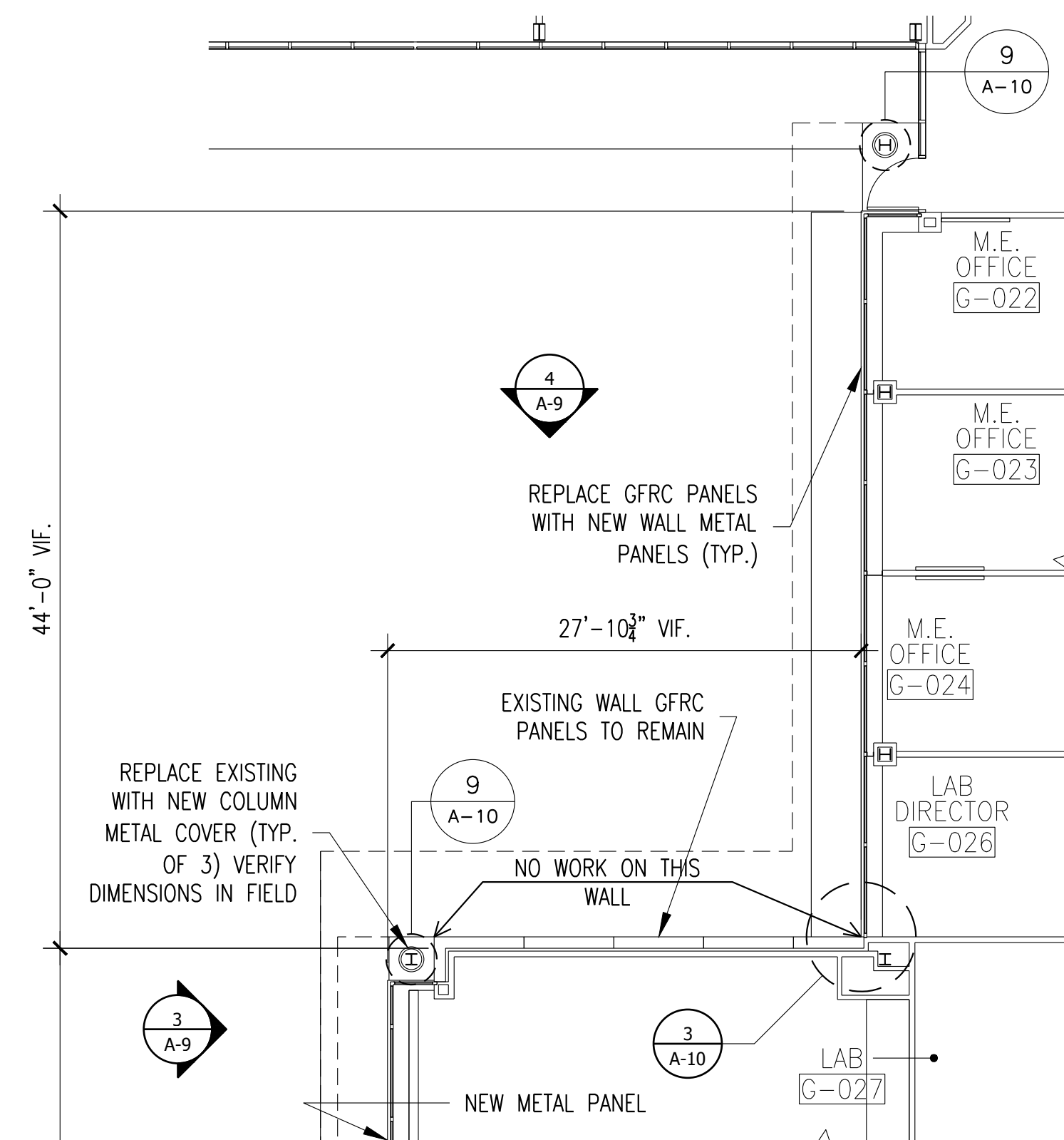
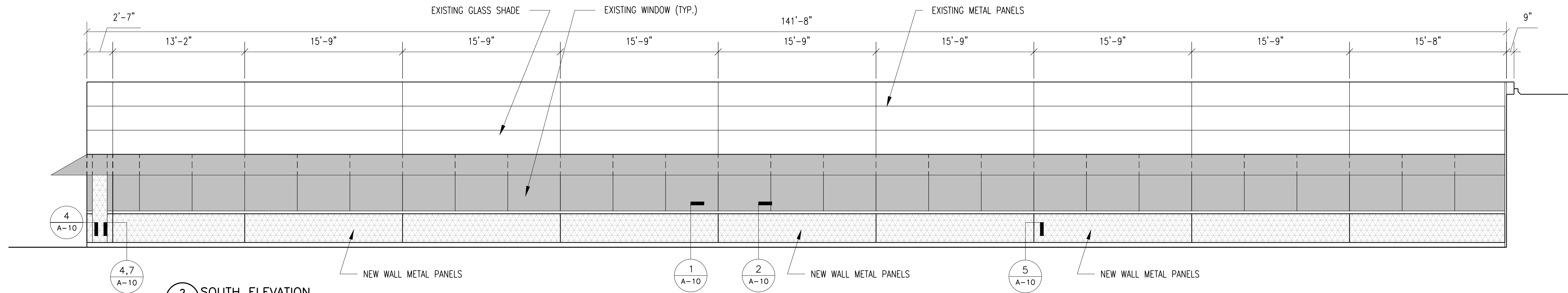


KEY PLAN
N.T.S.

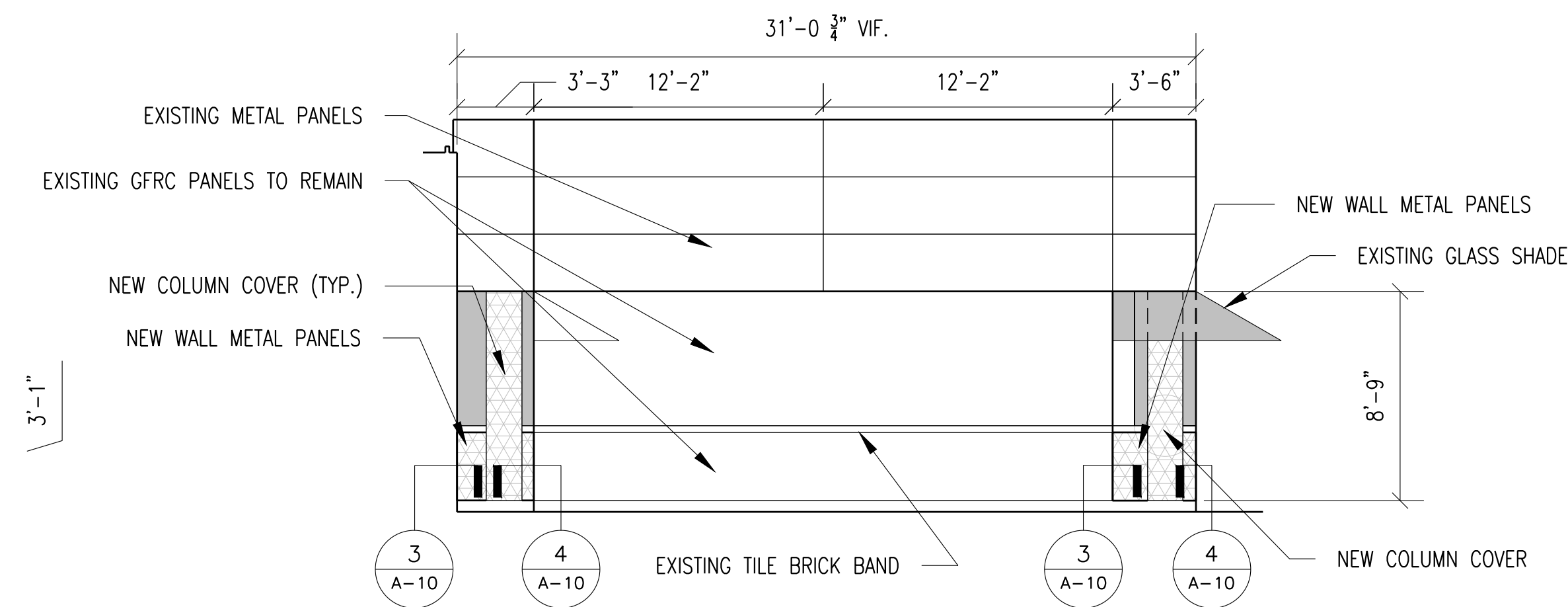
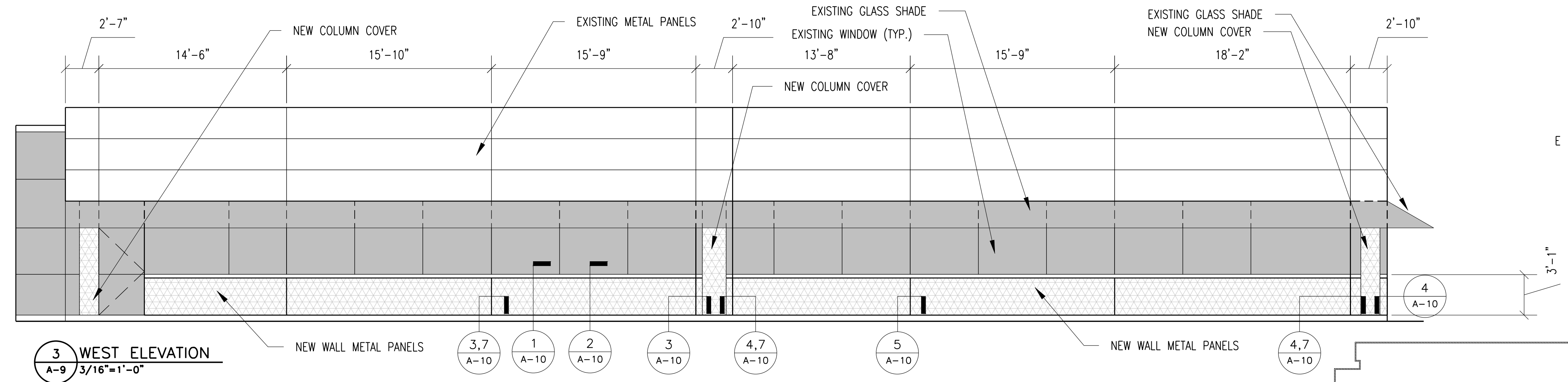
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME	SIGNATURE	TITLE	NAME	SIGNATURE
WESTCHESTER COUNTY, NEW YORK			DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	
DIVISION OF ENGINEERING			SHEET NO. 8 OF 27	
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK			SCALE: AS NOTED DATE: 10/28/21	
STAFF LOUNGE DEMOLITION AND NEW WORK CEILING PLANS			DPW FILE NO. 38-54-A-765	REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

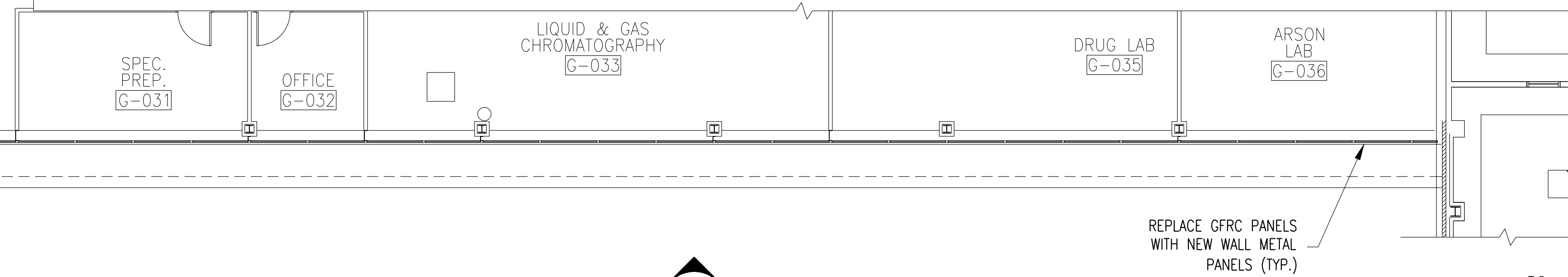
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
☐ AS BUILT - CHANGES AS NOTED					
☐ AS BUILT - NO CHANGES					
NAME _____ SIGNATURE _____ TITLE _____ DATE _____			PROJECT COORDINATOR NAME _____ SIGNATURE _____ TITLE _____ DATE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING			CONTRACT NUMBER 19-531 SHEET NUMBER A-7 SHEET NO. 9 OF 27 SCALE: AS NOTED DATE: 10/28/21 DPW FILE NO. 38-54-A-766		
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK LOADING DOCK NEW WORK PLANS AND DETAILS					



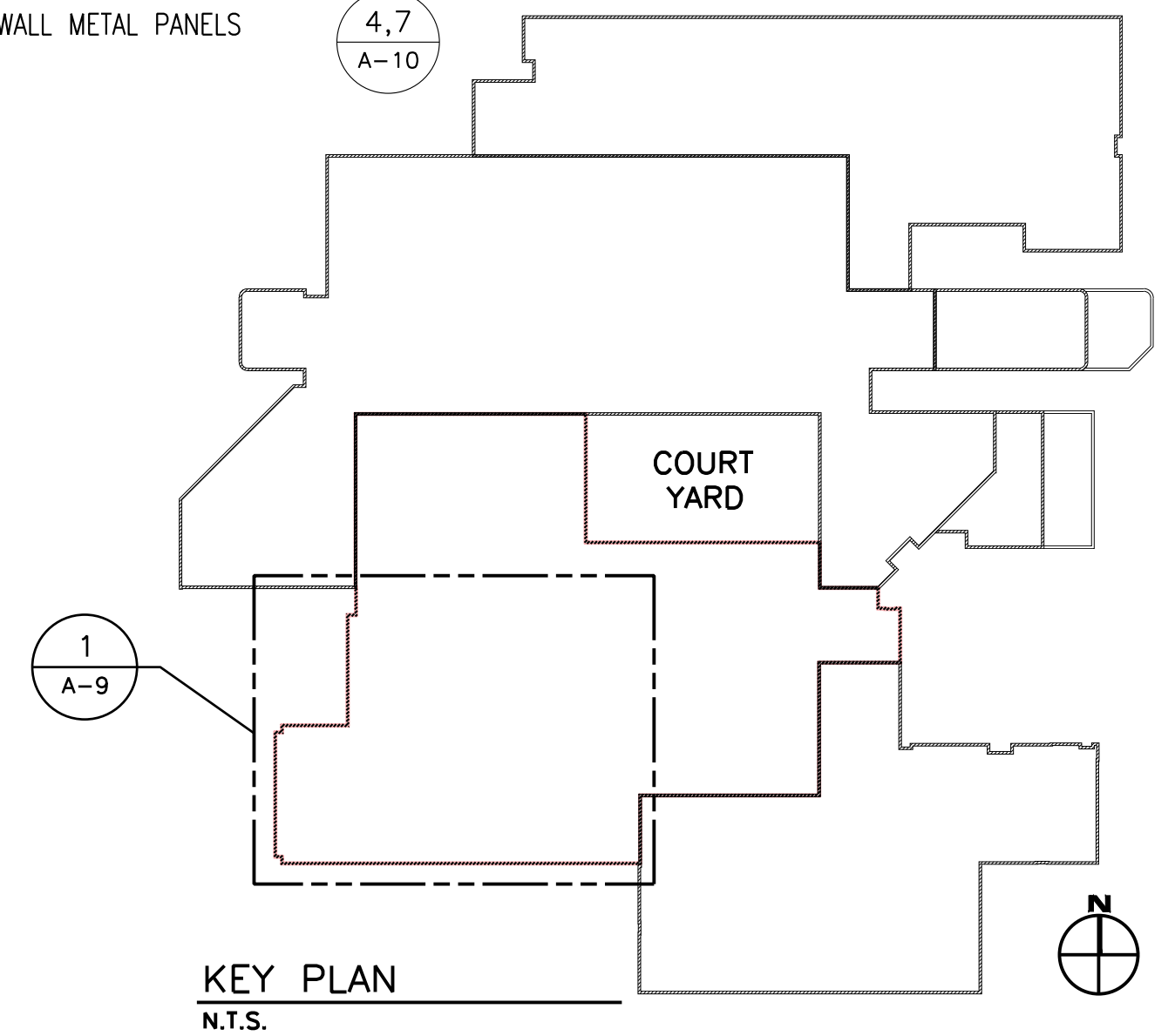
3 WEST ELEVATION
A-9 1/8"=1'-0"



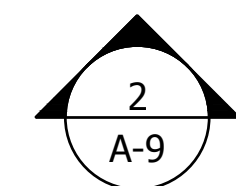
NOTE:
CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS INCLUDING ADJOINING MATERIALS AND CONDITIONS, AND PROVIDING SHOP DRAWINGS INCLUDING ALL INTERSECTION WITH EXISTING MATERIALS AND CONDITIONS DETAILS.
DIMENSIONS ARE GIVEN FOR BIDDING PROCESS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD
DESIGN IS BASED ON 'ENVELOPE 2000' METAL PANELS BY CITADEL ARCHITECTURAL PRODUCTS.



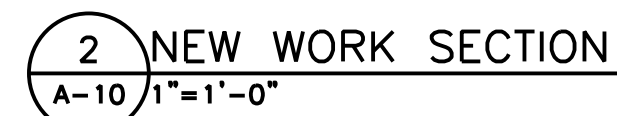
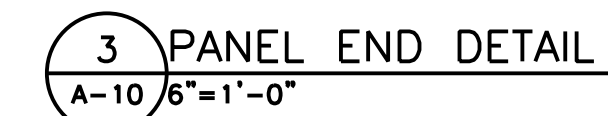
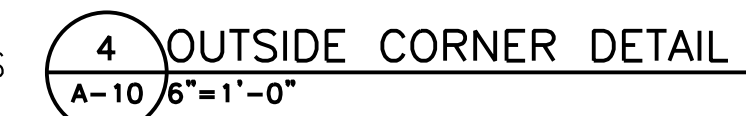
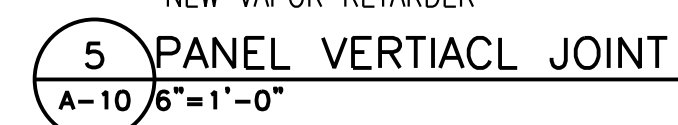
1 PARTIAL 1ST. FLOOR PLAN
A-9 1/8"=1'-0"



IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA



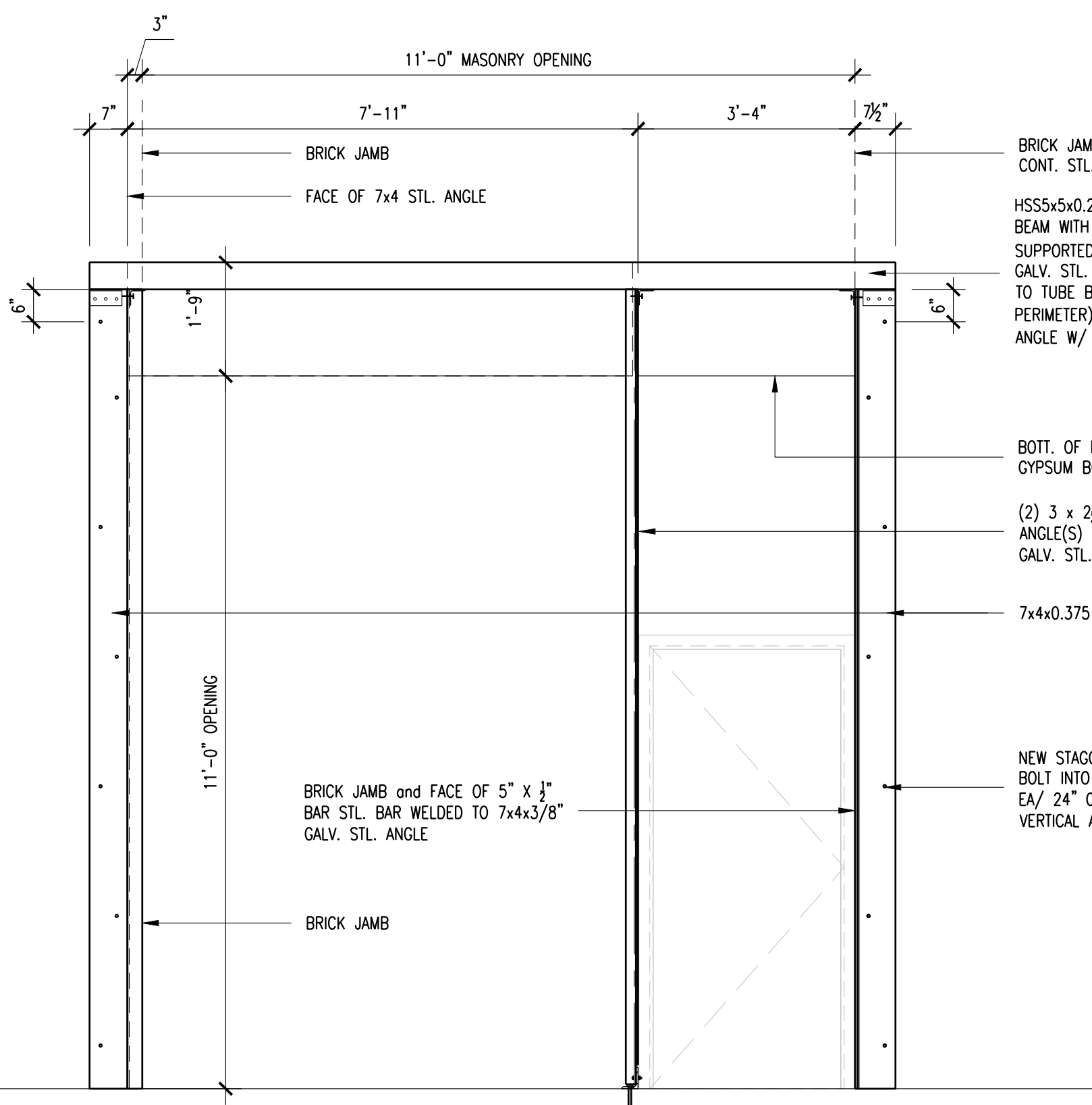
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME	SIGNATURE			NAME
TITLE	DATE			TITLE
WESTCHESTER COUNTY, NEW YORK				CONTRACT NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				19-531
DIVISION OF ENGINEERING				SHEET NUMBER
				A-9
INFRASTRUCTURE UPGRADES				SHEET NO. 11 OF 27
LABS AND RESEARCH				SCALE: AS NOTED
VALHALLA CAMPUS, VALHALLA, NEW YORK				DATE: 10/28/21
EXTERIOR WALL PANEL REPLACEMENT - PLAN AND ELEVATIONS				DPW FILE NO.
				38-54-A-768
				REV. NO.
				0



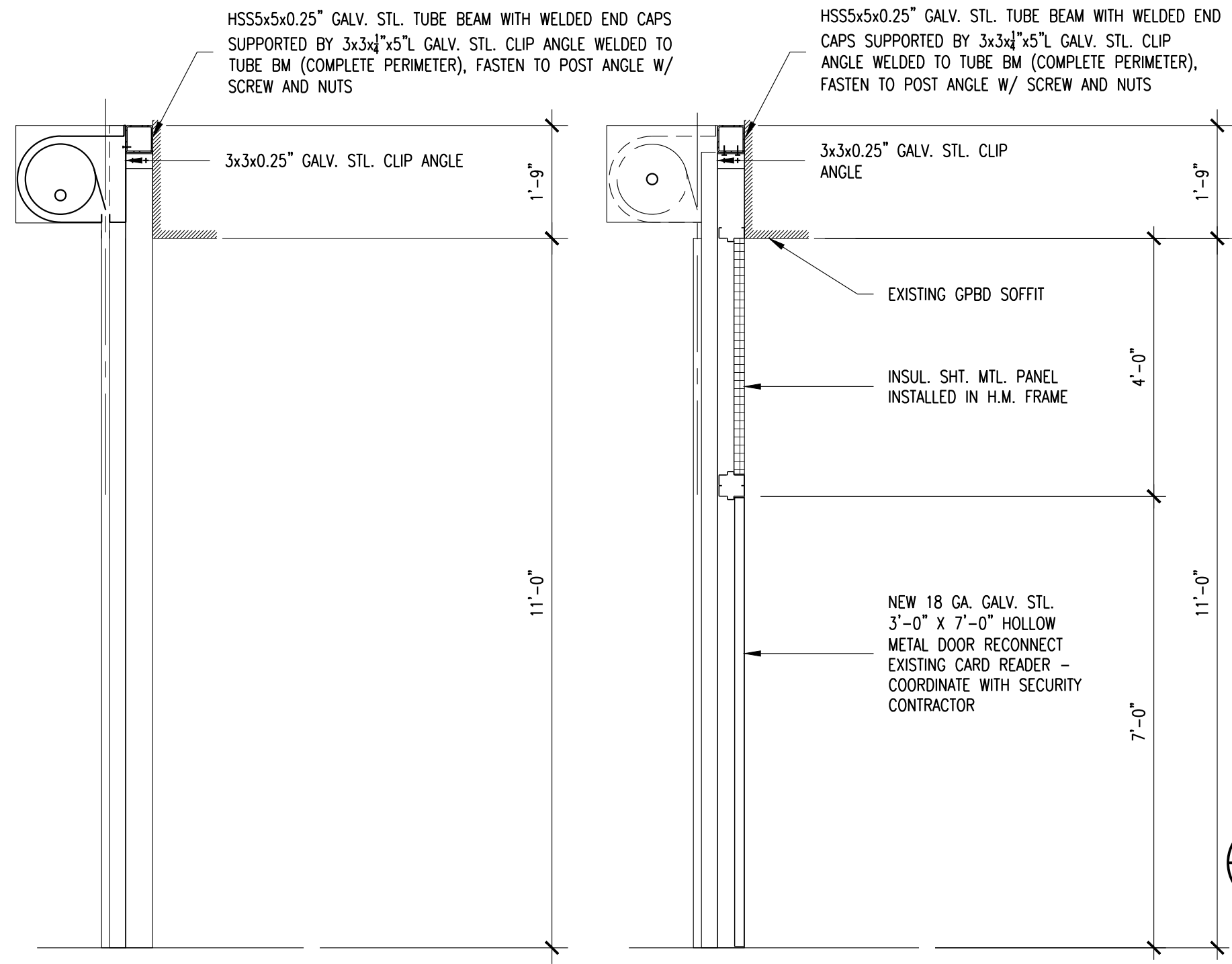
NOTE:
FOR ALL WALL PANEL DETAILS ON THIS PAGE:
FOR EXISTING AND NEW FRAMING, SEE SECTIONS 11 AND 12/A-10

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED				
☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
TITLE _____ DATE _____			TITLE _____ DATE _____	
WESTCHESTER COUNTY, NEW YORK				
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				
DIVISION OF ENGINEERING				
			CONTRACT NUMBER 19-531	SHEET NUMBER A-10
			SHEET NO. 12 OF 27	
			SCALE: AS NOTED 10/28/21	
			DPW FILE NO. 38-54-A-769	REV. NO. 0
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK EXTERIOR WALL PANEL DETAILS				

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

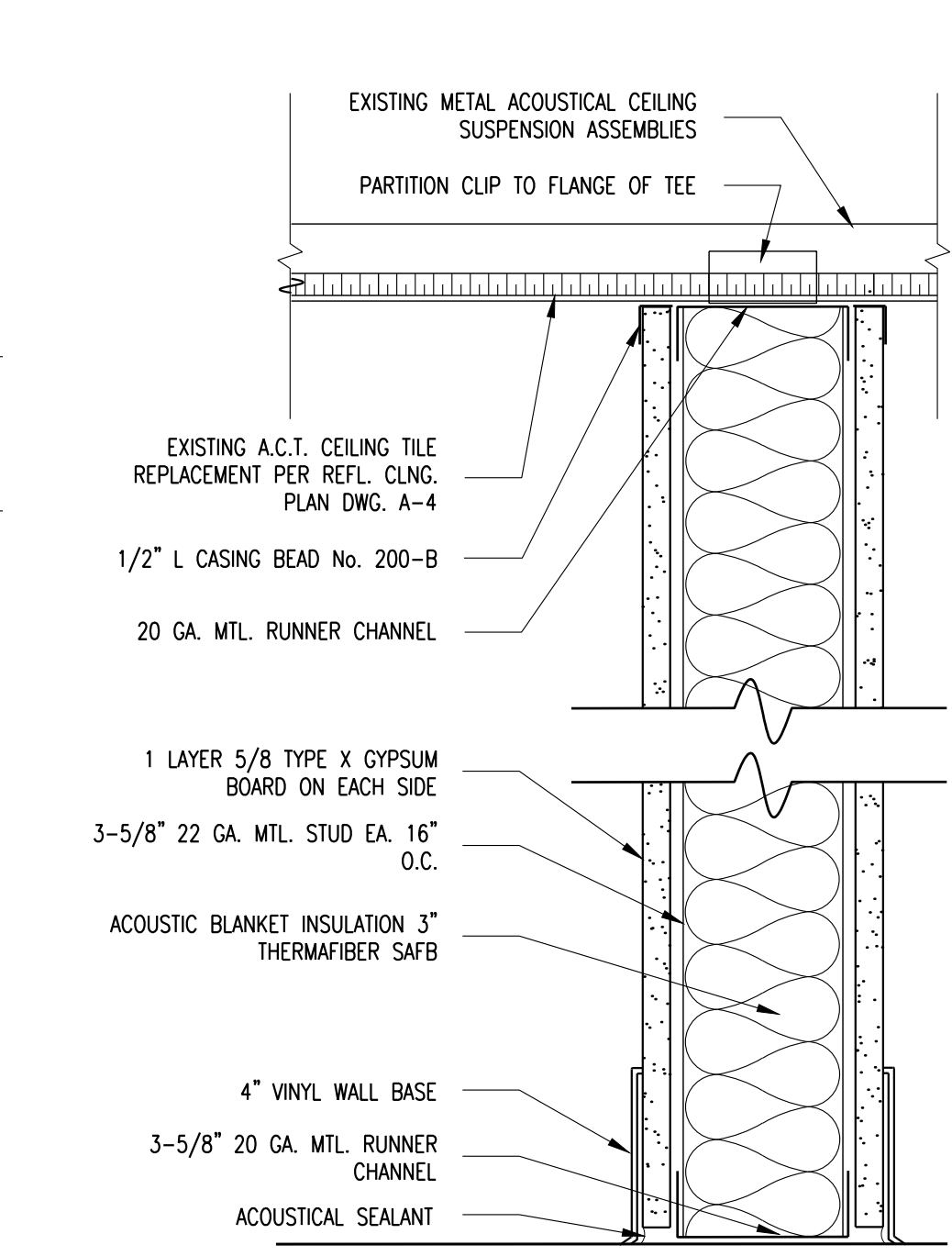


1 ROLL-UP DOOR #096 FRAMING ELEVATION
A-11 1/2"=1'-0"

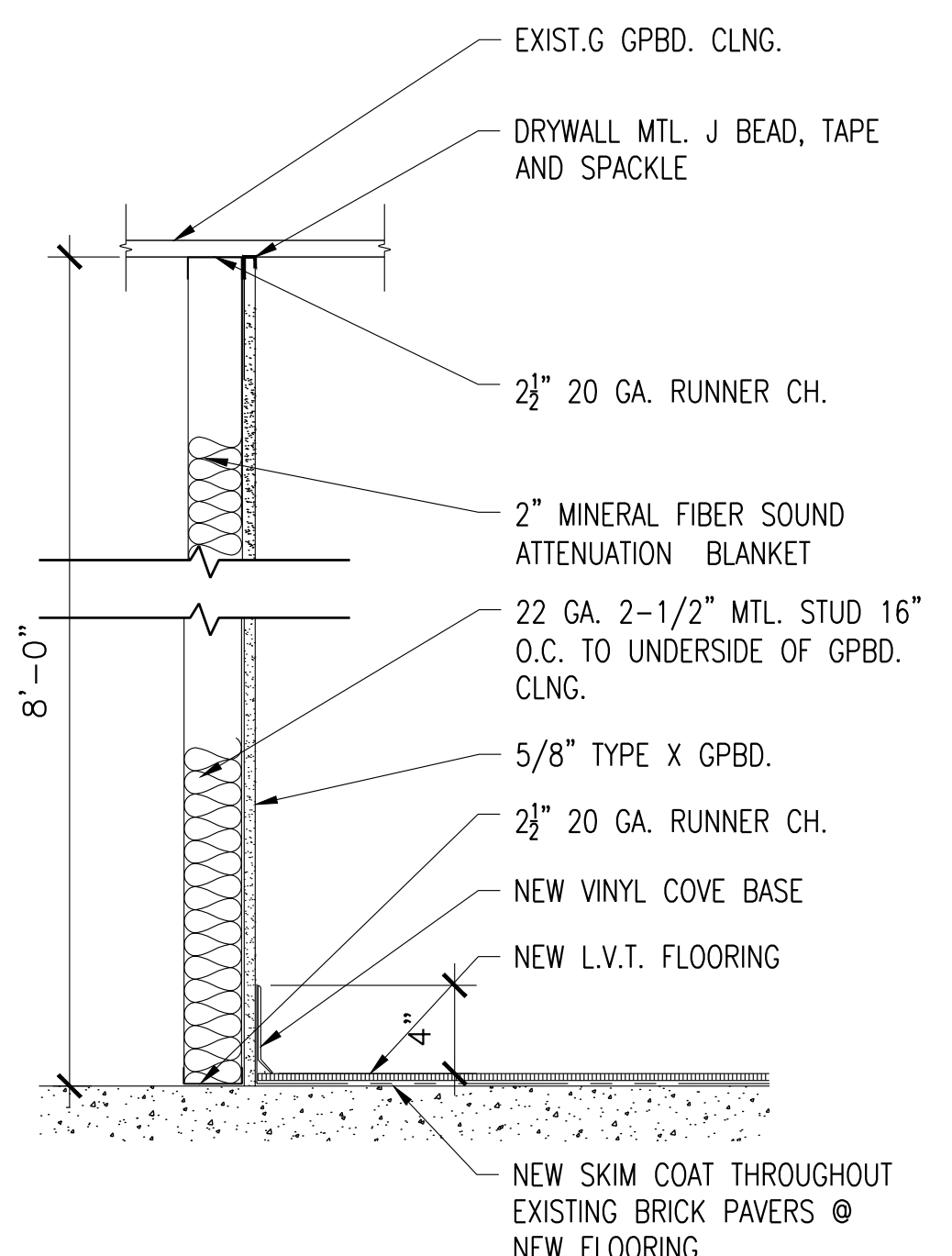


2 SECTION THROUGH ROLL-UP DOOR #096
A-11 1/2"=1'-0"

3 SECTION @ DOOR #96.3 @ LOADING DOCK
A-11 3/4"=1'-0"

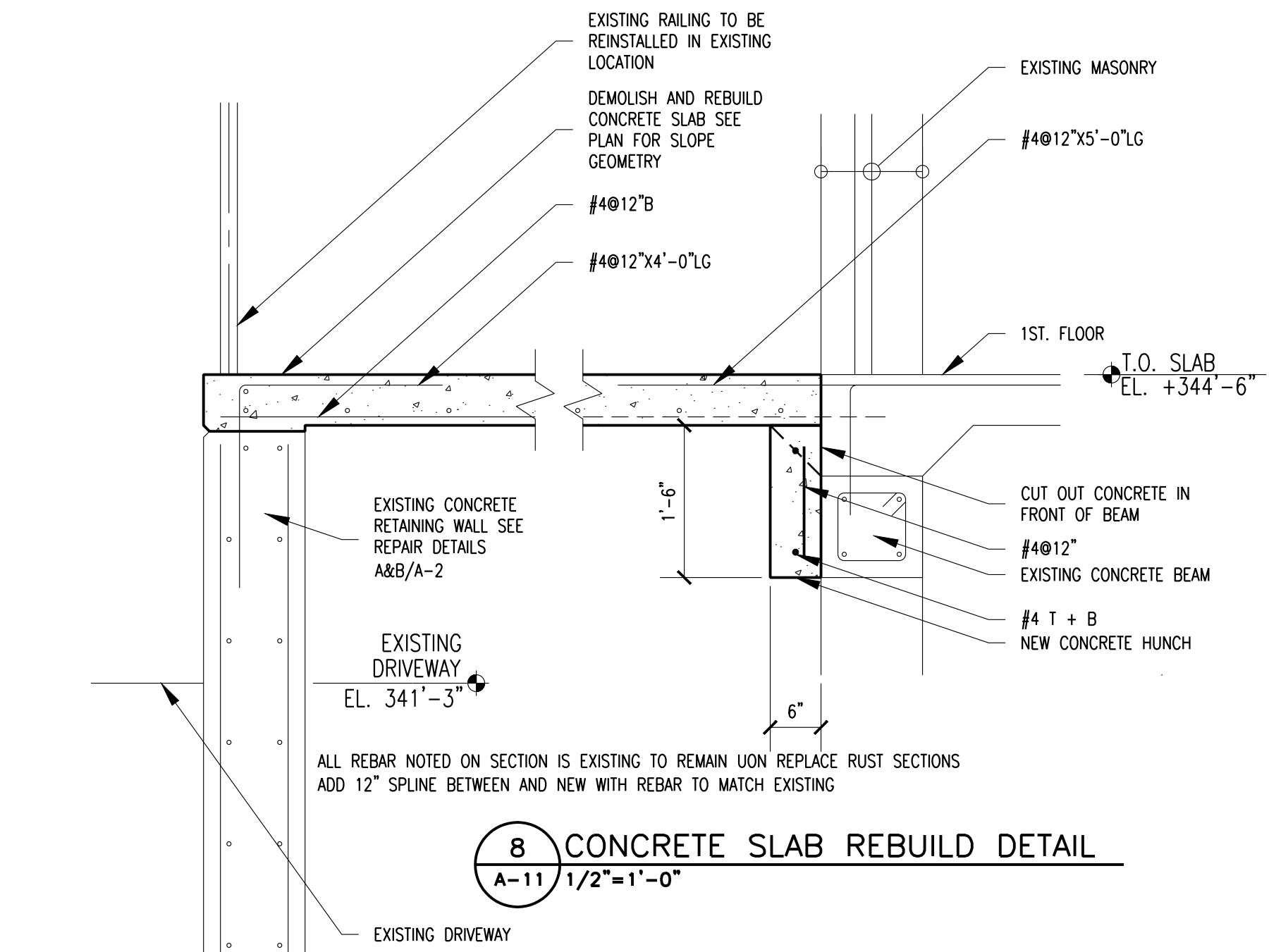


6 PARTITION SECTION @ OFFICES # G114 & G115
A-11 3/4"=1'-0"

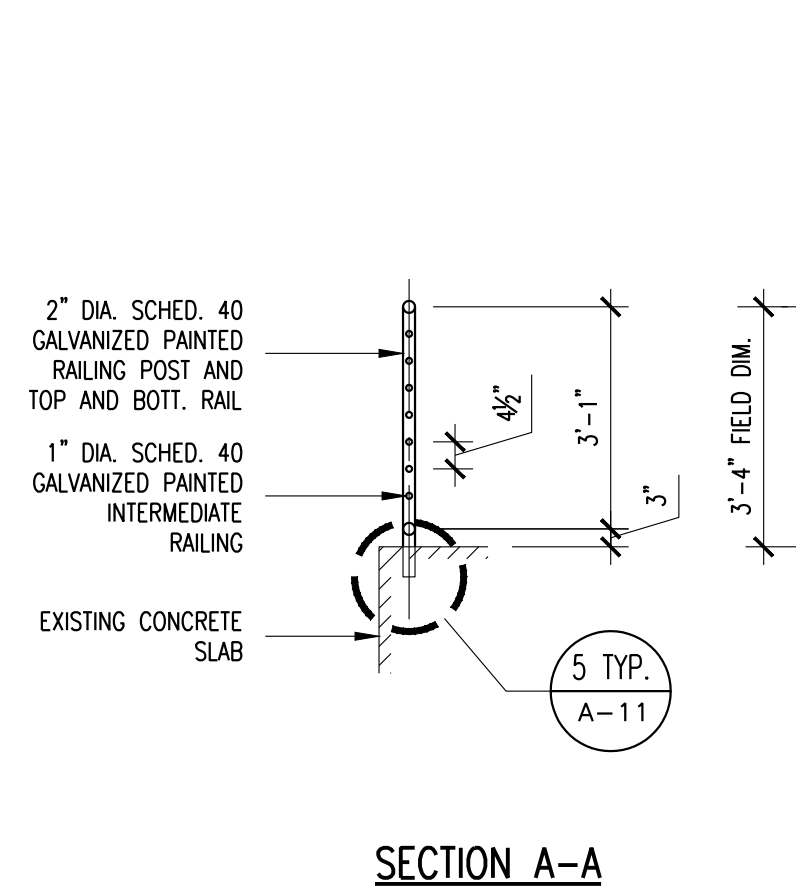


NOTE: COORDINATE DIMENSION OF WALL CORNER FILLER WITH NEW SYST. FURN. DIMENSIONS

7 WALL CORNER FILLER @ ATRIUM # 1
A-11 3/4"=1'-0"

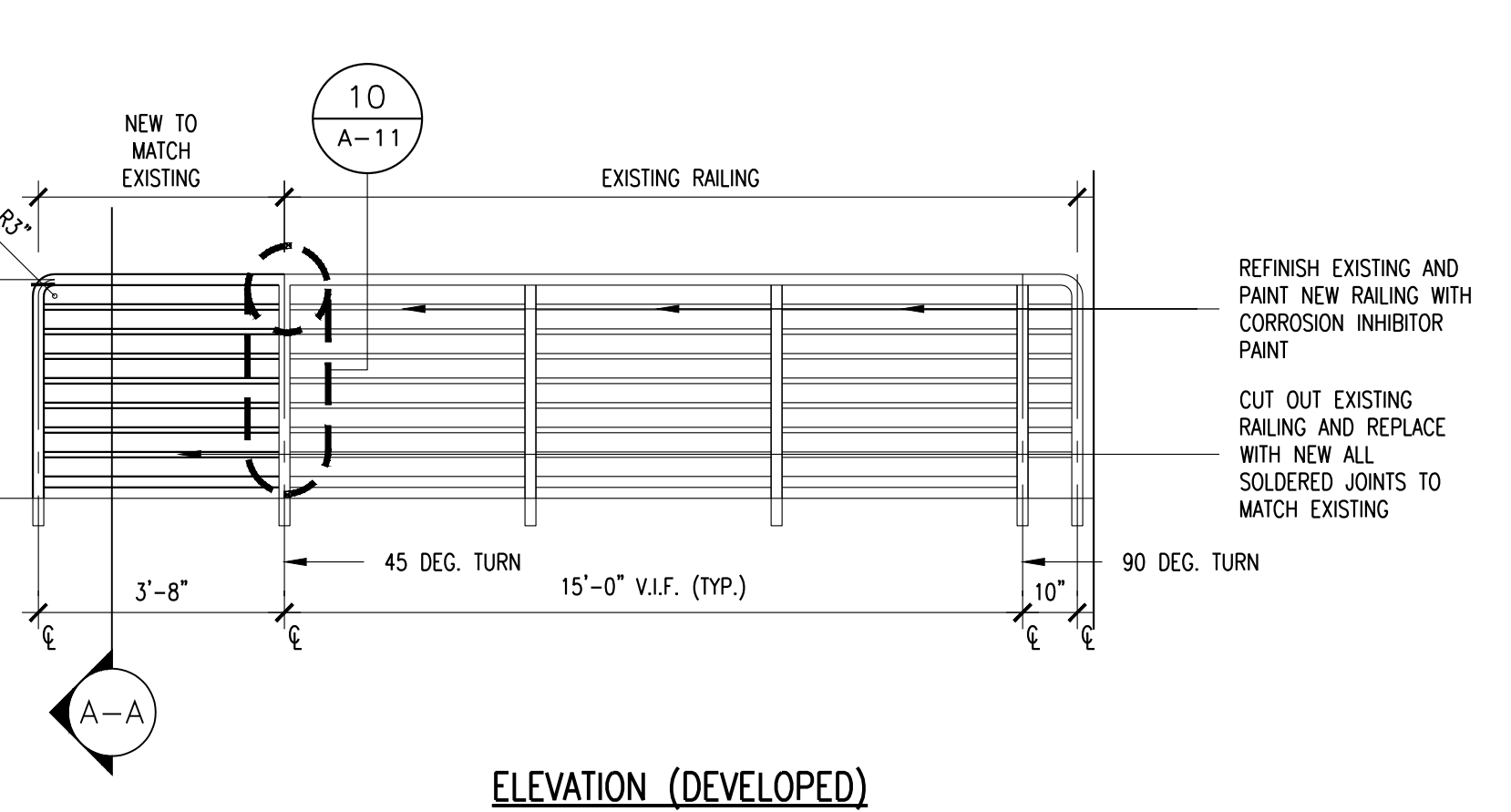


8 CONCRETE SLAB REBUILD DETAIL
A-11 1/2"=1'-0"

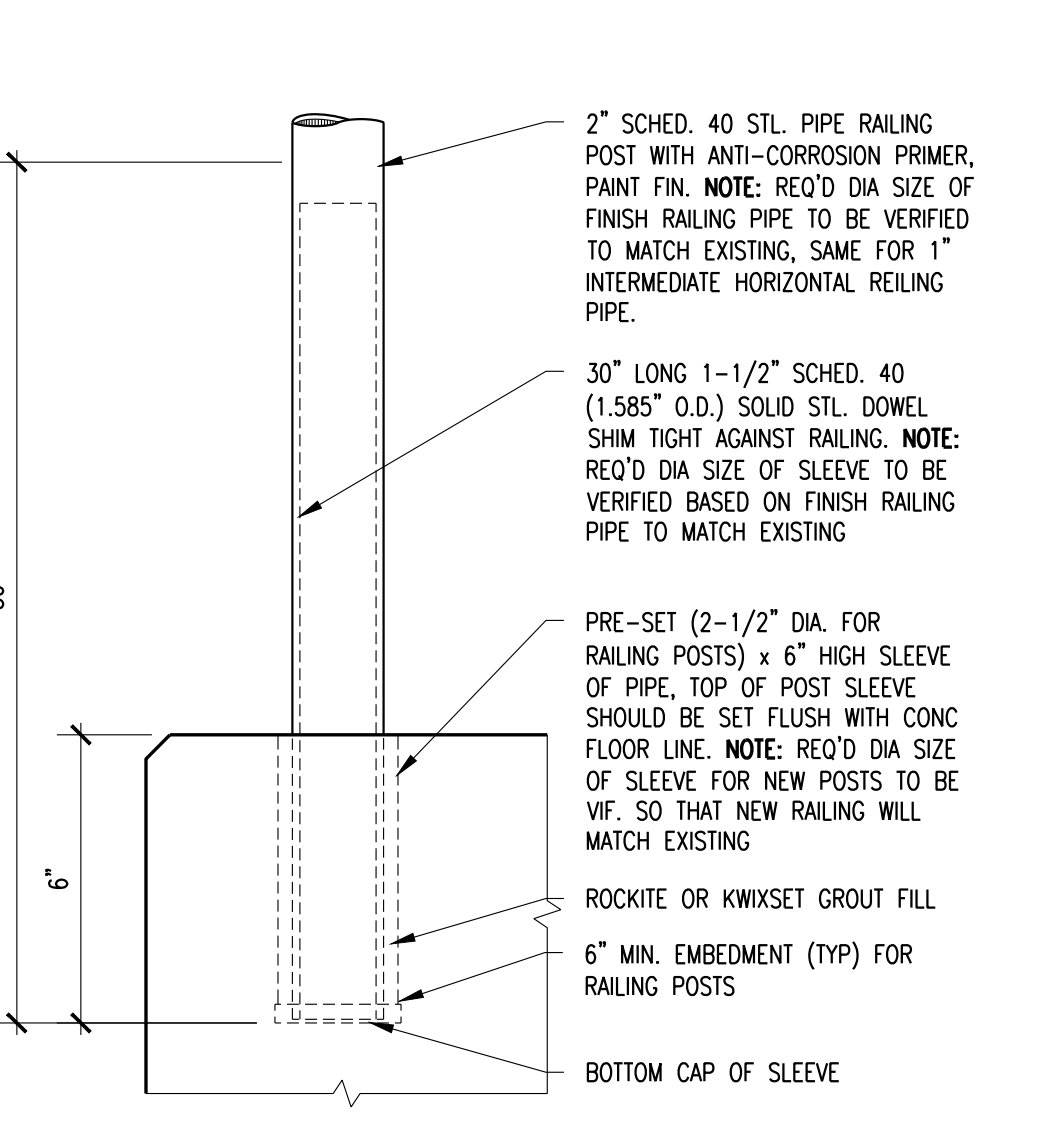


NOTES:
1. CONTRACTOR SHALL SURVEY EXISTING CONDITIONS
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING MATERIALS BILL, JOINERY DETAILS, INTERSECTION WITH EXISTING WORK
3. REMOVE RUST FROM, SAND EXISTING RAILING
4. CUT AND DISPOSE OF (ONE) SECTION OF RAILING AS INDICATED ON

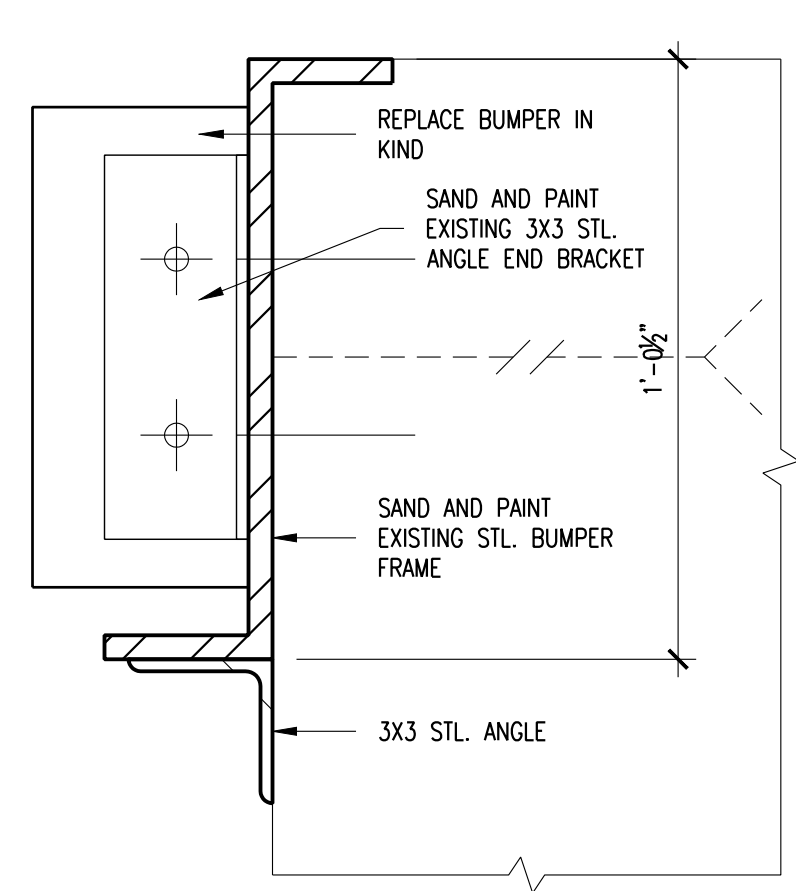
4 HANDRAILING @ LOADING DOCK
A-11 3/8"=1'-0"



ELEVATION (DEVELOPED)

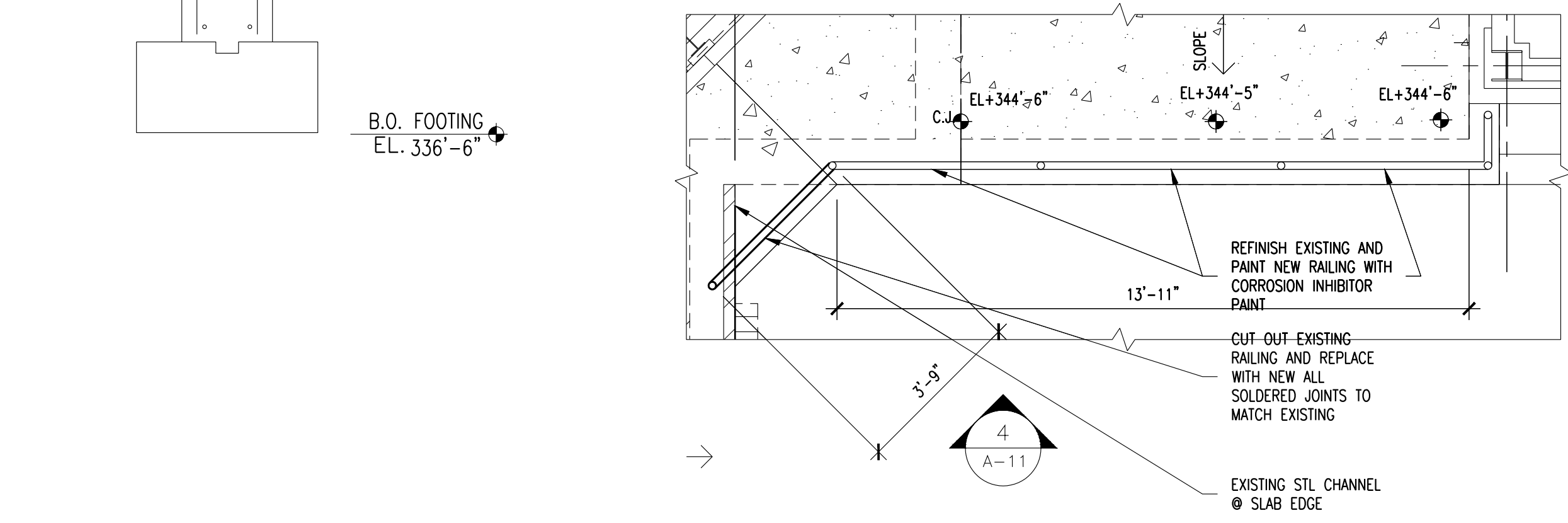


5 TYPICAL RAILING & FENCE POST DETAIL
A-11 SCALE: 3/8"=1'-0"

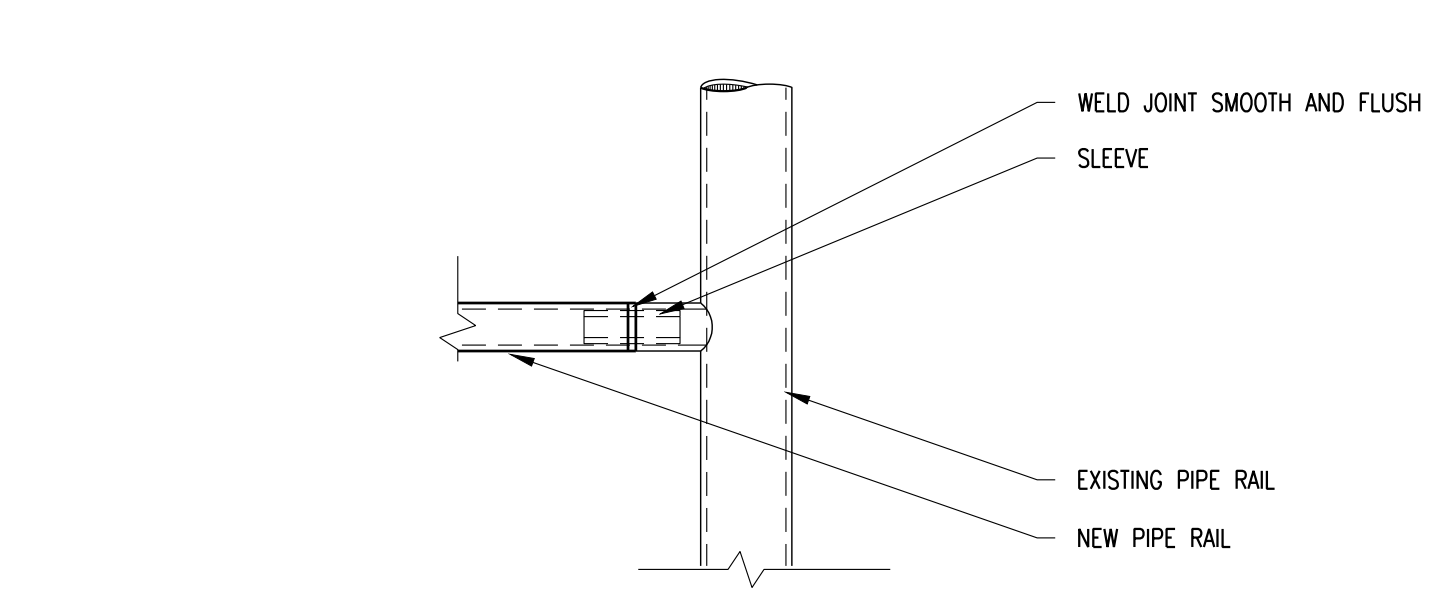


NOTE: BUMPER FRAME IS 10'-0" LONG. REMOVE RUST, SAND AND PAINT BUMPER FRAME WITH RUST INHIBITOR PAINT FOR STEEL

11 SECTION DETAIL @ LOADING DOCK BUMPER
A-11



9 PLAN OF HANDRAILING @ LOADING DOCK
A-11 3/8"=1'-0"



10 NEW/EXISTING RAILING COUPLING DETAIL, TYP.
A-11 3/8"=1'-0"

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED				
☐ AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
WESTCHESTER COUNTY, NEW YORK		DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		
DIVISION OF ENGINEERING		CONTRACT NUMBER	SHEET NUMBER	
			A-11	
		SHEET NO. 13 OF 27		
		SCALE: AS NOTED		
		DATE: 10/28/21		
		DPW FILE NO.		REV. NO.
		38-54-A-770		0

DOOR #	ROOM NAME	OPENING TYPE	NEW OPENING	GLASS OPENING					FRAME				DOOR						VISION PANEL			DRAWING DETAILS			HARDWARE		
				W	H	GRID # BAYS	GRID # ROWS	HEIGHT AFF	NEW TYPE	NEW	MAT'L	WIDTH	DEPTH	PAINT FRAME	DOOR TYPE	REPLACE DOOR	DOOR MAT'L	PAINT DOOR	WIDTH	HEIGHT	W	H	GLASS TYPE	JAMB	HEAD	SILL	
A109	LOBBY 2 - PHASE 1	D	-	-	-	-	-	-		-	MTL	2"	4-1/2"	-	-	-	MTL/GL	-	30",30"	87"	-	-	-				-
B011	QUALITY ASSURANCE	DW	-	35"	40"	6	1	46"		-	MTL	2"	6"	Y	F	-	WD	-	36"	88"	-	-	-				-
B055	CORRIDOR	D	-	-	-	-	-	-		-	MTL	2"	7"	Y	-	-	-	-	44"	84"	-	-	-				-
B058	VESTIBULE (AUTOPSY)	D	-	-	-	6"	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	42"	84"	-	-	-				-
B075	CORRIDOR	D	-	-	-	-	-	-		-	MTL	2"	7"	Y	VP	Y	WD	-	44"	84"	19"	34"	WG				7
B096	RECEIVING/STORAGE - EXTERIOR DOOR	OHD	-	-	-	-	-	-	3	Y	MTL	-	-	-	B	Y	MTL	PF	94"	132"	-	-	-	J7,J8			
B096.1	STOCK ROOM	DD	-	-	-	-	-	-		-	MTL	2"	5-1/2"	Y	FF	Y	MTL	-	36"	88"	-	-	-				1
B096.2	RECEIVING/STORAGE	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	-	MTL	Y	42"	84"	-	-	-				
B096.3	RECEIVING/STORAGE	DT	-	-	-	-	-	-	2	Y	MTL	2"	4-3/4"	Y	F	Y	MTL	Y	36"	84"	-	-	-	J6,J7			
C101	CONFERENCE ROOM	DW	-	22-3/4"	35"	4	1	46"		-	MTL	2"	4"	Y	VP	-	WD	-	36"	84"	22-3/4"	35"	-				
C102	OFFICE	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C103	CLERICAL	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C106	ACCESSIONS	DSL	Y	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	WD	-	36"	84"	-	-	-				
C110	VESTIB - EXTERIOR DOOR SAMPLE RECEIVING	STORFR	-	-	-	-	-	-		-	MTL	2"	6"	-	-	-	MTL/GL	-	36"	94"	-	-	-	J1	H2		
C113	CLEAN ROOM	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C120	DEIONIZED WATER	DD	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C121	GAS CHROMATOGRAPHY	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C121	GAS CHROMATOGRAPHY	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C124	GLASS PREPARATION	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C125	SEMI VOLATILE PREPARATION	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C125.1	SEMI VOLATILE PREPARATION	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C127	SEMI VOLATILE SUPPORT	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C129	MASS SPEC. LAB	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C129.1	MASS SPEC. LAB	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C130	JANITOR CLOSET	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	32"	84"	-	-	-				
C143	GRL STOR	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C144	EQUIPMENT STORAGE	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C145	ARGON	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C146	AIR LOCK	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C149	CHEMICAL STORAGE	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C151	LIQUID CHROMATOGRAPHY	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C151.1	LIQUID CHROMOTOGRAPHY	DSL	-	12"	23",17",36"	-	-	-		-	MTL	2"	4"	Y	-	-	-	-	36"	84"	-	-	-				
C152	SENIOR ENVIRONMENTAL CHEMIST	DW	-	33"	35"	2	1	47"		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C153	VESTIBULE	STORFR	-	34"	84"	2	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C153A	TELEPHONE ROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
C157	EMRGENCY GENERATOR - EXTERIOR DOOR	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	Y	MTL	Y	42"	75"	-	-	-	J4	J4, SIM.	S2	6
D101	NUCLEAR DNA	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	84"	-	-	-				
D105	B10 VESTIBULE	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	42"	84"	-	-	-				
D108	FORENSIC GARAGE	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	F	-	WD	-	38"	84"	-	-	-				
D109	EXAM RM A	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	42"	84"	-	-	-				
D110	EXAM RM B	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	42"	84"	-	-	-				
D113	JANITOR	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	84"	-	-	-				
D119	CRIME VAULT	D	-	-	-	-	-	-		-	MTL	-	-	-	-	-	MTL	-	42",42"	79"	-	-	POLYCARB	SEE	DETAIL	NO.	1/A-15
D120	EXAM RM # 6	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	42"	84"	-	-	-				
D122	EXAM RM # 5	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	42"	84"	-	-	-				
D123	EVIDENCE RECEIVING	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	42"	84"	-	-	-				
D127	EVIDENCE TECHNICIAN D STORAGE	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	84"	-	-	-				
D128	ELEC & DATA CLOSET	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
D129	EXAM/PREP RM # 1	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	42"	84"	-	-	-				
D135	TRACE EXAM RM # 2	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	42"	84"	-	-	-				
D137	ODDIS	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
D140	WOMEN'S RESTROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
D152.1	CLERICAL AREA	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	84"	-	-	-				
G002	VIROLOGY DIAGNOSTIC IMMUNOLOGY	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	42"	84"	-	-	-				
G002.1	VIROLOGY DIAGNOSTIC IMMUNOLOGY	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-				
G014	LOUNGE (NORTH SIDE)	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				3
G014.1	LOUNGE (SOUTH SIDE)	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-				3
G015	CORRIDOR	D	-	-	-	-	-	-		-	MTL	2"	7"	Y	-	-	WD	-	44"	84"	-	-	-				
G015.1	CORRIDOR	D	-	-	-	-	-	-		-	MTL	2"	7"	Y	-	-	WD	-	44"	84"	-	-	-				
G016	CLASS RM/CONF	D	-	-	-	-	-	-		-	MTL	2"	6-3/4"	Y	-	-	WD	-	36"	84"	-	-	-				
G017	TISSUE STORAGE	D	-	-	-	-	-	-		-	MTL	2"	7-1/2"	Y	-	-	MTL	Y	36"	84"	-	-	-				
G018	LIBRARY - M.E.	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	WD	-	36"	84"	-	-	-				
G019	RECORD STORAGE	D	-	-	-	-	-	-		-	MTL	4",2"	6-1/2"	Y	F	-	WD	-	36"	84"	-	-	-				
G020	ATRIUM # 1 TO ATRIUM # 2	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	VP	Y	WD	-	44"	84"	19"	34"	WG				10
G022	PATHOLOGYST	D	-	-	-	-	-	-		-	MTL	4",2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
G023	PATHOLOGYST/ASSOC. MED. EXAMINER	D	-	-	-	-	-	-		-	MTL	4",2"	6"	Y	-	-	-	-	36"	83"	-	-	-				
G024	PATHOLOGYST/DEPUTY MED. EXAMINER	D	-	-	-	-	-	-		-	MTL	4",2"	6"	Y	-	-	-	-	36"	84"	-	-	-				
G026	TOXICOLOGY	D	-	-	-	-	-	-		-	MTL	4",2"	6"	Y	-	-	-	-	36"	83"	-	-	-				
G027	TOXICOLOGY	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	40"	83"	-	-	-				
G028	MEN'S REST ROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	34"	83"	-	-	-				
G029	WOMEN'S REST ROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	34"	83"	-	-	-				
G030	TOXICOLOGY	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	42"	84"	-	-	-				
G033	INSTRUMENTATION	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	42"	84"	-						

DOOR #	ROOM NAME	OPENING TYPE	NEW OPENING	GLASS OPENING					FRAME				PAINT FRAME	DOOR						VISION PANEL			DRAWING DETAILS			HARDWARE	
				W	H	GRID # BAYS	GRID # ROWS	HEIGHT AFF	NEW TYPE	NEW	MAT'L	WIDTH		DEPTH	DOOR TYPE	REPLACE DOOR	DOOR MAT'L	PAINT DOOR	WIDTH	HEIGHT	W	H	GLASS TYPE	JAMB	HEAD		SILL
G045	SEROLOGY	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	42"	83-1/4"	-	-	-				
G045.1	TRACE EVIDENCE LAB	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	83"	-	-	-				
G050	PHOTOGRAPHY	D	-	-	-	-	-	-		-	MTL	2"	9"	Y	-	-	-	-	42"	84"	-	-	-				
G052	HISTOLOGY STORAGE	D	-	-	-	-	-	-		-	MTL	2"	7-1/2"	Y	F	-	MTL	Y	36"	84"	-	-	-				
G053	HISTOLOGY LAB	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-				
G056	JANITOR	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-				
G057	REST ROOM	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	34"	84"	-	-	-				
G058	TOXICOLOGY LAB	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-				
G059	AUTOPSY	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-				
G059A	AUTOPSY/MORGUE	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	F	-	MTL	Y	42"	84"	-	-	-				
G064	VIEWING	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	F	-	MTL	-	42"	84"	-	-	-				
G065	WAITING RM	D	-	-	-	-	-	-		-	MTL	2"	6-3/4"	Y	-	-	MTL	-	36"	84"	-	-	-				
G072	X-RAY	D	-	-	-	-	-	-		-	MTL	2"	6-3/4"	Y	F	-	MTL	Y	42"	84"	-	-	-				
G059.1	DARK ROOM	D	-	-	-	-	-	-		-	MTL	2"	6-3/4"	Y	F	-	MTL	Y	42"	84"	-	-	-				
G074	MORGUE	D	-	-	-	-	-	-		-	MTL	2"	6-3/4"	Y	F	-	MTL	Y	42"	84"	-	-	-				
G074.1	MORGUE	D	-	-	-	-	-	-		-	MTL	2"	6-3/4"	Y	F	-	MTL	Y	42"	84"	-	-	-				
G076	DECOMPOSED AUTOPSY	D	-	-	-	-	-	-		-	MTL	2"	7"	Y	-	-	-	-	44"	84"	-	-	-				
G077	LONG TERM STORAGE	D	-	-	-	-	-	-		-	MTL	2"	8-3/4"	Y	-	-	-	-	36"	84"	-	-	-				
G087	BODY RECEIVING - EXTERIOR DOOR	D	-	-	-	-	-	-	1	Y	MTL	2"	7-7/8"	-	F	Y	MTL	-	42"	83"	-	-	-	J3	H3	S3	4
G087.1	BODY RECEIVING	D	-	-	-	-	-	-		-	MTL	2"	11-1/8"	Y	VP	Y	WD	-	42"	84"	19"	34"	WG				5
G087.2	BODY RECEIVING	D	-	-	-	-	-	-		-	MTL	2"	11-1/8"	Y	VP	-	MTL	Y	42"	84"	10"	10"	-				
G089	CLERK (BODY RECEIVING)	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G091	GAS CYLINDER STORAGE - EXTERIOR DOOR	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	Y	MTL	-	36"	82"	-	-	-	-	-	-	9
G095	CORRIDOR	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	-	MTL	Y	42"	84"	-	-	-	-	-	-	-
G101	CORRIDOR	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	44"	84"	-	-	-	-	-	-	-
G102	OFFICE/CONFERENCE	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G102	OFFICE/CONFERENCE	W	-	21"	20"	8	3	20"		-	MTL	2"	3-3/4"	Y	-	-	-	-	-	-	-	-	-	-	-	-	-
G103	SECRETARY	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G104	WOMEN'S RESTROOM	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	88"	-	-	-	-	-	-	-
G105	CORRIDOR	DD	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	44",44"	84"	-	-	-	-	-	-	-
G106	VESTIBULE - BLDG MAIN ENTRANCE	STORFR	-	-	-	-	-	-		-	MTL	2"	4-1/2"	-	-	-	MTL/GL	-	36",36"	84"	-	-	-	J2	-	-	-
G107	STORAGE ROOM	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G108	CONFERENCE ROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G108.1	CONFERENCE ROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G109	REST ROOM	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	34"	84"	-	-	-	-	-	-	-
G110	RESTROOM	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	83"	-	-	-	-	-	-	-
G112	DIRECTOR	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	87	-	-	-	-	-	-	-
G113	PHATOLOGYST, MEDICAL EXAMINER	DW	-	17-1/2	20"	5	2	40"		-	MTL	2"	6",3-3/4"	Y	-	-	-	-	36"	87	-	-	-	-	-	-	-
G113.1	PHATOLOGYST, MEDICAL EXAMINER	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	32"	84"	-	-	-	-	-	-	-
G114	OFFICE	D	Y	-	-	-	-	-	1	Y	MTL	2"	6"	Y	F	-	WD	-	36"	84"	-	-	-	-	-	-	8
G115	OFFICE	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G116	CLOSET	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G117	OFFICE	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
G118	OFFICE	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
L003	MICROBIOLOGY	STORFR	-	30"(X2)	-	2 SIDEL	1	88"		-	MTL	2"	6"	Y	VP	Y	WD	-	30"(2X)	88"	17-1/4"	35-1/4"	WG	-	-	-	2
L010	DARK RM	DW	-	33"	41"	2	1	-		-	MTL	2"	5-1/2"	Y	-	-	-	-	36"	88"	-	-	-	-	-	-	-
L017	ENVIRONMENTAL BACTERIOLOGY	STORFR	-	30"(X2)	-	2 SIDEL	-	88"		-	MTL	2"	6"	Y	VP	Y	WD	-	30"(2X)	88"	17-1/4"	35-1/4"	WG	-	-	-	2
L020	COMP. RM.	DW	-	42"	40"	5	1	46"		-	MTL	2"	6"	Y	-	-	-	-	-	-	-	-	-	-	-	-	-
L023	ENVIRONMENTAL CHEMESTRY	STORFR	-	30"(X2)		2 SIDEL	1	88"		-	MTL	2"	6"	Y	VP	Y	WD	-	30"(2X)	88"	17-1/4"	35-1/4"	WG	-	-	-	2
L034	MEDIA	STORFR	-	17-1/4"(X2)		2 SIDEL	1	88"		-	MTL	2"	6"	Y	VP	Y	WD	-	30"(2X)	88"	17-1/4"	35-1/4"	WG	-	-	-	2
L037	GLASSWARE STERILIZATION	STORFR	-	17-1/4"(X2)		2 SIDEL	1	88"		-	MTL	2"	6"	Y	VP	Y	WD	-	30"(2X)	88"	17-1/4"	35-1/4"	WG	-	-	-	2
L038	INORGANIC LAB	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	88"	-	-	-	-	-	-	-
S003	WOMEN'S RESTROOM	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	-	-	-	-	36"	88"	-	-	-	-	-	-	-
S005	STAIR	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	F	-	MTL	Y	36"	88"	-	-	-	-	-	-	-
S008	MEN'S RESTROOM	D	-	-	-	-	-	-		-	MTL	2"	5-3/4"	Y	F	-	MTL	Y	36"	88"	-	-	-	-	-	-	-
S013	WOMEN'S	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	-	MTL	Y	36"	88"	-	-	-	-	-	-	-
S015	STAIR B	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	-	MTL	Y	36"	88"	-	-	-	-	-	-	-
S018	MALE TOILET	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	F	-	MTL	Y	36"	88"	-	-	-	-	-	-	-
S022	METER ROOM/SPRINKLER VALVES	D	-	-	-	-	-	-		-	MTL	2"	6"	Y	-	-	-	-	36"	84"	-	-	-	-	-	-	-
S026	MALE TOILET	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	34"	84"	-	-	-	-	-	-	-
S027	SERVICE AREA	D	-	-	-	-	-	-		-	MTL	2"	6-1/2"	Y	-	-	-	-	42"	84"	-	-	-	-	-	-	-

1

DOOR SCHEDULE # 2

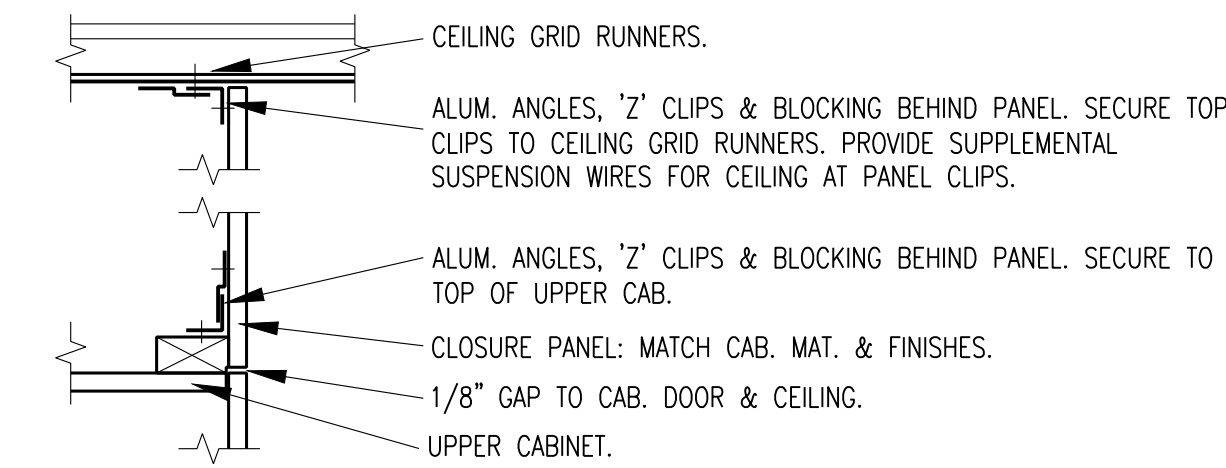
A-14

N.T.S.

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT – CHANGES AS NOTED ☐ AS BUILT – NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME	SIGNATURE		NAME	SIGNATURE
TITLE	DATE		TITLE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING			CONTRACT NUMBER 19-531	SHEET NUMBER A-14
			SHEET NO. 16 OF 27	
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK DOOR HARDWARE SCHEDULE (2)			SCALE: N.T.S. DATE: 10/28/21 DPW FILE NO.	REV. NO.: 38-54-A-773 0

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION					
RECORD DRAWING CERTIFICATION									
☐ AS BUILT – CHANGES AS NOTED ☐ AS BUILT – NO CHANGES									
CONTRACTOR					PROJECT COORDINATOR				
NAME _____					NAME _____				
SIGNATURE _____					SIGNATURE _____				
TITLE _____ DATE _____					TITLE _____ DATE _____				
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING					CONTRACT NUMBER 19-531		SHEET NUMBER A-15		
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK DOOR ELEVATIONS AND DETAILS					SHEET NO. 17 OF 27				
					SCALE: AS NOTED DATE: 10/28/21				
					DPW FILE NO. 38-54-A-774				
					REV. NO.				



5 CLOSURE PANEL FASTENER DETAIL
A-16 1/2"=1'-0"

PANTRY CABINET NOTES:

- ALL EXPOSED FACES OF CABINETS, CABINET DOORS, CABINET INTERIORS AND SHELVES SHALL BE FINISHED IN HIGH PRESSURE .048" (1.2 MM.) THK. PLASTIC LAMINATE, COLOR TO BE SELECTED FROM SAMPLES OF MANUFACTURER FULL RANGE OF COLORS TO BE SUBMITTED BY CONTRACTOR
- CONCEALED FULL OVER-LAY EURO STYLE HINGES
- MAGNETIC CATCH AT ALL CABINET DOORS
- 3 DOOR BUMPER (SOUND DEADENER) AT ALL DOORS
- DOOR PULL: ENGINEERED PRODUCT COMPANY (EPCO), 304 STAINLESS STEEL/BRUSHED WIRE PULL, 4-5/16" LONG, 5/16" (8MM) DIA., PROJECTION: 1-5/16" (33MM)
- CONTRACTOR SHALL SUBMIT ALL CABINET HARDWARE FOR ARCHITECT APPROVAL
- CONTRACTOR SHALL SUBMIT PANTRY SHOP DRAWINGS INCLUDING COUNTERTOP

EQUIPMENT SCHEDULE:

1. REFRIGERATOR: (1 UNIT) ICE MAKER STAINLESS STEEL

MFR: FRIGIDAIRE
MODEL #FFS2625TS
TYPE: FRENCH DOOR SIDE BY SIDE
CONDENSER TYPE: DYNAMIC
MATERIAL STAINLESS STEEL
CAPACITY 16.5 CU. FT.
SIZE 36" W. X 70" H. X 32" D.
DEPTH WITH DOOR 90" OPEN
120 V. 60 HZ 15 AMPS
UTILITIES: ANNUAL ENERGY: 709 KWH
WATER CONNECTION FOR ICE MAKER.

2. REFRIGERATOR: (3 UNITS) STAINLESS STEEL

MFR: FRIGIDAIRE
MODEL # FTH2033VS
TYPE: TOP FREEZER REFRIGERATOR
CONDENSER TYPE: DYNAMIC
MATERIAL STAINLESS STEEL
CAPACITY 20.4 CU. FT.
FRESH FOOD CAPACITY: 15.3 CU. FT.
SIZE 29-5/8" W. X 69" H. X 34-1/8" D.
UTILITIES: 120 V. 60 HZ, 15 AMPS

3. OVEN / RANGE:

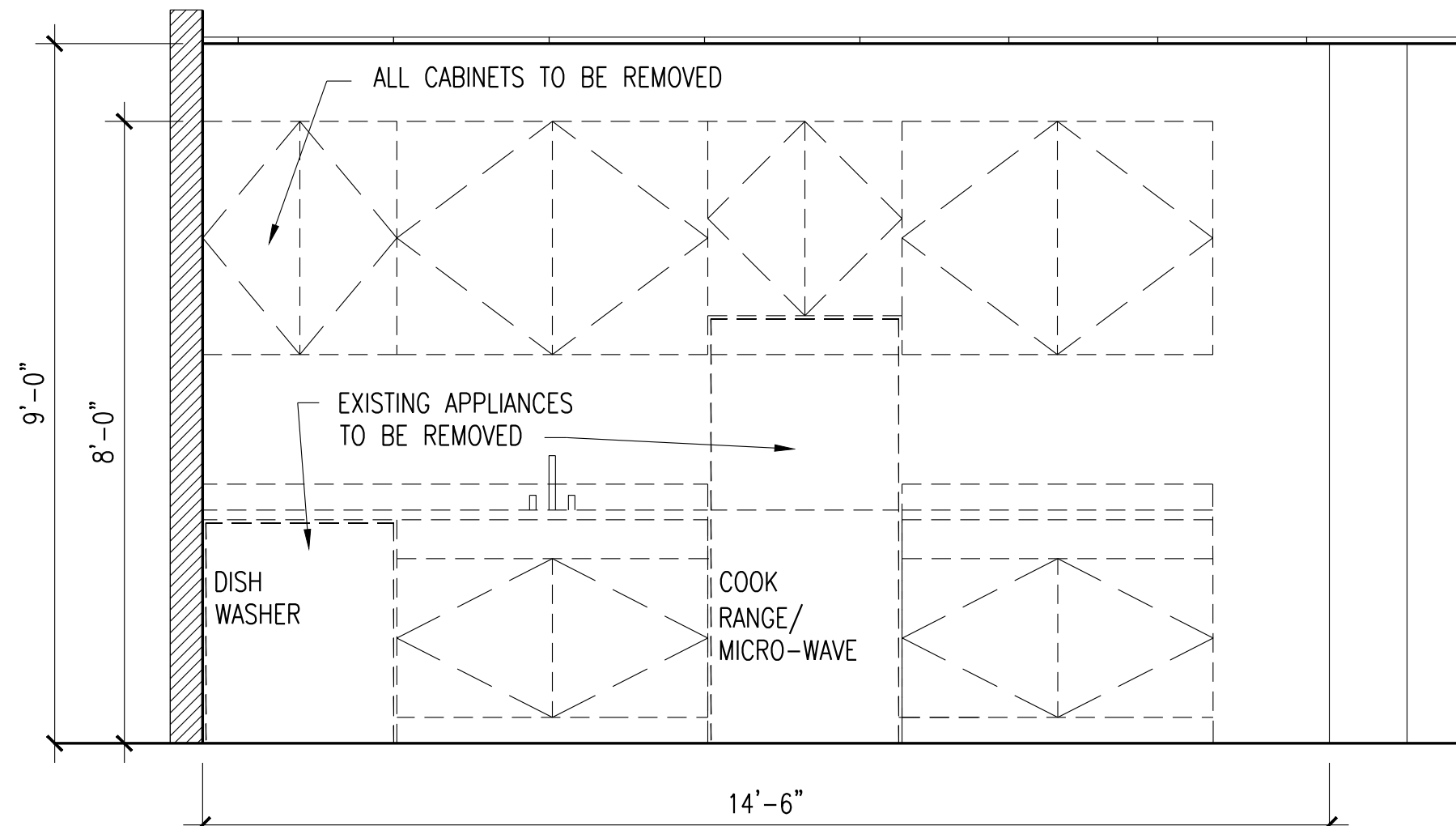
MFR: GE
MODEL # JB645RKSS
TYPE: FREE-STANDING 4 BURNER RANGE WITH OVEN.
MATERIAL STAINLESS STEEL
MODEL: # JB645RKSS
SIZE: 5.3 CU. FT.
29 1/2" W. X 47 1/2" H. X 28" D.
UTILITIES: 208, 240 V., 40 AMP.
KW RATING AT 208 V = 9.1
KW RATING AT 240 V = 12.1

4. DUCTED RANGE HOOD: SEE MECHANICAL

MFR: CUISINART
TYPE: TABLE TOP MICROWAVE OVEN AND CONVECTION GRILL WITH STAINLESS STEEL EXTERIOR AND INTERIOR
MODEL CMW-200
SIZE 20.4" x 18.9" X 12.4"
CAPACITY 1.2 CU. FT.
UTILITIES 1,000 WATTS

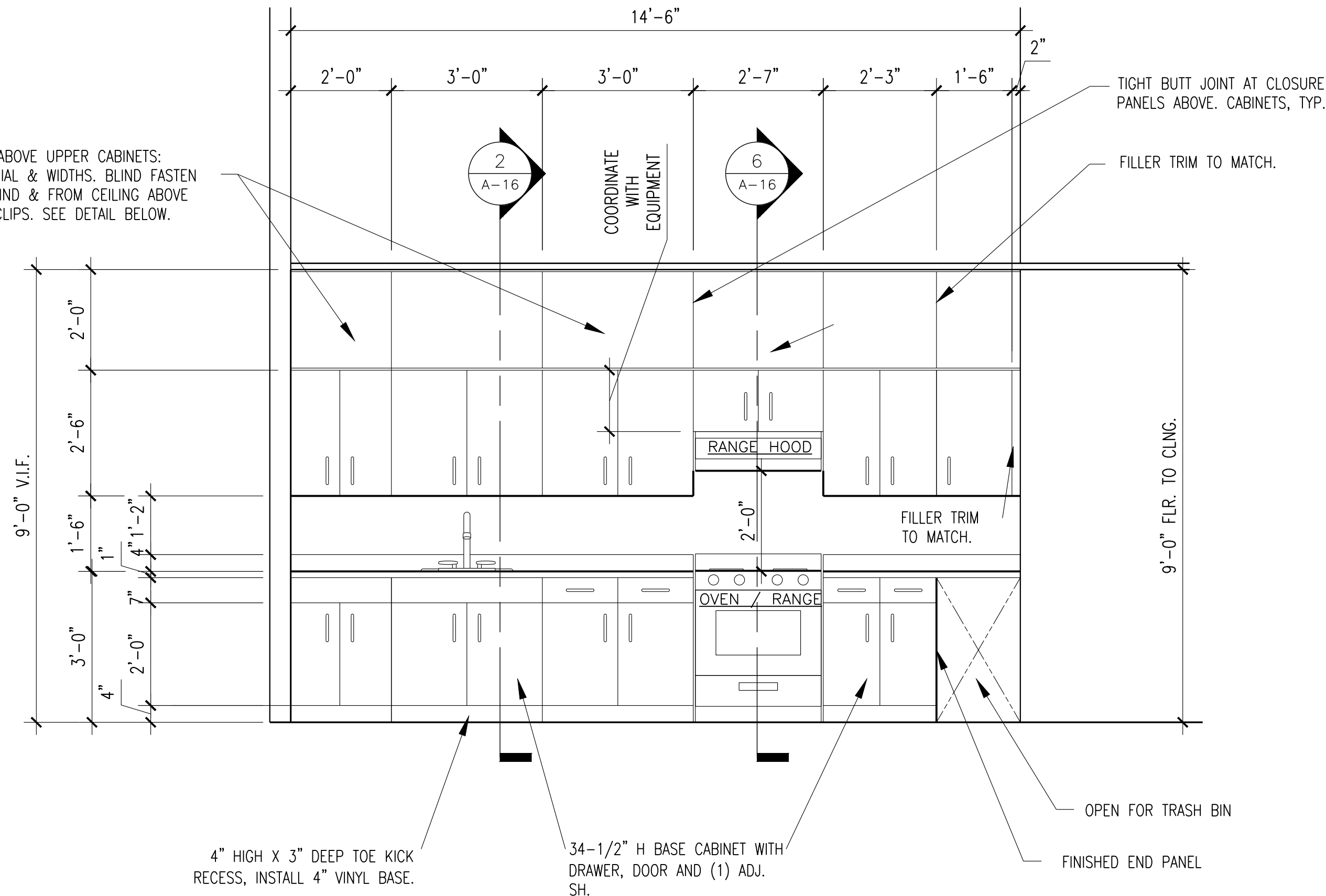
6. COFFEE MAKER:

MFR: KEURIG
TYPE: COUNTERTOP COMMERCIAL COFFEE MAKER
MODEL: K-3500
SIZE: 17.4" H X 18.0" D X 12.0" W
UTILITIES: 120 VAC, 60 HZ
1,400 WATTS



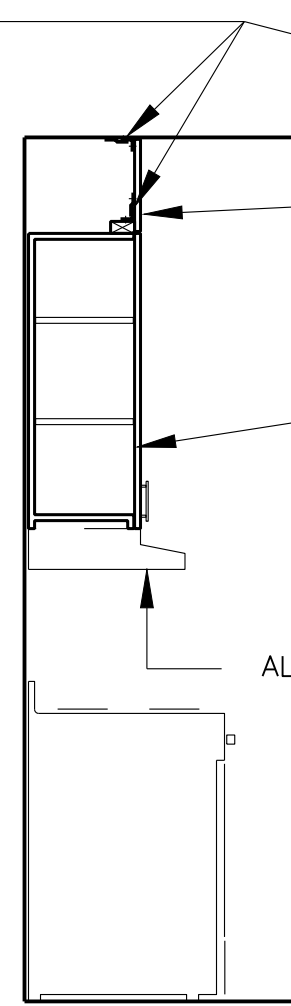
1 DEMOLITION ELEVATION
A-16 1/2"=1'-0"

CLOSURE PANELS ABOVE UPPER CABINETS: MATCH CAB. MATERIAL & WIDTHS. BLIND FASTEN PANELS FROM BEHIND & FROM CEILING ABOVE WITH CONCEALED CLIPS. SEE DETAIL BELOW.



3 PANTRY RENOVATION ELEVATION
A-16 1/2"=1'-0"

CLOSURE SHALL BE 'BLIND' FASTENED WITH NO VISIBLE FASTENERS FROM PANEL FACE. INSTALL ALUM. ANGLES, 'Z' CLIPS & RELATED BLOCKING BEHIND PANEL TO PROVIDE 'BLIND CLIP' ATTACHMENT. SECURE TOP CLIPS TO CEILING GRID RUNNERS. PROVIDE SUPPLEMENTAL SUSPENSION WIRES FOR CEILING AT PANEL CLIPS. SEE DETAIL BELOW.



6 PANTRY SECTIONS
A-16 1/2"=1'-0"

CLOSURE PANELS SHALL HAVE 1/8" GAP TO TOP OF CAB. DOOR & CEILING ABOVE.

CLOSURE PANELS ABOVE UPPER CABINETS: MATCH ACCOMPANYING CABINET MATERIAL & WIDTH.

14" D WALL HUNG CABINET. COORD. WITH HT. OF HOOD.

30" H X 14" D WALL HUNG CABINET

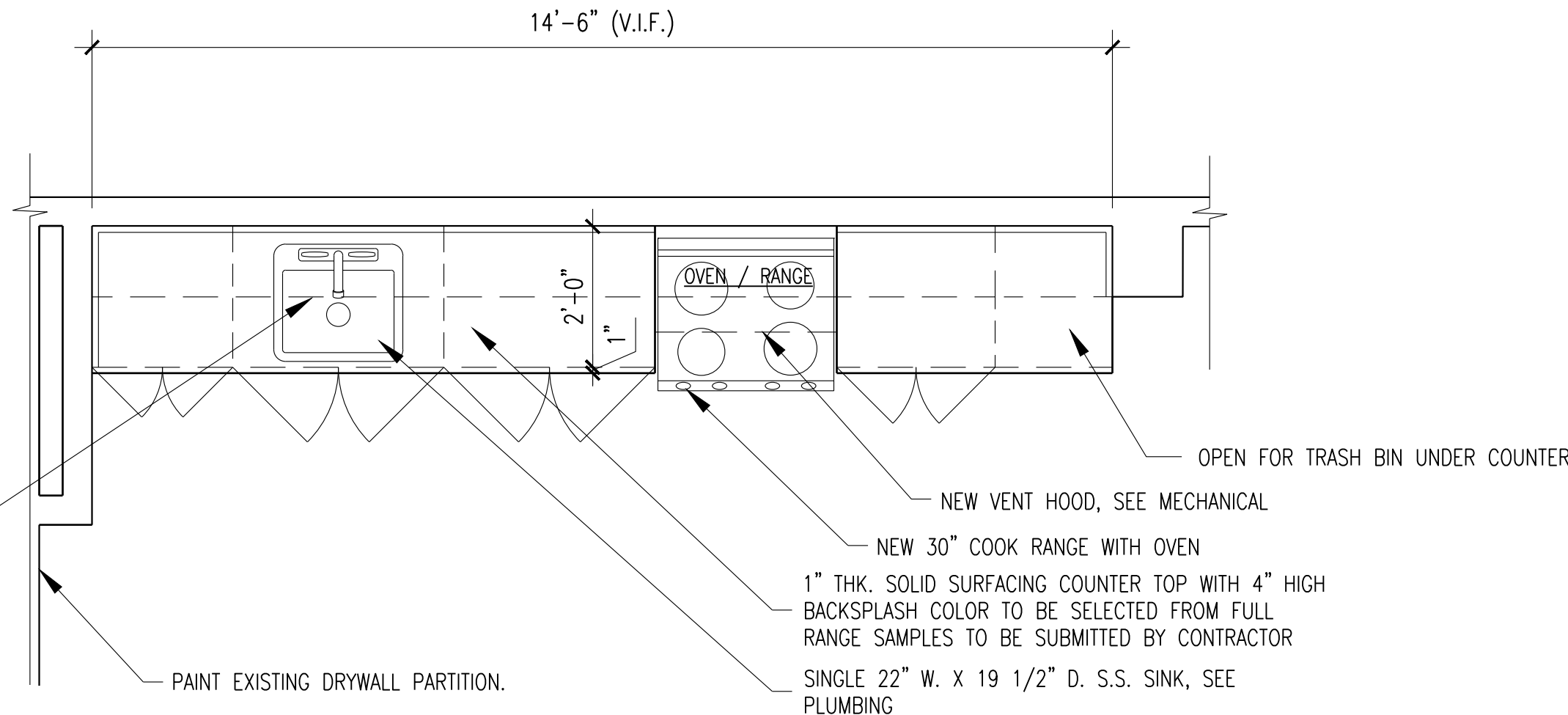
PAINT EXISTING DRYWALL PARTITION.

1" SOLID SURFACING COUNTER TOP WITH 4" HIGH BACKSPLASH 3 SIDES.

35" H BASE CABINET WITH DRAWER, DOOR AND (1) ADJ. SH.

4" HIGH X 3" DEEP TOE KICK RECESS, INSTALL 4" VINYL BASE.

2 PANTRY SECTIONS
A-16 1/2"=1'-0"



NOTE: SUBMIT SHOP DRAWINGS FOR ARCHITECT'S APPROVAL

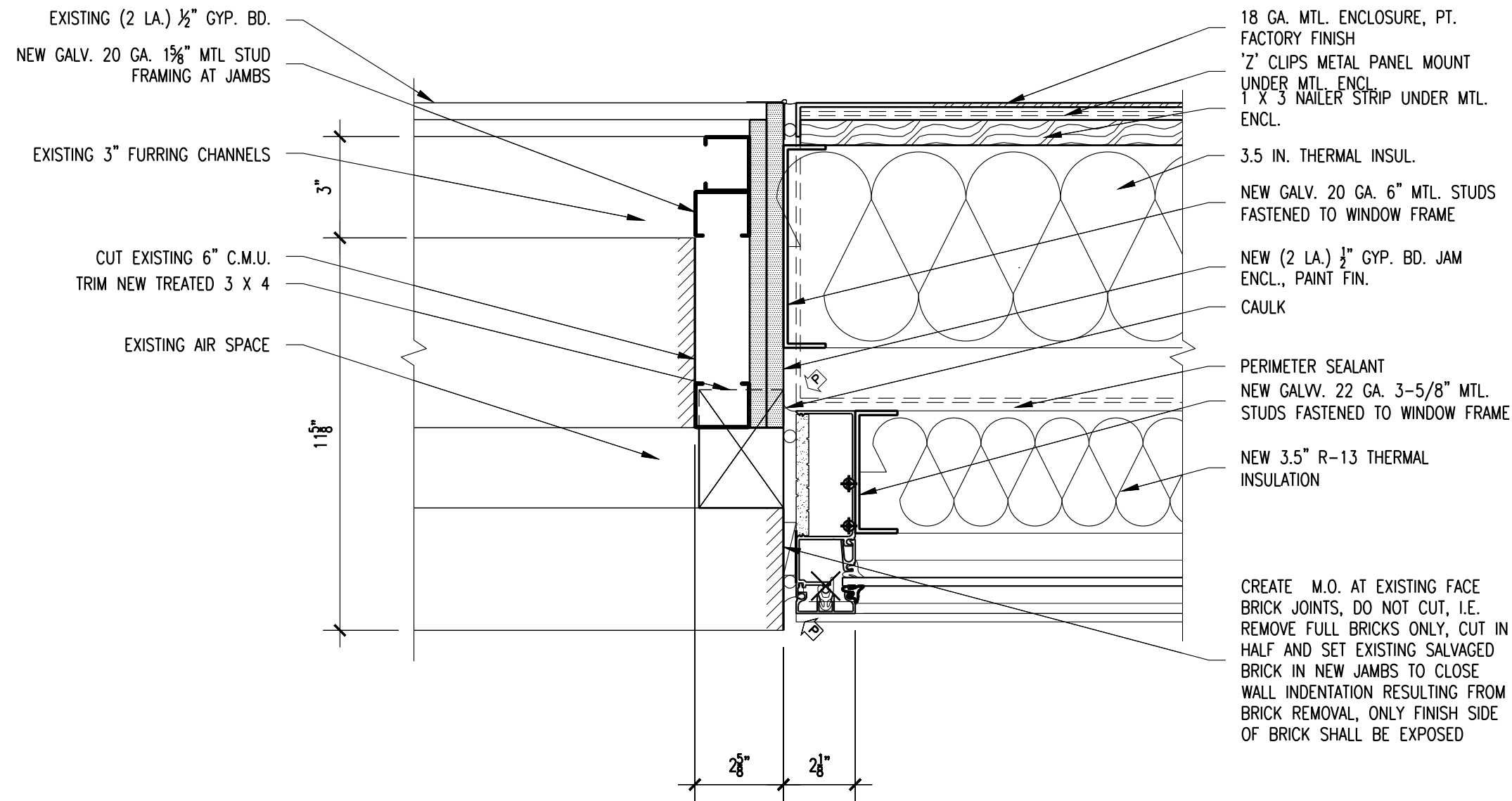
4 PANTRY PLAN
A-16 1/2"=1'-0"

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME	SIGNATURE		NAME	SIGNATURE
TITLE	DATE		TITLE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING			CONTRACT NUMBER 19-531	SHEET NUMBER A-16
			SHEET NO. 18 OF 27	
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK STAFF LOUNGE CABINETRY DETAILS AND APPLIANCE SCHEDULE			SCALE: AS NOTED DATE: 10/28/21 DPW FILE NO.	REV. NO.: 0

ROO #		FLOOR		WALL		WALL FINISH	METAL DOOR	METAL FRAME	CEILING	FINISH	CLNG.HT	NOTES
		SUBSTR	MATERIAL	SUBSTRATE	BASE							
A-109	LOBBY 2 (PHASE 1)	CONC.	VCT-2	GB	VB-2	P-1	P-6	-	GB	P-1	8'-4"	
A-110	VESTIBULE 2 (PHASE 1)	CONC.	MAT-1	GB	VB-1	P-1	P-6	-	GB	P-1	7'-6"	
A-114	LOOKER A (PHASE 1)	-	-	GB	VB-2	P-1	P-6	-	GB	P-1	8'-4"	
A-134	VESTIBULE 3 (PHASE 3)	-	-	GB	VB-1	P-2	P-5	ST-1	-	-	8'-6"	
A-136	LOBBY 3 (PHASE 1)	-	VCT-2	GB	VB-2	P-1	-	-	ACT-1	PF	8'-2"	
A-139	LOCKER B (PHASE 1)	-	VCT-2	GB	VB-2	P-1	P-6	-	GB	P-1	8'-4"	
B-055	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
B-075	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	8'-6"	
B-096	RECEIVING/STORAGE (PHASE 1)	CONC.	SEALER	GB	VB-1	P-1	P-4	-	-	-	-	DOOR TO CORRIDOR
		-	-	-	-	-	P-6	-	-	-	-	OFFICE B-096A, DOUBLE DOORS
		-	-	-	-	-	P-7	-	-	-	-	EXTERIOR DOOR
B-096A	OFFICE	CONC.	-	GB	VB-1	P-6	P-6	-	ACT-1	PF	8'-0"	
B-098	CORRIDOR (PHASE 1)	CONC.	VCT-2	GB	VB-2	P-1	P-8	ST-1	SKY	PF	VARIES	
B-099	CORRIDOR (PHASE 1)	CONC.	VCT-2	GB	VB-2	P-1	P-8	ST-1	ACT-1	PF	8'-8"	LAB DOORS PAINT
C-104	CORRIDOR (PHASE 3)	-	-	GB	VB-1	P-2	P-5	ST-1	-	-	9'-0"	
C-117	CORRIDOR (PHASE 3)	-	-	GB	VB-1	P-2	P-5	ST-1	-	-	9'-0"	
C-126	CORRIDOR (PHASE 3)	-	-	GB	VB-1	P-2	P-5	ST-1	GB	PT	9'-0"	
C-142	CORRIDOR (PHASE 3)	-	-	GB	VB-1	P-2	P-5	ST-1	GB	PT	9'-0"	
D-103	CORRIDOR B (PHASE 4)	-	-	GB	VB-1	P-1	P-4	-	-	-	9'-6"	
D-107	CORRIDOR A (PHASE 4)	-	-	GB	VB-1	P-1	P-4	ST-1	-	-	9'-6"	
D-125	CORRIDOR C (PHASE 4)	-	-	GB	VB-1	P-1	P-4	-	-	-	9'-6"	
D-136	CORRIDOR D (PHASE 4)	-	-	GB	VB-1	P-1	P-4	-	-	-	9'-6"	
D-152	OFFICES (PHASE 4)	-	-	GB	VB-1	P-3	P-4	-	-	-	9'-6"	
G-001	ATRIUM 1 (PHASE 1)	CONC.	LVT	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	10'-10-1/2"	
G-014	STAFF LOUNGE (PHASE 2)	CONC.	VCT-1	GB	VB-1	P-1/P-6	P-1/P-6	ST-1	ACT-2	PF	9'-0"	NEW CEILING GRID
G-015	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-020	CORRIDOR (PHASE 2)	CONC.	LVT	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	7'-4"/9'-0"	*SLOPE CEILING
G-025	ATRIUM # 2 (PHASE 2)	CONC.	LVT	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	7'-4"/9'-0"	*SLOPE PERIMETER CEILING
G-046	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-054	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-064	VIEWING	-	VCT-2	GB	VB-1	P-1	P-4	-	ACT-1	PF	9'-0"	
G-066	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-074	MORGUE (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	-	-	9'-0"	
G-095	CORRIDOR (PHASE 2)	-	-	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-101	PASSAGE (PHASE 1)	CONC.	LVT	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-103	SECRETARY (PHASE 1)	CONC.	LVT	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-5"	
G-105	CORRIDOR (PHASE 1)	CONC.	LVT	GB	VB-1	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-106	VESTIBULE (MAIN ENTRANCE)	CONC.	LVT-1	GB	VB-1	P-1	P-4	ST-1	GB	P-1	11'-2"/7'-4"	*SLOPE CEILING
G-106	(PHASE 1)	CONC.	MAT-1	-	-	-	-	ST-1	-	-	-	
G-107	STORAGE RM.	-	-	-	-	-	P-4	ST-1	-	-	-	
G-108	CONF.RM. (PHASE 1)	-	-	GB	VB-3	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-111	SECRETARY (PHASE 1)	-	-	GB	VB-3	P-1	P-4	ST-1	ACT-1	PF	9'-0"	
G-114	OFFICE (PHASE 1)	-	-	GB	VB-3	P-1	P-4	ST-1	-	-	-	
G-115	OFFICE (PHASE 1)	-	-	GB	VB-3	P-1	P-4	ST-1	-	-	-	
S-03	FEMALE TOILET (PHASE 1)	-	-	-	-	P-1	P-6	-	-	-	-	
S-05	STAIR A (PHASE 1)	-	-	-	-	P-1	P-6	-	-	-	-	
S-08	MALE TOILET (PHASE 1)	-	-	-	-	P-1	P-6	-	-	-	-	
S-13	FEMALE TOILET (PHASE 1)	-	-	-	-	P-1	P-6	-	-	-	-	
S-15	STAIR B (PHASE 1)	-	-	-	-	P-1	P-6	-	-	-	-	
S-18	MALE TOILET (PHASE 1)	-	-	-	-	P-1	P-6	-	-	-	-	

1 FINISH SCHEDULE
A-17 N.T.S.



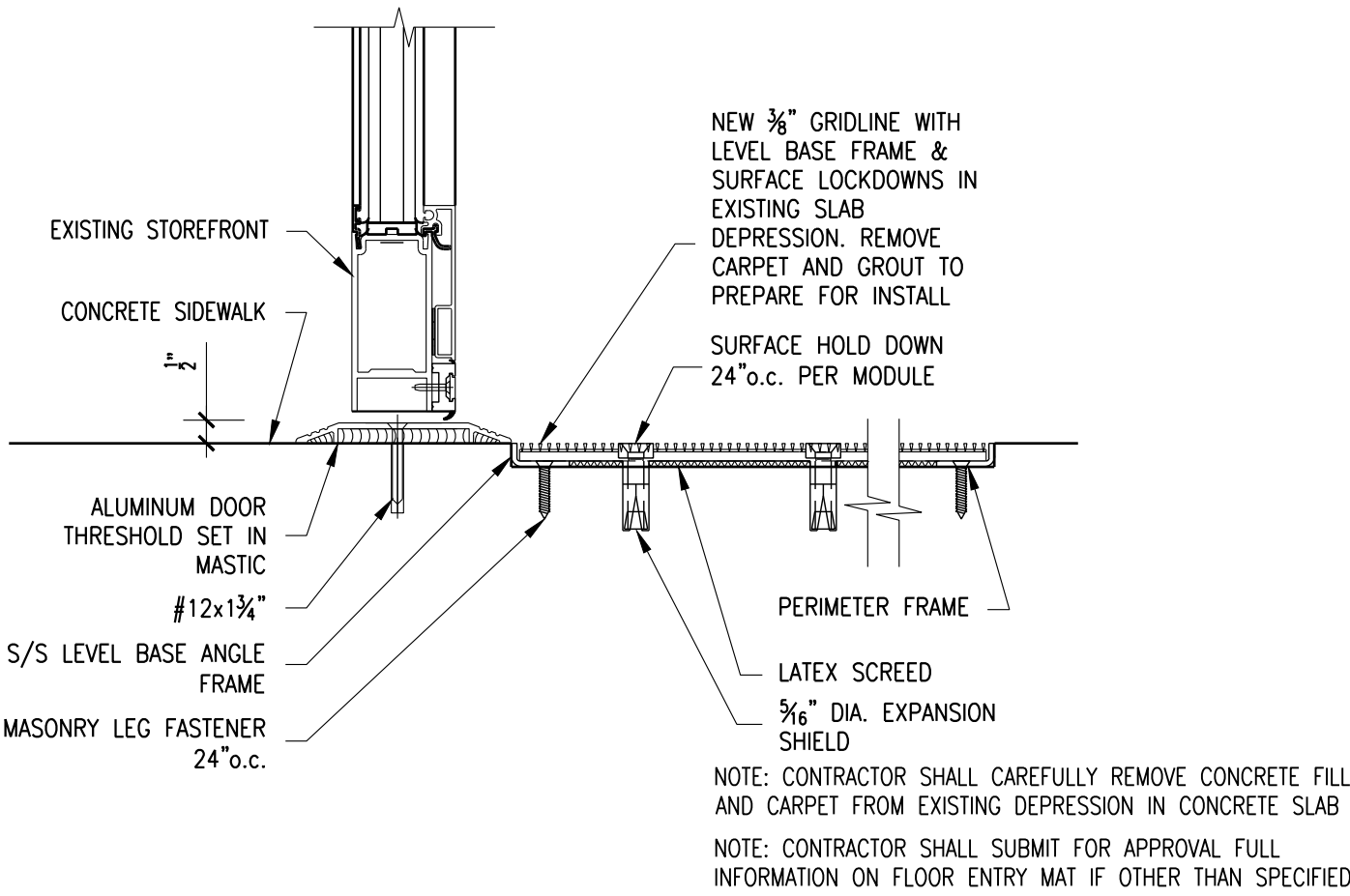
4 JAMB DETAIL @ SPANDREL GLASS
A-17 3"=1'-0"

IN CHARGE OF ADAM KAPLINSKI, R.A.
CHECKED BY ADAM KAPLINSKI, R.A.
MADE BY ALEXIS GARCIA

CATEGORY	MATERIAL	CODE	MANUFACTURER	PRODUCT	SIZE	COLOR	LOCATION
FLOORING	ENTRY MAT						
		MAT-1	CONSTRUCTION SPECIALTIES	PEDIMAT AA		T.B.D.	MAIN ENTRANCE LOBBY, VESTIBULE 2 (RM # A-110)
	LUXURY VINYL TILE						
		LVT-1	TARKETT	EVENT	18" X 18"	QUARTZITE EQZ ROSA 7233	ATRIUMS FIELD
		LVT-2	TARKETT	EVENT	18" X 18"	QUARTZITE EQZ MORROCAN 7232	ATRIUM # 1 BORDER AROUND CARPET
	VINYL COMPOSITION TILE						
		VCT-1	ARMSTRONG	STANDARD EXCELON	12" X 12"	52520 FAIRE WHITE	STAFF LOUNGE
		VCT-2	ARMSTRONG	STANDARD EXCELON	12" X 12"	51888 SMOKEY BROWN	CORRIDOR PHASE 1
		VCT-3	ARMSTRONG	STANDARD EXCELON	12" X 12"	51888 SANDRIFT WHITE	PHASE 3 CORRIDOR
		VCT-4	ARMSTRONG	STANDARD EXCELON	12" X 12"	51899 COOL WHITE	PHASE 3 CORRIDOR
CARPET TILE		VCT-5	ARMSTRONG	STANDARD EXCELON	12" X 12"	51812 LEMON YELLOW	PHASE 3 CORRIDOR
		VCT-6	ARMSTRONG	STANDARD EXCELON	12" X 12"	51882 SERENE BLUE	PHASE 3 CORRIDOR
		VCT-7	ARMSTRONG	STANDARD EXCELON	12" X 12"	52517 JESTER RED	PHASE 3 CORRIDOR
		VCT-7	ARMSTRONG	STANDARD EXCELON	12" X 12"	51824 SEA GREEN	PHASE 3 CORRIDOR
		CPT-1	TARKETT	PARADIGM MODULAR	24" X 24"	THOROUGHBREED 13512	ATRIUM #1
	RUBBER TRANSITION STRIPS						
		R-T-1	ROPPE	RUBBER ACCESSORIES	STRIP	TBD	STAFF LOUNGE
		R-T-2	ROPPE	RUBBER ACCESSORIES	STRIP	TBD	CORRIDOR PHASE 1
		R-T-3	ROPPE	RUBBER ACCESSORIES	STRIP	TBD	ATRIUMS
VINYL BASE							
		VB-1	JOHNSONITE	TRADITIONAL WALL BASE	4"	09 CLAY	TYPICAL
		VB-2	JOHNSONITE	TRADITIONAL WALL BASE	4"	44 DARK BROWN	CORRIDOR PHASE 1
		VB-3	JOHNSONITE	TRADITIONAL WALL BASE	4"	167 FUDGE	ADMIN
		P-1	BENJAMIN MOORE	SEE PAINT SPECIFICATION		904 WHITE BLUSH	WALLS, PHASE 1 AND PHASE 2
		P-2	BENJAMIN MOORE	SEE PAINT SPECIFICATION		484 GREEN FRAPPE	WALLS, PHASE 3
		P-3	BENJAMIN MOORE	SEE PAINT SPECIFICATION		913 WINDSOR CREAM	WALLS, PHASE 4
		P-4	BENJAMIN MOORE	SEE PAINT SPECIFICATION		963 MARITIME WHITE	DOOR AND FRAME, PHASE 1, PHASE 2 AND PHASE 4
		P-5	BENJAMIN MOORE	SEE PAINT SPECIFICATION		1590 PAPER WHITE	DOOR AND FRAME, PASE 3
PAINT		P-6	BENJAMIN MOORE	SEE PAINT SPECIFICATION		980 WOODCLIFF LAKE	SERVICE DOORS PHASE 1
		P-7	BENJAMIN MOORE	SEE PAINT SPECIFICATION		1611 GRAYTINT	LOADING DOCK EXTERIOR DOORS
		P-8	BENJAMIN MOORE	SEE PAINT SPECIFICATION		1239 RURAL EARTH	CORRIDOR B-098, B-099 PHASE 1
CEILING							
	ACOUSTICAL CEILING TILE						
		ACT-1	ARMSTRONG	FISSURED SQUARE LAY-IN	2' X 4'	WHITE	CORRIDORS
		ACT-2	ARMSTRONG	FISSURED SQUARE LAY-IN	2' X 2'	WHITE	STAFF LOUNGE
		GRID-1	ARMSTRONG	PRELUDE XL 15/16		WHITE	STAFF LOUNGE

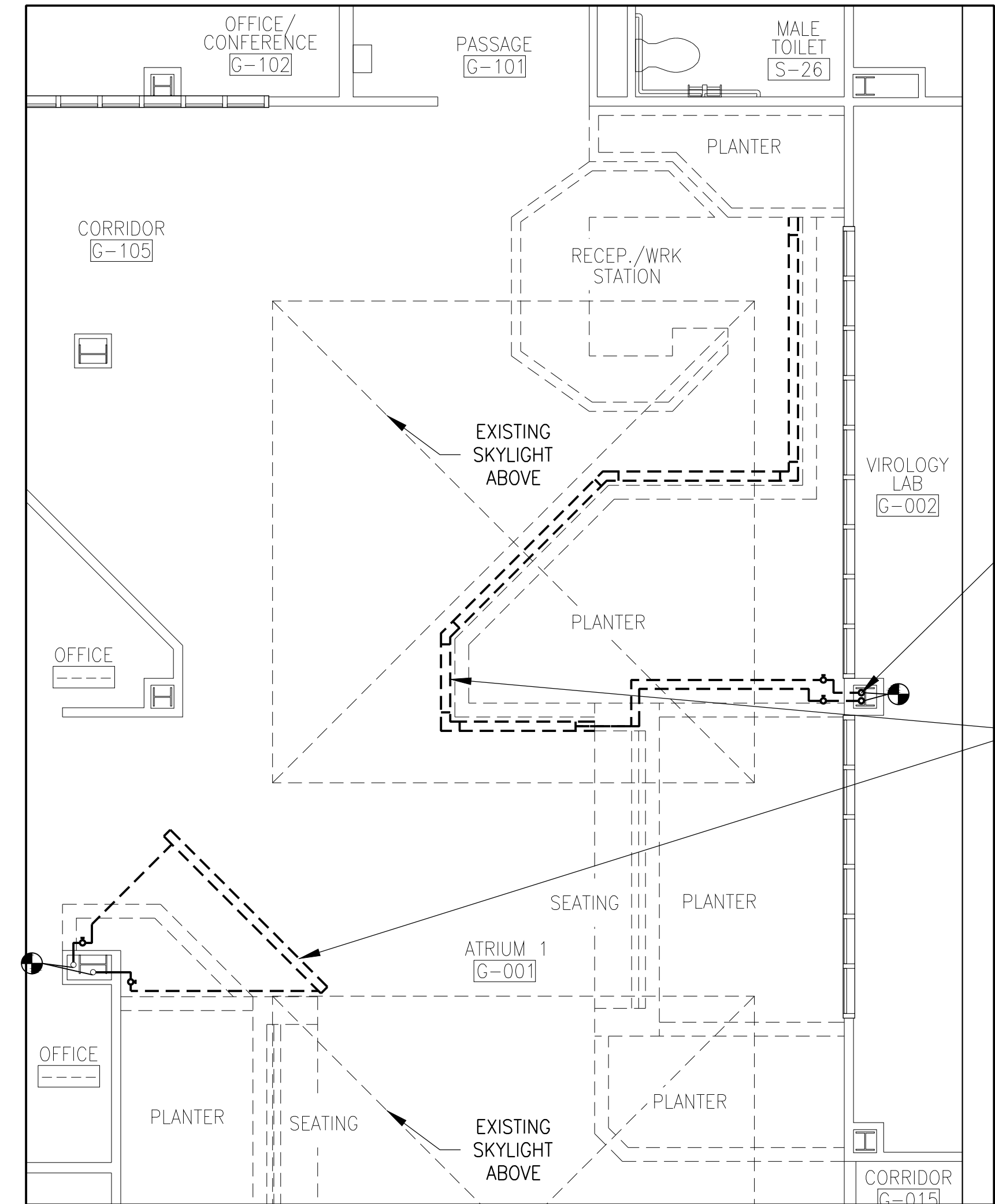
3 FINISH LEGEND
A-17 N.T.S.

NOTE: ALL COLORS NOT INDICATED ON SCHEDULE TO BE SELECTED BY ARCHITECT FROM MANUFACTURER FULL RANGE OF MANUFACTURER STANDARD CHART/SAMPLES SUBMITTED BY CONTRACTOR



2 ENTRY MAT @ BLDG. MAIN ENTRANCE
A-17 3"=1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
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SIGNATURE			SIGNATURE		
TITLE	DATE		TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 19-531	SHEET NUMBER A-17
				SHEET NO. 19 OF 27	
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK FINISH SCHEDULE AND DETAILS				SCALE: N.T.S. DATE: 10/28/21 DPW FILE NO.	REV. NO.: 0
				38-54-A-776	0



1 DEMOLITION PLAN © ATRIUM # 1
M-1 1/4"=1'-0"

MECHANICAL NOTES

- SAFETY:** CONTRACTOR IS RESPONSIBLE TO PROVIDE FOR THE SAFETY OF ITS WORKERS, AND THE PUBLIC AS PER ALL LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
- GENERAL PROVISIONS:** THE CONTRACTOR SHALL PROVIDE ALL MECHANICAL EQUIPMENT, PIPING, VALVES, AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION, INCLUDING HOT WATER ISOLATION VALVES FOR EACH PIECE OF EQUIPMENT. CONTRACTOR SHALL PROVIDE ALL ITEMS SHOWN IN MANUFACTURER'S DOCUMENTATION THAT ARE CALLED OUT TO BE FIELD SUPPLIED IN ORDER TO PROVIDE A COMPLETE INSTALLATION.
- DEMOLITION:** REMOVE ABANDONED PIPING BACK TO MAIN OR RISER AND CAP. CAPPING AND PLUGGING OF PIPING SHALL BE DONE USING THE SAME MATERIAL AS THE PIPING. ALL DEMOLITION AND CONSTRUCTION MATERIAL DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. CARE SHALL BE TAKEN TO PRESERVE THE INTEGRITY AND CONDITION OF EXISTING PIPING AND EQUIPMENT.
- FIELD COORDINATING EXACT LOCATIONS:** DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. EXACT LOCATIONS OF PIPING IN FLOORS, WALLS, CEILINGS, AND CHASES SHALL BE COORDINATED WITH THE EXISTING CONDITIONS IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE AND LOCATION OF ALL EXISTING PIPING IN FIELD BEFORE SUBMITTING SHOP DRAWINGS OR COMMENCING WORK.
- CODE COMPLIANCE:** ALL REGULATIONS, RULES, ETC., OF ALL STATE, COUNTY AND LOCAL GOVERNMENTS, AND ALL UTILITY AGENCIES SHALL BE FOLLOWED BY THE CONTRACTOR. ALL MECHANICAL WORK SHALL BE DONE IN COMPLIANCE WITH NFPA, THE N.Y. STATE AND THE LOCAL MECHANICAL CODES.
- COORDINATION WITH OTHER TRADES:** THIS WORK WILL BE BID CONCURRENTLY WITH ANOTHER CONTRACT. COORDINATE WITH WORK OF OTHER TRADES. VERIFY ELEVATIONS OF NEW PIPING PRIOR TO INSTALLATION, NOTIFY ENGINEER IMMEDIATELY IF ANY POSSIBLE CONFLICTS COULD OCCUR.
- HANGERS AND SUPPORTS:** PROVIDE SUFFICIENT CLEVIS TYPE HANGERS, SUPPORTS, RODS, BRACES, ETC. BY OATEY OR EQUAL TO PROPERLY SUPPORT PIPING. INSTALL HANGERS OVER INSULATION.
- PIPE PENETRATIONS** - PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.

ADDITIONAL INSULATION NOTE:

1. IN ADDITION TO THE INSULATION ON NEW AND EXISTING PIPING AT NEW WORK AREAS, 200LF OF ANY COMBINATION OF DOMESTIC & HYDRONIC WATER PIPING, 4"Ø AND BELOW, SHALL ALSO BE PROVIDED, AS PART OF BASE BID, WHERE INSULATION IS MISSING OR OTHERWISE NOT FUNCTIONING AS REVEALED DURING THE COURSE OF CONSTRUCTION OR AS DIRECTED BY COUNTY REPRESENTATIVE. INSULATION THAT IS RENDERED MISSING OR OTHERWISE NOT FUNCTIONING AS A RESULT OF CONTRACTOR MALPRACTICE SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE COUNTY.

EQUIPMENT NOTES

- RADIATORS**
 - HORIZONTAL PANEL RADIATORS** - (FPR-1, 2 & 3): RADIATORS SHALL BE RUNTALL RF-5 LOW TEMPERATURE PANEL RADIATOR OR APPROVED EQUAL. PANEL HEATER SHALL HAVE 1,209 BTUH/FT @ 180°F; 14.4" HIGH SECTIONS TO LENGTHS SHOWN ON THE PLANS.
 - RADIATOR SUPPORT:** RADIATORS SHALL BE SUPPORTED FROM WALL VIA RUNTAL KR30 CANTILEVER BRACKET OR EQUAL.

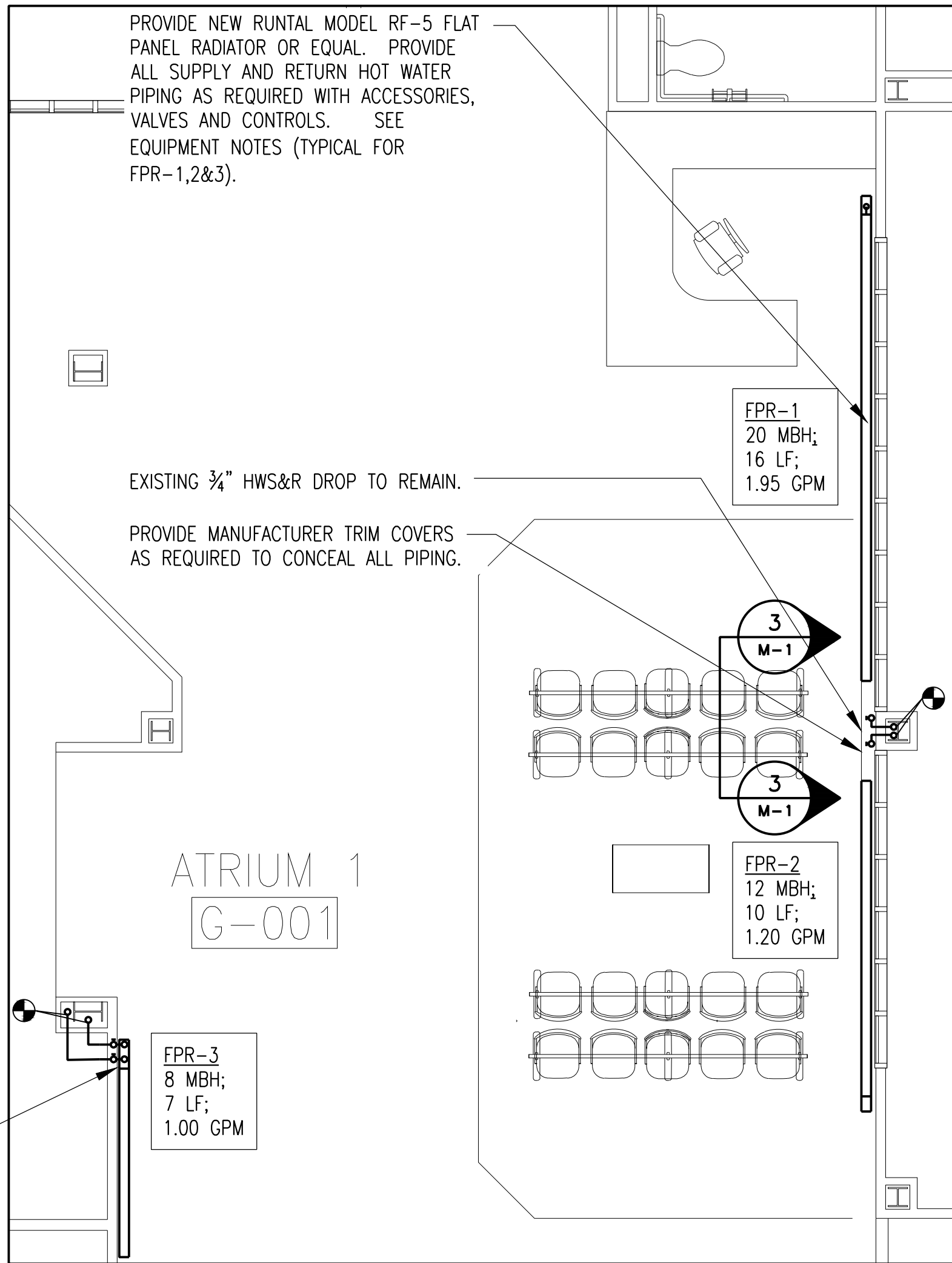
PIPING NOTES

- WATER PIPING:** TYPE "L" COPPER AND WROUGHT COPPER FITTINGS, 95-5 LEADLESS SOLDER OR PRESS FITTINGS. PRESS FITTINGS SHALL BE NIBCO OR EQUAL, SUITABLE FOR USE IN PLUMBING OR MECHANICAL APPLICATIONS. CONTRACTOR SHALL INSURE TOOLS AND JAWS USED ARE COMPATIBLE FOR MATERIAL.
- INSULATION:** INSULATE ALL NEW HOT WATER PIPING WITH MIN. 6 LB DENSITY MOLDED FIBERGLASS INSULATION, MAXIMUM 0.23 K-FACTOR AT 75°F WITH FACTORY-APPLIED ALL PURPOSE (AP) FACING OR ALUMINUM JACKET.
- PIPING VALVES AND FITTINGS ON ALL INSULATED PIPES** SHALL BE PROVIDED WITH COMPRESSED FIBERGLASS AND WIRED IN PLACE WITH 18 GA GALVANIZED STEEL WIRE. PRE-MOLDED PVC INSULATION COVERS FOR FITTINGS ARE NOT ALLOWED.
- ALL INSULATION SHALL BE APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS** WITH USE OF 2" STRIPS AT ALL SEAMS SECURED WITH ADHESIVE. ALL SEAMS AND JOINTS SHALL BE VAPOR SEALED USING VAPOR BARRIER TAPE AND VAPOR SEAL ADHESIVE. STAPLES ARE NOT PERMITTED. ALL INSULATION AND VAPOR BARRIERS SHALL BE CONTINUOUS THROUGH SLEEVES, HANGERS, ETC. INSULATION FOR STRAINERS AND OTHER FITTINGS OR ACCESSORIES REQUIRING SERVICING OR INSPECTION SHALL HAVE INSULATION REMOVABLE AND REPLACEABLE WITHOUT DAMAGE.
- ALTERNATE MANUFACTURERS:**
 - ARMSTRONG
 - MANVILLE
 - OWENS-CORNING

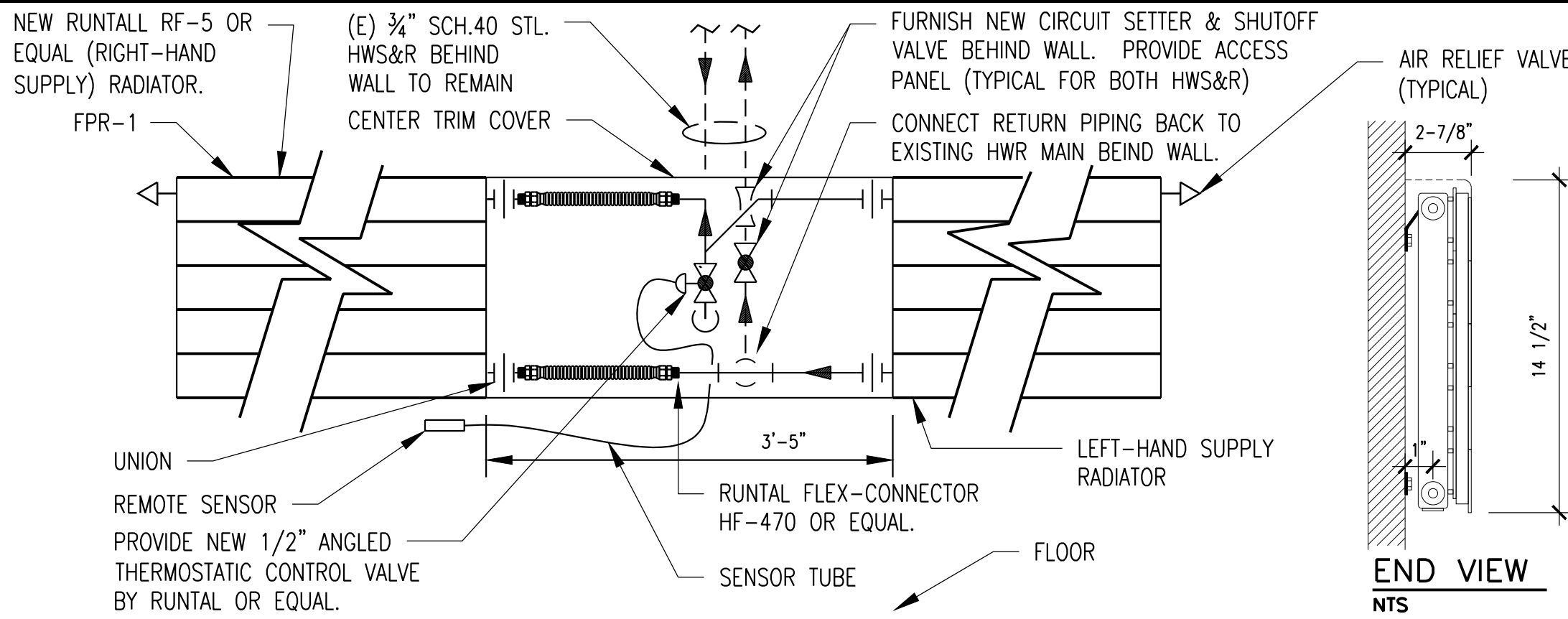
		INSULATION MINIMUM THICKNESS (IN)				
PIPING SYSTEM	FLUID TEMP.	RUN-OUT TO 2"	UP TO 2"	2-1/2" TO 4"	OVER 4"	
HEATING HOT WATER	UP TO 250°F	1.0"	1.5"	2.0"	1.0"	

VALVE NOTES

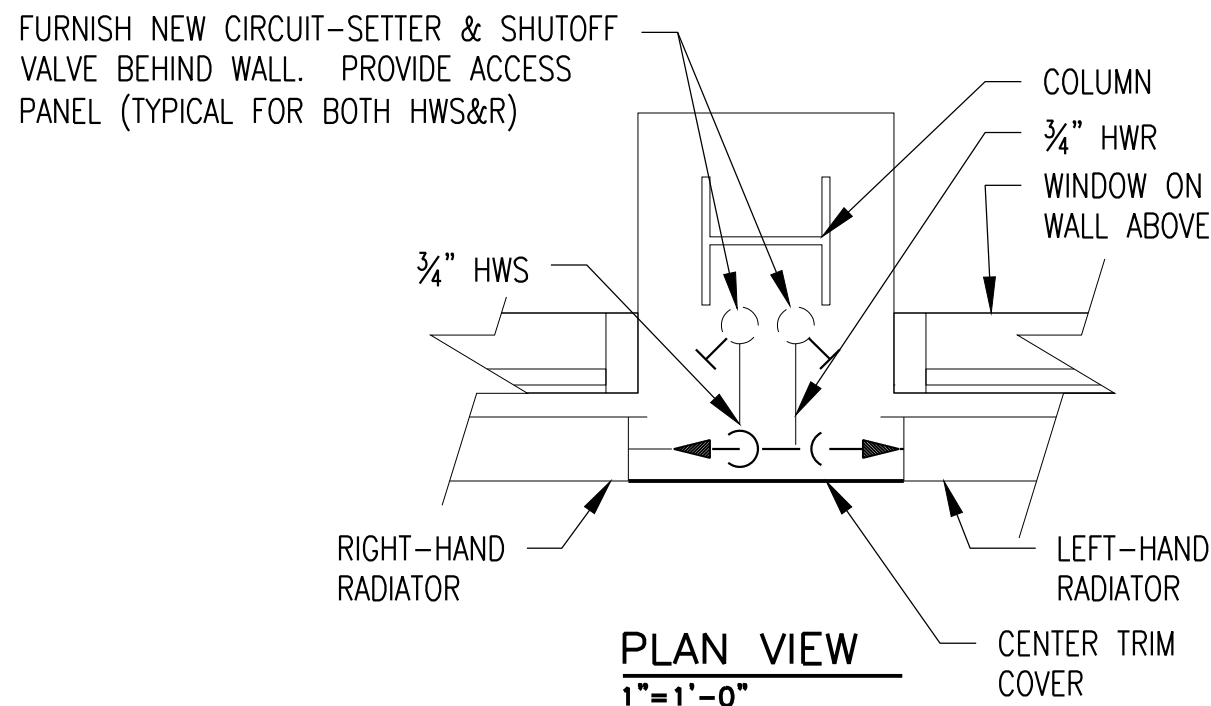
- THERMOSTATIC CONTROL VALVE:** RUNTAL SELF-CONTAINED THERMOSTATIC CONTROL VALVE CONTROL- REV 1/2" OR EQUAL WITH SENSOR CONTROL HEADS (REMOTE-SEN) OR EQUAL.
- BALL VALVE:** CONTRACTOR SHALL FURNISH TWO-PIECE, FULL-PORT, BRONZE BALL VALVES WITH BRONZE TRIM; MSS SP-110; 150 PSIG SWP RATING; 600 PSIG CWP RATING; BRONZE BODY MATERIAL; THREADED ENDS; PIPE OR TFE SEATS; BRONZE STEM; CHROME-PLATED BRASS BALL.
- ISOLATION VALVE:** CLASS 125, NRS BRONZE GATE VALVE; MSS SP-80, TYPE 1; 200 PSIG CWP RATING; ASTM B 42, BRONZE WITH INTEGRAL SEAT AND SCREW-IN BONNET; THREADED OR SOLDER JOINTS; BRONZE STEM; SOLID WEDGE BRONZE DISC; ASBESTOS FREE PACKING; MALLEABLE IRON HAND-WHEEL.



2 CONSTRUCTION PLAN © ATRIUM # 1
M-1 1/4"=1'-0"



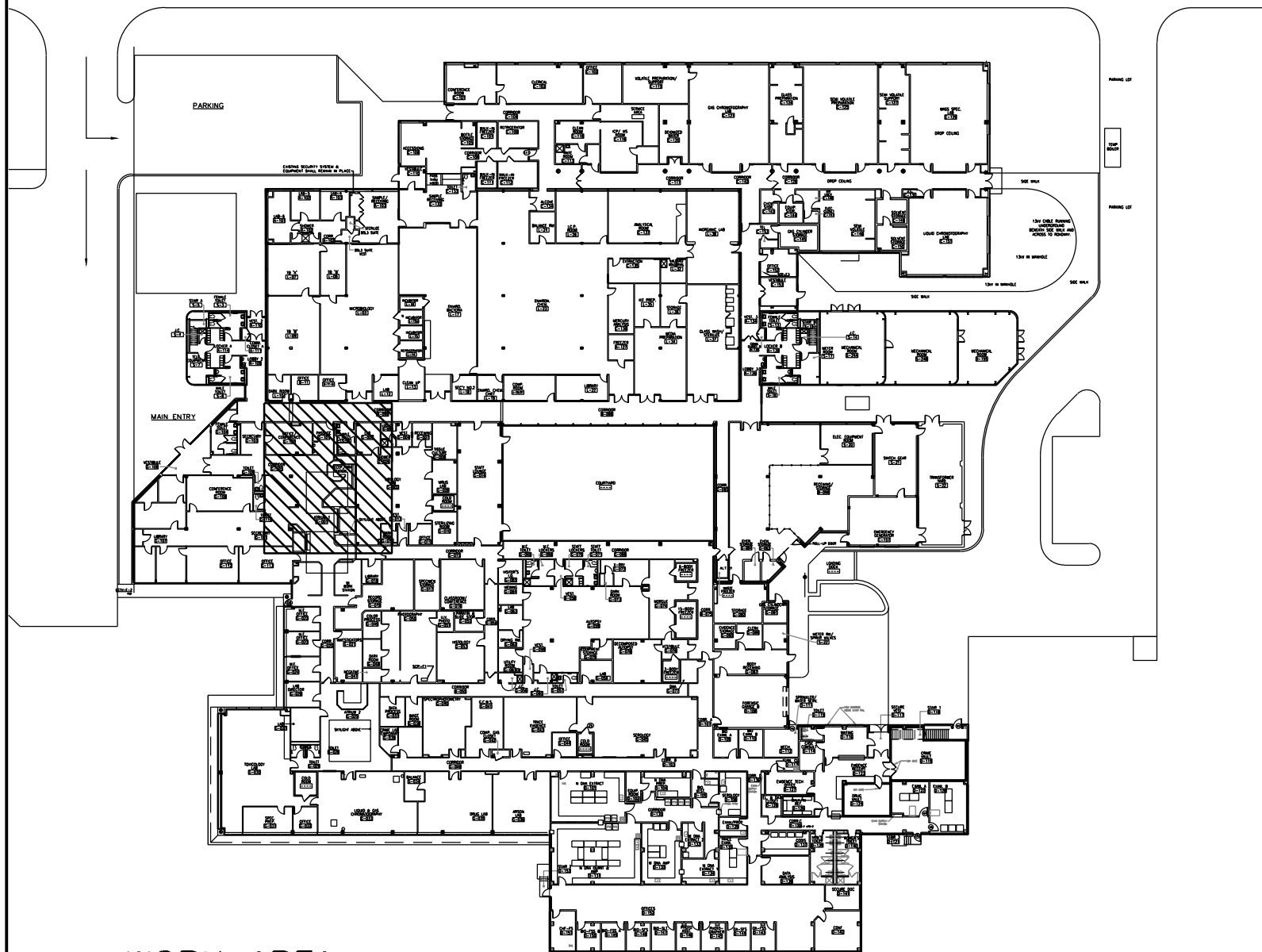
FRONT VIEW (FPR-1/2)
NTS



PLAN VIEW
1"=1'-0"

3 RADIATOR DETAILS
M-1 1"=1'-0"

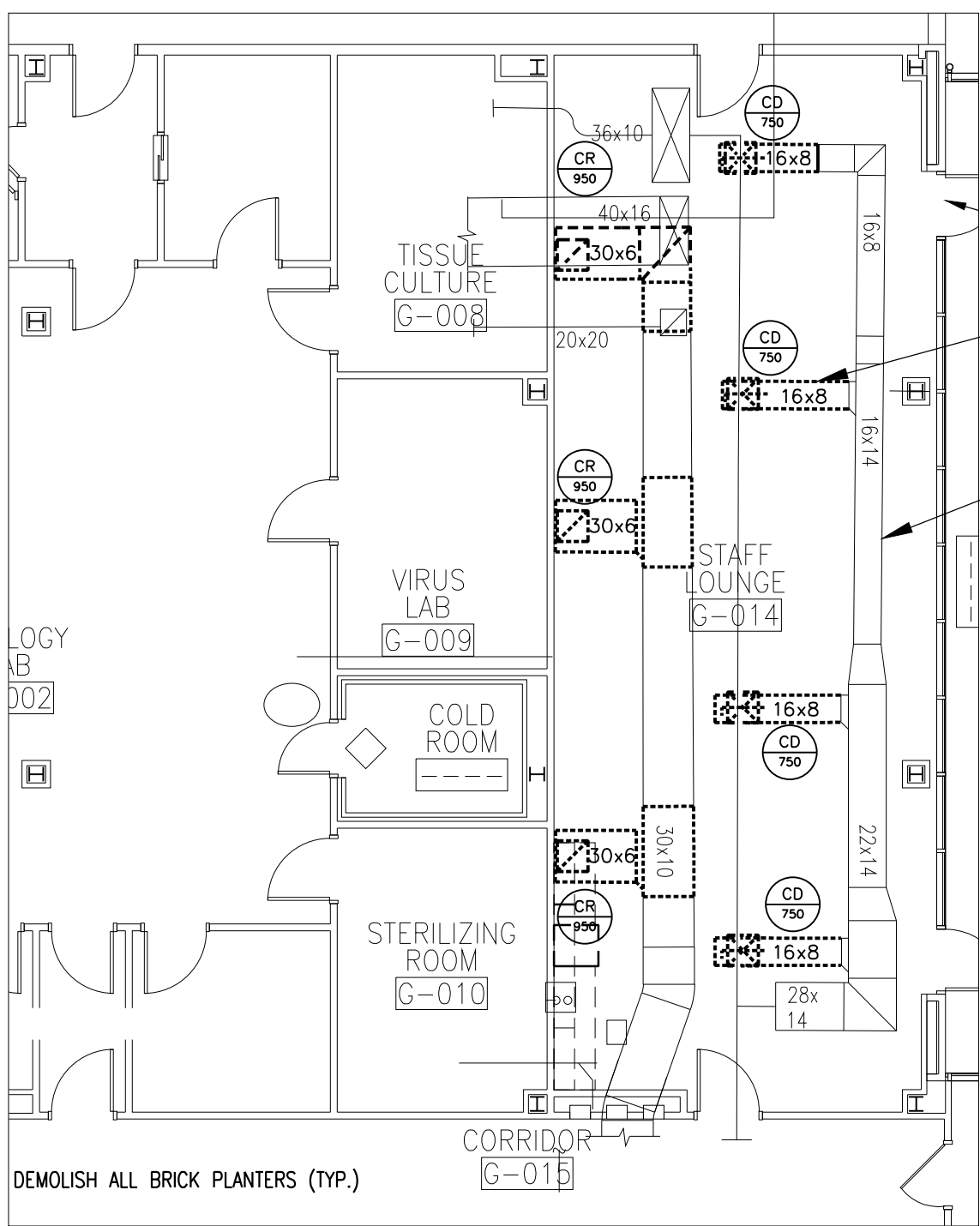
PIPING LEGEND		
SYMBOL	ABBREV	DESCRIPTION
	GA	GATE VALVE
	GL	GLOBE VALVE
	BF	BUTTERFLY VALVE
	BA	BALL VALVE
	CV	2-WAY PNEUMATIC CONTROL VALVE
	PV	PLUG VALVE
	PV	90° PLUG VALVE
	CH	CHECK VALVE
		PETCOCK
	PRV	PRESSURE REDUCING VALVE
	STR	STRAINER WITH BLOW-OFF VALVE AND CAP
	FPC	FLEXIBLE PIPE CONNECTION
	UN	UNION
	RED	ECCENTRIC REDUCER
	RED	CONCENTRIC REDUCER
		FLOW ARROW
		BREAK
		DROP
		45° DROP
		BOTTOM TAKE-OFF
		VALVE DROP
	OS&Y	OUTSIDE SCREW AND YOKE VALVE
		SOLENOID OUTSIDE SCREW AND YOKE VALVE
		AIR VENT VALVE
	FE	FLOW ELEMENT
	FPR-X	FLAT PANEL RADIATOR



WORK AREA
1/64"=1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
NAME SIGNATURE TITLE		CONTRACTOR NAME SIGNATURE DATE		
PROJECT COORDINATOR NAME SIGNATURE DATE				
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 19-531 SHEET NUMBER M-1		
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK ATRIUM #1 DEMO AND NEW WORK PLANS		SCALE: AS SHOWN DATE: 10/28/2021 DPW FILE NO. 38-54-M-777 REV. NO. 0		

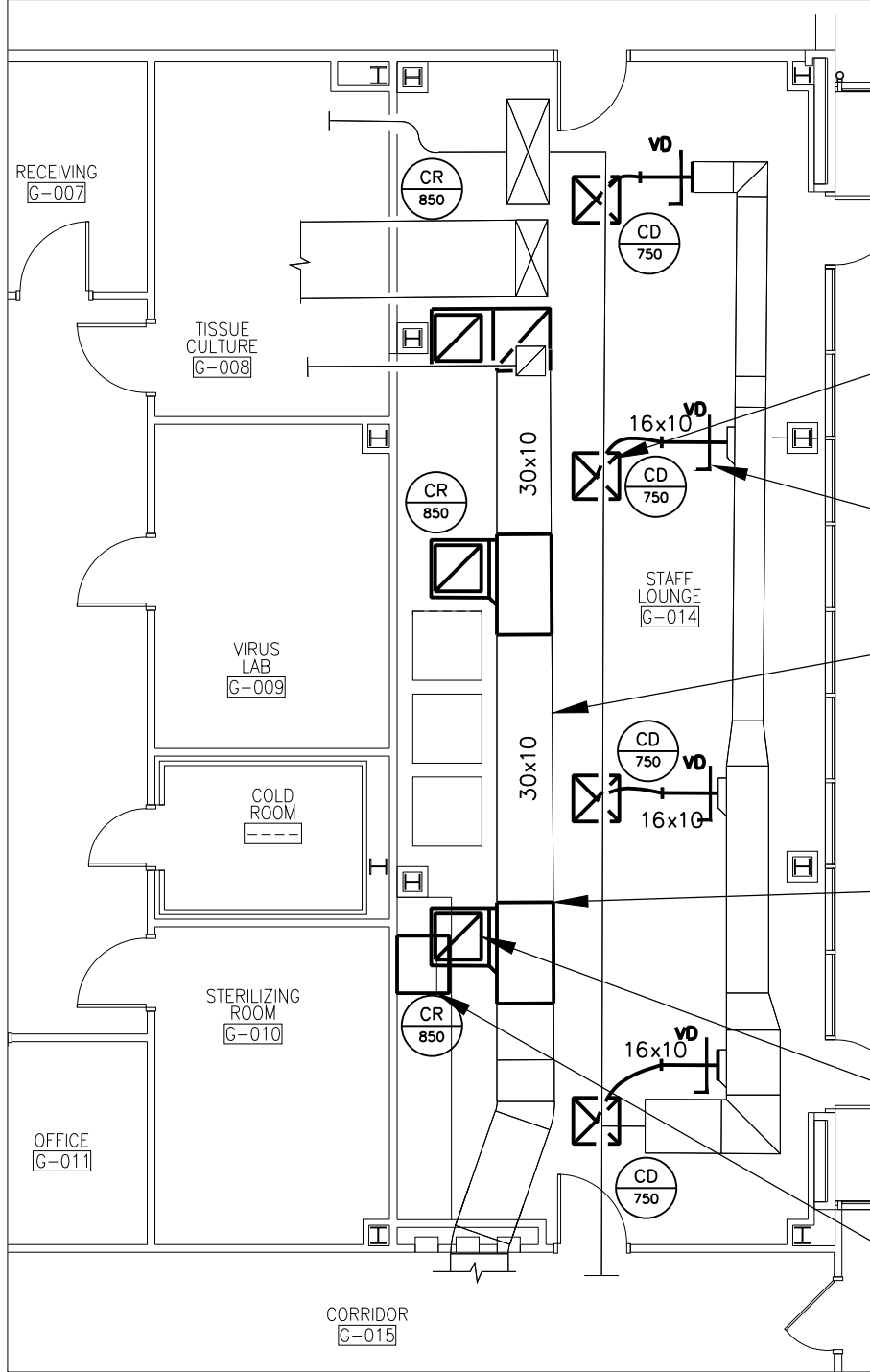
IN CHARGE OF JAI PUNNOOSE, P.E.
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY VINCENT LEONE, P.E.



NOTE: CEILING GRID CHANGES UNDER THIS CONTRACT. CONTRACTOR SHALL PROVIDE MODIFICATIONS TO EXISTING DUCTWORK TO SHIFT DIFFUSERS AND REGISTERS AS REQUIRED TO ACCOMMODATE NEW LOCATIONS (TYPICAL)

SHIFT DIFFUSERS AND REGISTERS AS REQUIRED TO ACCOMMODATE NEW LOCATIONS (TYPICAL).

EXISTING DUCTWORK TO REMAIN.



NOTE: CEILING GRID CHANGES UNDER THIS CONTRACT. CONTRACTOR SHALL PROVIDE MODIFICATIONS TO EXISTING DUCTWORK TO SHIFT DIFFUSERS AND REGISTERS AS REQUIRED TO ACCOMMODATE NEW LOCATIONS (TYPICAL)

PROVIDE NEW 24x24 SUPPLY CEILING DIFFUSERS 15"ø NECK; SEE EQUIPMENT NOTES ON THIS SHEET (TYPICAL FOR 4).

PROVIDE NEW VOLUME DAMPERS (TYPICAL FOR 4).

PROVIDE NEW SUPPLY DUCTWORK TO MATCH EXISTING SIZE, MATERIAL AND GAUGE AS REQUIRED TO ACCOMMODATE NEW DIFFUSER LOCATIONS. LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 6 LINEAR FEET (TYPICAL)

PROVIDE NEW RETURN DUCTWORK TO MATCH EXISTING SIZE, MATERIAL AND GAUGE AS REQUIRED TO ACCOMMODATE NEW LOCATIONS (TYPICAL).

PROVIDE NEW 24x24 RETURN CEILING DIFFUSERS WITH 18x18 DUCT CONNECTOR; SEE EQUIPMENT NOTES ON THIS SHEET (TYPICAL FOR 3).

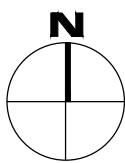
PROVIDE NEW RECIRCULATING RANGE HOOD.

MECHANICAL SYMBOLS AND ABBREVIATIONS

	(E) EXISTING TO REMAIN		RETURN AIR INTO GRILLE
	(N) NEW WORK		DISCHARGE DIRECTION
	(R) EXISTING TO BE REMOVED	ESP	BRAKE HORSEPOWER
	(CD) CEILING DIFFUSER (4-WAY)	BHP	BRAKE HORSEPOWER
	(CD) CEILING DIFFUSER (3-WAY)	HP	HORSE POWER
	(CD) CEILING DIFFUSER (2-WAY)	TD	TRANSFER DUCT
	(CG) CEILING RETURN GRILLE	AD	ACCESS DOOR
	(CR) CEILING RETURN REGISTER	SP	STATIC PRESSURE
	FD FIRE DAMPER	ø	DIAMETER
	VD VOLUME DAMPER	AFF	ABOVE FINISHED FLOOR
	1" ACOUSTIC LINING	FC	FLEX CONNECTION
	DUCT SIZE - 1ST FIGURE IS SIDE SHOWN	N.T.S.	NOT TO SCALE
	DUCT RISE IN DIRECTION OF AIR FLOW	CFM	CUBIC FEET PER MINUTE
	CONSTANT VOLUME BOX	VAV	VARIABLE AIR VOLUME
	THERMOSTAT	CV	CONSTANT VOLUME BOX
	EXHAUST FAN		DOOR LOUVER
	1/2" WIRE MESH SCREEN		1" DOOR UNDER CUT
	HWS&R PIPING		
	VD VOLUME DAMPER		

1 DEMOLITION: STAFF LOUNGE MECHANICAL

M-2 SCALE: 1/8"=1'-0"



2 NEW STAFF LOUNGE MECHANICAL

M-2 SCALE: 1/8"=1'-0"

MAIN OR BRANCH DUCT
TRANSITION TO ROUND
SHEET METAL DUCT

SUPPORT ALL FLEXIBLE
AND SHEET METAL
DUCTWORK FROM
BUILDING STRUCTURAL
MEMBERS ONLY.

THE MAXIMUM HANGER
SPACING SHALL 10'.
SUPPORT FLEXIBLE
DUCTWORK AS
REQUIRED TO PREVENT
SAGGING OR CRIMPING.

LIMIT FLEXIBLE DUCT
RUN OUTS TO 6'.

FASTEN FLEXIBLE
DUCTS WITH TIE
WRAPS.

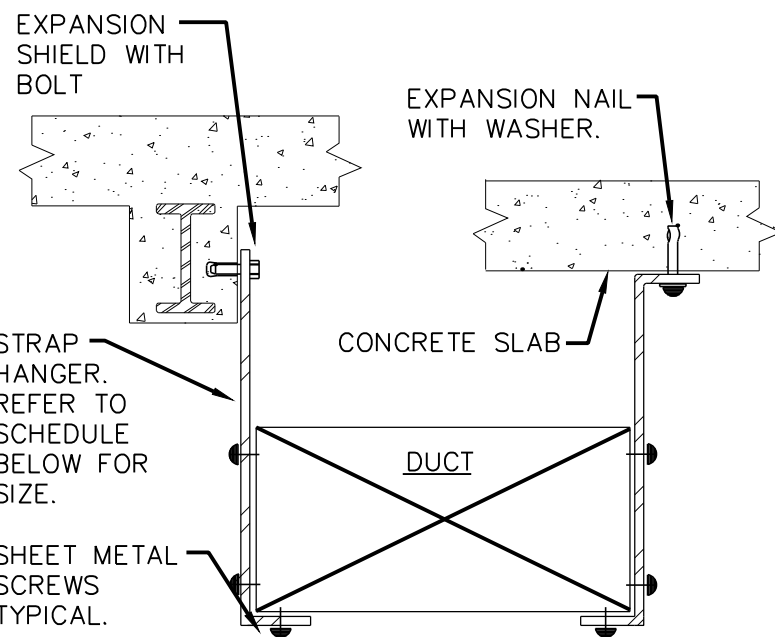
CEILING "T" BAR,
TYPICAL

CEILING DIFFUSER WITH
OPPOSED BLADE
VOLUME DAMPER

ACOUSTIC TILE SUSPENDED
CEILING SHOWN. BRANCH
DUCT CONNECTION IS
SIMILAR FOR A SURFACE
MOUNTED AIR OUTLETS.

NOTE:

THIS BRANCH DUCT ARRANGEMENT IS SIMILAR
FOR PLENUM SLOT DIFFUSERS, IF USED.



NOTES:

- FOR DUCTS OVER 49" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.
- ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

HANGER STRAP SCHEDULE			
DUCT SIZE	HANGER SIZE	MAXIMUM SPACING	
UP TO 2 SQ.FT.	1" x 1/16"	8'-0"	
2 SQ.FT. TO 4 SQ.FT.	1" x 1/8"	8'-0"	
4 SQ.FT. TO 10 SQ.FT.	1" x 1/8"	6'-0"	
OVER 10 SQ.FT.	1" x 1/8"	4'-0"	

DUCT HANGER DETAIL

N.T.S.

EQUIPMENT NOTES

- RANGE HOOD: PROVIDE NEW GE MODEL JYX3300EJ 30" UNDER GHT CABINET RECIRCULATING HOOD OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE NEW CHARCOAL FILTER AND 10 ADDITIONAL REPLACEMENT FILTERS.
- SUPPLY DIFFUSERS: SHALL BE TITUS MODEL TMS (STEEL) OF THE SIZES AND MOUNTING TYPES SHOWN ON THE PLANS AND OUTLET SCHEDULE. DIFFUSERS SHALL BE CONSTRUCTED OF 24-GAUGE STEEL THE FINISH SHALL BE #26 WHITE ANODIC ACRYLIC PAINT; OPTIONAL ROUND DAMPER SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL. DAMPER MUST BE OPERABLE FROM THE FACE OF THE DIFFUSER. DISCHARGE AIR IN DIRECTIONS SHOWN ON DWGS; OPTIONAL MOLDED INSULATION BLANKET SHALL BE PROVIDED. THE INSULATION WILL SHALL BE R-6, FOIL-BACKED AND PROVIDED AN ADDITIONAL 1-INCH GAP AROUND THE NECK TO INSTALL INSULATED FLEX DUCT; THE MANUFACTURER SHALL PROVIDE PUBLISHED PERFORMANCE DATA FOR THE SQUARE DIFFUSER. THE DIFFUSER SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70-1991.1.
- RETURN DIFFUSER: SHALL BE TITUS MODELS PAR-AA (ALUMINUM, FLUSH FACE) FOR RETURN. DIFFUSERS SHALL HAVE A PERFORATED FACE WITH 3/16-INCH DIAMETER HOLES ON 1/2-INCH STAGGERED CENTERS AND NO LESS THAN 51 PERCENT FREE AREA. PERFORATED FACE SHALL BE ALUMINUM. THE BACKPAN SHALL BE ONE PIECE STAMPED HEAVY GAUGE STEEL OF THE SIZES AND MOUNTING TYPES SHOWN ON THE PLANS AND OUTLET SCHEDULE. THE DIFFUSER NECK SHALL HAVE 1-1/8-INCH DEPTH FOR EASY DUCT CONNECTION. THE FINISH SHALL BE #26 WHITE, ANODIC ACRYLIC PAINT. THE DIFFUSER SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70-1991.1.
- VOLUME DAMPERS: PROVIDE VOLUME DAMPERS FOR NEW DUCT SYSTEMS IN EACH BRANCH DUCT, WHERE INDICATED, AND WHERE REQUIRED TO ACCOMPLISH AIR BALANCE. VOLUME DAMPERS TO BE FABRICATED WITH 16 GAUGE GALVANIZED STEEL WITH INTERLOCKING BLADES AND HEMMED EDGES SET IN A GALVANIZED STEEL FRAME. PROVIDE OPPOSED BLADE TYPE DAMPERS. BALANCE ALL AIR FLOWS TO THOSE SHOWN ON THE PLANS IN AN APPROVED MANNER.

DUCTWORK NOTES

- ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES SHALL BE PROVIDED AND ALL OPERATIONS REQUIRED FOR COMPLETE INSTALLATION OF THE DUCTWORK, DAMPERS AND ALL AUXILIARY WORK OF ANY KIND, NECESSARY TO MAKE THE SYSTEM COMPLETE AND READY FOR SATISFACTORY OPERATION SHALL BE PERFORMED.
- EXCEPT AS OTHERWISE SHOWN OR NOTED, ALL DUCTS AND OTHER SHEET METAL WORK SHALL BE PRIME SHEETS OF GALVANIZED STEEL COMPLIES WITH NFPA 90A AND ASTM STANDARDS A525 AND A522.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS OF APPLICABLE CODES.
- INSTALL DUCTS AND HANGERS PLUMB AND LEVEL WITH JOINTS SQUARE AND DEVOID OF SHARP EDGES. ROUTE DUCTWORK TO MINIMIZE DIRECTIONAL CHANGES AND ABRUPT TRANSITIONS. PROVIDE ADEQUATE SPACE AROUND DUCTS TO ASSURE PROPER SUPPORT AND TO ALLOW THE INSTALLATION OF THE INSULATION SPECIFIED. INSTALL VOLUME DAMPERS AT BRANCHES CONNECTED TO THE MAIN DUCT.

DUCT CONSTRUCTION REQUIREMENTS

- QUALITY ASSURANCE: CONSTRUCT AND REINFORCE ALL DUCTWORK IN ACCORDANCE WITH THE LATEST STANDARDS OF ASHRAE AND THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. ALL WORK, MATERIALS AND EQUIPMENT SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NFPA 90A AND THE LOCAL AUTHORITIES HAVING JURISDICTION.
- LOW PRESSURE DUCTWORK: ALL LOW PRESSURE DUCTWORK SHALL BE MADE OF GALVANIZED STEEL OF THE FOLLOWING U.S. STANDARD GAUGES:

MAXIMUM DUCT DIMENSION	GAUGE
UP TO 30 INCHES	NO. 24
30 - 54 INCHES	NO. 22
55 - 84 INCHES	NO. 20
85 INCHES AND OVER	NO. 18
NO DUCT SHALL BE LESS THAN 24 GAUGE	

- BRACING, GAUGES AND SUPPORTS: BRACING, GAUGES AND SUPPORTS INDICATED IN SMACNA MANUALS ARE THE MINIMUM ACCEPTABLE. ADDITIONAL BRACING OR SUPPORTS SHALL BE INSTALLED TO ELIMINATE ANY DISTORTION OR VIBRATION WHEN THE SYSTEMS ARE OPERATING OR UNDER TESTS.
- LONGITUDINAL SEAMS: ALL LONGITUDINAL SEAMS SHALL BE PITTSBURGH TYPE SEAMS LOCATED AT THE CORNERS.
- DUCT SEALANT: SHALL BE 3M CO. TYPE EC-800 SEALING COMPOUND OR EQUIVALENT.

HANGERS AND SUPPORTS

- GENERAL:
 - PROVIDE HANGERS AND SUPPORTS TO SUPPORT THE WEIGHT OF DUCTS AND ASSOCIATED EQUIPMENT WITHIN THE DUCT RUN. FASTEN HANGERS AND SUPPORTS TO CONCRETE STRUCTURE BY INSERTS OR EXPANSION ANCHORS.
- HORIZONTAL DUCTWORK:
 - FOR DUCTS WITH A CROSS-SECTIONAL AREA OF 2 SQ. FT. OR LESS, HANGERS SHALL BE CONSTRUCTED OF AT LEAST 1" BY 1/16" STEEL STRAP. FOR DUCTS WITH A CROSS-SECTIONAL AREA OF OVER 2 SQ. HANGERS SHALL BE CONSTRUCTED OF AT LEAST 1" BY 1/8" STEEL STRAP.
 - FOR DUCTS WITH A CROSS-SECTIONAL AREA OF 4 SQ. FT. OR LESS, HANGERS SHALL BE NO MORE THAN 8 FT. APART; FOR DUCTS WITH A CROSS-SECTIONAL AREA OF MORE THAN 4 SQ. FT. BUT NOT OVER 10 FT. HANGERS SHALL BE NO MORE THAN 6 FT. APART, AND FOR DUCTS WITH A CROSS-SECTIONAL AREA OF MORE THAN 10 SQ. FT. HANGERS SHALL BE NO MORE THAN 4 FT. APART, THE DISTANCES BETWEEN HANGERS SHALL BE MEASURED LINEARLY ALONG THE DUCT.
 - STRAP HANGERS SHALL BE FASTENED TO DUCT WITH SHEET METAL SCREWS ON 2" CENTERS WITH NOT LESS THAN 2 PER VERTICAL SIDE. FOR DUCTS OVER 48" WIDE, STRAP HANGERS SHALL BE EXTENDED AROUND BOTTOM DUCT NOT LESS THAN 2" FROM EACH SIDE WITH AT LEAST ONE SHEET METAL SCREW PER LEG.

DUCT INSULATION

- THE CONTRACTOR SHALL NOTE THAT ALL NEW DUCTWORK SHALL BE INSULATED AS PART OF THIS PROJECT.
- ALL EXPOSED DUCTWORK SHALL BE COVERED WITH 1-1/2" THICK RIGID BOARD TYPE MINERAL FIBER OR GLASS WITH A RESIN BINDER, MINIMUM DENSITY: 3 POUNDS PER CUBIC FOOT, MAXIMUM K-FACTOR: 0.27 AT 75° F MEAN TEMPERATURE. TEMPERATURE RANGE: 35° TO 350°. FACTORY APPLIED VAPOR BARRIER JACKET OF ALUMINUM FOIL LAMINATED TO FIRE RESISTANT KRAFT PAPER AND REINFORCED WITH GLASS FIBERS: 0.02 PERMEABILITY.
- ALL CONCEALED AIR CONDITIONING SUPPLY AND RETURN DUCTWORK SHALL BE COVERED WITH 1-1/2" THICK FLEXIBLE FIBROUS GLASS BLANKET, MINIMUM DENSITY 1-1/2 POUNDS PER CUBIC FOOT, MAXIMUM K-FACTOR: 0.27 AT 75° F MEAN TEMPERATURE. TEMPERATURE RANGE: 40° TO 250° FACTORY APPLIED VAPOR BARRIER FACING OF MINIMUM 0.7 MIL ALUMINUM FOIL LAMINATED TO FIRE RESISTANT KRAFT PAPER AND REINFORCED WITH GLASS FIBERS: 0.02 PERMEABILITY.
- ALL INSULATION SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS WITH ADHESIVE AND COPPER CLAD WIRE FOR FLEXIBLE TYPE AND MECHANICAL FASTENERS FOR RIGID TYPE. SEAL ALL SEAMS AND JOINTS VAPORTIGHT WITH FIRE RETARDANT, VAPOR BARRIER SEALANT.
- KITCHEN EXHAUST FAN AND DUCT SHALL BE INSULATED WITH A MINIMUM INSULATION COVER OF 2" OF MAGNESIUM OR CALCIUM SILICATE BLOCK. INSULATION SHALL BE SECURELY BANDED IN PLACE WITH TIGHTLY BUTTED JOINTS, STAGGERED AND SECURED WITH 12 GAUGE ANNEALED STAINLESS STEEL WIRE, 12 IN. ON CENTERS, CALCIUM SILICATE BLOCK INSULATION SHALL CONFORM WITH ASTM C 533, TYPE 1, AND SHALL BE MANVILLE THERMO-12", OR AN APPROVED EQUAL.
- ALTERNATE MANUFACTURERS:
 - CERTAIN TEED
 - SCHULLER
 - OWENS-CORNING

WORK AREA

1/64"=1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION			
RECORD DRAWING CERTIFICATION							
☐ AS BUILT - CHANGES AS NOTED			☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR				
NAME			NAME				
SIGNATURE			SIGNATURE				
TITLE			TITLE				
DATE			DATE				
WESTCHESTER COUNTY, NEW YORK			CONTRACT NUMBER	SHEET NUMBER			
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION			19-531	M-2			
DIVISION OF ENGINEERING			SHEET NO. 21 OF 27				
INFRASTRUCTURE UPGRADES			SCALE: AS SHOWN				
LABS AND RESEARCH			DATE: 10/28/2021				
VALHALLA CAMPUS, VALHALLA, NEW YORK			DPW FILE NO.	REV. NO.			
STAFF LOUNGE MECHANICAL PART PLAN			38-54-M-778	0			

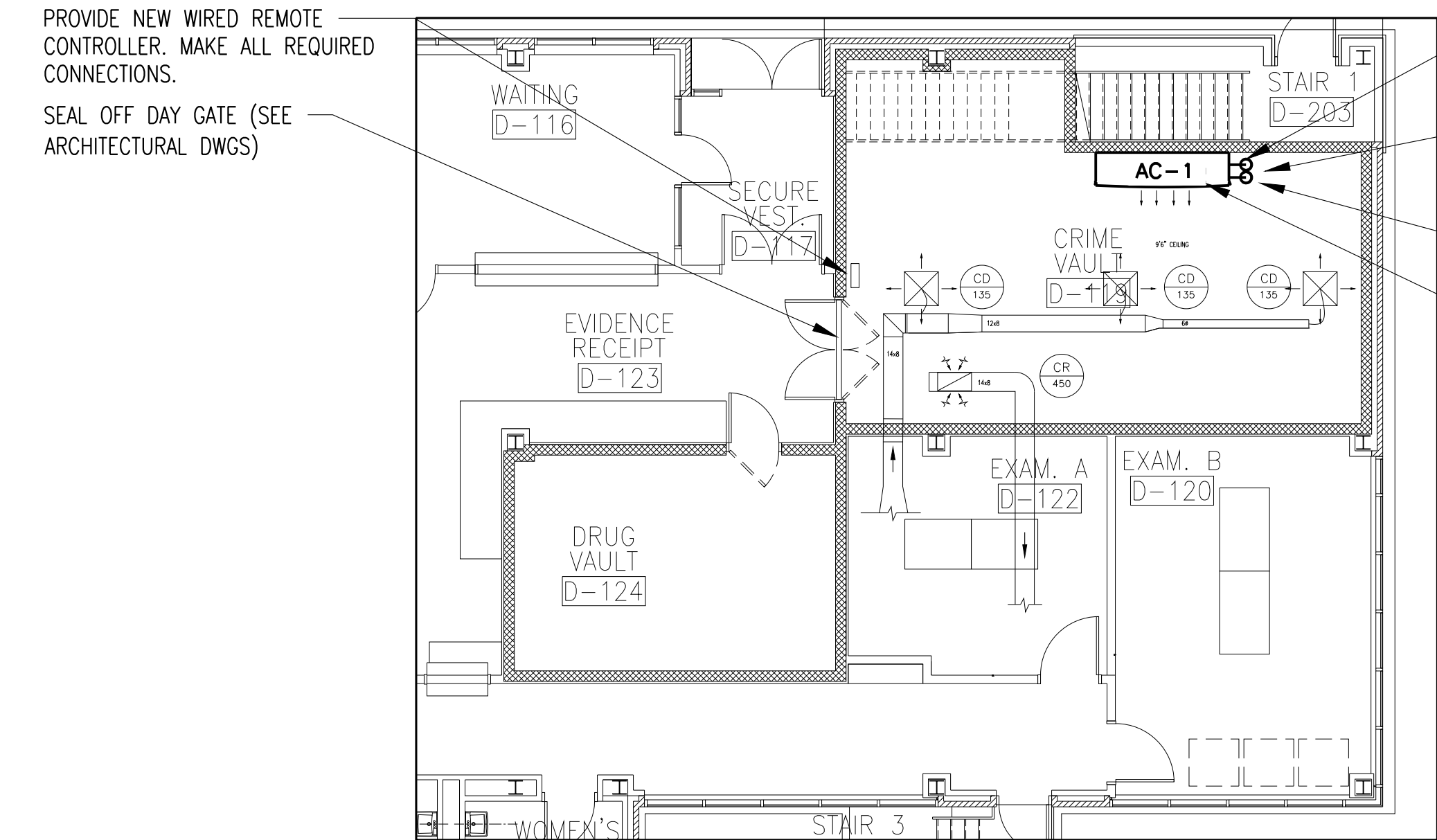
IN CHARGE OF JAI PUNNOOSE, P.E.
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY VINCENT LEONE, P.E.

GENERAL NOTES

- THE CONTRACTOR SHALL NOTE THAT ALL NEW DUCTWORK SHALL BE INSULATED AS PART OF THIS PROJECT.
- DO NOT SCALE DRAWINGS
- DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSIONS.
- USE WRITTEN DIMENSIONS ONLY. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
- ALL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED (U.O.N.)
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO COMMENCING ANY WORK. FOR FINAL LOCATIONS OF CEILING DIFFUSERS & REGISTERS, REFER TO ARCH. DWGS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CLEAR PUBLIC ACCESS.
- CONTRACTOR TO VERIFY THAT ALL EXISTING LIGHT FIXTURES AFFECTED BY DEMOLITION AND CONSTRUCTION SHALL BE SECURELY SUPPORTED. RECESSED FLUORESCENT LIGHT FIXTURES SHALL BE SECURED AT A MINIMUM OF TWO POINTS TO THE BUILDING STRUCTURE TO MEET THE LOCAL BUILDING CODE SEISMIC REQUIREMENTS.
- THE CONTRACTOR SHALL INSTALL FIRE DAMPER WITH ACCESS DOOR IN ALL DUCTS PENETRATING FIRE RATED WALLS WHETHER SPECIFICALLY SHOWN ON THE DRAWING OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OR REMOVING, RELOCATING AND RECONNECTING ANY EXISTING PIPING, DUCTWORK, CONDUITS, ETC. AS REQUIRED FOR THE INSTALLATION OF NEW WORK.
- THE FOLLOWING ARE INSPECTIONS AND SUBMITTALS REQUIRED AS PART OF THE PROJECT AND ARE TO BE INCLUDED IN THE MECHANICAL CONTRACTOR'S PROJECT SCOPE.
 - THE FOLLOWING ARE INSPECTIONS AND SUBMITTALS REQUIRED AS PART OF THE PROJECT AND ARE TO BE INCLUDED IN THE MECHANICAL CONTRACTOR'S PROJECT SCOPE. IDENTIFIED BELOW.
 - THE FOLLOWING ARE REQUIRED INSPECTIONS:
 - SEALING OF PENETRATIONS THROUGH FIRE RATED BARRIERS, PRIOR TO CONCEALMENT.
 - HVAC DUCTING, FIRE DAMPERS, INSTALLATION INCLUDING "BREAK AWAY" CONNECTIONS AND ACCESS PANELS, PRIOR TO CONCEALMENT.
 - FINAL INSPECTIONS OF ALL STRUCTURAL COMPONENTS, SYSTEMS, SUPPORTS, AND EQUIPMENT.
 - THE FOLLOWING ARE REQUIRED SUBMITTALS:
 - AIR HANDLER, EXHAUST FANS, CONTROLS, DUCTWORK, CV BOXES, HEPA FILTER UNIT, ETC..
 - HVAC BALANCE/TEST REPORT BY CERTIFIED TESTER.
 - AS-BUILT DRAWINGS OF THE PROJECT.
 - THE CONTRACTOR SHALL INSULATE ALL NEW AND EXISTING DUCTWORK AND PIPING IN THE AREA OF WORK.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL NEW VOLUME DAMPERS AT ALL NEW AND RELOCATED DIFFUSERS. REFER TO PLAN.

DEMOLITION

- CONTRACTOR TO REMOVE AND DISPOSE OF ALL ABANDONED PIPING AND DUCTWORK NOT BEING REUSED WITHIN THE PROJECT AREA AS SHOWN ON THE DRAWINGS OR AS ENCOUNTERED IN THE FIELD.
- CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL MATERIALS AND LABOR REQUIRED FOR THE EXTENSIONS, RE-ROUTING, AND RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT AND PIPING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING, AND AS REQUIRED TO MAINTAIN THE CONTINUITY OF ALL SERVICES TO ALL AREAS THROUGHOUT THE BUILDING.



1 CRIME VAULT MECHANICAL PLAN
M-3 1/8"=1'-0"

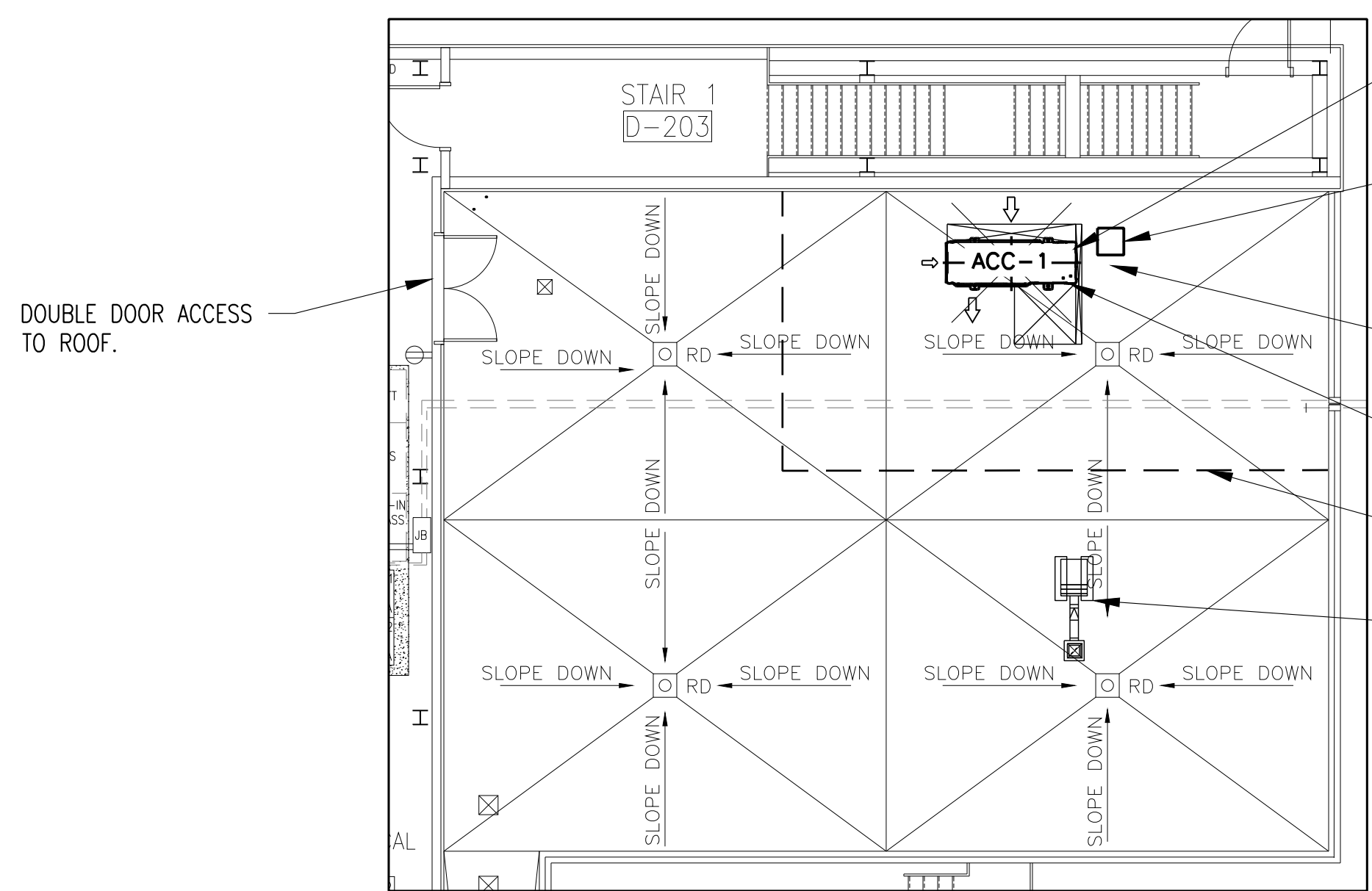
NEW 3/8" LIQUID LINE AND 5/8" GAS LINE FROM AC-1 TO ACC-1. COORDINATE ROUTING IN FIELD.

CONTRACTOR SHALL ROUTE LINESET UP TO ROOF. SEE ROOF PENETRATION DETAIL ON THIS SHEET. CONNECT PIPING TO ACC-1.

PROVIDE GRAVITY CONDENSATE DRAIN TO OUTDOORS. SEE PLUMBING SHEET P-1.

PROVIDE 3 TON SPLIT UNIT EVAPORATOR WITH STRUCTURAL SUPPORT

NOTE:
PROVIDE REFRIGERANT CONNECTION BETWEEN INDOOR AND OUTDOOR UNITS. PROVIDE CONDENSATE DRAINAGE TUBING. PROVIDE POWER AND CONTROL WIRING TO INDOOR/OUTDOOR UNITS. (SEE ELECTRICAL DRAWINGS).



2 ROOF PLAN
M-3 1/8"=1'-0"

PROVIDE NEW CONDENSING UNIT WITH LOW AMBIENT CONTROLS, ACC-1. MOUNT UNIT ON ERICO CADDY PYRAMID EQUIPMENT SUPPORT KIT. COORDINATE EXACT LOCATION IN FIELD.

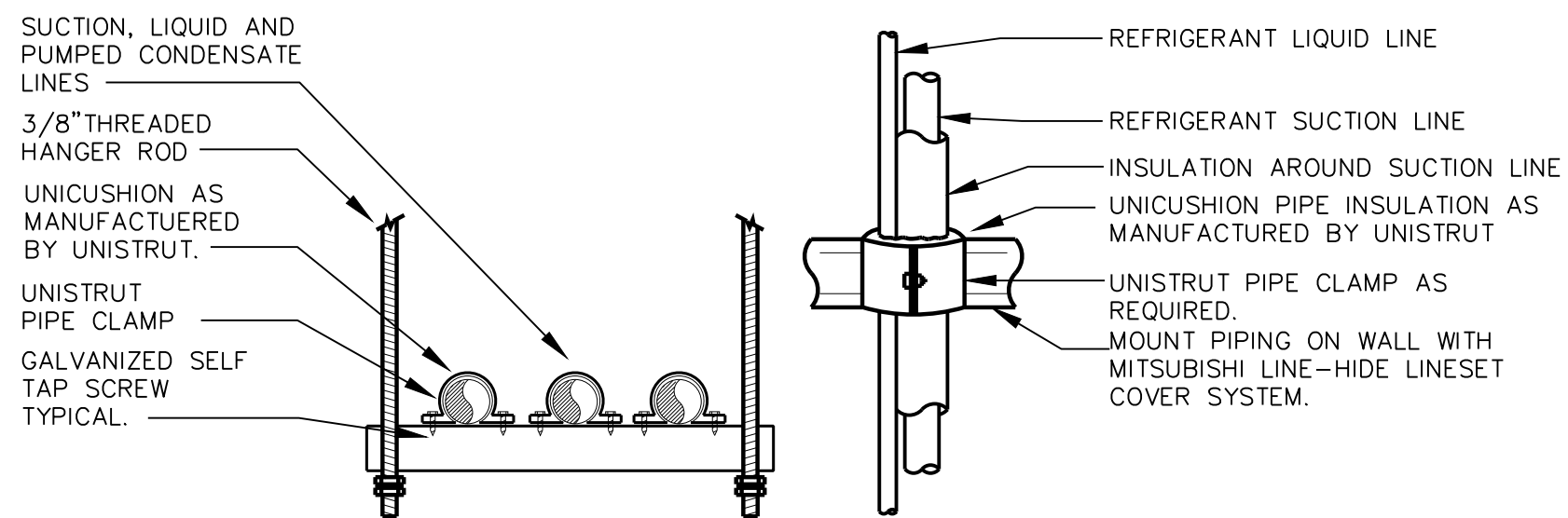
APPROXIMATE LOCATION OF NEW REFRIGERANT PIPING FROM INDOOR UNIT AND CONDUIT IN ROOF PIPE BOX. CONNECT REFRIGERANT PIPING TO CONDENSING UNIT. COORDINATE EXACT LOCATION OF ROOF PENETRATION IN FIELD. SEE ROOF PENETRATION DETAIL ON THIS SHEET.

PROVIDE VAPOR BARRIER INSULATION ON NEW PIPING (SEE SPECIFICATIONS). PIPING NOT SHOWN FOR CLARITY.

REFRIGERANT AND ELECTRICAL CONNECTIONS HERE.

OUTLINE OF CRIME LAB SPACE BELOW ROOF.

EXISTING ROOF FAN TO REMAIN.



NOTES:

- LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.
- LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.
- USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHOULD BE USED.
- SLOPE HORIZONTAL SUCTION LINES 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.

4 REFRIGERANT PIPE SUPPORT DETAILS
M-3 SCALE: NONE

MECHANICAL NOTES

- FIELD VERIFICATION:** THE INFORMATION GIVEN ON THIS PLAN IS FOR BID PURPOSES ONLY. THE SUCCESSFUL CONTRACTOR SHALL MAKE HIS OWN FIELD MEASUREMENTS AND VERIFY ALL GIVEN INFORMATION BEFORE ORDERING MATERIALS INCLUDING BUT NOT LIMITED TO: ELEVATIONS, CLEARANCES, AND OFFSETS REQUIRED FOR NEW INSTALLATION.
- COORDINATE LOCATIONS:** COORDINATE LOCATIONS OF EVAPORATOR UNITS, CONDENSING UNIT, REMOTE CONTROLLER, REFRIGERANT PIPING, CONDENSATE DRAIN PIPING ETC. WITH OTHER TRADES AND WITH EXISTING CONDITIONS.
- PROTECTION OF ADJACENT ACTIVITIES:** THIS PROJECT SHALL BE EXECUTED IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR THE PROTECTION OF ADJACENT ACTIVITIES AND THE GENERAL PUBLIC. DUST PRODUCING DEMOLITION SHALL BE ISOLATED WITH PROPER PRECAUTIONS.
- RELOCATION OF EXISTING:** CONTRACTOR SHALL VERIFY ALL WORK WITHIN THE AREA AND SHALL REMOVE OR RELOCATE ANY EXISTING PIPING AND EQUIPMENT AS REQUIRED FOR THE INSTALLATION OF NEW UNITS.
- PIPE ROUTING:** NEW PIPING (REFRIGERANT & CONDENSATE) SHALL BE ROUTED IN A MANNER TO REDUCE OBSTRUCTIONS, WHERE POSSIBLE. ALL CONDENSATE TUBING SHALL BE ROUTED IN A MANNER THAT AVOIDS ALL ELECTRONIC EQUIPMENT WITHIN THE ROOM.
- MANUFACTURER'S DATA:** PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT THE CONTRACTOR SHALL PROVIDE COUNTY REPRESENTATIVE (3) THREE COMPLETE SETS OF MANUFACTURER'S DATA OR SHOP DRAWINGS OF THE FOLLOWING APPARATUS GIVING FULL INFORMATION AS TO DIMENSIONS, MATERIALS, PERFORMANCE, AND SEQUENCE OF OPERATION FOR REVIEW:
 - SPLIT AIR CONDITIONING SYSTEM PACKAGE.
 - CONDENSATE PUMP (IF REQUIRED)
- CODE COMPLIANCE:** ALL WORK, MATERIALS, REGULATIONS, RULES, PERMITS, ETC., OF ALL STATE, COUNTY AND LOCAL GOVERNMENTS, AND ALL UTILITY AGENCIES SHALL BE FOLLOWED BY THE CONTRACTOR.
- PENETRATIONS:** ALL WALL PENETRATIONS SHALL BE SEALED, AND FIRESTOPPING MATERIAL INSTALLED. COORDINATE ALL ROOF PENETRATIONS WITH ROOFING MANUFACTURER. CONTRACTOR SHALL BE SURE NOT TO VOID ROOF WARRANTY.
- WORKING HOURS:** SEE ARCHITECTURAL SHEETS.
- ALARM:** PROVIDE REMOTE OUTPUT ALARM CONTACT WITH AC UNITS OR PUMPS FOR FUTURE CONNECTION ALARM MONITORING. ALARM MONITORING BY OTHERS.

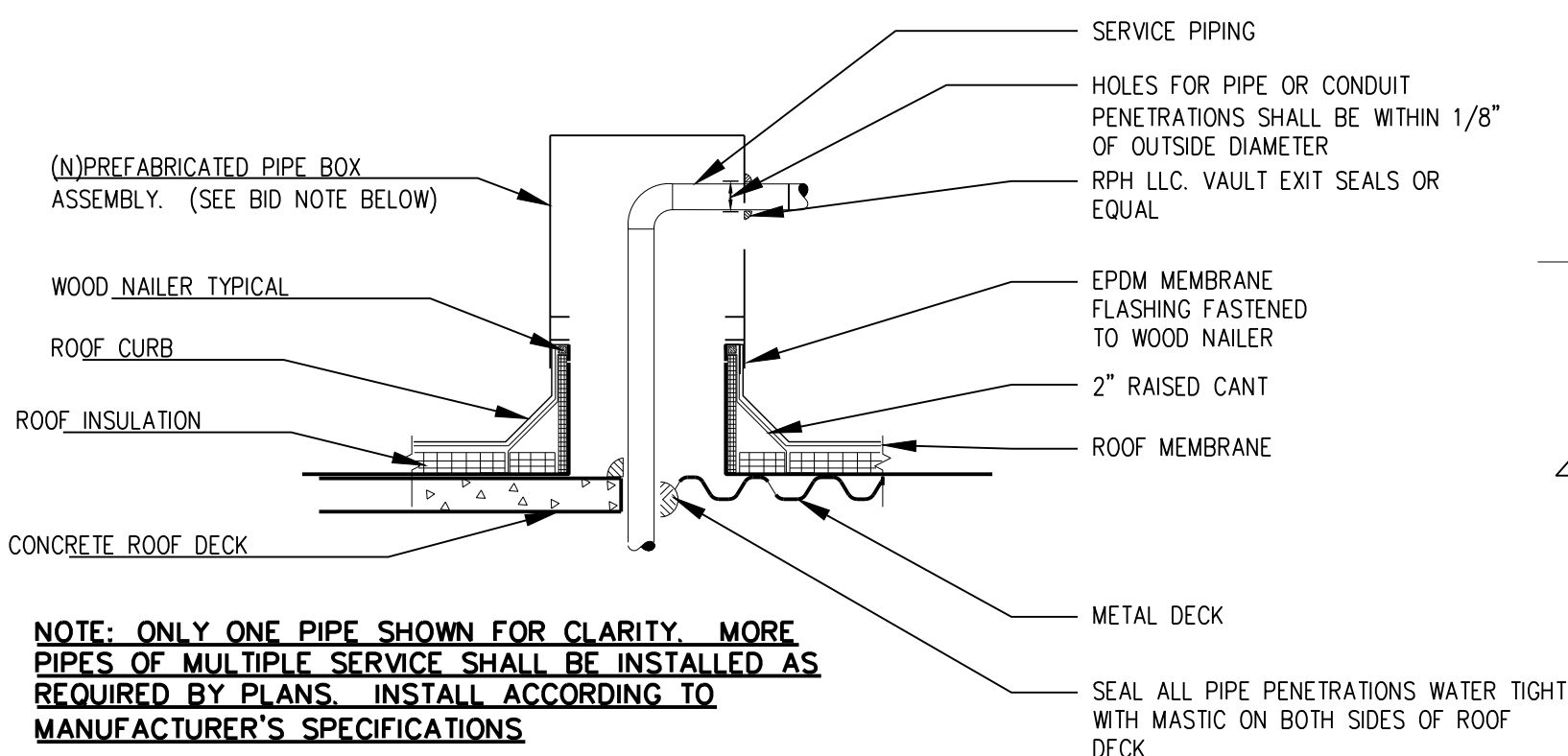
EQUIPMENT NOTES:

- AC-1:** BASED ON MITSUBISHI ELECTRIC, COOLING ONLY MODEL PKA-A36KAZ EVAPORATOR UNIT. PROVIDE WIRED REMOTE CONTROLLER MODEL PAR-40MAAU.
- ACC-1:** BASED ON MITSUBISHI ELECTRIC, AIR COOLED MODEL# PUY-A36NKAZ CONDENSING UNIT.

SPLIT SYSTEM INSTALL. NOTES:

- PRESSURE TEST AND EVACUATE:** REFRIGERATION PIPE WORK SHALL BE PRESSURE TESTED AND EVACUATED AS PER THE PRESSURE TEST AND EVACUATION METHOD STATEMENTS IN THE INSTALLATION MANUAL.
- CHARGE REFRIGERANT PIPING:** CONTRACTOR SHALL CORRECT REFRIGERATION TRIM CHARGE HAS BEEN ADDED AND SERVICE VALVES OPENED.
- CONDENSATE DRAIN:** ALL CONDENSATE DRAIN PIPE WORK SHALL BE COMPLETE.
- CONNECT POWER:** POWER SUPPLY (SOURCE VOLTAGE) TO ALL UNITS SHALL BE CHECKED PRIOR TO SWITCHING ON. ENSURE THAT THE INDOOR UNIT POWER SUPPLY (SOURCE VOLTAGE) ISOLATOR IS SWITCHED ON BEFORE THE OUTDOOR UNIT.
- CHECK ADDRESS SETTINGS:** ALL UNITS, REMOTE CONTROLLERS AND CENTRALIZED CONTROLLERS IN THE SYSTEM SHALL HAVE CORRECT ADDRESS SETTINGS PRIOR TO TURNING ON POWER TO THE OUTDOOR UNIT.
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

IN CHARGE OF JAI PUNNOOSE, P.E.
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY VINCENT LEONE, P.E.

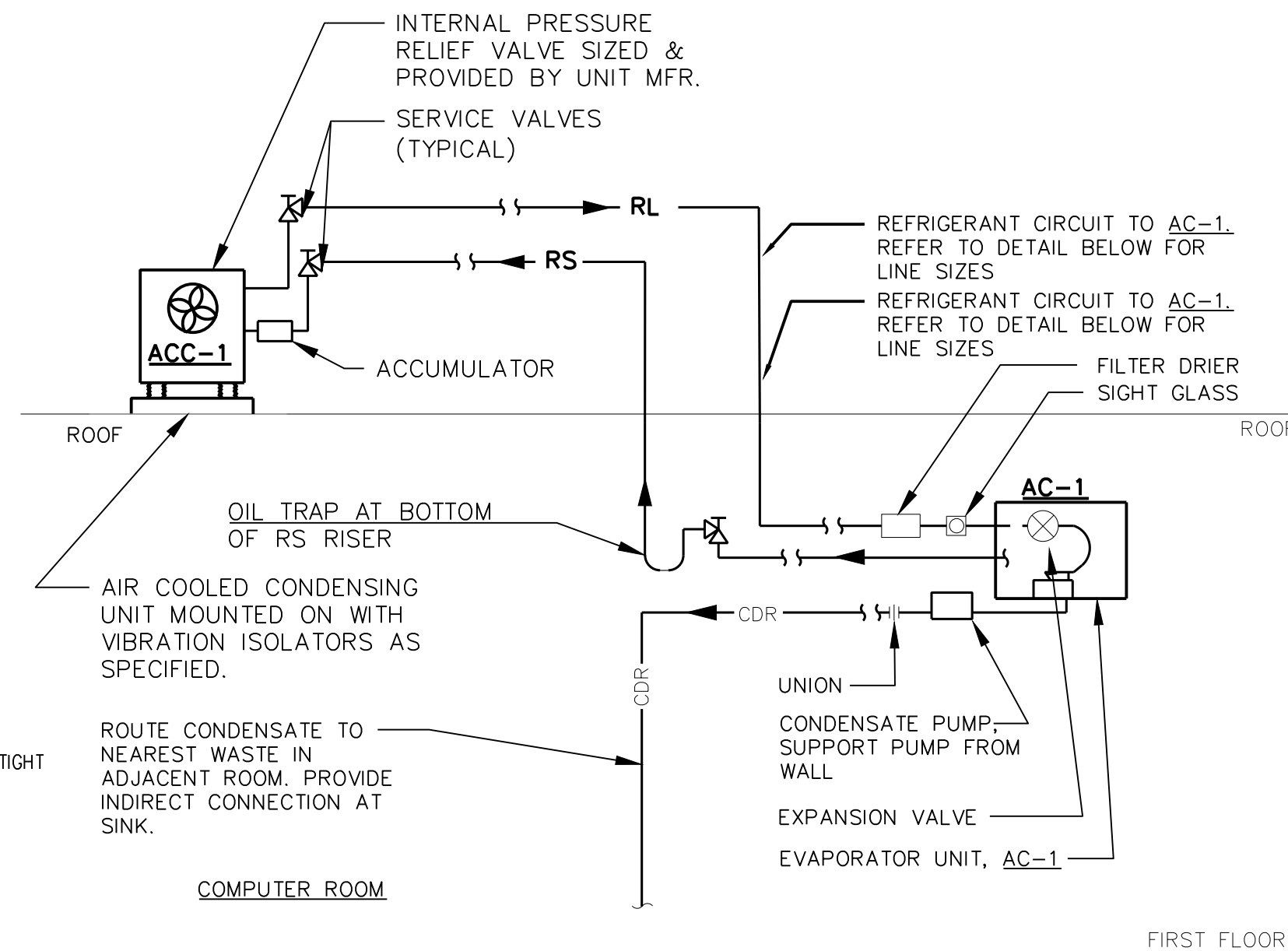


NOTE: ONLY ONE PIPE SHOWN FOR CLARITY. MORE PIPES OF MULTIPLE SERVICE SHALL BE INSTALLED AS REQUIRED BY PLANS. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS

NOTES:

- PREFABRICATED ROOF CURB AND PIPE BOX ASSEMBLY FOR NEW PENETRATION BASED ON ROOF PENETRATIONS HOUSINGS, LLC AWI SMALL VAULT MODEL AWI61010 OR EQUAL. ROOF CURB BOX ASSEMBLY WITH 18 INCH HIGH ROOF CURB
- CONTRACTOR SHALL PROVIDE ALL FLASHING, COUNTERFLASHING, AND ANY OTHER MATERIALS AND LABOR NECESSARY TO ENSURE A WATERTIGHT ROOF PENETRATION ENCLOSURE.
- FOR PENETRATION THROUGH CONCRETE DECKS, CORE DRILL HOLE AND FURNISH PIPE SLEEVE AND RISER CLAMP AS REQUIRED BY THE SPECIFICATIONS
- CONTRACTOR SIZE NEW PIPE BOX ACCORDINGLY. PROVIDE COORDINATED SUBMITTAL

3 ROOF PIPE PENETRATION DETAIL
M-3 1/8"=1'-0"



NOTE:

- PROVIDE TRAPS AS FOLLOWS:
 - FOR RISES UP TO 50', USE 1 TRAP AT THE BOTTOM OF THE SUCTION RISER.
 - FOR RISES BETWEEN 50' AND 100', INSTALL A SECOND TRAP HALF WAY UP THE RISER.
 - FOR RISES OVER 100', INSTALL TRAPS AT 1/3 INTERVALS.
- REFRIGERANT PIPING SHALL BE INSTALLED SO THAT THEY WILL NOT OBSTRUCT SERVICE ACCESS TO EITHER THE INDOOR COIL OR CONDENSING UNIT, THE AIR HANDLER IN GENERAL OR THE FILTER.
- SLOPE HORIZONTAL SUCTION LINES APPROX. 1" EVERY 20 FEET TOWARD THE CONDENSING UNIT TO FACILITATE OIL RETURN.
- ALL FASTENERS AND SUPPORTS LOCATED OUTDOORS SHALL BE GALVANIZED

6 REFRIGERANT PIPING SCHEMATIC
M-3 SCALE: NONE

DANA ROAD

WORK AREA
1/64"=1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

CONTRACT NUMBER	SHEET NUMBER
19-531	M-3

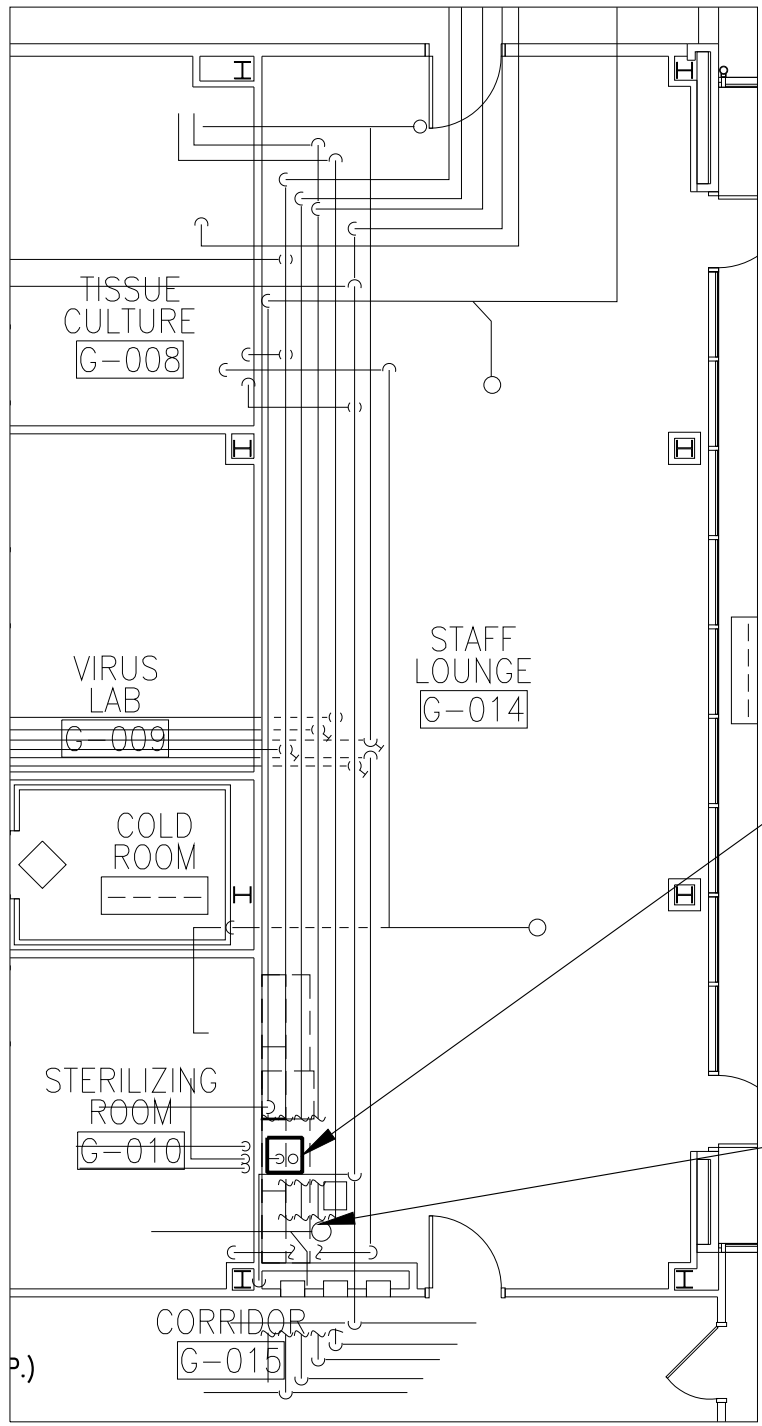
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

INFRASTRUCTURE UPGRADES
LABS AND RESEARCH
VALHALLA CAMPUS, VALHALLA, NEW YORK
CRIME VAULT SPLIT SYSTEM

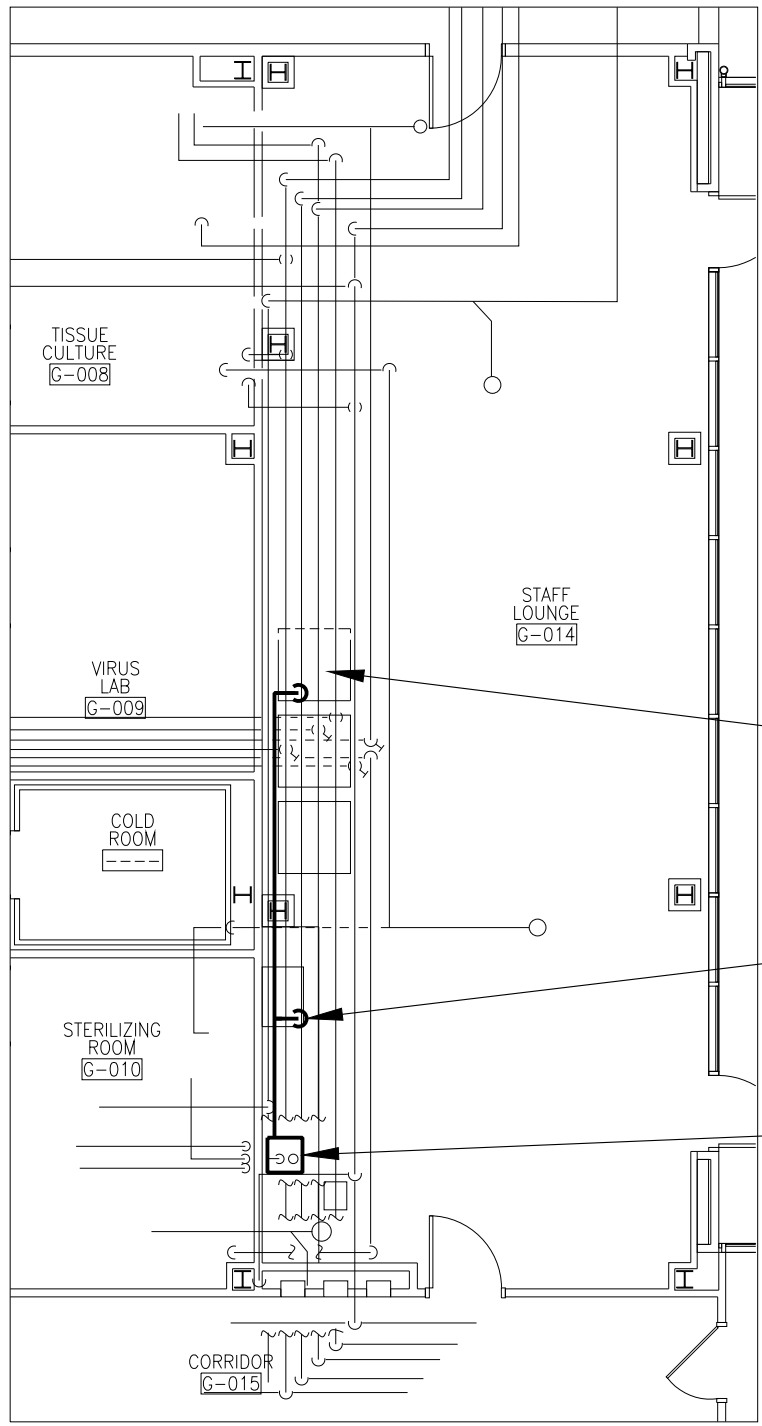
SHEET NO. 22 OF 27

SCALE: AS SHOWN
DATE: 10/28/2021

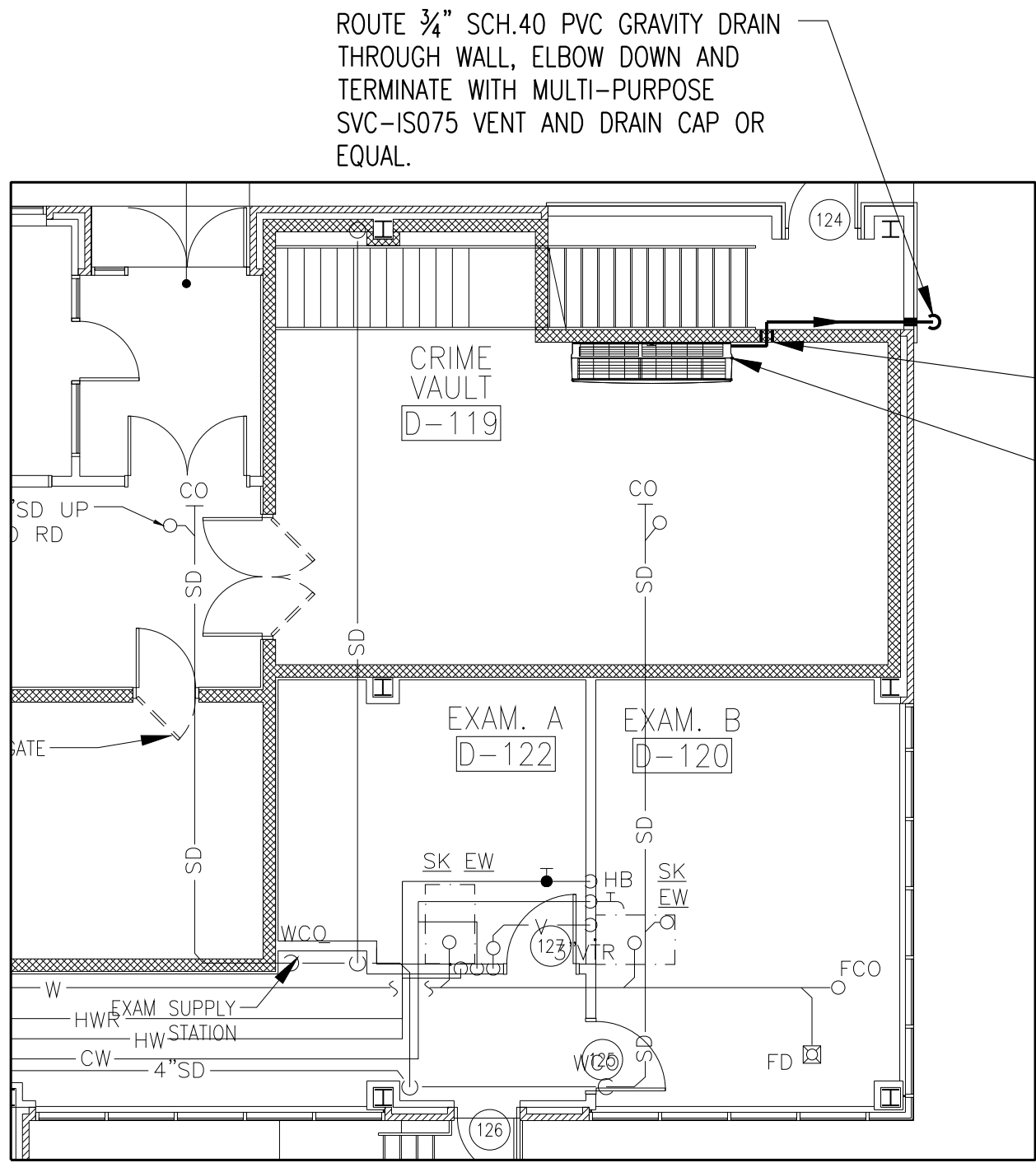
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REV. NO. 0



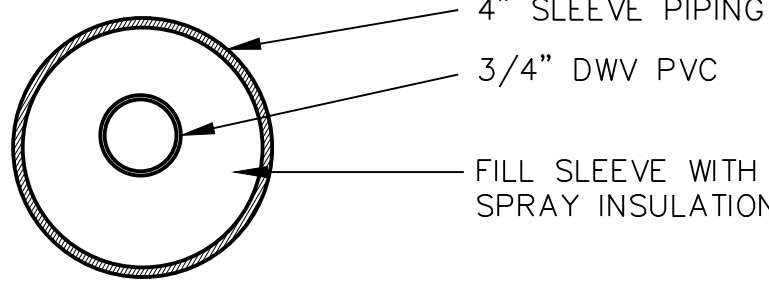
1 STAFF LOUNGE PLUMBING DEMOLITION PLAN
P-1 SCALE: 1/8"=1'-0"



2 NEW STAFF LOUNGE PLUMBING
P-1 SCALE: 1/8"=1'-0"



3 CRIME VAULT MECHANICAL PLAN
P-1 1/8"=1'-0"



4 PIPE WALL PENETRATION DETAIL
P-1 SCALE: NONE

PLUMBING EQUIPMENT & NOTES

- KITCHEN SINK:** REPLACE SINK WITH GLACIER BAY INVERNESS DROP-IN ACRYLIC 25 IN. 4-HOLE SINGLE BOWL KITCHEN SINK IN WHITE, MODEL # 22400 OR APPROVED EQUAL, INCLUDE ALL NEW MATCHING ACCESSORIES AS REQUIRED FOR COMPLETE SINK REPLACEMENT. PROVIDE NEW STAINLESS STL. BRAIDED SUPPLY AND HEAVY GAUGE TRAP.
- FAUCET:** REPLACE FAUCET WITH DELTA COLLINS SINGLE-HANDLE STANDARD KITCHEN FAUCET WITH SIDE SPRAYER IN WHITE, MODEL # 440-WH-DST
- RANGE:** SEE SHEET A-16. SEE MECHANICAL SHEETS FOR RANGE HOOD DETAILS.
- COFFEE MAKER:** SEE SHEET A-16. CONNECT TO WATER SUPPLY BENEATH SINK WITH 1/2 TURN STOP VALVE.
- REFRIDGERATOR:** SEE SHEET A-16. CONNECT TO WATER SUPPLY BENEATH SINK WITH 1/2 TURN STOP VALVE.
- WATER FILTER:** PROVIDE KEURIG OMNIPURE KQ8 (Q5484) COMPLETE FILTER KIT OR EQUAL TO SUPPLY COFFEE-MAKER. FLOW RATE: 5GPM, 1250 GALLONS OR 6 MONTHS, 125PSI MAX, 35-100F 8" x 2.5", NSF CERTIFIED TO ANSI/NSF STANDARD 42.

PLUMBING PIPING MATERIAL & NOTES

DOMESTIC WATER PIPING

- DOMESTIC WATER PIPING:** ASTM B 88, TYPES L, WATER TUBE, DRAWN TEMPER, 95-5 LEADLESS SOLDER OR PRESS FITTINGS. PRESS FITTINGS SHALL BE NIBCO OR EQUAL SUITABLE FOR USE IN PLUMBING OR MECHANICAL APPLICATIONS MAXIMUM OPERATING PRESSURE OF 300 PSI. CONTRACTOR SHALL INSURE TOOLS AND JAWS USED ARE COMPATIBLE FOR MATERIAL.
- DOMESTIC WATER PIPE INSULATION:** ARMACELL IMCOA W SS OR EQUAL. SEE BELOW FOR DIMENSIONS.
- ICE-MAKER AND COFFEE MAKER TUBING:** TUBING SHALL BE LLDPE. FITTINGS SHALL BE NSF COMPLIANT HIGH DENSITY POLYPROPYLENE. ISOLATION VALVE SHALL BE JOHN GUEST POLYPROPYLENE BALL VALVE PPSV040808W - 3/8" TUBE OD X 3/8" TUBE OD OR EQUAL.
- DUAL SHUTOFF VALVE:** PROVIDE NEW 1/2" FIP x 3/8" OD COMP X 3/8" OD COMP DUAL SHUT-OFF VALVE, LEAD FREE (CHROME) OR APPROVED EQUAL.

DOMESTIC PIPING INSULATION SCHEDULE		
PIPING	PIPE SIZE	INSULATION THICKNESS
DOMESTIC HOT WATER	UP TO 1"	3/4"
	ABOVE 1"	1"
DOMESTIC COLD WATER	UP TO 1"	1/2"
	ABOVE 1"	1/2"

WASTE AND VENT PIPING

- WASTE AND VENT:** SERVICE WT. CAST IRON WITH PUSH-ON RUBBER GASKETS OR NO-HUB PIPE WITH HUSKY HEAVY COUPLINGS FOR ABOVE GRADE PIPING.

CONDENSATE DRAIN PIPING

- PVC VENT/DRAIN CAP WITH INSECT SCREEN:** 3/4" PVC PIPE MULTI-PURPOSE SVC-IS075 VENT AND DRAIN CAP OR EQUAL; 18 X 18 MESH 316 STAINLESS STEEL INSECT SCREEN; CEMENT WELD.

TESTNG NOTES

- ALL NEW PIPING:** CONTRACTOR SHALL PRESSURE TEST NEW WORK FOR LEAKS, PATCH WHERE LEAKS ARE FOUND AND DISINFECT NEW PIPING SYSTEM PRIOR TO CONNECTING TO DISTRIBUTION WATER SUPPLY. PROVIDE REQUIRED VALVES FOR TESTING.

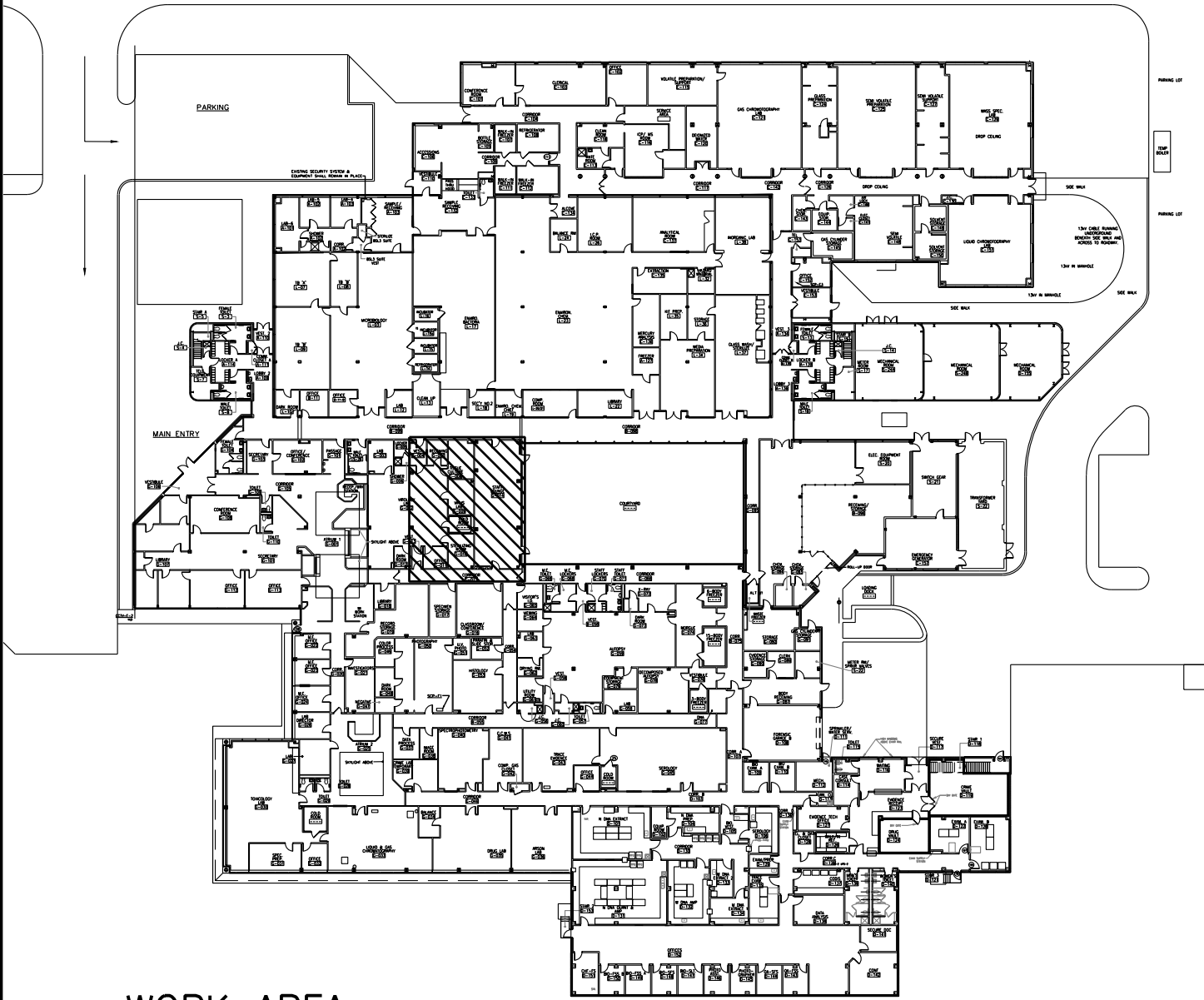
GENERAL NOTES

- SAFETY:** CONTRACTOR IS RESPONSIBLE TO PROVIDE FOR THE SAFETY OF ITS WORKERS, AND THE PUBLIC AS PER ALL LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
- GENERAL PROVISIONS:** THE CONTRACTOR SHALL PROVIDE ALL PLUMBING EQUIPMENT, PIPING, VALVES, AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION, INCLUDING HOT WATER AND COLD WATER ISOLATION VALVES FOR EACH PIECE OF EQUIPMENT OR FIXTURE.
- DEMOLITION:** REMOVE ABANDONED PIPING BACK TO MAIN OR RISER AND CAP. CAPPING AND PLUGGING OF PIPING SHALL BE DONE USING THE SAME MATERIAL AS THE PIPING. ALL DEMOLITION AND CONSTRUCTION MATERIAL DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- FIELD COORDINATING EXACT LOCATIONS:** DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. EXACT LOCATIONS OF PIPING IN FLOORS, WALLS, CEILINGS, AND CHASES SHALL BE COORDINATED WITH THE EXISTING CONDITIONS IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE AND LOCATION OF ALL EXISTING PIPING IN FIELD BEFORE SUBMITTING SHOP DRAWINGS OR COMMENCING WORK.
- COMPLIANCE:** ALL REGULATIONS, RULES, ETC., OF ALL STATE, COUNTY AND LOCAL GOVERNMENTS, AND ALL UTILITY AGENCIES SHALL BE FOLLOWED BY THE CONTRACTOR. ALL PLUMBING WORK SHALL BE DONE IN COMPLIANCE WITH NFPA, THE N.Y. STATE AND THE LOCAL PLUMBING CODES.
- LICENSES:** ALL WORK ON DOMESTIC AND GAS PIPING SYSTEM SHALL BE BY PLUMBER LICENSED IN WESTCHESTER COUNTY. A COPY OF ALL LICENSES SHALL BE SUBMITTED TO OWNER AND ALL FEES PAID.
- OTHER TRADES:** THIS WORK WILL BE BID CONCURRENTLY WITH ANOTHER CONTRACT. COORDINATE WITH WORK OF OTHER TRADES. VERIFY ELEVATIONS OF NEW PIPING PRIOR TO INSTALLATION. NOTIFY ENGINEER IMMEDIATELY IF ANY POSSIBLE CONFLICTS COULD OCCUR.
- HANGERS AND SUPPORTS:** PROVIDE SUFFICIENT CLEVIS TYPE HANGERS, SUPPORTS, RODS, BRACES, ETC. BY DATEY OR EQUAL TO PROPERLY SUPPORT PIPING, INSTALL HANGERS OVER INSULATION.
- PENETRATIONS -** PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.

IN CHARGE OF JAI PUNNOOSE, P.E.
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY VINCENT LEONE, P.E.

PLUMBING LEGEND		
SYMBOL	ABBREV.	DESCRIPTION
	S,W	SANITARY, WASTE PIPING BELOW FLOOR
	V	VENT PIPING
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
		EXISTING PIPING
	C.T.E.	CONNECT TO EXISTING
		FLOW ARROW
		DROP
	BA	SHUT-OFF VALVE
		BREAK
		RISER
	CO	CLEANOUT
	CODP	CLEANOUT DECK PLATE
	FD/RD	FLOOR DRAIN/ROOF DRAIN
	ETR	EXISTING TO REMAIN
	VIF	VERIFY IN FIELD
	IW	INDIRECT WASTE
	CV	CHECK VALVE

WORK AREA
1/64"=1'-0"



REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	DATE	TITLE	DATE	DATE
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER	
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		19-531	P-1	
DIVISION OF ENGINEERING		SHEET NO. 23 OF 27		
INFRASTRUCTURE UPGRADES		SCALE: AS SHOWN	DATE: 10/28/2021	
LABS AND RESEARCH		DPW FILE NO.	REV. NO.	
VALHALLA CAMPUS, VALHALLA, NEW YORK		38-54-P-780	0	
PLUMBING PART PLANS				

NOTES: SPLIT AC UNITS

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH EXISTING FIELD CONDITIONS.
2. CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCHES, RECEPTACLES, BRANCH CIRCUITRY, AND CONDUITS.
3. CONTRACTOR SHALL FURNISH AND INSTALL (1) 240 VOLT, 2-POLE, 30 AMP CIRCUIT BREAKER AND (1) 120 VOLT, 1-POLE, 20 AMP CIRCUIT BREAKER IN THE EXISTING RP-2 PANEL. (30 AMP BREAKER AC CONDENSER), (20 AMP BREAKER FOR GFI RECEPTACLE).
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING BETWEEN AC CONDENSER AND INDOOR AIR HANDLER.
5. ALL BRANCH CIRCUITRY SHALL BE RUN ABOVE ALL DROP CEILINGS AND DOWN HOLLOW WALLS.
6. ALL INTERIOR CONDUIT SHALL BE EMT CONDUIT AND EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL CONDUIT.
7. CONTRACTOR SHALL PERFORM ALL DRILLING, CUTTING, AND PATCHING.
8. ALL PENETRATIONS THRU FIRE RATED WALLS SHALL BE SLEEVED, ALL PENETRATIONS SHALL BE SEALED WITH FIRED COMPOUND. SUCH AS MANUFACTURED BY 3M OR NELSON.
9. ALL WORK SHALL COMPLY WITH 2020 NEC.

SYMBOLS LIST

- ⊙

20 AMP SIMPLEX RECEPTACLE.
- ⊙

20 AMP DUPLEX RECEPTACLE.
- ⊙_S

20 AMP SURGE SUPPRESSION DUPLEX RECEPTACLE.
- ⊙_{GFI}

20 AMP GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE.
- S₃

NEW 20A, 3-WAY 125/277 VAC, TOGGLE SWITCH ASSEMBLY.
- SURFACE METAL RACEWAY, BOX AND COVER. EXTEND TO ABOVE DROP CEILING. (WIREMOLD #V700) E INDICATES EXISTING.
- ⊞

DIVIDED POWER POLE FOR POWER AND DATA/TELEPHONE.
- ▮

1X4 LIGHTING EXISTING.
- ⎓

BRANCH CIRCUITRY. # OF TICKS INDICATES # OF CONDUCTORS. #12 AWG MINIMUM.
- ⎓→

BRANCH CIRCUIT HOMERUN. #OF ARROW HEADS INDICATES # OF SEPARATE HOMERUNS. # OF TICKS INDICATES # OF CONDUCTORS. #12 AWG MINIMUM.
- ⎓⎓

TO EXISTING CIRCUIT.
- LP-1A

EXISTING POWER PANEL. 208/120 VOLT, 3P, 4W.
- NON-FUSED DISCONNECT SWITCH.
- ⊞

30 AMP 240V A-CONTROL DISCONNECT SWITCH NEMA TYPE1 (MITSUBISHI ELECTRIC #TAZ-MS303)
- ▽

DATA OUTLET ASSEMBLY. 1-GANG BOX, 6-PORT FACEPLATE WITH (6) RJ-45 JACKS.
- ↗D

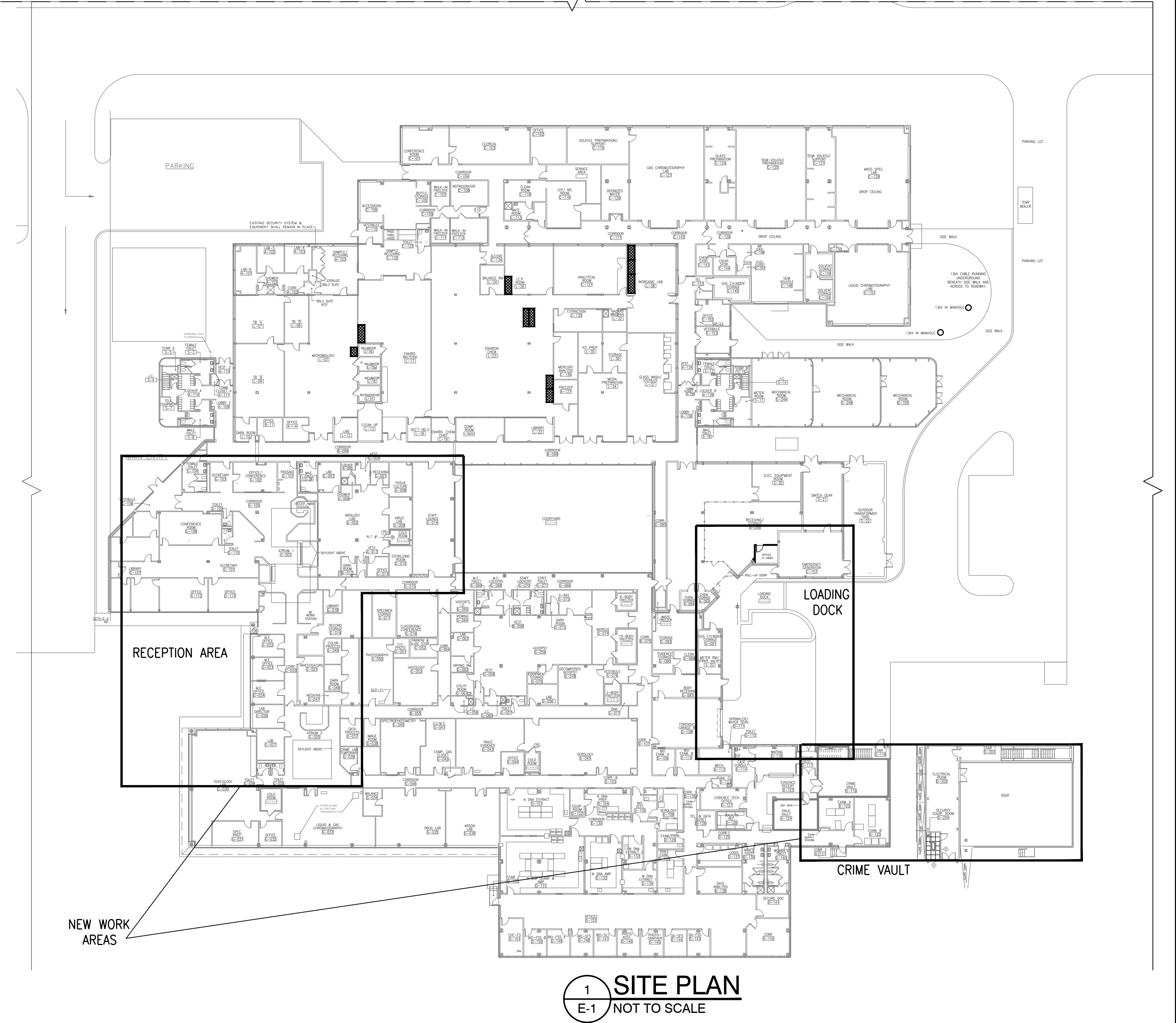
CLEAR ARROW INDICATES DATA CABLE HOMERUN, AND SOLID OF 'D' INDICATES # OF SEPARATE DATA CABLE HOMERUNS.
- ⓈE

EXISTING SMOKE DETECTOR.
- ⓈN

ADDRESSABLE INTELLIGENT OPTICAL SMOKE DETECTOR. EDWARDS: #SIGA-PD DETECTOR. EDWARDS: #SIGA-SB BASE.

FIRE ALARM NOTES:

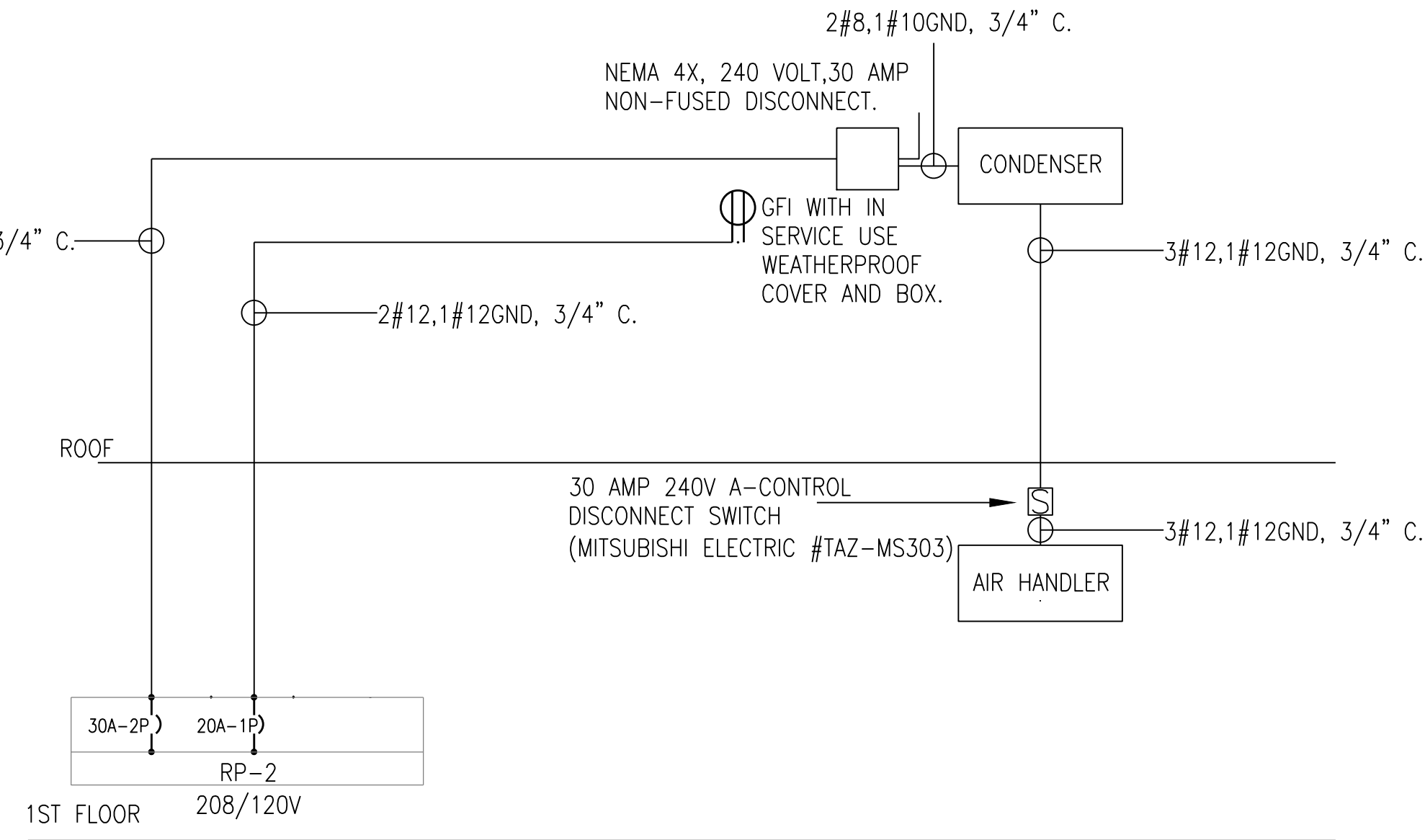
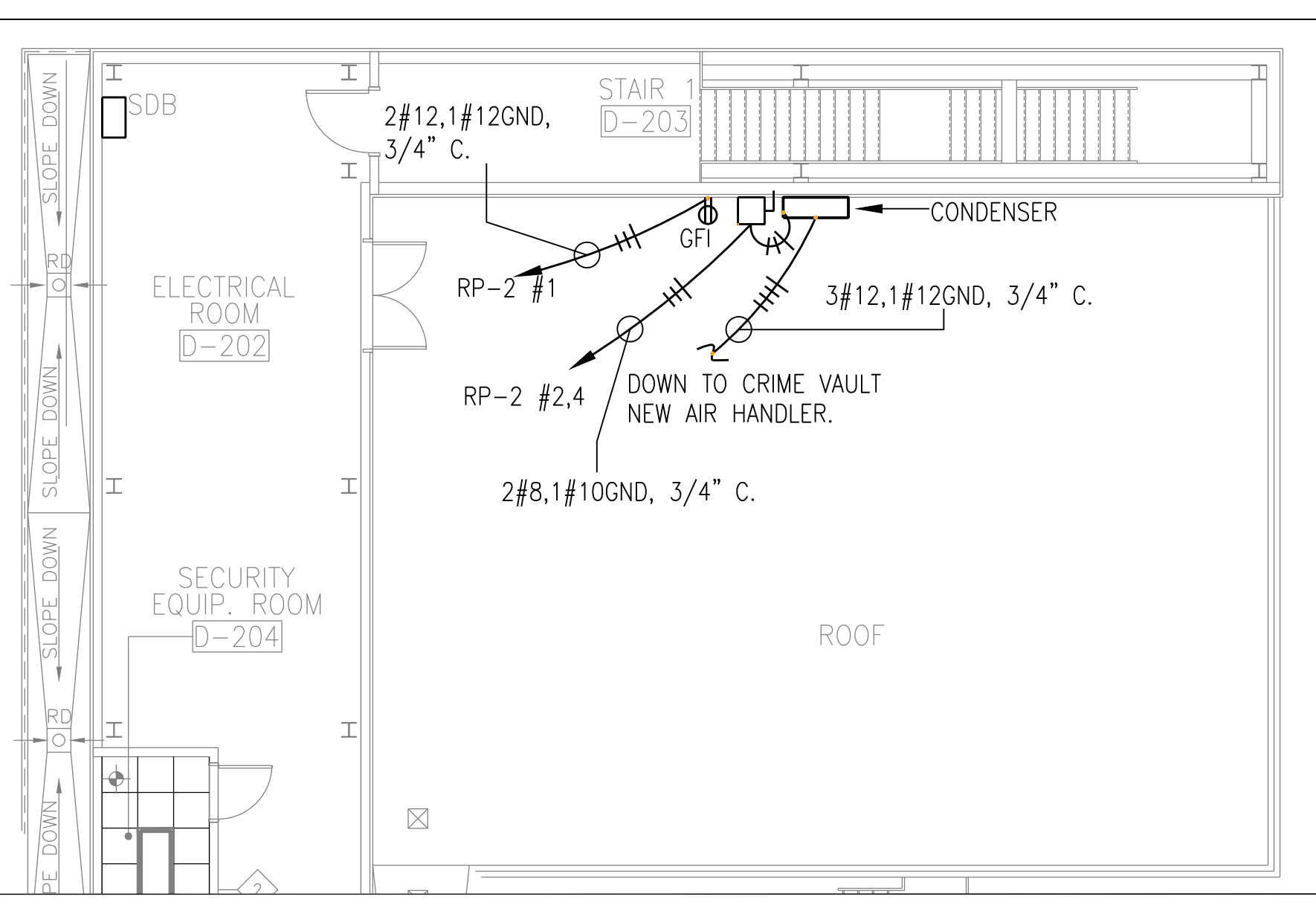
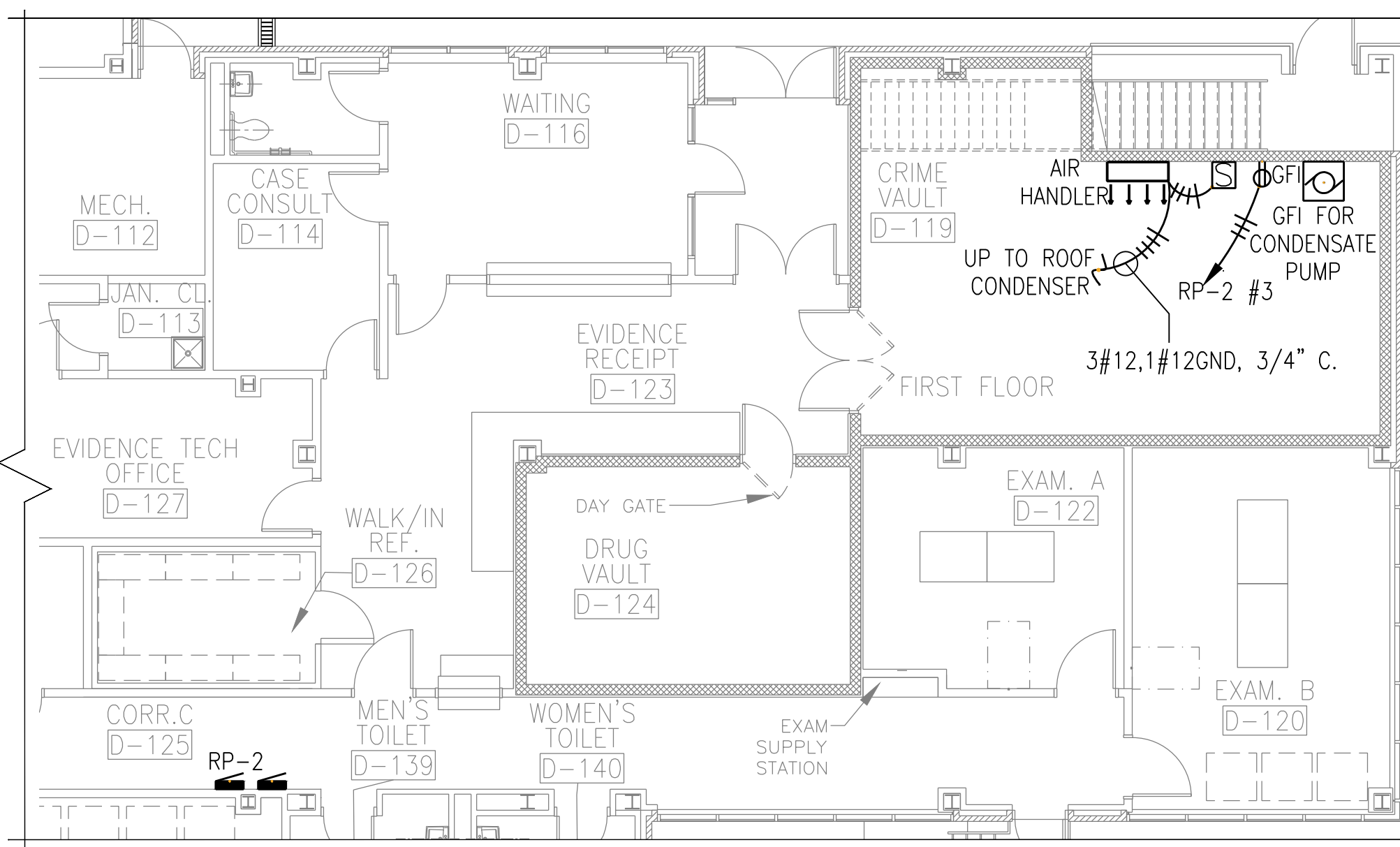
1. CONTRACTOR SHALL COORDINATE WITH THE COUNTY WIDE FIRE ALARM SERVICE CONTRACTOR OPEN SYSTEMS METRO INC, MIKE TIANO, (914)241-0057.) REGARDING ANY WORK INVOLVING THE EXISTING FIRE ALARM SYSTEM, INCLUDING ANY REMOVALS, RELOCATING AND/OR INSTALLATION OF ANY FIRE ALARM DEVICES. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN HIS BASE BID.
2. CONTRACTOR SHALL PERFORM ALL REPROGRAMMING, STARTUP, AND TESTING OF FIRE ALARM SYSTEM AFTER INSTALLATIONS OF NEW DEVICES ARE COMPLETE.



SCHEDULE OF LUMINAIRES											
SYMBOL	MOUNTING	VOLT	LAMPS		DIMENSIONS			CONSTRUCTION	LOUVER/REFLECTOR/DIFFUSER	REMARKS	MANUFACTURER
			#	TYPE	WATT	L	W				
	RECESSED 'LAY-IN' IN EXPOSED GRID	120	LED	39	24"	24"	5/8"	MULTI STAGE PHOSPHATE TREATED FOR CORROSION. DEEP CELL LOUVERS TO PREVENT GLARE.	EDGE-LIT PMMA LIGHT PANEL	5 YEAR WARRANTY. UL LISTED 50,000 HOURS OF AT LEAST 70% INITIAL LUMEN OUTPUT. 0-10 VOLT DIMMING	H.E.WILLIAMS LIGHTING MODEL #LP-22-L40/840-DIM-UNV 4155 LUMENS, 4000K
	SURFACE MOUNTED	120	LED	60	11"	15"	2"	SLIM LOW PROFILE. HOUSING IS RUGGED CAST ALUMINUM WITH INTEGRAL HEAT SINK. E-COAT EPOXY PRIMER ULTRA DURABLE POWDER COAT	FLAT LENS 0.125 TEMPERED SOLITE GLASS.	10 YEAR WARRANTY. UL LISTED 100,000 HOURS OF UP TO 90% INITIAL LUMEN OUTPUT.	CREE LIGHTING MODEL #CPY250-B-DM-F-A-UL-57K-WH OPTION OSD-DA-BZ 7720 LUMENS, 5700K

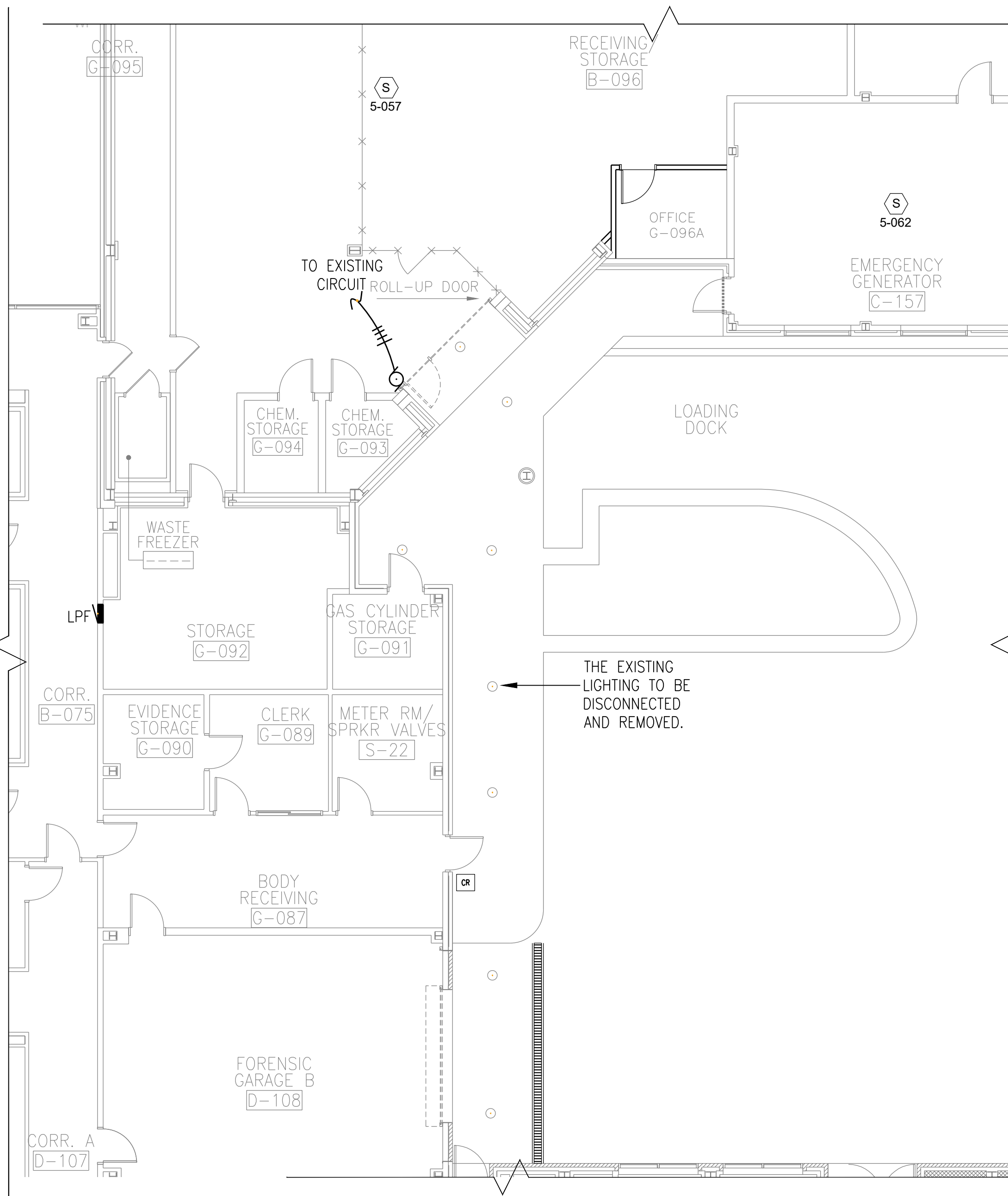
IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY MICHAEL DEFONCE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED				
☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME	SIGNATURE			NAME
DATE			DATE	
TITLE			TITLE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 19-531 SHEET NUMBER E-1
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK NOTES AND SYMBOLS FOR ELECTRICAL, DATA AND LIGHTING				SCALE: AS SHOWN DATE: 10/28/21 DPW FILE NO. 35-54-E-781 REV. NO. 0

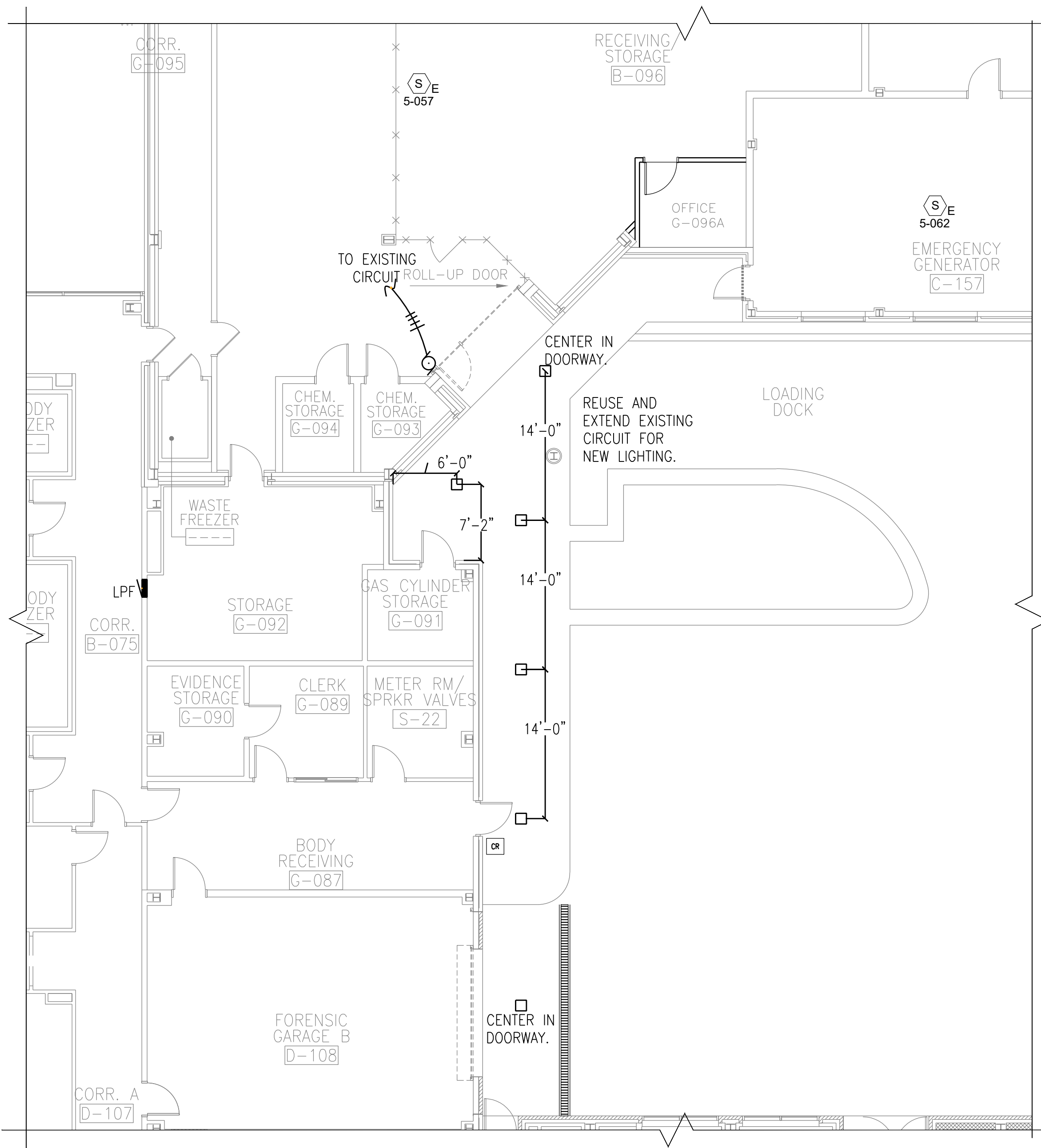


1 CRIME VAULT SPLIT AC
E-2 SCALE: 1/8"=1'-0"

4 CRIME VAULT SPLIT AC RISER DIAGRAM
E-2 NOT TO SCALE



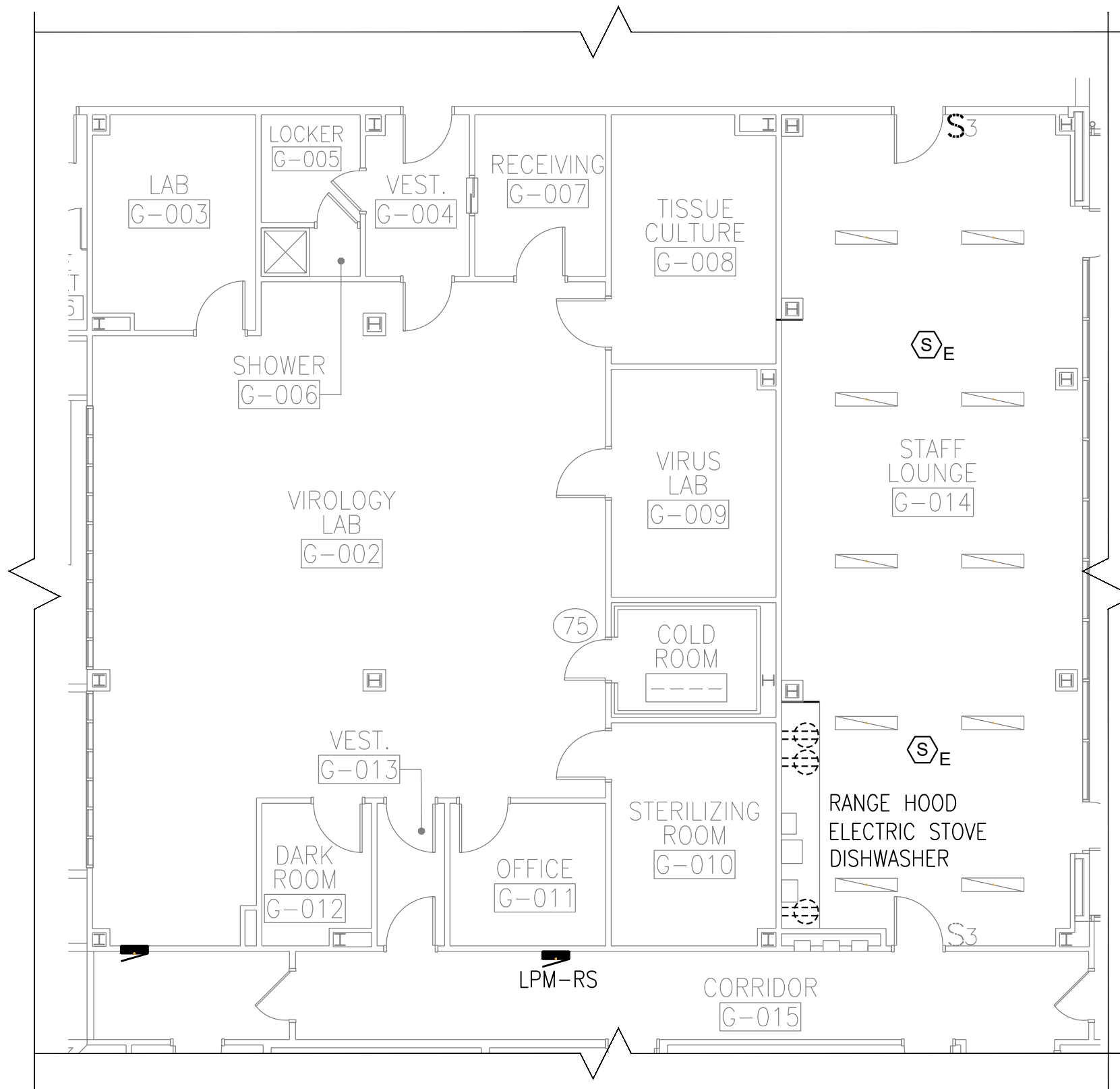
2 LOADING DOCK ELECTRICAL
E-2 SCALE: 1/8"=1'-0" EXISTING



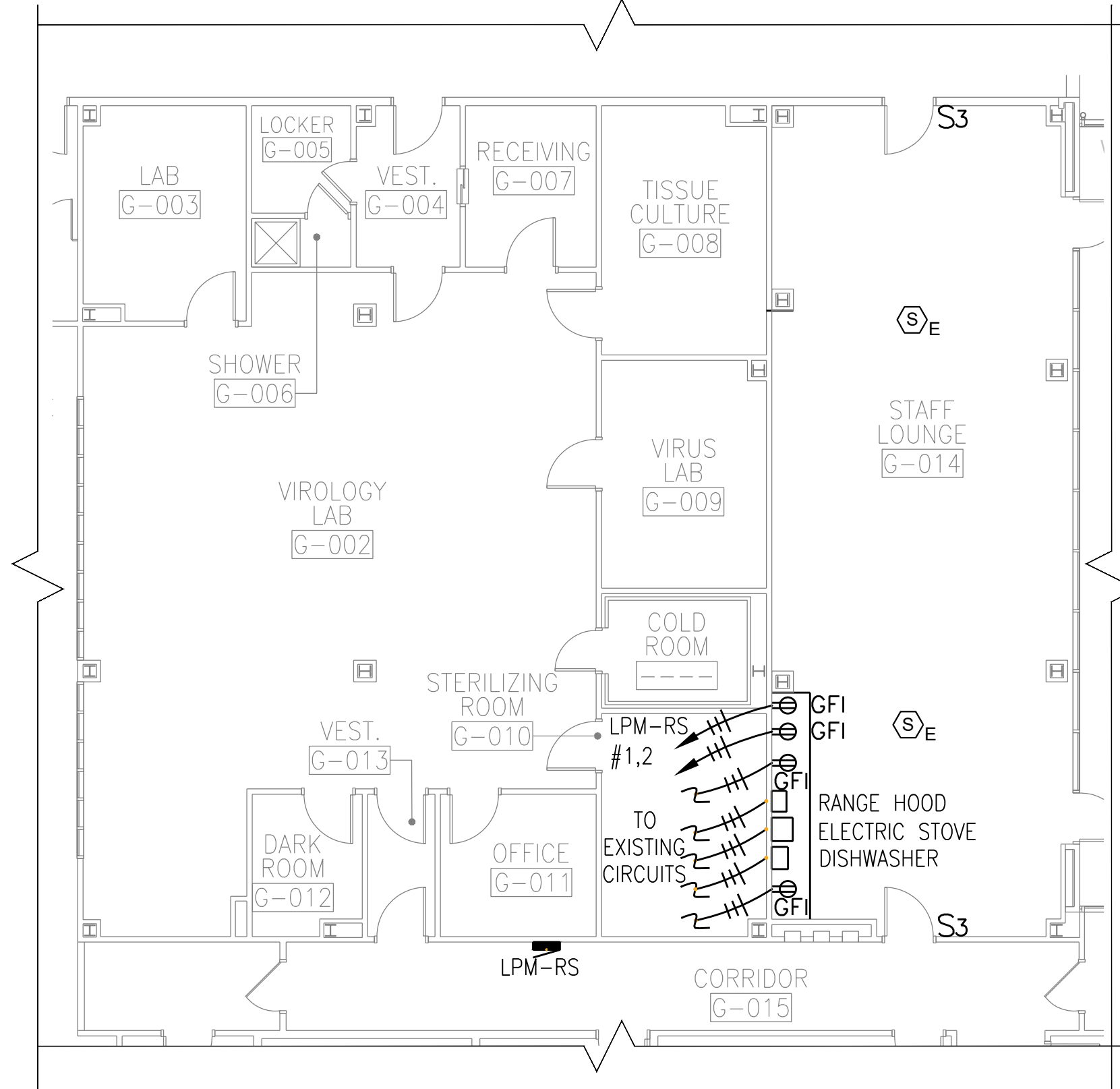
3 LOADING DOCK ELECTRICAL
E-2 SCALE: 1/8"=1'-0" NEW LIGHTING AND ELECTRICAL

IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY MICHAEL DEFONCE

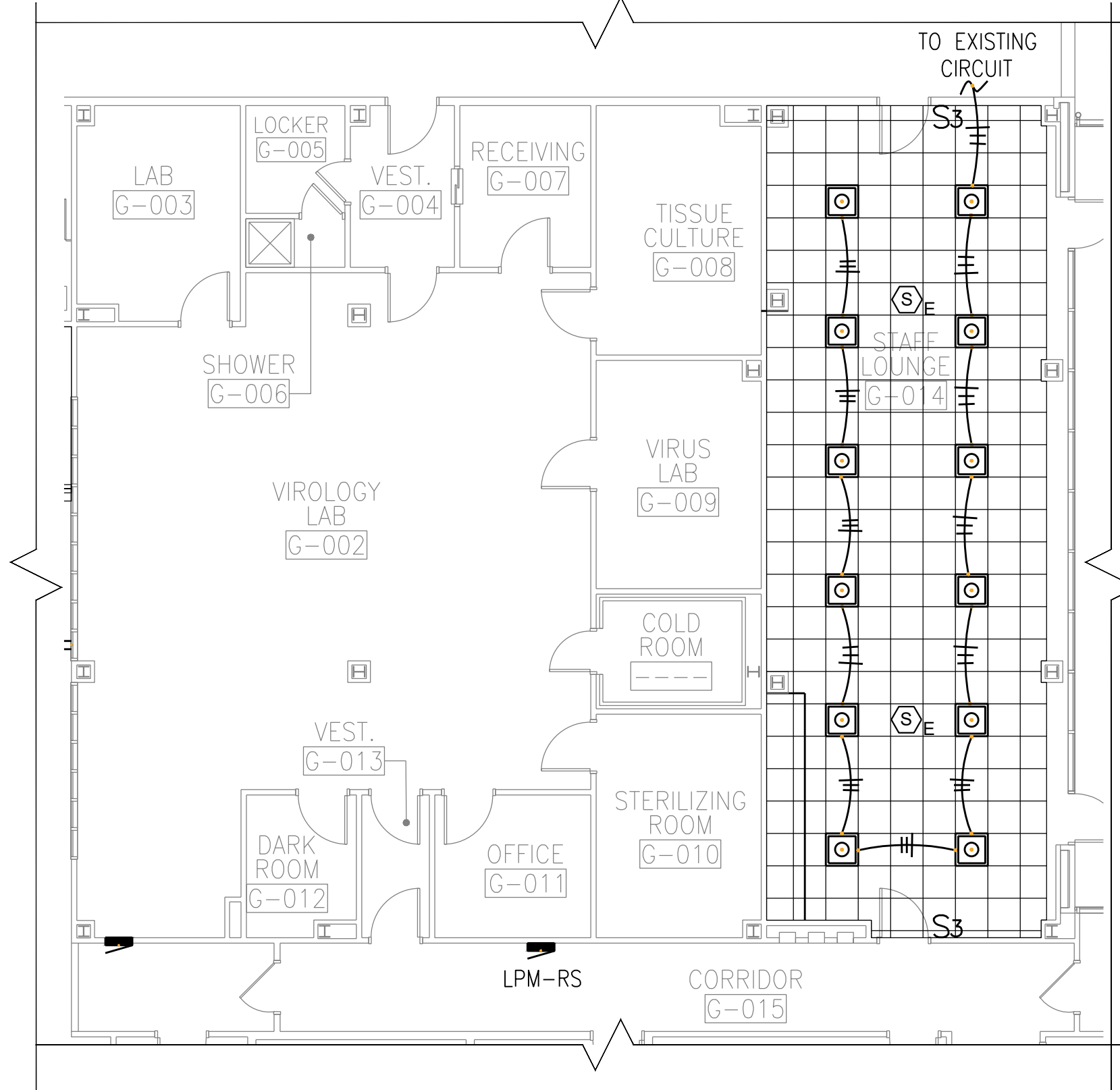
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED ☐ AS BUILT - NO CHANGES				
NAME SIGNATURE TITLE		CONTRACTOR NAME SIGNATURE DATE		
NAME SIGNATURE TITLE		PROJECT COORDINATOR NAME SIGNATURE DATE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 19-531	SHEET NUMBER E-2	SHEET NO. 25 OF 27
INFRASTRUCTURE UPGRADES LABS AND RESEARCH VALHALLA CAMPUS, VALHALLA, NEW YORK CRIME VAULT SPLIT AC AND LOADING DOCK ELECTRICAL		SCALE: AS SHOWN DATE: 10/28/21	DPW FILE NO. 35-54-E-782	REV. NO. 0



1 EXISTING STAFF LOUNGE ELECTRIC AND LIGHTING
E-3 SCALE: 1/8"=1'-0"



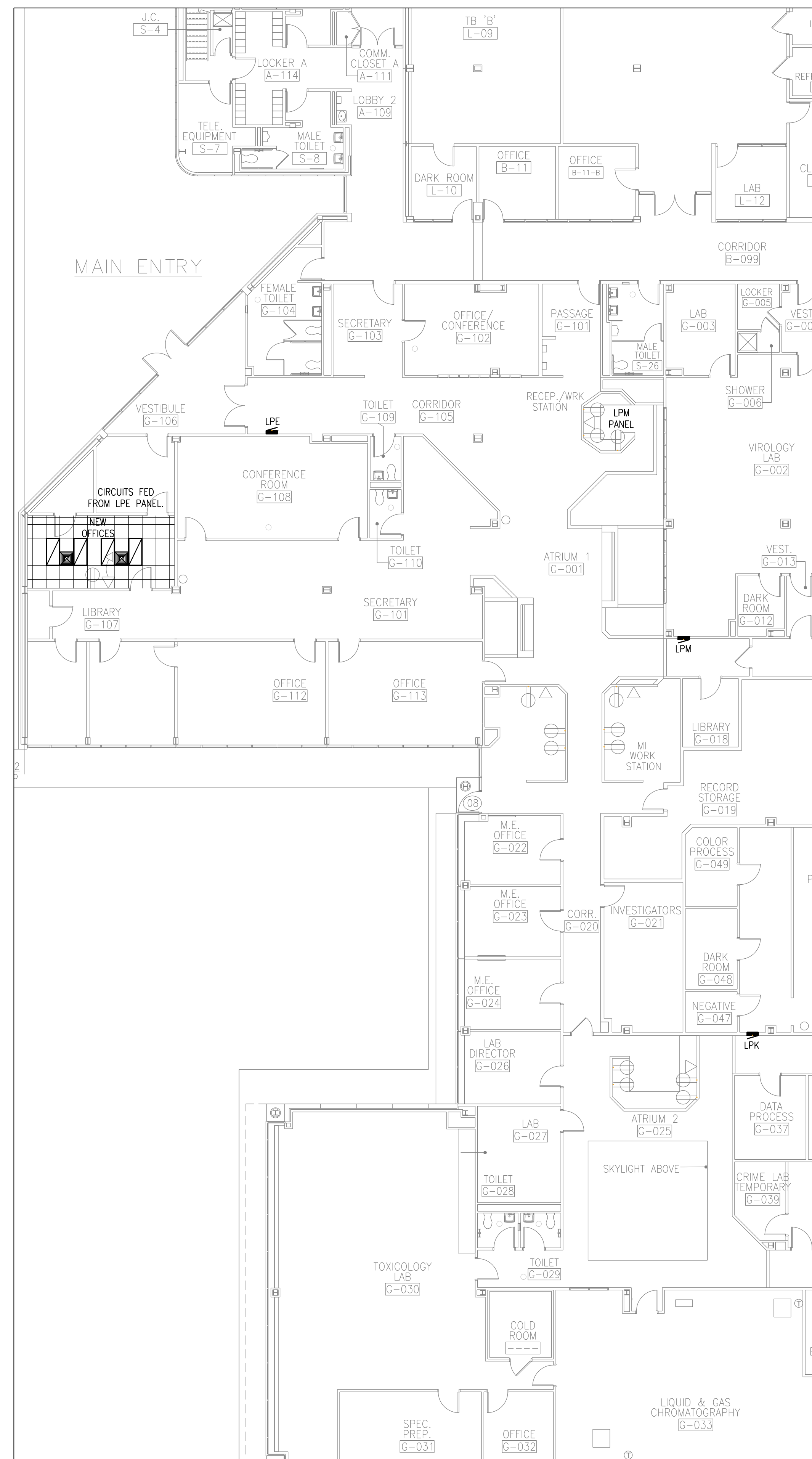
2 NEW STAFF LOUNGE ELECTRIC
E-3 SCALE: 1/8"=1'-0"



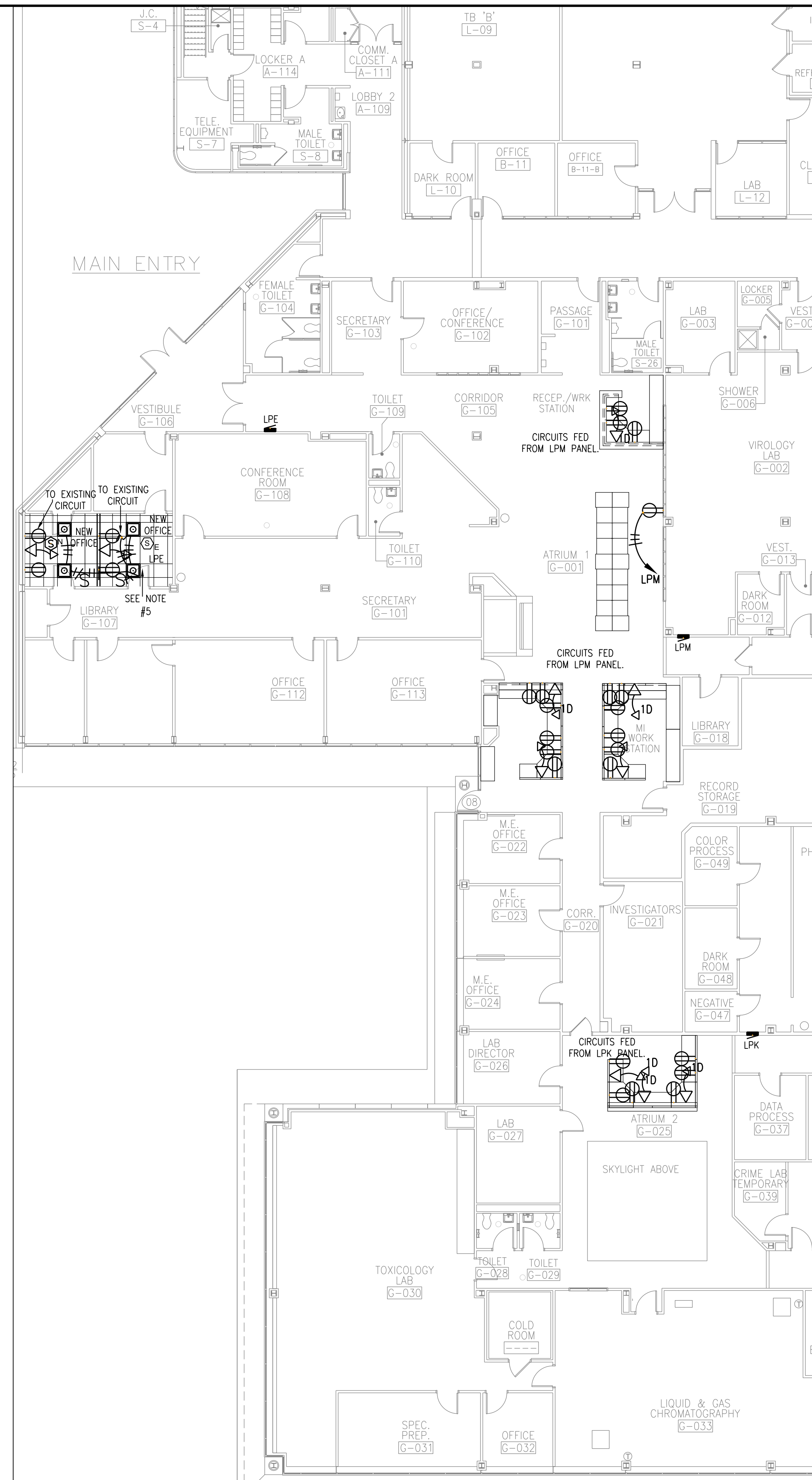
3 NEW STAFF LOUNGE LIGHTING
E-3 SCALE: 1/8"=1'-0"

IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY MICHAEL DEFONCE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
☐ AS BUILT - CHANGES AS NOTED				
☐ AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
TITLE _____			TITLE _____	
DATE _____			DATE _____	
WESTCHESTER COUNTY, NEW YORK				
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				
DIVISION OF ENGINEERING				
INFRASTRUCTURE UPGRADES			CONTRACT NUMBER	SHEET NUMBER
LABS AND RESEARCH			19-531	E-3
VALHALLA CAMPUS, VALHALLA, NEW YORK			SHEET NO. 26 OF 27	
STAFF LOUNGE ELECTRICAL AND LIGHTING			SCALE: AS SHOWN	
			DATE: 10/28/21	
			DPW FILE NO.	REV. NO.
			35-54-E-783	0



IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY MICHAEL DEFONCE



NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL NEW POWER/BRANCH CIRCUITS, SWITCHES, FIRE ALARM DEVICES AND DATA/DATA CABLING. AS SHOWN ON CONTRACT DRAWINGS.
2. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING POWER AND DATA FROM THE EXISTING WORKSTATIONS THAT ARE TO BE REPLACED AND REINSTALL POWER AND DATA TO NEW WORKSTATIONS. CONTRACTOR SHALL FURNISH AND INSTALL NEW CAT 6 CABLES SHOULD THEY NOT BE CAT 6 CABLES.
3. CONTRACTOR SHALL CONTACT COUNTY IT DEPARTMENT PRIOR TO RUNNING NEW DATA CABLES.
4. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHTING IN THE NEW OFFICE SPACE AND REPLACE WITH LED LIGHTING AND SWITCHING AS SHOWN ON CONTRACT DRAWINGS.
5. CONTRACTOR SHALL DISCONNECT AND REMOVE/RELOCATE EXISTING DATA, POWER, LIGHT SWITCHES, AND FIRE ALARM DEVICES NEEDED TO ADD A NEW DOORWAY AND NEW FURNITURE TO NEW OFFICE SPACE. SHOULD ADDITIONAL POWER OR DATA BE NEEDED CONTRACTOR SHALL FURNISH AND INSTALL THE ADDITIONAL POWER AND DATA.
6. CONTRACTOR SHALL TRACE OUT AND LABEL ALL CIRCUITS PERFORMING WORK ON.