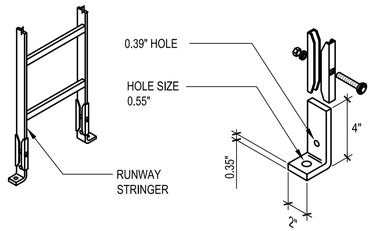
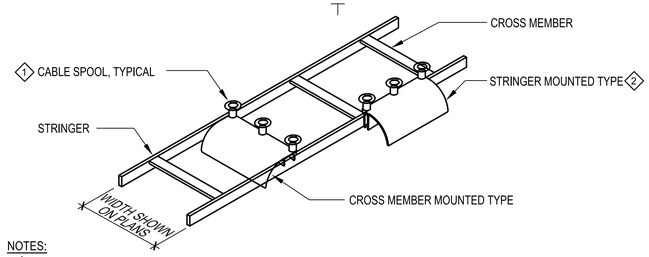


GENERAL NOTE:

1. ALL CABLE TRAY SECTIONS MUST BE BONDED WITH A MINIMUM #2 AWG BARE COPPER CONDUCTOR VIA TWO-HOLE LONG BARREL LUGS. LUGS MUST BE FASTENED WITH STAINLESS STEEL HARDWARE.

1 CABLE TRAY END SUPPORT DETAIL
NOT TO SCALE

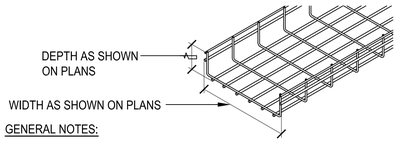


NOTES:

1. PROVIDE CABLE SPOOL ABOVE EACH CABINET AND WHERE CABLING TRANSITIONS TO AREA BELOW.
2. RADIUS OF DROP-OUT MUST BE 12" MINIMUM AND AS PER MANUFACTURERS RECOMMENDATION.

4 CABLE TRAY RADIUS DROP DETAIL
NOT TO SCALE

SECTION SIDE VIEW



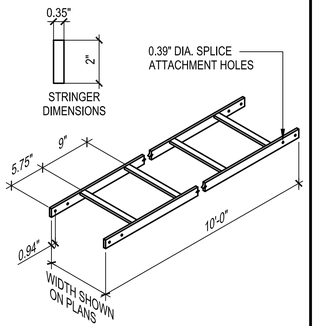
GENERAL NOTES:

1. CABLE TRAY MUST BE WIRE BASKET TYPE THAT IS FORMABLE IN THE FIELD.
2. CABLE TRAY TRAY MUST BE CONSTRUCTED OF HIGH STRENGTH ELECTRO-PLATED ZINC GALVANIZED STEEL RODS. WIRE MUST BE CONFIGURED IN A 2"x4" GRID PATTERN WITH WIRES WELDED AT THE INTERSECTION POINTS. THE ENDS OF THE WIRE MESH PATTERN MUST BE BENT UP TO FORM THE SIDES OF THE WIRE BASKET TRAY.
3. PROVIDE PLASTIC PROTECTIVE END CAPS TO PREVENT DAMAGE TO CABLE AND INJURY TO INSTALLERS.
4. PROVIDE #2 AWG BARE COPPER, (UNLESS OTHERWISE NOTED) GROUND WIRE THROUGHOUT CABLE TRAY AND BOND TO EACH SECTION. SEE (8).

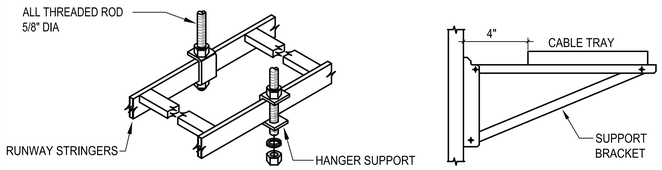
7 BASKET TYPE TRAY DETAIL
NOT TO SCALE

GENERAL NOTES:

1. SEE (1) FOR CABLE TRAY END SUPPORT DETAIL.
2. SEE (5) FOR HORIZONTAL CABLE TRAY SUPPORT DETAIL.
3. PROVIDE A CABLE RADIUS DROP ACCESSORY ABOVE EACH CABINET.
4. PROVIDE END CAPS TO OPEN ENDS OF CABLE RUNWAYS.
5. DIMENSIONS ARE NOMINAL.
6. ALL CABLE TRAY SECTIONS MUST BE BONDED WITH A MINIMUM #2 AWG BARE COPPER CONDUCTOR VIA TWO-HOLE LONG BARREL LUGS. LUGS MUST BE FASTENED WITH STAINLESS STEEL HARDWARE.



2 CABLE TRAY DETAIL
NOT TO SCALE



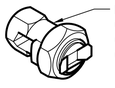
OPEN AREA MOUNTING

WALL PERIMETER MOUNTING

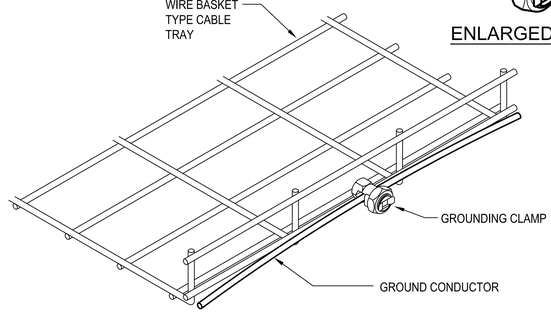
GENERAL NOTES:

1. PROVIDE THREADED ROD PROTECTOR SLEEVES FOR ALL THREADED RODS 8" OR GREATER IN LENGTH.
2. PROVIDE THREADED ROD END CAPS OVER ALL EXPOSED ENDS.
3. FOR THREADED ROD CONNECTION TO CEILING, SEE (6).

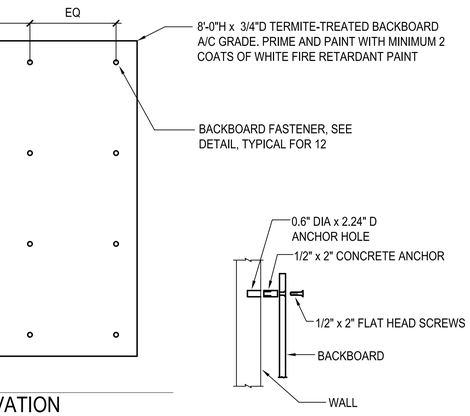
5 HORIZONTAL CABLE TRAY SUPPORT DETAIL
NOT TO SCALE



ENLARGED VIEW



8 BASKET CABLE TRAY GROUNDING CLAMP DETAIL
NOT TO SCALE



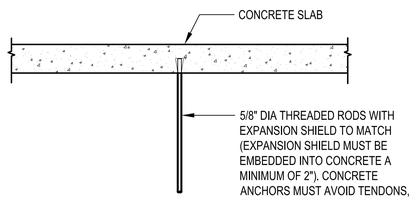
ELEVATION

BACKBOARD FASTENING DETAIL

GENERAL NOTES:

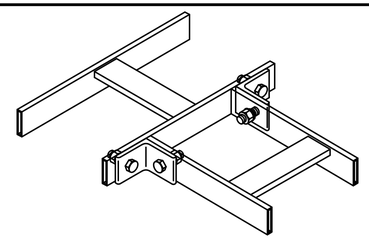
1. WHEN INSTALLING BACKBOARD ON GYPSUM WALL, VERIFY THE LOAD RATING OF THE WALL IS ADEQUATE. USE TOGGLE BOLTS (BUTTERFLY BOLTS) TO ENSURE THE STABILITY OF THE INSTALLATION. TOGGLE BOLTS MUST BE A MINIMUM OF 1/4" IN DIAMETER AND MUST BE SUFFICIENT IN LENGTH TO ALLOW THE BOLT TO SIT BEHIND THE GYPSUM WALL AFTER INSTALLATION.
2. MANUFACTURERS FIRE RATED STAMP MUST BE VISIBLE.
3. PROVIDE 3/4"-INCH THICK A-C PLYWOOD, VOID FREE AND ATTACHED VERTICALLY TO THE WALL IN LINE WITH CONDUIT PENETRATIONS. PLYWOOD MUST BE FIRE-RATED AND CAPABLE OF SUPPORTING ATTACHED EQUIPMENT. THE PLYWOOD MUST BE INSTALLED WITH THE FIRE-RATING STAMP FACING OUT TOWARD THE ROOM. THE PLYWOOD MUST BE PAINTED TO MATCH THE WALLS WITHIN THE BUILDING. THE FIRE-RATING STAMP MUST BE PROTECTED BEFORE PAINTING TO PREVENT PAINTING OVER THE STAMP. THE FIRE-RATING STAMP MUST BE CLEARLY VISIBLE FOR INSPECTION.

3 TELECOM BACKBOARD DETAIL
NOT TO SCALE



CONDITION AT CONCRETE SLAB

6 THREADED ROD ANCHOR DETAIL
NOT TO SCALE



GENERAL NOTE:

1. ALL CABLE TRAY SECTIONS MUST BE BONDED WITH A MINIMUM #2 GREEN INSULATED CONDUCTOR VIA TWO-HOLE LONG BARREL LUGS. LUGS MUST BE FASTEN WITH STAINLESS STEEL HARDWARE.

9 CABLE TRAY JUNCTION SPLICE DETAIL
NOT TO SCALE

IF SHEET IS LESS THAN 24" X 36" REDUCED PRINT – USE GRAPHIC SCALES

REVISIONS

No.	Description	Date

TRMA
Taniguchi Ruth Makio Architects
100 Cliff Business Center, P.O. Box EA, Agana, GU 96910
Tel.: (671) 475-8772 • Fax.: (671) 472-3381
Architecture
Planning
Interior Design

EMCE • Consulting engineers
SUITE 201, 133 ANTONIA COURT
P.O. BOX 8888 TAMUNING, GUAM 96931
671 . 649-0166/7 Phone
671 . 646-EMCE (3623) Fax

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Abner V. Mariano
RCDD No. 211020R
EXPIRES 12-31-24

ABNER V. MARIANO
REGISTERED PROFESSIONAL ENGINEER
373
COMMONWEALTH OF NORTHERN MARIANA ISLANDS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION
DATE: 10/7/2022

Project:
NMC
PACKAGE 1: STUDENT CENTER BUILDING

Title:
TELECOMMUNICATIONS DETAILS - SHEET 2
CONSTRUCTION DOCUMENTS

Designed:	JF/LB
Drawn:	NP/RS
Checked:	IA/AM
Supv:	AM
Scale:	AS INDICATED
Date:	10/07/2022
Project No.	File

Drawing No.
T6.2
Sheet No. _____ of _____