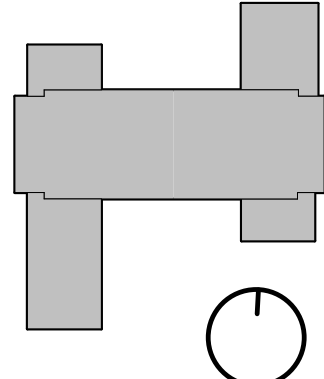


SYMBOL	DESCRIPTION	NOTES
TELECOMMUNICATIONS SYMBOLS		
	STANDARD WALL MOUNTED TELECOMM 2 DATA OUTLET (2) TWO CAT 6A JACKS UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS
	STANDARD WALL MOUNTED TELECOMM WALLPHONE OUTLET (1) ONE CAT 6A JACK UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS OUTLET MOUNTED 4" AFF. E.G. TO PROVIDE 1 1/4" CONDUIT FROM THE FLOOR BOX TO THE NEAREST ACCESSIBLE CEILING. 1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS AV = (2) CAT 6A JACKS
	STANDARD TELECOMM FLOOR MOUNTED (2) TWO DATA OUTLET (2) TWO CAT 6A JACKS UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS AV = (2) CAT 6A JACKS
	STANDARD CEILING MOUNTED TELECOMM 2 DATA OUTLET (2) TWO CAT 6A JACKS FOR PROJECTOR	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS AV = (2) CAT 6A JACKS
	STANDARD CEILING MOUNTED TELECOMM 2 DATA OUTLET (2) TWO CAT 6A JACKS FOR CEILING CONTROL PANEL	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS AV = (2) CAT 6A JACKS
	TELECOMMUNICATIONS LADDER RACK SUPPORT SYSTEM	
	ROUTING OF MULTIPLE OR INDIVIDUAL TELECOMM CABLES TO WORKSTATION OUTLETS ON THIS FLOOR	
	ROUTING OF MULTIPLE OR INDIVIDUAL TELECOMM CABLES IN THE CEILING OF FLOOR BELOW	
	FLOOR MOUNTED 2" TELECOMM POKE-THRU	
	POWER POLES	
AV SYMBOLS		
	(2) CAT6A DATA JACKS FOR AV USE UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	FIELD COORDINATE MOUNTING HEIGHT WITH AV CONTRACTOR AND EC
	(1) CAT6A DATA JACK FOR ROOM SCHEDULING PANEL ON GLAZING UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS
	(1) CAT6A DATA JACK FOR ROOM SCHEDULING PANEL ON WALL UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS
	(1) CAT6A DATA JACK FOR ROOM SCHEDULING PANEL ON WALL UNLESS OTHERWISE NOTED 'X' INDICATED NUMBER OF DATA JACKS	1- DESIGNATES 1 DATA OUTLET 2- DESIGNATES 2 DATA OUTLETS 3- DESIGNATES 3 DATA OUTLETS 4- DESIGNATES 4 DATA OUTLETS 5- DESIGNATES 5 DATA OUTLETS 6- DESIGNATES 6 DATA OUTLETS
ELECTRICAL SYMBOLS		
	PULL BOX OR JUNCTION BOX WALL MOUNTED	
	PULL BOX OR JUNCTION BOX MOUNTED AT CEILING	
	PLUG MOLD OUTLET STRIP	
	PULL BOX OR JUNCTION BOX LARGE CUSTOM FABRICATED TYPE	
	CONDUIT BANK	
	CONDUIT BANK STUBBED UP	
	CONDUIT BANK STUBBED DOWN	
	CONDUIT BANK OFFSET WITHIN SAME LEVEL	
	CONDUIT BANK TERMINATED	
	CONDUIT TURNED DOWN	
	CONDUIT TURNED UP	
	CONDUIT ROUTED IN FLOOR	
	CONDUIT THROUGH WALL WITH BUSHED ENDS	
	SLEEVE THROUGH WALL WITH BUSHED ENDS	
TAG SYMBOLS		
	TELECOMMUNICATIONS OUTLET IDENTIFICATION TAG	UNIQUE JACK IDENTIFIER JACK IDENTIFIER (T - TELEPHONE) (D - DATA) (V - VIDEO)
	STANDARD DETAIL NO. DESIGNATION	DETAIL NO.
	STANDARD REVISION TAG	REVISION NO.
	STANDARD REVISION BUBBLE	
	INDEXING SYMBOL	HEXAGONAL SYMBOLS CONTAINING ARABIC NUMERALS ONLY INDICATE REFERENCE TO AN EXPLANATION OF TELECOMM WORK REQUIREMENTS.
	ELEV. TAG	

SYMBOL	DESCRIPTION	NOTES
GENERAL WORK NOTES FOR TELECOMM ROOM		
1.	CONTRACTOR TO FIRESTOP AND SEAL AROUND WALL PENETRATIONS AND INSIDE CONDUIT TO MAINTAIN FIRE RATING AND PREVENT AIR FLOW (TYP.)	
2.	MAINTAIN A MINIMUM OF 12" CLEARANCE ABOVE THE EQUIPMENT RACKS.	
3.	ALL ELECTRICAL RECEPTACLES, CONDUITS, AND SLEEVES ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.	
4.	NO NON-TELECOMMUNICATIONS RELATED EQUIPMENT SHALL BE LOCATED IN THE TELECOMMUNICATIONS ROOMS (TR). ANY OTHER SYSTEMS EQUIPMENT THAT IS PLANNED TO BE LOCATED IN THESE SPACES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE URI TELECOMMUNICATIONS REPRESENTATIVE.	
5.	REFER TO TC-SERIES PART PLAN FOR ADDITIONAL INFORMATION.	
6.	EACH EQUIPMENT RACKCABINET SHALL HAVE (1) QUAD RECEPTACLE ON DEDICATED CIRCUIT AND (2) I6-20 RECEPTACLES PROVIDED BY E.C.	
HORIZONTAL CABLE NOTES		
1.	VOICE HORIZONTAL CABLES INTENDED FOR FAXES, BLUE LIGHTS, MECHANICAL ROOMS AND ELEVATORS SHALL BE TERMINATED ON SEPARATE PATCH PANEL. IN THE REAR AND LABELED ACCORDINGLY. ALL VOICE CABLES INTENDED FOR THE PHONES SHALL BE TERMINATED ON 48-PORT PATCH PANELS. SEPARATE PATCH PANELS FROM THE DATA CABLES. CONFIRM THE INTENDED PURPOSE FOR ALL THE VOICE DROPS WITH URI TELECOMMUNICATIONS REPRESENTATIVE PRIOR TO INSTALLATION.	
2.	ALL CABLES SHALL BE LABELED AT BOTH ENDS, 6" FROM THE POINT OF TERMINATION.	
3.	T.C. TO PROVIDE 1/2" OF CABLE SLACK FOR EACH TELECOMM CABLE AT THE WORKSTATION END. PROVIDE 20" OF CABLE SLACK FOR WIRELESS ACCESS POINTS. TERMINATE WAP CABLES ON DEDICATED PATCH PANEL.	
4.	ALL VOICE AND DATA HORIZONTAL CABLES SHALL BE FLENUM RATED.	
5.	FOR ALL WIRELESS ACCESS POINTS, TC TO MOUNT WAP BRACKET AND WAP (BOTH OWNER PROVIDED). FIELD COORDINATE EXACT WAP LOCATIONS WITH URI PRIOR TO INSTALLATION.	
6.	TC TO PROVIDE DATA CABLE WIRING FOR CCTV CAMERAS. TERMINATE CCTV CABLES ON PATCH PANEL, DEDICATED TO WAP & CCTV. REFER TO ELECTRICAL DRAWINGS FOR SECURITY INFORMATION.	
7.	ALL DATA CABLES SHALL BE BLUE IN COLOR UNLESS OTHERWISE NOTED. JACK COLORS FOR THE WORKSTATION AND PATCH PANELS SHALL BE AS FOLLOWS: - RED = WIRELESS - GREEN = CAMERAS - BLACK = WALL PHONES/ELEVATORS - BLUE = LAN	
JUNCTION BOX AND CONDUIT NOTES		
1.	A PULL BOX SHALL BE PROVIDED WHERE THE SUM OF THE BENDS EXCEEDS 180° AND OR 100" IN LENGTH.	
2.	THE BEND RADIUS FOR TELECOMMUNICATIONS CONDUITS SHALL BE 10 TO 15 TIMES THE DIAMETER OF THE CONDUIT.	
3.	JUNCTION BOXES FOR TELECOMMUNICATIONS CABLING SHALL HAVE TAMPER PROOF SCREWS.	
4.	INCLUDE ALL REQUIRED JUNCTION AND PULL BOXES REGARDLESS OF THE INDICATIONS ON THE DRAWINGS (WHICH DUE TO SYMBOLIC METHODS OF NOTATION, MAY OMIT TO SHOW SOME OF THEM).	
5.	PULL BOX AND JUNCTION BOXES SIZE SHOWN FOR COORDINATION PURPOSES ONLY. THE CONTRACTOR TO SIZE THE PULL BOXES AND JUNCTION BOXES IN ACCORDANCE WITH THE FIELD CONDITIONS AND APPROVED STANDARDS (USE ANSI/NETA/73A-2008 SECTION 5.2.3 GUIDELINES).	
6.	ALL EMPTY CONDUITS ARE TO BE PROVIDED WITH A MINIMUM OF (2) NYLON DRAG CORDS, AND FITTED WITH BUSHED ENDS.	
7.	ALL PULL BOXES AND JUNCTION BOXES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.	
8.	PROVIDE (1) 1 1/2" CONDUIT FROM EACH TELECOMM OUTLET TO THE NEAREST ACCESSIBLE CEILING OR CABLE TRAY. PROVIDE A DOUBLE GANG BACK BOX WITH A SINGLE GANG REDUCER BRACKET FOR EACH TELECOMM OUTLET LOCATION. FOR EACH WAP PROVIDE 2 PORT SURFACE MOUNTED BISCUIT BOX.	
SPECIAL SYMBOLS		
CERTAIN SYMBOLS SHOWN IN THE SYMBOL LIST DO NOT APPEAR ELSEWHERE IN THE DRAWINGS (SUCH SYMBOLS ARE INCLUDED TO PERMIT INTERPRETATIONS TO BE MADE IN THE EVENT OF DESIGN CHANGES) FOR THE REASON THE SCOPE OF THE WORK IS TO BE DETERMINED ONLY FROM DRAWINGS OTHER THAN THE SYMBOL LIST.		

GENERAL NOTES	
1.	ALL LOCATIONS IDENTIFIED WITH A TELECOMMUNICATIONS OUTLET IDENTIFICATION TAG SHALL BE PROVIDED WITH THE APPROPRIATE CABLING AS INDICATED.
2.	CABLES ROUTED IN THE CEILING SPACES MUST UTILIZE J-HOOKS, BE BUNDLED AND TIE-WRAPPED USING APPROVED VELCRO TIE-WRAPS AS PER SPECIFICATION SECTION 271000. NON-VELCRO TIE WRAPS ARE UNACCEPTABLE.
3.	WORKSTATION CABLING SHALL BE RUN FROM OUTLETS IN 1 1/4" CONDUIT TO ACCESSIBLE CEILING SPACE. EACH CONDUIT SHALL BE FITTED WITH A PLASTIC BUSHING.
4.	FLOOR BOXES CONDUITS USED TO FEED TELECOMM WORKSTATIONS IN INACCESSIBLE CEILING AREAS SHALL BE EXTENDED TO THE ACCESSIBLE CEILING SPACE ON THE SAME FLOOR.
5.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES.
6.	ALL CONDUITS, SLEEVES, BACKBOXES, ETC. FOR THE COMMUNICATIONS WORK SHALL BE PROVIDED BY AND COORDINATED WITH ELECTRICAL CONTRACTOR.
7.	ALL EMPTY CONDUITS ARE TO BE PROVIDED WITH A MINIMUM OF (2) NYLON DRAG CORDS, AND FITTED WITH BUSHED ENDS.
8.	THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY DISCREPANCIES THAT ARISE DURING THE SITE VISIT AND SHALL REQUEST CLARIFICATION, IF NECESSARY.
9.	THE DRAWINGS FOR COMMUNICATIONS WORK SHALL UTILIZE SYMBOLS AND SCHEMATIC DIAGRAMS WHICH HAVE NO DIMENSIONAL SIGNIFICANCE. THE WORK SHALL, THEREFORE, BE INSTALLED TO FULFILL THE DIAGRAMMATIC INTENT EXPRESSED ON THE COMMUNICATIONS DRAWINGS, BUT IN CONFORMITY WITH THE DIMENSIONS INDICATED ON THE FINAL WORKING DRAWINGS, FIELD LAYOUTS AND SHOP DRAWINGS OF ALL TRADES.
10.	CERTAIN DETAILS APPEAR ON THE DRAWINGS FOR COMMUNICATIONS WORK WHICH ARE SPECIFIC WITH REGARD TO THE DIMENSIONING AND POSITIONING OF THE WORK. THESE ARE INTENDED ONLY FOR GENERAL INFORMATION PURPOSES. THEY DO NOT OBTAIN FIELD COORDINATION FOR INDIVIDUAL ITEMS OF THE INDICATED WORK.
11.	IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO PROVIDE A COMPLETE OPERATING COMMUNICATIONS SYSTEM. ALL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND THE T.C. IS RESPONSIBLE FOR ALL QUANTITIES INCLUDING FUTURE GROWTH. ALL WORK NECESSARY TO PROVIDE SUCH A SYSTEM SHALL BE PERFORMED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
12.	ALL VOICE, VIDEO, AND DATA SYSTEMS ASSOCIATED WITH THIS PROJECT SHALL REMAIN OPERATIONAL AT ALL TIMES AND WILL NOT BE TAKEN OFF-LINE. ANY DISRUPTION OF THESE SERVICES SHALL BE BROUGHT TO THE ATTENTION OF THE URI TELECOMMUNICATIONS DEPARTMENT ENGINEER, AND GENERAL CONTRACTOR PRIOR TO THE WORK BEING PERFORMED.
13.	T.C. TO REFER TO ELECTRICAL AND AV DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATION.
14.	REGARDLESS OF THE INDICATION OF THE DRAWINGS THE CONTRACTOR SHALL PROVIDE ONE WALL MOUNTED TELEPHONE OUTLET FOR EACH ELEVATOR MACHINE ROOM (EMR). IN ADDITION, ONE OUTLET SHALL BE PROVIDED FOR EACH ELEVATOR SERVED BY THAT PARTICULAR EMR. THE CABLING SHALL RUN TO THE CLOSEST IDF CLOSET.
15.	REGARDLESS OF THE INDICATION OF THE DRAWINGS THE CONTRACTOR SHALL PROVIDE ONE WALL MOUNTED TELEPHONE OUTLET FOR EACH FIRE ALARM CLOSET.
16.	REGARDLESS OF THE INDICATION OF THE DRAWINGS THE CONTRACTOR SHALL PROVIDE ONE WALL MOUNTED VOICE OUTLET FOR EACH ELECTRICAL, MECHANICAL, AND PLUMBING METER. (2) TWO DATA DROPS FOR THE BMS SYSTEM. THE CABLING SHALL BE RUN TO THE NEAREST IDF CLOSET.
DEMO NOTES	
OUTLET TYPE DESCRIPTION	

ABBREVIATIONS			
(THIS LIST OF ABBREVIATIONS DOES NOT APPLY TO ANY LETTERS USED IN CONJUNCTION WITH SYMBOLS)			
A	AMPS	ISP	INTERNET SERVICE PROVIDER
AC	ALTERNATING CURRENT	JBO	JUNCTION BOX
ADJ	ADJACENT	JEC	LOCAL EXCHANGE CARRIER
APF	ABOVE FINISHED FLOOR	LS	LOADS/PANER
APB	ABOVE FINISHED GRADE	LTD	LIGHT
AIR COND	AIR CONDITIONING	MA	MALAMPS
ARCH	ARCHITECTURAL	MAX	MAXIMUM
ASYM	ASYMMETRICAL	MC	MAIN CROSS-CONNECT
AUTO	AUTOMATIC	MD	MAIN DISTRIBUTION FRAME
AV	AUDIOVISUAL	MEF	MECHANICAL
AVG	AVERAGE	MECH	MECHANICAL
AWG	AMERICAN WIRE GAUGE	MEP	MECHANICAL/ELECTRICAL/PLUMBING
BL	BLANK	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
C	CENTER LINE	MTD	MOUNTED
CAT	CATEGORY	NA	NOT APPLICABLE
CATV	CABLE TELEVISION	NEC	NATIONAL ELECTRIC CODE
CCTV	CLOSED CIRCUIT TELEVISION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
CKT	CIRCUIT	NL	ON NIGHT LIGHTING CIRCUIT
CLO	CLOSET	Nb	NUMBER
CM	CIRCULAR MIL	NTS	NOT TO SCALE
COAX	COAXIAL CABLE	OD	OUTSIDE DIAMETER
COL	COLUMN	PB	PBUS/BRANCH EXCHANGE
CONC	CONCRETE	PBX	POWER CONDITIONING UNIT
COND	CONDUIT	PCU	POWER DISTRIBUTION UNIT
CONST	CONSTRUCTION	PG	PAGING
CONT	CONTINUOUS	PH	PHASE
CONV	CONVENIENCE	PLB	PLUMBING
CU	CUBIC	PNL	PANEL
DC	DIRECT CURRENT	PWR	POWER
DIA	DIAMETER	RECP	RECEPTACLE
DN	DOWN	REQ	REQUIRED
DTL	DETAIL	RM	ROOM
DWG	DRAWING	RMS	RACK MOUNT SPACES
EA	EACH	SEC	SECURITY
EC	ELECTRICAL CONTRACTOR	SEP	SEPARATE
EF	ENTRANCE FACILITY	SO	SOUTH
EW/TA	ELECTRONIC INDUSTRIES ASSOCIATION TELECOMMUNICATIONS INDUSTRIES ASSOCIATION	SPECs	SPECIFICATIONS
EL	ELEVATION	SPLR	SPEAKER
ELEC	ELECTRIC	STA	STATION
ELEV	ELEVATOR	STD	STANDARD
EM	ON EMERGENCY CIRCUIT	STP	SHIELDED TWISTED PAIR
EG	EQUAL	SURF	SURFACE
EQUIP	EQUIPMENT	SYM	SYMMETRICAL
EXIST	EXISTING	TC	TELECOMM CONTRACTOR
F	FLOOR	TEL	TELEPHONE
FA	FIRE ALARM	TERM	TERMINATION
FN	FINISH	TELO	TELEPHONE CO.
F.O.	FIBER OPTIC	TV	TELEVISION
FT	FEET	TYP	TYPICAL
GA	GAUGE	UPD	UNDER FLOOR DUCT
GC	GENERAL CONTRACTOR	UNL	UNLESS OTHERWISE NOTED
GD	GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
HE	HANG BEILING	UTP	UNSHIELDED TWISTED PAIR
HGT	HEIGHT	VOLTS	VOLTS
HOR	HORIZONTAL	VA	VOLTAMPERES
HTG	HEATING	VENT	VENTILATING
HVAC	HEATING VENTILATING AND AIR CONDITIONING	VERT	VERTICAL
ID	IDENTIFICATION	WI	WATTS
IDF	INTERMEDIATE DISTRIBUTION FRAME	W/O	WITHOUT
IN	INCHES	WE	WEST
INT	INTERCOM	WKSTA	WORKSTATION
		YD	YARD
DRAWING LIST			
DWG No.	DRAWING NAME		
TC001	TELECOMM SYMBOL LIST		
TC100	LOWER FLOOR PLAN OVERALL		
TC101	FIRST FLOOR PLAN OVERALL		
TC102	SECOND FLOOR PLAN OVERALL		
TC103	THIRD FLOOR PLAN OVERALL		
TC104	FOURTH FLOOR PLAN OVERALL		
TC105	MECHANICAL FLOOR PLAN OVERALL		
TC100.2	LOWER LEVEL TELECOMM PLAN PART 2		
TC100.3	LOWER LEVEL TELECOMM PLAN PART 3		
TC100.4	LOWER LEVEL TELECOMM PLAN PART 4		
TC100.6	LOWER LEVEL TELECOMM PLAN PART 6		
TC101.1	FIRST FLOOR TELECOMM PLAN PART 1		
TC101.2	FIRST FLOOR TELECOMM PLAN PART 2		
TC101.3	FIRST FLOOR TELECOMM PLAN PART 3		
TC101.4	FIRST FLOOR TELECOMM PLAN PART 4		
TC101.5	FIRST FLOOR TELECOMM PLAN PART 5		
TC101.6	FIRST FLOOR TELECOMM PLAN PART 6		
TC102.2	SECOND FLOOR TELECOMM PLAN PART 2		
TC102.3	SECOND FLOOR TELECOMM PLAN PART 3		
TC102.4	SECOND FLOOR TELECOMM PLAN PART 4		
TC102.5	SECOND FLOOR TELECOMM PLAN PART 5		
TC103.2	THIRD FLOOR TELECOMM PLAN PART 2		
TC103.3	THIRD FLOOR TELECOMM PLAN PART 3		
TC103.4	THIRD FLOOR TELECOMM PLAN PART 4		
TC103.5	THIRD FLOOR TELECOMM PLAN PART 5		
TC104.2	FOURTH FLOOR TELECOMM PLAN PART 2		
TC104.3	FOURTH FLOOR TELECOMM PLAN PART 3		
TC104.4	FOURTH FLOOR TELECOMM PLAN PART 4		
TC104.5	FOURTH FLOOR TELECOMM PLAN PART 5		
TC200	TELECOMM PART PLANS		
TC201	TELECOMM PART PLANS		
TC301	TELECOMM RISER DIAGRAM		
TC302	TELECOMM DETAILS		



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04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

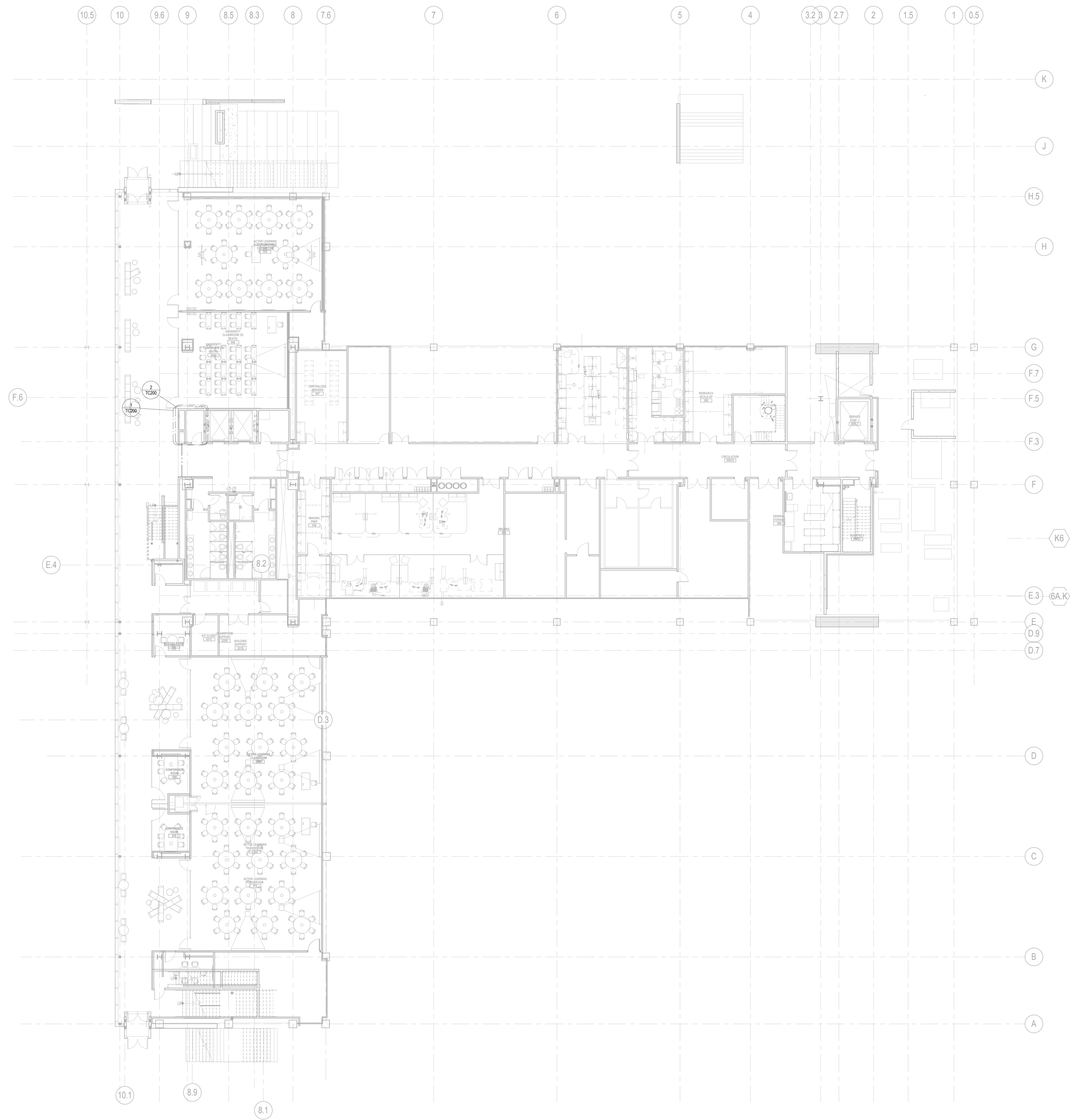
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PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

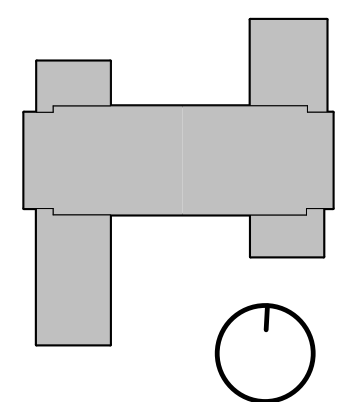
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KEYPLAN



SEAL:

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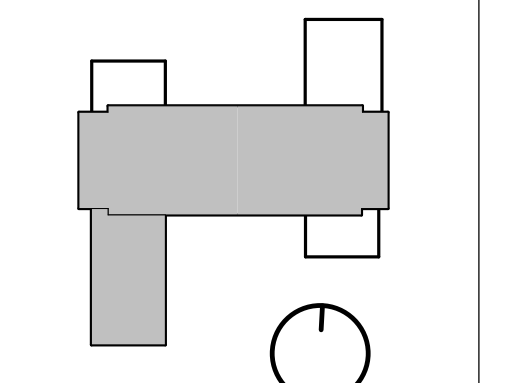
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04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
 SCALE: 3/32" = 1'-0"
TELECOMM

TITLE:
**LOWER LEVEL PLAN
 OVERALL**

NUMBER:

TC100



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02/17/17	ISSUE NO. 2

D R A W I N G I S S U E

PROJECT: 15085.00

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

TELECOMM

TITLE:

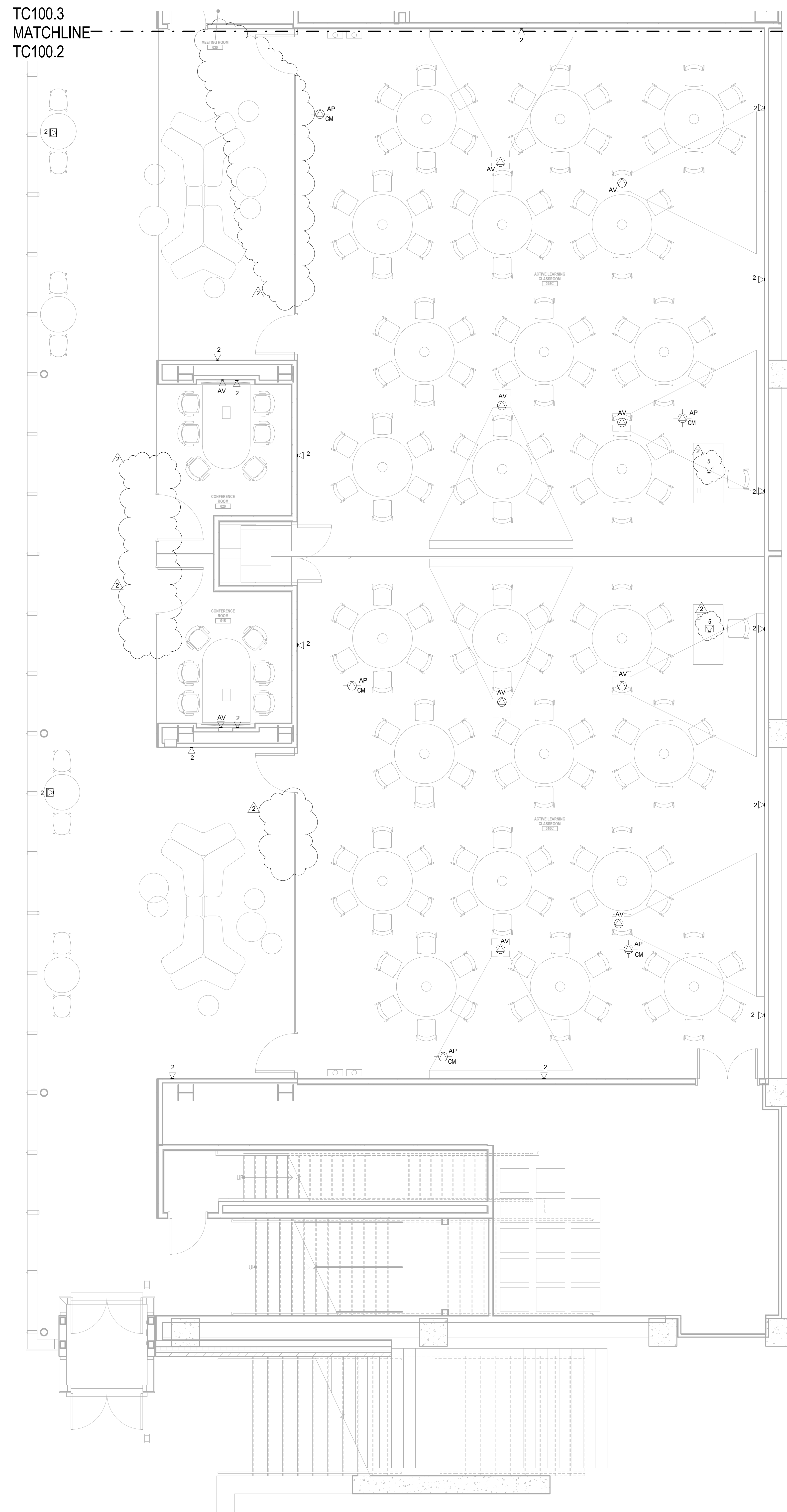
LOWER LEVEL TELECOMM PLAN PART 2

NUMBER:

TC100.2

NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO TEL/DATA 07C1.

TC100.3
 MATCHLINE
 TC100.2

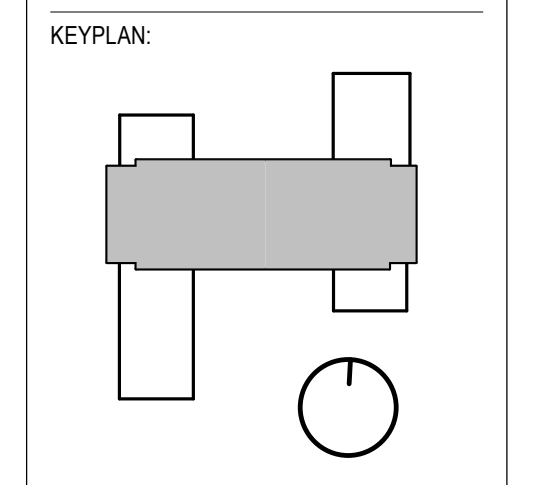


NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TELEDATA DEVICES ON THIS FLOOR TO TELEDATA 07C1.

BALLINGER

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 BALLINGER.COM

CONSULTANTS:



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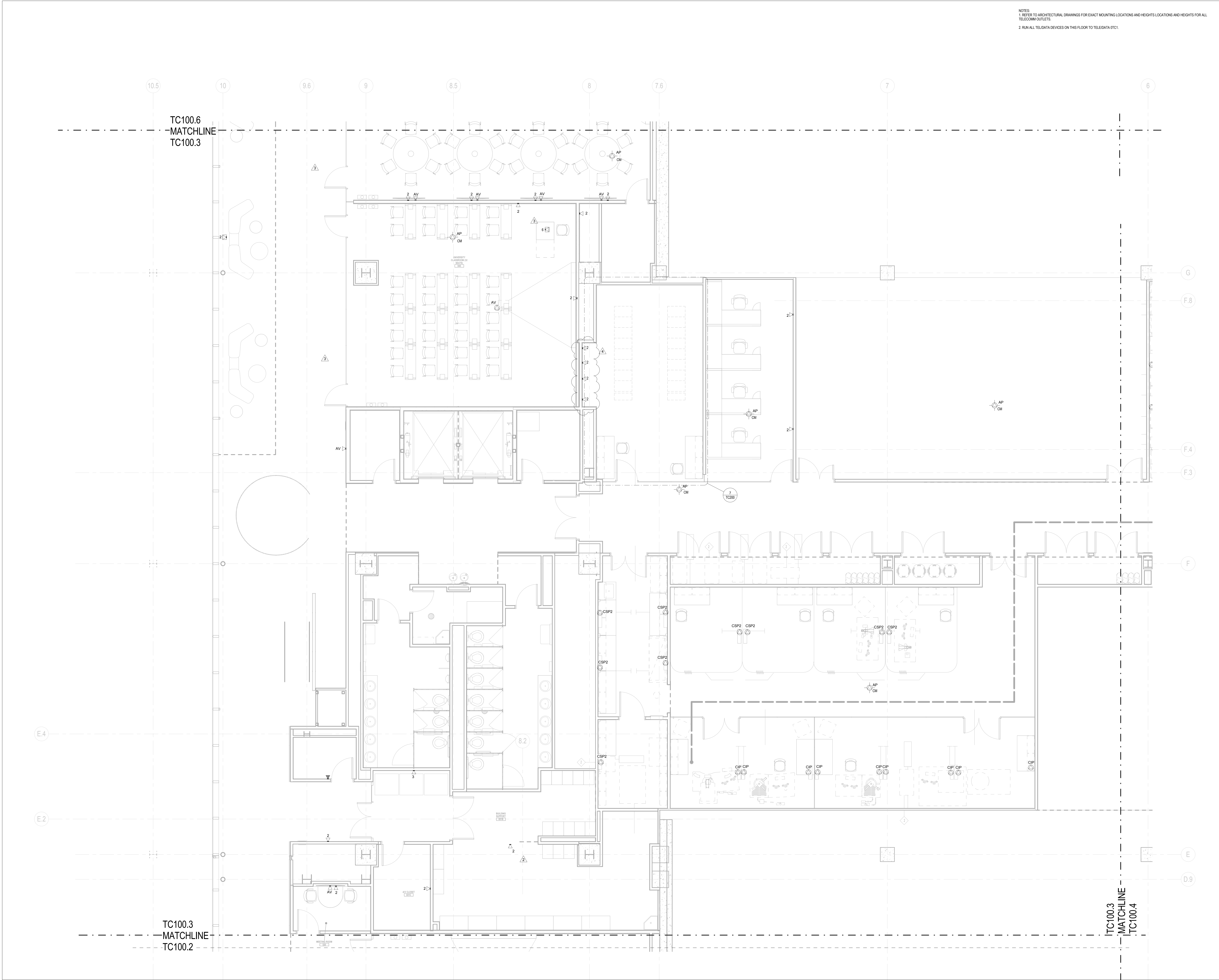
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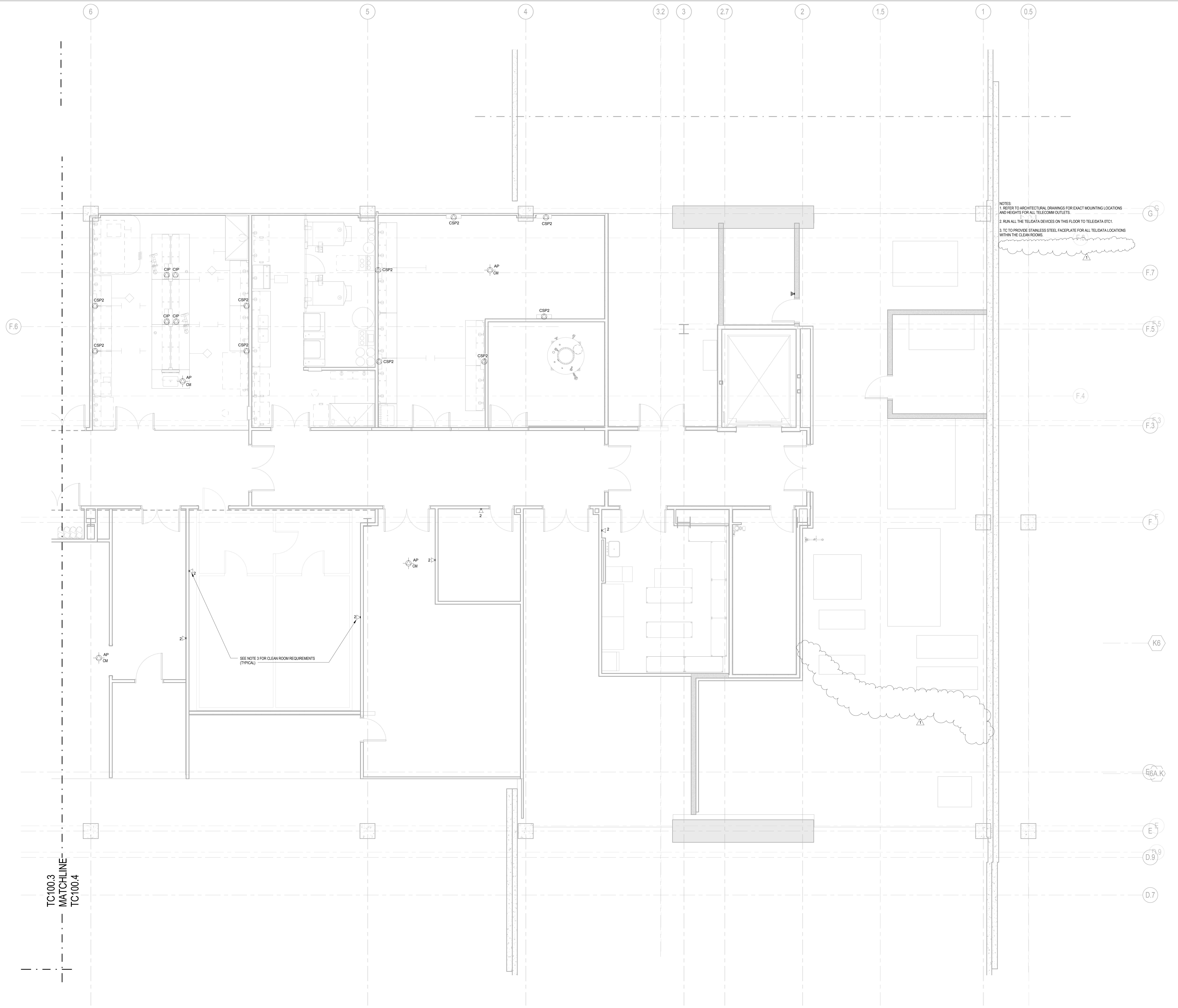
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07/07/17	100% QA/QC CDS
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3-ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2-ADD. 3
02/17/17	ISSUE NO. 2

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

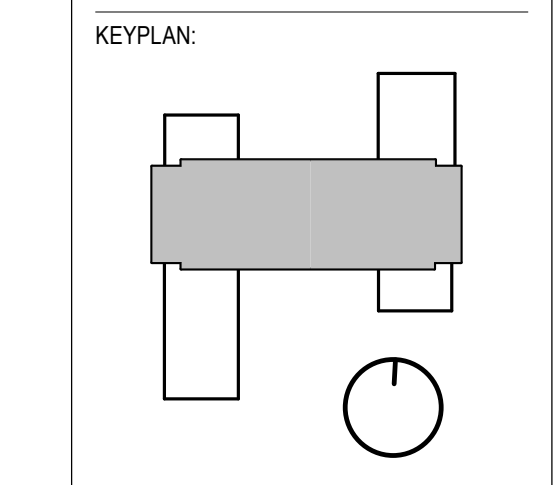
TITLE:
 LOWER LEVEL TELECOMM PLAN PART 3

NUMBER:
 TC100.3





NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL THE TELEDATA DEVICES ON THIS FLOOR TO TELEDATA 07C1.
 3. TC TO PROVIDE STAINLESS STEEL FACEPLATE FOR ALL TELEDATA LOCATIONS WITHIN THE CLEAN ROOMS.



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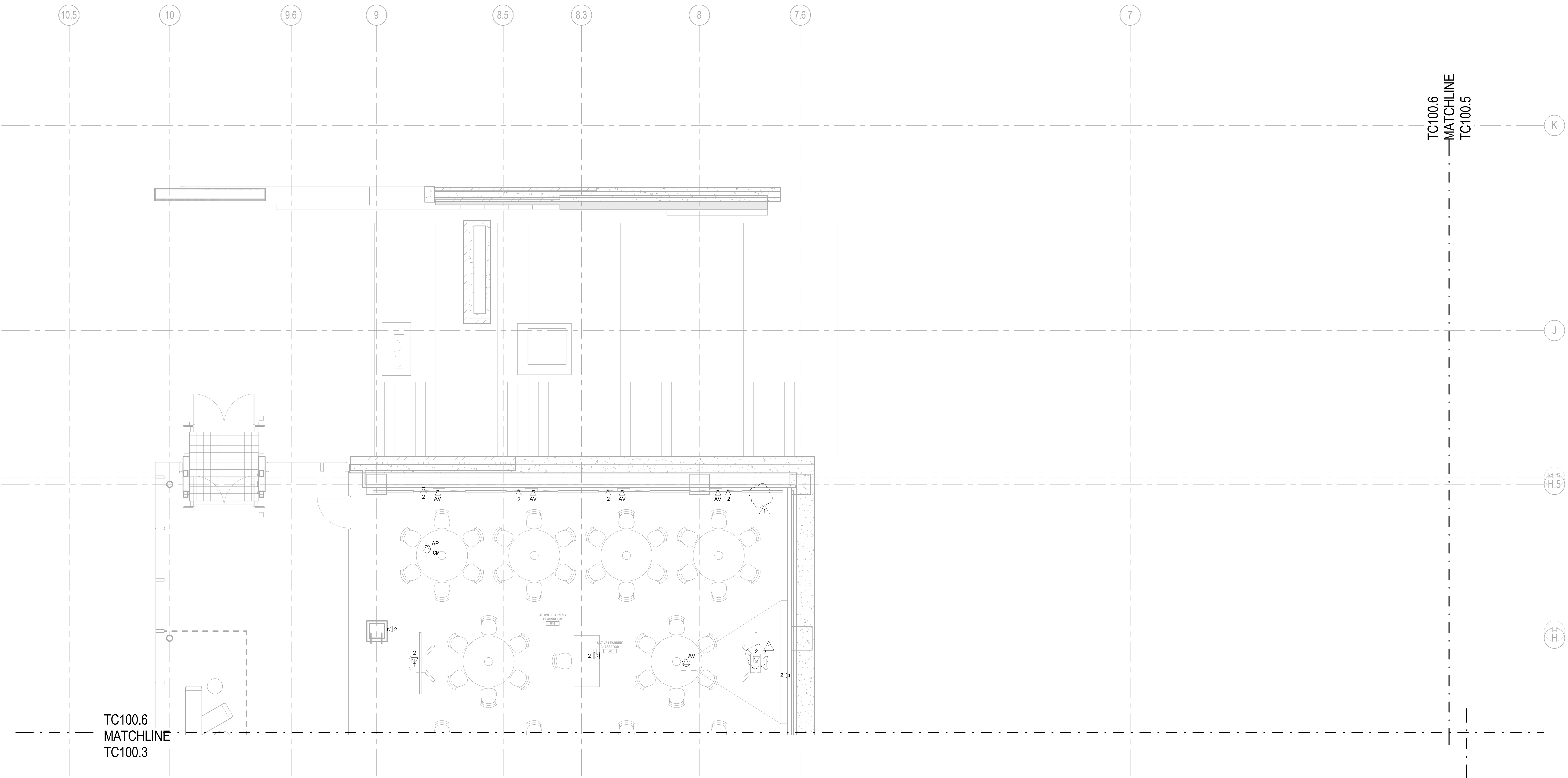
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04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

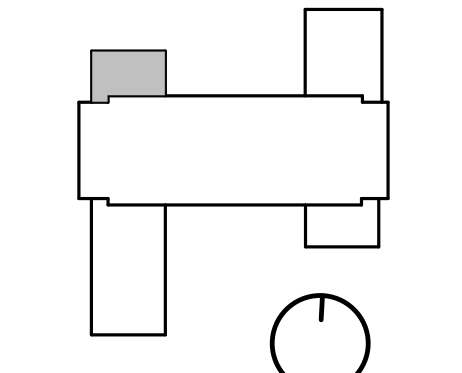
TITLE:
LOWER LEVEL TELECOMM PLAN PART 4

NUMBER:
TC100.4

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO TEL/DATA 07C1.



KEYPLAN:



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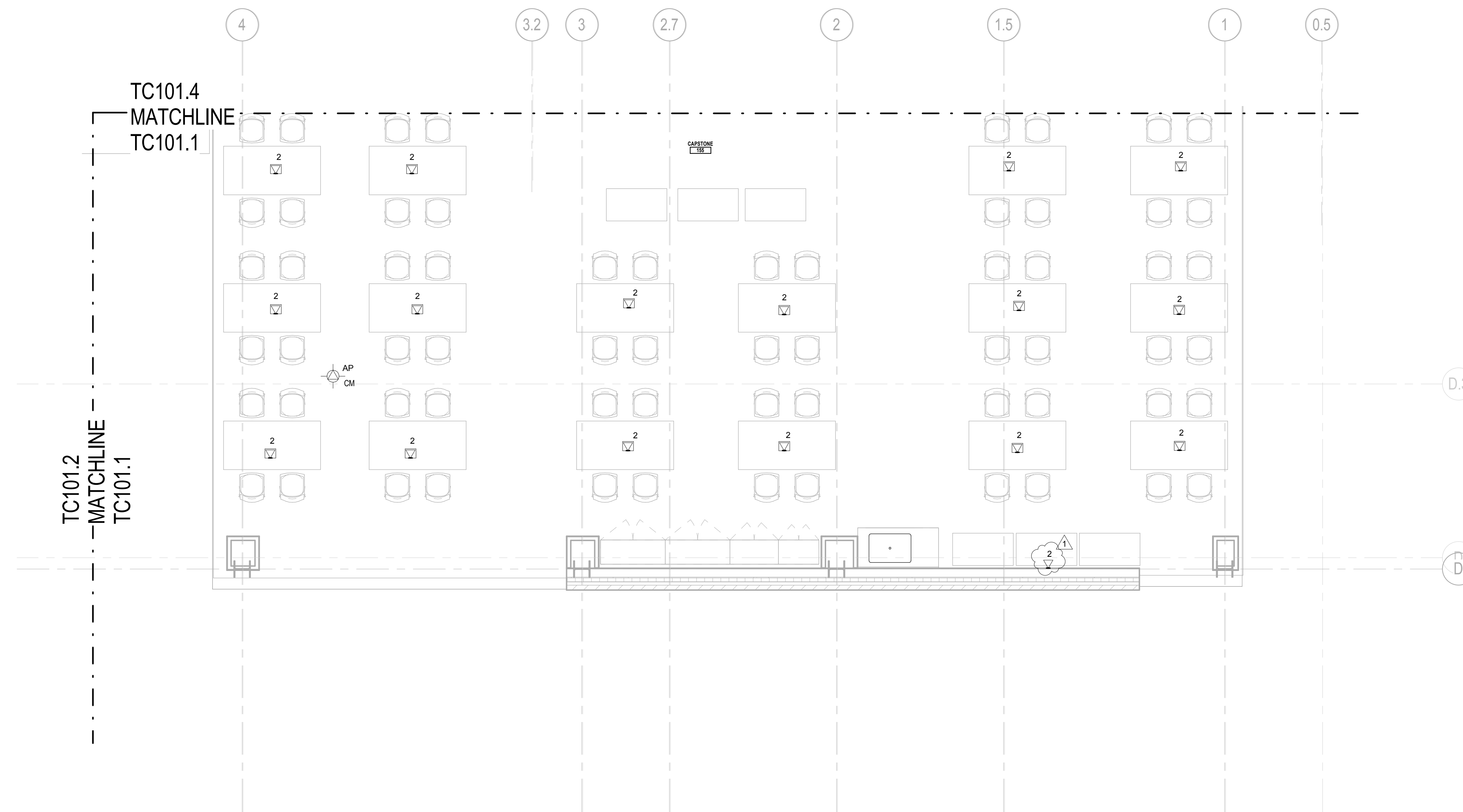
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07/31/17 ISSUE NO. 5
07/07/17 100% QAOCC CDS
04/26/17 ISSUE NO. 4
04/21/17 ISSUE NO. 3 - ADD. 1
04/07/17 ISSUE NO. 3
03/10/17 ISSUE NO. 2 - ADD. 3
02/17/17 ISSUE NO. 2
D R A W I N G I S S U E

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

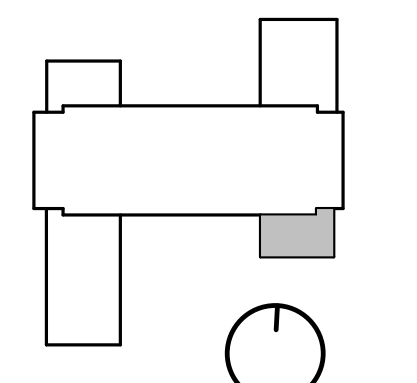
TITLE:
LOWER LEVEL TELECOMM PLAN PART 6

NUMBER:
TC100.6

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR THAT ARE ON THE RIGHT OF COLUMN LINE 4 TO BE RUN TO 1TC2.



KEYPLAN:



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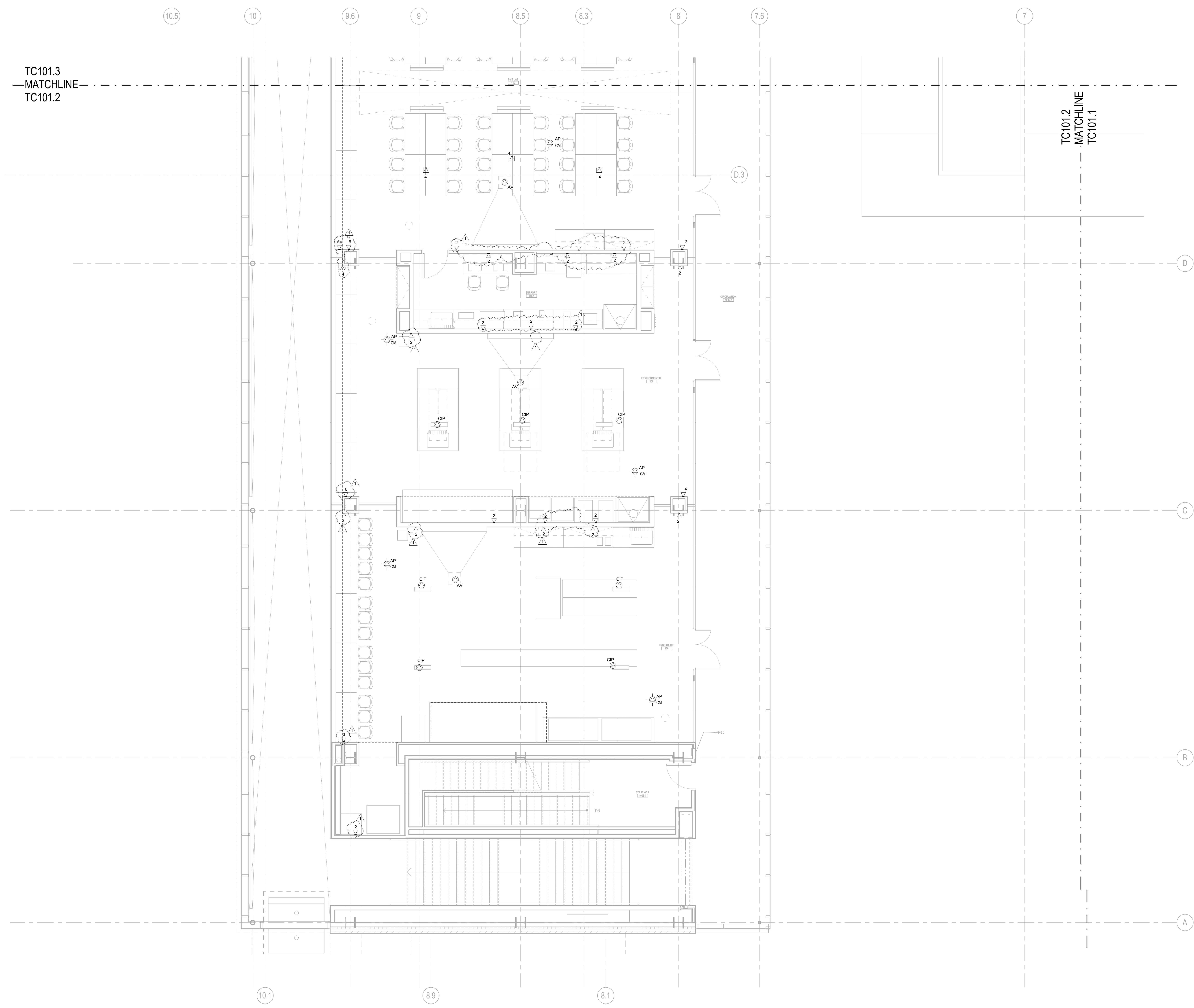
06/24/17 ISSUE NO. 6
07/31/17 ISSUE NO. 5
07/07/17 100% QA/QC CD'S
04/26/17 ISSUE NO. 4
04/21/17 ISSUE NO. 3 - ADD. 1
04/07/17 ISSUE NO. 3
03/10/17 ISSUE NO. 2 - ADD. 3
02/17/17 ISSUE NO. 2
D R A W I N G I S S U E

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

TITLE:
FIRST FLOOR
TELECOMM PLAN
PART 1

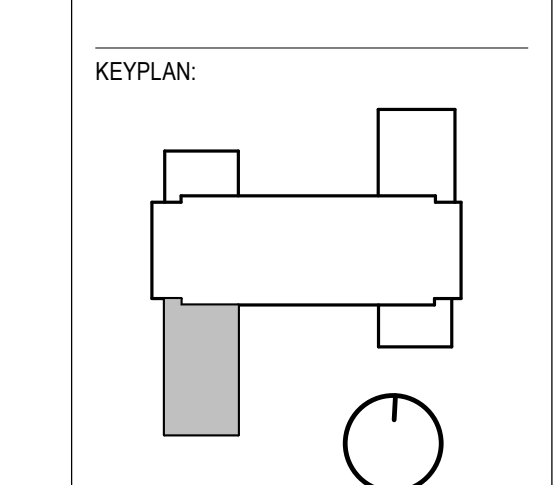
NUMBER:
TC101.1

NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.



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07/31/17	ISSUE NO. 5
07/07/17	100% QA/QC CDS
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
**FIRST FLOOR
 TELECOMM PLAN
 PART 2**

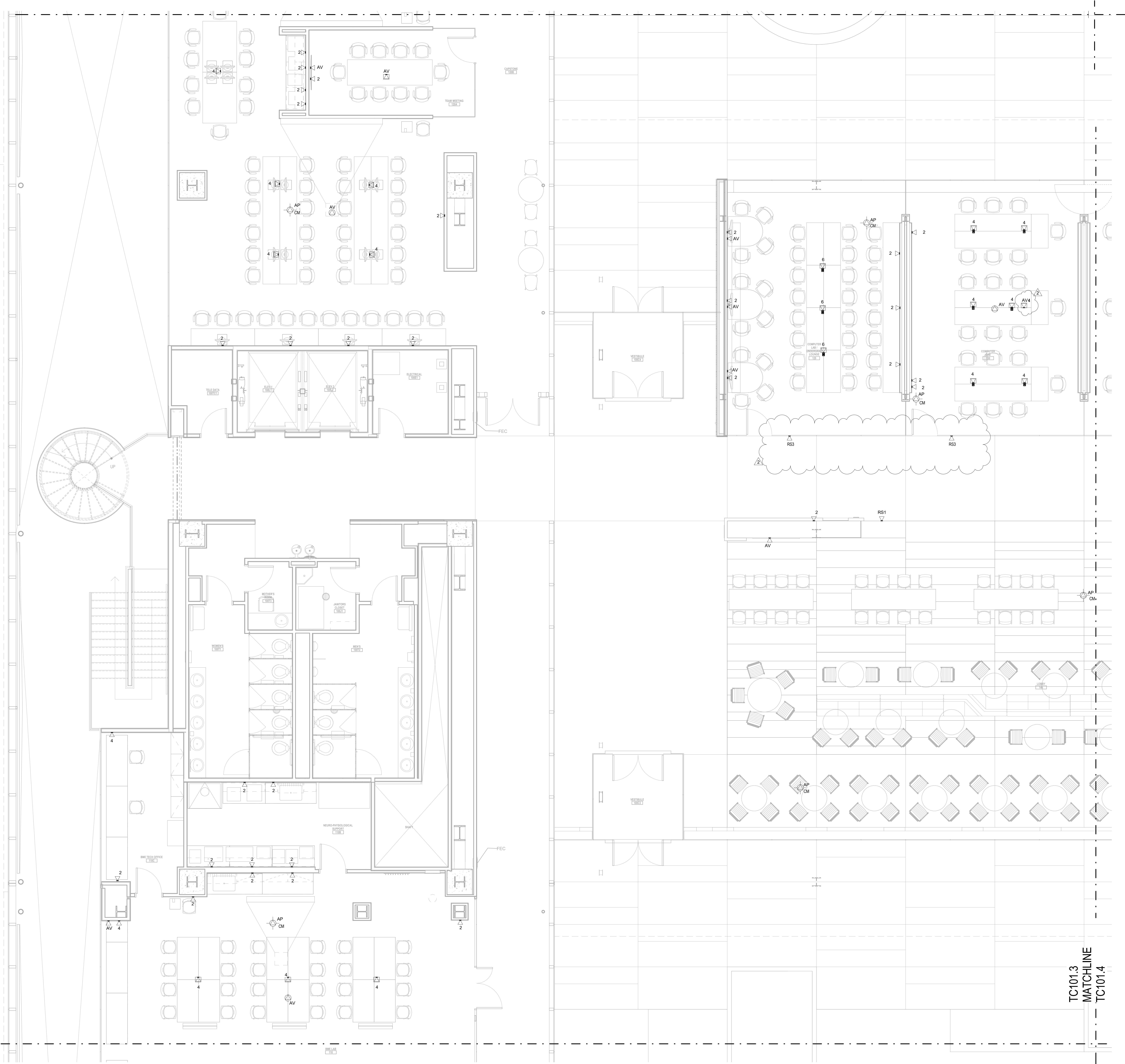
NUMBER:
TC101.2

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.

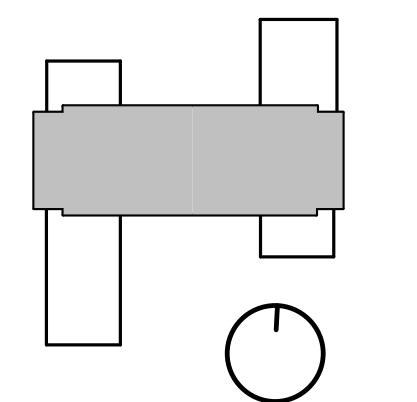
TC101.6
MATCHLINE
TC101.3

TC101.3
MATCHLINE
TC101.2

TC101.3
MATCHLINE
TC101.4



KEYPLAN



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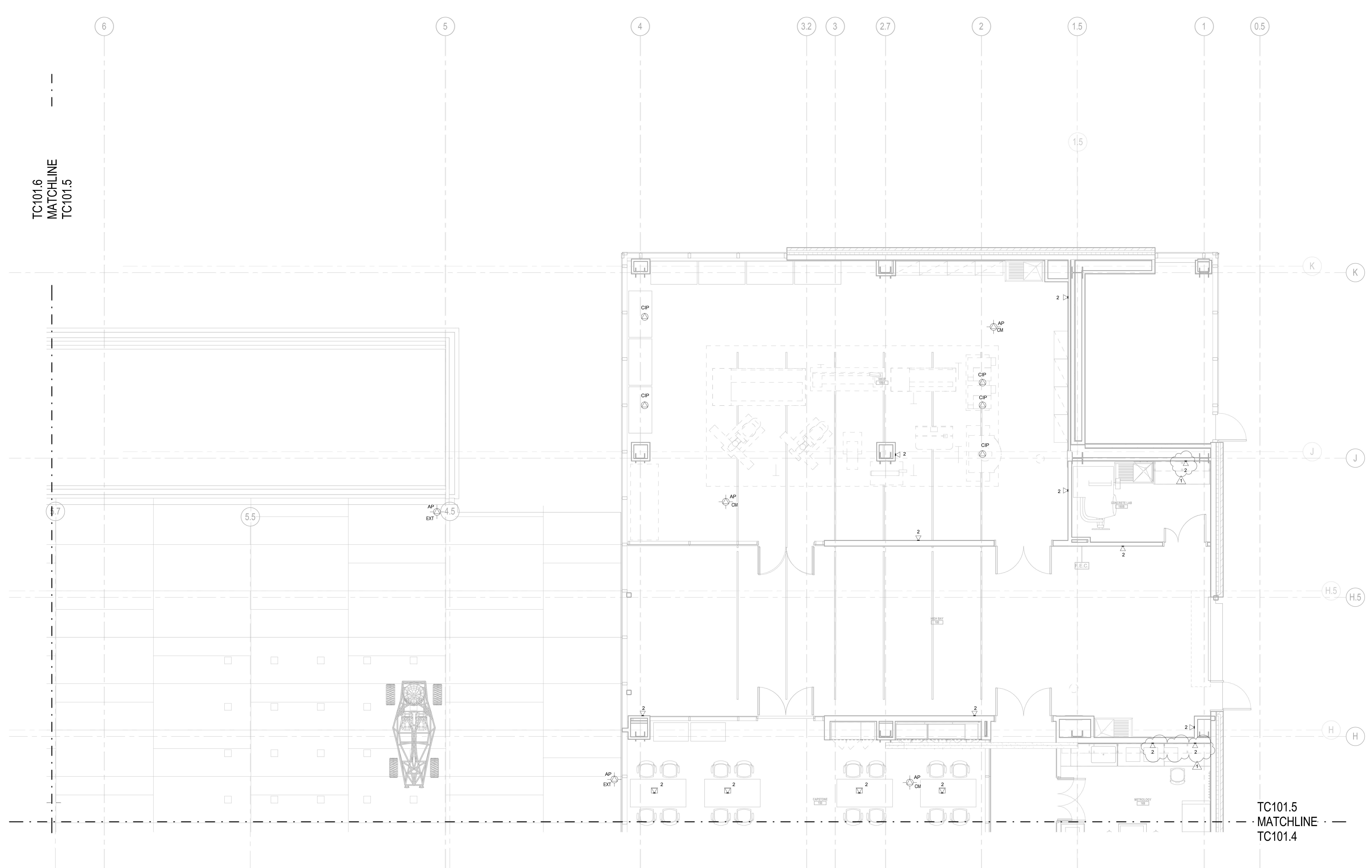
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08/24/17	ISSUE NO. 6
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07/07/17	100% QAOCC CD/S
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

TITLE:
FIRST FLOOR
TELECOMM PLAN
PART 3

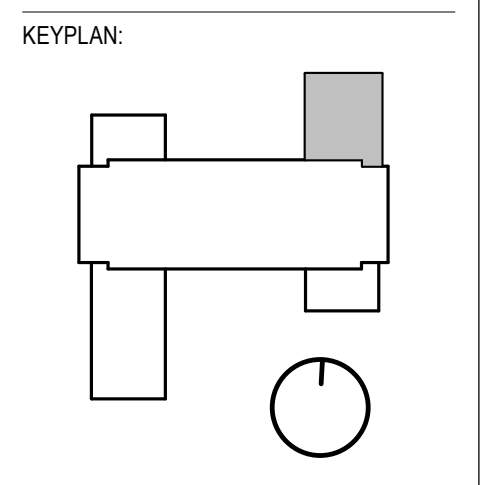
NUMBER:
TC101.3

- NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE/DATA CLOSET.
 3. FIELD COORDINATE ALL EXTERIOR WHP LOCATIONS WITH ARCHITECT AND GC. IF WHPs CANNOT BE MOUNTED TO STRUCTURE, THEN WHPs SHALL BE PLACED WITHIN PLANTERS, E.C. TO PROVIDE 3" CONDUIT TO PLANTERS. MOUNT WHPs WITHIN WEATHERPROOF ENCLOSURE (BY TC).



TC101.6
 MATCHLINE
 TC101.5

TC101.5
 MATCHLINE
 TC101.4



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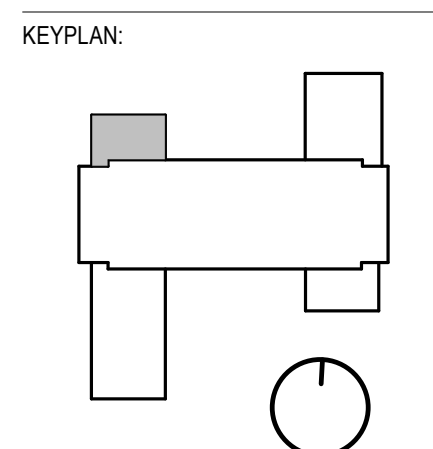
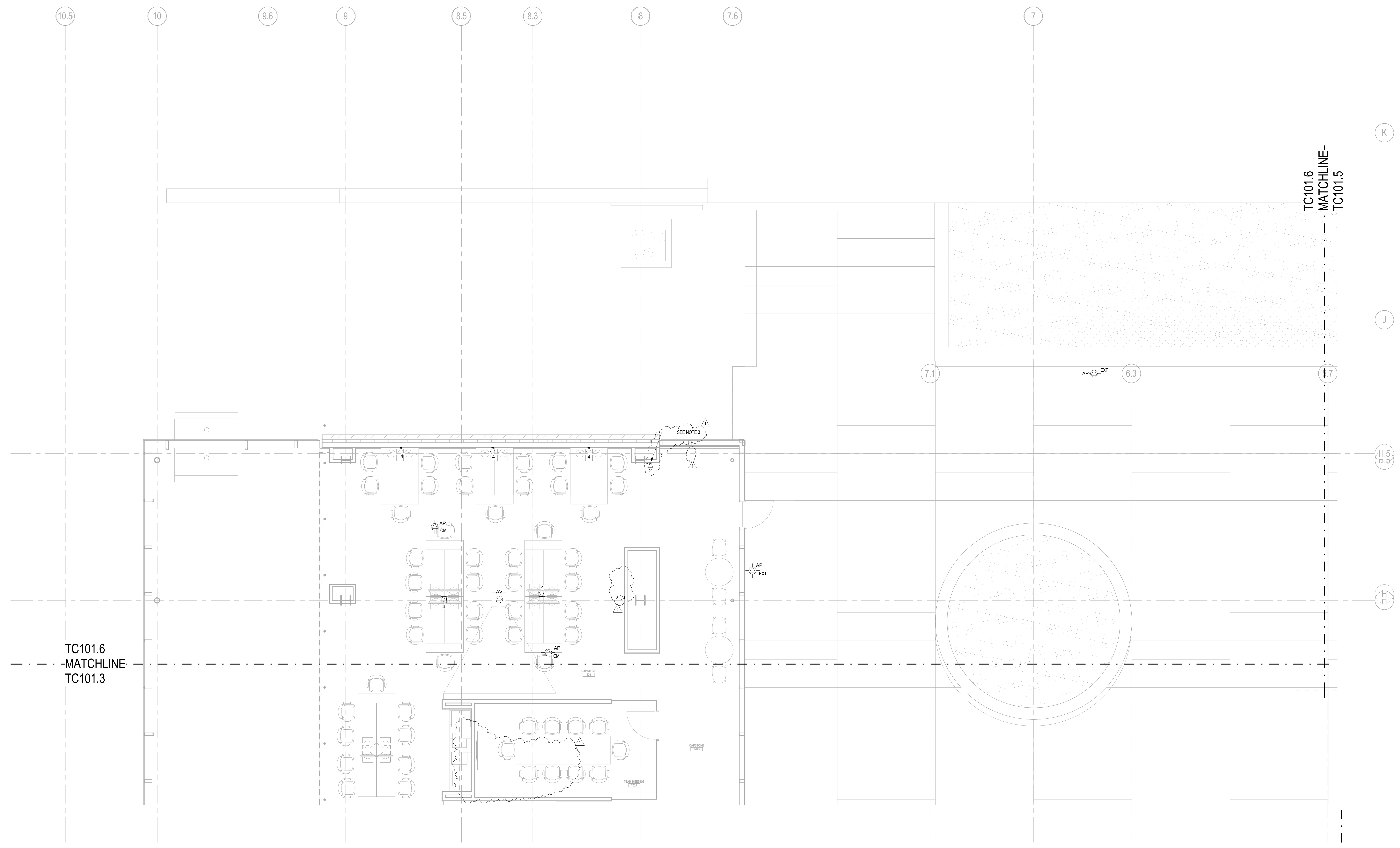
05/21/17	ISSUE NO. 6
07/31/17	ISSUE NO. 5
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04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
 FIRST FLOOR
 TELECOMM PLAN
 PART 5

NUMBER:
TC101.5

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.
3. FIELD COORDINATE EXACT LOCATION OF PRINTERS WITH OWNER AND GC.



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04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

D R A W I N G I S S U E

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

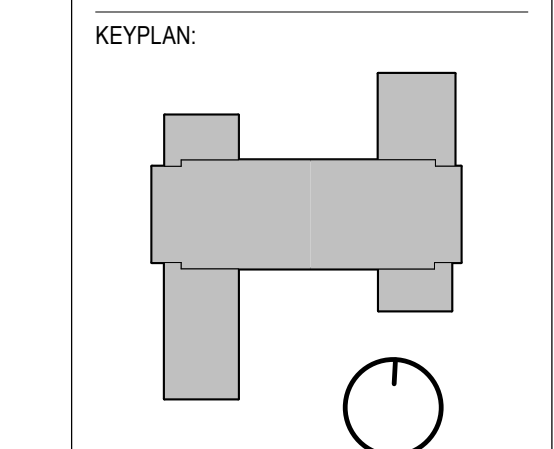
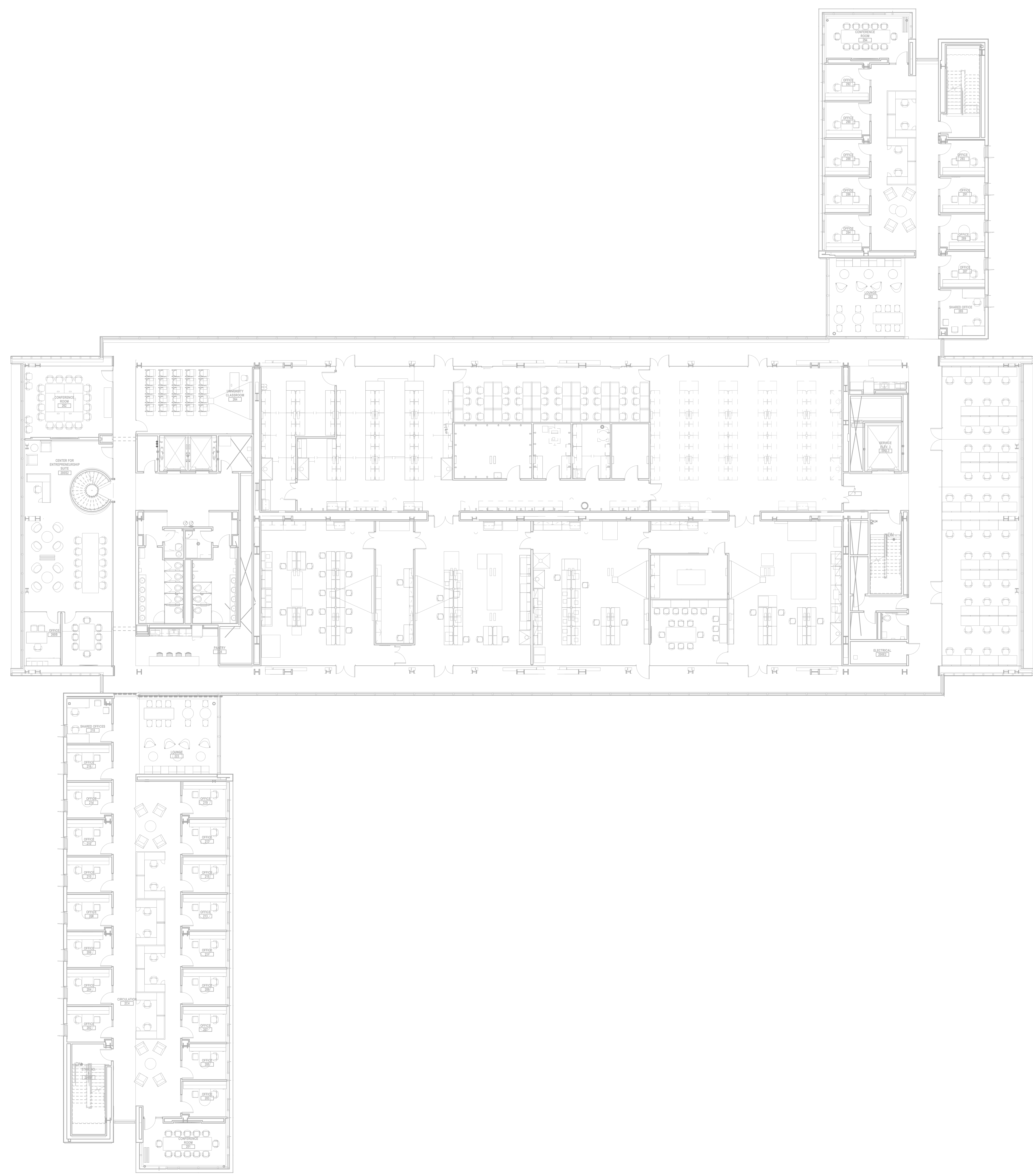
TITLE:
FIRST FLOOR
TELECOMM PLAN
PART 6

NUMBER:
TC101.6

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04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

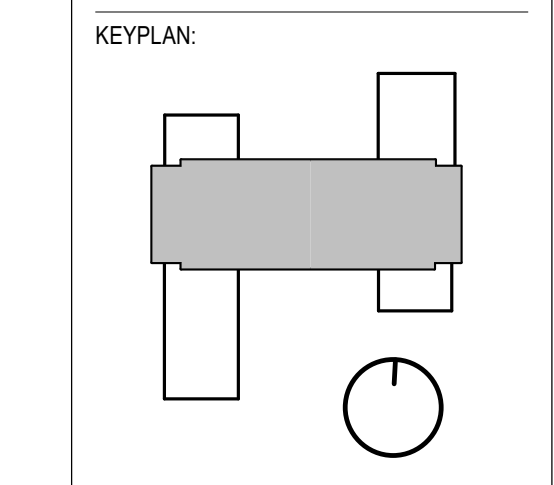
PROJECT: 15085.00
 SCALE: 3/32" = 1'-0"
 TELECOMM

TITLE:
SECOND FLOOR PLAN OVERALL

NUMBER:
TC102

NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR LEFT OF COLUMN LINE 6 TO TEL/DATA 21C1.

CONSULTANTS:



SEAL:

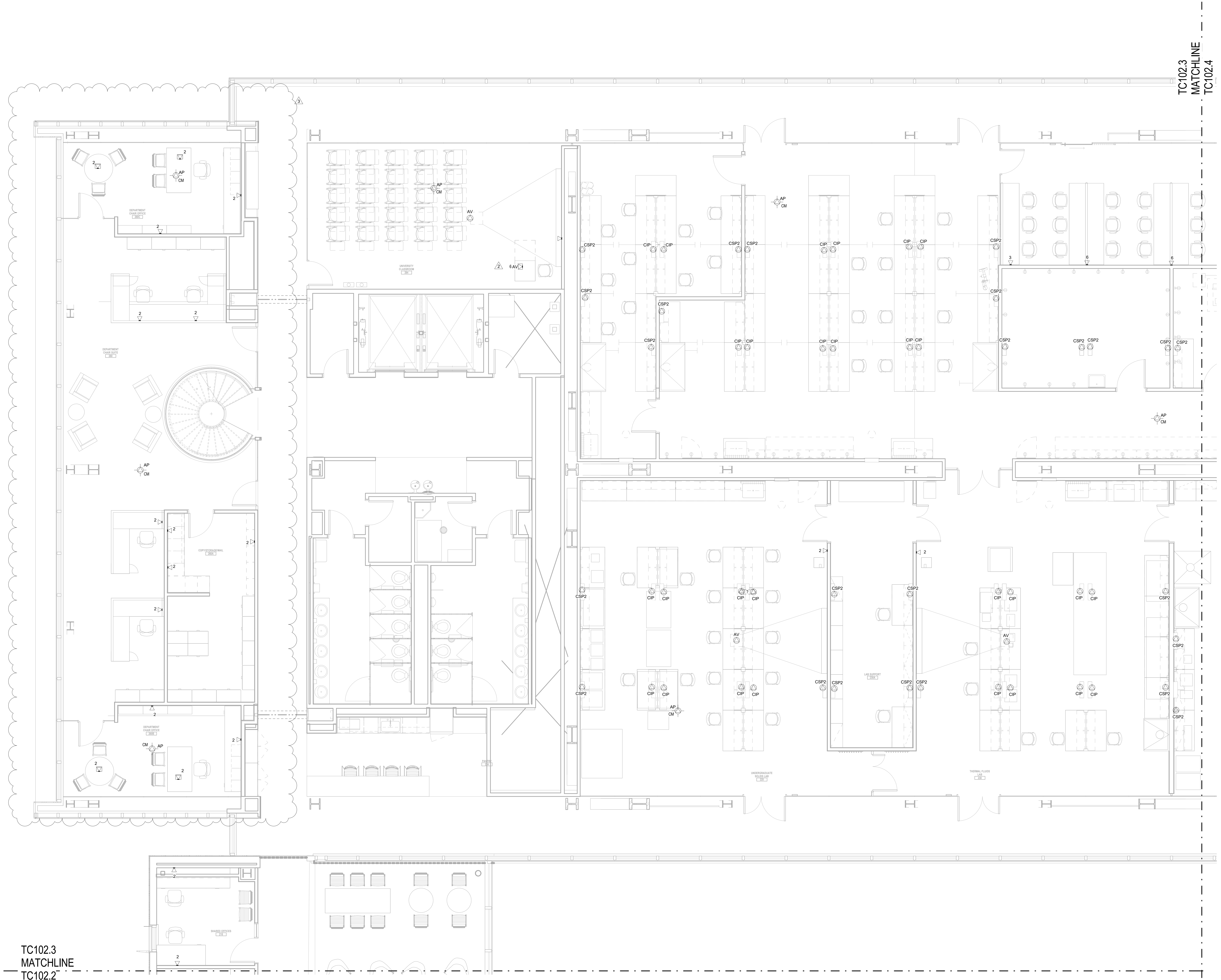
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05/08/18	ISSUE NO. 17
04/02/18	ISSUE NO. 14
08/24/17	ISSUE NO. 6
07/31/17	ISSUE NO. 5
07/07/17	100% QAOCC CDS
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
 SECOND FLOOR TELECOMM PLAN PART 3

NUMBER:
 TC102.3



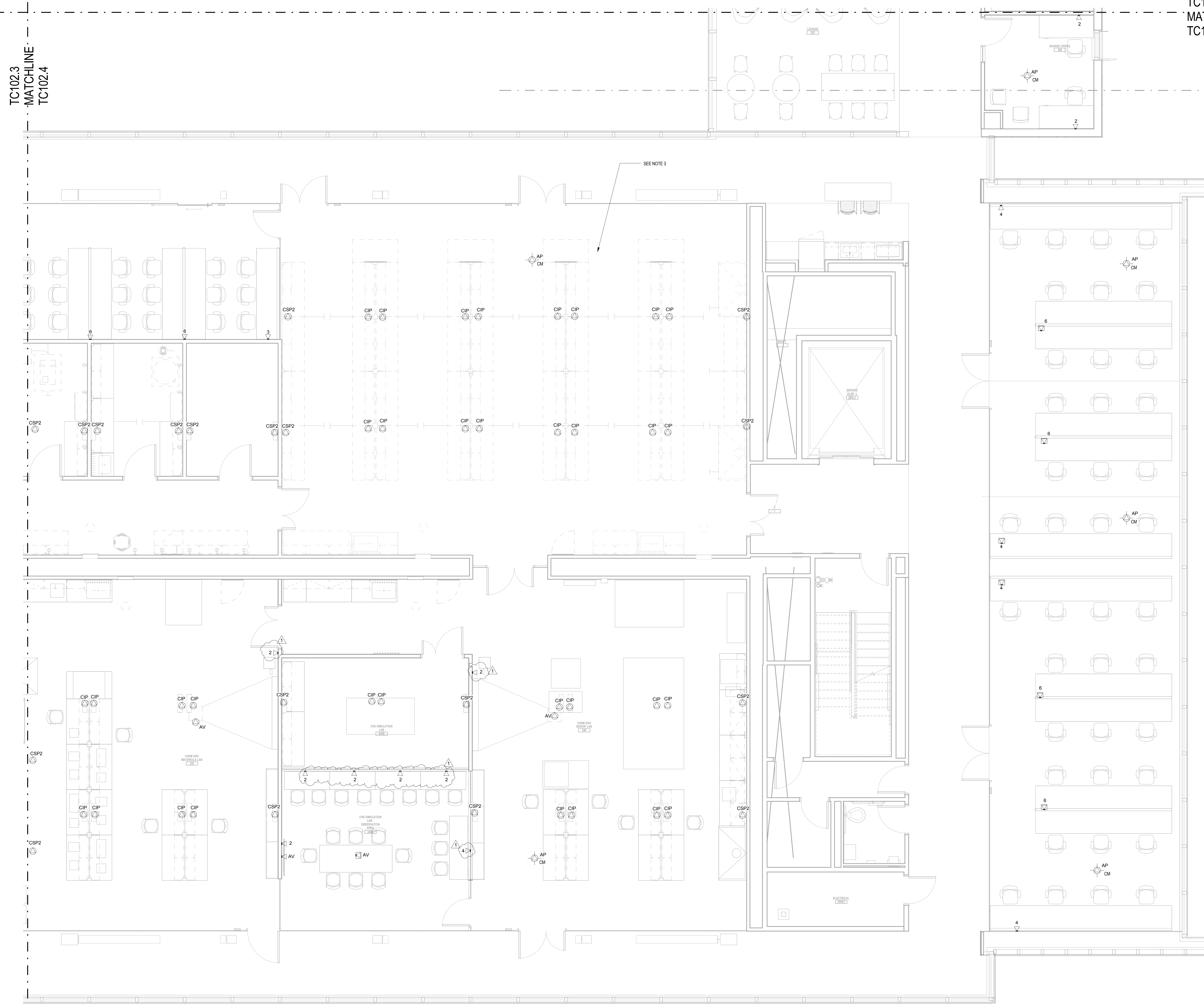
TC102.3
 MATCHLINE
 TC102.4

TC102.3
 MATCHLINE
 TC102.2

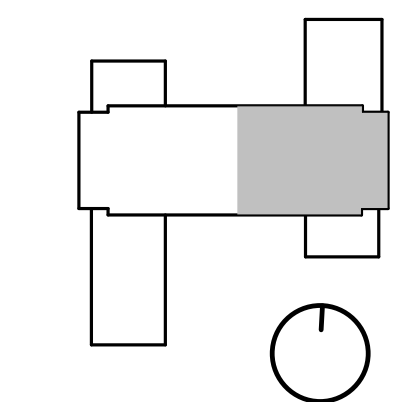
NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TELECOM DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.
 3. TO PROVIDE PRICING FOR ROOM 200 AS ALTERNATE #1A

TC102.3
 MATCHLINE
 TC102.4

TC102.5
 MATCHLINE
 TC102.4



KEYPLAN:



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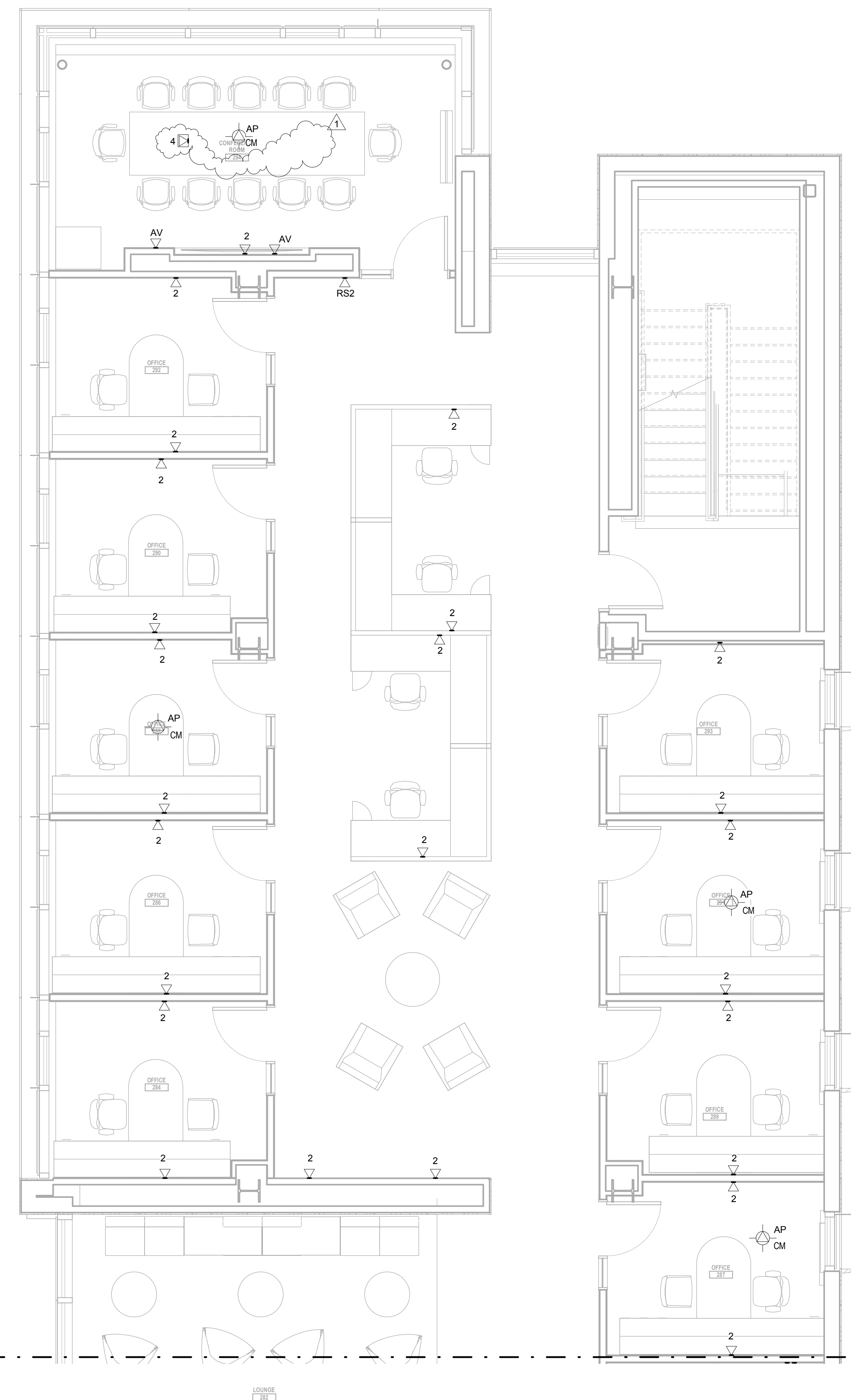
05/24/17 ISSUE NO. 6
 07/31/17 ISSUE NO. 5
 07/07/17 100% QA/QC CDS
 04/26/17 ISSUE NO. 4
 04/21/17 ISSUE NO. 3-ADD. 1
 04/07/17 ISSUE NO. 3
 03/10/17 ISSUE NO. 2-ADD. 3
 02/17/17 ISSUE NO. 2
 DRAWING ISSUE

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
 SECOND FLOOR TELECOMM PLAN PART 4

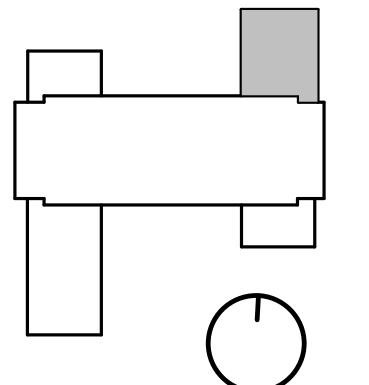
NUMBER:
 TC102.4

NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE/DATA CLOSET.



TC102.5
 MATCHLINE
 TC102.4

KEYPLAN:



SEAL:

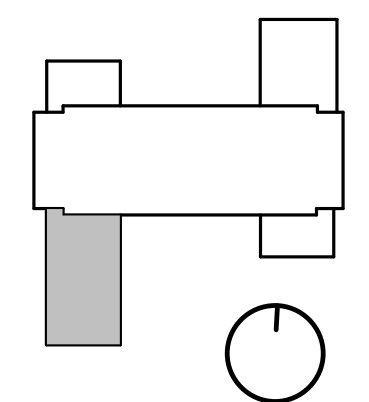
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07/07/17	100% QA/QC CD'S
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
 SECOND FLOOR TELECOMM PLAN PART 5

NUMBER:
 TC102.5



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07/31/17 ISSUE NO. 5
07/07/17 100% QA/QC CDS
04/26/17 ISSUE NO. 4
04/21/17 ISSUE NO. 3-ADD. 1
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03/10/17 ISSUE NO. 2-ADD. 3
02/17/17 ISSUE NO. 2
DRAWING ISSUE

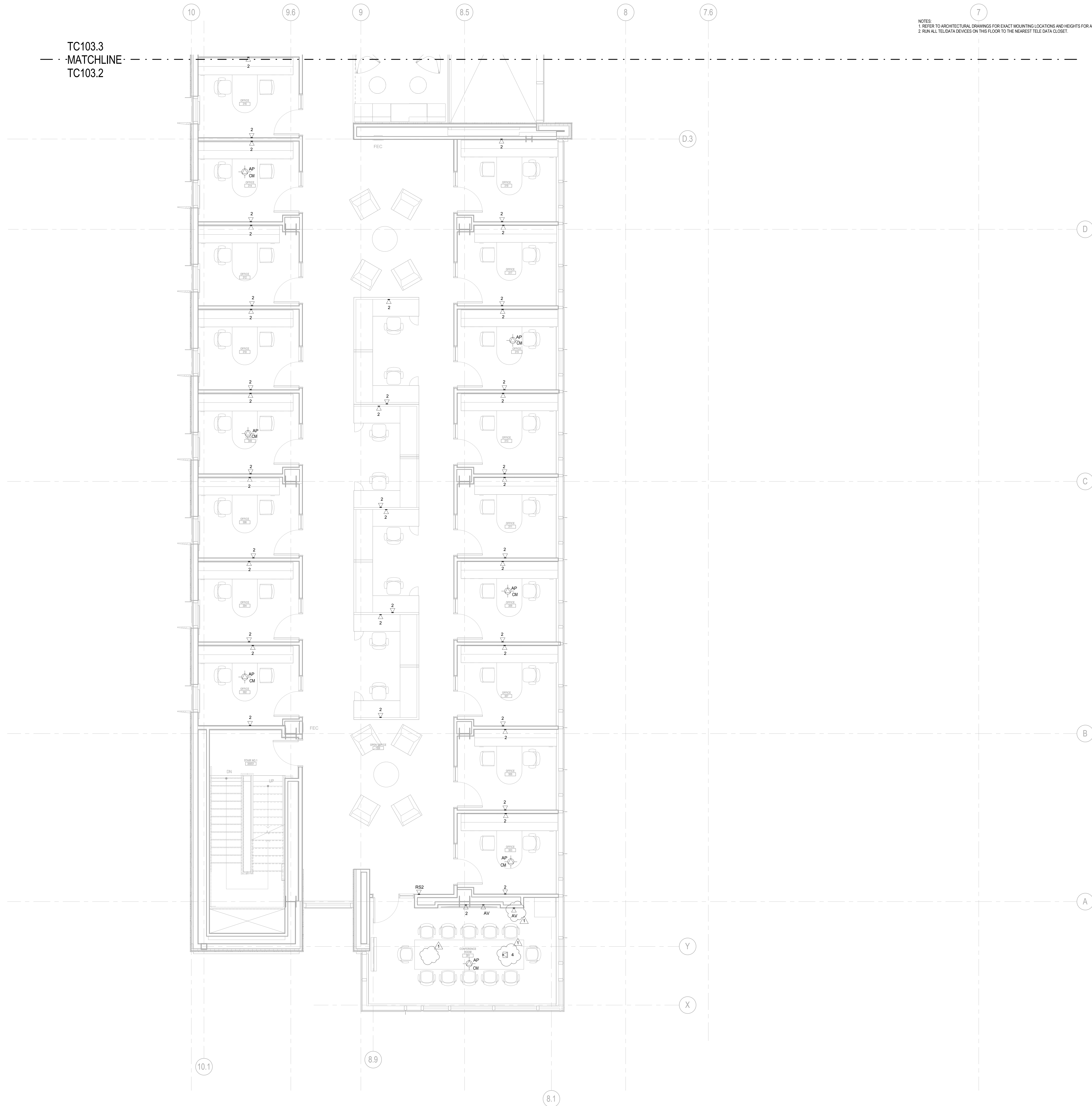
PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

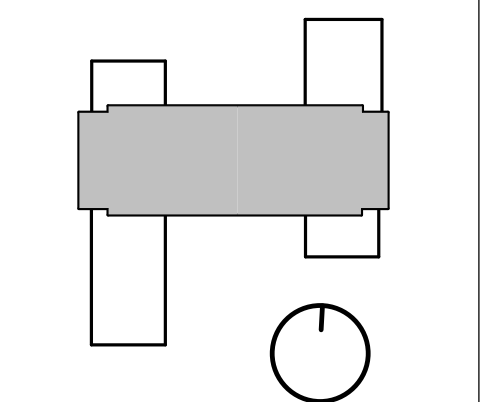
TITLE:
THIRD FLOOR TELECOMM PLAN PART 2

NUMBER:
TC103.2

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE/DATA CLOSET.

TC103.3
MATCHLINE
TC103.2





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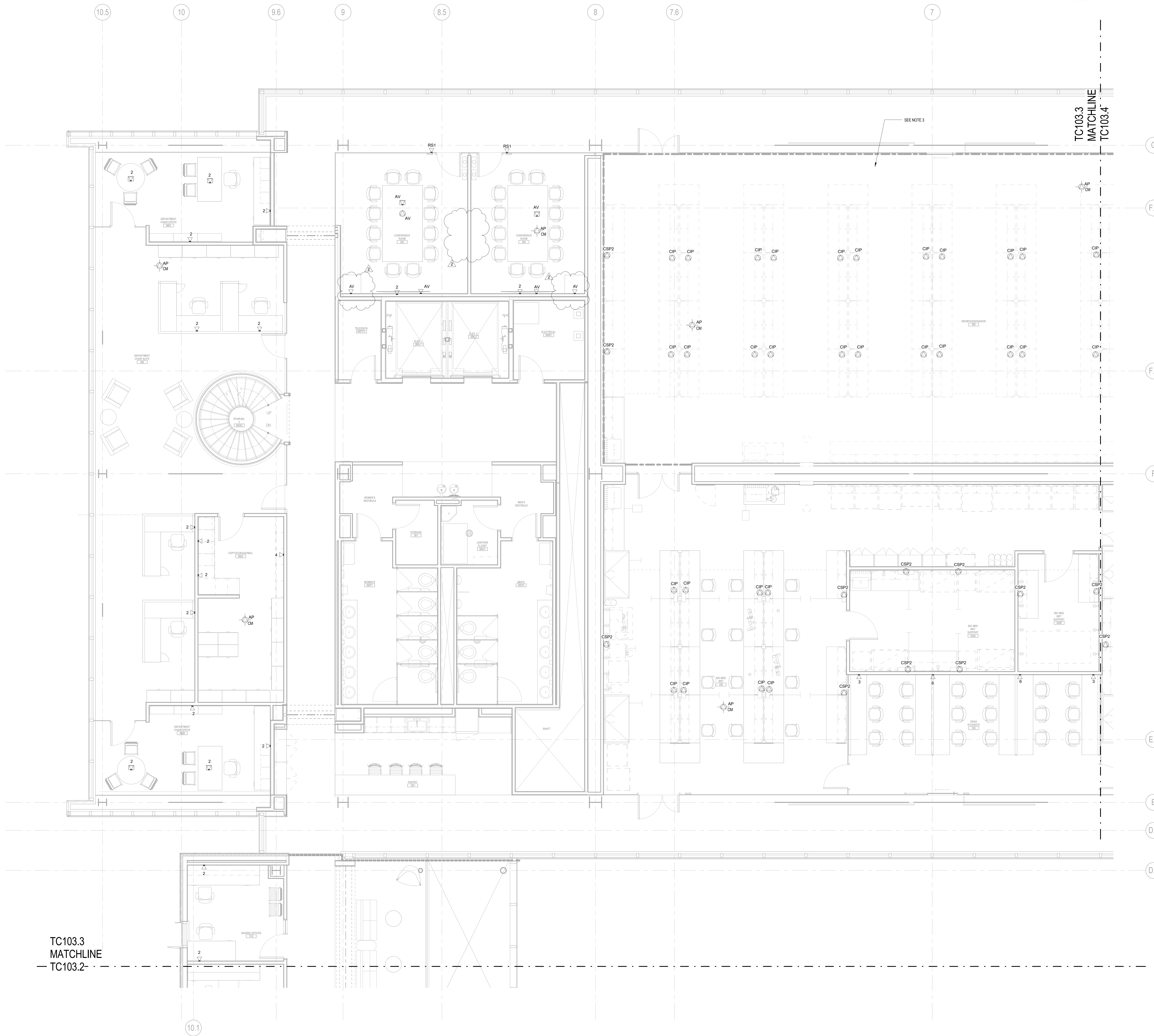
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08/24/17	ISSUE NO. 6
07/31/17	ISSUE NO. 5
07/07/17	100% QAOCC CDS
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

TITLE:
THIRD FLOOR TELECOMM PLAN PART 3

NUMBER:
TC103.3

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TELE DATA RIGIDS ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.
3. TC TO PROVIDE PRICING FOR ROOM 366 AS ALTERNATE 1A.

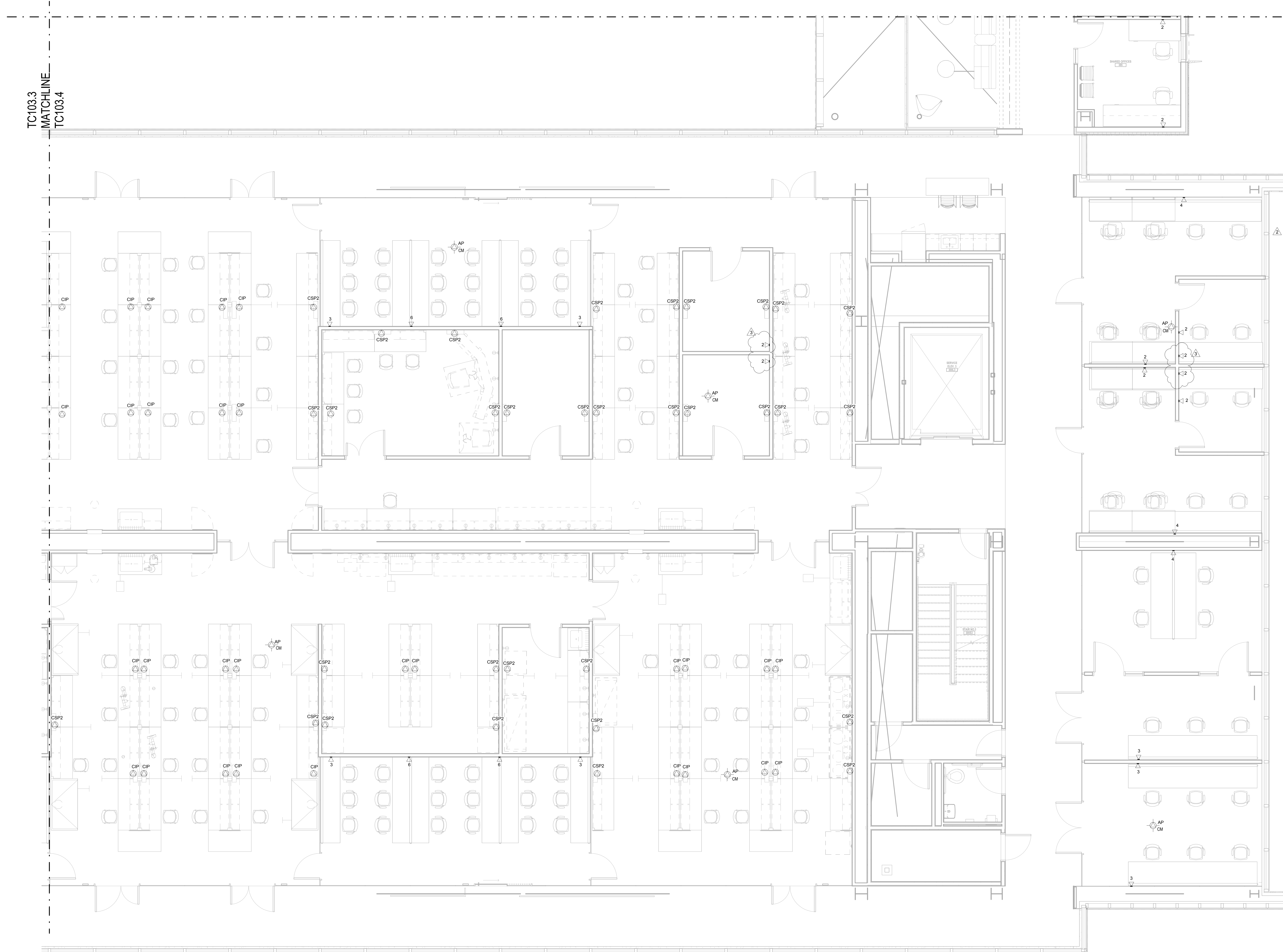


TC103.3
MATCHLINE
TC103.2

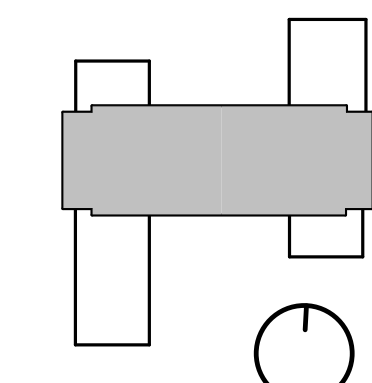
NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.

TC103.5
MATCHLINE
TC103.4

TC103.3
MATCHLINE
TC103.4



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05/25/18	RFI-606
04/17/18	ISSUE NO 15
08/24/17	ISSUE NO 6
07/31/17	ISSUE NO 5
07/07/17	100% QAOCC CDS
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO.3-ADD. 1
04/07/17	ISSUE NO.3
03/10/17	ISSUE NO.2-ADD. 3
02/17/17	ISSUE NO. 2

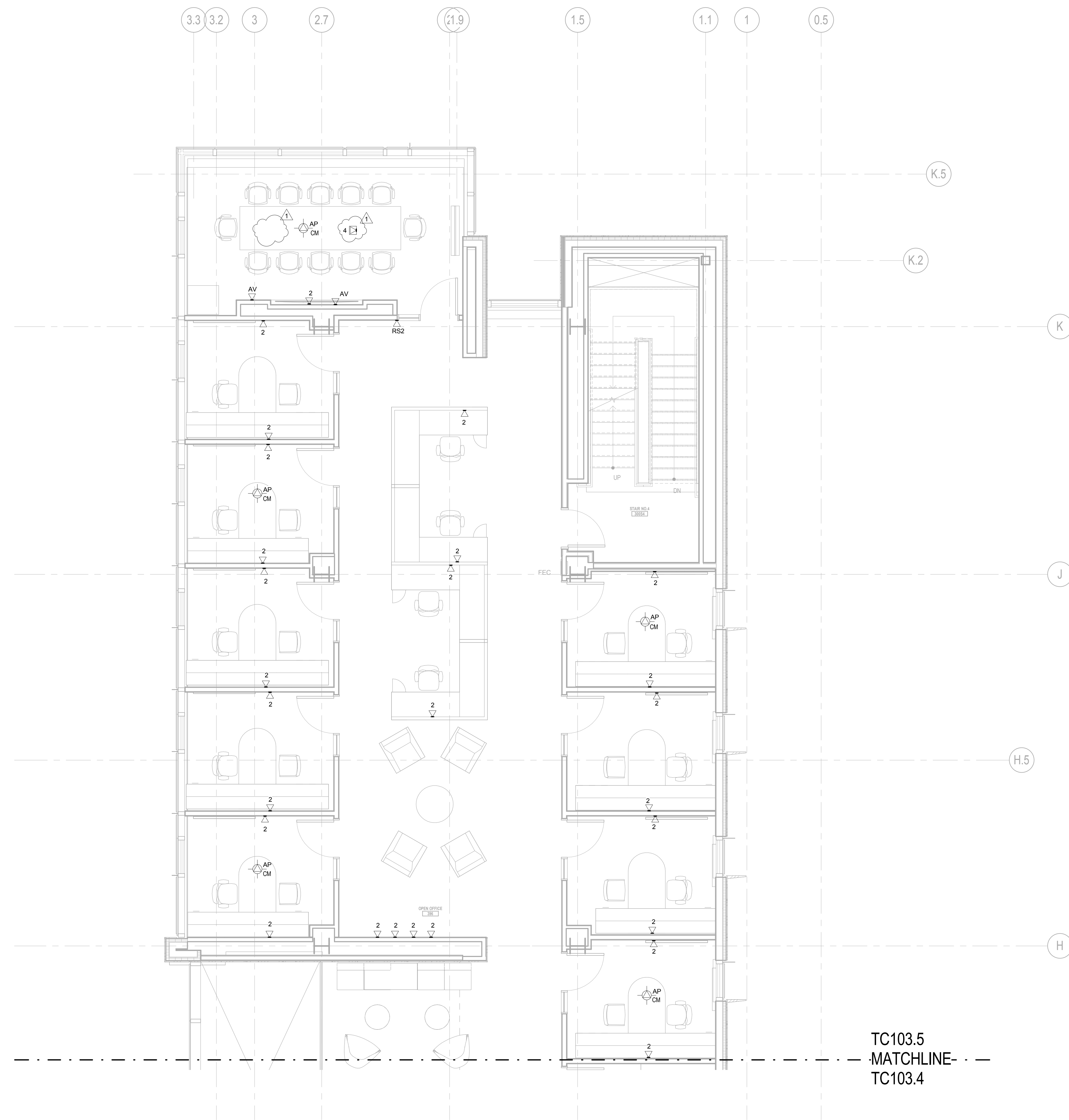
D R A W I N G I S S U E

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

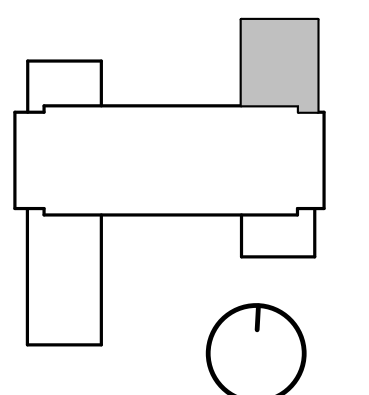
TITLE:
THIRD FLOOR
TELECOMM PLAN
PART 4

NUMBER:
TC103.4

NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
 2. RUN ALL TELEDATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.



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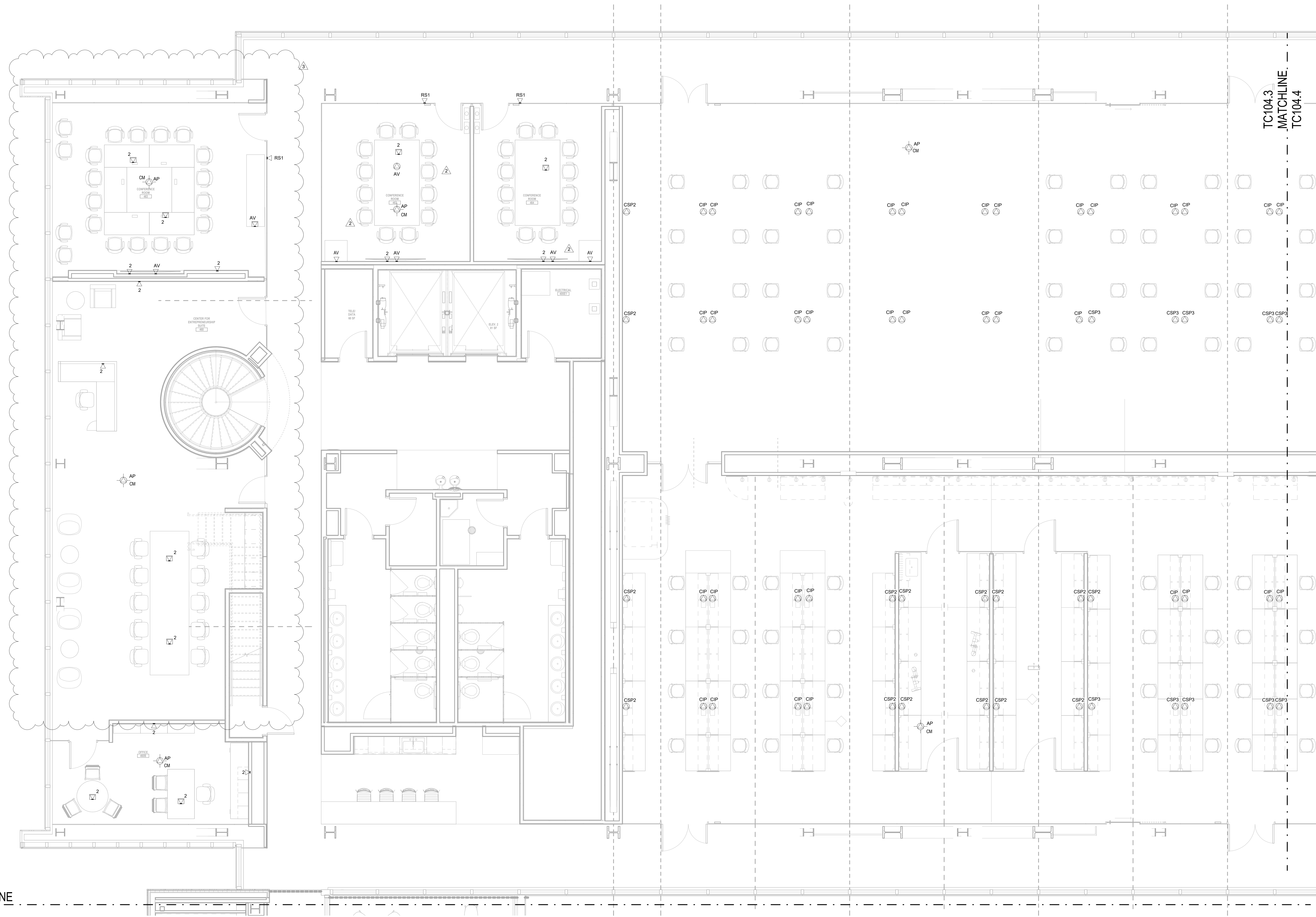
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07/31/17	ISSUE NO. 5
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04/28/17	ISSUE NO. 4
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04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
 THIRD FLOOR TELECOMM PLAN PART 5

NUMBER:
TC103.5

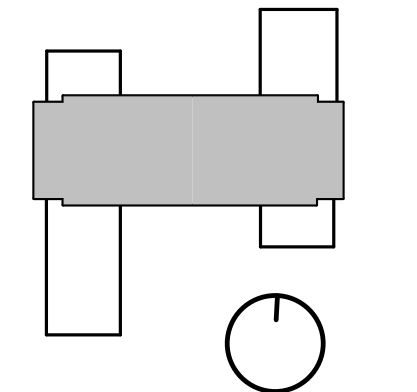
NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL TELECOMM OUTLETS.
2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.



TC104.3
MATCHLINE
TC104.2

TC104.3
MATCHLINE
TC104.4

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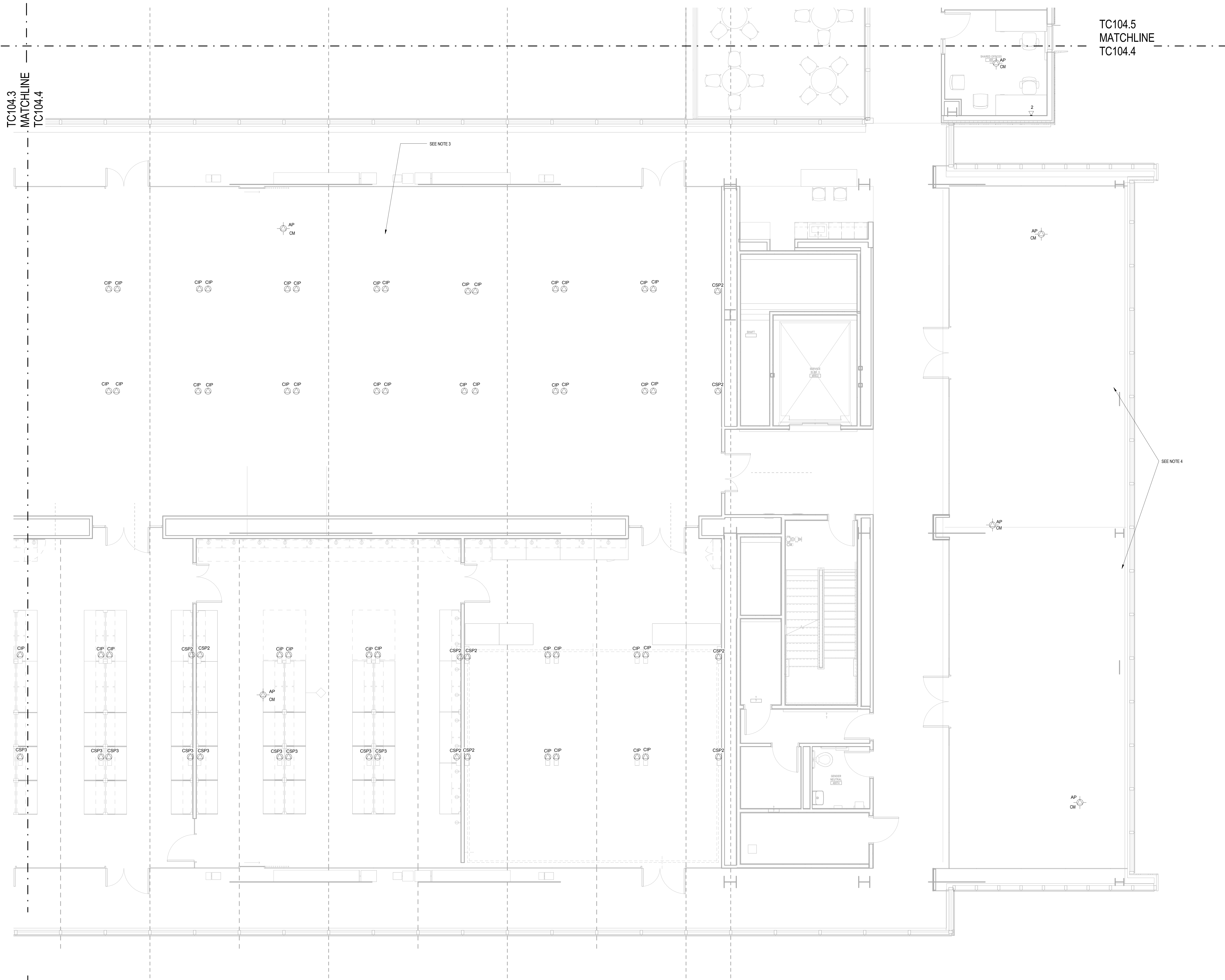
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4/04/2018	ISSUE NO 14
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04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO.3-ADD. 1
04/07/17	ISSUE NO.3
03/10/17	ISSUE NO.2-ADD.3
02/17/17	ISSUE NO. 2

PROJECT: 15085.00
SCALE: 1/4" = 1'-0"
TELECOMM

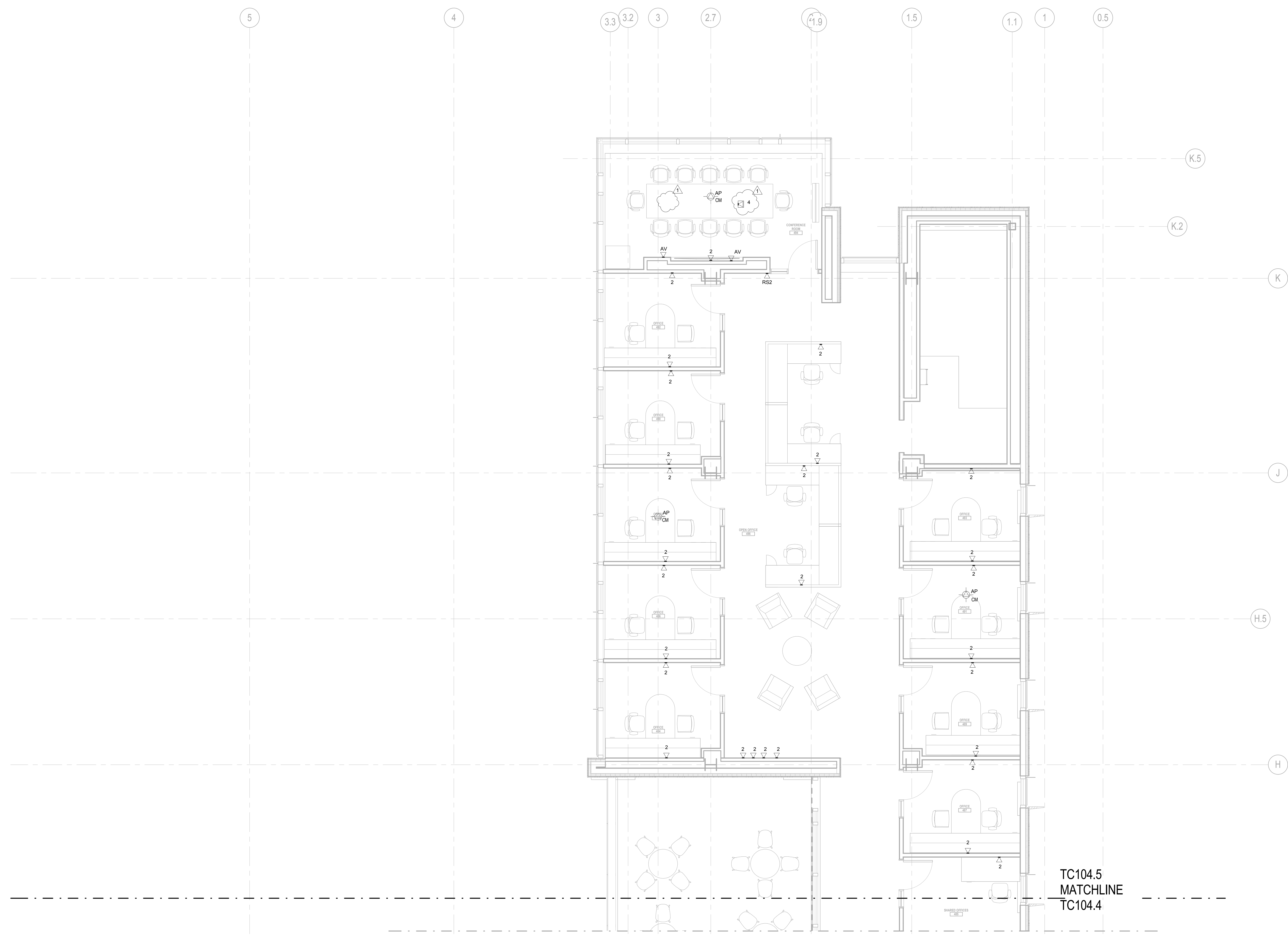
TITLE:
FOURTH FLOOR
TELECOMM PLAN
PART 3

NUMBER:
TC104.3

- NOTES:
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 2. RUN ALL TELECOMM DEVICES ON THIS FLOOR TO THE NEAREST TELECOMM CLOSET.
 3. TO PROVIDE PRICING FOR ROOM, ALTERNATE 1C.
 4. TO PROVIDE PRICING FOR ROOMS, ALTERNATE 1D.



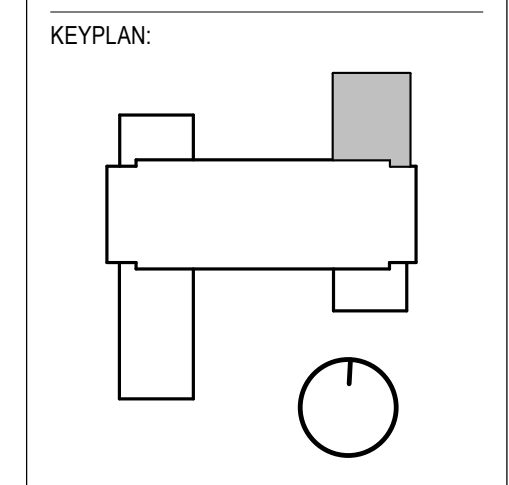
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 2. RUN ALL TEL/DATA DEVICES ON THIS FLOOR TO THE NEAREST TELE DATA CLOSET.



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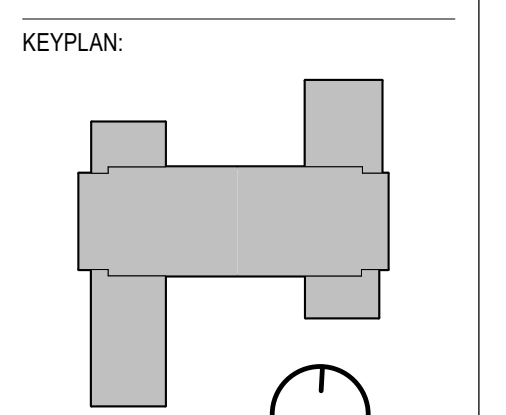
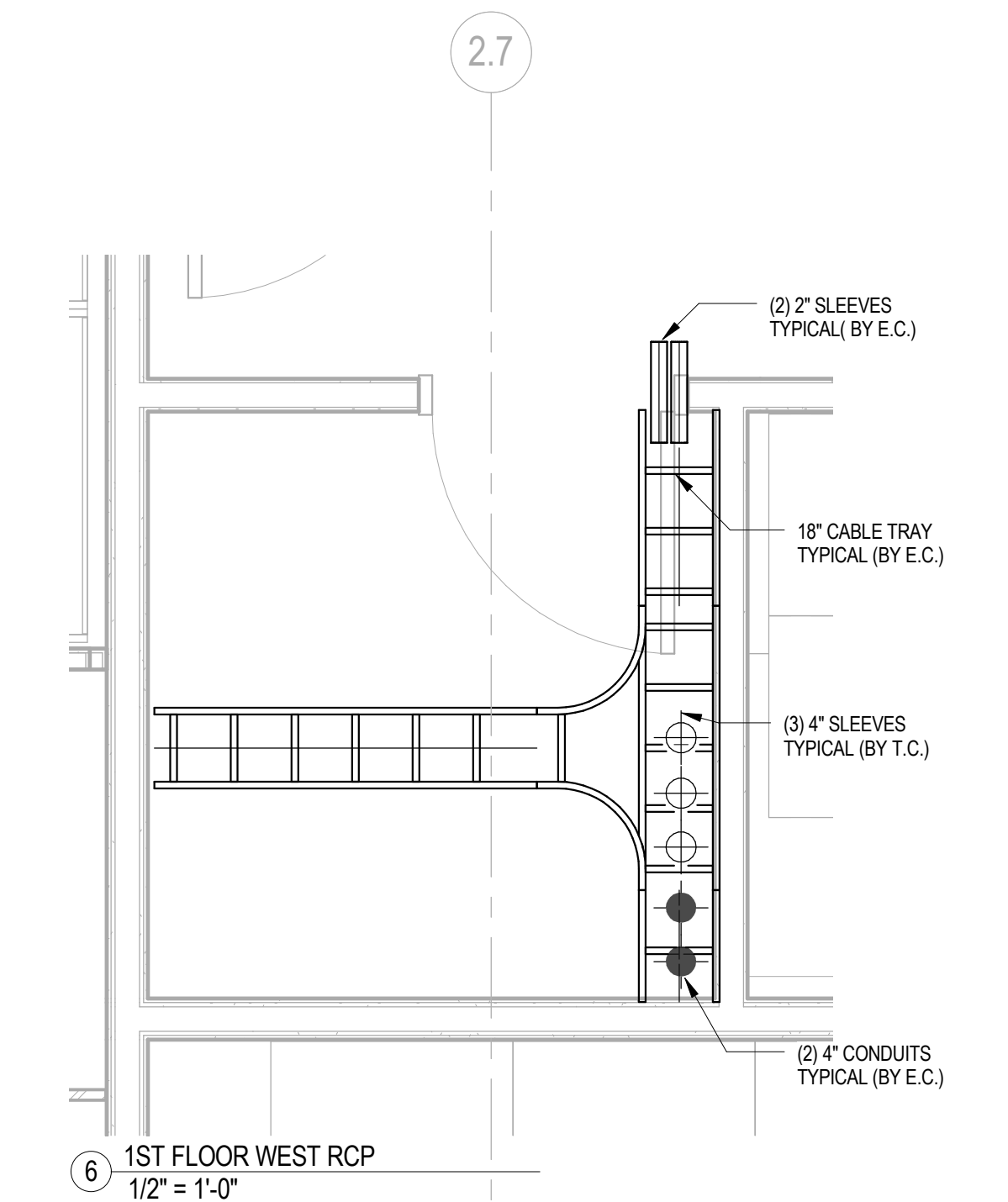
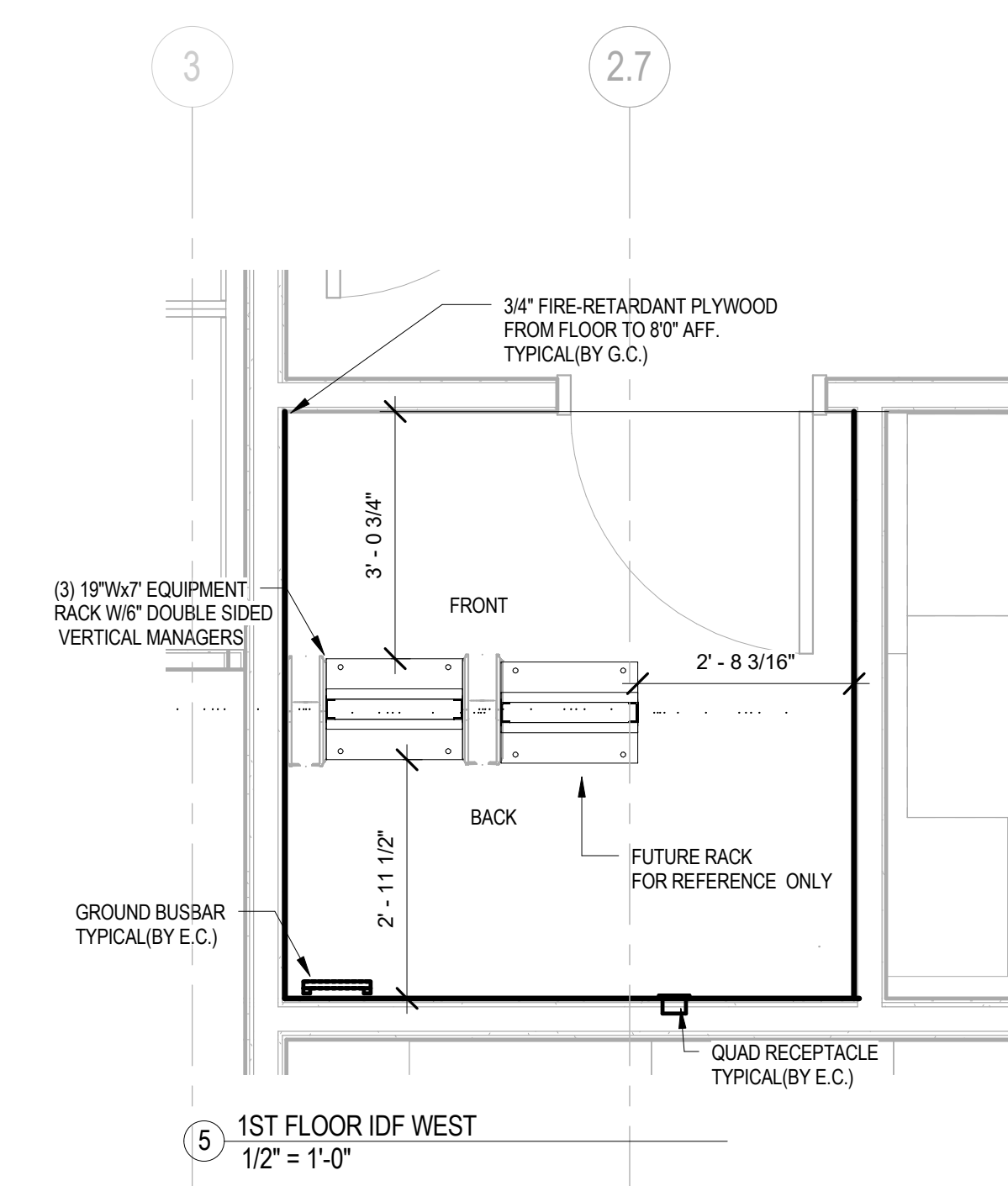
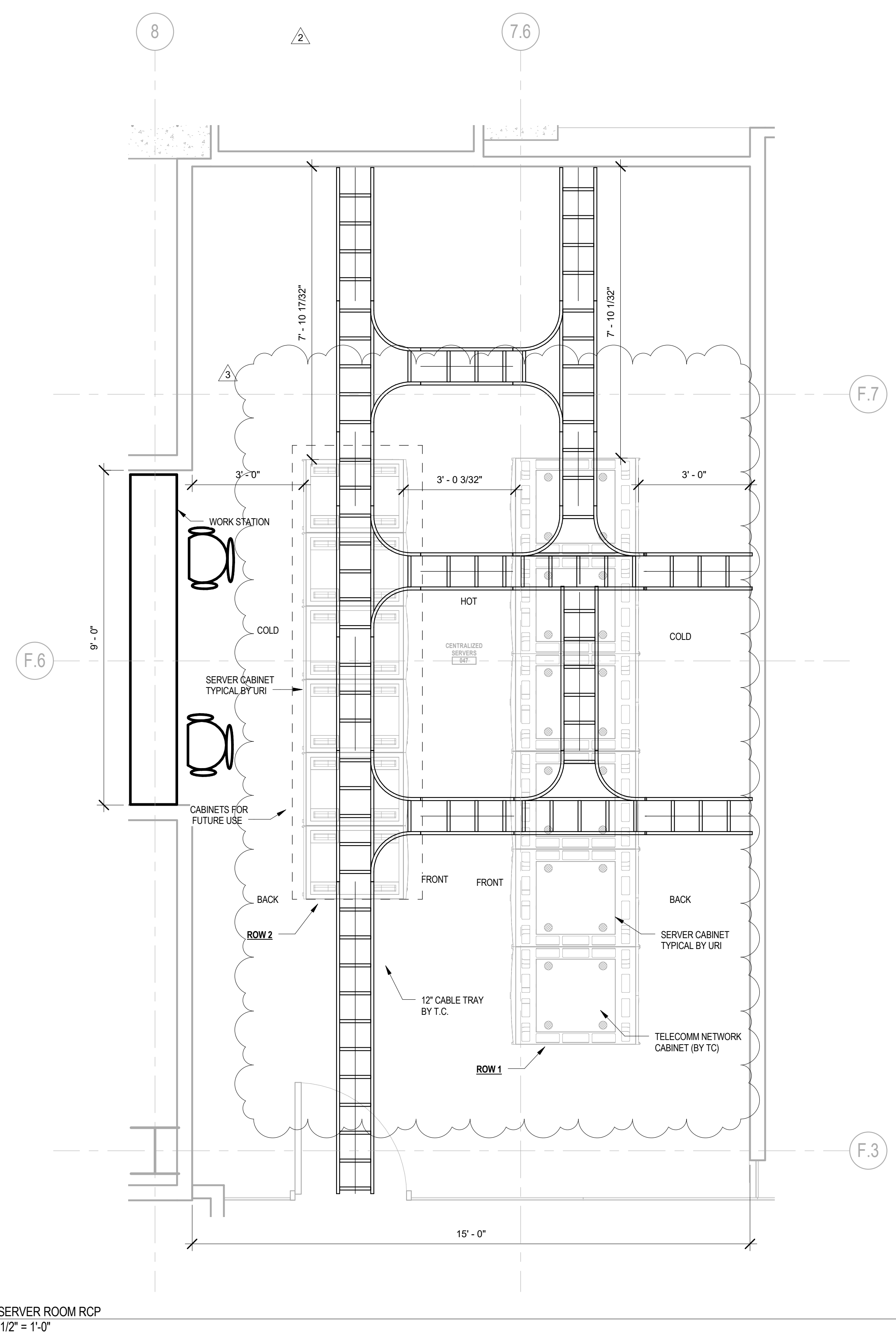
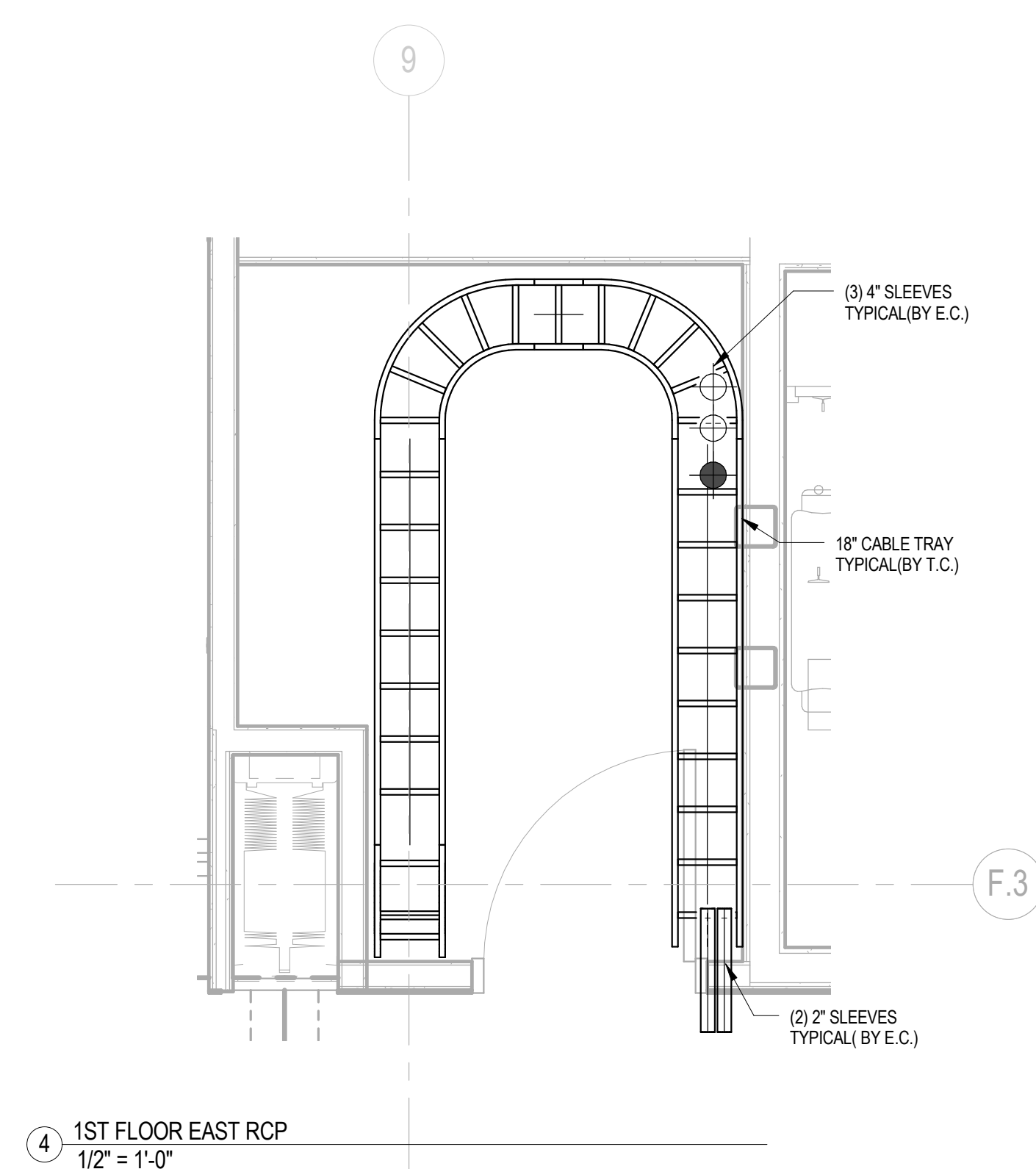
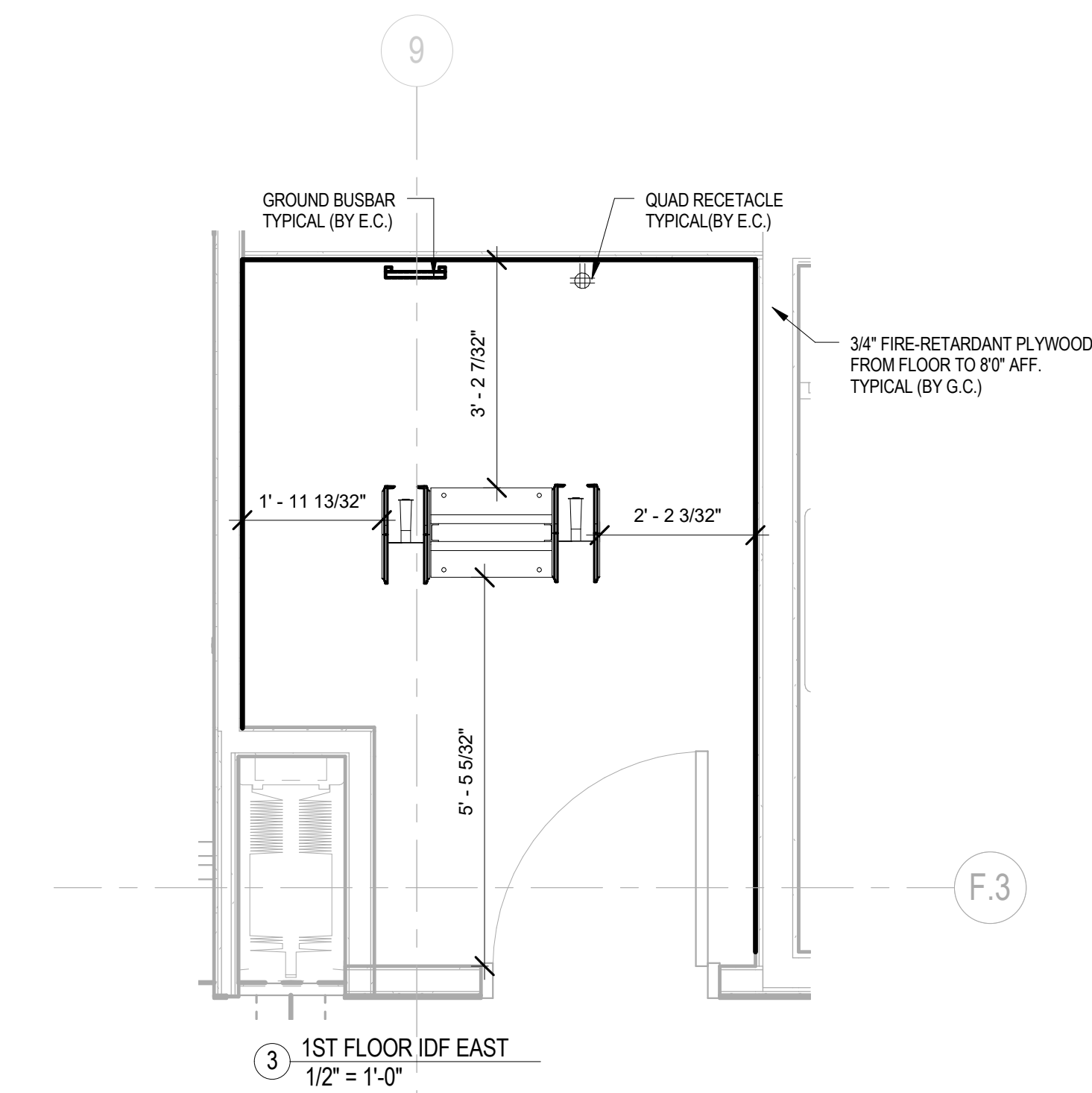
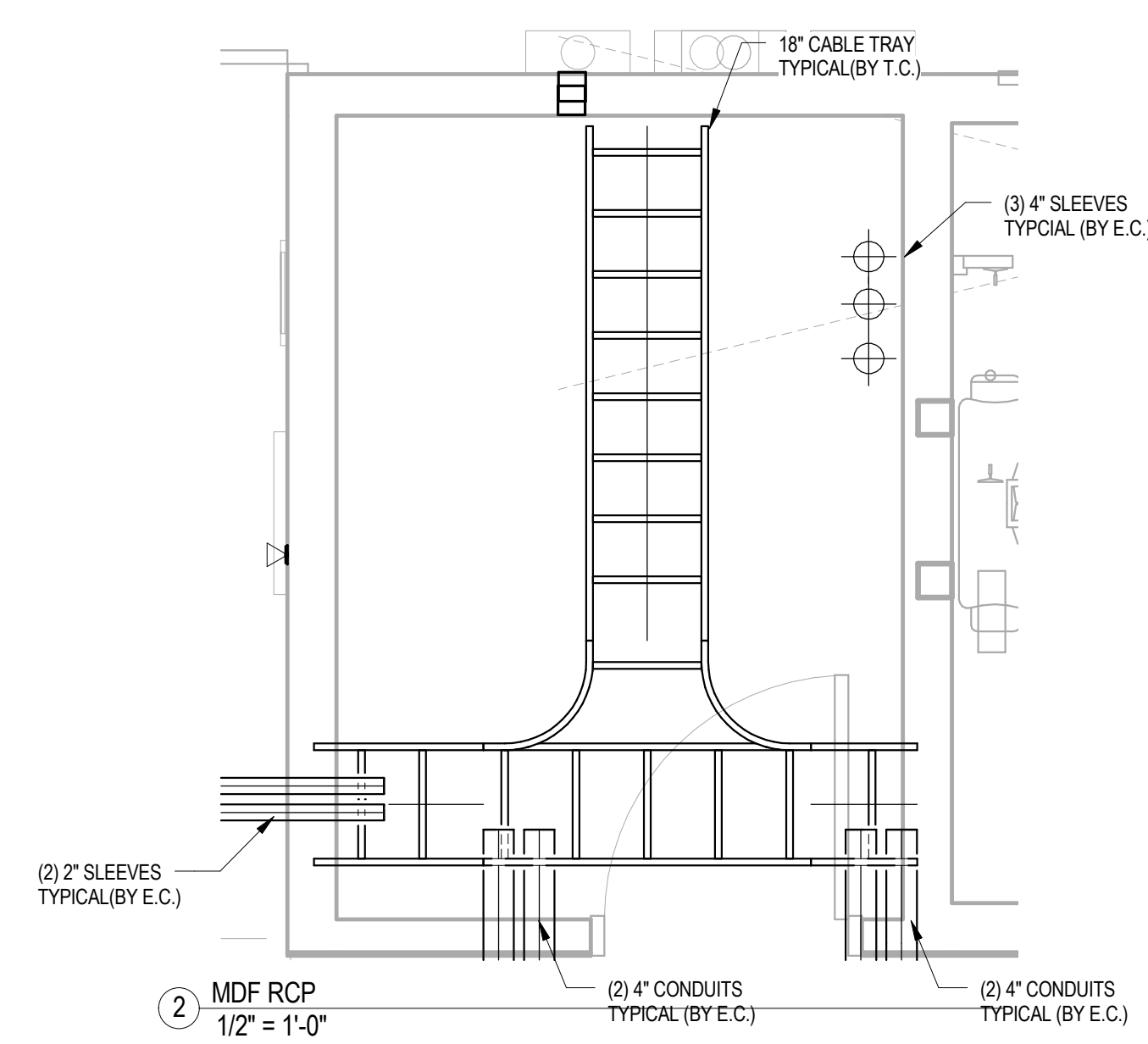
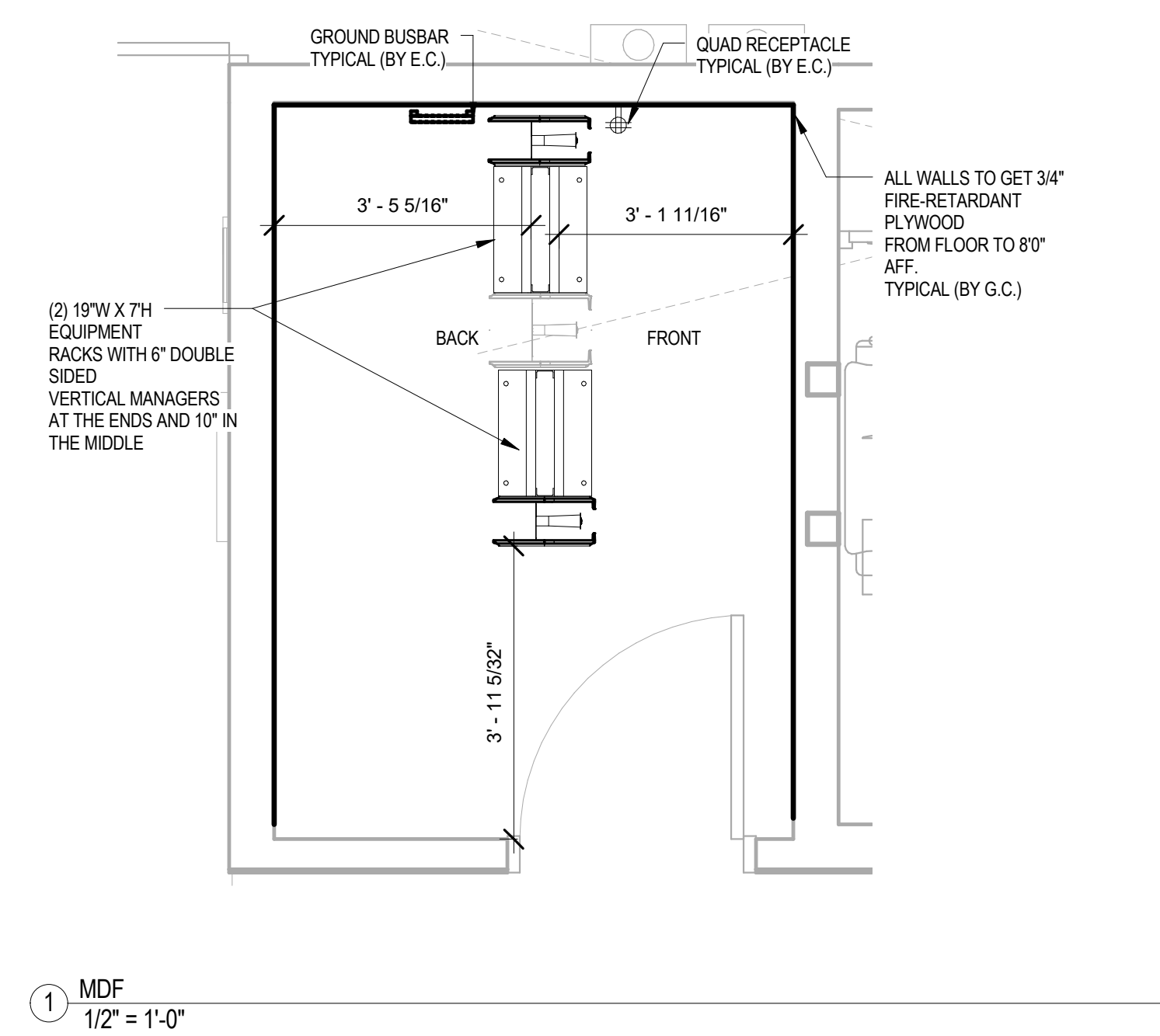
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06/24/17	ISSUE NO. 6
07/31/17	ISSUE NO. 5
07/07/17	100% QA/QC CD'S
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2
DRAWING ISSUE	

PROJECT: 15085.00
 SCALE: 1/4" = 1'-0"
 TELECOMM

TITLE:
 FOURTH FLOOR TELECOMM PLAN PART 5

NUMBER:
 TC104.5



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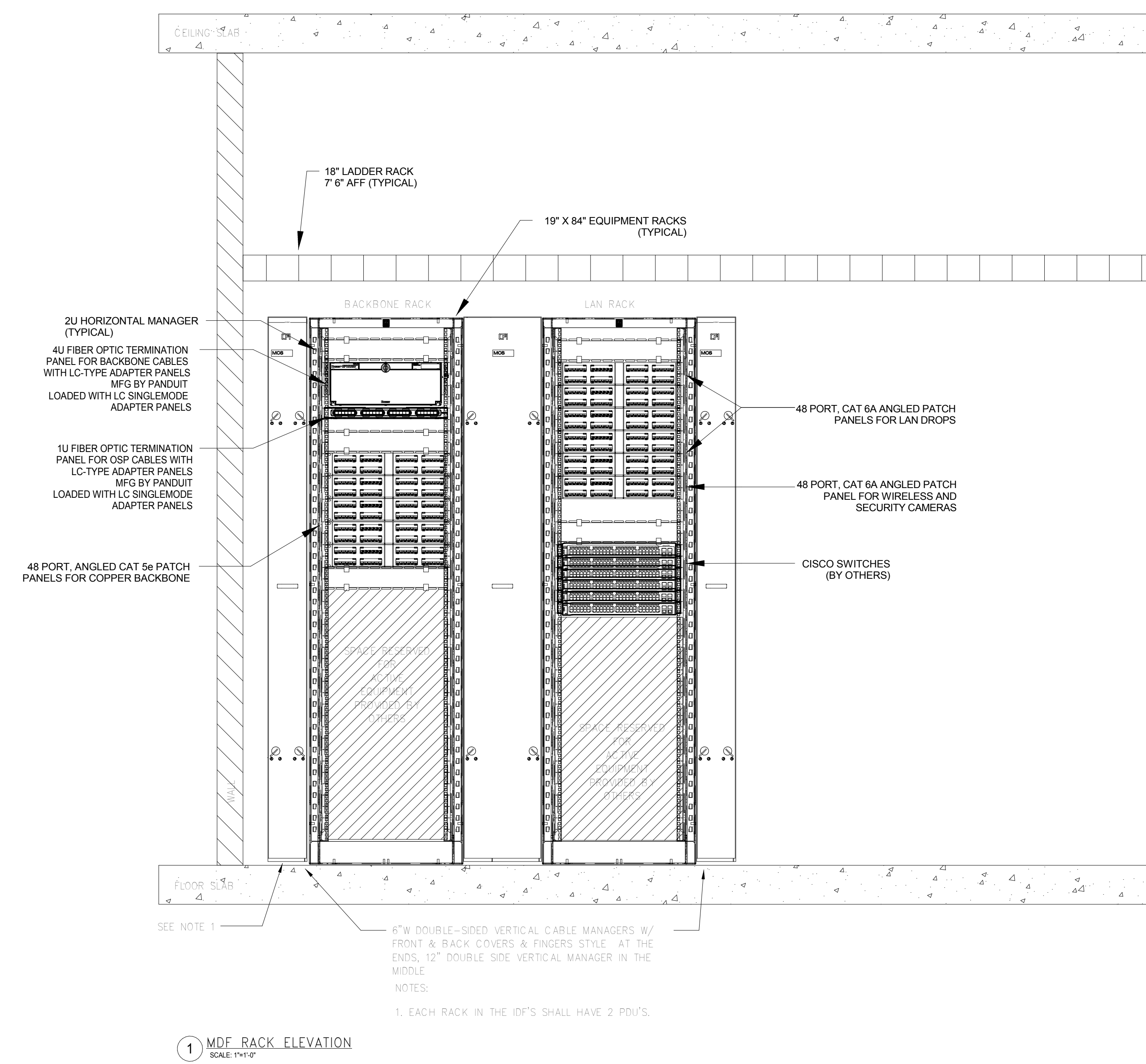
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07/07/17	100% QA/QC CDS
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO.3-ADD. 1
04/07/17	ISSUE NO.3
03/10/17	ISSUE NO.2-ADD. 3
02/17/17	ISSUE NO. 2

D R A W I N G I S S U E

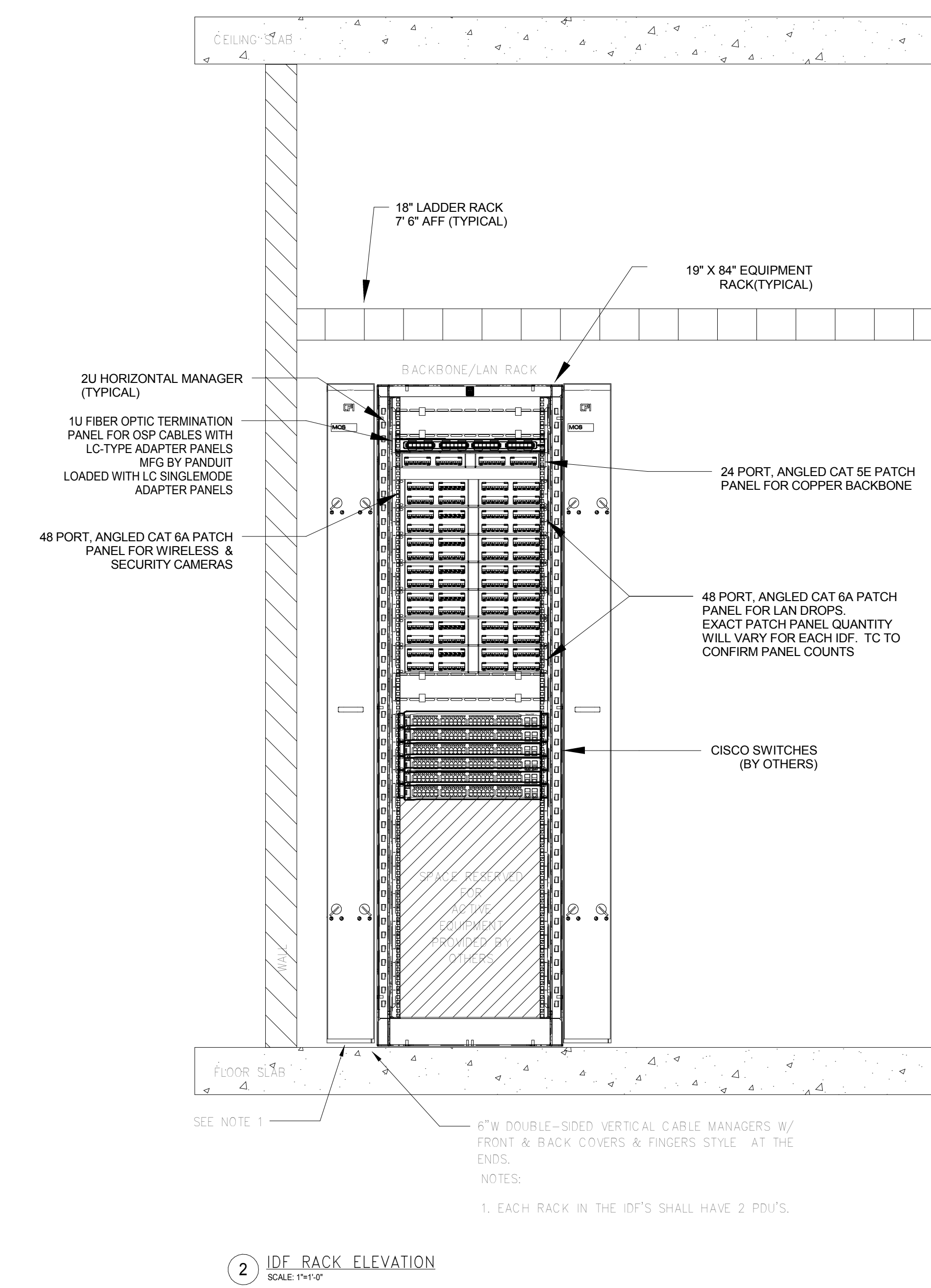
PROJECT: 15085.00
 SCALE: 1/2" = 1'-0"
 TELECOMM

TITLE:
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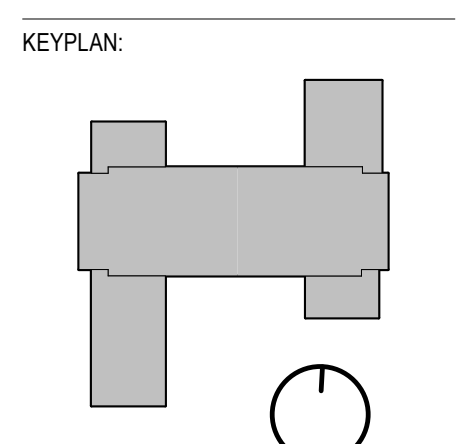
NUMBER:
 TC200



1 MDF_RACK_ELEVATION
 SCALE 1/4" = 1'-0"



2 IDF_RACK_ELEVATION
 SCALE 1/4" = 1'-0"



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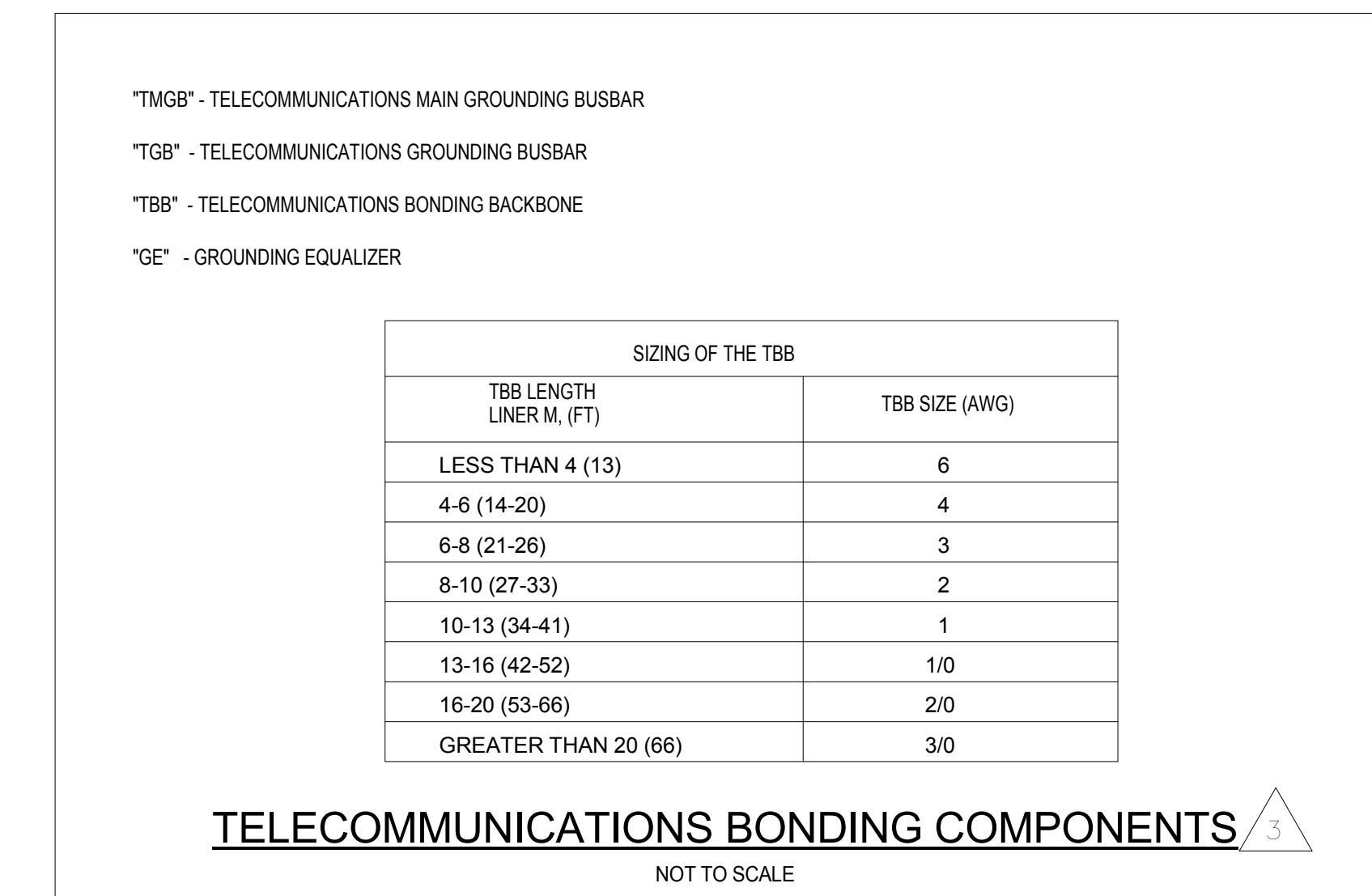
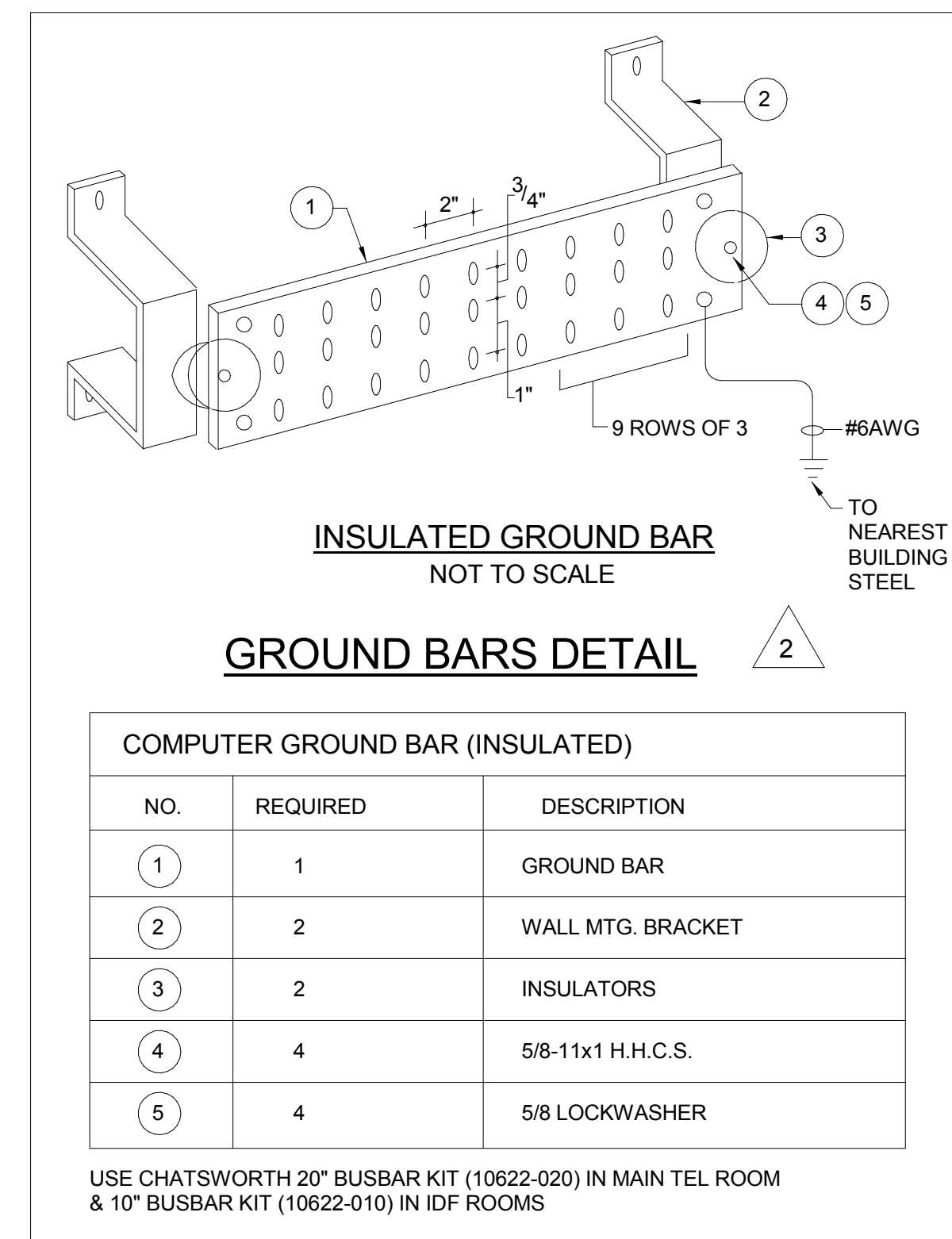
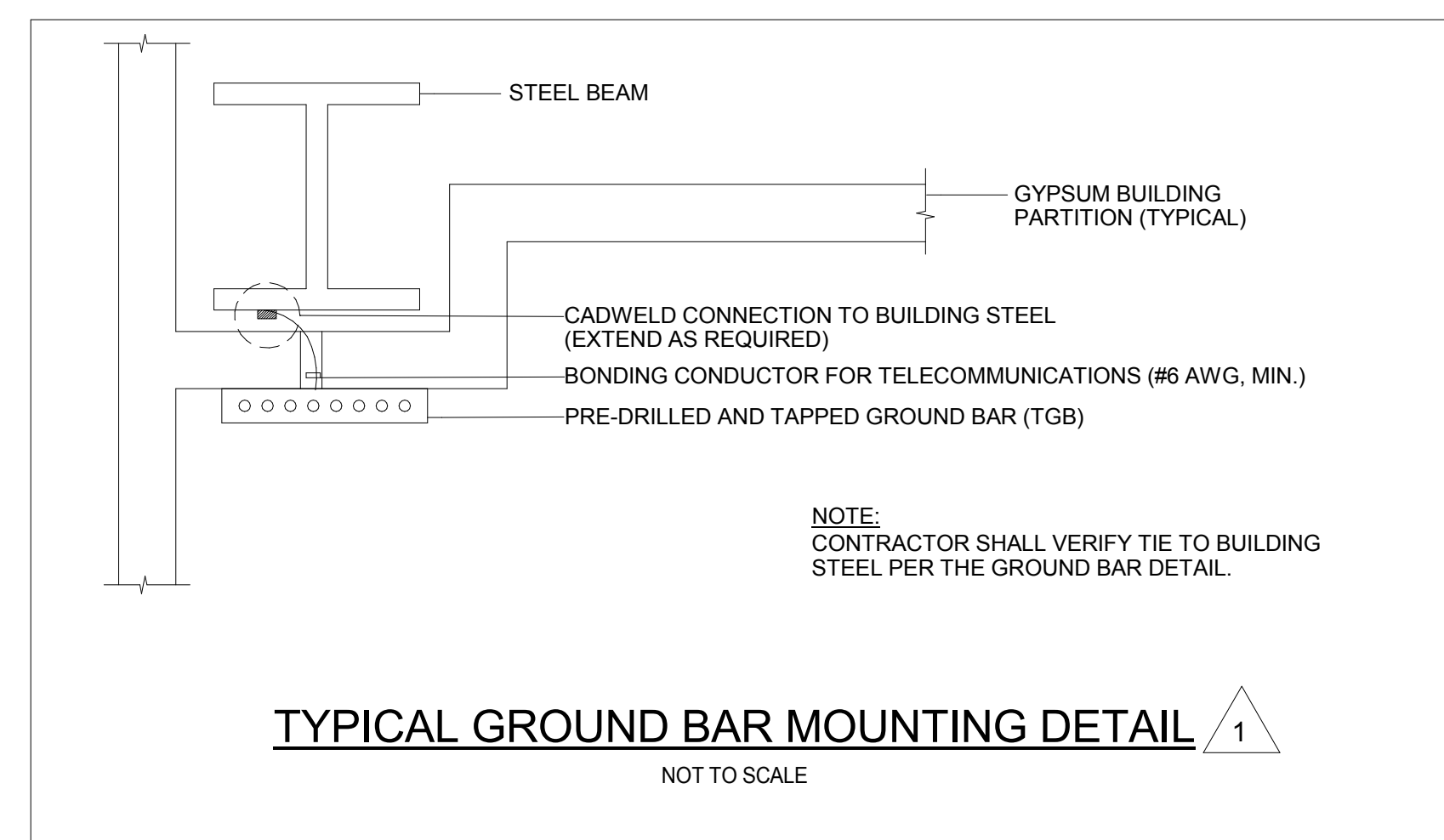
07/31/17 ISSUE NO. 5
 DRAWING ISSUE

PROJECT: 15085.00
 SCALE: 1" = 1'-0"
 TELECOMM

TITLE:
 TELECOMM PART PLANS

NUMBER:

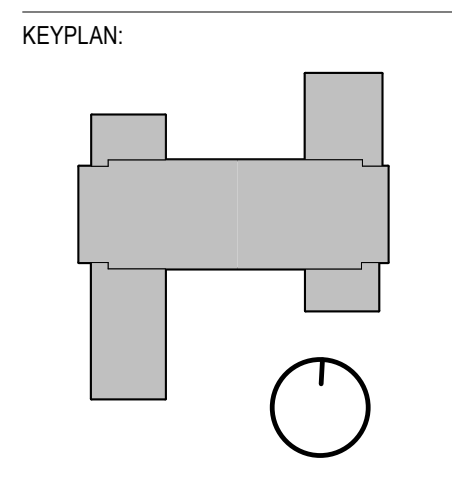
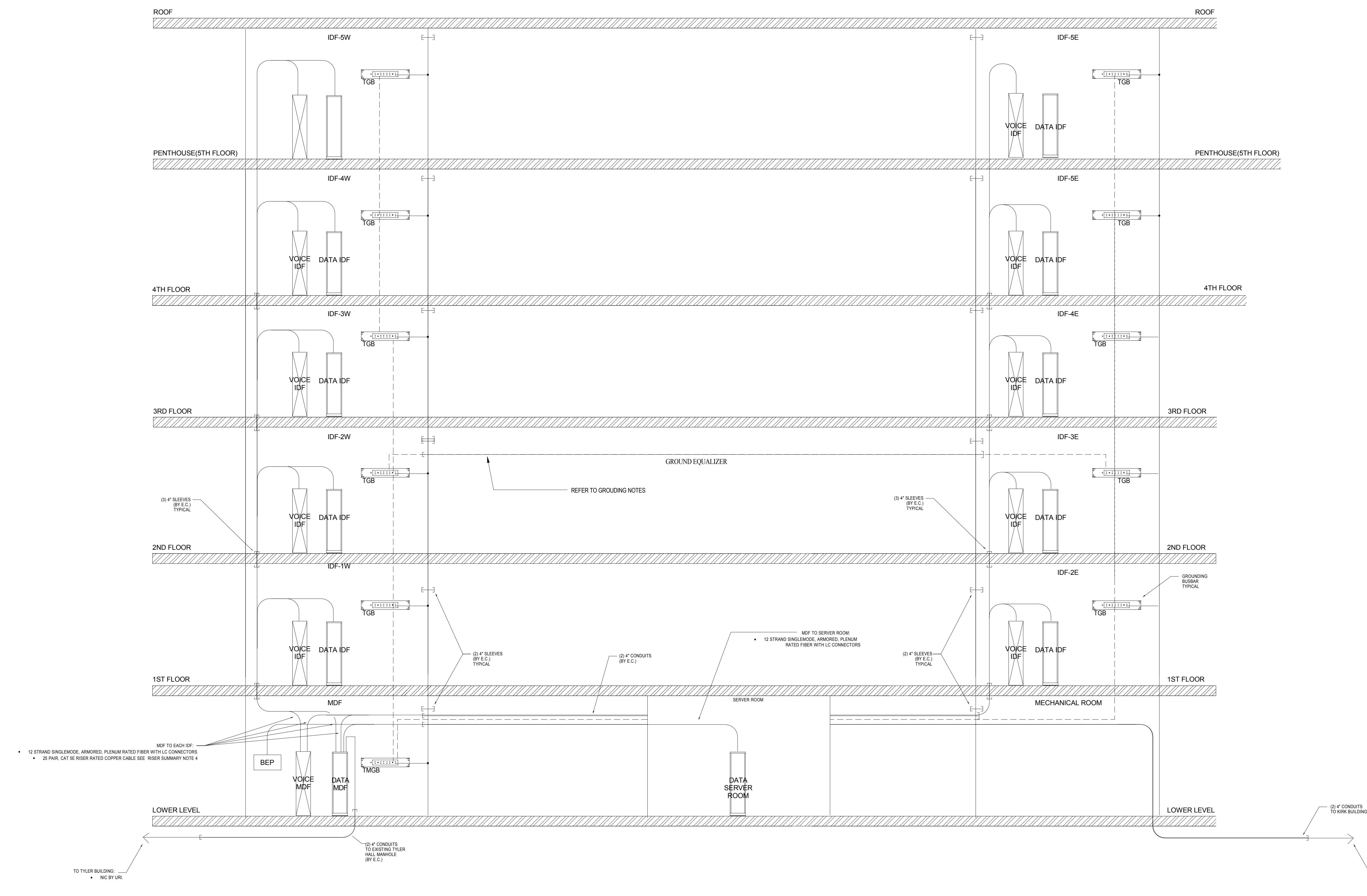
TC201



- GENERAL NOTES**
- ALL CONDUIT RACEDWAYS AND PULL BOXES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. COMMUNICATIONS WIRING SHALL BE PROVIDED BY THE COMMUNICATIONS WIRING CONTRACTOR.
 - ELECTRICAL BASIC MATERIALS, INSTALLATION METHODS AND GENERAL CONDITIONS SHALL BE THE SAME AS THE ELECTRICAL SPECIFICATION, UNLESS OTHERWISE NOTED.
 - CONDUIT REQUIREMENTS SHOWN ON THE DRAWING ARE FOR COMMUNICATIONS USE. RADIUS OF EACH CONDUIT BEND SHALL NOT BE LESS THAN TEN TIMES THE DIAMETER OF THE CONDUIT. IN ADDITION, PULL BOXES ARE REQUIRED FOR EACH SECTION OF CONDUIT THAT EXCEEDS A TOTAL OF 90' BEND OR 90 FEET. PULL BOXES SHALL NOT BE USED FOR A CHANGE IN DIRECTION OF THE CABLE.
 - SIZE PULL BOXES ACCORDING TO ANSI/TIA/EIA-606 SECTION 9.2.3 GUIDELINES.
 - EACH CONDUIT SLEEVE SHALL HAVE BUSHING ENDS AND ONE PULL STRING, MINIMUM. INSTALLED, NOTE: THE CONTRACTOR SHALL PULL ANOTHER PULL STRING ALONG WITH THE CABLING WHEN IT IS PLACED.
- RISER SUMMARY**
- THE COMMUNICATIONS CONTRACTOR SHALL PROVIDE (1) 35 PAIR DATA COPPER CABLE FROM MDF ROOM ON THE LOWER LEVEL (REFT) TO EACH OF ROOM THROUGHOUT THE BUILDING. COORDINATE WITH UR TELECOM/DEPT ON WHERE TO TERMINATE CABLES.
 - THE COMMUNICATIONS CONTRACTOR SHALL PROVIDE (1) 12 STRAND 8-1/2" SINGLE WIRE, ARMORED FIBER OPTIC CABLE FROM THE MDF ROOM ON THE LOWER LEVEL TO EACH OF ROOM THROUGHOUT THE BUILDING.
 - T.C. TO PROVIDE THE FOLLOWING FROM THE NEW ENGINEERING BLDG TO THE WORK BLDG:
 - NEW OUTSIDE RISE (OSP) 48 STRAND 8-1/2" SINGLE WIRE, ARMORED FIBER OPTIC CABLE
 - TERMINATE ALL FIBER CABLES WITH LC CONNECTORS. PROVIDE NEW UNLOADED FIBER PANELS AT BOTH ENDS.
 - 35 PAIR, CAT 3 OSP COPPER CABLE TERMINATED ON 10 BLOCKS.
 - 10 PAIR BELLING EXTENSION PROTECTION BLOCKS TO 10 ON EACH END WITH SOLID STATE PROTECTION MODULES.
 - T.C. TO TERMINATE 35 PAIR CAT 3 CABLE ON 24 PORT ANGLED PATCH PANELS.

- RISER NOTES**
- VOICE AND DATA RISER CABLES SHALL ALL BE RUN IN SEPARATE CONDUIT SLEEVES.
 - LABEL CONDUITS BASED UPON INTENDED USAGE (I.E. VOICE, DATA, CATV, FUTURE, ETC.)
 - PROVIDE FIRE PROOFING FOR ALL CONDUITS AND SLEEVES.
 - T.C. SHALL BE RESPONSIBLE FOR ANY DAMAGED EQUIPMENT WITHIN THE EXISTING TR. BLDGS AND WORK COURSE CONSTRUCTION. IT SHALL REMAIN OPERATIONAL AT ALL TIMES. ANY DAMAGE REQUIRED SHALL BE COORDINATED WITH UR.

- GROUNDING NOTES**
- ALL GROUND WIRE FOR TELECOMMUNICATIONS GROUNDING & BONDING SYSTEM TO BE RUN IN A SEPARATE "I" CONDUIT.
 - ALL GROUND BARS, WIRE, ASSOCIATED CONDUIT & MATERIALS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LOCATION OF GROUND BARS TO BE COORDINATED WITH TELECOMMUNICATIONS CONTRACTOR.
 - GROUNDING OF ALL TELECOMMUNICATIONS COMPONENTS TO BE PERFORMED BY TELECOMMUNICATIONS CONTRACTOR.
 - ALL TELECOM ROOMS SHALL BE TIED BACK TO THE MAIN TELECOM ROOM (MDF) WITH #6 AWG GROUND WIRE OR WAVE ELECTRICAL GROUND.



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07/31/17	ISSUE NO. 5
04/26/17	ISSUE NO. 4
04/21/17	ISSUE NO. 3 - ADD. 1
04/07/17	ISSUE NO. 3
03/10/17	ISSUE NO. 2 - ADD. 3
02/17/17	ISSUE NO. 2

D R A W I N G I S S U E

PROJECT: 15085.00
SCALE: 1/8" = 1'-0"
T E L E C O M M

TITLE: TELECOMM RISER DIAGRAM

NUMBER: TC301

