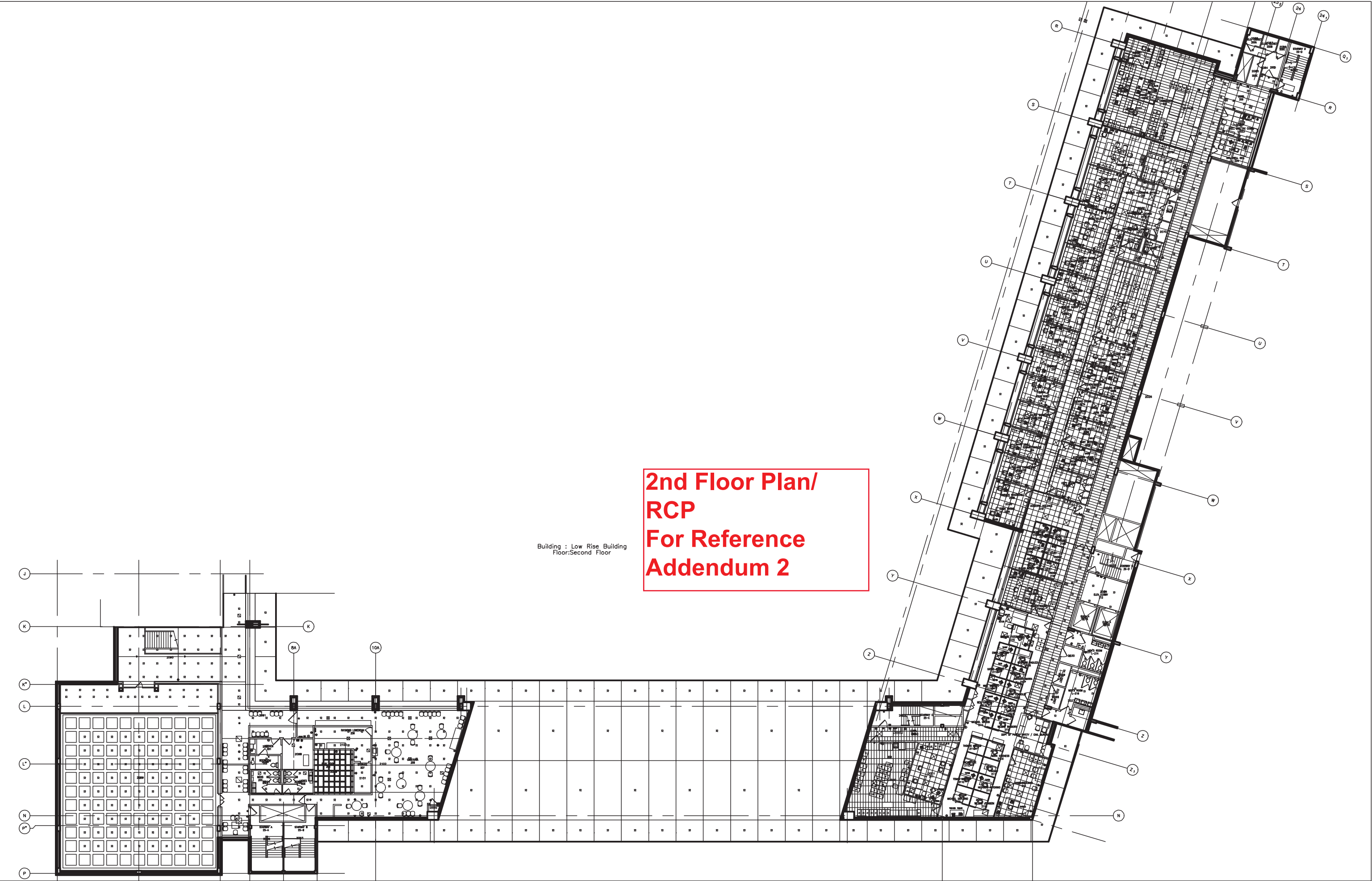
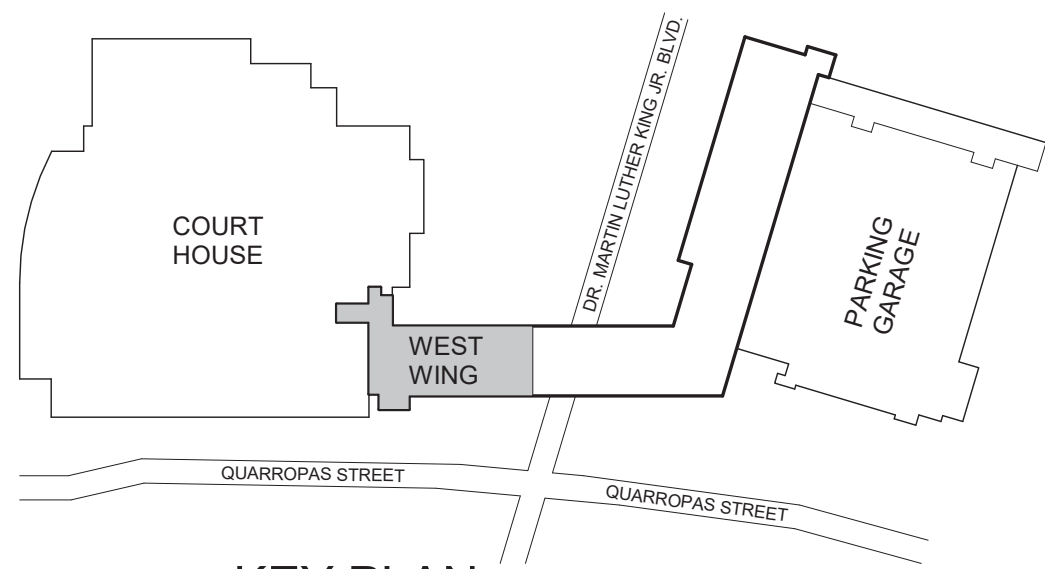


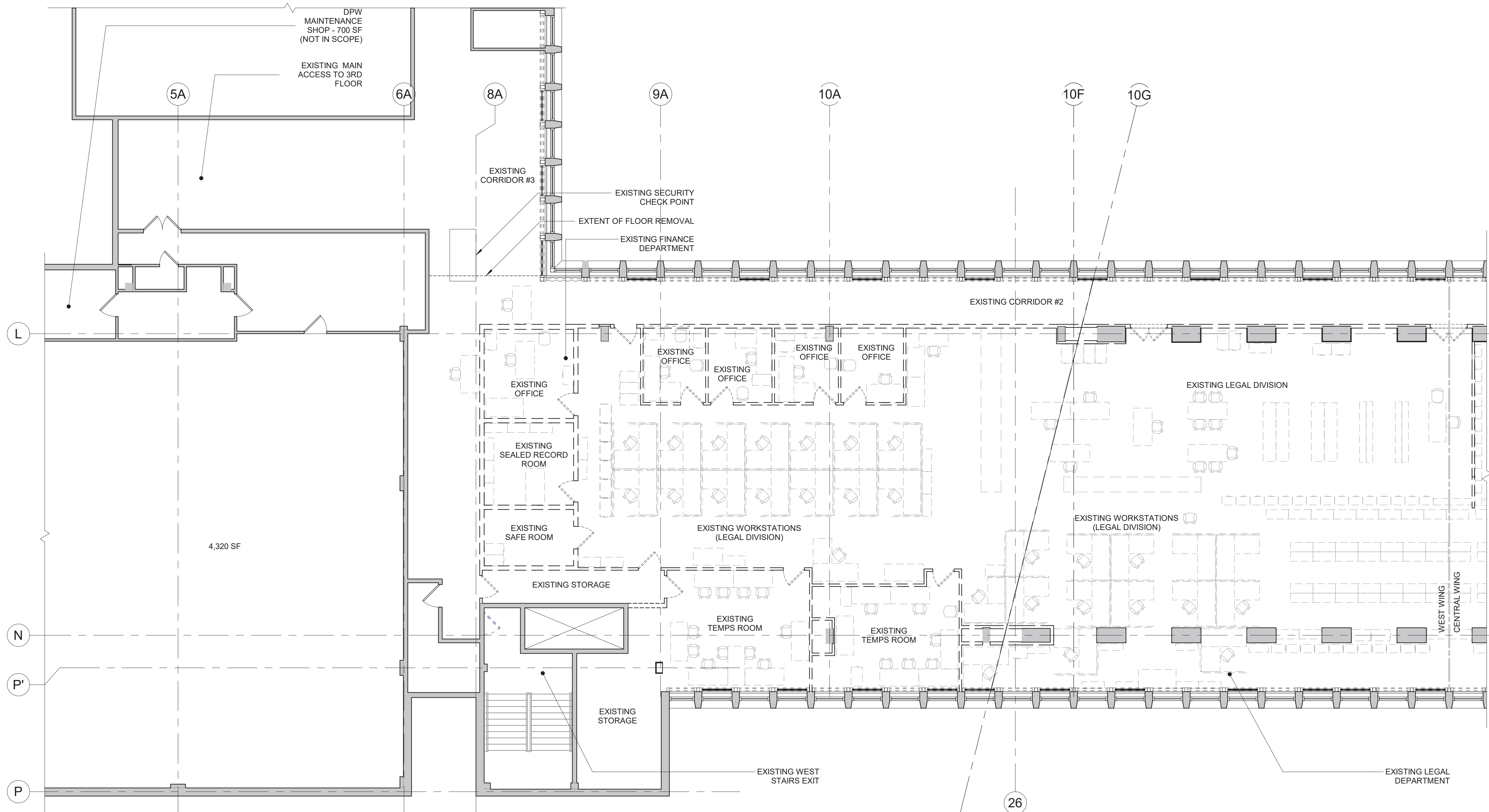
1 ELECTRIC BASEBOARD DETAIL
DSK-M-01 NTS

PROJECT	PROJECT No.	DATE
110 MARTIN LUTHER KING	19020	06/22/2021
TITLE	SCALE	DRAWING No.
ELECTRIC BASEBOARD DETAIL	NTS	DSK-M-01





K KEY PLAN
N.T.S.



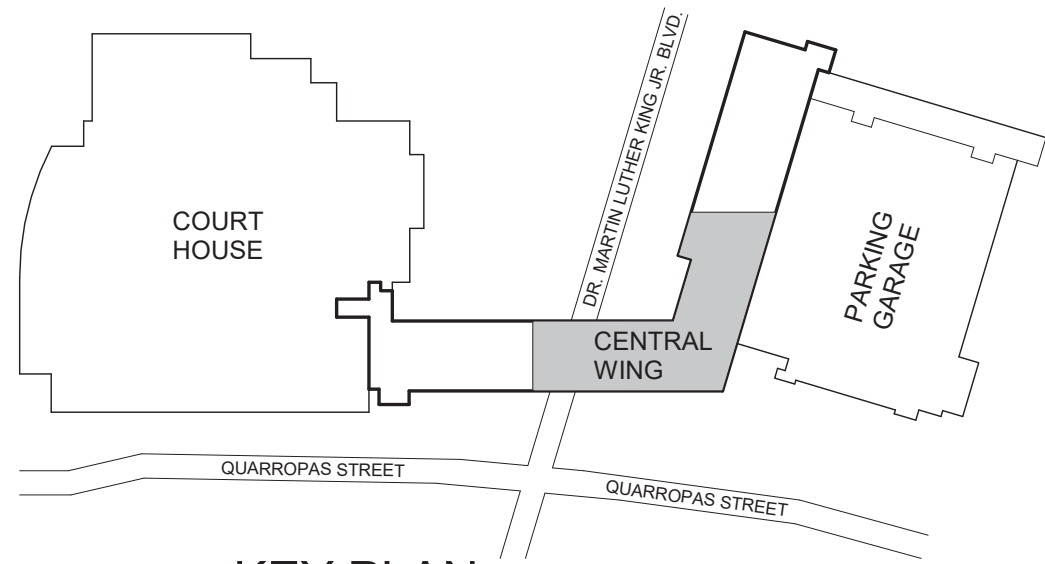
1 DEMO PLAN - 3RD FLOOR WEST WING
1/8" = 1'-0"

DEMOLITION PLAN LEGEND	
SYMBOL	DESCRIPTION
	EXIST. WALL/ PARTITION TO REMAIN
	EXISTING COLUMN TO REMAIN
	EXISTING WALL / PARTITION TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR FRAME TO BE REMOVED
	EXISTING SINK, FAUCET, COUNTER, AND CABINETS TO BE REMOVED
	EXISTING FAN COIL UNITS COVERS AT EXTERIOR WALLS TO REMAIN. PREPARE AND PAINT AFTER COMPLETION OF NEW FAN COIL INSTALLATION

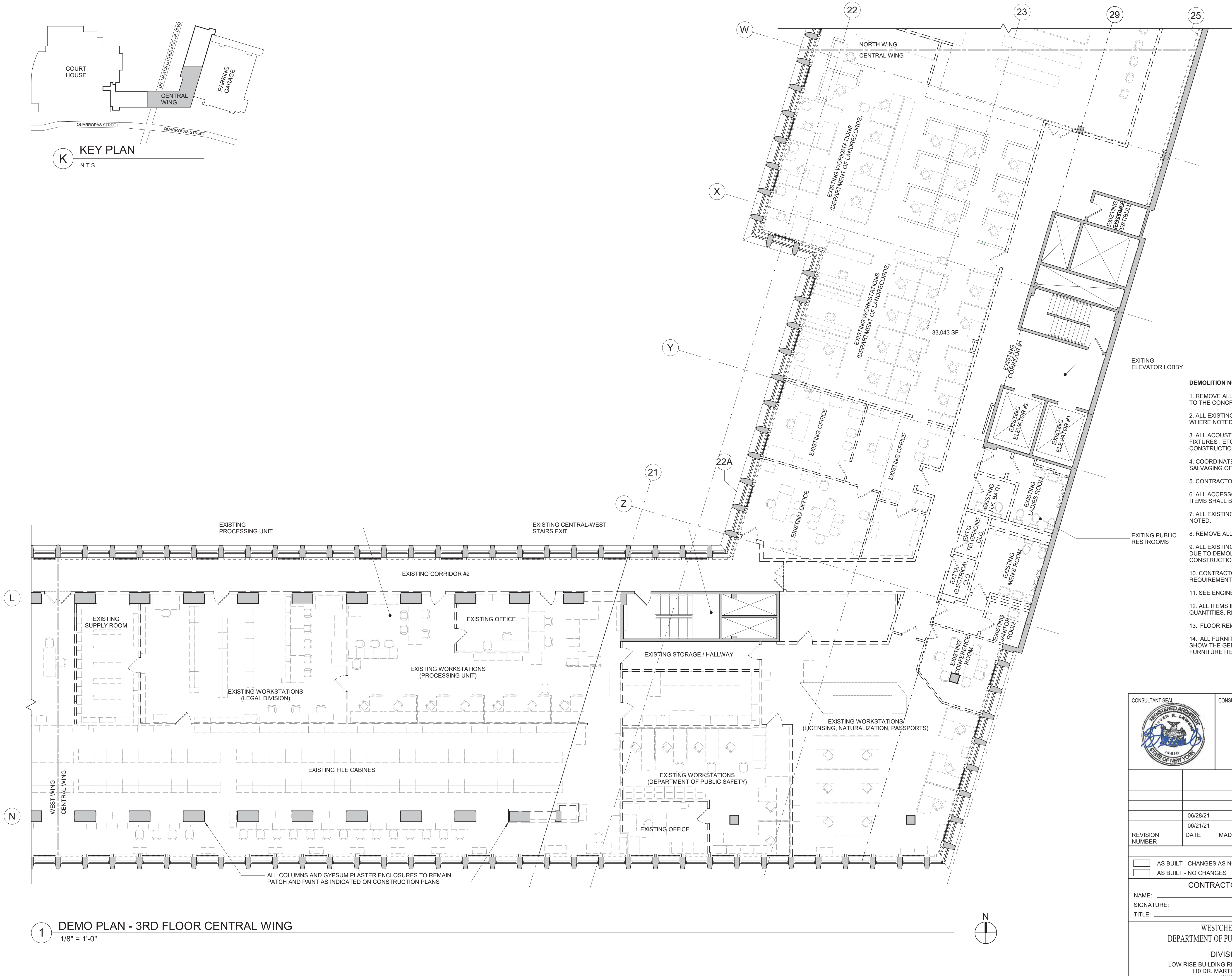
- DEMOLITION NOTES:**
1. REMOVE ALL FLOOR FINISHES AND ALL EXISTING WALL BASES IN AREA OF WORK, DOWN TO THE CONCRETE FLOOR.
 2. ALL EXISTING EQUIPMENT, CASEWORK, COUNTERTOPS, ETC. TO BE REMOVED EXCEPT WHERE NOTED FOR RELOCATION.
 3. ALL ACOUSTIC TILE CEILING, LIGHT FIXTURES, SPEAKERS, ELECTRICAL DEVICES, PLUMBING, FIXTURES, ETC. TO BE REMOVED. ALSO REMOVE ALL RELATED ACCESSORIES AND SUPPORTING CONSTRUCTION.
 4. COORDINATE DISPOSAL OF FURNITURE AND EQUIPMENT WITH WCDPW FOR POSSIBLE SALVAGING OF USEFUL ITEMS.
 5. CONTRACTOR TO TURN OVER ALL EXISTING DOOR HARDWARE TO WCDPW.
 6. ALL ACCESSORY CONSTRUCTION, BLOCKING, CLIPS, TRIM-WORK, AND ALL MISCELLANEOUS ITEMS SHALL BE REMOVED.
 7. ALL EXISTING CONDUITS, WIREMOLD AND ELECTRICAL OUTLETS TO BE REMOVED OR AS NOTED.
 8. REMOVE ALL SURFACE MOUNTED OUTLETS, DEVICE, ETC.
 9. ALL EXISTING WALLS, PARTITIONS, FLOORS, AND CEILINGS TO REMAIN THAT ARE DAMAGED DUE TO DEMOLITION WORK ARE TO BE PATCHED AS REQUIRED. SEE GENERAL NOTE NO. 1 ON CONSTRUCTION PLANS.
 10. CONTRACTOR MUST COORDINATE ALL DEMOLITION WORK WITH ASBESTOS ABATEMENT REQUIREMENTS.
 11. SEE ENGINEERING DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
 12. ALL ITEMS INDICATED TO BE REMOVED ARE TO GIVE THE CONTRACTOR A SENSE OF THE QUANTITIES. REMOVE ALL ITEMS REGARDLESS OF THE EXACT QUANTITIES.
 13. FLOOR REMOVAL TO BE COORDINATED WITH ASBESTOS ABATEMENT PROCEDURES.
 14. ALL FURNITURE AND MILLWORK IS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF THE FURNITURE, BUT DO NOT NECESSARILY SHOW ALL FURNITURE ITEMS THAT ARE TO BE REMOVED.

		CONSULTANT INFORMATION	
		Graf & Lewent Architects LLP	
		90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989	
	06/28/21		ADDENDUM # 2
	06/21/21		ADDENDUM # 1
REVISION NUMBER	DATE	MADE BY	APP'D BY
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SIGNATURE: _____		SIGNATURE: _____	
TITLE: _____		TITLE: _____	
DATE: _____		DATE: _____	
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		19-514	DM-002
DIVISION OF ENGINEERING		SHEET NO.	OF
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS		SCALE:	1/8" = 1'-0"
110 DR. MARTIN LUTHER KING, JR. BOULEVARD		DATE: May 20, 2021	Issue Date
WHITE PLAINS, NEW YORK		DPW FILE NO.	REV NO.
PARTIAL DEMOLITION PLAN - WEST WING		52-01-T-464	1

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K KEY PLAN
N.T.S.

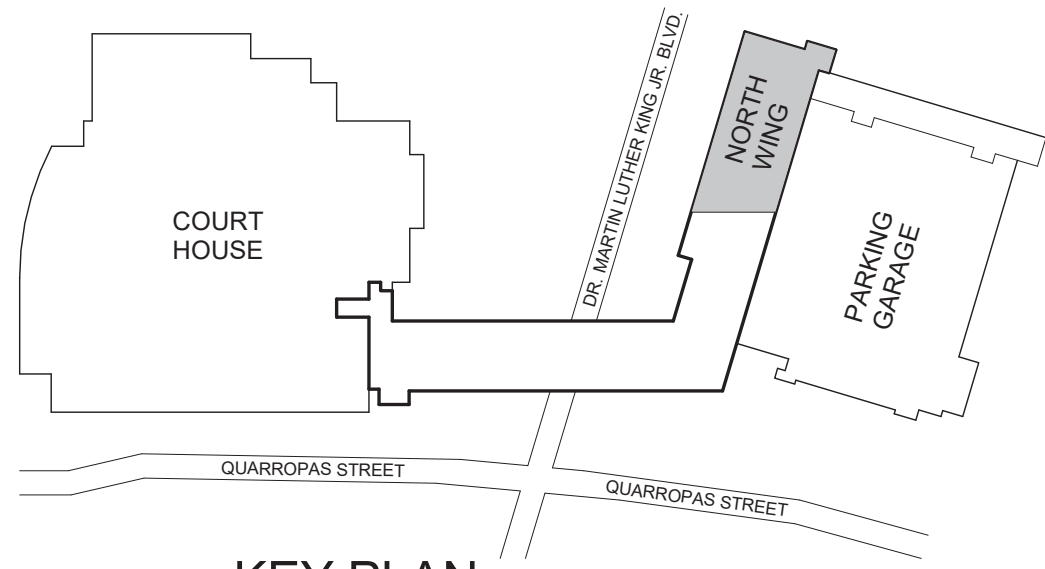


DEMOLITION PLAN LEGEND	
SYMBOL	DESCRIPTION
	EXIST. WALL/ PARTITION TO REMAIN
	EXISTING COLUMN TO REMAIN
	EXISTING WALL / PARTITION TO BE REMOVED
	EXISTING DOOR TO REMAIN
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	EXISTING SINK, FAUCET, COUNTER, AND CABINETS TO BE REMOVED
	EXISTING FAN COIL UNITS COVERS AT EXTERIOR WALLS TO REMAIN. PREPARE AND PAINT AFTER COMPLETION OF NEW FAN COIL INSTALLATION

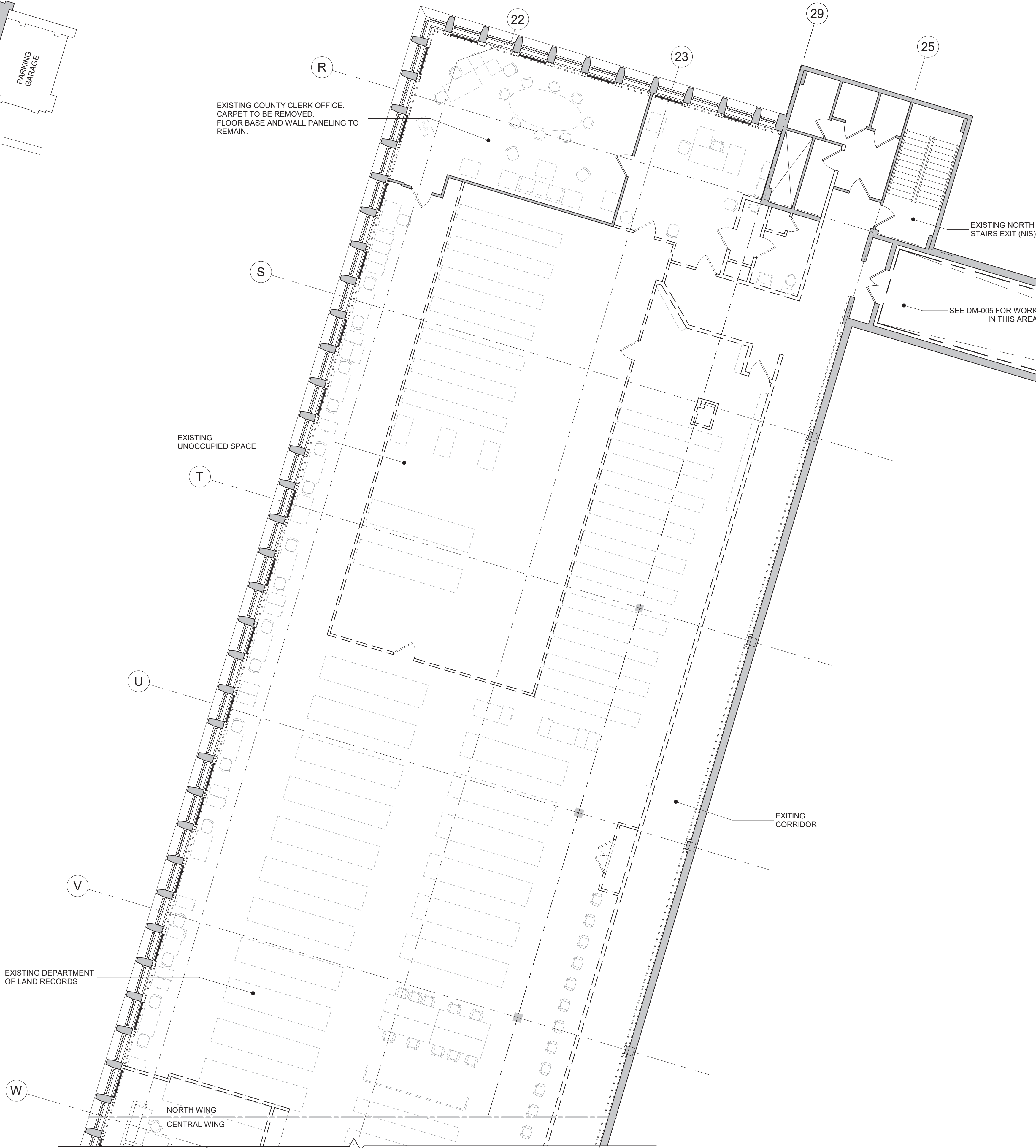
- DEMOLITION NOTES:**
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		CONSULTANT INFORMATION	
		Graff & Lewent Architects LLP	
90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989			
REVISION NUMBER	DATE	MADE BY	APP'D BY
	06/28/21		
	06/21/21		
ADDENDUM # 2			
ADDENDUM # 1			
REVISION			
RECORD DRAWING CERTIFICATION			
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CONTRACTOR		CONTRACTOR	
NAME: _____		NAME: _____	
SIGNATURE: _____		SIGNATURE: _____	
TITLE: _____		TITLE: _____	
DATE: _____		DATE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER 19-514	
DIVISION OF ENGINEERING		SHEET NO. OF	
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK		SHEET NO. 03	
PARTIAL DEMOLITION PLAN - CENTRAL		SCALE: 1/8" = 1'-0" DATE: May 20, 2021 DPW FILE NO. 52-01-T-465	
		Issue Date REV NO. 1	

1 DEMO PLAN - 3RD FLOOR CENTRAL WING
1/8" = 1'-0"



K KEY PLAN
N.T.S.



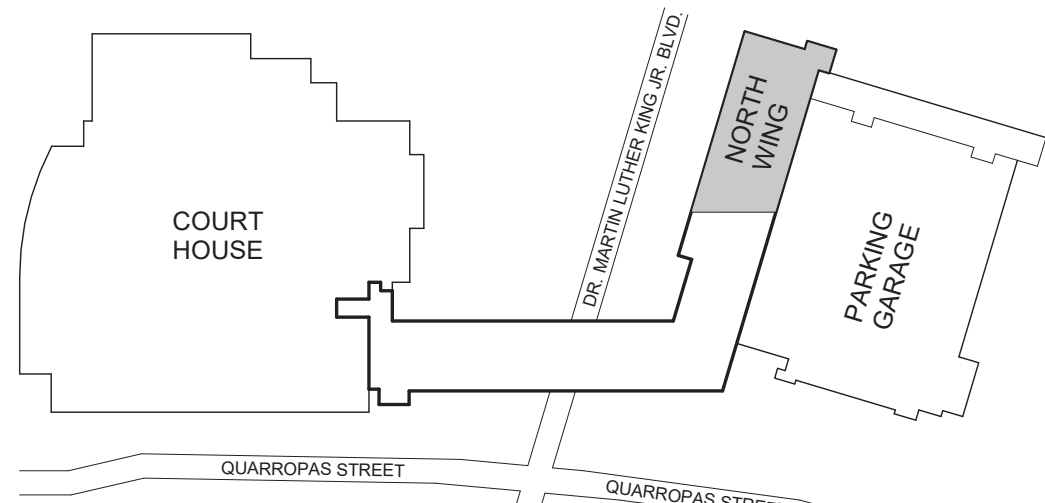
1 DEMO PLAN - 3RD FLOOR NORTH WING
1/8" = 1'-0"

DEMOLITION PLAN LEGEND	
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	EXISTING COLUMN TO REMAIN
	EXISTING WALL / PARTITION TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR FRAME TO BE REMOVED
	EXISTING SINK, FAUCET, COUNTER, AND CABINETS TO BE REMOVED
	EXISTING FAN COIL UNITS COVERS AT EXTERIOR WALLS TO REMAIN. PREPARE AND PAINT AFTER COMPLETION OF NEW FAN COIL INSTALLATION

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<div>CONSULTANT SEAL</div>		<div>CONSULTANT INFORMATION</div> <div>Graf & Lewent Architects LLP</div> <div>90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989</div>	
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	06/21/21		ADDENDUM # 1
REVISION NUMBER	DATE	MADE BY	APP'D BY
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CONTRACTOR		CONTRACTOR	
NAME: _____		NAME: _____	
SIGNATURE: _____		SIGNATURE: _____	
TITLE: _____		TITLE: _____	
DATE: _____		DATE: _____	
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		19-514	DM-004
DIVISION OF ENGINEERING		SHEET NO.	OF
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS		SCALE:	1/8" = 1'-0"
110 DR. MARTIN LUTHER KING, JR. BOULEVARD		DATE: May 20, 2021	Issue Date
WHITE PLAINS, NEW YORK		DPW FILE NO.	REV NO.
PARTIAL DEMOLITION PLAN - NORTH WING		52-01-T-466	1

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KEY PLAN

N.T.S.

ABBREVIATIONS LIST OF DEPARTMENTS AND GENERAL AREAS :

DEPARTMENT OF PUBLIC SAFETY (DPS)
DEPARTMENT OF TRANSPORTATION (DOT)
DEPARTMENT OF LEGAL SERVICES (DLS)
DEPARTMENT OF LICENSING AND NATURALIZATION (DLN)
DEPARTMENT OF LAND RECORDS (DLR)
PROCESSING UNIT (PU)
DEPARTMENT OF FINANCES (DOF)
WESTCHESTER COUNTY CLERK OFFICES (WCC)
I.T. ROOMS (IT)
LOUNGE AND ELEVATOR LOBBY (LOU)
LUNCH/BREAK, RESTROOMS, AND JANITOR (WET)
HALLWAYS AND CORRIDORS (HLL)

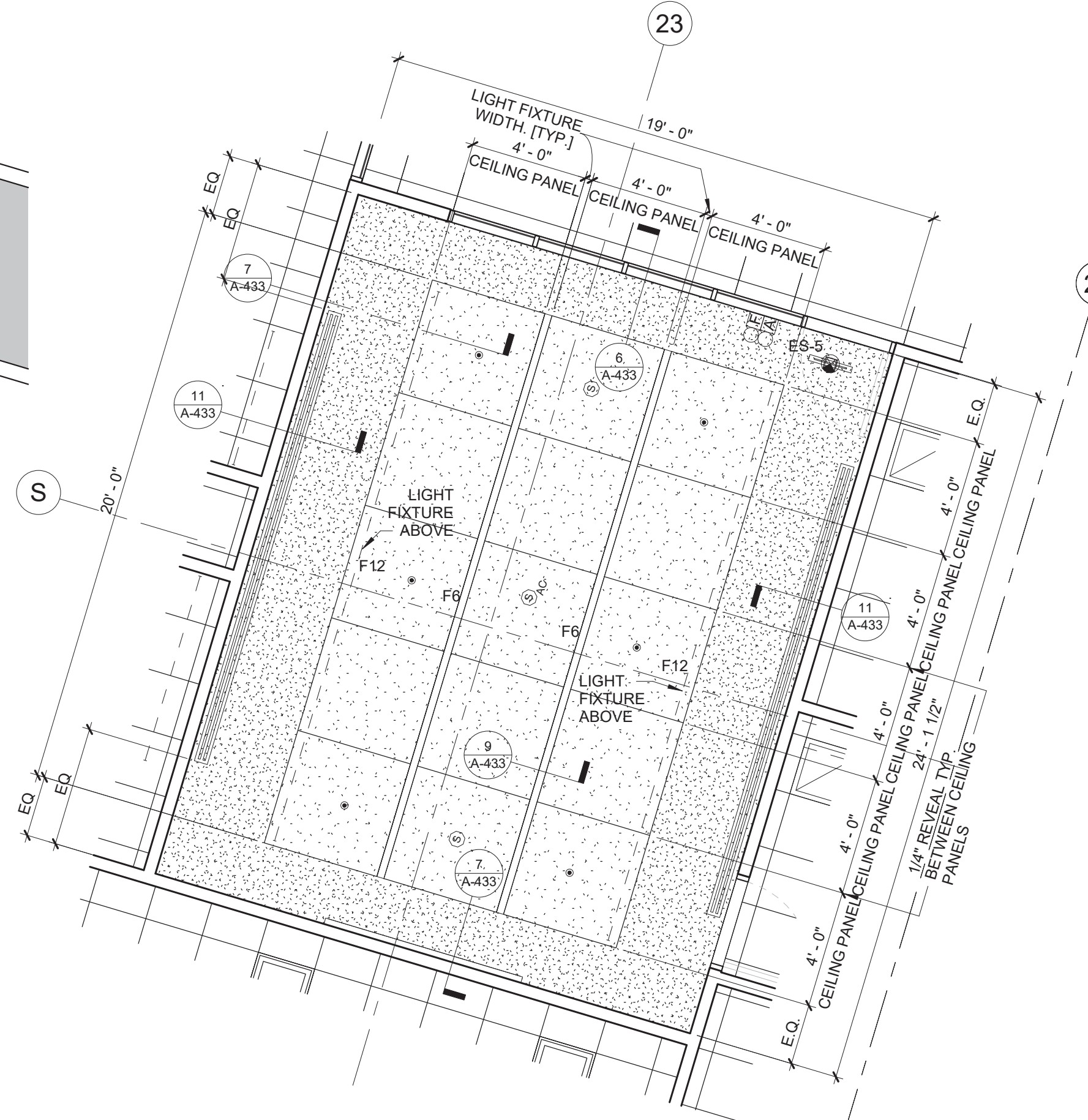
(DPS)
(DOT)
(DLS)
(DLN)
(DLR)
(PU)
(DOF)
(WCC)
(IT)
(LOU)
(WET)
(HLL)



1 REFLECTED CEILING PLAN - 3RD FLOOR NORTH WING
1/8" = 1'-0"

GENERAL NOTES:

1. ALL DEVICES SUCH AS SMOKE DETECTORS, OCCUPANCY SENSORS, CEILING MOUNTED CAMERA, MIC, SPEAKER, ETC. ARE TO BE LOCATED IN THE CENTER OF THE CEILING TILES
2. ALL SUSPENDED CEILINGS TO BE AT 8'-11" UNLESS OTHERWISE NOTED
3. ALL GYPSUM BOARD CEILING TO BE PAINTED P-1
4. THE CONTRACTOR IS TO PROVIDE AN 8' WIDE MOCK UP OF THE FULL CONSTRUCTION OF THE PLEXIGLASS SHIELD AT THE SITE BEFORE FINAL PRODUCTION. ADJUSTMENTS MAY BE MADE TO THE DESIGN BASED ON THE MOCK UP.



2 REFLECTED CEILING PLAN - WCC MAIN CONFERENCE ROOM
1/4" = 1'-0"

REFLECTIVE CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	2'x2' ACOUSTICAL CEILING SYSTEM CEILING TYPE 1
	4'x4' AND 1'x4' PATTERN ACOUSTICAL CEILING SYSTEM CEILING TYPE 2
	2'x4' AND 2'x2' PATTERN ACOUSTICAL CEILING SYSTEM CEILING TYPE 3
	TECH STYLE CEILING SYSTEM CEILING TYPE 4
	GYPSUM BOARD CEILING AND SOFFITS CEILING TYPE 5
	EXISTING 2'x2' ACOUSTICAL CEILING SYSTEM ABUTTING AREA OF WORK
	OTHER EXISTING CEILINGS NOT IN SCOPE
	CEILING DIFFUSER
	CEILING RETURN
	LINEAR CEILING DIFFUSER
	SMOKE DETECTOR
	SMOKE DETECTOR ABOVE CEILING
	OCCUPANCY SENSOR
	VACANCY SENSOR
	ALERT STROBE LIGHT ONLY
	ALERT STROBE LIGHT & SPEAKER
	FIRE ALARM SPEAKER / STROBE
	FIRE ALARM PULL STATION
	EXIT SIGN - WALL MOUNTED, ARROW INDICATES DIRECTION OF TRAVEL
	EXIT SIGN - CEILING MOUNTED, ARROW INDICATES DIRECTION OF TRAVEL
	EXISTING SKYLIGHT ADAPT CEILING TRIM TO EXISTING SKYLIGHT FRAMING
	WIRED DAYLIGHT SAVING
	WIRED QUANTUM SENSOR MODULE
	WIRED 360 DEGREE CEILING MOUNTED OCCUPANCY/VACANCY SENSOR
	SPRINKLER HEAD
	SPEAKER - CEILING MOUNTED
	SHADE - SEE DETAIL X/A-XXX
	E.J. - C (CEILING EXPANSION JOINT)
	PLEXIGLASS SHIELD



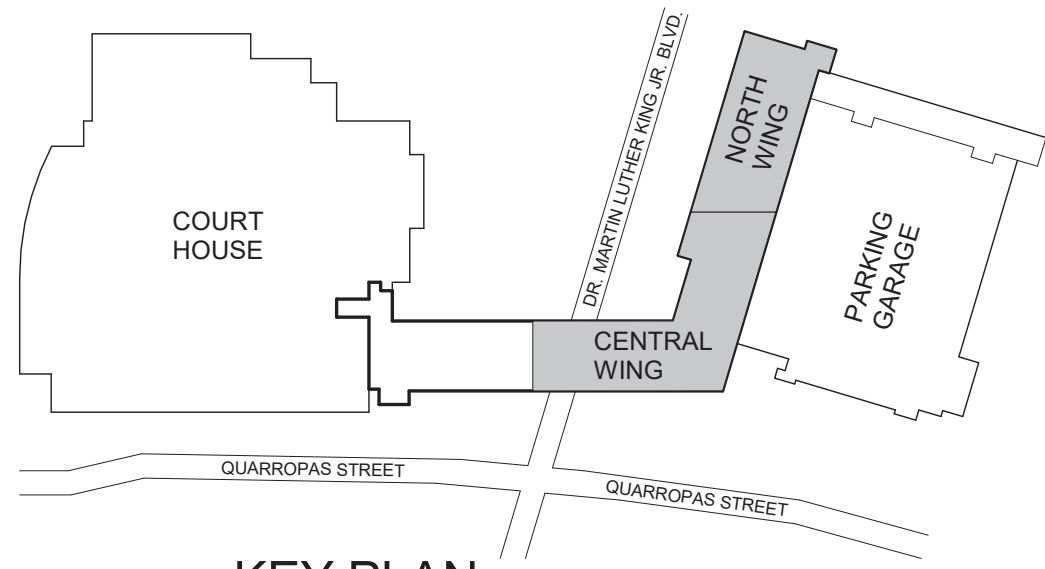
CONSULTANT INFORMATION

Graf & Lewent
Architects LLP

90-30 161st Street, Jamaica, NY 11432
P: 718-651-6200 F: 718-251-6989

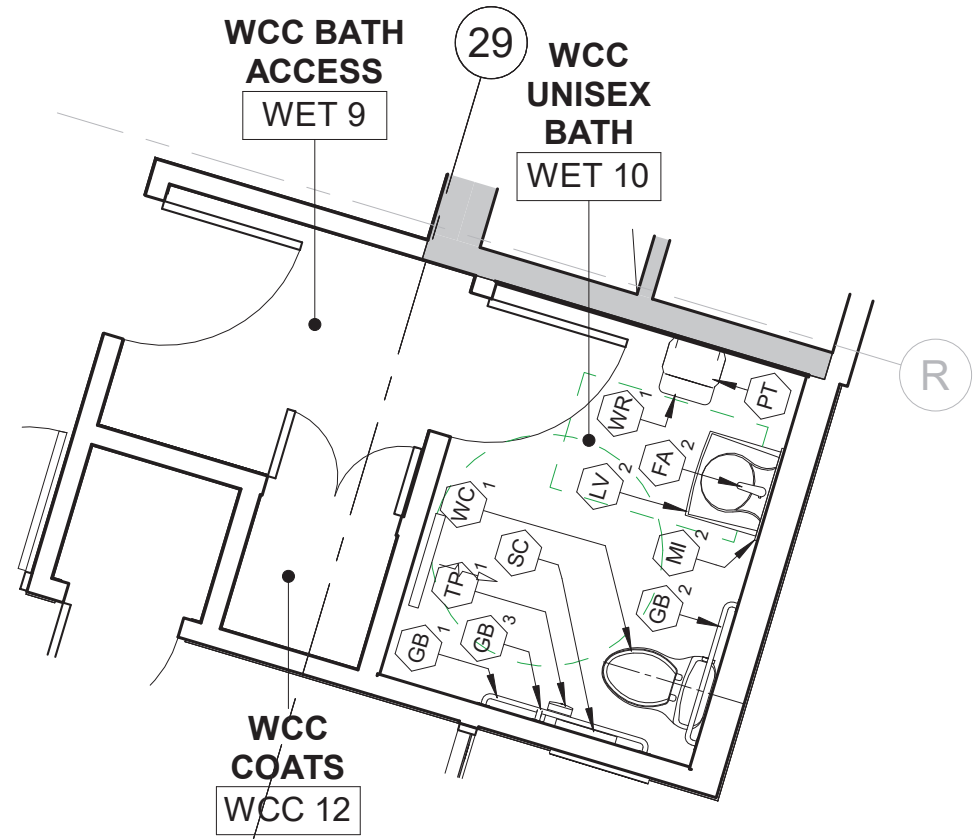
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CONTRACTOR			CONTRACTOR	
NAME: _____			NAME: _____	
SIGNATURE: _____			SIGNATURE: _____	
TITLE: _____ DATE: _____			TITLE: _____ DATE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				CONTRACT NUMBER 19-514
DIVISION OF ENGINEERING				SHEET NUMBER A-114
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK				SHEET NO. _____ OF _____
REFLECTED CEILING PLAN - 3RD FLOOR NORTH WING				SCALE: _____ As indicated DATE: May 20, 2021 Issue Date DPW FILE NO. _____ REV NO. 1 52-01-A-480

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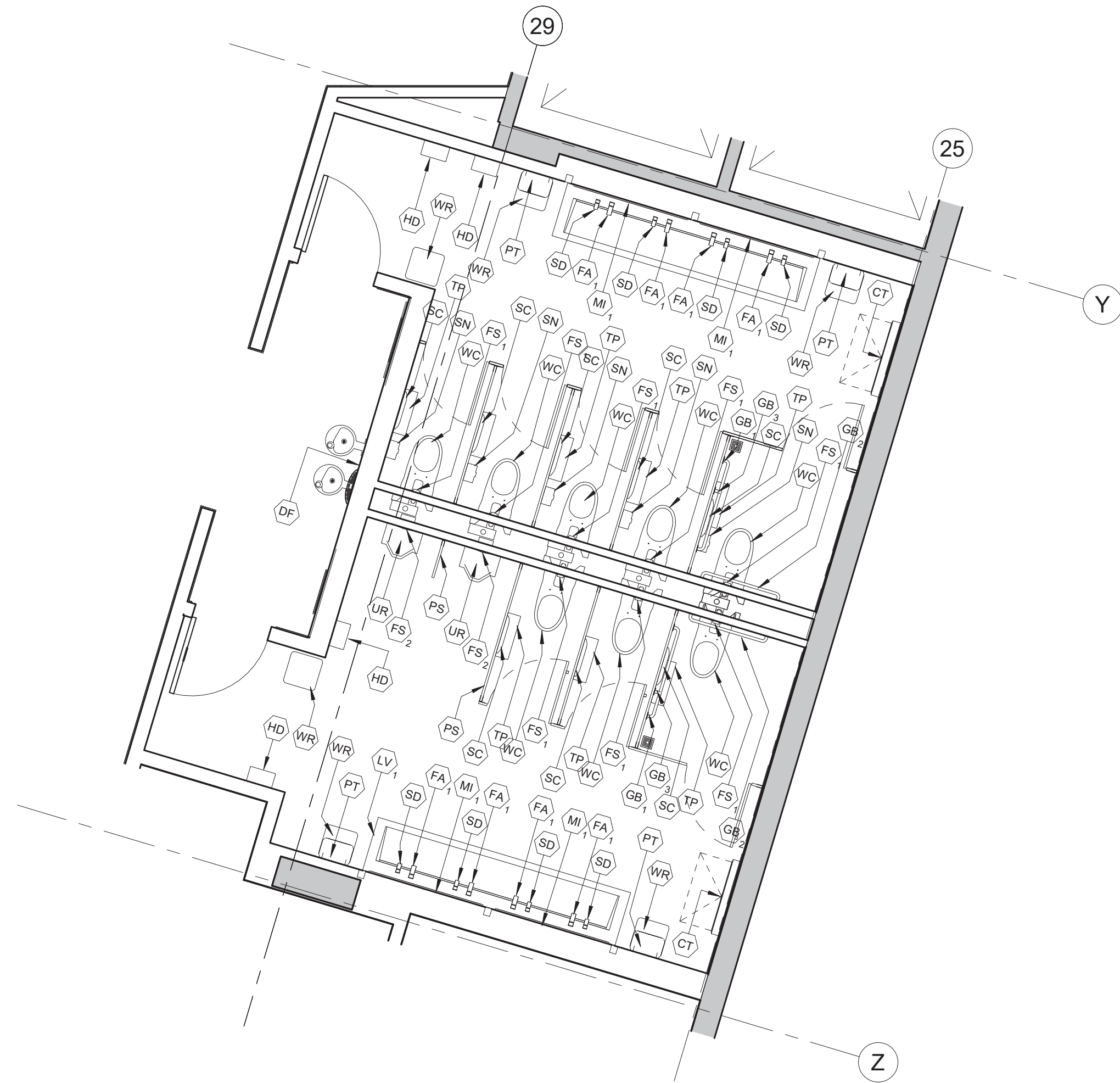
KEY PLAN

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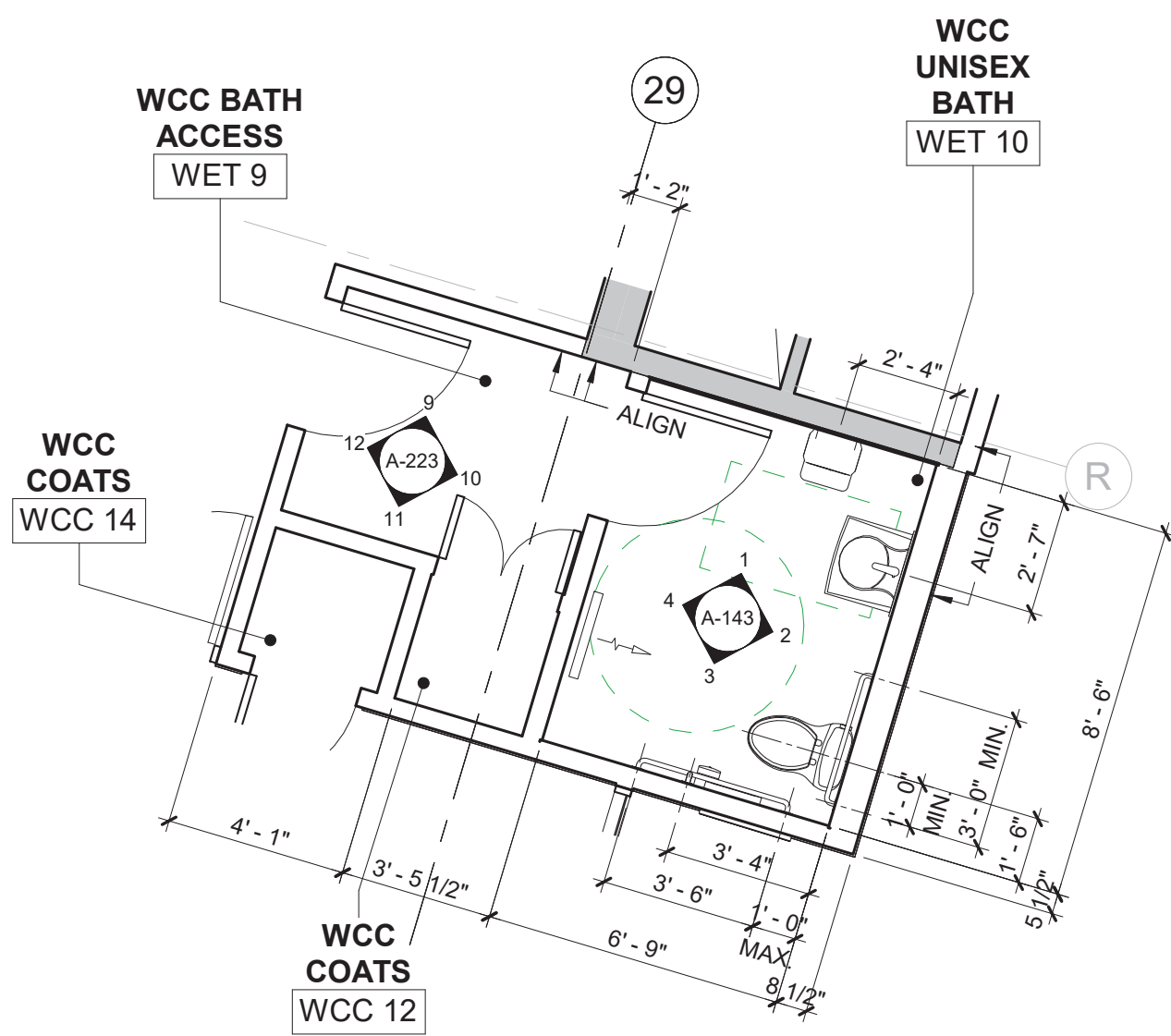
PLUMBING PLAN - UNISEX BATH WCC

1/4" = 1'-0"



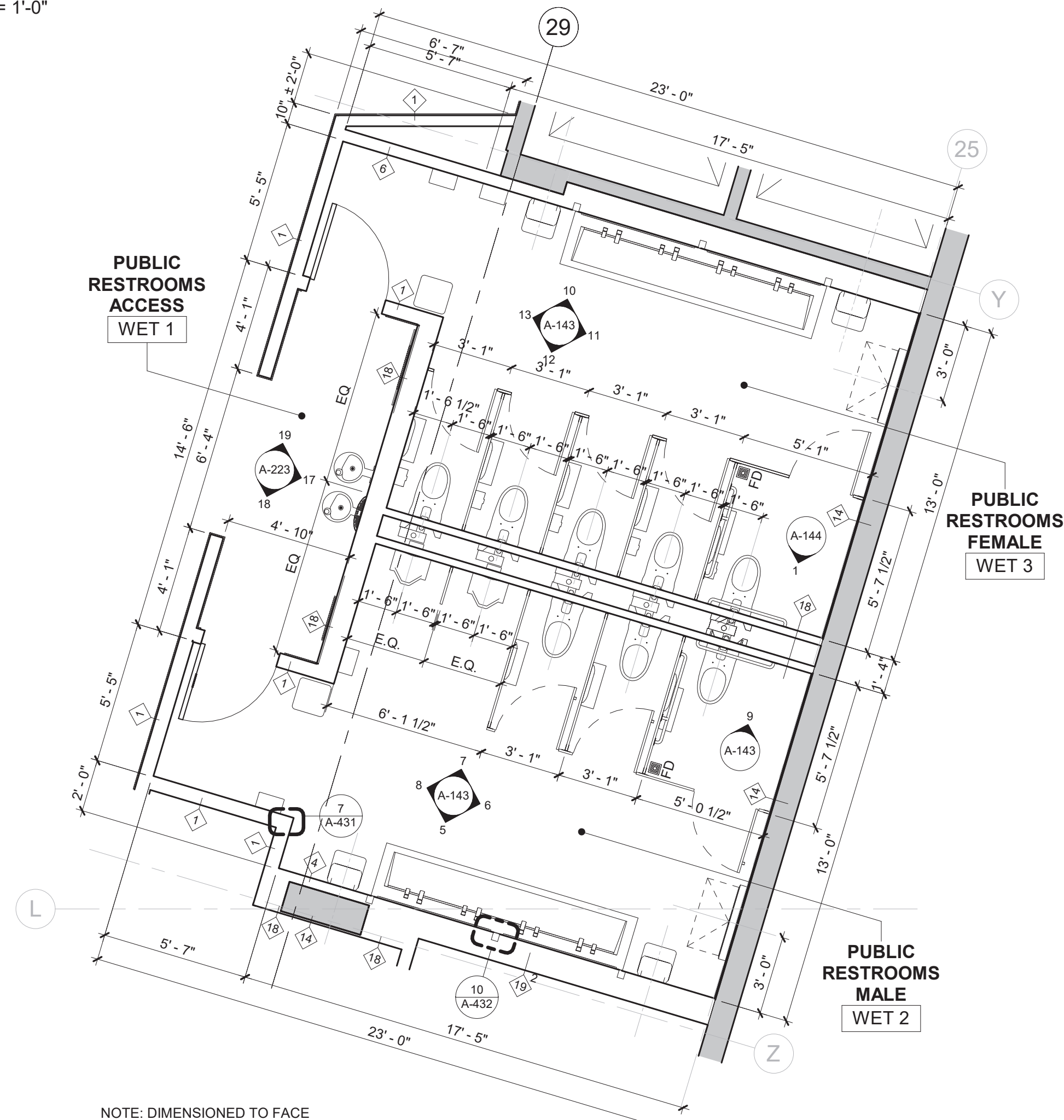
PLUMBING PLAN - PUBLIC RESTROOMS

1/4" = 1'-0"



PLAN DETAIL - UNISEX BATH WCC

1/4" = 1'-0"



PLAN DETAIL - PUBLIC RESTROOMS

1/4" = 1'-0"

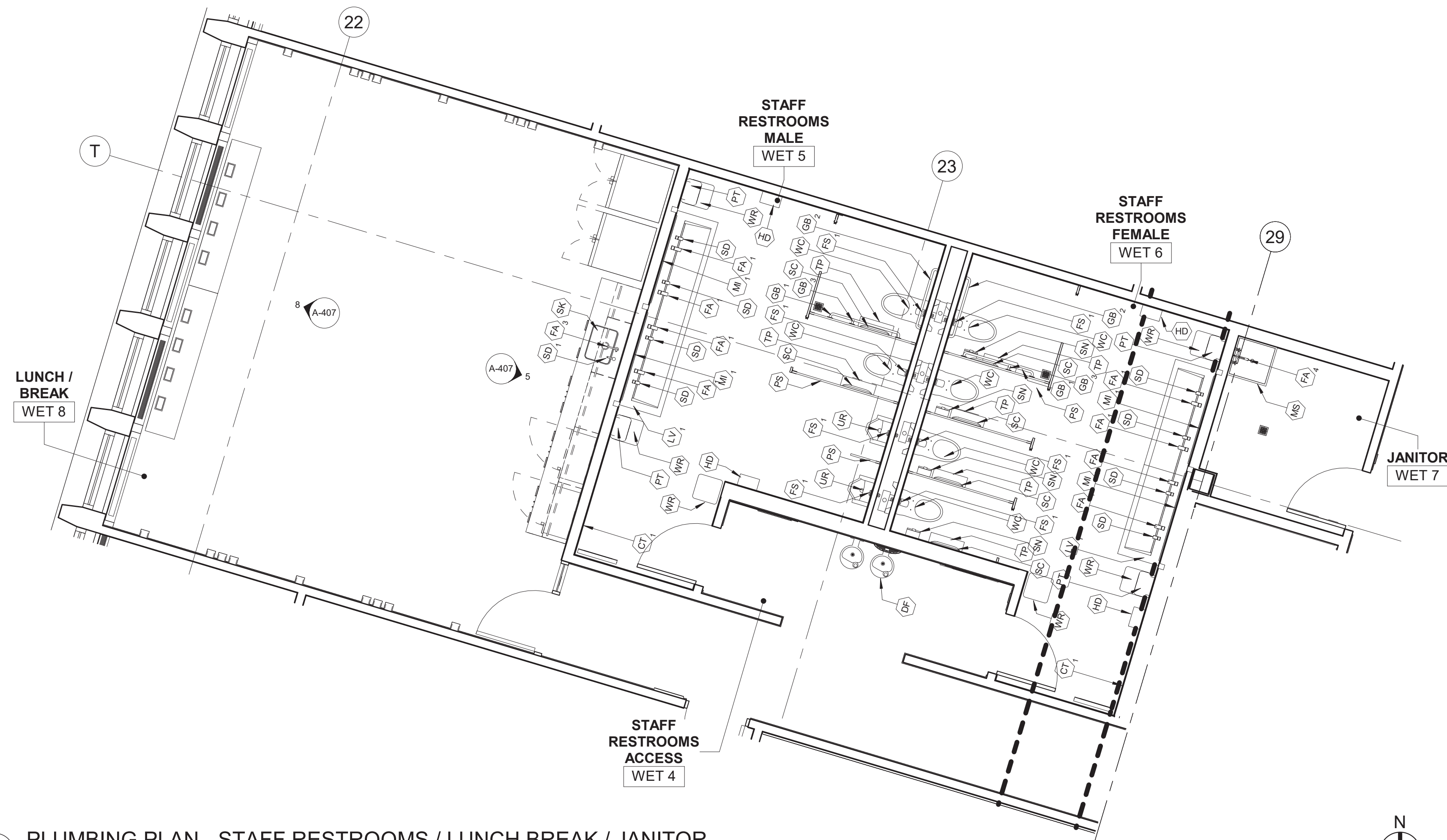
NOTE: DIMENSIONED TO FACE OF WALL WITHOUT TILE FINISH

PLUMBING FIXTURES SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL #
DF	DRINKING FOUNTAIN WITH BOTTLE FILLER	ELKAY	LZWS-EDFPBM117K
FA ₁	SENSOR RESTROOM FAUCET - HARD WIRED WITH BELOW DECK THERMOSTATIC MIXER 0.50 GPM	SLOAN	EFX-200.200.0010 # 3324250 POL. CHROME
FA ₂	SENSOR UNISEX RESTROOM FAUCET 1.0 GPM WITH SIDE MIXER, 1 - AERATED SPRAY & PLUG - IN ADAPTOR	SLOAN	EAF-100 # 3335123
FA ₃	SENSOR BREAKROOM SINK FAUCET 1.5 GPM WITH SIDE MIXER AND PLUG - IN ADAPTOR	SLOAN	EAF-700 # 3335079
FA ₄	JANITOR ROOM FAUCET	FIAT	830-AA
LV ₁	LAVATORY - RESTROOM - 120" 4 - STATION TROUGH SINK, SS-3 CORIAN EVEREST, STRAIGHT EDGE AND ADA STAINLESS STEEL ENCLOSURE	SLOAN	DSG-84000 CORIAN SOLID SURFACE
LV ₂	LAVATORY - UNISEX RESTROOM	KOHLER	K-1999-SS8
SK	SINK - BREAKROOM	ELKAY	LRAD221950 (2 HOLE)
UR	URINAL - REAR SPUD 0.125 - 1.0 GPF	SLOAN	SU-1019 # 1101019
WC	WATER CLOSET - WALL MOUNT REAR SPUD 1.1 - 1.6 GPF	SLOAN	ST-2469-STG # 2172469 - "STG" - SLOAN - TEC GLAZE?
WC ₁	WATER CLOSET	KOHLER	K-3810
MS	MOP SINK	SWAN	MS-2424
FS ₁	FLUSHOMETER SENSOR - WATER CLOSET CONCEALED 1.28 GPF	SLOAN	CX 8158-1 28-CP-OR # 3400301
FS ₂	FLUSHOMETER SENSOR - URINAL CONCEALED 0.5 GPF	SLOAN	CX 8198-0.5-CP-OR # 3400302
HD	AUTOMATIC HAND DRYER & ADA RECESS KIT (BRUSHED NICKEL)	SLOAN	XLERATOR - EHD 501-BN # 3366122 + ADA RECESS KIT # 3366139
SD	SENSOR SOAP DISPENSER - RESTROOMS HARD - WIRED	SLOAN	ESD-400-CP # 3346080
SD ₁	SENSOR BATTERY SOAP DISPENSER - BREAKROOM WITH AC ADAPTOR # 0316090	SLOAN	ESD-700-CP # 3346095

RESTROOM ACCESSORY SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL #
GB ₁	GRAB BAR - SIDE	BOBRICK	B-6806 42"
GB ₂	GRAB BAR - REAR	BOBRICK	B-6806 36"
GB ₃	GRAB BAR - VERTICAL	BOBRICK	B-6806 18" VERTICAL
CT	BABY CHANGING STATION	KOALA KARE	KB-110-SSWM
CT ₁	BABY CHANGING STATION	KOALA KARE	KB-110-SSRE
TP	TOILET PAPER DISPENSER UNIT	KIMBERLY CLARK	09551
TP ₁	TOILET PAPER DISPENSER UNIT	BOBRICK	B-4288
PT	PAPER TOWEL DISPENSER	GEORGIA PACIFIC ENMOTION	59462A
MI ₁	MIRROR 4'-6" X4'-0"	BOBRICK	B-290 54"X48"
MI ₂	MIRROR 2'-6" X4'-0"	BOBRICK	B-290 30"X48"
SC	SEAT COVER DISPENSER	BOBRICK	B-221
WR	WASTE RECEPTACLE - 21 GALLONS NO COVER	BOBRICK	B-2280
WR ₁	WASTE RECEPTACLE - 13 GALLONS NO COVER	BOBRICK	B-2260
SN	SANITARY NAPKIN DISPOSAL BIN	BOBRICK	B-35139
PS	TOILET PARTITIONS	SCRANTON	ECLIPSE 62" HEIGHT

CONSULTANT SEAL 		CONSULTANT INFORMATION Graf & Lewent Architects LLP 90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989	
<div>REVISION NUMBER</div> <div>DATE</div> <div>MADE BY</div> <div>APP'D BY</div> <div>REVISION</div>			
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CONTRACTOR NAME: _____ SIGNATURE: _____ TITLE: _____		CONTRACTOR NAME: _____ SIGNATURE: _____ TITLE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK		CONTRACT NUMBER 19-514 SHEET NO. OF	SHEET NUMBER A-141
PLUMBING PLAN - PUBLIC RESTROOMS AND UNISEX BATH		SCALE: As indicated DATE: May 20, 2021 DPW FILE NO. 52-01-A-488	Issue Date REV NO. 1

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NOTE: DIMENSIONED TO FACE OF WALL WITHOUT TILE FINISH

PLAN DETAIL - STAFF RESTROOMS / LUNCH BREAK / JANITOR

CONSULTANT SEAL 	CONSULTANT INFORMATION <h2 style="text-align: center; margin: 0;">Graf & Lewent</h2> <h3 style="text-align: center; margin: 0;">Architects LLP</h3> <p style="text-align: center; font-weight: bold;">90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989</p>			
	06/28/21			ADDENDUM # 2
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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR			CONTRACTOR	
NAME: _____			NAME: _____	
SIGNATURE: _____			SIGNATURE: _____	
TITLE: _____ DATE: _____			TITLE: _____ DATE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK			CONTRACT NUMBER 19-514	SHEET NUMBER A-142
			SHEET NO. OF	
			SCALE: 1/4" = 1'-0" DATE: May 20, 2021 Issue Date DPW FILE NO. REV NO.	
PLUMBING PLAN - STAFF RESTROOMS / LUNCH BREAK / JANITOR				
			52-01-A-489	1

PANEL SCHEDULE										PNL-3-1				PANEL: 208/120V, 3PH, 4W, 225A BUS, 225A M.C.B FEED THROUGH PANEL FEEDER: SEE RISER KACS: 65 KAC RATED MAINS, 22 KACS RATED BRANCH CIRCUIT BREAKERS																																													
VOLTS L-N		120 V		VOLTS PH.		208 V		PHASE		3																																																	
CKT. NUM.	C.B.	LOAD TRIP	LOAD TYPE	FEEDER SIZE	VA	VA	VA	VA	DESCRIPTION	CKT. NUM.	C.B.	C.B.	FEEDER SIZE	VA	VA	VA	DESCRIPTION	LOAD	LOAD TYPE	CKT. NUM.	C.B.	C.B.	FEEDER SIZE	VA	VA	VA	DESCRIPTION	LOAD	LOAD TYPE																														
1	1	20	375	7	2#12+2#12G	375			VA#6	2	1	20	2#12+2#12G	750			VA#6	750	1	2	20	2#12+2#12G	750			VA#6	750	1	2																														
3	1	20	750	7	2#12+2#12G		750		VA#6	4	1	20	2#12+2#12G		800		EBB-1	800	7	7	20	2#12+2#12G		800		EBB-1	800	7	7																														
5	2	20	75	4	3#12+2#12G			75	EBB	6	1	20	2#12+2#12G			180	WET 10 RECP	180	2	5	2	20	2#12+2#12G			180	2	5	2																														
7	=====	75	4					75		8	1	20	2#12+2#12G	181			WET 10 RECP	181	2	9	1	20	2#12+2#12G			182	2	9	1																														
9	1	20	1440	2	2#12+2#12G			1440	WCC 3 RECP	10	1	20	2#12+2#12G		182		WET 10 HAND DRY	182	2	11	1	20	2#12+2#12G			180	2	11	1																														
11	1	20	1000	2	2#12+2#12G			1000	DOF 1 PRINTER	12	1	20	2#12+2#12G			180	DOF 2 RECP	180	2	13	1	20	2#12+2#12G			1000	2	13	1																														
13	1	20	1440	2	2#12+2#12G		1440		DOF 3 FURN RECP	14	1	20	2#12+2#12G	1000			DOF 2 RECP	1000	2	15	1	20	2#12+2#12G			1000	2	15	1																														
15	1	20	1440	2	2#12+2#12G			1440	DOF 3 FURN RECP	16	1	20	2#12+2#12G		1000		DOF 2 RECP	1000	2	17	1	20	2#12+2#12G			1000	2	17	1																														
17	1	20	1440	2	2#12+2#12G			1440	NF RM FLR BOX WCC	18	1	20	2#12+2#12G			720	WCC 8 RECP	720	2	19	1	20	2#12+2#12G			360	2	19	1																														
19	1	20	1080	2	2#12+2#12G		1080		OFF WCC REC	20	1	20	2#12+2#12G	360			WCC 3 TV	360	2	21	1	20	2#12+2#12G			1080	2	21	1																														
21	1	20	900	2	2#12+2#12G		900		COBR RECP	22	1	20	2#12+2#12G			720	STOR DOF 4 RECP	720	2	23	1	20	2#12+2#12G			720	2	23	1																														
23	1	20	900	2	2#12+2#12G			900	JAN WET 7 RECP	24	1	20	2#12+2#12G				BREAK RM RECP	720	2	25	1	20	2#12+2#12G			1500	2	25	1																														
25	1	20	1500	2	2#12+2#12G		1500		IT NORTH	26	1	20	2#12+2#12G	1080			BREAK RM RECP	1080	2	27	1	20	2#12+2#12G			180	2	27	1																														
27	1	20	180	2	2#12+2#12G			180	BREAK RM RECP	28	1	20	2#12+2#12G		1000		BREAK RM RECP	1000	2	29	1	20	2#12+2#12G			1000	2	29	1																														
29	1	20	1000	2	2#12+2#12G			1000	BREAK RM RECP	30	1	20	2#12+2#12G		1000	1000	BREAK RM FRIDGE	1000	2	31	1	20	2#12+2#12G			1000	2	31	1																														
31	1	20	1000	2	2#12+2#12G		1000		BREAK RM RECP	32	1	20	2#12+2#12G	1000			BREAK RM RECP	1000	2	33*	1	20	2#12+2#12G			1800	2	33*	1																														
33*	1	20	1000	2	2#12+2#12G		1000	1000	WATER COOLER	34	1	20	2#12+2#12G		1800		REST RM EQUIP	1800	2	35	1	20	2#12+2#12G			1800	2	35	1																														
35	1	20	540	2	2#12+2#12G			540	REST ROOM RECP	36*	1	20	2#12+2#12G			1800	EST RM HAND DRYE	1800	2	37	1	20	2#12+2#12G			180	2	37	1																														
37	1	20	540	2	2#12+2#12G		540		REST ROOM RECP	38*	1	20	2#12+2#12G	180			DRINKING FOUNTAIN	180	2	39	1	20	2#12+2#12G			180	2	39	1																														
39	1	20	720	2	2#12+2#12G		720		CONVR RECP	40	1	20	2#12+2#12G		180		DOF 1 RECP	180	2	41	1	20	2#12+2#12G			1500	2	41	1																														
41	1	20	1440	2	2#12+2#12G			1440	MAN RARCP	42	1	20	2#12+2#12G			1500	PANTRY PU 3 RECP	1500	2	43	1	20	2#12+2#12G			1500	2	43	1																														
43	1	20	720	2	2#12+2#12G		720		OFF PU 4 RECP	44	20	2#12+2#12G	1500				PANTRY PU 3 RECP	1500	2	45	1	20	2#12+2#12G			180	2	45	1																														
45	1	20	1440	2	2#12+2#12G			1440	PC/CONV PU 2	46*	1	20	2#12+2#12G		180		PANTRY PU 3 RECP	180	2	47	1	20	2#12+2#12G			1500	2	47	1																														
47	1	20	1440	2	2#12+2#12G			1440	CONV RECP PU 2	48	1	20	2#12+2#12G		1500		PANTRY PU 3 RECP	1500	2	49*	1	20	2#12+2#12G			900	2	49*	1																														
49*	1	20	1000	2	2#12+2#12G		1000		HAND DRYER	50	1	20	2#12+2#12G	900			STOR WCC 10 RECP	900	2	51	1	20	2#12+2#12G			1440	2	51	1																														
51	1	20	1500	2	2#12+2#12G		1500		PANTRY DLR 4 RECP	52	20	2#12+2#12G		1440			OFF RECP DLR 9/7	1440	2	53	1	20	2#12+2#12G			1280	2	53	1																														
53	1	20	1500	2	2#12+2#12G			1500	PANTRY DLR 4 RECP	54	1	20	2#12+2#12G		1280		OFF RECP DLR 2	1280	2	55	1	20	2#12+2#12G			1080	2	55	1																														
55	1	20	1500	2	2#12+2#12G		1500		PANTRY DLR 4 RECP	56	1	20	2#12+2#12G	1080			DLR 8 MAP RECP	1080	2	57	1	20	2#12+2#12G			1080	2	57	1																														
57	1	20	720	2	2#12+2#12G		720		CONVR RECP DLR 1	58	1	20	2#12+2#12G		1080		DLR 8 MAP RECP	1080	2	59	1	20	2#12+2#12G			1800	2	59	1																														
59	1	20	360	2	2#12+2#12G			360	DLR 3 CONVR RECP	60	1	20	2#12+2#12G			1800	IT NORTH	1800	2	61	1	20	2#12+2#12G			1800	2	61	1																														
61	1	20	720	2	2#12+2#12G		720		WCC 8 RECP	62	1	20	2#12+2#12G		1800		IT NORTH	1800	2	63	1	20	2#12+2#12G			1500	2	63	1																														
63	1	20	540	2	2#12+2#12G		540		WCC 11 PANTRY	64*	20	2#12+2#12G		1500			RESTRM HAND DRYE	1500	2	65	1	20	2#12+2#12G			1500	2	65	1																														
65	1	20	1000	2	2#12+2#12G			1000	WCC 11 PANTRY	66*	20	2#12+2#12G		1500		1500	RESTRM HAND DRYE	1500	2	67*	1	20	2#12+2#12G			1500	2	67*	1																														
67*	1	20	1500	2	2#12+2#12G		1500		RSTRM HND DRYER	68*	1	20	2#12+2#12G	1500			RESTRM HAND DRYE	1500	2	69*	1	20	2#12+2#12G			1800	3	69*	1																														
69*	1	20	1500	2	2#12+2#12G			1500	RSTRM HND DRYER	70	1	20	2#12+2#12G		1800		ROOF EQUIPMENT	1800	3	71*	1	20	2#12+2#12G			1500	3	71*	1																														
71*	1	20	1500	2	2#12+2#12G			1500	RSTRM HND DRYER	72	1	20	2#12+2#12G		1500	1500	FAUCET	1500	3	73*	1	20	2#12+2#12G			1500	3	73*	1																														
73*	1	20	1500	2	2#12+2#12G		1500		RSTRM HND DRYER	74	1	20	2#12+2#12G	1500			SECURITY PANEL	1500	3	75	1	20	2#12+2#12G			1000	2	75	1																														
75	1	20	1080	2	2#12+2#12G		1080		MAIL PU 2 RECP	76	1	20	2#12+2#12G		1000		PRINTER	1000	2	77	1	20	2#12+2#12G			1080	2	77	1																														
77	1	20	900	2	2#12+2#12G			900	MIL PU 2 RECP	78	1	20	2#12+2#12G		1080		WCCS RECP	1080	2	79	1	20	2#12+2#12G			360	2	79	1																														
79	1	20	1500	2	2#12+2#12G		1500		IT NORTH	80*	1	20	2#12+2#12G	360			WATER COOLER	360	2	81	1	20	2#12+2#12G			360	2	81	1																														
81	1	20	900	2	2#12+2#12G		900		OFF RECP DLR 5	82	1	20	2#12+2#12G		360		WCC 11 PANTRY	360	2	83	1	20	2#12+2#12G			720	2	83	1																														
83	1	20	1000	2	2#12+2#12G			1000	WCC 11 PANTRY	84	20	2#12+2#12G		720			WCC 6 RECP	720	2																																								
1.) LIGHTING										CONNECTED										DEMAND																																							
a. First 10,000 Watts @ 100%										0										10000										ACTUAL ESTIMATED LOAD										74076 VA																			
b. Load greater than 10,000 Watts @ 50%										50										33541.5										TOTAL ESTIMATED DEMAND LOAD										84708 VA																			
Receptacle total load										77083										43541.5										ACTUAL CONNECTED LOAD										235.13 AMPS																			
3.) MISCELLANEOUS										4800										100										4800																													
4.) HEAT										150										100										150																													
5.) MOTORS										0										100										0										TOTAL ESTIMATED DEMAND LOAD										205.59 AMPS									
a. Largest motor load @ 125%																				125										-										SPARE BREAKER CAPACITY										0.00%									
b. Additional loads at @ 100%																				100										0										NOTE:																			
Total Motor load										0																														ALL LOAD CALCULATION ARE BASED ON CURRENT NEC VERSION AND ASSOCIATED LOCAL AMENDMENTS.																			
7.) HVAC										2675										100										2675																													

PANEL SCHEDULE				PNL-3-2				PANEL: 208/120V, 3PH, 4W, 225A L.O															
VOLTS L-N VOLTS PH. PHASE				120 V 208 V 3				FEEDER: SEE RISER															
CKT NUM.	C/B TRIP	LOAD CON.	LOAD TYPE	FEEDER SIZE	VA	VB	VA C	DESCRIPTION	CKT NUM.	C/B POLES	C/B AMPS	FEEDER SIZE	VA	VA B	VA C	DESCRIPTION	LOAD CON.	LOAD TYPE					
1	1	20	720	2	2#12+1#12G	720		CORR RECP	2	1	20	2#12+1#12G	540			DLR STOR 10 RECP	540	2					
3	1	20	360	2	2#12+1#12G		360	CONF RM WCC 9	4	1	20	2#12+1#12G		1440		DLR 3 FURN RECP	1440	2					
5	1	20	1440	2	2#12+1#12G		1440	DLR WRKST DLR 6	6	1	20	2#12+1#12G			1440	DLR 3 FURN RECP	1440	2					
7	1	20	1440	2	2#12+1#12G	1440		DLR WRKST DLR 6	8	1	20	2#12+1#12G	720			WCC 8 CONF RM	720	2					
9	1	20	1080	2	2#12+1#12G		1080	DLR OFF RECP	10	1	20	2#12+1#12G		720		DLR WRKST DLR 4	720	2					
11	1	20	720	2	2#12+1#12G		720	DLR OFF RECP	12	1	20	2#12+1#12G			1080	CONF RM WCC 9	1080	2					
13	1	20	1500	2	2#12+1#12G	1500		DLR OFF PRINTER	14	20		2#12+1#12G	720			DLR 1 WAITING	720	2					
15	1	20	1000	2	2#12+1#12G		1000	PRINTER	16	1	20	2#12+1#12G		1800		ROOF EQUIPMENT	1800	3					
17*	1	20	1000	2	2#12+1#12G		1000	HAND DRYER	18	2	30				2340		2340	2					
19	1	20	1000	2	2#12+1#12G	1000		CARD READER	20	=====			4#10+1#10G	2340		CUI IT ROOM	2340	7					
21	1	20	-	-	-	0	0	SPARE	22	2	30			2340		CUI IT ROOM	2340	7					
23	1	20	-	-	-	0	0	SPARE	24	=====			4#10+1#10G		2340	CUI IT ROOM	2340	7					
25	1	20	-	-	-	0	0	SPARE	26	1	2000		1000			DLR 3 PRINTER	1000	2					
27	1	20	-	-	-	0	0	SPARE	28	1	20			0		SPARE	-	-					
29	1	20	-	-	-	0	0	SPARE	30	1	20			0		SPARE	-	-					
31	1	20	-	-	-	0	0	SPARE	32	1	20			0		SPARE	-	-					
33	1	20	-	-	-	0	0	SPARE	34	1	20			0		SPARE	-	-					
35	1	20	-	-	-	0	0	SPARE	36	1	20			0		SPARE	-	-					
37	1	20	-	-	-	0	0	SPARE	38	1	20			0		SPARE	-	-					
39	1	20	-	-	-	0	0	SPARE	40	1	20			0		SPARE	-	-					
41	1	20	-	-	-	0	0	SPARE	42	1	20			0		SPARE	-	-					
1) LIGHTING				CONNECTED				DEMAND															
2) RECEPTACLES				0				100				0											
a. First 10,000 Watts @ 100%								100				10000				ACTUAL CONNECTED LOAD				29080	VA		
b. Load greater than 10,000 Watts @ 50%								50				3660				TOTAL ESTIMATED DEMAND LOAD				25120	VA		
Receptacle total load				17920				13960								ACTUAL CONNECTED LOAD				80.72	AMPS		
3) MISCELLANEOUS				1800				100				1800											
4) HEAT				0				100				0											
5) KITCHEN				0				100				0											
6) MOTORS																TOTAL ESTIMATED DEMAND LOAD				69.73	AMPS		
a. Largest motor load @ 125%								125				-				SPARE BREAKER CAPACITY				45.24%			
b. Additional loads at @ 100%								100				0											
Total Motot load				0				0				0				NOTE:							
7) HVAC				9360				100				9360				ALL LOAD CALCULATION ARE BASED ON CURRENT NEC VERSION AND ASSOCIATED LOCAL AMENDMENTS.							

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PANEL SCHEDULE										PNL-3-4			PANEL: 208/120V, 3PH, 4W, 400A M.L.O.									
VOLTS L-N 120 V										FEEDER: SEE RISER												
VOLTS PH 208 V																						
PHASE 3																						
CKT	C.B.	LOAD	LOAD	FEEDER	VA	VA	VA	DESCRIPTION	CKT	C.B.	C.B.	FEEDER	VA	VA	VA	DESCRIPTION	LOAD	LOAD				
NO.	TRIP	CON.	TYPE	SIZE	A	A	C		NO.	TRIP	TRIP	SIZE	A	A	C		CON.	TYPE				
1	1	20	920	2	2#12+1#12G	720		HLL 17 BRK RM	2	1	20	2#12+1#12G	1400			GR JURY RACEWAY	1400	2				
3	1	20	700	2	2#12+1#12G		900	HLL 17 BRK RM	4	1	20	2#12+1#12G		1400		GR JURY RACEWAY	1400	2				
5	1	20	540	2	2#12+1#12G		540	HLL 17 BRK RM	6	1	20	2#12+1#12G			1500	DPS 1 WAITING AREA	1500	2				
7	1	20	540	2	2#12+1#12G	540		GR JURY RM RECIP	8	1	20	2#12+1#12G	900			CONV RECIP	900	3				
9	1	20	1260	2	2#12+1#12G		1260	DPS 1/5 PC RECIP	10	1	20	2#12+1#12G		1500		IT WEST	1500	2				
11	1	20	1080	2	2#12+1#12G		1080	DPS 5 RACEWAY	12	1	20	2#12+1#12G			1500	IT WEST	1500	2				
13	1	20	360	2	2#12+1#12G		360	DPS 5 RECIP	14	1	20	2#12+1#12G	1500			IT WEST	1500	2				
15	1	20	720	2	2#12+1#12G	720		OPEN RECIP/STOR	16	20	2#12+1#12G			1500		IT WEST	1500	2				
17	1	20	360	2	2#12+1#12G		360	LOCKER RM RECIP	18	1	20	2#12+1#12G			1500	DEDICATED RECIP	1500	2				
19	1	20	1000	2	2#12+1#12G	1000		PRINTER	20	1	20	2#12+1#12G	1500			DEDICATED RECIP	1500	2				
21	1	20	1440	2	2#12+1#12G		1440	DEDICATED RECIP	22	1	20	2#12+1#12G		1440		FURN RECIP	1440	2				
23	1	20	1440	2	2#12+1#12G		1440	DEDICATED RECIP	24	1	20	2#12+1#12G			1440	FURN RECIP	1440	2				
25	1	20	1440	2	2#12+1#12G	1440		DEDICATED RECIP	26	2	20	3#12+1#12G	1440			OPEN SPACE	1440	2				
27	1	20	1000	2	2#12+1#12G		1000	WATER FOUNTAIN	28	=====			1400		1440	OPEN SPACE	1400	2				
29	1	20	720	2	2#12+1#12G		720	DP4/6 PC RECIP	30	2	20	3#12+1#12G			1440	OPEN SPACE	1440	2				
31	1	20	1080	2	2#12+1#12G	1080		DP4/6 RECIP	32	=====			1440			FURN RECIP	1440	2				
33	1	20	720	2	2#12+1#12G	720		GR JURY RM RECIP	34	1	20	2#12+1#12G		1440		MONITOR	1440	2				
35	1	20	1000	2	2#12+1#12G		1000	CARD READERS	36	1	20	-			0	SPARE	-	-				
37	1	20	-	-	-	0		SPARE	38	1	20	-	0		0	SPARE	-	-				
39	1	20	-	-	-	0		SPARE	40	1	20	-		0	0	SPARE	-	-				
41	1	20	-	-	-			0	SPARE	42	1	20	2#12+1#12G			540	CORR RECIP	540	2			
43	1	20	1000	3	2#12+1#12G	1000		ROLL UP DOOR	44	1	20	2#12+1#12G	1000			DLR 1 PRINTER	1000	2				
45	1	20	1080	2	2#12+1#12G		1080	DLR 1 WAITING RECIP	46	20	2#12+1#12G			1000		DLR 1 PRINTER	1000	2				
47	1	20	720	2	2#12+1#12G		720	DLR COUNTER	48	2	20	3#12+1#12G			1440	DLR 3 FURN RECIP	1440	2				
49	2	20	1440	2	3#12+1#12G	1440		DLR 3 FURN RECIP	50	=====			1440									
51	=====	1440	2	3#12+1#12G		1440		DLR 3 FURN RECIP	52	1	20	-			0	SPARE	-	-				
53	1	20	-	-	-	0		SPARE	54	1	20	-			0	SPARE	-	-				
55	1	20	-	-	-	0		SPARE	56	1	20	-	0		0	SPARE	-	-				
57	1	20	-	-	-	0		SPARE	58	1	20	-		0	0	SPARE	-	-				
59	1	20	-	-	-	0		SPARE	60	1	20	-			0	SPARE	-	-				
61	1	20	-	-	-	0		SPARE	62	1	20	-	0		0	SPARE	-	-				
63	1	20	-	-	-	0		SPARE	64	1	20	-		0	0	SPARE	-	-				
65	1	20	-	-	-	0		SPARE	66	1	20	-			0	SPARE	-	-				
67	1	20	-	-	-	0		SPARE	68	1	20	-	0		0	SPARE	-	-				
69	1	20	-	-	-	0		SPARE	70	1	20	-			0	SPARE	-	-				
71	1	20	-	-	-	0		SPARE	72	1	20	-			0	SPARE	-	-				
73	1	20	-	-	-	0		SPARE	74	1	20	-	0		0	SPARE	-	-				
75	1	20	-	-	-	0		SPARE	76	1	20	-		0	0	SPARE	-	-				
77	1	20	-	-	-	0		SPARE	78	1	20	-			0	SPARE	-	-				
79	1	20	-	-	-	0		SPARE	80	1	20	-	0		0	SPARE	-	-				
81	1	20	-	-	-	0		SPARE	82	1	20	-		0	0	SPARE	-	-				
83	1	20	-	-	-	0		SPARE	84	1	20	-			0	SPARE	-	-				
					CONNECTED				DEMAND													
					0				100			0										
1). RECEPTACLES															ACTUAL CONNECTED LOAD							
a. First 10,000 Watts @ 100%									100			10000			51660 VA							
b. Load greater than 10,000 Watts @ 50%									50			19880			TOTAL ESTIMATED DEMAND LOAD							
Receptacle total load					49760							29880			ACTUAL CONNECTED LOAD							
3). MISCELLANEOUS					1900				100			1900										
4). HEAT					0				100			0										
5). KITCHEN					0				100			0			TOTAL ESTIMATED DEMAND LOAD							
6). MOTORS															88.22 AMPS							
a. Largest motor load @ 125%									125			-			SPARE BREAKER CAPACITY							
b. Additional loads at @ 100%									100			0			46.43%							
Total Motorot load					0				0			0			NOTE:							
7). HVAC					0				100			0			ALL LOAD CALCULATION ARE BASED ON CURRENT NEC VERSION AND ASSOCIATED LOCAL AMENDMENTS.							

PANEL SCHEDULE

VOLTS L-N 277 V

VOLTS PH. 480 V

PHASE 3

DB-3-1

PANEL: 480/277V, 3PH, 4W, 400A BUS, 400M.C.B

FEEDER: SEE RISER

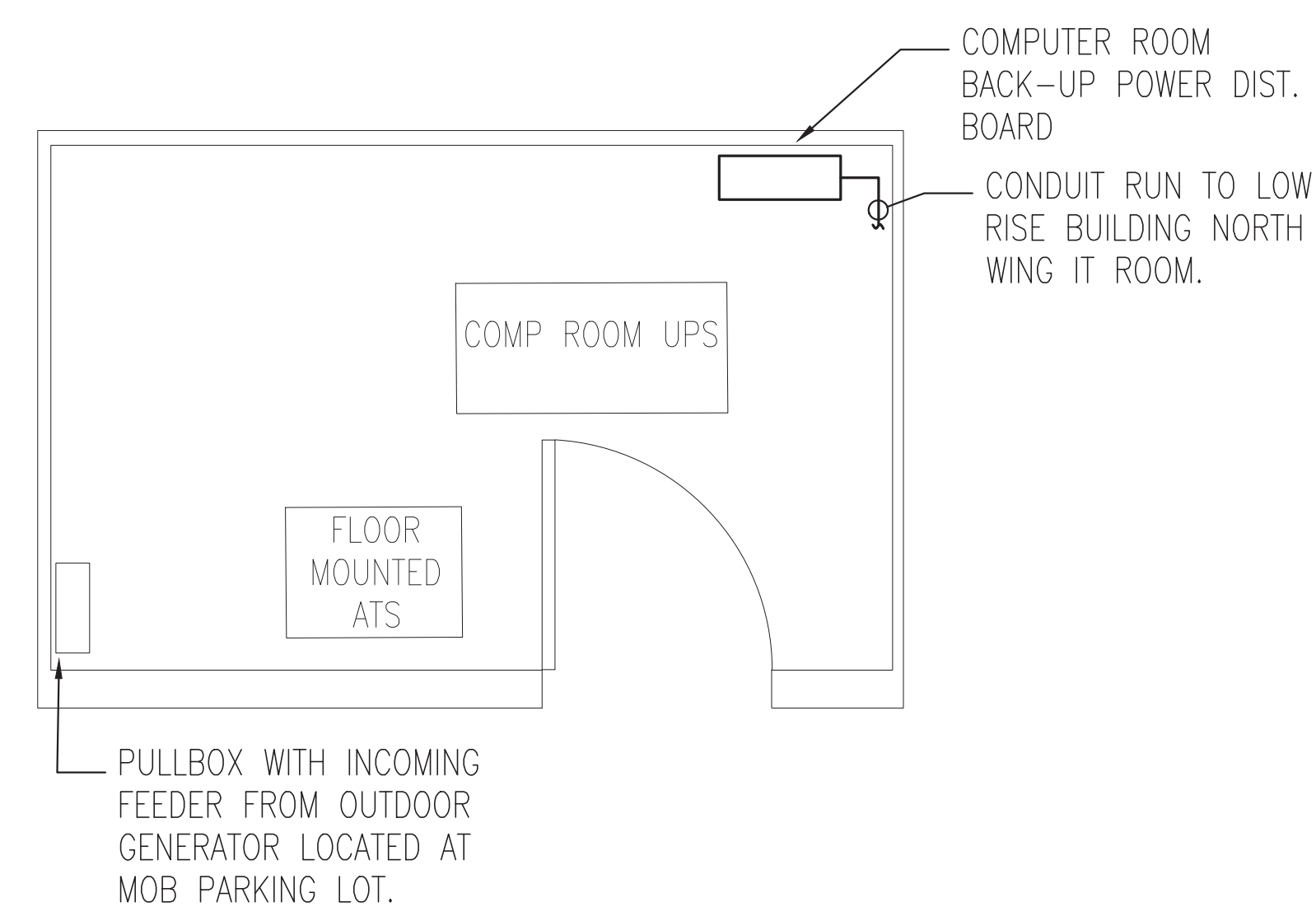
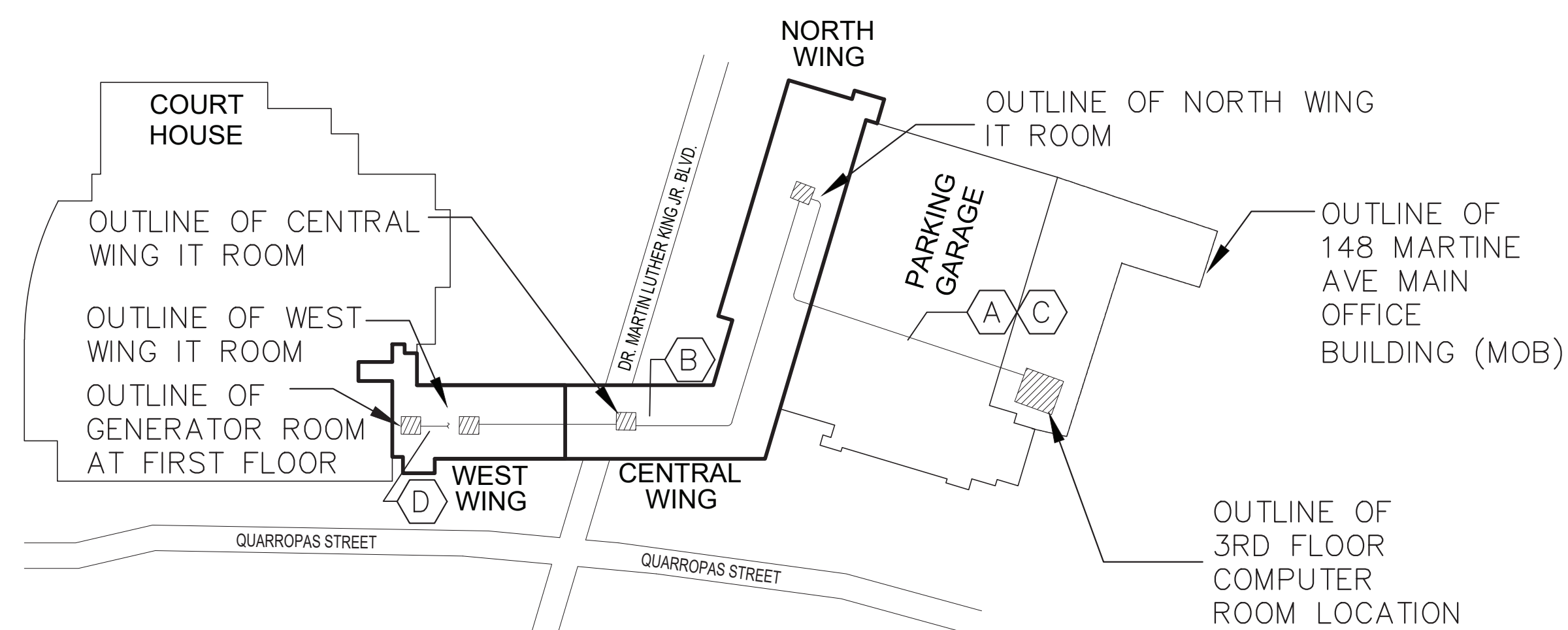
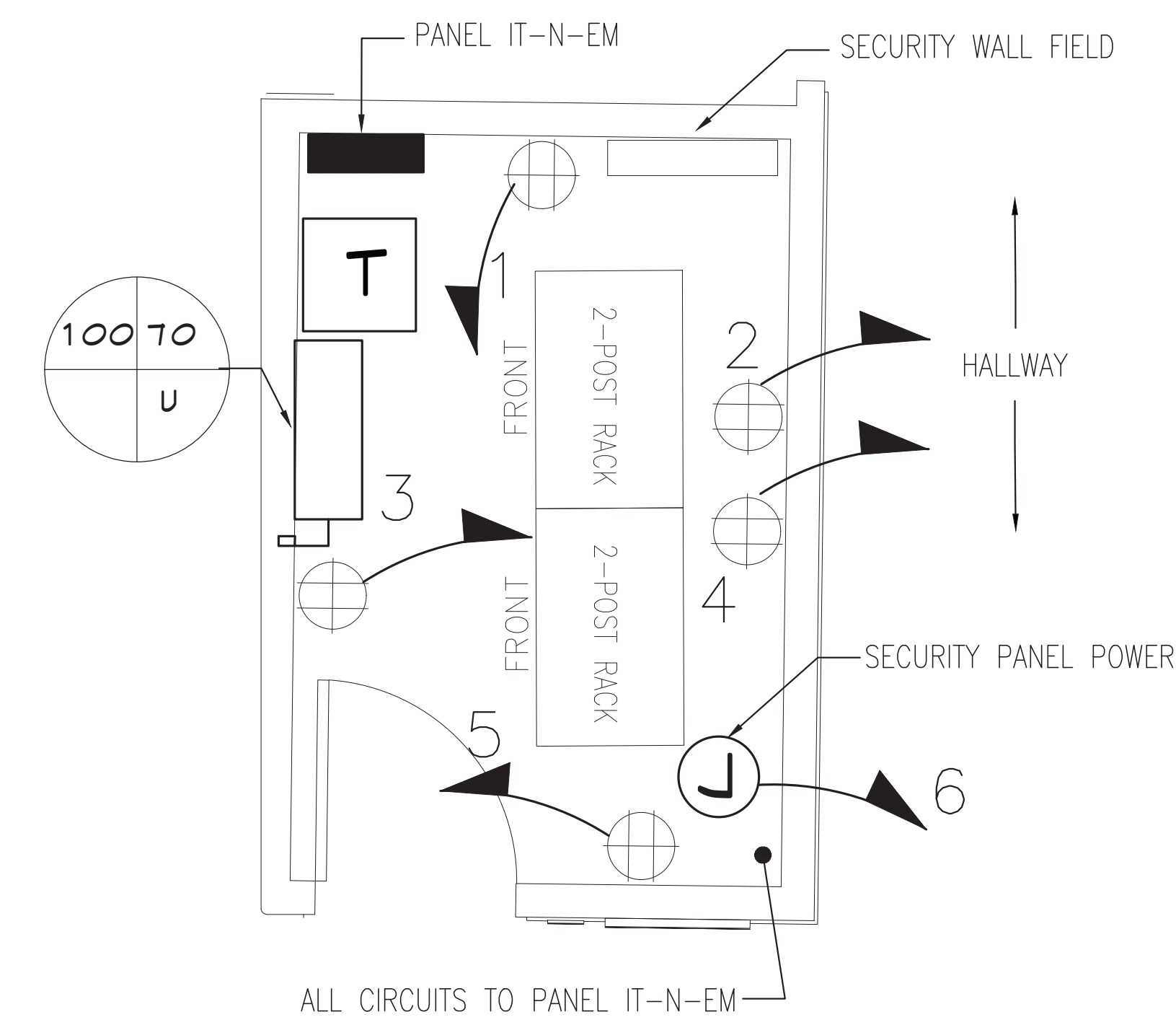
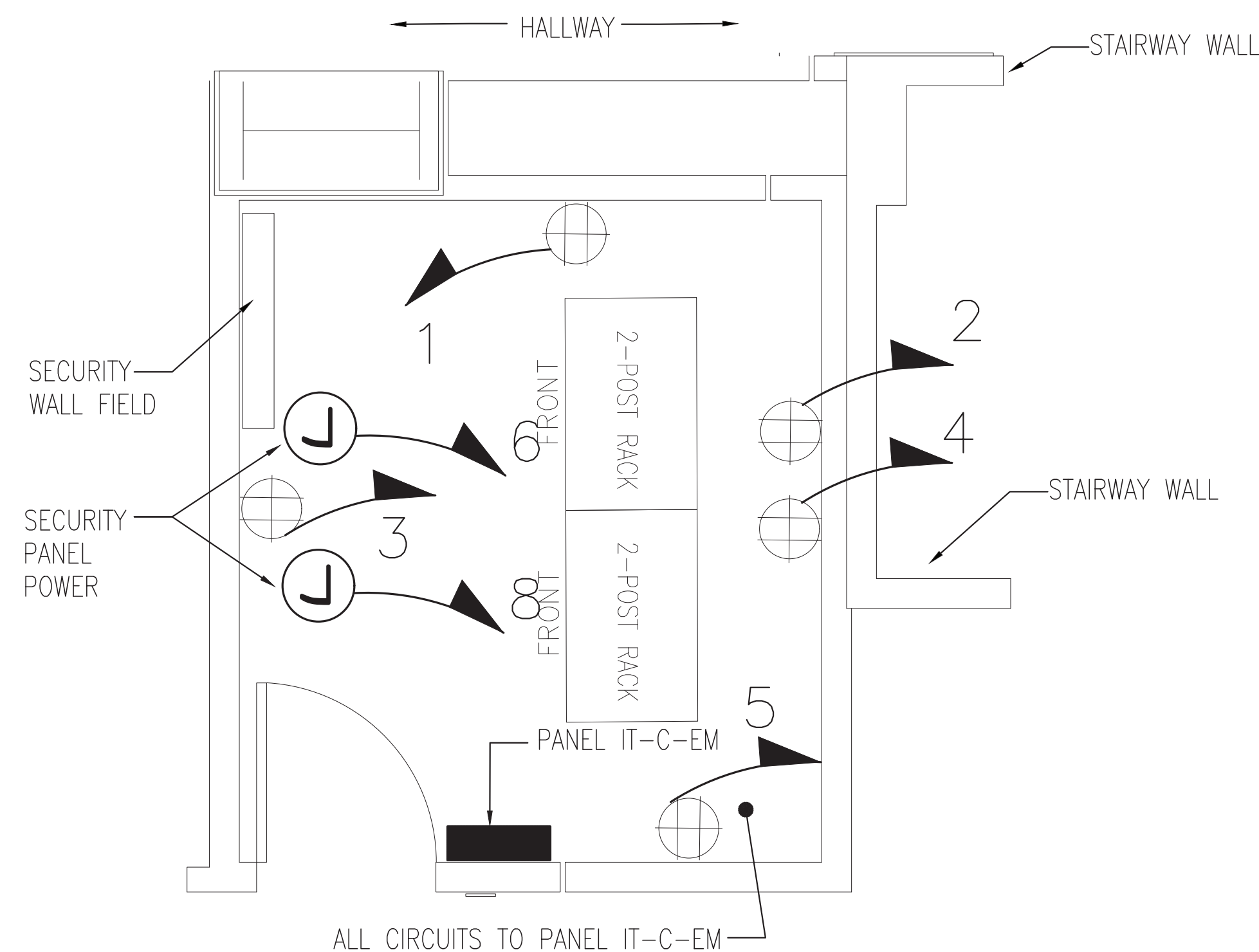
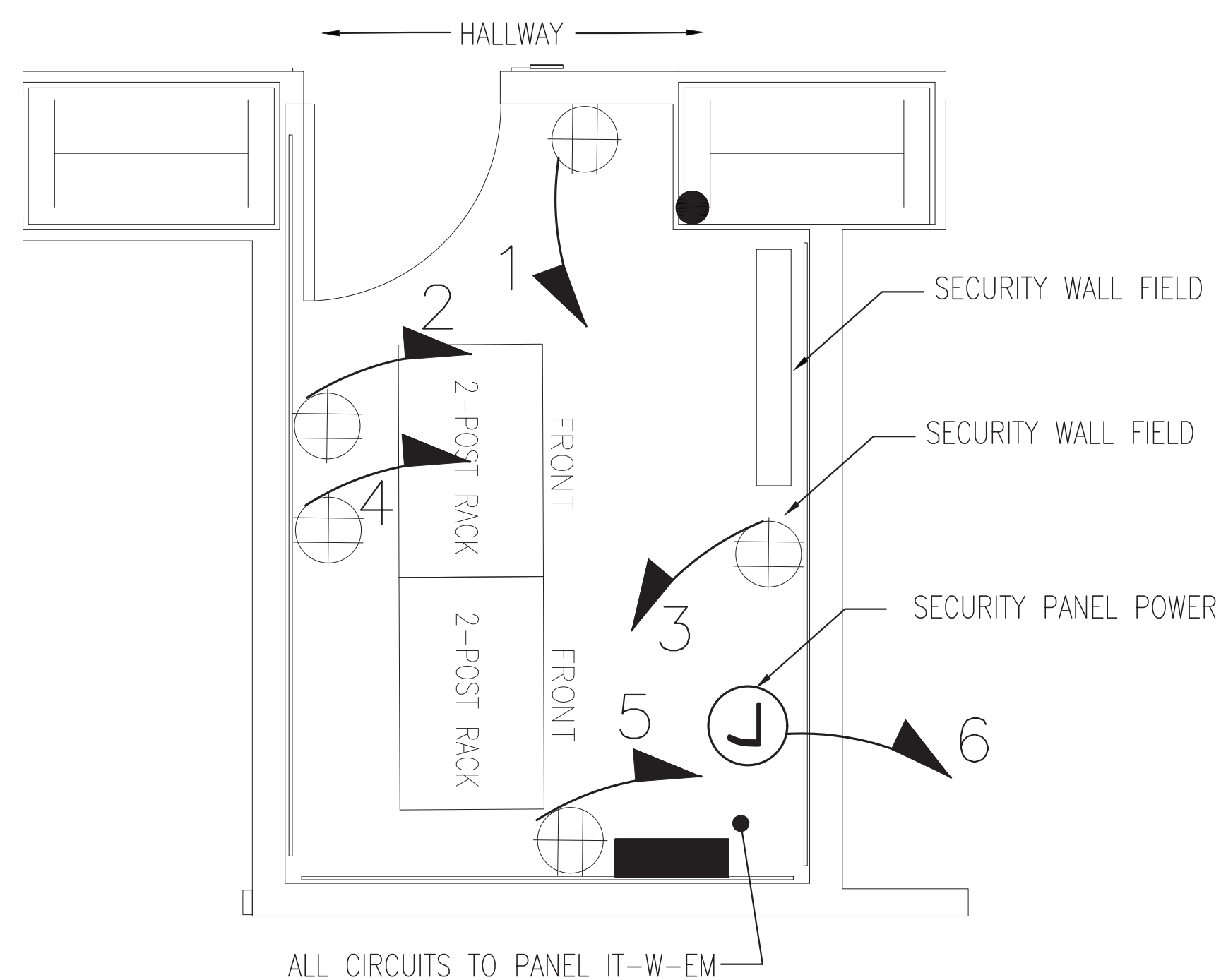
CKT. NUM.	P	C.B. TRIP	L.O.A.D. TYPE	FEEDER SIZE	VA	VA B	VA C	DESCRIPTION	CKT. NUM.	P	C.B. TRIP	L.O.A.D. TYPE	FEEDER SIZE	VA	VA B	VA C	DESCRIPTION	L.O.A.D. CON.	L.O.A.D. TYPE		
1	1	20	368	7	2#12*#12G	998		FAN COILS	2	1	20	2#12*#12G	3189				FAN COILS	3189			
3	1	20	3070	1	2#12*#12G		3070	OFF LTG	4	1	20	2#12*#12G			1079		CORR LTG	1079	1		
5	1	20	2489	1	2#12*#12G		2489	OFF LTG	6	1	20	2#12*#12G				2054	CORR LTG	2054	1		
7	1	20	3000	1	2#12*#12G	3000		EM INTERFACE	8	1	20	2#12*#12G	1000				QRR LTG	1000	1		
9	1	20	-	-	-		0	SPARE	10	1	20	-	-		0		SPARE	-	-		
11	1	20	-	-	-		0	SPARE	12	1	20	-	-		0		SPARE	-	-		
13	1	20	-	-	-		0	SPARE	14	1	20	-	-		0		SPARE	-	-		
15	1	20	-	-	-		0	SPARE	16	1	20	-	-		0		SPARE	-	-		
17	1	20	-	-	-		0	SPARE	18	1	20	-	-		0		SPARE	-	-		
19	1	20	-	-	-		0	SPARE	20	1	20	-	-		0		SPARE	-	-		
21	1	20	-	-	-		0	SPARE	22	1	20	-	-		0		SPARE	-	-		
23	1	20	-	-	-		0	SPARE	24	1	20	-	-		0		SPARE	-	-		
=====	=====	=====	=====	=====	=====	=====	=====	=====	26	3	225			24562				24562	3		
=====	=====	=====	=====	=====	=====	=====	=====	=====	28	3	=====							24562	3		
=====	=====	=====	=====	=====	=====	=====	=====	=====	30	=====			SEE RISER		24562	24562	XFMR-3-1	24562	3		
CONNECTED								DEMAND													
12692								12692													
2). RECEPTACLES																ACTUAL CONNECTED LOAD				90564	VA
a. First 10,000 Watts @ 100%								100								TOTAL ESTIMATED DEMAND LOAD				90564	VA
b. Load greater than 10,000 Watts @ 50%								50								ACTUAL CONNECTED LOAD				108.93	AMPS
Receptacle total load								0													
3). MISCELLANEOUS								73687								73686.5					
a). HEAT								0													
b). KITCHEN								0													
6). MOTORS																TOTAL ESTIMATED DEMAND LOAD				108.93	AMPS
a. Largest motor load @ 125%								125								SPARE BREAKER CAPACITY				38.10%	
b. Additional loads at @ 100%								100								NOTE:					
Total Motot load								0								ALL LOAD CALCULATION ARE BASED ON CURRENT NEC VERSION AND ASSOCIATED LOCAL AMENDMENTS.					
7). HVAC								4185								100				4185	

PANEL SCHEDULE										DB-3-2		PANEL: 480/277V, 3PH, 4W, 400A BUS, 400M.C.B FEEDER: SEE RISER																							
VOLTS L-N		277 V																																	
VOLTS PH.		480 V																																	
PHASE		3																																	
CKT. NUM	POLE	C.B. TRIP	LOAD CON.	LOAD TYPE	FEEDER SIZE	V.A	V.A B	V.A C	DESCRIPTION	CKT. NUM	C.B. TRIP	C.B. SAMP	FEEDER SIZE	V.A	V.A B	V.A C	DESCRIPTION	LOAD CON.	LOAD TYPE																
1	1	20	3490	7	2#12+1#12G	3490			FAN COILS	2	1	20	2#12+1#12G	1328			FAN COILS	1328	7																
3	1	20	2417	7	2#12+1#12G		2417		FAN COILS	4	1	20	2#12+1#12G		1826		FAN COILS	1826	7																
5	1	20	1700	1	2#12+1#12G			1700	OFF LTG	8	1	20	2#12+1#12G			3567	OFF LTG	3567	1																
7	1	20	3230	1	2#12+1#12G	3230			OFFLOBBY LTG	9	1	20	2#12+1#12G	3762			OFF LTG	3762	1																
9	1	20	3000	1	2#12+1#12G		3000		EM INTERFACE	10	3	20			3880																				
11	1	20	-	-	-			0	SPARE	12	=====		4#12+1#12G			3880	RTU-1	3880	7																
13	1	20	-	-	-	0			SPARE	14	=====			3880				3880	7																
15	1	20	-	-	-		0		SPARE	16	1	20	-		0		SPARE	-	-																
17	1	20	-	-	-			0	SPARE	18	1	20	-			0	SPARE	-	-																
19	1	20	-	-	-	0			SPARE	20	3	100		9006			EXISTING DISCONNECT	9006	3																
21	1	20	-	-	-		0		SPARE	22	=====				9006			9006	3																
23	1	20	-	-	-			0	SPARE	24	=====																								
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	25**	3	225		27270				27270	3																
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	26**	=====			27270			XFMR 3-2	27270	3																
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	27**	=====				27270			27270	3																
1). LIGHTING						15298						100						15298																	
2). RECEPTACLES																		ACTUAL CONNECTED LOAD						144827 VA											
a. First 10,000 Watts @ 100%																								TOTAL ESTIMATED DEMAND LOAD						144827 VA					
b. Load greater than 10,000 Watts @ 50%																								ACTUAL CONNECTED LOAD						174.20 AMPS					
Receptacle total load																																			
3). MISCELLANEOUS												108828						100						108828											
a). HEAT												0						0																	
b). KITCHEN												0						0						TOTAL ESTIMATED DEMAND LOAD						174.20 AMPS					
9). MOTORS												0						0																	
a. Largest motor load @ 125%												125						-						SPARE BREAKER CAPACITY						21.43%					
b. Additional loads at @ 100%												100						0						NOTE:											
Total Motot load												0						0						ALL LOAD CALCULATION ARE BASED ON CURRENT NEC VERSION AND ASSOCIATED LOCAL AMENDMENTS.											
7). HVAC												20701						100						20701											

GENERAL NOTES

1. "••": INDICATES GFCI CIRCUIT BREAKER.
2. "•••": INDICATES CIRCUIT BREAKER WITH PERMANENTLY INSTALLED PADLOCK DEVICE SUCH AS EATON I-PKI OR APPROVED EQUAL.
3. LOADS SHOWN FOR PANELS/PB-3, DB-3-2, PNL-3-1 AND PNL-3-3 ACCOUNT FOR CONNECTIONS TO OTHER TRANSFORMERS/FANES. SEE RISER DIAGRAM ON E-303 FOR ALL TRANSFORMERS/FANES CONNECTIONS.
4. PANEL PNL-3-2 LOADS ARE INCORPORATED INTO PANEL PNL-3-1. PANEL PNL-3-4 LOADS ARE INCORPORATED INTO PANEL PNL-3-3.

CONSULTANT SEAL		CONSULTANT INFORMATION	
		<p align="center">Graf & Lewent Architects LLP</p> <p align="center">90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989</p>	
1	06/28/2021	MADE BY	APP'D BY
REVISION NUMBER	DATE	MADE BY	APP'D BY
			ADDENDUM #2
			REVISION
RECORD DRAWING CERTIFICATION			
<input type="checkbox"/>	AS BUILT - CHANGES AS NOTED		
<input type="checkbox"/>	AS BUILT - NO CHANGES		
CONTRACTOR		CONTRACTOR	
NAME: _____		NAME: _____	
SIGNATURE: _____		SIGNATURE: _____	
TITLE: _____ DATE: _____		TITLE: _____ DATE: _____	
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		19-514	
DIVISION OF ENGINEERING		SHEET NUMBER	
		E-040	
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS		SCALE: AS NOTED	
110 DR. MARTIN LUTHER KING, JR. BOULEVARD		DATE: MAY 20, 2021	
WHITE PLAINS, NEW YORK 10601		DPW FILE NO.	
PANEL SCHEDULES		52-01-E-591	
		REV NO. 1	

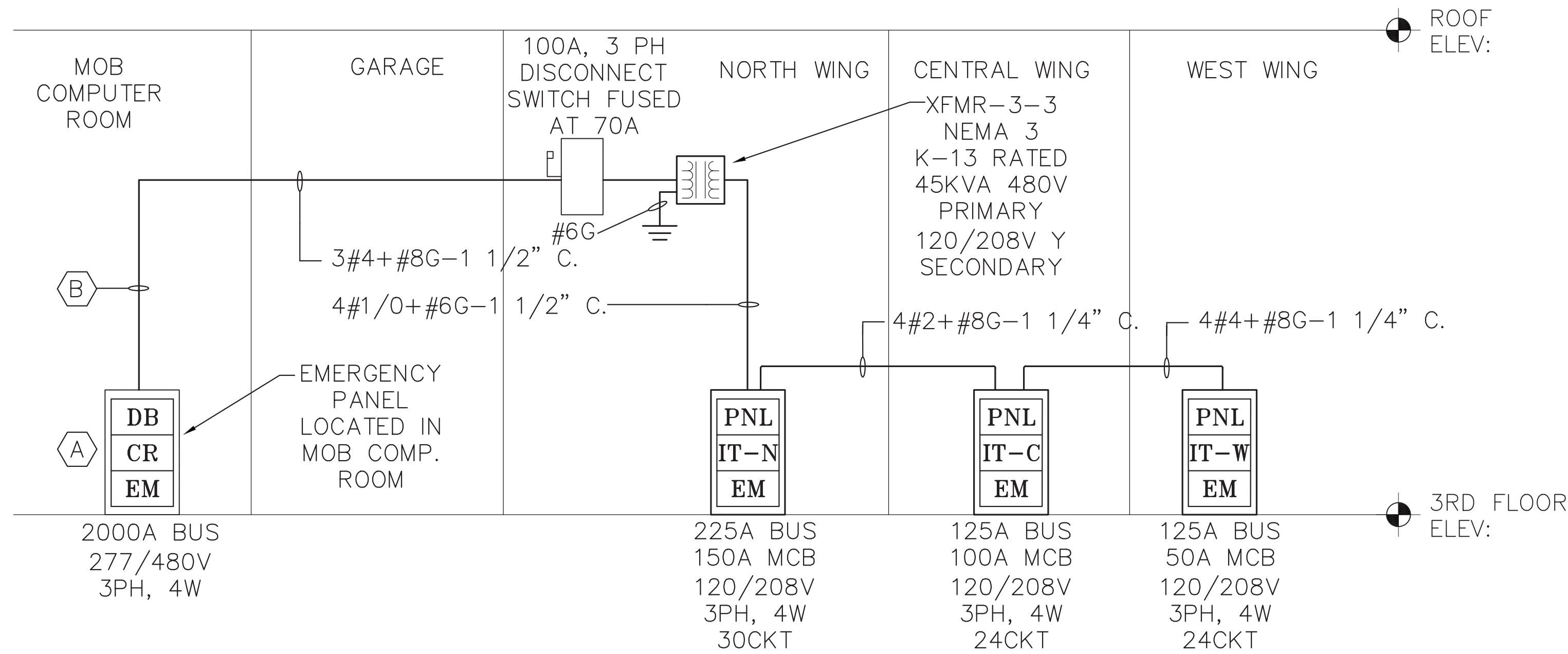


KEY NOTES

- (A) PROVIDE CONDUIT RUN TO NORTH WING IT ROOM, APPROX. 350 FEET. FINAL CONDUIT RUN SHALL BE VERIFIED IN FIELD.
- (B) PROVIDE CONDUIT RUN FROM NORTH WING IT ROOM TO CENTRAL WING AND WEST WING IT ROOM PANELS. VERIFY RUNS IN FIELD. SEE RISER FOR INFORMATION.
- (C) PROVIDE SHOP DRAWING WITH CONDUIT PATH FOR ENGINEER APPROVAL PRIOR TO WORK COMMENCING.
- (D) ADD/ALTERNATE: PROVIDE FEEDER TO GENERATOR NEAR COURTHOUSE AT APPROXIMATE LOCATION SHOWN. ESTIMATE FEEDER LENGTH AT 100 FEET FOR PRICING PURPOSES.

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOULD NOT BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

CONSULTANT SEAL		CONSULTANT INFORMATION																					
<h1 style="margin: 0;">Graf & Lewent</h1> <h2 style="margin: 0;">Architects LLP</h2> <p style="margin: 0;">90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989</p>																							
1	06/28/2021		ADDENDUM #2																				
REVISION NUMBER	DATE	MADE BY	REVISION																				
RECORD DRAWING CERTIFICATION																							
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES																							
CONTRACTOR NAME: _____ SIGNATURE: _____ TITLE: _____ DATE: _____		CONTRACTOR NAME: _____ SIGNATURE: _____ TITLE: _____ DATE: _____																					
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; font-size: x-small;">CONTRACT NUMBER</td> <td style="width: 60%;">19-514</td> <td style="width: 20%; font-size: x-small;">SHEET NUMBER</td> <td style="width: 20%; text-align: center; font-size: 2em; font-weight: bold;">E-104</td> </tr> <tr> <td style="font-size: x-small;">SHEET NO.</td> <td style="text-align: center;">16</td> <td style="font-size: x-small;">OF</td> <td style="text-align: center;">17</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">SCALE: AS NOTED</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">DATE: MAY 20, 2021</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">DPW FILE NO. 52-01-E-594A</td> </tr> </table>		CONTRACT NUMBER	19-514	SHEET NUMBER	E-104	SHEET NO.	16	OF	17	SCALE: AS NOTED				DATE: MAY 20, 2021				DPW FILE NO. 52-01-E-594A			
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SCALE: AS NOTED																							
DATE: MAY 20, 2021																							
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LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; font-size: x-small;">CONTRACT NUMBER</td> <td style="width: 60%;">19-514</td> <td style="width: 20%; font-size: x-small;">SHEET NUMBER</td> <td style="width: 20%; text-align: center; font-size: 2em; font-weight: bold;">E-104</td> </tr> <tr> <td style="font-size: x-small;">SHEET NO.</td> <td style="text-align: center;">16</td> <td style="font-size: x-small;">OF</td> <td style="text-align: center;">17</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">SCALE: AS NOTED</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">DATE: MAY 20, 2021</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">DPW FILE NO. 52-01-E-594A</td> </tr> </table>		CONTRACT NUMBER	19-514	SHEET NUMBER	E-104	SHEET NO.	16	OF	17	SCALE: AS NOTED				DATE: MAY 20, 2021				DPW FILE NO. 52-01-E-594A			
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SCALE: AS NOTED																							
DATE: MAY 20, 2021																							
DPW FILE NO. 52-01-E-594A																							
ELECTRICAL IT ROOM PART FALLS		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; font-size: x-small;">CONTRACT NUMBER</td> <td style="width: 60%;">19-514</td> <td style="width: 20%; font-size: x-small;">SHEET NUMBER</td> <td style="width: 20%; text-align: center; font-size: 2em; font-weight: bold;">E-104</td> </tr> <tr> <td style="font-size: x-small;">SHEET NO.</td> <td style="text-align: center;">16</td> <td style="font-size: x-small;">OF</td> <td style="text-align: center;">17</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">SCALE: AS NOTED</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">DATE: MAY 20, 2021</td> </tr> <tr> <td colspan="4" style="font-size: x-small;">DPW FILE NO. 52-01-E-594A</td> </tr> </table>		CONTRACT NUMBER	19-514	SHEET NUMBER	E-104	SHEET NO.	16	OF	17	SCALE: AS NOTED				DATE: MAY 20, 2021				DPW FILE NO. 52-01-E-594A			
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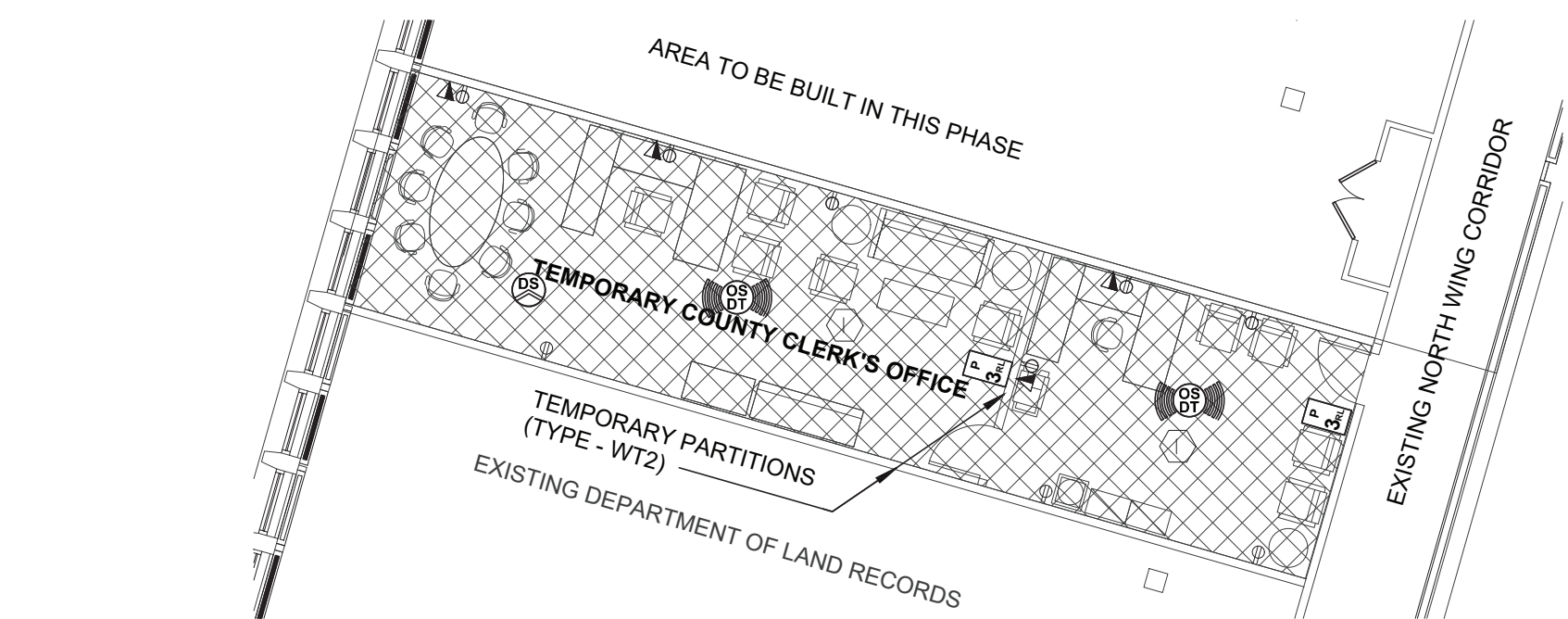


KEY NOTES

- A PROVIDE (1) 70A, 3P BREAKER TO SERVE IT ROOM PANELS VIA TRANSFORMER. NEW BREAKER SHALL MATCH DISTRIBUTION BOARD CHARACTERISTICS. PROVIDE ALTERNATE SCOPE TO PROVIDE 100A,3P DISCONNECT SWITCH FUSED AT 70A IF BREAKER IS NOT AVAILABLE.
- B ADD/ALTERNATE: PROVIDE SEPARATE LINE ITEM TO PROVIDE FEEDER FROM GENERATOR NEAR COURTHOUSE AT APPROXIMATE LOCATION SHOWN ON KEY PLAN. ESTIMATE FEEDER LENGTH AT 100 FEET FOR PRICING PURPOSES.

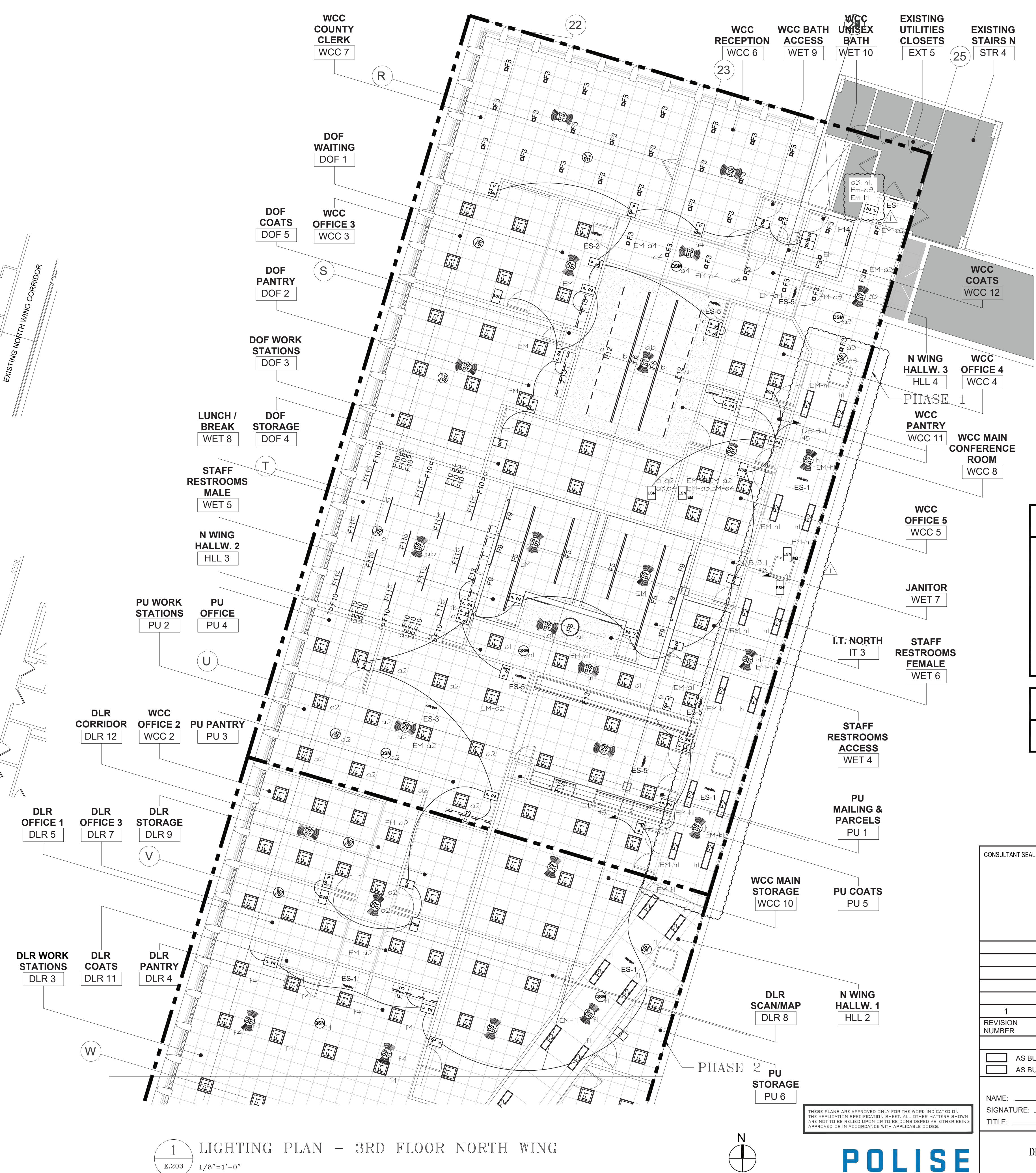
1 IT ROOM BACK-UP POWER PART RISER DIAGRAM
E.105 1/2"=1'-0"

PANEL SCHEDULE										IT-N-EM				PANEL: 208/120V, 3PH, 4W, 225A BUS, 150AM.C.B FEEDER: SEE RISER									
VOLTS L-N 120 V VOLTS PH. 208 V PHASE 3																							
CKT. NUM.	POLE	TRIP	C.B. LOAD CON.	LOAD TYPE	FEEDER SIZE	VA A	VA B	VA C	DESCRIPTION	CKT. NUM.	C.B. NUM.	C.B. POLES	C.B. AMPS	FEEDER SIZE	VA A	VA B	VA C	DESCRIPTION	LOAD CON.	LOAD TYPE			
1	1	20	1500	7	2#12#12G	1500			IT RECEPTACLE	2	1	20		2#12#12G	1500			IT RECEPTACLE	1500	7			
3	1	20	1500	1	2#12#12G		1500		IT RECEPTACLE	4	1	20		2#12#12G		1500		IT RECEPTACLE	1500	1			
5	1	20	1500	1	2#12#12G			1500	IT RECEPTACLE	6	1	20		2#12#12G			500	SECURITY PANEL	500	1			
7	1	20	-	-	2#12#12G	0			SPARE	8	1	20	-	-	0			SPARE	-	-			
9	1	20	-	-	-		0		SPARE	10	1	20	-	-		0		SPARE	-	-			
11	1	20	-	-	-			0	SPARE	12	1	20	-	-			0	SPARE	-	-			
13	1	20	-	-	-		0		SPARE	14	1	20	-	-		0		SPARE	-	-			
15	1	20	-	-	-			0	SPARE	16	1	20	-	-			0	SPARE	-	-			
17	1	20	-	-	-			0	SPARE	18	1	20	-	-			0	SPARE	-	-			
19	1	20	-	-	-		0		SPARE	20	1	20	-	-		0		SPARE	-	-			
21	1	20	-	-	-			0	SPARE	22	1	20	-	-			0	SPARE	-	-			
23	1	20	-	-	-			0	SPARE	24	1	20	-	-			0	SPARE	-	-			
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A detailed floor plan of the temporary legal offices. The plan shows a rectangular room with a grid of cubicles. A central area is labeled 'TEMP. PARTITION (TYPE - WTS)'. The cubicles are numbered 1 through 8. A door is labeled 'DOOR'. A callout box points to the area with the text 'TEMPORARY LEGAL OFFICES'.

3 LIGHTING PLAN - TEMPORARY
E.103 LEGAL OFFICE PHASE 2
3/32"=1'-0"



1 LIGHTING PLAN - 3RD FLOOR NORTH WING
E.203 1/8"=1'-0"

1. REFER TO ARCHITECTURAL PLANS FOR ALL LIGHTING FIXTURE LOCATIONS AND LIGHTING FIXTURE SWITCHES.
2. ALL EMERGENCY LIGHTING SHOWN ON E-202 TO BE CIRCUITED TO 1 POLE 20A CIRCUIT BREAKER IN EXISTING EMERGENCY PANEL LP-T5-E3 LOCATED WITHIN COURTHOUSE BUILDING. SEE E-030 DETAIL #4 FOR APPROXIMATE LOCATION OF PANEL.
3. REFER TO ELECTRICAL PHASING NOTES ON E-010 FOR ALL PHASING DETAILS.
4. LIGHTING FIXTURES ARE TO BE TAKEN AT 277V U.O.N.
5. WIRE ALL EXIT SIGN TO EXISTING CIRCUIT SERVING EXISTING EXIT SIGNS.
6. DESIGN INTENT IS FOR ALL ENS, GSM, AND ATHENA HUBS ARE TO BE LOCATED WITHIN CEILING ABOVE. ENS AND GSM DEVICES ARE SHOWN FOR CIRCUITING INTENT ONLY.

- ① WIRE TEMPORARY LIGHTING FIXTURES AND LIGHTING CONTROLS SERVING SPACE TO 1 POLE 20A CIRCUIT IN PANEL DB-3-1 WITH 2#12+#12G-3/4".

CONSULTANT SEAL		CONSULTANT INFORMATION	
		<div style="text-align: center;"><h1>Graf & Lewent</h1><h2>Architects LLP</h2><p>90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989</p></div>	
1	06/28/2021		
REVISION NUMBER	DATE	MADE BY	APP'D BY
		ADDENDUM #2	
		REVISION	
RECORD DRAWING CERTIFICATION			
<div><input type="checkbox"/> AS BUILT - CHANGES AS NOTED</div> <div><input type="checkbox"/> AS BUILT - NO CHANGES</div>			
CONTRACTOR		CONTRACTOR	
NAME: _____		NAME: _____	
SIGNATURE: _____		SIGNATURE: _____	
TITLE: _____ DATE: _____		TITLE: _____ DATE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER 19-514	SHEET NUMBER E-203
DIVISION OF ENGINEERING		SHEET NO. 11 OF 15	
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601		SCALE: AS NOTED DATE: MAY 20, 2021	
LIGHTING PLAN - 3RD FLOOR NORTH WING		DPW FILE NO. 52-01-E-598	REV NO. 1

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POLISE
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GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE LOCAL CODES AND REGULATIONS, TIA/EIA TELECOMMUNICATIONS STANDARDS, BICSI STANDARDS, AND CONSTRUCTION STANDARDS.
2. THE TELECOM AND ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING TO THE TELECOM CONSULTANT, IN A TIMELY MANNER, ANY DISCREPANCIES BETWEEN THESE BID DOCUMENTS AND ACTUAL FIELD CONDITIONS OR OTHER TRADE DRAWINGS.
3. ELECTRICAL POWER LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
4. IN CASE OF DISCREPANCY, THE TELECOM BACKGROUNDS CONFLICT WITH THE ARCHITECTURAL BACKGROUNDS, THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE ARCHITECT.

TELECOM CONTRACTOR NOTES:

1. TELECOMMUNICATIONS CONTRACTOR IS RESPONSIBLE FOR ALL WORK DESCRIBED IN THE BID DOCUMENTS UNLESS OTHERWISE NOTED AND HE/SHE SHALL BE REFERRED TO THROUGHOUT THESE DOCUMENTS AS THE "TELECOM CONTRACTOR". THE BID DOCUMENTS INCLUDE THE CONTRACT DRAWINGS, SPECIFICATION AND THE ARCHITECTS AND THE CONTRACTOR'S GENERAL TERMS AND CONDITIONS.
2. TELECOMMUNICATIONS CONTRACTOR SHALL INSTALL ALL EQUIPMENT IDENTIFIED ON THE DRAWINGS UNLESS OTHERWISE NOTED.
3. TELECOMMUNICATIONS CONTRACTOR SHALL RUN ALL CABLING IN DEDICATED PATHWAYS OR THOSE PATHWAYS IDENTIFIED FOR LOW VOLTAGE SYSTEMS.
4. ALL CABLE PATHWAYS SHALL BE CONCEALED IN WALL AND CEILING SPACES WHERE POSSIBLE UNLESS OTHERWISE NOTED.
5. ALL CABLE PATHWAYS SHALL BE RUN PARALLEL OR ORTHOGONAL TO WALLS, FLOORS, AND CEILINGS.
6. CABLE DISTRIBUTION ABOVE ACCESSIBLE CEILINGS SHALL BE RUN USING J-HOOKS AT NO MORE THAN 5'-0" SPACINGS PROVIDED BY THE COMMUNICATIONS CONTRACTOR. UNLESS OTHERWISE NOTED.
7. TELECOMMUNICATIONS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADE DRAWINGS. FURTHERMORE, HE/SHE SHALL BE RESPONSIBLE FOR SURVEYING THE FACILITY TO LOCATE ALL BACKBOXES, CONDUITS, STUB-UPS, CABLE TRAYS, AND OTHER WIREWAYS PROVIDED BY OTHERS AND DESIGNATED FOR CABLES AS SHOWN ON THE TELECOM DRAWINGS.
8. REFER TO SECURITY DRAWINGS FOR SECURITY DEVICE LOCATIONS
9. COORDINATE ALL WORK AT GARAGE LEVEL WITH FACILITY PERSONNEL FOR INSTALLATION OF FIBER BACKBONE CABLING.

ELECTRICAL CONTRACTOR NOTES:

1. POWER RECEPTACLES, SWITCHES, ETC. SHOWN ON THESE DRAWINGS ARE FOR INFORMATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR ACTUAL QUANTITIES AND LOCATIONS
2. ALL CONDUIT, SLEEVES, FLOOR BOXES, STUB UPS, CABLE TRAY, RACEWAYS, BACK BOXES, AND ACCESS PANELS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR SHALL SURVEY THE LOCATION OF MECHANICAL, PLUMBING AND OTHER EQUIPMENT AS REQUIRED PRIOR WORK EXECUTION IN ORDER TO PROPERLY COORDINATE CABLE PATHWAYS.
4. THE EXACT PATH OF THE CONDUITS IS TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL BE DEBARRED, CLEANED, CAPPED, TAGGED AND FURNISHED WITH PULL WIRES (BY THE ELECTRICAL CONTRACTOR).
5. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUITS IN ALL EXPOSED AND INACCESSIBLE WALLS AND CEILINGS FOR THE PURPOSE OF PULLING CABLING TO TELECOMMUNICATIONS OUTLET LOCATIONS.
6. WHEN PENETRATING THE SLAB, SLEEVES SHALL BE CUT A MINIMUM OF 3 INCHES ABOVE THE FINISHED SLAB.
7. PROVIDE PLASTIC BUSHINGS AT ALL SLEEVE AND OPEN CONDUIT ENDS
8. THE CONTRACTOR SHALL RE-ESTABLISH THE FIRE RATING OF ALL PENETRATIONS MADE BY THE CONTRACTOR THROUGH FIRE RATED FLOORS OR WALLS.
9. PROVIDE A PULL BOX IN CONDUIT RUNS SUCH THAT (REFER TO TABLES):

– MAXIMUM CONTINUOUS CONDUIT RUN SHALL NOT EXCEED 100FT

– NO MORE THAN TWO 90 DEGREE BENDS EXIST IN A CONTINUOUS CONDUIT RUN

– AT LEAST ONE PULL BOX PER REVERSE (U-SHAPED) BEND IN CONDUIT RUN










– IT IS LOCATED IN THE STRAIGHT SECTION OF A CONDUIT AND NOT IN LIEU OF A BEND

– ALL PULL BOXES ARE ACCESSIBLE AND HAVE REMOVABLE COVERS
10. THE MINIMUM BEND RADIUS FOR A CONDUIT THAT IS 2" OR LESS IN DIAMETER SHOULD BE 6 TIMES THE INTERNAL CONDUIT DIAMETER. IF THE CONDUIT IS LARGER THAN 2" THE BEND RADIUS SHOULD BE 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT
11. ALL HORIZONTAL PATHWAYS SHALL BE ROUTED SUCH THAT THE TOTAL CABLE LENGTH SHALL NOT EXCEED 295FT. IF THIS REQUIREMENT CANNOT BE MET, CONTACT THE ENGINEER PRIOR TO PATHWAY INSTALLATION








DRAWING LIST

1	T-001	TELECOMMUNICATIONS ABBREVIATIONS, LEGEND AND NOTES
2	T-002	TELECOMMUNICATIONS GENERAL NOTES
3	T-101	TELECOMMUNICATIONS PLAN – 3RD FLOOR WEST WING
4	T-102	TELECOMMUNICATIONS PLAN – 3RD FLOOR CENTRAL WING
5	T-103	TELECOMMUNICATIONS PLAN – 3RD FLOOR NORTH WING
6	T-104	TELECOMMUNICATIONS PART PLANS
7	T-300	TELECOMMUNICATIONS RISER DIAGRAM
8	T-301	TELECOMMUNICATIONS RISER DIAGRAM
9	T-400	TELECOMMUNICATIONS INSTALLATION DETAILS
10	T-401	TELECOMMUNICATIONS INSTALLATION DETAILS













SECURITY LEGEND

ACCESS CONTROL ALARM MONITORING		CCTV SURVEILLANCE	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CARD READER		FIXED CCTV CAMERA – CEILING MOUNTED
	MAGNETIC CONTACT		CAMERA POWER SUPPLY
	ELECTRIC LOCKSET WITH INTEGRATED REQUEST TO EXIT		DIGITAL VIDEO RECORDER
	MOTION DETECTOR REQUEST TO EXIT		CCTV MONITOR
	MOTION DETECTOR		

OUTLET TYPES AND SYSTEMS

SYMBOL	OUTLET DESCRIPTION	CABLE DESCRIPTION	REMARK
	2-PORT OUTLET: (1) VOICE (1) DATA	(2) 4-PAIR UTP CATEGORY 6A CABLES	PROVIDE SINGLE GANG BOX WITH (1) 3/4" EMT STUB-UP / CONDUIT AS APPLICABLE
	2-PORT OUTLET: (1) VOICE (1) DATA	(2) 4-PAIR UTP CATEGORY 6A CABLES	
	2-PORT OUTLET: (1) VOICE (1) DATA	(2) 4-PAIR UTP CATEGORY 6A CABLES	
	2-PORT OUTLET: (1) VOICE (1) DATA	(2) 4-PAIR UTP CATEGORY 6A CABLES	
	CCTV OUTLET	(1) 4-PAIR UTP CATEGORY 6A CABLES	PROVIDE 1" EMT EMPTY CONDUIT AND SINGLE GANG BACKBOX WITH PULL STRING TO NEAREST TELECOM ROOM. SEE RISER.
	CCTV OUTLET	(1) 4-PAIR UTP CATEGORY 6A CABLES	PROVIDE 1" EMT EMPTY CONDUIT AND SINGLE GANG BACKBOX WITH PULL STRING TO NEAREST TELECOM ROOM. SEE RISER.
	WIRELESS ACCESS POINT	(1) 4-PAIR UTP CATEGORY 6A CABLES	10 FEET OF CABLE TO BE LEFT COILED IN CEILING/WALL

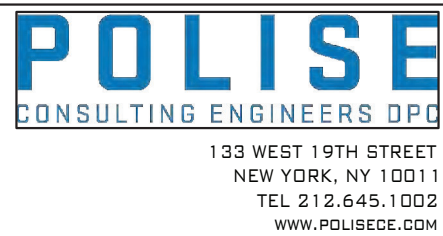
LEGEND

SYMBOL	DESCRIPTION
	WALL MOUNTED TELE / DATA OUTLET
	FLOOR MOUNTED TEL / DATA OUTLET
	FURNITURE MOUNTED TELE / DATA OUTLET
	MULLION MOUNTED TELE / DATA OUTLET
	CABLE TRAY OUTSIDE THE TELECOMMUNICATIONS ROOM
	CABLE TRAY IN TELECOMMUNICATIONS ROOM
	CONDUIT GOING UP
	CONDUIT GOING DOWN
	CONDUIT END WITH INSULATED BUSHING
	PULL BOX REFER TO DETAIL #2 OF DWG T08.01 FOR PULL BOX SIZE CONFIGURATION
	MECHANICAL FIRE STOP
	WIRELESS ACCESS POINT

ABBREVIATIONS

SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AP	ACCESS POINT
BMS	BUILDING MANAGEMENT SYSTEM
C, COND	CONDUIT
CAB	CABINET
CAT	CATEGORY
CTV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CNE	COMMON NETWORK EQUIPMENT
CP	CONSOLIDATION POINT
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
ELEC	ELECTRICAL
F, FO	FIBER OPTICS
FM	FURNITURE MOUNTED
G, GRD	GROUND
KVA	KILO VOLT- AMPERE
KW	KILO WATT
LAN	LOCAL AREA NETWORK
LV	LOW VOLTAGE
MCR	MAIN COMMUNICATION ROOM
MIN	MINIMUM
MM	MULTI-MODE FIBER OPTIC CABLES
MTD	MOUNTED
N	NEUTRAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO, #	NUMBER
NTS	NOT TO SCALE
OS	OUTSIDE RATED CABLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PBX	PRIVATE BRANCH EXCHANGE
PVC	POLYVINYL CHLORIDE
PWR	POWER
RM	ROOM
RMU	RACK MOUNT UNIT
SCS	STRUCTURED CABLING SYSTEM
SEC	SECURITY
SM	SINGLE MODE FIBER OPTIC CABLES
SPEC	SPECIFICATIONS
STP	SHIELDED TWISTED PAIR
SW	SWITCH
TAO	TERMINAL AREA OUTLET
TBD	TO BE DETERMINED
TC	TELECOMMUNICATIONS CONTRACTOR
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UNF	UNFUSED
UPS	UNINTERRUPTABLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VA	VOLT-AMPERES
VISPG	VISUAL DISPLAY UNIT
W	WEATHER PROOF
WAN	WIDE AREA NETWORK
WLAN	WIRELESS LOCAL AREA NETWORK

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CONSULTANT SEAL		CONSULTANT INFORMATION			
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2	06/28/2021				ADDENDUM #2
1	06/21/2021				ADDENDUM #1
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<div><input type="checkbox"/> AS BUILT - CHANGES AS NOTED</div> <div><input type="checkbox"/> AS BUILT - NO CHANGES</div>					
CONTRACTOR			CONTRACTOR		
NAME: _____			NAME: _____		
SIGNATURE: _____			SIGNATURE: _____		
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LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601					
TELECOMMUNICATIONS ABBREVIATIONS, LEGEND AND NOTES					
CONTRACT NUMBER 19-514		SHEET NUMBER T-001			
SHEET NO. 1		OF 10			
SCALE: AS NOTED					
DATE: MAY 20, 2021					
DPW FILE NO.					
52-01-T-617-0					
REV NO. 0					

GENERAL NOTES

1. THE TELECOMMUNICATIONS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE WORK DESCRIBED IN THE BID DOCUMENTS AND SHALL BE REFERRED TO THROUGHOUT THESE DOCUMENTS AS "CONTRACTOR". THE PROJECT DOCUMENTS SHALL INCLUDE THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE PROJECT GENERAL CONDITIONS. IF THE GENERAL CONDITIONS AND THE PROJECT GENERAL CONDITIONS DIFFER ON THE SAME POINT THEN THE MOST STRICT DEFINITION AND/OR INTERPRETATION SHALL BE FOLLOWED.
2. NOTES AND GRAPHIC REPRESENTATIONS ON THE DRAWINGS SHALL NOT LIMIT THE EXTENT OF THE WORK REQUIRED. CONTRACTOR SHALL PROVIDE A COMPLETE TURNKEY FULLY OPERATIONAL SYSTEM BASED UPON THE CONSTRUCTION DOCUMENTS. QUESTIONS REGARDING THE INTENT OF THE DESIGN SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE FINAL TELECOMMUNICATIONS SYSTEM EQUIPMENT LAYOUT AS SHOWN ON THE DRAWINGS WITH THE SITE CONDITIONS. CONFLICTS, IF ANY, SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHO SHALL APPROVE ALL CHANGES PRIOR TO THE INSTALLATION OF THE WORK.
4. ALL CONDUITS, PENETRATIONS, JUNCTION BOXES CABLE LADDERS AND REQUIRED SUPPORTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
5. THE CONTRACTOR SHALL VERIFY THE SIZE OF ALL CONDUCTORS. THE NUMBER OF CONDUCTORS REQUIRED MAY VARY DEPENDENT ON THE MANUFACTURERS OF EQUIPMENT SELECTED BY THE CONTRACTOR. IF THE EQUIPMENT THAT THE CONTRACTOR INTENDS TO FURNISH AND INSTALL HAS ANY SPECIAL REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE FOR THESE REQUIREMENTS IN THE BID AT NO EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY THE SIZE OF ALL CONDUITS AND JUNCTION BOXES (40% MAXIMUM FILL) WITH THE ELECTRICAL CONTRACTOR. THE MINIMUM CONDUIT SIZE SHALL BE ¾".
6. CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER PRIOR TO INSTALLATION OF WORK IF ANY MOUNTING LOCATIONS NOTED ON THE DRAWINGS ARE OBSTRUCTED AND/OR IF ANY MOUNTING LOCATION CONFLICTS OR PROBLEMS ARE DISCOVERED.
7. WIRING SYSTEMS SHALL BE CONSISTENTLY COLOR CODED AND TAGGED. COORDINATION OF EXACT WIRE CODING AND TAGGING IS MANDATORY AND PART OF THE SUBMITTAL PROCESS. THE CONTRACTOR IS DIRECTLY RESPONSIBLE FOR COORDINATING WIRING FROM EQUIPMENT MANUFACTURERS' TERMINAL STRIPS TO THE FINAL CONNECTION POINTS OF EQUIPMENT WITHIN THE SCOPE OF THE PROJECT.
8. MINIMUM SIZE OF CONDUCTORS SHALL BE 18 AWG, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL MODIFY STANDARD EQUIPMENT INPUT/OUTPUT WIRING TERMINALS TO ACCEPT 18 AWG. EXCEPTIONS MAY BE ALLOWED FOR MANUFACTURER PROVIDED LEADS AND INTERNAL EQUIPMENT WIRING, IF APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL NOT EXCEED THE MAXIMUM TENSILE FORCE THAT THE MANUFACTURER RECOMMENDS WHEN PULLING CABLE.
9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 110 VAC INPUT POWER FOR POWER SUPPLIES AND OTHER SYSTEM COMPONENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE POWER REQUIREMENTS. ALL EQUIPMENT, INCLUDING LOCAL UPS UNITS AND BATTERY BACK-UP POWER SUPPLIES, SHALL BE FROM DEDICATED CIRCUIT BREAKERS CONNECTED TO THE BUILDING'S EMERGENCY POWER DISTRIBUTION SYSTEM.
10. RACEWAYS AND CONDUITS SHALL BE CONCEALED IN WALL AND CEILING. EXPOSED RACEWAYS, WHERE NECESSARY AND APPROVED BY THE ENGINEER, SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO WALLS.
11. WHERE CABLES PASS THROUGH FIRE RATED, FIRE RESISTANT AND/OR FIRE STOPPED FLOORS AND WALLS USE CABLE SLEEVES THAT PREVENT THE SPREAD OF FIRE OR PRODUCTS OF COMBUSTION. SLEEVES SHALL NELSON "FLAME SEAL" OR AS APPROVED BY THE ENGINEER. APPROVED FIRE SEALS SHALL ALSO BE PROVIDED AT ALL CABLE AND CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS.
12. 110 VAC POWER CONDUCTORS SHALL NOT BE INSTALLED IN THE SAME CONDUIT AS LOW VOLTAGE AUDIO, VIDEO, CONTROL, DC POWER OR ANY OTHER LOW VOLTAGE CABLES.
13. ALL CONDUIT ROUTES SHALL BE GROUNDED AND BONDED.
14. THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT THE BEND RADIUS OF CONDUITS SHALL BE NO LESS THAN SIX TIMES THE OUTSIDE DIAMETER OF THAT CONDUIT. (6X CONDUIT OD). BUSHINGS SHALL BE INSTALLED AT THE END OF ALL CONDUITS TO AVOID CHAFFING OF THE CABLE. IN ADDITION, CONDUIT RUNS CANNOT CONTAIN THE EQUIVALENT OF TWO 90-DEGREE TURNS IN ANY DIMENSIONAL PLANE WITHOUT THE ADDITION OF A PULL BOX.
15. ALL ELECTRICAL, SAFETY AND FIRE CODES SHALL BE FOLLOWED. IF NATIONAL, STATE AND/OR CITY CODES DIFFER ON THE SAME POINT THEN THE MOST STRICT DEFINITION AND/OR INTERPRETATION SHALL BE FOLLOWED.
16. SECURITY CONDUITS INSTALLED TO SUPPORT SECURITY DEVICES SHALL HAVE A 2" GREEN BAND PAINTED ON THE CONDUIT EVERY 20'.
17. EACH INPUT SENSOR SHALL BE CONSIDERED AN INDIVIDUAL ZONE, ELECTRICALLY SUPERVISED AND INSTALLED DIRECTLY (NO SPLICES PERMITTED) TO ITS APPROPRIATE MULTIPLEXER CABINET. END-OF-LINE DEVICES SHALL HAVE A HEAT SHRINK COVERING OVER THE TERMINATION. THE USE OF WIRE-NUTS IS PROHIBITED. TAMPER SWITCH INPUTS SHALL BE CONSIDERED ADDITIONAL ZONES SEPERATE FROM THE ALARM SIGNAL INPUTS.

COMMUNICATIONS DEMOLITION NOTES:

1. REFER TO PHASING PLAN ON ARCHITECTURAL DRAWINGS PRIOR TO DEMOLITION WORK.
2. LOCATE, IDENTIFY, SEPARATE, AND COMPLETELY REMOVE AND DISPOSE OF ALL EXISTING COMMUNICATIONS CABLING WITHIN THE AREAS TO BE RENOVATED AND THE EXISTING TERMINATIONS IN THE COMMUNICATIONS CLOSETS IN ACCORDANCE WITH ELECTRICAL CODE REQUIREMENTS FOR REMOVAL OF ABANDONED CABLING.
3. OTHER ACTIVE LOW VOLTAGE CABLING (INCLUDING COMMUNICATION CABLING) SERVING AREAS NOT TO BE RENOVATED MAY BE BUNDLED AND ROUTED TO MAINTAIN CONNECTIVITY. DO NOT REMOVE OR DAMAGE ANY CABLING SERVING AREAS NOT TO BE RENOVATED.
4. ACTIVE OPTICAL FIBER AND COPPER RISER CABLES, NETWORK SWITCHES, AND OTHER ACTIVE EQUIPMENT IS PRESENT IN THE TELECOM CLOSET. DO NOT DAMAGE OR DISTURB.
5. REMOVE AND SAVE FOR OWNER'S REUSE OWNER'S EXISTING EQUIPMENT RACKS AND PATCH PANELS IN EXISTING COMMUNICATIONS CLOSET. OUTLET & STUB-UP TO BE REMOVED.

GROUNDING AND BONDING NOTES:

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

SECURITY INSTALLATION NOTES:

1. ALL WIRING SHALL BE INSTALLED ACCORDING TO THE LATEST REVISION OF THE NATIONAL ELECTRIC CODE, ARTICLE 760.
2. ALL CONDUCTORS MUST TEST FREE OF OPENS, SHORTS AND GROUNDS.
3. WHEN INSTALLING SHIELDED CABLE, THE FOLLOWING MUST BE OBSERVED: A. METALLIC CONTINUITY MUST BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE CABLE RUN. B. THE CABLE SHIELD MUST BE ISOLATED FROM GROUND.
4. GROUNDING MUST COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE. GROUNDING CONDUCTOR MUST BE NO. 10 AWG SINGLE CONDUCTOR UNLESS OTHERWISE NOTED.

ACCESS CONTROL SYSTEM NOTES:

1. DO NOT RUN ANY AC WIRING (120VAC) IN SAME CONDUIT AS ACCESS CONTROL DATA COMMUNICATION, REQUEST TO EXIT OR DOOR CONTACT WIRING.
2. DO NOT RUN ELECTRIFIED LOCK WIRING IN SAME CONDUIT AS ACCESS CONTROL DATA COMMUNICATION WIRING.
3. AUXILIARY DEVICES SUCH AS MOTION DETECTOR REX AND ACCESS CONTROL MODULES WILL BE POWERED WITH NEW POWER SUPPLIES.

CCTV SURVEILLANCE SYSTEM NOTES:

1. MAXIMUM LENGTH FROM MASTER SERVER TO WORKSTATION COMPUTER IS 300 FEET.
2. CCTV CAMERA SHOULD NOT BE POINTED DIRECTLY AT THE SUN AS THE CCD IMAGER MAY BE PERMANENTLY DAMAGED.
3. ALL VIDEO SIGNAL CABLES SHALL BE HOMERUNS WITHOUT ANY SPLICES.
4. THE CCTV CAMERA LOCATIONS ARE SHOWN FOR INTENT. FINAL CAMERA MOUNTING LOCATIONS TO BE APPROVED BY CLIENT.

COMMUNICATIONS PATHWAY NOTES:

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

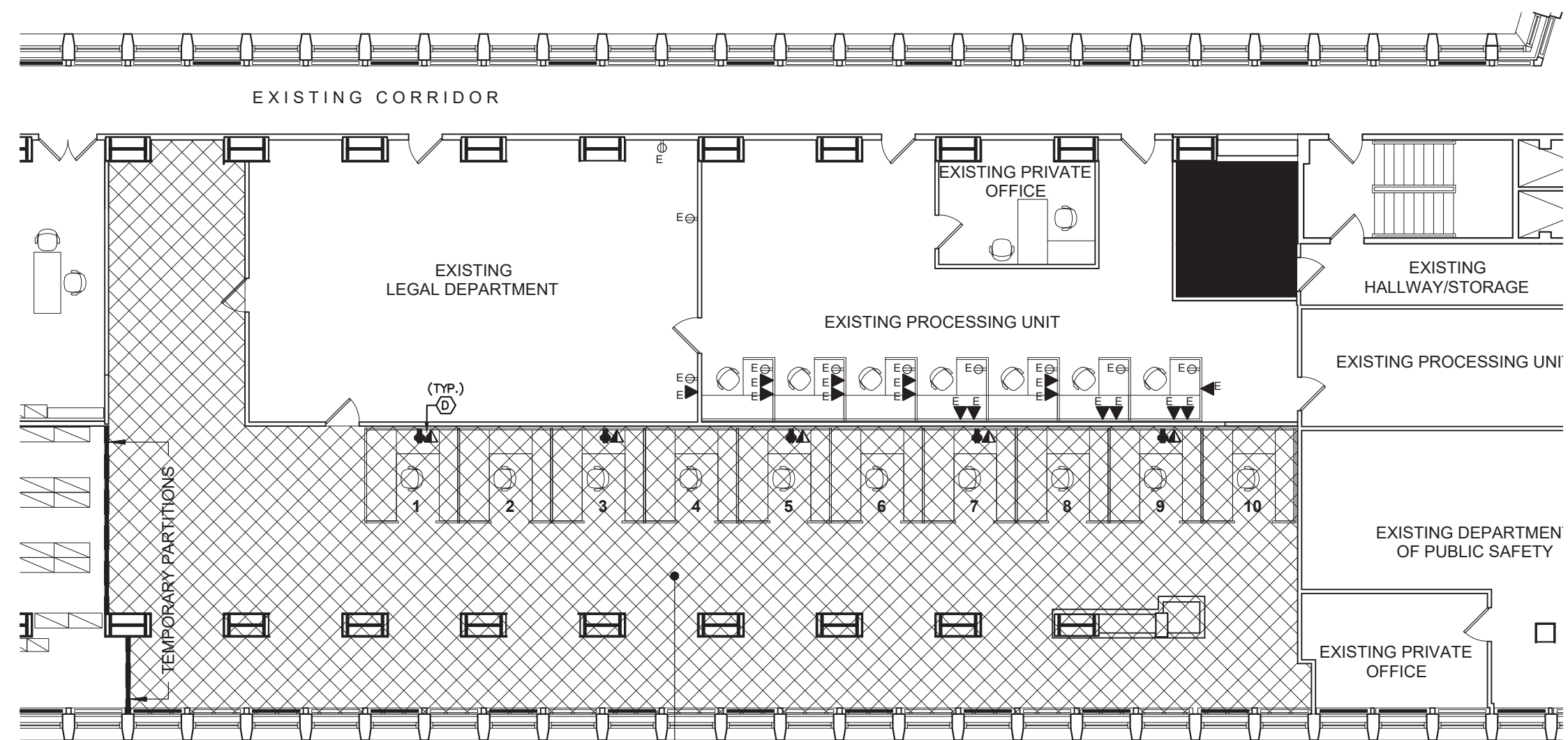
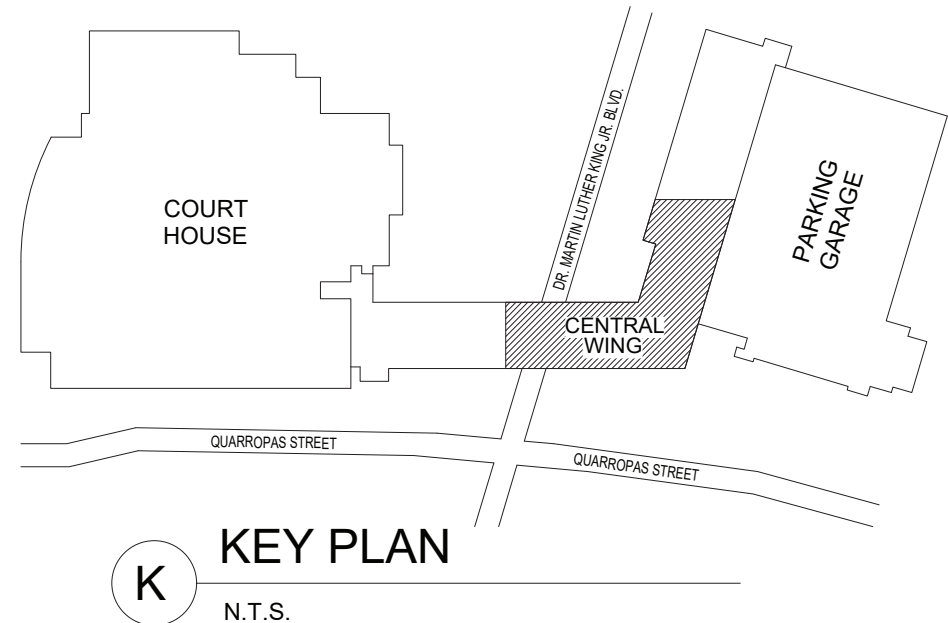
TELECOMMUNICATIONS AND ELECTRICAL DIVISION OF WORK

EQUIPMENT	SUPPLY	INSTALLATION	REMARKS
FACEPLATES	TC	TC	
HORIZONTAL CABLING AND CONNECTORS	TC	TC	
DEVICE CONDUIT	EC	EC	INCLUDING FLEX CONDUIT BETWEEN BACK BOX AND DEVICES
BACK BOXES, STUB UPS, AND ENCLOSURES	EC	EC	
J-HOOKS	TC	TC	
BACKBONE CABLING AND CONNECTORS	TC	TC	
CONDUIT PATHWAYS AND SLEEVES	EC	EC	INCLUDING GROUNDING AND BONDING
CABLE TRAY	TC	TC	INCLUDING LOCAL GROUNDING AND BONDING
LADDER RACK INSIDE TELECOM SPACES	TC	TC	INCLUDING LOCAL GROUNDING AND BONDING
RACKS AND CABINETS	TC	TC	INCLUDING LOCAL GROUNDING AND BONDING
RACK AND CABINET POWER STRIPS	TC	TC	
PATCH/WORK AREA/CROSSCONNECT CORDS	TC	TC	
PLYWOOD BACKBOARDS	TC	TC	
TERMINATION HARDWARE	TC	TC	
GROUNDING AND BONDING BUSBARS AND BACKBONES	EC	EC	
FIRESTOPPING	TC	TC	INCLUDES CONDUITS, SLEEVES, AND MECHANICAL FIRESTOPS AS SHOWN ON DRAWINGS
J-HOOKS	TC	TC	
LABELING	TC	TC	
TESTING	TC	TC	
TC = TELECOMMUNICATIONS CONTRACTOR			
EC = ELECTRICAL CONTRACTOR			

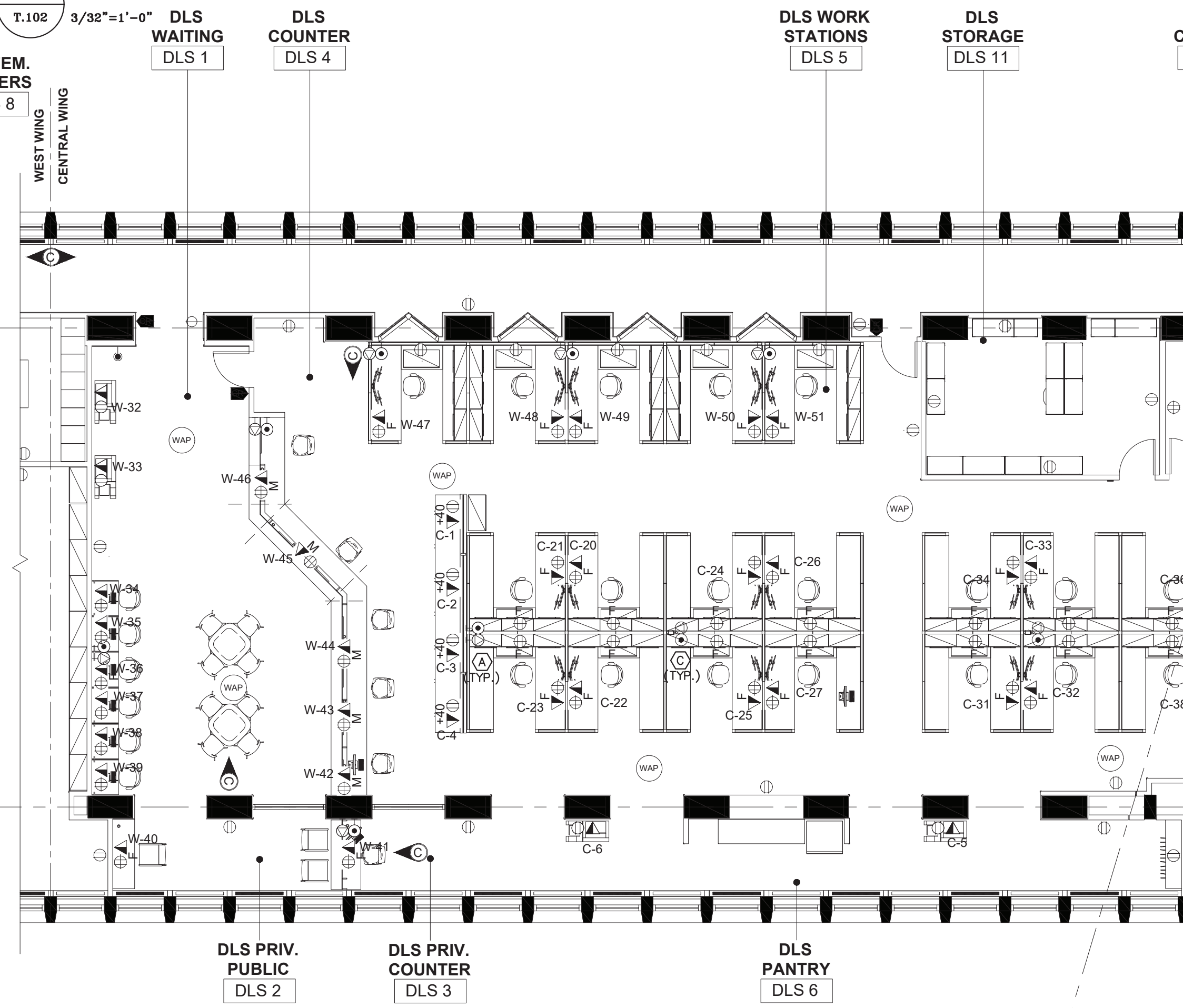
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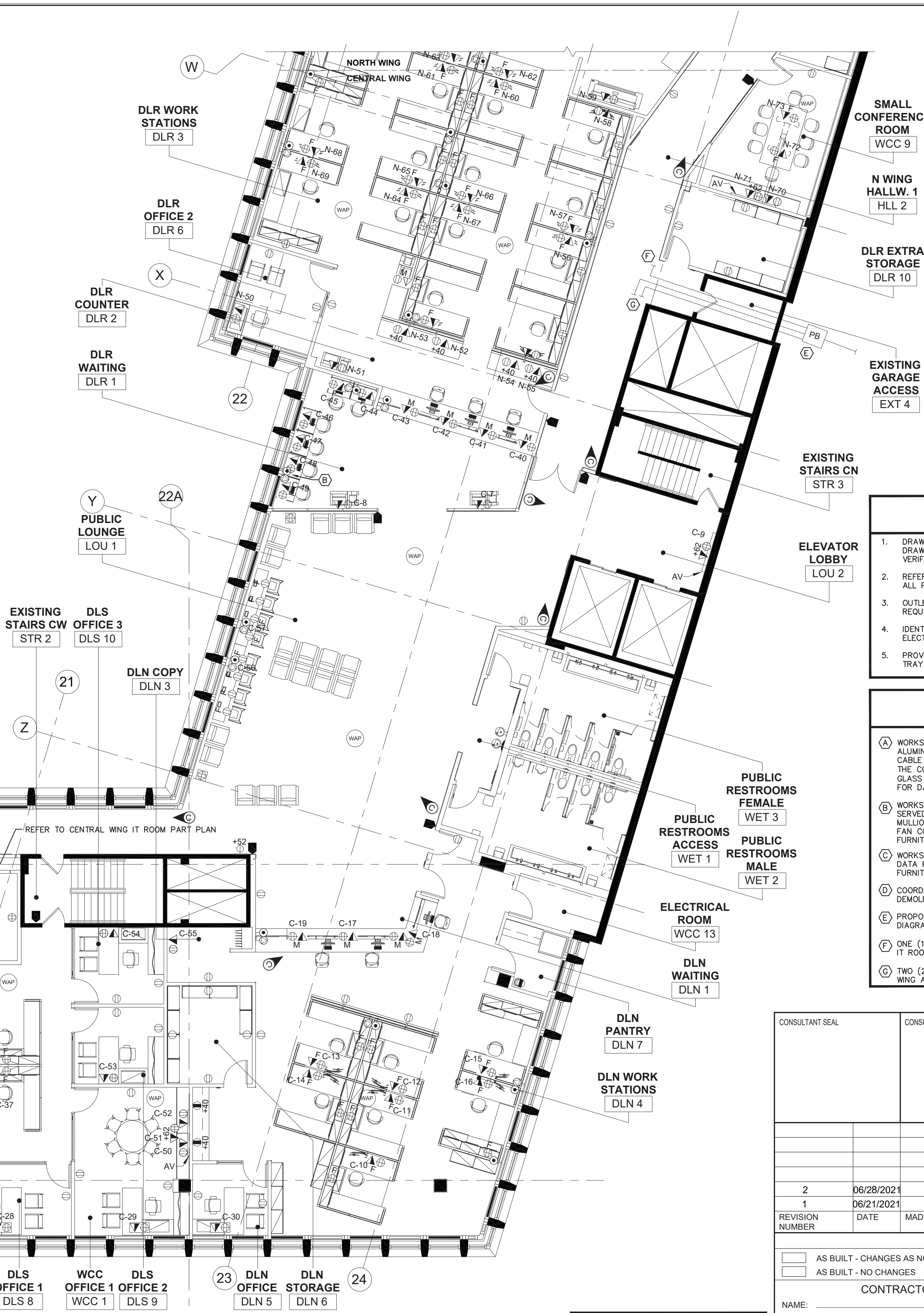
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2	06/28/2021		ADDENDUM #2
1	06/21/2021		ADDENDUM #1
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DATE: _____		DATE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER 19-514	SHEET NUMBER T-002
DIVISION OF ENGINEERING		SHEET NO. 2	OF 10
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601		SCALE: AS NOTED	
TELECOMMUNICATIONS GENERAL NOTES		DATE: MAY 20, 2021	
		DPW FILE NO.	REV NO. 0
		52-01-T-618-0	



2 COMMUNICATIONS PLAN - TEMPORARY OFFICE SPACE PHASE 1



1 COMMUNICATIONS PLAN - 3RD FLOOR CENTRAL WING



COMMUNICATIONS PLAN LEGEND	
SYMBOL	DESCRIPTION
	WALL MOUNTED COMMUNICATIONS OUTLET
	FLOOR MOUNTED COMMUNICATIONS OUTLET
	WALL MOUNTED COMMUNICATIONS OUTLET
	FLOOR MOUNTED ELEC AND COMMUNICATIONS OUTLET
	COMMUNICATIONS OUTLET IN FURNITURE PROVIDED BY FURNITURE MANUFACTURER
	QUAD AND DATA OUTLETS SURFACE MOUNTED IN MILLWORK
	FLOOR ELEC/DATA FEED FOR FURNITURE WHIP
	WALL ELEC/DATA FEED FOR FURNITURE WHIP
	POLE ELEC/DATA FEED FOR FURNITURE WHIP
	WALL MOUNTED DISPLAY (AV)
	CARD READER
	CAMERA - CEILING MOUNTED ORIENTATION
	WIRELESS ACCESS POINT

- GENERAL NOTES**
- DRAWINGS INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
 - REFER TO PHASING NOTES ON ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR ALL PHASING DETAILS.
 - OUTLET IDENTIFICATION NUMBERING SHALL COMPLY WITH IT DEPARTMENT REQUIREMENTS. EACH CABLING SHALL BE TAGGED AT ALL TERMINATION POINTS.
 - IDENTIFY ALL INFEEED LOCATIONS WITH FURNITURE MANUFACTURER AND ELECTRICAL CONTRACTOR PRIOR TO WORK COMMENCING.
 - PROVIDE ADEQUATE SUPPORT ABOVE CEILING FOR CABLES. PROVIDE CABLE TRAY AS APPLICABLE.

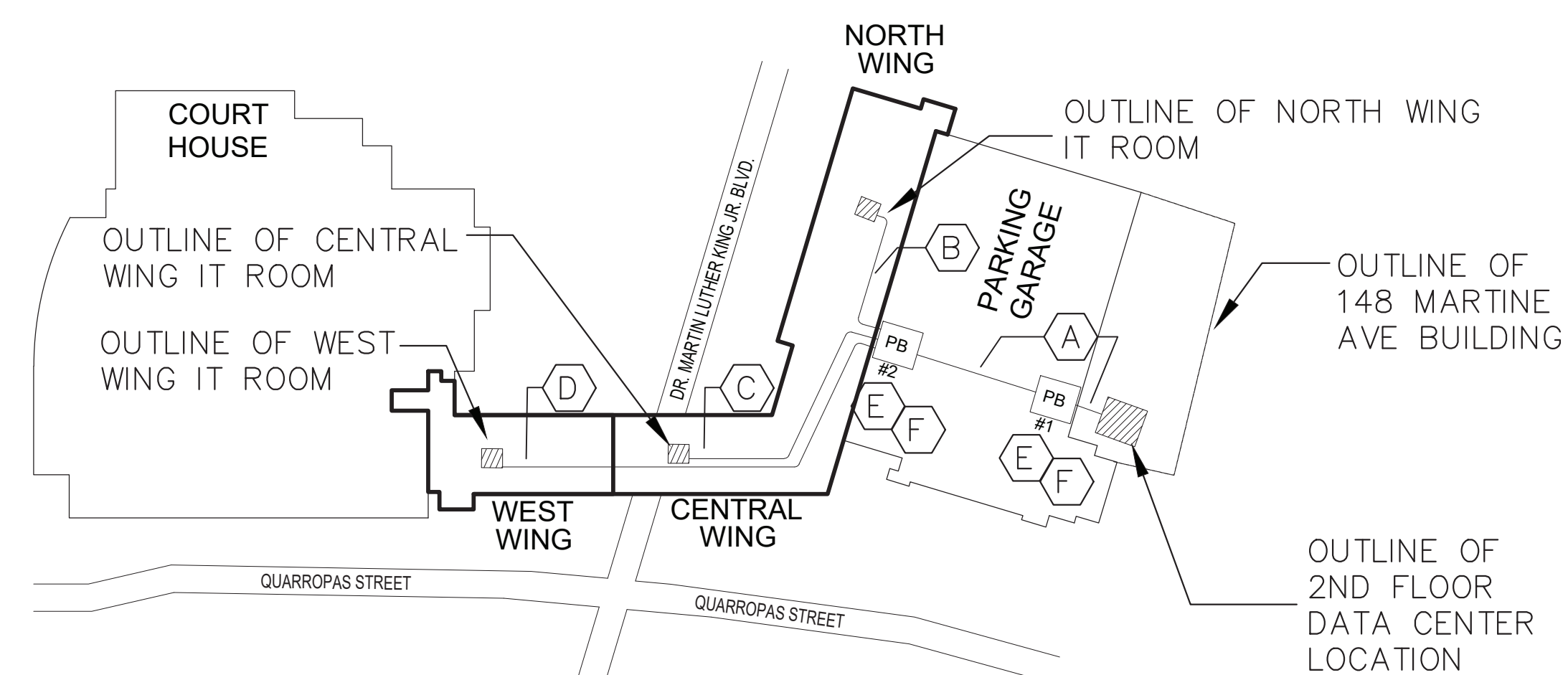
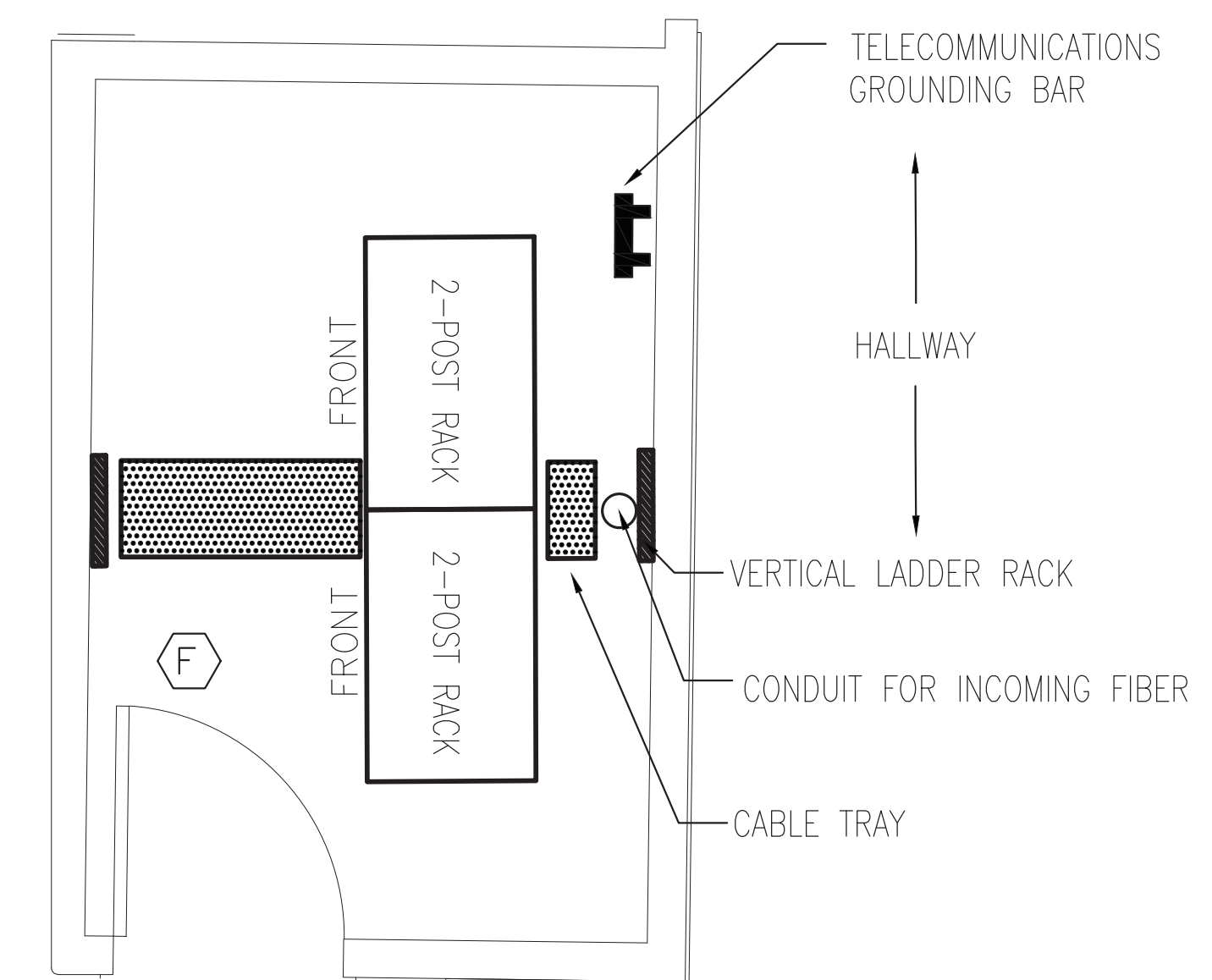
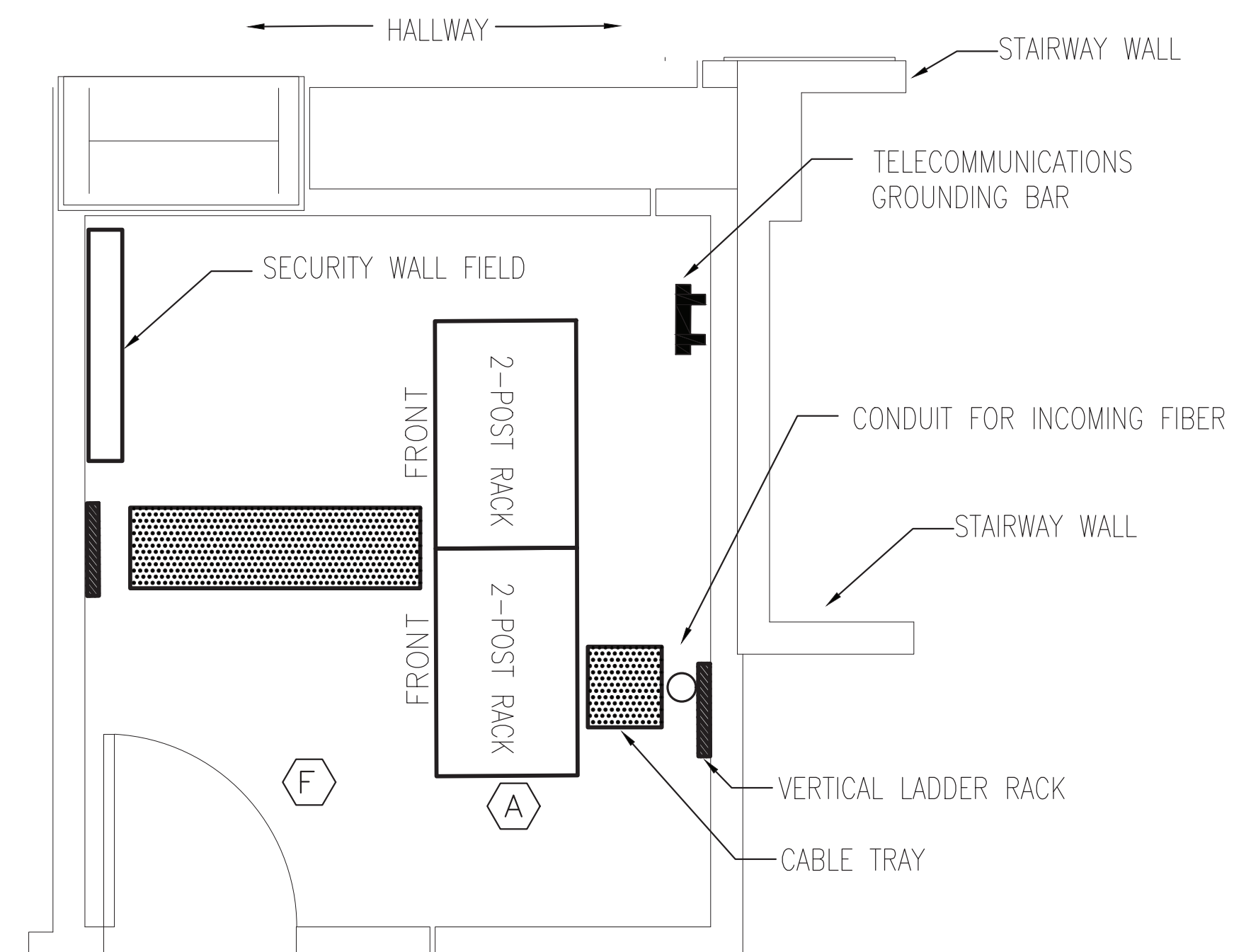
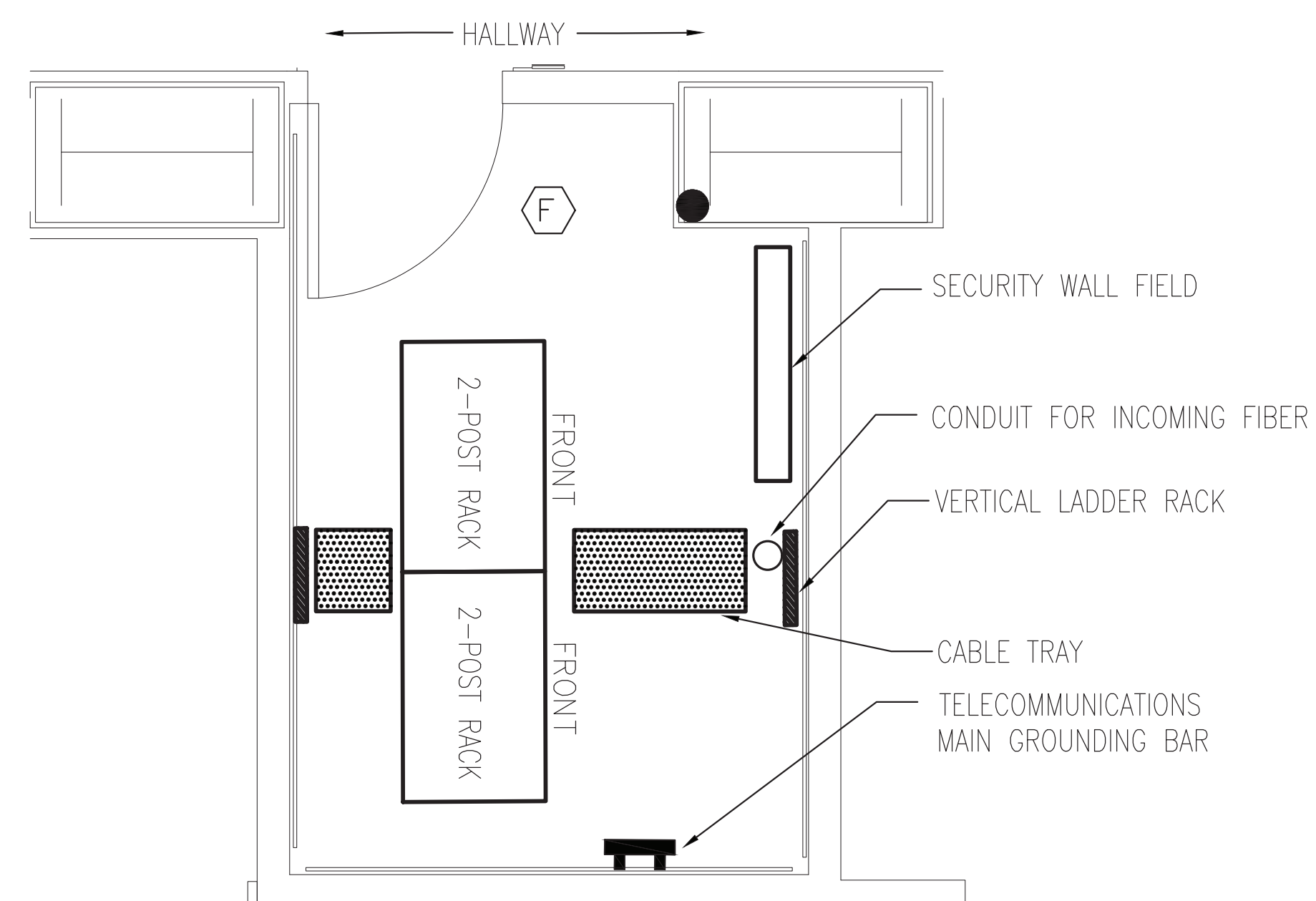
- KEY NOTES**
- WORKSTATIONS SHALL BE SERVED FROM ABOVE CEILING AND CABLE DROP INSIDE ALUMINUM ENCLOSURES PROVIDED AS PART OF THE GLASS PARTITIONS. ENSURE CABLE IS SUPPORTED JUST ABOVE THE ALUMINUM COLUMN AND AS IT LEAVES THE COLUMN TO ENTER THE WORK STATION. (2) COLUMNS ARE PROVIDED PER GLASS WALL SECTION. COORDINATE WITH ELECTRICIAN ENCLOSURE TO BE USED FOR DATA.
 - WORKSTATIONS AND FURNITURE ADJACENT TO PERIMETER FAN COILS SHALL BE SERVED FROM ABOVE CEILING, DROPPED DOWN IN FURRED OUT EXTERIOR MULLION, AND RUN PARALLEL TO EXTERIOR WALL FLUSH TO THE FLOOR WITHIN FAN COIL ENCLOSURE UNTIL THE CABLE REACHES THE LOCATION OF THE FURNITURE HARDWARE BOX. COORDINATE CABLE RUN WITH ELECTRICIAN.
 - WORKSTATIONS SHALL BE SERVED FROM ABOVE CEILING AND CABLE DROP INSIDE DATA POLE ENCLOSURES PROVIDED BY OTHERS. DATA POLE INTEGRAL TO FURNITURE SYSTEM AND MAY REQUIRE FIELD MODIFICATION TO SUIT ROOM HEIGHTS.
 - COORDINATE TERMINATION OF DATA CABLES WITH IT DEPARTMENT PRIOR TO DEMOLITION WORK COMMENCING.
 - PROPOSED LOCATION OF PULLBOX FOR INCOMING FIBER BACKBONE. REFER TO RISER DIAGRAM FOR INFORMATION.
 - ONE (1) FIBER BACKBONE CONDUIT RUN FROM GARAGE PULLBOX TO NORTH WING IT ROOM.
 - TWO (2) FIBER BACKBONE CONDUIT RUNS FROM GARAGE PULLBOX TO CENTRAL WING AND WEST WING IT ROOMS.

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LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601			
TELECOMMUNICATIONS PLAN - 3RD FLOOR CENTRAL WING			
CONTRACT NUMBER	19-514	SHEET NUMBER	T-102
SHEET NO.	04 OF 10	SCALE: AS NOTED	
DATE: MAY 20, 2021		DPW FILE NO.	52-01-T-620-0
REV	NO.		

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LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601				TELECOMMUNICATIONS PLAN - 3RD FLOOR NORTH WING	
CONTRACT NUMBER 19-514		SHEET NUMBER T-103		SHEET NO. 05 OF 10	
SCALE: AS NOTED				DATE: MAY 20, 2021	
DPW FILE NO.				52-01-T-621-0	
(NO)				(NO)	



KEY NOTES

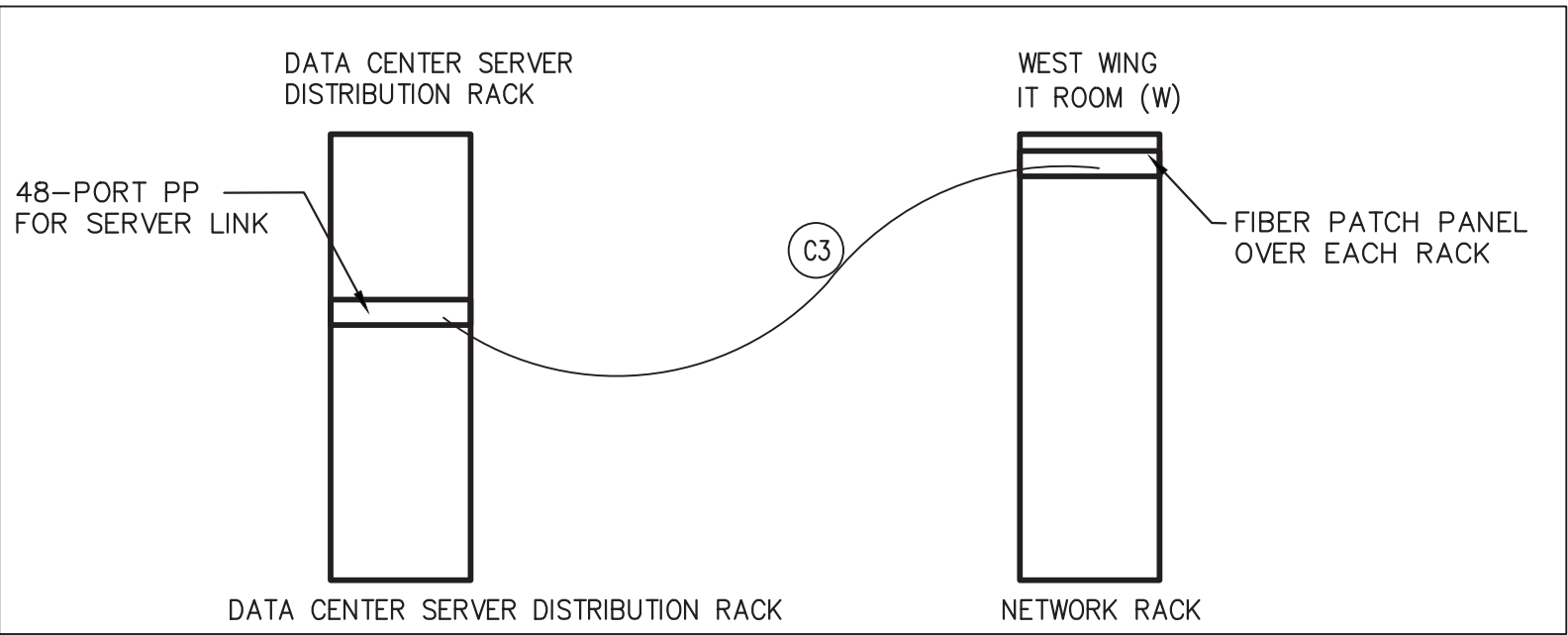
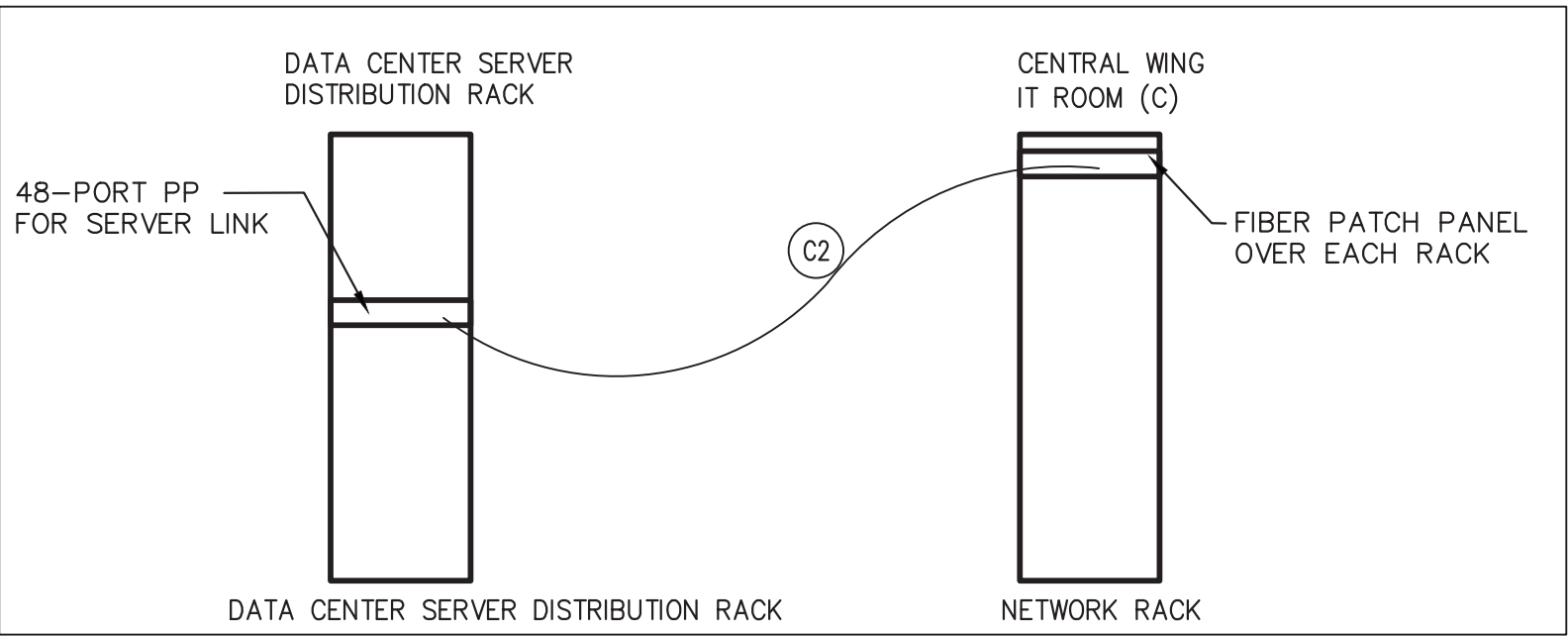
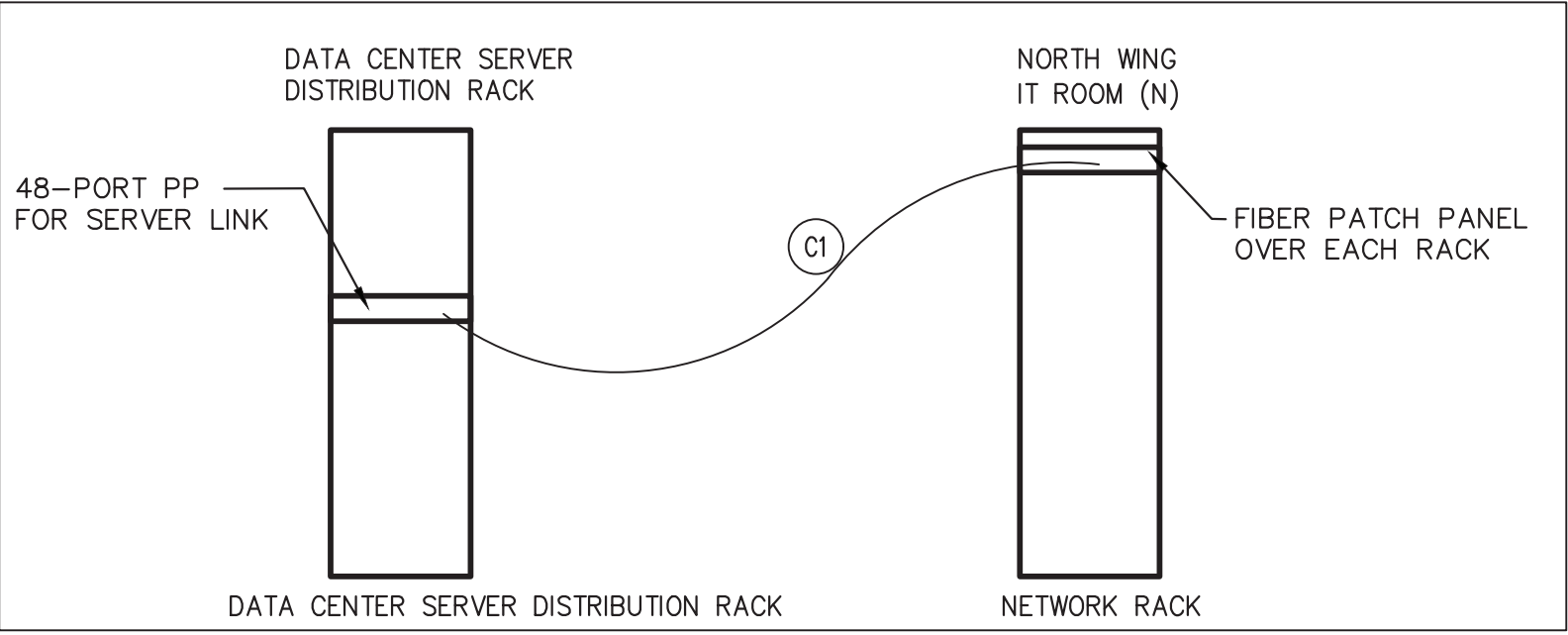
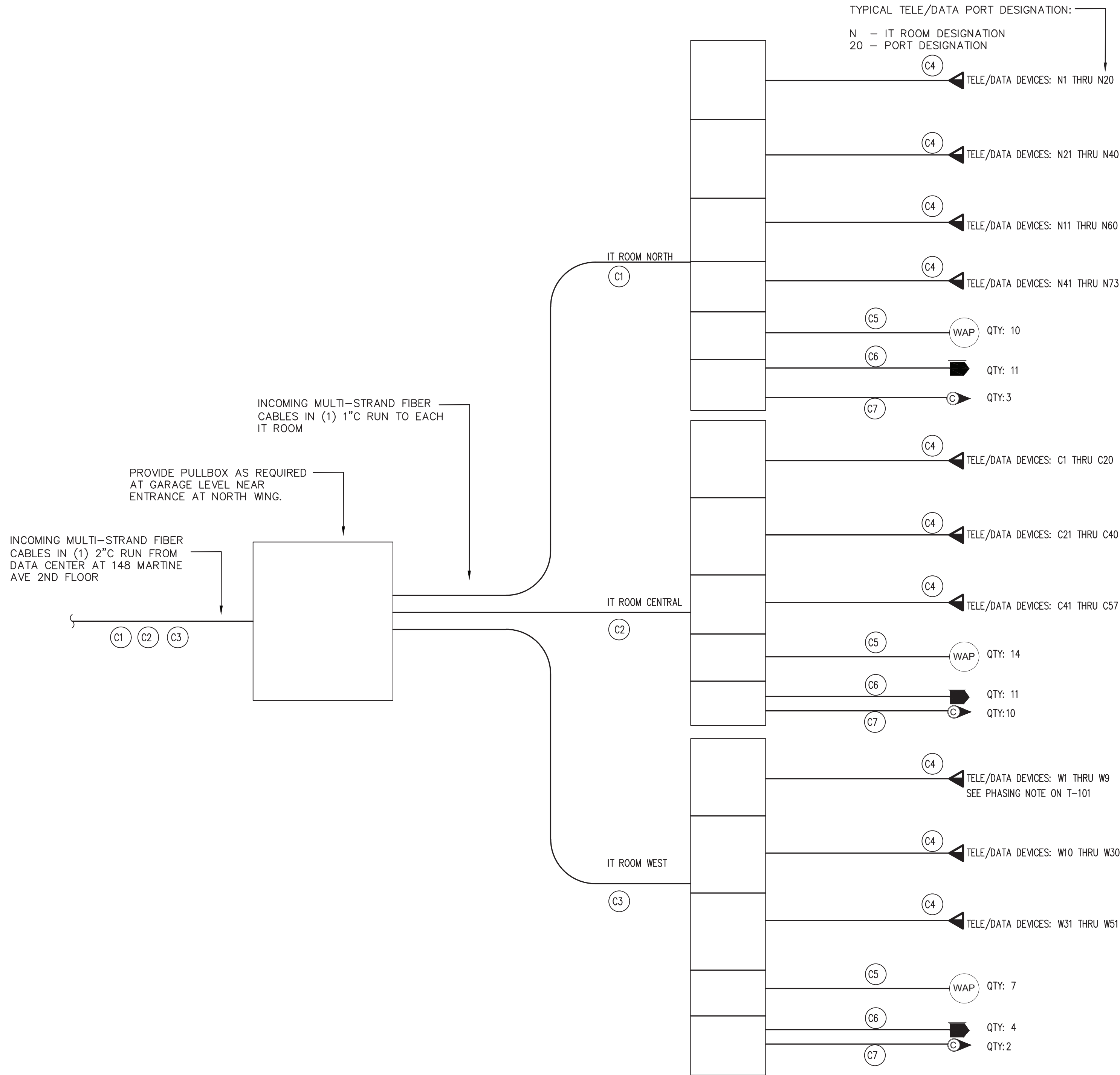
- (A) PROVIDE (1) 2" RGS CONDUIT, APPROX. 250 FEET FROM DATA CENTER TO PB #2.
- (B) PROVIDE (1) 1" C TO NORTH WING IT ROOM, APPROX. 100 FEET FROM PB #2.
- (C) PROVIDE (1) 1" C TO CENTRAL WING IT ROOM, APPROX. 150 FEET FROM PB #2.
- (D) PROVIDE (1) 1" C TO WEST WING IT ROOM, APPROX. 200 FEET FROM PB #2.
- (E) PULLBOX INSTALLED AT GARAGE LEVEL CEILING DECK. SIZE AS REQUIRED BY CODE.
- (F) PROVIDE SHOP DRAWING WITH CONDUIT PATH AND IT ROOM LAYOUT FOR ENGINEER APPROVAL PRIOR TO WORK COMMENCING. REFER TO T-400 FOR ELEVATION.

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WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER			
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DIVISION OF ENGINEERING		SHEET NUMBER			
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS		T-104			
110 DR. MARTIN LUTHER KING, JR. BOULEVARD		SHEET NO. 6 OF 10			
WHITE PLAINS, NEW YORK 10601		SCALE: AS NOTED			
TELECOMMUNICATIONS PART PLANS		DATE: MAY 20, 2021			
		DWG FILE NO.			
		52-01-T-622-0			
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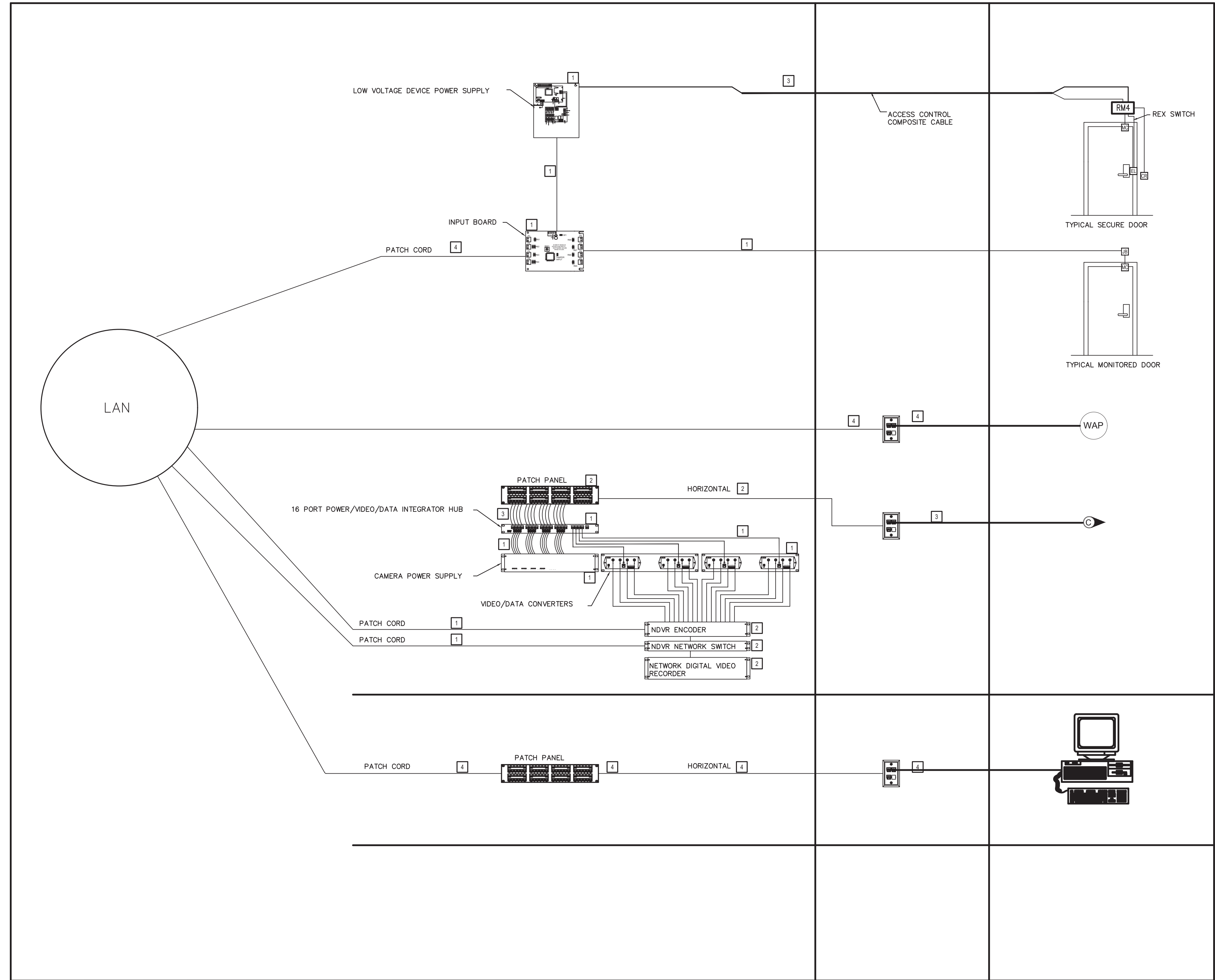


CABLE #	CABLE NAME	CABLE TYPE	TERMINATION
C1	PRIMARY BACKBONE	24-STRAND MULTI-MODE 50 MICRON OM4 OR BETTER	FIBER PATCH PANEL
C2	PRIMARY BACKBONE	24-STRAND MULTI-MODE 50 MICRON OM4 OR BETTER	FIBER PATCH PANEL
C3	PRIMARY BACKBONE	24-STRAND MULTI-MODE 50 MICRON OM4 OR BETTER	FIBER PATCH PANEL
C4	HORIZONTAL	TWO (2) 4-PAIR CATEGORY 6A CABLE (TYP)	8-POSITION MODULAR PLUG EACH END
C5	HORIZONTAL	4-PAIR CATEGORY 6A CABLE (TYP)	8-POSITION MODULAR PLUG EACH END
C6	HORIZONTAL	4-PAIR CATEGORY 6A CABLE (TYP)	8-POSITION MODULAR PLUG EACH END
C7	HORIZONTAL	4-PAIR CATEGORY 6A CABLE (TYP)	8-POSITION MODULAR PLUG EACH END

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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				CONTRACT NUMBER 19-514	SHEET NUMBER T-300
DIVISION OF ENGINEERING				SHEET NO. 7	OF 10
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601				SCALE: AS NOTED DATE: MAY 20, 2021	REV NO: 0
TELECOMMUNICATIONS RISER DIAGRAM				DPW FILE NO. 52-01-T-623-0	



ACCESS CONTROL ALARM MONITORING

CCTV CAMERA

WORKSTATIONS

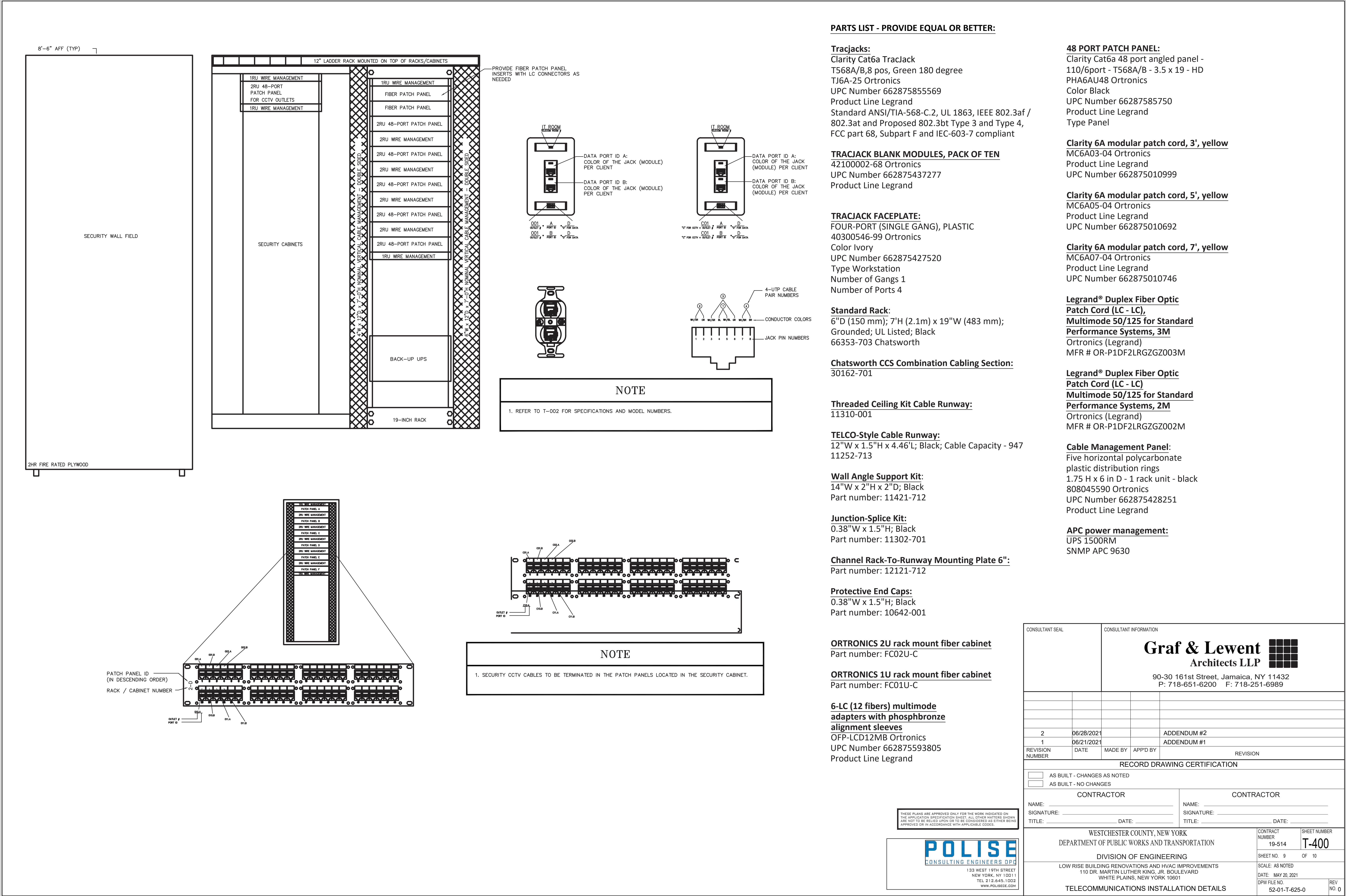
KEY NOTES

- 1 PROVIDED BY SECURITY CONTRACTOR
- 2 PROVIDED BY OTHERS
- 3 FURNISHED BY SECURITY CONTRACTOR, INSTALLED BY TELECOMMUNICATIONS CONTRACTOR
- 4 FURNISHED AND INSTALLED BY TELECOMMUNICATIONS CONTRACTOR

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DIVISION OF ENGINEERING		SHEET NO. 8 OF 10	
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS		SCALE: AS NOTED	
110 DR. MARTIN LUTHER KING, JR. BOULEVARD		DATE: MAY 20, 2021	
WHITE PLAINS, NEW YORK 10601		DPW FILE NO.	
TELECOMMUNICATIONS RISER DIAGRAM		52-01-T-624-0	
		REV NO. 0	



PULL BOX SIZING FOR HORIZONTAL CABLE				
CONDUIT TRADE SIZE	WIDTH (IN)	LENGTH (IN)	DEPTH (IN)	INCREASE FOR ADDITIONAL CONDUIT (IN)
1	3	8	3	2
1 1/4	3	10	3	3
1 1/2	4	12	4	3
2	4	16	4	4
2 1/2	5	20	5	4
3	5	24	5	5
3 1/2	6	28	6	6
4	8	32	6	6

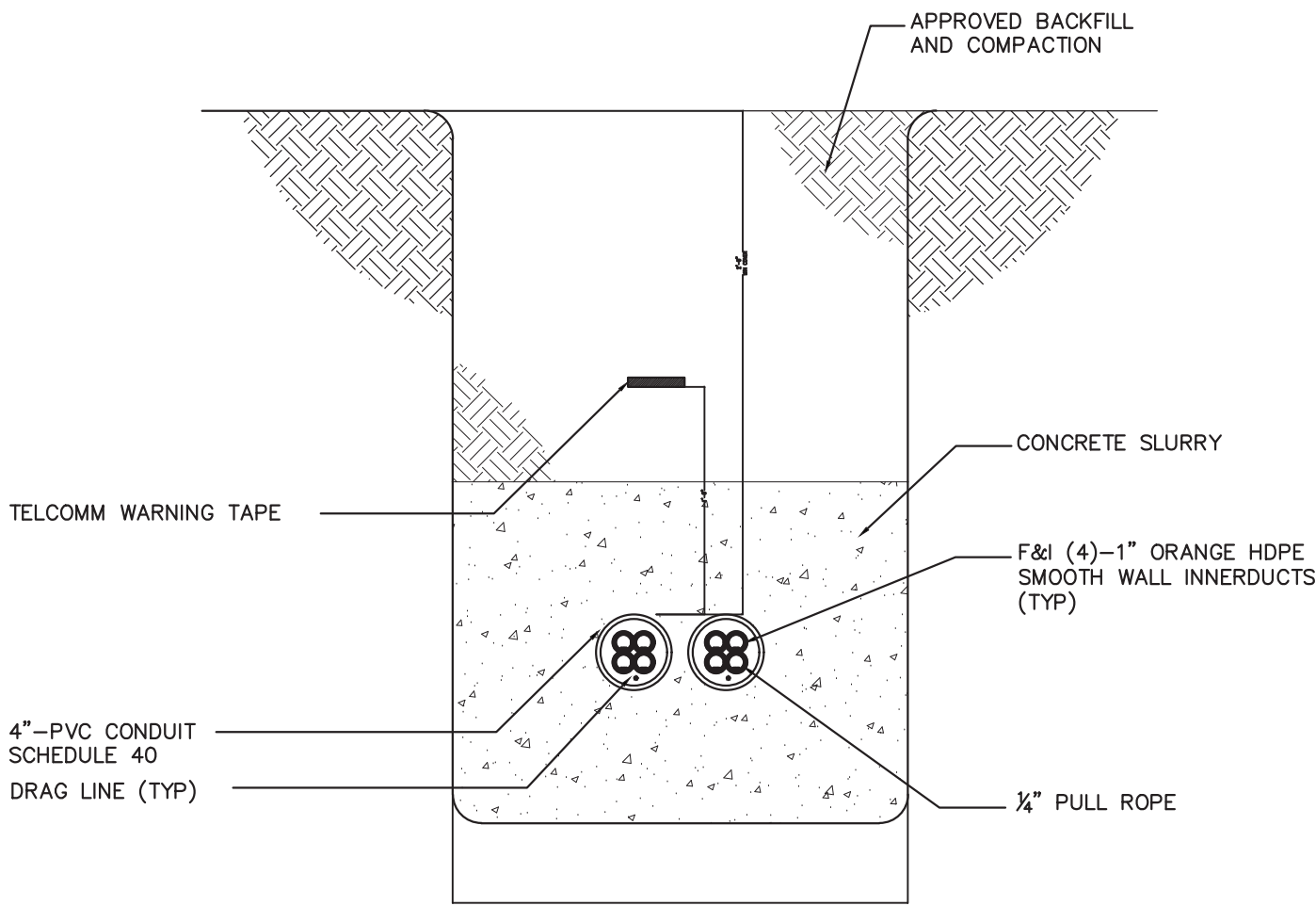
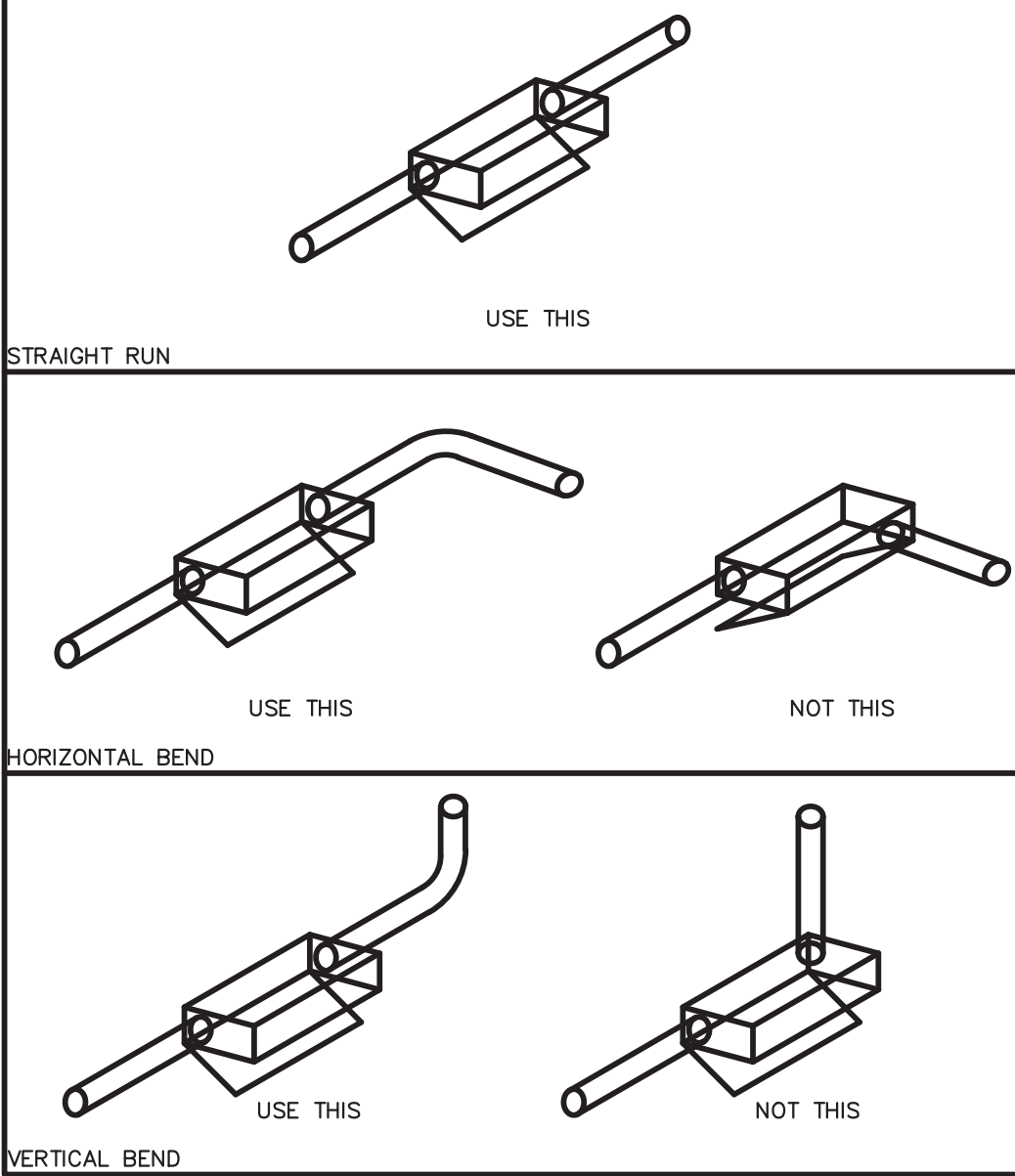
PULL BOX SIZING FOR BACKBONE CABLE				
CONDUIT TRADE SIZE	WIDTH (IN)	LENGTH (IN)	DEPTH (IN)	INCREASE FOR ADDITIONAL CONDUIT (IN)
1	4	16	3	2
1 1/4	6	20	3	3
1 1/2	8	27	4	4
2	8	36	4	5
2 1/2	10	42	5	6
3	12	48	5	6
3 1/2	12	54	6	6
4	15	60	8	8

CONDUIT CAPACITY								
TRADE SIZE (IN)	CABLE OUTSIDE DIAMETER (IN)							
	0.13	0.18	0.22	0.24	0.29	0.31	0.37	0.53
1/2	1	1	0	0	0	0	0	0
3/4	6	5	4	3	2	2	1	0
1	8	8	7	6	3	3	2	1
1 1/4	16	14	12	10	6	4	3	1
1 1/2	20	18	16	15	7	6	4	2
2	30	26	22	20	14	12	7	4
2 1/2	45	40	36	30	17	14	12	6
3	70	60	50	40	20	20	17	7
3 1/2	—	—	—	—	—	—	22	12
4	—	—	—	—	—	—	30	14

NOTE

1. SHALL NOT EXCEED 30% FILL FOR MIXED CABLE DIAMETERS.

PULL BOX CONFIGURATION GUIDELINES



NOTES

- F&I PVC PLASTIC PIPE WITH SCHEDULE 40, TYPE PVC 1120 AND NO PATHWAY SHALL HAVE MORE THAN 180 DEGREES OF BENDS.
- THE ENDS OF CONDUITS SHALL BE PLUGGED WITH DUCT PLUG TO PREVENT WATER WASHING MUD INTO THE CONDUITS DURING AND AFTER CONSTRUCTION.
- BUILDING COREDRILLS MUST BE SEALED AROUND CONDUITS WITH APPROVED WATERPROOF PLUGGING COMPOUND.
- STUB OUT CONDUITS INTO MAIN TELECOM ENTRANCE A MINIMUM OF 6 INCHES ABOVE THE FINISHED FLOOR.
- INSTALL NEW INNERDUCT PULL ROPE IN ALL NEW CONDUITS AS SHOWN AND EXTENDING 3 FEET INTO EACH BUILDING SPACE.
- PLUG ENDS OF THE NEW CONDUITS WITH WATERTIGHT RUBBER CONDUIT PLUGS, CONDUIT CAULKING COMPOUND, OR CONDUIT CAPS TO ENSURE FOREIGN MATTER DOES NOT ENTER THE BUILDINGS.
- NEW CONDUITS SHALL BE BURIED MINIMUM AT 24" BELOW FROST LINE AND SHALL BE ENCASED IN CONCRETE.

1 TELECOMMUNICATIONS CONDUIT DETAIL

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SIGNATURE: _____		SIGNATURE: _____	
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DATE: _____		DATE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER 19-514	
DIVISION OF ENGINEERING		SHEET NUMBER T-401	
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601		SCALE: AS NOTED	
TELECOMMUNICATIONS INSTALLATION DETAILS		DATE: MAY 20, 2021	
		DPW FILE NO. 52-01-T-626-0	
		REV NO. 0	