

TYPICAL CONSTRUCTION DETAILS

Designer Note: The ICT Designer shall provide construction details for projects that fully document Yale IT Standards and best practices. This Appendix contains sample construction details indicative of the minimum level of documentation expected for typical projects designs. The ICT Designer shall enhance the information shown in the construction details to fully document the specific design requirements of each project.

YALE IT STRUCTURED CABLING SYSTEMS DETAIL LIST

DETAIL NUMBER	DETAIL NAME
<i>GENERAL DETAILS GROUP</i>	
T001	DRAWING SYMBOL SCHEDULE
T002	DRAWING ABBREVIATIONS
<i>STRUCTURED CABLING INFRASTRUCTURE DETAILS GROUP</i>	
T003	OPEN TOP CABLE SUPPORT DETAIL
T004	TELECOMMUNICATIONS OUTLET CONDUIT AND BACKBOX DETAIL
T005	TELECOMMUNICATIONS SURFACE RACEWAY FEED IN DETAIL
T006	ENGINEERED THROUGH PENETRATION SLEEVE DETAIL
T007	PRIMARY BONDING BUSBAR (PBB) DETAIL
T008	SECONDARY BONDING BUSBAR (SBB) DETAIL
T009	MULTISERVICE LARGE FLOOR BOX DETAIL
T010	MULTISERVICE LARGE POKETHROUGH DETAIL
T011	FLOOR BOX DETAIL
T012	POKETHROUGH DETAIL
T013	WIREMESH CABLE TRAY SPLICE DETAIL
T014	WIREMESH CABLE TRAY SUPPORT DETAIL
T015	WIREMESH CABLE TRAY SECTION DETAIL
<i>STRUCTURED CABLING DETAILS GROUP</i>	
T016	WALL MOUNTED TELECOM OUTLET FACEPLATE ELEVATIONS
T017	SURFACE RACEWAY TELECOM OUTLET DETAIL
T018	SYSTEMS FURNITURE TELECOM OUTLET DETAIL
T019	WIRELESS ACCESS SPOINT TELECOM OUTLET DETAIL
T020	IP SECURITY CAMERA TELECOM OUTLET DETAIL
T021	EQUIPMENT PANEL TELECOM OUTLET DETAIL
T022	TELECOMMUNICATIONS OUTLET SCHEDULE
T023	TELECOMMUNICATIONS OUTLET SCHEDULE
T024	FACEPLATE LABELING DETAIL
T025	PATCH PANEL LABELING DETAIL
T026	VOICE PATCH PANEL CROSSCONNECT DETAIL
<i>TELECOM ROOM DETAILS GROUP</i>	
T027	10'X14' TR ENLARGED PLAN

T028	10'X14' TR WALL ELEVATIONS
T029	10'X11' TR ENLARGED PLAN
T030	10'X9' TR ENLARGED PLAN
T031	10'X8' TR ENLARGED PLAN
T032	4'X8'-6" STR ENLARGED PLAN
T033	TELECOM ENCLOSURE CABINET DETAIL
T034	MDT ROOM TELECOM RACK LINE ELEVATION
T035	IDT ROOM TELECOM RACK LINE ELEVATION
<i>COMMUNICATIONS RISER DIAGRAMS</i>	
T036	TELECOMMUNICATIONS RISER DIAGRAM
T037	TELECOMMUNICATIONS GROUNDING RISER DIAGRAM
T038	AREA OF RESCUE COMMUNICATIONS RISER DIAGRAM
<i>COMMUNICATIONS OUTSIDE PLANT DETAILS GROUP</i>	
T039	TELECOM MAINTENANCE HOLE DETAILS
T040	TELECOM HANDHOLE DETAILS
T041	TELECOM DUCTBANK DETAIL - TWO (2) 4" CONDUITS
T042	TELECOM DUCTBANK DETAIL - THREE (3) 4" CONDUITS
T043	TELECOM DUCTBANK DETAIL - FOUR (4) 4" CONDUITS
T044	CONDUIT BUILDING POINT OF ENTRANCE DETAIL

SECURITY SYSTEMS DETAIL LIST

DETAIL NUMBER	DETAIL NAME
<i>GENERAL DETAILS GROUP</i>	
T045a	SECURITY DRAWINGS SYMBOL SCHEDULE
T045b	SECURITY DRAWINGS SYMBOL SCHEDULE
T046	SECURITY DRAWINGS ABBREVIATIONS
<i>SECURITY RISER DIAGRAMS</i>	
T047	ACCESS CONTROL RISER DIAGRAM
T048	SECURITY CAMERA RISER DIAGRAM
T049	ELEVATOR CAB SECURITY RISER DIAGRAM
T050	VIDEO INTERCOM SYSTEM RISER DIAGRAM
<i>SECURITY ACCESS CONTROL DOOR DIAGRAMS</i>	
T051	DOOR TYPE C1 - INTEGRATED CARD READER, SINGLE DOOR
T052	DOOR TYPE C1I - INTEGRATED CARD READER, SINGLE DOOR, VIDEO INTERCOM
T053	DOOR TYPE C1K - WALL CARD READER WITH KEYPAD
T054	DOOR TYPE C2 - INTEGRATED CARD READER, DOUBLE DOOR, EXIT DEVICE
T055	DOOR TYPE C2 - INTEGRATED CARD READER, DOUBLE DOOR, FIXED LEAF
T056	DOOR TYPE C2AO - CARD READER WITH AUTO OPENER, DOUBLE DOOR

T057	DOOR TYPE EEO - EMERGENCY EXIT ONLY
T058	DOOR TYPE EO - EXIT ONLY
T059	DOOR TYPE S1R - CARD READER, STAIRWELL RE-ENTRY, SINGLE DOOR
T060	DOOR TYPE CSL - SLIDING AUTO OPERATOR DOOR
T061	DOOR TYPE M1 - MONITORED SINGLE DOOR
T062	DOOR TYPE M2 - MONITORED DOUBLE DOOR
T063	DOOR TYPE DE1 - DELAYED EGRESS, SINGLE DOOR
T064	DOOR TYPE DE2 - DELAYED EGRESS, DOUBLE DOOR

AUDIOVISUAL SYSTEMS DETAIL LIST

DETAIL NUMBER	DETAIL NAME
<i>GENERAL DETAILS GROUP</i>	
T065	DRAWING SYMBOL SCHEDULE
T066	SURFACE MOUNTED FLAT PANEL BACKING DIAGRAM
T067	COMPACT TEACHING STATION
T068	CREDENZA WITH RACK
T069	FULL SIZE TEACHING STATION
T070	HEIGHT ADJUSTABLE TABLE

REVISIONS		
NO.	DATE	DESCRIPTION
<u>Bold Underline</u> = Latest Revision		

COMMUNICATIONS



TELECOMMUNICATIONS OUTLET DEFINED AS

X - QUANTITY OF CABLES/JACKS AT OUTLET
Y - APPLICATION OF CABLE TYPE WHERE:
N - NETWORK
W - WIRELESS ACCESS POINT
V - TELEVISION SERVICE OUTLET
SC - SECURITY CAMERA
TC - TIME CLOCK
FA - FIRE ALARM PANEL
BS - BUILDING SYSTEM
T - TELEPHONE
MM - MULTIMODE OPTICAL FIBER FTTD
SM - SINGLEMODE OPTICAL FTTD

ZZ - MOUNTING CONDITION
— - BLANK, WALL MOUNTED +18" OR AS OTHERWISE NOTED
SF - MOUNTED IN SYSTEMS FURNITURE
CLG - MOUNTED FLUSH ON CEILING
AFC - MOUNTED ABOVE FINISHED CEILING
SR - MOUNTED IN SURFACE RACEWAY
TV - MOUNTED TO SERVE FLAT PANEL
WT - MOUNTED TO SERVE WALL MOUNTED TELEPHONE
SM - SURFACE MOUNTED CONDITION
CP - MOUNTED TO SERVE CEILING PROJECTOR
FB - MOUNTED IN FLOORBOX/POKE THROUGH
DA - DIRECT ATTACHMENT PLUG CONNECTION
EP - MOUNTED IN EQUIPMENT PANEL



TELECOMMUNICATIONS OUTLET MOUNTED ABOVE COUNTER HEIGHT



TELECOMMUNICATIONS BACKBOX WITH GROMMET FACEPLATE



TELECOMMUNICATIONS BACKBOX WITH BLANK FACEPLATE



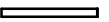
SEALED CONDUIT SLEEVE



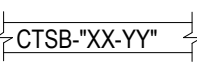
ENGINEERED FIRESTOP PENETRATION SLEEVE



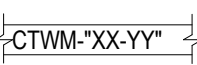
ENGINEERED PENETRATION SMOKE AND ACOUSTICAL SLEEVE



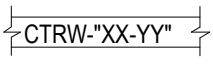
SURFACE MOUNTED RACEWAY SECTION



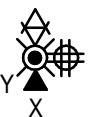
SOLID BOTTOM CABLE TRAY, "XX" INDICATES WIDTH IN INCHES, "YY" INDICATED DEPTH IN INCHES



WIRE MESH CABLE TRAY, "XX" INDICATES WIDTH IN INCHES, "YY" INDICATED DEPTH IN INCHES



CABLE RUNWAY CABLE TRAY, "XX" INDICATES WIDTH IN INCHES, "YY" INDICATED DEPTH IN INCHES



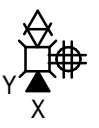
FLUSH POKE THROUGH, WITH POWER, DATA, AND AV CONNECTIONS. "X" INDICATES TELECOM OUTLET TYPE IN POKE THROUGH AND "Y" INDICATES POKE THROUGH TYPE - REFER TO SPECIFICATIONS



FLUSH POKE THROUGH, WITH POWER AND DATA CONNECTIONS. "X" INDICATES TELECOM OUTLET TYPE IN POKE THROUGH AND "Y" INDICATES POKE THROUGH TYPE - REFER TO SPECIFICATIONS



FLUSH POKE THROUGH, WITH POWER CONNECTIONS. SEE ELECTRICAL POWER DRAWINGS FOR DETAILS. "Y" INDICATES POKE THROUGH TYPE - REFER TO SPECIFICATIONS



FLUSH FLOOR BOX, WITH POWER, DATA, AND AV CONNECTIONS. "X" INDICATES TELECOM OUTLET TYPE IN FLOOR BOX AND "Y" INDICATES FLOOR BOX TYPE - REFER TO SPECIFICATIONS



FLUSH FLOOR BOX, WITH POWER AND DATA CONNECTIONS. "X" INDICATES TELECOM OUTLET TYPE IN FLOOR BOX AND "Y" INDICATES FLOOR BOX TYPE - REFER TO SPECIFICATIONS



FLUSH FLOOR BOX, WITH POWER CONNECTIONS. SEE ELECTRICAL POWER DRAWINGS FOR DETAILS. "Y" INDICATES FLOOR BOX TYPE - REFER TO SPECIFICATIONS



TUBE DISTRIBUTION UNIT



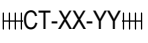
BUILDING ENTRANCE PROTECTOR



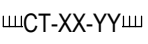
110-STYLE CROSSCONNECT BLOCK



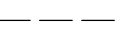
66-STYLE CROSSCONNECT BLOCK



CENTER SPLINE CABLE TRAY ("XX" INDICATES WIDTH IN INCHES, "YY" INDICATED DEPTH IN INCHES) ABOVE FINISHED ACCESIBLE CEILING



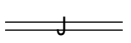
WALL MOUNTED CABLE TRAY ("XX" INDICATES WIDTH IN INCHES, "YY" INDICATED DEPTH IN INCHES) ABOVE FINISHED ACCESSIBLE CEILING



CONDUIT ROUTED UNDERNEATH FLOOR SLAB



TELECOM ROOM SERVING ZONE BOUNDARY



J-HOOK (OPEN TOP CABLE SUPPORT) RUN



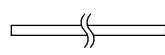
JUNCTION BOX



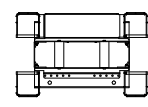
TELECOMMUNICATIONS PRIMARY BONDING BUSBAR



TELECOMMUNICATIONS SECONDARY BONDING BUSBAR



3/4" FIRE RETARDANT GRADE AC PLYWOOD BACKBOARD WALL MOUNTED



TELECOMMUNICATIONS TWO POST EQUIPMENT RACK WITH VERTICAL MANAGERS



SERVER CABINET



TELECOM POLE CEILING FEED

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Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

DRAWING SYMBOLS SCHEDULE

Detail Number

T001

Revision No.
1.0

Date
07/31/2020

ABBREVIATIONS

1/C	SINGLE CONDUCTOR	DED	DEDICATED	HORIZ	HORIZONTAL	OC	ON CENTER	T-STAT	THERMOSTAT
A	AMPS	DET	DETAIL	HP	HORSEPOWER	OD	OUTSIDE DIAMETER	TBB	TELECOMMUNICATIONS BONDING BACKBONE
A/C	AIR CONDITIONING UNIT	DF	DRINKING FOUNTAIN	HTG	HEATING	OFE	OWNER FURNISHED EQUIPMENT	TE	TELECOMMUNICATIONS ENCLOSURE
AC	ALTERNATING CURRENT	DIAM	DIAMETER	HTGHV	HEATING HIGH VOLTAGE	OH	OVERHEAD	TELE	TELEPHONE
ACT	ABOVE CEILING TILE	DIM	DIMENSION	HV	HIGH VOLTAGE	OPNG	OPENING	TELECOM	TELECOMMUNICATIONS
ADA	AMERICANS w/ DISABILITIES ACT	DISC	DISCONNECT	HW	HOT WATER	OS	OCCUPANCY SENSOR	TEMP	TEMPERATURE
ADD'L	ADDITIONAL	DIV.	DIVISION	HZ	HERTZ	OSP	OUTSIDE PLANT	TERM	TERMINAL
ADJ	ADJUSTABLE	DN	DOWN					TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
AFC	ABOVE FINISHED CEILING	DPR	DAMPER	IC	INTERMEDIATE CROSSCONNECT	PBB	PRIMARY BONDING BUSBAR	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
AFCI	ARC FAULT CIRCUIT INTERRUPTER	DWG	DRAWING	IDF	INTERMEDIATE DISTRIBUTION FRAME	PC	PHOTO CELL	THK	THICK
AFF	ABOVE FINISHED FLOOR	DWH	DOMESTIC WATER HEATER	IDT	INTERMEDIATE DISTRIBUTION TERMINAL	PD	PUNCH DOWN	TOF	TOP OF FIXTURE
AFG	ABOVE FINISHED GRADE			IMC	INTERMEDIATE METAL CONDUIT	PE	PNEUMATIC TUBING	TR	TELECOMMUNICATIONS ROOM
AHU	AIR HANDLING UNIT	EA	EACH	INCL	INCLUDE	PEND	PENDANT	TV	TELEVISION
AL	ALUMINUM	EC	ELECTRICAL CONTRACTOR	INFO	INFORMATION	PH	PENTHOUSE	TYP	TYPICAL
ALD	ASSISTED LISTENING DEVICE	ELEC	ELECTRICAL	INST	INSTANTANEOUS	PLBG	PLUMBING		
ALT	ALTERNATE	ELEV	ELEVATOR	INSUL	INSULATION	PNL	PANEL	UG	UNDERGROUND
ARCH	ARCHITECTURAL	EM	EMERGENCY ONLY			POE	POINT OF ENTRANCE	UH	UNIT HEATER
ATS	AUTOMATIC TRANSFER SWITCH	EM GEN	EMERGENCY GENERATOR	JAN	JANITOR	POS	POINT OF SERVICE	UNO	UNLESS NOTED OTHERWISE
AUTO	AUTOMATIC	EMT	ELECTRICAL METALLIC TUBING	JB	JUNCTION BOX	PR	PAIR	UON	UNLESS OTHERWISE NOTED
AVG	AVERAGE	ENCL	ENCLOSURE	JT	JOINT	PRESS SW	PRESSURE SWITCH	UTP	UNSHIELDED TWISTED PAIR
		EP	ELECTRIC-PNEUMATIC			PS	PULL SWITCH	UV	UNIT VENTILATOR
		EQUIP	EQUIPMENT	LTG	LIGHTING	PT	POTENTIAL TRANSFORMER		
BC	BONDING CONDUCTOR	ETR	EXISTING TO REMAIN	LTS	LIGHTS	PTZ	PAN/TILT/ZOOM	VDT	VISUAL DISPLAY TERMINAL
BFC	BELOW FINISHED CEILING	EWC	ELECTRIC WATER COOLER	LV	LOW VOLTAGE			VERT	VERTICAL
BFG	BELOW FINISH GRADE	EXH	EXHAUST	LVR	LOUVER			VFD	VARIABLE FREQUENCY DRIVE
BKR	BREAKER	EXIST	EXISTING			RA	RETURN AIR	VGA	VIDEO GRAPHICS ARRAY
BLDG	BUILDING	EXTER	EXTERIOR			REC	RECESSED	VOL	VOLUME
BOF	BOTTOM OF FIXTURE			MAX	MAXIMUM	RECEPT	RECEPTACLE	VS	VACANCY SENSOR
BTM	BOTTOM			MC	MECHANICAL CONTRACTOR	REQD	REQUIRED	VT	VAPOR TIGHT
		F&I	FURNISH AND INSTALL	MCC	MAIN CIRCUIT BREAKER	RM	ROOM		
		FAB	FABRICATE	MCT	MOTOR CONTROL CENTER			SBB	SECONDARY BONDING BUSBAR
C	CONDUIT	FACP	FIRE ALARM CONTROL PANEL	MDF	MAIN CROSSCONNECT			SEC	SECURITY
CAP	CAPACITY	F.A.ZONE	FIRE ALARM ZONE	MDT	MAIN DISTRIBUTION FRAME			SECT	SECTION
CATV	COMMUNITY ACCESS TELEVISION	FBO	FURNISHED BY OTHERS	MER	MAIN DISTRIBUTION TERMINAL			SIM	SIMILAR
CFM	CUBIC FEET/MINUTE	FDGP	FIRE ALARM DATA GATHERING PANEL	MECH	MECHANICAL EQUIPMENT ROOM			SM	SINGLE MODE FIBER OPTIC STRAND
CIRC	CIRCULATING	FIN	FINISH	MFR.	MECHANICAL			SMR	SURFACE MOUNTED RACEWAY
CKT	CIRCUIT	FIXT	FIXTURE	MH	MANUFACTURER			SPD	SURGE PROTECTED DEVICE
CL	CENTERLINE	FLR	FLOOR	MIN	MANHOLE			SQ FT	SQUARE FOOT
CLG	CEILING MOUNTED	FLUOR	FLUORESCENT	MISC	MINIMUM			STD	STANDARD
CMU	CONCRETE MASONRY UNIT	FP	FIRE PROTECTION	MLO	MISCELLANEOUS			STL	STEEL
CO	COMPANY	FPC	FIRE PROTECTION CONTRACTOR	MM	MAIN LUG ONLY			STOR	STORAGE
CONC	CONCRETE	FU	FUSE	MOA	MULTIMODE FIBER OPTIC STRAND			STRUCT	STRUCTURAL
CONN	CONNECTION			MTD	MULTI-OUTLET ASSEMBLY			SURF	SURFACE
CONST	CONSTRUCTION	GA	GAUGE	MTG	MOUNTED			SUSP	SUSPENDED
CONT	CONTINUOUS	GAL	GALLONS	MTS	MOUNTING			SUSP CLG	SUSPENDED CEILING
CONTR	CONTRACTOR	GC	GENERAL CONTRACTOR		MAIN TERMINAL SPACE			SW	SWITCH
CPU	CENTRAL PROCESSING UNIT	GFI	GROUND FAULT INTERRUPTER						
CT	CURRENT TRANSFORMER	GRC	GALVANIZED RIGID CONDUIT	NIC	NOT IN CONTRACT				
CTR	CENTER	GRD	GROUND	NO	NUMBER				
CU	COPPER			NOM	NOMINAL				
		HC	HORIZONTAL CROSSCONNECT	NTS	NOT TO SCALE				
		HGT	HEIGHT						

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Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

DRAWING ABBREVIATIONS

Detail Number

T002

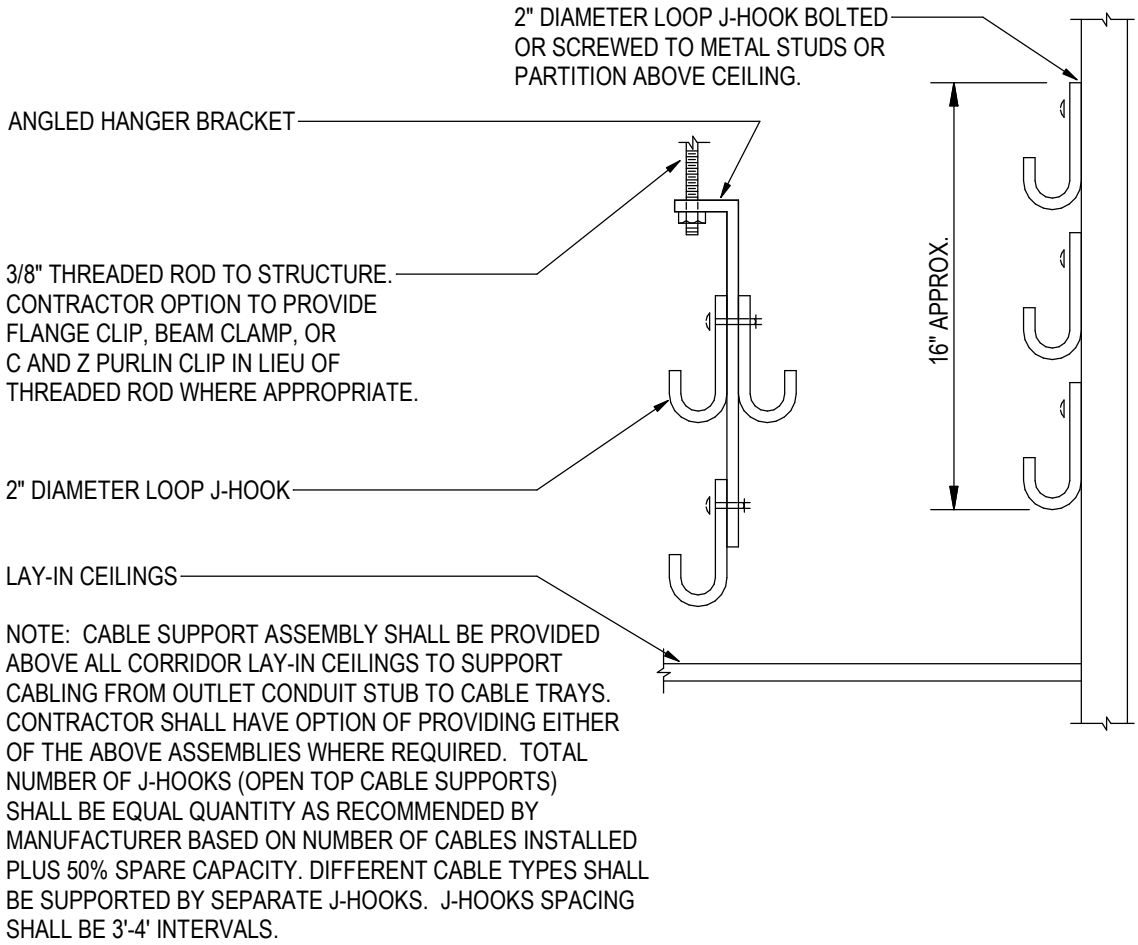
Revision No.

1.0

Date

07/31/2020

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OPEN TOP CABLE SUPPORT DETAIL

Not to Scale



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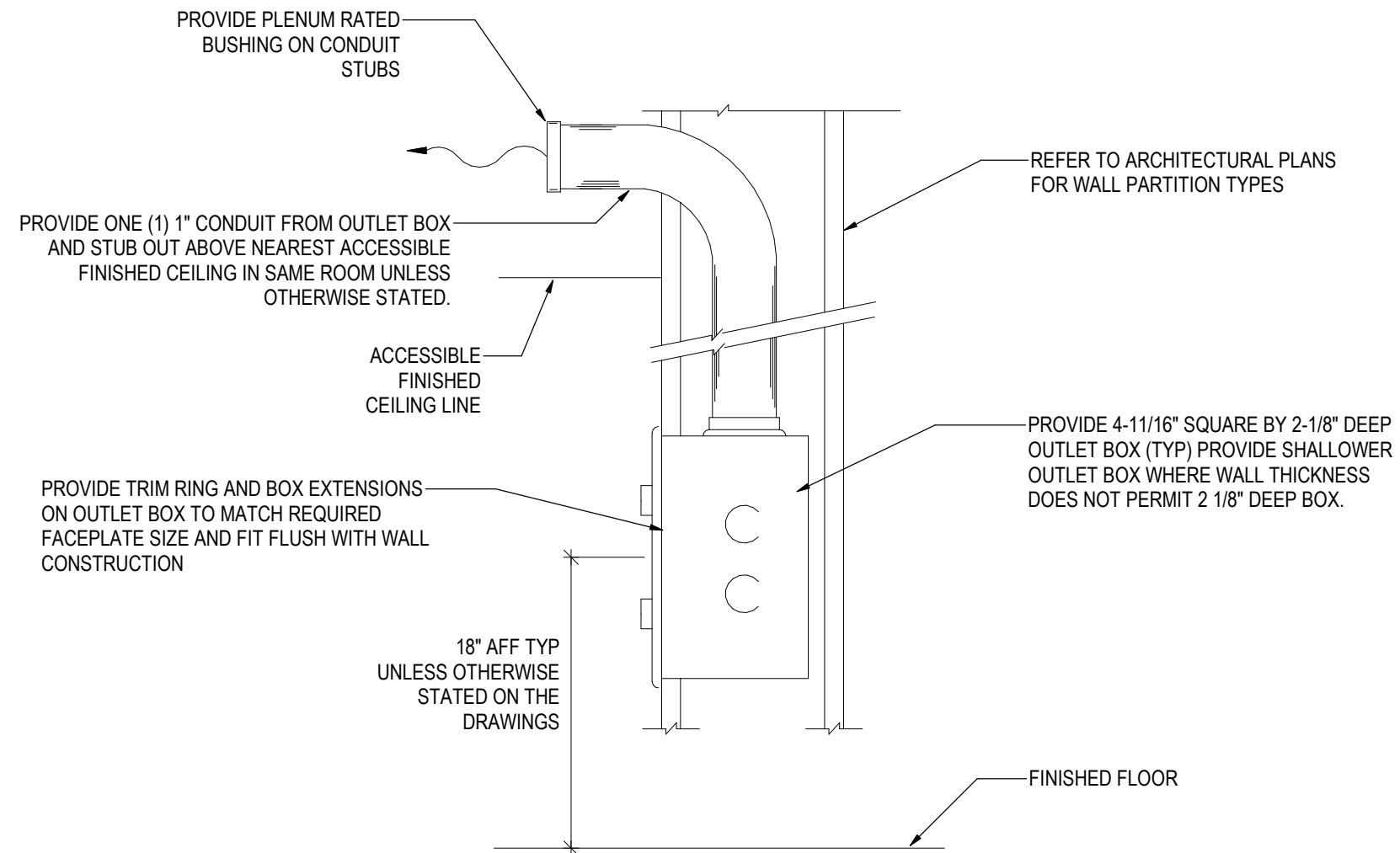
OPEN TOP CABLE
SUPPORT DETAIL

Detail Number

T003

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Date
07/31/2020



TELECOMMUNICATIONS OUTLET CONDUIT AND BACKBOX DETAIL

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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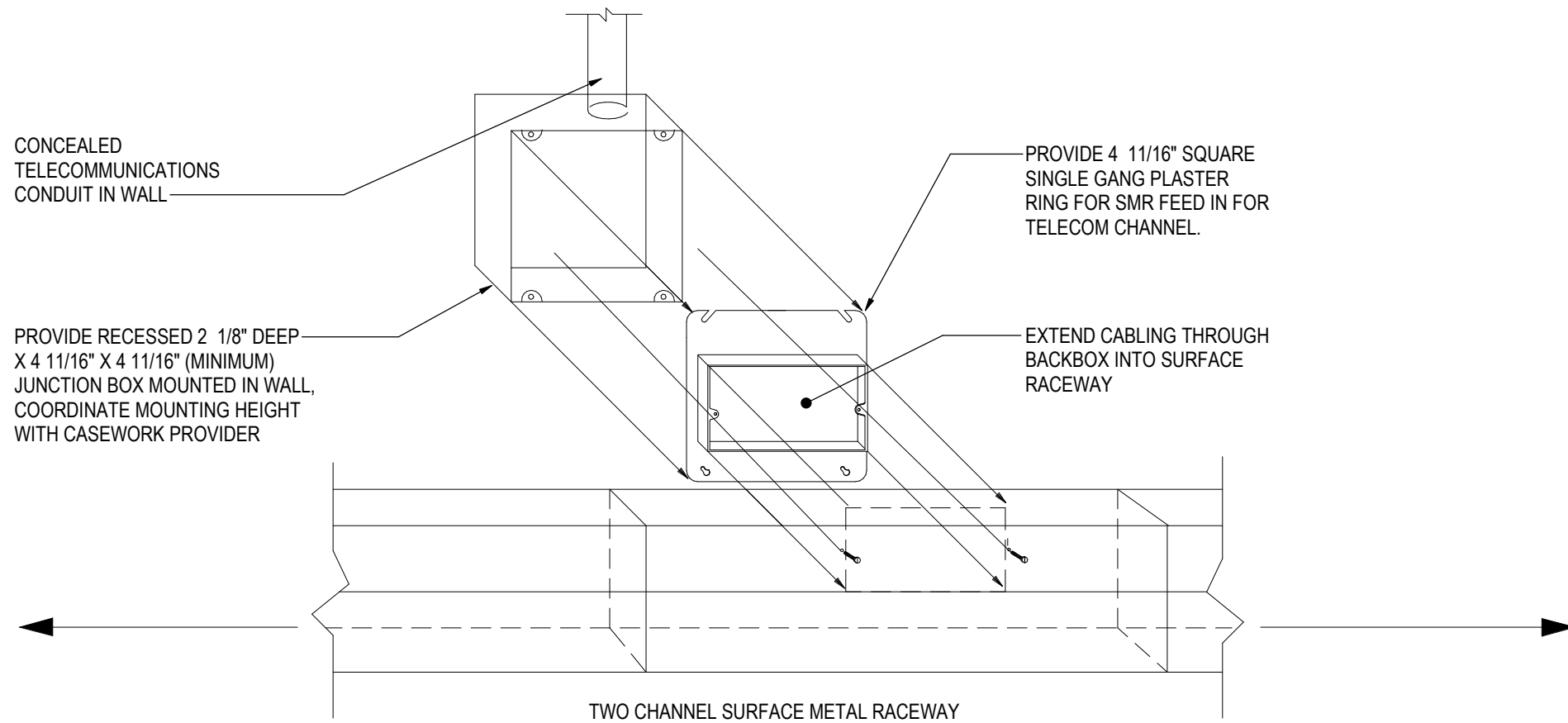
Title

TELECOMMUNICATIONS
OUTLET CONDUIT AND
BACKBOX DETAIL

Detail Number

T004

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PROVIDE FEED-IN TO RACEWAY EVERY 8 FT ALONG LENGTH OF RACEWAY
DETAIL IS FOR GENERAL INFORMATION AND DOES NOT INCORPORATE ALL ACCESSORIES REQUIRED FOR A COMPLETE
INSTALLATION.

TYPICAL TELECOMMUNICATIONS OUTLET SMR FEED-IN

Not to Scale

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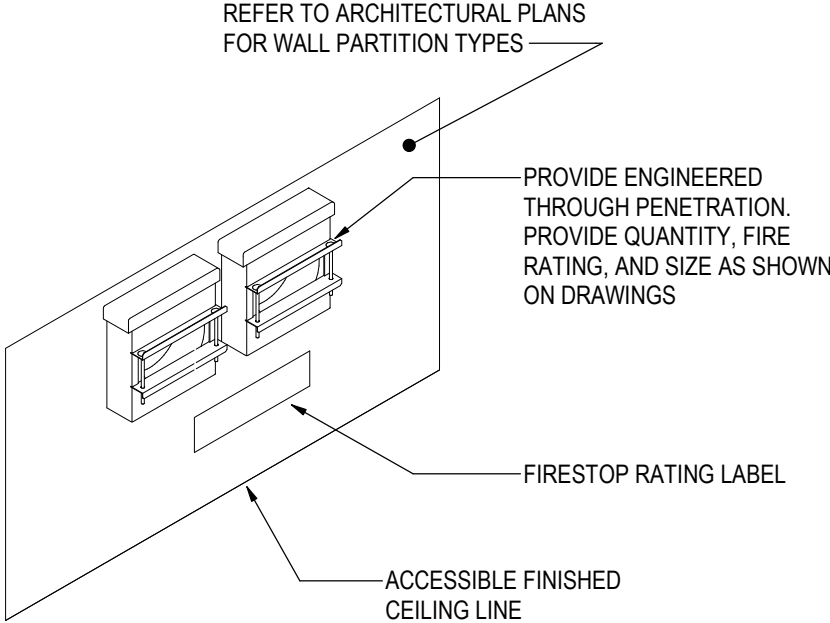
Date
07/31/2020

Title

TELECOMMUNICATIONS
SURFACE RACEWAY FEED
IN DETAIL

Detail Number

T005



ENGINEERED THROUGH PENETRATION SLEEVES DETAIL

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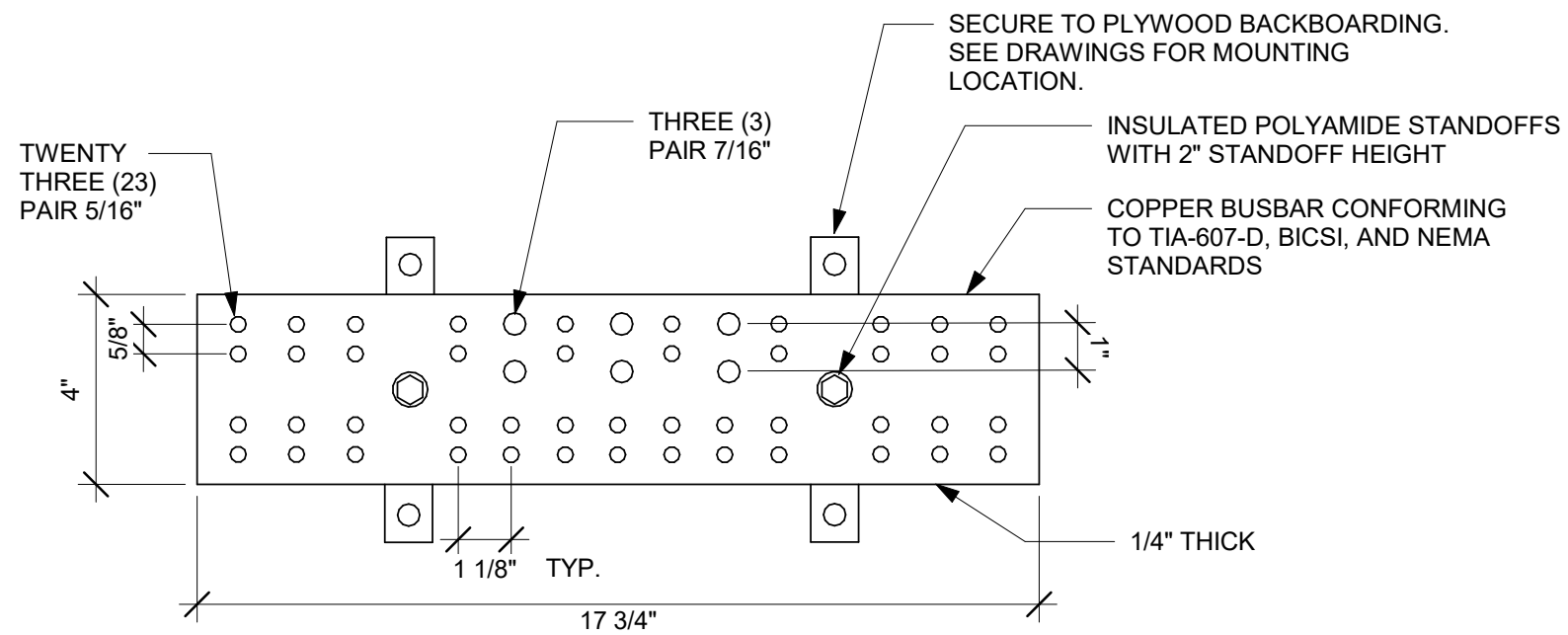
Date
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Title

ENGINEERED THROUGH
PENETRATION SLEEVE
DETAIL

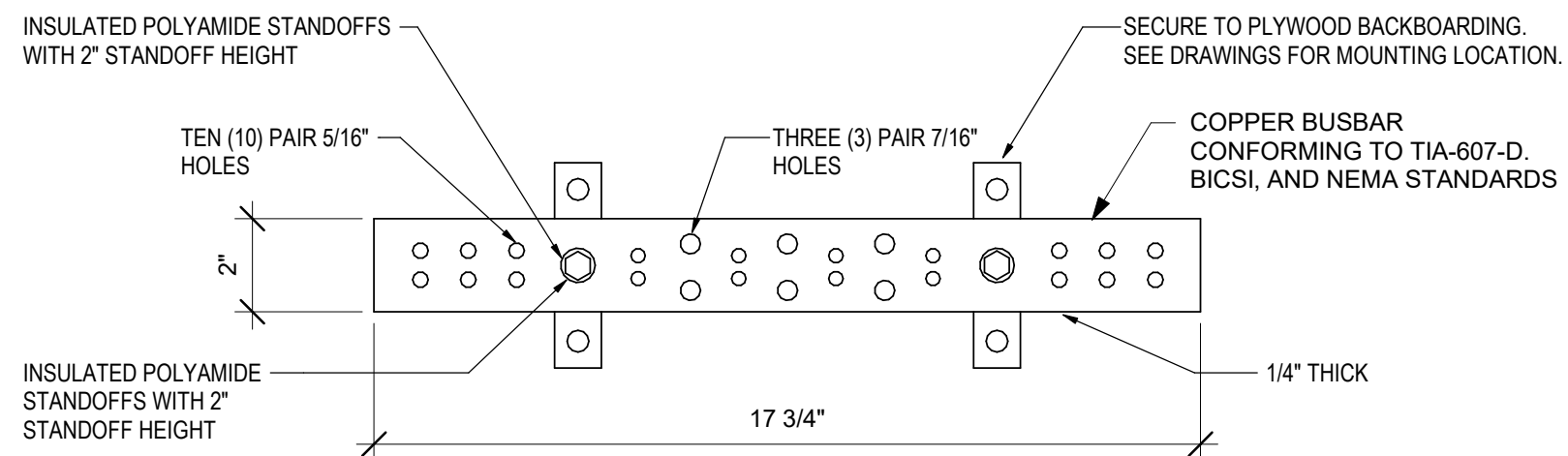
Detail Number

T006



PBB (PRIMARY BONDING BUSBAR) DETAIL

Not to Scale



SECONDARY BONDING BUSBAR (SBB) DETAIL

Not to Scale

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Notes

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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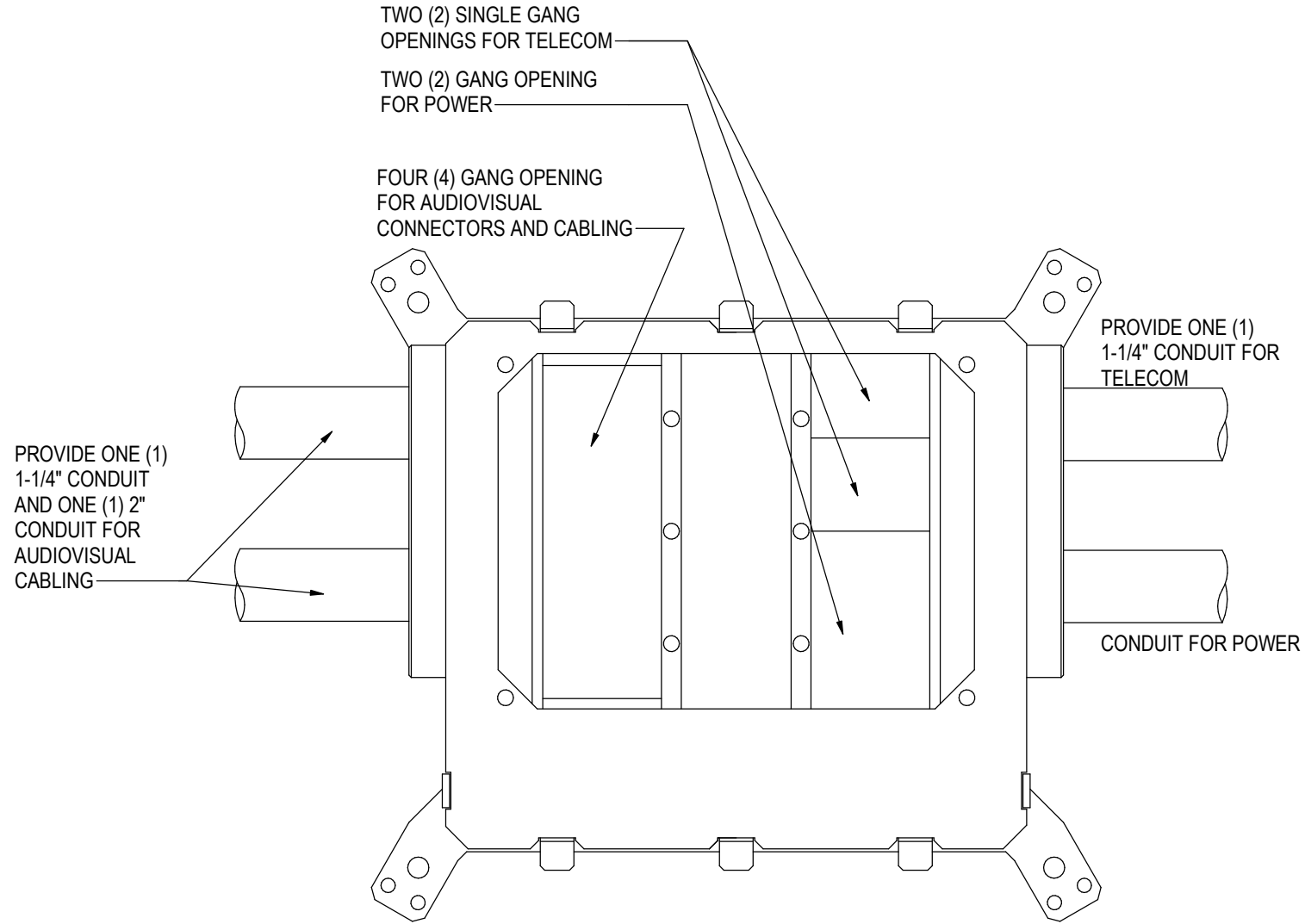
Date
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Title

SECONDARY BONDING
BUSBAR (SBB) DETAIL

Detail Number

T008



MULTISERVICE LARGE FLOOR BOX DETAIL

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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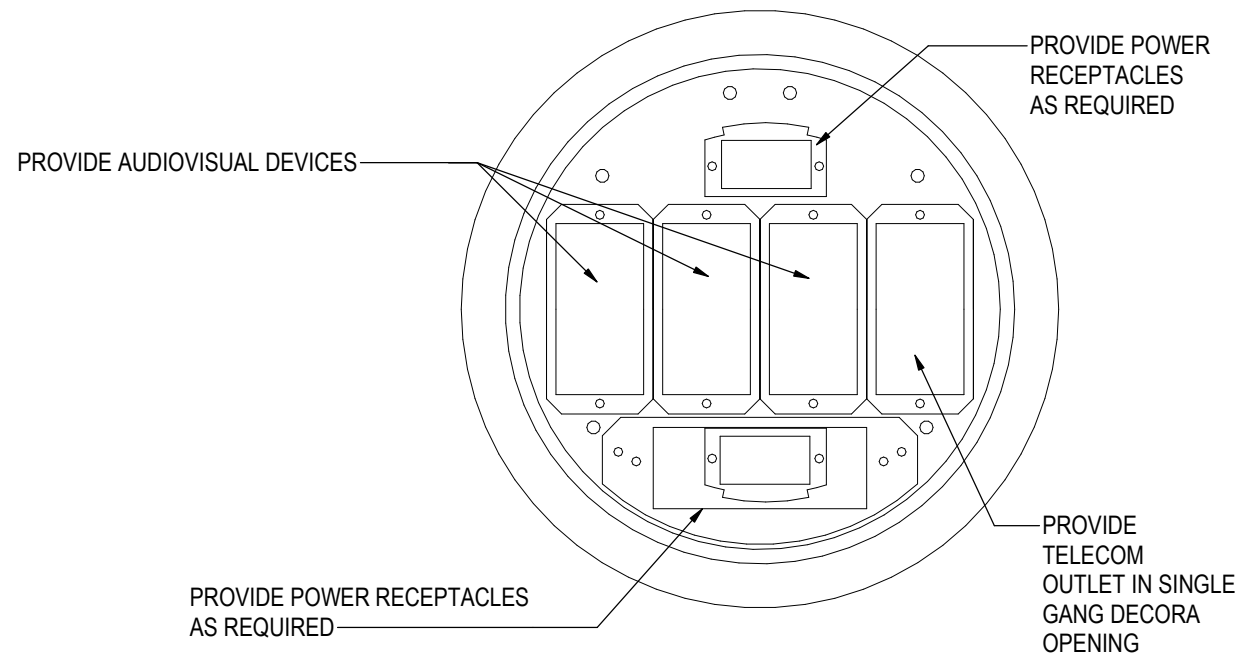
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MULTISERVICE LARGE
FLOOR BOX DETAIL

Detail Number

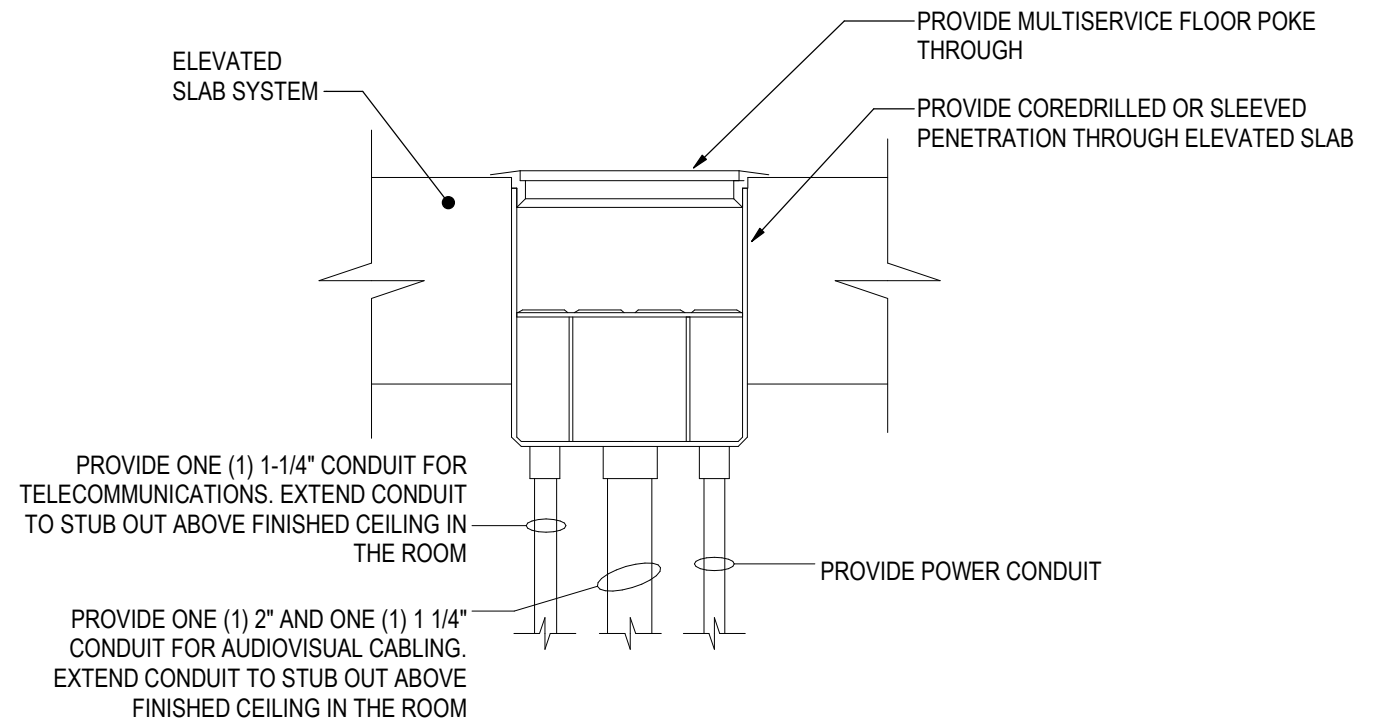
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MULTISERVICE LARGE POKETHROUGH DETAIL

Not to Scale



MULTISERVICE LARGE POKETHROUGH SECTION

Not to Scale

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1.0

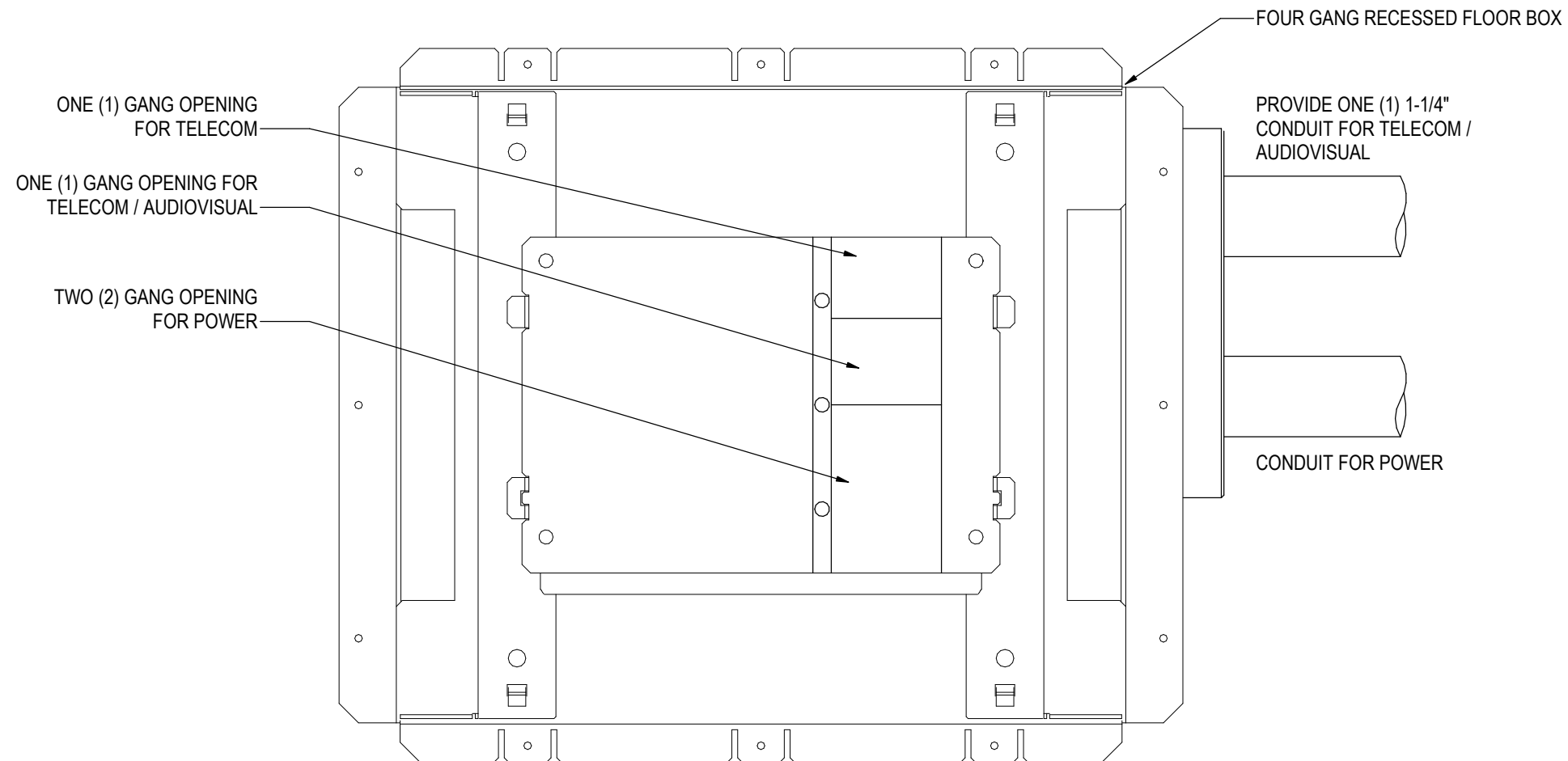
Date
07/31/2020

Title

MULTISERVICE LARGE
POKETHROUGH DETAIL

Detail Number

T010



NOTE:
ROUTE CONDUITS AND STUB OUT ABOVE FINISHED CEILING IN SAME ROOM SERVED BY FLOOR BOX.

FOUR GANG FLOORBOX DETAIL

Not to Scale

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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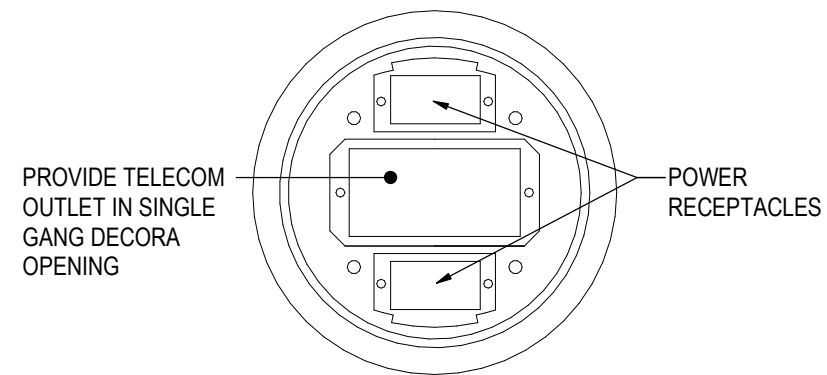
Date
07/31/2020

Title

FLOOR BOX DETAIL

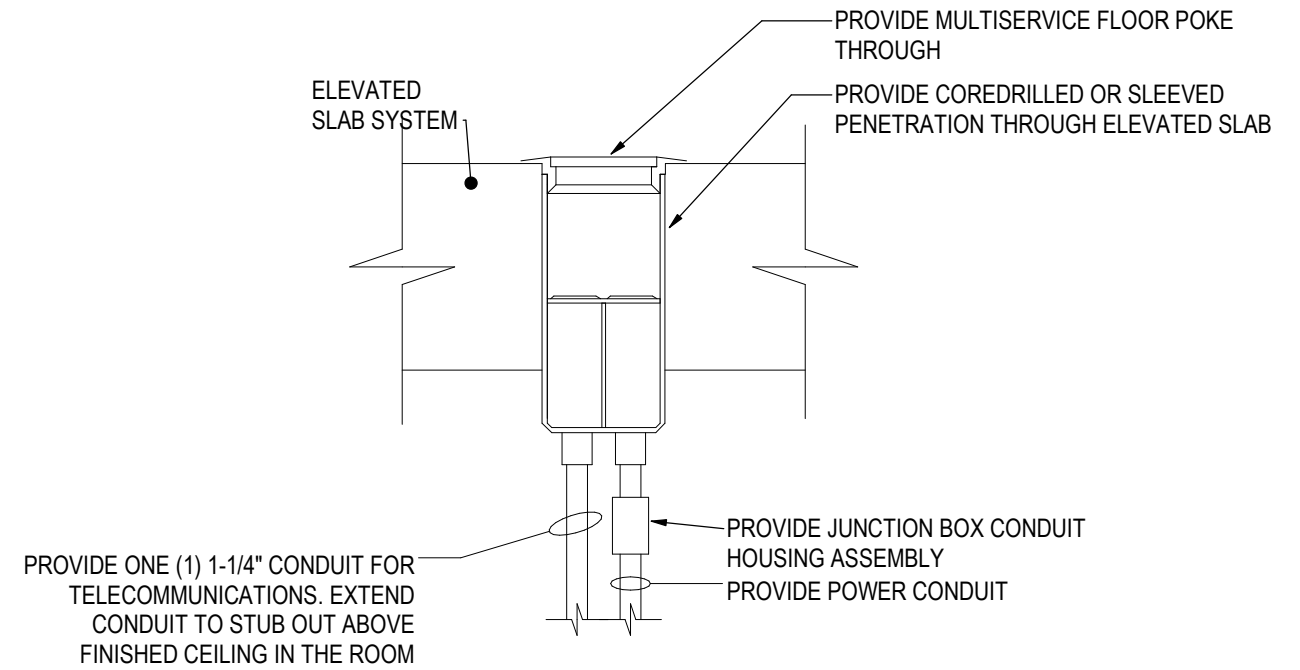
Detail Number

T011



POKETHROUGH DETAIL

Not to Scale



POKETHROUGH SECTION

Not to Scale

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

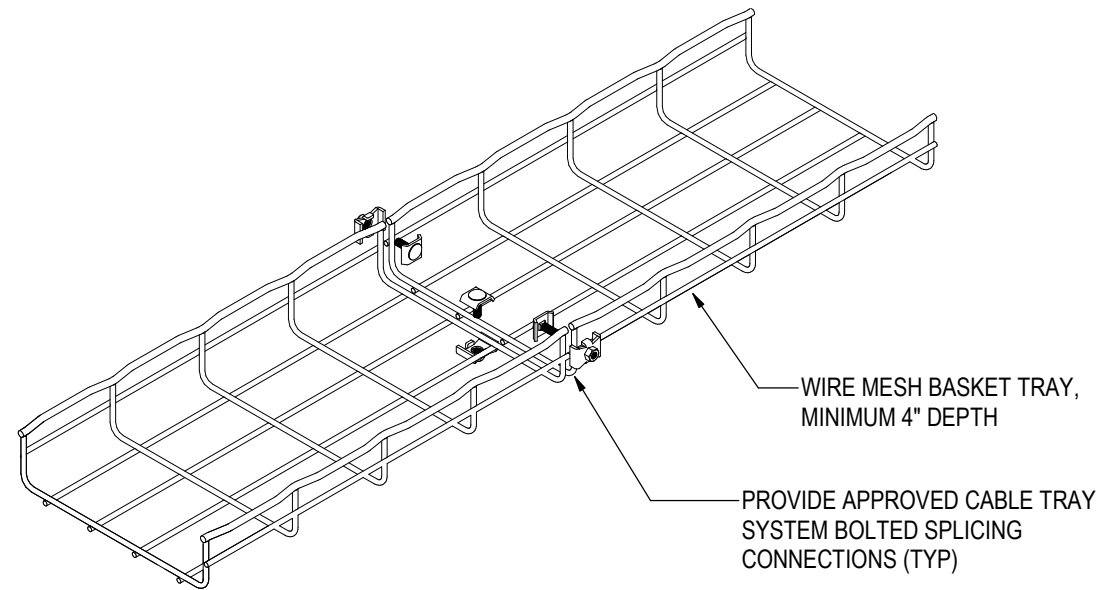
Date
07/31/2020

Title

POKETHROUGH DETAIL

Detail Number

T012



WIRE MESH CABLE TRAY SPLICE DETAIL

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

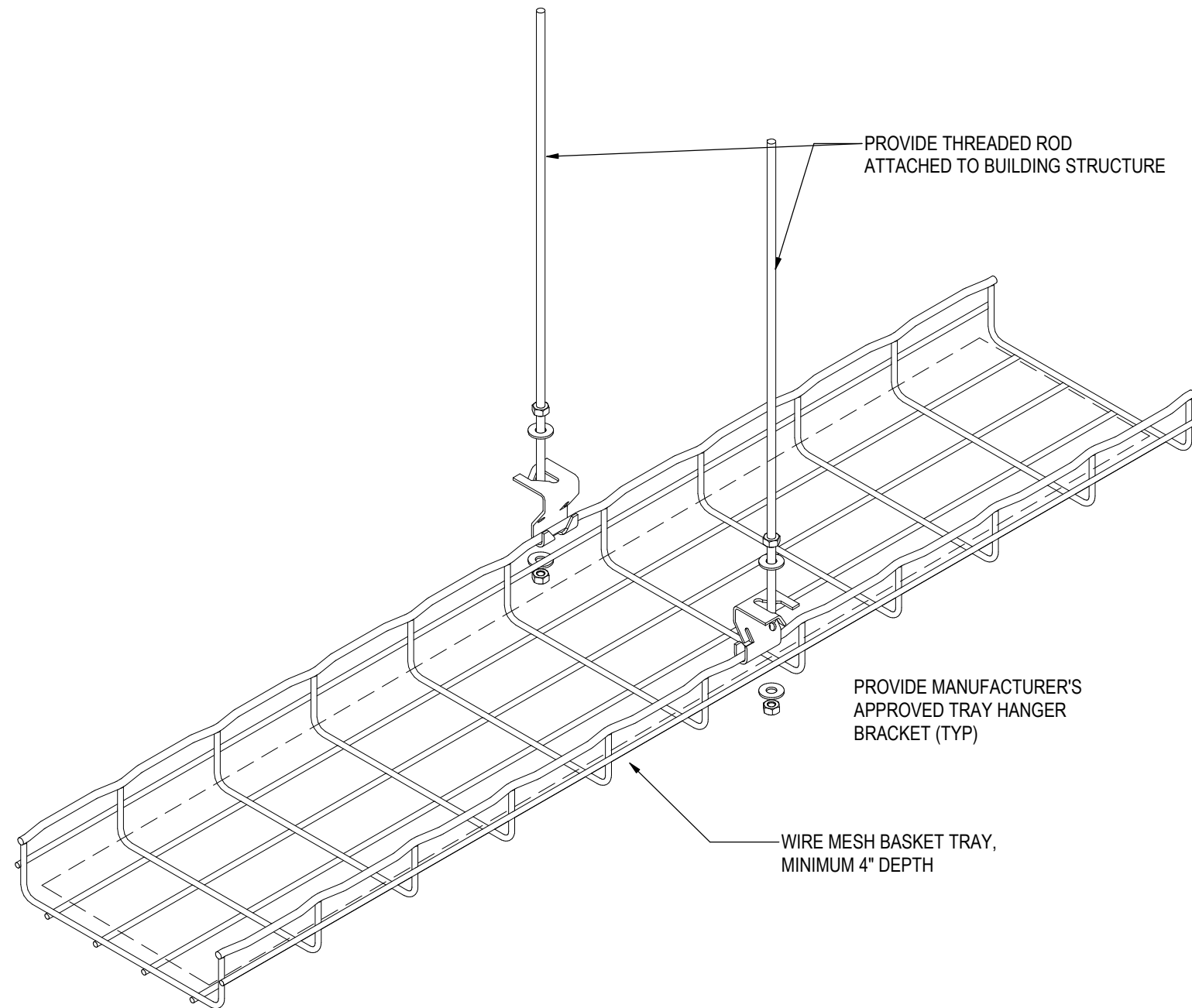
Date
07/31/2020

Title

WIREMESH CABLE TRAY
SPLICE DETAIL

Detail Number

T013



WIRE MESH CABLE TRAY SUPPORT DETAIL

Not to Scale

<Pick location in Project Information>

7/31/2020 4:26:52 PM

Yale

Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

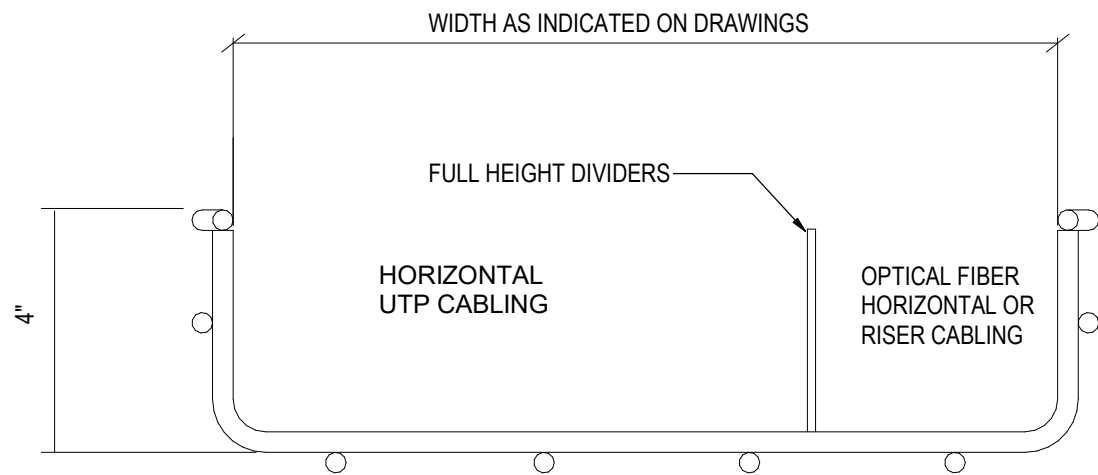
Date
07/31/2020

Title

WIREMESH CABLE TRAY
SUPPORT DETAIL

Detail Number

T014



NOTE: PROVIDE LONG RADIUSED HORIZONTAL BEND AT ALL 90 DEGREE BENDS.

WIRE MESH CABLE TRAY SECTION DETAIL

Not to Scale

7/31/2020 4:26:52 PM <Pick location in Project Information>

Yale

Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

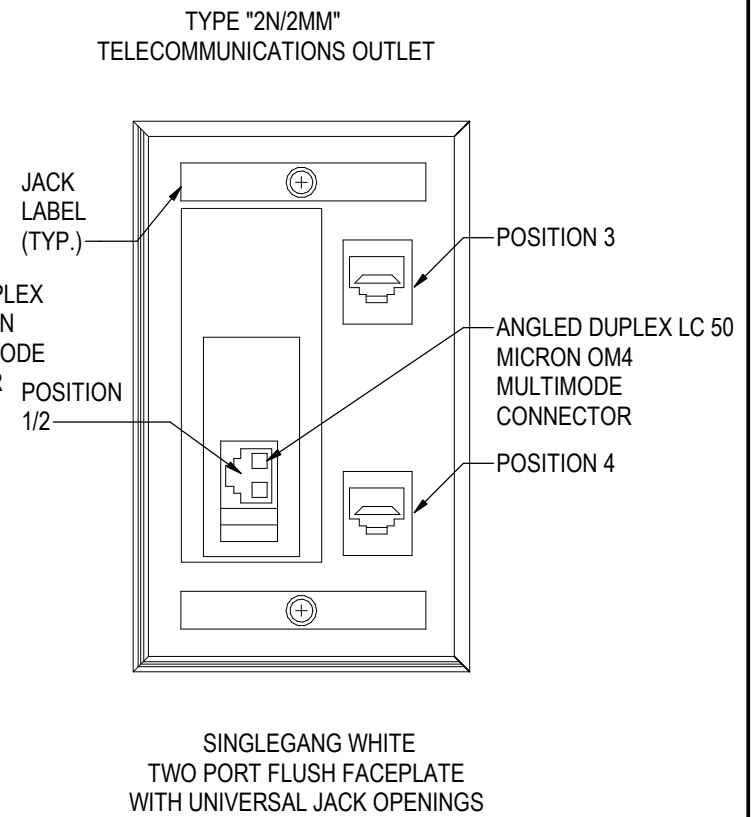
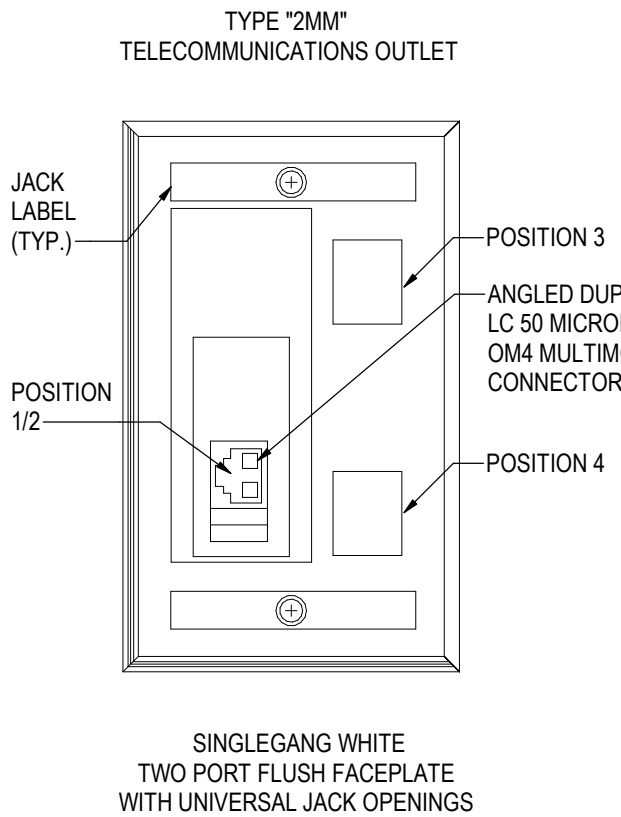
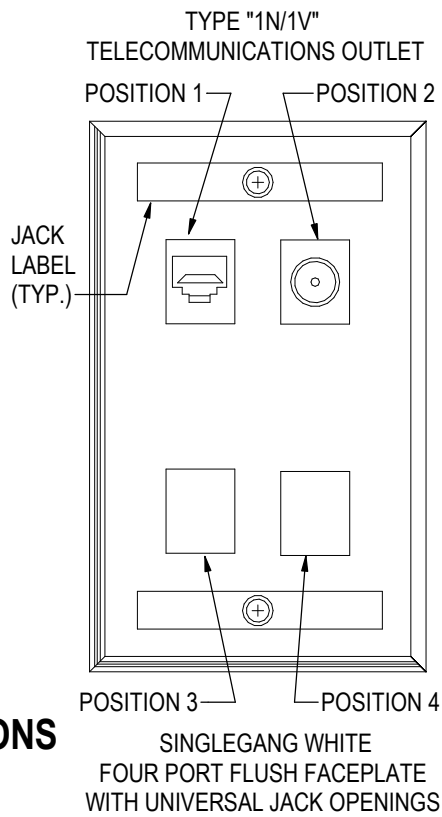
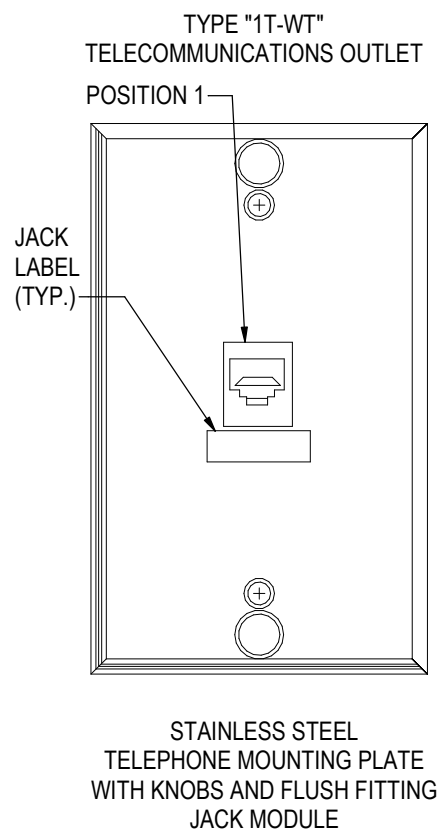
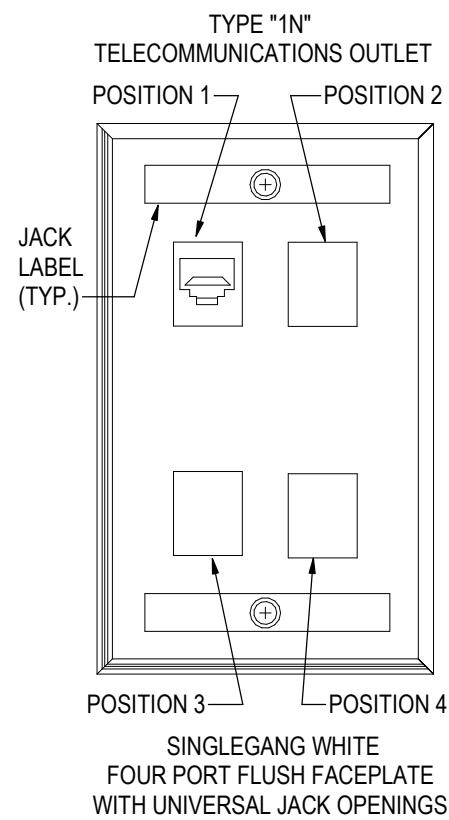
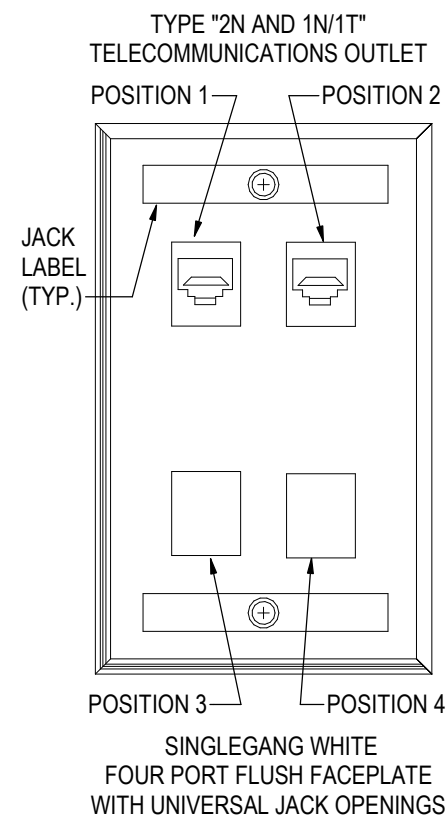
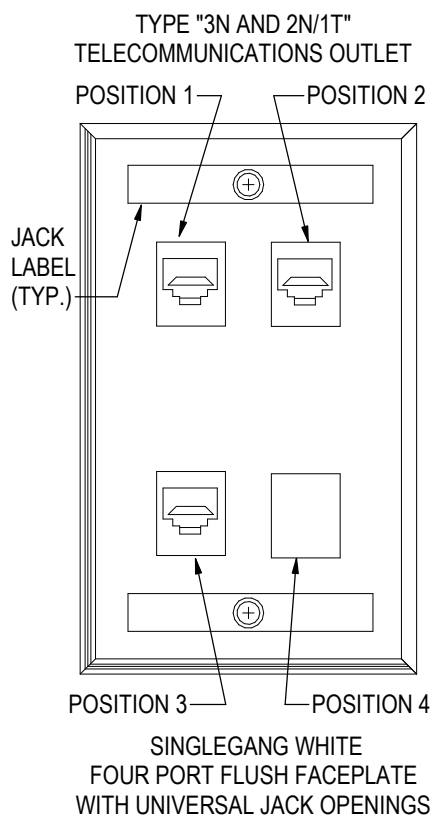
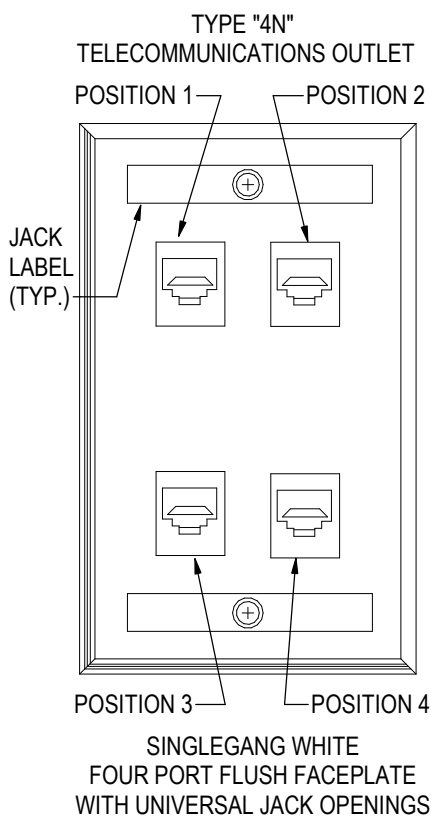
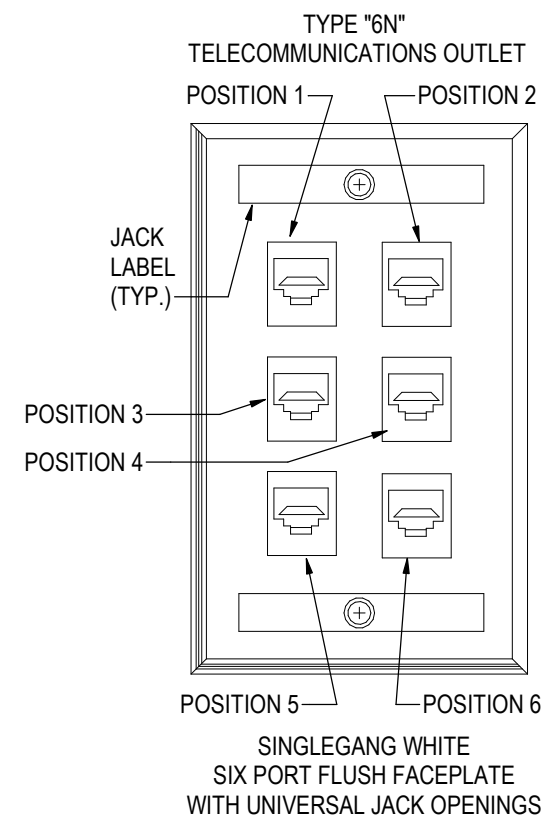
Title

WIREMESH CABLE TRAY
SECTION DETAIL

Detail Number

T015

7/31/2020 4:26:52 PM <Pick location in Project Information>



WALL MOUNTED TELECOMMUNICATIONS OUTLET FACEPLATE ELEVATIONS

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

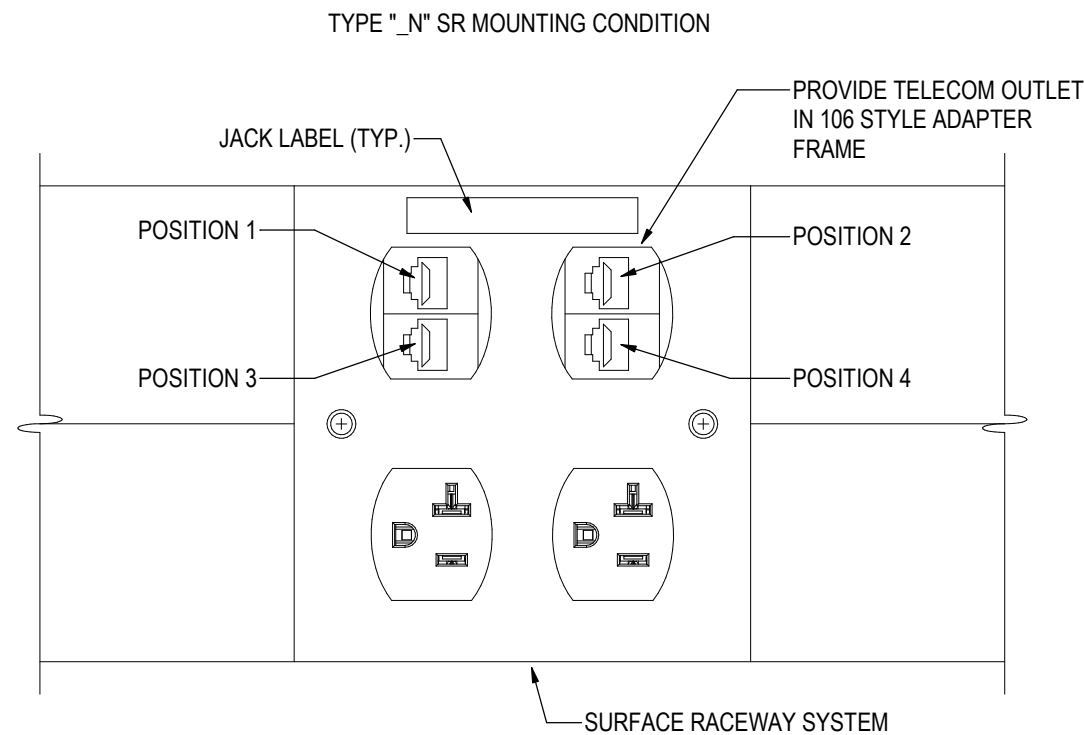
Date
07/31/2020

Title

WALL MOUNTED
TELECOM OUTLET
FACEPLATE ELEVATIONS

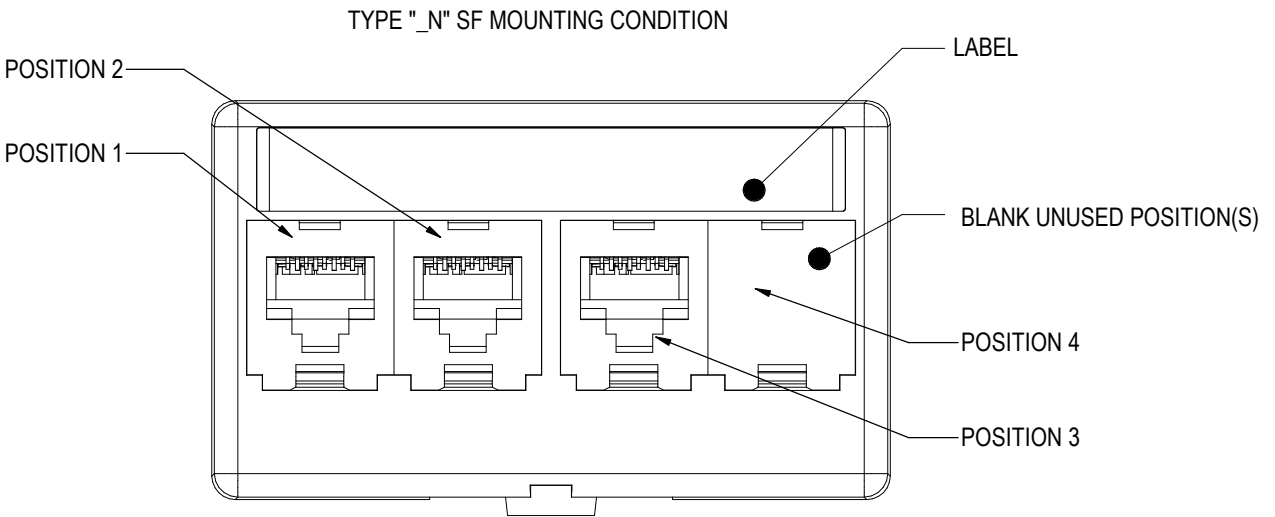
Detail Number

T016



SURFACE RACEWAY (SR MOUNTING CONDITIONS) TELECOM OUTLET DETAIL

Not to Scale



SYSTEMS FURNITURE TELECOM OUTLET DETAIL (SF MOUNTING CONDITION)
Not to Scale

7/31/2020 4:26:53 PM <Pick location in Project Information>

Yale

Notes

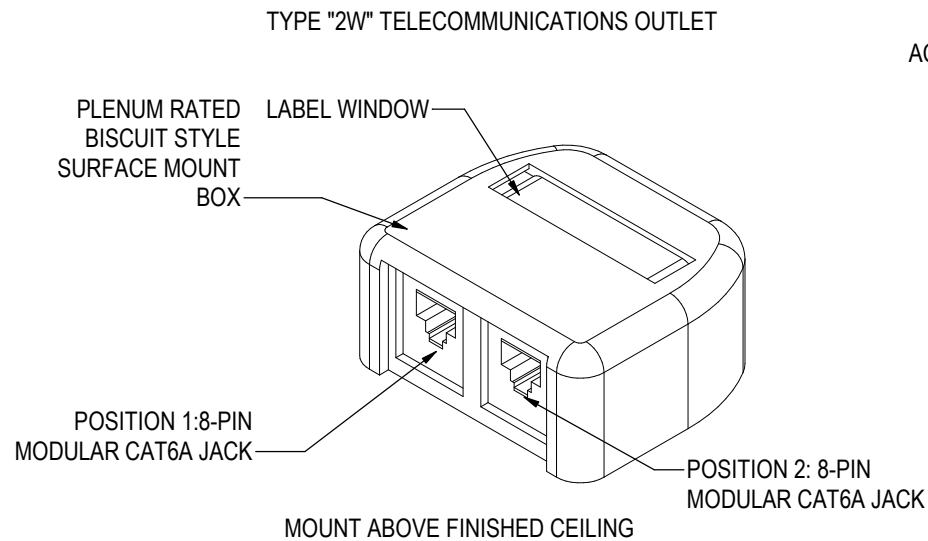
Client/Project
YALE UNIVERSITY
ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No. 1.0 Date 07/31/2020

Title
SYSTEMS FURNITURE
TELECOM OUTLET DETAIL

Detail Number
T018

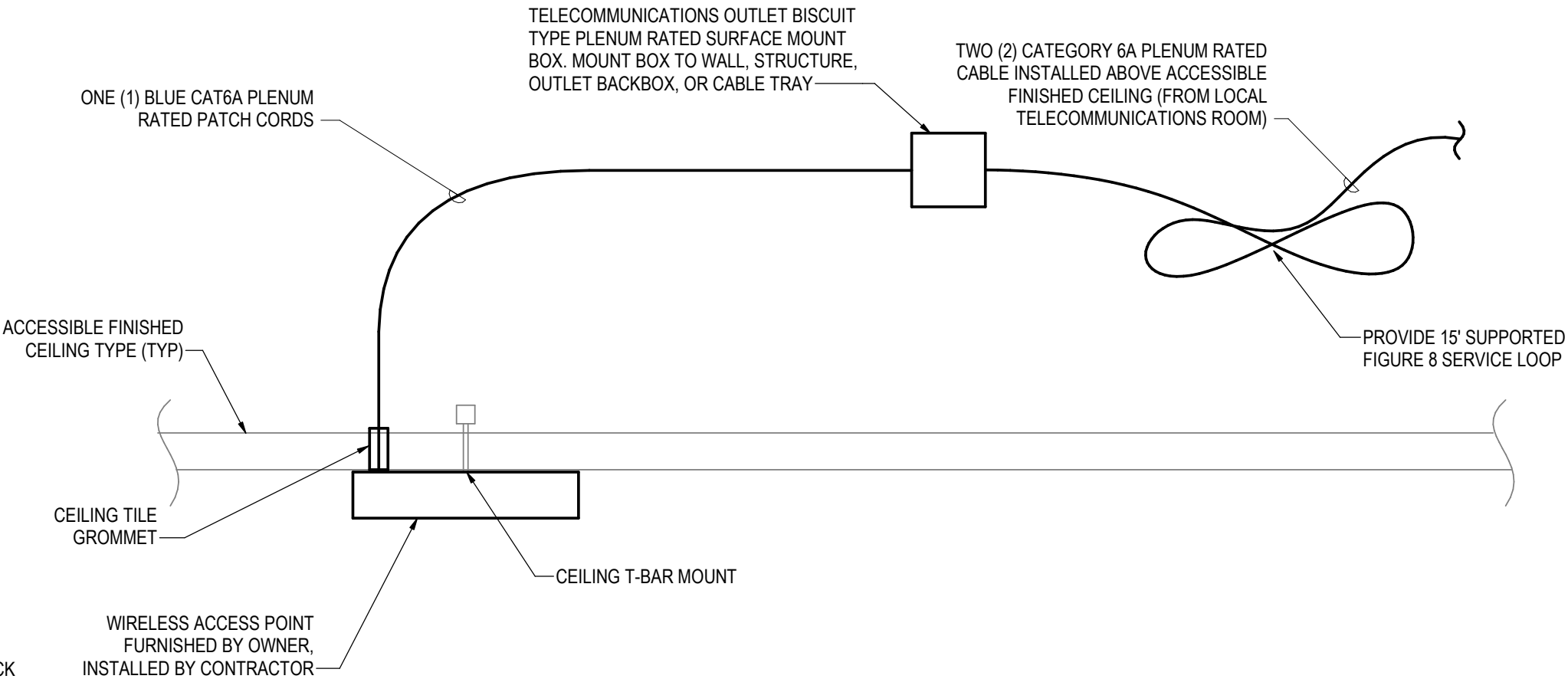
7/31/2020 4:26:53 PM <Pick location in Project Information>



WIRELESS ACCESS POINT TELECOM OUTLET DETAIL

Not to Scale

- NOTES:
1. PROVIDE TWO (2) 4-PAIR CATEGORY 6A UTP PLENUM-RATED CABLE TERMINATED ON AN 8-PIN MODULAR CATEGORY 6A JACK.
 2. TERMINATE CABLE WITH TIA/EIA T568B PINNING.
 3. TERMINATE CABLE ON DEDICATED WIRELESS ACCESS POINT CATEGORY 6A PATCH PANEL.
 4. PROVIDE COMPUTER GENERATED LABELS WITH 1/4" HIGH BLACK TEXT. HANDWRITTEN LABELS ARE UNACCEPTABLE.
 5. PROVIDE TEMPORARY, REMOVABLE LABEL ON CEILING TILE/GRID TO IDENTIFY OUTLET LOCATION WHEN LOCATED ABOVE FINISHED ACCESSIBLE CEILING.



WIRELESS ACCESS POINT ACCESSIBLE CEILING INSTALLATION DETAIL

Not to Scale

Yale

Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

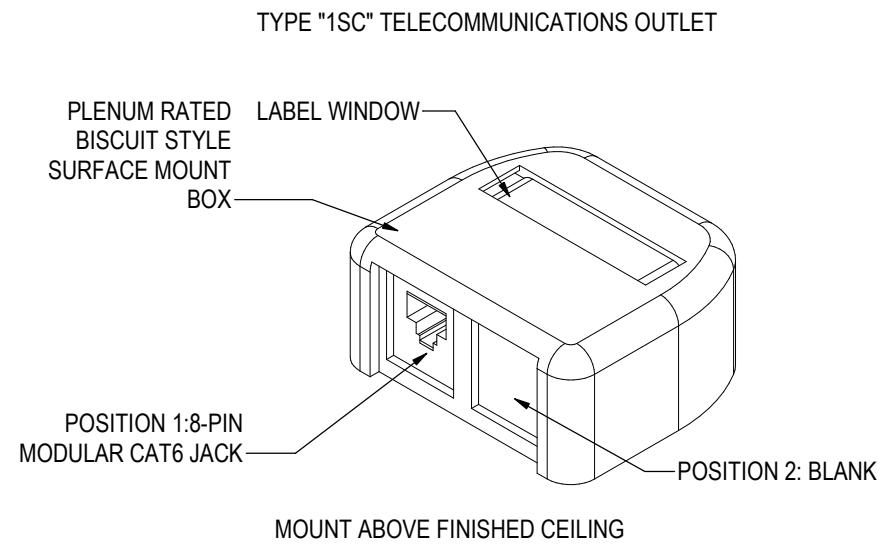
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WIRELESS ACCESS POINT
TELECOM OUTLET DETAIL

Detail Number

T019

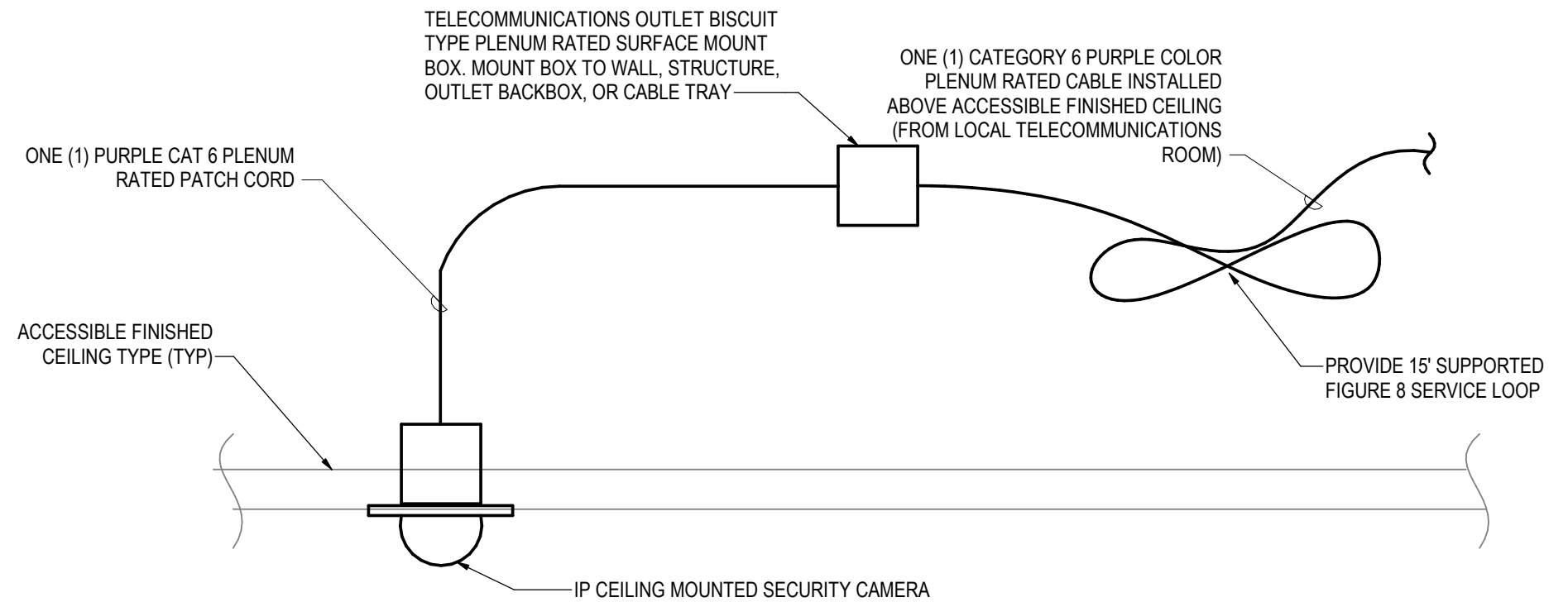
7/31/2020 4:26:54 PM <Pick location in Project Information>



- NOTES:
1. PROVIDE ONE (1) PURPLE COLOR 4-PAIR CATEGORY 6 UTP PLENUM-RATED CABLE TERMINATED ON AN 8-PIN MODULAR CATEGORY 6 JACK.
 2. TERMINATE CABLE WITH TIA/EIA T568B PINNING.
 3. PROVIDE COMPUTER GENERATED LABELS WITH 1/4" HIGH BLACK TEXT. HANDWRITTEN LABELS ARE UNACCEPTABLE.

SECURITY CAMERA TELECOM OUTLET DETAIL

Not to Scale



SECURITY CAMERA ACCESSIBLE CEILING INSTALLATION DETAIL

Not to Scale

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Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

Title

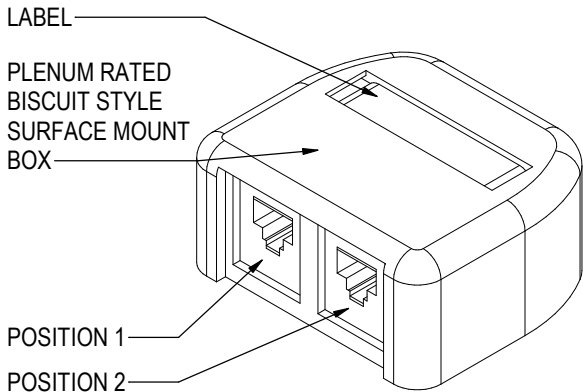
IP SECURITY CAMERA
TELECOM OUTLET DETAIL

Detail Number

T020

7/31/2020 4:26:54 PM <Pick location in Project Information>

TYPE "1BS" AND "2BS" TELECOMMUNICATIONS OUTLET



BUILDING SYSTEMS TELECOM OUTLET DETAIL (EP EQUIPMENT PANEL MOUNTING CONDITION)

Not to Scale

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Notes

Client/Project
YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title
EQUIPMENT PANEL
TELECOM OUTLET DETAIL

Revision No. 1.0 Date 07/31/2020

Detail Number
T021

7/31/2020 4:26:54 PM<Pick location in Project Information>

TELECOMMUNICATIONS OUTLET TYPE AND SYMBOL		TYPE "6N" OUTLET	TYPE "4N" OUTLET	TYPE "3N" OUTLET	TYPE "2N" OUTLET	TYPE "1N" OUTLET	TYPE "2W" OUTLET	TYPE "1SC" OUTLET	TYPE "1N/1V" OUTLET
POSITION 1	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 24 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR, 100 OHM UTP, CMP CATEGORY 6A	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6A RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE
	EXTERIOR CABLE JACKET COLOR	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	PURPLE	BLUE
	JACK MODULE COLOR	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
POSITION 2	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 24 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	NONE	4 PAIR SOLID CONDUCTOR, 100 OHM UTP, CMP CATEGORY 6A		18 AWG COPPER COVERED STEEL CENTER CONDUCTOR COAX CATVP RG-6
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	SPACE WITH BLANK MODULE	CATEGORY 6A RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE		F-TYPE COMPRESSION CABLE CONNECTOR WITH FEMALE SPLICE BARREL
	EXTERIOR CABLE JACKET COLOR	BLUE	BLUE	BLUE	BLUE	NA	BLUE		BLUE
	JACK MODULE COLOR	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE		WHITE
POSITION 3	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 24 AWG, 100 OHM UTP, CMP CATEGORY 6	NONE	NONE			NONE
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE			SPACE WITH BLANK MODULE
	EXTERIOR CABLE JACKET COLOR	BLUE	BLUE	BLUE	NA	NA			NA
	JACK MODULE COLOR	WHITE	WHITE	WHITE	WHITE	WHITE			WHITE
POSITION 4	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	NONE	NONE	NONE			NONE
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE			SPACE WITH BLANK MODULE
	EXTERIOR CABLE JACKET COLOR	BLUE	BLUE	NA	NA	NA			NA
	JACK MODULE COLOR	WHITE	WHITE	WHITE	WHITE	WHITE			WHITE
POSITION 5	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6							
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE							
	EXTERIOR CABLE JACKET COLOR	BLUE							
	JACK MODULE COLOR	WHITE							
POSITION 6	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6							
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE							
	EXTERIOR CABLE JACKET COLOR	BLUE							
	JACK MODULE COLOR	WHITE							

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Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.

1.0

Date

07/31/2020








Title

TELECOMMUNICATIONS OUTLET SCHEDULE

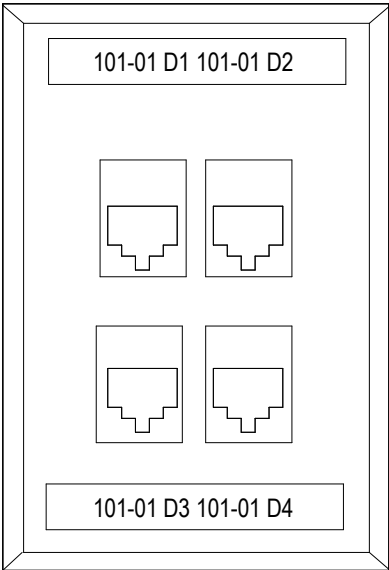
Detail Number

T022

7/31/2020 4:26:55 PM <Pick location in Project Information>

TELECOMMUNICATIONS OUTLET TYPE AND SYMBOL		TYPE "1N/1T" OUTLET 	TYPE "1BS" OUTLET 	TYPE "2BS" OUTLET 	TYPE "1T" OUTLET 	TYPE "1TC" OUTLET 	TYPE "2MM" OUTLET 	TYPE "2N/2MM" OUTLET 
POSITION 1	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	TWO STRAND 50 MICRON LASER OPTIMIZED OM4 MULTIMODE FTTD	TWO STRAND 50 MICRON LASER OPTIMIZED OM4 MULTIMODE FTTD
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	SPLICE ON DUPLEX LC 50 MICRON MM CONNECTOR	SPLICE ON DUPLEX LC 50 MICRON MM CONNECTOR
	EXTERIOR CABLE JACKET COLOR	BLUE	BLUE	BLUE	BLUE	BLUE	AQUA	AQUA
	JACK MODULE COLOR	WHITE	WHITE	WHITE	WHITE	WHITE	AQUA	AQUA
POSITION 2	CABLE TYPE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6	NONE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6			NA	NA
	TERMINATION	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE	SPACE WITH BLANK MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE			NA	NA
	EXTERIOR CABLE JACKET COLOR	BLIE	NA	BLUE			NA	NA
	JACK MODULE COLOR	WHITE	NA	WHITE			NA	NA
POSITION 3	CABLE TYPE	NONE	NONE	NONE			NONE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6
	TERMINATION	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE			SPACE WITH BLANK MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE
	EXTERIOR CABLE JACKET COLOR	NA	NA	NA			NA	BLUE
	JACK MODULE COLOR	WHITE	WHITE	WHITE			WHITE	WHITE
POSITION 4	CABLE TYPE	NONE	NONE	NONE			NONE	4 PAIR SOLID CONDUCTOR 23 AWG, 100 OHM UTP, CMP CATEGORY 6
	TERMINATION	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE	SPACE WITH BLANK MODULE			SPACE WITH BLANK MODULE	CATEGORY 6 RJ-45 8 POSITION, 8 WIRE T568B TERMINATION MODULE
	EXTERIOR CABLE JACKET COLOR	NA	NA	NA			NA	BLUE
	JACK MODULE COLOR	WHITE	WHITE	WHITE			WHITE	WHITE
POSITION 5	CABLE TYPE							
	TERMINATION							
	EXTERIOR CABLE JACKET COLOR							
	JACK MODULE COLOR							
POSITION 6	CABLE TYPE							
	TERMINATION							
	EXTERIOR CABLE JACKET COLOR							
	JACK MODULE COLOR	WHITE						

<div>Yale</div>	Notes	Client/Project	Title
		YALE UNIVERSITY	TELECOMMUNICATIONS OUTLET SCHEDULE
		ITS INFRASTRUCTURE CONSTRUCTION STANDARDS	
		Revision No.	Date
		1.0	07/31/2020
		Detail Number	
		T023	



XXX - YY DZ

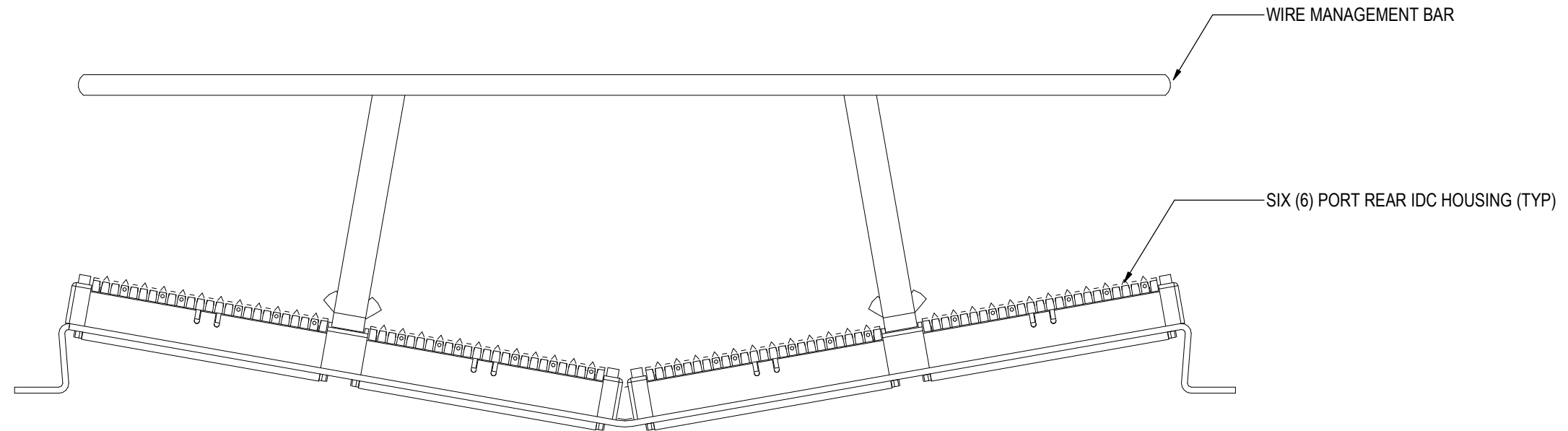
XXX - ROOM NUMBER
YY - OUTLET NUMBER IN SEQUENTIAL ORDER AT DOOR
AND MOVING TO THE LEFT
D - MEDIA DESIGNATION
D - DATA
F - OPTICAL FIBER
RS - ROOM SCHEDULING PANEL OUTLET
Z - SEQUENTIAL NUMBER OF JACK IN FACEPLATE

EXAMPLE LABEL FOR FIRST OUTLET IN ROOM 101

FACEPLATE LABELING DETAIL

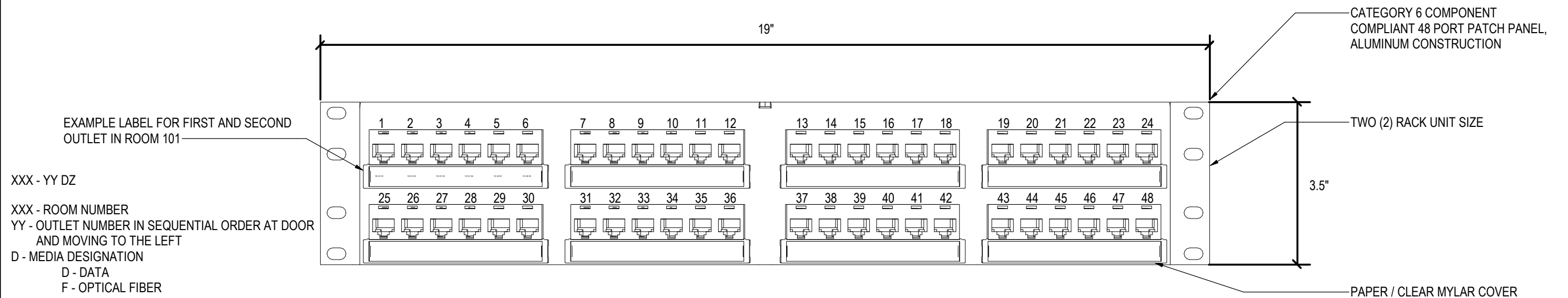
Not to Scale

<div>Yale</div>	Notes	Client/Project	Title
		YALE UNIVERSITY	FACEPLATE LABELING DETAIL
		ITS INFRASTRUCTURE CONSTRUCTION STANDARDS	
		Revision No.	Date
		1.0	07/31/2020
		Detail Number	
		T024	



ANGLED PATCH PANEL TOP VIEW

Not to Scale



ANGLED PATCH PANEL FRONT VIEW

Not to Scale

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Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

PATCH PANEL LABELING
DETAIL

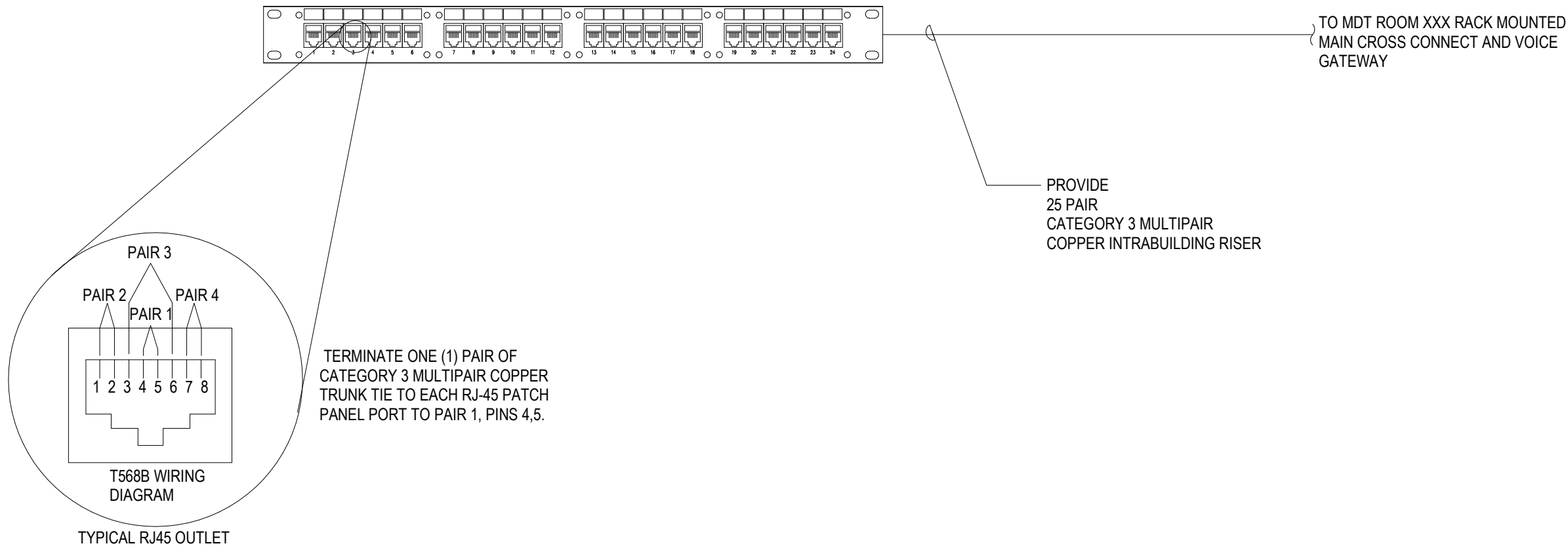
Detail Number

T025

Revision No.
1.0

Date
07/31/2020

RACK MOUNTED VOICE CATEGORY 5e PATCH PANEL



VOICE BACKBONE PATCH PANEL DETAIL

Not to Scale

7/31/2020 4:26:56 PM <Pick location in Project Information>

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Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

VOICE PATCH PANEL
CROSSCONNECT DETAIL

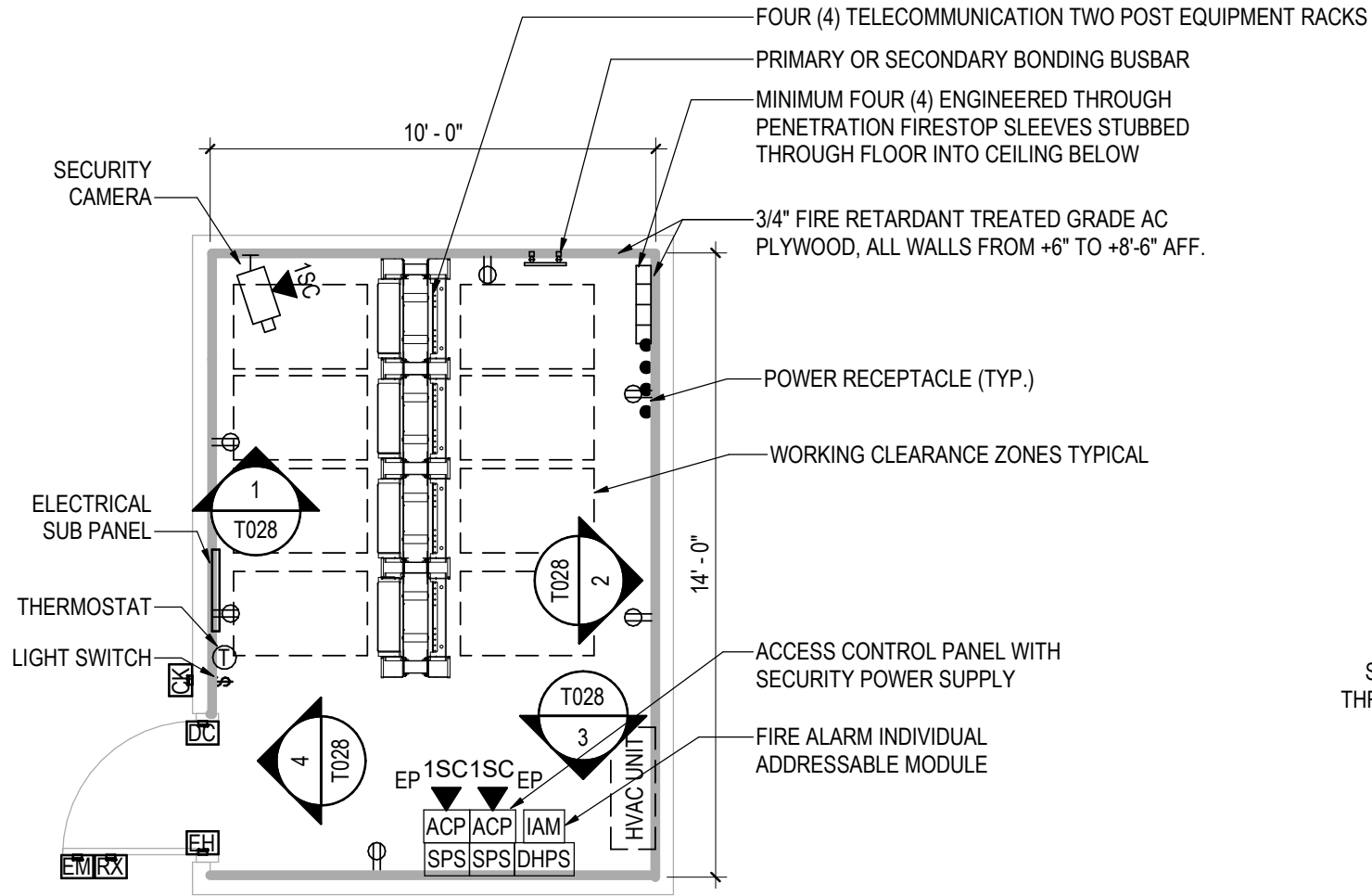
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T026

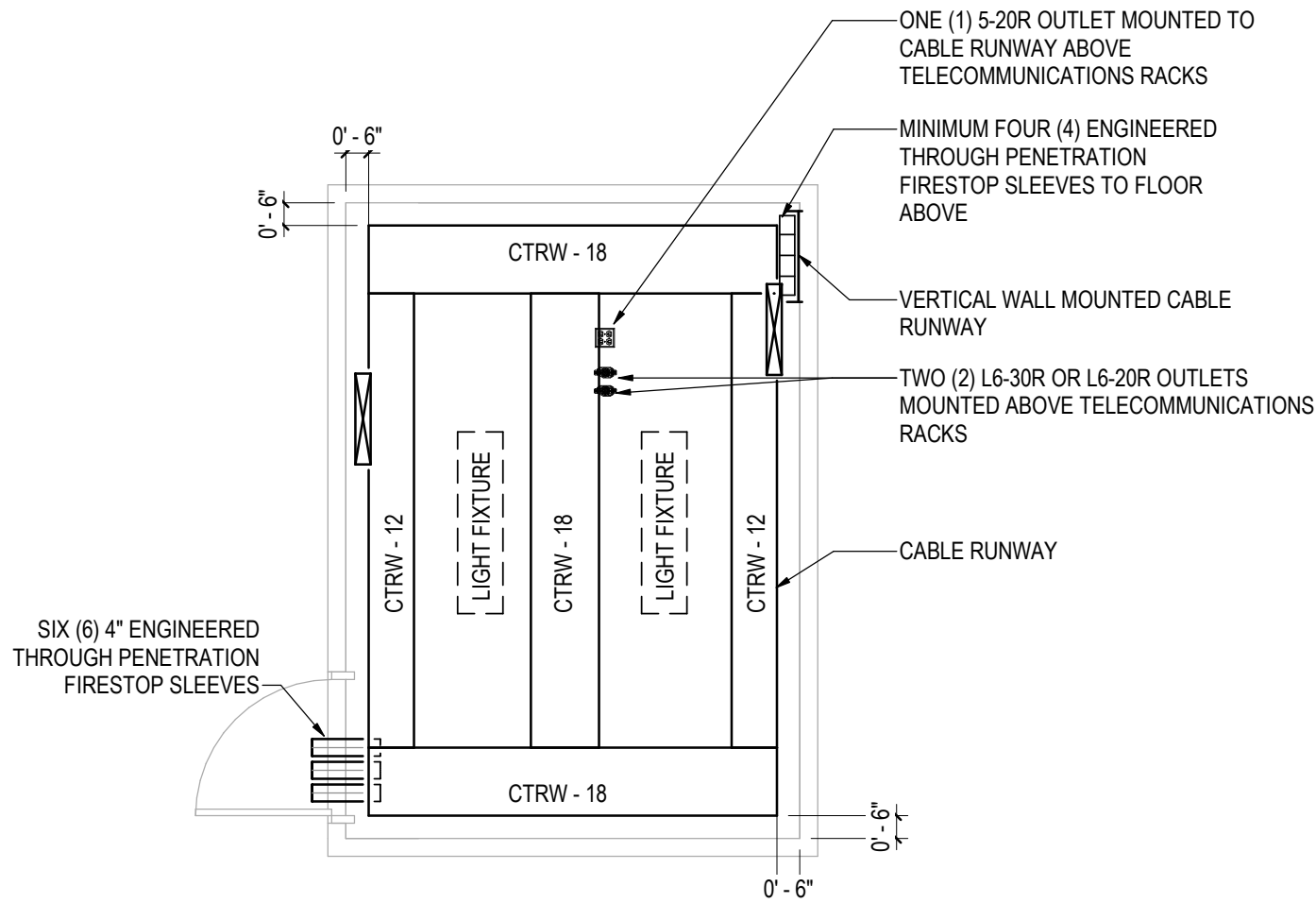
Revision No.
1.0

Date
07/31/2020

7/31/2020 4:26:56 PM <Pick location in Project Information>



10'X14' TR ENLARGED PLAN
1/4" = 1'-0"



10'X14' TR CEILING ENLARGED PLAN
1/4" = 1'-0"

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Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

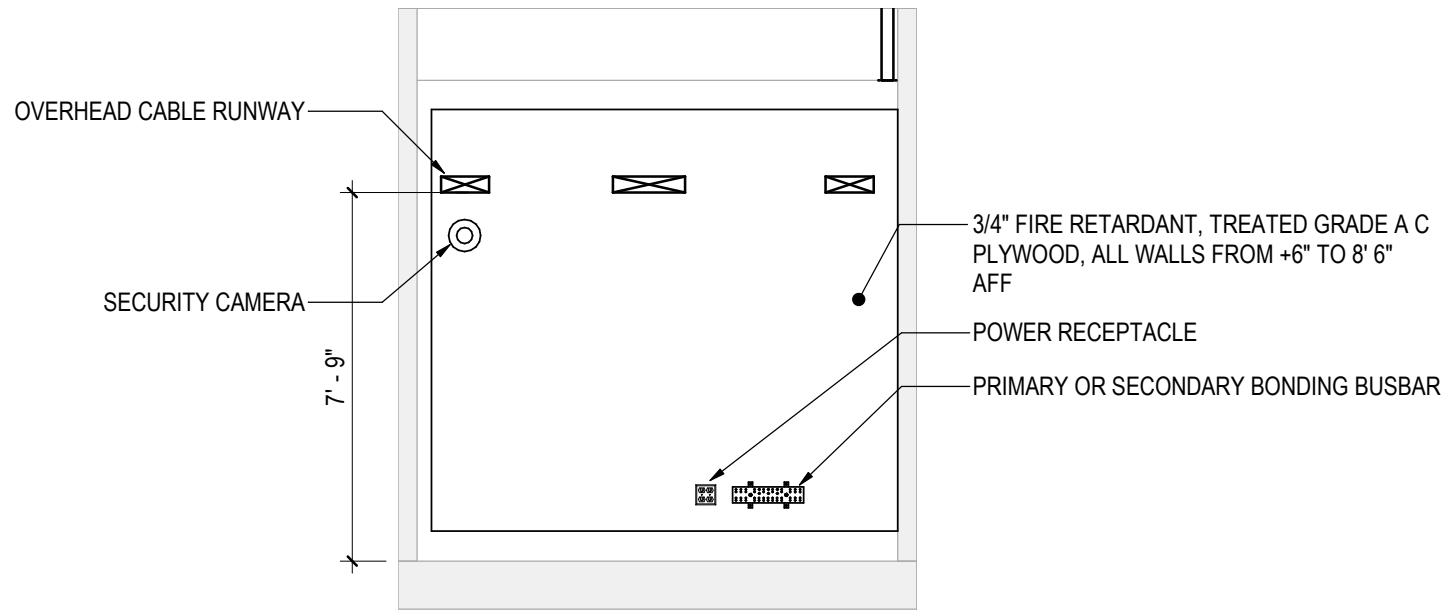
Date
07/31/2020

Title

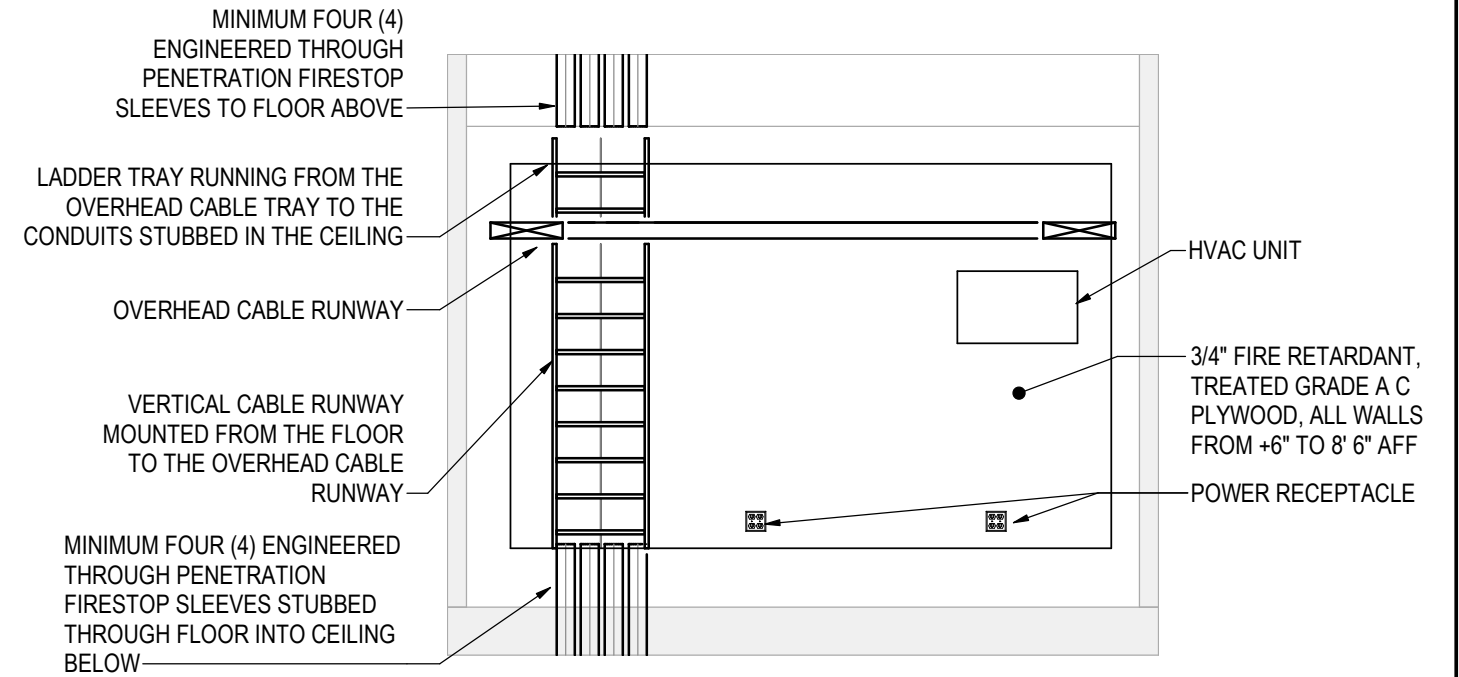
10'X14' TR ENLARGED
PLAN

Detail Number

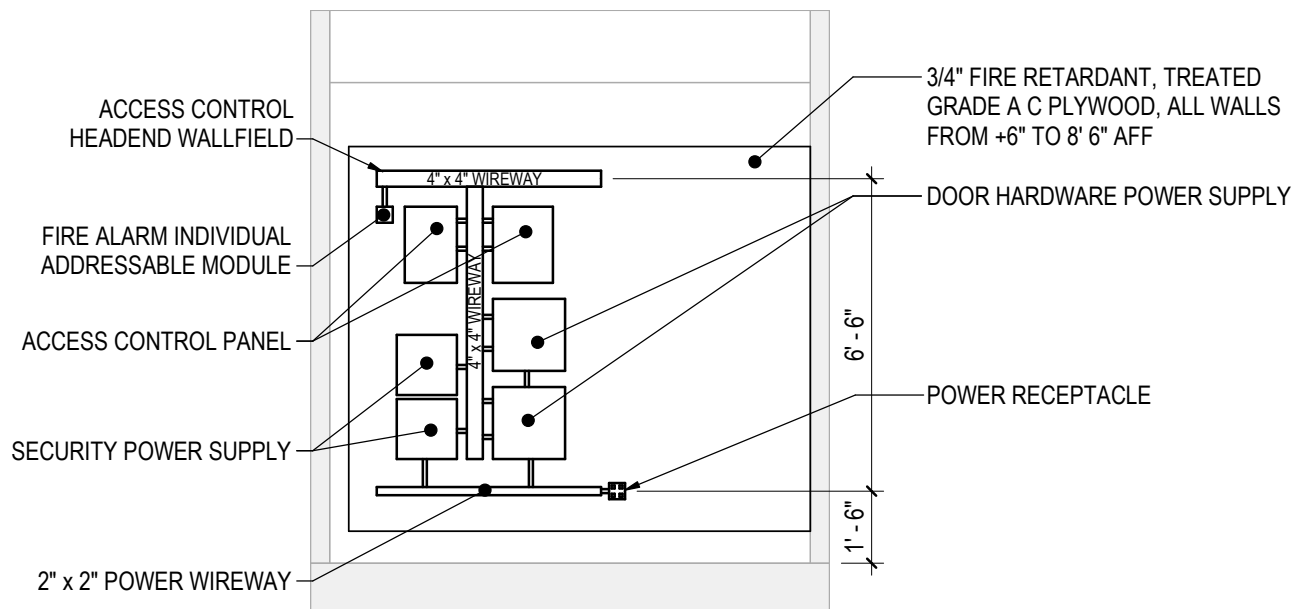
T027



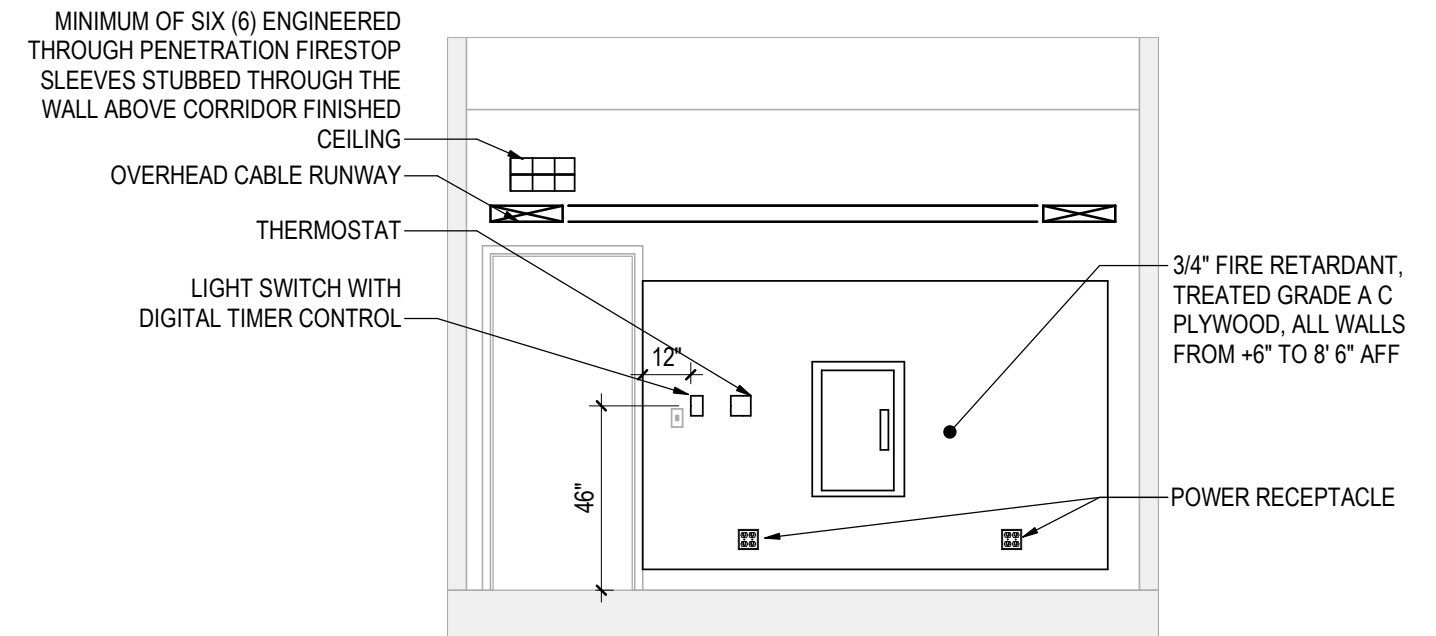
1
T028
10'X14' TR NORTH WALL ELEVATION
1/4" = 1'-0"



2
T028
10'X14' EAST WALL ELEVATION
1/4" = 1'-0"



3
T028
10'X14' TR SOUTH WALL ELEVATION
1/4" = 1'-0"



4
T028
10'X14' TR WEST WALL ELEVATION
1/4" = 1'-0"

<Pick location in Project Information>

7/31/2020 4:26:56 PM

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Notes

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

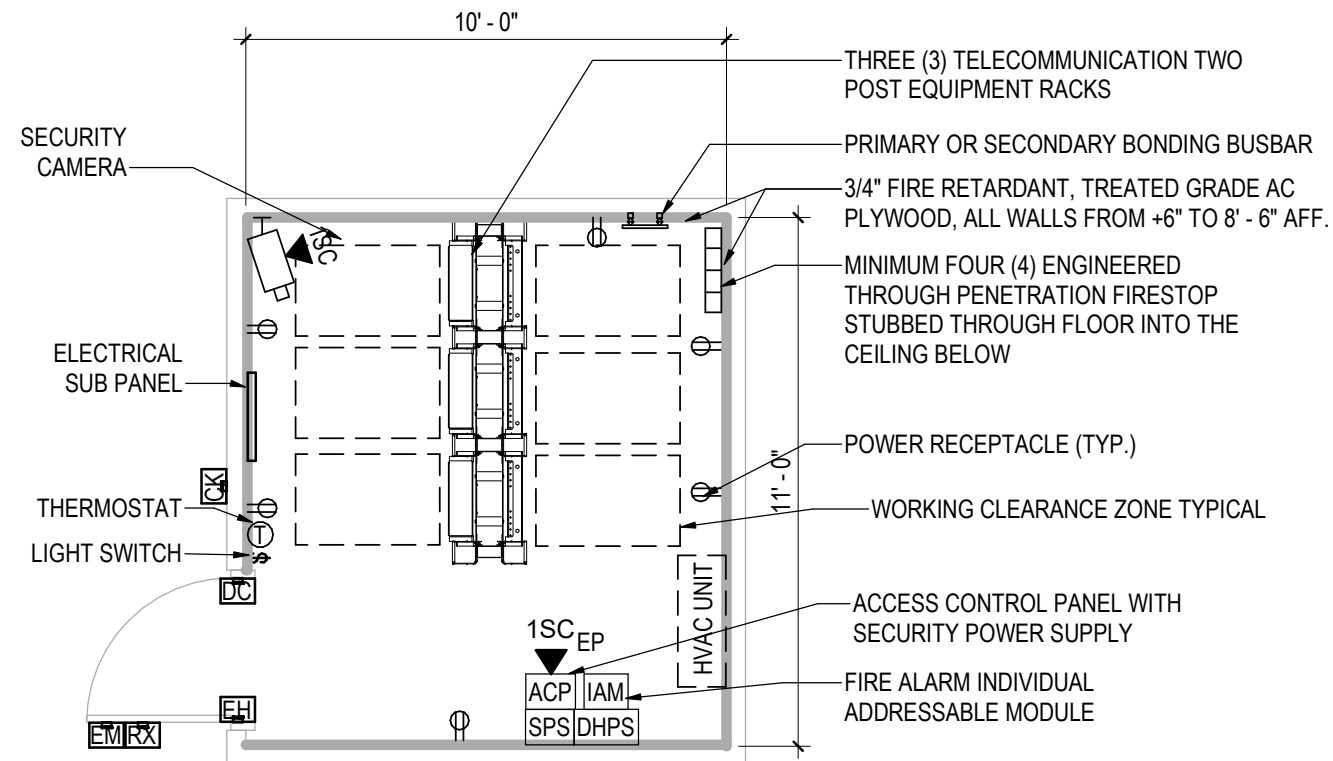
10'X14' TR WALL ELEVATIONS

Detail Number

T028

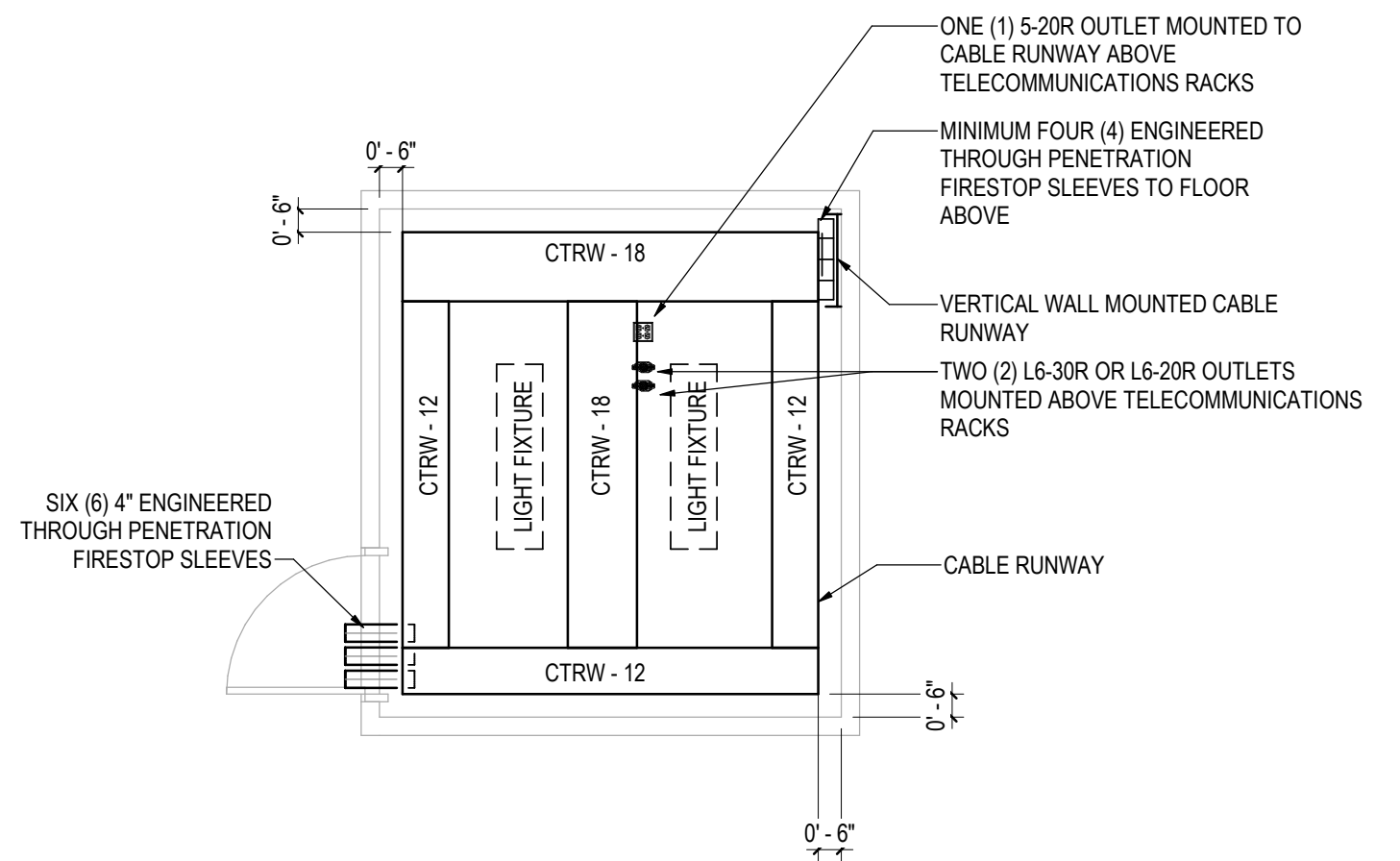
Revision No.
1.0

Date
07/31/2020



10'X11' TR ENLARGED PLAN

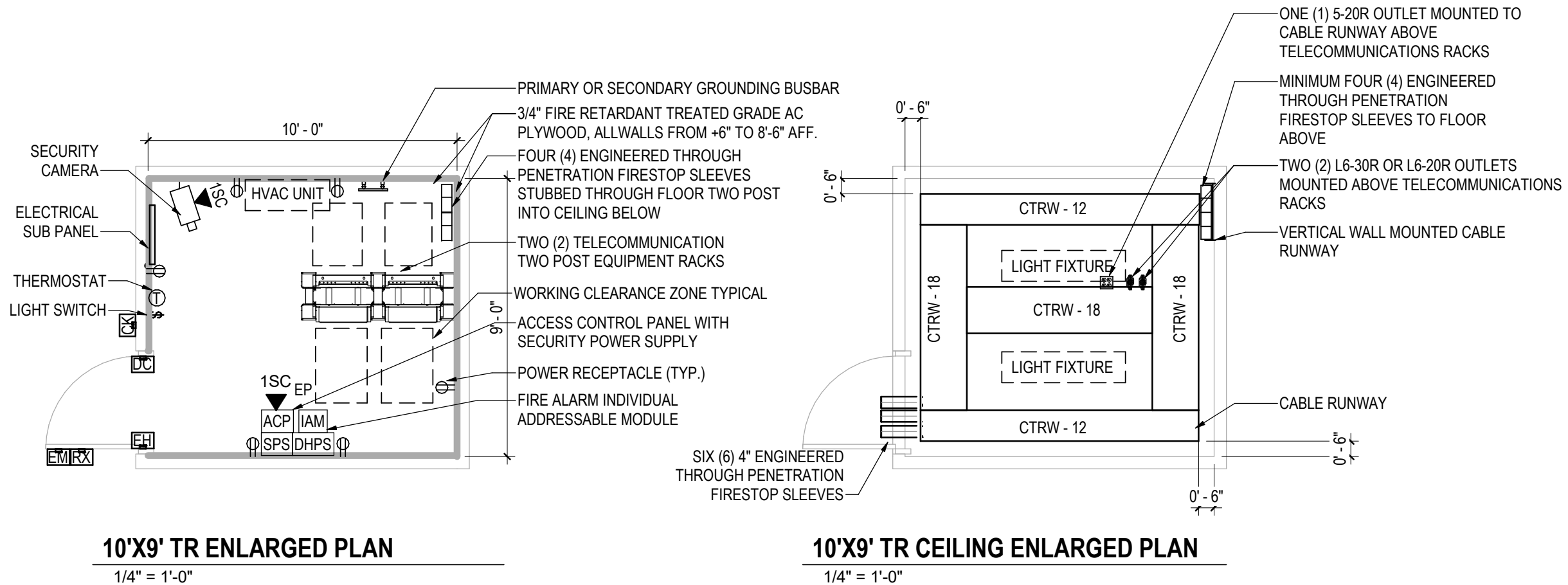
1/4" = 1'-0"



10'X11' TR CEILING ENLARGED PLAN

1/4" = 1'-0"

7/31/2020 4:26:57 PM <Pick location in Project Information>



Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

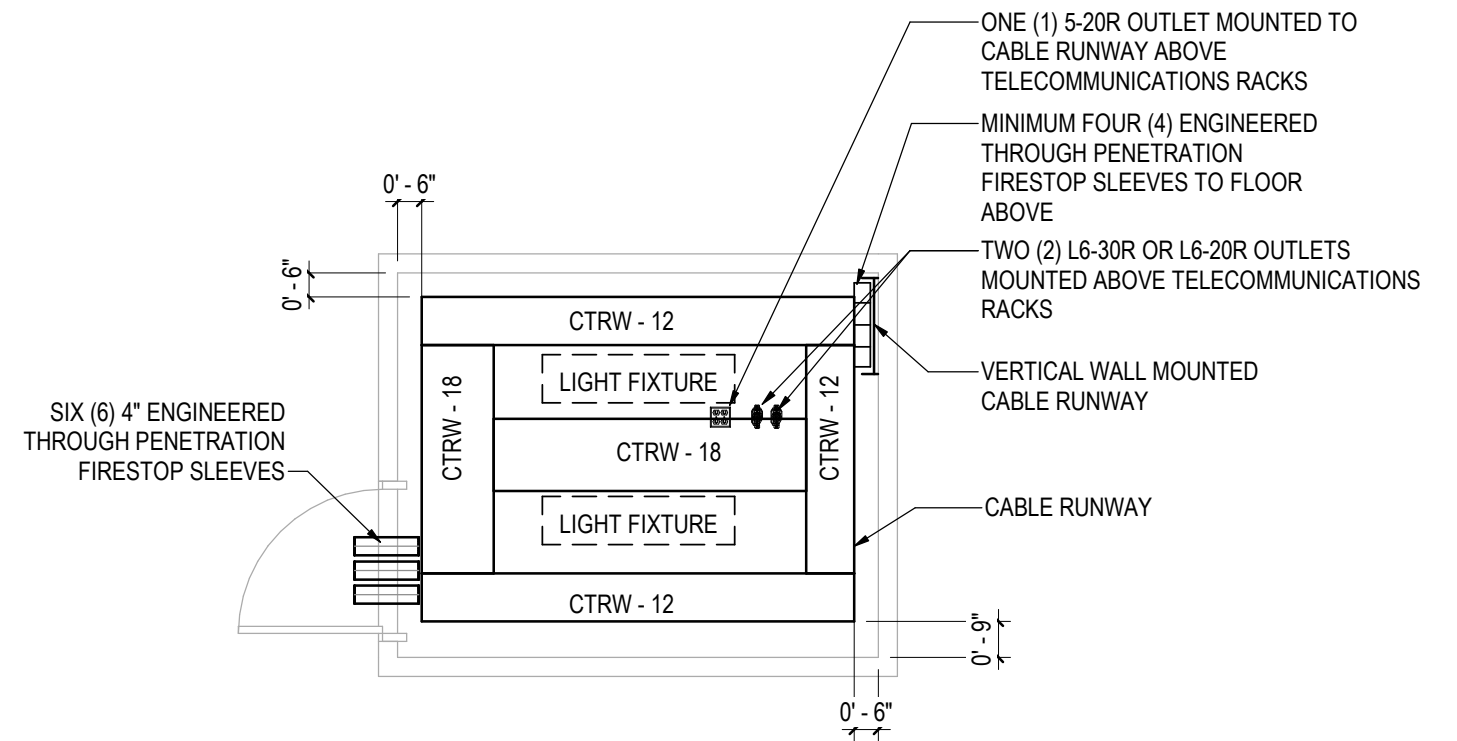
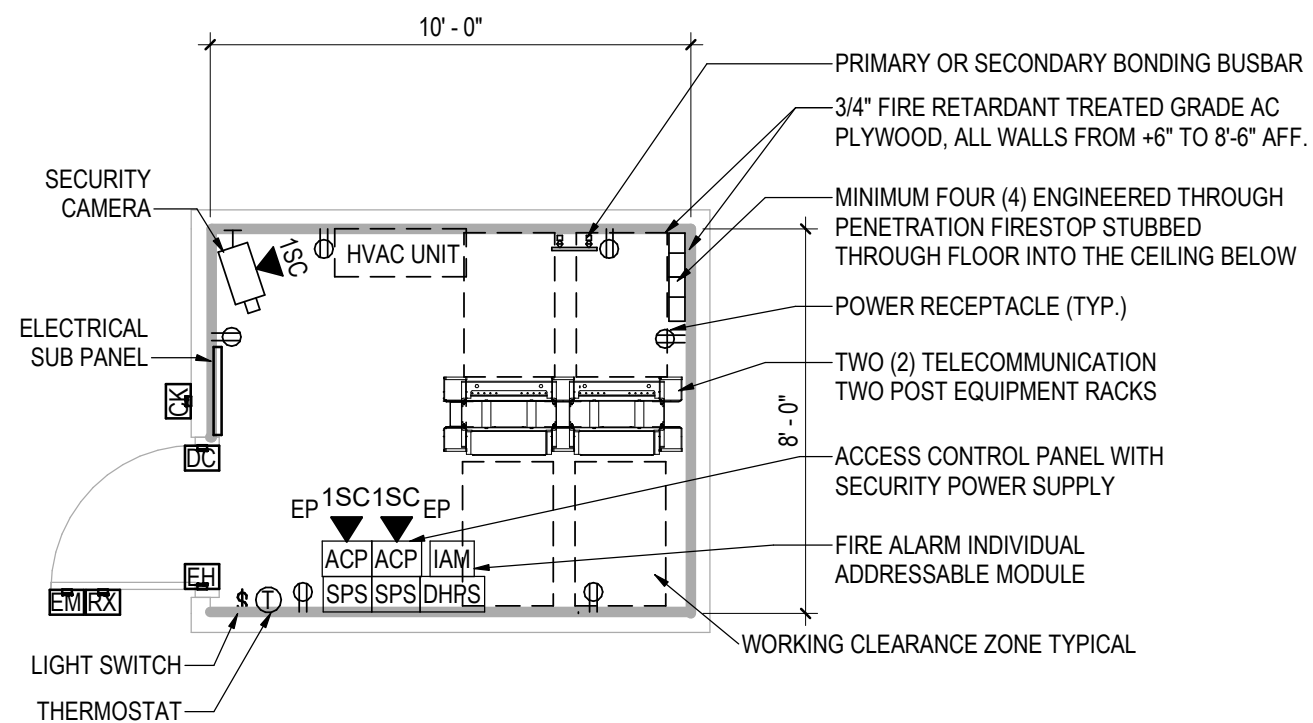
Date
07/31/2020

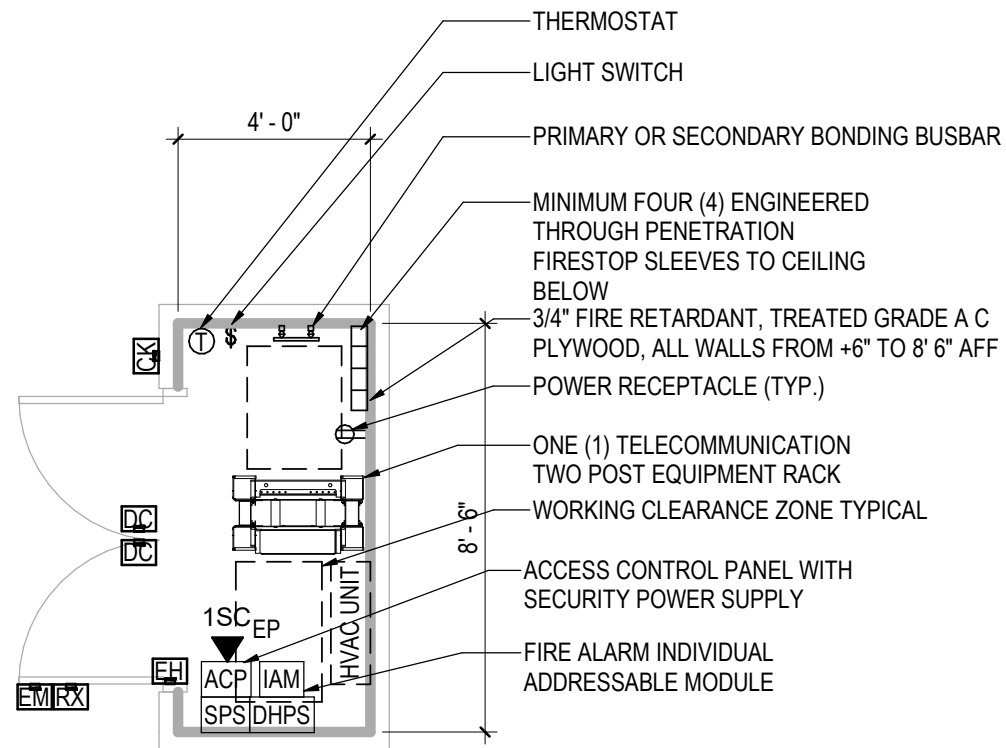
Title

10'X9' TR ENLARGED
PLAN

Detail Number

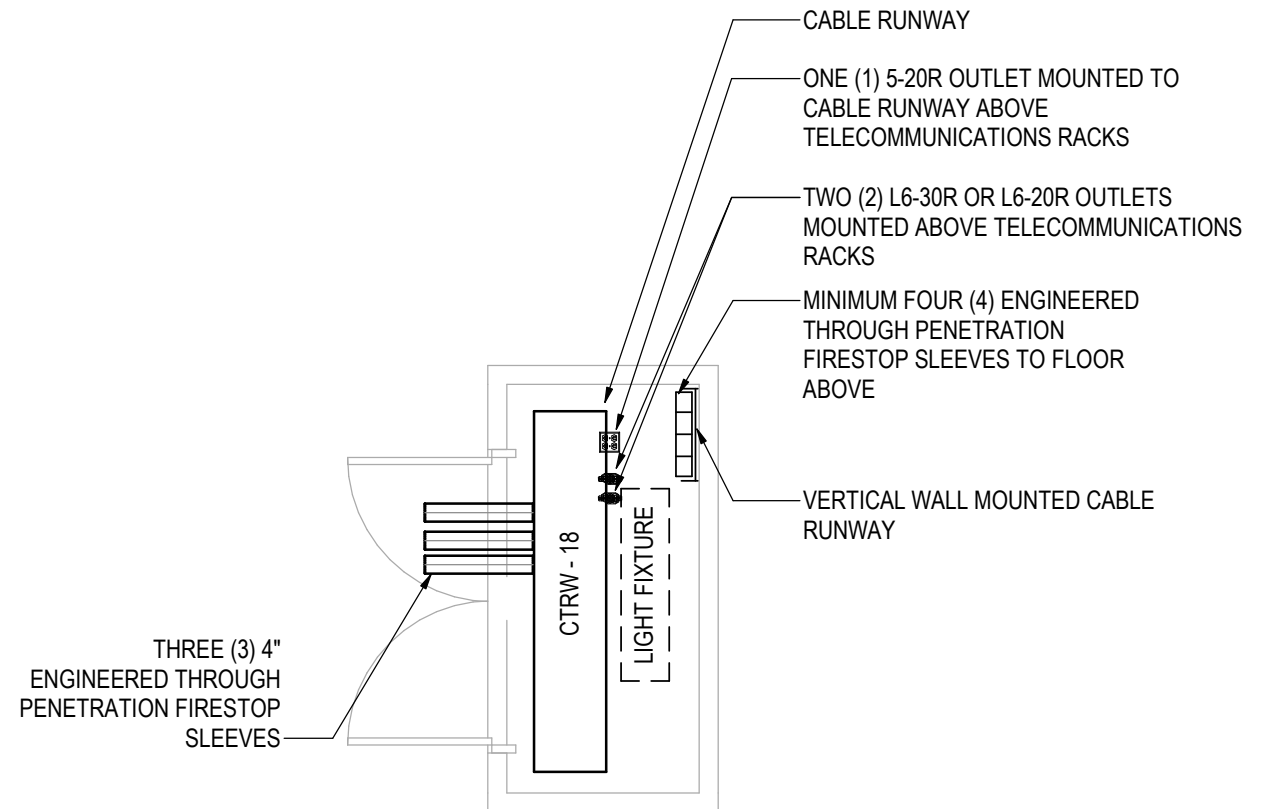
T030





4'X8'-6" STR ENLARGED PLAN

1/4" = 1'-0"

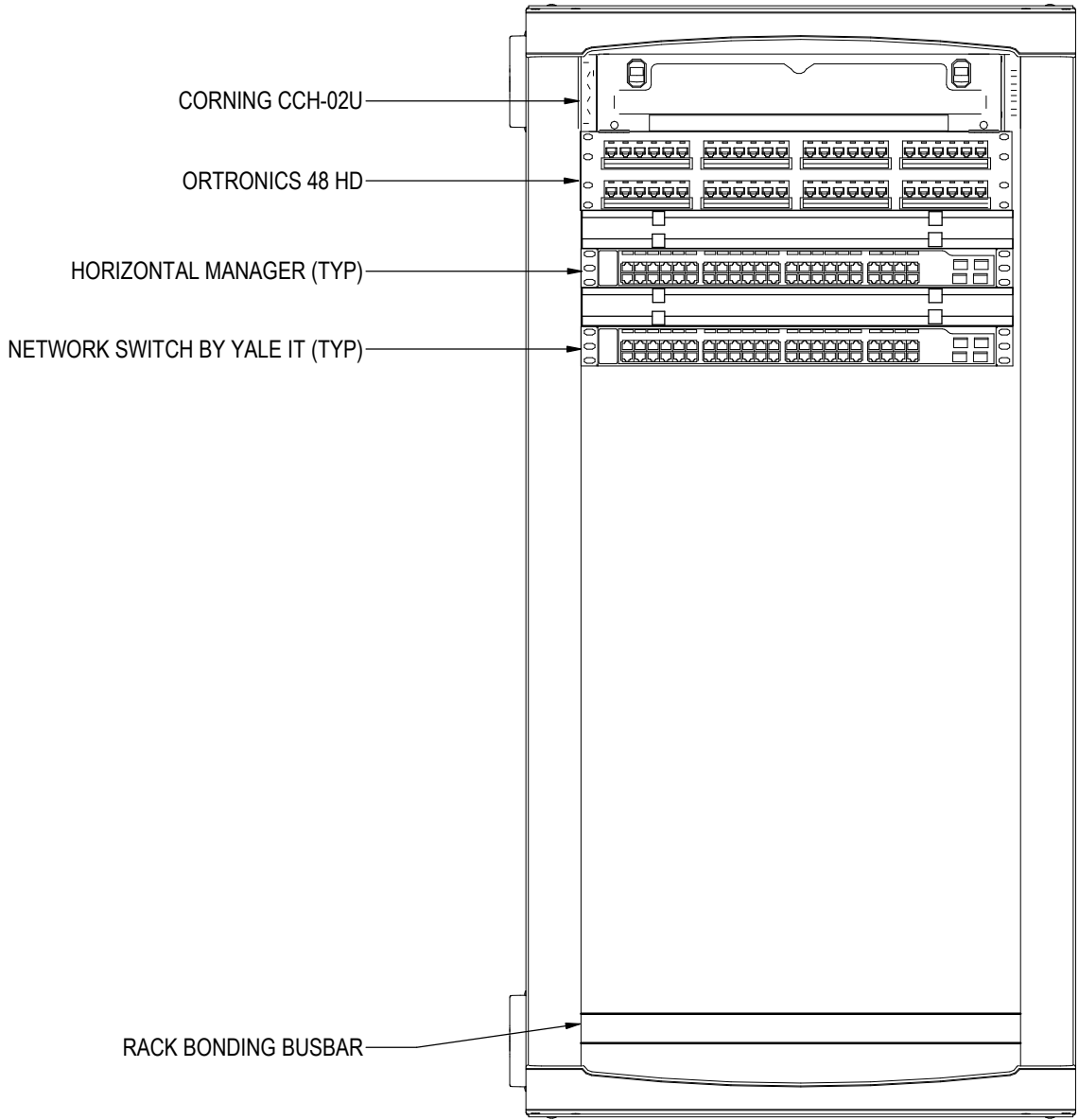


4'X8'-6" STR CEILING ENLARGED PLAN

1/4" = 1'-0"

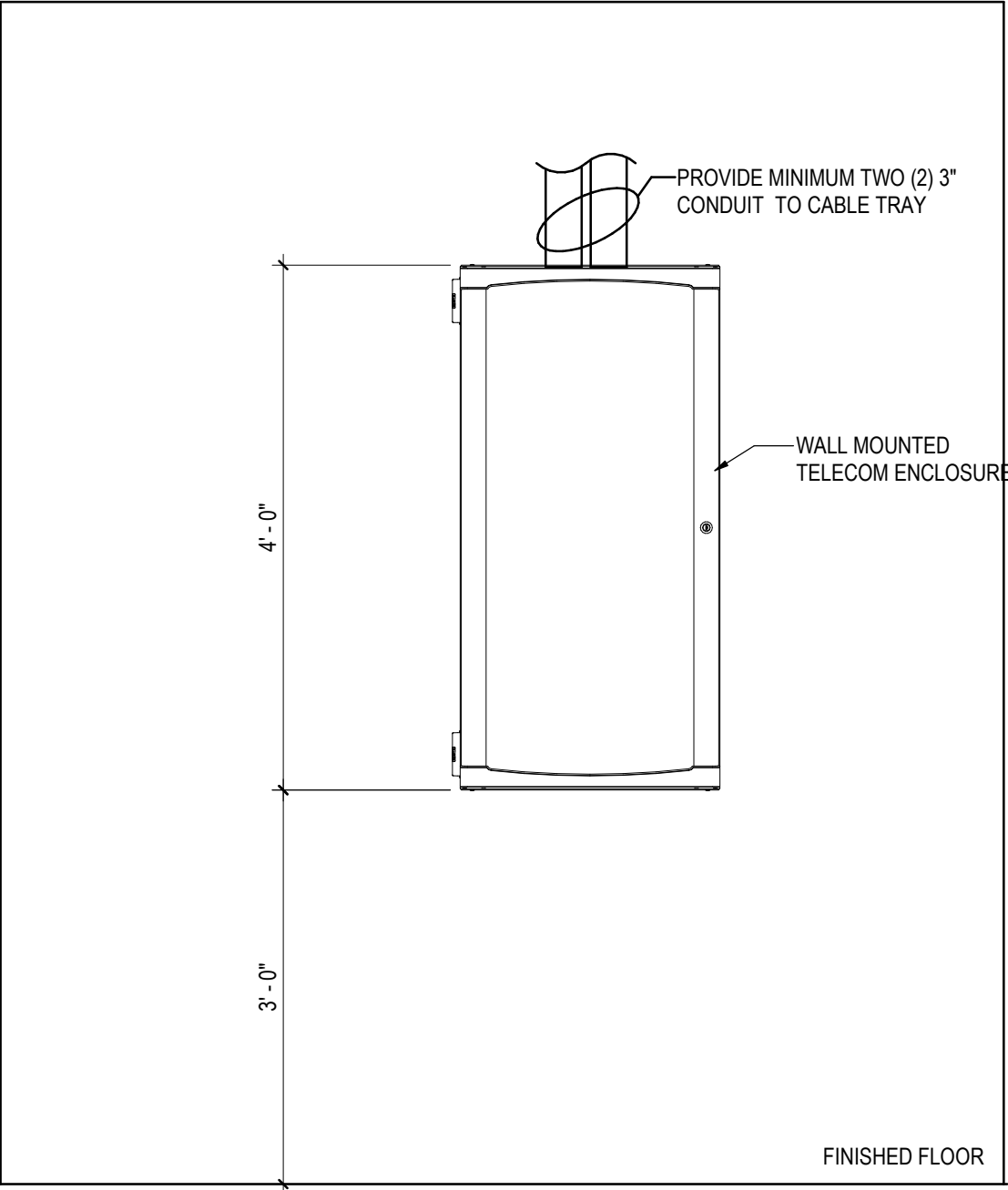
7/31/2020 4:26:58 PM <Pick location in Project Information>

CHATSWORTH PRODUCTS - SET 1 M1521-232



TELECOMMUNICATIONS ENCLOSURE RACK ELEVATION

Not to Scale



TELECOMMUNICATIONS ENCLOSURE WALL ELEVATION

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

Title

TELECOM WALL
ENCLOSURE CABINET
DETAIL

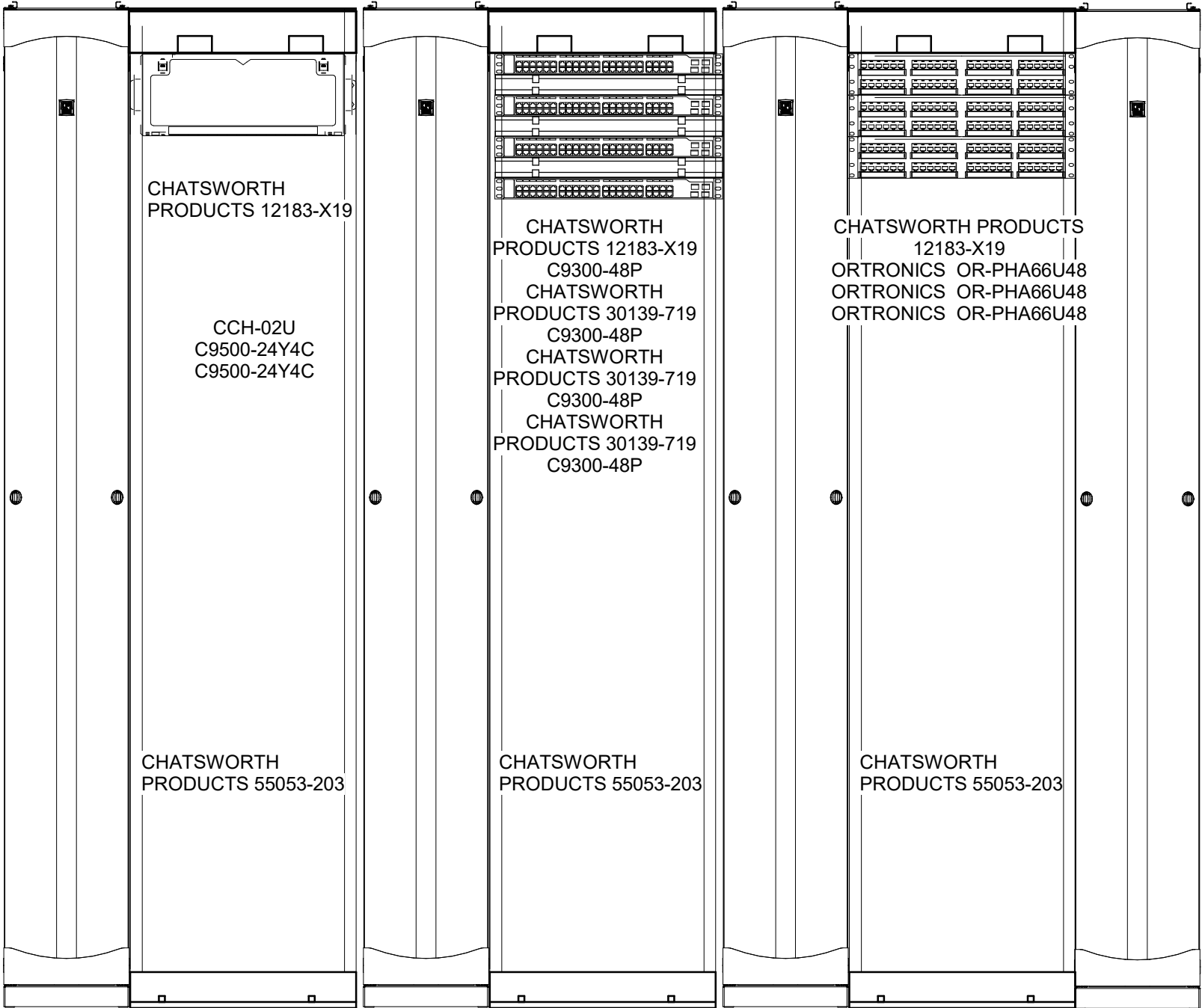
Detail Number

T033

7/31/2020 4:26:59 PM <Pick location in Project Information>

CCH-02U
IS CORNING PRODUCT
SHOWN UNLOADED/TO BE
DETERMINED IN SCOPE

CHATSWORTH PRODUCTS
SET 3 355x1-703



MDT TELECOM RACK ELEVATION
Not to Scale

Yale

Notes

Client/Project
YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title
MDT ROOM TELECOM
RACK LINE ELEVATION

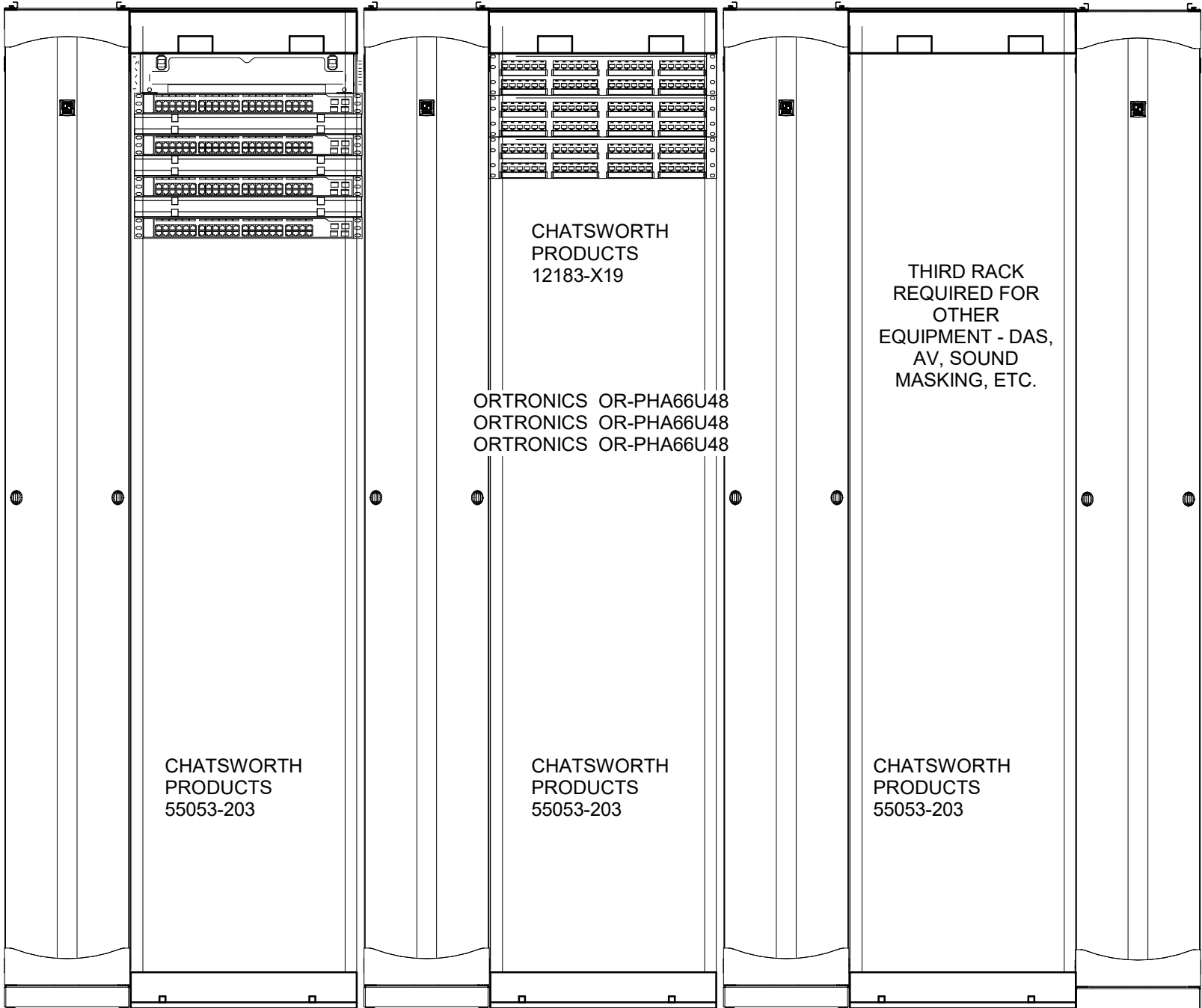
Revision No. 1.0 Date 07/31/2020

Detail Number
T034

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CHATSWORTH PRODUCTS 12183-X19
CCH-02U
C9300-48P
CHATSWORTH PRODUCTS 30139-719
C9300-48P
CHATSWORTH PRODUCTS 30139-719
C9300-48P
CHATSWORTH PRODUCTS 30139-719
C9300-48P

CHATSWORTH PRODUCTS - SET 3 355x1-703



CHATSWORTH PRODUCTS 12183-X19

IDT TELECOM RACK ELEVATION

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

IDT ROOM TELECOM
RACK LINE ELEVATION

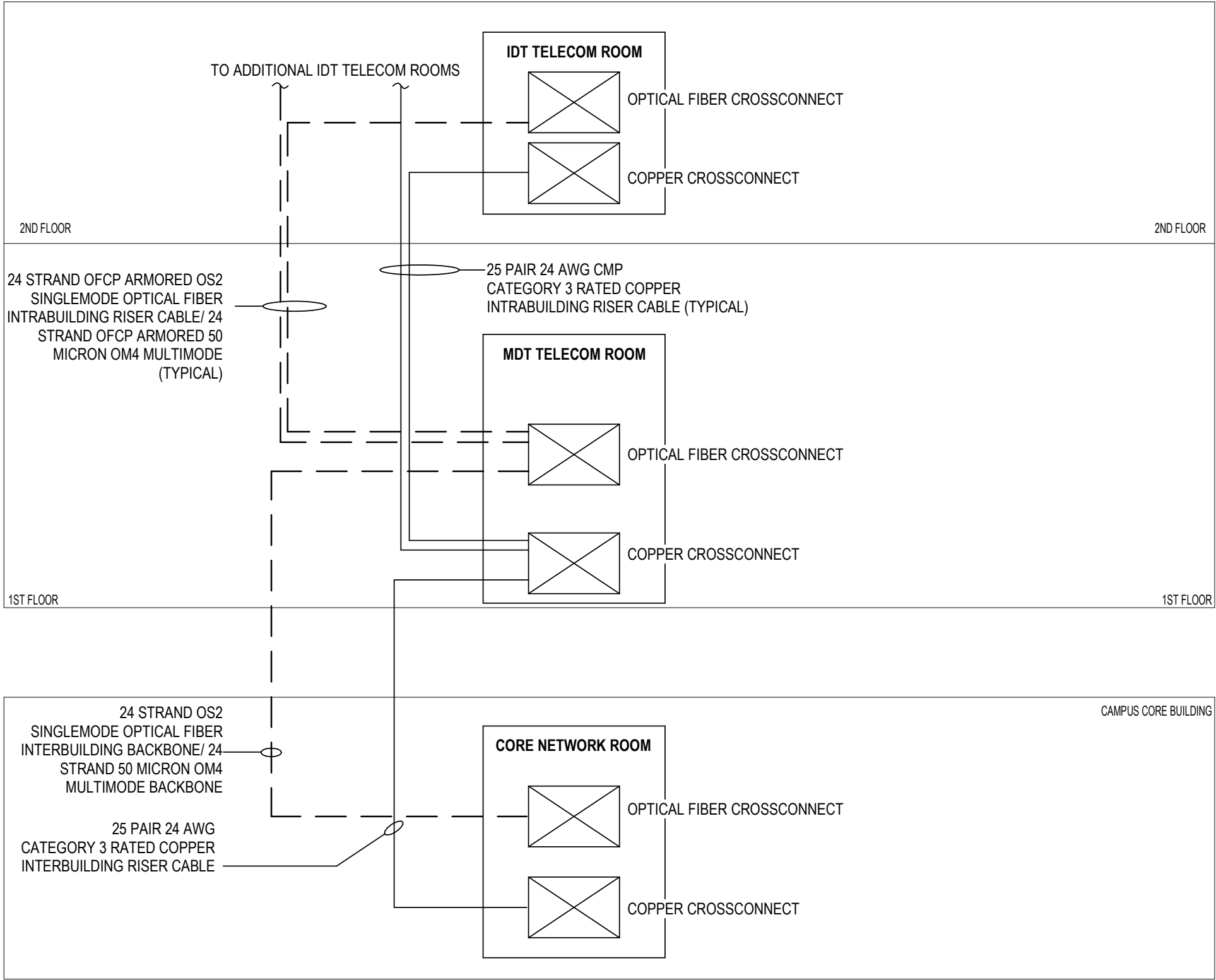
Detail Number

T035

Revision No.
1.0

Date
07/31/2020

7/31/2020 4:27:00 PM <Pick location in Project Information>



TELECOMMUNICATIONS RISER DIAGRAM
Not to Scale

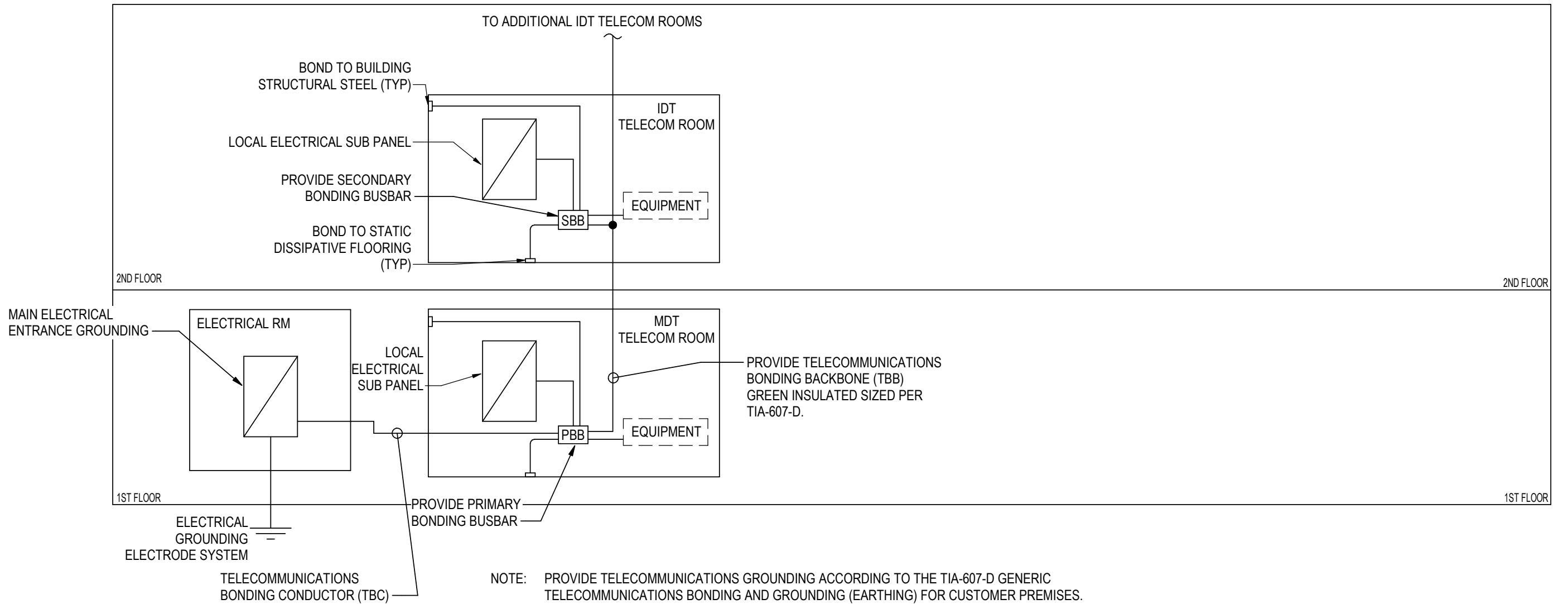


Notes

Client/Project	
YALE UNIVERSITY	
ITS INFRASTRUCTURE CONSTRUCTION STANDARDS	
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Revision No.	Date
1.0	07/31/2020

Title	
TELECOMMUNICATIONS RISER DIAGRAM	
<hr/>	
Detail Number	
T036	

7/31/2020 4:27:00 PM <Pick location in Project Information>



TELECOMMUNICATIONS GROUNDING RISER DIAGRAM

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

TELECOMMUNICATIONS
GROUNDING RISER
DIAGRAM

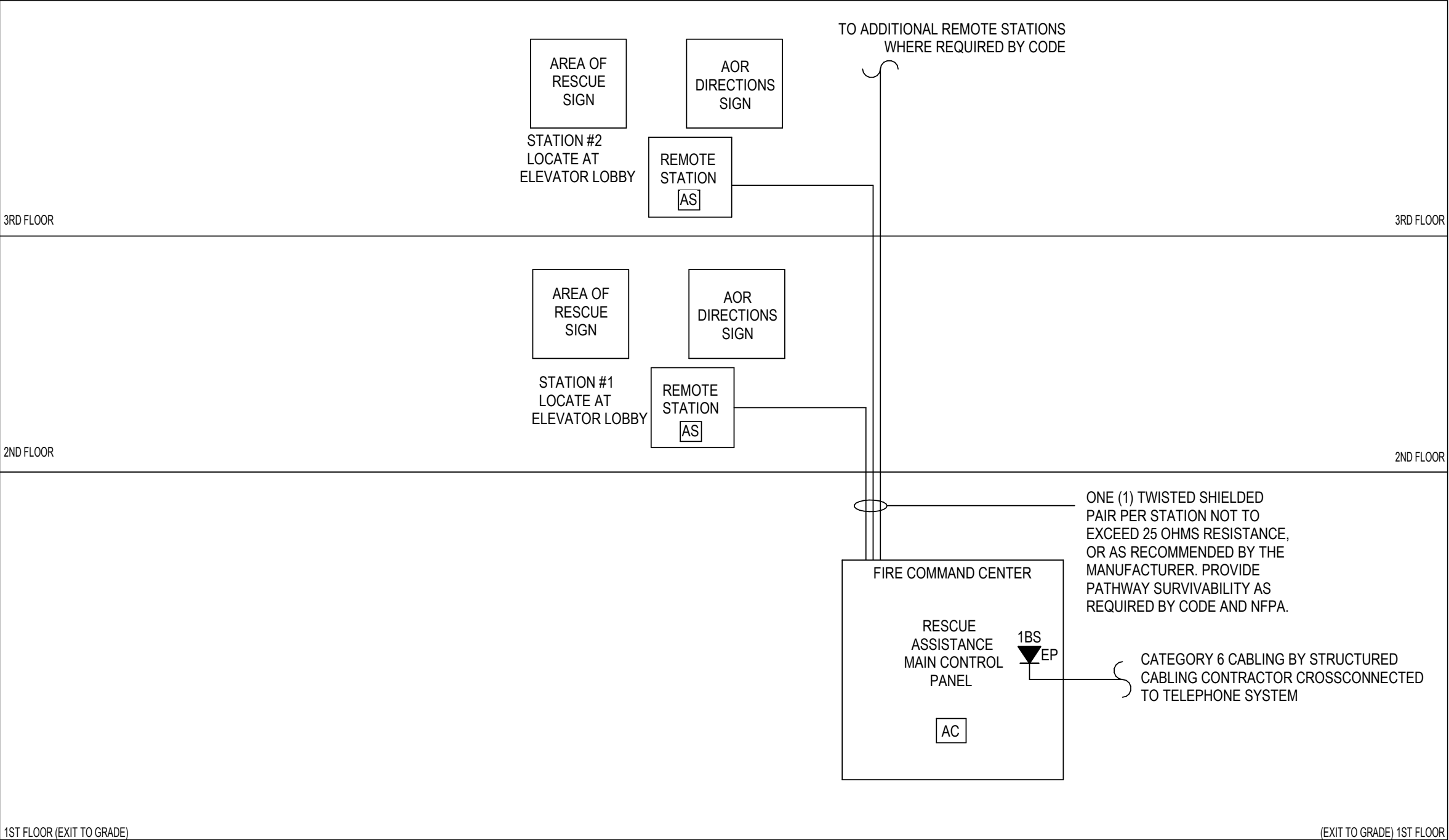
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Revision No.
1.0

Date
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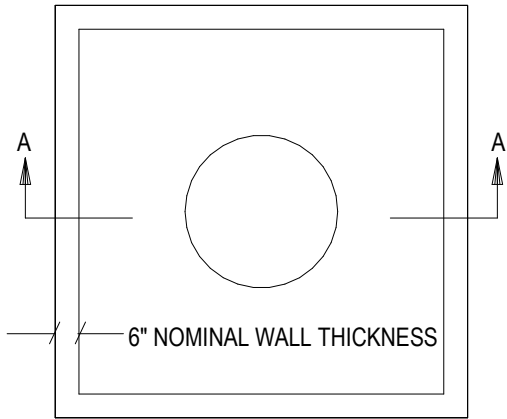
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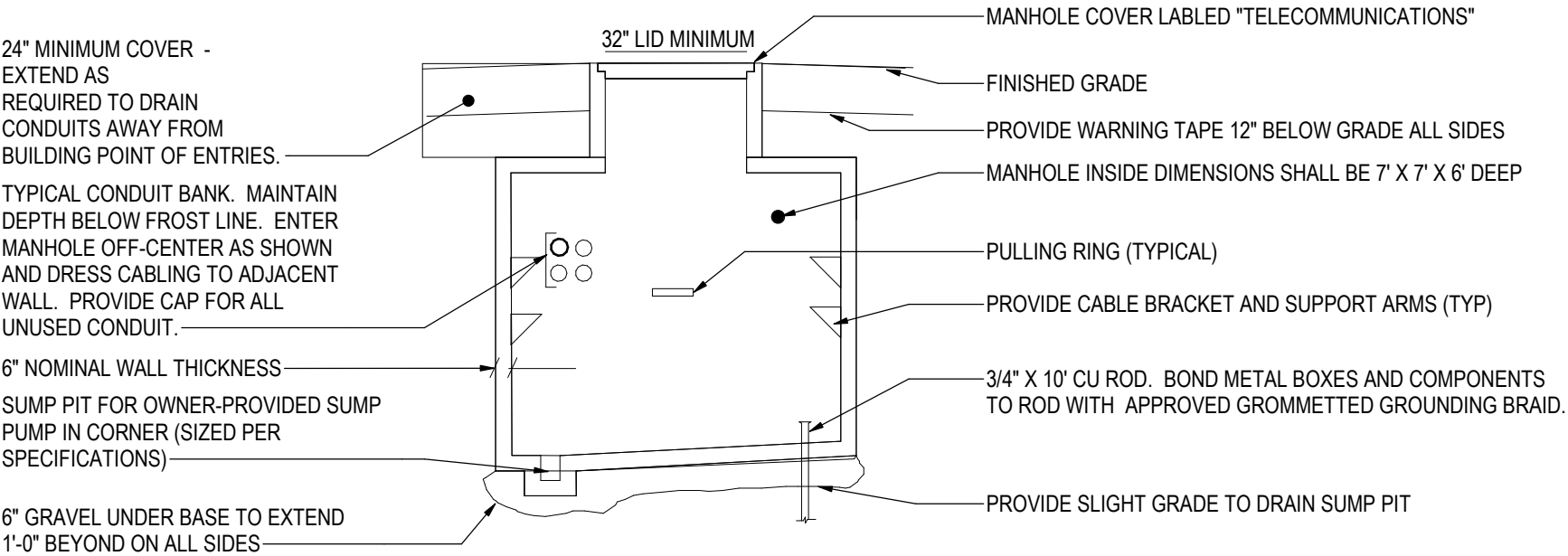
AREA OF RESCUE (AOR) COMMUNICATIONS RISER DIAGRAM
Not to Scale

<div>Yale</div>	<div>Notes</div>	<div>Client/Project</div> <div>YALE UNIVERSITY</div> <div>ITS INFRASTRUCTURE CONSTRUCTION STANDARDS</div> <div>Revision No. 1.0</div> <div>Date 07/31/2020</div>	<div>Title</div> <div>AREA OF RESCUE COMMUNICATIONS RISER DIAGRAM</div> <div>Detail Number</div> <div>T038</div>
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7/31/2020 4:27:00 PM <Pick location in Project Information>



TYPICAL TELECOMMUNICATIONS MAINTENANCE HOLE
Not to Scale



- NOTE:
1. PROVIDE EIGHT (8) UNUSED CONDUIT KNOCKOUTS FOR FUTURE USE ON ALL SIDES OF MANHOLES.
 2. DO NOT ROUTE CABLES SIDE TO SIDE IN MANHOLES. DRESS CABLES AROUND THE PERIMETER ON BRACKETS, LEAVE CENTER AREA OF MANHOLES FREE OF ALL WIRE AND CABLING.

TYPICAL TELECOMMUNICATIONS MAINTENANCE HOLE - SECTION A-A
Not to Scale

Yale

Notes

Client/Project
YALE UNIVERSITY

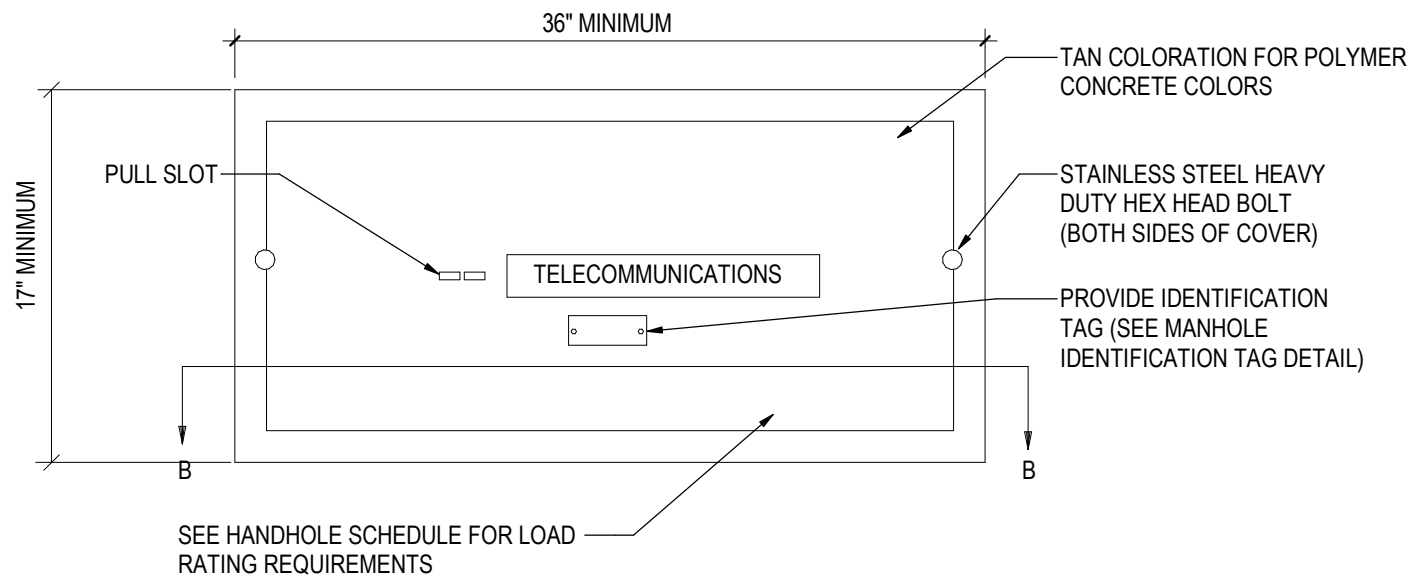
ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title
TELECOM MAINTENANCE
DETAILS

Detail Number

T039

Revision No. 1.0 Date 07/31/2020



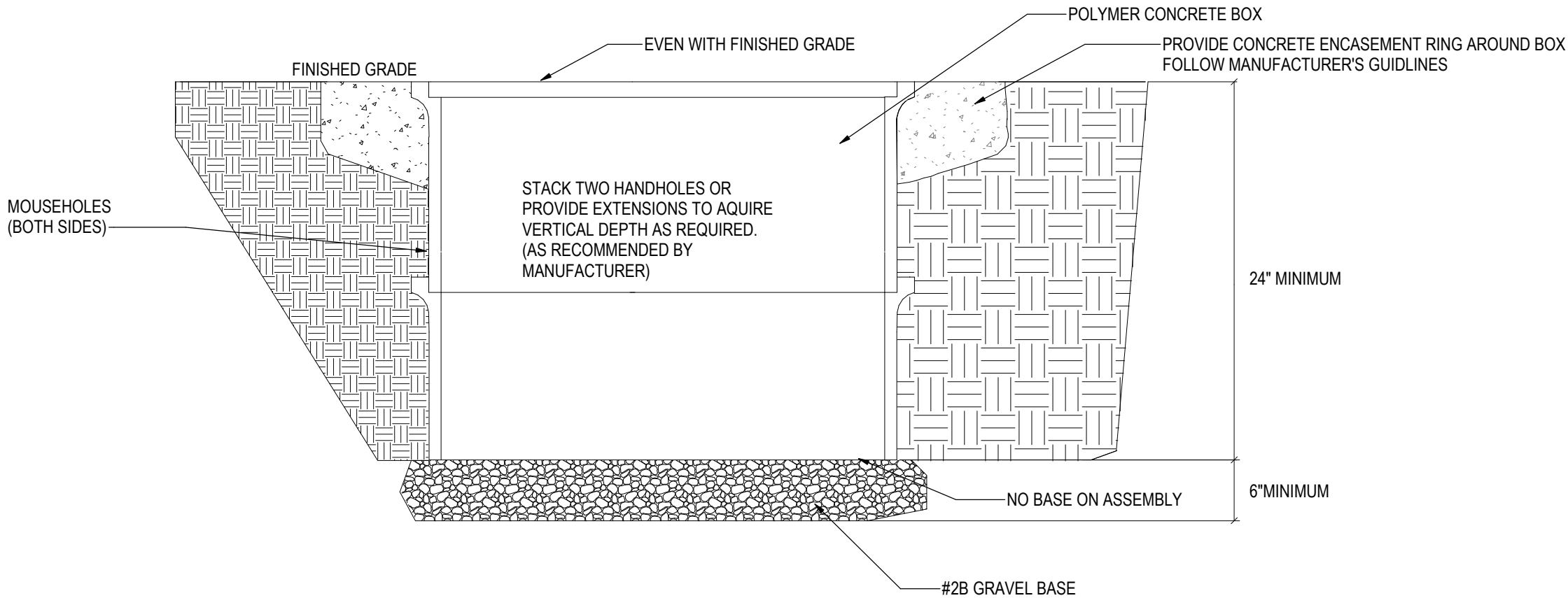
TYPICAL TELECOMMUNICATIONS HANDHOLE PLAN VIEW

Not to Scale

TELECOMMUNICATIONS HANDHOLE SCHEDULE		
HANDHOLE (HH) TYPE	LOAD RATING	APPLICATION
TYPE I	TIER 15	FOR PARKING LOTS AND OFF ROADWAYS WITH OCCASIONALLY NON-DELIBERATE HEAVY VEHICLES
TYPE II	TIER H-20	ROADWAYS AND AREAS SUBJECT TO DELIBERATE VEHICULAR TRAFFIC

TELECOMMUNICATIONS HANDHOLE SCHEDULE

Not to Scale



TYPICAL TELECOMMUNICATIONS HANDHOLE - SECTION B-B

Not to Scale

Yale

Notes

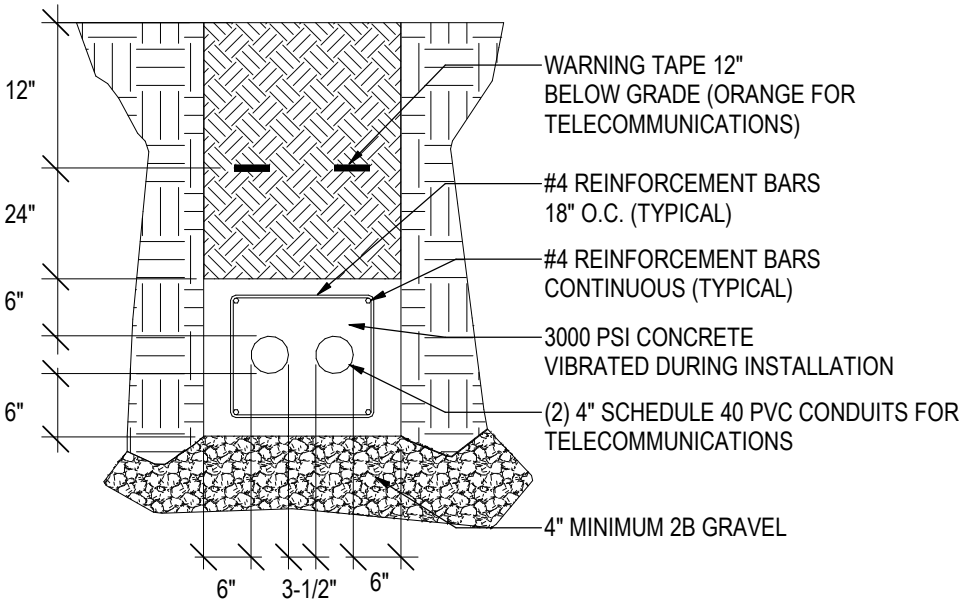
Client/Project
YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title
TELECOM HANDHOLE
DETAILS

Detail Number
T040

Revision No. 1.0
Date 07/31/2020



TELECOM DUCTBANK DETAILS (TWO CONDUITS)

Not to Scale

Yale

Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

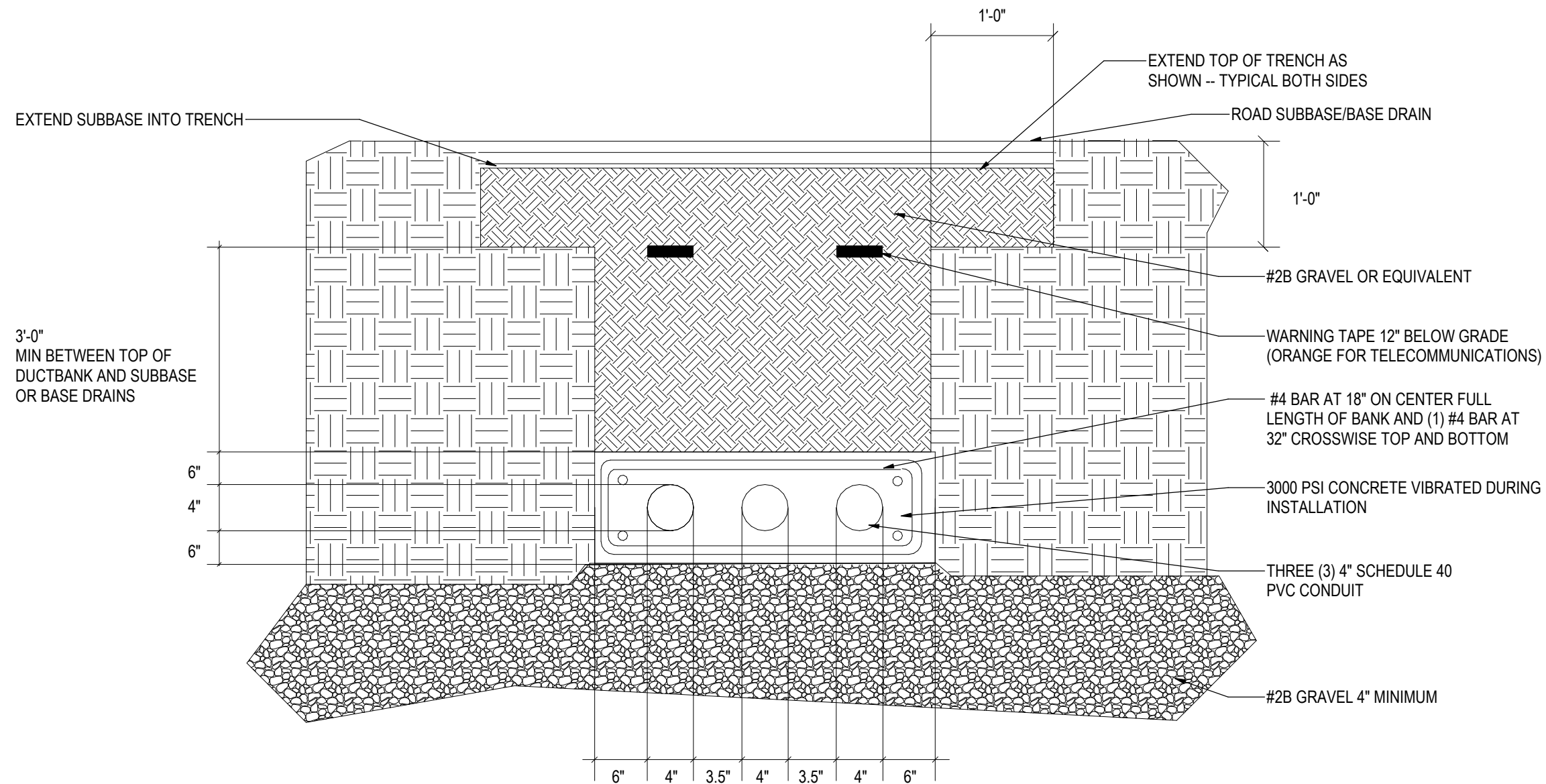
Date
07/31/2020

Title

TELECOM DUCTBANK
DETAIL - TWO (2) 4"
CONDUITS

Detail Number

T041



TELECOM DUCTBANK DETAILS (THREE CONDUITS)

Not to Scale

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Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

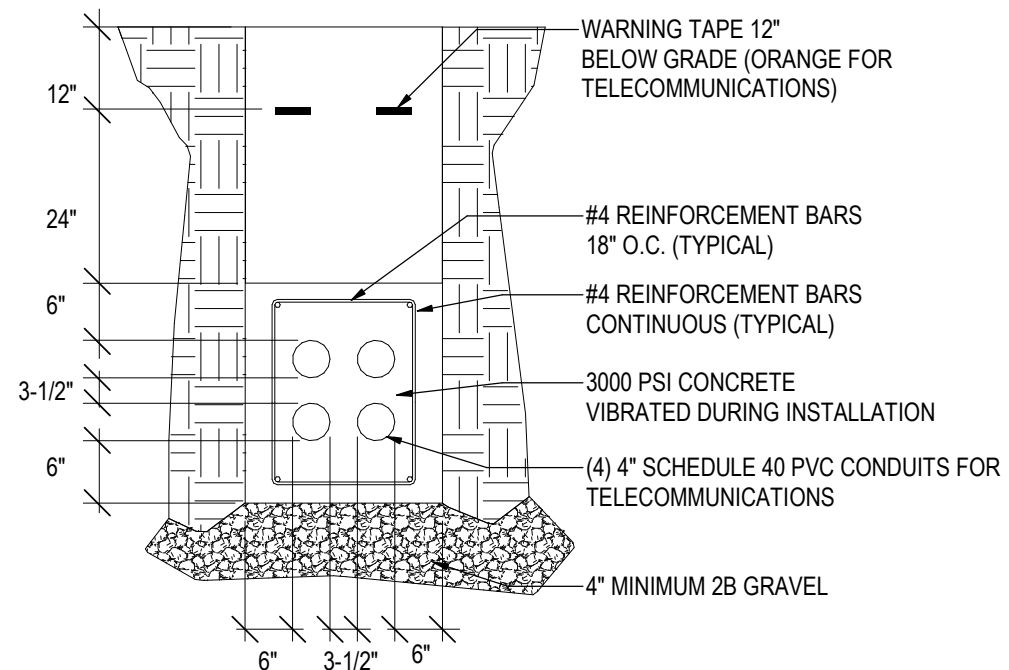
Title

TELECOM DUCTBANK
DETAIL - THREE (3) 4"
CONDUITS

Detail Number

T042

7/31/2020 4:27:02 PM <Pick location in Project Information>



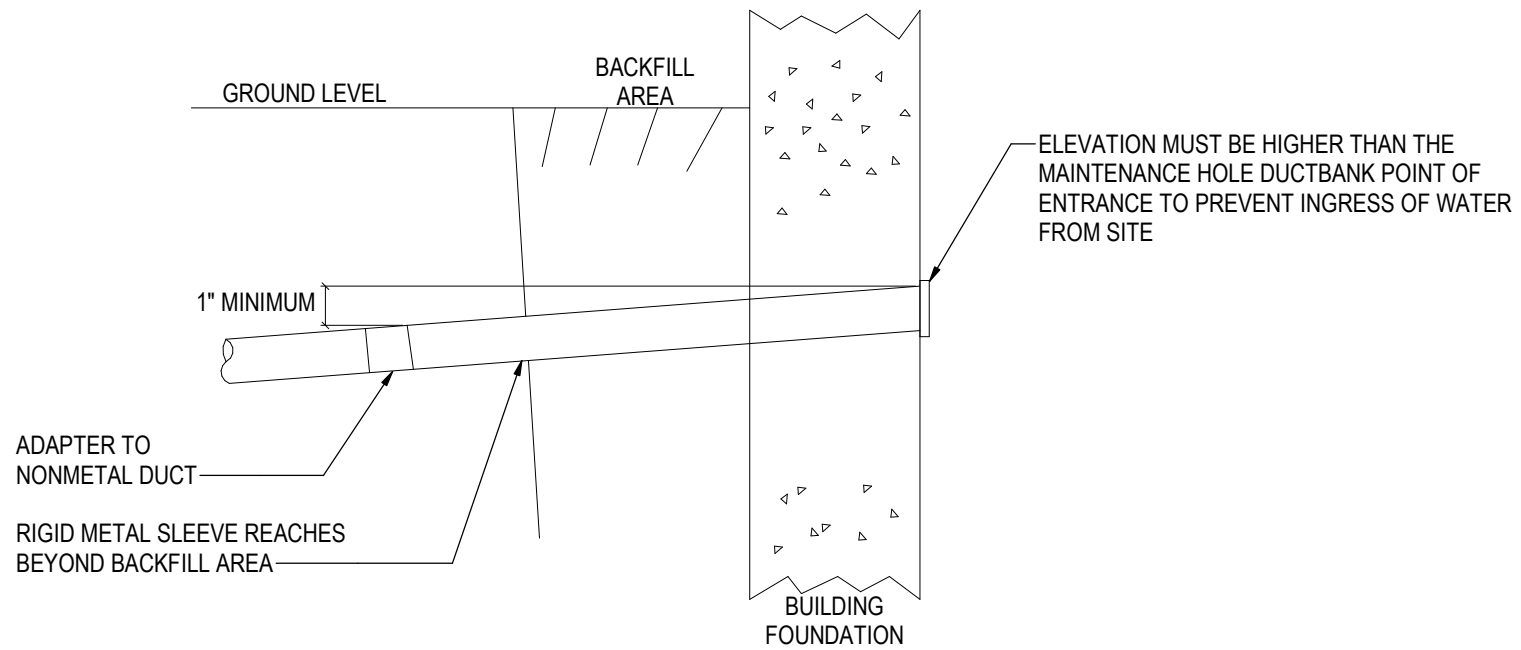
TELECOM DUCTBANK DETAILS (FOUR CONDUITS)
Not to Scale

Yale

Notes

Client/Project	
YALE UNIVERSITY	
ITS INFRASTRUCTURE CONSTRUCTION STANDARDS	
<hr/>	
Revision No.	Date
1.0	07/31/2020

Title	TELECOM DUCTBANK DETAIL - FOUR (4) 4" CONDUITS
	<hr/>
Detail Number	T043



BUILDING POINT OF ENTRANCE SECTION

Not to Scale

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Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

Title

CONDUIT BUILDING
POINT OF ENTRANCE
DETAIL

Detail Number

T044

7/31/2020 4:27:02 PM<Pick location in Project Information>

ACCESS CONTROL		ELECTRONIC VIDEO SURVEILLANCE	
<div>BR</div> BIOMETRIC READER	<div>MD</div> MOTION DETECTOR	<div>NVR</div> NETWORK VIDEO RECORDER	
<div>IR</div> HARDWARE INTEGRATED CARD READER WITH REQUEST TO EXIT AND DOOR POSITION SWITCH	<div>SUPS</div> SECURITY SYSTEM UPS	<div>CPS</div> CAMERA POWER SUPPLY	
<div>CR</div> CARD READER	<div>ACP</div> ACCESS CONTROL PANEL	<div>SW</div> SECURITY WORKSTATION	
<div>CR</div> <div>M</div> CARD READER MULLION MOUNT	<div>SPS</div> SECURITY POWER SUPPLY	<div>SM</div> SECURITY MONITOR DISPLAY	
<div>PR</div> PARKING GATE CARD READER	<div>DHPS</div> DOOR HARDWARE POWER SUPPLY	<div><div></div><div>X</div></div>	SECURITY CAMERA, TYPE AS DEFINED BY "X" A - EXTERIOR, VANDAL RESISTANT WEATHERPROOF FIXED CAMERA B - EXTERIOR, VANDAL RESISTANT WEATHERPROOF PTZ CAMERA C - EXTERIOR, VANDAL RESISTANT WEATHERPROOF WIDE DYNAMIC RANGE (CANOPY) D - INTERIOR, FIXED CAMERA E - INTERIOR, WIDE DYNAMIC RANGE (FACING EXTERIOR DOOR) CAMERA F - INTERIOR, FIXED CAMERA, CORRIDORS G - INTERIOR, FIXED CAMERA, ELEVATORS H - INTERIOR, FIXED, 180 DEGREE MULTI-IMAGER, WIDE DYNAMIC RANGE I - EXTERIOR, FIXED, 180 DEGREE MULTI-IMAGER, WIDE DYNAMIC RANGE J - INTERIOR FIXED, SINGLE SENSOR PANORAMIC FISH EYE K - EXTERIOR, FIXED, 360 DEGREE, WIDE DYNAMIC RANGE L - INTERIOR, FIXED, 360 DEGREE, WIDE DYNAMIC RANGE M - EXTERIOR, FIXED, 360 DEGREE/PTZ, WIDE DYNAMIC RANGE, POLE MOUNTED CAMERA
<div>EC</div> ELEVATOR CARD READER	<div>PE</div> POWER OVER ETHERNET LOCK		
<div>RS</div> PASSIVE INFRARED REQUEST TO EXIT	<div>DA</div> DOOR MANAGEMENT ALARM		
<div>LA</div> LOCAL ALARM	<div>EK</div> ELECTRONIC KEY BOX		
<div>RB</div> REQUEST TO EXIT PUSH BUTTON	<div>TC</div> TIME CLOCK		
<div>RX</div> REQUEST TO EXIT SWITCH IN DOOR HARDWARE	<div>CK</div> CARD READER WITH KEYPAD		
<div>EL</div> ELECTRIC LATCH RETRACTION	<div>AO</div> AUTOMATIC OPENER		
<div>DE</div> DELAYED EGRESS	<div>CH</div> DOOR CHIME		
<div>ES</div> ELECTRIC STRIKE			<div><div></div><div>CLG</div></div> CEILING MOUNTED FIXED SECURITY CAMERA
<div>ET</div> ELECTRIC TRIM			<div><div></div></div> WALL MOUNTED SECURITY CAMERA
<div>EM</div> ELECTRIC MORTISE		<div><div><div></div><div>CLG</div><div>PTZ</div></div></div> CEILING MOUNTED PAN, TILT, ZOOM SECURITY CAMERA	
<div>EH</div> ELECTRIC POWER TRANSFER OR HINGE		<div><div><div></div><div>PTZ</div></div></div> WALL MOUNTED PAN, TILT, ZOOM SECURITY CAMERA	
<div>ML</div> ELECTROMAGNETIC LOCK		<div><div><div></div><div>360°</div></div></div> CEILING MOUNTED 360° SECURITY CAMERA	
<div>DC</div> DOOR CONTACT SWITCH		<div><div><div></div><div>360°</div></div></div> WALL MOUNTED 360° SECURITY CAMERA	
<div>KS</div> KEYSWITCH		<div><div><div></div><div>180°</div></div></div> CEILING MOUNTED 180° SECURITY CAMERA	
<div>OC</div> OVERHEAD DOOR CONTACT SWITCH		<div><div><div></div><div>180°</div></div></div> WALL MOUNTED 180° SECURITY CAMERA	
<div>AO</div> AUTOMATIC OPENER			
<div>KB</div> FIREMAN'S KEY BOX			
<div>PP</div> PUSH PLATE ACTUATOR			
<div>EK</div> ELEVATOR KIOSK (FOR DESTINATION BASED ELEVATOR SYSTEM)			
<div></div> VEHICLE LOOP DETECTOR			

<div>Yale</div>	Notes	Client/Project YALE UNIVERSITY	Title SECURITY DRAWING SYMBOLS SCHEDULE
		ITS INFRASTRUCTURE CONSTRUCTION STANDARDS	
		Revision No. 1.0	
			Detail Number T045a

EMERGENCY COMMUNICATIONS

- AB

EMERGENCY ALERT BEACON
- IS

AUDIO INTERCOM SUBSTATION
- IM

AUDIO INTERCOM MAIN STATION
- VS

AUDIO/VIDEO INTERCOM SUBSTATION
- VM

AUDIO/VIDEO INTERCOM MAIN STATION
- PB

PANIC DURESS BUTTON
- RR

REMOTE RELEASE
- DB

DOOR BELL
- EP

EMERGENCY TELEPHONE
- BL

EMERGENCY TELEPHONE BLUE BEACON
- LA

LOCAL ALARM
- AS

AREA OF RESCUE TWO-WAY COMMUNICATION REMOTE STATION
- AC

AREA OF RESCUE TWO-WAY COMMUNICATIONS COMMAND UNIT

INTRUSION DETECTION

- KP

KEYPAD FOR INTRUSION DETECTION SYSTEM
- WC

WINDOW CONTACT SWITCH
- HC

ROOF HATCH CONTACT SWITCH
- GB

GLASS BREAK DETECTOR
- MD

CEILING MOUNTED INTRUSION MOTION DETECTOR
- IDP

INTRUSION DETECTION PANEL



Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.

1.0

Date

07/31/2020

Title

SECURITY DRAWING
SYMBOLS SCHEDULE

Detail Number

T045b

7/31/2020 4:27:03 PM <Pick location in Project Information>



Notes

Client/Project
YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

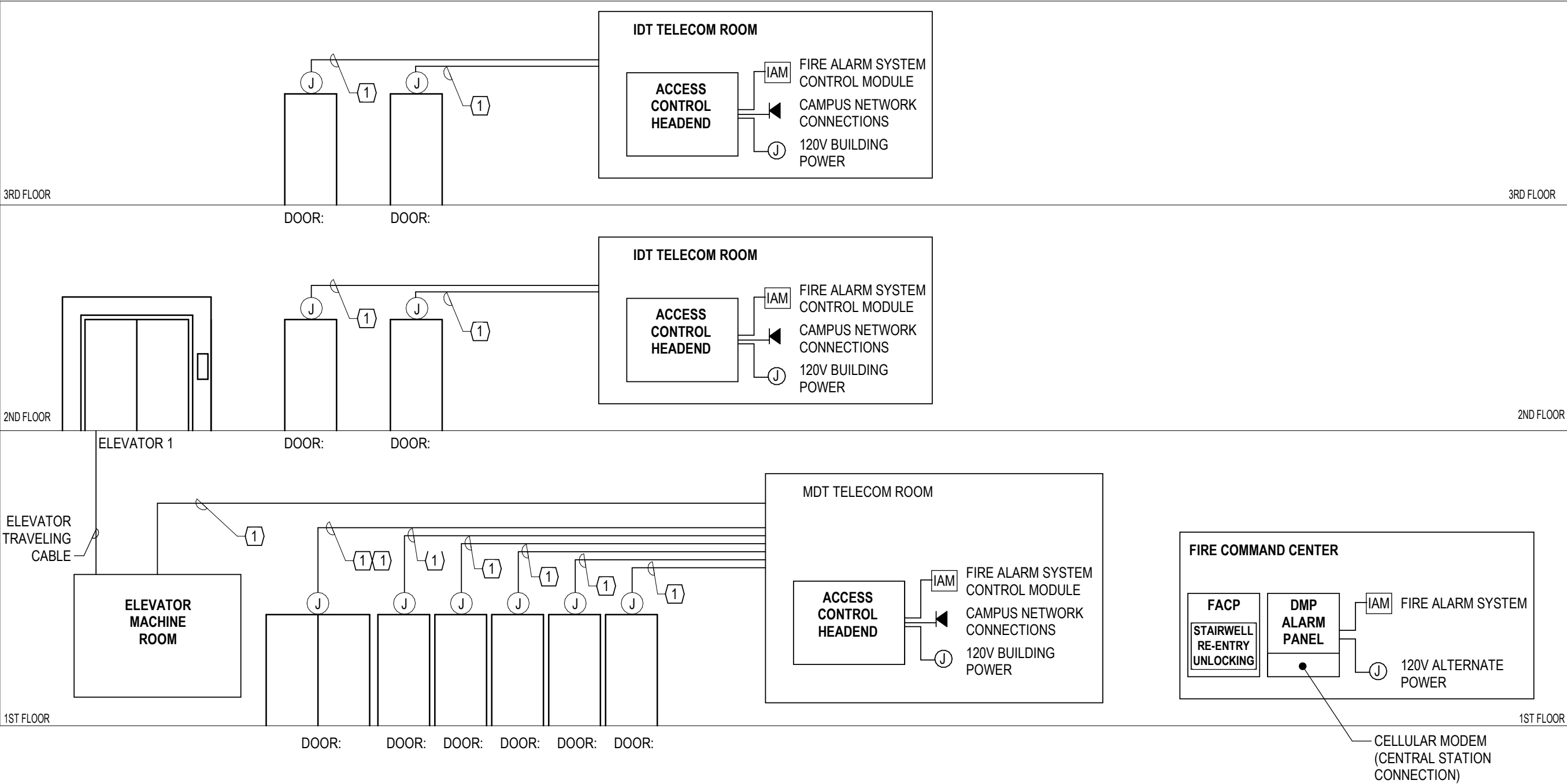
Revision No.1.0Date07/31/2020

Title
SECURITY DRAWING
ABBREVIATIONS

Detail NumberT046

ACCESS CONTROL DOOR TYPE ABBREVIATIONS

- C1 - CARD READER, SINGLE DOOR
C2 - CARD READER, DOUBLE DOOR
C1D - CARD READER, SINGLE DOOR, DELAYED EGRESS
C2D - CARD READER, DOUBLE DOOR, DELAYED EGRESS
C1F - PREP FOR FUTURE CARD READER SINGLE DOOR
C2F - PREP FOR FUTURE CARD READER DOUBLE DOOR
C1I - CARD READER, SINGLE DOOR, INTERCOM SUBSTATION
C2I - CARD READER, DOUBLE DOOR, INTERCOM SUBSTATION
C1K - CARD READER WITH KEYPAD, SINGLE DOOR
C2K - CARD READER WITH KEYPAD, DOUBLE DOOR
CO - CARD READER, OVERHEAD DOOR
CP - CARD READER, PARKING GATES
C2AO - CARD READER WITH AUTO OPENER, DOUBLE DOOR
CSL - CARD READER, SLIDING DOOR
- DE1 - DELAYED EGRESS, SINGLE DOOR
DE2 - DELAYED EGRESS, DOUBLE DOOR
- EE - ELECTRIFIED EGRESS
EO - EXIT ONLY
EEO - EMERGENCY EXIT ONLY
- M1D - MONITORED, SINGLE DOOR, DELAYED EGRESS
M1R - MONITORED, SINGLE DOOR, REQUEST TO EXIT
M2R - MONITORED, DOUBLE DOOR, REQUEST TO EXIT
M2RI - MONITORED, DOUBLE DOOR, REQUEST TO EXIT, INTERCOM SUBSTATION
- S1 - STAIRWELL CARD READER, SINGLE DOOR
S2 - STAIRWELL CARD READER, DOUBLE DOOR
S1R - STAIRWELL RE-ENTRY SINGLE DOOR
S2R - STAIRWELL RE-ENTRY DOUBLE DOOR
- V1 - VESTIBULE, ONE SET OF DOUBLE DOORS
V2 - VESTIBULE, TWO SETS OF DOUBLE DOORS
V3 - VESTIBULE, THREE SETS OF DOUBLE DOORS



ACCESS CONTROL RISER DIAGRAM

Not to Scale

CONDUCTOR/CONDUIT SCHEDULE	
1	ONE (1) COMPOSITE ACCESS CONTROL DOOR CABLE, PLENUM RATED

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

ACCESS CONTROL RISER
DIAGRAM

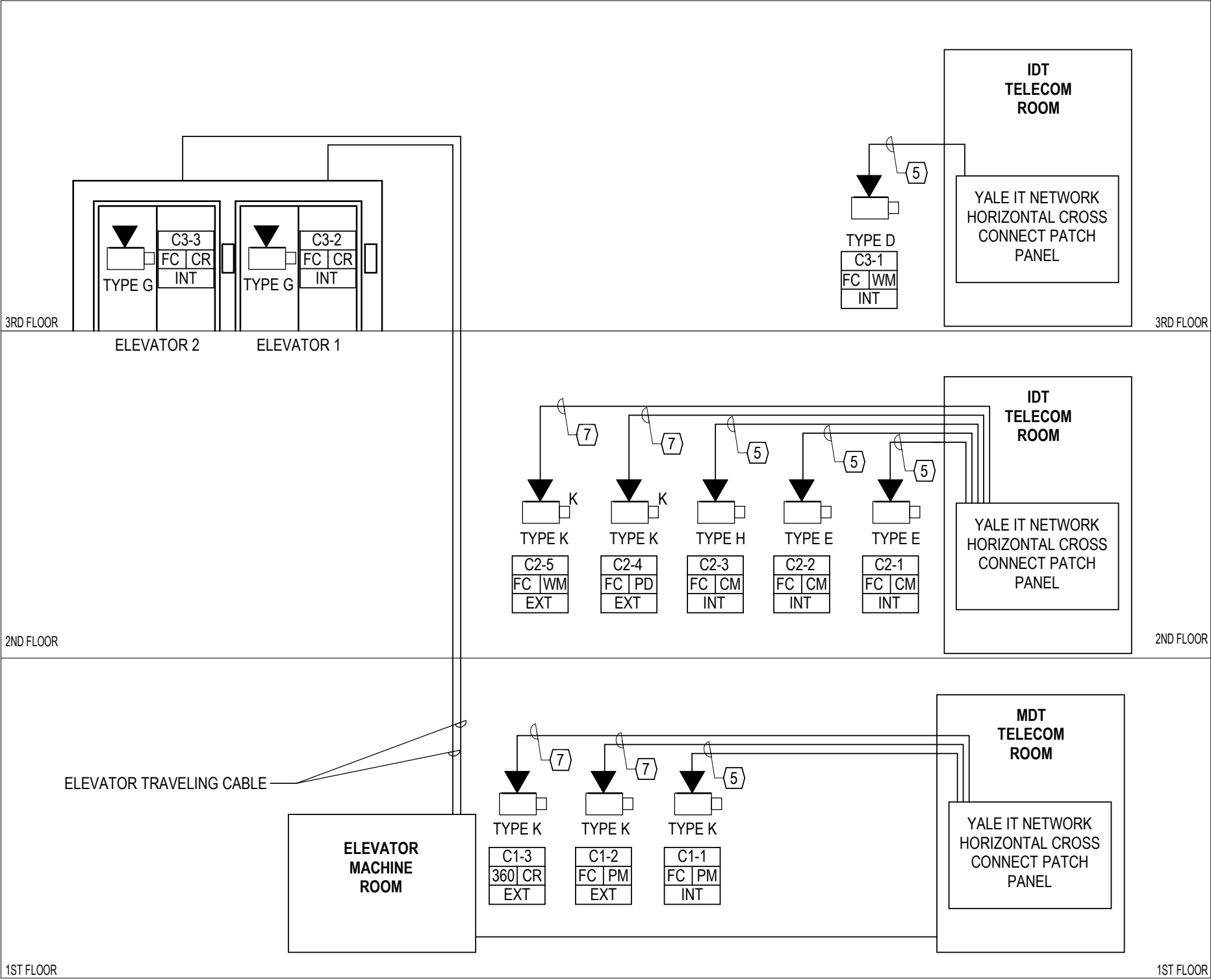
Detail Number

T047

Revision No.
1.0

Date
07/31/2020

7/31/2020 4:27:04 PM <Pick location in Project Information>



SECURITY CAMERA RISER DIAGRAM

Not to Scale

CONDUCTOR/CONDUIT SCHEDULE	
①	ONE (1) COMPOSITE ACCESS CONTROL DOOR CABLE, PLENUM RATED
②	ONE (1) 22 AWG 3 PR SHIELDED, PLENUM RATED
③	ONE (1) 18 AWG 4C, PLENUM RATED
④	ONE (1) 18 AWG 6C SHIELDED, PLENUM RATED
⑤	ONE (1) CATEGORY 6 IP POE CONNECTION (PROVIDED BY NETWORK CABLING CONTRACTOR), PLENUM RATED, PURPLE COLOR
⑥	ONE (1) RG-59U COAXIAL CABLE, PLENUM RATED
⑦	ONE (1) CATEGORY 6 IP POE NETWORK CONNECTION, INDOOR / OUTDOOR RATED CABLING (PROVIDED BY NETWORK CABLING CONTRACTOR)
⑧	ONE (1) 18 AWG 2C SOLID NONSHIELDED, PLENUM RATED
⑨	WIRELESS SYSTEM CONNECTION, PLENUM RATED
⑩	ONE (1) 6C SOLID NONSHIELDED, PLENUM RATED
⑪	ONE (1) 22AWG 2C SHIELDED, PLENUM RATED

CAMERA (CCTV) SYSTEM ONE LINE DIAGRAM LEGEND (THIS SHEET ONLY)	
FC=FIXED CAMERA PTZ=PAN, TILT AND ZOOM CAMERA 180=180 DEGREE VIEW 360=360 DEGREE VIEW INT=INTERIOR EXT=EXTERIOR	<div><div>C1-1</div><div>FC PM</div><div>INT</div></div> <div>C-***=CAMERA TAG NUMBER</div> <div>WM=WALL MOUNTED CAMERA PM=POLE MOUNTED CAMERA CM=CEILING MOUNTED CAMERA PD=PENDANT MOUNTED CAMERA CR=CORNER MOUNTED CAMERA</div>

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Notes

Client/Project

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

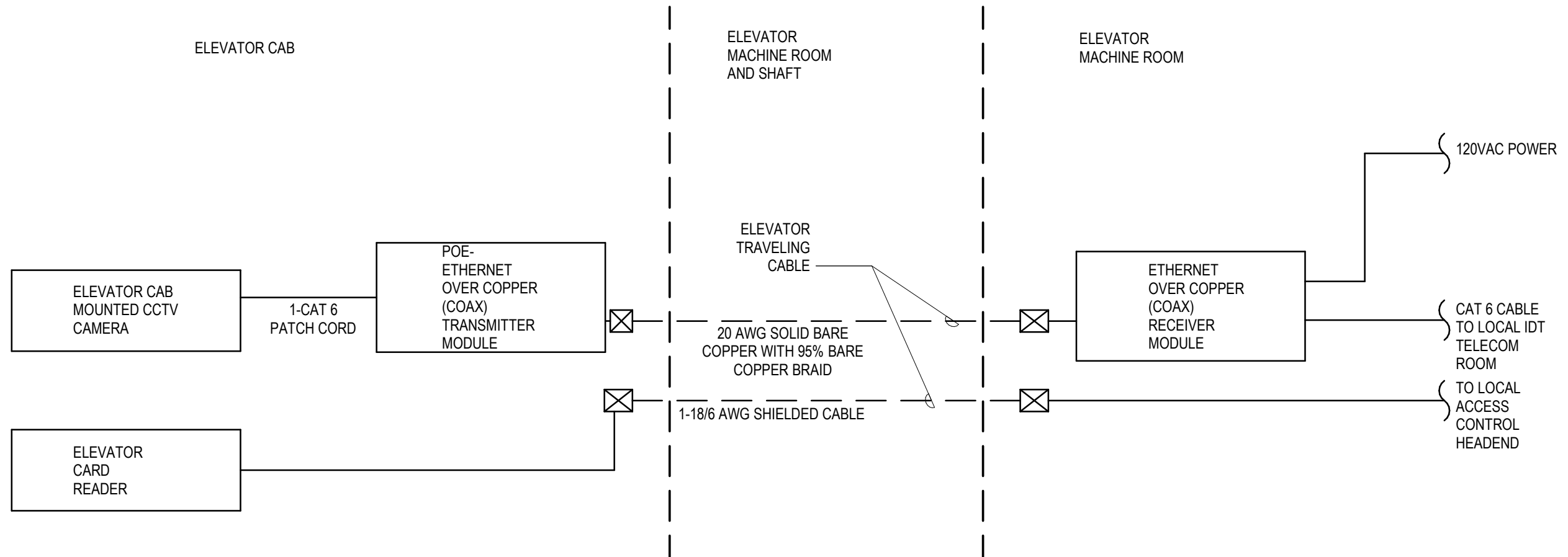
SECURITY CAMERA RISER
DIAGRAM

Detail Number

T048

Revision No.
1.0

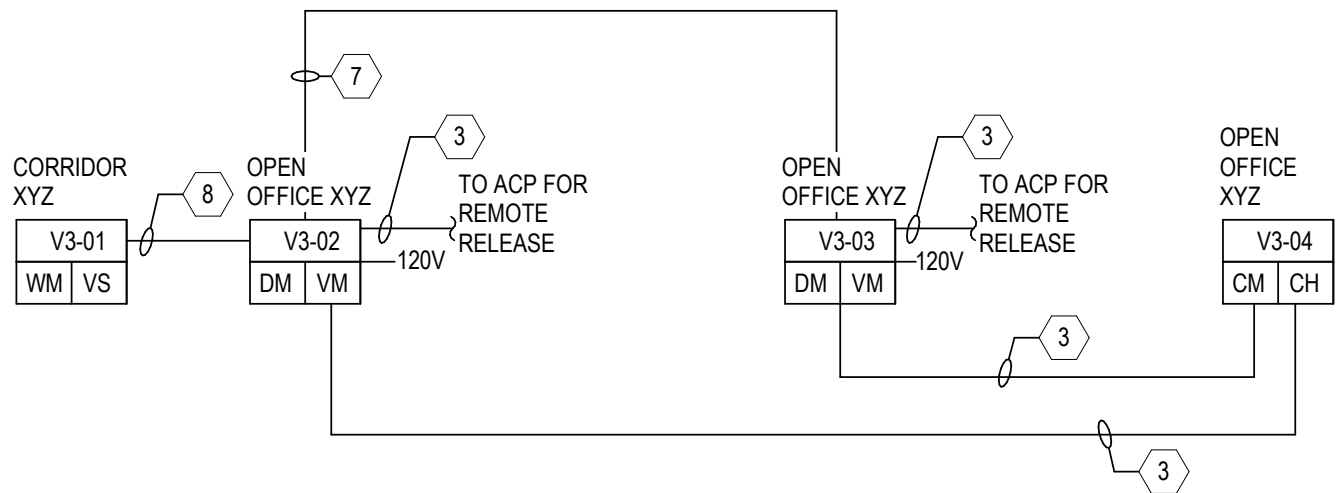
Date
07/31/2020



TYPICAL ELEVATOR CAB SECURITY RISER DIAGRAM

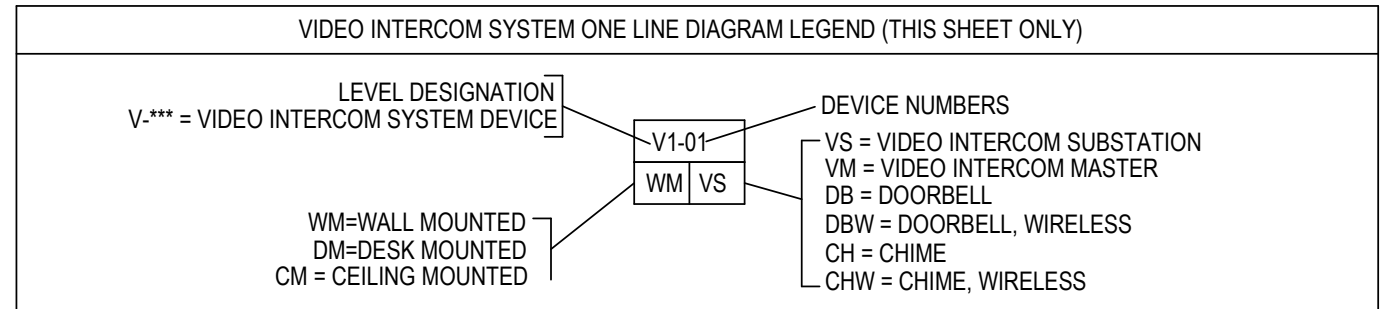
Not to Scale

7/31/2020 4:27:05 PM <Pick location in Project Information>



VIDEO INTERCOM SYSTEM RISER DIAGRAM (NON - IP BASED)

Not to Scale



CONDUCTOR/CONDUIT SCHEDULE	
1	ONE (1) COMPOSITE ACCESS CONTROL DOOR CABLE, PLENUM RATED
2	ONE (1) 22 AWG 3 PR SHIELDED, PLENUM RATED
3	ONE (1) 18 AWG 4C, PLENUM RATED
4	ONE (1) 18 AWG 6C SHIELDED, PLENUM RATED
5	ONE (1) CATEGORY 6 IP POE CONNECTION (PROVIDED BY NETWORK CABLING CONTRACTOR), PLENUM RATED
6	ONE (1) RG-59U COAXIAL CABLE, PLENUM RATED
7	ONE (1) CATEGORY 6 IP POE NETWORK CONNECTION, INDOOR / OUTDOOR PLENUM RATED CABLING (PROVIDED BY NETWORK CABLING CONTRACTOR)
8	ONE (1) 18 AWG 2C SOLID NONSHIELDED, PLENUM RATED
9	WIRELESS SYSTEM CONNECTION, PLENUM RATED
10	ONE (1) 6C SOLID NONSHIELDED, PLENUM RATED
11	ONE (1) 22AWG 2C SHIELDED, PLENUM RATED

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Notes

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ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

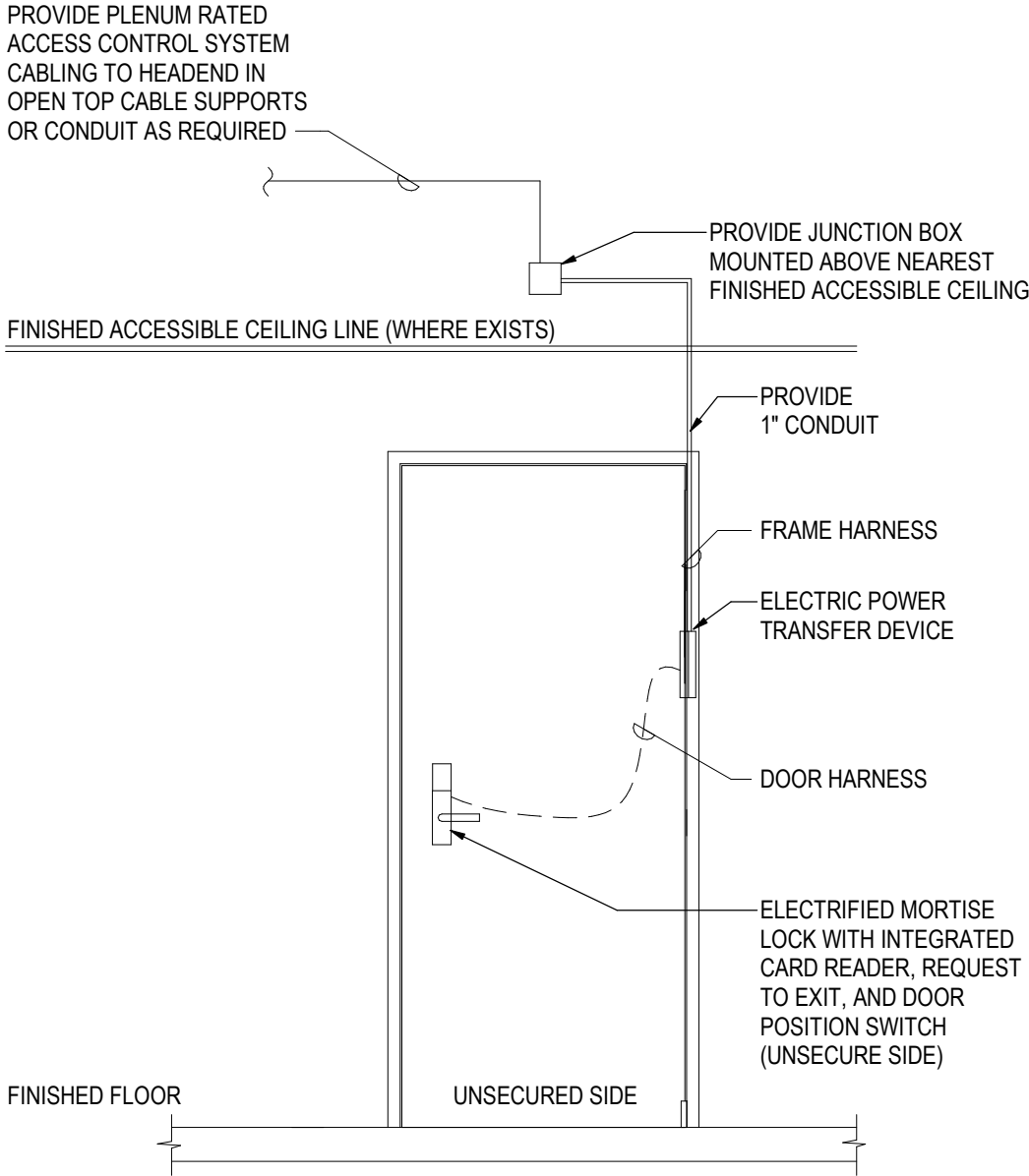
Title

VIDEO INTERCOM
SYSTEM RISER DIAGRAM

Detail Number

T050

7/31/2020 4:27:05 PM <Pick location in Project Information>



SECURITY DOOR TYPE "C1" - CARD READER, SINGLE DOOR
Not to Scale



Notes

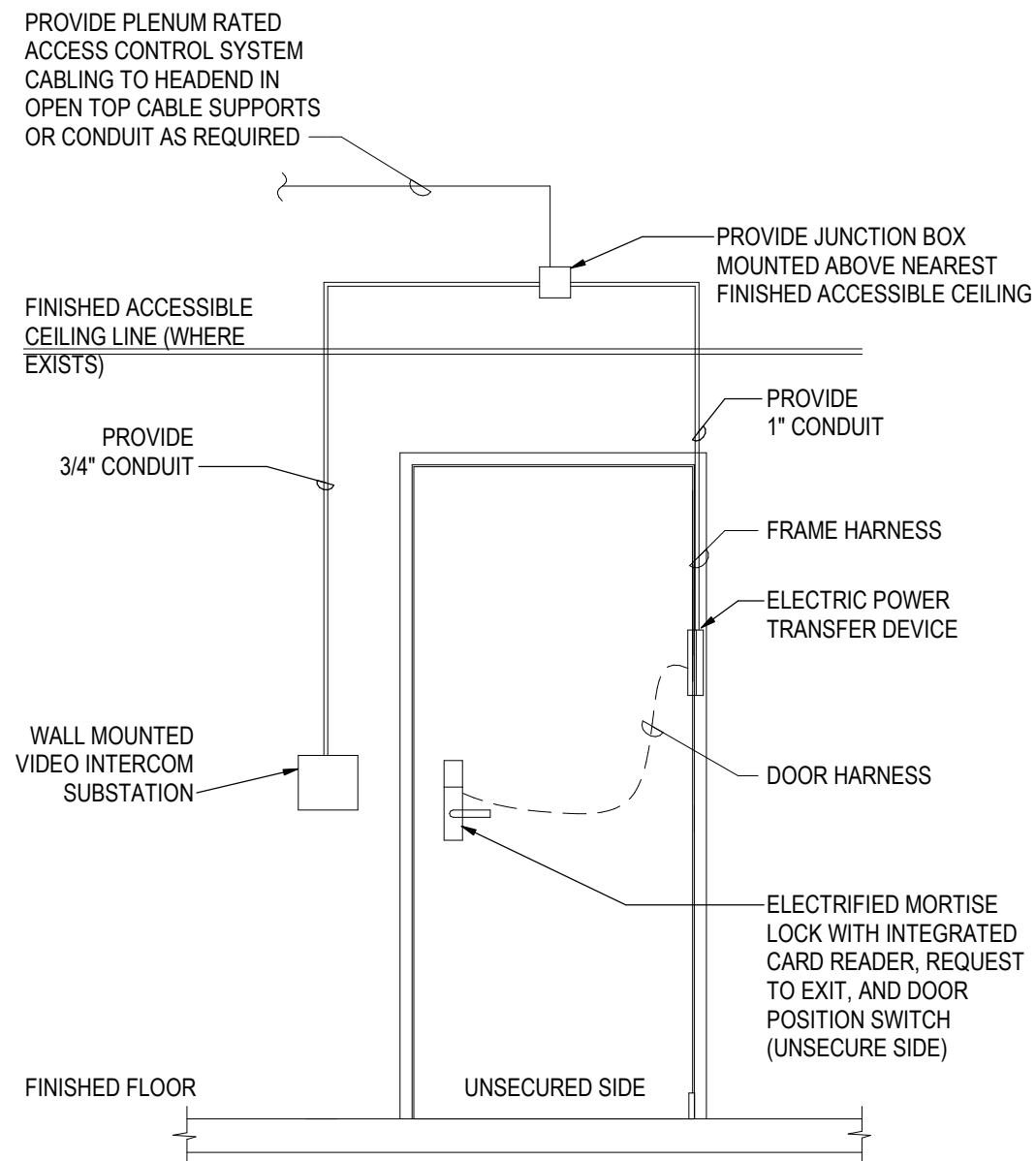
Client/Project
YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title
DOOR TYPE C1 -
INTEGRATED CARD
READER, SINGLE DOOR

Revision No. 1.0 Date 07/31/2020

Detail Number
T051



SECURITY DOOR TYPE "C1I" - CARD READER, SINGLE DOOR, INTERCOM SUBSTATION

Not to Scale

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Revision No.
1.0

Date
07/31/2020

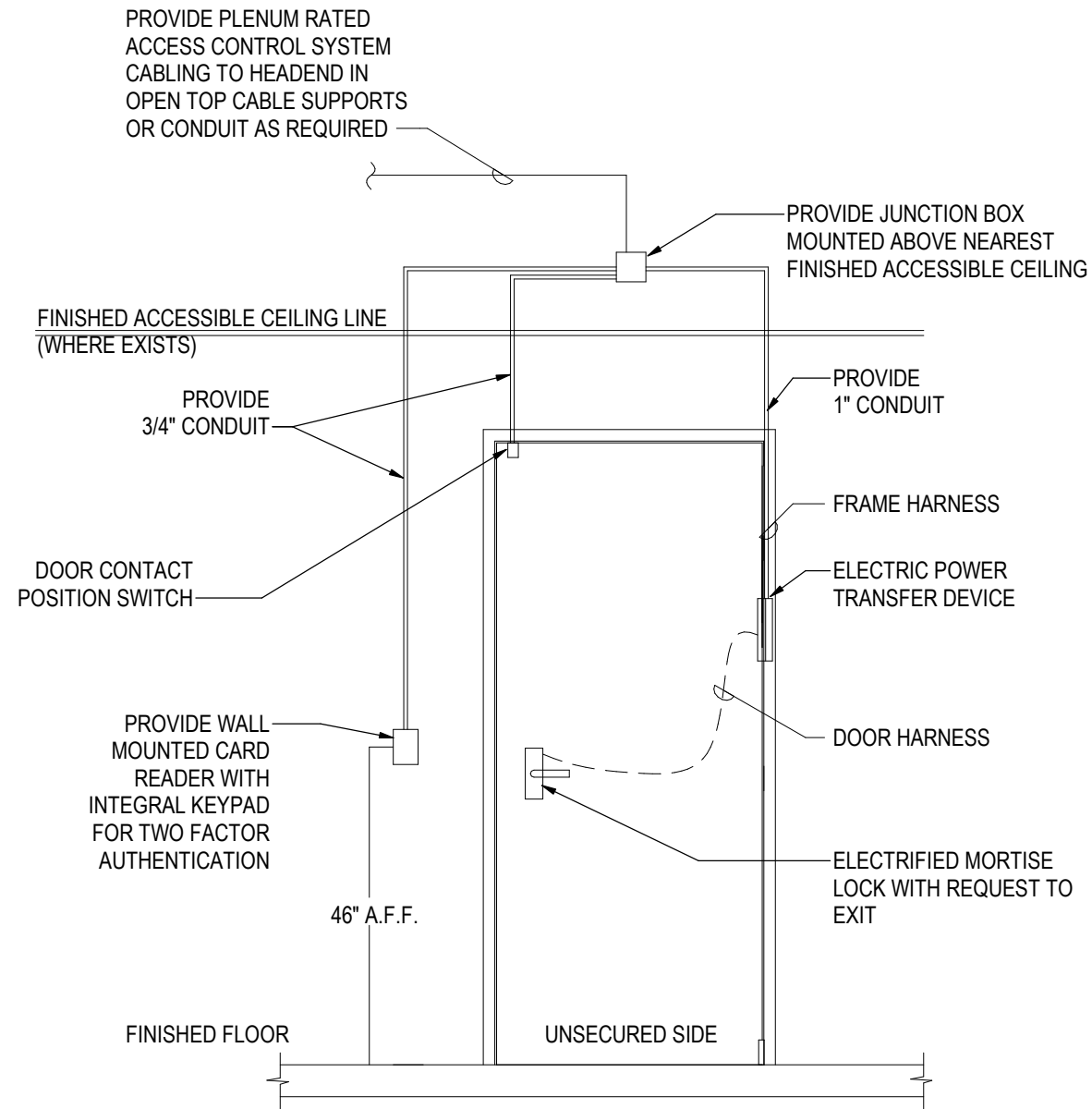
Title

DOOR TYPE C1I -
INTEGRATED CARD
READER, SINGLE DOOR,
VIDEO INTERCOM

Detail Number

T052

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SECURITY DOOR TYPE "C1K" - CARD READER WITH KEYPAD, SINGLE DOOR
Not to Scale

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Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

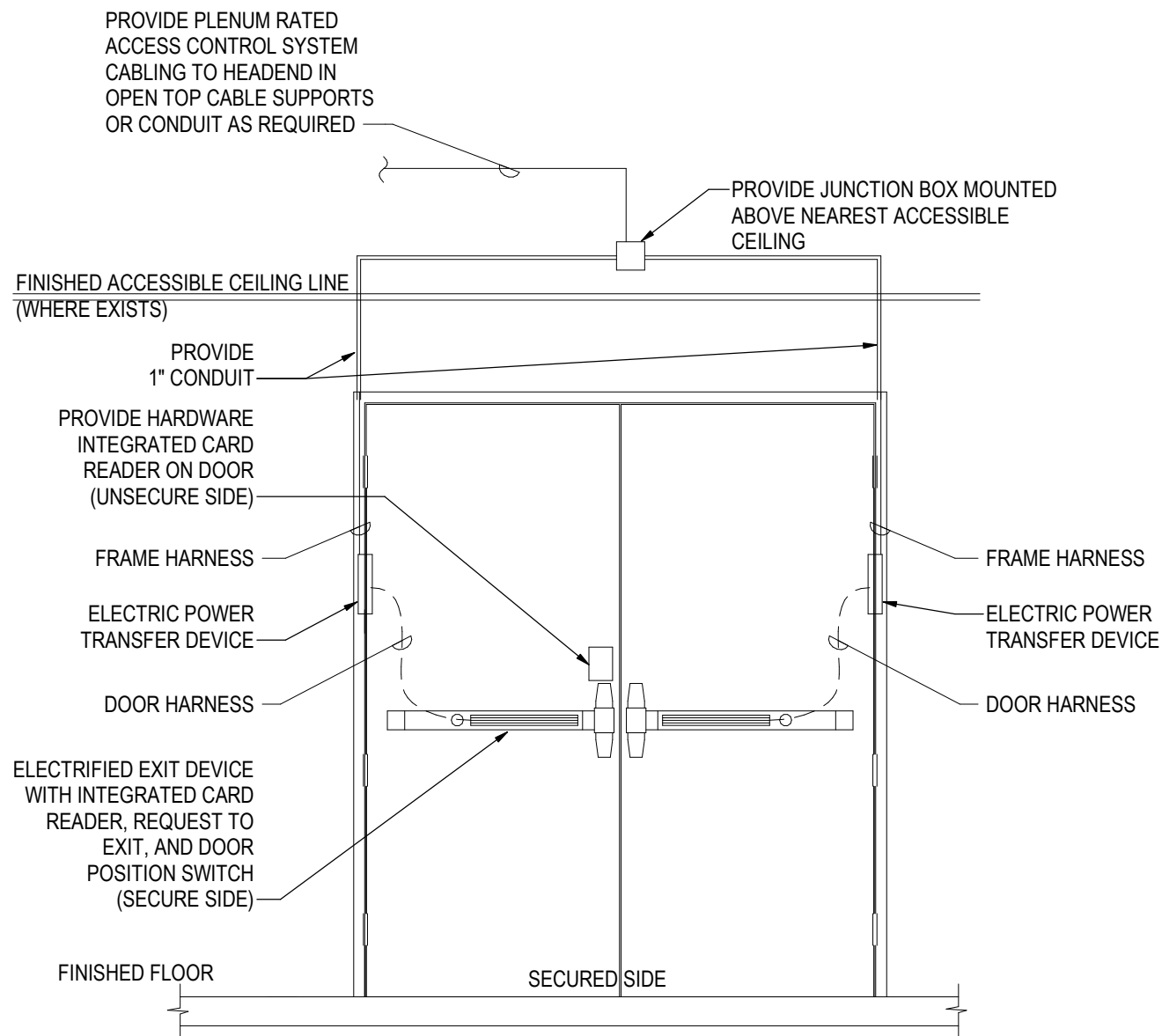
Date
07/31/2020

Title

DOOR TYPE C1K - WALL
CARD READER WITH
KEYPAD

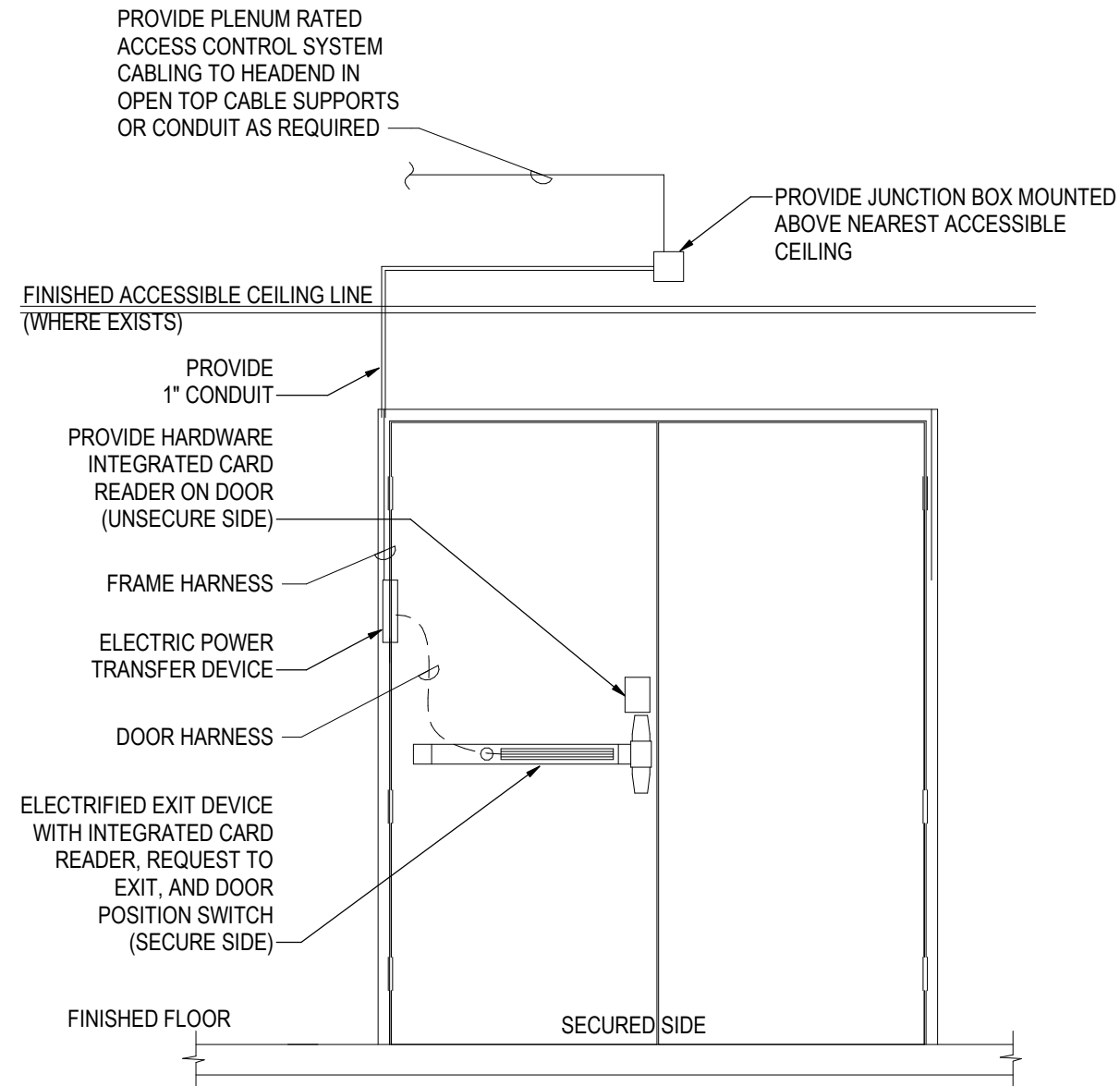
Detail Number

T053



SECURITY DOOR TYPE "C2" - CARD READER, DOUBLE DOOR

Not to Scale



SECURITY DOOR TYPE "C2" - CARD READER, DOUBLE DOOR, FIXED LEAF

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

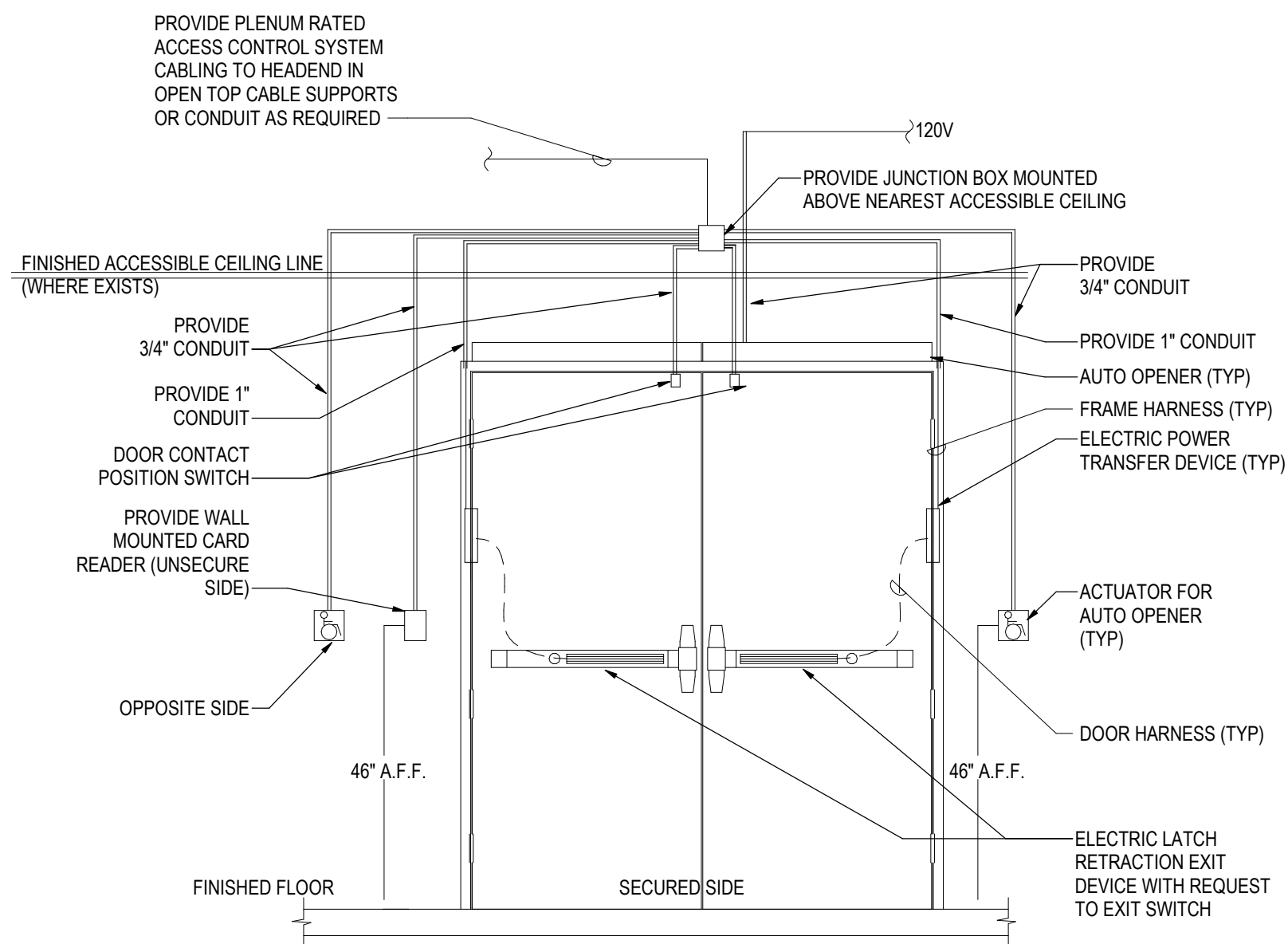
Date
07/31/2020

Title

DOOR TYPE C2 -
INTEGRATED CARD
READER, DOUBLE DOOR,
FIXED LEAF

Detail Number

T055



SECURITY DOOR TYPE "C2AO" - CARD READER WITH AUTO OPENER, DOUBLE DOOR

Not to Scale

7/31/2020 4:27:06 PM <Pick location in Project Information>

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

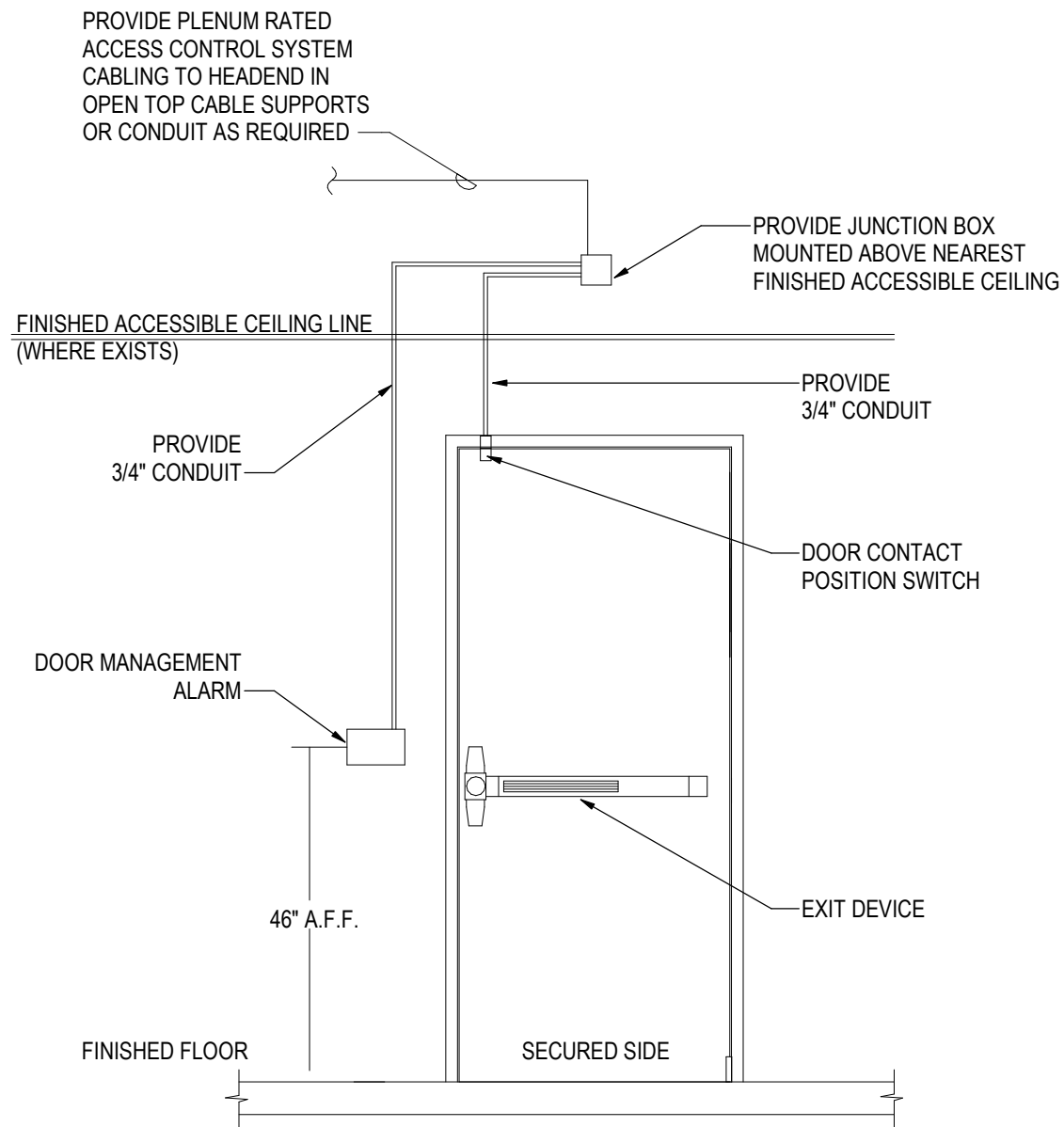
Title

DOOR TYPE C2AO -
CARD READER WITH
AUTO OPENER, DOUBLE
DOOR

Detail Number

T056

7/31/2020 4:27:06 PM <Pick location in Project Information>



SECURITY DOOR TYPE "EEO" - EMERGENCY EXIT ONLY

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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1.0

Date
07/31/2020

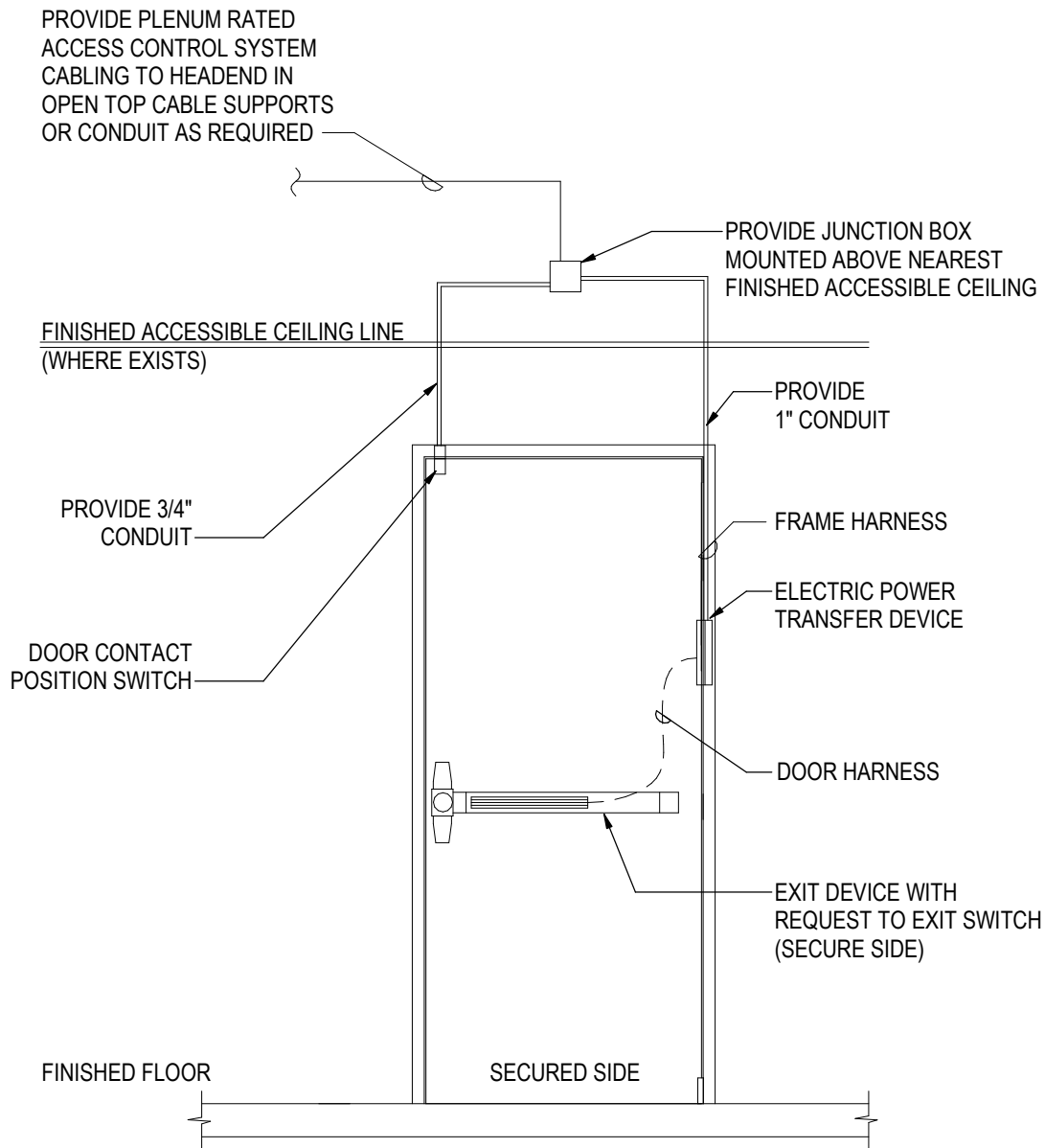
Title

DOOR TYPE EEO -
EMERGENCY EXIT ONLY

Detail Number

T057

7/31/2020 4:27:07 PM <Pick location in Project Information>



SECURITY DOOR TYPE "EO" - EXIT ONLY

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

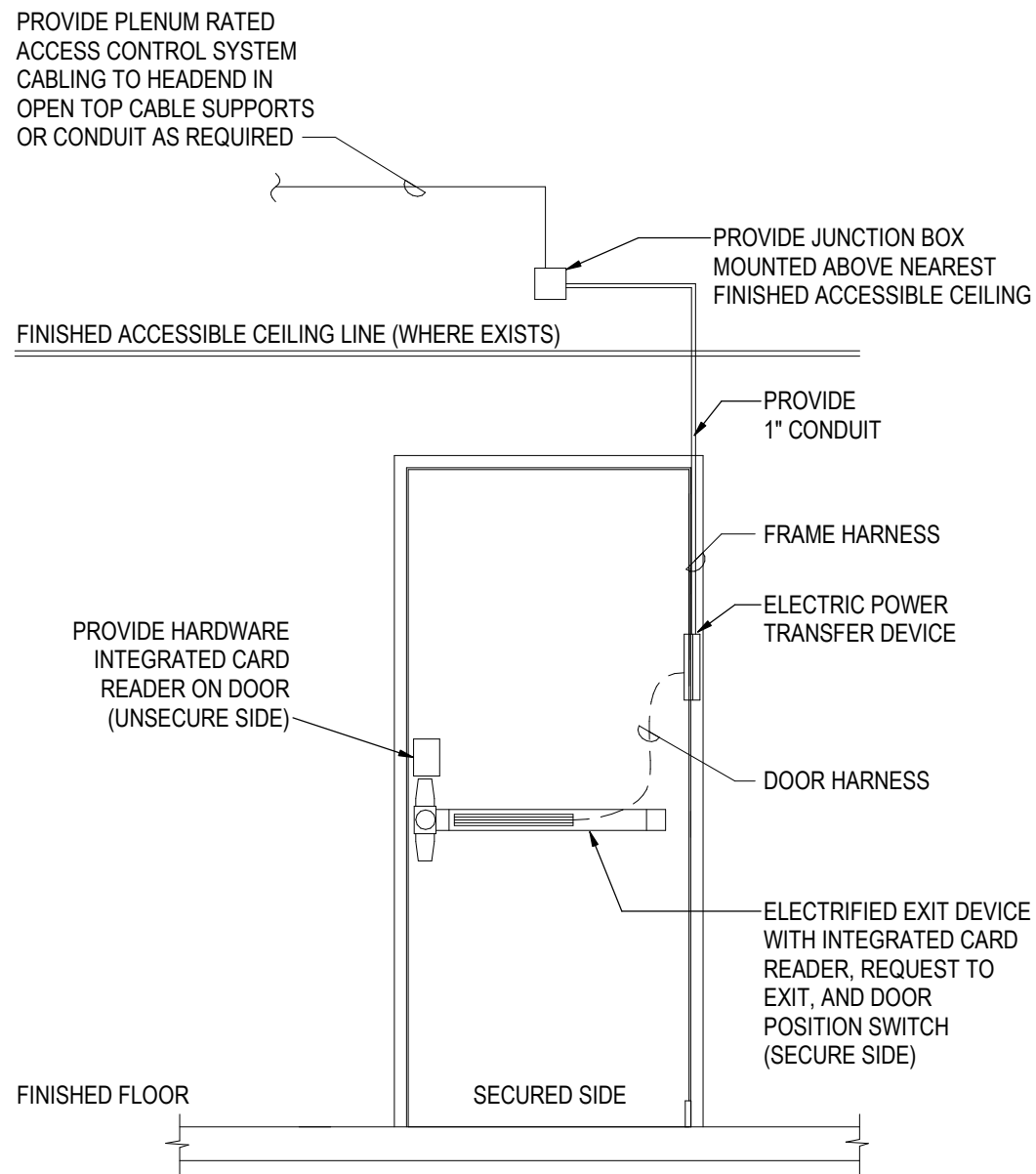
Title

DOOR TYPE EO - EXIT
ONLY

Detail Number

T058

7/31/2020 4:27:07 PM <Pick location in Project Information>



SECURITY DOOR TYPE "S1R" - STAIRWELL RE-ENTRY DOOR

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

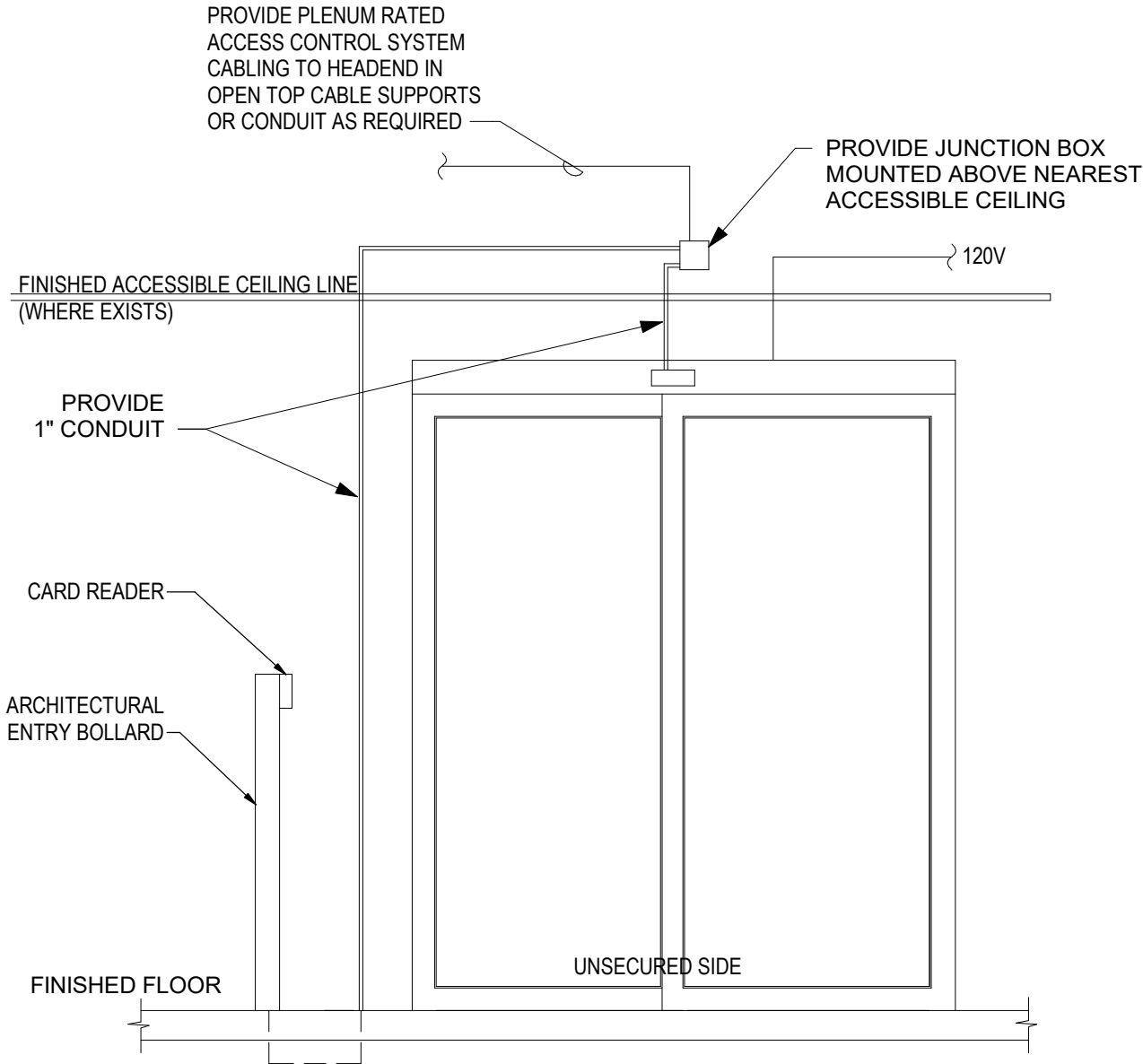
Date
07/31/2020

Title

DOOR TYPE S1R - CARD
READER, STAIRWELL
RE-ENTRY, SINGLE DOOR

Detail Number

T059



SECURITY DOOR TYPE "CSL" - SLIDING CARD READER DOOR

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

Date
07/31/2020

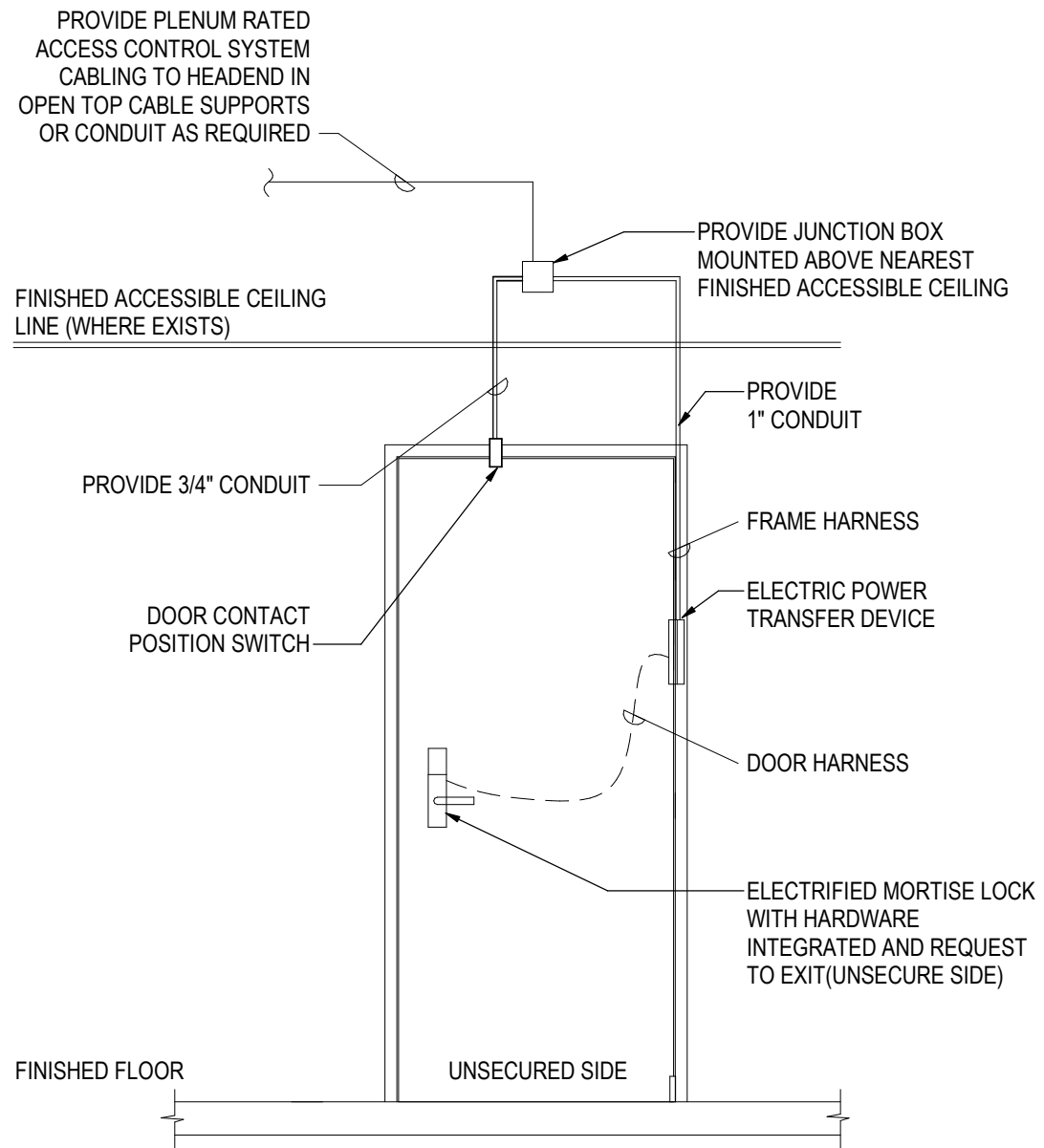
Title

DOOR TYPE CSL - SLIDING
AUTO OPERATOR DOOR

Detail Number

T060

7/31/2020 4:27:08 PM <Pick location in Project Information>



MONITORED SINGLE DOOR

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

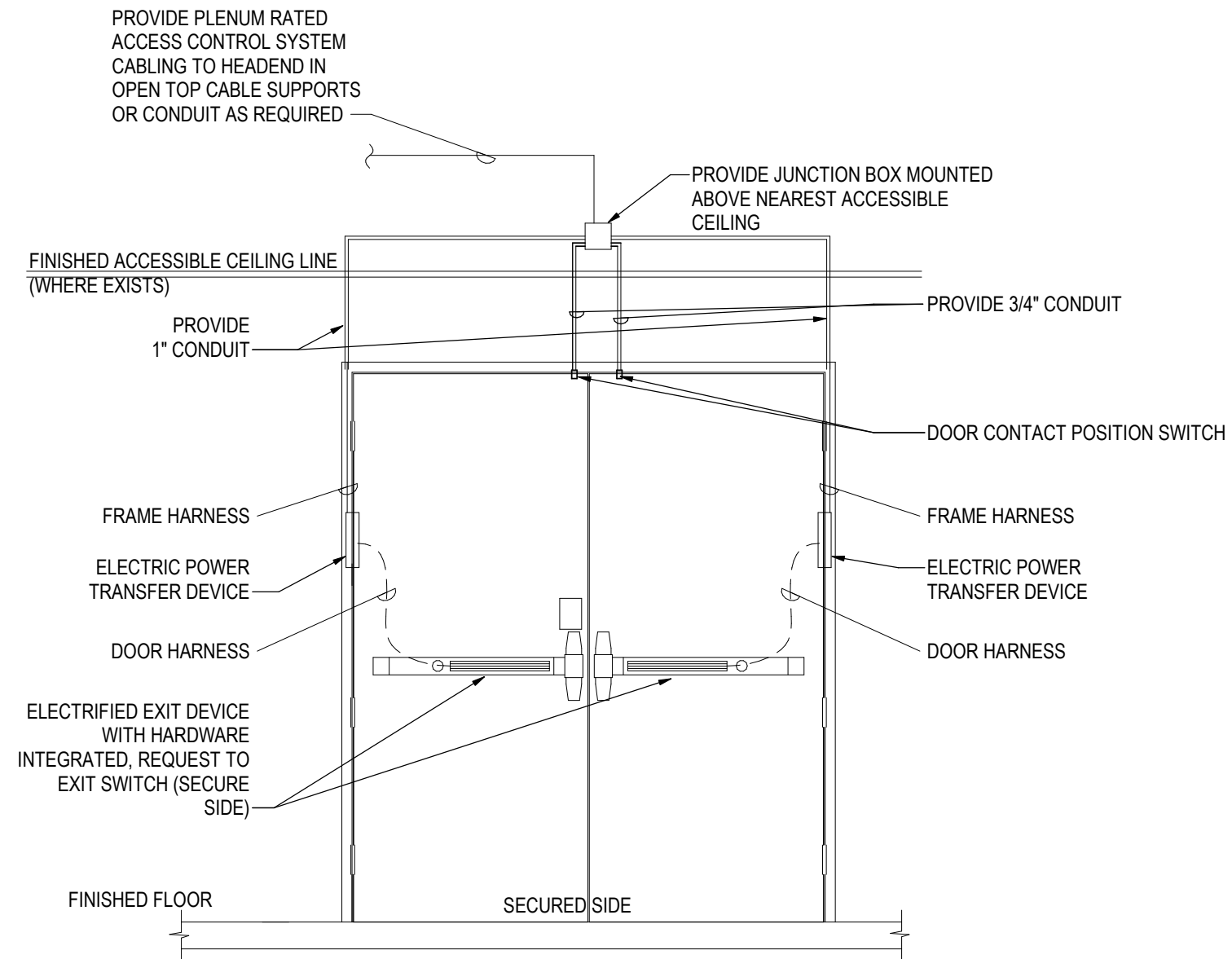
Date
07/31/2020

Title

DOOR TYPE M1 -
MONITORED SINGLE
DOOR

Detail Number

T061



MONITORED DOUBLE DOOR

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

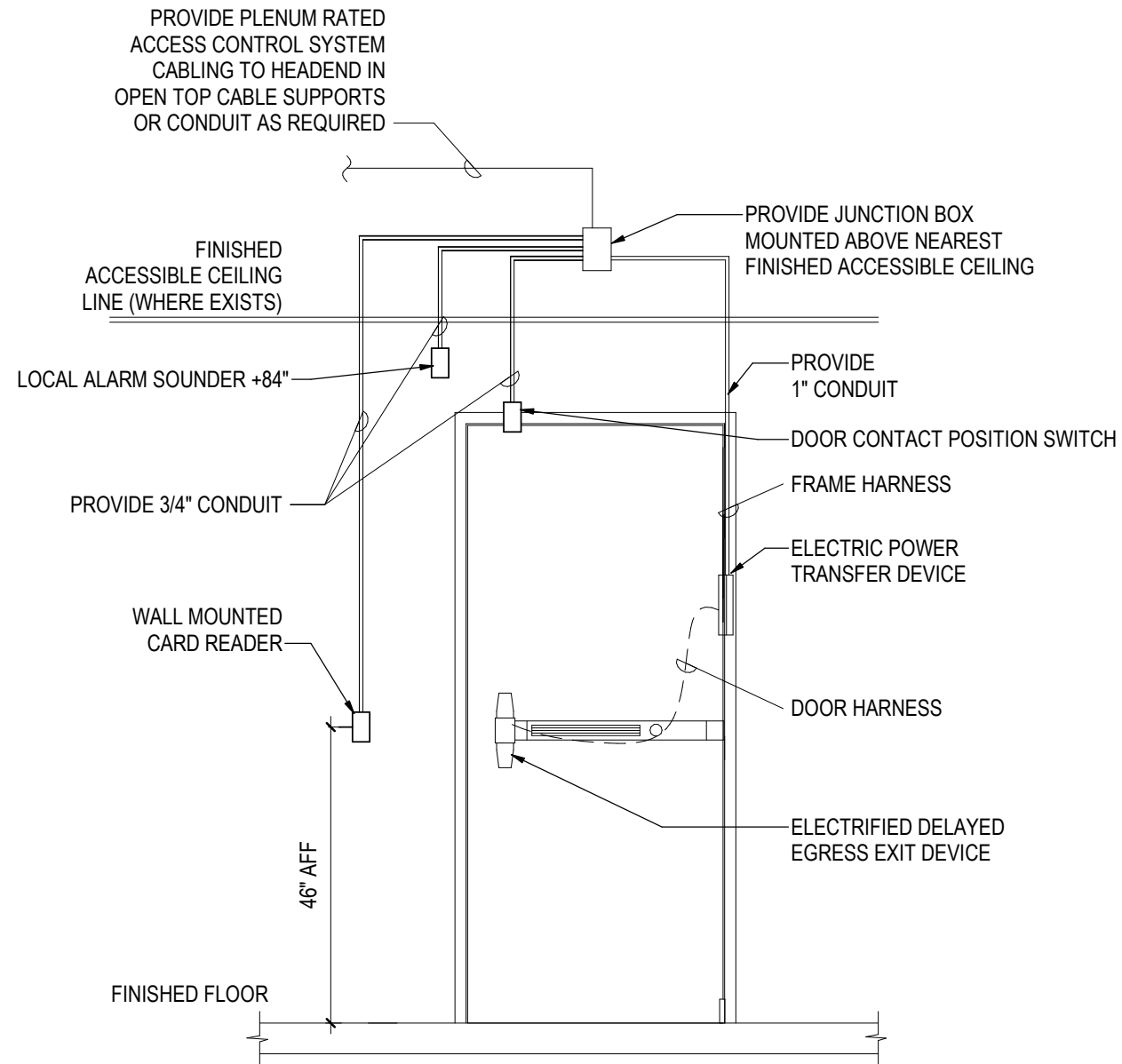
DOOR TYPE M2 -
MONITORED DOUBLE
DOOR

Detail Number

T062

Revision No.
1.0

Date
07/31/2020



DELAYED EGRESS SINGLE DOOR

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Revision No.
1.0

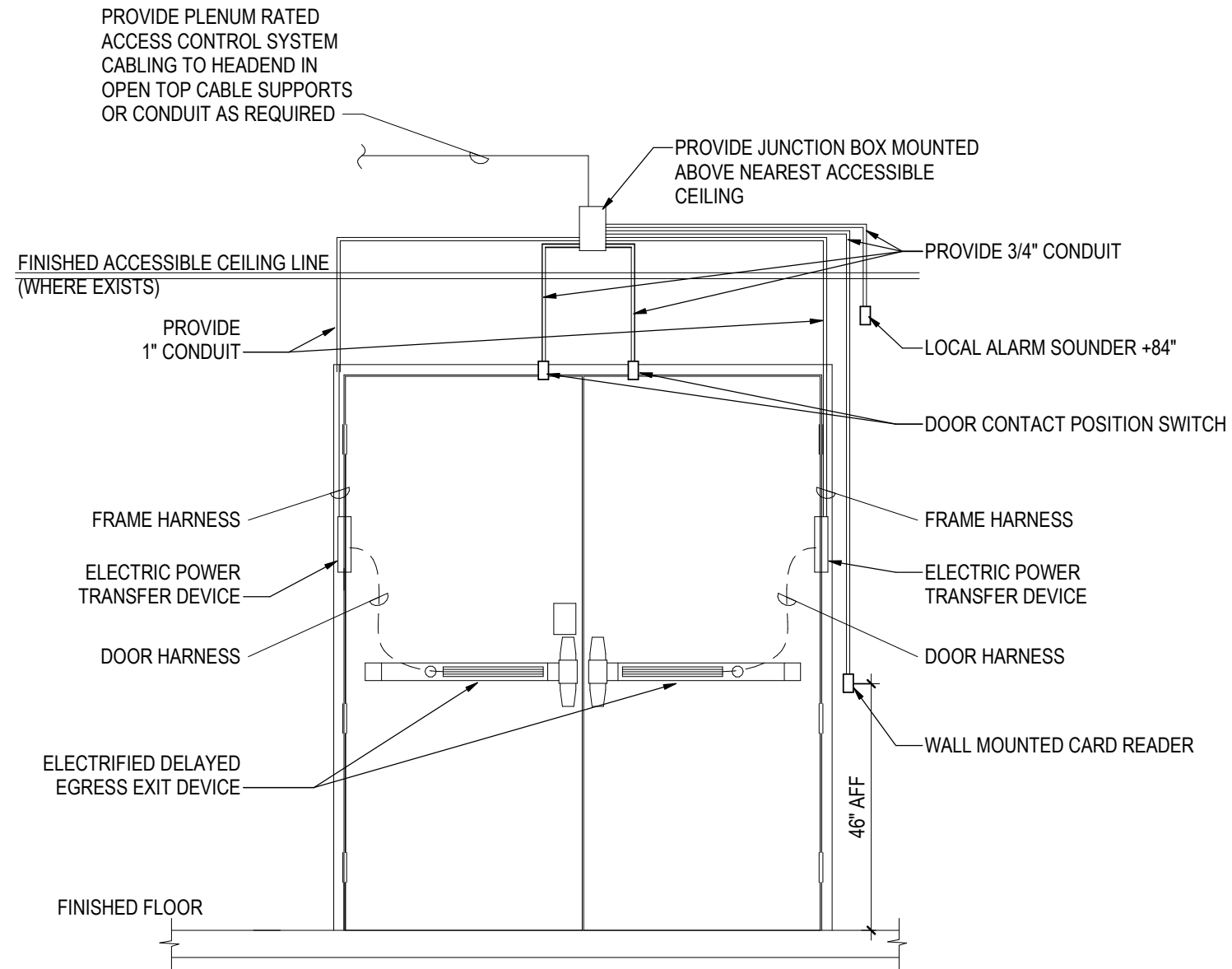
Date
07/31/2020

Title

DOOR TYPE DE1 -
DELAYED EGRESS, SINGLE
DOOR

Detail Number

T063



DELAYED EGRESS DOUBLE DOOR

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

DOOR TYPE DE2 -
DELAYED EGRESS,
DOUBLE DOOR































Detail Number

T064

Revision No.
1.0

Date
07/31/2020

AUDIOVISUAL

	AUDIOVISUAL CONTROL PANEL. "X" DEFINITES TYPE		LOCAL ROOM SYSTEM CEILING SPEAKER, ZONE "X", HIGH CEILING		FLAT PANEL SCHEDULE TAG
	FLAT PANEL DIRECT VIEW MONITOR WITH WALL MOUNT		WALL MOUNTED AUDIOVISUAL BACKBOX		CAMERA SCHEDULE EQUIPMENT TAG
	PROJECTION SCREEN WALL SWITCH		AUDIOVISUAL INPUT/OUTPUT PANEL, "X" DENOTES TYPE		PODIUM SCHEDULE EQUIPMENT TAG
	PROJECTION LIFT WALL SWITCH		AUDIOVISUAL CONFERENCEING CAMERA		EQUIPMENT RACK SCHEDULE EQUIPMENT TAG
	AUDIOVISUAL EQUIPMENT CABINET		CEILING DOCUMENT CAMERA		ASSISTIVE LISTENING SYSTEM TRANSMITTER
	AUDIOVISUAL RACK FRAME MOUNTED IN CASEWORK		CEILING IR SENSOR		PARTITION RELAY SENSOR
	WALL MOUNTED SOUND SYSTEM EQUIPMENT CABINET		FLUSH TABLE BOX, "X" DENOTES TYPE		ROOM SCHEDULING SIGNAGE
	MICROPHONE XLR BALANCED JACK		TABLE BOUNDARY MICROPHONE ARRAY		
	CEILING MOUNTED PROJECTOR		PENDANT CEILING MICROPHONE		
	LOCAL ROOM SYSTEM CEILING SPEAKER		CEILING ARRAY MICROPHONE		
			PROJECTOR SCREEN SCHEDULE EQUIPMENT TAG		
			PROJECTOR MOUNT SCHEDULE EQUIPMENT TAG		
			DIGITAL PROJECTOR SCHEDULE EQUIPMENT TAG		

7/31/2020 4:27:09 PM <Pick location in Project Information>

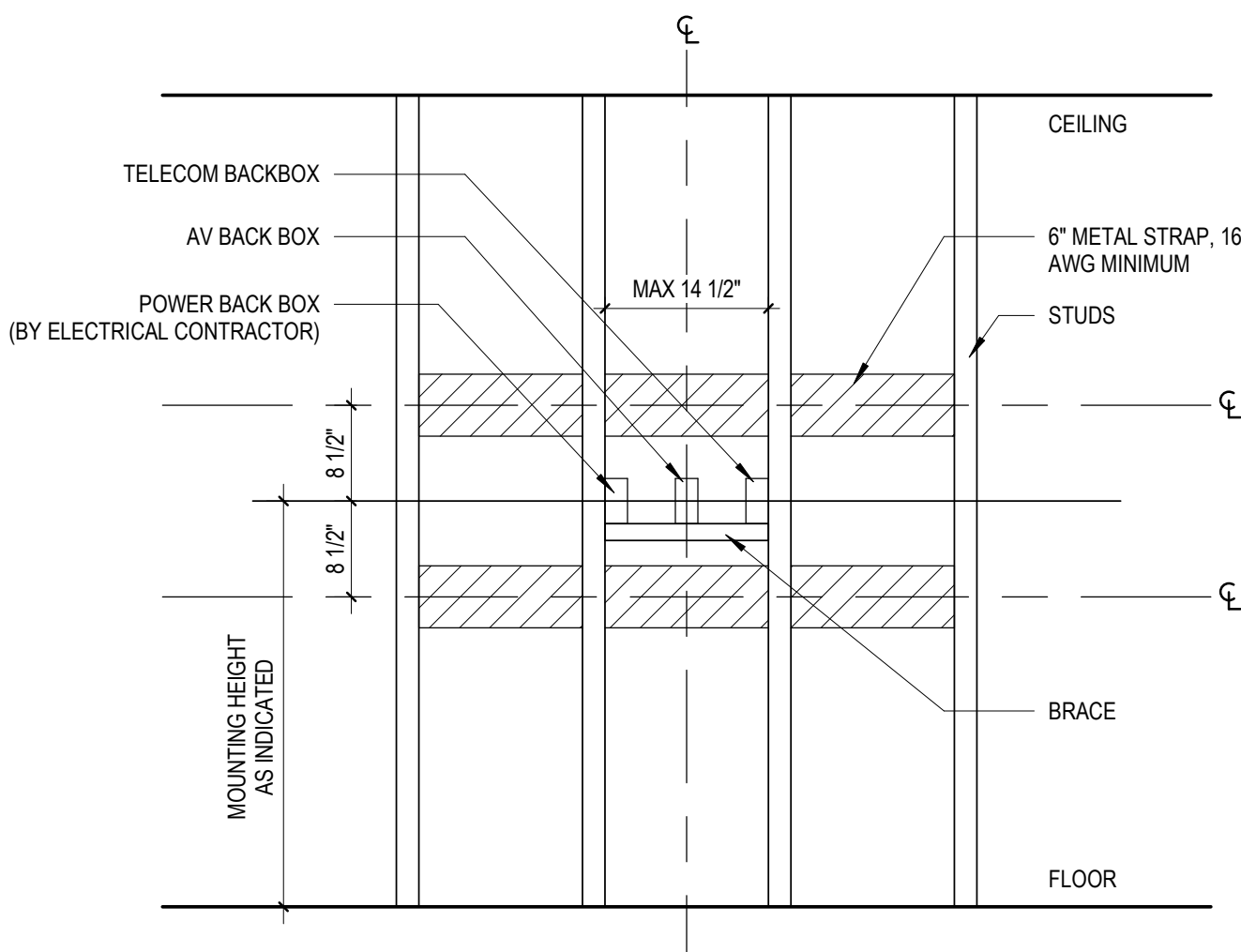


Notes

Client/Project	YALE UNIVERSITY
	ITS INFRASTRUCTURE CONSTRUCTION STANDARDS
Revision No.	1.0
Date	07/31/2020

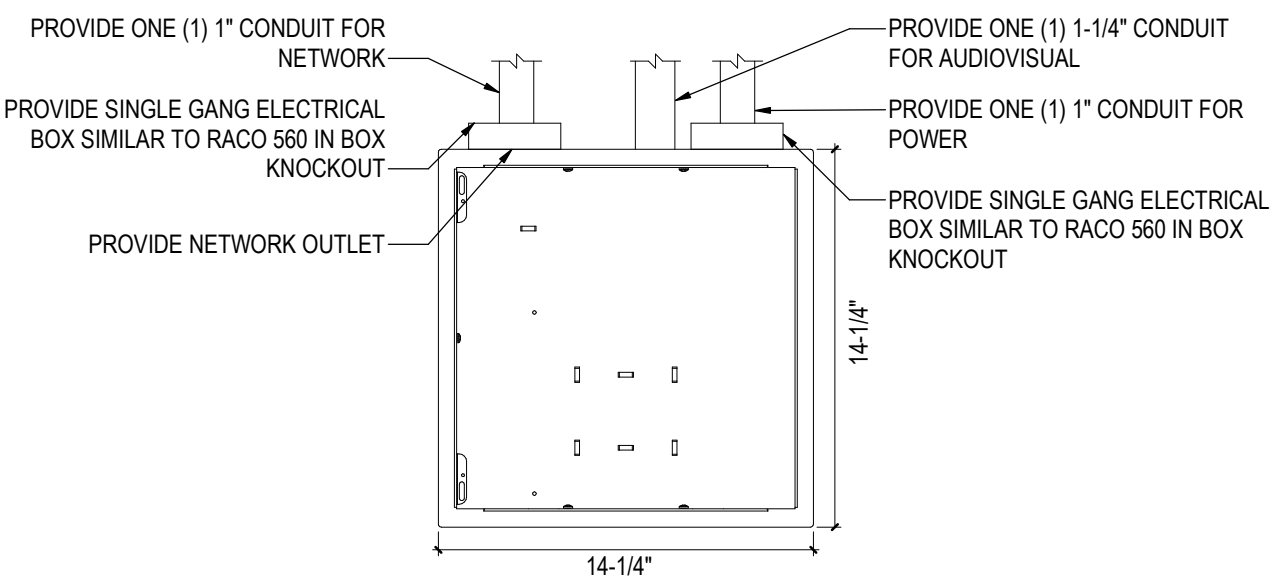
Title	DRAWING SYMBOLS SCHEDULE
Detail Number	T065

7/31/2020 4:27:09 PM <Pick location in Project Information>



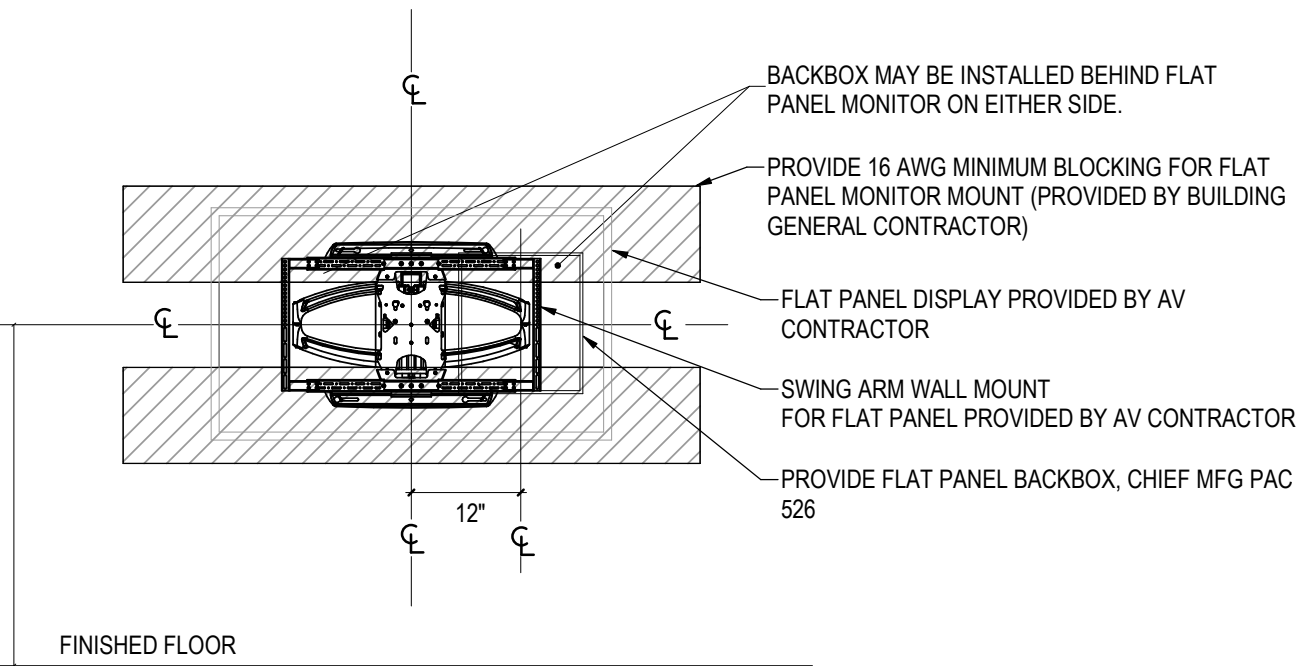
SURFACE MOUNTED FLAT PANEL BACKING DIAGRAM

Not to Scale



FLAT PANEL BACKBOX DETAIL

Not to Scale



FLAT PANEL BACKBOX ELEVATION

Not to Scale

Yale

Notes

Client/Project
YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

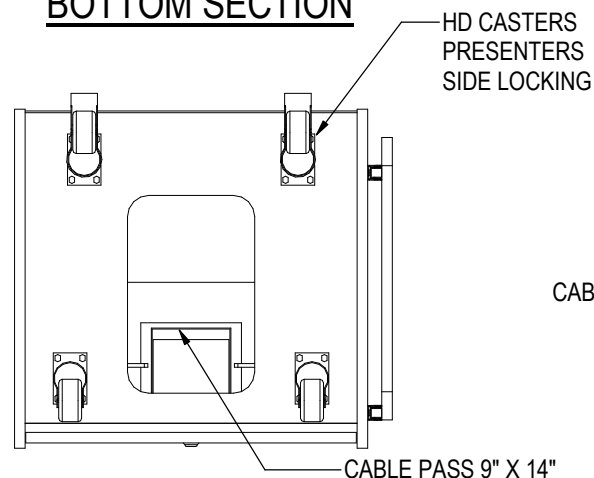
Title
SURFACE MOUNTED FLAT
PANEL BACKING
DIAGRAM

Detail Number

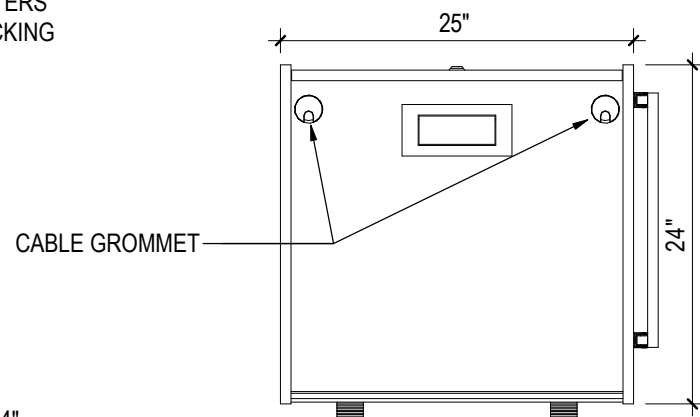
T066

Revision No. 1.0 Date 07/31/2020

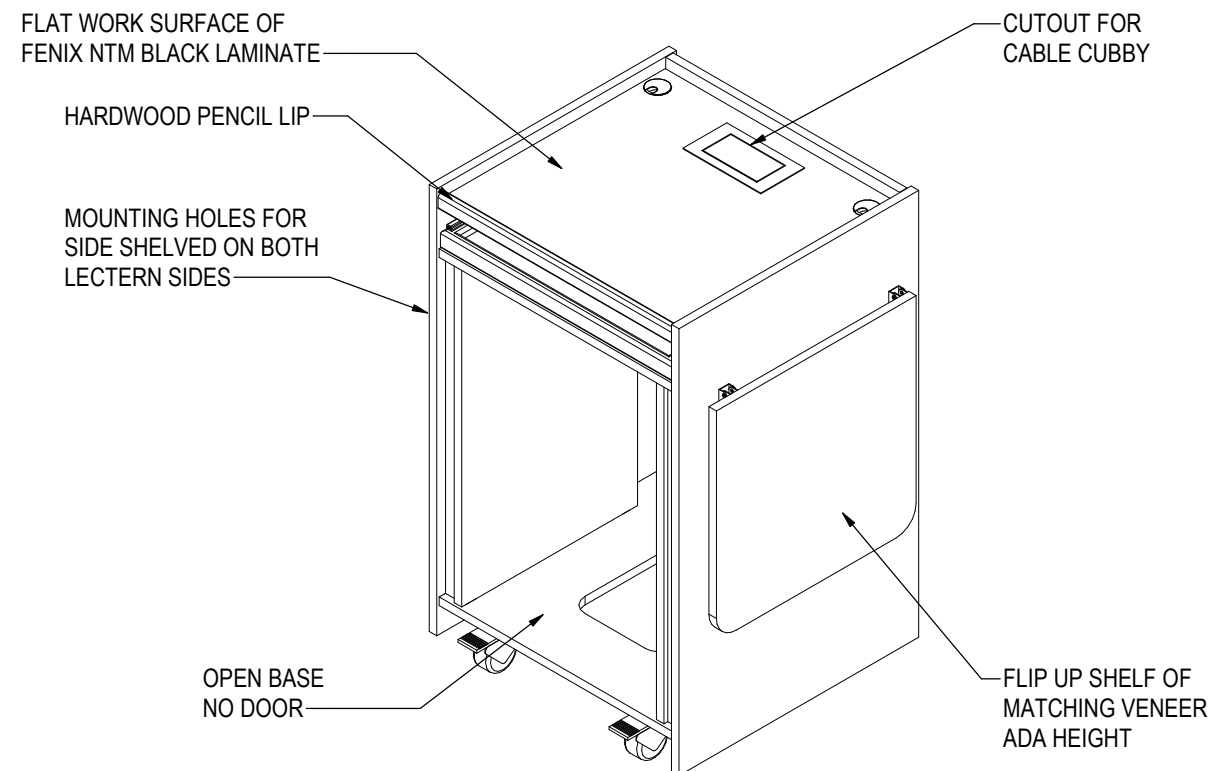
BOTTOM SECTION



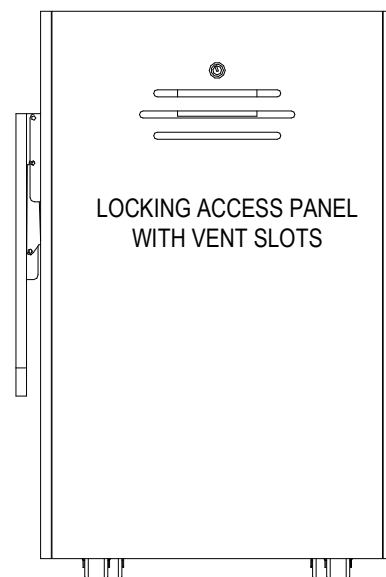
PLAN SECTION



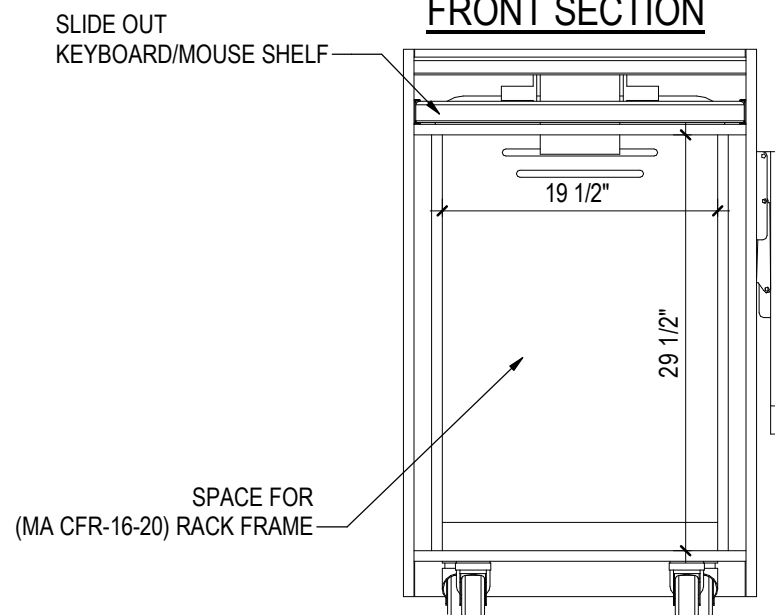
ISOMETRIC SECTION



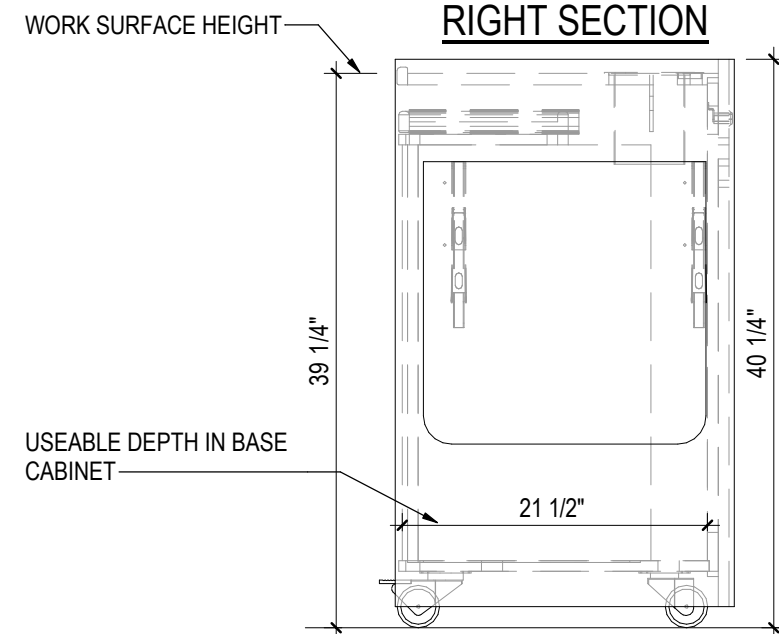
BACK SECTION



FRONT SECTION



RIGHT SECTION



COMPACT TEACHING STATION

Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

Title

COMPACT TEACHING
STATION

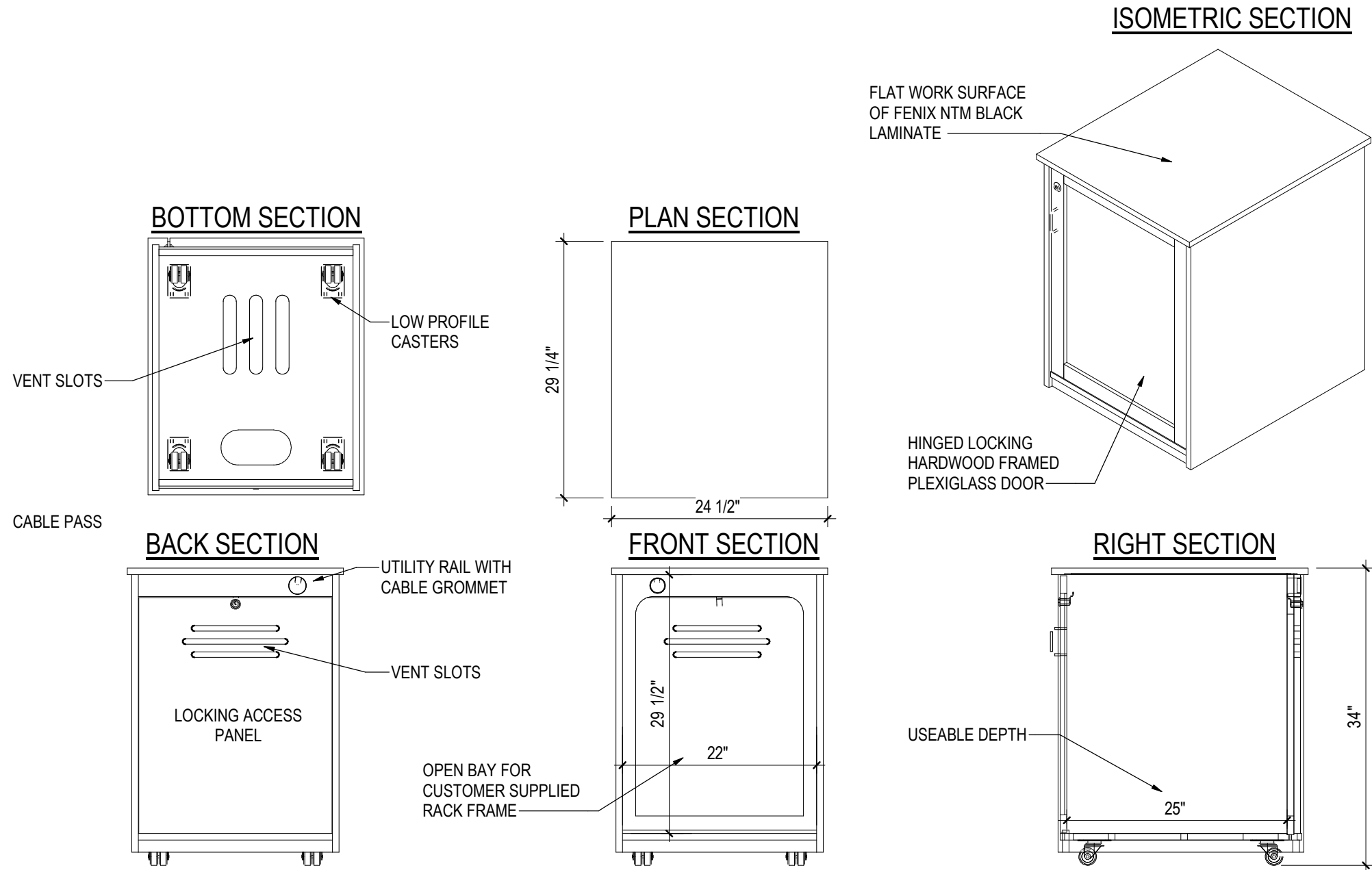
Detail Number

T067

Revision No.
1.0

Date
07/31/2020

7/31/2020 4:27:10 PM <Pick location in Project Information>



CREDENZA WITH RACK
Not to Scale

Yale

Notes

Client/Project

YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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1.0

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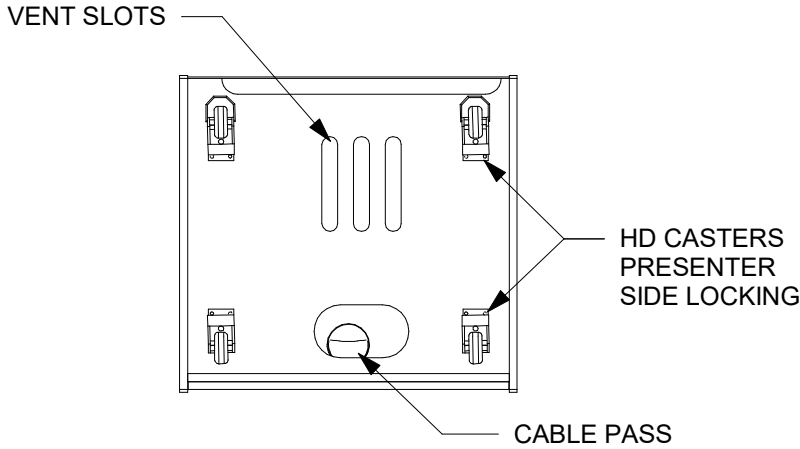
Title

CREDENZA WITH RACK

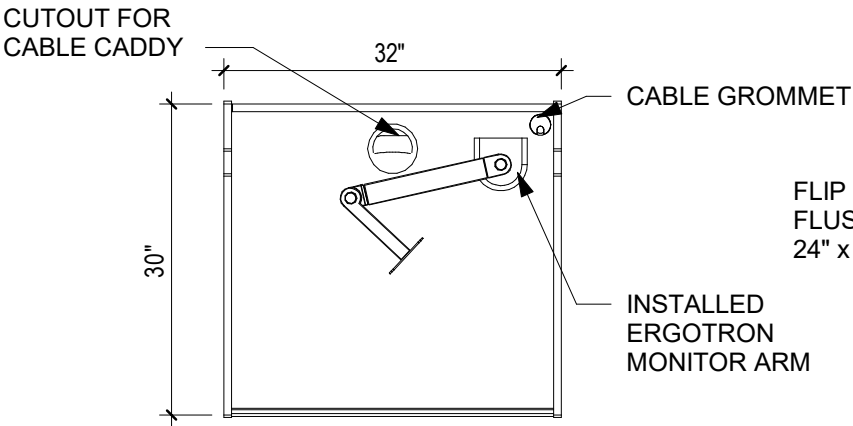
Detail Number

T068

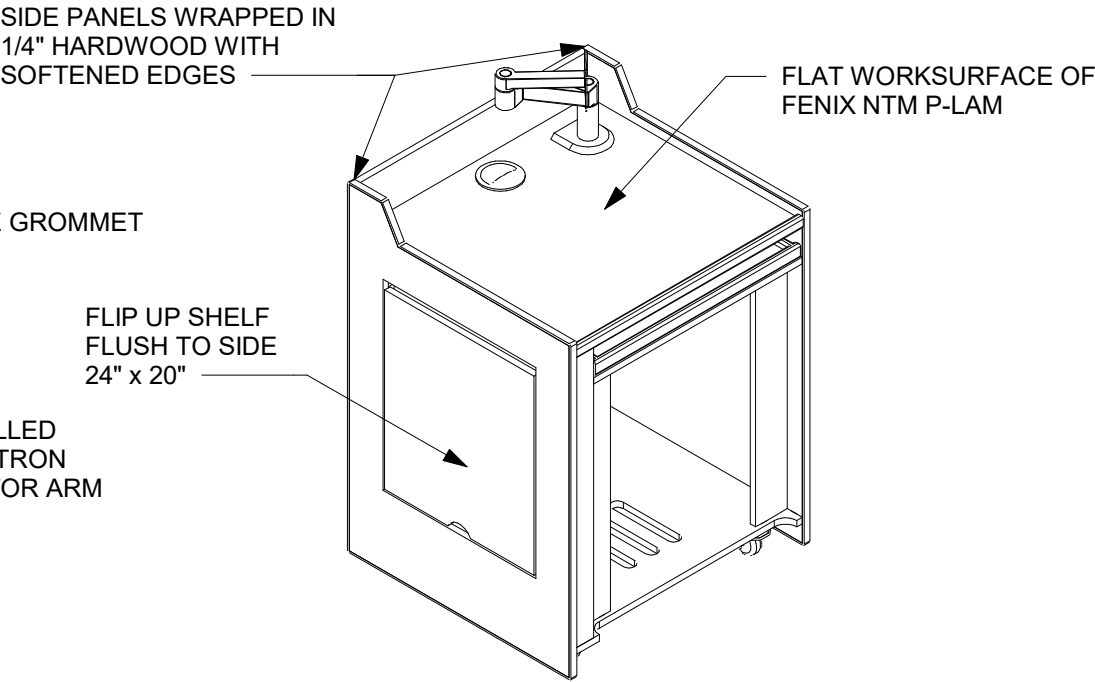
BOTTOM VIEW



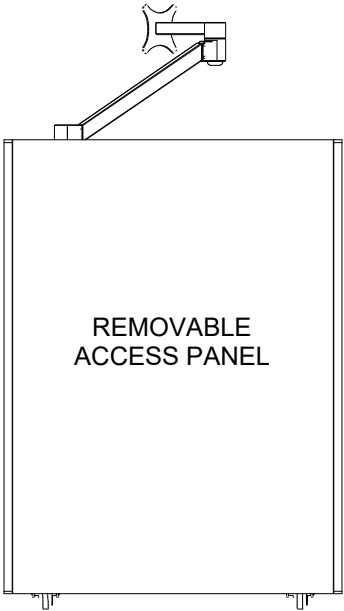
PLAN VIEW



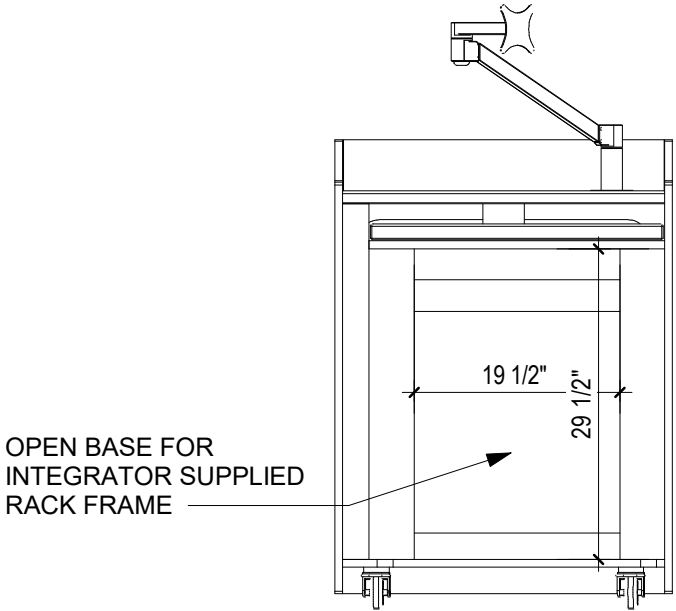
ISOMETRIC VIEW



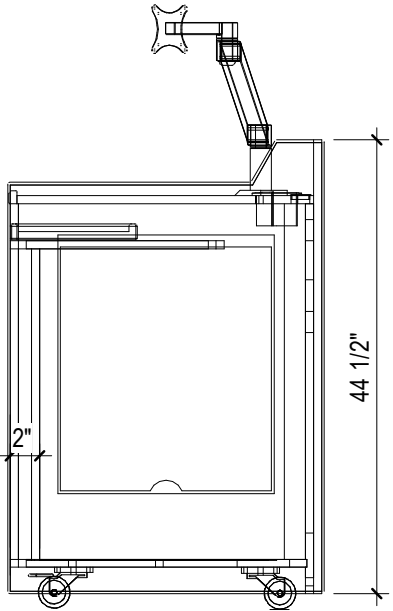
BACK VIEW



FRONT VIEW



RIGHT VIEW



FULL SIZED TEACHING STATION
Not to Scale

<Pick location in Project Information>

7/31/2020 4:27:10 PM

Yale

Notes

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YALE UNIVERSITY

ITS INFRASTRUCTURE CONSTRUCTION STANDARDS

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1.0

Date
07/31/2020

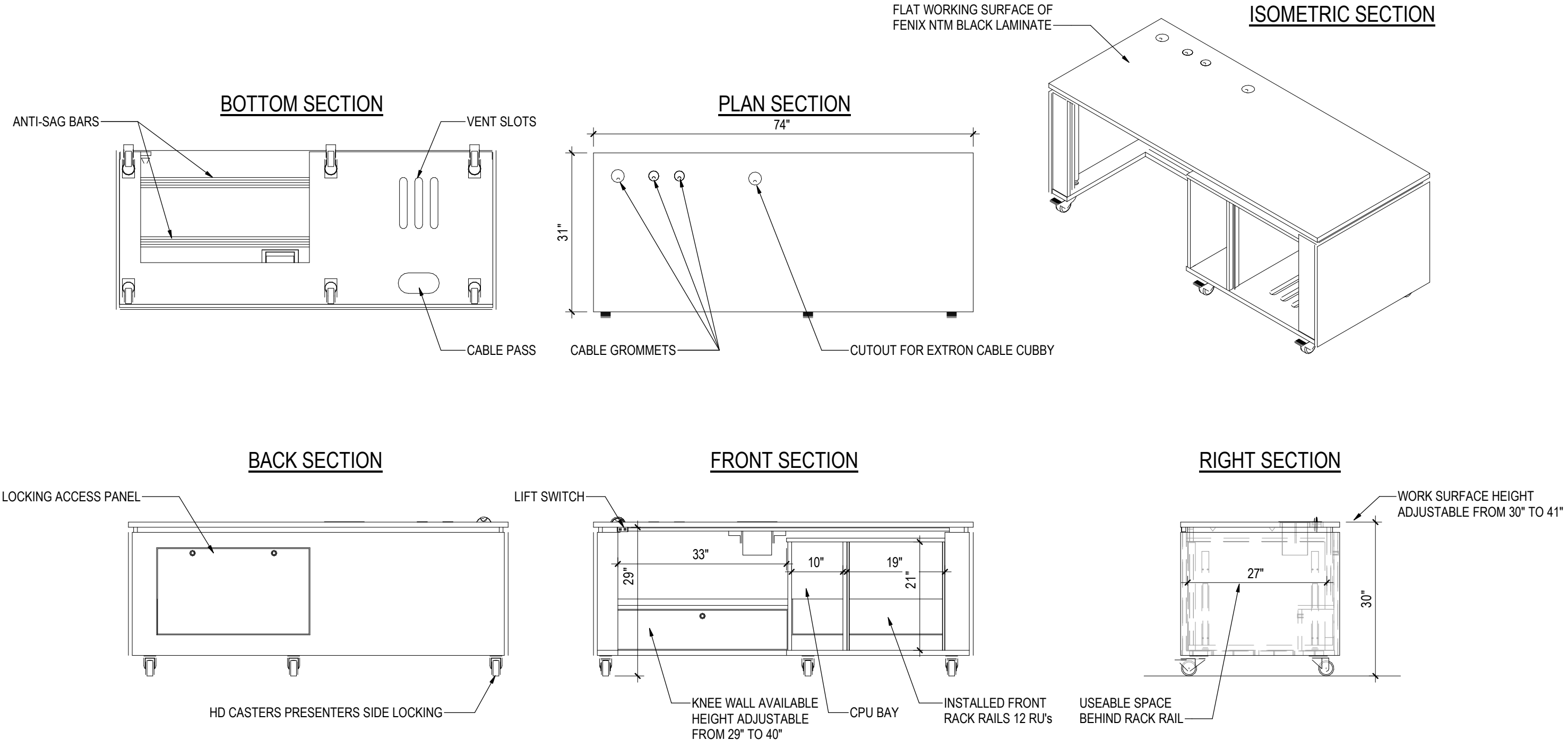
Title

FULL SIZE TEACHING
STATION

Detail Number

T069

7/31/2020 4:27:10 PM <Pick location in Project Information>



HEIGHT ADJUSTABLE SEATED TEACHING STATION

Not to Scale

<div data-bbox="180 1713 609 1915" data-label="Image"></div>	<div data-bbox="677 1703 721 1719" data-label="Text"><p>Notes</p></div>	<div data-bbox="1867 1703 1967 1719" data-label="Text"><p>Client/Project</p></div> <div data-bbox="1889 1723 2122 1753" data-label="Text"><p>YALE UNIVERSITY</p></div> <div data-bbox="1889 1796 2582 1826" data-label="Text"><p>ITS INFRASTRUCTURE CONSTRUCTION STANDARDS</p></div> <div data-bbox="2234 1915 2321 1961" data-label="Text"><p>Revision No. 1.0</p></div> <div data-bbox="2467 1915 2610 1961" data-label="Text"><p>Date 07/31/2020</p></div>	<div data-bbox="2657 1703 2688 1719" data-label="Text"><p>Title</p></div> <div data-bbox="2675 1723 2961 1794" data-label="Text"><p>HEIGHT ADJUSTABLE TABLE</p></div> <div data-bbox="2657 1876 2759 1893" data-label="Text"><p>Detail Number</p></div> <div data-bbox="2759 1909 2822 1939" data-label="Text"><p>T070</p></div>
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