

**COUNTY OF WESTCHESTER
NEW YORK**

DIVISION OF ENGINEERING

ADDENDUM NO. 1

CONTRACT NO. 19-514

**Low Rise Building Renovations and HVAC Improvements
110 Dr. Martin Luther King Jr. Boulevard
White Plains, New York**

The attention of the bidders is directed to the following changes, additions, and/or substitutions affecting the above referenced contract.

I. RE: GENERAL CONTRACT INFORMATION:

A. Low Voltage Design – NEW Drawings: Low voltage drawings showing wiring requirements for security and IT systems are attached. These are NEW drawings. The drawing list has been updated and is also attached. The work shown on these drawings is part of the contract work.

B. Furniture Demolition – Revised Drawings: Demolition of all existing furniture, shelves, counters, millwork, etc. is by the contractor. The demolition drawings DM-002, DM-003 and DM-004 have been revised to provide a general description of the principal furniture items. Personal effects, computers, etc. at the work positions are not to be demolished, and are to be moved by the contractor from their existing locations to their final locations, in accordance with the Phasing Plans.

Please DELETE the previous copies of these drawings and REPLACE them with the attached drawings.

C. Delivery and Refuse Access – Revised Drawing: Drawing DM-006, Ceiling Demolition Plan Overall, has been revised to include a diagram showing the proposed area at the Martine Avenue entrance driveway and adjacent areas, to locate a trailer and lifting equipment for the contractor's use during construction. The contractor is responsible for providing an opaque fence to shield the area from public view.

The diagram also notes the approximate location of two windows to be removed by the contractor to allow delivery of materials and removal of refuse via chute at the 3rd Floor "Bridge to DPW" also known as the "Gallery" space. The contractor will be responsible for removing the windows, providing temporary closure panels when the windows are not in use, and the replacement of the original windows when the project is complete.

Use of the Bridge for material and refuse movement will be limited to hours before 9:00 AM and after 5:00 PM. A minimum 4' passageway at the Bridge must be maintained for staff use at all times. The removal and abatement of the flooring, and refinishing of this space will be performed in the last phase of the project, instead of the first phase.

The information above responds to several questions below. Please DELETE the previous copy of this drawing and REPLACE it with the attached drawing.

D. **Furniture Scope:** See question below for clarification of the scope of furniture that is provided and installed by the County's furniture vendor.

E. **Special Door Glass:** Door No. 33 (A-103) shall receive new glass type GL-5: clear laminated, tempered glass, consisting of two layers of 1/4" tempered glass with a clear plastic interlayer.

F. **Parking:** Parking is the contractor's sole responsibility.

G. **Metro Wall Contact Information:** The contact information for MetroWall in spec section 102219, Demountable Partitions, (Designation GF-2) is incorrect. A contact for Metro Wall is:

Ian McGregor; 845-282-9808; ian@metro-wall.com.

H. **Carpet Specifications Clarifications:**

1. Where C-1 is indicated on the Finish Plans, it represents a pattern consisting of both carpet types C-1 and C-2. The diagram on A-131, titled "CARPET PATTERN LAYOUT C-1 & C-2 AT WEST WING CENTRAL WING AND NORTH WING [TYP]" shows the typical layout of the two carpet colors "C-1" and C-2" where Carpet C-1 is indicated on the Finish Plans.
2. A final selection for Carpet type C-3 is pending. For bidding purposes, please base your bid on the following Broadloom: Bentley, Kings Road 8KR42, Color Sapphire 880420.

All provisions of the contract not affected by the foregoing shall remain in full force and effect.

COUNTY OF WESTCHESTER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

By: Hugh J. Greechan Jr., P.E.
Commissioner

Dated: Tuesday, June 22, 2021

WHITE PLAINS, NEW YORK

BIDDERS QUESTIONS AND RESPONSES

WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

CONTRACT NO. 19-514 LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING JR. BOULAVARD WHITE PLAINS, NEW YORK

The attention of all bidders is directed to the following responses to questions with regards to the above referenced Contract. These responses are presented for information purposes only and are not intended to modify the Contract. All provisions of the contract remain in full force and effect.

Where modification is required, the bidder's attention is directed to the addenda.

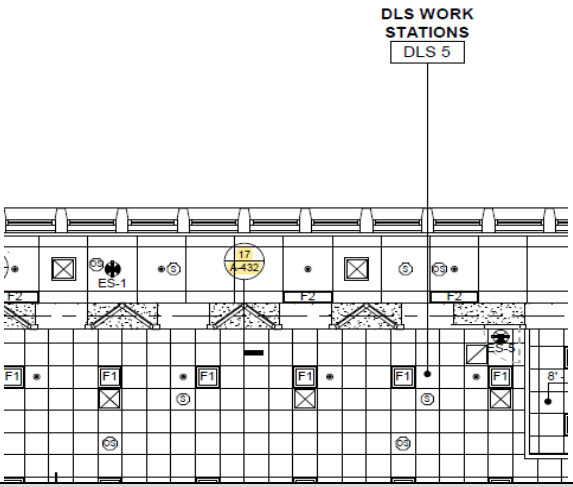
#	QUESTION	RESPONSE
	<u>ADMINISTRATIVE / CONTRACTUAL</u>	
1	Please confirm that all work will be perform during normal business hours (7am to 3:30 pm).	Normal work hours are 7:00 AM to 5:00 PM. Any overtime needs to be coordinated with The County 48 hours in advance. Any overtime work must be performed in accordance with the Project Labor Agreement (PLA).
2	Aside from abatement, will demolition and construction be allowed to take place during normal business hours.	Yes.
3	Can abatement work be performed after hours?	Yes. This is preferred.
4	Will a freight elevator be available for the contractor for bringing material in and out of the work area?	There are no freight elevators. One passenger elevator will be provided to the contractor between 7:00 Am and 9:00 AM each day. After hours (after 5:00) may be allowed with County approval. Contractor must comply with the Project Labor Agreement (PLA).

5	(Similarly) Will an elevator be assigned to the contractor's use to the loading, unloading of materials, debris? If so please advise which elevators. If not, what methods and time frames do you have in mind for bringing materials in and out of the spaces while working around occupied temporary office space.	See question above and General Contract Information, Section I, item C., above.
6	Are we able to chute debris from a window to a dumpster on the street.	See question above and General Contract Information, Section I, item C., above.
7	Are we able to leave dumpsters on the sidewalk below?	See General Contract Information, Section I, item C., above.
8	Can you provide us with a max load and dimensions of the elevator to be used to bring the material to the third floor?	Elevator door opening, 42" wide x 84" high. Cab, 63" deep x 59" wide x 90" high. Max load, 2500 lbs..
9	What is the proposed path of oversized material that will not fit inside the passenger elevator allocated to the contractor?	See question above and Section I, General Contract Information, item C., above.
10	Will the contractor be able to store materials on site?	No space is available outside the work site for material storage.
11	Will there be any security measure in place that can potentially delay the contractors' entry and exit? Metal detector, sign-in sheet, ID Checking?"	Please refer to the clause in the County General Requirements regarding security regulations.
12	Who is responsible for construction permits?	No permit is required.
13	Please confirm the project has a PLA.	The project has a PLA. Please see County Special Notice Project Labor Agreement which is included in the County's bid information.
14	Phase One has a time constraint of 154 days. Is this inclusive of the 2 week moving/furniture?	Yes, please include the initial personnel moves to temporary spaces in the 154 day constraint.
15	Are there any time constraints on the balance of the phases.	No, except the overall 720 calendar day maximum in the County requirements.

16	Where is contractor parking available?	Parking is the responsibility of the contractor. The County does not provide parking. We are not experts on local parking facilities, but the White Plains Mall garage is across the street from the site.
	<u>ARCHITECTURAL</u>	
17	Who is responsible to remove & relocate the existing furniture & “personal” prior & in between Phases?	GC to coordinate with County of the removal & relocation of the existing furniture & “personal” prior & in between Phases. Please note that furniture is to be demolished, per Section I, General Contract Information item B. above.
18	Who is responsible to furnish & install the office furniture on drawings A-151, A-152, A-153, A-154?	The County furniture vendor, Creative Contract Furniture Inc., will be responsible to furnish & install the office furniture. The contractor is responsible for hook up of the electric whip at workstations to the power supply.
19	Who will be responsible to perform the Network & phone to the working desks?	The contractor shall provide power & data to all work positions, including final hook up of electric supply to the workstation whips. Please also see Low Voltage design drawings issued with this Addendum.
20	Could you provide us with the contact information of the company that holds the roof warranty.	The roof warranty is attached.
21	My glazing/partition subcontractor is requesting clarification: “I already had the spec. It does not discern the difference between GF1, GFD2 & GF3. I did not see this noted on the finish schedule, door schedule or elevations”	<p>GF-1, GF-2 and GF-3 locations are clearly noted on the construction plans A-102 – 104, and on the elevations, A-200 series. Details for these systems are shown on numerous drawings, including but not limited to, A-430, A-431, A-432, A-433 and A-501.</p> <p>Storefront GF-1 is specified in spec section 084113. Office Front GF-2 is specified in spec section 102219. GF-3 is covered by details and specs for metal fabrications and glazing.</p>

22	<p>The legend on Phasing Plan Drawings G-004 – G010 indicates temporary work stations and temporary countertops located in the temporary office spaces. Who is responsible for supply / fabrication/install/relocation/demolition of these items throughout the phases. If GC is responsible for any of this, please provide info/details etc., so we may figure.</p>	<p>New temporary workstations are provided and installed by the County’s furniture vendor and are not in the contractor’s contract. The contractor will be responsible to provide electrical and low voltage work required for the temporary workstations, except that the County will perform final connection of computers to the low voltage system.</p>
23	<p>Drawing A-505 has a Furniture Schedule however we do not see specifications for these items in the spec book and schedule is missing many model numbers and manufacturers. Please confirm GC is not responsible for any work related to furniture, or advise.</p>	<p>Furniture listed on the referenced schedule is provided and installed by the County’s furniture vendor and are not in the contractor’s contract. The contractor will be responsible for any electrical work required for the temporary workstations.</p> <p>Items identified by title as “Furniture” on drawings A-403, A-407. A-408, A-409, A-410 and A-411 are also provided and installed by the County furniture vendor. The contractor is responsible for all electrical, plumbing and connecting architectural work.</p>
24	<p>Drawing has an appliance schedule which does have correlating specification. Please confirm GC is to supply and install these items and confirm the total quantities of these items are 2 microwaves and 2 refrigerators as shown on A-407.</p>	<p>The correlating specification section is 113100. The refrigerators are shown on the construction plans, A-102 – A-104 and identifies in the legend on those drawings. The quantity of refrigerators noted in this question is not correct. There are refrigerators shown at the pantries in each department space, which are in the contract.</p>
25	<p>Detail 1 on A430 notes to clean existing windows at both interior and exterior of 3rd floor. Please confirm it is the intent to have GC hire a window washing company to clean all applicable 3rd floor windows? Please also confirm if this scope involves cleaning the exterior windows at the bridge spanning over Dr Martin Luther King Jr Blvd?</p>	<p>The contractor shall clean all interior surfaces, including interior window surfaces, at the completion of each phase in all areas included in the work. Cleaning exterior window surfaces is not required.</p>
26	<p>Please advise if it is the intent to Self-Level all existing floors and if so advise on desire thickness?</p>	<p>Finished floors are to be level and uniform. Please assume that you will need to apply underlayment in accordance with spec</p>

		section 035416 throughout the project area.
27	Please advise if intent for wall type 13 is to skim coat entire existing walls or just scar patch where necessary?	Patch to provide a smooth finish for paint. Please assume that wall type 13 is typical at all existing piers between windows.
28	<p>Door schedule says that frame associated with door #55 is type GF-1 storefront. Floor plan a-104 has the GF-1 tag at this door & frame, however, elevation of this frame & door shown in detail 10/a-221 has gf-2 tag. Please clarify if door #55 & associated framing is gf-1 or gf-2.</p> <p>Please also clarify whether the follow door #'s & associated framing should be GF-1 or GF-2, as the same discrepancies between door schedule, floor plans & interior elevations mentioned above also occur at these doors/frames; #43, 55, 57, 59, 68.</p>	The referenced doors - #s 43, 55, 57 and 59, are all related to the GF-1 system. The GF-2 indications on the elevations are incorrect.
29	Please advise schedule or plan indicating which windows are to receive shades. I see detail 14/A433 noted at the southern windows at West & central wings however id like to make sure no other windows are to receive that detail or shades as well.	Please see the Reflected Ceiling Plan Legend on each Reflected Ceiling Plan sheet. The third symbol from the bottom is identified as the shade. The corresponding symbol appears at each window to receive a shade. Please follow the quantities and locations shown on the Reflected Ceiling Plans.
30	Please See attached Screen Shot of North Wing Corridor – what is on either side of the 4x4 ceiling tile? Seems to be a little over 2' on each side with no symbol.	The question refers to Drawing A-114, where a portion of the ceiling and lighting design in the corridor dropped out of the plan image. We have attached revised A-114. The ceiling in question is Ceiling Type 2, which is typically used in the corridors. We have shown the required F-2 lights. The electrical drawings have not yet been coordinated to show these lights, but please be sure to include them in the scope of work.

31	Please see screen shots of west wing and central wing. Detail 17/A432 is called out at west wing but I think this might have been meant for the 4 areas at the central wing above the adjoining angled storefronts?	<p>That is correct. The key for detail 17/A-432 was misplaced. It relates to the angled storefront in DLS (Legal) Here is the correct location:</p> 
	<u>ENVIRONMENTAL</u>	
32	Please confirm we are to include abatement in our pricing.	Yes, abatement is to be included in the bidder's scope. The owner will provide 3rd party monitoring.
	<u>STRUCTURAL</u>	
	<u>MECHANICAL</u>	
33	Please provide the Controls vendor contact info.	Johnson Controls / EMF.
	<u>PLUMBING</u>	
	<u>FIRE PROTECTION</u>	
34	Could you provide the contact information for the company that currently services the fire sprinkler system?	For fire alarm interface: Johnson Controls Fire Protection (Simplex Grinnell) Contact: John Boardash. 845-774-4120. Contractor for piping, sprinkler heads, etc. per the bidder.
	<u>ELECTRICAL</u>	
35	Once the personnel is moved who will be responsible to connect all the computers and re-route all the data and phone cabling?	Please see the attached Low Voltage drawings noted in General Contract Information, item A., above. The final connection of computers to the IT outlets will be performed by the County.
	<u>FIRE ALARM</u>	

36	Could you provide the contact information for the company the currently services the fire alarm system?	Johnson Controls Fire Protection (Simplex Grinnell) Contact: John Boardash. 845-774-4120
	<u>AUDIO VISUAL</u>	
37	Is AV part of the GC Scope?	Yes. Work shown on AV-1 – AV-3 is part of the GC scope.



Johns Manville

Commercial/Industrial Roofing Systems

Peak Advantage Guarantee

Building Owner
Westchester County
White Plains, NY 10601

Building Name
White Plains Courthouse - Low Rise Bldg
110 Dr. Martin Luther King Jr. Blvd

White Plains, NY 10601

Approved Roofing Contractor
NUA Construction Corp.
38 White Deer Lane

West Harrison, NY 10604

Guarantee Number: GNM101075020

Date of Completion: 11/15/2009

Terms & Maximum Monetary Obligation to
Maintain a Watertight Roofing System.

Coverage	Years 25	\$	No Dollar Limit
The components of the Roofing System covered by this Guarantee are:	Total Squares:	430	SBS
Membrane Spec. and Type	: 3CID-CA		
Insulation Type	: NRG3,None ,DuraBoard		
Accessories (Type and Quantity)	:		

These Johns Manville Guaranteed components are referred to below as the "Roofing System" and ALL OTHER COMPONENTS OF THE OWNER'S BUILDING ARE EXCLUDED FROM THE TERMS OF THIS GUARANTEE.

Johns Manville* guarantees to the original Building Owner that during the Term commencing with the Date of Completion, JM will pay for the materials and labor required to promptly repair the Roofing System to return it to a watertight condition if leaks occur due to: ordinary wear and tear, or deficiencies in any or all of the component materials of the Roofing System, or workmanship deficiencies in the application of the Roofing System.

WHAT TO DO IF YOUR ROOF LEAKS
If you should have a roof leak please refer to directions on the reverse side.

LIMITATIONS AND EXCLUSIONS

This Guarantee is not a maintenance agreement or an insurance policy; therefore, routine inspections and maintenance are the Building Owner's responsibility (see reverse side of this document). Failure to follow the Maintenance Program on the reverse side of this document will void the Guarantee. This Guarantee does not obligate JM to repair the Roofing System, or any part of the Roofing System, for leaks resulting from (a) natural disasters including but not limited to the direct or indirect effect of lightning, flood, hail storm, earthquake, tornadoes, hurricanes or other extraordinary natural occurrences and/or wind speeds in excess of 72 miles per hour, (b) misuse, abuse or negligence, (c) installation or material failures other than those involving the component materials expressly defined above as the Roofing System or exposure of the Roofing System components to damaging substances such as oil or solvents or to damaging conditions such as vermin, (d) changes to the Roofing System or the Building's usage that are not pre-approved in writing by JM, or (e) failure of the Building substrate (mechanical, structural, or otherwise and whether resulting from Building movement, design defects or other causes) or improper drainage. JM is not responsible for leaks and damage resulting from water entry from any portion of the Building structure not a part of the Roofing System.

This Guarantee becomes effective when (1) it is delivered to Owner; and (2) all bills for installation, materials, and services have been paid in full to the Approved Roofing contractor and to JM. Until that time, this Guarantee is not in force and has no effect.

The Parties agree that any controversy or claims relating to this Guarantee shall be first submitted to mediation under the Construction Industry Arbitration and Mediation Rules of the American Arbitration Association (Regular Track Procedures) or to such other mediation arrangement as the parties mutually agree. No court or other tribunal shall have jurisdiction until the mediation is completed.

TO THE FULLEST EXTENT PERMITTED BY LAW, JM DISCLAIMS ANY IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND LIMITS SUCH WARRANTY TO THE DURATION AND TO THE EXTENT OF THE EXPRESS WARRANTY CONTAINED IN THIS GUARANTEE.

THE EXCLUSIVE RESPONSIBILITY AND LIABILITY OF JM UNDER THIS GUARANTEE IS TO MAKE REPAIRS NECESSARY TO MAINTAIN THE ROOFING SYSTEM IN A WATERTIGHT CONDITION IN ACCORDANCE WITH THE OBLIGATIONS OF JM UNDER THIS GUARANTEE.

JM AND ITS AFFILIATES WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES TO THE BUILDING STRUCTURE (UPON WHICH THE ROOFING SYSTEM IS AFFIXED) OR ITS CONTENTS, LOSS OF TIME OR PROFITS OR ANY INCONVENIENCE. JM AND ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY DAMAGES WHICH ARE BASED UPON NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY OTHER THAN THE EXCLUSIVE LIABILITY SET FORTH IN THIS GUARANTEE.

No one is authorized to change, alter, or modify the provision of this Guarantee other than the Manager, Guarantee Services Unit or authorized delegate. JM's delay or failure in enforcing the terms and conditions contained in this Guarantee shall not operate as a waiver of such terms and conditions. This Guarantee is solely for the benefit of the Building Owner identified above and Building Owner's rights hereunder are not assignable. Upon sale or other transfer of the Building, Building Owner may request transfer of this Guarantee to the new owner, and JM may transfer this Guarantee, in its sole discretion only after receiving satisfactory information and payment of a transfer fee, which must be paid no later than 30 days after the date of Building ownership transfer.

In the event JM pays for repairs which are required due to the acts or omissions of others, JM shall be subrogated to all rights of recovery of the Building Owner to the extent of the amount of the repairs.

Because JM does not practice Engineering or Architecture, neither the issuance of this Guarantee nor any review of the Building's construction or inspection of roof plans (or the Building's roof deck) by JM representatives shall constitute any warranty by JM of such plans, specifications, and construction or in any way constitute an extension of the terms and conditions of this Guarantee. Any roof inspections are solely for the benefit of JM.

JM does not supervise nor is it responsible for a roofing contractor's work except to the extent stated herein, and roofing contractors are not agents of JM.

*JOHNS MANVILLE ("JM") is a Delaware corporation with its principal mailing address at P.O. Box 5108, Denver, Colorado 80217-5108.

By : Fred Stephan
Title : Vice President & General Manager
Roofing Systems Group

Randy Dubler
Attorney-in-Fact

CONTRACT DRAWINGS:

CONTRACT NUMBER 19-514

ADDENDUM #1; JUNE 21, 2021

The Design Drawings, as listed on the Contract Drawing Index, herewith made a part of these Specifications, shows in general and/or in detail the work to be done under this Contract and/or the various Contracts forming the entire work for the Project, as described herein.

After sending the executed contract to the County and prior to the first job meeting, the Contractor is responsible for obtaining from Public Works, Division of Engineering, Michaelian Office Building, White Plains, a maximum of five gratis copies of the Contract Drawings and Specifications; for the Contractor's permanent possession. Additional sets, requested by the Contractor, beyond the permitted number and time limit, will be furnished by Public Works; but at the Contractor's expense.

Note: New and revised drawings issued with the Addendum are shown in bold type. The DPW Drawing No. suffix has been changed from 0 to 1 on the Revised drawings.

<u>DRAWING NO.</u>	<u>TITLE</u>	<u>SHEET NO.</u>
52-01-T-445-0	TITLE SHEET	T-001
52-01-T-446-0	DRAWING LIST	T-002
52-01-A-447-0	CODE ANALYSIS	G-001
52-01-A-448-0	OCCUPANCY ANALYSIS	G-002
52-01-A-449-0	EGRESS AND FIRE RATING PLAN	G-003
52-01-A-450-0	PHASING PLAN - PHASES I	G-004
52-01-A-451-0	PHASING PLAN - PHASES II	G-005
52-01-A-452-0	PHASING PLAN - PHASES III	G-006
52-01-A-453-0	PHASING PLAN - PHASES IV	G-007
52-01-A-454-0	PHASING PLAN - PHASES V	G-008
52-01-A-455-0	PHASING PLAN - PHASES VI	G-009
52-01-A-456-0	PHASING PLAN - PHASES VII	G-010
52-01-A-457-0	PERSPECTIVE VIEWS	G-011
52-01-A-458-0	PERSPECTIVE VIEWS	G-012
52-01-A-459-0	PERSPECTIVE VIEWS	G-013
52-01-A-460-0	PERSPECTIVE VIEWS	G-014
52-01-A-461-0	PERSPECTIVE VIEWS	G-015
52-01-A-462-0	PERSPECTIVE VIEWS	G-016
52-01-A-463-0	DEMOLITION PLAN - 3RD FLOOR OVERALL	DM-001
52-01-A-464-1	PARTIAL DEMOLITION PLAN - 3RD FLOOR WEST WING	DM-002
52-01-A-465-1	PARTIAL DEMOLITION PLAN - 3RD FLOOR	DM-003

	CENTRAL WING	
52-01-A-466-1	PARTIAL DEMOLITION PLAN - 3RD FLOOR NORTH WING	DM-004
52-01-A-467-0	PARTIAL DEMOLITION PLAN - 3RD FLOOR BRIDGE TO DPW	DM-005
52-01-A-468-1	DEMOLITION REFLECTED CEILING PLAN - 3RD FLOOR OVERALL	DM-006
52-01-A-469-0	PARTIAL DEMOLITION REFLECTED CEILING PLAN - 3RD FLOOR CENTRAL WING	DM-007
52-01-A-470-0	PARTIAL DEMOLITION REFLECTED CEILING PLAN - 3RD FLOOR CENTRAL WING	DM-008
52-01-A-471-0	PARTIAL DEMOLITION REFLECTED CEILING PLAN - 3RD FLOOR NORTH WING	DM-009
52-01-A-472-0	CONSTRUCTION PLAN - 3RD FLOOR OVERALL	A-101
52-01-A-473-0	CONSTRUCTION PLAN - 3RD FLOOR WEST WING	A-102
52-01-A-474-0	CONSTRUCTION PLAN - 3RD FLOOR CENTRAL WING	A-103
52-01-A-475-0	CONSTRUCTION PLAN - 3RD FLOOR NORTH WING	A-104
52-01-A-476-0	CONSTRUCTION PLAN - ROOF OVERALL	A-105
52-01-A-477-0	REFLECTIVE CEILING PLAN - 3RD FLOOR OVERALL	A-111
52-01-A-478-0	REFLECTIVE CEILING PLAN - 3RD FLOOR WEST WING	A-112
52-01-A-479-0	REFLECTIVE CEILING PLAN - 3RD FLOOR CENTRAL WING	A-113
52-01-A-480-1	REFLECTIVE CEILING PLAN - 3RD FLOOR NORTH WING	A-114
52-01-A-481-0	POWER AND COMMUNICATION PLAN - 3RD FLOOR WEST WING	A-121
52-01-A-482-0	POWER AND COMMUNICATION PLAN - 3RD FLOOR CENTRAL WING	A-122
52-01-A-483-0	POWER AND COMMUNICATION PLAN - 3RD FLOOR NORTH WING	A-123
52-01-A-484-0	FINISH PLAN - 3RD FLOOR WEST WING	A-131
52-01-A-485-0	FINISH PLAN - 3RD FLOOR CENTRAL WING	A-132
52-01-A-486-0	FINISH PLAN - 3RD FLOOR NORTH WING	A-133
52-01-A-487-0	FINISH PLAN - 3RD FLOOR BRIDGE TO DPW	A-134
52-01-A-488-0	PLUMBING PLAN - PUBLIC RESTROOMS AND UNISEX BATH	A-141
52-01-A-489-0	PLUMBING PLAN - STAFF RESTROOMS / LUNCH BREAK / JANITOR	A-142
52-01-A-490-0	WET ROOMS ELEVATIONS	A-143
52-01-A-491-0	WET ROOMS ELEVATIONS	A-144
52-01-A-492-0	FURNITURE PLAN - 3RD FLOOR OVERALL	A-151
52-01-A-493-0	FURNITURE PLAN - 3RD FLOOR WEST WING	A-152
52-01-A-494-0	FURNITURE PLAN - 3RD FLOOR CENTRAL WING	A-153
52-01-A-495-0	FURNITURE PLAN - 3RD FLOOR NORTH WING	A-154
52-01-A-496-0	SIGNAGE PLAN - 3RD FLOOR WEST WING	A-161
52-01-A-497-0	SIGNAGE PLAN - 3RD FLOOR CENTRAL WING	A-162

Contract Drawings 2

52-01-A-498-0	SIGNAGE PLAN - 3RD FLOOR NORTH WING	A-163
52-01-A-499-0	INTERIOR ELEVATIONS - WEST WING	A-201
52-01-A-500-0	INTERIOR ELEVATIONS - WEST WING	A-202
52-01-A-501-0	INTERIOR ELEVATIONS - WEST WING	A-203
52-01-A-502-0	INTERIOR ELEVATIONS - WEST WING	A-204
52-01-A-503-0	INTERIOR ELEVATIONS - WEST WING	A-205
52-01-A-504-0	INTERIOR ELEVATIONS - WEST & CENTRAL WING	A-206
52-01-A-505-0	INTERIOR ELEVATIONS - CENTRAL WING	A-207
52-01-A-506-0	INTERIOR ELEVATIONS - CENTRAL WING	A-208
52-01-A-507-0	INTERIOR ELEVATIONS - CENTRAL WING	A-209
52-01-A-508-0	INTERIOR ELEVATIONS - CENTRAL WING	A-210
52-01-A-509-0	INTERIOR ELEVATIONS - CENTRAL WING	A-211
52-01-A-510-0	INTERIOR ELEVATIONS - CENTRAL WING	A-212
52-01-A-511-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-213
52-01-A-512-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-214
52-01-A-513-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-215
52-01-A-514-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-216
52-01-A-515-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-217
52-01-A-516-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-218
52-01-A-517-0	INTERIOR ELEVATIONS - CENTRAL & NORTH WING	A-219
52-01-A-518-0	INTERIOR ELEVATIONS - NORTH WING	A-220
52-01-A-519-0	INTERIOR ELEVATIONS - NORTH WING	A-221
52-01-A-520-0	INTERIOR ELEVATIONS - NORTH WING	A-222
52-01-A-521-0	INTERIOR ELEVATIONS - NORTH WING	A-223
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DEMOLITION NOTES:

1. REMOVE ALL FLOOR FINISHES AND ALL EXISTING WALL BASES IN AREA OF WORK, DOWN TO THE CONCRETE FLOOR.
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PARTIAL DEMOLITION PLAN - WEST WING																		

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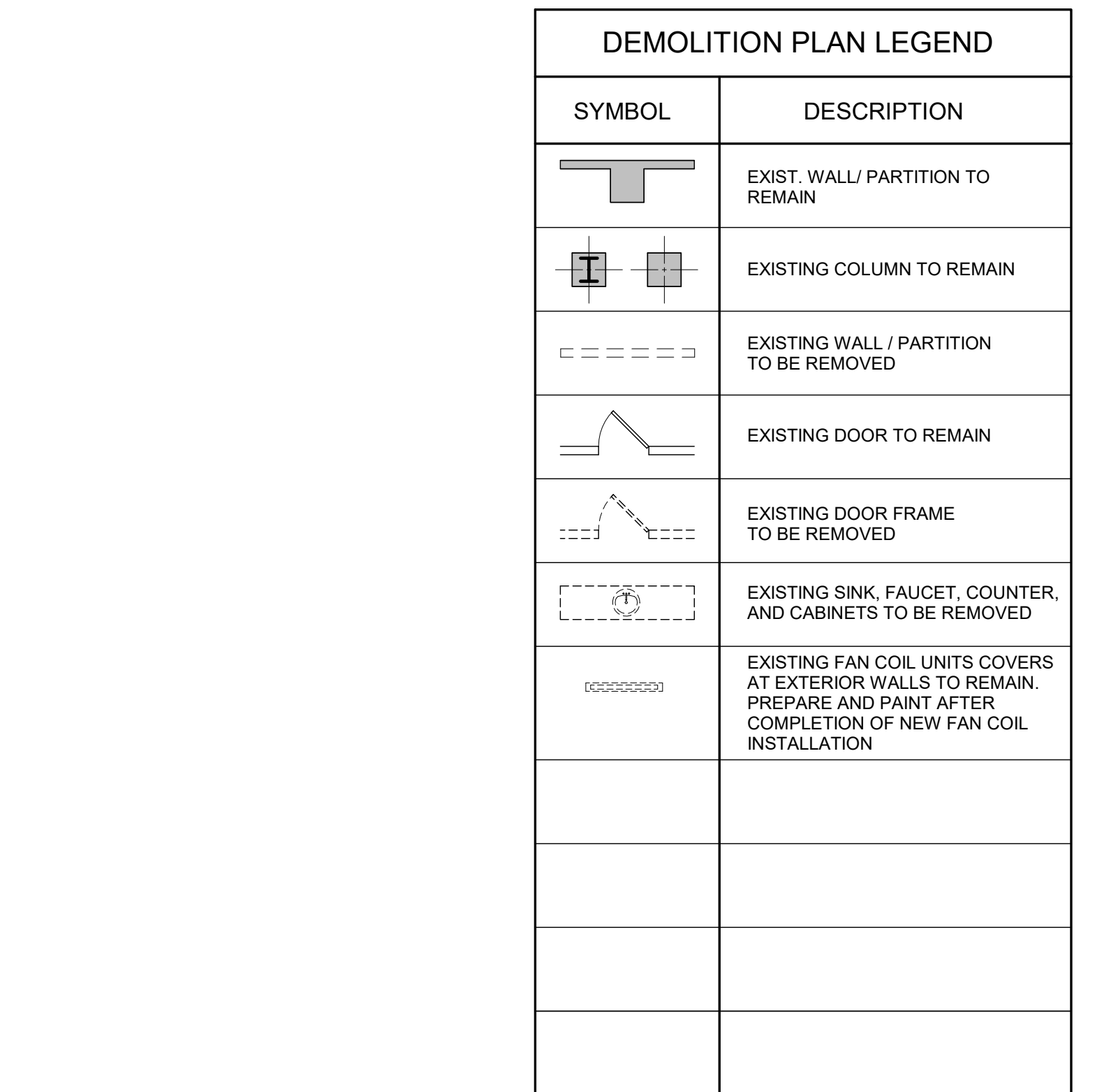
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> CONTRACT NUMBER 19-514 </td> <td style="width: 50%; padding: 5px;"> SHEET NUMBER DM-003 </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> SHEET NO. OF </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> SCALE: 1/8" = 1'-0" DATE: May 20, 2021 Issue Date </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> DPW FILE NO. <div style="display: flex; justify-content: space-between;"> 52-01-T-465 REV NO. </div> </td> </tr> </table>	CONTRACT NUMBER 19-514	SHEET NUMBER DM-003	SHEET NO. OF		SCALE: 1/8" = 1'-0" DATE: May 20, 2021 Issue Date		DPW FILE NO. <div style="display: flex; justify-content: space-between;"> 52-01-T-465 REV NO. </div>	
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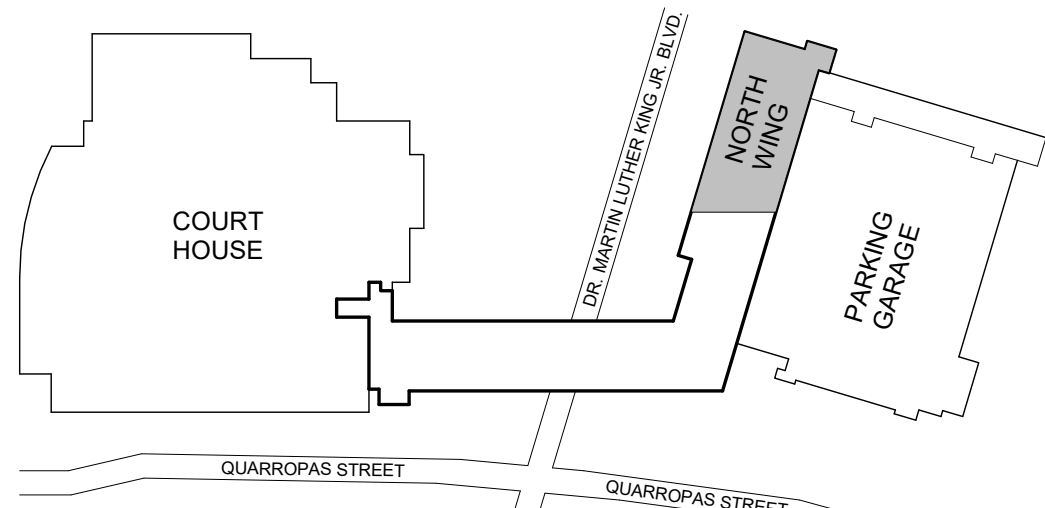
PARTIAL DEMOLITION PLAN - CENTRAL

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LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK PARTIAL DEMOLITION PLAN - NORTH WING				SHEET NUMBER <div style="background-color: black; color: white; text-align: center; font-weight: bold; padding: 10px; font-size: 1.5em;">DM-004</div>
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				Issue Date REV NO. 0



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)

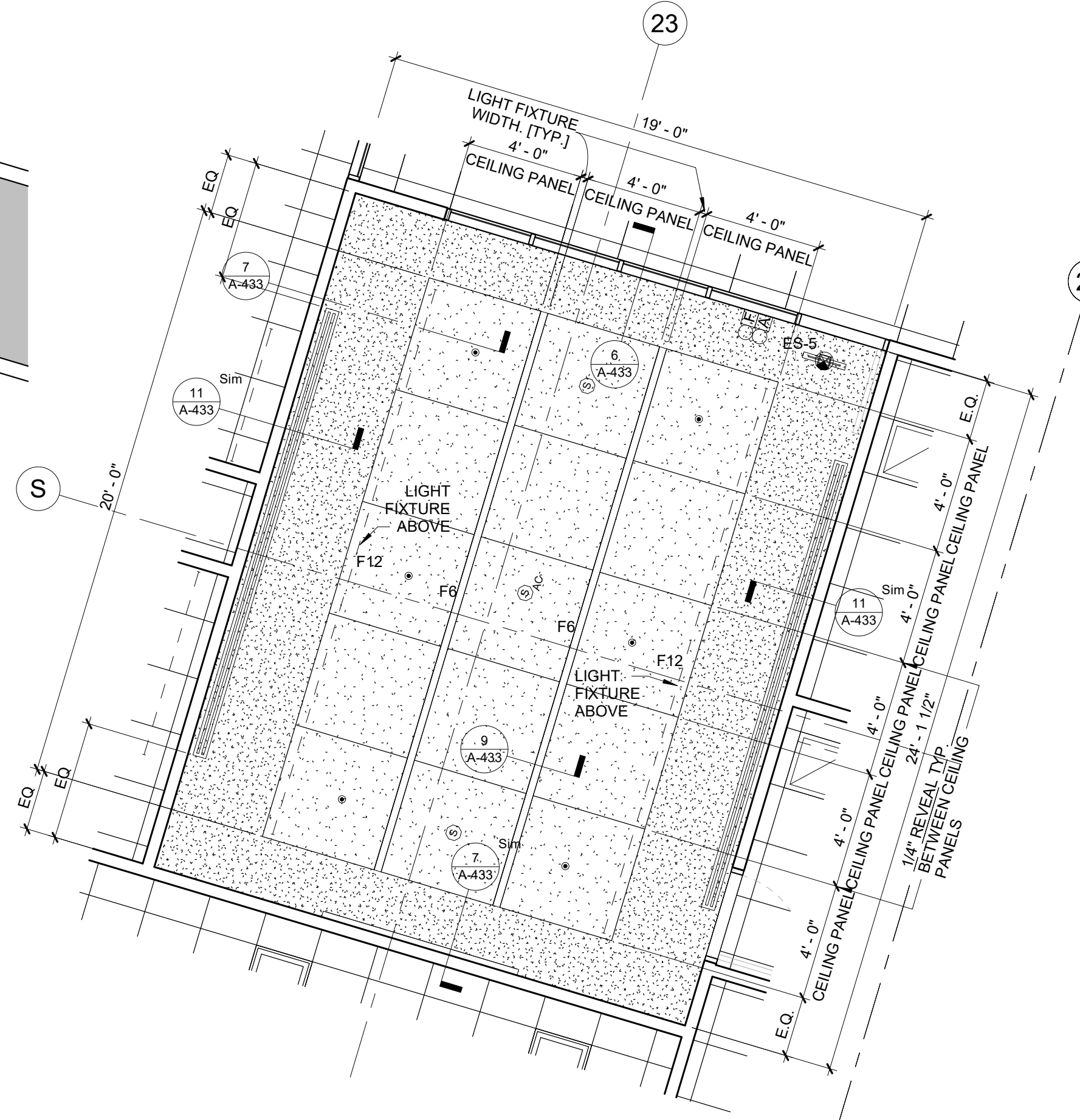
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(PU)
(DOF)
(WCC)
(IT)
(LOU)
(WET)
(HLL)



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 SEAL 		CONSULTANT INFORMATION	
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<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES		CONTRACTOR	
NAME: _____ SIGNATURE: _____ TITLE: _____		NAME: _____ SIGNATURE: _____ TITLE: _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER 19-514 SHEET NO. OF A-114	
DIVISION OF ENGINEERING LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK		SCALE: As indicated DATE: May 20, 2021 Issue Date DPW FILE NO. REV NO. 0	
REFLECTED CEILING PLAN - 3RD FLOOR NORTH WING		52-01-A-480	

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		
	MOTION DETECTOR		CCTV MONITOR

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	
	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

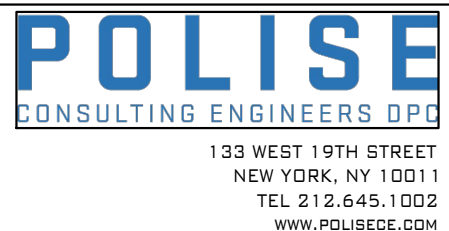
LEGEND

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
UNON	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

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



CONSULTANT SEAL		CONSULTANT INFORMATION			
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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: _____		
TITLE: _____			TITLE: _____		
DATE: _____			DATE: _____		
WESTCHESTER COUNTY, NEW YORK			CONTRACT NUMBER		SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION					T-001
DIVISION OF ENGINEERING			SHEET NO. 1		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 ABBREVIATIONS, LEGEND AND NOTES			REV NO.		

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.

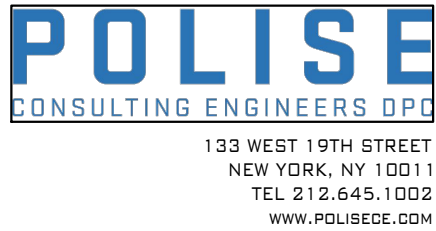
COMMUNICATIONS PATHWAY NOTES:

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.

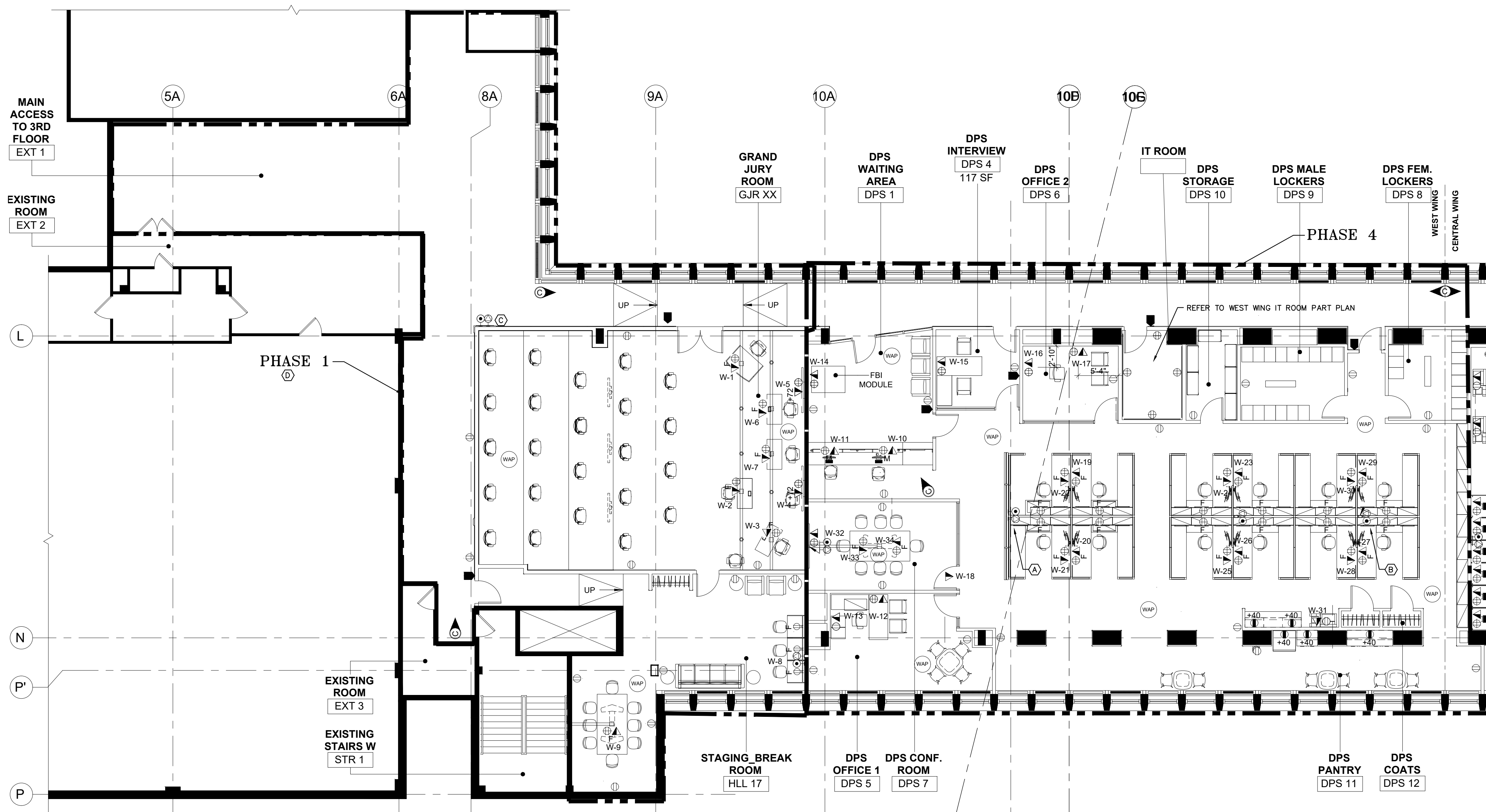
TELECOMMUNICATIONS AND ELECTRICAL DIVISION OF WORK

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	
LAGGING	TC	TC	
TESTING	TC	TC	
TC = TELECOMMUNICATIONS CONTRACTOR			
EC = ELECTRICAL CONTRACTOR			

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		<div>Graf & Lewent Architects LLP</div> <div>90-30 161st Street, Jamaica, NY 11432</div> <div>P: 718-651-6200 F: 718-251-6989</div>			
1	06/21/2021			ADDENDUM #1	
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RECORD DRAWING CERTIFICATION					
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CONTRACTOR			CONTRACTOR		
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TITLE: _____			TITLE: _____		
DATE: _____			DATE: _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION				CONTRACT NUMBER	SHEET NUMBER
DIVISION OF ENGINEERING					T-002
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601				SHEET NO. 2 OF 10	
TELECOMMUNICATIONS GENERAL NOTES				DATE: MAY 20, 2021 DPW FILE NO.	REV NO.



GENERAL NOTES

1. 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.
2. REFER TO PHASING NOTES ON ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR ALL PHASING DETAILS.
3. OUTLET IDENTIFICATION NUMBERING SHALL COMPLY WITH IT DEPARTMENT REQUIREMENTS, EACH CABLEING SHALL BE TAGGED AT ALL TERMINATION POINTS.
4. IDENTIFY ALL INFEED LOCATIONS WITH FURNITURE MANUFACTURER AND ELECTRICAL CONTRACTOR PRIOR TO WORK COMMENCING.
5. PROVIDE ADEQUATE SUPPORT ABOVE CEILING FOR CABLES, PROVIDE CABLE TRAY AS APPLICABLE.

KEY NOTES

- (A) 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.
- (B) 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.
- (C) COORDINATE CABLE RUN FOR WALL DISPLAY DATA OUTLET.
- (D) PHASE 1 NOTE: ALL CABLEING SERVING DEVICES TO BE INSTALLED AS PART OF PHASE 1 SHALL BE TERMINATED IN CENTRAL IT ROOM. IN A DEDICATED PATCH PANEL. AT COMPLETION OF WEST IT ROOM DURING PHASE 4, THESE CABLES SHALL BE TERMINATED IN WEST WING IT ROOM.

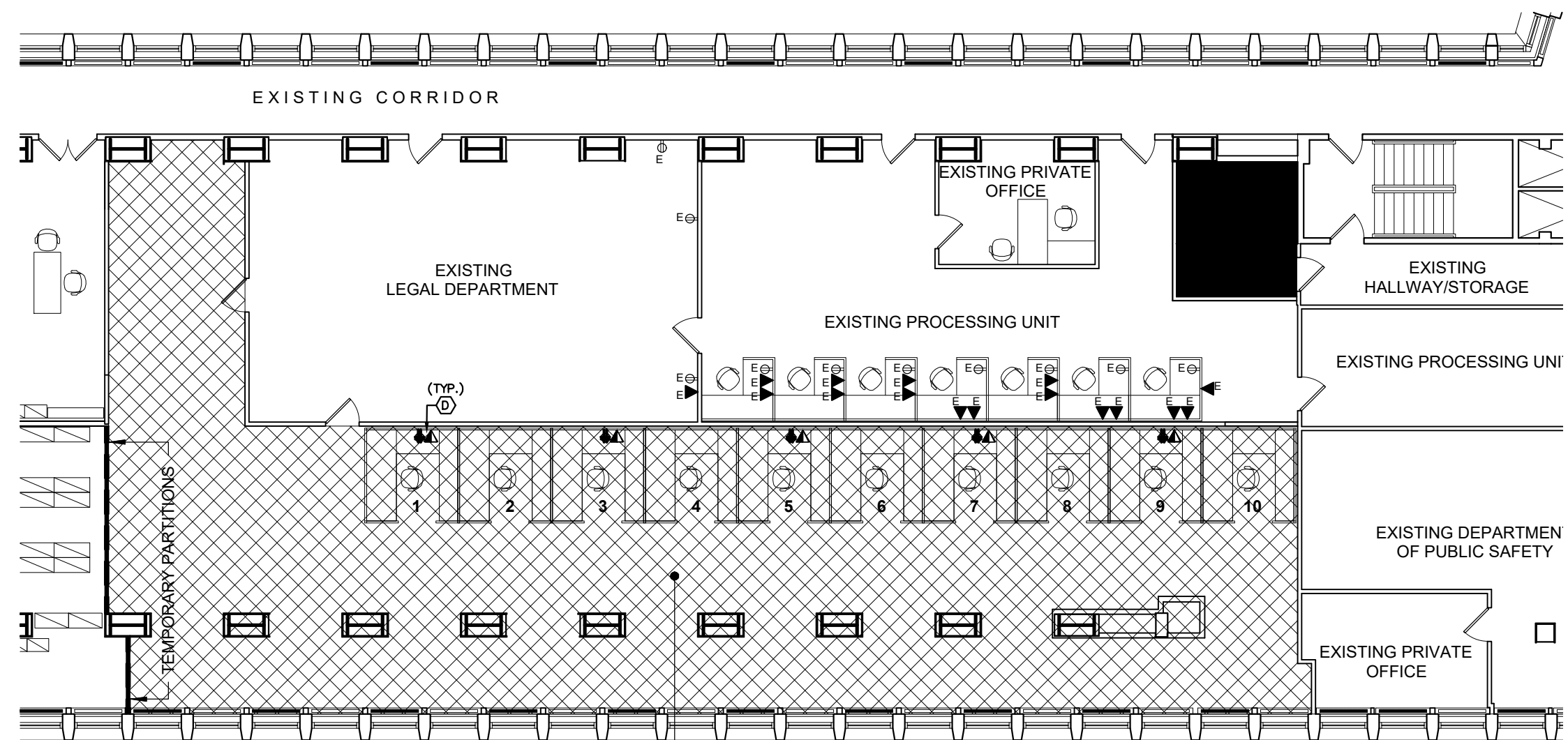
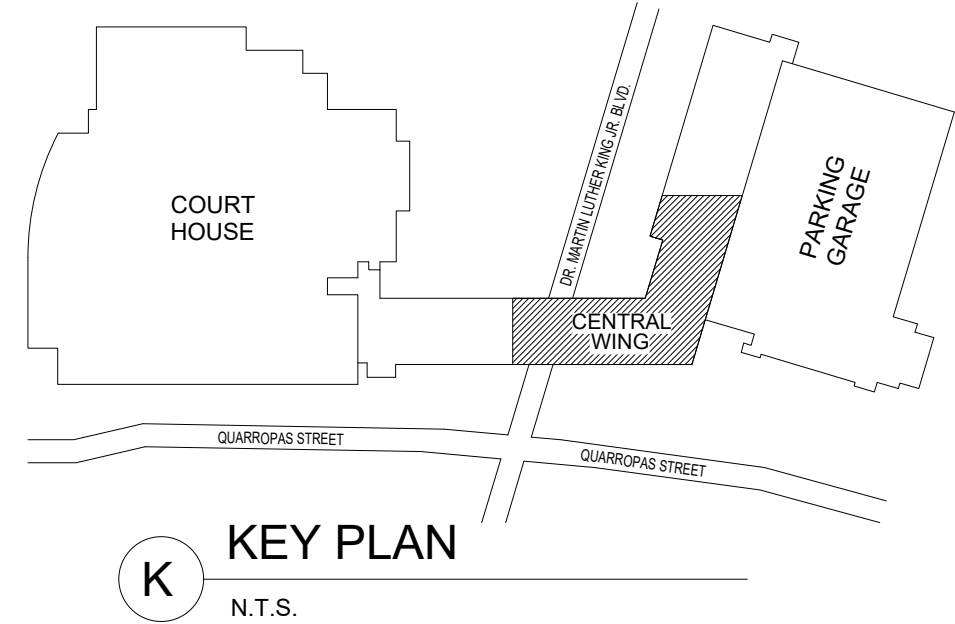
CONSULTANT SEAL		CONSULTANT INFORMATION	
<h1 style="margin: 0;">Graf & Lewent</h1> <h2 style="margin: 0;">Architects LLP</h2> <p style="font-size: 1.2em; margin: 10px 0 0 0;">90-30 161st Street, Jamaica, NY 11432 P: 718-651-6200 F: 718-251-6989</p>			
1	06/21/2021		ADDENDUM #1
REVISION NUMBER	DATE	MADE BY	APP'D BY
		REVISION	

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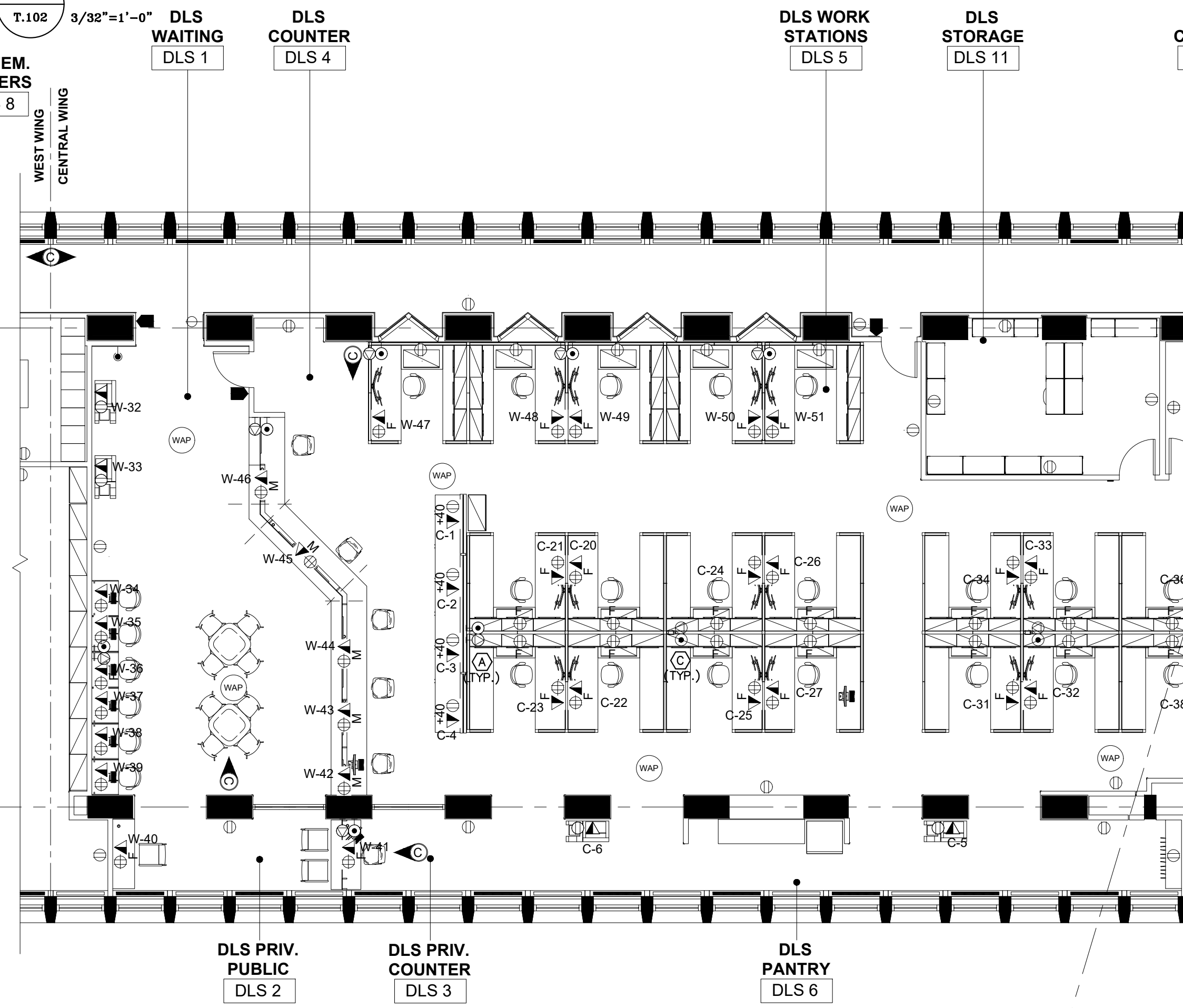
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601 TELECOMMUNICATIONS PLAN - 3RD FLOOR WEST WING	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">CONTRACT NUMBER</td> <td style="width: 50%; padding: 2px;">SHEET NUMBER</td> </tr> <tr> <td style="height: 40px;"></td> <td style="text-align: center; font-size: 1.5em; font-weight: bold;">T-101</td> </tr> <tr> <td colspan="2" style="padding: 2px;">SHEET NO. 03 OF 10</td> </tr> <tr> <td colspan="2" style="padding: 2px;">SCALE: AS NOTED</td> </tr> <tr> <td colspan="2" style="padding: 2px;">DATE: MAY 20, 2021</td> </tr> <tr> <td colspan="2" style="padding: 2px;">DPW FILE NO.</td> </tr> </table>	CONTRACT NUMBER	SHEET NUMBER		T-101	SHEET NO. 03 OF 10		SCALE: AS NOTED		DATE: MAY 20, 2021		DPW FILE NO.	
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	T-101												
SHEET NO. 03 OF 10													
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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

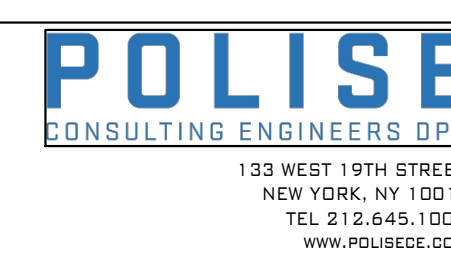
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- REFER TO PHASING NOTES ON ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR ALL PHASING DETAILS.
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- IDENTIFY ALL INFEEED LOCATIONS WITH FURNITURE MANUFACTURER AND ELECTRICAL CONTRACTOR PRIOR TO WORK COMMENCING.
- 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.

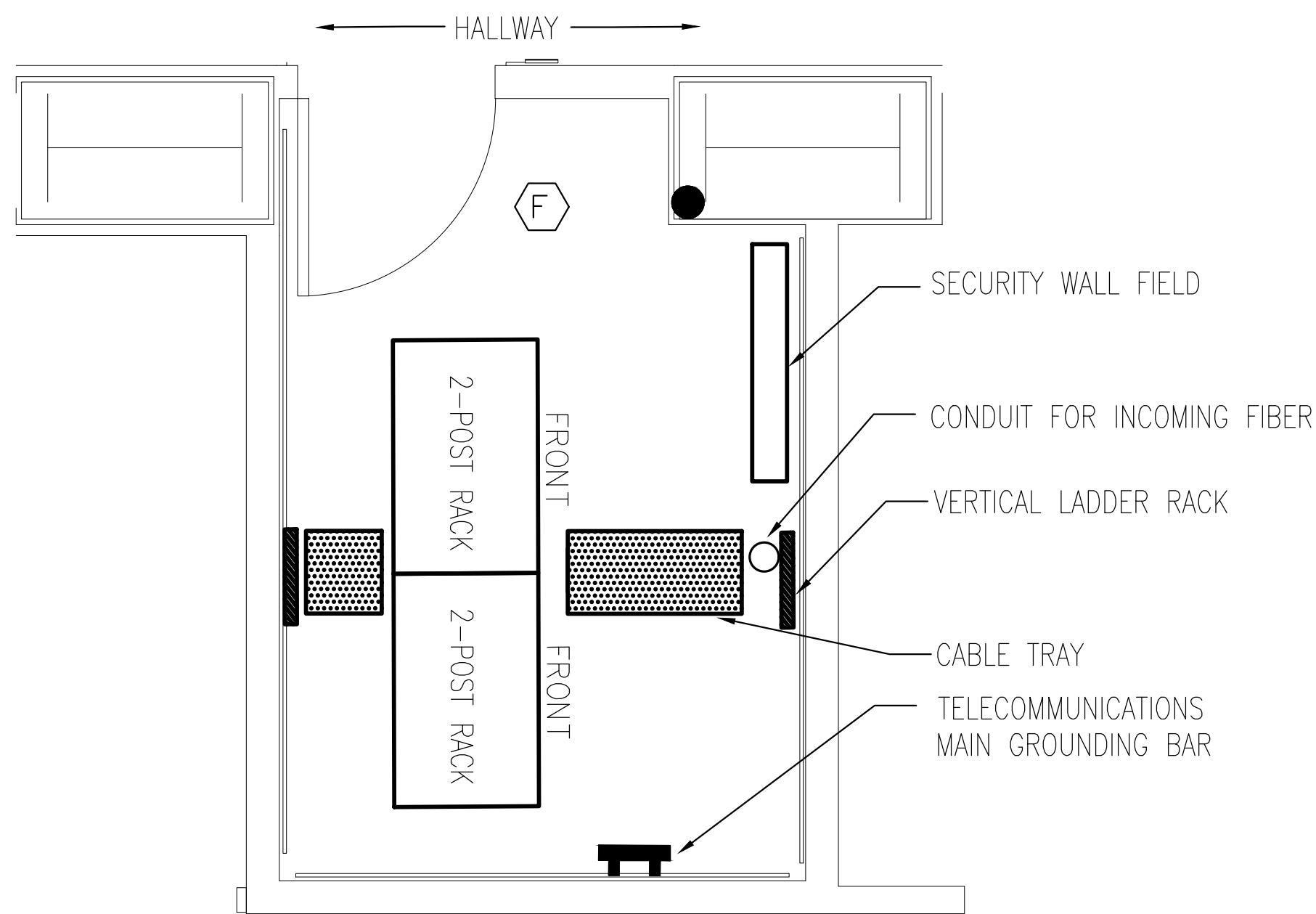
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1 REVISION NUMBER		06/21/2021 DATE	ADDENDUM #1 MADE BY APPD BY REVISION
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER T-102	
DIVISION OF ENGINEERING		SHEET NO. 04 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 DPW FILE NO.	
TELECOMMUNICATIONS PLAN - 3RD FLOOR CENTRAL WING		REV NO.	

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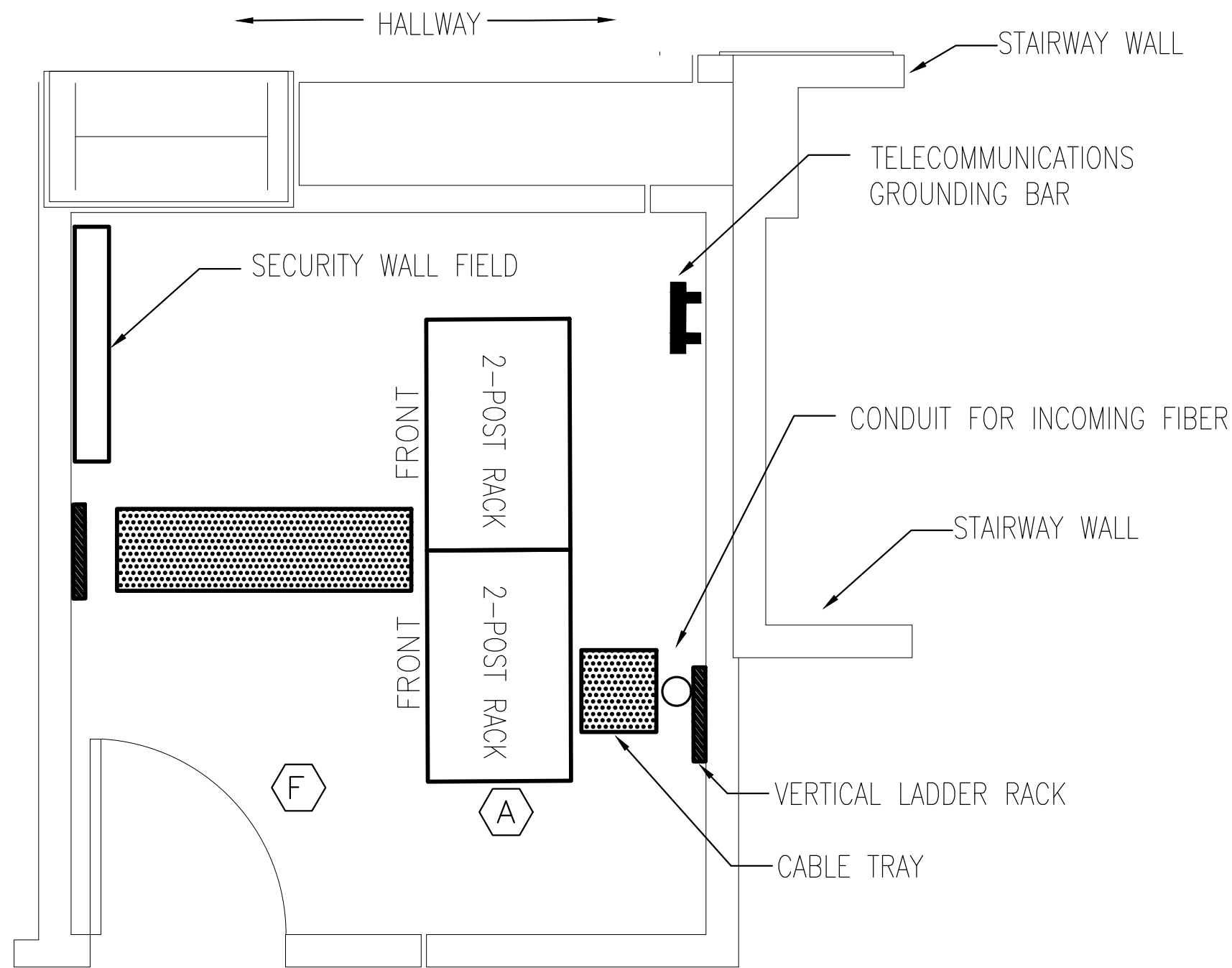


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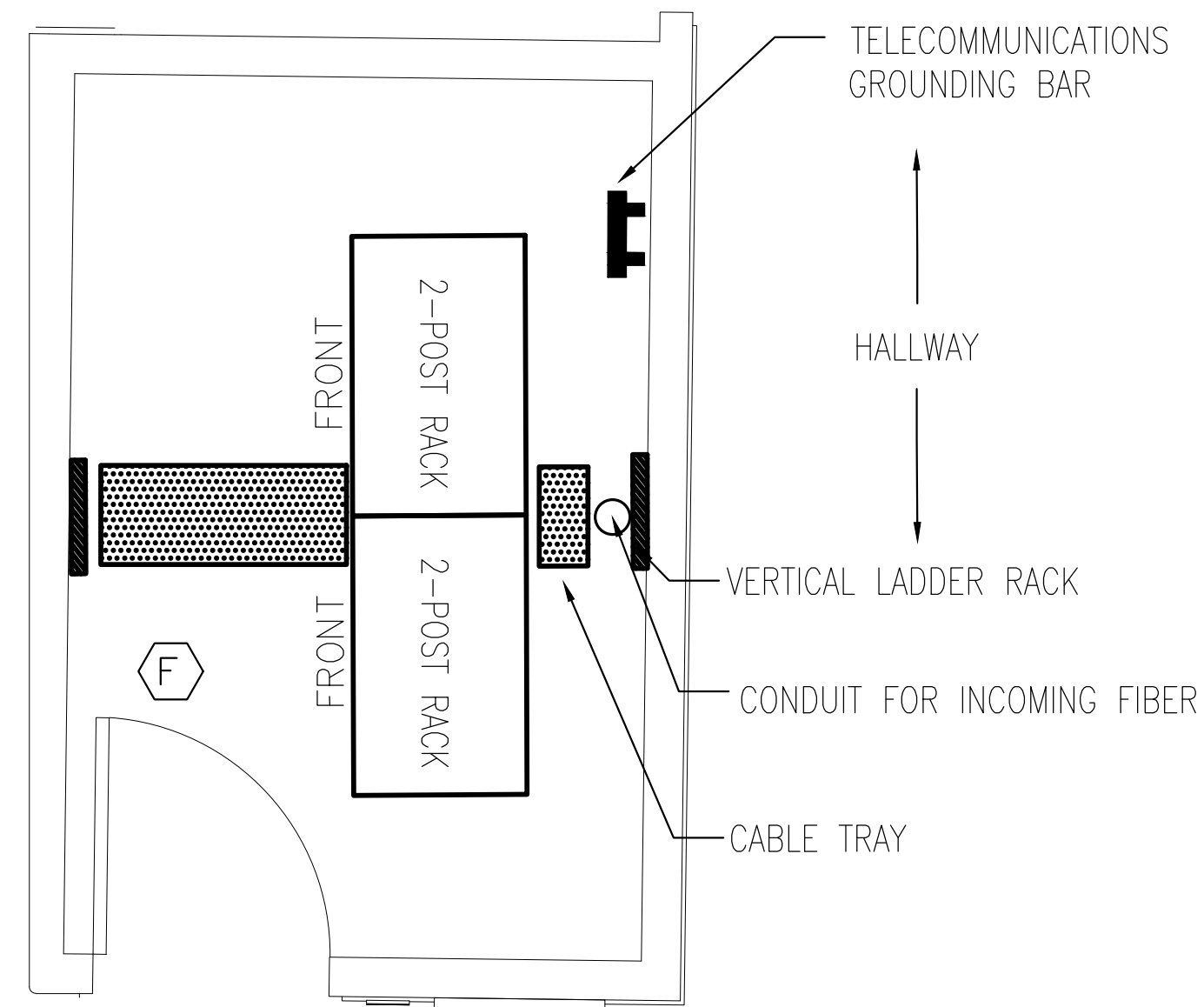
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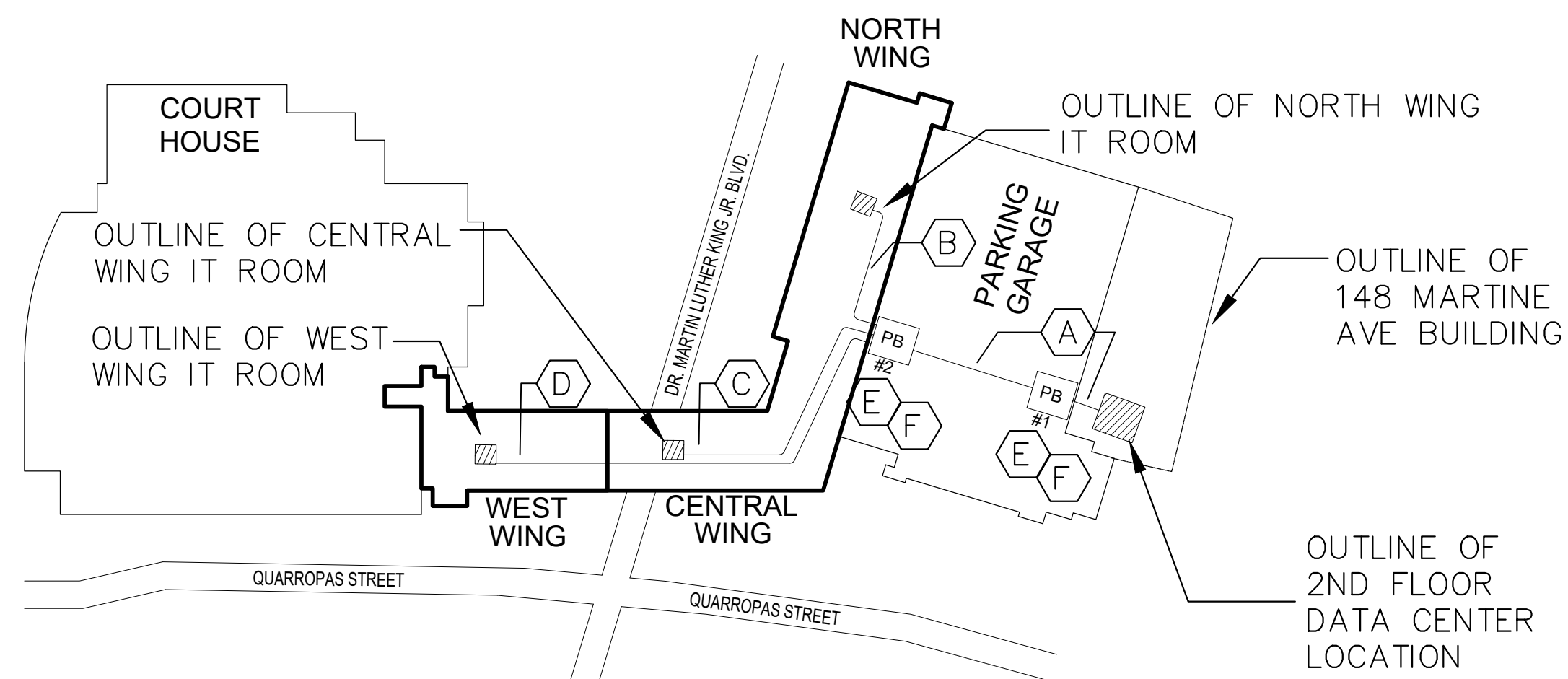
1 IT ROOM PART PLAN - WEST WING
T.104 1/8"=1'-0"



2 IT ROOM PART PLAN - CENTRAL WING
T.104 1/8"=1'-0"



3 IT ROOM PART PLAN - NORTH WING
T.104 1/8"=1'-0"



4 OVERALL BACKBONE CONDUIT KEY PLAN
T.104 NTS

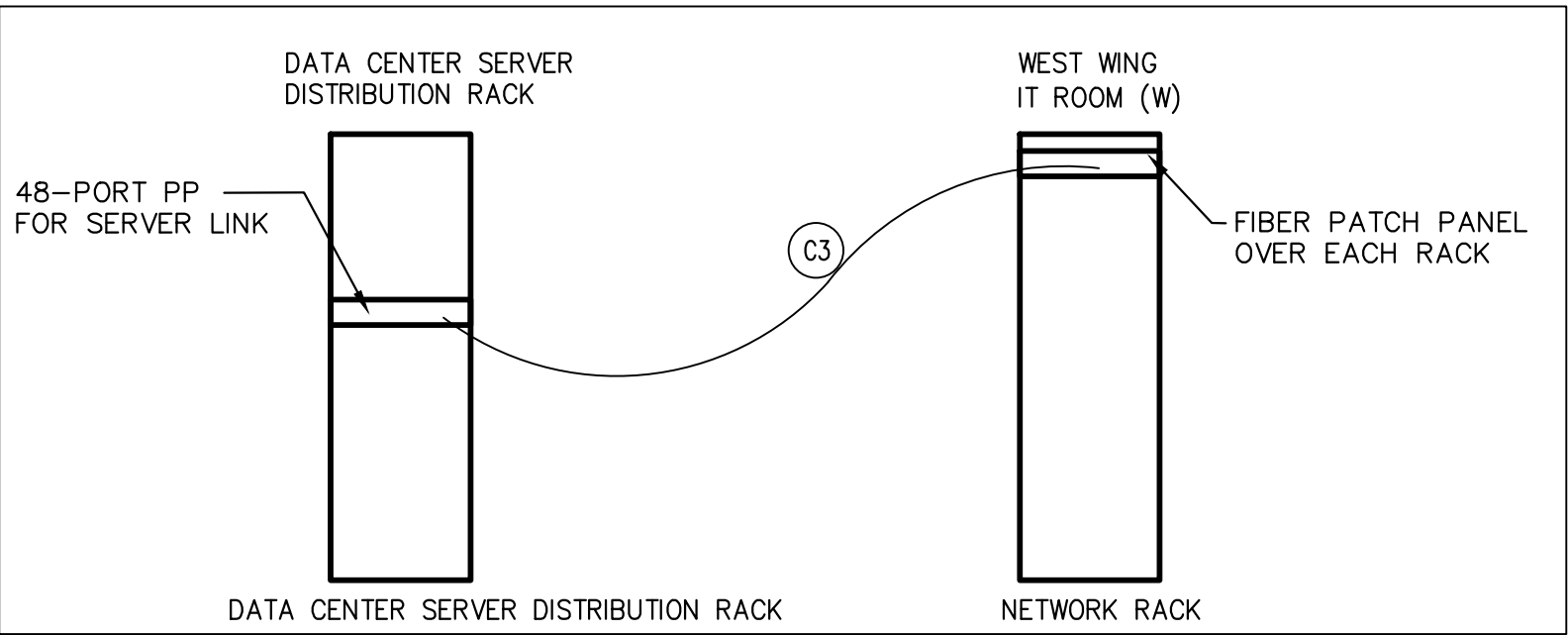
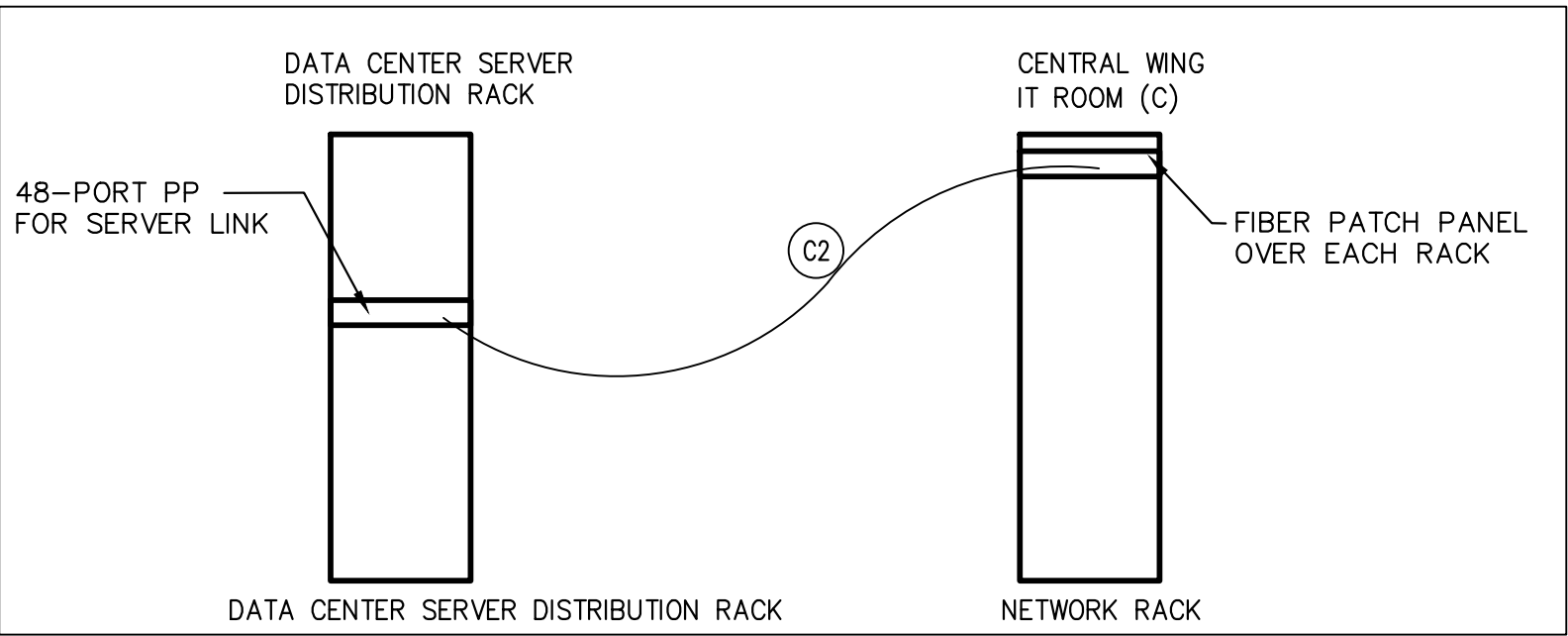
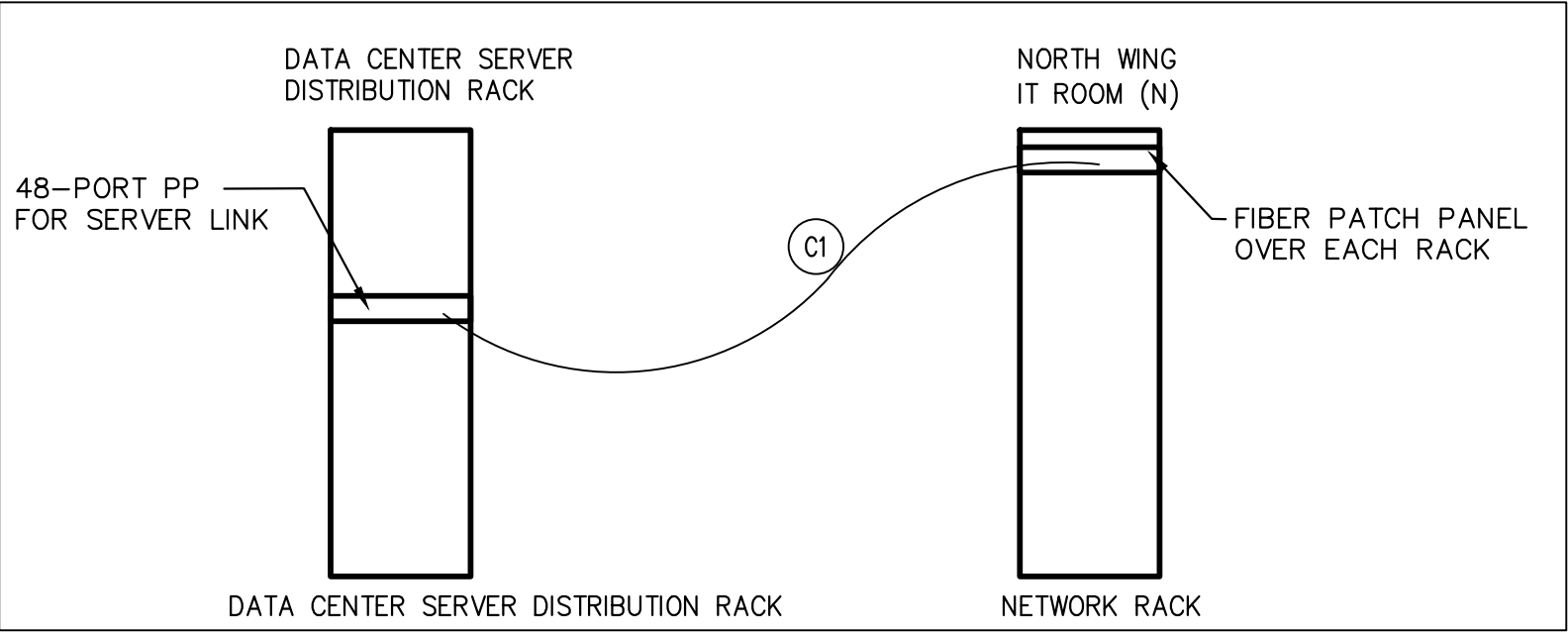
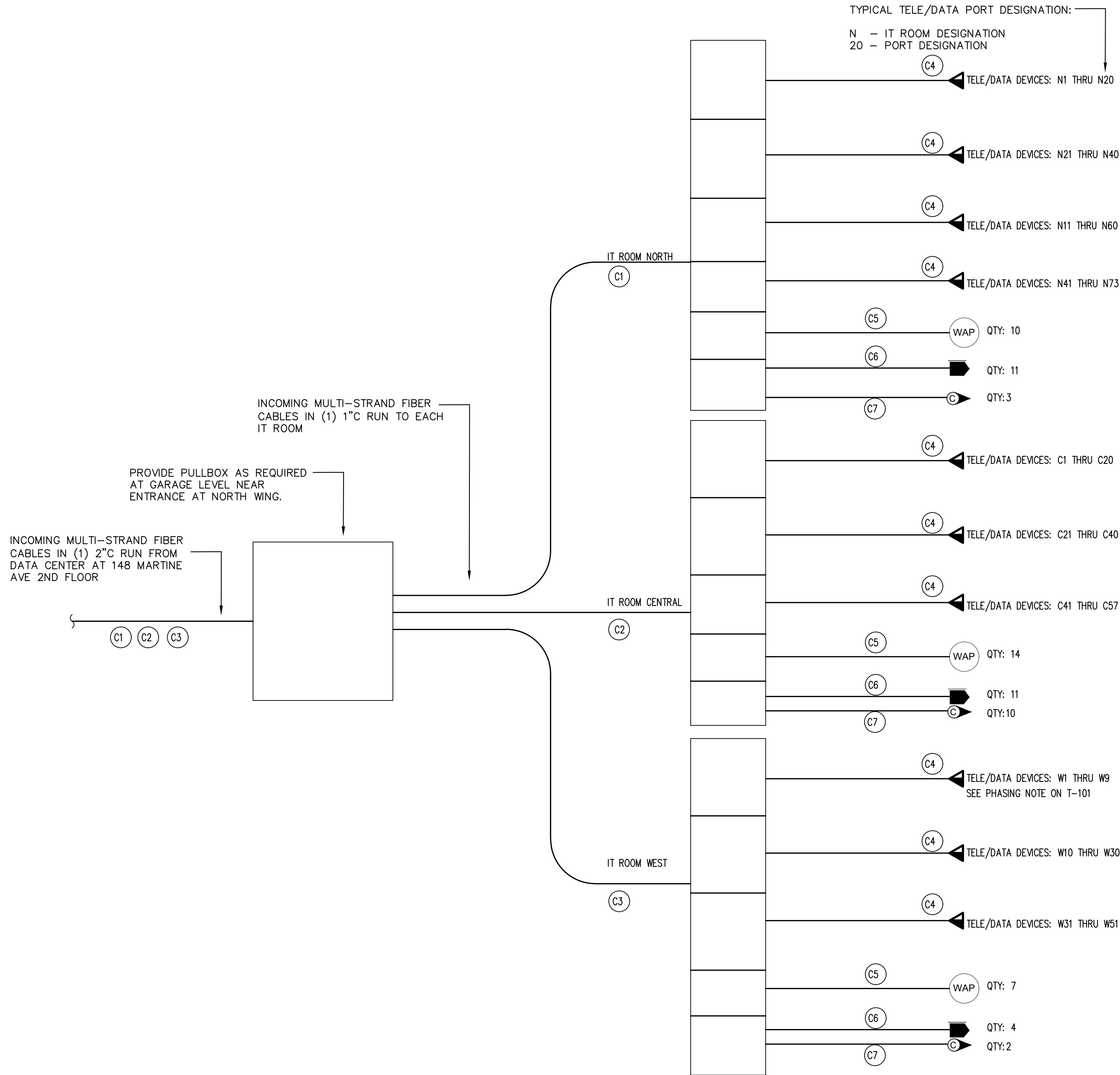
KEY NOTES

- (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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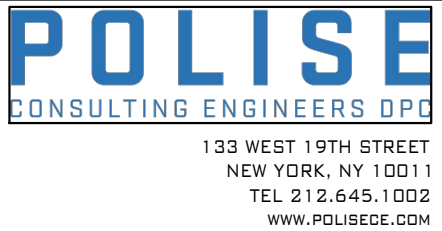
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER T-104	
DIVISION OF ENGINEERING		SHEET NO. 6 OF 10	
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601		SCALE: AS NOTED DATE: MAY 20, 2021 DPW FILE NO. _____	
TELECOMMUNICATIONS PART PLANS		REV NO. _____	

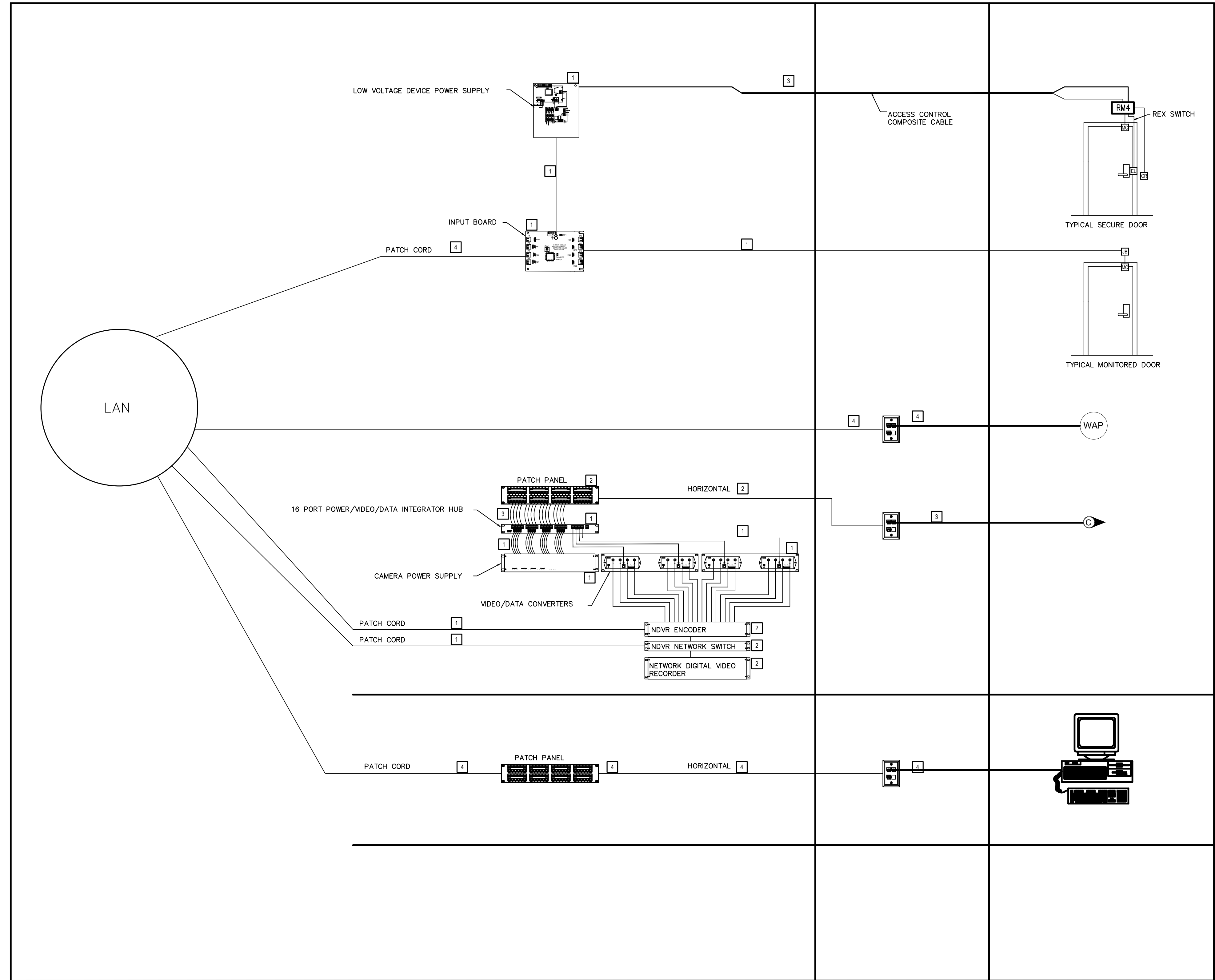


CABLE #	CABLE NAME	CABLE TYPE	TERMINATION
(C1)	PRIMARY BACKBONE	24-STRAND MULTI-MODE 50 MICRON OM4 OR BETTER	FIBER PATCH PANEL
(C2)	PRIMARY BACKBONE	24-STRAND MULTI-MODE 50 MICRON OM4 OR BETTER	FIBER PATCH PANEL
(C3)	PRIMARY BACKBONE	24-STRAND MULTI-MODE 50 MICRON OM4 OR BETTER	FIBER PATCH PANEL
(C4)	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	SHEET NUMBER
DIVISION OF ENGINEERING					T-300
LOW RISE BUILDING RENOVATIONS AND HVAC IMPROVEMENTS 110 DR. MARTIN LUTHER KING, JR. BOULEVARD WHITE PLAINS, NEW YORK 10601				SHEET NO. 7 OF 10	
TELECOMMUNICATIONS RISER DIAGRAM				SCALE: AS NOTED DATE: MAY 20, 2021 DPW FILE NO.	REV NO.



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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WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		T-301	
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		REV NO.	

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

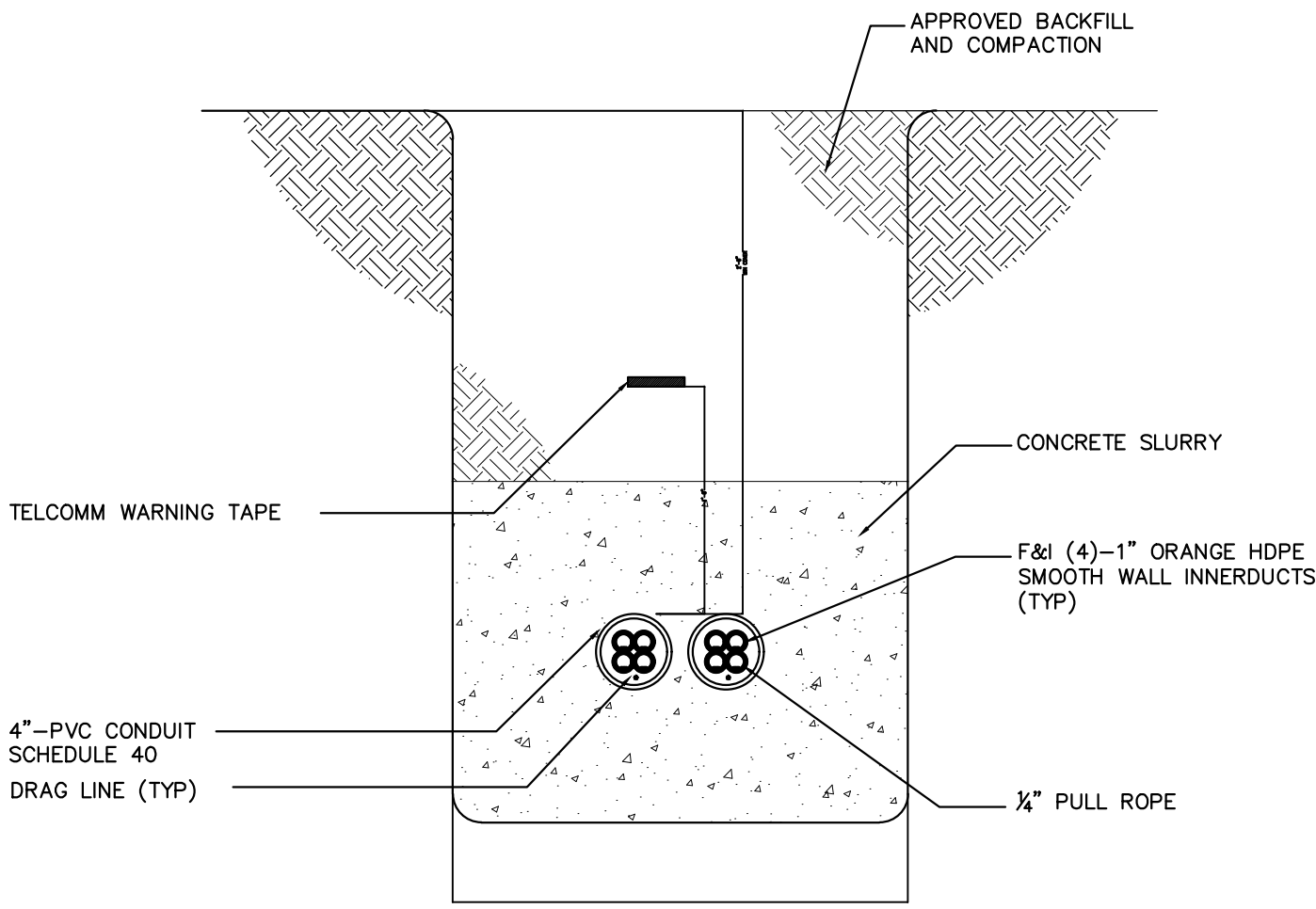
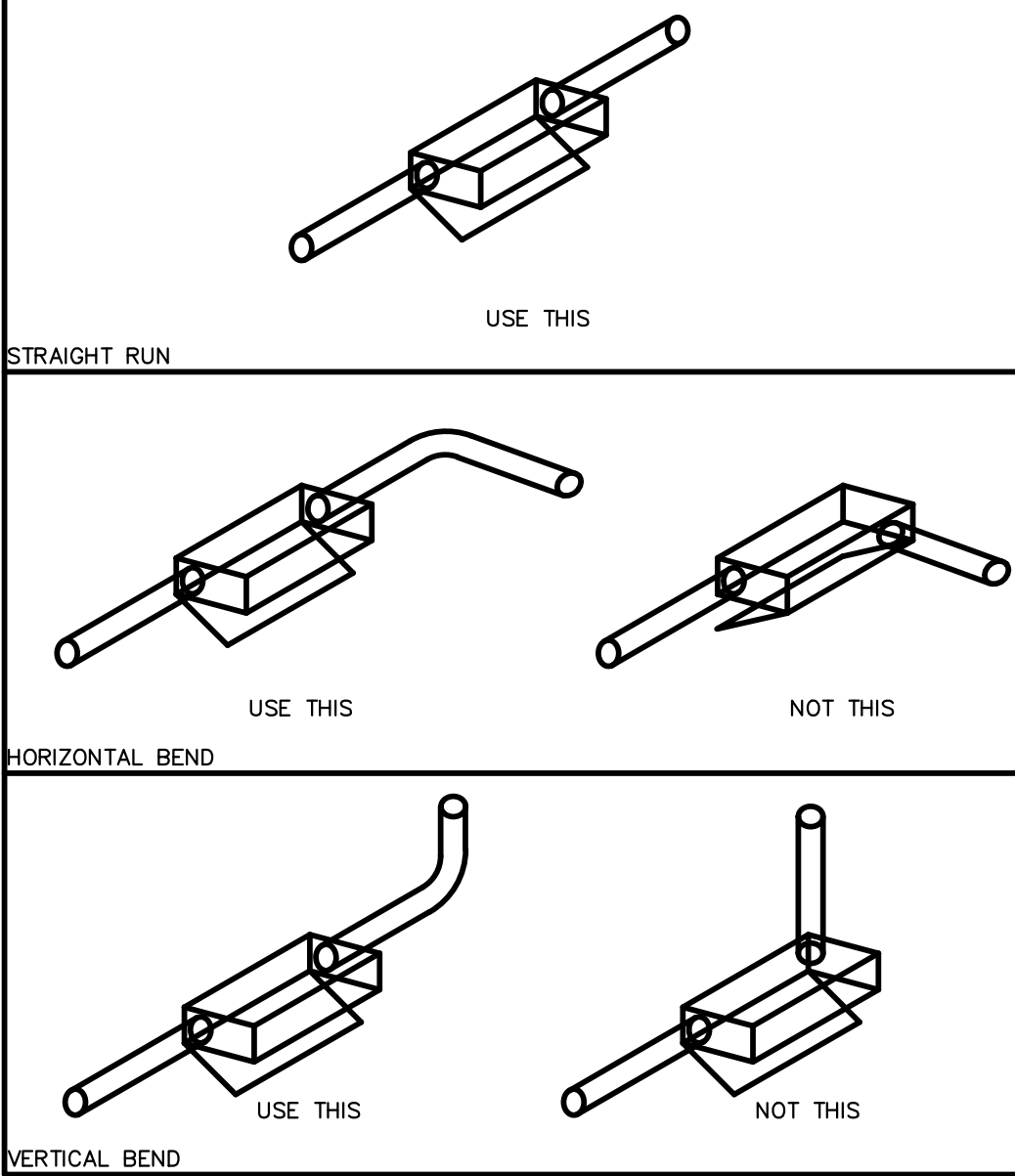
PULL BOX SIZING FOR BACKBONE CABLE				
CONDUIT TRADE SIZE	WIDTH (IN)	LENGTH (IN)	DEPTH (IN)	INCREASE FOR ADDITIONAL CONDUIT (IN)
1	4	16	3	2
1 1/4	6	20	3	3
1 1/2	8	27	4	4
2	8	36	4	5
2 1/2	10	42	5	6
3	12	48	5	6
3 1/2	12	54	6	6
4	15	60	8	8

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



1 TELECOMMUNICATIONS CONDUIT DETAIL

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.

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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		CONTRACT NUMBER T-401	
DIVISION OF ENGINEERING		SHEET NO. 10 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 DPW FILE NO.	
TELECOMMUNICATIONS INSTALLATION DETAILS		REV NO.	