DETAIL INDEX	
DETAIL	SHEET
T-MH - MOUNTING HEIGHT DETAIL	T 601
TC-CRAD - CABLE RUNWAY ACCESSORY DETAIL	T 601
TE-CR - TYPICAL DEVICE ROUGH-IN AND CABLE PATHWAY DETAIL	T 602
TE-GS - TYPICAL GROUNDING AND BONDING SYSTEM DETAIL	T 603
TE-SEDB - SAND ENCASED DUCTBANK DETAILS	T 603
TE-SHH - SMALL TELECOM HANDHOLE DETAIL	T 601
TS-ACSP - ACCESS CONTROL SYSTEM PANEL DETAIL	T 601
TS-DD - DOOR DETAILS	T 601
TS-DPS - DOOR POSITION SWITCH DETAIL (TYPICAL)	T 601
TS-SD - SECURITY ROUGH-IN DETAILS	T 602

	SECURITY			AUDIOVISUAL			COMMON WORK / ELECTRICAL	
MBOL	SUBSCRIPT DESCRIPTION	DETAILS	SYMBOL	SUBSCRIPT DESCRIPTION	DETAILS	SYMBOL	SUBSCRIPT DESCRIPTION	DETAILS
SE	SECURITY EQUIPMENT LOCATION	TO 4 00D	AE	AUDIOVISUAL EQUIPMENT LOCATION	T0.050150	∑><⊂ WxH	STRUCTURAL BLOCKOUT (WIDTH x HEIGHT)	
	ACS ACCESS CONTROL SYSTEM IDS INTRUSION DETECTION SYSTEM	TS-ACSP TS-ACSP		SHARED RACK SPACE (TYP TR)	TC SERIES	- FSD-	CABLE PATHWAY FIRESTOPPING DEVICE	TE-WFS
	VSS VIDEO SURVEILLANCE SYSTEM			LOUDSPEAKER STANDARD (WALL)	TA-IFB	· · ·		
s W	WORKSTATION LOCATION ACS ACCESS CONTROL SYSTEM			A TYPE A B TYPE B		 FPA	FIRE-RATED FLOOR PENETRATION ASSEMBLY	TE-FFS
	VSS VIDEO SURVEILLANCE SYSTEM			C TYPE C		<u></u>	GROUND	
S⊣	FIXED CAMERA		A	LOUDSPEAKER (CEILING)			CONDUIT WITH BUSHING	
	(NO SUBSCRIPT) 180 180 DEGREE LENS	TS-CD TS-CD		STANDARD ACT (REPLACEMENT OR CUT-IN)	TA-CSD	│ — →	CONDUIT WITH CAP	
	360 360 DEGREE LENS PAR PARAPET	TS-CD TS-CD		N NON-ACCESSIBLE CEILING P PENDANT	TA-CSD TA-CSD	o	CONDUIT UP	
		10-00	<u> </u>	VIDEO DISPLAY		-	CONDUIT DOWN	
S	FIXED CAMERA (CEILING) (NO SUBSCRIPT)	TS-CD	<u> </u>	STANDARD (WALL)			CONDUIT / CABLE HOME RUN	
	180 180 DEGREE LENS 360 360 DEGREE LENS	TS-CD TS-CD		DS DIGITAL SIGNAGE VW VIDEO WALL				
S⊣	PAN - TILT - ZOOM CAMERA			VIDEO DISPLAY (CEILING)		SR	SURFACE RACEWAY	
	(NO SUBSCRIPT) PAR PARAPET	TS-CD TS-CD		PLENUM ACT CEILING A ACT CEILING	TA-DMD TA-DMD		CONDUIT UNDERGROUND / FLOOR / SLAB	
		15-CD	4	DS DIGITAL SIGNAGE		-OSP· — — —	OSP UNDERGROUND DUCTBANK	
S	PAN - TILT - ZOOM CAMERA (CEILING) (NO SUBSCRIPT)	TS-CD		E EXPOSED N NON-ACCESSIBLE CEILING	TA-DMD TA-DMD	P	PULL BOX	
	ACCESS CONTROL SYSTEM DOOR (X INDICATES DOOR			PROJECTION SCREEN		U	UTILITY POLE	
Χ	C CONTROLLED CW CONTROLLED WIRELESS	TS-DD		STANDARD (WALL)	TA-WMS	-cs	CABLE SUPPORT PATHWAY (NO SUBSCRIPT)	TE-CR
	M MONITORED	TS-DPS		PROJECTION SCREEN (CEILING)	TA 000		J J-HOOKS	IE-UK
	R REMOTELY CONTROLLED	TS-DD	4	RECESSED C SUSPENDED	TA-CRS TA-CSS	-CT-DxW	,	
ФН	PERSONNEL VERIFICATION DEVICE (NO SUBSCRIPT)	TS-SD	P	CONTROL PANEL		1	(NO SUBSCRIPT)	TE-BJ, TE-CT TE-CTUB, TE-C
	KP KEYPAD L LONG RANGE	TS-SD		STANDARD (BACKBOX) A TYPE A	TA-IFCP TA-IFCP	[0]:0::::::::::::::::::::::::::::::::::	GROUNDING BUSBAR	
	M MULLION			T TABLE TOP / TOUCH PANEL			TGB GROUND BUS	
$\overline{\ominus}$	PERSONNEL VERIFICATION DEVICE (HARDWARE INTEGI	RATED)	€\$	ROOM SCHEDULER			TMBG MAIN GROUND BUS	
	(NO SUBSCRIPT)			(NO SUBSCRIPT)	TA-IFRS	abla	DEVICE BOX EMPTY (NO SUBSCRIPT)	TE-CR
\square H	INTRUSION DETECTION DEVICE GB GLASS BREAK	TS-SD	(F)	INTERFACE PLATE STANDARD (WALL)	TA-IFW		AV AUDIOVISUAL	TE-CR, TA-DETAILS
	KP KEYPAD	TS-SD		B TYPE B	17(11 44		FF FURNITURE FEED S SECURITY	TE-CR TS-SD
	M MOTION	TS-SD	4	F STANDARD, FLOOR	TA-FIF		SEP SITE EMERGENCY PHONE	TE-CR
igoplus	INTRUSION DETECTION DEVICE (CEILING) GB GLASS BREAK	TS-SD		T TABLE TOP / FURNITURE	TA-TIF	\bigcirc	DEVICE BOX EMPTY (CEILING)	
	M MOTION	TS-SD	<u> </u>	PROJECTOR SHORT THROW (INTERACTIVE)	TA-WPD		(NO SUBSCRIPT) AV AUDIOVISUAL	TE-CR TE-CR,
S	SECURITY DEVICE		1 +	A SHORT THROW (PRESENTATION)	17. WI D		S SECURITY	TA-DETAILS TS-SD
	CA INTERCOM - CALL AUDIO CV INTERCOM - CALL VIDEO	TS-SD TS-SD		B TYPE B			FLOOR BOX	
	D DURESS BUTTON L LOCKDOWN BUTTON			PROJECTOR (CEILING) PLENUM ACT CEILING	TA-PMD		(NO SUBSCRIPT)	TE-FD
	S STROBE			A ACT CEILING E EXPOSED	TA-PMD TA-PMD		FB4 4-GANG FB6 6-GANG	TE-FD TE-FD
6	SECURITY CEILING DEVICE			N NON-ACCESSIBLE CEILING	TA-PMD		FB8 8-GANG FB10 10-GANG	TE-FD TE-FD
	MC MICROPHONE S STROBE			PROJECTOR LIFT			FBF FURNITURE FEED	TE-FD
S	SECURITY FIELD LOCATED DEVICE			CEILING MOUNTED	TA-PL		POKE THRU	
ŭ	D DURESS BUTTON DR DOOR RELEASE		▶ A	FIXED CAMERA (CEILING) (NO SUBSCRIPT)			PT6 6-INCH PT8 8-INCH	TE-FD TE-FD
	MA INTERCOM - MASTER AUDIO			A TYPE A			PTF FURNITURE FEED	TE-FD
			() AH	PAN - TILT - ZOOM CAMERA	TA IED	E	ENCLOSURE AUDIOVISUAL CEILING BOX	TA-PE
MBOL	COMMUNICATIONS SUBSCRIPT DESCRIPTION	DETAILS	1	(NO SUBSCRIPT) A TYPE A	TA-IFB TA-IFB		S SECURITY CEILING ENCLOSURE	TS-SD
		DETAILS	()_A	PAN - TILT - ZOOM CAMERA (CEILING)		\$	WALL BOX	
IE)	COMMUNICATIONS EQUIPMENT LOCATION (NO SUBSCRIPT)			(NO SUBSCRIPT) A TYPE A			VIDEO DISPLAY	TA-DWB
▼	TELECOM OUTLET		1				EQUIPMENT RACK AUDIOVISUAL (FLOOR)	TA-IFER
	(NO SUBSCRIPT) AC ABOVE COUNTER	TE-CR TE-CR		LECTERN (NO SUBSCRIPT)			W AUDIOVISUAL (WALL)	TA-IFWR
	AC ABOVE COUNTER AV AUDIOVISUAL	TE-CR,	A	AUDIOVISUAL DEVICE			HAND HOLE / PULL BOX	
	DS DIGITAL SIGNAGE	TA-DETAILS TE-CR,	_	ALS ASSISTIVE LISTENING AP WIRELESS ACCESS POINT			(NO SUBSCRIPT)	TE-PB
	E EMERGENCY INFORMATION BOARD	TA-DETAILS TE-CR		TRANSCEIVER S SCREEN SWITCH			MAINTENANCE HOLE (NO SUBSCRIPT)	TE-MH, TE-MH
	ELEC ELECTRICAL EQUIPMENT ELV ELEVATOR EQUIPMENT	TE-CR TE-CR		VC VOLUME CONTROL			, , , , , , , , , , , , , , , , , , , ,	
	EP EMERGENCY BLUE PHONE F FURNITURE MOUNTED	TE-CR		WM WIRELESS MIC ANTENNA		4		
	FACP FIRE ALARM CONTROL PANEL	TE-CR	A	AUDIOVISUAL CEILING DEVICE ALS ASSISTIVE LISTENING				
	K KIOSK LCP LIGHTING CONTROL PANEL	TE-CR TE-CR		AP WIRELESS ACCESS POINT TRANSCEIVER				
	MECH MECHANICAL/HVAC EQUIPMENT POS POINT OF SALE	TE-CR TE-CR		M MICROPHONE PS PARTITION SENSOR				
	S SECURITY CAMERA SR SURFACE RACEWAY	TS-CD		WM WIRELESS MIC ANTENNA				
	TW TWO WAY COMMUNICATION BASE STATION	TE-CR	A	AUDIOVISUAL FIELD LOCATED DEVICE		1		
	VND VENDING MACHINE	TE-CR		DM DUAL-ELEMENT BOUNDARY MICROPHONE				
	W WALL TELEPHONE WAP WIRELESS ACCESS POINT	TE-CR TE-CR		M MICROPHONE TM TRI-ELEMENT BOUNDARY MICROPHONE				
$\overline{\mathbf{y}}$	TELECOM OUTLET (CEILING)		1	WC WEB CAM				
\checkmark	(NO SUBSCRIPT)	TE-CR				1		
	AV AUDIOVISUAL	TE-CR, TA-DETAILS						
	DS DIGITAL SIGNAGE	TE-CR, TA-DETAILS						
	E EMERGENCY INFORMATION BOARD S SECURITY CAMERA	TE-CR TS-CD						
	WAP WIRELESS ACCESS POINT	TE-CR	1					
	COMMUNICATIONS DEVICE							
0	(1) (1) (1) (1) (1)					1		
	(NO SUBSCRIPT)		-					
0 0	(NO SUBSCRIPT) COMMUNICATIONS CEILING DEVICE (NO SUBSCRIPT)							
	COMMUNICATIONS CEILING DEVICE		_					

3. MULTIPLE SUBSCRIPTS ADJACENT A SYMBOL SIGNIFY MULTIPLE DEVICE TYPES OR MULTIPLE INSTALLATION REQUIREMENTS FOR ONE OR MORE DEVICES. MULTIPLE SUBSCRIPTS REPRESENTING DIFFERENT DEVICE TYPES ADJACENT A SYMBOL IS

ELEVATIONS. THE FIRST SUBSCRIPTS (STARTING FROM THE LEFT OR TOP) IS ASSOCIATED WITH THE DEVICE AT THE HIGHEST

EQUIVALENT TO MULTIPLE DEVICES LOCATED AT THE SAME OR APPROXIMATE PLAN LOCATION, BUT AT DIFFERENT

ELEVATION, THE SECOND SUBSCRIPT IS ASSOCIATED WITH THE DEVICE AT THE NEXT HIGHEST ELEVATION, ETC.

. NOT ALL ITEMS LISTED IN THIS LEGEND ARE USED ON TECHNOLOGY DRAWINGS.

SYMBOL SUBSCRIPT INFORMATION.

SUBSCRIPTS ADJACENT SYMBOLS ELSEWHERE ON DRAWINGS INDICATE ADDITIONAL INFORMATION REGARDING APPLICATION OF

DEVICE OR EQUIPMENT. REFER TO ABBREVIATIONS, DRAWING ANNOTATIONS, SCHEDULES, AND SPECIFICATIONS FOR ADDITIONAL

		SHEET LIST
	SHEET#	TITLE
AILS	T 001	COMMUNICATIONS TITLE SHEET
	T 002	COMMUNICATIONS PROJECT NOTES
	T 003	COMMUNICATIONS PROJECT NOTES
WFS	T 004	COMMUNICATIONS SCHEDULES
-0015	T 005	COMMUNICATIONS SCHEDULES
-FFS	T 051	COMMUNICATIONS SITE PLAN
	T 111	COMMUNICATIONS FLOOR PLANS
	T 401	ENLARGED TELECOM ROOM
	T 501	COMMUNICATIONS ONE-LINE DIAGRAMS
	T 502	COMMUNICATIONS BACKBONE PATHWAY DIAGRAM
	T 601	COMMUNICATIONS DETAILS
	T 602	COMMUNICATIONS DETAILS
	T 603	COMMUNICATIONS DETAILS

CVMDOL	DRAWING ANNOTATIONS
SYMBOL	DESCRIPTION
XX## OR ⟨# >	KEYNOTE
# >	DRAWING NOTE
(XX###) OR(XX###)	EQUIPMENT SCHEDULE ID
<u>_</u> #\	REVISION NUMBER
#	DETAIL CALLOUT * REFERENCE INDICATOR; ASTERISK IS INCLUSIVE OF ALL DETAILS ON REFERENCED SHEET # REFERENCE SHEET NUMBER
D # B	ELEVATION CALLOUT A,B,C,D WALL ELEVATION REFERENCE # REFERENCE SHEET NUMBER
	BREAK LINE
\sim	CONTINUANCE LINE
XY	DETAIL FURNISH / INSTALL CALLOUT (ON DETAILS WHERE CALLOUTS ARE USED, ASSUME EC FOR X AND Y WHERE NOT INDICATED FOR COMPONENTS) UON IN TECHNOLOGY RESPONSIBILITY MATRIX)
	X INDICATES ENTITY (ABBREVIATED) BCER RECOMMENDS BE RESPONSIBLE FOR FURNISHING
	Y INDICATES ENTITY (ABBREVIATED) BCER RECOMMENDS BE RESPONSIBLE FOR INSTALLING
	TELECOM AREA BOUNDARY LINE
	TELECOM ROOM BOUNDARY LINE
[]	FUTURE EQUIPMENT, RACK, OR ENCLOSURE OUTLINE
SYMBOL	TYPICAL WALL MOUNTED DEVICE NOTATION. EXAMPLE:
	A CEILING-MOUNTED SPEAKER
	WALL-MOUNTED SPEAKER
SYMBOL-O	TYPICAL POLE OR BOOM MOUNTED DEVICE NOTATION. EXAMPLE:
	■ SH WALL-MOUNTED SECURITY CAMERA ■ SI-O POLE-MOUNTED SECURITY CAMERA
▲ +H	TYPICAL DEVICE OR EQUIPMENT NON-STANDARD HEIGHT (TELECOM OUTLET EXAMPLE SHOWN)
	H INDICATES DIMENSION OF DEVICE OR EQUIPMENT CENTERLINE (UON) ABOVE FINISHED FLOOR
XY	TYPICAL STATION CALLOUT X INDICATES NUMBER OF VOICE/DATA PORTS/CABLES, UNLESS FOLLOWED BY AN "F", THEN IT INDICATES NUMBER OF STRANDS
	Y INDICATES NUMBER OF COAX PORTS/CABLES (ASSUME 0 IF BLANK)
	F WHEN INCLUDED IN THE STATION CALLOUT, INDICATES TO PROVIDE FIBER OPTIC CABLING
2	TYPICAL ASSEMBLY NOTATION, INCLUDES:
	- INFRASTRUCTURE: FLOOR BOX, POKE-THRU, WALL BOX, SURFACE RACEWAY, ENCLOSURE, HOUSING, RACK, ETC.
	- SERVICES: DEVICES AND/OR CABLING AS SHOWN ASSOCIATED WITH INFRASTRUCTURE.
	(FLOORBOX WITH INTERFACE PLATE AND TELECOM OUTLET EXAMPLE SHOWN).
	SYMBOL/DEVICE CONGESTION NOTATION INCLUDES:
2	LEADER INDICATOR: USED TO IDENTIFY INTENDED LOCATION OF SYMBOL(S) THAT WOULD OTHERWISE OVERLAP OR CREATE CONGESTION WITH OTHER SYMBOLOGY.
WALL	
	ONGESTION INDICATOR: USED TO IDENTIFY ARRANGEMENT OF CONGESTED DEVICES.
	X INDICATES CONGESTION TYPE: H HORIZONTAL V VERTICAL (ALONG SAME STUD OR STUD CAVITY) B BOTH HORIZONTAL AND VERTICAL



<u>Owner</u> City of Greeley 1000 10th Street Colorado 80631 970.350.9777

Architect/ Civil Engineer/ Structural Short Elliott Hendrickson, Inc. 2000 South Colorado Boulevard Tower One, Suite 6000 Denver, Colorado 80222 720.540.6800 Landscape Architect DHM Design 900 South Broadway Denver, Colorado 80209

303.892.5566

Mechanical Engineer The Ballard Group, Inc 2525 South Wadsworth Blvd, Suite 200 Lakewood, CO 80227 303.988.4514

Electrical Engineer CMO Consulting Eng 11646 Sun Bear Trail Golden, CO 80403 303.875.4037



STATION

GRI This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. herein shall not be used, reproduced, revised, or retained without the express written approval of SEH. Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

> 55519038 BCER

10/18/2019

BCER

Checked By Drawn By

100% DESIGN

ADDENDUM 02 10/18/2019

COMMUNICATIONS TITLE SHEET

	GENERA	L NOTES	
GENERAL	GENERAL CONT.	COMMON WORK / ELECTRICAL	COMMON WORK / ELECTRICAL CONT.
A THESE GENERAL NOTES INDICATE THE GENERAL REQUIREMENTS FOR THE WINDICATED ON THE DRAWINGS. THE NOTES LISTED HERE SHALL BE APPLIED AND CONSIDERED PART OF THE WORK REQUIREMENTS FOR EACH INDIVIDUAD DRAWING SHEET, AS APPLICABLE. B THE GENERAL NOTES SHALL GOVERN UNLESS OTHERWISE NOTED ON DRAWING SHEET.	SYSTEM PANEL (TEMPERATURE CONTROL PANEL). A MINIMUM OF 4 VOICE/DATA PORTS AND CABLES SHALL BE ASSUMED AT EACH PANEL. COORDINATE WITH MECHANICAL DRAWINGS, MECHANICAL CONTRACTOR, AND TEMPERATURE CONTROLS CONTRACTOR FOR PANEL QUANTITIES AND LOCATIONS, AND FOR FINAL PORT/CABLE QUANTITY REQUIREMENTS. ROUTE CABLES TO DESIGNATED	A THESE COMMON WORK / ELECTRICAL NOTES INDICATE GENERAL REQUIREMENTS FOR WORK INDICATED ON THE DRAWINGS. THE NOTES LISTED HERE SHALL BE APPLIED TO AND CONSIDERED PART OF THE WORK REQUIREMENTS FOR EACH INDIVIDUAL DRAWING SHEET, AS APPLICABLE. B EVERY CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE GENERAL NOTES - GENERAL SECTION FOR PROJECT NOTES THAT APPLY TO MORE THAN ONE TRADE	TELECOMMUNICATIONS BONDING AND GROUNDING PLANNING AND INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH NECA/BICSI 607-2011, STANDARD FOR BONDING AND GROUNDING PLANNING AND INSTALLATION METHODS FOR COMMERCIAL BUILDINGS, ANSI/TIA-607 GROUNDING AND BONDING STANDARD, NEC, AND SPECIFICATIONS. REFER TO THE GROUNDING RISER DIAGRAM IN THE ELECTRICAL CONSTRUCTION DOCUMENTS (E SERIES) FOR ADDITIONAL INFORMATION.
C EXAMINE THE CONTRACT DOCUMENTS IN THEIR ENTIRETY, INCLUDING BUT N LIMITED TO GENERAL AND SUPPLEMENTAL REQUIREMENTS, DRAWINGS AND SPECIFICATIONS OF OTHER DIVISIONS, AND ADDENDA, FOR EQUIPMENT OR W WHICH MAY AFFECT WORK UNDER THIS SECTION, REGARDLESS OF WHETHE SUCH REQUIREMENTS OR WORK ARE SPECIFICALLY INDICATED IN THIS SECT	PURPOSES OF OWNER PROVIDED NETWORK INTERFACES. ON. Z WAP LOCATION SHOWN IS APPROXIMATE. FINAL LOCATION TO BE DETERMINED	AS WELL AS ALL OTHER NOTES PROVIDED FOR OTHER TRADES FOR FULL COORDINATION BETWEEN ALL TRADES. C THIS PROJECT SHALL BE ACTIVELY MANAGED BY THE CONTRACTOR'S PROJECT MANAGER WHICH SHALL NOT ALSO BE THE CONTRACTOR'S FOREMAN OR BE INVOLVED IN TECHNICAL WORK IN THE FIELD. DOWNTIME, DELAYS OR NON-SCHEDULED OUTAGES DUE TO THE CONTRACTOR'S FAILURE TO ACTIVELY	INFORMATION. SOME DUPLICATE INFORMATION INCLUDING, BUT NOT LIMITED TO BUSBARS AND GROUNDING AND BONDING CABLING IS ILLUSTRATED ON BOTH SETS OF CONSTRUCTION DOCUMENTS FOR CLARIFICATION. IT IS THE INTENT THAT THE CONTRACTOR PROVIDE ONE COMPLETE GROUNDING AND BONDING SYSTEM FOR THE TECHNOLOGY SCOPE OF WORK MEETING THE ABOVE REFERENCED STANDARDS AND CODES.
D WORK SHALL COMPLY WITH THE GOVERNING REQUIREMENTS LISTED IN THE SPECIFICATIONS.	BY WIRELESS NETWORK VENDOR AFTER RADIO FREQUENCY MODELING. INSTALL ENCLOSURE, OUTLET AND PROVIDE 25-FEET CABLE SLACK AT FINAL LOCATION AS DETERMINED BY VENDOR.	MANAGE THE WORK, INCLUDING BUT NOT LIMITED TO EFFECTIVELY PLANNING, SEQUENCING, SCHEDULING, AND EXECUTING THE WORK WILL NOT BE ACCEPTABLE AT ANY TIME.	AA THE ELECTRICAL CONTRACTOR SHALL PROVIDE PATHWAY FOR CABLING WHERE ACCESSIBLE CEILING SPACES DO NOT PROVIDE A COMPLETE PATHWAY TO POINT
E IF DISCREPANCIES OR CONFLICTS ARE DISCOVERED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING A WAIT FOR INSTRUCTION PRIOR TO PROCEEDING WITH WORK RELATED TO DISCREPANCIES OR CONFLICTS. F SUBSTITUTIONS OF PRODUCT AND DEVIATIONS FROM METHODS OF CONSTRUCTION SPECIFIED SHALL BE CONSIDERED AT SUBMITTAL REVIEW. SUBSTITUTIONS USED FOR BID SHALL BE AT THE SOLE RISK OF CONTRACTOR AND AS SUCH ARE SUBJECT TO REJECTION WITHOUT CONSIDERATION.	FLOOR BOXES SHALL BE UTILIZED FOR SLAB ON GRADE APPLICATIONS, AND POKE-THROUGHS SHALL BE UTILIZED ELSEWHERE. FLOOR BOXES AND POKE-THROUGHS HAVE SPECIFIC REQUIREMENTS PER APPLICATION AND ARE SPECIFIED ELSEWHERE. REFER TO DIVISION 26 DOCUMENTS FOR APPLICATIONS INCLUDING POWER SERVICE. NOTIFY ENGINEER OF CONFLICTS IN SPECIFICATION	D CONDUIT BENDS (OTHER THAN BENDS IN OSP CONDUIT DUCTBANKS) SHALL BE SWEEPING, BE NO MORE THAN 90 DEGREES, BE A MINIMUM OF 6 TIMES THE INTERNAL DIAMETER OF 2-INCHES OR SMALLER CONDUITS, BE A MINIMUM OF 10 TIMES THE INTERNAL DIAMETER OF CONDUITS LARGER THAN 2-INCHES, AND CONFORM TO TIA-569 BEND RADIUS REQUIREMENTS. FOR CONDUITS LARGER THAN 1-1/4 INCH, BENDS SHALL BE FACTORY-MANUFACTURED. 90 DEGREE CONDULET (LB) FITTINGS ARE NOT PERMITTED.	OF CABLE TERMINATION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO HARD CEILING AREAS, EXPOSED CEILING AREAS AND SPECIALTY AREAS REQUIRING ENCLOSED PATHWAY. COORDINATE PATHWAY REQUIREMENTS WITH ALL OTHER TRADES, ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. THERE SHALL BE NO EXPOSED CABLING.
			AUDIOVISUAL
G RECORD DRAWINGS SHALL BE MAINTAINED ON SITE PER SPECIFICATIONS SHOWING ADDITIONS, CHANGES, DELETIONS THROUGHOUT CONSTRUCTION. H PROVIDE SEISMIC BRACING AS REQUIRED BY THE GOVERNING REQUIREMEN		THE TOTAL OF CONDUIT BENDS FOR A CONDUIT SEGMENT BETWEEN END POINTS/PULL BOXES SHALL NOT EXCEED 180 DEGREES, EXCEPT ONE ADDITIONAL BEND OF UP TO 90 DEGREES IS ACCEPTABLE IF THE BEND IS LOCATED WITHIN 12 INCHES OF THE CABLE FEED END.	A THESE AUDIOVISUAL NOTES INDICATE GENERAL REQUIREMENTS FOR WORK INDICATED ON THE DRAWINGS. THE NOTES LISTED HERE SHALL BE APPLIED TO AND CONSIDERED PART OF THE WORK REQUIREMENTS FOR EACH INDIVIDUAL DRAWING SHEET, AS APPLICABLE.
DRAWING ELEMENTS SHOWN IN GRAY ARE EXISTING TO REMAIN. WHERE SU ELEMENTS AFFECT THE CONTRACTORS WORK, COORDINATE DEPENDENCIES	HORIZONTAL DISTANCE OF 24 INCHES.	F THE USE OF FLEXIBLE CONDUIT IS PERMITTED ONLY WHERE INDICATED ON DRAWINGS OR OTHERWISE REQUESTED BY CONTRACTOR AND ACCEPTED BY ENGINEER IN WRITING. IF FLEXIBLE CONDUIT IS PERMITTED, IT SHALL BE ONE TRADE SIZE LARGER THAN THE REQUIRED NON FLEXIBLE CONDUIT (EX. 1 1/4 EMT	B REVIEW ALL NOTES FOR ALL TRADES TO ASSURE FULL COORDINATION BETWEEN ALL TRADES. C WALL BOXES PROVIDE INTERFACE FOR POWER, COMMUNICATIONS AND/OR AUDIO
WITH APPLICABLE OTHERS IN A TIMELY MANNER, BEFORE SUCH DEPENDENC ARISE IN THE FIELD. ALL DEVICES AND EQUIPMENT SHOWN ON THE DEMOLIT DRAWINGS IN BLACK ARE SCHEDULED TO BE REMOVED. REVIEW ALL DEMOLITION. NOTES, DRAWING NOTES, AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION.	ON TION INFORMATION REGARDING BOX, PATHWAY, STRUCTURAL SUPPORT, MOUNTING,	TO 1 1/2 FLEXIBLE). G CONDUITS FOR HORIZONTAL OR SYSTEMS CABLE OVER 3 FEET LONG SHALL HAVE	VISUAL CABLING WITHIN WALLS. WALL BOXES HAVE SPECIFIC REQUIREMENTS PER APPLICATION AND ARE SPECIFIED ELSEWHERE.
REQUIREMENTS. EXISTING DEVICES NOT SHOWN ON THE DEMOLITION DRAW SHALL REMAIN UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.	NGS AE REFER TO THE MOUNTING HEIGHT DETAIL FOR TYPICAL DEVICE HEIGHT REQUIREMENTS. FOR NON-TYPICAL DEVICE LOCATIONS REFER TO ARCHITECTURAL DRAWINGS, DETAILS AND/OR SPECIFICATIONS FOR DEVICE BOX MOUNTING HEIGHTS. MOUNT EQUIPMENT AND DEVICES AT ADA COMPLIANT	MINIMUM 200 POUND TEST RATED PULL TAPE WITH PRINTED FOOTAGE INDICATOR SECURED AT CONDUIT ENDS AND EXTENDING A MINIMUM OF 3 FEET BEYOND CONDUIT ENDS. H CONDUIT END(S) SHALL BE PROVIDED WITH INSULATED THROAT BUSHINGS FOR	D COORDINATE WITH AUDIOVISUAL EQUIPMENT SUPPLIER AND SHOP DRAWINGS TO FINALIZE ALL STRUCTURAL SUPPORT REQUIREMENTS AND LOCATIONS FOR DISPLAYS, PROJECTORS AND PROJECTION SCREENS PRIOR TO ROUGH-IN.
J THIS PROJECT SHALL BE ACTIVELY MANAGED BY THE CONTRACTOR'S PROJE MANAGER WHICH SHALL NOT ALSO BE THE CONTRACTOR'S FOREMAN OR BE INVOLVED IN TECHNICAL WORK IN THE FIELD. DOWNTIME, DELAYS OR NON-SCHEDULED OUTAGES DUE TO THE CONTRACTOR'S FAILURE TO ACTIVE MANAGE THE WORK, INCLUDING BUT NOT LIMITED TO EFFECTIVELY PLANNING.	AF CABLE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR WITHIN 4 HOURS OF THE DAMAGING EVENT, AT NO ADDITIONAL COST TO THE OWNER.	METALLIC CONDUIT AND PVC BUSHINGS FOR PVC CONDUIT PRIOR TO CABLE INSTALLATION. I EACH CONDUIT ORIGIN SHALL BE LABELED WITH CONDUIT TERMINATION LOCATION. EACH CONDUIT TERMINATION SHALL BE LABELED WITH CONDUIT	E SPEAKER LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE SPEAKER LOCATIONS WITH OTHER CEILING DEVICES. ENSURE THAT FINAL SPEAKER LOCATIONS MEET THE SOUND REINFORCEMENT INTENT FOR THE TARGET AREA.
SEQUENCING, SCHEDULING, AND EXECUTING THE WORK WILL NOT BE ACCEPTABLE AT ANY TIME.	AG COORDINATE WITH AUDIOVISUAL EQUIPMENT SUPPLIER AND SHOP DRAWINGS TO FINALIZE ALL STRUCTURAL SUPPORT REQUIREMENTS AND LOCATIONS FOR DISPLAYS, PROJECTORS AND PROJECTION SCREENS PRIOR TO ROUGH-IN.	ORIGIN LOCATION. EACH CONDUIT ORIGIN AND TERMINATION SHALL BE LABELED WITH CONDUIT LENGTH BETWEEN ORIGIN AND TERMINATION LOCATION.	F SPEAKERS MOUNTED WITHIN DROP TILE SHALL BE SUPPORTED BY HANGER WIRE AFFIXED TO STRUCTURE.
K WORK REQUIRING UTILITY AND/OR TECHNOLOGY SYSTEM OUTAGES SHALL BI COORDINATED WITH THE OWNER IN ADVANCE AND PRE-APPROVED IN WRITIN	G. AH FOR ACCESS CONTROL SCOPE OF WORK, REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR COORDINATION WITH DOOR IDENTIFIERS/NUMBERS	J COORDINATE ROUTING OF CONDUITS STUBBED OR ROUTED FROM INTERIOR TO EXTERIOR OF BUILDING ABOVE OR BELOW GRADE WITH OWNER PRIOR TO ROUGH-IN. CAP AND SEAL CONDUITS WATERTIGHT/WEATHERPROOF. PROVIDE	A THESE SECURITY NOTES INDICATE GENERAL REQUIREMENTS FOR WORK
L COORDINATION IS REQUIRED PRIOR TO ROUGH-IN. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED FOR BOX, DEVICE AND/OR EQUIPMENT LOCATIONS.	AND DOOR HARDWARE SCHEDULE. AI SPEAKER LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE SPEAKER LOCATIONS WITH OTHER CEILING DEVICES. ENTINE THE FOREIL SPEAKER	FIRE STOPPING AT ORIGIN OR TERMINATION OF SUCH CONDUIT WHEN ORIGIN OR TERMINATION OCCURS AT A FIRE RATED OR EXTERIOR WALL.	INDICATED ON THE DRAWINGS. THE NOTES LISTED HERE SHALL BE APPLIED TO AND CONSIDERED PART OF THE WORK REQUIREMENTS FOR EACH INDIVIDUAL DRAWING SHEET, AS APPLICABLE. B EVERY CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE GENERAL NOTES -
M WHERE COORDINATION DICTATES THAT FINAL LOCATIONS VARY SIGNIFICANTI FROM THAT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND AWAIT APPROVAL PRIOR TO ELECTRICAL ROUGH-IN.		K INTERIOR CONDUITS SHALL BE ROUTED IN THE MOST DIRECT ROUTE POSSIBLE, PARALLEL AND PERPENDICULAR TO BUILDING LINES, CLOSE TO STRUCTURE, CONCEALED WHEN POSSIBLE.	GENERAL SECTION FOR PROJECT NOTES THAT APPLY TO MORE THAN ONE TRADE AS WELL AS ALL OTHER NOTES PROVIDED FOR OTHER TRADES FOR FULL COORDINATION BETWEEN ALL TRADES.
N IDENTIFY AND COORDINATE WITH OTHER TRADES LOCATION AND SIZE OF REQUIRED OPENINGS IN NEW CONCRETE OR MASONRY PRIOR TO THE FORM AND POURING OF CONCRETE OR CONSTRUCTION OF MASONRY. OPENINGS IN NOT BE INDICATED ON DRAWINGS.	EITHER BY WORKNOTE OR SUBSCRIPT ARE PROVIDED FOR USE BY ANY MECHANICAL, ELECTRICAL OR SUPPORT SYSTEMS / EQUIPMENT THAT ENDS UP REQUIRING A NETWORK CONNECTION. THE ELECTRICAL AND TELECOM CONTRACTORS SHALL REFER TO THE CONSTRUCTION DRAWINGS FOR ALL DISCIPLINES AND COORDINATE WITH THE CONTRACTORS FROM THE OTHER	L CONDUITS STUBBED INTO AN ACCESSIBLE CEILING SPACE SHALL TERMINATE A MINIMUM OF 6-INCHES ABOVE ACCESSIBLE SPACE AND SHALL BE ANGLED AT 90 DEGREES AND SHALL TERMINATE WITH ORIENTATION DIRECTED ALONG PATHWAY OF CABLE ROUTING TO INTERMEDIATE OR FINAL DESTINATION.	THIS PROJECT SHALL BE ACTIVELY MANAGED BY THE CONTRACTOR'S PROJECT MANAGER WHICH SHALL NOT ALSO BE THE CONTRACTOR'S FOREMAN OR BE INVOLVED IN TECHNICAL WORK IN THE FIELD. DOWNTIME, DELAYS OR NON-SCHEDULED OUTAGES DUE TO THE CONTRACTOR'S FAILURE TO ACTIVELY MANAGE THE WORK, INCLUDING BUT NOT LIMITED TO EFFECTIVELY PLANNING,
O CONTRACTOR SHALL COORDINATE ALL PENETRATIONS, OPENINGS, FASTENE CONNECTIONS, HANGERS, AND SUPPORTS WITH STRUCTURAL DRAWINGS AN ENGINEER PRIOR TO COMMENCEMENT OF WORK. P PENETRATION OF CONCRETE AND STRUCTURAL ELEMENTS SHALL BE AVOIDED.	WHAT THE REQUIREMENTS ARE FOR CONNECTION TO THE SYSTEMS / EQUIPMENT.	M JUNCTION BOXES SHALL SERVE AS TRANSITION POINT BETWEEN PATHWAYS/RACEWAYS, SHALL BE MINIMUM 4-11/16 INCHES BY 4-11/16 INCHES SQUARE BY 2-1/8 INCHES DEEP. N UNLESS NOTED OTHERWISE, COMMUNICATIONS BACK BOXES SHALL BE MINIMUM	SEQUENCING, SCHEDULING, AND EXECUTING THE WORK WILL NOT BE ACCEPTABLE AT ANY TIME.
WHERE POSSIBLE. OBTAIN WRITTEN APPROVAL FROM STRUCTURAL ENGINEER/ARCHITECT PRIOR TO SUCH NECESSARY PENETRATIONS.	COMMUNICATIONS	4-11/16 INCHES SQUARE BY 2-1/8 INCHES DEEP WITH SINGLE-GANG MUD RING AND (1) 1-INCH CONDUIT, TYPICAL. ADDITIONAL REQUIREMENTS APPLY TO SUPPORT HIGHER COMMUNICATIONS CABLE COUNTS, AND FOR AV DEVICE AND SECURITY	
Q PROVIDE SLEEVES FOR LOCATIONS WHERE CABLE PASSES THROUGH WALLS FLOORS, OR FOUNDATIONS. SLEEVES SHALL BE SIZED TO SUPPORT CABLES NEC FILL RATIOS AND TIA/EIA 569 CABLE CAPACITY STANDARDS PLUS 25 PERCEUTURE EXPANSION.	PER AND CONSIDERED PART OF THE WORK REQUIREMENTS FOR EACH INDIVIDUAL	DEVICE LOCATIONS. REFER TO FLOORPLANS, ENLARGED PLANS, AND DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.	
R PROVIDE CABLE PATHWAY FIRE STOPPING DEVICES FOR LOCATIONS WHERE CABLE WILL PENETRATE FIRE RATED BARRIERS. REVIEW ALL PORTIONS OF ARCHITECTURAL CONSTRUCTION DOCUMENTS INCLUDING, BUT NOT LIMITED	THE WELL NO NEE OF TEXT NO VIDED FOR OTHER TRADES FOR THE	O IN LOCATIONS WHERE COMMUNICATIONS BACK BOXES ARE SHOWN TO HOUSE MORE THAN SIX COMMUNICATIONS CABLES, PROVIDE (2) 1-INCH CONDUITS AND A 2-GANG MUD RING, TYPICAL. P COMMUNICATIONS BACK BOXES, FLOOR BOXES, POKE THRUS, AND OTHER SUCH	
THE LIFE SAFETY PLANS FOR WALL TYPE INFORMATION. PROVIDE CABLE PATHWAY FIRE STOPPING DEVICE(S) IN SUFFICIENT QUANTITY SUCH THAT THE COMBINED USEABLE CROSS SECTIONAL AREA OF THE DEVICE(S) MATCHES OF EXCEEDS THE CROSS SECTIONAL AREA OF CABLE TRAY TO BE SERVED.	MANAGER WHICH SHALL NOT ALSO BE THE CONTRACTOR'S FOREMAN OR BE INVOLVED IN TECHNICAL WORK IN THE FIELD. DOWNTIME, DELAYS OR NON-SCHEDULED OUTAGES DUE TO THE CONTRACTOR'S FAILURE TO ACTIVELY MANAGE THE WORK, INCLUDING BUT NOT LIMITED TO EFFECTIVELY PLANNING, SEQUENCING, SCHEDULING, AND EXECUTING THE WORK WILL NOT BE	COMMUNICATIONS INFRASTRUCTURE ITEMS USED FOR COMMUNICATIONS CABLING AND AV CONNECTIONS SHALL HAVE CONDUITS STUBBED TO NEAREST ACCESSIBLE CEILING LOCATION WITHIN THE ROOM BEING SERVED, TYPICAL. REFER TO DETAIL SHEETS FOR ADDITIONAL SYSTEM SPECIFIC CONDUIT REQUIREMENTS.	
PROVIDE SMOKE AND ACOUSTICAL PATHWAY DEVICES/SLEEVES FOR LOCAT WHERE CABLE WILL PENETRATE THROUGH A NON-FIRE RATED BARRIER THA SMOKE RATED OR WHERE THERE IS AN ACOUSTICAL TRANSMISSION CONCEI SUCH AS IN LOCATIONS WHERE ADJACENT ROOMS HAVE NO CEILINGS. REVIE ALL PORTIONS OF THE ARCHITECTURAL CONSTRUCTION DOCUMENTS INCLUIBUT NOT LIMITED TO THE LIFE SAFETY PLANS FOR WALL AND CEILING TYPE INFORMATION. PROVIDE SMOKE AND ACOUSTICAL PATHWAY DEVICE(S) IN	D PRIOR TO PROCUREMENT AND INSTALLATION OF BACKBONE CABLE, PHYSICALLY VERIFY ON SITE THE TOTAL RUN LENGTH FOR EACH CABLE FROM ENDPOINT TO ENDPOINT USING ACTUAL ROUTING, INCLUDING VERTICAL TRANSITIONS, REQUIRED CABLE SLACK, ETC. PRE-CUT/PRE-MANUFACTURED CABLES OF	Q IN ROOMS WITH NON-ACCESSIBLE CEILINGS AND/ OR OPEN STRUCTURE CEILINGS, EXTEND CONTINUOUS CONDUITS AS NECESSARY TO TRANSIT THE CEILING SPACE. CONDUITS SHALL TERMINATE AT ACCESSIBLE LOCATION TO PROVIDE READY ACCESS FOR CABLE INSTALLATION AND MAINTENANCE ACTIVITIES. NOTIFY ARCHITECT AND GC IF CONFLICTING FIELD CONDITIONS ARE DISCOVERED.	
SUFFICIENT QUANTITY SUCH THAT THE COMBINED USEABLE CROSS SECTION AREA OF THE DEVICE(S) MATCHES OR EXCEEDS THE CROSS SECTIONAL ARE CABLE TRAY TO BE SERVED.		R CONDUITS SERVING FLOOR BOXES SHALL BE ROUTED CONTINUOUSLY IN OR BELOW FLOOR SLAB UP THROUGH ADJACENT INTERSTITIAL WALL CAVITY TO ACCESSIBLE CEILING SPACE OF ROOM BEING SERVICED BY FLOORBOX.	
T CABLE SUPPORTS EXTERIOR TO COMMUNICATIONS EQUIPMENT ROOMS WHE CABLE TRAY OR CONDUIT PATHWAY IS NOT PROVIDED ACCORDING TO THE TECHNOLOGY CONSTRUCTION DOCUMENTS SHALL BE WIDE BASED J-HOOKS STRAPS/SLINGS. CABLE SUPPORTS ON INTERIOR OF COMMUNICATIONS	OR ROOM, USING THE RACEWAYS (CONDUIT, SLEEVES, ETC) AS INSTALLED. FOR RUN LENGTHS WHICH EXCEED 270 FEET, INCLUDING UP/DOWN TRANSITIONS, REQUIRED CABLE SLACK, ETC., OBTAIN THE ENGINEER'S DIRECTION PRIOR TO	S CONDUITS SERVING POKE-THRU DEVICES SHALL BE ROUTED CONTINUOUSLY BELOW FLOOR SLAB UP THROUGH ADJACENT INTERSTITIAL WALL CAVITY TO ACCESSIBLE CEILING SPACES OF ROOM BEING SERVICED BY POKE-THRU DEVICE. T IN SITUATIONS WHERE CONDUITS LEAVING A FLOORBOX OR POKE-THRU DEVICE	
PER NEC REQUIREMENTS, COMMUNICATIONS SYSTEMS DEVICES AND EQUIPI SHALL NOT BE SECURED TO OR SUPPORTED BY SUSPENDED CEILING SYSTEI (INCLUDING SUPPORTS WIRES), HANGERS FOR CABLE SUPPORTS SHALL BE INDEPENDENT (DEDICATED). PER NEC REQUIREMENTS, WIRE HANGERS SHA SUPPORTED AT BOTH ENDS AND DISTINGUISHABLE FROM SUSPENDED CEILING SYSTEM SUPPORT WIRE. IN EXPOSED STRUCTURAL CEILING SPACES. WIRE	INCLUDING BUT NOT LIMITED TO UNDERSLAB OR IN SLAB ON GRADE. THE INSTALLATION OF HORIZONTAL (STATION) OSP CABLING SHALL ALSO MEET THE REQUIREMENTS OF NEC 800.48. WHERE CONDUITS FOR HORIZONTAL (STATION) OSP CABLING ENTER THE BUILDING FROM OUTSIDE AT A LEVEL THAT IS WITHIN	TERMINATE AT A PULL BOX OR PLENUM BOX WITHIN THE CEILING SPACE OF THE FLOOR BELOW, PROVIDE CONDUITS IN QUANTITY AND SIZE EQUIVALENT OR GREATER TO CONDUITS LEAVING FLOORBOX OR POKE-THRU DEVICE FOR CONTINUATION THROUGH ADJACENT INTERSTITIAL WALL CAVITY TO ACCESSIBLE CEILING SPACE OF ROOM BEING SERVICED BY FLOORBOX OR POKE-THRU DEVICE.	
SHALL NOT BE USED AS A HANGER FOR SUPPORT.	THE BUILDING THE CONTRACTOR SHALL EITHER PROVIDE IMC CONDUIT THE ENTIRE WAY TO THE TELECOM ROOM AS LONG AS NO PULL BOXES ARE REQUIRED DUE TO LENGTH OF RUN OR NUMBER OF BENDS. IF PULL BOXES ARE REQUIRED THEN THE CONTRACTOR SHALL LOCATE THE FIRST PULL BOX AS CLOSE TO THE ENTRANCE OF THE CONDUIT INTO THE BUILDING AND IN AN	U CONDUIT SIZE FOR CONDUITS FEEDING POKE-THRU DEVICES SHALL BE THE SAME SIZE AS THE "NECK" OF THE POKE-THROUGH. V OUTLET BOXES SHALL BE LOCATED WITHIN 3 FEET OF AN ELECTRICAL POWER	
V HANGERS AND SUPPORTS SHALL BE PROVIDED AT INTERVALS PER THE NEC, SHALL BE ATTACHED TO STRUCTURE AND NOT BE ATTACHED TO OTHER BUILI SYSTEMS AND THEIR ASSOCIATED SUPPORTS. CABLE SUPPORTS SHALL BE MOUNTED AT VARYING INTERVALS NOT TO EXCEED 5 FEET AND ROUTED PARALLEL AND PERPENDICULAR TO BUILDING LINES. CABLE SUPPORTS SHALL NOT SHARE CABLES OF DIFFERENT TECHNOLOGY SYSTEMS OR EXCEED 50	ACCESSIBLE LOCATION. THE CONTRACTOR SHALL LOCATE THE BEP IN THAT PULL BOX AND PROVIDE ISP RATED HORIZONTAL (STATION) CABLING FROM THAT POINT TO THE TR. THE CONTRACTOR SHALL CONFIRM ALL SUCH INSTALLATIONS WITH	RECEPTACLE. W PROVIDE PULL BOXES FOR CONDUIT RUNS AT INTERVALS NOT TO EXCEED 100 FEET BETWEEN END POINTS/PULL BOXES. DO NOT INSTALL CONDUITS INTO OR ADJACENT A PULL BOX IN SUCH A WAY AS TO OBSTRUCT THE INSTALLATION OF FUTURE CONDUITS INTO OR OUT OF THE PULL BOX.	
PERCENT OF THE MANUFACTURER'S RECOMMENDED FILL. INCLUDE CABLE SUPPORT ROUTING ON RECORD DRAWINGS. W PROVIDE TELECOM OUTLET(S) AT BUILDING FIRE ALARM CONTROL PANELS (FAND FIRE ALARM ANNUNCIATOR PANELS (FAA). A MINIMUM OF 2 VOICE/DATA	ACP)	PULL BOXES SHALL BE SIZED PER NOTES OR SCHEDULES ON DRAWINGS OR AS INDICATED IN TABLE IN SPECIFICATIONS, ACCESSIBLE, MOUNTED TO STRUCTURE WHEN POSSIBLE, MOUNTED A MAXIMUM OF 4 FEET ABOVE SUSPENDED CEILINGS, HAVE CONDUITS THAT ENTER AND EXIT OUT OF OPPOSITE ENDS (SHALL NOT BE SUBSTITUTED FOR A 90 DEGREE BEND), AND BE LABELED WITH UNIQUE IDENTIFIER.	
PORTS AND CABLES SHALL BE ASSUMED AT EACH FIRE ALARM PANEL. COORDINATE WITH FIRE ALARM DRAWINGS AND FIRE ALARM CONTRACTOR F PANEL LOCATIONS AND COMMUNICATIONS CONNECTIVITY REQUIREMENTS.		Y FLOOR BOX AND POKE-THRU LOCATIONS SHOWN ARE APPROXIMATE AND ARE LOCATED IN THE GENERAL AREA OF FURNITURE / EQUIPMENT. FURNITURE LAYOUT SHOWN MAY OR MAY NOT BE ACCURATE AT TIME OF CONSTRUCTION. PRIOR TO ROUGH-IN COORDINATE FINAL LOCATION WITH ARCHITECTURAL, STRUCTURAL, FURNITURE, AND OWNER REQUIREMENTS, AS WELL AS WITH ALL	
X PROVIDE TELECOM OUTLET(S) AT SECURITY PANEL LOCATIONS. A MINIMUM O VOICE/DATA PORTS AND CABLES SHALL BE ASSUMED AT EACH PANEL.	1 4	OTHER TRADES WHICH WILL MAKE USE OF THE FLOOR BOX.	



Owner
City of Greeley
1000 10th Street Gre
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209
303.892.5566

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037



GREELEY FIRE STATION #2

2301 Reservoir Rd

55519038 BCER

BCER

10/18/2019

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

SEH Project Checked By Drawn By

Project Status 100% DESIGN

Revision Issue

Description

COMMUNICATIONS PROJECT

002

© Copyright BCER Engineering
ALL DRAWINGS, SPECIFICATIONS, AND OTHER WORK PRODUCT PREPARED BY BCER
ENGINEERING FOR THIS PROJECT ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE
PROPERTY OF BCER ENGINEERING. BCER ENGINEERING SHALL RETAIN ALL COMMON LAW,
STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.

	ABBREV	IATIONS	
ABBREV.	DEFINITION	ABBREV.	DEFINITION
ACEG	ALTERNATING CURRENT ELECTRICAL GROUND	LL	LINE LEVEL LEFT CHANNEL AUDIO
ACLGS	ACCESSIBLE CEILING SPACE	LM	LINE LEVEL MONO AUDIO
ACT	ACOUSTIC CEILING TILE	LPS	LOCK POWER SUPPLY
AFF AHJ	ABOVE FINISHED FLOOR AUTHORITY HAVING JURISDICTION	LR MAG	LINE LEVEL RIGHT CHANNEL AUDIO MAGNETIC LOCK
APC	ANGLE POLISHED CONNECTOR	MECH	MECHANICAL
ARCH	ARCHITECT	MED	MEDICAL EQUIPMENT
AVC	AUDIOVISUAL CONTRACTOR	MFR	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MIC	MICROPHONE LEVEL AUDIO
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BB	BACKBONE	MM	MULTIMODE FIBER OPTIC CABLE
BEP	BUILDING ENTRANCE PROTECTOR	(N)	NEW
BLDG BO	BUILDING BY OTHERS	NA NACLGS	NOT APPLICABLE NON ACCESSIBLE CEILING SPACE
CAB	CABINET	NEC	NATIONAL ELECTRIC CODE
CATV	CABLE TELEVISION	NS	NETWORK SWITCH
CC	CONTACT CLOSURE	NVR	NETWORK VIDEO RECORDER
CCTV	CLOSED CIRCUIT TELEVISION	0	OWNER
CLG	CEILING	ОВ	OVERRIDE BUTTON
COM	COMMON	OC	ON CENTER
COMM	COMMUNICATION	OD	OUTSIDE DIAMETER
CR CT	CARD READER COUNT	OFCI OFOI	OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED
DB	DIRECT BURIAL	OSP	OUTSIDE PLANT
(D)	DEMOLISH	PA	PUBLIC ADDRESS
DIA	DIAMETER	POE	POWER OVER ETHERNET
DP	DISPLAY PORT	PP	PATCH PANEL(S)
DPS	DOOR POSITION SWITCH	PR	PAIR
DR	DOOR RELEASE	PS	POWER SUPPLY
DVR	DIGITAL VIDEO RECORDER	PWR	POWER
DWG	DRAWING	(RL)	REMOVE AND RELOCATE
(E) EB	EXISTING TO REMAIN EXIT BUTTON	(RE) REV	REMOVE REVISION
EC	ELECTRICAL CONTRACTOR	REX	REQUEST TO EXIT SWITCH
ECL	ELECTRIC CYLINDER LOCK	RM	ROOM
ECP	ELEVATOR CONTROL PANEL	RMC	RIGID METALLIC CONDUIT
EF	ENTRANCE FACILITY (DEMARC)	RNC	RIGID NONMETALLIC CONDUIT
EIB	EMERGENCY INFORMATION BOARD	RW	CABLE RUNWAY
ELEC	ELECTRICAL	RW-A	CABLE RUNWAY, ALTERNATE SPACING
ELV EMT	ELEVATOR ELECTRICAL METALLIC TUBING	SC SCHED	SECURITY CONTRACTOR SCHEDULE
ENCL	ENCLOSURE	SM	SINGLEMODE FIBER OPTIC CABLE
EQPMT	EQUIPMENT	SMT	SURFACE MOUNT
ER	EQUIPMENT ROOM	SP	SURGE PROTECTOR
ES	ELECTRIC STRIKE	SPEC	SPECIFICATION
(F)	FUTURE	SPKR	LOUDSPEAKER LEVEL AUDIO
FAC	FIRE ALARM CONTRACTOR	SR	SURFACE RACEWAY
FACP	FIRE ALARM CONTROL PANEL	STP	SHIELDED TWISTED PAIR
FB FD	FIBER BACKBONE, FLOOR BOX FLOOR DISTRIBUTOR	TB TBB	TERMINATION BLOCK(S) TELECOMMUNICATIONS BONDING BACKBONE
FLEX	FLEXIBLE CONDUIT	TBD	TO BE DETERMINED
FPA	FLOOR PENETRATION ASSEMBLY	TC	TELECOMMUNICATIONS CONTRACTOR
FS	FURNITURE SUPPLIER	TEL	TELEPHONE
FSD	FIRE STOP DEVICE	TR	TELECOMMUNICATIONS ROOM (IDF, FD)
G	GROUND	TYP	TYPICAL
GC	GENERAL CONTRACTOR	U	UNIT
HB	HANDICAP BUTTON	UGND	UNDERGROUND
HC IF	HORIZONTAL CABLE INTERFACE PLATE	UON UPS	UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY
IF IG	ISOLATED GROUND	UTP	UNSHIELDED TWISTED PAIR
IMC	INTERMEDIATE METAL CONDUIT	VB	VOICE BACKBONE
IP	INTERNET PROTOCOL	VGA+A	HD ANALOG VIDEO TYP 15 PIN D-SUB & 3.5MM TRS
ISP	INSIDE PLANT	VMS	VIDEO MANAGEMENT SYSTEM
IWC	IN-BUILDING WIRELESS CONTRACTOR	VOIP	VOICE OVER INTERNET PROTOCOL
KS	KEYSWITCH	WP	WEATHER PROOF
LC	LOW VOLTAGE/SPECIALITY CONTRACTOR		

	GENERAL		GENERAL CONT.
A	ACCEPTED/ACCEPTABLE: WORK OR MATERIALS CONFORMING WITH THE INTENT OF THE PROJECT, AND IN GENERAL, CONFORMING TO THE PERTINENT INFORMATION IN THE CONSTRUCTION DOCUMENTS.	AA	THE PROJECT: THE TOTAL CONSTRUCTION OF WHICH THE WORK PERFORMED UNDER THE CONTRACT DOCUMENTS MAY BE THE WHOLE OR A PART, AND WHICH MAY INCLUDE CONSTRUCTION BY THE OWNER AND/OR SEPARATE CONTRACTORS
B C	ACCESSIBLE: EASY ACCESS. ACCESS ATTAINED WITHOUT REQUIRING EXTENSIVE REMOVAL OF OTHER MATERIALS TO GAIN ACCESS. ACCESSIBLE CEILING: ACOUSTICAL TILE HANGING CEILINGS ("HARD-LID" CEILINGS	AB	PROVIDE: TO FURNISH AND INSTALL, COMPLETE, TESTED AND READY FOR INTENDED USE.
	(CONCEALED SPINE OR SHEETROCK/GYPSUM CEILINGS), EVEN WHEN PROVIDED WITH ACCESS PANELS, ARE NOT CONSIDERED AN ACCESSIBLE CEILING.)	AC	ROUGH-IN: PROVIDE THE COMMUNICATIONS PATHWAY SYSTEM, INCLUDING (BUT NOT LIMITED TO) DEVICE BOXES, PULL BOXES, WALL BOXES, FLOOR BOXES, POKE-THROUGH DEVICES, CONDUIT, ENCLOSURES, CABLE TRAY,
D E	APPROVED/APPROVAL: THE WRITTEN APPROVAL OF THE ENGINEER. AGREEMENT: THE CONTRACTUAL AGREEMENT BETWEEN THE OWNER AND THE		DUCTS/DUCTBANKS, MAINTENANCE HOLES, HAND HOLES, AND OTHER PATHWAY AND ITEMS INDICATED (OR AS REQUIRED) FOR ROUTING, SUPPORTING, AND INSTALLING COMMUNICATIONS CABLES, DEVICES, OR EQUIPMENT WHICH SHALL BE PROVIDED BY OTHERS OR PROVIDED UNDER A SUBSEQUENT SET OF
F	CONTRACTOR.		CONTRACT DOCUMENTS.
•	COMMUNICATIONS (OR TECHNOLOGY) GROUNDING SYSTEM: INCLUDES (BUT IS NOT LIMITED TO) PROVIDING A PERMANENT GROUNDING AND BONDING INFRASTRUCTURE FOR THE COMMUNICATIONS CABLING SYSTEM.	AD	SUBSTANTIAL COMPLETION: THE DATE WHEN ALL WORK REQUIRED BY THE CONSTRUCTION DOCUMENTS SHALL BE COMPLETE (SUBJECT TO THE FINAL PUNCH LIST TO BE PREPARED BY THE ENGINEER) AND ON WHICH THE
G	ELECTRICAL FOR COMMUNICATIONS SYSTEMS ALSO REFERRED TO AS COMMUNICATIONS (OR TECHNOLOGY) PATHWAY SYSTEM: INCLUDES (BUT IS NOT LIMITED TO) DEVICE BOXES, PULL BOXES, CONDUIT, CABLE TRAY, DUCT/DUCTBANK, AND OTHER PATHWAY AND RACEWAY COMPONENTS		APPLICABLE JURISDICTIONAL AUTHORITIES HAVE ISSUED A TEMPORARY CERTIFICATION OF OCCUPANCY.
	NECESSARY TO PROVIDE PATHWAY FOR, SUPPORT, AND ROUTE COMMUNICATIONS CABLES.	AE	SECTION: AN INDIVIDUAL SECTION OF THE SPECIFICATIONS.
Н	COMMUNICATIONS (OR TECHNOLOGY) SYSTEMS: INCLUDES (BUT IS NOT LIMITED TO) AUDIOVISUAL SYSTEM, COMMUNICATION CABLING SYSTEM, ELECTRICAL FOR	AF	SHOWN ON DRAWINGS: NOTED, INDICATED, SCHEDULED, DETAILED, OR ANY OTHER WRITTEN REFERENCE MADE ON THE DRAWINGS.
	COMMUNICATIONS SYSTEMS (PATHWAY AND GROUNDING), <healthcare systems="">, <low system="" voltage="">, <in-building (iws)="" system="" wireless="">, SECURITY SYSTEM, STRUCTURED CABLING SYSTEM (SCS).</in-building></low></healthcare>	AG	SPECIFICATIONS: THE PORTION OF THE CONTRACT DOCUMENTS CONSISTING OF THE WRITTEN REQUIREMENTS FOR MATERIALS, EQUIPMENT, CONSTRUCTION SYSTEMS, STANDARDS AND WORKMANSHIP FOR THE WORK AND PERFORMANC OF RELATED SERVICES.
I	CONCEALED: HIDDEN FROM SIGHT IN INTERSTITIAL BUILDING SPACES, CHASES, FURRED SPACES, SHAFTS, CRAWL SPACES, ETC.	АН	SPECIFICATION SECTION(S): ONE OR MORE SECTIONS OF THE SPECIFICATIONS
J		Al	SECTION(S): AN ABBREVIATED FORM OF SPECIFICATION SECTION(S).
	REQUIRED, INCLUDING ALL DRAWINGS, SPECIFICATIONS, ADDENDA ISSUED PRIOR TO EXECUTION OF THE CONTRACT, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT (SUCH AS CHANGE ORDERS, CONSTRUCTION CHANGE DIRECTIVES, SUPPLEMENTAL INSTRUCTIONS, ETC.).	AJ	THE WORK: THE CONSTRUCTION AND SERVICES REQUIRED BY THE CONTRACT DOCUMENTS, WHETHER COMPLETED OR PARTIALLY COMPLETED, AND ALL OTHE LABOR, MATERIALS, EQUIPMENT AND SERVICES PROVIDED OR TO BE PROVIDED BY THE CONTRACTOR TO FULFILL THE CONTRACTOR'S OBLIGATIONS. THE WORLD MAY CONSTITUTE THE WHOLE OR A PART OF THE PROJECT.
K	CONTRACT DOCUMENTS: THE AGREEMENT (INCLUDING OTHER DOCUMENTS LISTED IN THE AGREEMENT), CONDITIONS OF THE CONTRACT (GENERAL, SUPPLEMENTARY AND OTHER CONDITIONS), AND THE CONSTRUCTION DOCUMENTS.		
L	THE CONTRACT: THE CONTRACT DOCUMENTS FORM THE CONTRACT. THE CONTRACT REPRESENTS THE ENTIRE AND INTEGRATED AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR AND SUPERSEDES ANY PRIOR NEGOTIATIONS, REPRESENTATIONS OR AGREEMENTS, EITHER WRITTEN OR ORAL.		
	THE CONTRACT SHALL NOT BE CONSTRUED TO CREATE A CONTRACTUAL RELATIONSHIP OF ANY KIND (1) BETWEEN THE ENGINEER AND THE CONTRACTOR, (2) BETWEEN THE OWNER AND A SUBCONTRACTOR, OR (3) BETWEEN ANY PERSONS OR ENTITIES OTHER THAN THE OWNER AND CONTRACTOR.		
M	CONTRACTOR: THE PARTY RESPONSIBLE FOR PROVIDING THE COMMUNICATION SYSTEM(S) AS INDICATED HEREIN.		
N	DRAWINGS: THE GRAPHIC AND PICTORIAL PORTIONS OF THE CONTRACT DOCUMENTS, WHEREVER LOCATED AND WHENEVER ISSUED, SHOWING THE DESIGN, LOCATION AND DIMENSIONS OF THE WORK, GENERALLY INCLUDING (BUT NOT LIMITED TO) PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND/OR DIAGRAMS.		
0	ENGINEER: THE PARTY RESPONSIBLE FOR PRODUCING THE COMMUNICATION SYSTEM(S) CONSTRUCTION DOCUMENTS.		
Р	EXPOSED: NOT CONCEALED (SEE ABOVE) AND NOT INSTALLED UNDERGROUND.		
Q	FINAL COMPLETION: THE DATE WHEN THE ENGINEER CONFIRMS IN WRITING THAT THE CONTRACTOR HAS COMPLETED THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, INCLUDING COMPLETION OF ALL PUNCH LIST ITEMS, CLEANUP WORK AND DELIVERY OF ALL REQUIRED GUARANTEES, WARRANTIES, LICENSES, RELEASES AND OTHER REQUIRED DELIVERABLES.		
R	FURNISH: TO PURCHASE, SUPPLY, AND DELIVER TO THE PROJECT MATERIALS IN NEW AND OPERABLE CONDITION, READY FOR INSTALLATION.		
S	GOVERNING AUTHORITY: ENTITIES OR THEIR REPRESENTATIVES CHARGED WITH FORMATION AND/OR ENFORCEMENT OF GOVERNING REQUIREMENTS, SUCH AS THE AUTHORITY HAVING JURISDICTION (AJH).		
Т	GOVERNING REQUIREMENTS: COLLECTIVE TERM FOR REGULATIONS, LAWS, ORDINANCES, CODES, RULES, STANDARDS, REQUIREMENTS, GUIDELINES, AND RECOMMENDATIONS THAT GOVERN THE INSTALLATION AND INSPECTION OF THE WORK DEFINED IN THE CONTRACT DOCUMENTS.		
U	HANGER/SUPPORT SYSTEM: ALL EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO SUPPORT THE RACEWAY/PATHWAY AND CABLING SYSTEMS, INCLUDING BUT NOT LIMITED TO METALLIC HANGERS AND SUPPORTS, CONDUIT, CABLE TRAY, CONDUIT, PULL BOXES, DEVICE BOXES, U-CHANNELS, THREADED RODS, CLAMPS, CONCRETE INSERTS, ANCHOR BOLTS, CABLES, BACKING BOARDS, ETC.		
V	INSIDE PLANT (ISP): INFRASTRUCTURE WITHIN A BUILDING.		
W	INSTALL: TO PLACE IN FINAL POSITION IN FULLY OPERABLE, TESTED CONDITION.		
X	OR EQUAL: MATERIALS APPROVED FOR USE BY THE ENGINEER AND WHICH ARE DIMENSIONALLY SUITABLE AND OPERATIONALLY IDENTICAL TO THE SPECIFIED ITEM.		
Υ	OUTSIDE PLANT (OSP): INFRASTRUCTURE EXTERIOR TO A BUILDING.		
Z	OWNER: THE OWNER AND THE OWNER'S DESIGNATED REPRESENTATIVE(S).	1	



Owner
City of Greeley
1000 10th Street Gre
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209
303.892.5566

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037



Y FIRE STATION #2

GREEL

:301 Reservoir Rd, Greeley,

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

55519038 BCER

BCER

10/18/2019

SEH Project Checked By Drawn By

Project Status 100% DESIGN

Revision Issue

Rev. # Description

COMMUNICATIONS PROJECT

			COMMUNICATIONS RES	PONSIBILITY MATRIX
	ENT	ITY		GENERAL NOTES
COMPONENT	FURNISH	INSTALL	NOTES APPLY TO ALL ENTITIES	A. FURNISH AND INSTALL RESPONSIBILITIES ARE ONLY RECOMMENDATIONS AND PROVIDED AS A COURTESY TO CONTRACTOR.
COMMON WORK				B. SOME COMPONENTS AND ASSOCIATED FURNISH AND INSTALL RESPONSIBILITIES MAY NOT BE INDICATED ON THIS MATRIX.
CABLE PATHWAY FIRE STOPPING DEVICE	EC	EC	1,7	C. THE DETAIL FURNISH / INSTALL CALLOUT ANNOTATION PROVIDES SPECIFIC RECOMMENDATIONS THAT SUPERSEDE GENERAL RECOMMENDATIONS FOUND IN THIS TECHNOLOGY RESPONSIBILITY MATRIX.
CONDUIT SLEEVES	EC	EC	1	
FIRE RATED FLOOR PENETRATION ASSEMBLY	EC	EC	1,7	D. EQUIPMENT SCHEDULES MAY CONTAIN ADDITIONAL FURNISH OR INSTALL RESPONSIBILITY RECOMMENDATIONS. THESE SUPERSEDE RECOMMENDATIONS FOUND IN DETAIL ANNOTATIONS AND THIS TECHNOLOGY RESPONSIBILITY MATRIX.
HANGER SUPPORTS FOR CABLE SUPPORTS	TC	TC	2	E. CONTRACTOR IS RESPONSIBLE FOR FINAL DETERMINATION OF ALL COMPONENTS AND ASSOCIATED FURNISH AND INSTALL RESPONSIBILITIES REQUIRED FOR
HANGER SUPPORTS FOR CONDUITS	EC	EC	1	PROVISION OF COMPLETE COMMUNICATIONS SYSTEMS READY FOR OWNER'S USE. DETERMINATION OF SUCH SHALL OCCUR PRIOR TO BID.
MISCELLANEOUS FIRE STOPPING MATERIAL PENETRATION	GC GC	GC GC	1,5,7 1,5,7	F. DETERMINATION AND EXECUTION OF ALL NECESSARY COMPONENTS AND ASSOCIATED FURNISH AND INSTALL RESPONSIBILITIES SHALL CONFORM TO PROJECT
PUTTY PADS	EC	EC EC	1,5,7	SCHEDULE.
STRAPS/SLINGS	TC	TC	2	G. CABLING FOR COMPONENTS SHALL BE PROVIDED BY ENTITY INSTALLING COMPONENT UNLESS OTHERWISE INDICATED.
WIDE BASE CABLE SUPPORTS (J-HOOKS)	TC	TC	2	H. EACH TRADE SHALL COORDINATE ROUGH-IN REQUIREMENTS (INCLUDING SLEEVES) WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
				MATRIX NOTES
ELECTRICAL FOR COMMUNICATIONS SYSTEMS				1. EACH RESPECTIVE TRADE SHALL COORDINATE EXTENT OF WORK WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH IN.
BACKBOXES	EC	EC	1	 EACH TRADE SHALL COORDINATE PROVISION OF THIS COMPONENT WITH TELECOMMUNICATIONS CONTRACTOR. TELECOMMUNICATIONS CONTRACTOR SHALL PROVIDE THIS COMPONENT UNLESS DETERMINED OTHERWISE IN CONJUNCTION WITH TELECOMMUNICATIONS CONTRACTOR.
CONDUIT, FITTINGS, PULL STRINGS	EC	EC	1	COMPONENT SPECIFICATION MAY BE INDICATED ON E-SERIES DOCUMENTS.
FLOOR BOXES	EC EC	EC	1,3	4. FURNISHING CONTRACTOR TO PROVIDE ROUGH IN DIMENSIONS / TEMPLATE AND DESIRED LOCATION FOR TABLE TOP INTERFACE. INSTALLING CONTRACTOR SHALL
GROUND BUS BAR GROUND RISER CONDUCTORS	EC	EC EC		CUT-OUT SURFACE OF TABLE, IDENTIFYING AND COORDINATING ANY POTENTIAL CONFLICTS WITH DESIRED LOCATION PRIOR TO PERFORMING ANY WORK.
INNERDUCTS (SUBDUCTS)	EC	EC EC	1	
JUNCTION BOXES	EC	EC	1	5. EACH TRADE SHALL COORDINATE PROVISION OF THIS COMPONENT WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE THIS COMPONENT
PLENUM ENCLOSURES	EC	EC	1	UNLESS DETERMINED OTHERWISE IN CONJUNCTION WITH GENERAL CONTRACTOR.
POKE-THROUGHS	EC	EC	1,3	6. ELECTRICAL CONTRACTOR SHALL PROVIDE PADS DURING ROUGH-IN. AFTER ROUGH IN, REQUIRED PADS SHALL BE PROVIDED BY RESPECTIVE TRADES.
PULL BOXES	EC	EC	1	7. ELECTRICAL CONTRACTOR SHALL COORDINATE EXTENT OF WORK WITH GENERAL CONTRACTOR.
WALL BOXES (AV)	EC	EC	1	 TELECOMMUNICATIONS CONTRACTOR SHALL COORDINATE EXTENT OF WORK WITH GENERAL CONTRACTOR. AUDIOVISUAL CONTRACTOR SHALL COORDINATE EXTENT OF WORK WITH GENERAL CONTRACTOR.
TEL ECOMMUNICATIONS (COMMUNICATIONS CARLING SYSTEM)				10. THE FURNISHING CONTRACTOR SHALL PROVIDE ALL SYSTEM REQUIREMENTS FOR A FULLY FUNCTIONAL AND OPERATING SYSTEM READY FOR THE OWNERS USE.
TELECOMMUNICATIONS (COMMUNICATIONS CABLING SYSTEM)				REQUIREMENTS SHALL INCLUDE BUT NOT BE LIMITED TO SYSTEM COMPONENTS, CABLING, PROGRAMING, INSTALLATION AND COORDINATION UNLESS NOTED
BACKBOARDS BUILDING ENTRANCE PROTECTION	GC TC	GC TC	8	OTHERWISE.
CABLE RUNWAY AND ACCESSORIES	TC	TC		11. THE OWNER SHALL INSTALL FAR END PATCH CORDS FOR ALL OWNER FURNISHED DEVICES. THE CONTRACTOR SHALL INSTALL FAR END PATCH CORDS FOR ALL CONTRACTOR FURNISHED DEVICES. TRADE SPECIFIC NETWORK BASED SYSTEMS THAT ARE NOT PART OF OWNERS TELECOMMUNICATIONS NETWORK SHALL BE
CONNECTORS BACKBONE CABLE	TC	TC		PROVIDED BY RESPECTIVE CONTRACTOR UNLESS OTHERWISE NOTED. EXAMPLES OF SUCH TRADE SPECIFIC SYSTEMS INCLUDE BALUNS AND CONTROL NETWORKS.
CONNECTORS HORIZONTAL CABLE	TC	TC		
EQUIPMENT FRAMES AND ACCESSORIES	TC	TC	_	
EQUIPMENT RACKS AND ACCESSORIES	TC	TC		
FACEPLATES	TC	TC		
HORIZONTAL CABLING	TC	TC		
IDENTIFICATION OSP BACKBONE CABLING	TC TC	TC TC		
PATCH CORDS @ PATCH PANEL (MDF/IDF/TR/ETC.)	TC	0		
PATCH CORDS @ FAR END (OUTLET/DEVICE INCLUSIVE OF ALL SYSTEMS/ENDPOINTS)	TC		11	
PATCH PANELS	TC	TC		
SPLICE ENCLOSURES	TC	TC		
TELECOM ROOM EQUIPMENT GROUNDING AND BONDING	TC	TC		
TERMINATION BLOCKS	TC	TC		
WIRELESS ACCESS POINTS	0	0		
AUDIOVISUAL SYSTEM(S)	0	0		
STRUCTURAL SUPPORTS FOR AV EQUIPMENT	GC	GC	9	
STAGE STATE STATE OF THE PROPERTY OF THE PROPE			<u> </u>	
IN-BUILDING WIRELESS SYSTEM	IWC	IWC	10	
CELLULAR PHONE INTEGRATION	0	0	-	
SECURITY SYSTEM(S)				
ACCESS CONTROL SYSTEM			10	
ACCESS CONTROL SOFTWARE	SC	SC		
ACCESS CONTROL SYSTEM CABLING (ANALOG)	SC	SC		
CARD READER / VERIFICATION DEVICE	SC	SC		
DOOR HARDWARE	GC	GC	5	
DOOR POSITION SWITCH	SC	SC		
HEAD END EQUIPMENT NETWORK BASED PATCH CORDS (AT DEVICE)	SC TC	SC SC		
NETWORK BASED PATCH CORDS (AT DEVICE) NETWORK SERVER FOR ACCESS CONTROL SYSTEM	0	0		
NETWORK SWITCHES AND POE	0	0		
POWER SUPPLIES	GC	GC		
REQUEST-TO-EXIT	SC	SC		



Owner
City of Greeley
1000 10th Street Greeley,
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209
303.892.5566

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037



Y FIRE STATION #2

GRE

2301 Reservoir Rd, Gre

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

55519038

BCER

BCER

10/18/2019

SEH Project Checked By Drawn By

100% DESIGN

Revision Issue

COMMUNICATIONS SCHEDULES

	EQUIPMENT	SCHEDULE - SECURITY	
DESCRIPTION	MANUFACTURER	PART NUMBER	SPECIAL RQMTS
PROXPOINT PLUS CARD READER	HID	6005BK00	
CONTROLLER / LOCK POWER SUPPLY	LIFESAFETY POWER	FPO SERIES (SIZE AS REQUIRED)	COORDINATE WITH DOOR CONTRACTOR FOR LOCK POWER SUPPLY REQUIREMENTS
PROCESSOR PANEL 'MAIN BOARD"	BRIVO	ACS6008-MB	MATCH EXISTING SYSTEMS OR LATEST VERSION
DOOR CONTROLLER "DOOR BOARD"	BRIVO	ACS6000-DB	MATCH EXISTING SYSTEMS OR LATEST VERSION
POWER SUPPLY BATTERY BACKUP	ELK	SIZE AS REQUIRED	
ACCESS CONTROL SYSTEM CABLE	Per Manufacturer's Recommendations	PLENUM W/ BLACK OUTER SHEATH	CONDUCTOR QUANTITY AND GAUGE PER SYSTEM

27 11 00 - EQUIPMENT ROOM FITTINGS					
			Manufacturer/Pa	rt Number	T
DESCRIPTION	СРІ	Cooper B-Line	Commscope NetConnect	Panduit	Special Rqmt/Notes
UNIVERSAL CABLE RUNWAY	10250-712				
RUNWAY BEND RADIUS	10723-712				
RADIUS DROP	12100-712				
BUTT SPLICE	16301-001				
RACK-TO-RUNWAY MOUNTING PLATE (3")	10595-712				
WALL ANGLE SUPPORT	11421-712				
FOOT KIT, CABLE RUNWAY THREADED KIT, CABLE RUNWAY	11309-001 11310-001				
CABLE RETAINING POSTS	10596-706	-			
PROTECTIVE END CAPS	10642-001		-		
EQUIPMENT RACK (7' 2-POST)	48353-703				
SERVER CABINET				R4PCN	
HORIZONTAL POWER STRIP		-		CMRPSH20S	
HORIZONTAL CABLE MGMT PANEL (2U)				NCMHF2	
VERTICAL MANAGEMENT SECTION (FIBER)				HD FLEX ENCLOSURE	
VERTICAL MANAGEMENT SECTION (COPPER)				PR2VD10	
27 11 19 - TERMINATION EQUIPMENT (T	E)	•		•	
· .	,		Manufacturer/Pa	rt Number	
DESCRIPTION	Commscope Systimax	Legrand/Sup. Essex nCompass	Berk-Tek/Leviton Technologies	Panduit/Gen. Cable "PanGen"	Special Rqmt/Notes
HORIZONTAL COPPER PATCH PANEL-CAT 6A (48	•	•			• •
PORT, 2U, IDC TERMINATION, U/UTP)		-		CPPL48WBLY	
TERMINATION BLOCK -110 STYLE				P110KBx005	
TERMINATION BLOCK JUMPER TROUGH - 110-STYL	E			P110JTW-X	
OZ 40 00 PACKEONE CARLING (PO)		~ ~ ~ ~ ~ ~ ~			
2/ 13 UU - BACKBONE CABLING (BC)					
27 13 00 - BACKBONE CABLING (BC)					
	Commscope		Manufacturer/Pa	rt Number	
DESCRIPTION	Commscope Systimax	Corning	Manufacturer/Pa	ert Number Belden	Special Rqmt/Notes
DESCRIPTION	Commscope Systimax 4112704/10	Corning	Manufacturer/Pa	rt Number	
DESCRIPTION ISP COAXIAL/CATV (RG-6)	Commscope Systimax 4112704/10 TERASPEED:	Corning ALTOS:	Manufacturer/Pa	Belden 4694P	
DESCRIPTION	Commscope Systimax 4112704/10	Corning	Manufacturer/Pa	ert Number Belden	
DESCRIPTION SP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE	Commscope Systimax 4112704/10 TERASPEED:	Corning ALTOS:	Manufacturer/Pa	Belden 4694P	
DESCRIPTION ISP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE	Commscope Systimax 4112704/10 TERASPEED: 7600039xx	Corning ALTOS: xxxEUD-T4122A20	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa	Belden 4694P FSSHxxx6G	
DESCRIPTION SP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC)	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope	Corning ALTOS: XXXEUD-T4122A20 Legrand/Sup. Essex	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G art Number Panduit/Gen. Cable	Special Rqmt/Notes
DESCRIPTION ISP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION	Commscope Systimax 4112704/10 TERASPEED: 7600039xx	Corning ALTOS: xxxEUD-T4122A20	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa	Belden 4694P FSSHxxx6G art Number Panduit/Gen. Cable "PanGen"	
DESCRIPTION SP COAXIAL/CATV (RG-6) DSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax	Corning ALTOS: XXXEUD-T4122A20 Legrand/Sup. Essex	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies	Belden 4694P FSSHxxx6G art Number Panduit/Gen. Cable	Special Rqmt/Notes
DESCRIPTION ISP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax	Corning ALTOS: XXXEUD-T4122A20 Legrand/Sup. Essex	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies	Belden 4694P FSSHxxx6G rt Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG	Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) DSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax	Corning ALTOS: XXXEUD-T4122A20 Legrand/Sup. Essex	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies	Belden 4694P FSSHxxx6G rt Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG	Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) DSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG art Number Panduit/Gen. Cable "PanGen"	Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) DSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION WALL MOUNT TELEPHONE FACEPLATE	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG art Number Panduit/Gen. Cable	Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) DSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION WALL MOUNT TELEPHONE FACEPLATE FURNITURE OUTLET	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G Art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG Art Number Panduit/Gen. Cable "PanGen" KWP6PY	Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION WALL MOUNT TELEPHONE FACEPLATE FURNITURE OUTLET 2-PORT WALL OUTLET	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG art Number Panduit/Gen. Cable "PanGen" KWP6PY CFFPL4BL	Special Rqmt/Notes Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION WALL MOUNT TELEPHONE FACEPLATE FURNITURE OUTLET 2-PORT WALL OUTLET BLANK INSERT	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope Systimax	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G Art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG Art Number Panduit/Gen. Cable "PanGen" KWP6PY CFFPL4BL CFPL21WY	Special Rqmt/Notes Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION WALL MOUNT TELEPHONE FACEPLATE FURNITURE OUTLET 2-PORT WALL OUTLET BLANK INSERT KEYSTONE WALL PLATE WITH RJ45	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope Systimax	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton	Belden 4694P FSSHxxx6G Art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG Art Number Panduit/Gen. Cable "PanGen" KWP6PY CFFPL4BL CFPL21WY CMBIW-X	Special Rqmt/Notes Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION ISP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope Systimax	Corning ALTOS: xxxEUD T4122A20 Legrand/Sup. Essex nCompass Commscope Uniprise	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa	Belden 4694P FSSHxxx6G Art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG Art Number Panduit/Gen. Cable "PanGen" KWP6PY CFFPL4BL CFPL21WY CMBIW-X CJ6X88TGYL	Special Rqmt/Notes Special Rqmt/Notes Special Rqmt/Notes
DESCRIPTION SP COAXIAL/CATV (RG-6) OSP SM FIBER BACKBONE 27 15 00 - HORIZONTAL CABLING (HC) DESCRIPTION HORIZONTAL COPPER CABLE - CAT6A 27 15 43 - FACEPLATES AND CONNECT DESCRIPTION WALL MOUNT TELEPHONE FACEPLATE FURNITURE OUTLET 2-PORT WALL OUTLET BLANK INSERT KEYSTONE WALL PLATE WITH RJ45	Commscope Systimax 4112704/10 TERASPEED: 7600039xx Commscope Systimax ORS (FC) Commscope Systimax	Corning ALTOS: xxxEUD-T4122A20 Legrand/Sup. Essex nCompass Commscope	Manufacturer/Pa Panduit/Gen. Cable "PanGen" Manufacturer/Pa Berk-Tek/Leviton Technologies Manufacturer/Pa Berk-Tek/Leviton Technologies	Belden 4694P FSSHxxx6G Art Number Panduit/Gen. Cable "PanGen" PUP6AM04WH-UG Art Number Panduit/Gen. Cable "PanGen" KWP6PY CFFPL4BL CFPL21WY CMBIW-X CJ6X88TGYL	Special Rqmt/Notes Special Rqmt/Notes Special Rqmt/Notes

			AC	CESS CON	NTROL DOOF	R SCHEDL	JLE
DOOR INFORMATION		DIVISION 8		DIVISION 28			NOTES
	CONTROLLED (C)	SINGLE LEAF DOOR	ELECTRIFIED DOOR HARDWARE	CARD / KEYPAD READER (CR)	DOOR POSITION SWITCH (DPS)	LOCK POWER SUPPLY (PS)	
DOOR NUMBER	DOOR TAG	DOOR HARDWARE			SECURITY		
01A	С	X	X	1	1	1	SCHEDULED RELEASE
01B	С	X	X	1	1	1	
15	С	X	X	1	1	1	
28	С	Х	Х	1	1	1	
33D	С	Х	Х	1	1	1	
35C	С	Х	Х	1	1	1	
CENTEDAL MOTEO							
GENERAL NOTES: A	NUMBERS DEPICTED WITHIN THIS SCHEDULE DENOTE QUANTITY OF DEVICES. DEVICES LISTED UNDER 'DIVISION 1, DIVISION 8 AND OTHER OPENING SPECIFICATIONS' SHALL BE PROVIDED BY OTHERS. SECURITY CONTRACTOR SHALL PROVIDE DEVICES LISTED UNDER 'DIVISION 28. THE SECURITY CONTRACTOR SHALL PROVIDE CONNECTIVITY TO DOOR HARDWARE DEVICES INSTALLED BY OTHERS FOR INTEGRATION INTO THE ACCESS CONTROL SYSTEM.						
В	REFERENCE SECURITY DOOR DETAILS FOR CONDUIT AND BOX REQUIREMENTS. IF DOOR REQUIREMENTS ARE IN CONFLICT, PROVIDE MOST STRINGENT REQUIREMENTS TO MEET ALL POSSIBLE CONFIGURATIONS.						
С	POWER SUPPLIES FOR DOOR HARDWARE ARE INTENDED TO BE DISTRIBUTED FOR MULTIPLE DOORS. QUANTITIES INDICATED IN THIS SCHEDULE DO NOT REFLECT TOTAL NUMBER OF POWER SUPPLIES REQUIRED. THE SECURITY CONTRACTOR SHALL PROVIDE AND DISTRIBUTE ADEQUATE DOOR POWER PER MANUFACTURER REQUIREMENTS.						

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209
303.892.5566

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037



EY FIRE STATION #2

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

55519038

10/18/2019

BCER

BCER

SEH Project Checked By Drawn By

Project Status 100% DESIGN

Revision Issue
Description

ADDENDUM 02

_

COMMUNICATIONS SCHEDULES

LOCATING METHOD IN THE FORM OF EITHER A TRACER WIRE OR DETECTABLE

WARNING TAPE.

WORK NOTES

- T02 APPROXIMATE LOCATION OF UTILITY SERVICE PROVIDER HANDHOLE FOR COMCAST CATV. COORDINATE LOCATION AND TIE IN WITH PROVIDER. PROVIDE THREE (3) 1" INNERDUCT THROUGH 4" CONDUIT ROUTE.
- T03 APPROXIMATE LOCATION OF UTILITY SERVICE PROVIDER HANDHOLE FOR CENTURYLINK COPPER. COORDINATE LOCATION AND TIE IN WITH PROVIDER. PROVIDE THREE (3) 1" INNERDUCT THROUGH 4" CONDUIT ROUTE.
- APPROXIMATE LOCATION OF CITY OF GREELEY HANDHOLE FOR FIBER.
 COORDINATE LOCATION AND TIE IN WITH EXISTING CITY FIBER, NEW HANDHOLE
 AND CONDUIT SHALL INTERCEPT EXISTING FIBER PATHWAY. PROVIDE THREE (3) 1"
 INNERDUCT THROUGH 4" CONDUIT ROUTE.



Owner
City of Greeley
1000 10th Street Greeley
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037

303.892.5566



ELEY FIRE STATION #2

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

BCER

BCER

10/18/2019

SEH Project Checked By Drawn By

Project Status 100% DESIGN

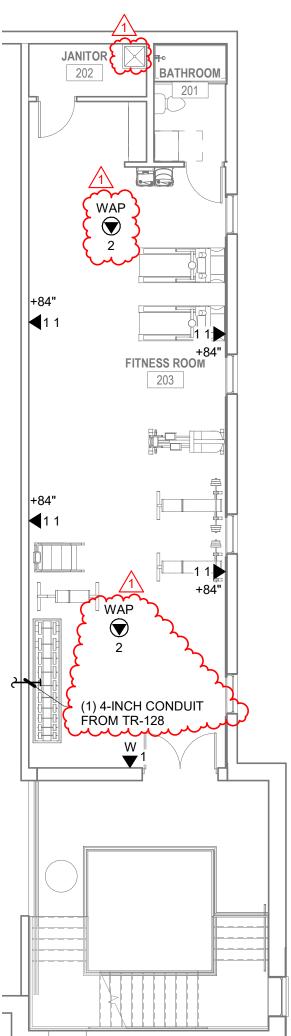
Revision Issue

1 ADDENDUM 02

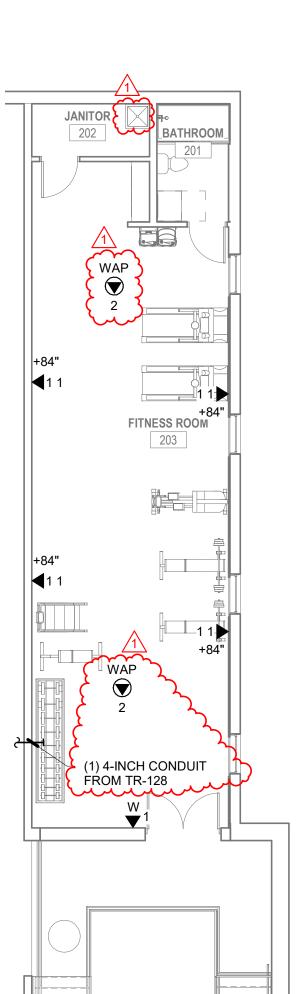
COMMUNICATIONS SITE PLAN

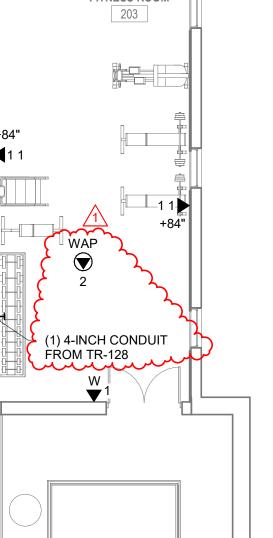


- T05 CONTRACTOR SHALL PROVIDE AND INSTALL A BACKBOX WITH GROMMET FACEPLATE CONNECTED TO CONDUIT ROUTING FROM CEILING TO GIVE ACCESS TO RADIO COMMUNICATION CABLING.
- T06 CONDUIT SHALL BE ROUTED THROUGH CEILING SPACE OF APPARATUS BAY TO ALLOW FOR NETWORK CABLING TO ROUTE FROM PLAN WEST BUILDING TO PLAN EAST BUILDING. COORDINATE WITH ARCHITECTURAL, STRUCTURAL AND ALL SPECIAL EQUIPMENT (LIFT, BAY DOOR, ETC.) FOR EXACT ROUTING.
- T09 CONTRACTOR SHALL PROVIDE AND INSTALL A WALL MOUNTED PANEL FOR ROUTING OF CABLE. REFER TO ELEVATION VIEW 3 ON SHEET T111.
- REFER TO DETAIL TS-ACSP FOR ACS PANEL MOUNTING DETAILS.
- INCOMING CATV SERVICE SHALL DEMARC INTO CATV ROOM 122. ROUTE CONDUIT PATHWAY FROM EXTERIOR OF BUILDING INTO CATV ROOM 122.
- \mathcal{L} COORDINATE LOCATION AND PRECISE HEIGHT WITH SPRINKLER CONTROLLER AND LANDSCAPE CONTRACTOR.









Colorado 80631 970.350.9777 Architect/ Civil Engineer/ Structural Short Elliott Hendrickson, Inc. 2000 South Colorado Boulevard Tower One, Suite 6000 Denver, Colorado 80222 720.540.6800 Landscape Architect

<u>Owner</u> City of Greeley 1000 10th Street

DHM Design 900 South Broadway Denver, Colorado 80209 303.892.5566 Mechanical Engineer

The Ballard Group, Inc 2525 South Wadsworth Blvd, Suite 200 Lakewood, CO 80227 303.988.4514

Electrical Engineer CMO Consulting Eng 11646 Sun Bear Trail Golden, CO 80403 303.875.4037



STATION FIRE

GRI

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH. Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in

SEH Project Checked By Drawn By

55519038

10/18/2019

BCER

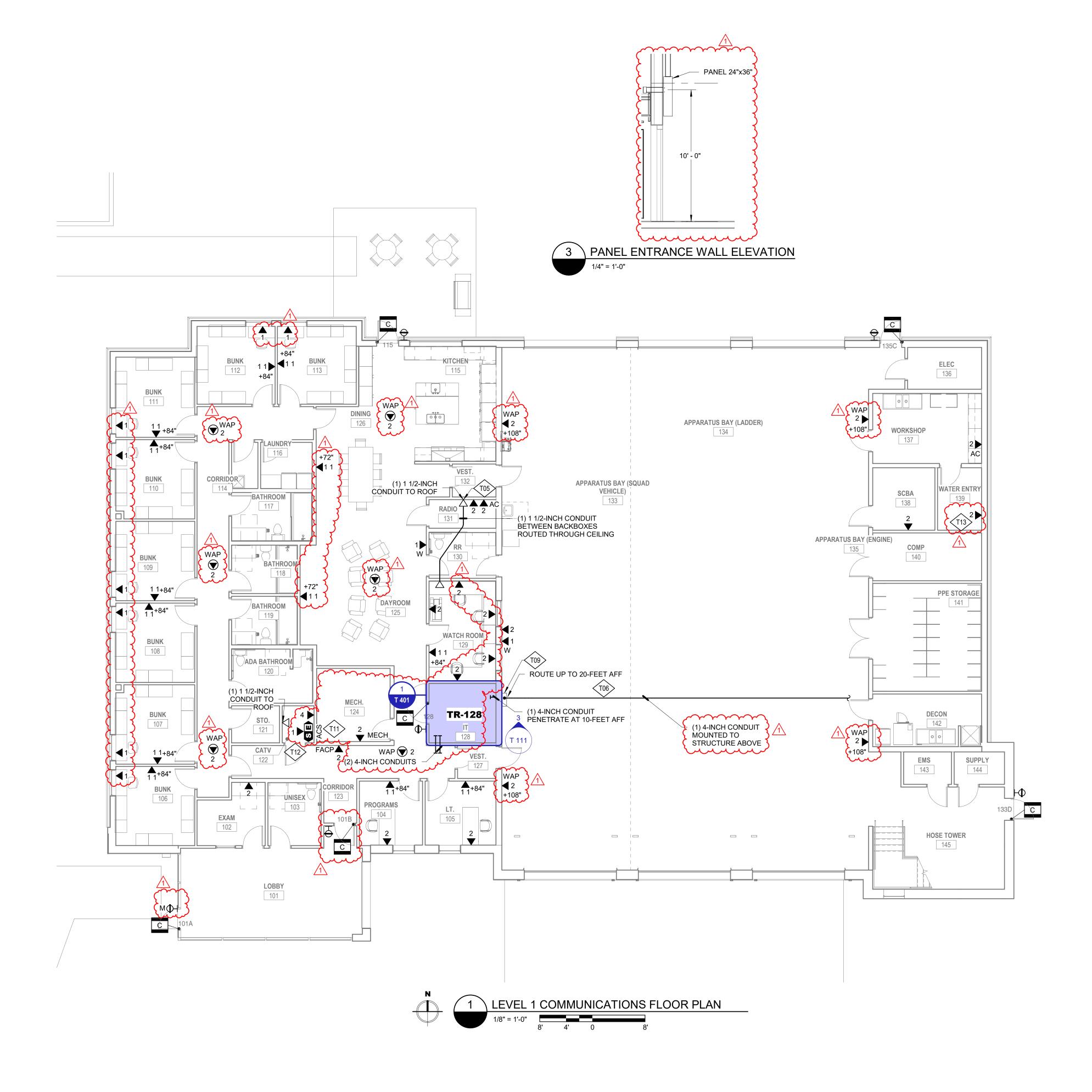
BCER

connection with the project is not be construed as publication in derogation of any of the rights of SEH.

Project Status 100% DESIGN

ADDENDUM 02

COMMUNICATIONS FLOOR PLANS





Owner
City of Greeley
1000 10th Street Gree
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway

Denver, Colorado 80209

303.892.5566

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037



GREELEY FIRE STATION #2

2301 Reservo

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

BCER

BCER

10/18/2019

SEH Project Checked By Drawn By

100% DESIGN

Revision Issue
ev. # Description D

ADDENDUM 02 10/

ENLARGED TELECOM ROOM

Architect/ Civil Engineer/ Structural Short Elliott Hendrickson, Inc. 2000 South Colorado Boulevard Tower One, Suite 6000 Denver, Colorado 80222 720.540.6800 Landscape Architect DHM Design 900 South Broadway Denver, Colorado 80209 303.892.5566

Mechanical Engineer The Ballard Group, Inc 2525 South Wadsworth Blvd, Suite 200 Lakewood, CO 80227 303.988.4514

Electrical Engineer CMO Consulting Eng 11646 Sun Bear Trail Golden, CO 80403 303.875.4037



STATION #2 FIRE GREEL

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH. Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

> 55519038 BCER

BCER

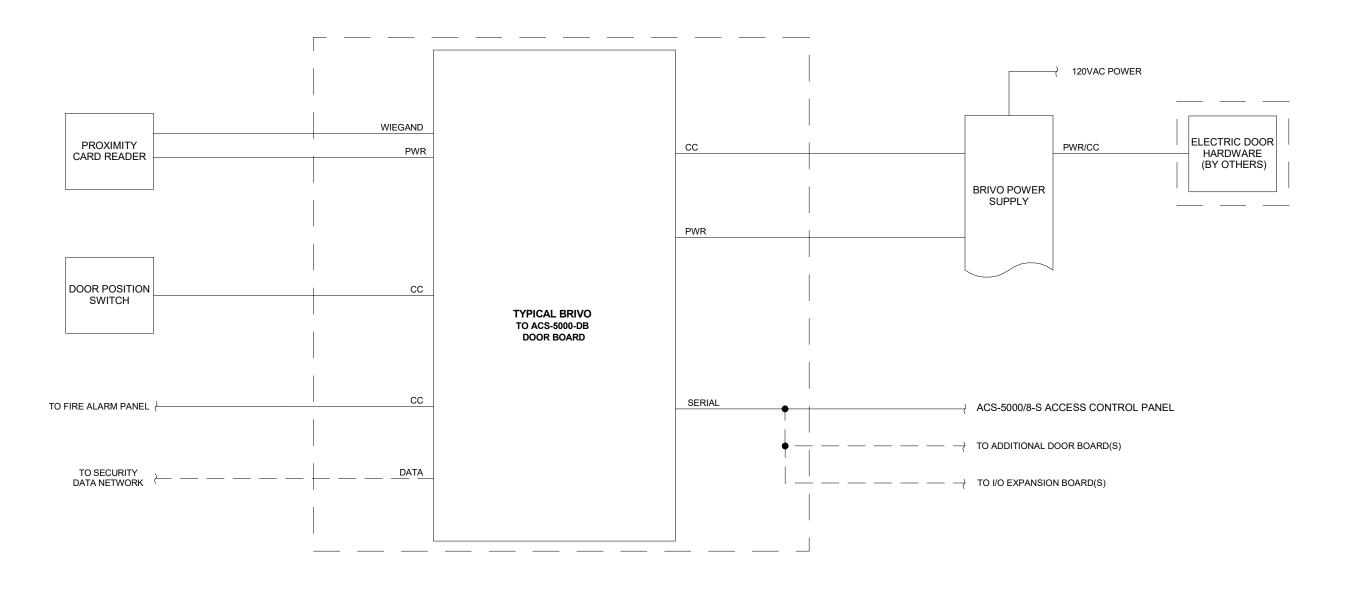
Issue Date

10/18/2019

SEH Project Checked By Drawn By

Project Status 100% DESIGN

COMMUNICATIONS ONE-LINE DIAGRAMS





Owner
City of Greeley
1000 10th Street Greel
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209
303.892.5566

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037



LEY FIRE STATION #2

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

55519038 BCER

10/18/2019

BCER

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

SEH Project 5551

Checked By Drawn By

Project Status 100% DESIGN

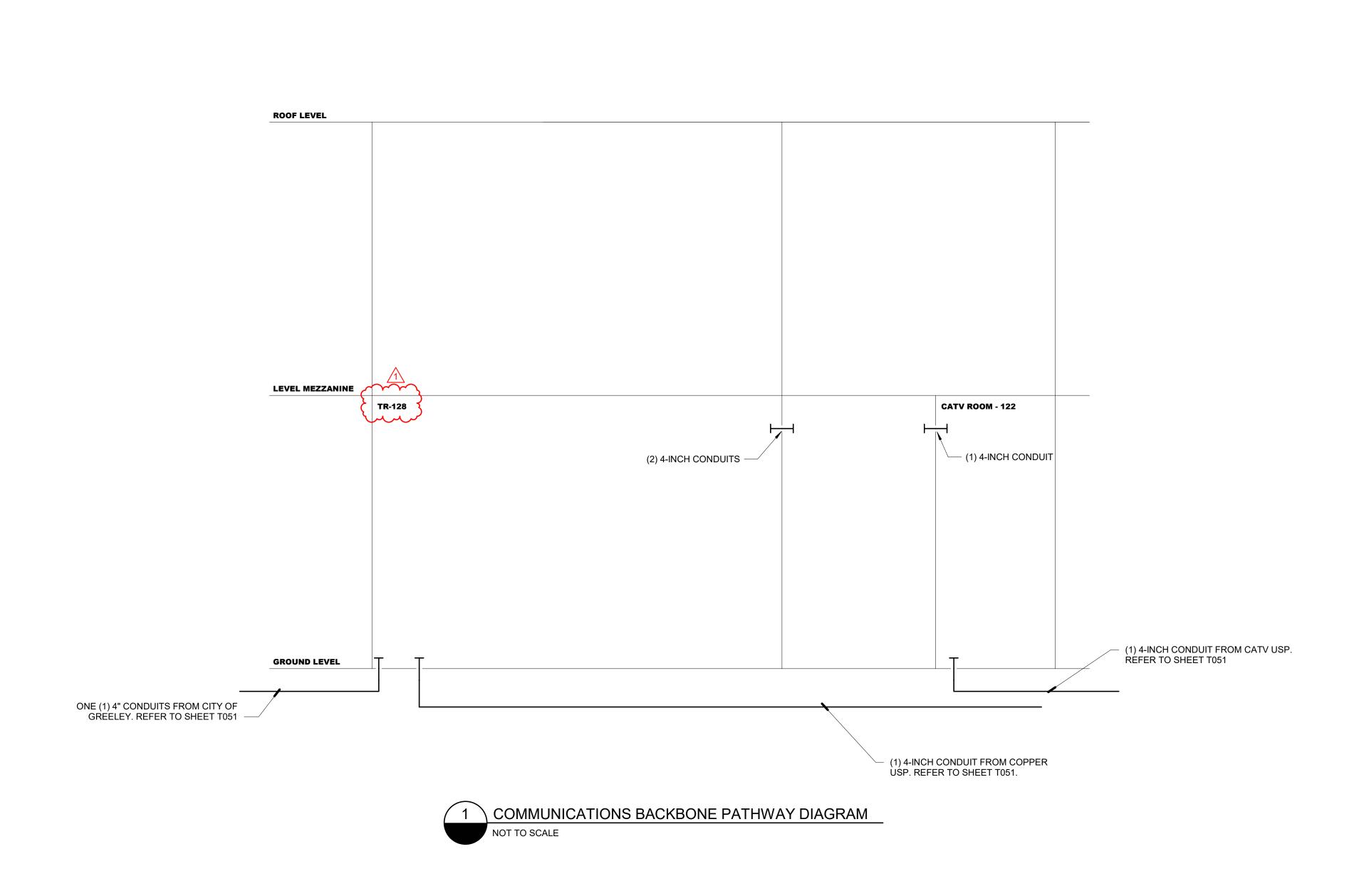
Revision Iss

Rev. # Description

1 ADDENDUM 02

COMMUNICATIONS BACKBONE PATHWAY DIAGRAM

502



manne ma

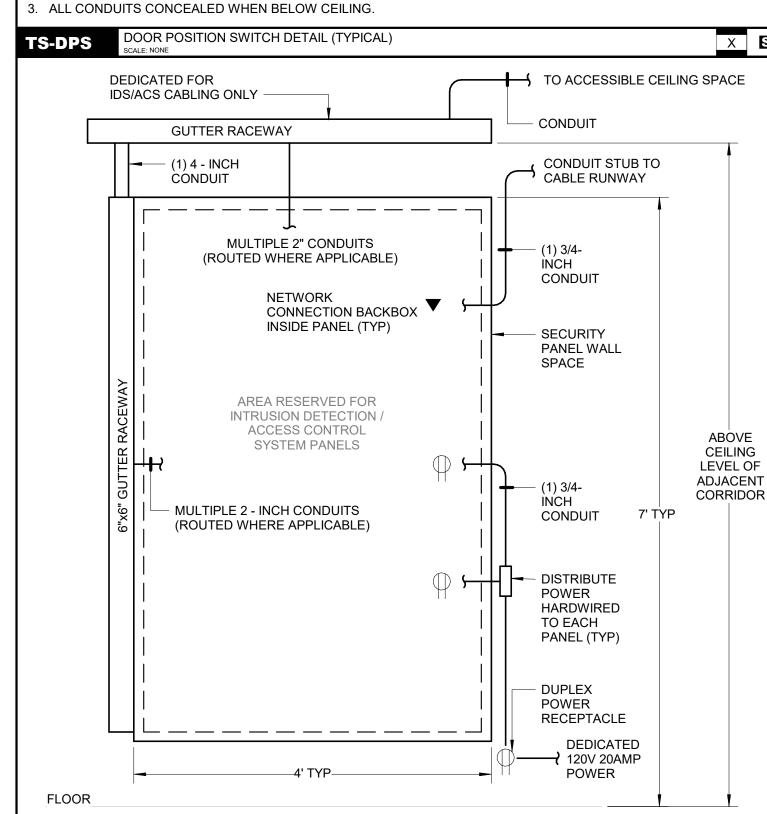
DETAIL DRAWING NOTES (

- DOOR POSITION SWITCH MOUNTING: PROVIDE DEVICE MOUNTING REQUIREMENTS PER MANUFACTURER RECOMMENDATIONS.
- DOOR POSITION SWITCH CONDUIT: REFER TO TELECOM / DATA AND ELECTRICAL REQUIREMENTS FOR CONTINUATION OF CONDUIT.

LOCK SIDE

THE DOOR (TYPICAL)

—6" TO CENTER-



DETAIL GENERAL NOTES

- COORDINATE POWER REQUIREMENTS WITH OWNER AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- B. COORDINATE CONDUIT REQUIREMENTS WITH OWNER AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. REFER TO RISER DIAGRAM FOR FURTHER INFORMATION.
- C. ELECTRICAL CONTRACTOR SHALL SIZE GUTTER RACEWAY AS REQUIRED TO ACCOMMODATE CONDUIT REQUIREMENTS. GUTTER SHALL BE A MINIMUM OF 6-INCHES DEPTH.
- D. CONDUIT SIZE AND QUANTITY VARY. REFER TO ELECTRICAL RISER DIAGRAM AND ENLARGED TELECOM ROOM PLANS FOR ADDITIONAL CONDUIT REQUIREMENTS.
- E. COORDINATE SECURITY NETWORK CONNECTIONS TERMINATED INSIDE PANEL WITH TELECOM CONTRACTOR INTRUSION DETECTION / ACCESS CONTROL SYSTEM PANEL DETAIL

CEILING ALS, AP,WM **6** ├S • ├S •)· ├**∑** · S · TE 7 AE 7 +82" TMGB/TGB S,VC KP,L,M D,L CA,CV 120"108" 96" 90" 84" (2)

COMMON WORK/ COMMUNICATIONS AUDIOVISUAL

ELECTRICAL

MOUNTING HEIGHT DETAIL

DETAIL GENERAL NOTES

- A. SOME ITEMS ON DIAGRAM MAY NOT BE DEFINED, OR MAY NOT BE USED IN THESE DOCUMENTS.
- B. DIAGRAM INDICATES TYPICAL CENTERLINE MOUNTING HEIGHTS ABOVE FINISHED FLOOR, UON. ARCHITECTURAL DRAWINGS SHALL SUPERSEDE INFORMATION SHOWN HEREIN. COORDINATE FINAL MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGHIN.
- C. ITEMS INDICATED ON TECHNOLOGY AND OTHER DIVISIONS DOCUMENTS AT SAME VICINITY/LOCATION WITH DIFFERENT HEIGHTS SHALL BE ALIGNED VERTICALLY ALONG THE SAME SIDE OF STUD. ITEMS INDICATED ON TECHNOLOGY AND OTHER DIVISIONS DOCUMENTS AT SAME VICINITY/LOCATION WITH SAME HEIGHT SHALL BE ALIGNED
- HORIZONTALLY AND OFFSET BY ONE STUD SPACE D. ITEMS INDICATED ABOVE A DOOR, SHALL BE CENTERED ALONG WIDTH OF DOOR.
- E. ITEMS INDICATED ABOVE COUNTER SHALL MATCH MOUNTING INFORMATION INDICATED WITHIN ELECTRICAL DOCUMENTS. IF ELECTRICAL DOCUMENTS DO NOT PROVIDE SUCH MOUNTING

INFORMATION, ITEMS SHALL BE MOUNTED 8 INCHES

ABOVE COUNTER OR 4 INCHES ABOVE BACKSPLASH F. MOUNTING HEIGHTS OF ITEMS. WHETHER INDICATED ON THIS DIAGRAM OR NOT, SHALL COMPLY WITH ADA.

DETAIL DRAWING...

- 1. STANDARD RECEPTACLE HEIGHT, REFER TO ELECTRICAL DOCUMENTS. HEIGHT SHALL BE +18-INCHES IF NOT INDICATED ON ELECTRICAL DOCUMENTS.
- 2. STANDARD TOGGLE SWITCH HEIGHT, REFER TO ELECTRICAL DOCUMENTS. HEIGHT SHALL BE +48-INCHES IF NOT INDICATED ON ELECTRICAL DOCUMENTS.
- 3. EXTERIOR WALL CAMERA LOCATIONS. HEIGHTS MAY VARY DUE TO CONSTRUCTION CONDITIONS. FIELD COORDINATE HEIGHTS WITH STRUCTURAL ELEMENT SUCH AS EXTERIOR FINISHES, LEDGES, BRICK COURSES AND OVERHANGS. COORDINATE HEIGHTS WITH ARCHITECT AND OWNER PRIOR TO
- ROUGH-IN. 4. EXTERIOR POLE CAMERA LOCATIONS. HEIGHTS MAY VARY DUE TO CONSTRUCTION CONDITIONS. FIELD COORDINATE HEIGHTS WITH POLE MANUFACTURER. COORDINATE HEIGHTS WITH ARCHITECT AND OWNER PRIOR TO
- 5. HEIGHT AFF TO BOTTOM OF SINGLE OR LOWER TIER CABLE RUNWAY, UON.
- 6. HEIGHT AFF TO BOTTOM OF UPPER TIER CABLE RUNWAY, UON.
- 7. HEIGHT AFF TO TOP OF WALL MOUNTED EQUIPMENT, UON. 8. FOR VIDEO CONFERENCING, WHEN CAMERA NOT SPECIFIED TO BE MOUNTED TO BOTTOM OF DISPLAY, MOUNTED BELOW DISPLAY BUT NO LOWER THAN
- 9. MOUNTED 1-FOOT BELOW CEILING BUT NO HIGHER THAN 12-FEET, UON.
- 10. TYPICAL OF OTHER AV ANTENNA AND MICROPHONE WALL SYSTEM DEVICES. 11. TYPICAL OF OTHER AV WALL SYSTEM USER/OCCUPANT MANUAL
- INTERFACE/CONTROL DEVICES.

BOLLARD ON

UNSECURED

FLOOR

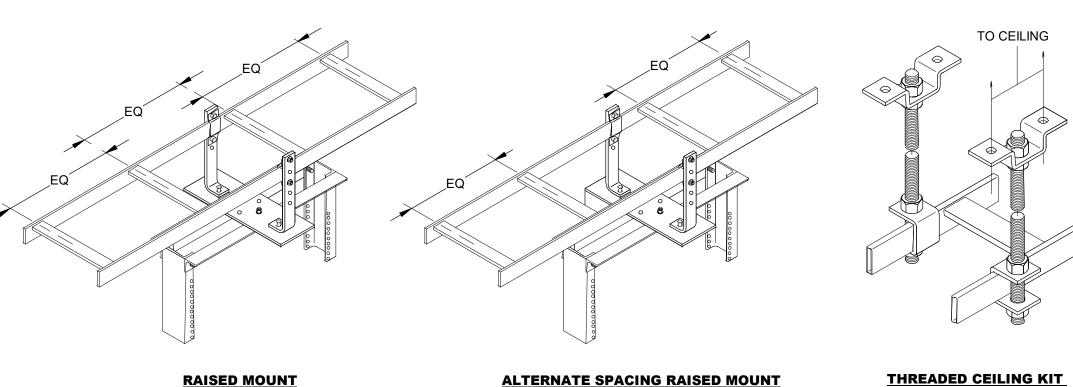
SIDE -

- 12. TYPICAL OF OTHER AV DISPLAY BOX, UON.
- 13. REFER TO ARCHITECTURAL AND ELECTRICAL DOCUMENTS FOR ABOVE-COUNTER RECEPTACLE HEIGHT AND ORIENTATION (VERTICAL OR HORIZONTAL).

ROUTE CONDUIT TO ACCESSIBLE CEILING SPACE ON SECURED SIDE TO CONSOLIDATION PS -----BOX OR REMOTE ACCESS CONTROL PANEL ______ CEILING 3/4-INCH TYPICAL OF DOOR CONDUIT, CONDUIT SIZE AND QUANTITY VARY (TYP) -TRIANGULAR SUPPORT **CABLE RUNWAY WALL ANGLE HEAVY DUTY SUPPORT KIT BRACKET** FOOT KIT **BUTT-SPLICE KIT** I GANG DEVICE CR KS HB CR HB DR CR EB MOUNTING —

INSTALLED OVER CABLE RUNWAY RUNGS **RADIUS DROP** BUTT-SPLICE KIT **JUNCTION-SPLICE KIT** (STANDARD)

SECURITY



DETAIL GENERAL NOTES

OTHERWISE IN PROJECT DOCUMENTS.

OTHERWISE IN PROJECT DOCUMENTS.

ABOVE GRAVEL SUBSTRATE)

SCHEDULES FOR HAND HOLE SIZE INFORMATION.

A. REFER TO PROJECT SITE PLAN AND/OR COMMON WORK / ELECTRICAL EQUIPMENT

B. POLYMER CONCRETE ASSEMBLY WITH STRAIGHT SIDE WALLS AND NO FLOOR.

C. ANSI/SCTE 77 2010 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY"

D. PROVIDE BOLT-ON COVER WITH INTEGRAL COVER HOOK AND SEAL TO PREVENT

E. COVER NAMEPLATE SHALL BE STANDARD "COMMUNICATIONS", UNLESS NOTED

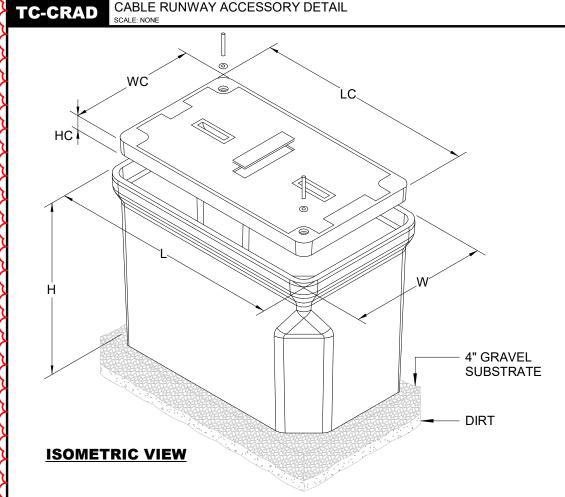
G. ACCEPTABLE MANUFACTURERS: NEWBASIS, QUAZITE. (SUBMIT SUBSTITUTION

REQUEST FOR ENGINEER APPROVAL OF ALTERNATE MANUFACTURER.)

F. OUTSIDE PLANT CONDUITS SHALL USE SWEEPING BENDS UP INTO THE HANDHOLE,

AND TERMINATE 6" ABOVE BOTTOM OF HANDHOLE WALL. (I.E. NO MORE THAN 6"

TIER 22 RATING (22,500 LBS TEST LOAD/15,000 LBS DESIGN LOAD), UNLESS NOTED

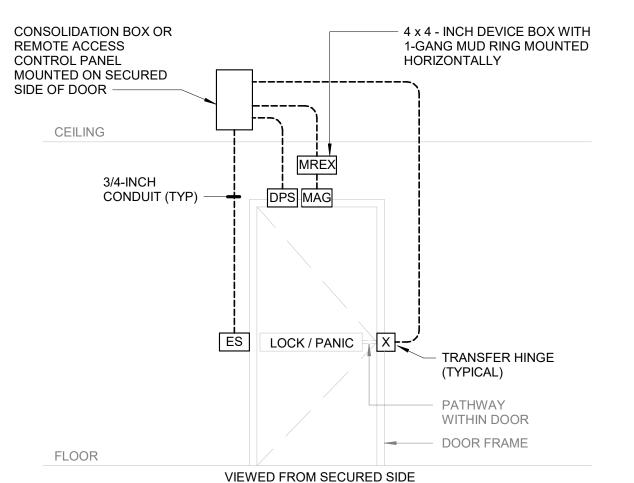


SMALL TELECOM HANDHOLE DETAIL

(2 SHOWN)

A. THIS DETAIL DEPICTS COMMON DEVICES ASSOCIATED WITH ACCESS CONTROLLED DOORS. NOT ALL DEVICES SHOWN ARE NECESSARY FOR INSTALLATION.

ALIGN HEIGHTS



UNSECURED

TYPICAL LAYOUT OF DEVICES ASSOCIATED TO ACCESS

CONTROLLED DOORS

TYPICAL ACCESS CONTROL SYSTEM SINGLE LEAF DOOR

DETAIL GENERAL NOTES

- A. REFER TO T-MH FOR DEVICE MOUNTING HEIGHT DETAILS.
- B. REFER TO TS-DPS FOR DOOR POSITION SWITCH MOUNTING DETAILS.
- C. REFER TO TS-SD FOR DEVICE MOUNTING DETAILS.
- D. DATA CONDUIT: REFER TO TELECOM / DATA REQUIREMENTS FOR CONTINUATION OF CONDUIT.
- E. DEVICE MOUNTING: PROVIDE DEVICE MOUNTING REQUIREMENTS PER MANUFACTURER RECOMMENDATIONS.
- F. CABLE ROUTING: REFER TO ONE-LINE DIAGRAMS FOR CABLE ROUTING REQUIREMENTS.
- G. DEVICE BOX AND ENCLOSURE MOUNTING: PROVIDE SECURED MOUNTING SUPPORT PER MOUNTING REQUIREMENTS INDICATED WITHIN ELECTRICAL DOCUMENTS.
- H. ALL CONDUITS CONCEALED IN WALL WHEN BELOW CEILING.

DOOR DETAILS

ADDENDUM 02

COMMUNICATIONS DETAILS

<u>Owner</u>

City of Greeley

Colorado 80631

970.350.9777

720.540.6800

DHM Design 900 South Broadway

303.892.5566

Landscape Architect

Denver, Colorado 80209

Mechanical Engineer

The Ballard Group, Inc

Lakewood, CO 80227 303.988.4514

Electrical Engineer

CMO Consulting Eng

Golden, CO 80403 303.875.4037

(7)

SEH Project

Checked By

Project Status

100% DESIGN

Drawn By

This drawing is an instrument of service and shall

remain the property of Short Elliott Hendrickson, Inc

(SEH). This drawing, concepts and ideas contained

retained without the express written approval of SEI

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in

connection with the project is not be construed as

publication in derogation of any of the rights of SEH.

55519038 BCER

10/18/2019

BCER

herein shall not be used, reproduced, revised, or

SIDE

VIEWED FROM SECURED SIDE

11646 Sun Bear Trail

2525 South Wadsworth Blvd, Suite 200

BCER PROJECT 55519038

1000 10th Street

Architect/ Civil Engineer/ Structural

Short Elliott Hendrickson, Inc.

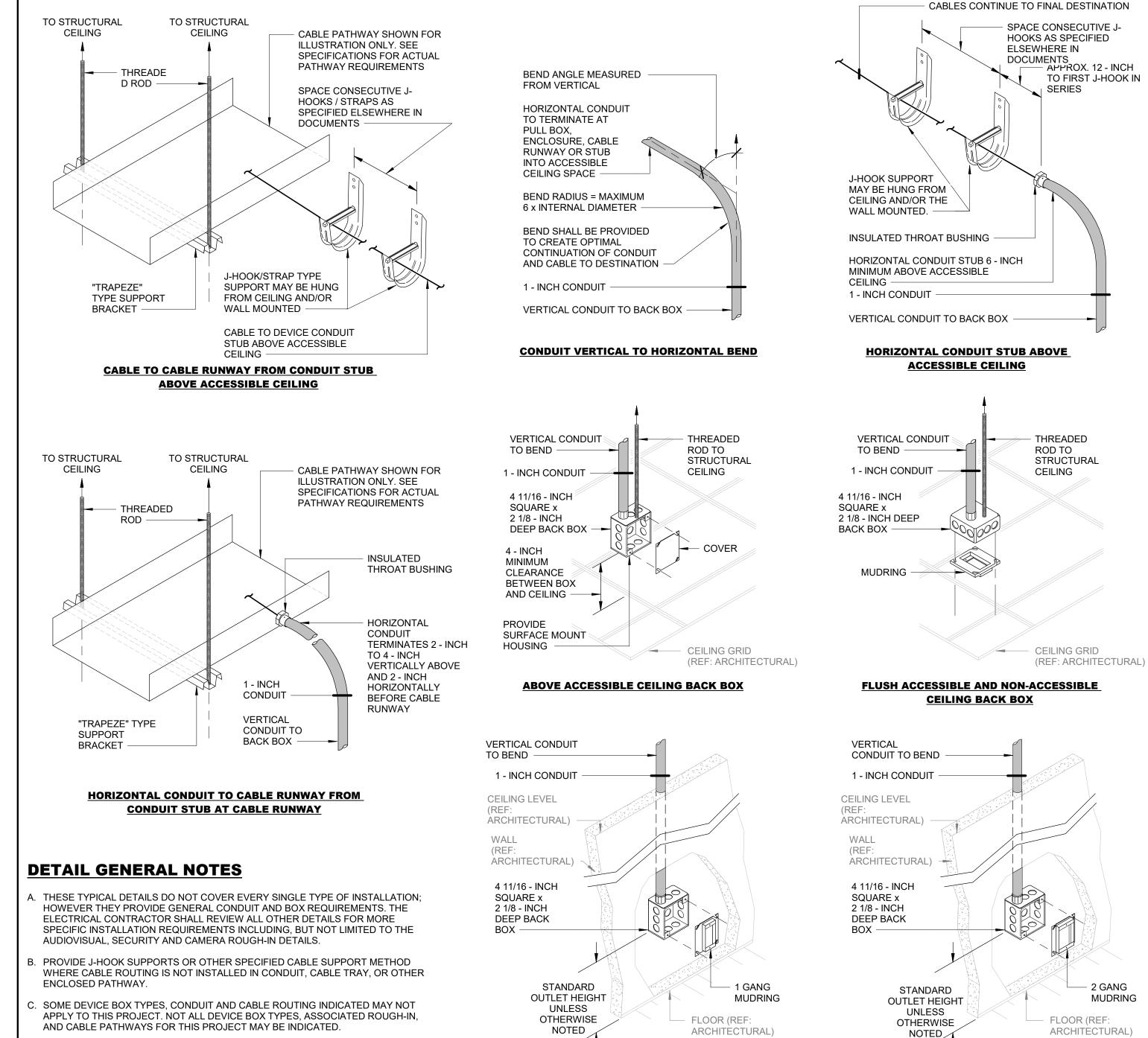
2000 South Colorado Boulevard Tower One, Suite 6000 Denver, Colorado 80222

FLOOR

HINGE SIDE

© Copyright BCER Engineering
ALL DRAWINGS, SPECIFICATIONS, AND OTHER WORK PRODUCT PREPARED BY BCER
ENGINEERING FOR THIS PROJECT ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF BOER ENGINEERING. BOER ENGINEERING SHALL RETAIN ALL COMMON LAW

STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO



WALL FLUSH BACK BOX 1 GANG

<u>Owner</u> City of Greeley 1000 10th Street Colorado 80631 970.350.9777

Architect/ Civil Engineer/ Structural Short Elliott Hendrickson, Inc. 2000 South Colorado Boulevard Tower One, Suite 6000 Denver, Colorado 80222 720.540.6800 Landscape Architect DHM Design 900 South Broadway Denver, Colorado 80209

Mechanical Engineer The Ballard Group, Inc 2525 South Wadsworth Blvd, Suite 200 Lakewood, CO 80227 303.988.4514

Electrical Engineer CMO Consulting Eng 11646 Sun Bear Trail Golden, CO 80403 303.875.4037

303.892.5566



ATION

S FIRE

GR This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH. Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in

publication in derogation of any of the rights of SEH. **SEH Project** 55519038 Checked By

BCER

BCER

10/18/2019

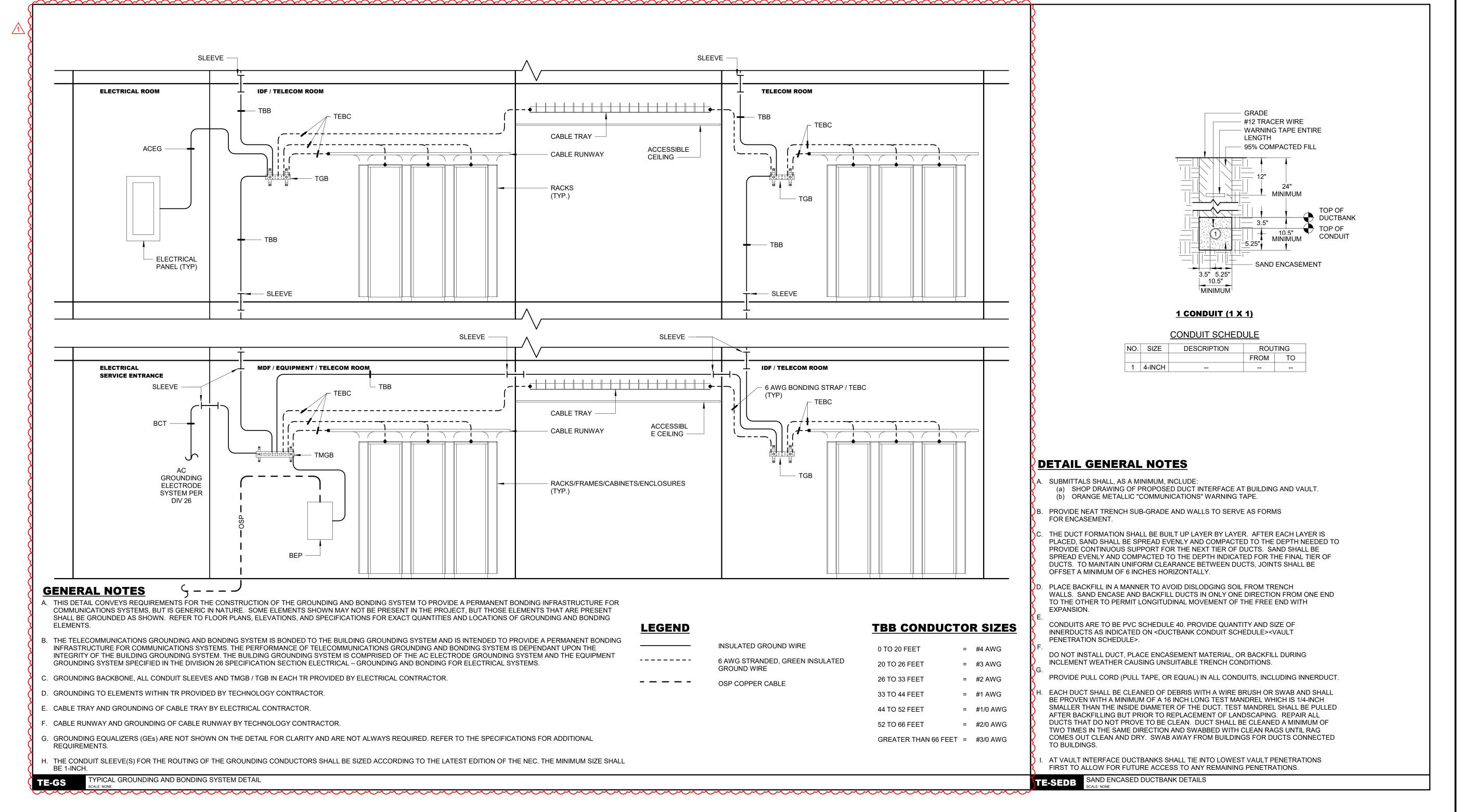
connection with the project is not be construed as

Drawn By **Project Status**

100% DESIGN

COMMUNICATIONS DETAILS

WALL FLUSH BACK BOX 2 GANG



SEH

Owner
City of Greeley
1000 10th Street Greele
Colorado 80631
970.350.9777

Architect/ Civil Engineer/ Structural
Short Elliott Hendrickson, Inc.
2000 South Colorado Boulevard
Tower One, Suite 6000
Denver, Colorado 80222
720.540.6800
Landscape Architect
DHM Design
900 South Broadway
Denver, Colorado 80209

Mechanical Engineer
The Ballard Group, Inc
2525 South Wadsworth Blvd, Suite 200
Lakewood, CO 80227
303.988.4514

Electrical Engineer
CMO Consulting Eng
11646 Sun Bear Trail
Golden, CO 80403
303.875.4037

303.892.5566



EY FIRE STATION #2

GR

2301 Reservoir Rd, Gree

This drawing is an instrument of service and shall remain the property of Short Elliott Hendrickson, Inc. (SEH). This drawing, concepts and ideas contained herein shall not be used, reproduced, revised, or retained without the express written approval of SEH.

Submission or distribution of this drawing to meet official or regulatory requirements or for purposes in connection with the project is not be construed as publication in derogation of any of the rights of SEH.

SEH Project Checked By Drawn By 55519038

BCER

BCER

10/18/2019

Project Status 100% DESIGN

Revision Issue

ADDENDUM 02

COMMUNICATIONS DETAILS