

CABLE PULL PLAN

Date: 11/17/15

Facility: SSM Stoughton Hospital
Location: Stoughton, WI
Project: Phase 1-Med Surg-ICU-PACU

All Inclusive Cabling Requirements:

- All cables are to be clearly labeled at both ends.
- Leave ten feet of extra cable at each end of each pull.
- All terminations are to be completed by Nihon Kohden approved personnel.
- Any changes to the scope of this pull plan are to be approved by Nihon Kohden Project Management prior to pulling cable.
- Any cable pulls outside of the scope of this pull plan will be billable.

CAT6 Cabling Requirements: (if applicable)

- All CAT6 hardwire runs must be pulled completely from patch panel locations to a junction box at the bedside, head wall and CNS/Printer locations.
- All CAT6 Runs must be less than 300 ft. and are required to be Unshielded Twisted Pair (**UTP**) - unless otherwise indicated.
- Label each cable end in the closet and at the junction box locations.
- All cables pulled in Operating Rooms are required to be CAT6 Shielded Twisted Pair (**STP**).
- **Prior to pulling cable, cable pullers are required to consult with hospital personnel to determine CAT6 cable locations for final capital equipment placement.**

Coax(RG-6/RG-11) Cabling Requirements: (if applicable)

- Identify each RG-6/RG-11 cable end location in the ceiling with a piece of colored tape (preferably painters tape) on the metal frame of the ceiling grid.
- Cable Lengths noted on the "WMTS Configuration" are estimates only.
 - **DO NOT** precut cable before pulling.

Note: All cable runs are to be shortest route. Any changes to the routing of cable or locations of closets and/or verticals must be approved by Nihon Kohden Inc. Design Team prior to pulling cable.

If you have any questions, please contact Project Management with Nihon Kohden at 1-800-325-0283 or e-mail Project_Management@nkusa.com.

2nd Floor ORG Closet

The 2nd Floor ORG Wiring Closet will have 2-Patch Panels, 1-Network Switch, 1-Cisco SG-200, 3-Gateway Servers, 1-ORG using 1-UPS and 4-antenna power supplies requiring access to 10-“Emergency Power” AC outlets. A piece of plywood, a minimum of 4 ft. by 8 ft. will need to be mounted on a wall at working level. The above electrical outlets will need to be within 3 feet of the plywood and shelves to accommodate normal electrical power cables. Below the plywood, 2 shelves, 12 inches x 24 inches with 12 inches of vertical clearance above the shelf, will be required. The shelves will need to be able to support a minimum of 40 pounds. Wall space and shelving may be replaced with appropriate computer rack space.

3rd Floor Wiring Closet

The 3rd Floor Wiring Closet will have 1-Patch Panel, 1-Network Switch and 1-Cisco SG-200 requiring access to 2-“Emergency Power” AC outlets. A piece of plywood, a minimum of 2 ft. by 2 ft. will need to be mounted on a wall at working level. The above electrical outlets will need to be within 3 feet of the plywood to accommodate normal electrical power cables. Wall space may be replaced with appropriate computer rack space.

Gray CAT 6 UTP Cabling Plan

2nd Floor

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|---|---------------------|
| 1. PACU #1 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 UTP |
| 2. PACU #2 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 UTP |
| 3. PACU #3 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 UTP |
| 4. PACU #4 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 UTP |
| 5. PACU #5 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 UTP |

3rd Floor

- | | |
|---|---------------------|
| 6. CNS #3-1 to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 7. Printer #3-1-P to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 8. CNS #3-2 to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 9. Printer #3-2-P to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 10. Printer #3-3-P to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 11. Med Surg #1 to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 12. Med Surg #2 to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 13. Med Surg #3 to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 14. Med Surg #4 to 3 rd Floor Wiring Closet | Run 1 Gray CAT6 UTP |
| 15. 3 rd Floor Wiring Closet to 2 nd Floor ORG Closet | Run 1 Gray CAT6 UTP |

OR-Gray CAT6 STP Cable Pulls

2nd Floor

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|---|-----------------------------------|
| 1. Endo to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 <u>STP</u> |
| 2. OR #2 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 <u>STP</u> |
| 3. OR #3 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 <u>STP</u> |
| 4. OR #4 to 2 nd Floor ORG Wiring Closet | Run 1 Gray CAT6 <u>STP</u> |

Orange CAT 6 UTP Cabling Plan

3rd Floor

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|--|-----------------------|
| 1. RNS #R-3-1 to 3 rd Floor Wiring Closet | Run 1 Orange CAT6 UTP |
| 2. 3 rd Floor Wiring Closet to 2 nd Floor ORG Closet | Run 1 Orange CAT6 UTP |

COAX Cabling Plan

2nd Floor

- | | |
|---------------------------------------|-------------------------|
| 1. 2-A1 to 2-AS1 splitter | Run 1 white RG-6 |
| 2. 2-A2 to 2-AS1 splitter | Run 1 white RG-6 |
| 3. 2-A3 to 2-AS1 splitter | Run 1 white RG-6 |
| 4. 2-A4 –Not Used | |
| 5. 2-B1 to 2-BS1 splitter | Run 1 black RG-6 |
| 6. 2-B2 to 2-BS1 splitter | Run 1 black RG-6 |
| 7. 2-B3 to 2-BS1 splitter | Run 1 black RG-6 |
| 8. 2-B4 –Not Used | |
| 9. 2-AS1 splitter to 2-AS50 splitter | Run 1 white RG-6 |
| 10. 2-BS1 splitter to 2-BS50 splitter | Run 1 black RG-6 |
| 11. 2-A5 to 2-AS2 splitter | Run 1 white RG-6 |
| 12. 2-A6 to 2-AS2 splitter | Run 1 white RG-6 |
| 13. 2-A7 to 2-AS2 splitter | Run 1 white RG-6 |
| 14. 2-A8 –Not Used | |
| 15. 2-B5 to 2-BS2 splitter | Run 1 black RG-6 |
| 16. 2-B6 to 2-BS2 splitter | Run 1 black RG-6 |
| 17. 2-B7 to 2-BS2 splitter | Run 1 black RG-6 |
| 18. 2-B8 –Not Used | |
| 19. 2-AS2 splitter to 2-AS50 splitter | Run 1 white RG-6 |
| 20. 2-BS2 splitter to 2-BS50 splitter | Run 1 black RG-6 |

- 21. 2-AS50 splitter to 2nd Floor ORG Closet
- 22. 2-BS50 splitter to 2nd Floor ORG Closet

Run 1 white RG-6
Run 1 **black** RG-6

3rd Floor

- 1. 3-A1 to 3-AS1 splitter
- 2. 3-A2 to 3-AS1 splitter
- 3. 3-A3 to 3-AS1 splitter
- 4. 3-A4 to 3-AS1 splitter
- 5. 3-B1 to 3-BS1 splitter
- 6. 3-B2 to 3-BS1 splitter
- 7. 3-B3 to 3-BS1 splitter
- 8. 3-B4 to 3-BS1 splitter
- 9. 3-AS1 splitter to 3-AS50 splitter
- 10. 3-BS1 splitter to 3-BS50 splitter

Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 white RG-6
Run 1 **black** RG-6

- 11. 3-A5 to 3-AS2 splitter
- 12. 3-A6 to 3-AS2 splitter
- 13. 3-A7 to 3-AS2 splitter
- 14. 3-A8 to 3-AS2 splitter
- 15. 3-B5 to 3-BS2 splitter
- 16. 3-B6 to 3-BS2 splitter
- 17. 3-B7 to 3-BS2 splitter
- 18. 3-B8 to 3-BS2 splitter
- 19. 3-AS2 splitter to 3-AS50 splitter
- 20. 3-BS2 splitter to 3-BS50 splitter

Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 white RG-6
Run 1 **black** RG-6

- 21. 3-AS50 splitter to 2nd Floor ORG Closet
- 22. 3-BS50 splitter to 2nd Floor ORG Closet

Run 1 white RG-6
Run 1 **black** RG-6

- 23. 3-A9 to 3-AS3 splitter
- 24. 3-A10 to 3-AS3 splitter
- 25. 3-A11 to 3-AS3 splitter
- 26. 3-A12 –Not Used
- 27. 3-B9 to 3-BS3 splitter
- 28. 3-B10 to 3-BS3 splitter
- 29. 3-B11 to 3-BS3 splitter
- 30. 3-B12 –Not Used
- 31. 3-AS3 splitter to 3-AS51 splitter
- 32. 3-BS3 splitter to 3-BS51 splitter

Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 **black** RG-6
Run 1 white RG-6
Run 1 **black** RG-6

- 33. 3-A13 to 3-AS4 splitter
- 34. 3-A14 to 3-AS4 splitter
- 35. 3-A15 to 3-AS4 splitter
- 36. 3-A16 to 3-AS4 splitter

Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6
Run 1 white RG-6

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|---|-------------------------|
| 37. 3-B13 to 3-BS4 splitter | Run 1 black RG-6 |
| 38. 3-B14 to 3-BS4 splitter | Run 1 black RG-6 |
| 39. 3-B15 to 3-BS4 splitter | Run 1 black RG-6 |
| 40. 3-B16 to 3-BS4 splitter | Run 1 black RG-6 |
| 41. 3-AS4 splitter to 3-AS51 splitter | Run 1 white RG-6 |
| 42. 3-BS4 splitter to 3-BS51 splitter | Run 1 black RG-6 |
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| 43. 3-AS51 splitter to 2 nd Floor ORG Closet | Run 1 white RG-6 |
| 44. 3-BS51 splitter to 2 nd Floor ORG Closet | Run 1 black RG-6 |

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