

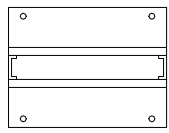




TELEDATA DEVICE LEGEND

SYMBOLS	DESCRIPTION	WIRING
	WIRELESS POINT ACCESS, CEILING MOUNT	(1) X CAT6 UTP WITH 20' SERVICE COIL
	J-HOOK LINE	..
	7H X 19"W 2-POST RACK	..
	COMBINATION VOICE/DATA OUTLET	CATEGORY 6 UTP; QTY AS NOTED
	COMBINATION VOICE/DATA FLOOR OUTLET	(2) CATEGORY 6 UTP. COORDINATE INSTALLATION WITH ELECTRICAL BACKBOX OR POKE-THRU

INSTALLATION NOTES

3. OBSERVE CODE SEPARATIONS FOR VARIOUS CLASSES OF WIRING.
2. CONFORM TO MANUFACTURER'S WIRING SPECIFICATIONS FOR OPTIMAL SYSTEM OPERATION.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. THE CONTRACTOR SHALL NOT INTERMIX ANY WIRES IN ANY CONDUIT.
4. ALL WIRES SHALL BE CONNECTED IN A UNIFORM MANNER. TRANSPOSING OR CHANGING OF COLOR CODES SHALL NOT BE PERMITTED.
5. CONDUITS SHALL NOT BE FILLED TO MORE THAN 40%. PROVIDE PULL STRINGS IN ALL CONDUITS FOR FUTURE USE.
6. CONDUITS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER CONDUITS SHALL BE SIZED AS REQUIRED TO COMPLY WITH CODE. MINIMUM ALLOWABLE CUTOFF SIZE SHALL BE 3/4".
7. ALL CONDUITS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO THE WALLS. IF MORE THAN TWO 90 DEGREE BENDS ARE TO BE USED IN THE CONDUIT RUN, INSERT A PULL BOX. CONTRACTOR SHALL SIZE THE BOX ACCORDINGLY.
8. ALL PULL AND JUNCTION BOXES SHALL BE PROVIDED WITH BLANK COVERS. OUTDOOR INSTALLED BOXES AND CONDUIT SHALL BE WEATHERPROOF TYPE.
9. ALL ELECTRICAL POWER SUPPLIED TO TEL/DATA EQUIPMENT SHALL BE ON THE EMERGENCY SYSTEM. ALL CONDUCTORS AND CIRCUIT BREAKERS SHALL BE SIZED IN ACCORDANCE WITH THEIR CONNECTED LOADS. ALL CIRCUITS SHALL BE DEDICATED.
10. ALL TEL/DATA EQUIPMENT POWER BRANCH CIRCUITS SHALL BE PROVIDED WITH LOCKABLE TYPE BREAKERS.
11. THE CONTRACTOR SHALL PROPERLY SEAL ALL CONDUIT OR SLEEVE PENETRATIONS THROUGH RATED WALLS, FLOORS AND CEILINGS USING APPROVED FIRESTOPPING MATERIALS AND SEALANTS.
12. THE CONTRACTOR SHALL CLEAN AND THOROUGHLY CHECK ALL INSTALLED WORK PRIOR TO CONCEALING OR FINISHING.
13. THE CONTRACTOR SHALL CLEAN OR REPAIR ALL SOILED OR PAINTED SURFACES OR DAMAGED ARCHITECTURAL FINISHES TO MATCH WITH THE ADJACENT AREA WHEN REQUIRED. PATCHING OR PAINTING SHALL BE DONE TO BRING THE AFFECTED SURFACE OR FINISH BACK TO ITS ORIGINAL CONDITION.
14. CONDUITS SHALL BE PROVIDED WITH SEISMIC JOINTS OR EXPANSION FITTINGS WHERE INSTALLED ACROSS ANY BUILDING EXPANSION JOINT.
15. WHERE CONCRETE FLOORS ARE TO BE CORED, X-RAY MACHINE SHALL BE USED TO INSURE THAT NO STRUCTURAL ELEMENTS (E.G. REBAR) WILL BE COMPROMISED OR DAMAGED.
16. ALL ROUTES OF CONDUITS ARE DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY EXACT ROUTING.
17. THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKSMANSHIP.
18. IT IS UNDERSTOOD THAT THE CONTRACTOR HAS READ AND UNDERSTOOD FULLY THE PLANS, SPECIFICATIONS, AND ALL RELATED DOCUMENTS ON THIS PROJECT, AND IS WELL FAMILIAR WITH THE SITE CONDITIONS.

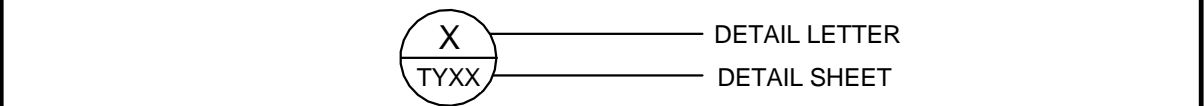
TELECOMMUNICATIONS NOTES

1. UNLESS OTHERWISE NOTED, PROVIDE A 4" SQUARE, 2-1/2" DEEP OUTLET BOX WITH SINGLE GANGLER PLASTER RING AND DEDICATED 1-1/4" EMPT Y CONDUIT TO NEAREST IDF, OR NEAREST CABLE TRAY AT ALL INACCESSIBLE CEILING SPACE LOCATIONS FOR EACH DATA OUTLET.
2. EACH WORKSTATION OR WALL JACK LOCATION SHALL CONSIST OF THREE CATEGORY 6 CABLE RUNS, THE CATEGORY 6 CABLE RUNS SHALL CONSIST OF 4 PAIR, 24 AWG, UTP, PLENUM RATED OR NON-PLENUM RATED CABLES.
3. THE INSTALLATION AND TERMINATION OF CATEGORY 6 CABLES SHALL COMPLY WITH 568A, IEEE, TSB, AND EIA/TIA SPECIFICATIONS.
4. LABELS SHALL BE COMPUTER-GENERATED AND PERMANENTLY ATTACHED TO THE APPARATUS (PATCH PANEL, FACEPLATE) AND CABLES. NUMBERING SCHEME SHALL CONFORM TO EXISTING BUILDING FORMAT AND IN THE CASE OF MULTIPLE IDF'S SHALL IDENTIFY THE FLOOR, IDF NUMBER AND CABLE NUMBER, SUCH AS 3A-568-24 FOR FLOOR NUMBER, IDF# AND DISIGNATION, 236-JACK NUMBER). PROVIDE A SAMPLE OF LABEL IDENTIFICATION FOR GOVERNMENT APPROVAL PRIOR TO LABEL INSTALLATION.
5. A SERVICE COIL OF 10 FEET SHALL BE NEATLY SECURED AND LABELED AT EVERY WORKSTATION LOCATION AND MDF OR IDF TERMINATION POINT (NORMALLY IN THE CEILING).
6. ALL CABLES ROUTED THROUGH THE CEILING INTERSTITIAL SHALL BE SUPPORTED WITH A DEDICATED MEANS OF SUPPORT. THE RECOMMENDED MEANS OF SUPPORT CONSISTS OF CABLE TRAYS OR LADDER RACKS IN THE MAIN ARTERIAL PATHS, AND SUSPENDED J-HOOK TYPE OF SUPPORT FOR THE BRANCH PATHS IN ACCESSIBLE CEILING SPACE.
7. CORE DRILL THROUGH FLOORS AND WALLS SHALL BE SLEEVED WITH EMT CONDUIT SECURED PER LOCAL BUILDING CODE. EACH END OF THE CONDUIT SHALL BE FITTED WITH PROPER FITTINGS AND PLASTIC BUSHINGS.
8. FILL CAPACITIES ON ALL CONDUITS SHALL NOT EXCEED 60%. THIS REQUIREMENT IS INCLUSIVE FOR CORE DRILLS, FIRE SLEEVES, AND IO WALL DROPS.
9. COMPLY AS APPLICABLE WITH DATA CENTER STANDARD TIA 942.
10. PROVIDE J-HOOKS FOR SUSPENDED CABLES EVERY 4-6 FEET. CABLE LADDERS OR TRAYS FOR DATA CENTERS SHALL IDENTIFY AND TELECOM CLOSE TO CABLES SHALL CLEAR HVAC, ELECTRICAL AND LIGHTING EQUIPMENT PER CODE. CABLE LADDERS SHALL HAVE 18" CLEARANCE MINIMUM FOR CABLE ACCESSIBILITY.

TELEDATA SHEET INDEX	
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SHEET NUMBER		SHEET NAME	
TN001		TELEDATA LEGEND AND NOTES	
TN201		TELEDATA GROUND FLOOR PLAN	
TN202		TELEDATA SECOND FLOOR PLAN	
TN301		DETAILS	

DETAIL BUBBLE REFERENCE



BID SUBMISSION
NOVEMBER 04, 2013

Office of
Construction
and Facilities
Management



CONSULTANTS:



GUIDEPOST SOLUTIONS
TECHNOLOGY DESIGN CONSULTING

550 South Hope, Suite 850
Los Angeles, CA 90071
Office: (213) 624-9000
Website: www.guidепostsolutions.com



ARCHITECT



POLYTECH ASSOCIATES INC.
235 Pine Street, 17th Floor
San Francisco, CA 94104
TEL (415) 397-3117
FAX (415) 397-1517

Drawing Title
TELEDATA LEGEND AND NOTES

Approved: Project Director

Project Title	MPD - EXPAND HOMELESS DOMICILIARY OUTPATIENT AND THERAPY PROGRAMS
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Location	795 WILLOW ROAD, MENLO PARK, CA
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Date
NOVEMBER 04, 2013

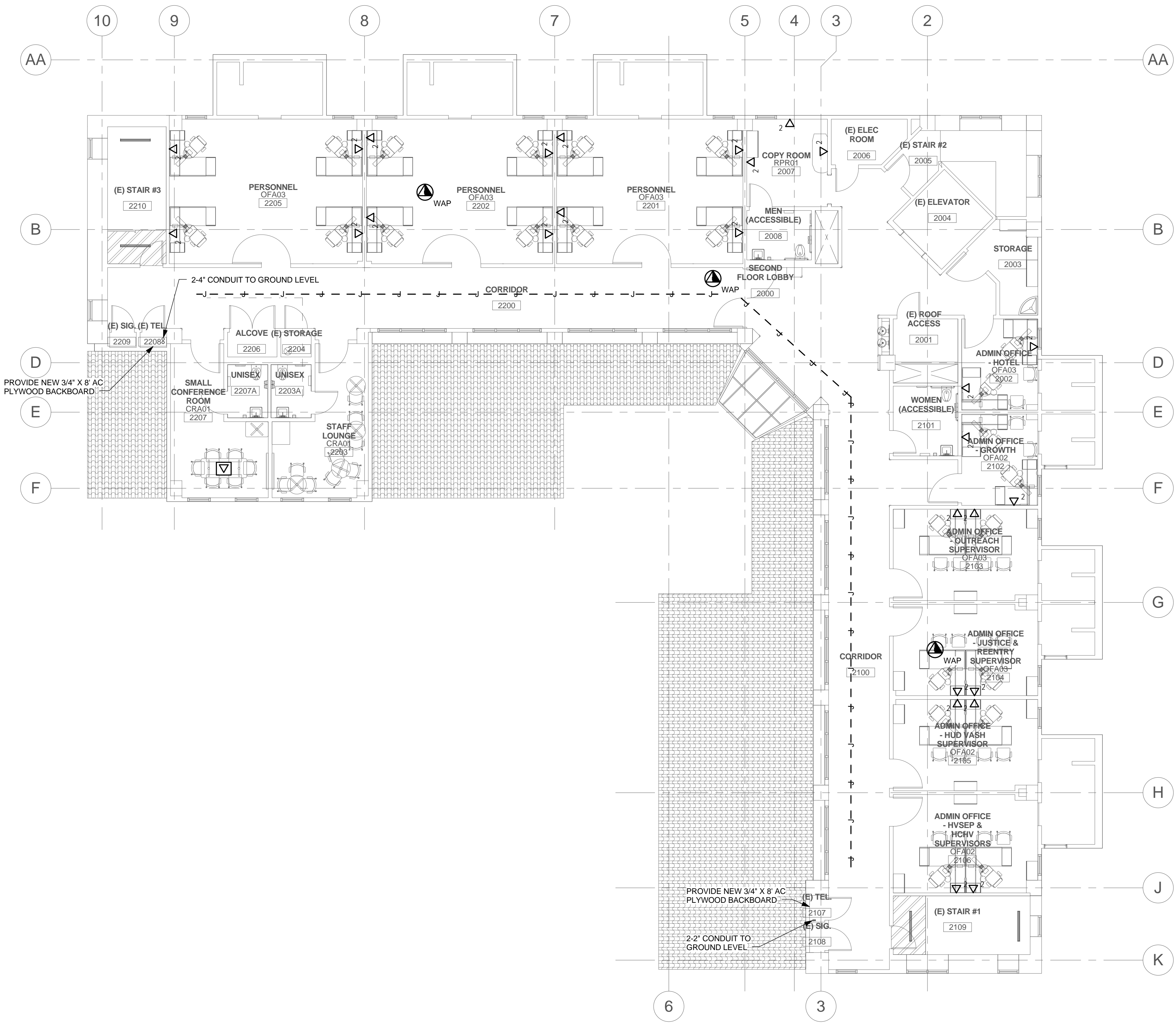
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K, CA	Drawing Number TN001
Drawn	

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Department of
Veterans Affairs


$$1/8'' = 1'-0''$$
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TECHNOLOGY DESIGN CONSULTING

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Los Angeles, CA 90071
Office: (213) 624-9000
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ARCHITECT



POLYTECH ASSOCIATES INC.
235 Pine Street, 17th Floor
San Francisco, CA 94104
TEL (415) 397-3117
FAX (415) 397-1517

Drawing Title	TELEDATA SECOND FLOOR PLAN
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Approved: Project Director

Project Title	MPD - EXPAND HOMELESS DOMICILIARY OUTPATIENT AND THERAPY PROGRAMS
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Location	795 WILLOW ROAD, MENLO PARK, CA
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Date NOVEMBER 04, 2013	Checked ES	Dra SC
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Project Number
640-382

Building Number
349

Drawing Number
TN120

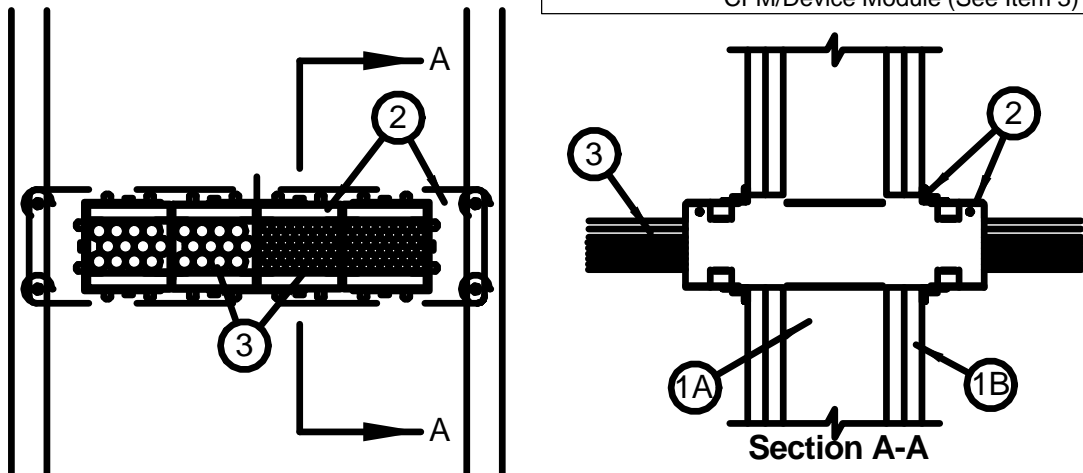
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NOVEMBER 04, 2013

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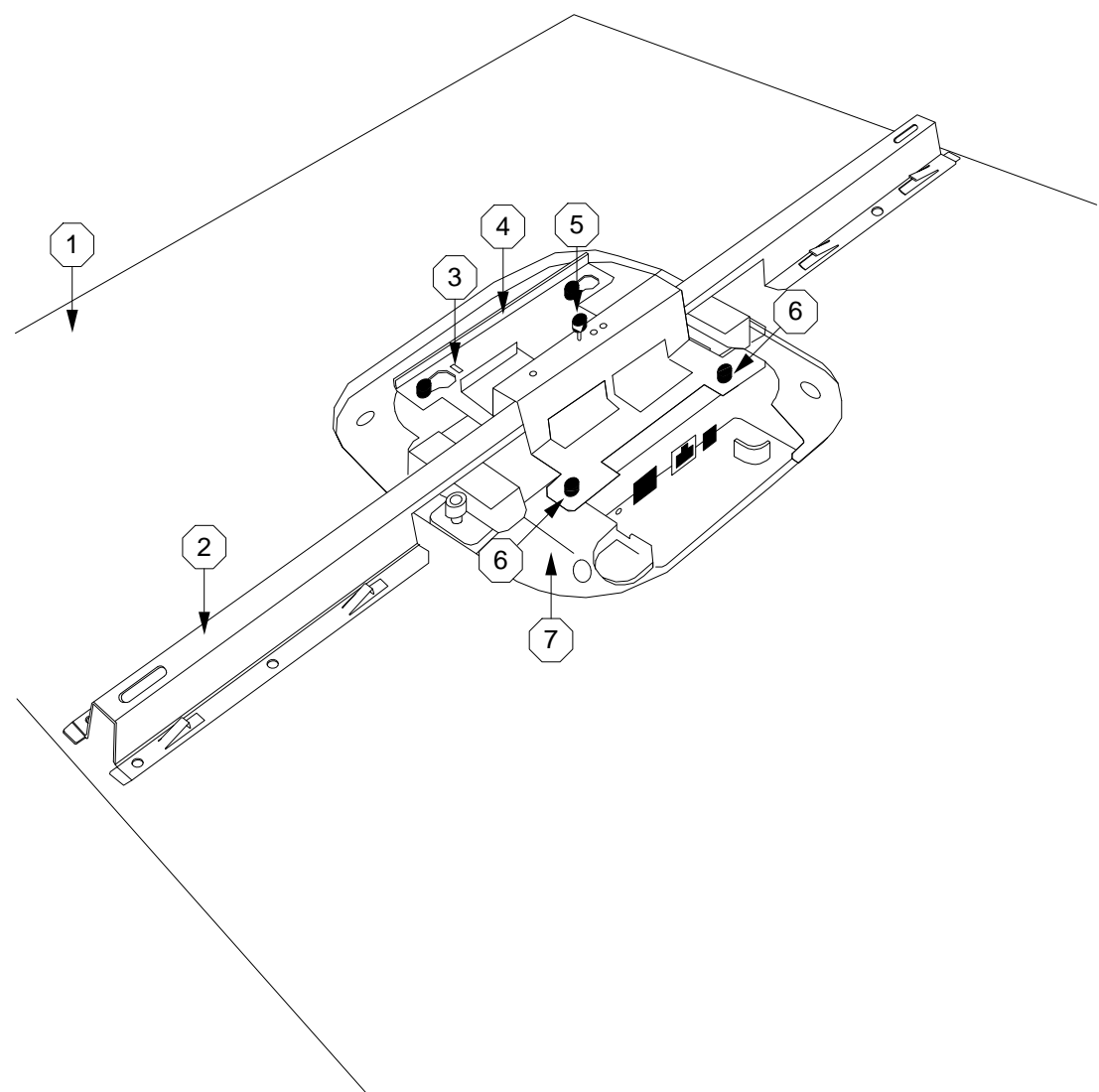


System No. W-L-3218	
ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1, 2, 3 and 4 Hr (See Items 1 and 3)	F Ratings - 1, 2, 3 and 4 Hr (See Items 1 and 3)
T Ratings - 3/4 and 1 Hr (See Item 3)	FT Ratings - 3/4 and 1 Hr (See Item 3)
L Rating At Ambient - Less Than 1, 1.3, 4 or 7 CFMDevice Module (See Item 3)	FH Ratings - 1, 2, 3 and 4 Hr (See Item 1 and 3)
L Rating At 400 F - Less Than 1, 2 or 3 CFMDevice Module (See Item 3)	FTH Ratings - 3/4 and 1 Hr (See Item 3)
	L Rating At Ambient - Less Than 1, 1.3, 4 or 7 CFMDevice Module (See Item 3)
	L Rating At 400 F - Less Than 1, 2 or 3 CFMDevice Module (See Item 3)

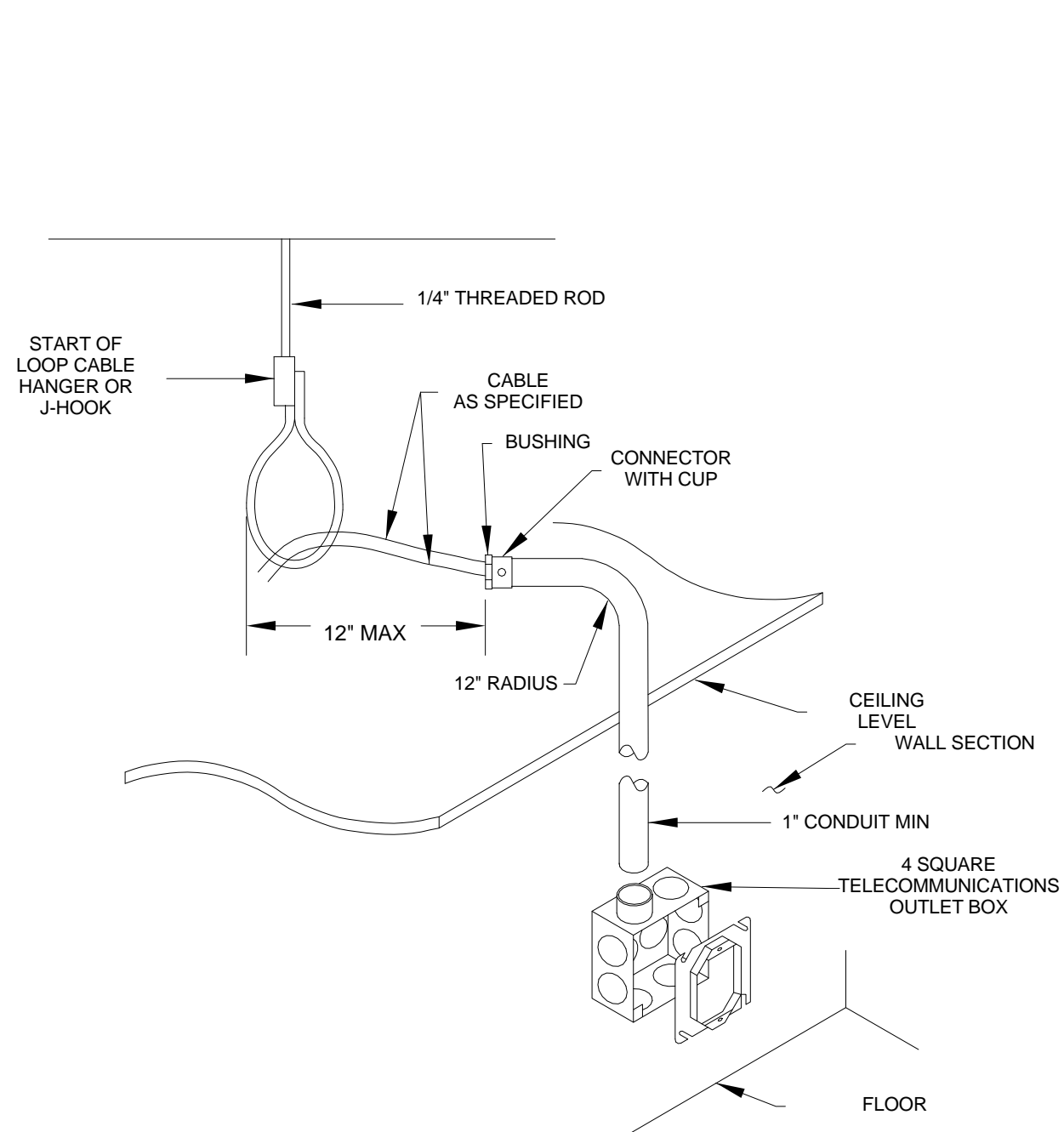


1. **Wall Assembly** - The 1, 2, 3 or 4 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
- A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
- B. **Gypsum Board** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Opening in gypsum board to be max 1/4 in. (6 mm) larger than width and height dimensions of firestop device(s).
- The hourly F Rating of the firestop system is dependent upon the hourly rating of the wall in which it is installed.**
2. **Firestop Device** - One, two, three, four or seven firestop device modules ganged together. Each firestop device module consists of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. The space between the firestop device module(s) and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 1/8 in. (3.2 mm). In round openings, the space between the firestop device and the periphery of the opening shall be min 0 in. (point contact) to max 1/2 in. (13 mm). Firestop device module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws provided with device. Each four- and seven-gang steel wall plate shall be fastened to the studs with steel screws sized to extend through the gypsum board layers and penetrate 1/2 in. (13 mm) into the framing member. Each firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. As an alternate, the four- and seven-gang steel wall plates may be installed directly against the studs for walls having 16 and 24 in. (406 and 610 mm) center-to-center stud spacing, respectively, prior to installation of the gypsum board layers. The steel wall plates shall be secured to the stud by means of steel screws. After installation of the steel wall plates and firestop device modules, the gypsum board shall be installed as specified in the individual U300 or U400 Design with a maximum 1/8 in. (3.2 mm) gap between the firestop device module and the cutout in the gypsum board. Gap between the firestop device module and the cutout in the gypsum board may be filled with gypsum joint compound or fill material (Item 4).
- SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 Fire Rated Pathway**
- 2A. **Firestop Device - Extension Module** - (Optional, Not Shown) - Module attached to ends of 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long firestop device (Item 3) to increase its length to facilitate installation in thicker walls. Each module consists of a 3 by 3 by 6 in. (76 by 76 by 152 mm) long galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.
- SPECIFIED TECHNOLOGIES INC - EZ PATH Extension**
3. **Cables** - Within the loading area for each firestop device module, the cables may represent a 0 to 100 percent visual fill. Cable fill to be distributed at a uniform height across the width of the firestop device module. Cables to be rigidly supported on both sides of the wall assembly.
- A. Any combination of the following types of cables may be used:
- A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) jacketing and insulation.
- B. Max 350 kcmil single copper conductor power cable with XLPE jacket and insulation.
- C. Max 3/4 No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
- D. Max 3/4 No. 10 AWG metal clad or armored cable with steel or aluminum jacket.
- E. Max 3/4 No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
- F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
- G. Max RG/U coaxial cable with fluorinated ethylene insulation and jacketing.
- H. Fiber optic cable with PVC or polyethylene (PE) jacket and insulation having a max diam of 5/8 in. (16 mm).
- I. **Optical Fiber Raceway** - Max 1-1/2 in. (38 mm) diam (or smaller) optical fiber raceway ("innerduct") formed of either PVC or polyvinylidene fluoride (PVDF) with optical fiber cable fill. Raceways installed in accordance with the National Electrical Code (NFPA 70).
- When the hourly rating of the wall assembly is 1 hr, the T Rating is 3/4 hr. When the hourly fire rating of the wall assembly is greater than 1 hr, the T Rating is 3/4 hr when Item 3A, 3B, 3C, 3D or 3E is used, the maximum F Rating is 2 hr. When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G, 3H or 3I is used, the maximum F Rating is 4 hr.**
- The L Rating for each empty firestop device module is less than 1 cfm at ambient and at 400F. When Item 3A is used, the L Rating for each firestop device module with 100 percent visual fill is 4 cfm at ambient and 3 cfm at 400F. When Item 3F is used, the L Rating for each firestop device module with 100 percent visual fill is 1.3 cfm at ambient and 1 cfm at 400F. When Item 3G or 3H is used, the L Rating for each firestop device module with 100 percent visual fill is 7 cfm at ambient and 2 cfm at 400F.**
4. **Fill, Void or Cavity Material** - Sealant or Putty - (Not Shown) - As an alternate to gypsum joint compound, the gap between the firestop device module and the cutout in the gypsum board may be sealed with fill material on each side of the wall assembly when four- and seven-gang steel wall plates are installed directly against the wood or steel studs.
- SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant, SpecSeal Putty**
- *Bearing the UL Classification Mark

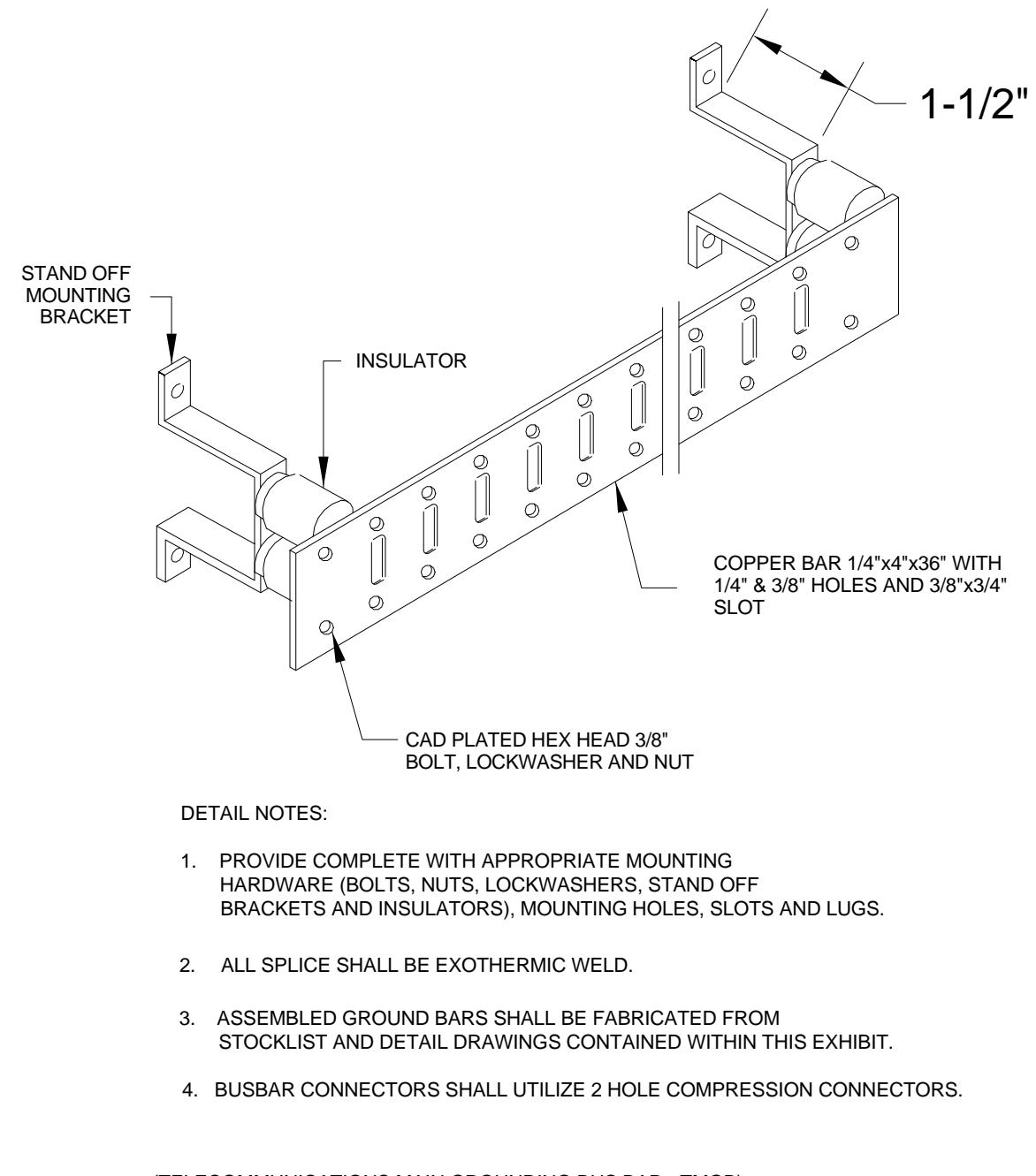
EZ PATH



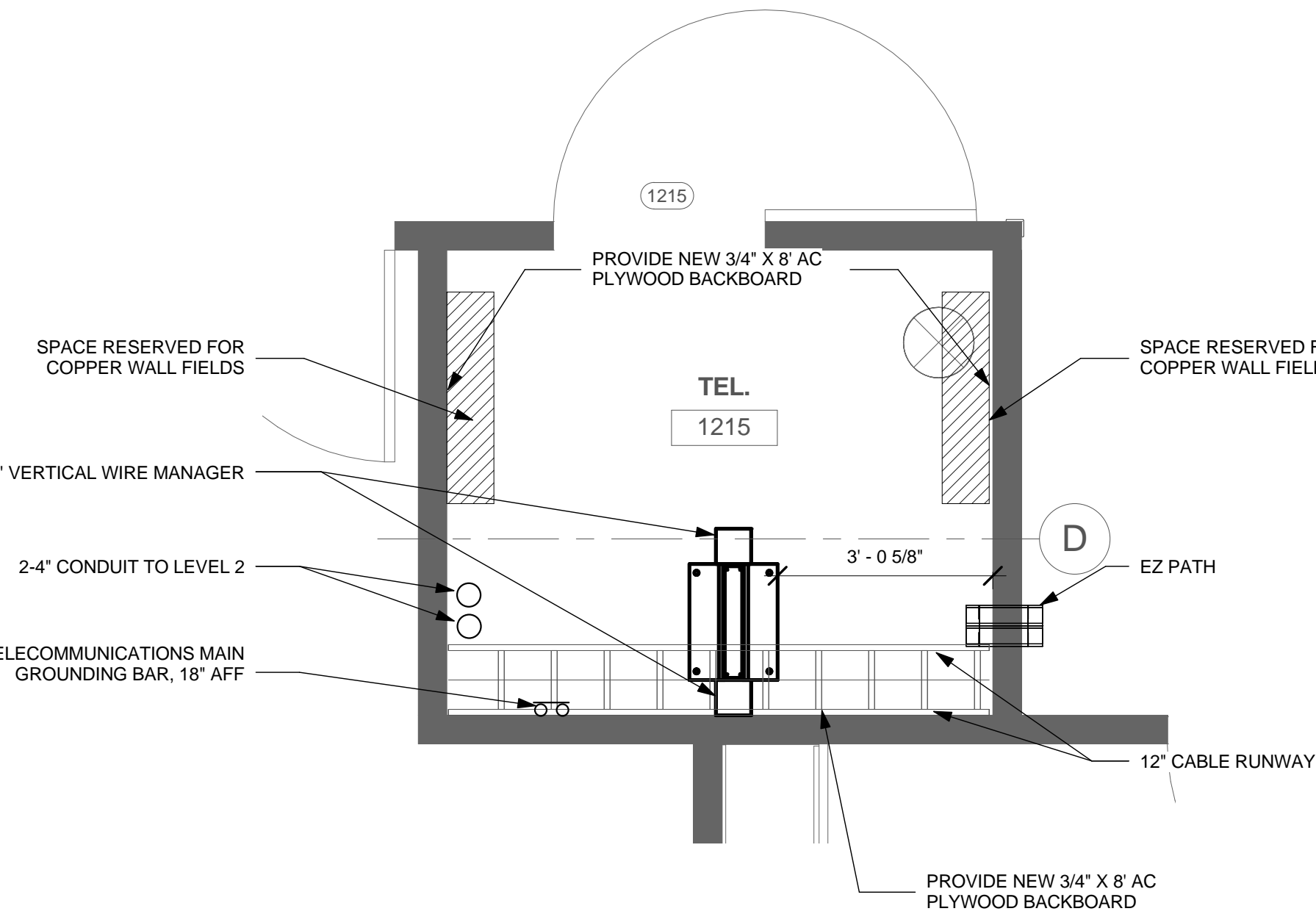
TYPICAL WIRELESS ACCESS POINT MOUNT BRACKET



TYPICAL TELECOMMUNICATIONS BACKBOX



TELECOMMUNICATIONS MAIN GROUNDING BUS BAR



ROOM 1215 - ENLARGED PLAN

<div>Revisions:</div> <div>Date</div>		<div>CONSULTANTS:</div> <div><div><div></div><div>GUIDEPOST SOLUTIONS</div><div>TECHNOLOGY DESIGN CONSULTING</div></div><div>550 South Hope, Suite 850 Los Angeles, CA 90071 Office: (213) 624-9000 Website: www.guidepostsolutions.com</div></div>		<div><div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>E20334</div><div>STATE OF CALIFORNIA</div><div>DEPARTMENT OF CONSTRUCTION</div></div></div>		<div>ARCHITECT</div> <div><div><div>POLYTECH ASSOCIATES INC</div><div>POLYTECH ASSOCIATES INC.</div><div>235 Pine Street, 17th Floor San Francisco, CA 94104 TEL (415) 397-3117 FAX (415) 397-1517</div></div></div>		<div>Drawing Title</div> <div>DETAILS</div> <div>Approved: Project Director</div>		<div>Project Title</div> <div>MPD - EXPAND HOMELESS DOMICILIARY OUTPATIENT AND THERAPY PROGRAMS</div> <div>Location</div> <div>795 WILLOW ROAD, MENLO PARK, CA</div> <div>Date</div> <div>NOVEMBER 04, 2013</div> <div>Checked</div> <div>ES</div> <div>Drawn</div> <div>SO</div>		<div>Project Number</div> <div>640-382</div> <div>Building Number</div> <div>349</div> <div>Drawing Number</div> <div>TN301</div> <div>Dwg. of</div> <div></div>		<div>BID SUBMISSION</div> <div>NOVEMBER 04, 2013</div> <div>Office of Construction and Facilities Management</div> <div><div></div><div>Department of Veterans Affairs</div></div>	
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