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T3.2  
RECORD  
DRAWING

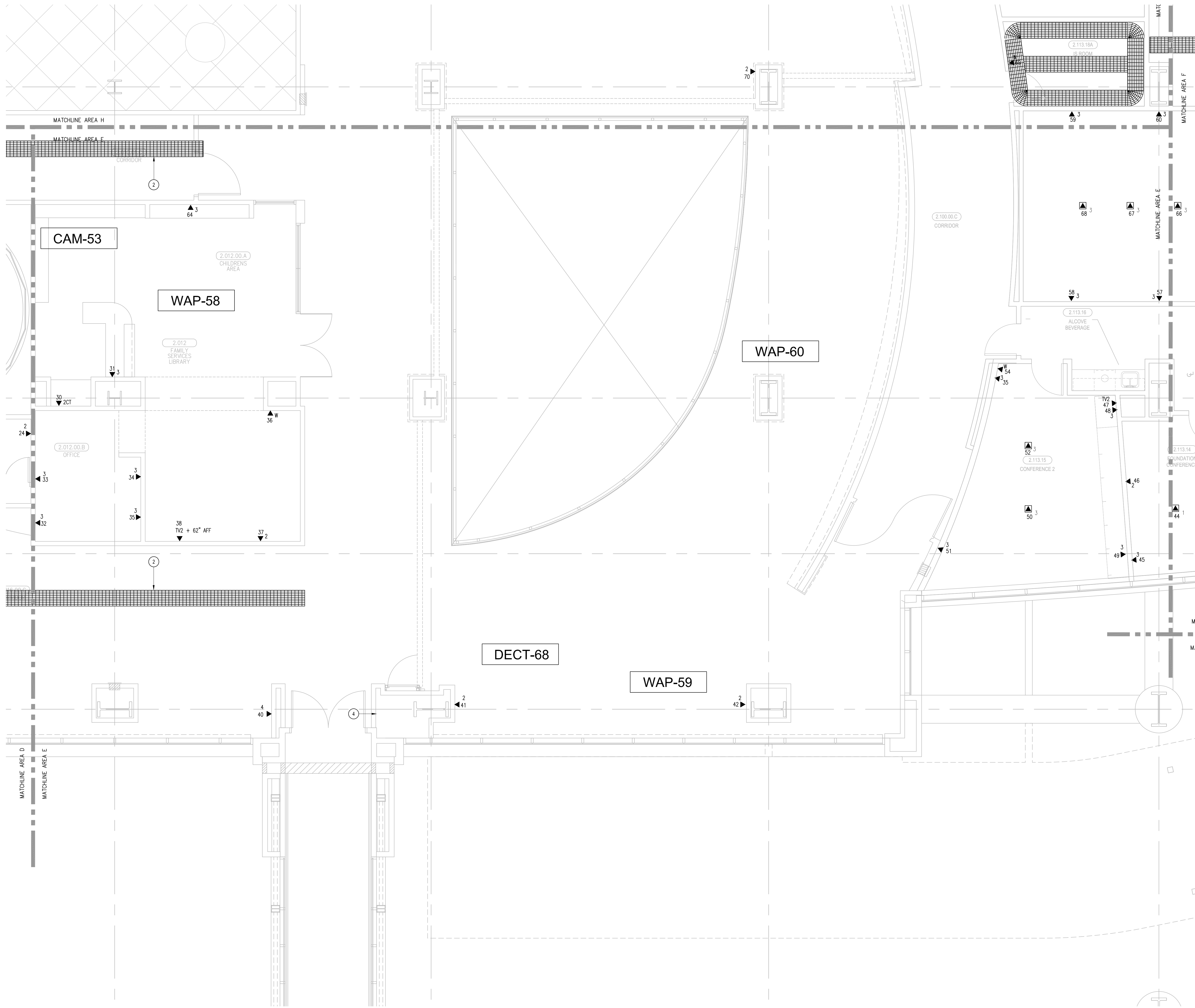
#C10-#85046  
650 OPPER ST.  
ESCONDIDO CA 92029  
(760) 746-1003  
FAX (760) 746-4619

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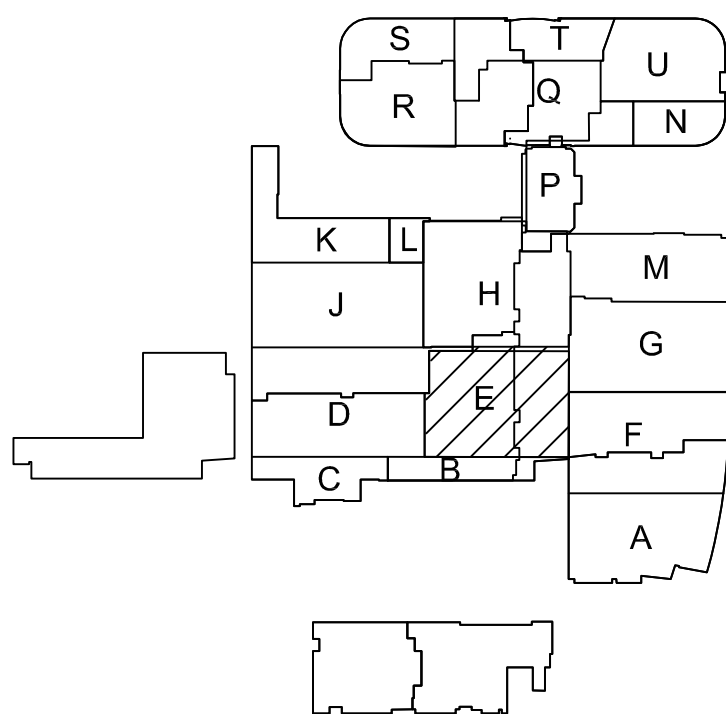
#### SHEET KEYNOTES

- 12"W X 6"H CABLE RUNWAY
- 24"W X 6"H CABLE RUNWAY
- 18"W X 6"H CABLE RUNWAY
- COORDINATE MOUNTING HEIGHTS WITH GRAPHICS PACKAGE REQUIREMENTS

#### GENERAL SHEET NOTES

- THE DRAWINGS ARE DIAGRAMMATIC ONLY AND MAY NOT SHOW ALL COMPONENTS, MATERIALS, OFFSETS, BENDS, ELBOWS AND OTHER SPECIFIC ELEMENTS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS NEEDED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
- ELECTRIC EQUIPMENT AND DEVICES (E.G. PBX, NETWORK SWITCHES) ARE SHOWN FOR REFERENCE ONLY.
- REFER TO ARCHITECTURAL DETAIL PLANS FOR FINAL PATIENT ROOM DEVICE LOCATIONS. REFER TO ARCHITECTURAL DETAILS FOR OVERCOUNTER WAO HEIGHTS. REFER TO ARCHITECTURAL DETAILS FOR WALL-MOUNT WAO HEIGHTS.
- HORIZONTAL DATA/VOICE/VIDEO CABLE SHALL TERMINATE IN THE TECHNOLOGY ROOM ON THE SAME FLOOR AS THE WORK AREA OUTLETS.
- WORK AREA OUTLETS SHALL CONSIST OF SINGLE PLASTER REDUCING RINGS INSTALLED ON OVERSIZE DOUBLE GANG BACKBOXES, UNLESS OTHERWISE NOTED.
- TV COAX CABLES SHALL BE COILED IN THE RESPECTIVE TECHNOLOGY ROOMS WITH A 2' SERVICE LOOP PRIOR TO TERMINATIONS. COILS SHALL BE SECURED TO THE AUDIOVISUAL WALL FIELD FOR AV CONTRACTOR.
- COMMON LOW VOLTAGE CABLE RUNWAY IS 24" W X 6" HIGH. PROVIDE ALL MATERIALS AS NEEDED FOR A COMPLETE, MANUFACTURER-APPROVED SYSTEM USING CABLE TRAY MANUFACTURERS' MATERIALS AND PARTS WHEN AVAILABLE FROM THE MANUFACTURER AND AS INTENDED. REFER TO DRAWING T4.01 FOR DETAILS. ALL CHANGES IN DIRECTION AND INTERSECTIONS SHALL USE PRE-MANUFACTURED OR FIELD-INSTALLED SWEEPS AND TEES. ALL SWEEPS AND TEES SHALL MAINTAIN A 1' FOOT MINIMUM RADIUS IN CHANGES OF DIRECTION.
- CABLE TRAY SHALL NOT PENETRATE WALLS. PROVIDE TRANSITION FROM CABLE TRAY TO LISTED FIRESTOP ASSEMBLIES IN ORDER TO PENETRATE FIRE/SMOKE WALLS. TRANSITION TO 4" CONDUITS/SLEEVES FOR NON-RATED WALLS. PROVIDE SUFFICIENT CONDUITS/SLEEVES TO ACCOMMODATE 100% VISUAL CABLE TRAY LOAD AT 50% VISUAL CONDUIT FILL.
- REFER TO ELECTRICAL DRAWINGS & SPECIFICATIONS FOR SHARED FLOOR BOXES & LOW VOLTAGE CONDUIT.
- PROVIDE BRACING TO MEET OSHPD SEISMIC REQUIREMENTS. REFER TO SHEET T4.02 FOR MORE INFORMATION.
- PROVIDE ALL OUTLET CONDUITS FROM WORK AREA OUTLETS, DEVICES OR PULL BOXES TO NEAREST CABLE TRAY.
- INSTALL CABLE TRAY @ 8' ABOVE CEILING.

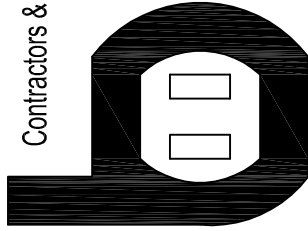
#### KEY PLAN



T3 LEVEL 2 - TELECOM PLAN - AREA E

1/4" = 1'-0"

Bergelectric Corp.  
Contractors & Engineers



HC10-485046  
650 OPPER ST.  
ESCONDIDO, CA 92029  
(760) 742-1033  
FAX (760) 742-4619

PROJECT: CHILDREN'S HOSPITAL  
OF ORANGE COUNTY - TOWER II

ADDRESS: 455 South Main Street  
Orange, CA 92868-3874

W.O. NO.: 12684

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DRAWN BY:  
J. RAMIREZ

DESIGN SUPERVISOR:

INSTALL SUPERVISOR:  
Scott Adams  
Tel Data Systems  
Bergelectric Corporation  
650 Opper Street  
Escondido, CA 92029

REVISIONS:  
05-30-12 RECORD DRAWINGS

SHEET TITLE:

TELECOM  
FLOOR PLAN  
LEVEL 2  
AREA-E

SCALE:  
1/4"=1'0"

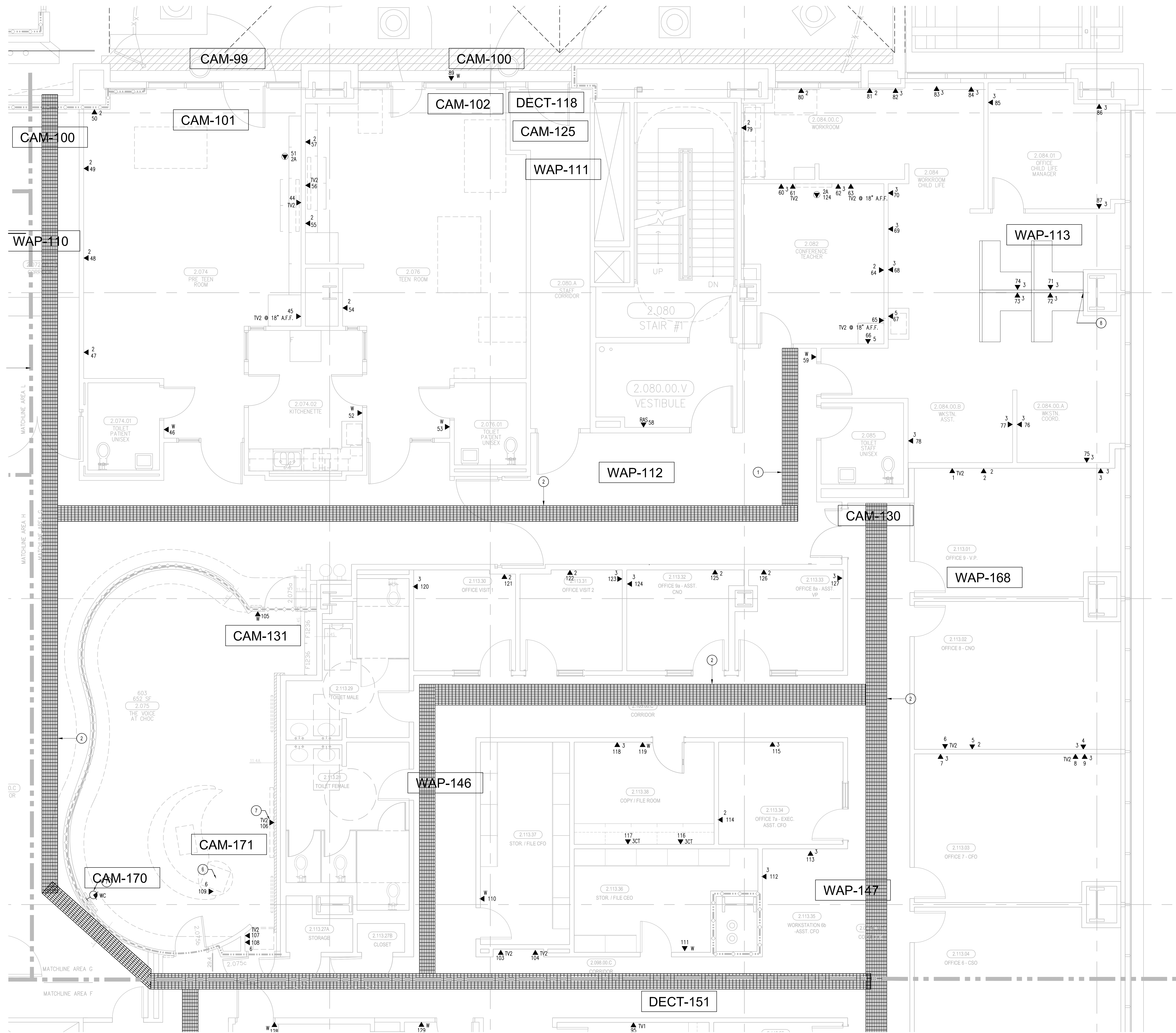
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DRAWING



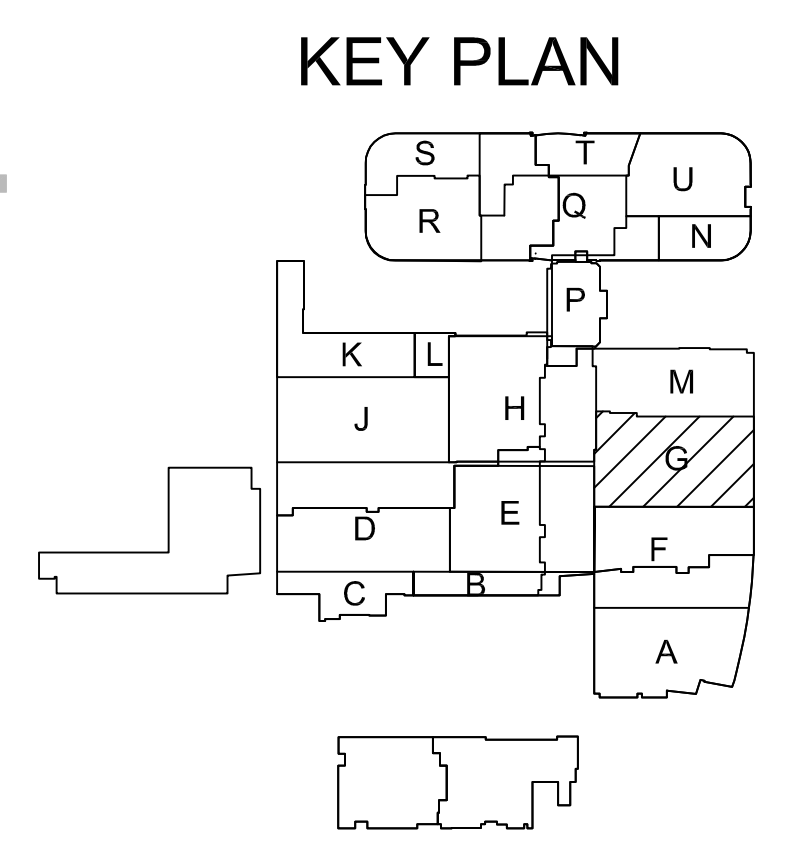
T3.2F  
RECORD  
DRAWING





- ### SHEET KEYNOTES
- 12" W X 6" H CABLE RUNWAY
  - 24" W X 6" H CABLE RUNWAY
  - 18" W X 6" H CABLE RUNWAY
  - MOUNT WAO IN DOUBLE-GANG BACKBOX; STUB ONE (1) 1" EMT TO ACCESSIBLE CEILING. COORDINATE CABLEING AND BACKBOX INSTALLATION WITH AUDIOVISUAL REQUIREMENTS AS DESCRIBED ON AV SHEET T3.2D. COORDINATE WITH DETAIL 3 ON AV SHEET T5.01 FOR MOUNTING HEIGHT.
  - MOUNT WAO IN DOUBLE-GANG BACKBOX; STUB ONE (1) 1" EMT TO ACCESSIBLE CEILING. COORDINATE CABLEING AND BACKBOX INSTALLATION WITH AUDIOVISUAL REQUIREMENTS AS DESCRIBED ON AV SHEET T3.2D. COORDINATE WITH DETAIL 2 ON AV SHEET T5.01 FOR MOUNTING HEIGHT.
  - PROVIDE 24-PORT, 1U FLAT PATCH PANEL. MOUNT WITHIN THE VIEW CABINET/RACK, PROVIDED BY OTHERS. PROVIDE 2" CONDUIT FROM CABINET/RACK TO CEILING FOR CABLES.
  - PROVIDE 4 HORIZONTAL COAX CABLES TERMINATED WITH F-TYPE CONNECTORS IN TYPICAL COMMUNICATIONS BACKBOX AND FACEPLATE. COORDINATE ELEVATION AND PLACEMENT WITH THE VIEW CABINET/RACK.
  - (1) 2" CONDUIT TERMINATED ON TO A 6"x6"x4" PULL BOX @ 12" AFF OC FOR SYSTEMS FURNITURE FEED.

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  - HORIZONTAL DATA/VOICE/VIDEO CABLE SHALL TERMINATE IN THE TECHNOLOGY ROOM ON THE SAME FLOOR AS THE WORK AREA OUTLETS.
  - WORK AREA OUTLETS SHALL CONSIST OF SINGLE PLASTER REDUCING RINGS INSTALLED ON OVERSIZE DOUBLE GANG BACKBOXES, UNLESS OTHERWISE NOTED.
  - WORK AREA OUTLET MOUNTED WITHIN EQUIPMENT RACK ENCLOSURE. FIELD COORDINATE EXACT LOCATION. CABLE VIA (1) 1/2" CONDUIT STUBBED TO NEAREST CABLE TRAY. COORDINATE CORE LOCATION WITH FIELD CONDITIONS. EQUIPMENT RACK AND ARCHITECT.
  - REFER TO THE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
  - CABLE TRAY SHALL NOT PENETRATE WALLS. PROVIDE TRANSITION FROM CABLE TRAY TO LISTED FIRESTOP ASSEMBLIES IN ORDER TO PENETRATE FIRE/SMOKE WALLS. TRANSITION TO 4" CONDUITS/SLEEVES FOR NON-WATERED WALLS. PROVIDE SUFFICIENT CONDUITS/SLEEVES TO ACCOMMODATE 100% VISUAL CABLE TRAY LOAD AT 50% VISUAL CONDUIT FILL.
  - REFER TO ELECTRICAL DRAWINGS & SPECIFICATIONS FOR SHARED FLOOR BOXES & LOW VOLTAGE CONDUIT.
  - PROVIDE BRACING TO MEET OSHPD SEISMIC REQUIREMENTS. REFER TO SHEET T4.02 FOR MORE INFORMATION.
  - PROVIDE ALL OUTLET CONDUITS FROM WORK AREA OUTLETS, DEVICES OR PULL BOXES TO NEAREST CABLE TRAY.
  - INSTALL CABLE TRAY @ 6" ABOVE CEILING.



**T3** LEVEL 2 - TELECOM PLAN - AREA G  
1/4" = 1'-0"

**Bergelectric Corp.**  
Contractors & Engineers

455 South Main Street  
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12684

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**DRAWN BY:**  
J. RAMIREZ

**DESIGN SUPERVISOR:**

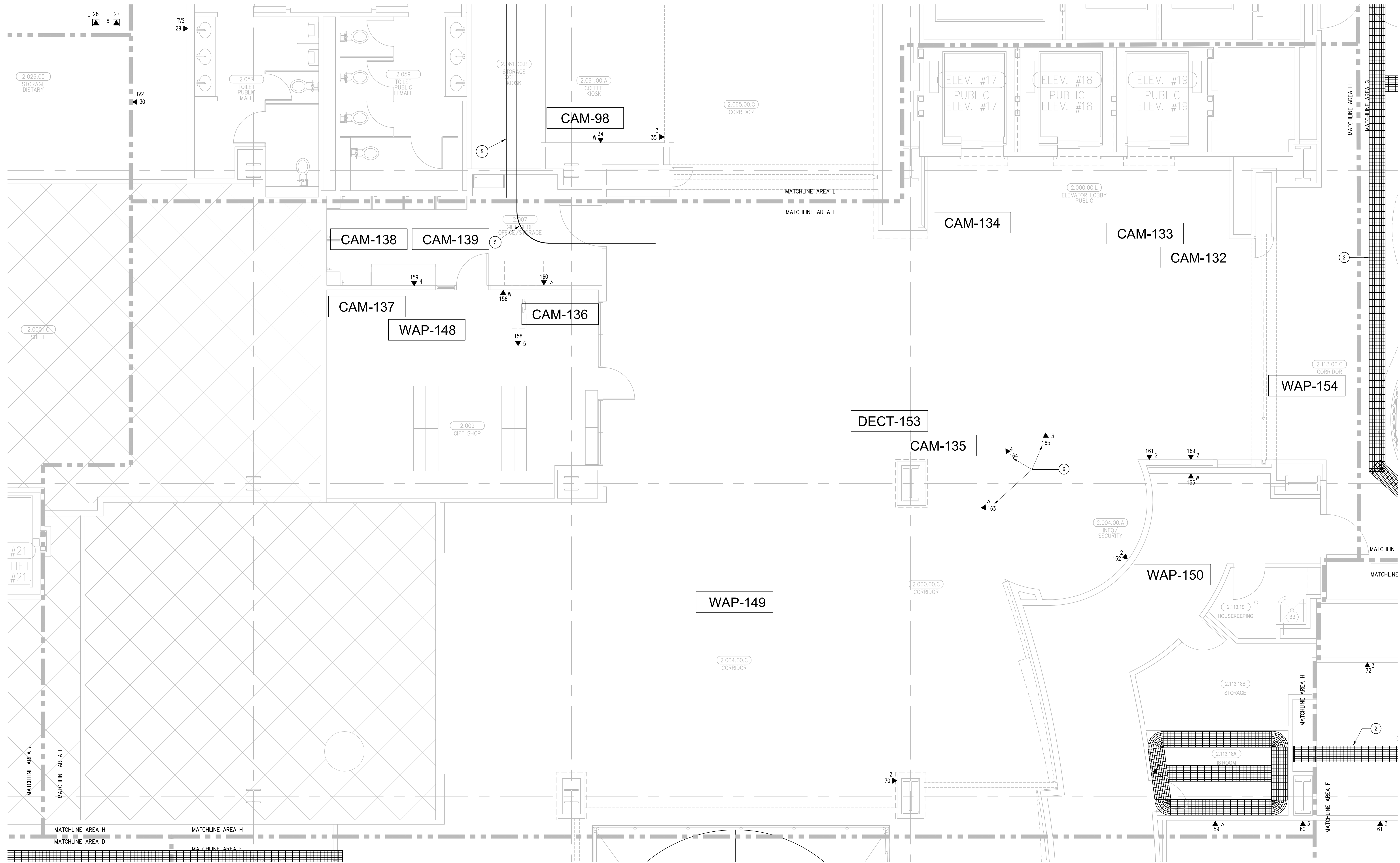
**INSTALL SUPERVISOR:**  
Scott Adams  
Tel Data Systems  
Bergelectric Corporation  
650 Upper Street  
Escondido, CA 92029

**REVISIONS:**  
05-30-12 RECORD DRAWINGS

**SHEET TITLE:**  
TELECOM  
FLOOR PLAN  
LEVEL 2  
AREA-G

**SCALE:**  
1/4" = 1'-0"

**DRAWING NO.:**  
**T3.2G**  
RECORD  
DRAWING



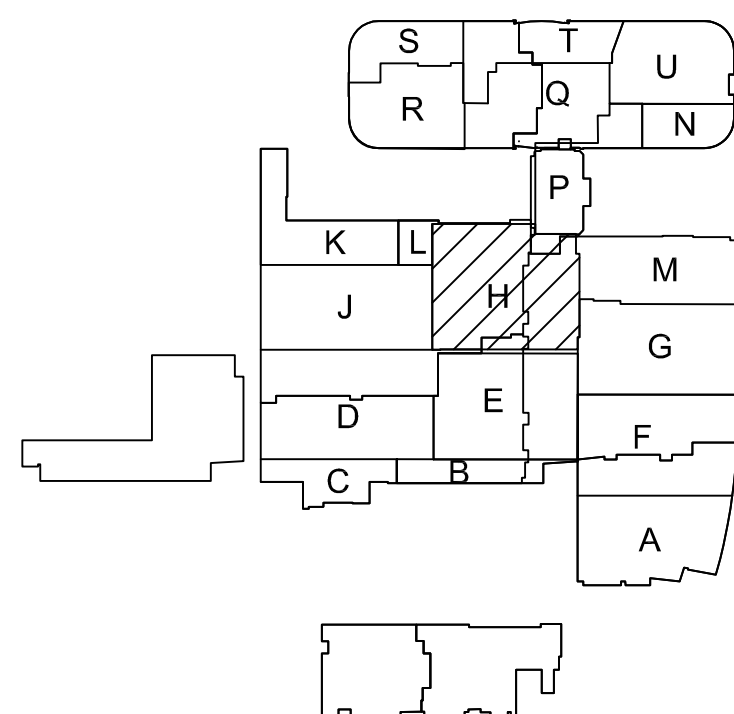
#### SHEET KEYNOTES

- 12" W X 8" H CABLE RUNWAY
- 24" W X 8" H CABLE RUNWAY
- 18" W X 8" H CABLE RUNWAY
- MOUNT WAO IN DOUBLE-GANG BACKBOX, STUD ONE (1) 1" EMT TO ACCESSIBLE CEILING. COORDINATE CABLING AND BACKBOX INSTALLATION WITH AUDIOVISUAL REQUIREMENTS AS DESCRIBED ON AV SHEET T4.3.2. COORDINATE WITH DETAIL 1 ON AV SHEET T4.5.02 FOR MOUNTING HEIGHT.
- ONE 4" CONDUIT
- OUTLETS ARE TO BE FED VIA WALL FROM ABOVE CEILING SPACE. PROVIDE TWO (2) 1-1/4" CONDUITS FROM CABLE RUNWAY TO MILLWORK. TERMINATE CONDUITS AT 24" A.F.F. AND EXTEND ONTO MILLWORK USING NON-METALLIC SURFACE RACEWAYS WITH MINIMUM OF 1"X1" INTERNAL AREA TO EACH OUTLET.

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- COMMON LOW VOLTAGE CABLE TRAY IS SIZED AS INDICATED ON THE DRAWINGS. PROVIDE ALL MATERIALS AS NEEDED FOR A COMPLETE, MANUFACTURER-APPROVED SYSTEM USING CABLE TRAY MANUFACTURERS' MATERIALS AND PARTS WHEN AVAILABLE FROM THE MANUFACTURER AND AS INTENDED. REFER TO DRAWING T4.01 FOR DETAILS. ALL CHANGES IN DIRECTION AND INTERSECTIONS SHALL USE PRE-MANUFACTURED OR FIELD-INSTALLED SWEEPS AND TEES. ALL SWEEPS AND TEES SHALL MAINTAIN A 1 FOOT MINIMUM RADIUS IN CHANGES OF DIRECTION.
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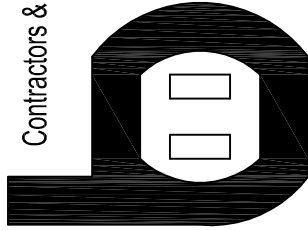
#### KEY PLAN



T3 LEVEL 2 - TELECOM PLAN - AREA H

1/4" = 1'-0"

Bergelectric Corp.  
Contractors & Engineers



AC 10-485046  
650 OPPER ST.  
ESCONDIDO, CA 92029  
(760) 742-1033  
FAX (760) 742-4619

PROJECT: CHILDREN'S HOSPITAL  
OF ORANGE COUNTY - TOWER II

ADDRESS: 455 South Main Street  
Orange, CA 92668-3874  
W.O. NO.: 12684

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DRAWN BY:  
J. RAMIREZ

DESIGN SUPERVISOR:

INSTALL SUPERVISOR:

Scott Adams  
Tel Data Systems  
Bergelectric Corporation  
650 Opper Street  
Escondido, CA 92029

REVISION:

05-30-12 RECORD DRAWINGS

SHEET TITLE:

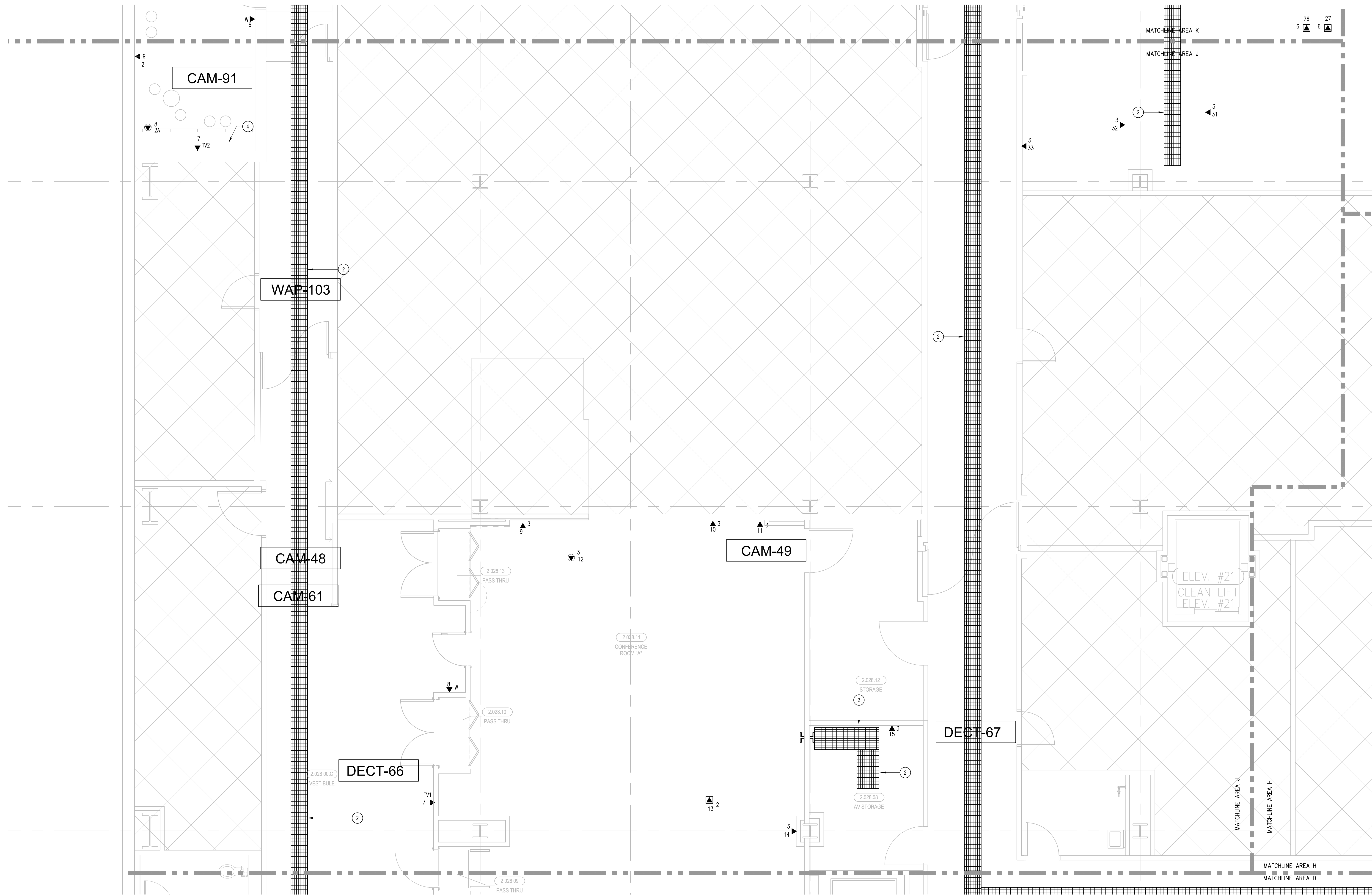
TELECOM  
FLOOR PLAN  
LEVEL 2  
AREA-H

SCALE:

1/4"=1'0"

DRAWING NO.:

T3.2H  
RECORD  
DRAWING



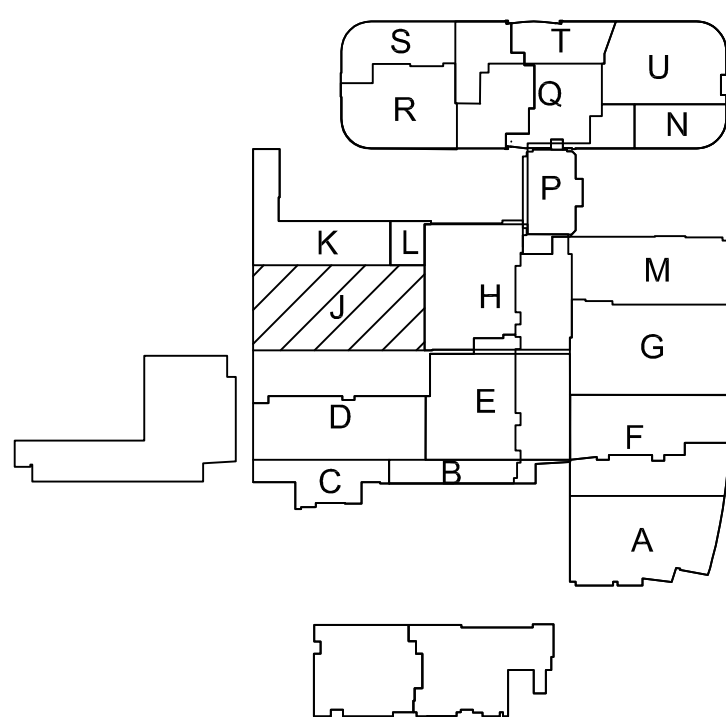
**SHEET KEYNOTES**

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- 18"W X 6"H CABLE RUNWAY
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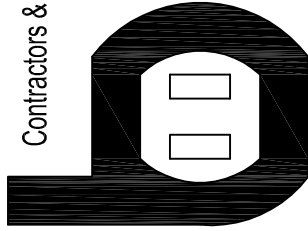
**KEY PLAN**



**T3** LEVEL 2 - TELECOM PLAN - AREA J

1/4" = 1'-0"

Bergelectric Corp.  
Contractors & Engineers



#C10-485048  
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**DRAWN BY:**  
J. RAMIREZ

**DESIGN SUPERVISOR:**

**INSTALL SUPERVISOR:**

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Tel Data Systems  
Bergelectric Corporation  
650 Upper Street  
Escondido, CA 92029

**REVISION:**

05-30-12 RECORD DRAWINGS

**SHEET TITLE:**

**TELECOM  
FLOOR PLAN  
LEVEL 2  
AREA-J**

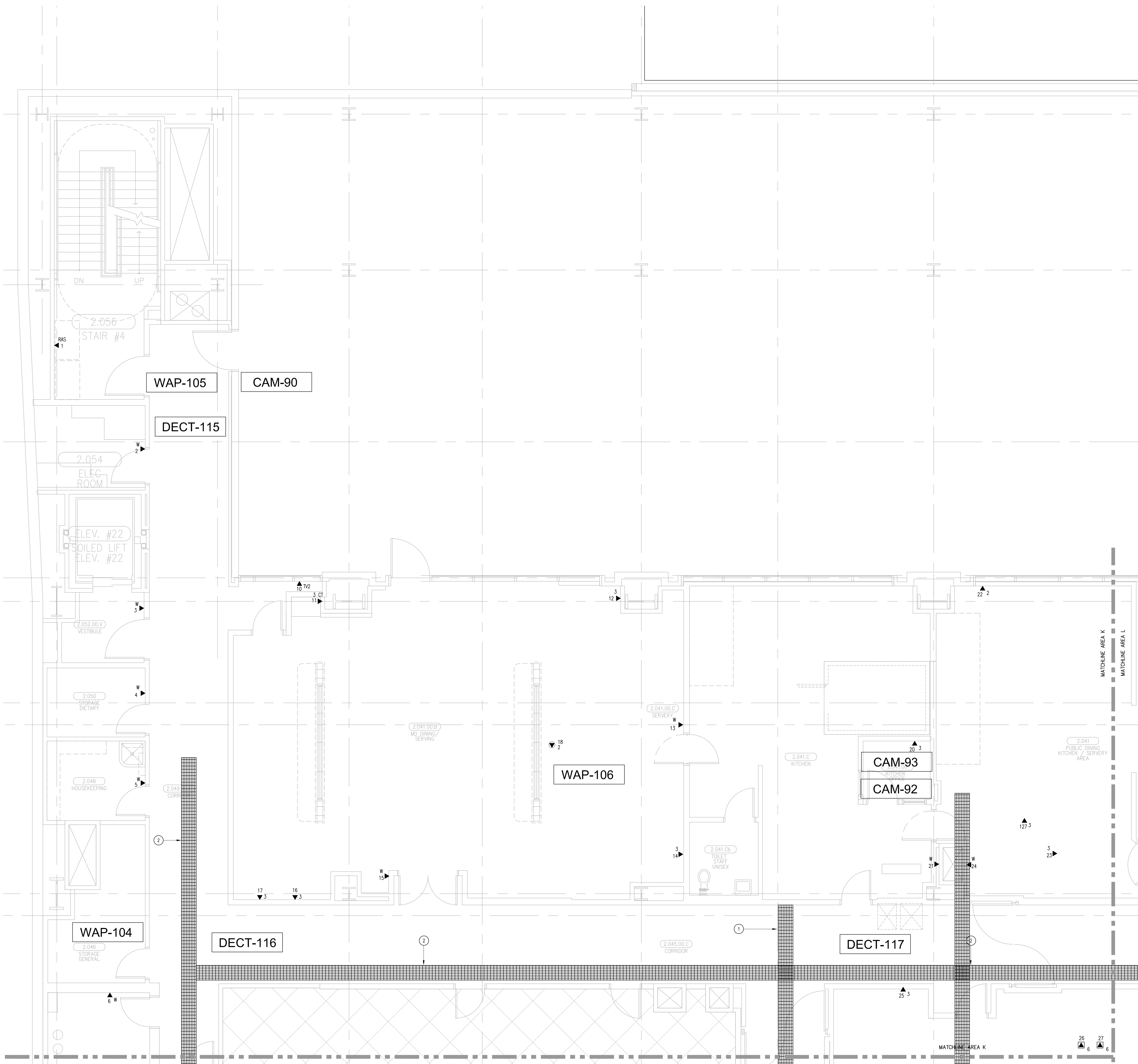
**SCALE:**

1/4"=1'0"

**DRAWING NO.:**

**T3.2J  
RECORD  
DRAWING**





**T3** LEVEL 2 - TELECOM PLAN - AREA K  
1/4" = 1'-0"

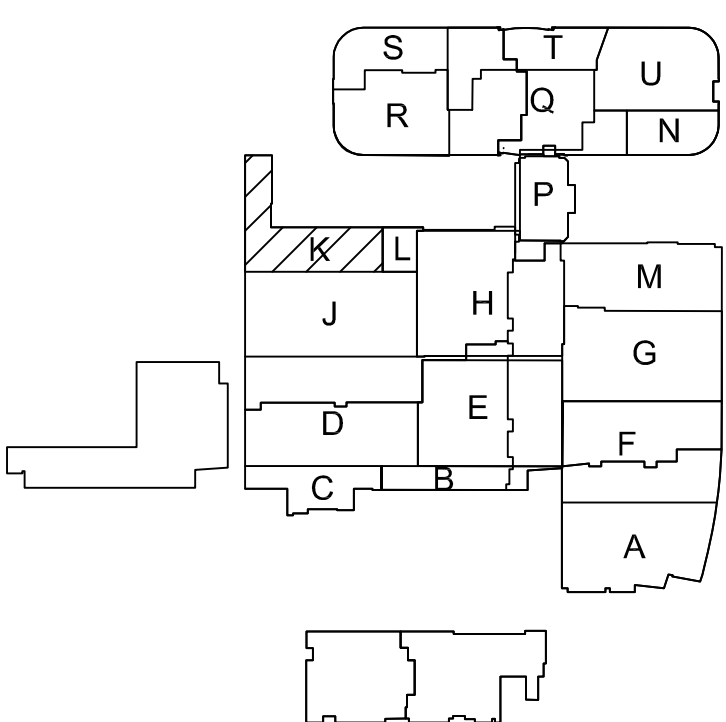
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- 18"W X 6"H CABLE RUNWAY
- MTG. HT PER WALL MTD. CHARTING STATION "PROXIMITY" TYPE

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- PROVIDE ALL OUTLET CONDUITS FROM WORK AREA OUTLETS, DEVICES OR PULL BOXES TO NEAREST CABLE TRAY.
- INSTALL CABLE TRAY @ 6" ABOVE CEILING.

**KEY PLAN**



**CHILDREN'S HOSPITAL  
OF ORANGE COUNTY - TOWER II**

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650 Upper Street  
Escondido, CA 92029

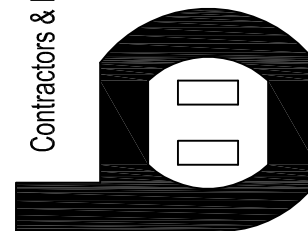
**REVISIONS:**  
05-30-12 RECORD DRAWINGS

**SHEET TITLE:**  
**TELECOM  
FLOOR PLAN  
LEVEL 2  
AREA-K**

**SCALE:**  
1/4"=1'0"

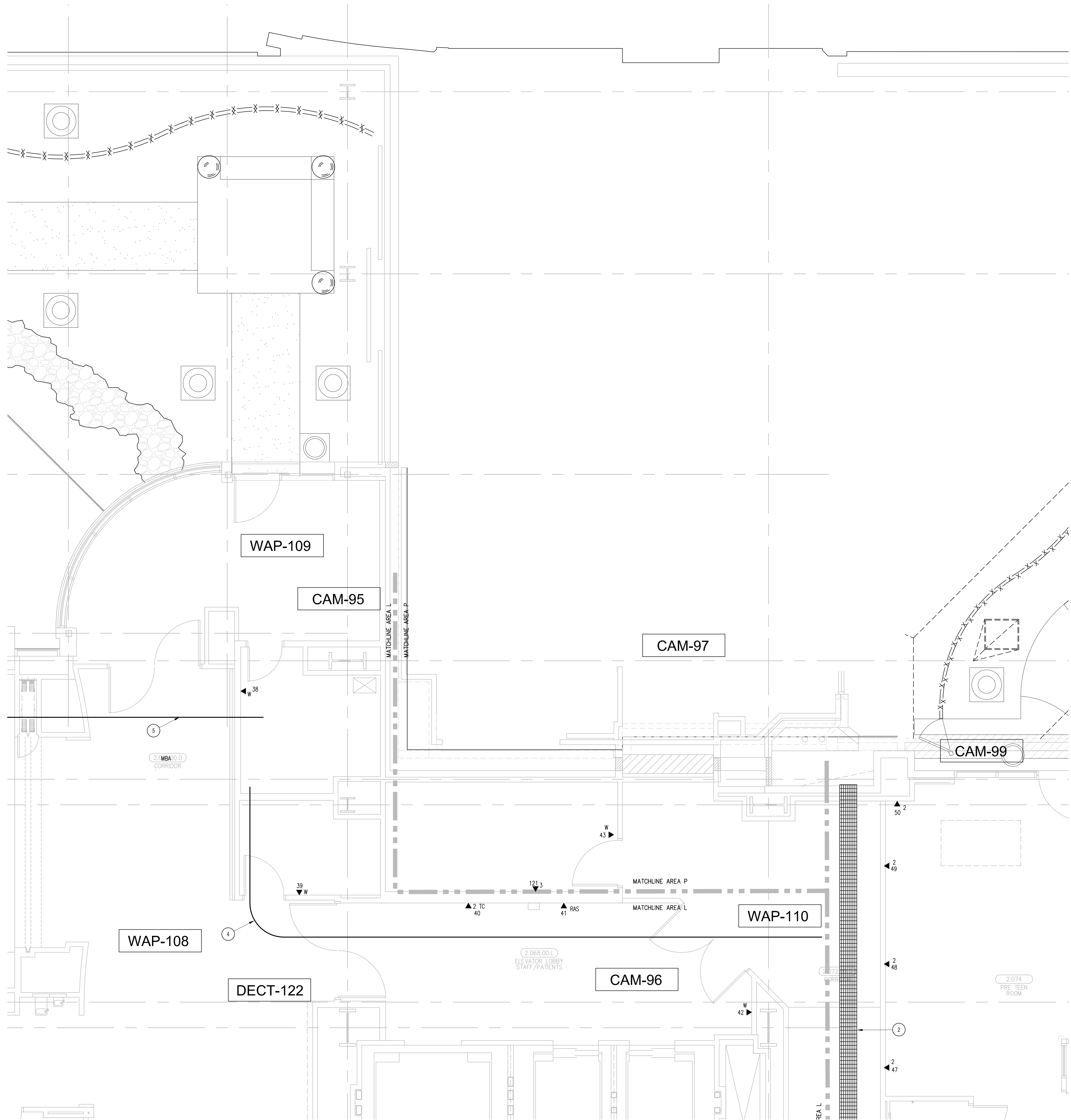
**DRAWING NO.:**  
**T3.2K  
RECORD  
DRAWING**

Bergelectric Corp.  
Contractors & Engineers



HC10-485046  
650 UPPER ST.  
ESCONDIDO, CA 92029  
(760) 742-1033  
FAX (760) 742-4619

T3.2L  
RECORD  
DRAWING



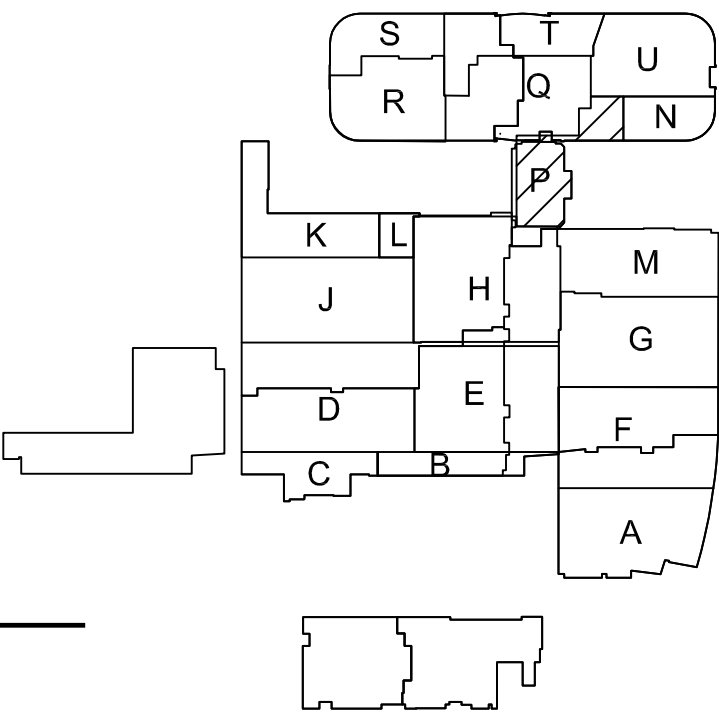
#### SHEET KEYNOTES

- 12\"/>

#### GENERAL SHEET NOTES

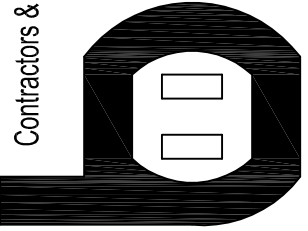
- THE DRAWINGS ARE DIAGRAMMATIC ONLY AND MAY NOT SHOW ALL COMPONENTS, MATERIALS, OFFSETS, BENDS, ELBOWS AND OTHER SPECIFIC ELEMENTS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS NEEDED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
- ELECTRIC EQUIPMENT AND DEVICES (E.G. P/BX, NETWORK SWITCHES) ARE SHOWN FOR REFERENCE ONLY.
- REFER TO ARCHITECTURAL DETAIL PLANS FOR FINAL PATIENT ROOM DEVICE LOCATIONS. REFER TO ARCHITECTURAL DETAILS FOR OVERCOUNTER WAO HEIGHTS. REFER TO ARCHITECTURAL DETAILS FOR WALL-MOUNT WAO HEIGHTS.
- HORIZONTAL DATA/VOICE/VIDEO CABLE SHALL TERMINATE IN THE TECHNOLOGY ROOM ON THE SAME FLOOR AS THE WORK AREA OUTLETS.
- WORK AREA OUTLETS SHALL CONSIST OF SINGLE PLASTER REDUCING RINGS INSTALLED ON OVERSIZE DOUBLE GANG BACKBOXES, UNLESS OTHERWISE NOTED.
- TV COAX CABLES SHALL BE COILED IN THE RESPECTIVE TECHNOLOGY ROOMS WITH A 20' SERVICE LOOP PRIOR TO TERMINATIONS. COILS SHALL BE SECURED TO THE AUDIOVISUAL WALL FIELD FOR AV CONTRACTOR.
- COMMON LOW VOLTAGE CABLE RUNWAY IS 24\"/>
- CABLE TRAY SHALL NOT PENETRATE WALLS. PROVIDE TRANSITION FROM CABLE TRAY TO LISTED FIRESTOP ASSEMBLIES IN ORDER TO PENETRATE FIRE/SMOKE WALLS. TRANSITION TO 4\"/>
- REFER TO ELECTRICAL DRAWINGS & SPECIFICATIONS FOR SHARED FLOOR BOXES & LOW VOLTAGE CONDUIT.
- PROVIDE BRACING TO MEET OSHPD SEISMIC REQUIREMENTS. REFER TO SHEET T4.02 FOR MORE INFORMATION.
- PROVIDE ALL OUTLET CONDUITS FROM WORK AREA OUTLETS, DEVICES OR PULL BOXES TO NEAREST CABLE TRAY.
- INSTALL CABLE TRAY @ 8\"/>

#### KEY PLAN



**T3** LEVEL 2 - TELECOM PLAN - AREA P  
1/4" = 1'-0"

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Contractors & Engineers



HC10-485046  
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ESCONDIDO, CA 92029  
(760) 742-1033  
FAX (760) 742-4619

**PROJECT:**  
**CHILDREN'S HOSPITAL  
OF ORANGE COUNTY - TOWER II**

**ADDRESS:**  
455 South Main Street  
Orange, CA 92668-3874

**W.O. NO.:**  
12684

**PROPRIETARY STATEMENT**  
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**DRAWN BY:**  
J. RAMIREZ

**DESIGN SUPERVISOR:**

**INSTALL SUPERVISOR:**

**Scott Adams**  
Tel Data Systems  
Bergelectric Corporation  
650 Oppen Street  
Escondido, CA 92029

**REVISION:**  
05-30-12 RECORD DRAWINGS

**SHEET TITLE:**

**TELECOM  
FLOOR PLAN  
LEVEL 2  
AREA-P**

**SCALE:**  
1/4"=1'0"

**DRAWING NO.:**

**T3.2P  
RECORD  
DRAWING**