

## GENERAL DEMOLITION NOTES

1. THIS EXISTING FLOOR PLAN HAS BEEN DEVELOPED UTILIZING EXISTING DOCUMENTS AND READILY OBSERVABLE SITE CONDITIONS. ALL DEVICES, CONDUITS, TELECOMMUNICATIONS EQUIPMENT, ETC. SHOWN ARE FOR REFERENCE ONLY AND MAY NOT INDICATE CORRECT IDENTIFICATION, AND SIZE; AND TOTAL QUANTITIES OF ITEMS SCHEDULED FOR DEMOLITION. VISIT SITE AND FIELD VERIFY THE NUMBER OF DEVICES WITHIN THE CONSTRUCTION PHASE AREA PRIOR TO THE BID AND REMOVAL. THE DRAWINGS DO NOT LIMIT THE AMOUNT OF DEMOLITION WORK REQUIRED. THE TELECOMMUNICATIONS CONTRACTOR MUST PERFORM THE DEMOLITION WORK AS INDICATED ON THE DEMOLITION DRAWINGS AND AS REQUIRED FOR THE NEW WORK.
2. DEMOLITION WORK MUST FOLLOW THE CONSTRUCTION PHASING SEQUENCE AND MUST BE COORDINATED WITH THE CONSTRUCTION DRAWINGS AND CONTRACTORS.
3. REMOVE ALL DEVICES, EQUIPMENT, MATERIAL, AND ASSOCIATED CABLING IN THEIR ENTIRETY, WHICH INTERFERE WITH THE NEW CONSTRUCTION AS DIRECTED BY THE CONSTRUCTION MANAGER. ALWAYS FIELD VERIFY SYSTEM PRIOR TO STARTING WORK AT SITE. THE TERM ASSOCIATED CABLING SHALL MEAN CONDUIT, FITTINGS, SUPPORTS, JUNCTION BOXES, CABLES, ETC. BACK TO THE RESPECTIVE EQUIPMENT ROOM.
4. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CABLES AND CONDUITS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN). VERIFY CABLES, DEVICES, AND EQUIPMENT SCHEDULED FOR REMOVAL TO ASSURE THAT THEIR REMOVAL WILL NOT ADVERSELY AFFECT ADJACENT AREAS NOT BEING RENOVATED.
5. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THIS CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL TELECOMMUNICATIONS ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, AFTER COMPLETION OF OTHER TRADE'S WORK IN THAT AREA, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED.
6. IN ALL EXISTING OR NEW AREAS SPECIFIED OR SHOWN TO BE PAINTED, THIS CONTRACTOR SHALL REMOVE BAG AND PROTECT DURING WORK ALL TELECOMMUNICATIONS ITEMS AS REQUIRED INCLUDING BUT NOT LIMITED TO COATERS, CABLES, DEVICES, ETC. REINSTALL SAME AFTER COMPLETION OF PAINTING. ANY ITEM NOT REMOVED AND PAINTED OVER SHALL BE SUITABLY CLEANED OR REPLACED WITH NEW ITEM BY THIS CONTRACTOR.
7. INVENTORY MAJOR TELECOMMUNICATIONS ITEMS THAT ARE REMOVED AND PROVIDE A LIST TO THE OWNER FOR THEIR SELECTION OF ITEMS TO BE RETAINED. ALL ITEMS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
8. DISCONNECT, MAKE SAFE AND REMOVE ALL TEMPORARY AND ABANDONED WIRE WITHIN THE SPACE.
9. FLAG, LABEL AND CLEARLY IDENTIFY CABLES AND ITEMS TO REMAIN IN PLACE, AND OR SERVICE, THROUGHOUT THE PROJECT OR ANY PORTION OF THE PROJECT. REPAIR AND/OR REPLACE ANY CABLE OR DEVICE DAMAGED DURING THE PROJECT, WITHIN 24 HOURS OF NOTIFICATION OF DAMAGES OR DISRUPTION.

## TELECOM CONDUIT FILL CHART - 40% FILL

		CONDUIT INNER DIAMETER SIZE								
CABLE TYPE	JACKET	CABLE O.D.	0.75"	1"	1.25"	1.5"	2"	2.5"	3"	4"
CAT6	CMR	0.2	5	9	14	20	36	56	81	100
CAT6A	CMR	0.34	1	3	4	6	12	19	27	48
CAT6A	CMR	0.307	2	4	7	10	18	28	41	73
CAT6	CMP	0.2	5	9	14	21	37	57	83	110
CAT6A	CMP	0.34	2	3	5	7	13	21	30	53



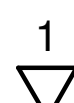
















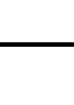

## TELECOM BACKBOX REQUIREMENTS

1. FOR WIRELESS LOCATIONS:  
PROVIDE A SINGLE GANG, 3" x 2", 2-3/4" DEEP, OUTLET BOX WITH A SINGLE GANG PLASTER RING AND A CONDUIT SIZED AS REQUIRED BASED ON THE CABLE FILL CHART, WITH CONNECTORS, BUSHINGS AND PULL STRING TO THE NEAREST ACCESSIBLE CEILING SPACE ON THE SAME FLOOR AS THE ROOM BEING SERVED BY THE OUTLET LOCATION.
2. FOR WALL MOUNTED LOCATIONS:  
PROVIDE A TWO GANG, 4-11/16" SQUARE, 2-1/8" DEEP, OUTLET BOX WITH A SINGLE GANG PLASTER RING AND A CONDUIT SIZED AS REQUIRED BASED ON THE CABLE FILL CHART, WITH CONNECTORS, BUSHINGS AND PULL STRING TO THE NEAREST ACCESSIBLE CEILING SPACE ON THE SAME FLOOR AS THE ROOM BEING SERVED BY THE OUTLET LOCATION.
3. FOR FLOOR MOUNTED LOCATIONS:  
PROVIDE A CONDUIT SIZED AS REQUIRED BASED ON THE CABLE FILL CHART, WITH CONNECTORS, BUSHINGS AND PULL STRING TO THE NEAREST ACCESSIBLE CEILING SPACE ON THE SAME FLOOR AS THE ROOM BEING SERVED BY THE OUTLET LOCATION.

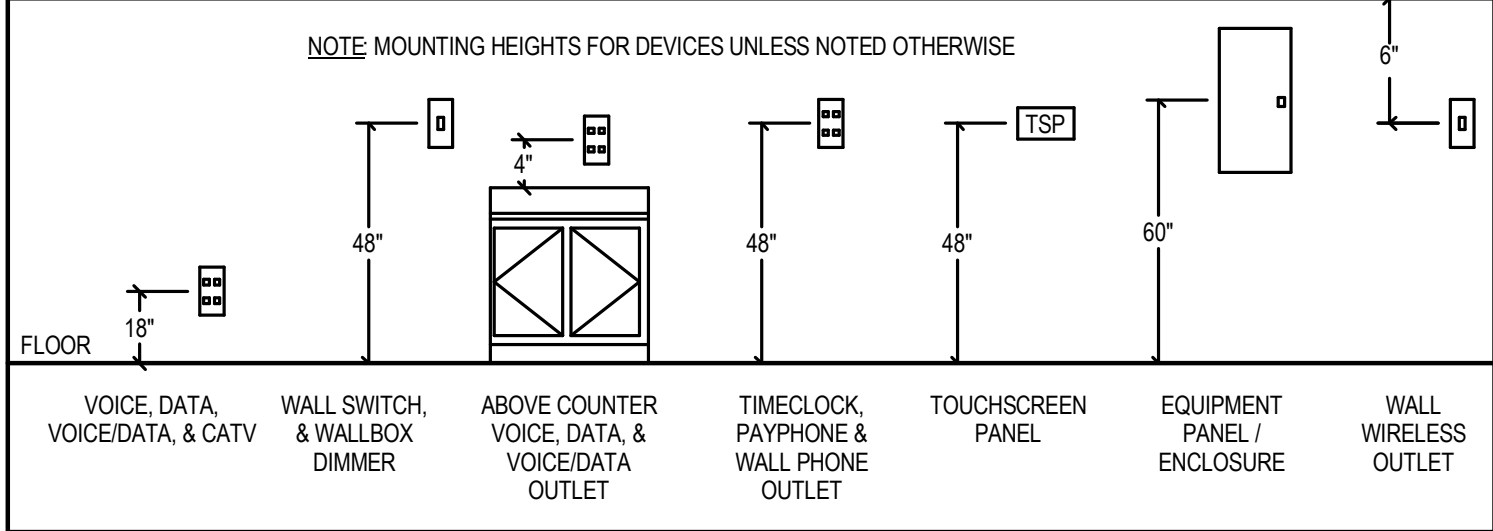
## GENERAL NOTES

1. THE WORK REQUIREMENTS DESCRIBED WITHIN DIVISION 20 SPECIFICATION SECTION "COMMON MECHANICAL / ELECTRICAL REQUIREMENTS" FORM COMPLIMENTARY REQUIREMENTS TO THE SCOPE OF WORK CONTAINED WITHIN DIVISION 27 AND 28.
2. CONDITIONS OF THE CONTRACT AND DIVISION 1, GENERAL REQUIREMENTS APPLY TO WORK OF THIS SECTION. EXAMINE DRAWINGS AND OTHER SPECIFICATIONS FOR REQUIREMENTS THAT AFFECT WORK OF THIS SECTION.
3. PROVIDE ITEMS REFERRED TO IN SINGULAR OR PLURAL NUMBERS IN CONTRACT DOCUMENTS IN QUANTITIES NECESSARY TO COMPLETE WORK.
4. PERFORM WORK AS REQUIRED BY CODES, REGULATIONS AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES WITH LAWFUL JURISDICTION.
5. MATERIAL AND EQUIPMENT SHALL BE UL, NEMA, ANSI, IEEE, ADA & CBM APPROVED FOR INTENDED SERVICE. MATERIAL AND INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND STATE ELECTRICAL CODE.
6. MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED.
7. GUARANTEE WORK IN WRITING FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO COST TO OWNER. CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER.
8. SUBMIT GUARANTEE TO ARCHITECT BEFORE APPLICATION FOR FINAL PAYMENT.
9. STATEMENT OF GUARANTEE REQUIREMENTS SHALL NOT BE INTERPRETED TO LIMIT OWNER'S RIGHTS UNDER LAW AND THIS CONTRACT.
10. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. PROVIDE INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS BUT NOT SHOWN ON PLANS, AND VICE VERSA, AS IF EXPRESSLY REQUIRED ON BOTH.
11. ALL WIRING SHALL BE RUN CONCEALED UNLESS SPECIFIED OTHERWISE.
12. ALL RACEWAYS RUNNING THROUGH BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.
13. CONTRACTOR SHALL REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING HEIGHTS AND LOCATIONS FOR TELECOM EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT.
14. ALL GROUNDING SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL AND STATE ELECTRICAL CODES.
15. REFER TO SPECIFICATION FOR CABLE COLORS
16. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, JUNCTION BOXES, CABLE TRAYS, PANELS, PULL STRINGS, ENCLOSURES, FLOOR BOXES, POWER CIRCUITS, TELCOM GROUNDING SYSTEM, POWER CABLE AND POWER CONNECTIONS UNDER THIS SECTION.
17. CONDUIT SHALL NOT EXCEED 100'-0" OR A TOTAL OF 180 DEGREES IN BENDS BETWEEN PULL BOXES FOR DISTRIBUTION OF TELE/DATA CABLE.
18. VERIFY ALL DEVICE PLATE FINISHES WITH ARCHITECT AND/OR OWNER.
19. LABEL ALL CABLE, CONDUIT AND BACK BOXES FOR EASE OF IDENTIFICATION.
20. ALL CABLE RUNS MUST BE CONTINUOUS FROM SOURCE TO DESTINATION. NO EXCEPTIONS.
21. PROVIDE A SERVICE LOOP OF 15'-0" MINIMUM AT ALL BACKBONE TERMINATION LOCATIONS AND SPLICE POINTS.
22. INTERBUILDING AND INTRABUILDING OPTICAL FIBER CABLING SHALL BE CLEARLY AND VISIBLY IDENTIFIED BY THE CONTRACTOR IN ALL MANHOLES, PULL BOXES, ENTRANCE POINTS, SERVICE ENTRENCHES AND 3'-0" BEFORE ENTERING A FREE STANDING RACK, WALL MOUNTED ENCLOSURE OR SURFACE MOUNT FIBER CABINET UTILIZING AN OPTICAL FIBER CABLE MARKER TAG SYSTEM.
23. WHEN ROUTING COMMUNICATIONS CABLES USING OPEN CABLING METHODS, MAINTAIN A MINIMUM SPACING OF 1'-0" FROM ELECTRICAL FEEDERS, BRANCH CIRCUIT WIRING AND AUXILIARY SYSTEM CABLING.
24. WHEN ROUTING COMMUNICATIONS CABLES USING OPEN CABLING METHODS, MINIMUM SPACING FROM ELECTRICAL APPARATUS SUCH AS MOTOR DRIVEN EQUIPMENT AND TRANSFORMERS SHALL BE 4'-0". SPACING REQUIREMENTS SHALL APPLY TO OPEN CABLE PATHS WHERE EQUIPMENT IS LOCATED ON THE SAME FLOOR, FLOOR ABOVE, FLOOR BELOW OR IN ROOMS ADJACENT TO SUCH EQUIPMENT AS THOUGH WALLS AND FLOORS DID NOT EXIST. EXCEPTION: BUILDING CONSTRUCTION THAT RESULTS IN METALLIC BARRIER BETWEEN ELECTRICAL APPARATUS AND CABLE PATHWAYS SHALL BE CONSIDERED SUITABLE SEPARATION.

## TELECOM SYMBOLS LEGEND

WAP 	WALL MOUNTED WIRELESS LOCATION (2) - CAT 6A CMP CABLES
WAP 	CEILING MOUNTED WIRELESS LOCATION (2) - CAT 6A CMP CABLES CEILING MOUNTED WIRELESS DATA LOCATIONS ARE TO BE MOUNTED TO THE BUILDING STRUCTURE ABOVE THE CEILING. THE CEILING MOUNTED WIRELESS DATA DEVICE BOX ASSEMBLY IS TO BE (UL) RATED FOR PLENUM.
1 	WALL MOUNTED DATA 1 LOCATION (1) - CAT 6 CMP CABLE
2 	WALL MOUNTED DATA 2 LOCATION (2) - CAT 6 CMP CABLES
3 	WALL MOUNTED DATA 3 LOCATION (3) - CAT 6 CMP CABLES
4 	WALL MOUNTED DATA 4 LOCATION (4) - CAT 6 CMP CABLES
1 	FLOOR MOUNTED DATA 1 LOCATION (1) - CAT 6 CMP CABLE
2 	FLOOR MOUNTED DATA 2 LOCATION (2) - CAT 6 CMP CABLES
3 	FLOOR MOUNTED DATA 3 LOCATION (3) - CAT 6 CMP CABLES
4 	FLOOR MOUNTED DATA 4 LOCATION (4) - CAT 6 CMP CABLES
1 	CEILING MOUNTED DATA 1 LOCATION (1) - CAT 6 CMP CABLE
2 	CEILING MOUNTED DATA 2 LOCATION (2) - CAT 6 CMP CABLES
3 	CEILING MOUNTED DATA 3 LOCATION (3) - CAT 6 CMP CABLES
4 	CEILING MOUNTED DATA 4 LOCATION (4) - CAT 6 CMP CABLES
CAM 	CEILING MOUNTED DATA 1 LOCATION - FOR CAMERA (1) - CAT 6 CMP CABLE
W 	WALL MOUNTED PHONE VOICE 1 LOCATION (1) - CAT 6 CMP CABLE
TV 	WALL MOUNTED TV DATA 1 LOCATION (1) - CAT 6 CMP CABLE OR (THIS NEEDS TO BE EDITED FOR EACH JOB) WALL MOUNTED TV COAX LOCATION (1) - RG-6 PLENUM RATED COAX CABLE
TV 	FLOOR MOUNTED TV DATA 1 LOCATION (1) - CAT 6 CMP CABLE OR (THIS NEEDS TO BE EDITED FOR EACH JOB) FLOOR MOUNTED TV COAX LOCATION (1) - RG-6 PLENUM RATED COAX CABLE
RS 	CEILING MOUNTED DATA 1 LOCATION - FOR ROOM SCHEDULER (1) - CAT 6 CMP CABLE
RS 	WALL MOUNTED DATA 1 LOCATION - FOR ROOM SCHEDULER (1) - CAT 6 CMP CABLE
F# 	FEED LOCATION (# DENOTES THE NUMBER OF CABLES AT THE FEED LOCATION) PROVIDE A 2-GANG MUDRING WITH GROMMET FACEPLATE AT FEED LOCATIONS AS IDENTIFIED ON PLANS. PROVIDE POLYETHYLENE SLEEVE FROM GROMMET TO MODULAR FURNITURE ENTRY POINT.

## DEVICE MOUNTING HEIGHT DIAGRAM







## VANDERWEIL PROJECT INFO

PROJECT NUMBER	30860
PROJECT NAME	RESORTS WORLD






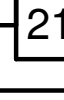



## TELECOM-SHEET LIST

Sheet Number	Sheet Name
TC-001	TELECOM - LEGEND
TC-002	TELECOM - SPECIFICATIONS
TC-101	TELECOM - DEMO FIRST FLOOR LEVEL
TC-103	TELECOM - DEMO THIRD FLOOR
TC-201	TELECOM - FIRST FLOOR LEVEL
TC-203	TELECOM - THIRD FLOOR

## KEY LEGEND

	<p>DETAIL CALL-OUT - PLAN VIEW. DENOTES DETAIL "1" ON DRAWING "T-501".</p>
	<p>DETAIL CALL-OUT - ELEVATION VIEW. DENOTES DETAIL "2" ON DRAWING "T-501".</p>
	

## ELECTRICAL LEGEND

	125 VOLT, 2 POLE, 3 WIRE, 20 AMP, DUPLEX RECEPTACLE.
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP, DOUBLE DUPLEX RECEPTACLE.
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP, DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP, DOUBLE DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
	L5-20R - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE TWIST LOCK RECEPTACLE
	L5-30R - 30 AMP, 125 VOLT, 2 POLE, 3 WIRE TWIST LOCK RECEPTACLE
	L6-20R - 20 AMP, 250 VOLT, 2 POLE, 3 WIRE TWIST LOCK RECEPTACLE
	L6-30R - 30 AMP, 250 VOLT, 2 POLE, 3 WIRE TWIST LOCK RECEPTACLE
	GROUND BAR WITH INSULATED #6 CONNECTED TO GROUND IN ELECTRICAL ENTRANCE ROOM

## ELECTRICAL LOCATION DESIGNATORS

D - DEDICATED CIRCUIT  
GF - CONNECTED TO GROUND FAULT CIRCUIT BREAKER  
GFI - WITH INTEGRAL GROUND FAULT INTERRUPTER  
IG - ISOLATED GROUND

## OUTLET LOCATION DESIGNATORS

C - MOUNT 6" ABOVE COUNTER TOP BACK SPLASH  
ETR - EXISTING TO REMAIN  
N - NEW  
R - RELOCATE  
X - REMOVE

## LEGEND NOTES

1. THIS SHEET IS A GENERAL LIST OF SYMBOLS AND SHALL BE USED AS A REFERENCE TO DEFINE ITEMS INDICATED ON THE DRAWINGS. NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT.

# CROCKFORDS - RESORTS WORLD CATSKILLS

**888 resorts World Dr  
Monticello, NY 12701**

JCI ARCHITECTURE

120 HUYSHOPE AVENUE  
SUITE 400  
HARTFORD, CT 06106  
860.247.9226

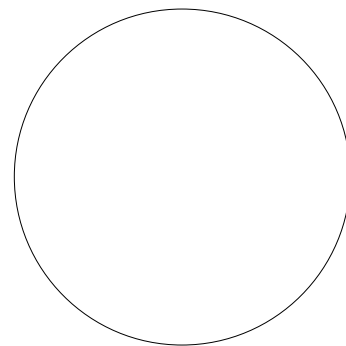
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BIDDING &  
CONSTRUCTION  
07/06/2022



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JOB      30860.00

DRAWN TM

SCALE 12" = 1'-0"

REVISIONS

## TELECOM - LEGEND

# TC-001