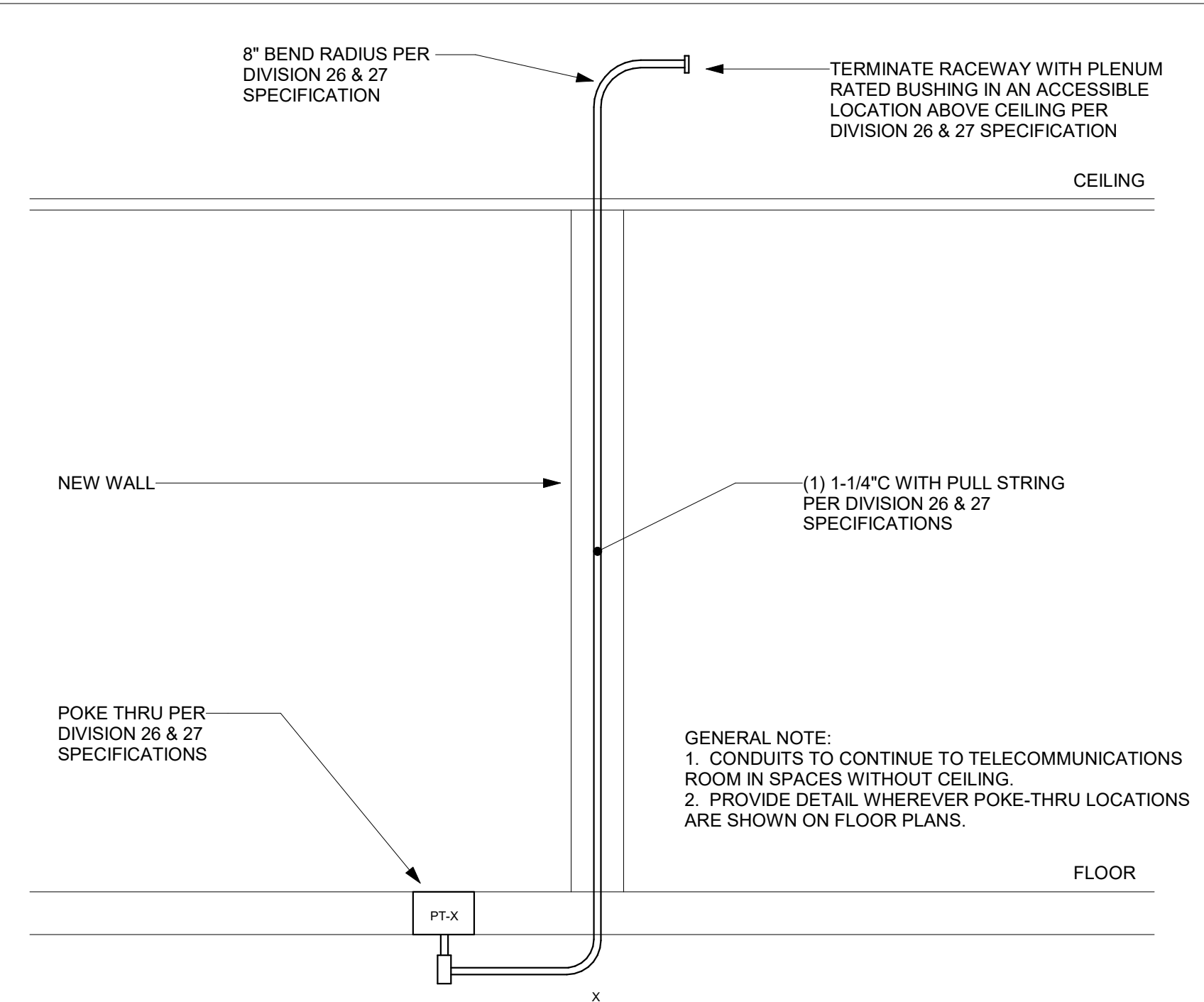
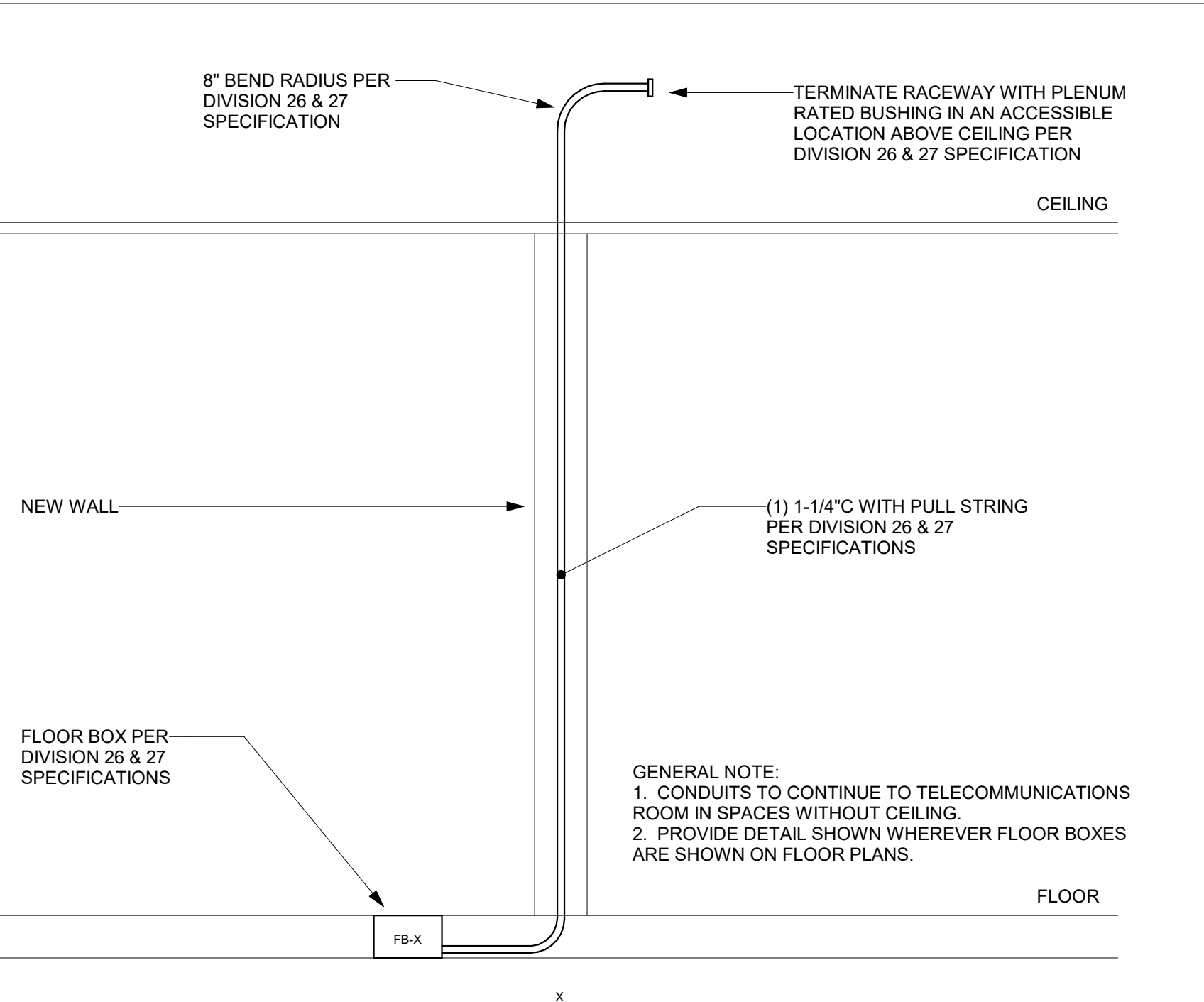


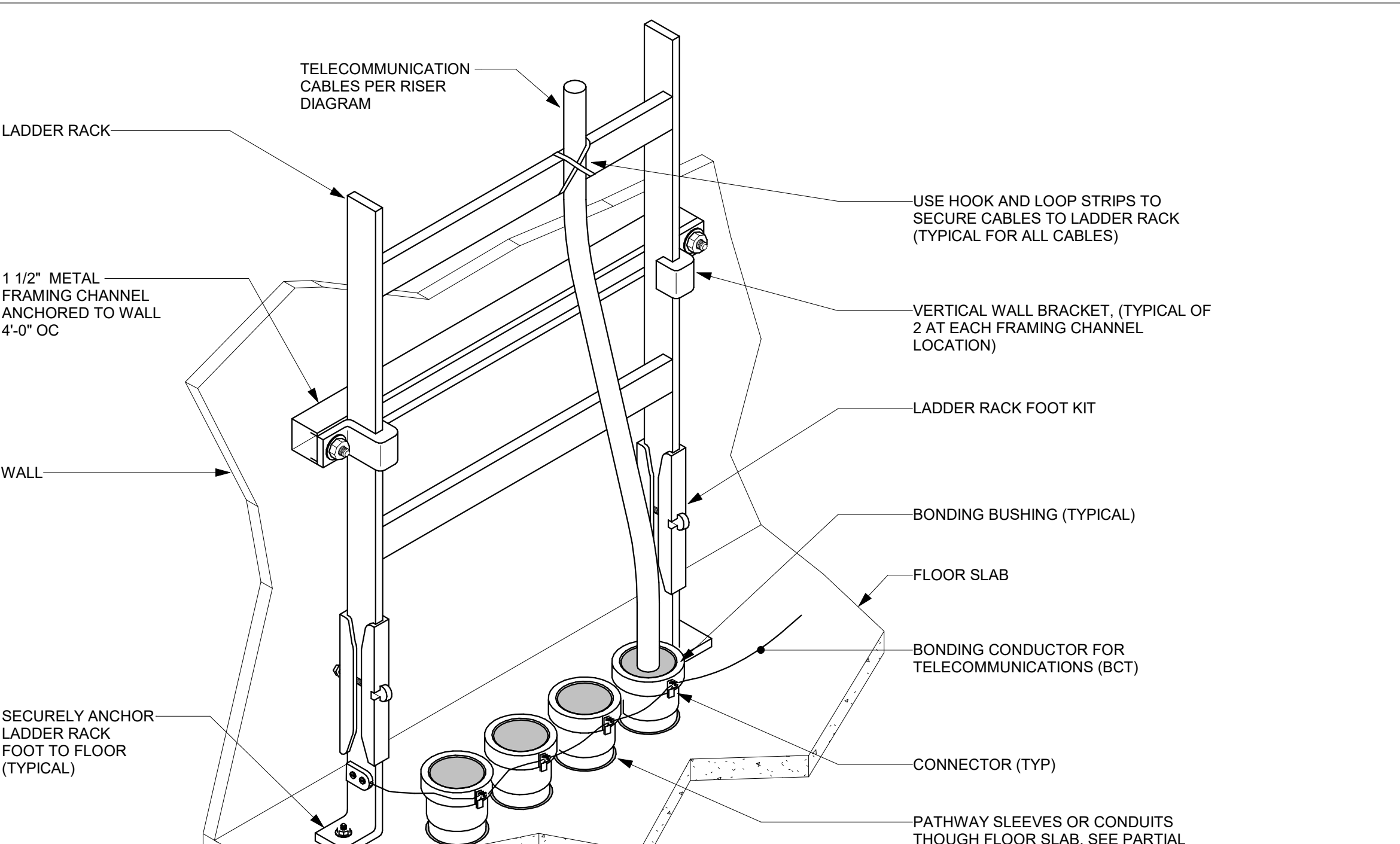
1 VOICE / DATA / AUDIO / VIDEO RECESSED OUTLET DETAIL  
N.T.S.



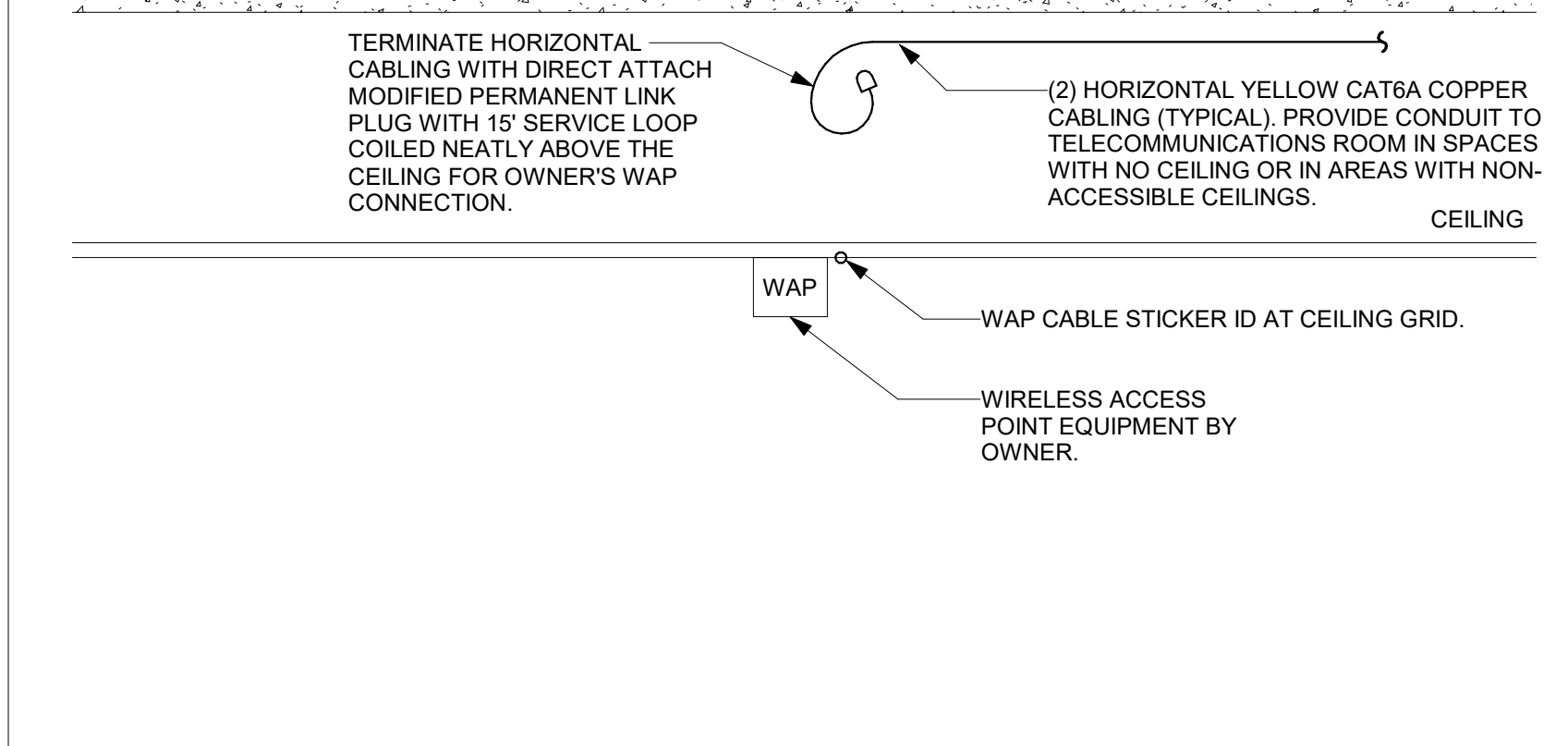
2 VOICE / DATA / AUDIO / VIDEO POKE THRU OUTLET DETAIL  
N.T.S.



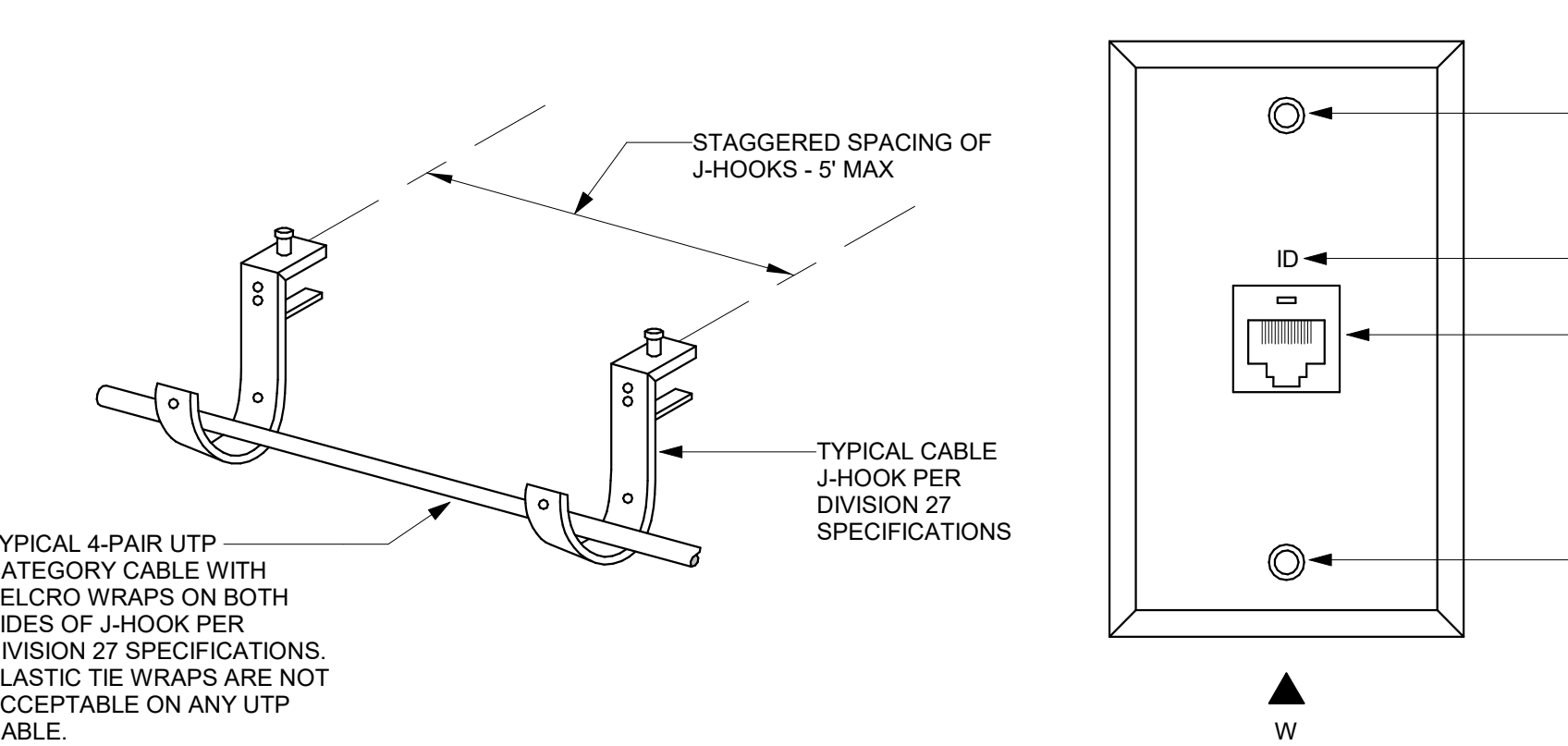
3 VOICE / DATA / AUDIO / VIDEO FLOOR BOX OUTLET DETAIL  
N.T.S.



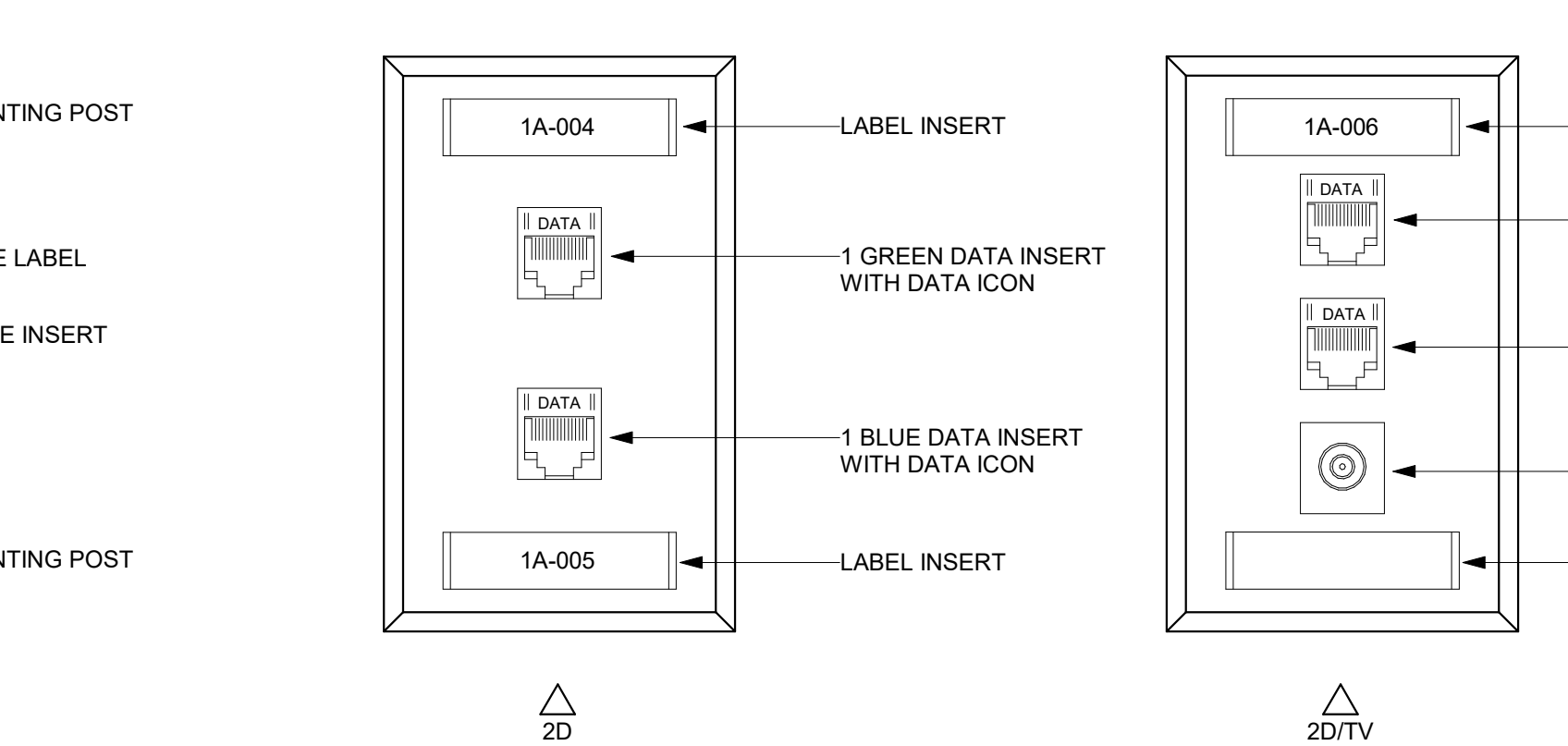
4 VERTICAL LADDER RACK INSTALLATION DETAIL  
N.T.S.



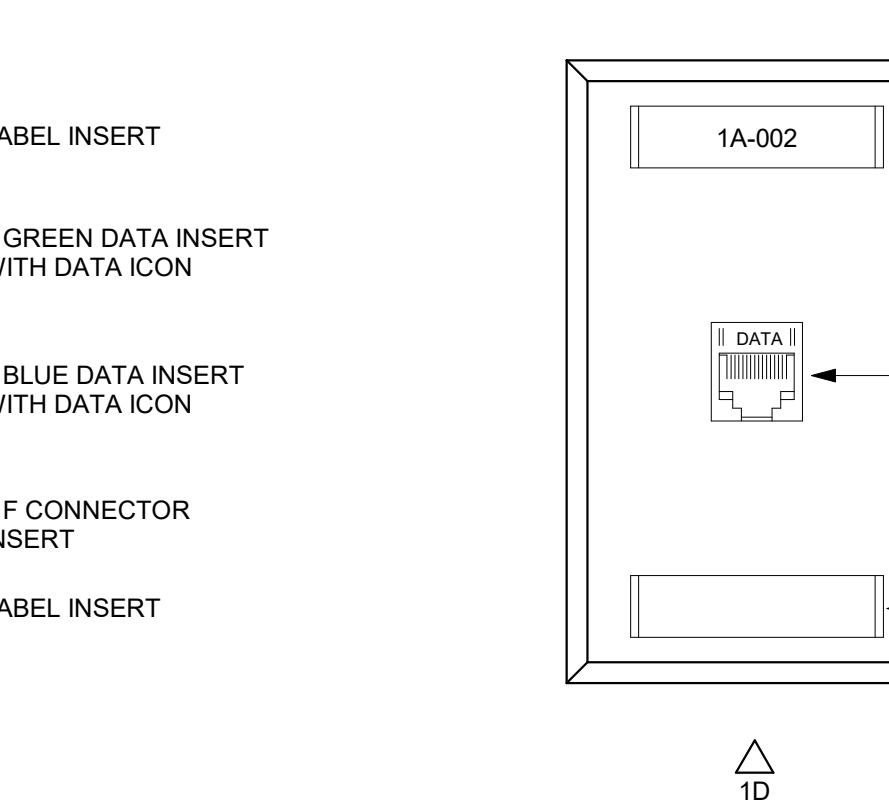
5 WIRELESS ACCESS POINT DETAIL  
N.T.S.



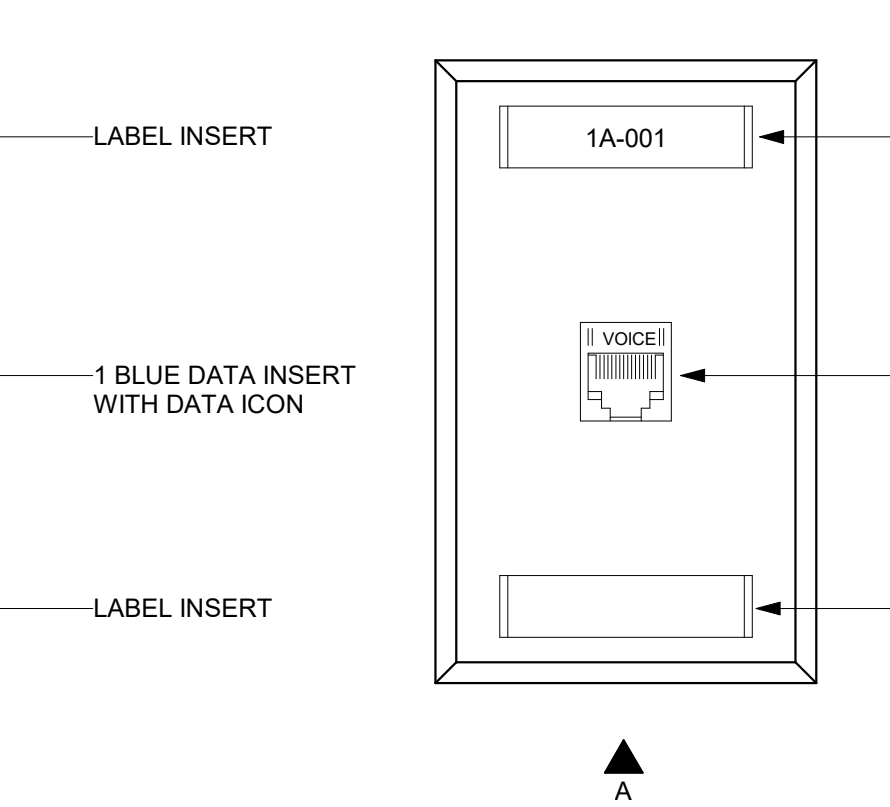
6 VOICE / DATA J-HOOK DETAIL  
N.T.S.



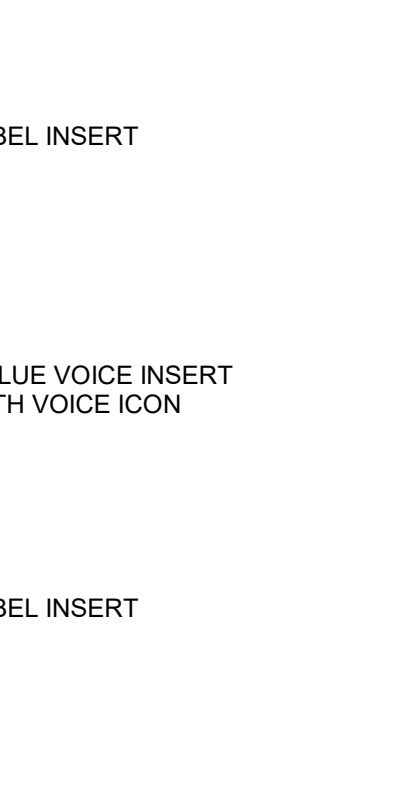
7 TYPICAL WALL MOUNTED VOICE RECESSED OUTLET  
N.T.S.



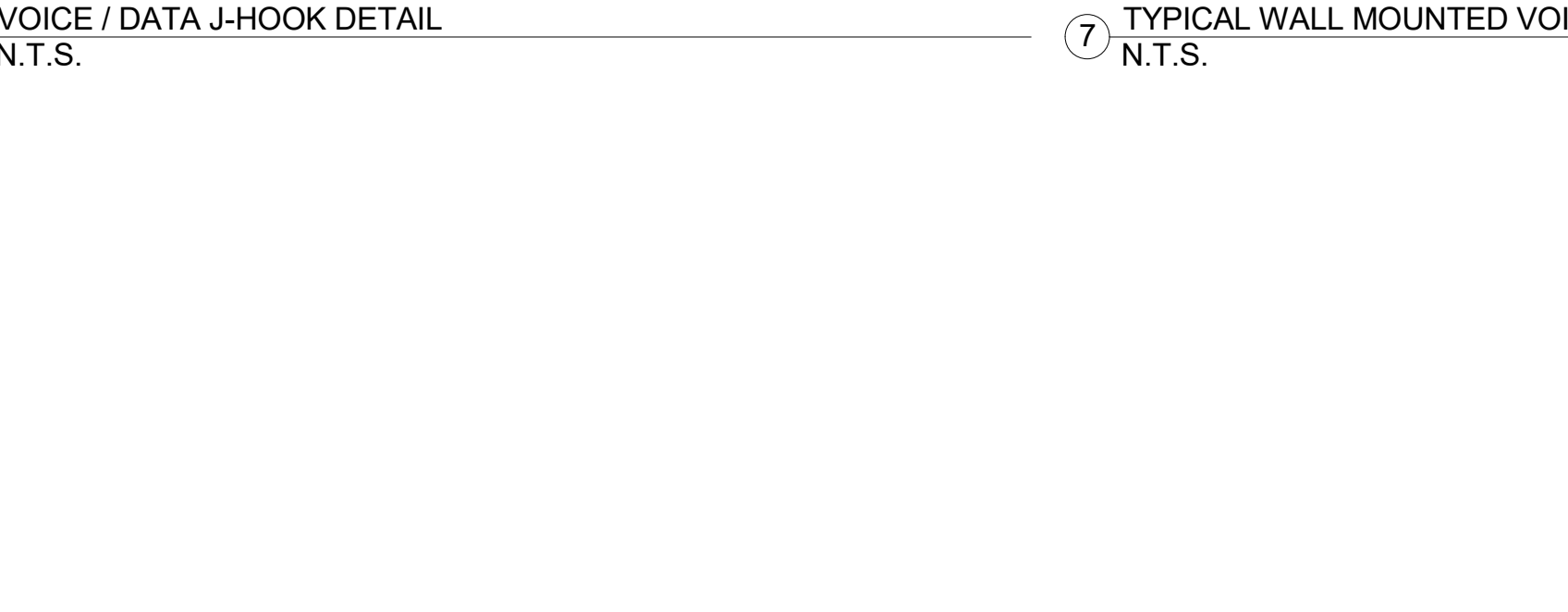
8 TYPICAL 2 DATA RECESSED OUTLET  
N.T.S.



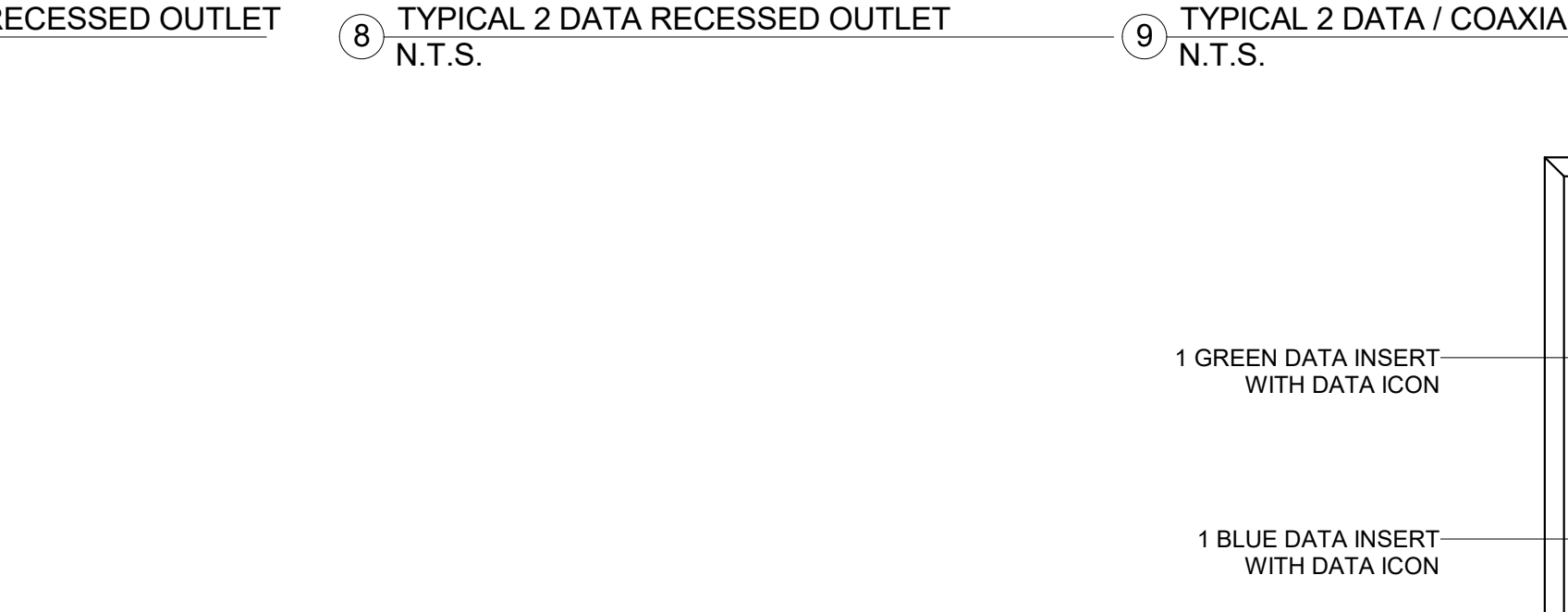
9 TYPICAL 2 DATA / COAXIAL CATV RECESSED OUTLET  
N.T.S.



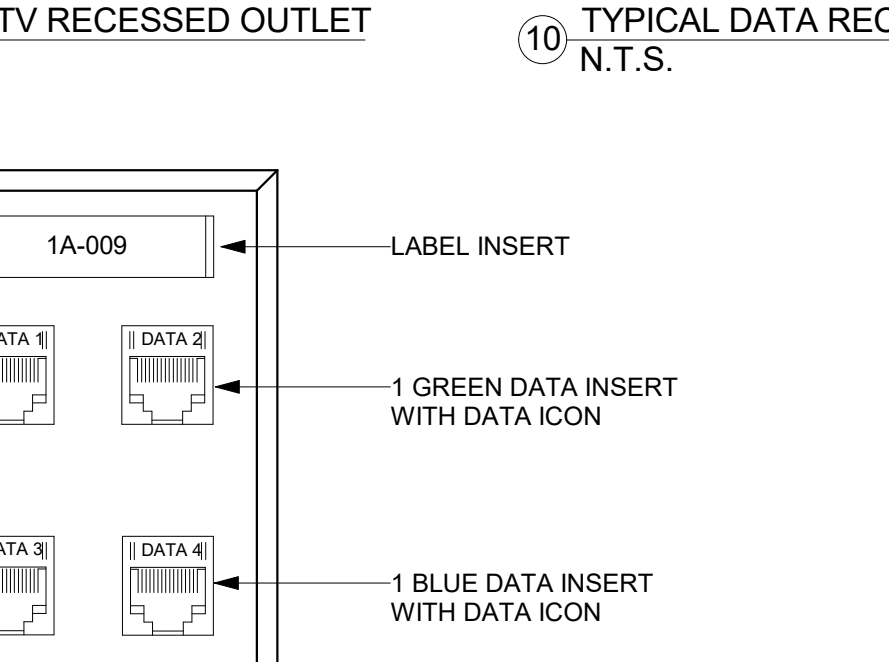
10 TYPICAL DATA RECESSED FACEPLATE  
N.T.S.



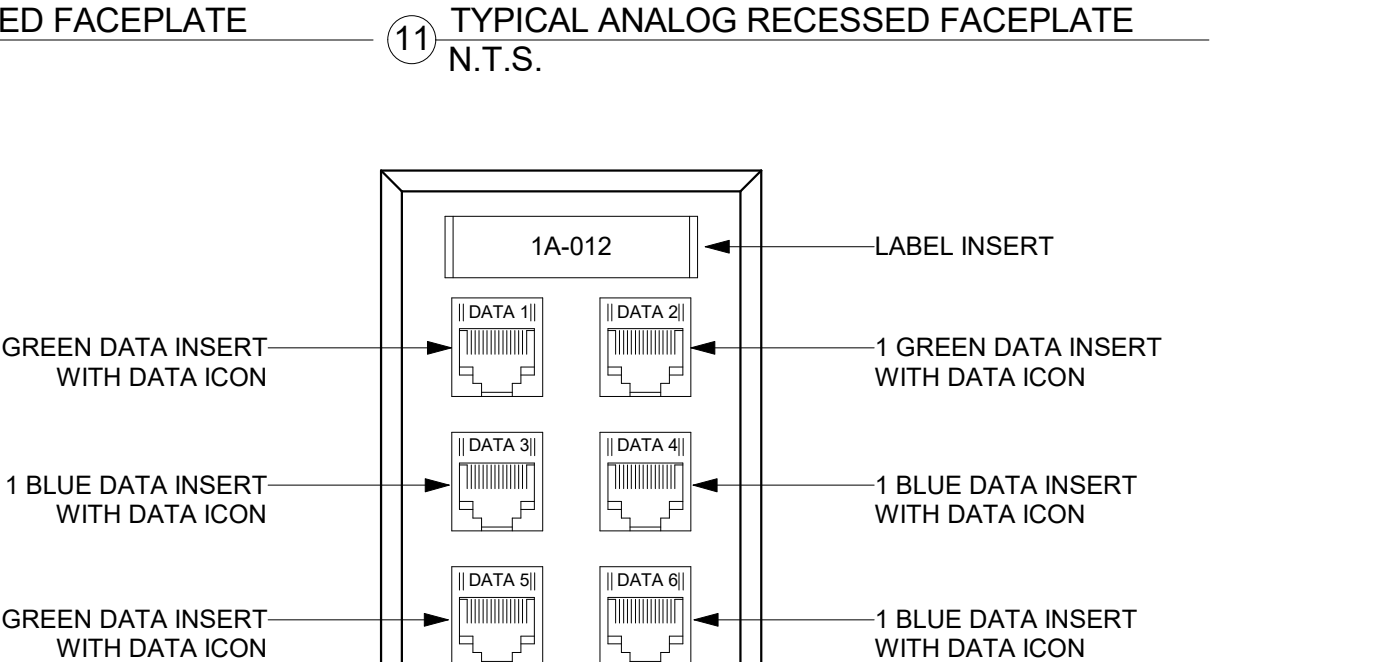
11 TYPICAL ANALOG RECESSED FACEPLATE  
N.T.S.



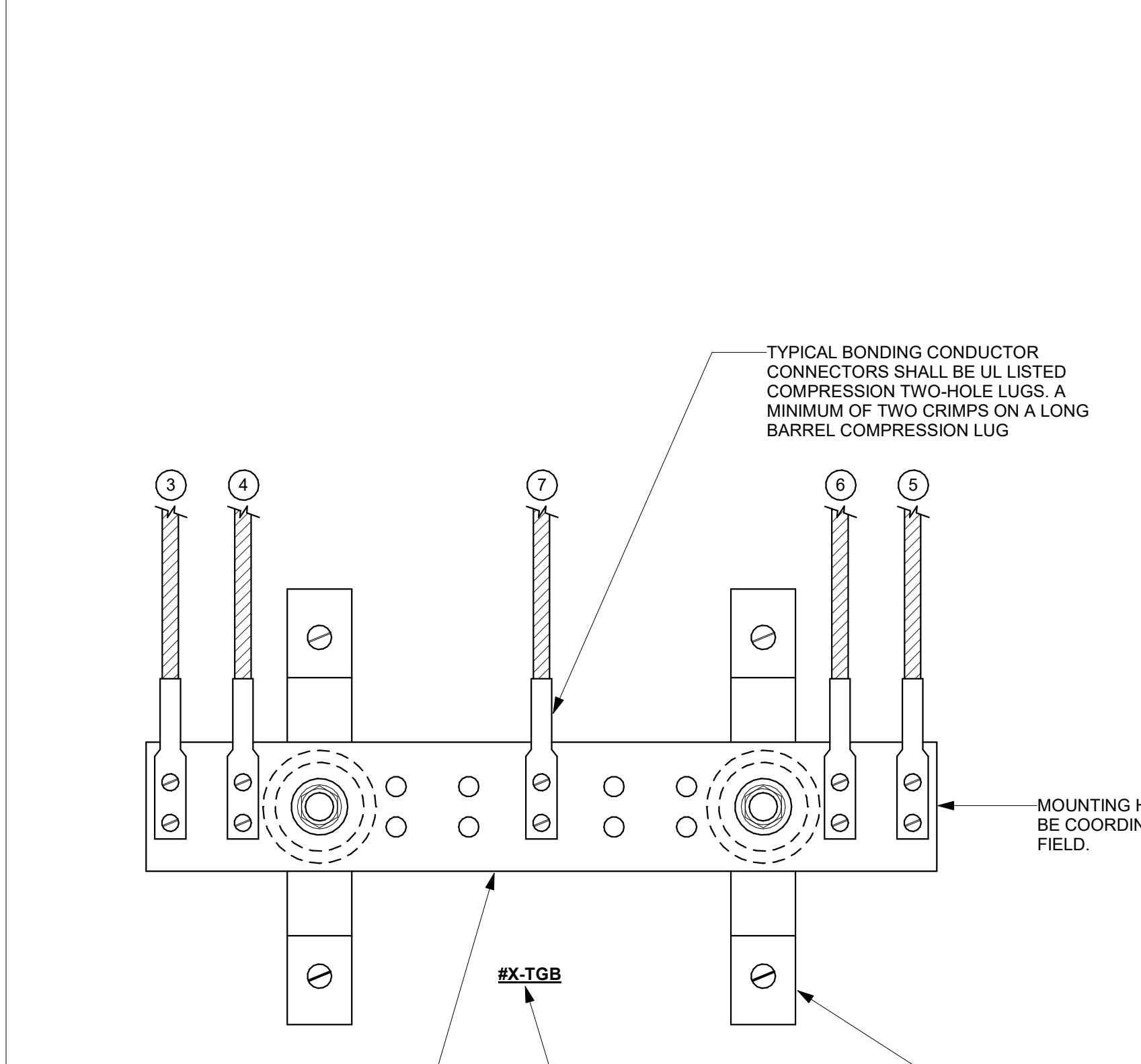
12 TYPICAL 4 DATA RECESSED OUTLET  
N.T.S.



13 TYPICAL 6 DATA RECESSED OUTLET  
N.T.S.



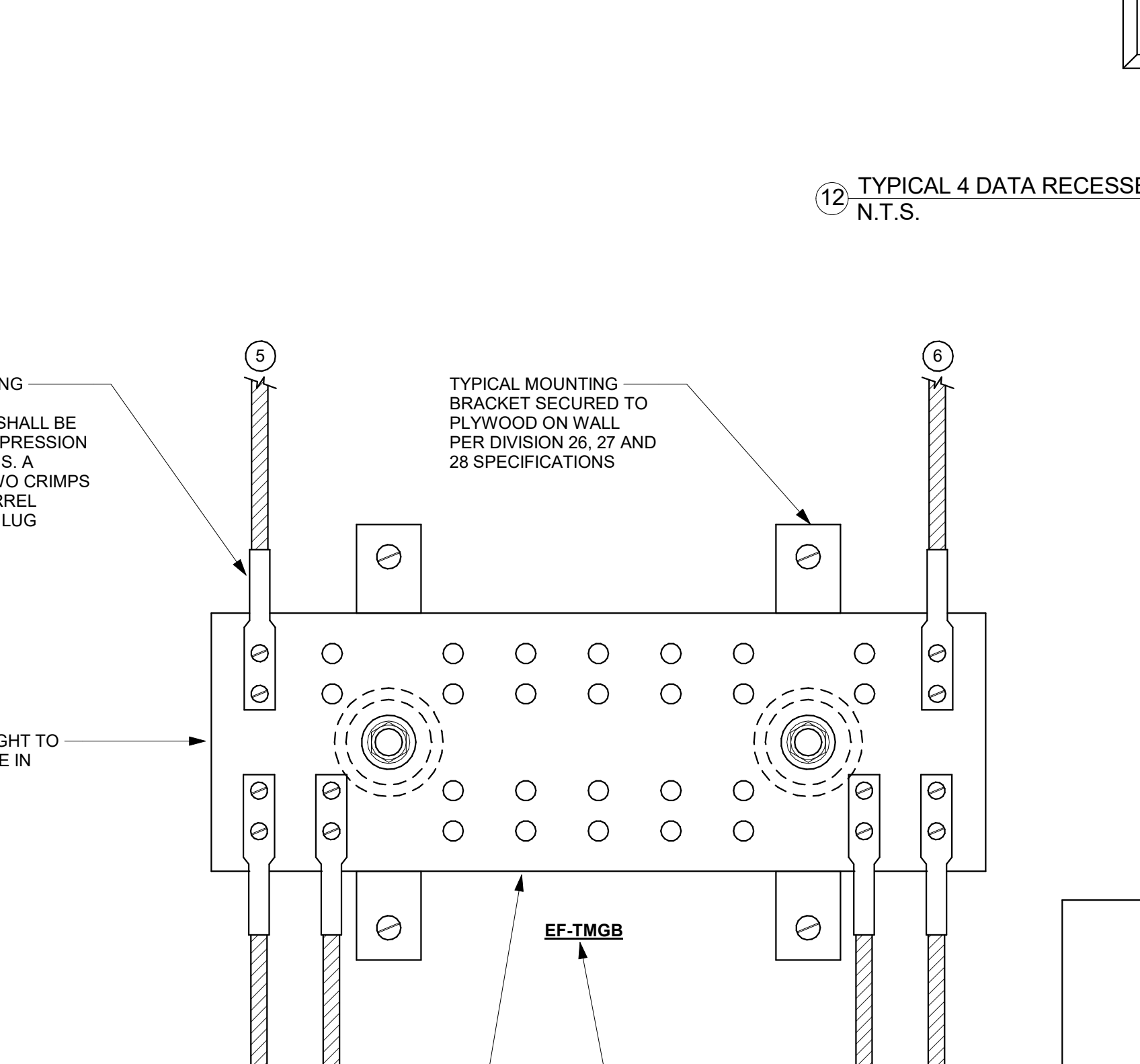
14 TYPICAL COAXIAL CATV OUTLET  
N.T.S.



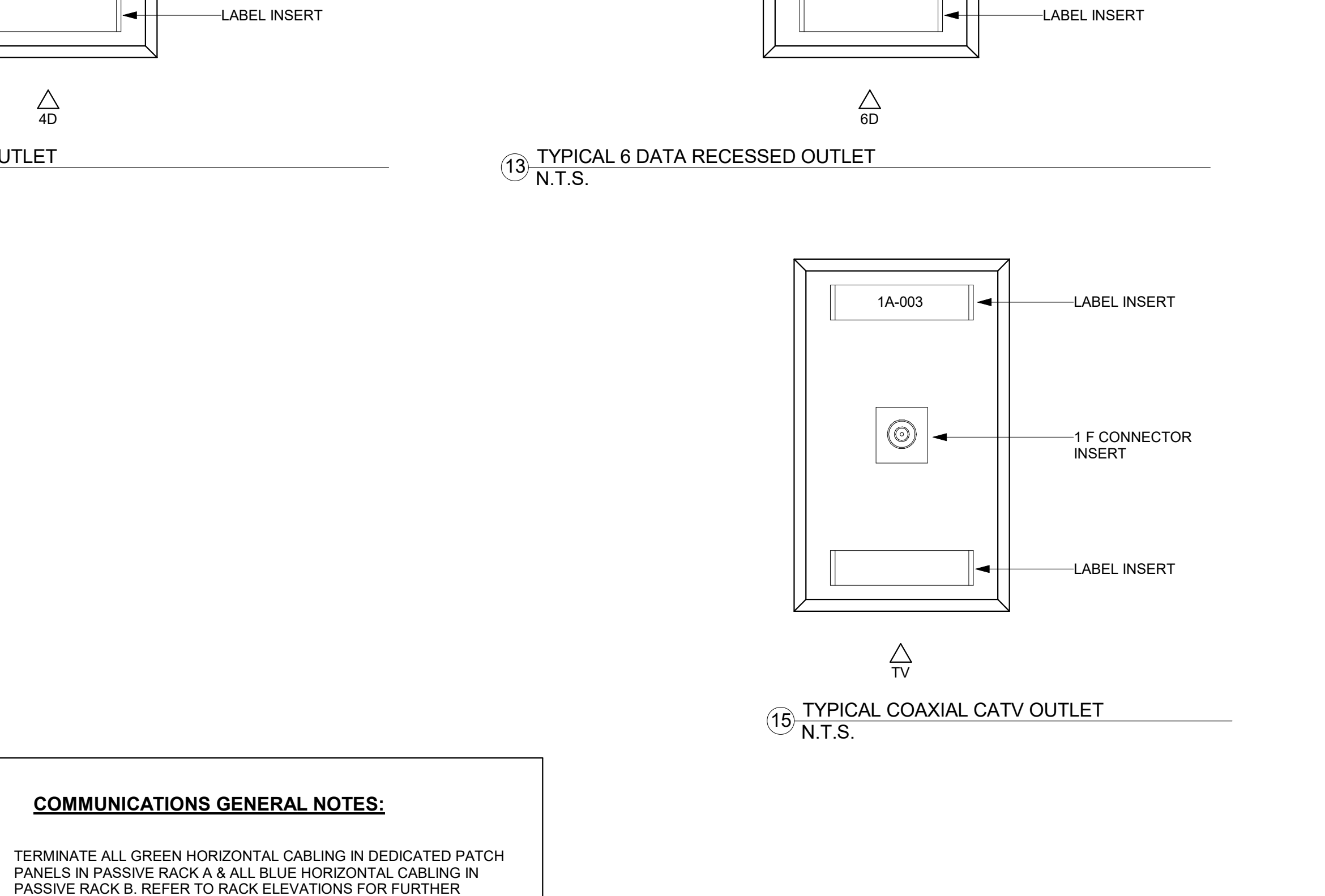
15 TELECOMMUNICATIONS GROUNDING BUSBARS (TMGB & TGB)  
N.T.S.

**GROUNDING & BONDING DETAIL NOTES**

- REFER TO GROUNDING AND BONDING DIVISION 26, 27 AND 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REFER TO GROUNDING AND BONDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- BONDING CONDUCTORS SHALL BE #3/0 AWG COLOR GREEN INSULATED COPPER CONDUCTOR PER 'SIZING OF THE TGB' CHART IN ANSITIA-607-B IN PATHWAY.
- FASTENING BONDING CONNECTOR LUGS TO ALL BUSBARS SHALL BE CLEANED AND APPLY AN ANTI-OXIDANT TO THE CONTACT AREA OF BOTH THE CONNECTOR LUG AND THE BUSBAR.
- BONDING CONDUCTORS AND BUSBARS SHALL BE LABELED WITH IDENTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF ANSITIA-606-B.
- BONDING CONDUCTORS SHALL BE LABELED WITH IDENTIFICATION LABEL NOTED BELOW AND SECURED WITH CABLE TIE TO EACH CONDUCTOR. (ANSITIA-607-B) IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER.
- COORDINATE AND CONFIRM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) INSTALLATION AT THE ENTRANCE FACILITY (EF).
- COORDINATE AND CONFIRM THE BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) CONNECTION TO THE BUILDING GROUNDING ELECTRODE FROM THE TMGB AT THE EF.
- COORDINATE AND CONFIRM THE BCT TO NEAREST BUILDING METALLIC DOMESTIC COLD WATER PIPE CONNECTION, IF APPLICABLE FROM THE TMGB AT THE EF.
- CONTINUITY TESTING MEASUREMENTS OF THE GROUNDING RESISTANCE TO NOT EXCEED 0.1 OHM BETWEEN:
  - THE TMGB AND THE NEAREST GROUNDING ELECTRODE.
  - EACH TGB AND THE NEAREST GROUNDING ELECTRODE.
  - EACH TGB AND PATHWAY(S), RACK(S), CABINET(S) AND APPLICABLE EQUIPMENT.
- BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) TO BUILDING GROUNDING ELECTRODE. REFER TO RISER DIAGRAM.
- BCT TO NEAREST BUILDING METALLIC DOMESTIC COLD WATER PIPE, IF APPLICABLE. UTILIZE BRONZE WATER PIPE GROUNDING CLAMP CONNECTION TO WATER PIPE.
- BCT TO NEAREST BUILDING STEEL STRUCTURE, IF APPLICABLE. UTILIZE EXOTHERMIC WELDING CONNECTION TO BUILDING STEEL.
- BCT TO NEAREST BUILDING ELECTRICAL PANELBOARD GROUND BAR. UTILIZE LISTED CONNECTOR TO PANELBOARD GROUND BUS.
- TELECOMMUNICATION BONDING BACKBONE (TBB) FOR GROUNDING EQUALIZER (GE), IF APPLICABLE. REFER TO RISER DIAGRAM.
- TYPICAL TBB(S) THAT INTERCONNECTS ALL TGB(S) WITH THE TMGB. REFER TO RISER DIAGRAM.
- TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR (TEBC) TO TELECOMMUNICATIONS CABLE TRAYS, LADDER RACK(S), PATHWAY(S), EQUIPMENT RACK(S), EQUIPMENT CABINET(S), ELECTROSTATIC DISSIPATIVE FLOORING AND APPLICABLE EQUIPMENT. DAISY CHAINING AT RACKS IS NOT ACCEPTABLE. EACH RACK IS TO HAVE A TEBC TO A COMPRESSION LUG TAP TO THE DEDICATED HOMERUN TEBC BACK TO THE TGB. SEE DETAILS.
- IRREVERSIBLE COMPRESSION-TYPE CONNECTION, IF APPLICABLE. REFER TO RISER DIAGRAM.



16 TYPICAL MOUNTING BRACKET SECURED TO PLYWOOD ON WALL  
N.T.S.



17 COMMUNICATIONS GENERAL NOTES  
N.T.S.

drawing title COMMUNICATIONS DETAILS			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by	date
	mark	date description	BVH INTEGRATED SERVICES	08/16/2019
	1	08/16/19 ACCENDUM R2	206 WEST NEWBERRY ROAD BLOOMFIELD, CT. 06002	scale As indicated
			project	drawn by NES
			SCSU NEW HHS BUILDING	approved by AV
			501 CRESCENT STREET NEW HAVEN, CT 06050	drawing no. TC400
			CAO no.	
			project no. BI-RS-329	