



ROOT 3 POWER, LLC

SPECIFICATION

DRAFTING & DESIGN STANDARD

Date:

02/2025

Job #:

-

Doc #:

R3P—SPEC-002

Rev #:

0

1 Drawing Numbering

Follow the National CAD Standard numbering format:

R3P-<PROJECT#>-<DISCIPLINE><TYPE>-<SEQUENCE#>

LEVEL 1 DISCIPLINE DESIGNATORS		SHEET TYPE DESIGNATORS	
G	GENERAL	0	GENERAL (SYMBOLS LEGEND, NOTES, ETC.)
H	HAZARDOUS MATERIALS	1	PLANS (HORIZONTAL VIEWS)
V	SURVEY/MAPPING	2	ELEVATIONS (VERTICAL VIEWS)
B	GEOTECHNICAL	3	SECTIONS (SECTIONAL VIEWS, WALL SECTIONS)
C	CIVIL	4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, STAIR SECTIONS, OR SECTIONS THAT ARE NOT DETAILS)
L	LANDSCAPE	5	DETAILS
S	STRUCTURAL	6	SCHEDULES AND DIAGRAMS
A	ARCHITECTURAL	7	USER DEFINED
I	INTERIORS	8	USER DEFINED
Q	EQUIPMENT	9	3D REPRESENTATIONS
F	FIRE PROTECTION		
P	PLUMBING		
D	PROCESS		
M	MECHANICAL		
E	ELECTRICAL		
W	DISTRIBUTED ENERGY		
T	TELECOMMUNICATIONS		
R	RESOURCE		
X	OTHER DISCIPLINES		
Z	CONTRACTOR/SHOP DRAWINGS		
O	OPERATIONS		

EXAMPLE: An electrical plan drawing for project 24001.

R3P-24001-E1-0001

1.1 TYPE 0

Sequence numbering – Cover Page is '0000'. Drawing Index should be '0001'

0001-0100	COVER PAGE, DRAWING INDEX
0101-0200	CABLE SCHEDULE
0201-0300	BILL OF MATERIAL
0301-0400	
0401-0500	
0501-0600	
0601-0700	
0701-0800	
0801-0900	
0901-1000	



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1.2 TYPE = 1

Sequence numbering – Key plan should be '01' then start sequential numbering for 'zoomed in' plan views.

0000 RESERVED FOR XREF PLOT PLAN

0001-0100	AREA PLANS
0101-0200	AREA CLASS
0201-0300	
0301-0400	CABLE TRAY ROUTING PLANS
0401-0500	POWER & CONTROL ROUTING PLANS
0501-0600	INSTRUMENTATION PLANS
0601-0700	GROUNDING PLANS
0701-0800	FOUNDATION PLANS
0801-0900	CABLE TRAY SUPPORT PLANS
0901-1000	

1.3 TYPE = 2

1.4 TYPE = 3

1.5 TYPE = 4

1.6 TYPE = 5

Sequence numbering – Separate details by discipline, then type .

0001-0100	
0101-0200	ELECTRICAL INSTALLATION
0201-0300	CABLE TRAY INSTALLATION
0301-0400	INSTRUMENTATION INSTALLATION
0401-0500	FOUNDATIONS
0501-0600	CABLE TRAY SUPPORTS
0601-0700	
0701-0800	
0801-0900	GROUNDING
0901-1000	

1.7 TYPE 6

Sequence numbering – Separate in blocks of 100

0001-0100	SINGLE LINE DIAGRAMS
0101-0200	THREE LINE DIAGRAMS
0201-0300	AC SCHEMATICS
0301-0400	DC SCHEMATICS
0401-0500	WIRING DIAGRAMS
0501-0600	
0601-0700	PANEL SCHEDULES
0701-0800	
0801-0900	
0901-1000	