

# PERMIT & BID SET 07-25-2022

# CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3

### LOCATION MAP:



### PROJECT TEAM:

**OWNER:**  
SANTA FE COUNTY:  
PUBLIC WORKS DEPARTMENT, PROJECTS SECTION  
PHONE: (505) 795-2857;  
EMAIL: BHERRERA@SANTAFECOUNTYNM.GOV

**SECTION MANAGER:** BARBARA HERRERA  
PHONE: (505) 992-9863  
EMAIL: CTEMPLE@SANTAFECOUNTYNM.GOV

**ARCHITECT:**  
LLOYD & ASSOCIATES ARCHITECTS  
321 W SAN FRANCISCO ST, SUITE A  
SANTA FE, NM 87501  
**PROJECT MANAGER:** SHEB MIRANDO  
PHONE: 505.204.7164  
EMAIL: SHEB@LLOYD-ARCHITECTS.COM

#### STRUCTURAL ENGINEER:

LUCHINI TRUJILLO  
2019 GALISTEO ST STE D2  
SANTA FE, NM, 87505

**STRUCTURAL PROJECT CONTACT:** ANTONIO LUCHINI  
PHONE: 505-424-3232;  
EMAIL: TONY@LTSENG.COM

#### MECHANICAL AND PLUMBING ENGINEER:

BRIDGES & PAXTON CONSULTING ENGINEERS  
4600-C MONTGOMERY BLVD NE

**PLUMBING PROJECT CONTACT:** GARY M. CHIURAZZ  
PHONE: 480-375-8191; EMAIL: GMCHIURAZZ@BPCE.COM

**MECHANICAL PROJECT CONTACT:**  
PATRICK H. WATKINS, PE FPE, LEED AP  
PHONE: 505-889-4725;  
EMAIL: PHWATKINS@BPCE.COM

#### ELECTRICAL ENGINEER:

BRIDGES & PAXTON CONSULTING ENGINEERS  
4600-C MONTGOMERY BLVD NE

**ELECTRICAL PROJECT CONTACT:** JEFF S. METTLING, LEED AP  
PHONE: 505-883-4111; EMAIL: JSMETTLING@BPCE.COM

### APPROVED BY SANTA FE COUNTY:

**ANNA L. BRANSFORD** \_\_\_\_\_ DATE  
SENIOR SERVICES  
PROGRAM MANAGER

**JACKIE L. LINDSEY** \_\_\_\_\_ DATE  
FIRE CHIEF

**CURT E. TEMPLE** \_\_\_\_\_ DATE  
PROJECT MANAGER

**PHILLIP MONTANO** \_\_\_\_\_ DATE  
FACILITIES AND PROJECTS

### Sheet Index

Sheet Number	Sheet Title
<b>GENERAL</b>	
G001	PROJECT INFORMATION & GENERAL NOTES
G002	ABBREVIATIONS, & SYMBOLS
G003	EXITING PLAN
G004	GENERAL DETAILS
<b>CIVIL</b>	
SP-1	SITE PLAN
GR-1	GRADING AND DRAINAGE PLAN
GR-2	GRADING AND DRAINAGE PLAN
MU-1	MASTER UTILITY PLAN
<b>STRUCTURAL</b>	
S001	PLAN INDEX, LEGEND, ABBREVIATIONS
S002	OUTLINE SPECIFICATIONS
S003	OUTLINE SPECIFICATIONS
S004	TYPICAL DETAILS
S101	FOUNDATION PLAN
S201	DETAILS

Sheet Number	Sheet Title
<b>ARCHITECTURAL</b>	
A001	SITE PLAN
A002	SITE DETAILS
A003	SITE DETAILS
L001	LANDSCAPE PLAN
L002	IRRIGATION PLAN
A101	FLOOR PLAN
A102	ROOF PLAN
A111	REFLECTED CEILING PLAN
A201	ELEVATIONS
A301	SECTIONS
A302	WALL SECTIONS
A303	WALL SECTIONS
A401	ENLARGED BATHROOM DETAILS
A402	ENLARGED KITCHEN DETAILS
A403	CASEWORK DETAILS
A501	STOREFRONT AND DOOR ELEVATIONS & DETAILS
A502	DOOR DETAILS
A601	FINISH LEGEND, SCHEDULE & DETAILS

<b>MECHANICAL</b>	
M001	MECHANICAL LEGEND
MH101	HVAC PLAN
M501	MECHANICAL DETAILS
M701	MECHANICAL SCHEDULES

<b>PLUMBING</b>	
P001	PLUMBING SYMBOLS & ABBREVIATIONS
PL101	BELOW SLAB PLUMBING PLAN
PL102	PLUMBING WASTE & VENT PLAN
PP101	PLUMBING PRESSURE PIPING PLAN
P501	PLUMBING DETAILS
P502	PLUMBING DETAILS
P601	DOMESTIC WATER RISER DIAGRAM
P602	SANITARY, WASTE, & VENT RISER DIAGRAM
P701	PLUMBING SCHEDULES

<b>ELECTRICAL</b>	
E001	ELECTRICAL LEGEND
E002	TECHNOLOGY LEGEND
ES101	ELECTRICAL SITE PLAN
EL101	LIGHTING PLAN
EP101	POWER PLAN
EP131	ELECTRICAL ROOF PLAN
ET101	SPECIAL SYSTEMS PLAN
FA101	FIRE ALARM PLAN
E501	ELECTRICAL DETAILS
E502	ELECTRICAL DETAILS
E601	ELECTRICAL DIAGRAMS
E602	GROUNDING DIAGRAM
PV100	PV DIAGRAMS AND NOTES
PV101	SOLAR ARRAY LAYOUT
E701	ELECTRICAL SCHEDULES
E702	ELECTRICAL SCHEDULES

### APPLICABLE CODES AND REGULATIONS:

CHAPTER 5	Construction Industries General Provisions
NMAC 14.5.1	General Provisions
NMAC 14.5.2	Permits
NMAC 14.5.3	Inspections
NMAC 14.5.5	Fees
CHAPTER 6	Construction Industries Licensing
NMAC 14.6.2	Handyman Certificate
NMAC 14.6.3	Contractors' License Requirements
NMAC 14.6.4	Journeyman Certification
NMAC 14.6.6	Classifications and Scopes
NMAC 14.6.7	Modular Building Structures
CHAPTER 7	Building Codes General
NMAC 14.7.2	2015 New Mexico Commercial Building Code
NMAC 14.7.3	2015 New Mexico Residential Building Code
NMAC 14.7.4	2015 New Mexico Earthen Building Materials Construction Code (Phase III)
NMAC 14.7.5	2009 New Mexico Non-Load Bearing Baled Straw Construction Building Code (Phase III)
NMAC 14.7.6	2009 New Mexico Energy Conservation Code
NMAC 14.7.7	2015 New Mexico Existing Building Code
NMAC 14.7.8	2015 New Mexico Historic Earthen Buildings
NMAC 14.7.9	2018 New Mexico Commercial Energy Conservation Code
CHAPTER 8	Plumbing Codes
NMAC 14.8.2	2015 New Mexico Plumbing Code
NMAC 14.8.3	2012 New Mexico Swimming Pool, Spa and Hot Tub Code
CHAPTER 9	Mechanical Codes
NMAC 14.9.2	2015 New Mexico Mechanical Code
NMAC 14.9.4	Boilers
NMAC 14.9.5	Medical Gas Installation and Certification
NMAC 14.9.6	2012 New Mexico Solar Energy Code
CHAPTER 10	Electrical Codes
NMAC 14.10.4	2017 New Mexico Electrical Code
NMAC 14.10.5	2012 New Mexico Electrical Safety Code

### GENERAL NOTES:

**CONTRACTOR OBLIGATION:**  
THE GC SHALL ABIDE BY AND BE RESPONSIBLE FOR ALL REQUIREMENTS STATED IN THE AIA CONTRACT. GENERAL CONDITIONS, UNLESS NOTED OTHERWISE.

**GENERAL CONDITIONS:**  
THE GC SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, TOOLS, UTILITIES, INSURANCE, TRANSPORTATION, AND PAY FOR ALL REQUIRED TAXES, PERMITS, AND SERVICES REQUIRED TO COMPLETE THE ENTIRE SCOPE OF WORK, WHETHER TEMPORARY OR PERMANENT. ALL MATERIALS EXCEPT FOR TEMPORARY FORMS ARE TO BE NEW, UNUSED AND OF THE SPECIFIED QUANTITY. THE GC SHALL MAINTAIN THE PROJECT SITE IN A CLEAN AND ORDERLY FASHION. TOOLS AND EQUIPMENT SHALL BE SECURED, AND ALL DEBRIS SHALL BE REMOVED DAILY. THE GC SHALL MAINTAIN A VISITOR LOG. ALL VISITORS SHALL BE REQUIRED TO SIGN IN. GC TO SECURE PROJECT SITE FROM UNAUTHORIZED ENTRY AT ALL TIMES. COORDINATE LOCATION OF BARRICADES OR TEMPORARY FENCING WITH DOCUMENTS AND THE OWNER. THE GC SHALL PHOTOGRAPH THE PROJECT SITE AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK. PHOTOGRAPHS SHALL BE TAKEN OF THE PROGRESS OF THE WORK AT INTERVALS NO GREATER THAN 7 CALENDAR DAYS. PHOTOGRAPHS SHALL BE IN COLOR, AND IDENTIFIED WITH DATE AND TIME OF DAY. DELIVER COMPLETED PHOTOGRAPH FILE TO ARCHITECT UPON RECEIPT OF OCCUPANCY PERMIT. THE GC SHALL MAINTAIN ON SITE STAGING AREA AND SHALL KEEP THE APPROVED CONSTRUCTION DOCUMENTS, ALL LICENSING INFORMATION, VISITOR LOGS, PHOTOGRAPH FILE, AND AT LEAST ONE SET OF REPRODUCIBLE CONSTRUCTION DOCUMENTS, TO BE MARKED CURRENTLY WITH THE CONSTRUCTION, TO RECORD THE ACTUAL CONDITIONS OF THE CONSTRUCTION AND DEVICE INSTALLATIONS. DELIVER COMPLETED REPRODUCIBLE SET TO THE ARCHITECT UPON COMPLETION OF THE PROJECT. GC SHALL REMOVE AND DISPOSE OF ALL WASTE AND DEBRIS FROM PROJECT SITE IN A LEGAL MANNER.

**INTERPRETATION:**  
THE ARCHITECT IS SOLELY RESPONSIBLE FOR THE DESIGN INTERPRETATION OF THE CONSTRUCTION DOCUMENTS.

**DOCUMENT DISCREPANCIES:**  
WHENEVER THERE ARE DISCREPANCIES IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BASE HIS BID UPON THE BETTER QUALITY OR GREATER QUANTITY OF THE MATERIAL OR WORK DESCRIBED.

**SUBSTRATE PREPARATIONS:**  
ALL SUBSTRATES SHALL BE PROPERLY PREPARED BEFORE APPLICATION OF FINISHES. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR SUBSTRATE CONDITIONS WHERE FINISHES ARE APPLIED.

**DIMENSION STANDARDS:**  
DIMENSIONS ARE NOT ADJUSTABLE UNLESS NOTED WITH A +/- SYMBOL. ONLY NORMAL INDUSTRY STANDARD TOLERANCES ARE ACCEPTABLE DEVIATIONS FROM DIMENSION INDICATED. DO NOT SCALE DRAWINGS. ALL DIMENSIONS NOTED AS "CLEAR" SHALL MAINTAIN THE FULL SPACE INDICATED WITHOUT ENCROACHMENTS. ALL VERTICAL HEIGHTS INDICATED ARE FROM THE FINISH FLOOR ELEVATION AT THE BASE OF THE ITEM INDICATED, UNLESS NOTED OTHERWISE. WHERE WALLS, JAMBS, OR OTHER ITEMS ARE NOTED TO "ALIGN" THE FACE OF THE ITEMS INDICATED SHALL BE IN LINE WITH EACH OTHER TO FORM A STRAIGHT LINE. FREE OF OFFSETS OR DEVIATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. UNLESS OTHERWISE NOTED, DIMENSIONS ARE ACTUAL, NOT NOMINAL, AS FOLLOWS:  
• COLUMNS - FROM CENTER LINE TO CENTER LINE WHERE ± SYMBOL IS USED AND INDICATED. OTHERWISE TO FACE OF STEEL.  
• CONCRETE/MASONRY - FROM FINISH FACE OF BLOCK TO FINISH FACE OF BLOCK.  
• EXTERIOR WALLS - FROM FACE OF STUD TO FACE OF STUD.

**BUILDING SYSTEMS:**  
THE GC SHALL COORDINATE THE LOCATION AND INSTALLATION OF ALL BUILDING SYSTEMS AND EQUIPMENT. THE GC SHALL COORDINATE ALL BUILDING TRADES TO ASSURE ALL REQUIRED CLEARANCES FOR OPERATION AND MAINTENANCE OF ALL EQUIPMENT AND SYSTEMS AS REQUIRED BY CODE. THESE DOCUMENTS, OR MANUFACTURER'S RECOMMENDATIONS ARE MET OR EXCEEDED. LACK OF SPECIFIC DETAILS SHALL NOT BE AN EXCUSE FOR IMPROPER INSTALLATION OF ANY MATERIAL, DEVICE, OR SYSTEM, WHERE DETAILS ARE NOT PROVIDED, THE GC SHALL REFER TO THE PRINTED MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION GUIDELINES. ALL INSTALLED SYSTEMS AND DEVICES ARE TO OPERATE QUIETLY AND WITHOUT EXCESSIVE VIBRATION. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING SYSTEMS: MECHANICAL, ELECTRICAL, LIGHTING, PLUMBING, AND TELEPHONE EQUIPMENT.

**CLEARANCES:**  
THE CONTRACTOR SHALL COORDINATE WITH ALL BUILDING TRADES INVOLVED IN THE PROJECT FOR PREPARATION OF COMPOSITE SHOP DRAWINGS FOR EACH FLOOR TO INSURE PROPER CLEARANCES FOR FIXTURES, DUCTS, CEILINGS, ETC, WHILE MAINTAINING THE SPECIFIED CEILING HEIGHTS NOTED ON THE DRAWINGS. CLARIFY ANY CONFLICTS WITH ARCHITECT.

**LOCATIONS:**  
ELECTRICAL PANELS, TELEPHONE EQUIPMENT, FIRE EXTINGUISHERS, FIRE PULLS, LIGHTS/HORN, SMOKE DETECTORS, THERMOSTATS, ETC, SHALL BE LOCATED IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING AGENCIES. ANY LOCATION NOT SPECIFICALLY SHOWN SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH-OUT AND INSTALLATION. UNLESS OTHERWISE NOTED, THE ABOVE PANELS AND/OR EQUIPMENT SHALL BE FULLY RECESSED & SHALL MAINTAIN THE INTEGRITY OF WALL FIRE RATING REQUIREMENTS.

**GOVERNING AGENCIES:**  
THE GC AND ALL OF HIS FORCES SHALL COMPLY WITH ALL REGULATIONS BY ANY GOVERNING AGENCY WITH JURISDICTION OVER THE PROJECT OR PROJECT SITE.

**PERMITS/INSPECTIONS:**  
UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK. THE PROJECT IS ON SOVEREIGN NATION PROPERTY AND DOES NOT REQUIRE A BUILDING PERMIT OR SECONDARY PERMITS. THE CONTRACTOR SHALL COMPLY WITH AND GIVE NOTICES REQUIRED BY LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL OBTAIN A USE AND OCCUPANCY PERMIT AS REQUIRED FROM THE GOVERNING CODES. SUBMIT ONE COPY OF THE PERMIT TO THE OWNER WITH FINAL APPLICATION OF PAYMENT. THE CONTRACTOR SHALL COMPLY WITH SAFETY & OSHA INSPECTIONS WHEN THEY OCCUR. CONTRACTOR SHALL BE INSPECTED BY ARCHITECT, AND ALL OTHER OWNERS REPRESENTATIVES FOR COMPLIANCE WITH PLANS & SPECIFICATIONS.

**DRAWING SCALE:**  
THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS.

**FIELD CONDITIONS:**  
THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY EXISTING FIELD CONDITIONS AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ACTIVITIES. THIS INCLUDES THE EXISTING BUILDINGS, THE EXISTING SITE AND THE EXISTING UTILITIES; ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AT ONCE. NO ALLOWANCE WILL BE MADE ON BEHALF OF THE CONTRACTOR OR SUBCONTRACTOR FOR FAILURE TO VISIT THE SITE.

**CONSTRUCTION MEANS AND PROCEDURES:**  
THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF WORK UNDER THE CONTRACT. UNLESS CONTRACT DOCUMENTS GIVE OTHER SPECIFIC INSTRUCTIONS CONCERNING THESE MATTERS, ANY WORK THAT MUST BE REMOVED OR RELOCATED DUE TO LACK OF COORDINATION OF THE TRADES IS SOLELY THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL MAINTAIN A SECURE SITE THROUGHOUT THE CONSTRUCTION PROCESS.

**PENETRATIONS:**  
PENETRATIONS OF PIPES, TUBES, CONDUIT, WIRES, CABLES, DUCTS, VENTS, CABINETS, LIGHTING, AND OTHER FIXTURES THROUGH FIRE RATED ASSEMBLIES SHALL BE INSTALLED AND PROTECTED TO MAINTAIN FIRE RATING.

**TOXIC MATERIAL:**  
IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC MATERIAL, WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED, SEAL OFF THE PERIMETER, AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. NO NEW

BUILDING MATERIAL SHALL CONTAIN ASBESTOS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC MATERIAL AS DEFINED BY STATE AND FEDERAL REGULATORY AGENCIES.

**PROTECTION OF EXISTING TO REMAIN:**  
THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR CARPET, FURNISHINGS, AND FINISHES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK OR ANY SUBCONTRACTOR.

**SCHEDULING:**  
THE CONTRACTOR SHALL MEET WITH THE OWNER'S AUTHORIZED REPRESENTATIVE WELL IN ADVANCE OF CONSTRUCTION COMMENCEMENT TO:  
• SCHEDULE, SEQUENCE AND COORDINATE ALL WORK  
• SEE SPECIFICATIONS FOR ADDITIONAL SCHEDULING REQUIREMENTS  
• MAINTAIN EXITS AND EGRESS WIDTHS REQUIRED BY CODES DURING ALL PHASES OF CONSTRUCTION

**CLEARANCES:**  
THE CONTRACTOR SHALL VERIFY THAT NEW CEILINGS CAN BE INSTALLED IN EXISTING SPACES TO CLEAR DUCTWORK AND OTHER CONSTRUCTED ITEMS AND MAINTAIN FLOOR TO CEILING HEIGHTS INDICATED ON DRAWINGS. IF DISCREPANCIES OCCUR DUE TO EXISTING CONDITIONS, CONSULT WITH THE ARCHITECT BEFORE PROCEEDING.

**MATERIAL ALIGNMENT:**  
THE FINISH FACE OF MATERIAL OF NEW PARTITIONS SHALL ALIGN ON BOTH SIDES OF THE PARTITION WITH THE FACE OF THE MATERIALS ON EXISTING COLUMNS, WALLS, OR PARTITIONS, UNLESS NOTED OTHERWISE.

**AS BUILT VERIFICATION:**  
THE CONTRACTOR SHALL VERIFY DIMENSIONS OF AS-BUILT CONDITIONS, AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES. ALL INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS IS BASED ON FIELD OBSERVATIONS AND/OR THE ORIGINAL CONSTRUCTION DOCUMENTS OF THE FACILITY.

**REMOVAL SURVEY:**  
THE CONTRACTOR SHALL SURVEY AND DETERMINE THE REMOVAL OF EXISTING CONSTRUCTION, EITHER WHOLE OR IN PART, AS REQUIRED FOR THE INSTALLATION OF THE NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK.

**CONSTRUCTION DEFECTS:**  
THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY CONSTRUCTION DEFECTS FOUND IN UNCOVERING WORK IN THE EXISTING CONSTRUCTION.

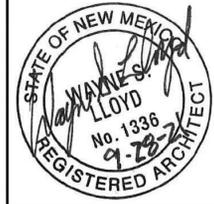
**CORRECTING DEFECTIVE WORK:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING DEFECTIVE WORK IN EXISTING CONSTRUCTION WITHIN THE LIMITS OF THE CONSTRUCTION AREA. THIS INCLUDES, BUT IS NOT LIMITED TO, UNEVEN SURFACES AND FINISHES AT PLASTER OR GYPSUM BOARD. THE CONTRACTOR SHALL PATCH AND REPAIR SURFACES TO MATCH NEW ADJACENT SURFACES.

**PIPING:**  
ALL PIPING ABOVE GRADE AND INSIDE THE BUILDING REQUIRED BY THE CONSTRUCTION DOCUMENTS SHALL BE INSTALLED IN AREAS WHERE IT WILL BE CONCEALED. THE CONTRACTOR SHALL CONSULT WITH THE ARCHITECT AND COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISH AREAS.

**FIXTURE REMOVAL:**  
REMOVE MECHANICAL AND ELECTRICAL FIXTURES AND CAP OR REMOVE EXISTING BRANCH LINES AS INDICATED IN THE MECHANICAL AND ELECTRICAL DOCUMENTS.

**COORDINATION:**  
COORDINATE PLANS FOR NEW CONSTRUCTION W/ DEMOLITION PLANS FOR EXTENT OF REMOVAL. REMOVE ONLY THOSE PORTIONS OF WALLS, FLOORS, CEILINGS, ETC., NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.

**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS

NO.	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-

Drawn by: **RL/KL**

Checked by: **SM**

Date: **07-25-2022**

Sheet Title:

**PROJECT INFORMATION & GENERAL NOTES**

Job Number: **2022-24**

Sheet No.

G001

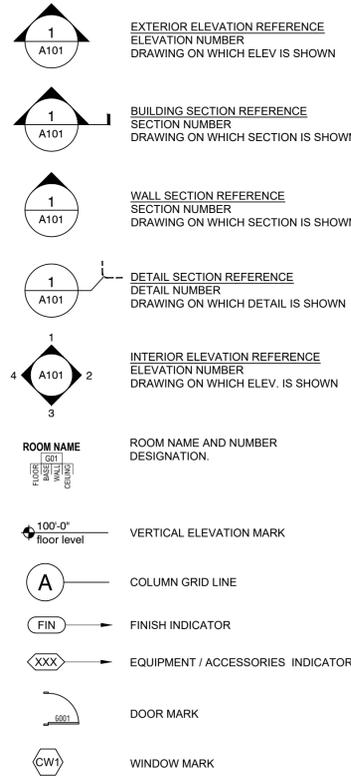
PERMIT & BID SET  
07-25-2022

PLOT DATE: Jul 25, 2022, 4:38pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\_SHEET\2009\_G001.dwg

# ABBREVIATIONS

AB ANCHOR BOLT	E(E) EAST/EXISTING	KIT KITCHEN	R RADIUS/RISER	VAR VARIES
ACT ACOUSTICAL TILE	EA EACH	LAB LABORATORY	RA RETURN AIR	VNR VENEER
ADJ ADJACENT/ ADJUSTABLE	EIFS EXTERIOR INSULATION FINISH SYSTEM	LAM LAMINATE	RB RUBBER BASE	VCT VINYL COMPOSITION TILE
AFF ABOVE FINISHED FLOOR	EJ EXPANSION JOINT	LAV LAVATORY	RBR RUBBER	VERT VERTICAL
AFG ABOVE FINISHED GRADE	EL REFERENCE ELEVATION	LBS POUNDS	RCP REFLECTED CEILING PLAN	VEST VESTIBULE
AHU AIR HANDLING UNIT	ELEC ELECTRIC/ELECTRICAL	LF LINEAR FEET	RDG ROOF DRAIN	VIF VERIFY IN FIELD
ALUM ALUMINUM	ELEV ELEVATOR/ELEVATION	LH LEFT HAND	RDG INS RIGID INSULATION	VTR VENT THROUGH ROOF
ANOD ANODIZED	EMERG EMERGENCY	LLH LONG LEG HORIZONTAL	REBAR REINFORCED STEEL BAR	VWC VINYL WALL COVERING
ALT ALTERNATE NO.	ENCL ENCLOSURE	LLV LONG LEG VERTICAL	RECES RECESSED	W WEST/WIDTH
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE	ENGR ENGINEER/ENGINEERING	LPT LOW POINT	RE/REF REFERENCE	W/ WITH
APPROX APPROXIMATELY	EOS EDGE OF SLAB	LT LIGHT	REFR REFRIGERATOR	WBL WOOD BLOCKING
APVD APPROVED	EPDM ETHYLENE PROPYLENE DIENE MONOMER	LTG LIGHTING	REINF REINFORCED/REINFORCEMENT	WC WATER CLOSET/WALL COVERING
ARCH ARCHITECT	EQ EQUAL	LVR LOUVER	REQ'D REQUIRED	WD WOOD
ASSY ASSEMBLY	EQL SP EQUALLY SPACED	MAINT MAINTENANCE	REV REVISION	WDW WINDOW
AUTO AUTOMATIC/ AUTOMATION	EQUIP EQUIPMENT	MAS MASONRY	RH RIGHT HAND	WF WIDE FLANGE
AVG AVERAGE	EST ESTIMATE	MATL MATERIAL	RL ROOF LEADER	WGL WIRED GLASS
AWI AMERICAN WOODWORKING INSTITUTE	ETC ET CETERA	MAX MAXIMUM	RLG RAILING	WH WATER HEATER/WEEP HOLE
AWT ACCOUSTICAL WALL TREATMENT	EW EACH WAY	MECH MECHANICAL	RM ROOM	W/O WITHOUT
B/B BACK TO BACK	EWC ELECTRIC WATER COOLER	MED MEDIUM	RO ROUGH OPENING	WP WATERPROOFING/WORKING POINT
BD BOARD	EXIST EXISTING	MEMB MEMBRANE	ROW RIGHT OF WAY	WR WATER RESISTANT
BLDG BUILDING	EXP EXPOSED	MFG MANUFACTURING	RP REFERENCE POINT	WT WEIGHT
BLKG BLOCKING	EXPAN EXPANSION	MFR MANUFACTURER	RTG RATING	WWF WELDED WIRE FABRIC
BLST BALLAST	EXT EXTERIOR/EXTERNAL	MIN MINIMUM	RTU ROOF TOP UNIT	YD YARD/YARDS
BM BEAM/BENCH MARK	F / F FACE TO FACE	MISC MISCELLANEOUS	RVL REVEAL	# MISCELLANEOUS NUMBER/POUNDS
BOS BOTTOM OF STEEL	FA FIRE ALARM	ML METAL LATH	S SOUTH	& AND
BOT BOTTOM	FACP FIRE ALARM CONTROL PANEL	MO MASONRY OPENING	SALV SALVAGE	@ AT/EACH/RATE
BRG BEARING	FD FLOOR DRAIN	MOD BIT MODIFIED BITUMEN	SB SPLASH BLOCK	' FEET/MINUTES
BSMT BASEMENT	FDTN FOUNDATION	MR MOISTURE RESISTANT	SCWD SOLID CORE WOOD DOOR	" INCHES/SECONDS
BTWN BETWEEN	FDV FIRE DEPARTMENT VALVE CABINET	MS MOP SINK	SCHED SCHEDULE/SCHEDULED	° DEGREES
BUR BUILT UP ROOFING	FE FIRE EXTINGUISHER	MTD MOUNTED	SCHEM SCHEMATIC	∅ DIAMETER
CB CATCH BASIN	FEC FIRE EXTINGUISHER CABINET	MTL METAL	SEC SECOND	2 ANGLE
CBB CEMENTITIOUS BACKER BOARD	F F EL FINISHED FLOOR ELEVATION	MULL MULLION	SECT SECTION	
C/C CENTER TO CENTER	FF INSUL FOIL BACKED INSULATION	N NORTH	SGL SINGLE	
CAB CABINET	FIN GR FINISHED GRADE	N/A NOT APPLICABLE	SHT SHEET	
CB CATCH BASIN	(FH) FULL HEIGHT	NCOMBL NONCOMBUSTIBLE	SHT MTL SHEET METAL FLASHING	
CEM CEMENT	FH FIRE HYDRANT	NEG NEGATIVE	SHTG SHEATHING	
CEM PLAS CEMENT PLASTER	FHC FIRE HOSE CABINET	NIC NOT IN CONTACT	SIM SIMILAR	
CER CERAMIC	FIN FINISH	NO NUMBER	SLNT SEALANT	
CF CUBIC FOOT/FEET	FIXT FIXTURE	NOM NOMINAL	SM SURFACE MOUNTED/SMALL SHEET METAL	
CFCI CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	FL FLOW LINE	NTS NOT TO SCALE	SMACNA SHEET METAL AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION	
CFOI CONTRACTOR FURNISHED/OWNER INSTALLED	FLR FLOOR/FLOORING		SPLY SUPPLY	
CFLG COUNTER FLASHING	FLUOR FLUORESCENT	OA OVERALL	SPEC SPECIFICATION(S)	
CF/MF COLD FORMED METAL FRAMING	FND FOUNDATION	OC ON CENTER	SPRT SUPPORT	
CG CORNER GUARD	FR FOOT/FEET	OD OUTSIDE DIAMETER	SO SQUARE	
CIP CAST IN PLACE	FT FRAME/FIRE RATED/FIRE RETARTANT	OF OUTSIDE FACE	SST STAINLESS STEEL	
CJ CONTROL JOINT/ CONSTRUCTION JOINT	FTG FOOTING	OF/CI OWNER FURNISHED / CONTRACTOR INSTALLED	STC SOUND TRANSMISSION CLASS	
CL CENTERLINE	FURG FURRING	OFF OFFICE	STD STANDARD	
CLG CEILING	FURN FURNISH	OF/OI OWNER FURNISHED / OWNER INSTALLED	STL STEEL	
CLO CLOSET	FUT FUTURE	OH OPPOSITE HAND/ OVERHEAD/OVERHANG	STL JST STEEL JOIST	
CLR CLEAR	FVC FIRE VALVE CABINET	O/O OUT TO OUT	STOR STORAGE	
CLT CLEAT	GA GAGE	OPNG OPENING	STRUCT STRUCTURAL	
CMU CONCRETE MASONRY UNIT	GAL GALLONS	OPP OPPOSITE	SURF SURFACE	
CO CLEAN OUT	GALV GALVANIZED	ORD OVERFLOW ROOF DRAIN	SUSP SUSPENDED	
COL COLUMN	GYP BD GYPSUM BOARD	ORIG ORIGINAL	SYMM SYMMETRICAL	
CONC CONCRETE	GYP SHTG GYPSUM SHEATHING BOARD.	ORN ORNAMENTAL	T TREAD	
COND CONDITION	GC GENERAL CONTRACTOR	ORS OVERFLOW ROOF SCUPPER	T & B TOP AND BOTTOM	
CONCND CONDITION	GEN GENERAL/GENERATOR	PTN PARTITION	T&G TONGUE AND GROOVE	
CONST CONSTRUCTION	GI GALVANIZED IRON	PAT PATTERN	TBD TO BE DETERMINED	
CONT CONTINUE/CONTINUATION OR CONTINUOUS	GL GLASS	PBD PARTICLE BOARD	TEL TELEPHONE	
CONTR CONTRACTOR	GLZ GLAZING	PCC PRECAST CONCRETE	TEMP TEMPERATURE/TEMPORARY	
COORD COORDINATE	GND GROUND	PERF PERFORATED	TERR TERRAZZO	
COP COPING	HC HANDICAPPED ACCESSIBLE / HOLLOW CORE	PERM PERMANENT	THK THICK	
CORR CORRIDOR	HD HEAD	PL PLATE/PROPERTY LINE	THRES THRESHOLD	
CPT CARPET	HDW HARDWARE	PLAM PLASTIC LAMINATE	THRU THROUGH	
CSK COUNTER SUNK	HDWD HARDWOOD	PLAS PLASTER/PLASTIC	TMPD GL TEMPERED GLASS	
CT CERAMIC TILE	HM HOLLOW METAL	PLBG PLUMBING	TO TOP OF	
CTR CENTER	HT HEIGHT	PLYWD PLYWOOD	TOJ TOP OF JOIST	
CU FT CUBIC FOOT/FEET	HORIZ HORIZONTAL	POL POLISHED	TOC TOP OF CONCRETE/TOP OF CURB	
CW COLD WATER	HP HIGH POINT/HORSEPOWER	PNL PANEL	TOM TOP OF MASONRY	
CY CUBIC YARDS	HVAC HEATING VENTILATION AND AIR CONDITIONING	PT PAINT	TOP TOP OF PARAPET	
D DEPTH/DEEP	HWH HOT WATER HEATER	PR PAIR	TOS TOP OF STEEL/TOP OF SLAB	
DBL DOUBLE	HW HOT WATER	PREFAB PREFABRICATED	TOW TOP OF WALL	
DEMO DEMOLITION	ID INSIDE DIAMETER	PREFIN PREFINISHED	TRTD TREATED	
DET DETAIL	ID INTERIOR DESIGN	PRELIM PRELIMINARY	TS TUBE STEEL	
DF DRINKING FOUNTAIN	INV EL INVERT ELEVATION	PREP PREPARATION	TYP TYPICAL	
DEL DELETE	IF INSIDE FACE	PROJ PROJECT	UBC UNIFORM BUILDING CODE	
DETN DETENTION	IN INCHES	PT CONC POST TENSION CONCRETE	UC UNDERCUT	
DIA DIAMETER	INCAND INCANDESCENT	PTD PAINTED	UL UNDERWRITER'S LABORATORIES	
DIAG DIAGONAL	INCL INCLUDING	PVC POLYVINYL CHLORIDE	UNFIN UNFINISHED	
DIM DIMENSION	INSTL INSTALL	PVMT PAVEMENT	UON UNLESS OTHERWISE NOTED	
DISP DISPENSER	INSUL INSULATE/INSULATION	QT QUARRY TILE	UR URINAL	
DMPF DAMPPROOFING	INT INTERIOR/INTERNAL	QTY QUANTITY	UTIL UTILITY	
DN DOWN	INV INVERT			
DR DOOR/DRAIN	JAN JANITOR			
DS DOWNSPOUT	J BOX JUNCTION BOX			
DTL DETAIL	JAN CLO JANITOR CLOSET			
DWG DRAWING	JT JOINT			

# GRAPHIC SYMBOLS



**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		
---	---	---
-	-	-
-	-	-
-	-	-
-	-	-

Drawn by: **RL/KL**  
 Checked by: **SM**

Date: **07-25-2022**

Sheet Title:  
**ABBREVIATIONS, & SYMBOLS**

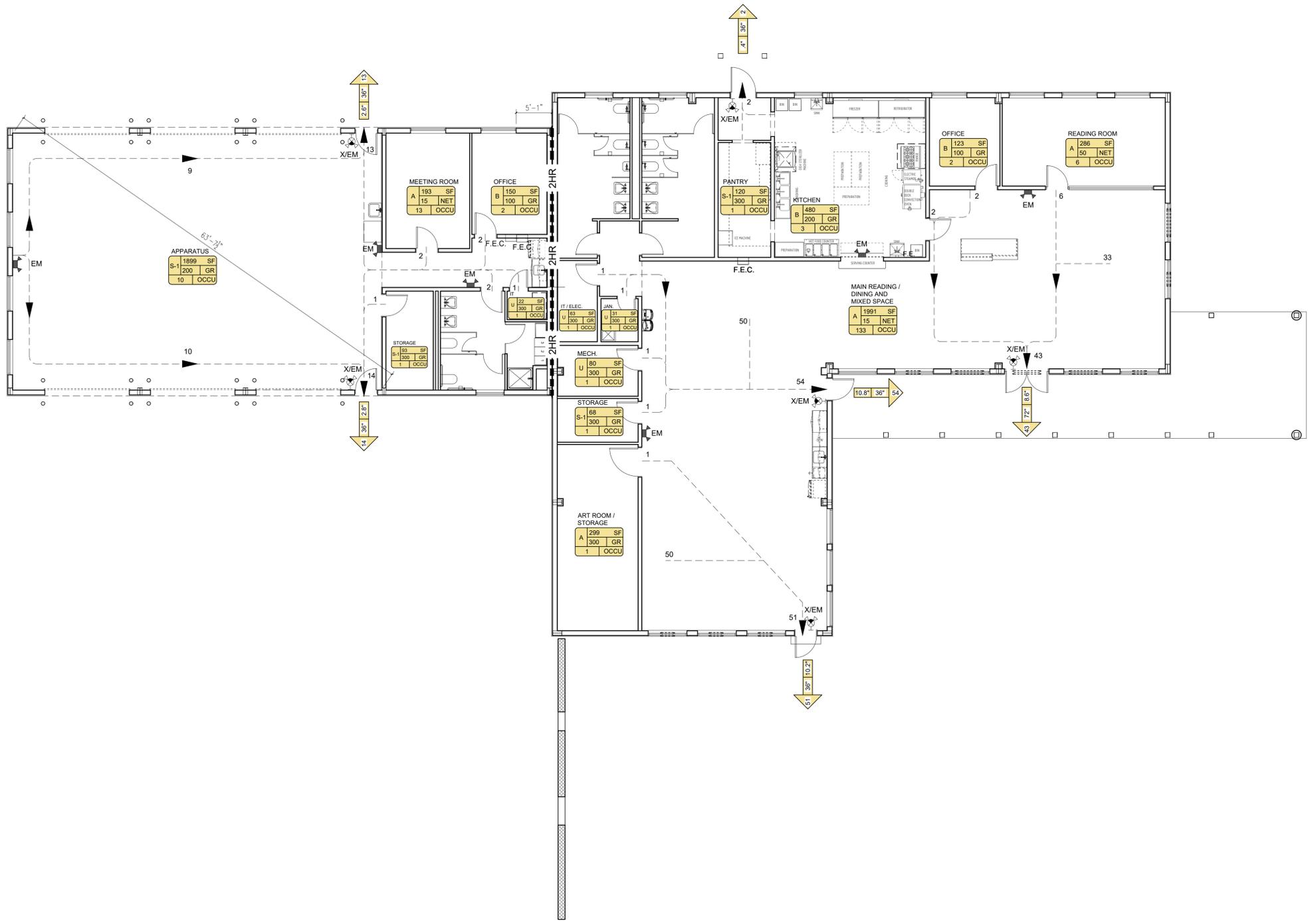
Job Number: **2022-24**

Sheet No.

**PERMIT & BID SET**  
**07-25-2022**

G002

PLOT DATE: Jul 25, 2022, 4:38pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_G003.dwg



**A1 EXITING PLAN**

**PERMIT & BID SET**  
 07-25-2022

**APPLICABLE CODES:**

- 2015 INTERNATIONAL BUILDING CODE
- 2009 INTERNATIONAL EXISTING BUILDING CODE
- 2012 UNIFORM PLUMBING CODE
- 2012 UNIFORM MECHANICAL CODE
- 2014 NATIONAL ELECTRIC CODE
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE
- 2003 INTERNATIONAL FUEL GAS CODE
- 2009 INTERNATIONAL FUEL GAS CODE
- 2003 ICC/ANSI A117.1 ACCESSIBILITY CODE
- CITY OF RIO RANCHO CODE OF ORDINANCES, TITLE XV, LAND USAGE:
  - CHAPTER 151 BUILDING CODE
  - CHAPTER 152 FLOOD AND EROSION CONTROL
  - CHAPTER 153 STORM DRAINAGE REQUIREMENTS
- CITY OF RIO RANCHO DEVELOPMENT PROCESS MANUAL
- RESIDENTIAL AND COMMERCIAL COLLECTION ORDINANCE CHAPTER 50, SECTION 7
- SOUTHERN SANDOVAL COUNTY ARROYO FLOOD CONTROL AUTHORITY (SSCAFC) DRAINAGE POLICY
- STATE OF NEW MEXICO ENVIRONMENTAL DEPARTMENT
- STATE OF NEW MEXICO ENGINEER'S OFFICE

**FIRE PROTECTION GENERAL NOTES:**

- A. THIS BUILDING WILL BE EQUIPPED WITH AUTOMATIC SMOKE DETECTION SYSTEM, IBC SECTION 903.2.2
- B. SHOP DRAWINGS WILL BE SUBMITTED TO THE FIRE MARSHALL'S OFFICE FOR REVIEW AND APPROVAL OF ANY FIRE ALARM SYSTEM OR ANY OTHER FIRE RELATED SYSTEM.
- C. PORTABLE FIRE EXTINGUISHERS HAVE BEEN LOCATED ACCORDING TO IBC SECTION 906. SEE ANALYSIS BELOW FOR SIZE AND TYPE OF EXTINGUISHERS.
- D. EMERGENCY LIGHTING SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL.
- E. OWNER'S EQUIPMENT SHOWN FOR REFERENCE ONLY.
- F. SEE SHEET G-004 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS.
- G. DUCT SMOKE DETECTION TO BE PROVIDED IN ACCORDANCE WITH IFC 907.3.1.

**BUILDING DATA (PER IBC 2015):**

**CONSTRUCTION TYPE:**  
 IBC 602: TYPE II-B, UNPROTECTED NON-COMBUSTIBLE

**OCCUPANCY TYPE:**  
 IBC 304: FIRE STATION; S-1 WITH ACCESSORY OCCUPANCY SENIOR CENTER; A-3 WITH ACCESSORY B OCCUPANCY AND COMMERCIAL KITCHEN

**BUILDING HEIGHT:**  
 IBC T504.3: ALLOWABLE HEIGHT 40 FT.  
 ACTUAL HEIGHT: 19 FT.

**BUILDING AREA:**  
 MIXED OCCUPANCY, ONE STORY BUILDING: (EQUATION 5-1)  $A_a = A_t + (N_s \times I_f)$   
 $A_t = \text{IBC T506.2: } 38,000 \text{ SF / STORY}$   
 $N_s = \text{IBC T506.2: } 9,500 \text{ SF / STORY}$   
 $I_f = (\text{Equation 5-5}): [I_f - 0.25] W/30 = [885/885 - 0.25] \times 30/30 = 0.75$   
 $F = 885'$   
 $P = 885'$   
 $W = 30'$

THEFORE:  
 $A_a = 38,000 + (9,500 \times 0.75) = 38,000 + (7,125) = 45,125 \text{ SF}$   
 ALLOWABLE AREA: 45,125 GSF AT GRADE  
 ACTUAL AREA: 7,464 GSF AT GRADE

OCCUPANT LOAD PER IBC TABLE 1004.1.2:  
 DESIGN OCCUPANT LOAD BASED ON TABLE 1004.1.2 FOR EGRESS REQUIREMENTS CONSISTENT WITH THE REQUIREMENTS FOR MULTIPLE USE SPACES ADDRESSED IN SECTION 302.1

TOTAL OCCUPANT LOAD: 177 (FIRE STATION OCC.: 27, SENIOR CENTER OCC.: 150)

\* ACCESSORY OCCUPANCIES - SECTION 508.2.3  
 AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE FLOOR AREA ON THE STORY IN WHICH THEY ARE LOCATED.

NUMBER OF EGRESS REQUIREMENTS SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY OF THAT SPACE.

STAIR WIDTH (SECTION 1005.3.1) 0.3" PER OCCUPANT  
 EGRESS WIDTH (SECTION 1005.3.2) 0.2" PER OCCUPANT

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2 WITHOUT SPRINKLER SYSTEM: 200 FT.  
 MIN. CORRIDOR WIDTH PER TABLE 1020.2 44" MIN.

DEAD END CORRIDOR PER IBC 1020.4 DEAD END CORRIDOR SHALL NOT EXCEED 20'-0" (A)

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9)  
 MONITORED AUTOMATIC FIRE ALARM SYSTEM

FIRE EXTINGUISHERS (IBC CH. 906, TABLE 906.3 (1))  
 SINGLE EXTINGUISHER RATING: REQUIRED: 2-A SPECIFIED: 4A-80BC  
 MAX. FLOOR AREA PER UNIT OF A: 3000 SF (LIGHT HAZARD OCCUPANCY)  
 MAX. FLOOR AREA FOR EXTINGUISHER: 11,250 SF  
 MAX. TRAVEL DISTANCE TO EXTINGUISHER: 75'

REQUIRED NUMBER OF EXTINGUISHERS:  
 TOTAL FLOOR AREA 6,252.94 SF / 11,250 SF = 2 EXTINGUISHERS  
 PROVIDED NUMBER OF EXTINGUISHERS: 4 EXTINGUISHERS AT <75' TRAVEL DISTANCE.

**LEGEND:**

- ROOM NAME
- ROOM AREA
- LOAD FACTOR
- USE
- NUMBER OF OCCUPANTS
- REQUIRED WIDTH
- OCCUPANT DISCHARGE
- WIDTH PROVIDED
- X/EM EXIT SIGN AND EMERGENCY LIGHT
- EM EMERGENCY LIGHT
- F.E.C. RECESSED MOUNT FIRE EXTINGUISHER CABINET.
- F.E. SURFACE MOUNTED FIRE EXTINGUISHER

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		

Drawn by: **RL/KL**  
 Checked by: **SM**

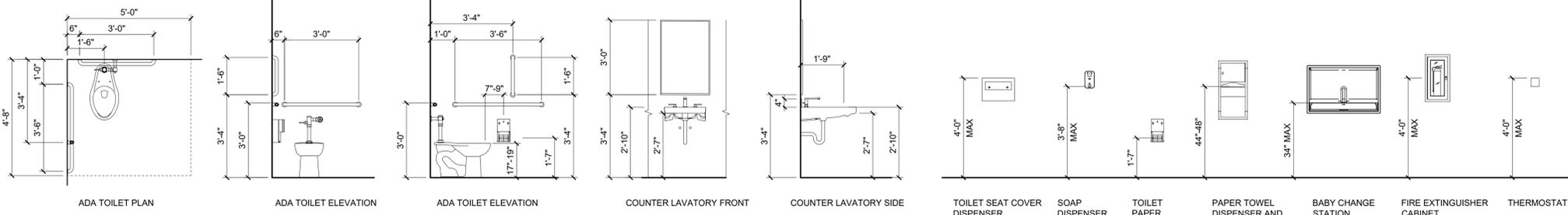
Date: **07-25-2022**

Sheet Title:  
**EXITING PLAN**

Job Number: **2022-24**

Sheet No.

**G003**

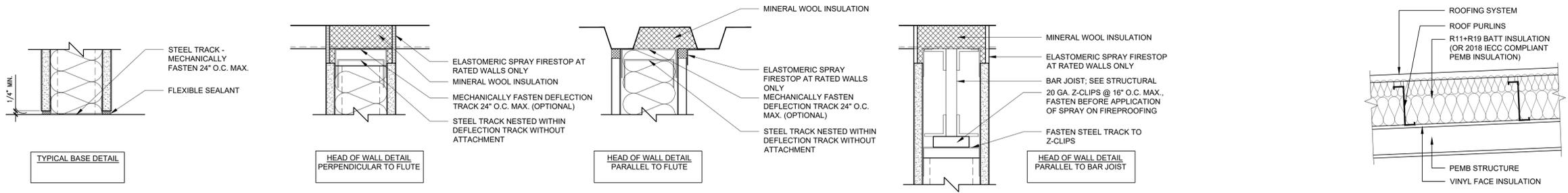


**GENERAL NOTES:**

- A. PROVIDE MOISTURE RESISTANT GYPSUM BOARD BEHIND ALL WET WALLS.
- B. PROVIDE TILE BACKER BOARD WHERE CERAMIC TILE IS INDICATED.

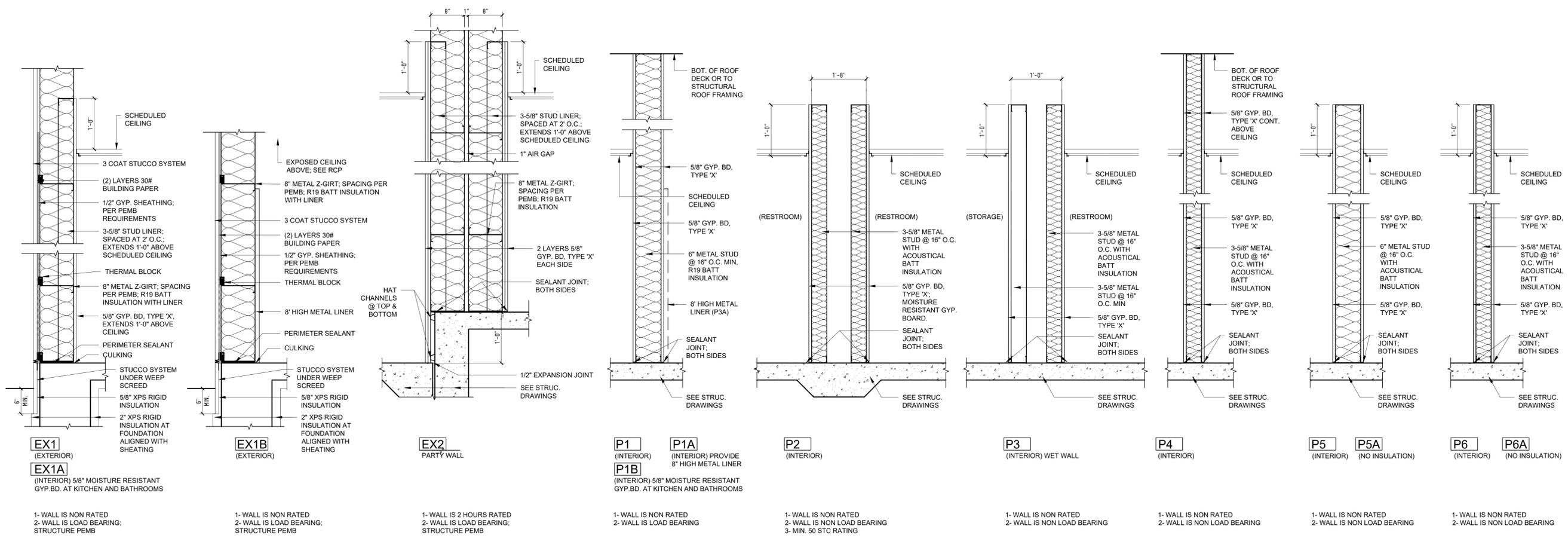
**PERMIT & BID SET**  
07-25-2022

**E1 STANDARD ADA DETAILS**



**C1 PARTITION HEADER AND SILL DETAILS**

**C5 TYPICAL ROOFING SYSTEM**



**A1 PARTITION TYPES**

**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1105  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status: **PERMIT & BID**

REVISIONS		
---	---	---
---	---	---
---	---	---

Drawn by: **RL/KL**  
Checked by: **SM**

Date: **07-25-2022**

Sheet Title: **GENERAL DETAILS**

Job Number: **2022-24**

Sheet No.

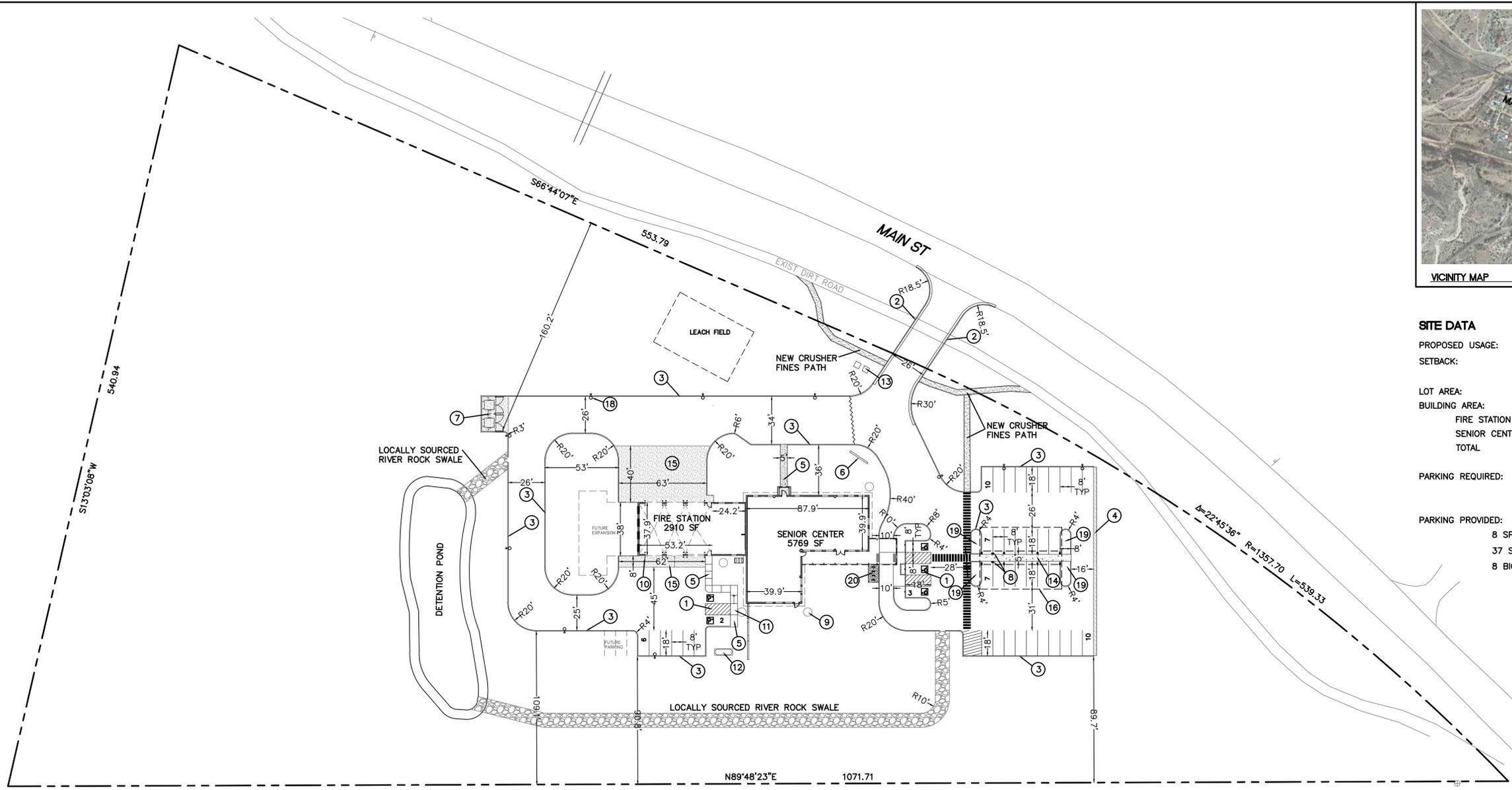
**G004**

PLOT DATE: Jul 25, 2022, 4:38pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_G004.dwg



**SITE DATA**

PROPOSED USAGE:	PUBLIC/INSTITUTIONAL
SETBACK:	10' FRONT 5' BACK
LOT AREA:	7.37 ACRES
BUILDING AREA:	FIRE STATION 2910 SF SENIOR CENTER 5769 SF TOTAL 8679 SF
PARKING REQUIRED:	1/250 SF OF NET USABLE AREA 23 SPACES PLUS 5 EMPLOYEES=25 SPACES
PARKING PROVIDED:	8 SPACES FOR FIRE STATION (INCLUDES 2 ACCESSIBLE SPACES) 37 SENIOR CENTER (INCLUDES 3 ACCESSIBLE SPACES) 8 BICYCLE SPACES

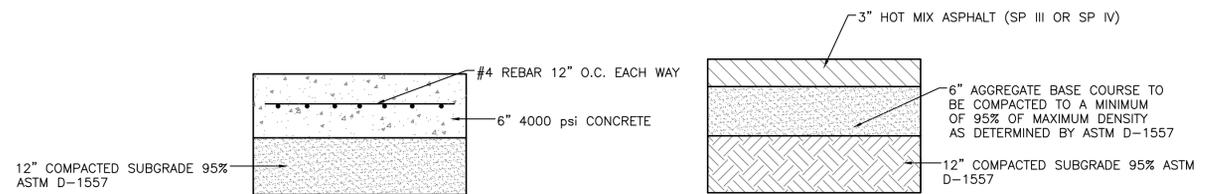


**LEGEND**

- CURB & GUTTER
- HEADER CURB
- BOUNDARY LINE
- BUILDING
- SIDEWALK
- SITE LIGHTING

**KEYED NOTES**

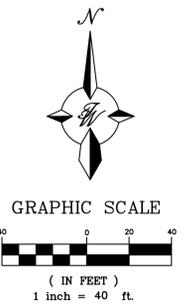
- ① ACCESSIBLE PARKING W/SIGN PER ADA STANDARDS (1.0% MIN - 2.0% MAX SLOPE) SEE DETAIL 5 SHEET DET-1
- ② 6" CURB AND GUTTER
- ③ 6" HEADER CURB
- ④ CONC. MEOW CURB; COORDINATE LEVEL TRANSITION WITH ADJACENT GRADES
- ⑤ 5' CONCRETE SIDEWALK
- ⑥ MONUMENT SIGN
- ⑦ DUMPSTER ON CONCRETE SLAB W/SCREEN WALL SEE ARCHITECTURAL DRAWING
- ⑧ ELECTRICAL CAR CHANGING STATIONS; SEE ELECTRICAL DWGS
- ⑨ ABOVE GROUND CISTERN (TYP)
- ⑩ BOLLARDS (TYP)
- ⑪ ACCESSIBLE RAMP PER ADA REQUIREMENTS
- ⑫ PROPANE TANK
- ⑬ TRANSFORMER SEE ELECTRICAL DWGS
- ⑭ CONC. SIDEWALK; GRADE SHALL BE ACCESSIBLE TO THAT OF ADJACENT ADA PARKING SPACES AND ACCESS AISLES
- ⑮ CONCRETE APRON SEE STRUCTURAL PLAN FOR DETAILS
- ⑯ SUN SHADE ABOVE PARKING, SEE ARCHITECTURAL DRAWING TO BE COORDINATED WITH SOLAR INSTALLER
- ⑰ BICYCLE RACK
- ⑱ SITE LIGHTING (TYP), SEE ELECTRICAL DRAWINGS
- ⑲ DEPRESSED ISLAND, SEE LANDSCAPE PLANS



**HEAVY PAVING SECTION**  
NTS

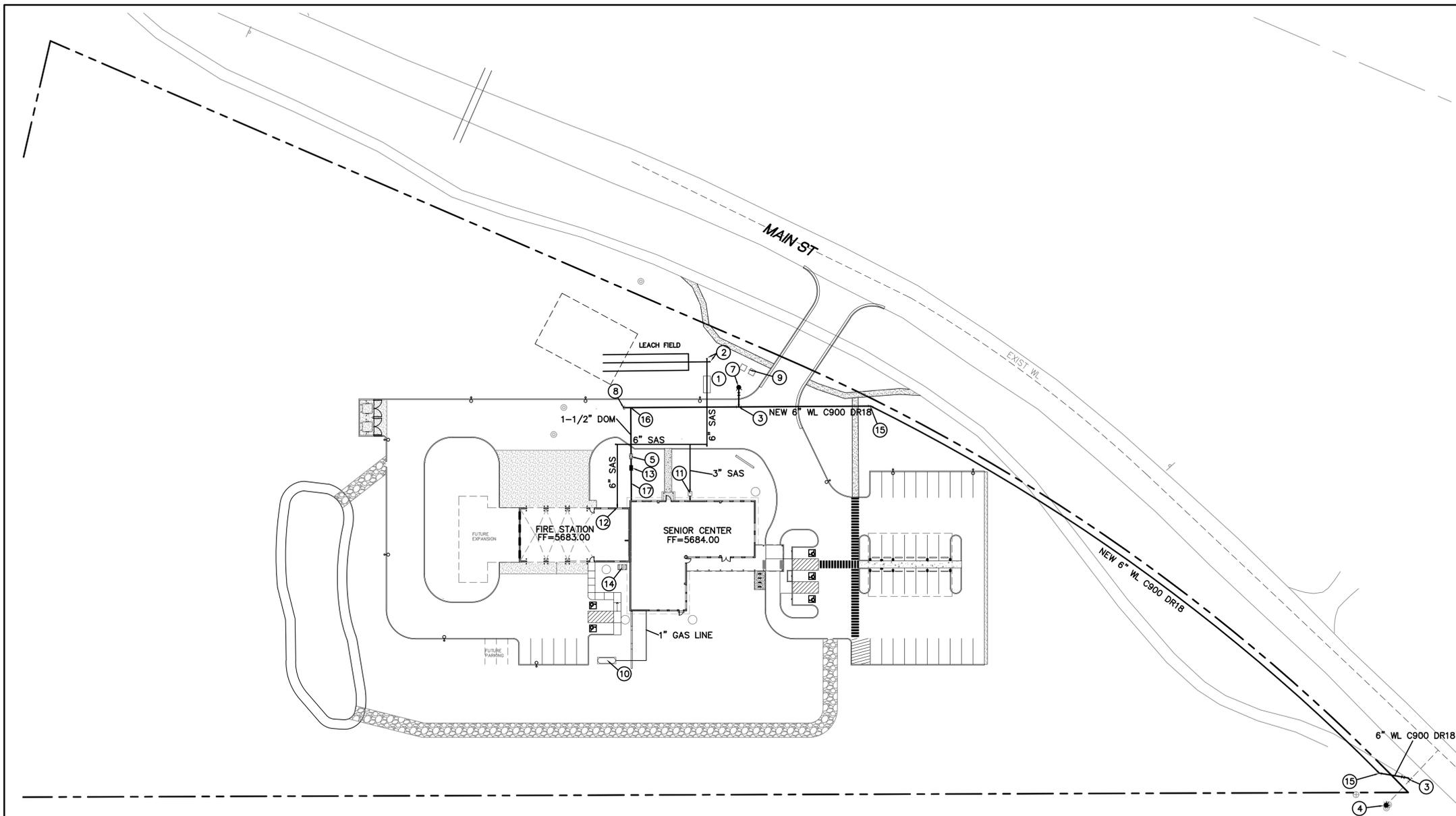
**ASPHALT PAVING SECTION**  
NTS

REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL SPECIFICATIONS



**PERMIT & BID SET**  
07-25-2022

	<b>CERILLOS WSC FIRE STATION/SENIOR CENTER</b>	DRAWN BY pm
	<b>SITE PLAN</b>	DATE 10-18-21
		DRAWING 2020061-SP
5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com		SHEET # <b>SP-1</b>
RONALD R. BOHANNAN P.E. #7868		JOB # 2020061



**GENERAL NOTES FOR WATER LINE EXTENSIONS**

- CONTRACTOR WILL NOTIFY THE EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION 5 DAYS PRIOR TO INITIATING ANY CONSTRUCTION WORK.
- CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL 15.
- ALL EASEMENTS WILL BE DEDICATED, CLEARED AND GRADED, AND STAKED PRIOR TO WATER LINE INSTALLATION.
- ALL STREETS WILL BE CUT TO GRADE PRIOR TO WATER LINE INSTALLATION.
- ALL LOT CORNERS WILL BE STAKED PRIOR TO SERVICE LINE INSTALLATION. CURB AND GUTTER WILL BE INSTALLED PRIOR TO WATER LINE INSTALLATION UNLESS OTHERWISE APPROVED IN WRITING BY EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION.
- CONTRACTOR (DEVELOPER) SHALL PROVIDE CONSTRUCTION STAKING, PERFORMED BY A NEW MEXICO LICENSED SURVEYOR, UTILIZING THE APPROPRIATE RIGHT-OF-WAY MAPS, SIGNED PLATS AND EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION DRAWINGS.
- MATERIALS SUBMITTALS SHALL BE APPROVED BY EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION PRIOR TO CONSTRUCTION.
- CONTACT NEW MEXICO ONE CALL AT 1-800-321-2537, FOR UTILITY SPOTTING, NOT LESS THAN TWO WORKING DAYS IN ADVANCE OF CONSTRUCTION.
- PRESSURE REGULATORS WILL BE INSTALLED ON ALL SERVICES DOWNSTREAM FROM THE METER.
- PRESSURE REGULATOR AND PRESSURE SYSTEMS MUST BE APPROVED BY THE CITY OF SANTA FE PRIOR TO INSTALLATION.
- A MINIMUM OF 4 FEET COVER TO TOP OF PIPE SHALL BE MAINTAINED.
- CONTRACTOR SHALL SUBMIT VALVE TIES TO EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION WITHIN 5 DAYS AFTER COMPLETION OF INSTALLATION.
- CONTRACTOR SHALL SUBMIT FITTING TIES AND LENGTHS BETWEEN FITTINGS TO SDCW, WITHIN 5 DAYS AFTER COMPLETION OF WORK. THIS INCLUDES DISTANCES FROM CORPORATION STOP TO CORPORATION STOP. AS-BUILT QUANTITIES AND MEASUREMENTS SHALL BE LEGIBLE AND PROVIDED ON EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION DRAWINGS OR OTHER METHOD APPROVED IN ADVANCE BY SDCW.
- ALL VALVE BOXES SHALL BE BROUGHT UP TO GRADE, AFTER THE FIRST COURSE OF ASPHALT.
- FIRE HYDRANTS SHALL BE NUMBERED USING REFLECTIVE SELF-ADHESIVE NUMERALS. THESE REFLECTIVE NUMERALS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE SDCW FIELD REPRESENTATIVE, AT THE TIME THE INDIVIDUAL TASK AUTHORIZATION (ITA) IS ISSUED. NUMBERS SHALL BE LEGIBLE FROM THE ROAD.
- A MECHANICAL RESTRAINT SYSTEM SHALL BE UTILIZED ON FITTINGS AND PIPING FOR THRUST RESTRAINT. CONCRETE THRUST BLOCKING SHALL BE USED ONLY FOR SPECIAL CONDITIONS (E.G. AT TEMPORARY CAPS WHERE MAIN 15 EXPECTED TO BE EXTENDED IN THE FUTURE) AS SPECIFICALLY SHOWN ON DRAWINGS APPROVED BY SDCW.
- ANY FIELD CHANGES TO THESE DESIGN DRAWINGS SHALL REQUIRE PRIOR APPROVAL BY BOTH THE DESIGN ENGINEER AND EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION.
- WORK ON EXISTING SDCW FACILITIES CANNOT PROCEED UNTIL EL VADITO DE LOS CERRILLOS MUTUAL DOMESTIC WATER ASSOCIATION HAS ISSUED THE RELEVANT ITA TO THE CONTRACTOR.
- CONTRACTOR SHALL SEND WRITTEN NOTIFICATION TO ALL CURRENT SDCW CUSTOMERS, WHOSE SERVICES WILL BE AFFECTED BY THIS PROJECT'S CONSTRUCTION ACTIVITIES, ONE WEEK IN ADVANCE OF WATER-SERVICE-RELATED WORK.

**KEYED NOTES**

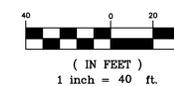
- NEW SEPTIC SYSTEM, SIZED BY SEPTIC CONTRACTOR AND DESIGNED TO MEET NMED REQUIREMENTS
- CLEAN OUT
- 6"x6"x6" TEE, 6" GATE VALVE, NON PRESSURIZED CONNECTION
- EXISTING FIRE HYDRANT
- 1-1/2" WATER METER
- NOT USED
- NEW FIRE HYDRANT
- 6" CAP
- TRANSFORMER
- PROPANE TANK BY OWNER & UTILITY PROVIDER SEE PLUMBING DWGS
- GREASE TRAP INV (IN)=5682.02
- DOUBLE C/O INV (IN)=5681.02
- HOTBOX/BACK FLOW PREVENTER ON 1'X3' CONCRETE PAD
- GROUND MOUNTED MECHANICAL EQUIPMENT ON CONC. PAD SEE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS
- 22-1/2" ELBOW
- CONNECT 1-1/2" DOMESTIC LINE TO NEW 6" WATERLINE
- 2" SERVICE LINE AFTER 1-1/2" METER

**LEGEND**

- CURB & GUTTER
- HEADER CURB
- - - BOUNDARY LINE
- BUILDING
- SIDEWALK
- C — 3/4" GAS LINE



**GRAPHIC SCALE**

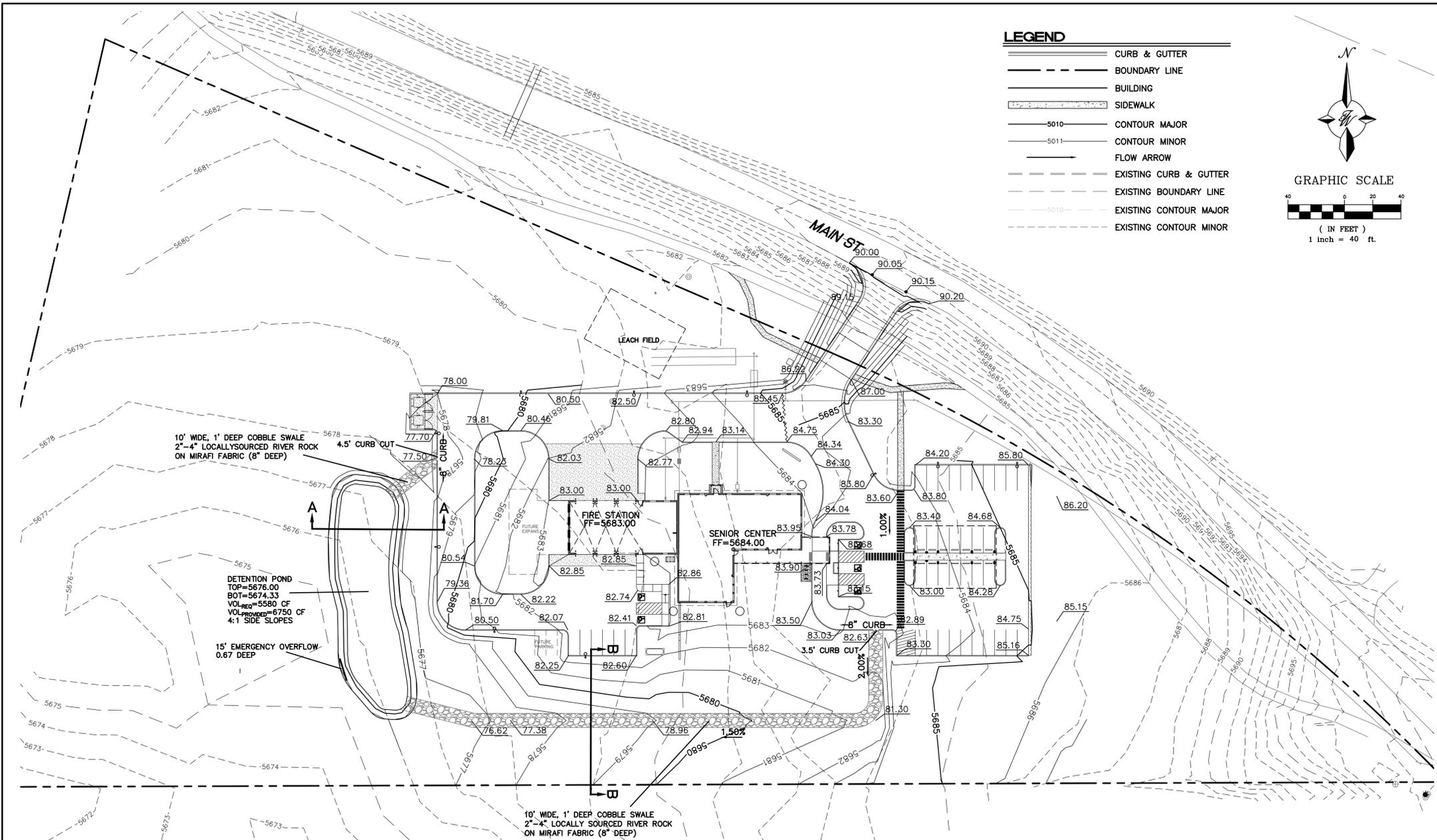


**CAUTION**

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

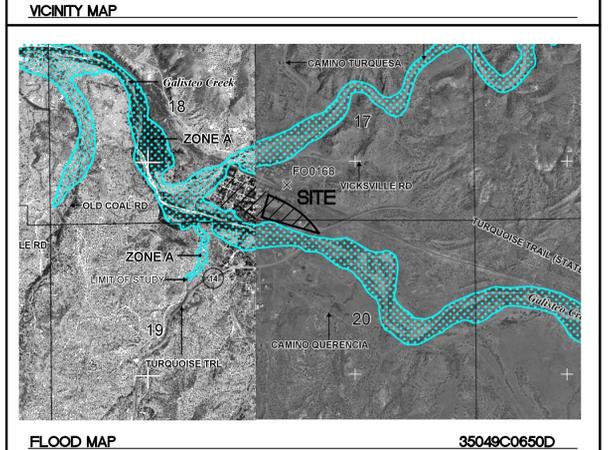
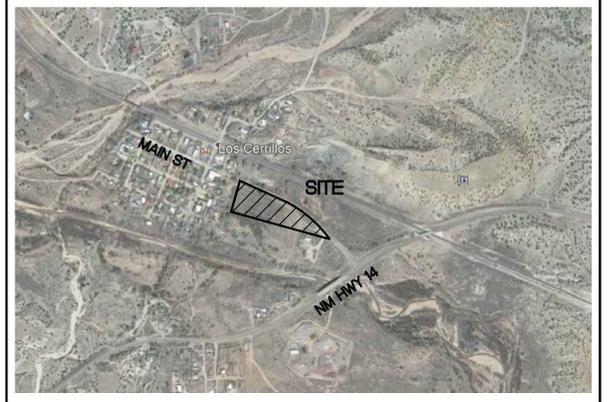
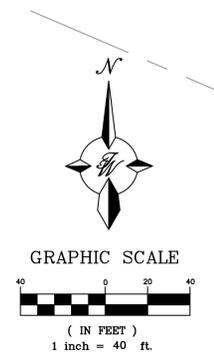
**PERMIT & BID SET**  
07-25-2022

	<b>CERILLOS WSC FIRE STATION/SENIOR CENTER</b>	DRAWN BY pm
	<b>MASTER UTILITY PLAN</b>	DATE 10-18-21
	DRAWING 2020061-MU	SHEET # <b>MU-1</b>
	JOB # 2020061	



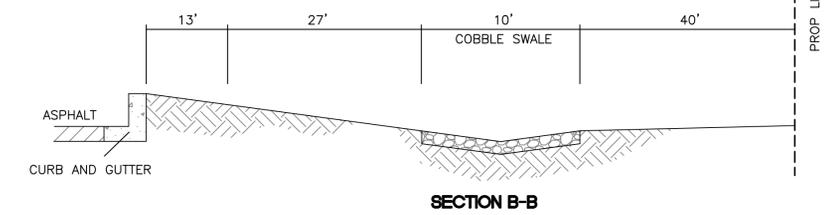
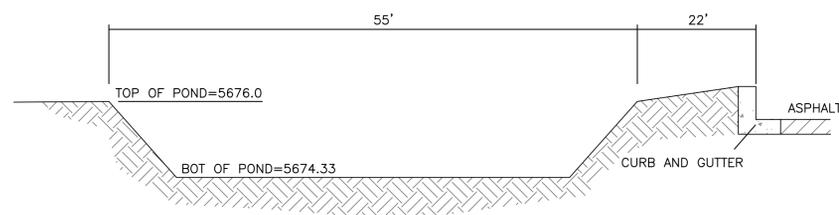
**LEGEND**

	CURB & GUTTER
	BOUNDARY LINE
	BUILDING
	SIDEWALK
	CONTOUR MAJOR
	CONTOUR MINOR
	FLOW ARROW
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR



- NOTICE TO CONTRACTORS**
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
  2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
  3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
  4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
  5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
  6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
  7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

- EROSION CONTROL NOTES**
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
  2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
  3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
  4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
  5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (COUNTY) ACCEPTANCE OF ANY PROJECT.
  6. ALL SLOPES NOT STABILIZED AT THE END OF THE PROJECT SHALL BE STABILIZED IN ACCORDANCE WITH COA SPECS OR 3" GRAVEL.



**PERMIT & BID SET**  
07-25-2022

**CAUTION**  
ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

	<b>CERILLOS WSC FIRE STATION/SENIOR CENTER</b>	DRAWN BY pm
	<b>GRADING AND DRAINAGE PLAN</b>	DATE 10-18-21
10-18-21 RONALD R. BOHANNAN P.E. #7868	5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	DRAWING 2020061-SP
		SHEET # <b>GR-1</b>
		JOB # 2020061

Pre-Developed Drainage Data								
Drainage Area	Area (Sq. Ft.)	Area (Ac)	Tc (Min)	Weighted CN	S-value	Direct Runoff Q (in)	Peak Discharge Q (cfs)	V <sub>100yr</sub> (ft <sup>3</sup> )
1	321,281	7.38	10.0	80	2.50	1.38	23.39	36,918

Developed Drainage Data								
Drainage Area	Area (Sq. Ft.)	Area (Ac)	Tc (Min)	Weighted CN	S-value	Direct Runoff Q (in)	Peak Discharge Q (cfs)	V <sub>100yr</sub> (ft <sup>3</sup> )
1	65,420	1.50	10.0	87	1.49	1.89	6.52	10,295
2	49,809	1.14	10.0	89	1.24	2.05	5.40	8,526
3	22,539	0.52	10.0	80	2.50	1.38	1.64	2,590
4	183,513	4.21	10.0	80	2.50	1.38	13.36	21,087
Totals							26.93	42,498
Required Retention Pond Volume								5,580

$$Q = \frac{(P-0.2S)^2}{(P+0.8S)} \text{ Direct Runoff (in)}$$

P = 3.17 100yr/24hr rate per NOAA 14 Cerillos, NM

S =  $\frac{1000}{CN} - 10$

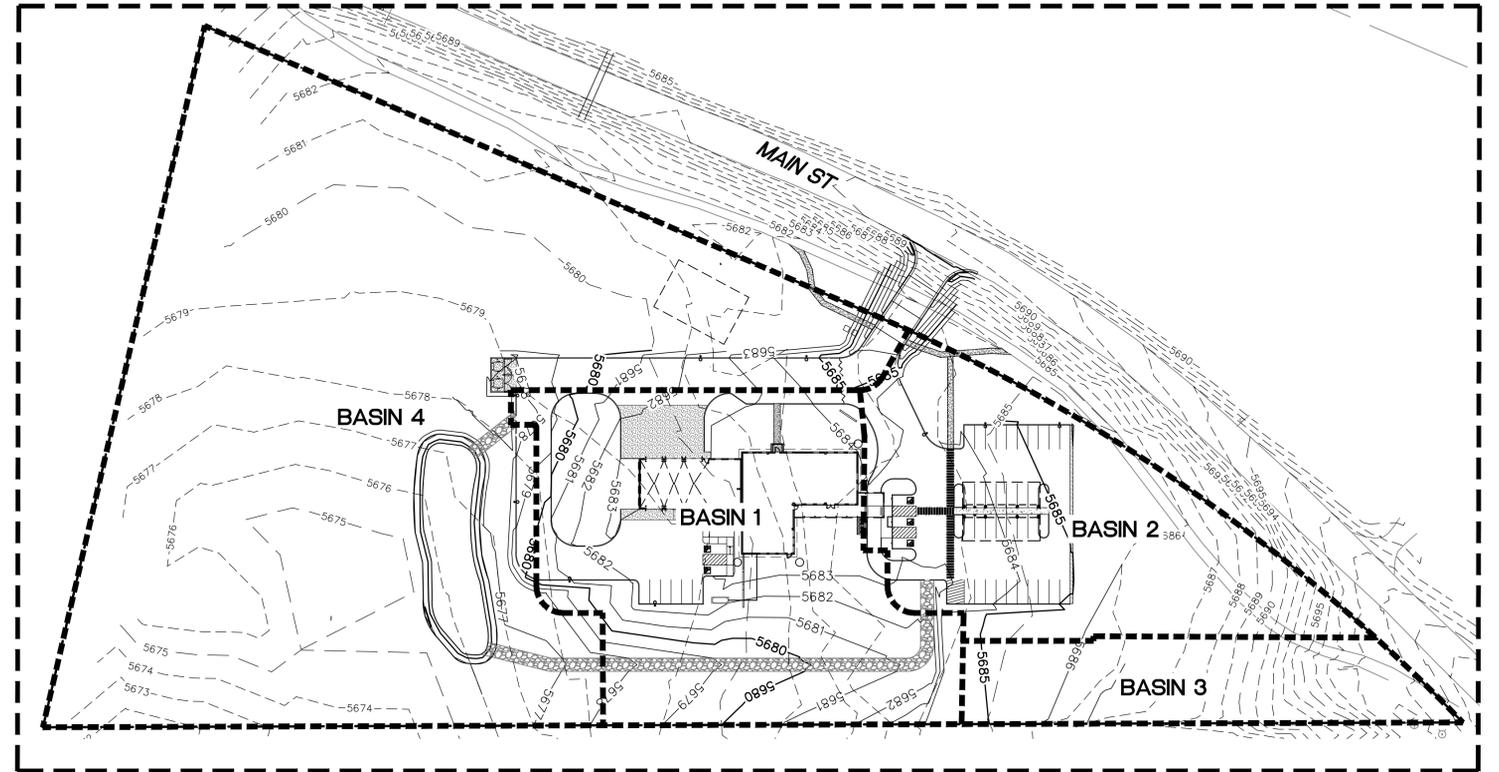
Unit Discharge = 2.3 CFS/Ac-in

**Water Harvesting Cistern Requirements**  
1.5 gallons \* roof area (sf) = 1.5 gallons \* 9,330 sf = 13,995 gallons

Developed Weighted "C" Values										
Drainage Area	Area (Sq. Ft.)	Area (Ac)	Percent Impervious Surface	Percent Landscaping	Percent Undisturbed	C-Value for Impervious Surface	C-Value for Landscaping	C-Value for Undisturbed	Weighted C-Value	
1	65,420	1.50	49%	19%	32%	98	69	80	87	
2	49,809	1.14	50%	4%	46%	98	69	80	89	
3	22,539	0.52	0%	0%	100%	98	69	80	80	
4	183,513	4.21	0%	0%	100%	98	69	80	80	

Pre-Developed Weighted "C" Values										
Drainage Area	Area (Sq. Ft.)	Area (Ac)	Percent Impervious Surface	Percent Landscaping	Percent Undisturbed	C-Value for Impervious Surface	C-Value for Landscaping	C-Value for Undisturbed	Weighted C-Value	
1	321,281	7.38	0%	0%	100%	98	69	80	80	



BASIN MAP

**VOLUME CALCULATIONS**  
RETENTION POND

Ab - Bottom Of The Pond Surface Area  
At - Top Of The Pond Surface Area  
D - Water Depth  
Dt - Total Pond Depth  
C - Change in Surface Area / Water Depth

Volume = Ab \* D + 0.5 \* C \* D<sup>2</sup>  
C = (At - Ab) / Dt

Ab = 6,189.00  
At = 8,907.00  
Dt = 1.67  
C = 1627.54

ACTUAL ELEV.	DEPTH (FT)	VOLUME (CU-FT)
5674.33	0	0
5674.50	0.17	1,052
5675.00	0.67	4,350
5675.33	1.00	6,750
5675.50	1.17	8,055
5676.00	1.67	12,167

Emergency Overflow

Channel Capacity

	Top Width (ft)	Bottom Width (ft)	Depth (ft)	Area (ft <sup>2</sup> )	WP (ft)	R	Slope (%)	Q Provided (cfs)	Q Required (cfs)	Velocity (ft/s)
Channel	10	1	0.67	3.69	10.10	0.3649	1.5	9.81	7.00	1.90

**Manning's Equation:**  
Q = 1.49/n \* A \* R<sup>(2/3)</sup> \* S<sup>(1/2)</sup>  
A = Area  
R = D/4  
S = Slope  
n = 0.035

Channel Capacity

Weir Equation:

$Q = CLH^{3/2}$

Q = Flow  
C = 2.95  
L = Length of weir  
H = Height of Weir

**Basin 1 Curb Opening**

$Q = 2.95 * 4.5 * 0.67^{3/2}$

Q = 7.29 cfs < Q = 6.52 cfs

**Basin 2 Curb Opening**

$Q = 2.95 * 3.5 * 0.67^{3/2}$

Q = 5.67 cfs < Q = 5.40 cfs

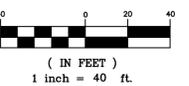
**Retention Pond Emergency Overflow**

$Q = 2.95 * 15 * 0.67^{3/2}$

Q = 24.27 cfs < Q = 23.39 cfs

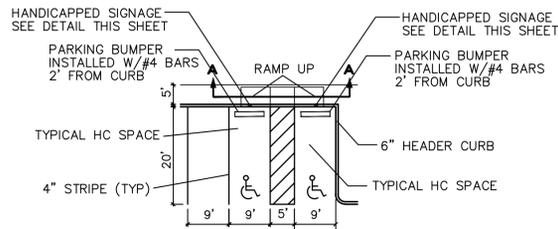


GRAPHIC SCALE



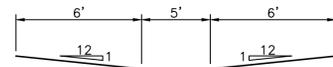
**PERMIT & BID SET**  
07-25-2022

	<b>CERILLOS WSC FIRE STATION/SENIOR CENTER</b>	DRAWN BY pm
	<b>GRADING AND DRAINAGE PLAN</b>	DATE 10-18-21
RONALD R. BOHANNAN P.E. #7868	<b>TERRA WEST, LLC</b> 5571 MIDWAY PARK PL. NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	DRAWING 2020061-SP
		SHEET # <b>GR-2</b>
		JOB # 2020061



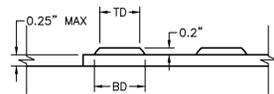
**HC PARKING DETAIL**

NTS



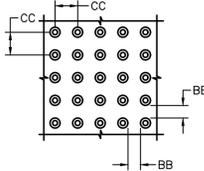
**HC PARKING DETAIL SECTION A-A**

NTS



**DOME SECTION**

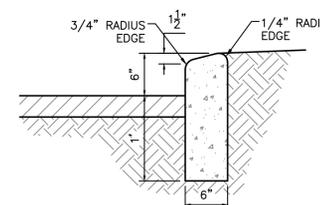
BD - BASE DIAMETER 0.9" MIN  
TD - TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX



**DOME SPACING**

CC - CENTER TO CENTER SPACING 2.35"  
BB - BASE TO BASE SPACING 1.48" MIN

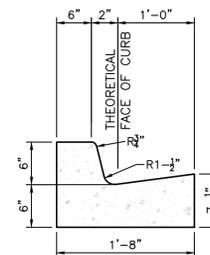
**TRUNCATED DOME DETAIL**



**6" HEADER CURB DETAIL**

**6" HEADER CURB DETAIL**

1"=1"



**CURB GENERAL NOTES:**

1. ALL CURBS TO BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE, PER COUNTY SPECIFICATIONS.
2. PROVIDE CONTRACTION JTS. 12' MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAX. SPACING OF 120' BETWEEN CURB RETURNS AND EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS., SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES.
3. ALL EDGES SHALL BE EDGED WITH A 3/8" RADUIS EDGING TOOL.
4. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND CURB WHEN CAST ADJACENT TO EACH OTHER.

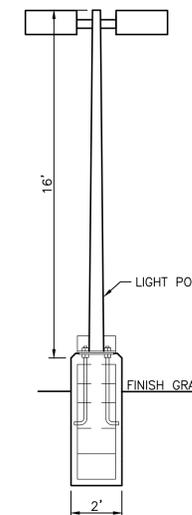
**6" PRIVATE CURB & GUTTER**

NTS

1. ALL CURBS TO BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE, PER COUNTY SPECIFICATIONS.
2. PROVIDE CONTRACTION JTS. 12' MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAX. SPACING OF 120' BETWEEN CURB RETURNS AND EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS., SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES.
3. ALL EDGES SHALL BE EDGED WITH A 3/8" RADUIS EDGING TOOL.
4. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND CURB WHEN CAST ADJACENT TO EACH OTHER.

**PERMIT & BID SET**

07-25-2022

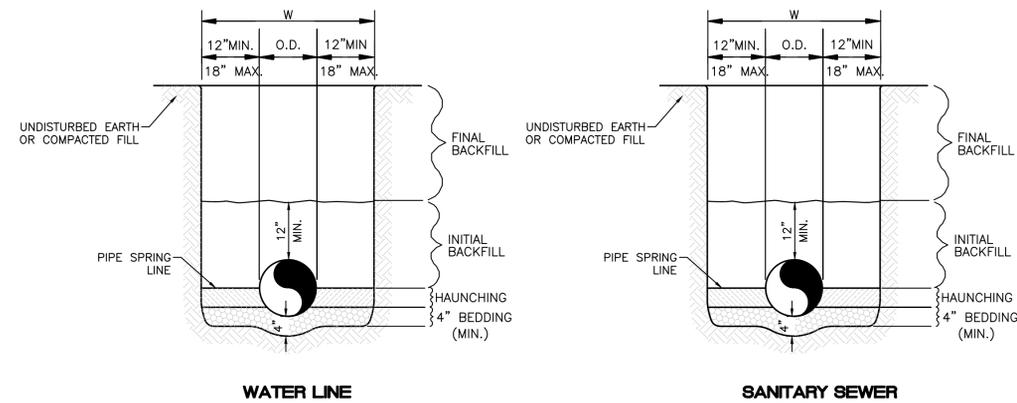


**LIGHT POLE DETAIL**

NTS

NIS

	<b>CERILLOS WSC FIRE STATION/SENIOR CENTER</b> <b>CONSTRUCTION DETAILS</b>	DRAWN BY pm DATE 10-18-21 DRAWING 2020061-MU
	 5571 MIDWAY PARK PL. NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	SHEET # <b>DET-1</b> JOB # 2020061



**WATER LINE**

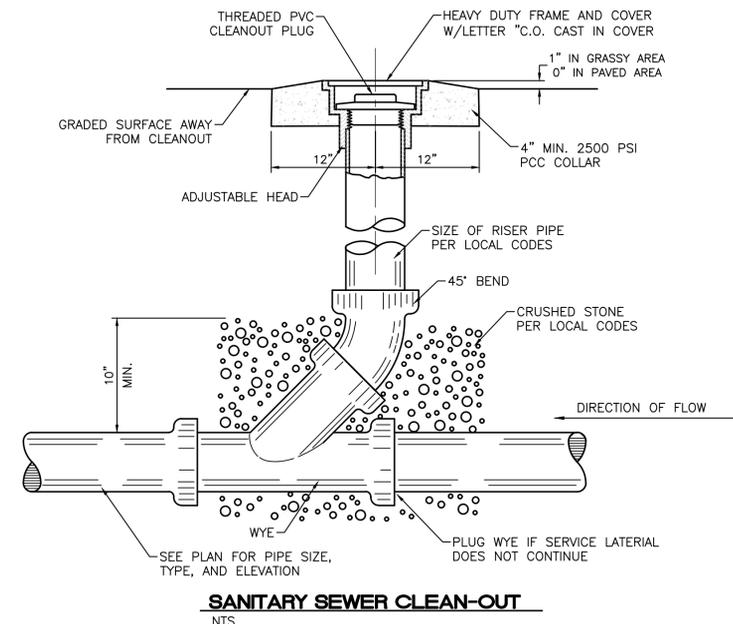
**SANITARY SEWER**

**GENERAL NOTES**

1. BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
4. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE COMPACTED TO 90% STANDARD PROCTOR.
5. FINAL BACKFILL SHALL BE CLASS I, OR II COMPACTED AS NOTED IN NOTES 3. AND 4.
6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE TYPE II COMPACTED TO 95% STANDARD PROCTOR.
7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698.
9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

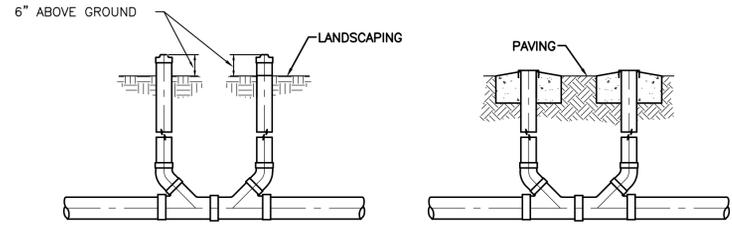
**UTILITY TRENCH AND BEDDING DETAIL**

NTS



**SANITARY SEWER CLEAN-OUT**

NTS



**SANITARY SEWER DOUBLE CLEAN-OUTS**

NTS

**PERMIT & BID SET**  
07-25-2022

	<b>CERILLOS WSC FIRE STATION/SENIOR CENTER</b>	DRAWN BY pm
	<b>CONSTRUCTION DETAILS</b>	DATE 10-18-21
	DRAWING 2020061-MU	SHEET # <b>DET-2</b>
RONALD R. BOHANNAN P.E. #7868	JOB # 2020061	

# STRUCTURAL FOUNDATION PLANS

## CERILLOS SENIOR CENTER AND TURQUOISE TRAIL #3 FIRE STATION

LOT 3, SECTION 17, T.14N., R8E., N.M.P.M., SANTA FE COUNTY, NEW MEXICO

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N. Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com

### ABBREVIATIONS

<p>/ Per @ At AB Anchor Bolt ADDNL Additional ADJ Adjacent AFF Above Finish Floor ALT Alternative APA American Plywood Association APPROX Approximate ARCH Architect or Architectural</p> <p>B / , B.O. Bottom of BG Backgouge BLDG Building BLKG Blocking BM Beam BN Boundary Nail BOT or B Bottom BOF Bottom of Footing BOS Bottom of Steel BRG Bearing BSMT Basement BTWN Between</p> <p>CC Center to Center CG Center of Gravity CIP Cast-In-Place CJ Control Joint CJP Complete Joint Penetration CL Centerline CLG Ceiling CLR Clear CMU Concrete Masonry Unit COL Column CONC Concrete CONN Connection CONST Construction CONT Continue or Continuous CONTR Contractor COORD Coordinate CSJ Construction Joint CTR(D) Center(ed)</p> <p>d Penny DBL Double DEG Degree DIA or Ø Diameter DIAG Diagonal DIM Dimension DL Dead Load DN Down DP Drilled Pier DT Precast Double Tee DTL(S) Detail(s) DWL(S) Dowel(s)</p> <p>EXIST Existing EA Each EC Epoxy Coated EE Each End EF Each Face EJ Expansion Joint EL Elevation EMBED Embedded EN Edge Nail ENGR Engineer EOR Engineer-of-Record EOS Edge of Slab EQ Equal EQ SP Equally Spaced EQUIP Equipment ES Each Side EW Each Way EXP ANCH Expansion Anchor EXP Expansion EXT Exterior</p>	<p>FAB Fabricate FF Finished Floor FLG Flange FLR Floor FDTN Foundation FO Face Of FP Full Penetration FRMG Framing FS Far Side FT Foot or Feet FTG Footing FV Field Verify</p> <p>GA Gage or Gauge GALV Galvanized GL Glu-lam GR Grade GR BM Grade Beam</p> <p>HAS Headed Anchor Stud HD Hold Down HDG Hot Dipped Galvanized HK Hook HORIZ Horizontal HT Height HVAC Heating-Ventilating and A/C</p> <p>ID Inside Diameter I.F. Inside Face IN Inch INT Interior IT Precast Inverted Tee Beam JST Joist JT Joint</p> <p>K Kip KSI Kips per Square Inch</p> <p>L or LG Length LB (S) Pound(s) LL Live Load LLH Long Leg Horizontal LLV Long Leg Vertical LOC (S) Location(s) or Locate LONG Longitudinal LSL Laminated Strand Lumber LT Light LT WT Light Weight LVL Level or Laminated Veneer Lumber LWC Light Weight Concrete</p> <p>MAS Masonry MATL Material MAX Maximum MBS Metal Building Supplier MCJ Masonry Control Joint MECH Mechanical MEP Mechanical/Electrical/Plumbing MIL(S) Millimeter(s) MIN Minimum MISC Miscellaneous ML Micro-Lam MNFR Manufacturer MO Masonry Opening MTL Metal</p> <p>N North NS Non-Shrink or Near Side NIC Not in Contact NO or # Number NOM Nominal NTS Not To Scale NWC Normal Weight Concrete</p> <p>OAE Or Approved Equivalent OC On Center OCEW On Center Each Way</p>	<p>OD Outside Diameter O.F. Outside Face OPNG Opening OPP Opposite</p> <p>PAF Powder Actuated Fastener PC Precast PEN Penetration PERP Perpendicular PL Plate PLF Pounds Per Lineal Foot PREFAB Prefabricated PRELIM Preliminary PS Prestressed PSF Pounds Per Square Foot PSI Pounds Per Square Inch PT Pressure Treated</p> <p>QTY Quantity</p> <p>RAD or R Radius RC Reinforced Concrete RE: or REF Refer to (Reference) REINF Reinforce(ing)(d)(ment) RET Return REQD Required REQT(S) Requirement(s) RO Rough Opening</p> <p>(S) Salvaged SCHED Schedule SEC Section SIM Similar SLH Short Leg Horizontal SLV Short Leg Vertical SOG Slab on Grade SP @ Space At SP Space(s) SPECS Specifications SPRT Support SS Stainless Steel STD Standard STIFF Stiffener STL Steel STR Structural SW Shearwall SYM Symmetrical</p> <p>T&amp;B Top &amp; Bottom T Top T/ Top of TH Thick or Thickness Th.ROD Threaded Rod TL Total Load T.O. Top of TOC Top of Concrete TOF Top of Footing TOM Top of Masonry TOPG Topping TOS Top of Steel TOW Top of Wall TRANS Transverse TYP Typical</p> <p>ULT Ultimate UNO Unless Noted Otherwise</p> <p>VERT Vertical VIF Verify In Field</p> <p>W/O Without W/ With WD Width or Wood WF Wide Flange WT Weight WWR Welded Wire Reinforcement WxH Width x Height</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### LEGEND

SYMBOL	DESCRIPTION
	ELEVATION SYMBOL
	HOLD DOWN LOCATION
	HELICAL PILE LOCATION
	KEYED NOTE
	DRAWING REVISION NUMBER
	CURRENT REVISION CLOUD
	SUBGRADE
	RIGID INSULATION
	CAST IN PLACE CONCRETE
	DETAIL CUT
	SHEET REFERENCE
	BEAM
	FOOTING

### PLAN INDEX

S001	COVER PAGE
S002	OUTLINE SPECIFICATIONS
S003	OUTLINE SPECIFICATIONS
S004	TYPICAL DETAILS
S101	PLANS
S201	DETAILS

**CERILLOS SENIOR CENTER  
AND TURQUOISE TRAIL # 3  
FIRE STATION**  
 LOT 3, SECTION 17, T.14N., R.8E., N.M.P.M.,  
SANTA FE COUNTY, NEW MEXICO

Current Status:  
**PERMIT**

REVISIONS		
#		#

Drawn by: **MT**  
Checked by: **AEL,JJS**  
Date: **08-31-21**

**PLAN INDEX,  
LEGEND,  
ABBREVIATIONS**

Job Number:  
Sheet No.

S001



**Luchini Trujillo**  
 Structural Engineers

**PERMIT & BID SET**  
 07-25-2022

2019 Galisteo St. D2, Santa Fe, NM 87505  
 4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109  
 505.424.3232 www.LTSENG.com info@ltseng.com

PLOT DATE: Sep 16, 2021, 4:57pm  
 FILENAME: D:\Dropbox\LTSE\Consultant\Main\Projects\2086 Madrid Fire Station\Madrid Fire Station.dwg

# STRUCTURAL OUTLINE SPECIFICATIONS FOR CERILLOS SENIOR CENTER AND TURQUOISE TRAIL #3 FIRESTATION

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com

**CERILLOS SENIOR CENTER  
 AND TURQUOISE TRAIL #3  
 FIRE STATION**  
 LOT 3, SECTION 17, T. 14N., R. 8E., N.M.P.M.  
 SANTA FE COUNTY, NEW MEXICO

Current Status:  
**PERMIT**

REVISIONS

△	ADDENDUM 1	10/13/21
---	------------	----------

Drawn by:	MT
Checked by:	AEL,JJS
Date:	10-13-21
Sheet Title:	OUTLINE SPECIFICATIONS

Job Number:  
 Sheet No.

**S002**

**Luchini Trujillo**  
 Structural Engineers  
 2019 Galisteo St. D2, Santa Fe, NM 87505  
 4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109  
 505.424.3232 www.LTSENG.com info@ltseng.com

**PERMIT & BID SET**  
 07-25-2022

## I. DESIGN CRITERIA & GENERAL NOTES

- A. Design Codes and Manuals:**
- 2015 International Building Code (IBC)
  - ASCE 7-10, Minimum Design Loads for Buildings and Other Structures
  - ACI 318-14, Building Code Requirements for Reinforced Concrete
  - Metal Building Systems Manual, Latest Edition
- B. VERTICAL DESIGN LOADS:**
- Live Roof Loads
    - Roof.....20 PSF
      - Unreduced Live Load,  $L_0$ .....20 PSF
    - Snow Loads
      - Roof Snow Load.....30 PSF
        - Ground Snow Load,  $p_g$ .....30 PSF
        - Risk Category.....II
    - Dead Loads
      - Roof.....5 PSF
      - Collateral .....10 PSF
  - HORIZONTAL DESIGN LOADS:
    - Wind Loads
      - Risk Category II
      - Exposure "C"
      - Ultimate Design Wind Speed (V) - (3 SECOND GUST) - 115 MPH
      - Design Wind Pressures for Components and Cladding:
        - Roof:
          - Zone 1.  $p = -28.0$  psf / +17.6 psf
          - Zone 2.  $p = -48.8$  psf / +17.6 psf
          - Zone 3.  $p = -77.3$  psf / +17.6 psf
        - Roof Overhang:
          - Zone 2.  $p = -44.2$  psf
          - Zone 3.  $p = -72.9$  psf
        - Walls:
          - Zone 4.  $p = -33.2$  psf / +30.6 psf
          - Zone 5.  $p = -51.4$  psf / +28.0 psf
        - Effective Wind Area = 10 sf
    - Seismic Loads
      - IBC Site Classification "D"
      - Risk Category II
      - Seismic Importance Factor: 1.0
      - Mapped Spectral Response Accelerations
        - Short period:  $S_s = 0.454$
        - 1 Second period:  $S_1 = 0.138$
      - Spectral Response Coefficients
        - Short period:  $SD_s = 0.435$
        - 1 Second period:  $SD_1 = 0.207$
      - Seismic Design Category: "D"
      - Basic Seismic-Force-Resisting System: Steel ordinary concentrically braced frame
      - Seismic Response Coefficient:  $C_s = 0.134$
      - Response Modification Factor:  $R = 3.25$
      - Analysis Procedure Used = Equivalent Lateral Force Procedure

- D. GENERAL NOTES**
- Drawings
    - Do not scale drawings.
    - See architectural, mechanical, electrical and plumbing drawings for exact location and arrangement of any pads, support frames, etc., required for mechanical and electrical equipment and not with other trades concerning plates, anchors, notches, etc., to be placed in concrete.
    - Any conflict between the structural drawings and specifications, and/or other discipline plans and/or specifications shall be brought to the attention of the architect prior to proceeding with the work affected.
    - Contractor shall verify all edge form setting dimensions as well as the location of elevation changes, off-sets, brick ledges, and block-outs with other disciplines and notify this office of any discrepancies that may exist prior to commencing construction.
  - OPENINGS
    - Openings, sleeves, etc. to be placed through any structural member shall first be approved by the structural engineer. Sleeves shall be provided for openings prior to placing of concrete. Cutting of hardened concrete shall not be permitted except by special structural approval which will be on an individual basis.
  - The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not be limited to bracing and shoring for loads due to hydrostatic, earth, wind or seismic forces, construction equipment, etc. Observation visits to the site by the structural engineer shall not include inspection of the above items.
  - Cost of additional field and office work necessitated by requests by the contractor for an option of due to errors or omissions in construction shall be borne by the contractor. Options are for contractor's convenience, he shall be responsible for all changes necessary if he chooses an option and he shall coordinate all details.

- E. Foundation Notes**
- Geotechnical engineering study and recommendations for this project has been performed by Geo-Test, Inc. project number 1-70414, dated May 23, 2017.
    - Important additional information concerning specific soil conditions is contained in this report and shall be reviewed prior to the start of construction.
    - Design is based on recommendations provided by the geotechnical engineering study:
      - Allowable soil Bearing Pressure = 2000 psf
      - Frost Depth / Minimum Exterior Footing Embedment = 24"
    - Requirements for granular base and capillary (vapor) barriers is specified in this report. Areas where the capillary barriers are required shall be coordinated with the architect prior to construction. The barrier shall have a minimum thickness of 10 mils and shall conform to the requirements of ACI 302.1R-04.
    - Contractor shall be responsible for providing positive water drainage away from structures, during and after construction.
      - It is important to understand that the performance of the foundation is linked directly to the consistency of the moisture content in the soil. The geotechnical engineering study provides recommendations for natural ground preparation, remedial earthwork, drainage, grading, and landscaping.
    - The geotechnical engineering study contains specific requirements concerning clearing and grubbing, site, subfloor and bearing surface preparation, structural fill requirements, compaction requirements, and drainage and sloping requirements not necessarily shown on these drawings. Refer any conflicts between these drawings and the report to the architect for direction prior to beginning any work.
      - The contractor shall engage and bear the cost of a geotechnical engineer or designated representative to monitor site preparation, foundation construction and retaining wall construction. The geotechnical engineer shall provide continuous on-site observation by experienced personnel during construction of controlled earthwork. The contractor shall notify the geotechnical engineer at least two working days in advance of any field operations of controlled earthwork or of any resumption of operations after stoppages. Tests of fill materials and embankments shall be made in accordance to the recommendations for observation and testing provided within the geotechnical recommendations, and at the following suggested minimum rates:
        - At least one moisture-density (proctor) test, atterberg limits test, and percent finer than #200 sieve test should be performed per each subgrade soil type and engineered fill material. The geotechnical engineer must review the test results for conformance with specifications and approve of fill materials and their intended use, prior to construction.
        - A minimum of one field density and moisture test should be performed per 2000 square feet of building pad fill or pavement subgrade per each 1 foot of compacted fill thickness (or at least one test per each 1 foot of compacted fill thickness in each area worked per day if smaller sections).
        - A minimum of one field density and moisture test should be performed per 50 linear feet of foundation excavation bottom prior to placement of reinforcing steel and concrete (or at least one test per area worked per day if smaller sections).
        - A minimum of one field density and moisture test should be performed per 100 linear feet of retaining wall backfill and/or utility trench backfill per each 1 foot of compacted fill thickness (or at least one test per each 1 foot of compacted fill thickness in each area worked per day if smaller sections).

## II. QUALITY ASSURANCE & STATEMENT OF SPECIAL INSPECTION

- A.** The owner shall engage qualified independent inspectors to implement special inspection. Special inspection shall conform to the IBC, chapter 17.
- B.** After each inspection and test, promptly submit copy of laboratory report to owner, architect/engineer, and to contractor. Report shall include:
- Date issued, Project title and number, Name of inspector, Date and time of sampling or inspection, Identification of project specifications section, Location of project, Type of inspection or test, Date of tests, Results of tests, Conformance with contract documents
- C. Required inspections:**
- Soils - as outlined in Outline Specifications Section titled "Foundation Notes"
  - Concrete - as outlined in the Outline Specifications Section titled "Structural Concrete"
    - Installation of embedded bolts and plates supporting structure
    - Reinforcing steel placement
    - Field bending of reinforcing steel
    - Reinforcing couplers
    - Anchored rebar or threaded rods into hardened concrete
  - Steel - as outlined in Outline Specifications Section titled "Structural Steel"
- D.** Special inspection is to be provided in addition to inspections conducted by the building department and shall not be construed to relieve the owner or his authorized agent from requesting the period and called inspections required by section 1704 of the International Building Code.
- Periodic inspection is defined as the part-time or intermittent observation of work requiring inspection by an approved inspector who is present in the area where the work has been or is being performed at the completion of work.

- Special inspection is required for the following:
  - Steel construction
    - High strength bolts.....periodic
    - Welding.....periodic
  - Concrete construction
    - Reinforcing steel.....periodic
    - Bolts installed prior to and during concrete placement.....periodic
    - Mix design(s).....periodic
    - At the time fresh concrete is sampled.....periodic
    - Inspection of concrete placement.....periodic
    - Inspection for maintenance of specified curing techniques.....periodic
  - Special case
    - Expansion or adhesive anchor.....periodic

## III. SHOP DRAWING SUBMITTAL

- A.** Contractor to submit to Structural Engineer:
- Concrete Mix Designs
  - Anchor Bolts
  - Metal Building
  - Reinforcing Bars
- B.** All shop drawings and submittals must be reviewed and stamped by the contractor prior to submittal. Shop drawings and submittals shall be accompanied by sealed calculations as required by the specifications. No fabrications shall proceed before shop drawings covering that work have been approved. Allow at least 10 days for shop drawing review.

## IV. STRUCTURAL CONCRETE

- A.** All concrete edges shall be chamfered 3/4" on exposed corners unless otherwise noted.
- B.** Basis for design, strength at 28 days:
- Unless indicated otherwise, all concrete shall be ready- mixed concrete with standard stone aggregate (144 PCF).
  - Air entrainment shall conform to the requirements of ACI 318-14 Table 19.3.3.1
  - Structural design is based upon ACI 318-14 and construction shall conform to ACI 301 and ACI 302, latest edition(s).
    - $F'_c = 4000$  psi (normal weight, air entrained)
      - Exposed concrete flatwork, footings
    - $F'_c = 4000$  psi (normal weight)
      - Interior slab on grade and monolithic turnaround slabs
    - $F'_c = 6000$  psi non-shrink grout for placement under column base plates.
      - Grout to comply with ASTM C1107. Non-shrink flowable grout shall be used under base plates with shear lugs.
  - Unless otherwise indicated, concrete cover shall be:
    - Foundations.....3"
    - Grade Beams.....3"
    - Slabs (Not exposed to weather) .....3/4"
    - Welded wire fabric.....Centered
    - Slabs (Exposed to weather) .....1 1/2"
    - Welded wire fabric.....Centered

## C. REINFORCING STEEL

- Deformed Bars.....ASTM A615 / Grade 60
- Welded Wire Fabric.....ASTM A185
- Placing of reinforcing shall conform to CRSI, latest edition.
- All reinforcing shall be held securely in position with standard accessories during placing of concrete.
- Slab and beam bolsters and hi-chairs shall have vinyl-tipped turned-up legs where soffits/underside of slab is exposed.
- All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.
- Unless otherwise indicated, splice reinforcing as follows:
  - Reinforcing Bars.....48 Bar Diameters
- Welded Wire Fabric.....6" All reinforcing shall be held securely in position with standard accessories during placing of concrete.
- 4" Slab: 6x6-W4.0xW4.0 provide in sheets.
- 6" Slab: 4x4-W4.0xW4.0 provide in sheets.

## D. WALLS

- Exposed site walls, retaining walls, and stem walls greater than 30 feet in length shall have control joints installed and spaced no greater than 25 feet on center. Install joints within 10 feet of all wall corners.
- Contractor shall submit to architect, final locations of all control joints for approval, prior to construction.

## E. SLAB-ON-GROUND CRITERIA

- Strict adherence to the specified water-to-cement ratio of 0.45 is required. Water shall not be added to the mix at the time of placement.

- Shrinkage shall not exceed 0.02% per ASTM C 157 at 28 days. Shrinkage-compensating concrete shall conform to the recommendations of ACI 223.
- Moist curing of slabs-on-ground is required.
- Care shall be taken to prevent water intrusion into the subgrade both prior to and after slab pours.
- Contraction joints (control joints) shall be installed on all concrete slabs on grade. Verify locations of all joints with Architect prior to placing concrete. The joints shall be spaced no further than 36 times the slab thickness or 15 ft. L or T shapes be avoided when placing crack control joints. If the shape of the area contained by the crack control joints is not square, the aspect ratio of this area should not exceed 1.5 to 1. The control joints should be placed such that they are continuous and not staggered or offset. Placement shall be in accordance to ACI 302.1.
  - Timing of early entry slab saw cuts is critical to slab curing performance. Saw cuts for control joints (contraction joints) shall be made at the earliest possible time that the concrete will support the weight of saw cutting equipment and operations. Timing of early entry saw cuts shall vary between 1 hour in hot weather and 4 hours in cold weather. Early entry dry cut saws shall use a skid plate to prevent spalling.
  - Early entry dry cut saw should be 1 inch into the depth of the slab. The slab shall be cut to 1/4 of the slab depth to deepen the 1 inch nominal early entry saw cut within 24 hours.
  - A construction or smooth doweled saw cut contraction joint shall be placed at a maximum of 125 ft.
  - All joints shall be filled to the full joint depth with semi-rigid joint filler in areas exposed to vehicular traffic. Overfill joint and trim joint filler flush with top of joint after hardening.
- Concrete containing air-entraining admixture shall not be trowel finished.

## F. CONCRETE PLACEMENT & TESTING

- Unless otherwise indicated, five test cylinders shall be made every fifty cubic yards of concrete or fraction thereof on each day's pour. One cylinder shall be tested at 7 days and three at 28 days. The remaining cylinder shall be held in reserve as a spare. The making and testing of cylinders shall be conducted by an approved testing laboratory; contractor shall bear the cost of testing.
  - Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301.
  - Do not add water to concrete after adding high-range water-reducing admixtures to mixture.
- Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.
- Do not use vibrators to transport concrete inside forms. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches into preceding layer. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity. At each insertion, limit duration of vibration to time necessary to consolidate concrete and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.
- Maintain ALL reinforcement in position on chairs during concrete placement.

## G. COLD WEATHER CONCRETING

- All cold weather concrete work shall meet the requirements of ACI Committee 306, latest edition for cold weather concreting, if, for 3 consecutive days the average daily temperature drops below 40°F and stays below 50°F for more than one-half of any 24 hour period.
- Do not use frozen materials containing ice or snow.
- Do not place concrete on frozen subgrade or on subgrade containing frozen materials.
- The use of calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators is not permitted; contractor shall utilize a high early strength mix design.

## H. HOT WEATHER CONCRETING

- All hot weather concrete work shall be in accordance with ACI 301. Maintain concrete temperature below 90°F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water.
- Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

## I. EMBEDDED CONDUIT

- Embedded conduits and/or pipes shall not be installed in slabs or columns, unless approved by the structural engineer, prior to construction.
- Conduits and/or pipes shall be protected against rusting. Aluminum conduits and/or pipes shall not be embedded in concrete.

PLOT DATE: Oct 13, 2021, 1:27pm  
 FILENAME: D:\Dropbox\LTS\Consultant\Matl\Projects\2086 Madrid Fire Station\Matl\Projects\2086 Madrid Fire Station.dwg

# STRUCTURAL OUTLINE SPECIFICATIONS FOR CERILLOS SENIOR CENTER AND TURQUOISE TRAIL #3 FIRESTATION

## V. METAL BUILDING SYSTEMS

### A. DESIGN REQUIREMENTS

1. The building manufacturer will use standards, specifications, recommendations, findings and/or interpretations of professionally-recognized groups such as AISC, AISI, AWS, ASTM, CSA, CWB, MBMA, Federal Specifications, and unpublished research by MBMA as the basis for establishing design, drafting, fabrication, and quality criteria, practices, and tolerances. The Manufacturer's design, drafting, fabrication and quality criteria, practices, and tolerances shall govern, unless specifically countermanded by the contract documents.
2. Design structural mill sections and built-up plate sections in accordance with:
  - a) Code-appropriate edition of AISC's "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", ANSI/AISC 360 ASD method.
3. Cold-Formed steel structural members and panels will generally be designed in accordance with "Specifications for the Design of Cold-Formed Steel Structural Members", 2007 Edition, ANSI/AISI S-100-07 or CAN CSA S136-07.
4. Design weldments per the following:
  - a) Structural Welding
    - (1) Design per AWS D1.1, "Structural Welding Code - Steel", Latest Edition.
  - b) Cold-Formed Welding
    - (1) Design per AWS D1.3, "Structural Welding Code - Sheet Steel", Latest Edition.

### B. SUBMITTALS

1. Product Data: Manufacturer's data sheets on each product to be used, including:
  - a) Preparation instructions and recommendations.
  - b) Storage and handling requirements and recommendations.
  - c) Installation methods.
2. Shop Drawings: Provide complete erection drawings for the proper identification and assembly of all building components. Drawings will show anchor bolt settings, transverse cross-sections, sidewall, endwall and roof framing, flashing and sheeting, and accessory installation details.
3. Certifications: Shop drawings and design analysis shall bear the seal of a registered professional engineer upon request. Design analysis shall be on file and furnished by manufacturer upon request.
4. Bill of Materials: Bills of material shall be furnished and shall include item weights.
5. Preventative Maintenance Manual.
6. Certifications: Certification of installer and welder qualifications shall be furnished as specified by the Project Engineer.

### C. QUALITY ASSURANCE

1. Manufacturer / Fabricator Qualifications:
  - a) All primary products specified in this section will be supplied by a single IAS AC 472 Accredited Manufacturer /Fabricator with a minimum of five (5) years' experience.
2. Weldments/Welder/Weld Inspection Qualifications:
  - a) Welding inspection and welding inspector qualification for structural steel shall be in accordance with AWS D1.1, "Structural Welding Code - Steel", latest edition. Welding inspection and welding inspector qualification for cold-formed steel shall be in accordance with AWS D1.3, "Structural Welding Code - Sheet Steel", latest edition.
3. Erector Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified.
4. Design: Standard drawings and design analysis must bear the seal of a registered professional engineer. Design analysis must be on file and furnished by manufacturer upon request.

### D. INSTALLATION

1. There shall be no field modifications to primary structural members except as authorized and specified by manufacturer.

## VI. POST-INSTALLED ANCHORS

- A. Except where indicated on the drawings, post-installed anchors shall consist of the following anchor types as provided by Simpson Strong-Tie Company, Inc.

1. Anchorage to concrete
  - a) Adhesive anchors for cracked and uncracked concrete with standard cleaning procedures use:
    - (1) Simpson Set-XP Adhesive anchoring system with HAS-E threaded rod or deformed rebar per ICC-ES ESR-2508 for fast cure applications.
    - (2) Simpson Set-XP Adhesive anchoring system with HAS-E threaded rod or deformed rebar per ICC-ES ESR-2508 for slow cure applications.

B. Anchor capacity used in design shall be based on the technical data published by Simpson Strong-Tie or such other method as approved by the structural engineer of record. Substitution requests for alternate products must be approved in writing by the structural engineer of record prior to use. Contractor shall provide calculations demonstrating that the substituted product is capable of achieving the performance values of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature and installation temperature.

C. Install anchors per the manufacturer instructions, as included in the anchor packaging.

D. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.

E. Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors, GPR, X-ray, chipping or other means.

**Lloyd & Associates**  
**ARCHITECTS**

100 N. Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com

**CERILLOS SENIOR CENTER  
AND TURQUOISE TRAIL # 3  
FIRE STATION**

LOT 3, SECTION 17, T.14N., R.8E., N.M.P.M.  
SANTA FE COUNTY, NEW MEXICO

Current Status:  
**PERMIT**

REVISIONS

#	#	#
#	#	#
#	#	#
#	#	#

Drawn by: **MT**  
Checked by: **AEL,JJS**

Date: **08-31-21**

Sheet Title:  
**OUTLINE  
SPECIFICATIONS**

Job Number:

Sheet No.

**S003**

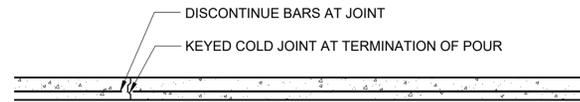


**Luchini Trujillo**  
Structural Engineers

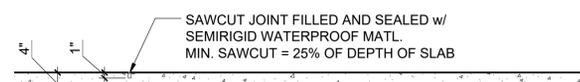
2019 Galisteo St. D2, Santa Fe, NM 87505  
4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109  
505.424.3232 www.LTSENG.com info@ltseng.com

**PERMIT & BID SET**  
**07-25-2022**

PLOT DATE: Oct 13, 2021, 1:28pm  
 FILENAME: D:\Dropbox\LTS\Consultant\Matl\Projects\2086 Madrid Fire Station.dwg



**KEYED COLD / CONSTRUCTION / CONTROL JOINT**

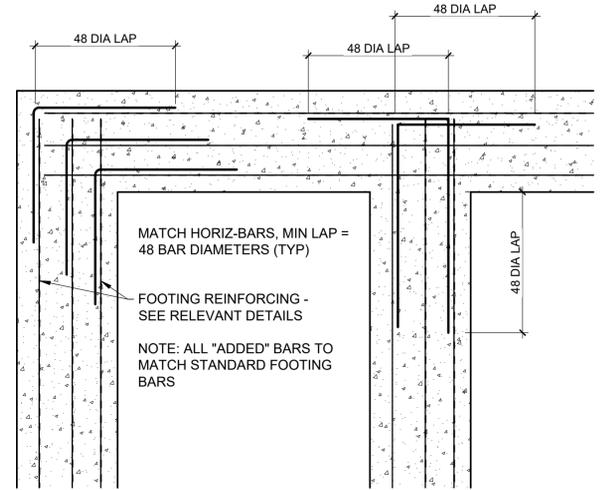


**CONTROL JOINT - SLAB ON GRADE**

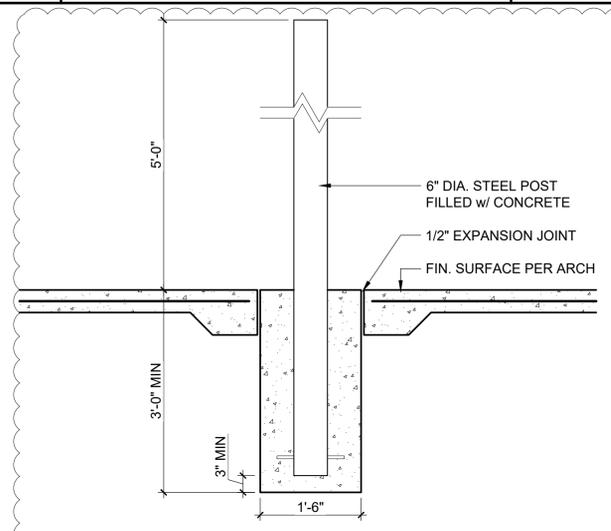


**ISOLATION JOINT**

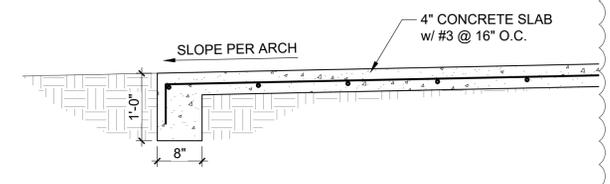
**1 TYPICAL SLAB ON GROUND CONTROL JOINTS**  
 S004 3/4" = 1'-0"



**2 FOOTING CORNER AND INTERSECTION REINF.**  
 S004 3/4" = 1'-0"



**3 BOLLARD @ CONCRETE SLAB**  
 S004 3/4" = 1'-0"



**4 APRON TURNDOWN**  
 S004 3/4" = 1'-0"

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N. Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com

**CERILLOS SENIOR CENTER  
 AND TURQUOISE TRAIL # 3  
 FIRE STATION**  
 LOT 3, SECTION 17, T. 14N., R. 8E., N.M.P.M.  
 SANTA FE COUNTY, NEW MEXICO

Current Status:  
**PERMIT**

REVISIONS		
△	ADDENDUM 1	10/13/21

Drawn by: **MT**  
 Checked by: **AEL,JJS**  
 Date: **10-13-21**

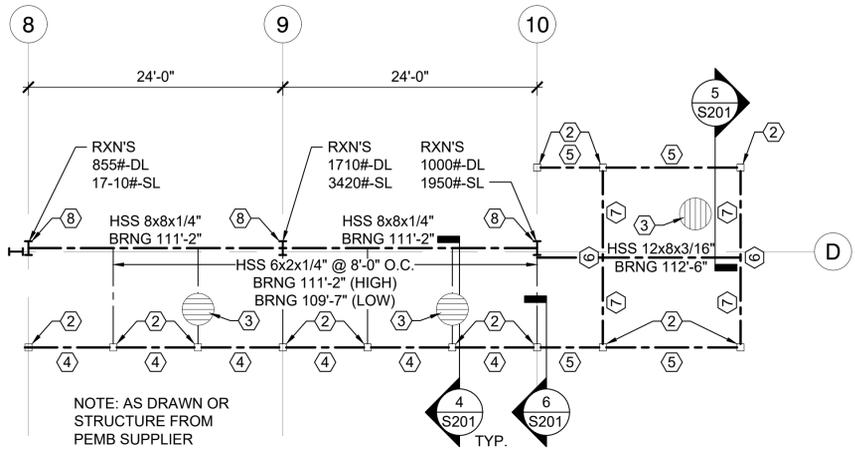
Sheet Title:  
**TYPICAL DETAILS**

Job Number:  
 Sheet No.

**S004**

**PERMIT & BID SET**  
 07-25-2022

**Luchini Trujillo**  
 Structural Engineers  
 2019 Galisteo St. D2, Santa Fe, NM 87505  
 4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109  
 505.424.3232 www.LTSENG.com info@ltseng.com



1 PORTAL FRAMING PLAN  
S101

**GENERAL NOTES**

CONTRACTOR TO VERIFY AND COORDINATE ALL OPENINGS, SLAB DEPRESSIONS, AND SLOPES IN CONCRETE FOR DRAINAGE WITH ARCHITECTURAL AND PLUMBING PLANS.

ALL ELEVATIONS SHOWN ON STRUCTURAL PLANS ARE TO BE MEASURED FROM FIRST FLOOR SLAB

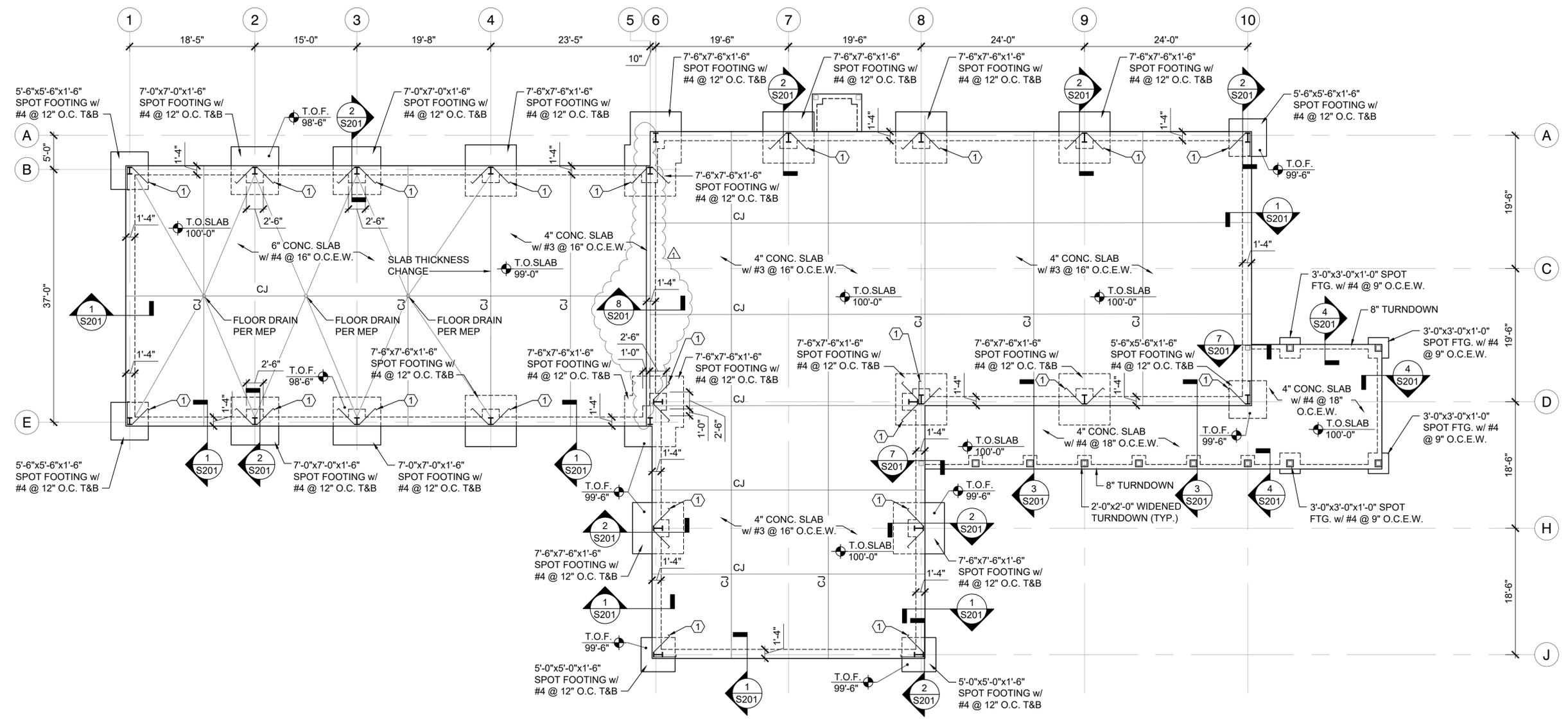
SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR CORRECT BASE ELEVATIONS OF FIRST FLOOR SLABS FROM SITE BENCH MARK.

ENGINEERED METAL BUILDING SYSTEM DESCRIPTION: RIGID CLEAR SPAN w/ END WALL COLUMNS.

CONTRACTOR TO COORDINATE AND VERIFY METAL BUILDING MANUFACTURER ANCHOR BOLT LOCATIONS, CENTERLINE OF FOOTINGS, AND FACE OF STEEL PRIOR TO PLACEMENT OF CONCRETE.

CONTRACTOR OPTION FOR SLAB REINFORCING:  
 4" SLAB: 6x6-W4xW4 PROVIDED IN SHEETS & LOCATED MID-SLAB WHEN PLACED  
 6" SLAB: 4x4-W4xW4 PROVIDED IN SHEETS & LOCATED MID-SLAB WHEN PLACED

- KEYED NOTES**
- HAIRPIN w/ STD 90 DEG HOOK AT EACH END. WRAP AROUND ANCHOR BOLTS (TYP) HAIRPIN DIAMETER AND DIMENSION TBD
  - HSS 8x8x3/16"
  - 2x8 T&G PLANKS w/ (3) SIMPSON TB1460S @ END SUPPORTS AND (2) SIMPSON TB1460S @ INTERMEDIATE SUPPORTS. AS DRAWN OR STRUCTURE FROM PEMS SUPPLIER
  - HSS 8x6x3/16" BRNG 108'-11"
  - HSS 8x6x3/16" BRNG 111'-0"
  - HSS 12x8x3/16" (HIGH)
  - HSS 12x8x3/16" (LOW)
  - PEMB COLUMN PER MANUF.



2 FOUNDATION PLAN  
S101 1/8" = 1'-0"

**Lloyd & Associates ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com

**CERILLOS SENIOR CENTER AND TURQUOISE TRAIL # 3 FIRE STATION**  
 LOT 3, SECTION 17, T.14N., R.8E., N.M.P.M.  
 SANTA FE COUNTY, NEW MEXICO

Current Status:  
**PERMIT**

REVISIONS	
Δ	ADDENDUM 1 10/13/21

Drawn by: MT  
 Checked by: AEL,JJS  
 Date: 10-13-21  
 Sheet Title: PLANS



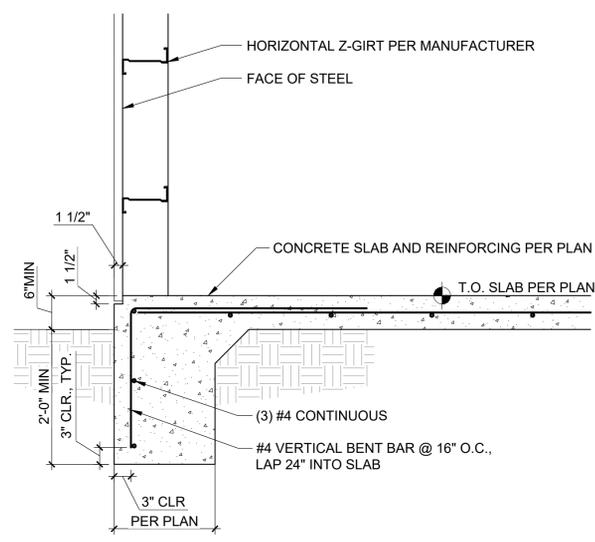
**Luchini Trujillo Structural Engineers**

**PERMIT & BID SET**  
 07-25-2022

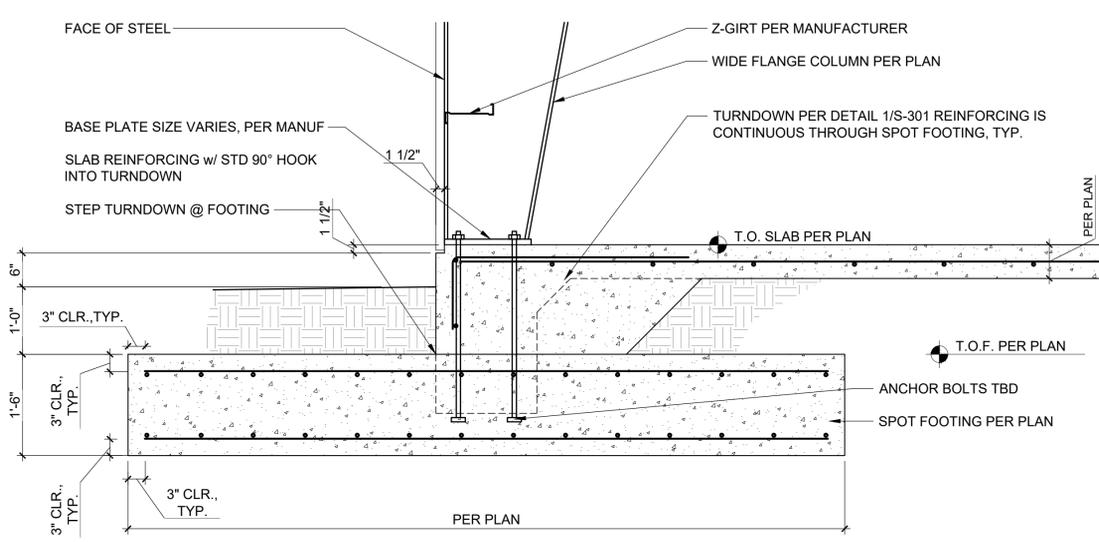
2019 Galisteo St. D2, Santa Fe, NM 87505  
 4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109  
 505.424.3232 www.LTSENG.com info@tseng.com

S101

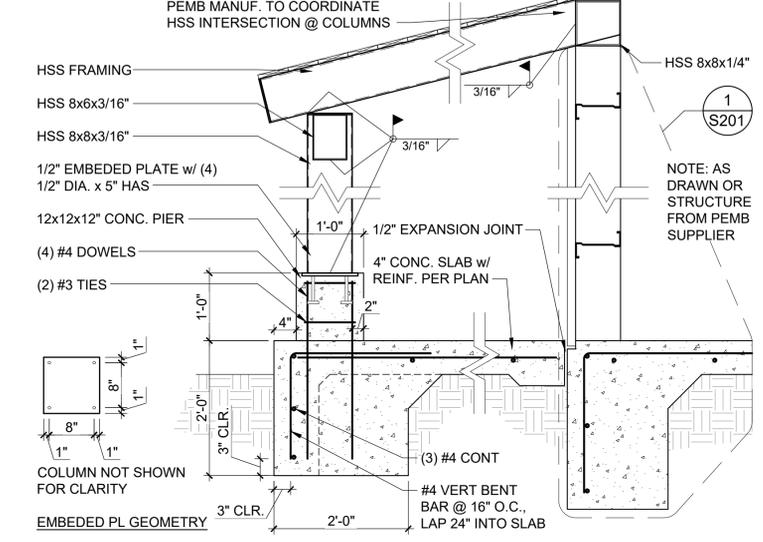
PLOT DATE: Oct 13, 2021, 2:01pm  
 FILENAME: D:\Dropbox\LTS Consulting\Main\Projects\2086 Madrid Fire Station\2086 Madrid Fire Station.dwg



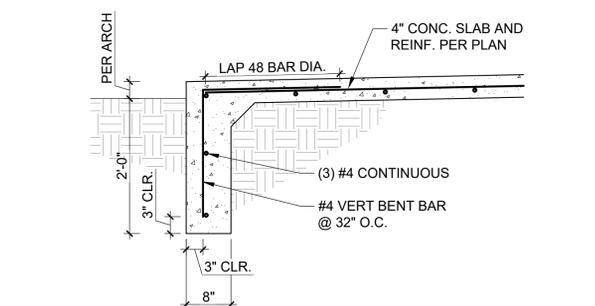
**1 MONOLITHIC TURNDOWN CONCRETE SLAB EDGE**  
 S201 3/4" = 1'-0"



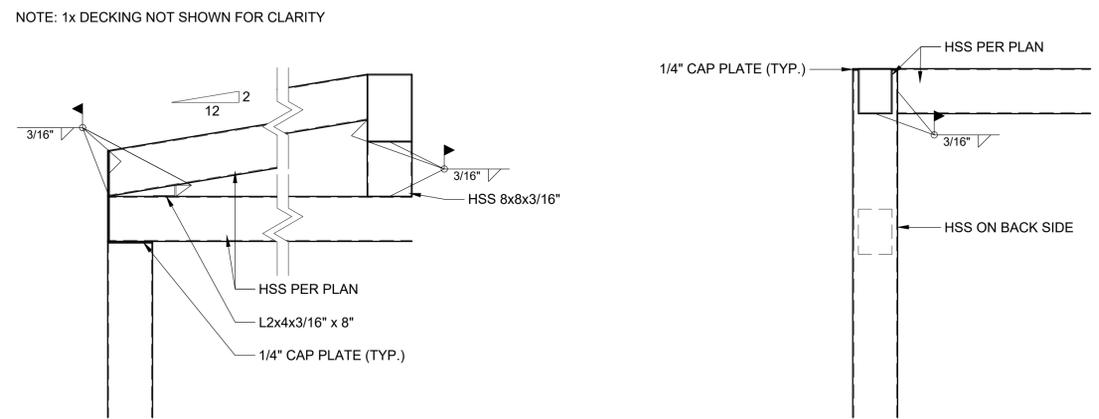
**2 SPOT FOOTING AT COLUMN BEARING LOCATION**  
 S201 3/4" = 1'-0"



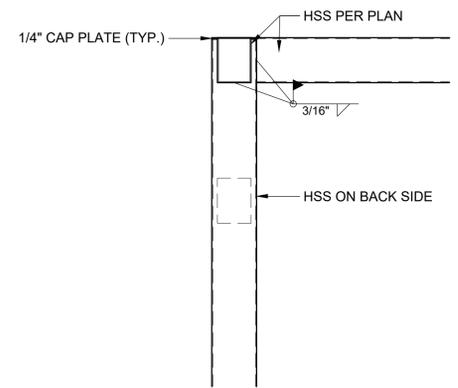
**3 PATIO CONFIGURATION @ METAL BUILDING**  
 S201 3/4" = 1'-0"



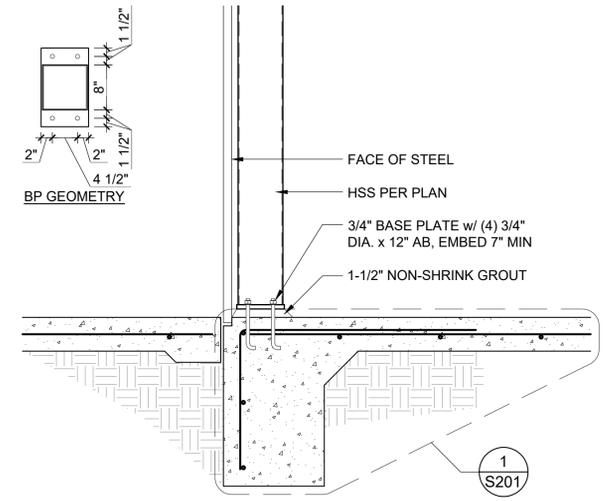
**4 TYPICAL PATIO TURNDOWN**  
 S201 3/4" = 1'-0"



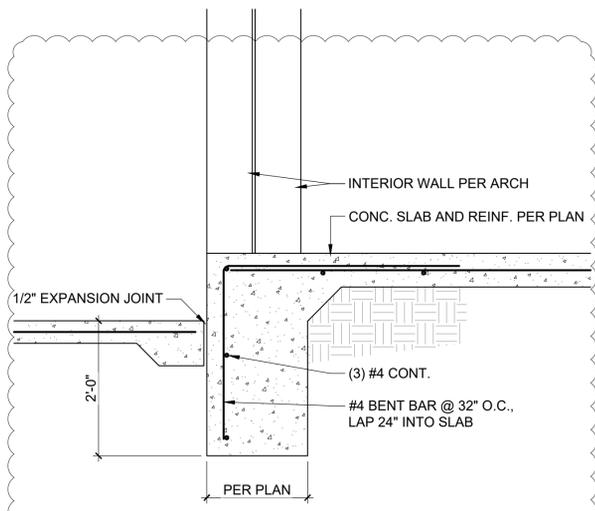
**5 HSS GABLE FRAMING**  
 S201 3/4" = 1'-0"



**6 HSS FRAMING @ ROOF ELEVATION CHANGE**  
 S201 3/4" = 1'-0"



**7 PORTAL COLUMN @ MONOLITHIC TURNDOWN**  
 S201 3/4" = 1'-0"



**8 MONOLITHIC TURNDOWN @ SLAB STEP**  
 S201 3/4" = 1'-0"

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N. Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com

**CERILLOS SENIOR CENTER  
 AND TURQUOISE TRAIL # 3  
 FIRE STATION**  
 LOT 3, SECTION 17, T. 14N., R. 8E., N.M.P.M.  
 SANTA FE COUNTY, NEW MEXICO

Current Status:  
**PERMIT**

REVISIONS	
△	ADDENDUM 1 10/13/21

Drawn by: **MT**  
 Checked by: **AEL,JJS**  
 Date: **10-13-21**

Sheet Title:  
**DETAILS**

Job Number:  
 Sheet No.

**S201**



**Luchini Trujillo**  
 Structural Engineers

**PERMIT & BID SET**  
**07-25-2022**

2019 Galisteo St. D2, Santa Fe, NM 87505  
 4110 Wolcott Ave NE Ste C, Albuquerque, NM 87109  
 505.424.3232 www.LTSENG.com info@ltseng.com

PLOT DATE: Oct 13, 2021, 1:28pm  
 FILENAME: D:\Dropbox\LTS\Consultant\Main\Projects\2086 Madrid Fire Station\Base Plans\2086 Madrid Fire Station.dwg

**NOTE:**

THE ADMINISTRATOR MAY APPROVE THE SUBMITTAL OF AN ALTERNATIVE LANDSCAPING PLAN IN CONJUNCTION WITH THE SITE DEVELOPMENT PLAN, WHICH MODIFIES OR REMOVES REQUIRED LANDSCAPING, IN THE FOLLOWING CIRCUMSTANCES: WHERE AREA TO BE SCREENED IS NOT VISIBLE, WHERE EXISTING LANDSCAPING OR TOPOGRAPHIC FEATURES PROVIDES ADEQUATE BUFFERING, OR WHERE A SIX FOOT HIGH SOLID FENCE IS CONSTRUCTED IN LIEU OF LANDSCAPING.

**DESIGN STANDARDS:**

SANTA FE COUNTY 2014 DESIGN GUIDE (LOS CERRILLOS OVERLAY DISTRICT)  
SANTA FE COUNTY SUSTAINABLE LAND DEVELOPMENT CODE  
2015 LOS CERRILLOS COMMUNITY PLAN

HWY 14 SENIOR /COMMUNITY CENTER - ANALYSIS

WORK IS BEING PERFORMED PER 2015 NEW MEXICO COMMERCIAL BUILDING CODE NMCBC - TITLE 14 CHAPTER 7 PART 7  
ADOPTED MODEL CODE: 2015 INTERNATIONAL BUILDING CODE (IBC) (as amended by 14.7.7)

**ZONING AND LAND USE SUMMARY:**

LAND USE CLASSIFICATION: PUBLIC / INSTITUTIONAL  
SETBACKS: 10' FRONT / REAR, 5' SIDE  
HEIGHT LIMITATIONS: UP TO 30'

**PARKING:** 1/250 SF OF NET USED USABLE AREA = 23 SPACES + 5 EMPLOYEES = 25 SPACES REQUIRED

**SENIOR CENTER PROVIDED PARKING:**

REGULAR PARKING: 34 SPACES  
ADA PARKING: 3 SPACES  
BIKE RACK PARKING: 8 SPACES

**FIRE STATION PROVIDED PARKING:**

REGULAR PARKING: 6 SPACES  
ADA PARKING: 2 SPACES

**GENERAL NOTES:**

A- CONTRACTOR SHALL PROVIDE UTILITY LOCATE BEFORE CONSTRUCTION.

B- SITE SHALL BE CLEANED AND GRUBBED WITH EXISTING ELEMENTS INCLUDING FENCING IN AREA OF WORK REMOVED.

C- SEE LANDSCAPING DRAWINGS FOR PLANTING IRRIGATION AND GROUND COVER.

**KEYED NOTES:**

- 1 POLE LIGHTING; SEE ELECTRICAL DWGS.
- 2 ABOVE GROUND CISTERN; SEE LANDSCAPE DWGS.
- 3 PEDESTRIAN CROSS WALK PAINTING WITH DETECTABLE WARNING STRIP AT TRANSITIONS TO SIDEWALKS.
- 4 ADA PARKING WITH RAMP AND SIGNAGE; SEE SHEET A002.
- 5 CONC. DRIVE APRON; SEE STRUC. & CIVIL DWGS.
- 6 LANDSCAPE ISLAND WITH SWALES AND NATIVE GRASSES FOR RUNOFF COLLECTION; SEE CIVIL DRAWINGS.
- 7 HOT BOX AND LANDSCAPE CONTROLS.
- 8 NEW ASPHALT PARKING AND ACCESS ROAD; SEE CIVIL DRAWINGS.
- 9 GROUND MOUNTED MECHANICAL EQUIPMENT ON CONC. PAD SEE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS

**Lloyd & Associates**  
**ARCHITECTS**

100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1105  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER  
& TURQUOISE TRAIL FIRE  
STATION #3**

16 MAIN STREET, CERRILLOS,  
NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

**REVISIONS**

NO.	DATE	DESCRIPTION

Drawn by: **RL/KL**

Checked by: **SM**

Date: **07-25-2022**

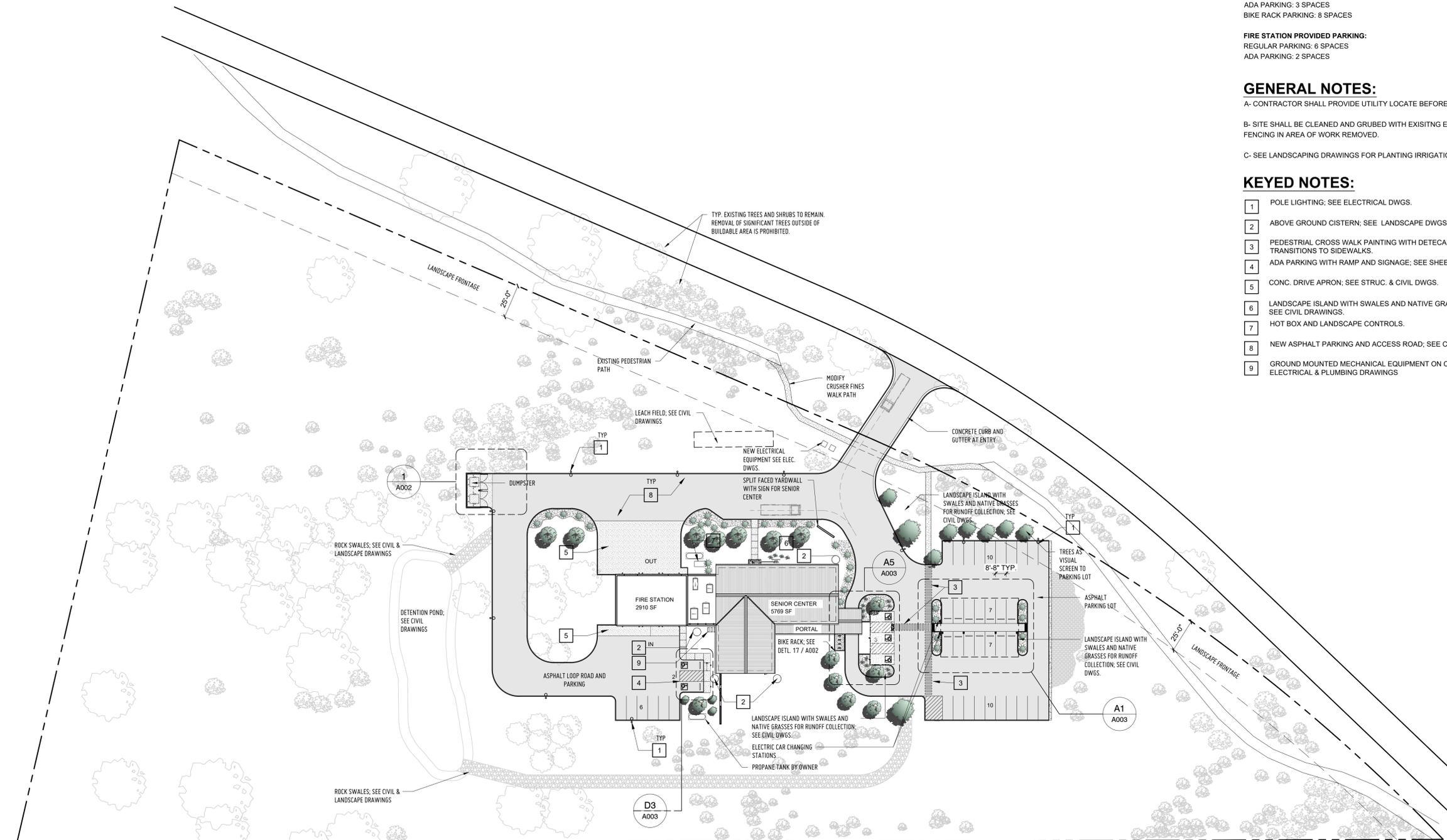
Sheet Title:

**SITE PLAN**

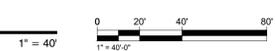
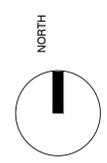
Job Number: **2022-24**

Sheet No.

**A001**



**PERMIT & BID SET**  
**07-25-2022**



**A1 SITE PLAN**

PLOT DATE: Jul 25, 2022, 4:38pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\A\_SHEET\2009\_A001.dwg

1 2 3 4 5 6

**PERMIT & BID SET**  
07-25-2022

**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**  
Checked by: **SM**

Date: **07-25-2022**

Sheet Title:  
**SITE DETAILS**

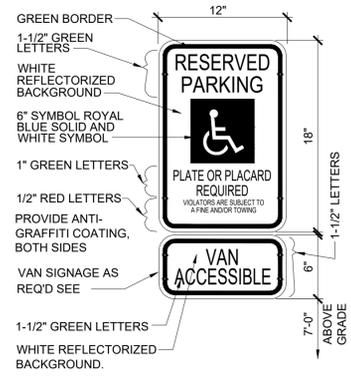
Job Number: **2022-24**

Sheet No.

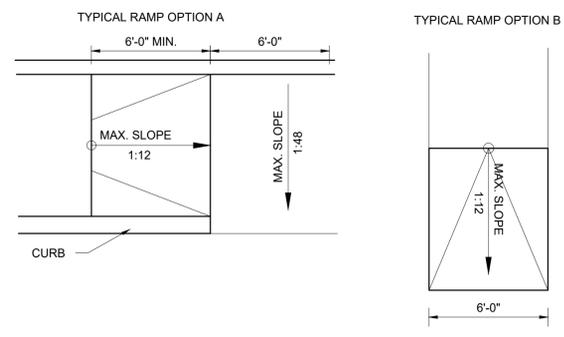
**A002**

PLOT DATE: Jul 25, 2022, 4:38pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD02\_ARCH\_SHEET\2009\_A002.dwg

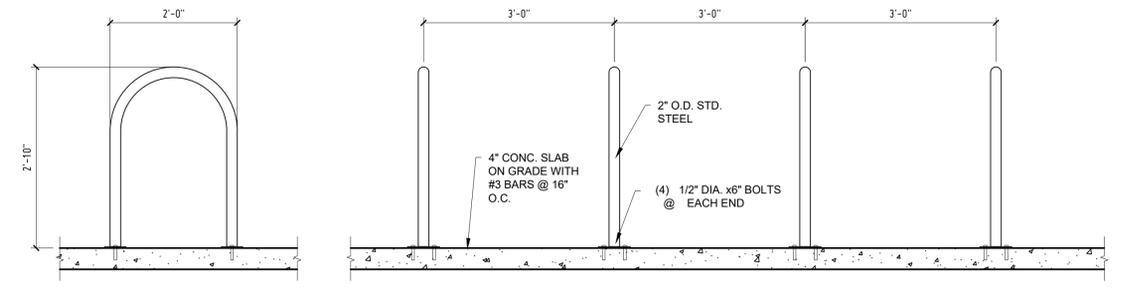
**15 RESERVED PARKING SIGNS**  
NOT TO SCALE



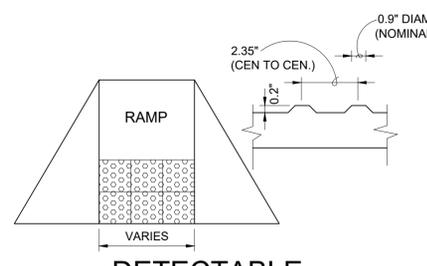
**16 CURB ACCESS RAMPS**  
NOT TO SCALE



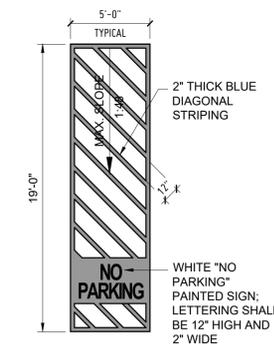
**17 BIKE RACK DETAILS**



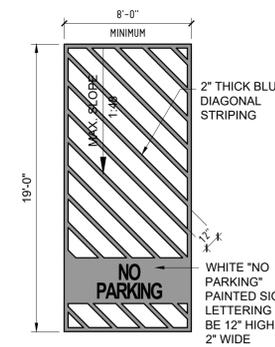
**10 DETECTABLE WARNING SURFACE**  
NOT TO SCALE



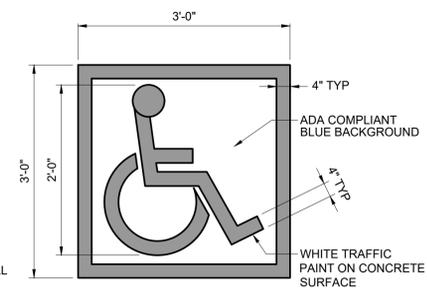
**11 TYP. ACCESS AISLE**



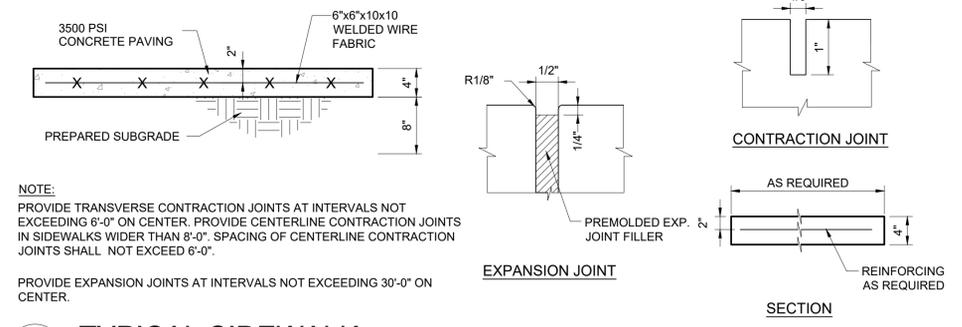
**12 TYP. VAN ACCESS AISLE**



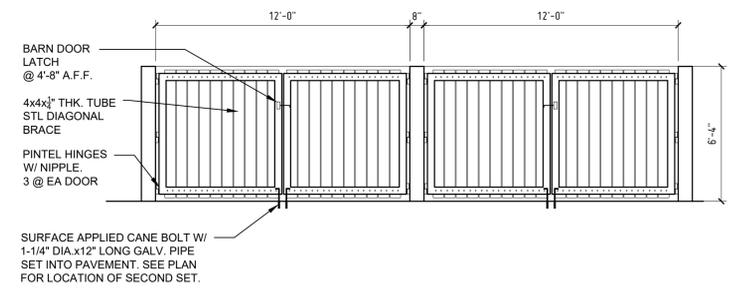
**13 RESERVED SYMBOL**  
NOT TO SCALE



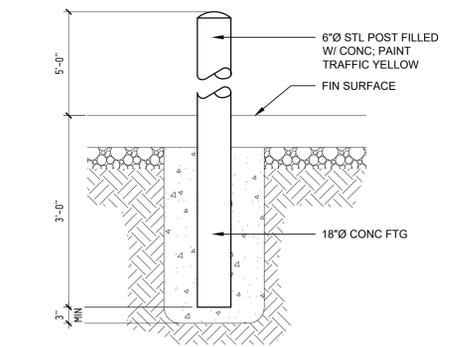
**14 TYPICAL SIDEWALK**  
NOT TO SCALE



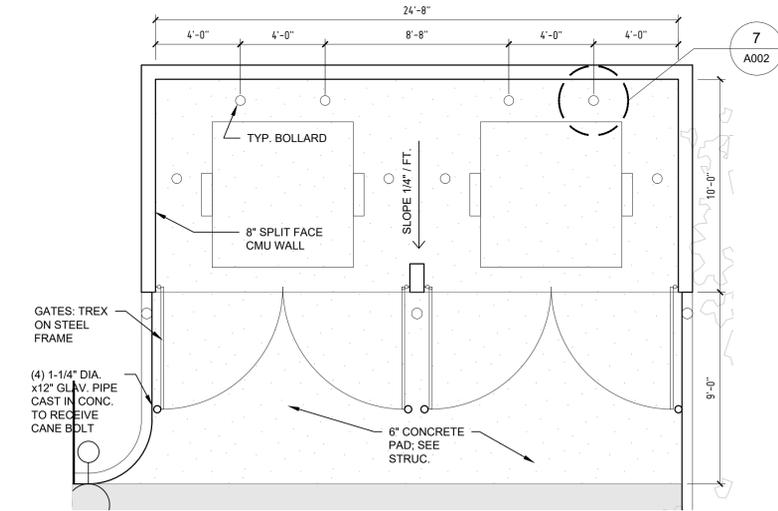
**6 DUMPSTER GATE ELEVATION**  
1/4" = 1'-0"



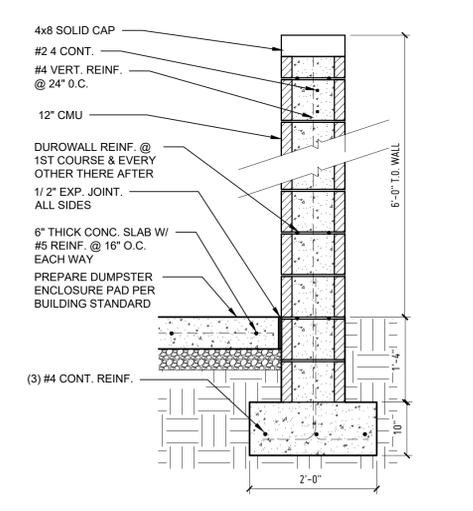
**7 BOLLARD DETAIL**  
3/4" = 1'-0"



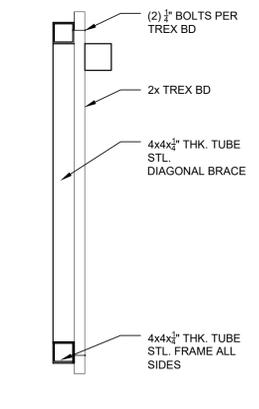
**1 DUMPSTER PLAN**  
1/4" = 1'-0"



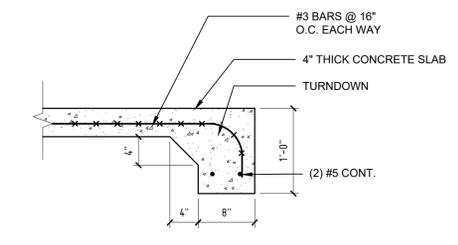
**2 DUMPSTER CMU WALL DETAIL**  
3/4" = 1'-0"



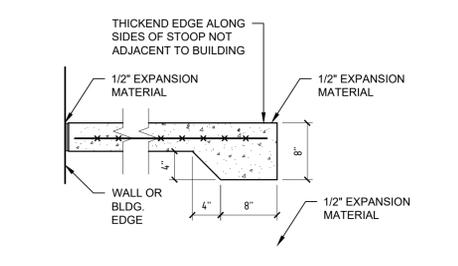
**3 GATE DETAIL**  
3/4" = 1'-0"



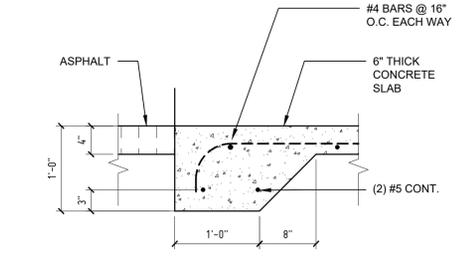
**4.3 DRIVEWAY APRON DETAIL**  
1" = 1'-0"



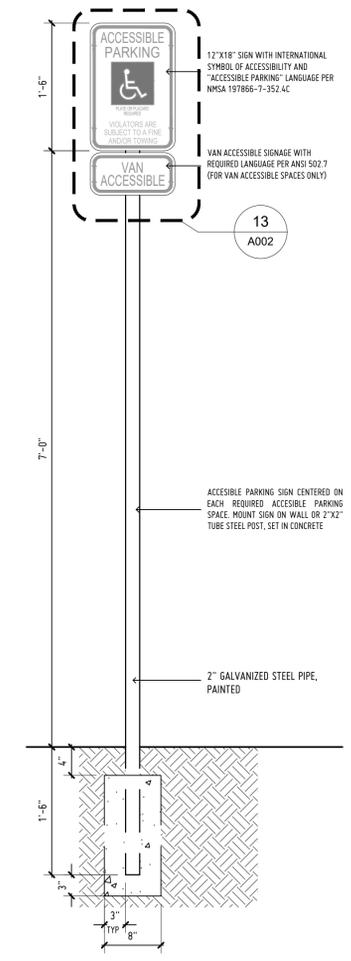
**4.2 CONC. STOOP DETAIL**  
1" = 1'-0"



**4.1 DUMPSTER APRON DETAIL**  
1" = 1'-0"

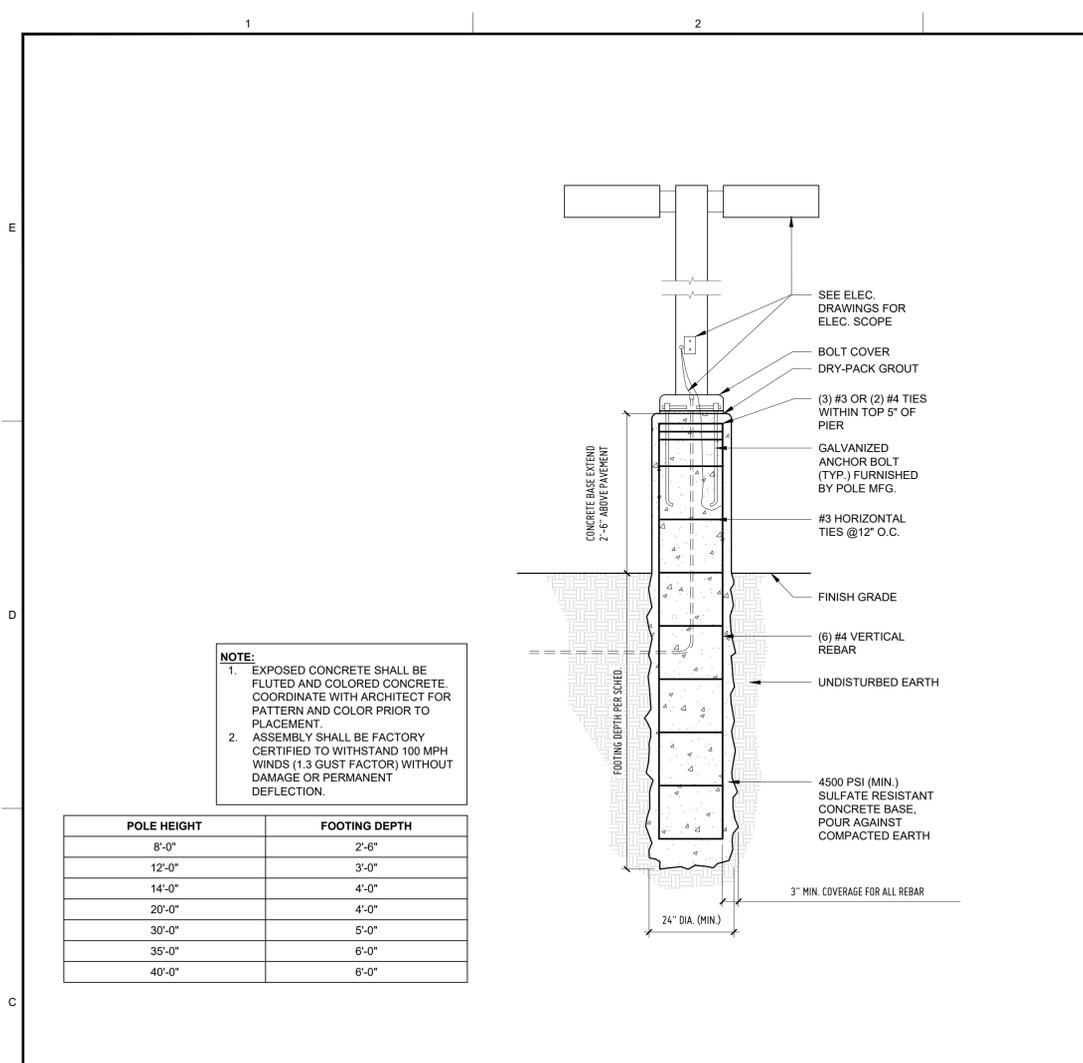


**5 ADA PARKING SIGN**  
1" = 1'-0"



**A002**

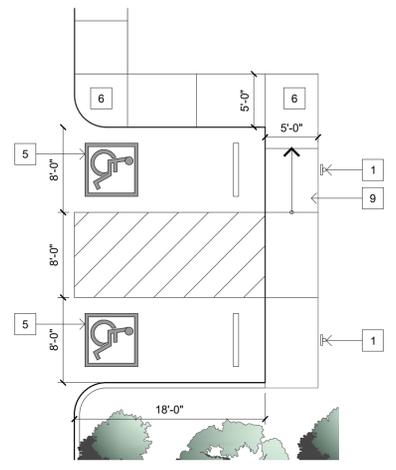
PLOT DATE: Jul 25, 2022, 4:37pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD02\_ARCH\_SHEET\2009\_A003.dwg



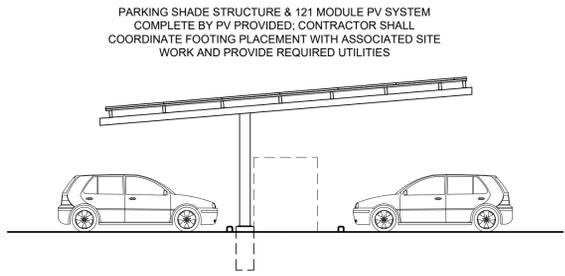
**NOTE:**

- EXPOSED CONCRETE SHALL BE FLUTED AND COLORED CONCRETE. COORDINATE WITH ARCHITECT FOR PATTERN AND COLOR PRIOR TO PLACEMENT.
- ASSEMBLY SHALL BE FACTORY CERTIFIED TO WITHSTAND 100 MPH WINDS (1.3 GUST FACTOR) WITHOUT DAMAGE OR PERMANENT DEFLECTION.

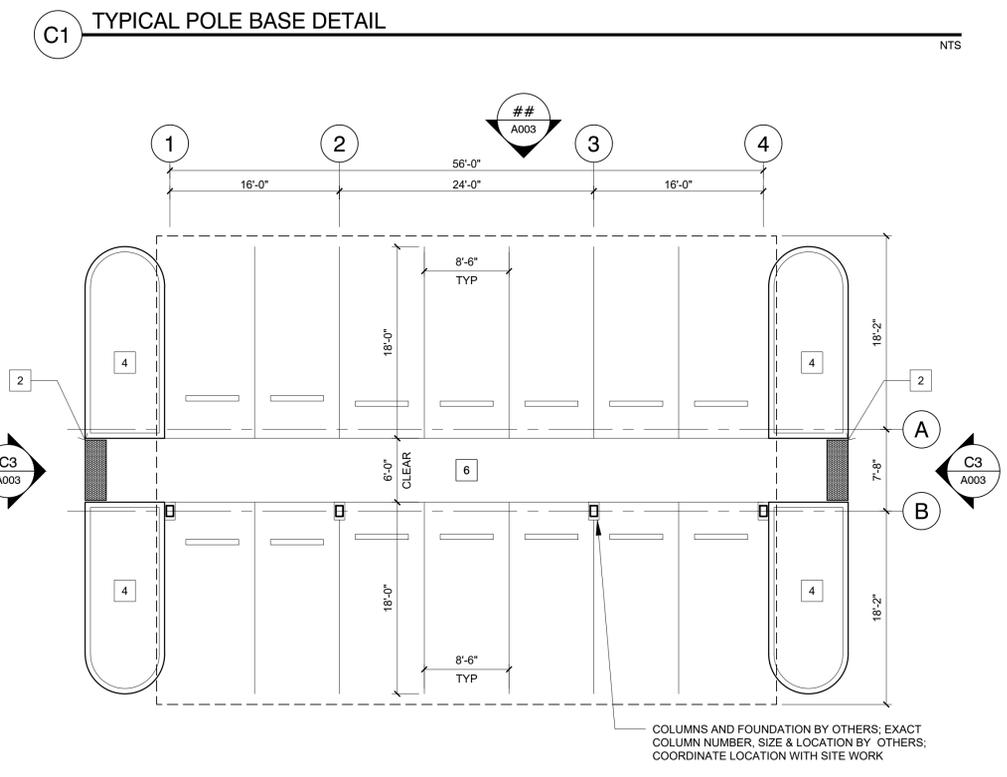
POLE HEIGHT	FOOTING DEPTH
8'-0"	2'-6"
12'-0"	3'-0"
14'-0"	4'-0"
20'-0"	4'-0"
30'-0"	5'-0"
35'-0"	6'-0"
40'-0"	6'-0"



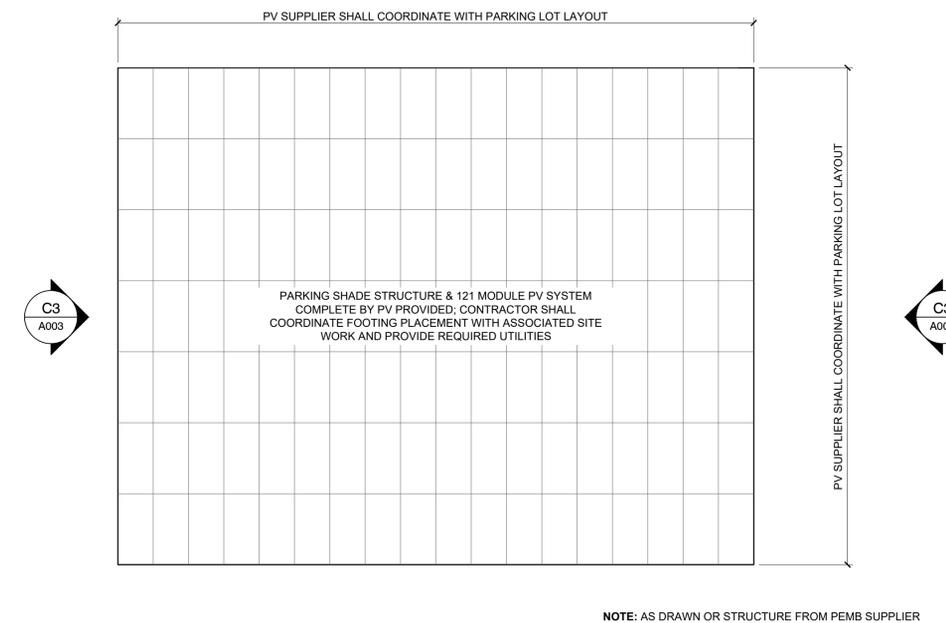
**D3 ENLARGED PLAN - FIRE STATION ACCESSIBLE PARKING** 1/8" = 1'-0"



**C3 TYPICAL PARKING SHADE ELEVATION & SECTION** 1/8" = 1'-0"



**A1 ENLARGED PLAN - PARKING SHADE** 1/8" = 1'-0"



**A3 PARKING SHADE - ROOF PLAN** 1/8" = 1'-0"

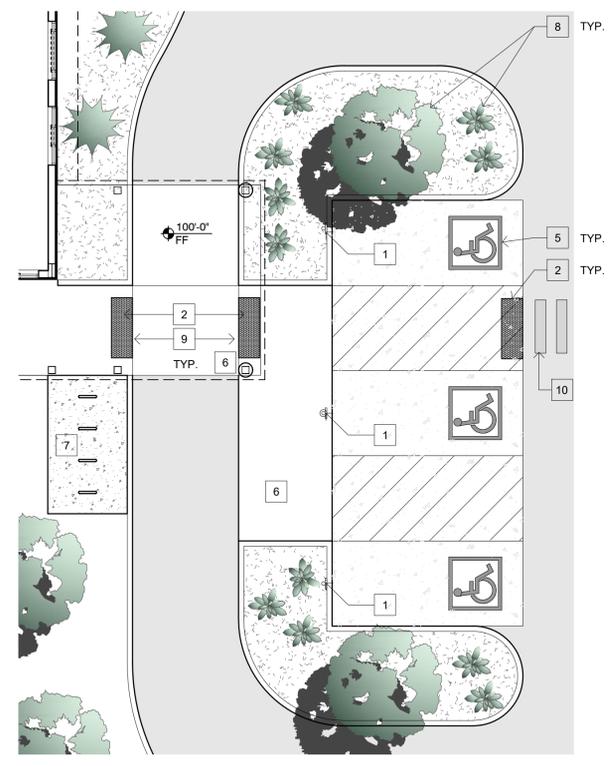
**GENERAL NOTES:**

- CONTRACTOR SHALL PROVIDE UTILITY LOCATE BEFORE CONSTRUCTION.
- SITE SHALL BE CLEANED AND GRUBBED WITH EXISTING ELEMENTS INCLUDING FENCING IN AREA OF WORK REMOVED.
- SEE LANDSCAPING DRAWINGS FOR PLANTING IRRIGATION AND GROUND COVER.

**KEYED NOTES:**

- ADA PARKING SIGN; SEE DETAIL 5/A002
- DETECTABLE WARNING STRIP; SEE DETAIL 10/A002
- ELECTRIC CAR CHARGING STATION; DUAL PORT WITH SPEC WITH CABLE ON PORT TO ADEQUATELY REACH BOTH SPACES; SEE ELEC. DRAWINGS.
- LANDSCAPE ISLAND WITH SWALES AND NATIVE GRASSES FOR RUNOFF COLLECTION; SEE CIVIL DRAWINGS.
- ADA STALL, ACCESS AISLE AND ADA SYMBOL; SEE SHEET A002.
- CONC. SIDEWALK (WIDTH PER PLAN) & CONTROL JOINT LAYOUT; SEE DETAIL 14/A002
- BIKE RACK; SEE DETAIL 17/A002
- NEW PLANTINGS; SEE LANDSCAPE DRAWINGS
- NEW ACCESSIBLE RAMP; SEE DETAIL 16/A002
- PEDESTRIAN CROSSWALK STRIPING; SEE SHEET A001 FOR FULL SCOPE

**PERMIT & BID SET**  
 07-25-2022



**A5 ENLARGED PLAN - ADA PARKING ISLAND** 1/8" = 1'-0"

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**  
 Checked by: **SM**

Date: **07-25-2022**

Sheet Title:  
**SITE DETAILS**

Job Number: **2022-24**

Sheet No.

A003

**GENERAL NOTES:**

- A. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD
- B. SEE SHEET G004 FOR PARTITION TYPES.
- C. SEE SHEET A-501 FOR OPENING TYPES.
- D. SEE SHEET A601 FOR ROOM FINISH SCHEDULES.

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER  
 & TURQUOISE TRAIL FIRE  
 STATION #3**  
 16 MAIN STREET, CERRILLOS,  
 NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**  
 Checked by: **SM**

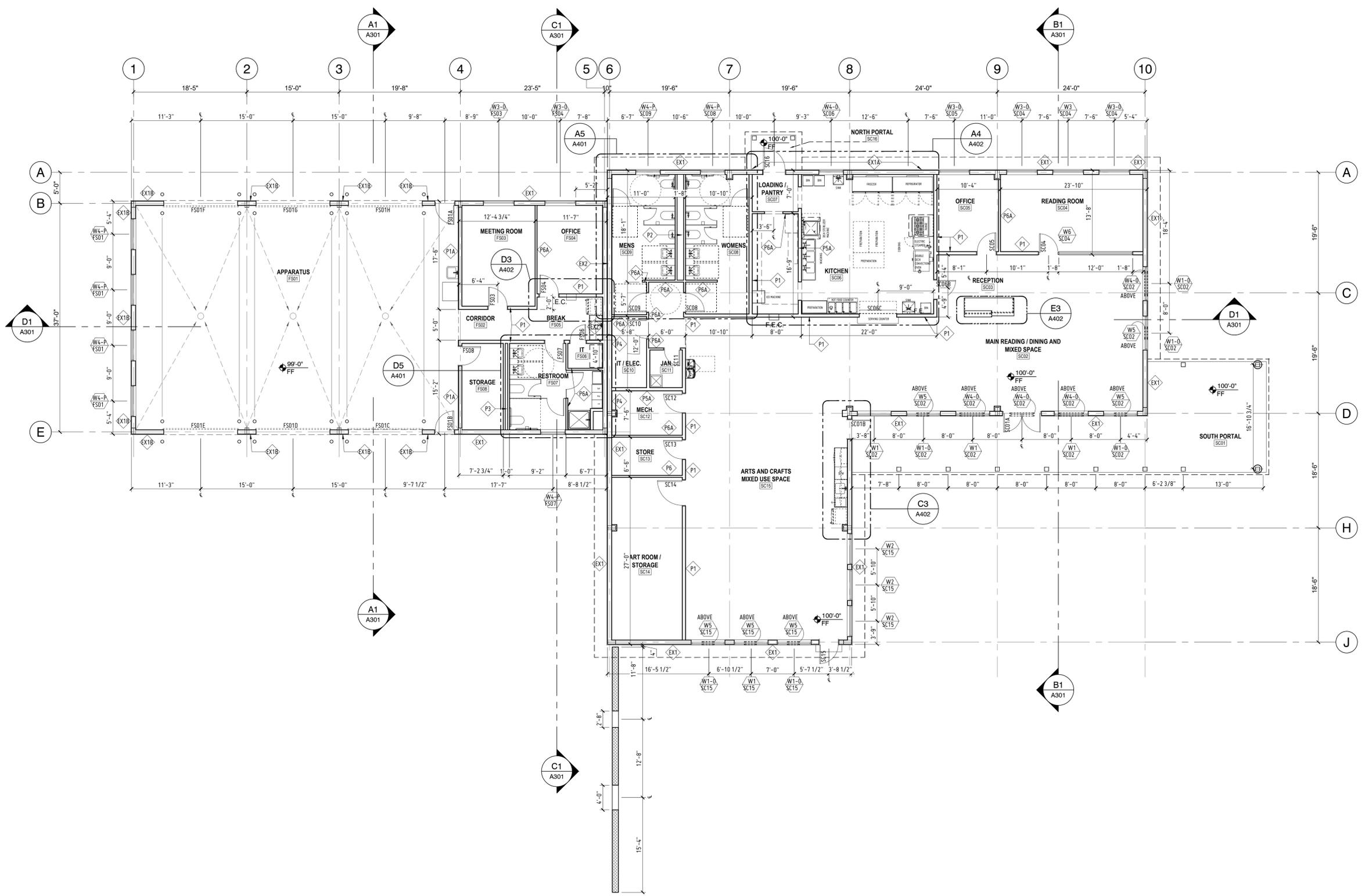
Date: **07-25-2022**

Sheet Title:  
**FLOOR PLAN**

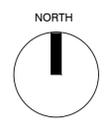
Job Number: **2022-24**

Sheet No.

**A101**



**PERMIT & BID SET**  
 07-25-2022



**A1 FLOOR PLAN**

1/8" = 1'-0"

PLOT DATE: Jul 25, 2022, 4:37pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD02\_ARCH1\_SHEET2009\_A101.dwg

**GENERAL NOTES:**

- A. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD
- B. SEE SHEET L-002 FOR WATER CATCHMENT SYSTEM

**Lloyd & Associates**  
**ARCHITECTS**

100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER  
& TURQUOISE TRAIL FIRE  
STATION #3**

16 MAIN STREET, CERRILLOS,  
NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**  
Checked by: **SM**

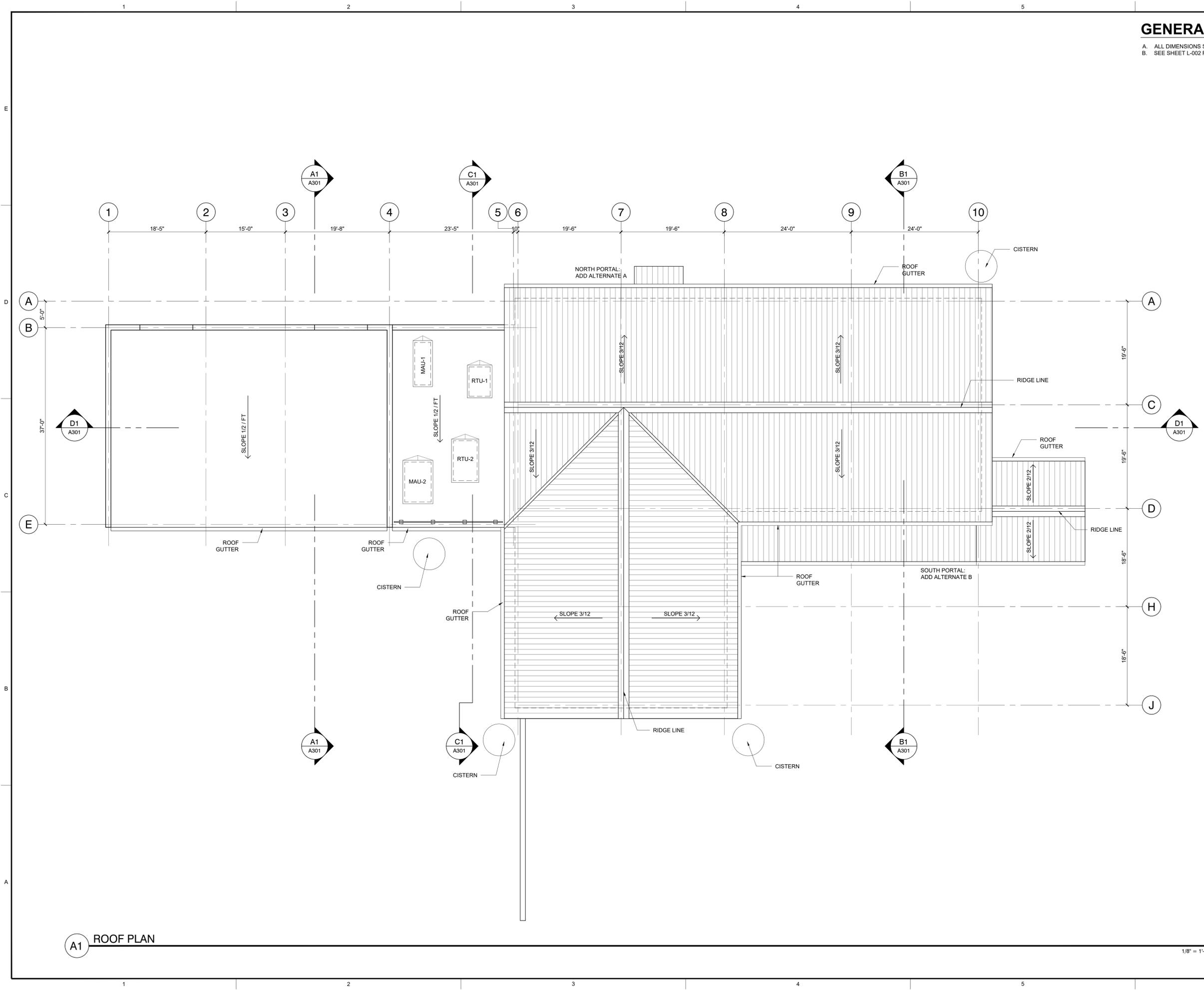
Date: **07-25-2022**

Sheet Title:  
**ROOF PLAN**

Job Number: **2022-24**

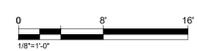
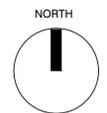
Sheet No.

**A102**



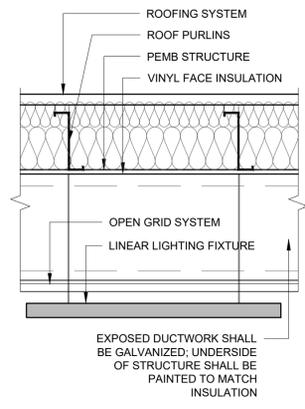
**A1 ROOF PLAN**

**PERMIT & BID SET**  
**07-25-2022**

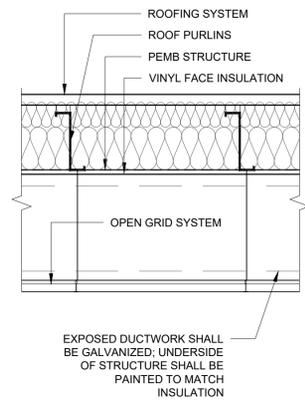


1/8" = 1'-0"

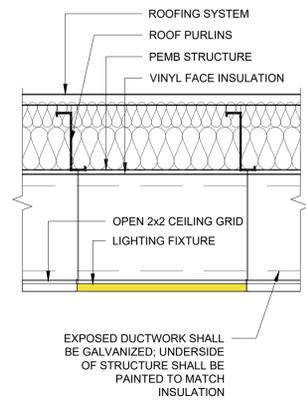
PLOT DATE: Jul 25, 2022, 4:37pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_A102.dwg



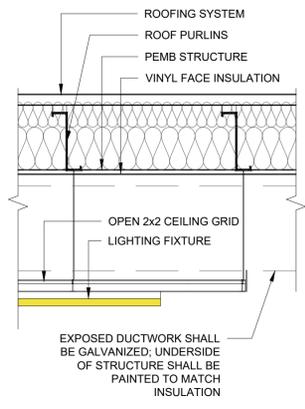
**E1** CEILING DETAIL @ LINEAR LIGHTING FIXTURE  
1" = 1'-0"



**E2** CEILING DETAIL - OPEN GRID SYSTEM  
1" = 1'-0"



**E3** CEILING DETAIL @ TYPICAL CEILING GRID  
1" = 1'-0"



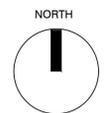
**E4** CEILING DETAIL @ EDGE OF HUNG GRID  
1" = 1'-0"

- LEGEND:**
- 2x2 FLAT PANEL LED LIGHT FIXTURE
  - CABLE HUNG 6' LINEAR LED LIGHT FIXTURE



**A1** REFLECTED CEILING PLAN  
1/8" = 1'-0"

**PERMIT & BID SET**  
07-25-2022



**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		

Drawn by: **RL/KL**  
Checked by: **SM**  
Date: **07-25-2022**  
Sheet Title:

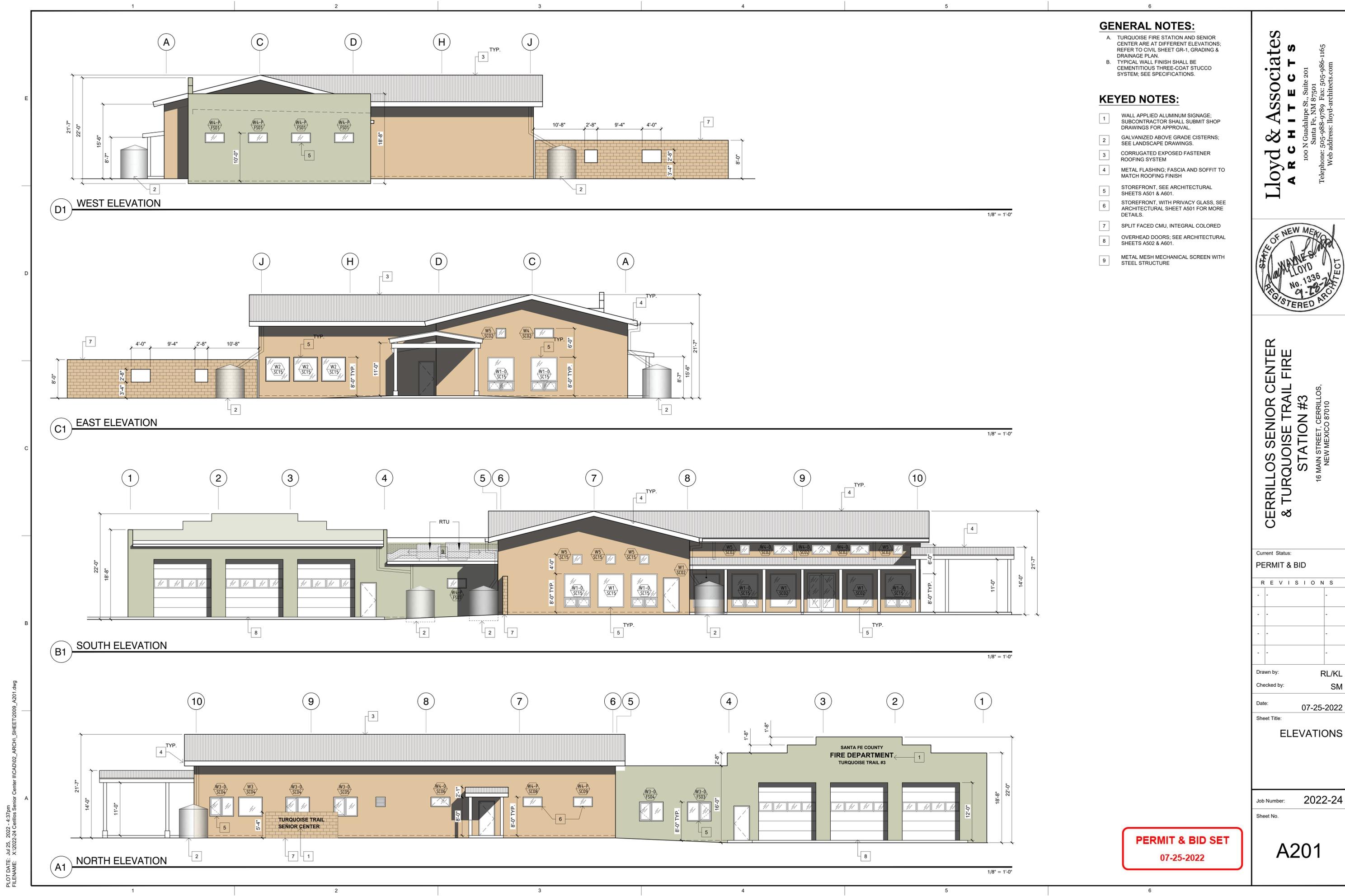
**REFLECTED CEILING PLAN**

Job Number: **2022-24**

Sheet No.

A111

PLOT DATE: Jul 25, 2022, 4:37pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD02\_ARCH\A111.dwg



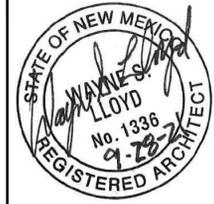
**GENERAL NOTES:**

- A. TURQUOISE FIRE STATION AND SENIOR CENTER ARE AT DIFFERENT ELEVATIONS. REFER TO CIVIL SHEET GR-1, GRADING & DRAINAGE PLAN.
- B. TYPICAL WALL FINISH SHALL BE CEMENTITIOUS THREE-COAT STUCCO SYSTEM; SEE SPECIFICATIONS.

**KEYED NOTES:**

- 1 WALL APPLIED ALUMINUM SIGNAGE; SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.
- 2 GALVANIZED ABOVE GRADE CISTERNS; SEE LANDSCAPE DRAWINGS.
- 3 CORRUGATED EXPOSED FASTENER ROOFING SYSTEM
- 4 METAL FLASHING; FASCIA AND SOFFIT TO MATCH ROOFING FINISH
- 5 STOREFRONT, SEE ARCHITECTURAL SHEETS A501 & A601.
- 6 STOREFRONT, WITH PRIVACY GLASS. SEE ARCHITECTURAL SHEET A501 FOR MORE DETAILS.
- 7 SPLIT FACED CMU, INTEGRAL COLORED
- 8 OVERHEAD DOORS; SEE ARCHITECTURAL SHEETS A502 & A601.
- 9 METAL MESH MECHANICAL SCREEN WITH STEEL STRUCTURE

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		

Drawn by: **RL/KL**  
 Checked by: **SM**  
 Date: **07-25-2022**  
 Sheet Title:

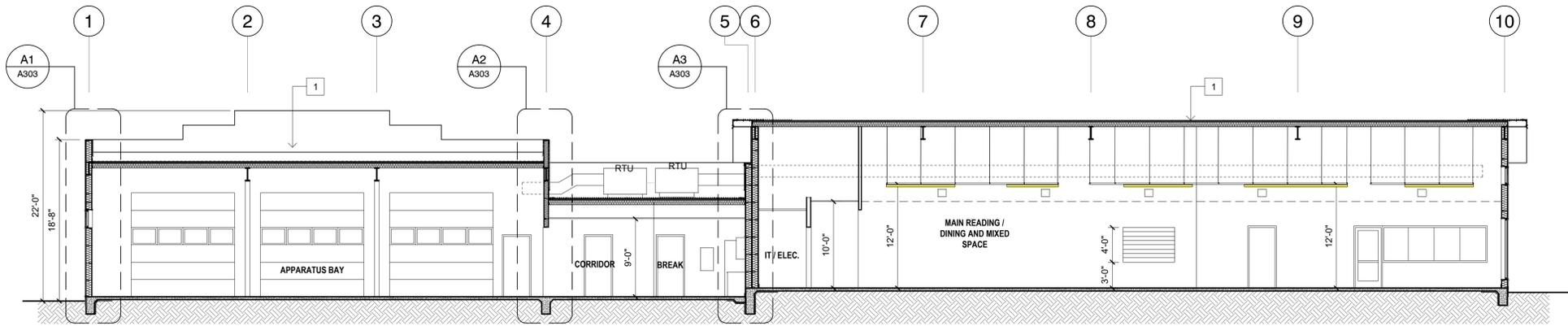
**ELEVATIONS**

Job Number: **2022-24**  
 Sheet No.

**PERMIT & BID SET**  
**07-25-2022**

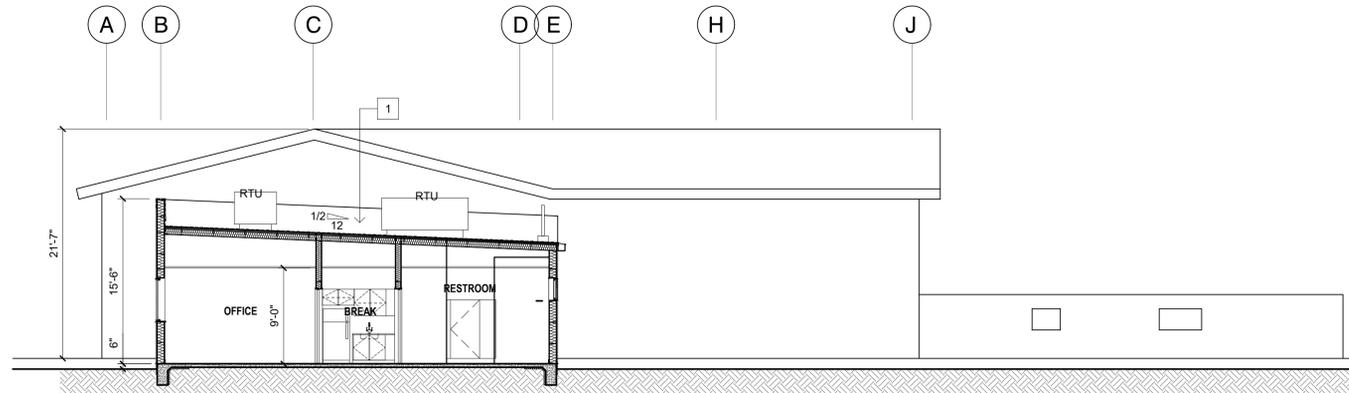
**A201**

PLOT DATE: Jul 25, 2022, 4:37pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_A201.dwg



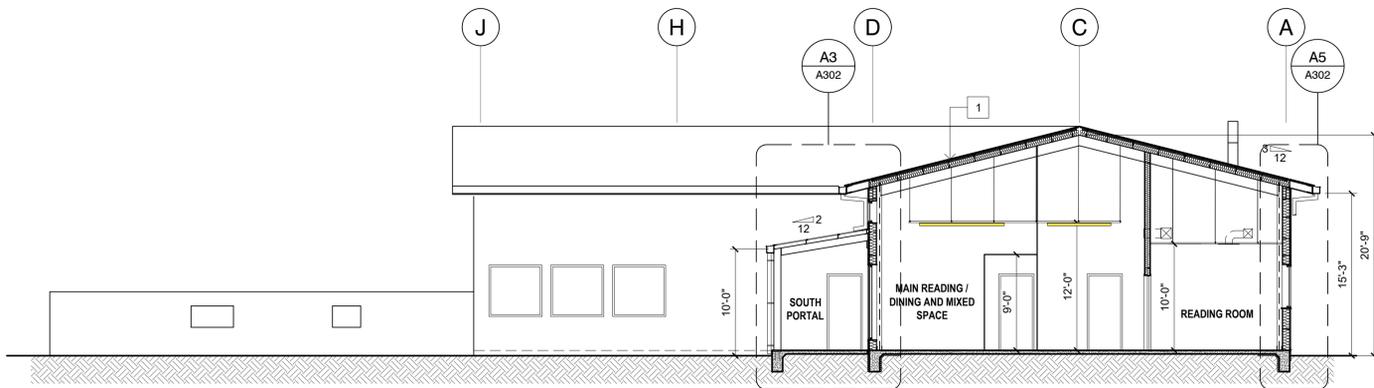
D1 BUILDING SECTION D

1/8" = 1'-0"



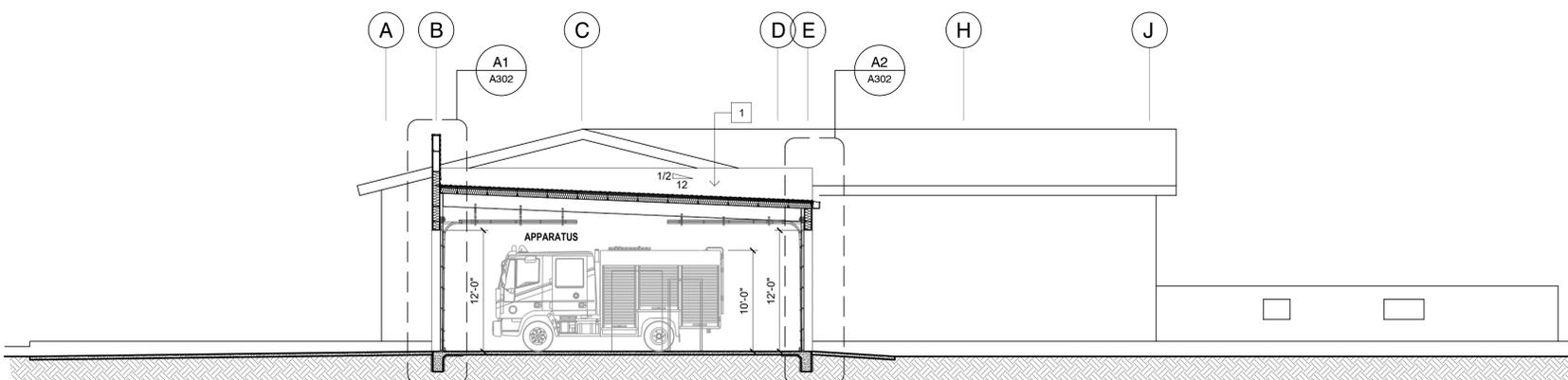
C1 BUILDING SECTION C

1/8" = 1'-0"



B1 BUILDING SECTION B

1/8" = 1'-0"



A1 BUILDING SECTION A

1/8" = 1'-0"

**GENERAL NOTES:**

- A. TURQUOISE FIRE STATION AND SENIOR CENTER ARE AT DIFFERENT ELEVATIONS. REFER TO CIVIL SHEET GR-1, GRADING & DRAINAGE PLAN.
- B. SEE GEOTECHNICAL REPORT FOR FOUNDATION AND EXCAVATION REQUIREMENTS.

**KEYED NOTES:**

- 1 CORRUGATED EXPOSED FASTENER

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		

Drawn by: **RL/KL**  
 Checked by: **SM**

Date: **07-25-2022**

Sheet Title:  
**SECTIONS**

Job Number: **2022-24**

Sheet No.

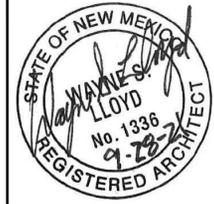
**PERMIT & BID SET**  
**07-25-2022**

**A301**

PLOT DATE: Jul 25, 2022, 4:37pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_A301.dwg

**PERMIT & BID SET**  
07-25-2022

**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		
---	---	---

Drawn by: **RL/KL**  
Checked by: **SM**

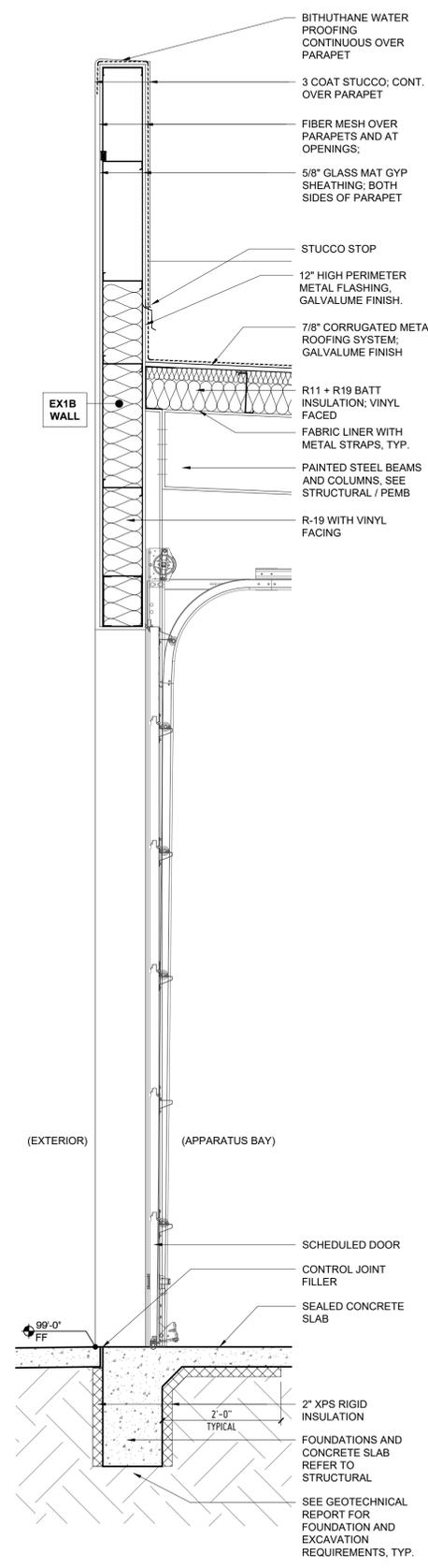
Date: **07-25-2022**

Sheet Title:  
**WALL SECTIONS**

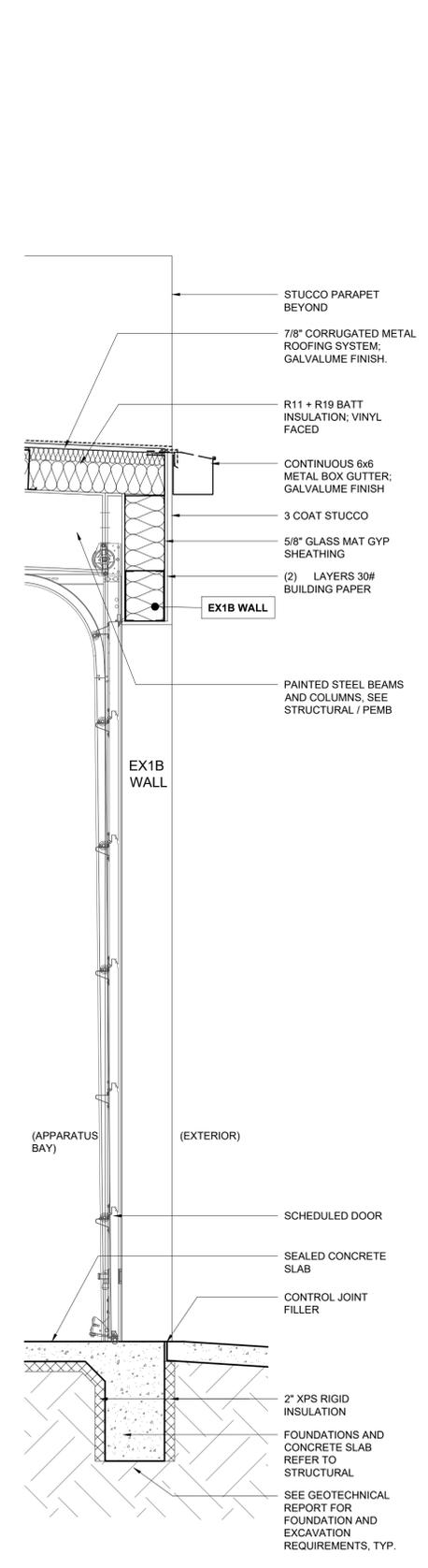
Job Number: **2022-24**

Sheet No.

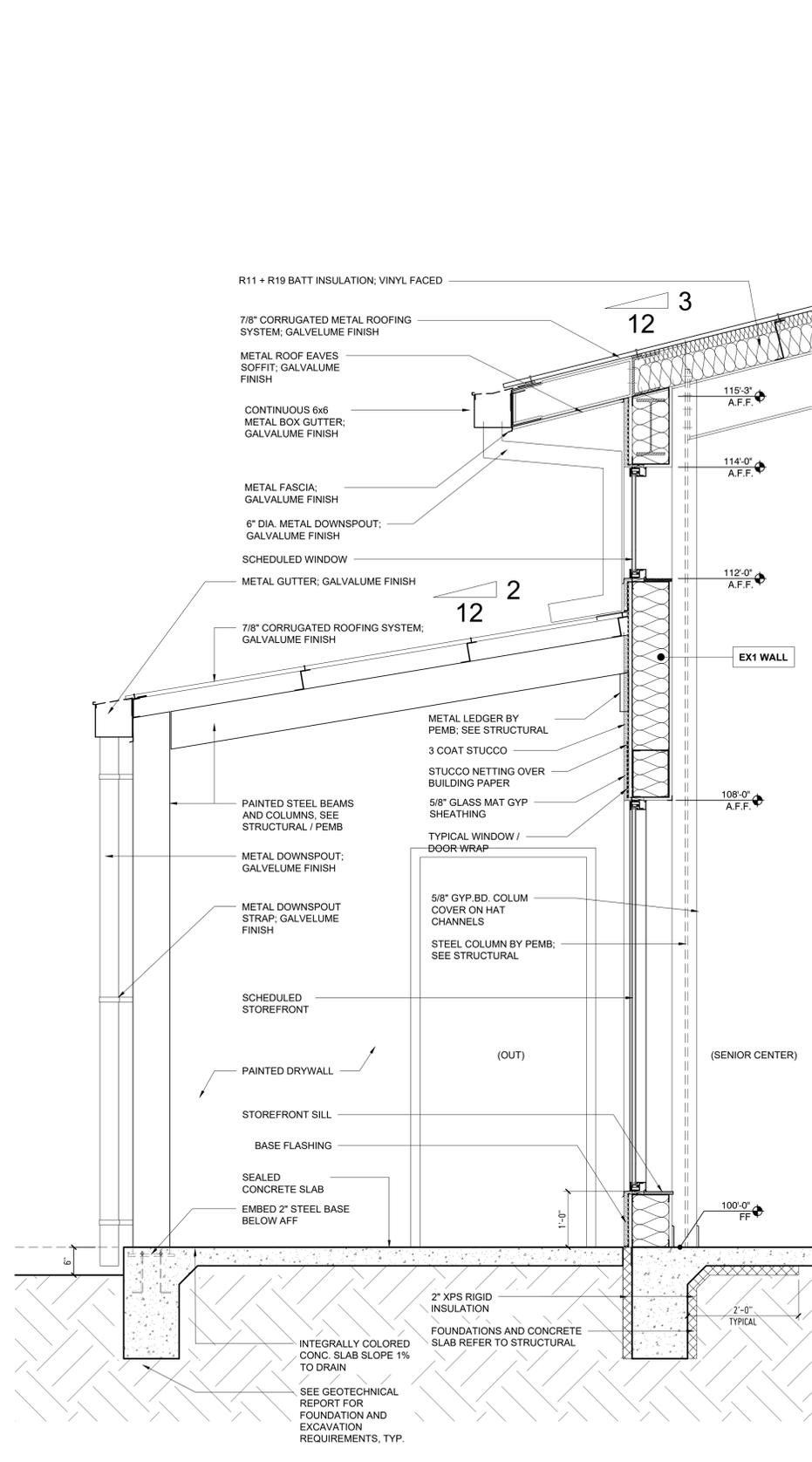
**A302**



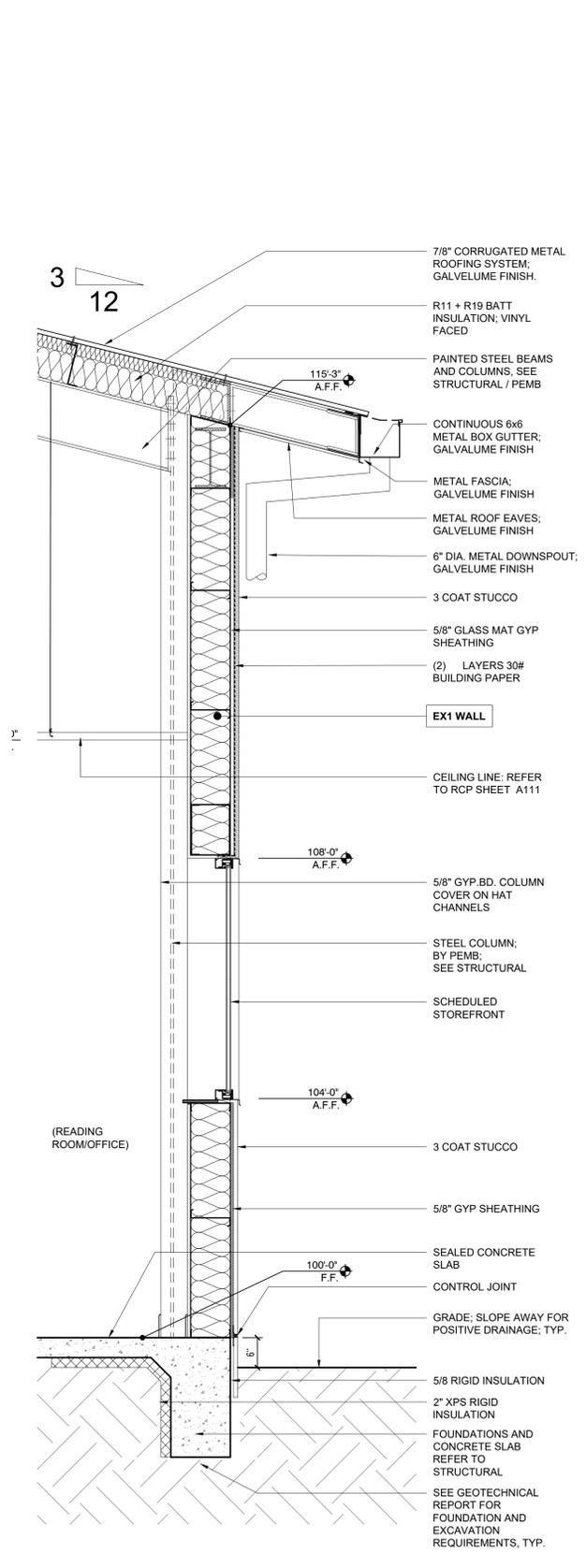
**A1 WALL SECTION A**  
3/4" = 1'-0"



**A2 WALL SECTION B**  
3/4" = 1'-0"



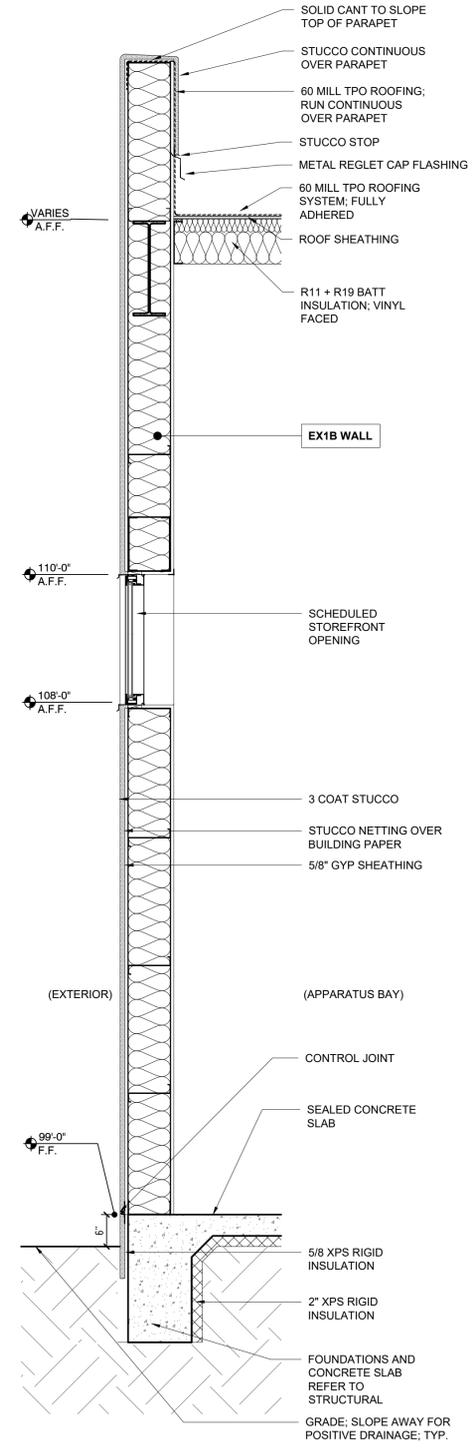
**A3 WALL SECTION C**  
3/4" = 1'-0"



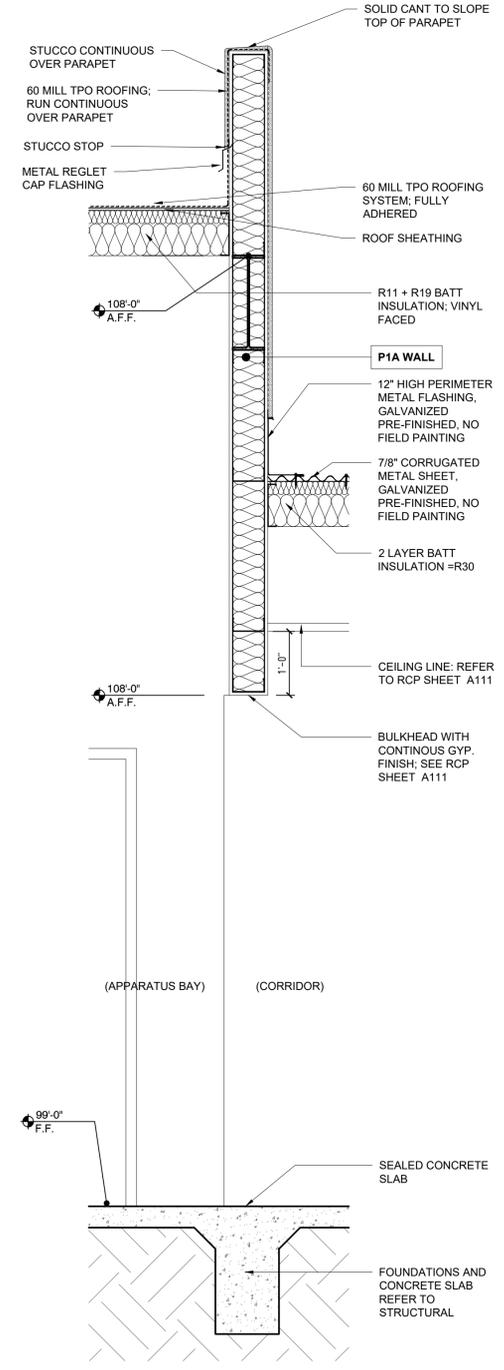
**A5 WALL SECTION D**  
3/4" = 1'-0"

PLOT DATE: Jul 25, 2022, 4:38pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_A302.dwg

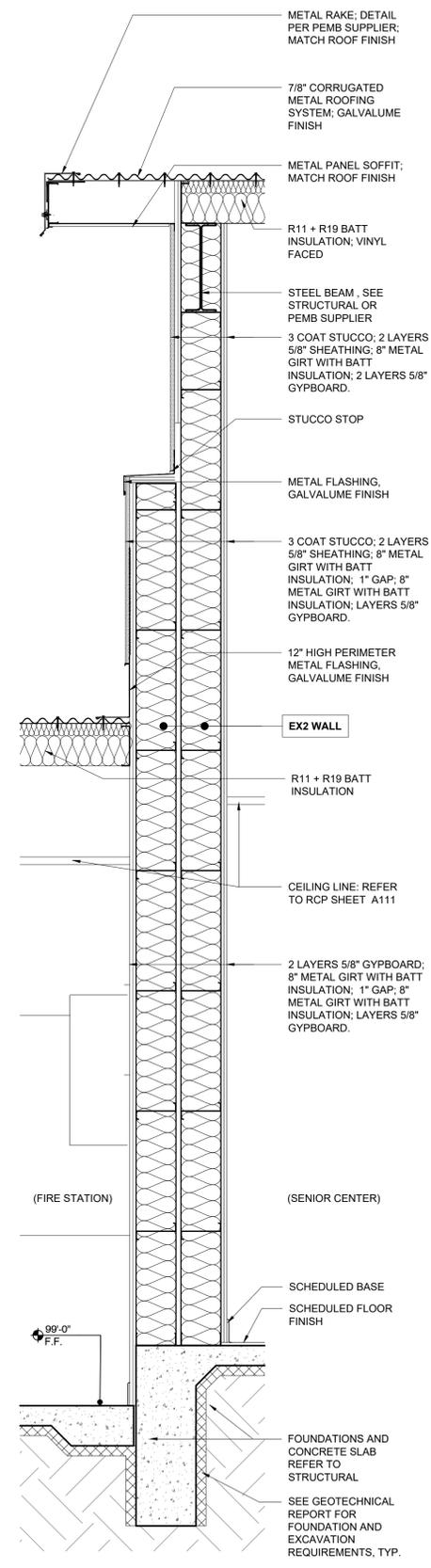
PLOT DATE: Jul 25, 2022, 4:38pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD02\_ARCHI\_SHEET\2009\_A303.dwg



**A1 WALL SECTION E**  
 3/4" = 1'-0"



**A2 WALL SECTION F**  
 3/4" = 1'-0"



**A3 WALL SECTION G**  
 3/4" = 1'-0"

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS		
----	----	----
-	-	-
-	-	-
-	-	-

Drawn by: **RL/KL**  
 Checked by: **SM**

Date: **07-25-2022**

Sheet Title:  
**WALL SECTIONS**

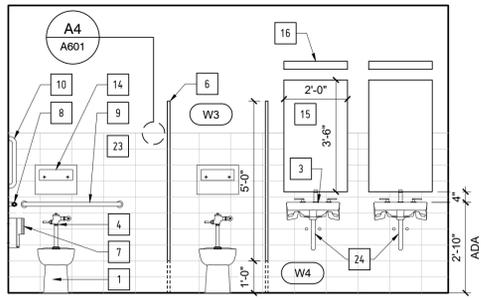
Job Number: **2022-24**

Sheet No.

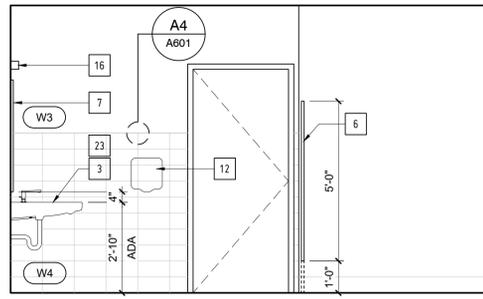
**PERMIT & BID SET**  
**07-25-2022**

**A303**

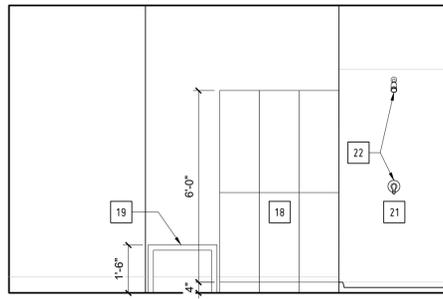
PLOT DATE: Jul 25, 2022, 4:38pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\A401\_SHEET\2009\_A401.dwg



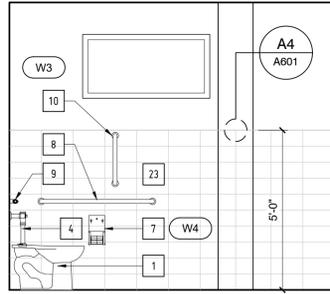
E1 FIRE STATION BATHROOM ELEV. A  
 3/8" = 1'-0"



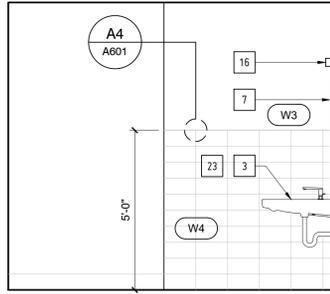
E2 FIRE STATION BATHROOM ELEV. B  
 3/8" = 1'-0"



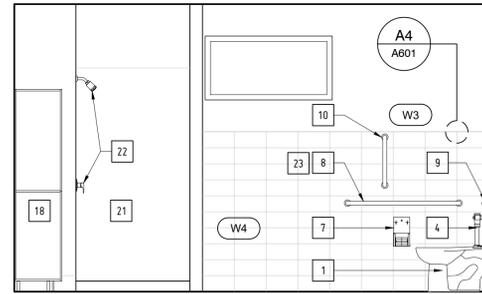
E3 FIRE STATION BATHROOM ELEV. C  
 3/8" = 1'-0"



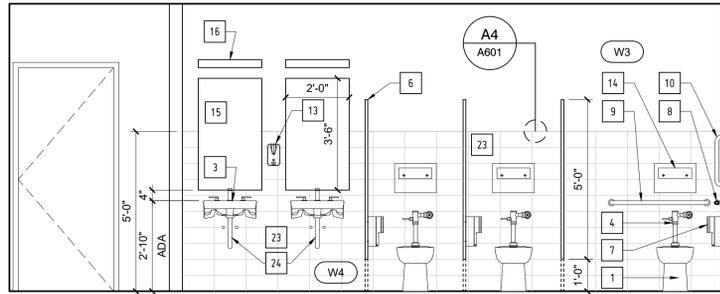
D1 WOMENS INT ELEV. C  
 3/8" = 1'-0"



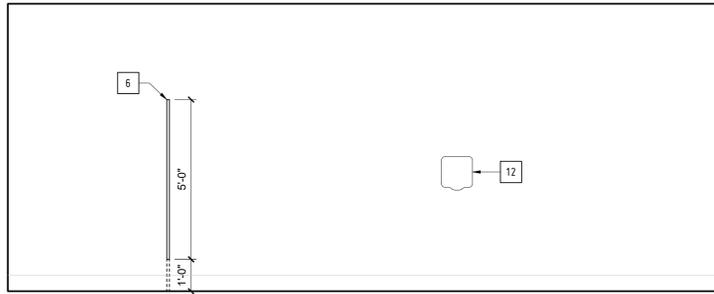
D2 WOMENS INT ELEV. D  
 3/8" = 1'-0"



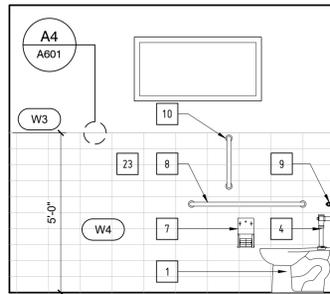
D3 FIRE STATION BATHROOM ELEV. D  
 3/8" = 1'-0"



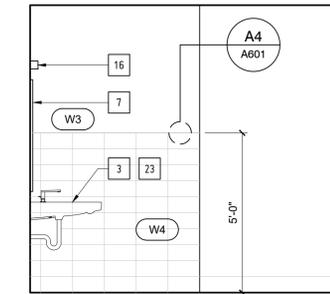
C1 WOMENS INT ELEV. A  
 3/8" = 1'-0"



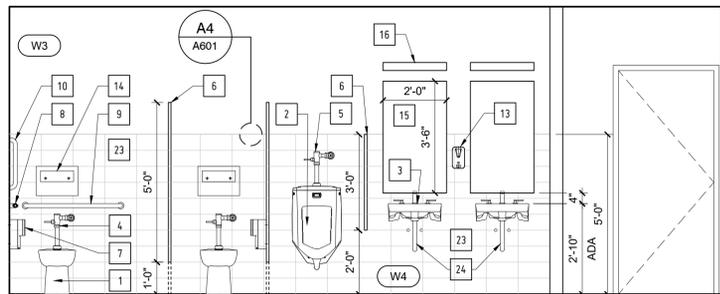
C3 WOMENS INT ELEV. B  
 3/8" = 1'-0"



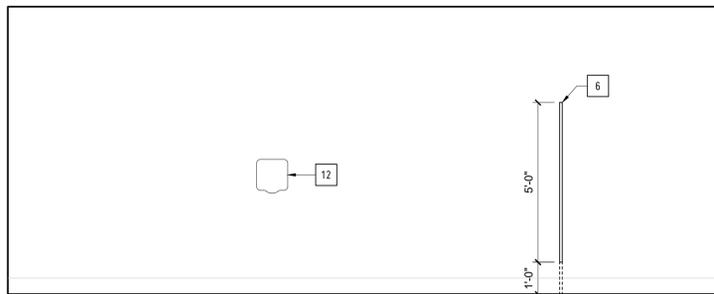
B1 MENS INT ELEV. C  
 3/8" = 1'-0"



B2 MENS INT ELEV. D  
 3/8" = 1'-0"



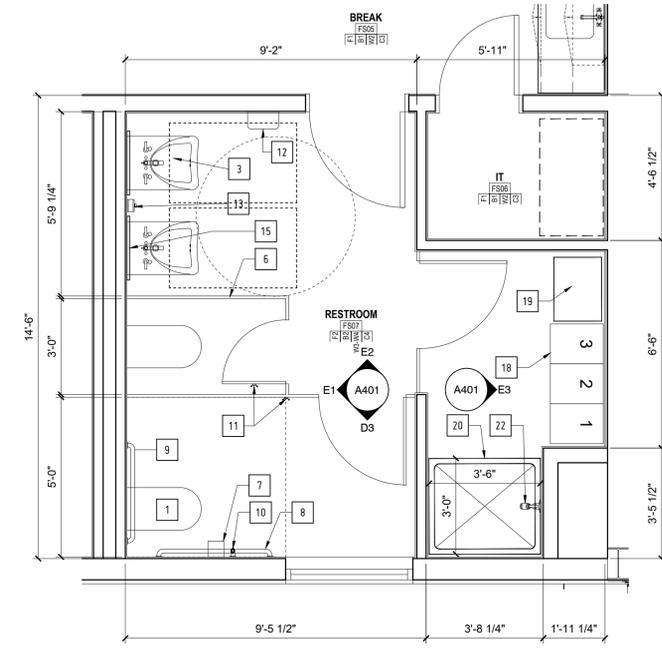
A1 MENS INT ELEV. A  
 3/8" = 1'-0"



A3 MENS INT ELEV. B  
 3/8" = 1'-0"

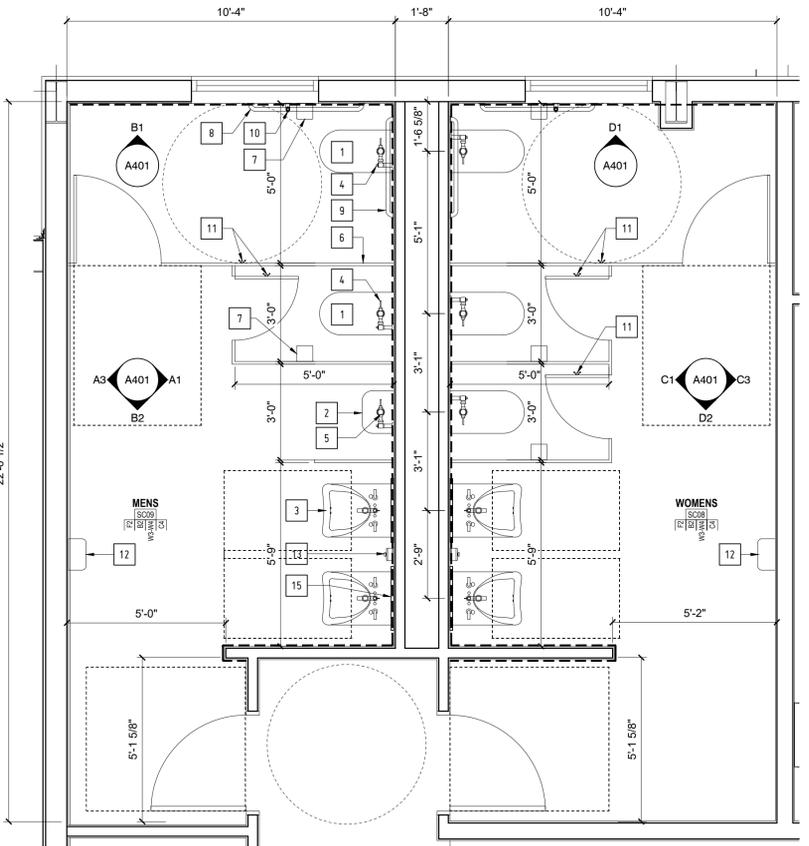
**FIXTURES AND ACCESSORIES LEGEND:**

1 WATER CLOSET	9 36" GRAB BAR	17 LIGHTING FIXTURE
2 URINAL	10 18" GRAB BAR	18 LOCKERS
3 SINK (ADA COMPLIANT)	11 COAT HOOK	19 BENCH
4 WATER CLOSET FLUSH VALVE	12 HAND DRYER	20 SHOWER TRAY
5 URINAL FLUSH VALVE	13 SOAP DISPENSER	21 SHOWER SURROUND
6 PAINTED METAL TOILET PARTITIONS	14 PAPER TOWEL DISPENSER AND DISPOSAL	22 SHOWER SET
7 TOILET PAPER HOLDER	15 MIRROR	23 CERAMIC TILE WAINSCOTTING
8 42" GRAB BAR	16 MIRROR LIGHT	24 WHITE PIPE INSULATION



D5 FIRE STATION ENLARGED BATHROOM PLAN  
 3/8" = 1'-0"

**PERMIT & BID SET**  
 07-25-2022



A5 SENIOR CENTER ENLARGED BATHROOM PLAN  
 3/8" = 1'-0"

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**

Checked by: **SM**

Date: **07-25-2022**

Sheet Title:  
**ENLARGED BATHROOM DETAILS**

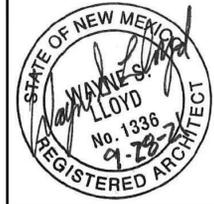
Job Number: **2022-24**

Sheet No.

**A401**

**PERMIT & BID SET**  
07-25-2022

**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**  
Checked by: **SM**

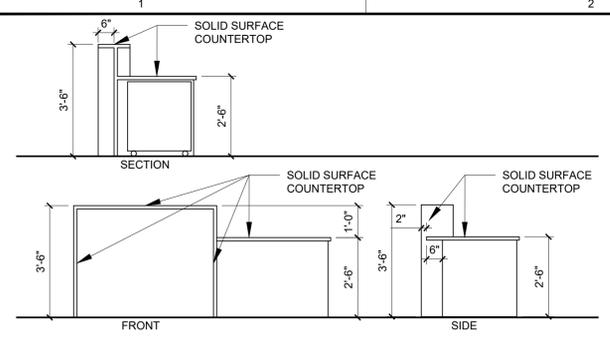
Date: **07-25-2022**

Sheet Title:  
**ENLARGED KITCHEN DETAILS**

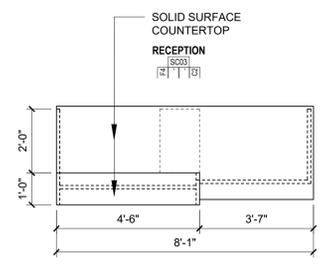
Job Number: **2022-24**

Sheet No.

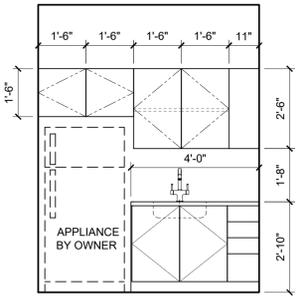
**A402**



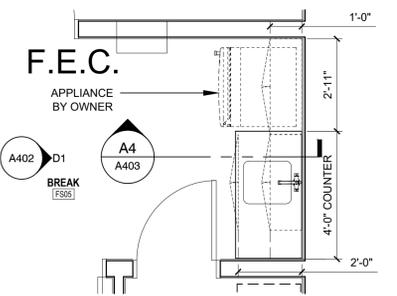
**E1 RECEPTION COUNTER ELEVATIONS** 3/8" = 1'-0"



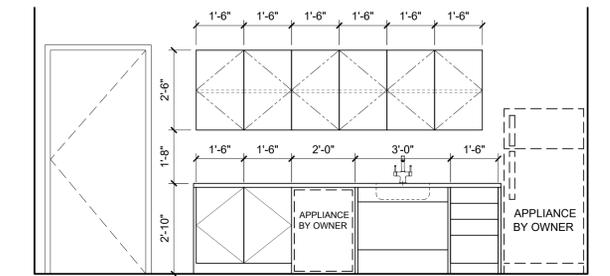
**E3 RECEPTION COUNTER ENLARGED PLAN** 3/8" = 1'-0"



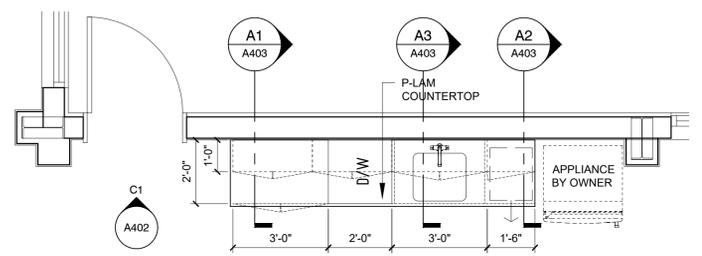
**D1 BREAKROOM INT. ELEV.** 3/8" = 1'-0"



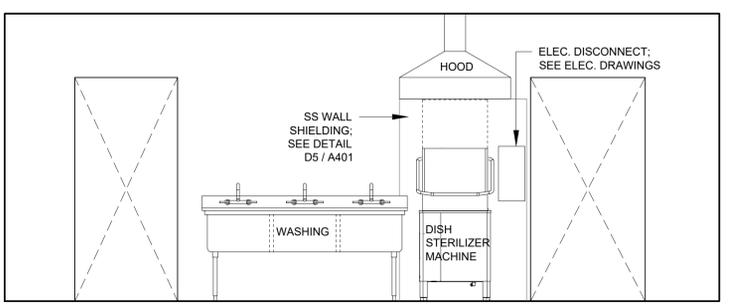
**D3 BREAKROOM ENLARGED PLAN** 3/8" = 1'-0"



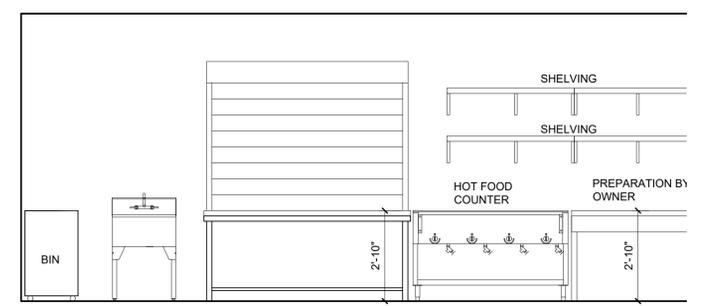
**C1 KITCHENETTE INT. ELEV.** 3/8" = 1'-0"



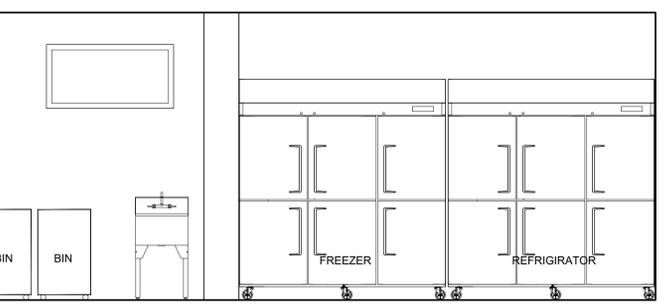
**C3 KITCHENETTE ENLARGED PLAN** 3/8" = 1'-0"



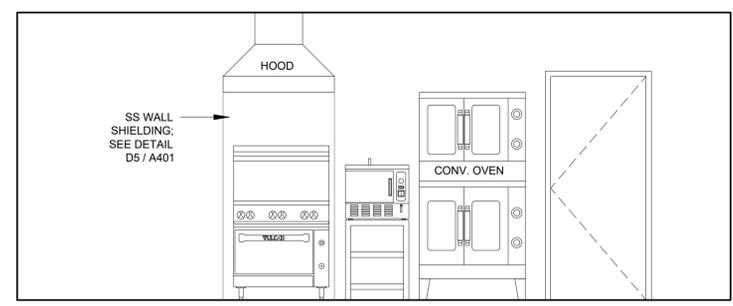
**B1 KITCHEN INT. ELEV. C** 3/8" = 1'-0"



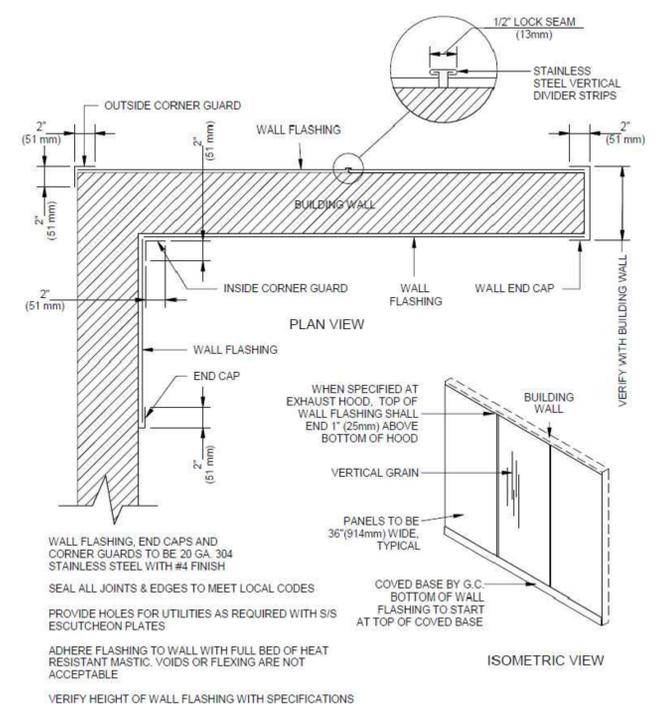
**B3 KITCHEN INT. ELEV. D** 3/8" = 1'-0"



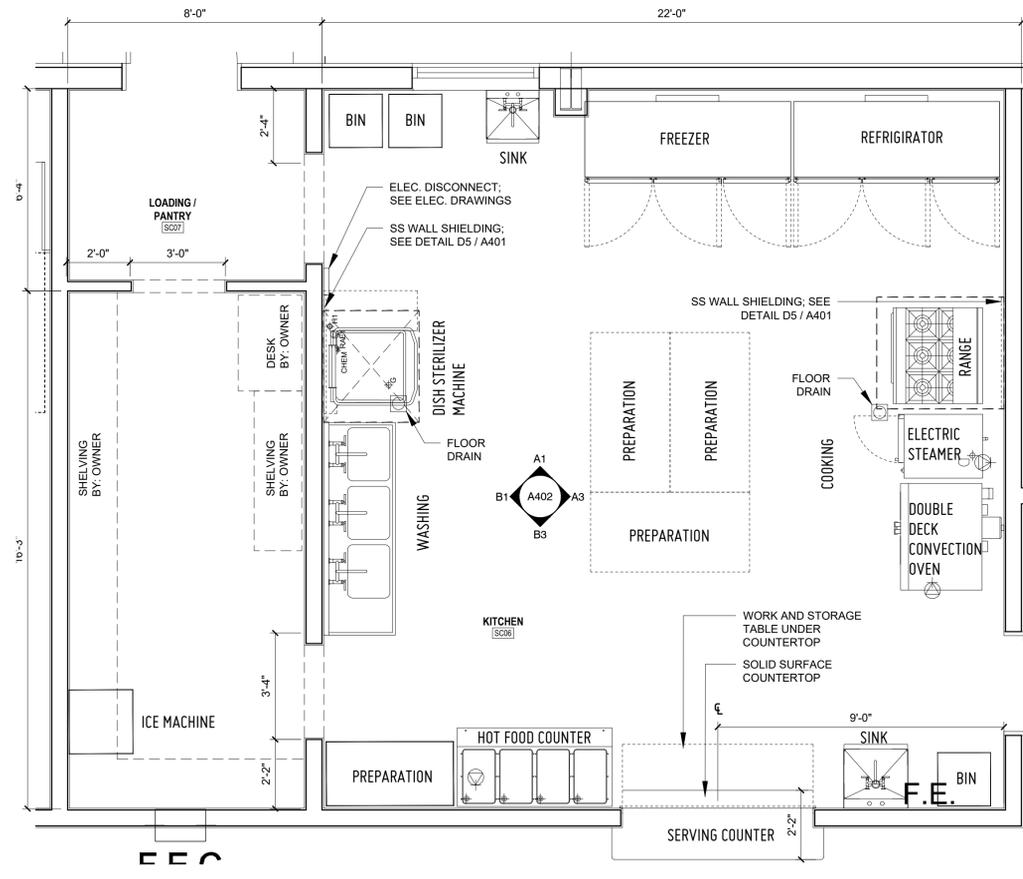
**A1 KITCHEN INT. ELEV. A** 3/8" = 1'-0"



**A3 KITCHEN INT. ELEV. B** 3/8" = 1'-0"



**D4 STAINLESS STEEL WALL SHIELDING DETAIL** 3/8" = 1'-0"

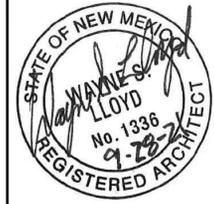


**A4 KITCHEN ENLARGED PLAN** 3/8" = 1'-0"

PLOT DATE: Jul 25, 2022, 4:40pm  
FILENAME: X:\2022-24 Cerrillos Senior Center IICAD\02\_ARCH\1\_SHEET\2009\_A402.dwg

**CASEWORK GENERAL NOTES:**  
 A- A MINIMUM OF 50% OF CASEWORK MATERIAL SHALL BE F.S.C. CERTIFIED.

**Lloyd & Associates**  
**ARCHITECTS**  
 100 N Guadalupe St., Suite 201  
 Santa Fe, NM 87501  
 Telephone: 505-988-0789 Fax: 505-986-1165  
 Web address: lloyd-architects.com



**CERRILLOS SENIOR CENTER  
 & TURQUOISE TRAIL FIRE  
 STATION #3**  
 16 MAIN STREET, CERRILLOS,  
 NEW MEXICO 87010

Current Status:  
**PERMIT & BID**

REVISIONS	

Drawn by: **RL/KL**  
 Checked by: **SM**

Date: **07-25-2022**

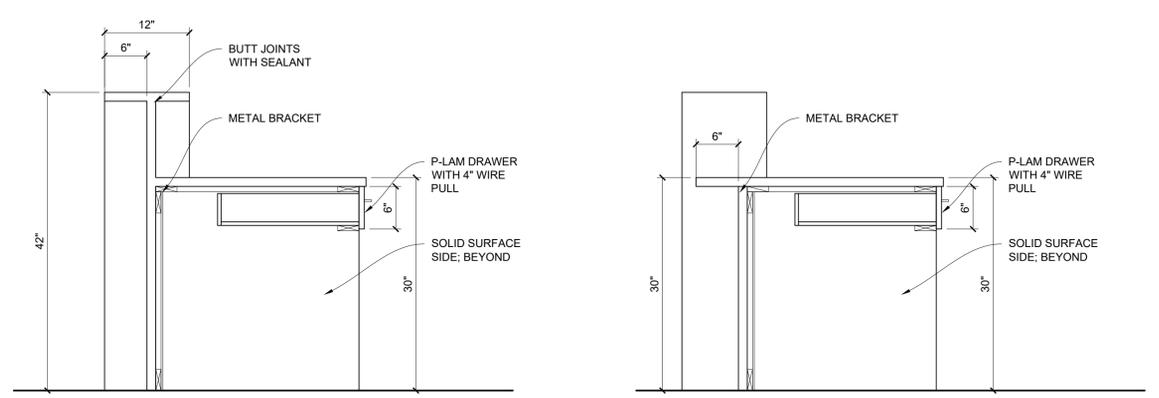
Sheet Title:  
**CASEWORK  
 DETAILS**

Job Number: **2022-24**

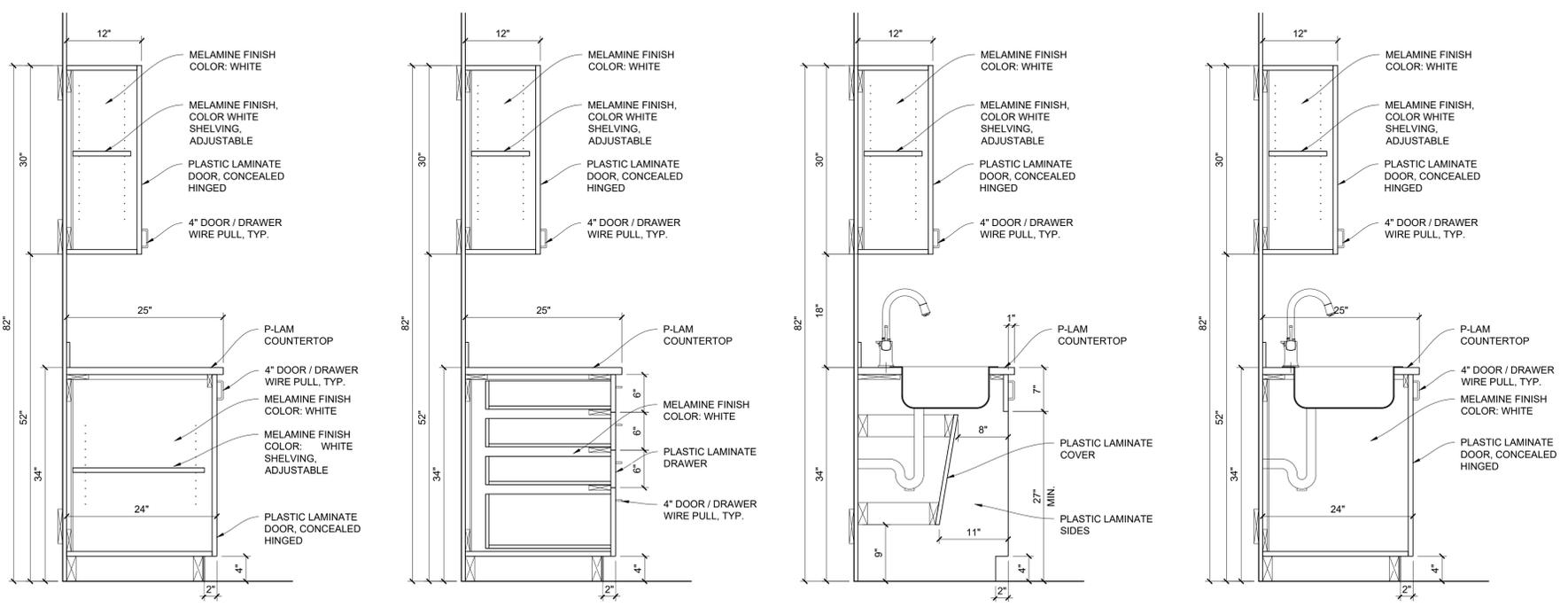
Sheet No.

**A403**

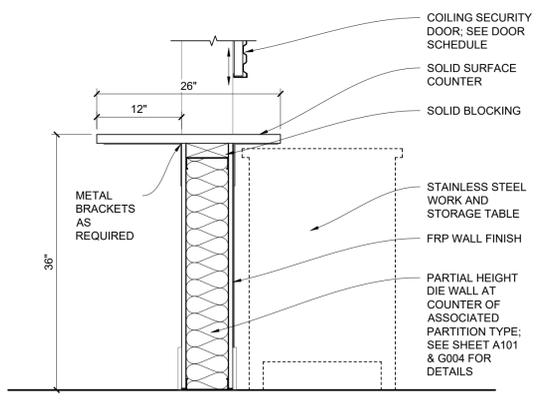
**PERMIT & BID SET**  
**07-25-2022**



**C1 RECEPTION DESK SECTION DETAIL 1** 1" = 1'-0"  
**C2 RECEPTION DESK SECTION DETAIL 2** 1" = 1'-0"



**A1 CASEWORK DETAIL A** 1" = 1'-0"  
**A2 CASEWORK DETAIL B** 1" = 1'-0"  
**A3 CASEWORK DETAIL C** 1" = 1'-0"  
**A4 CASEWORK DETAIL D** 1" = 1'-0"



**A5 SERVING COUNTER SECTION DETAIL** 1" = 1'-0"

PLOT DATE: Jul 25, 2022, 4:40pm  
 FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\A403.dwg

# DOOR SCHEDULE

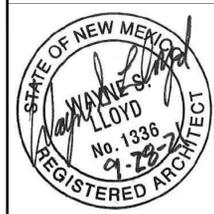
MARK	ROOM_NO	ROOM_NAME	TYPE	Door Width	Door Height	Door Thickness	SWING	Door Material	Frame Finish	Frame Material	SILL	JAMB	HEAD	HARDWARE	FIRE-RATING	NOTES
SC01A	SC01	SOUTH PORTAL	GD1	6'-0"	7'-0"	1 3/4"	RH-ACT	GLASS	PAINT	ALUM	A1/A502	C2/A502	D2/A502	-	-	-
SC04	SC04	READING ROOM	GD2	3'-0"	7'-0"	1 3/4"	LH	GLASS	PAINT	ALUM	-	C3/A502	D3/A502	-	-	-
FS01A	FS01	APPARATUS	MD1	3'-0"	7'-0"	1 3/4"	LH	METAL/INSULATED	PAINT	METAL	A1/A502	C3/A502	D3/A502	-	-	-
FS01B	FS01	APPARATUS	MD1	3'-0"	7'-0"	1 3/4"	RH	METAL/INSULATED	PAINT	METAL	A1/A502	C3/A502	D3/A502	-	-	-
SC15	SC15	ARTS AND CRAFTS	MD1	3'-0"	7'-0"	1 3/4"	RH	METAL/INSULATED	PAINT	METAL	A1/A502	C3/A502	D3/A502	-	-	-
SC01B	SC01	SOUTH PORTAL	MD1	3'-0"	7'-0"	1 3/4"	LH	METAL/INSULATED	PAINT	METAL	A1/A502	C3/A502	D3/A502	-	-	-
SC06B	SC06	KITCHEN	MD1	3'-0"	7'-0"	1 3/4"	RHR	METAL	PAINT	METAL	A1/A502	C3/A502	D3/A502	-	-	-
SC16	SC16	NORTH PORTAL	MD1	3'-6"	7'-0"	1 3/4"	RHR	METAL/INSULATED	PAINT	METAL	A1/A502	C3/A502	D3/A502	-	-	-
SC06C	SC06	KITCHEN	RUD1	6'-0"	7'-0"	5/8"	-	METAL	PAINT	METAL	-	-	-	-	-	-
FS01E	FS01	APPARATUS	SGD1	12'-0"	12'-0"	2"	-	METAL/INSULATED	PAINT	METAL	B1/A502	C1/A502	D1/A502	-	-	-
FS01D	FS01	APPARATUS	SGD1	12'-0"	12'-0"	2"	-	METAL/INSULATED	PAINT	METAL	B1/A502	C1/A502	D1/A502	-	-	-
FS01C	FS01	APPARATUS	SGD1	12'-0"	12'-0"	2"	-	METAL/INSULATED	PAINT	METAL	B1/A502	C1/A502	D1/A502	-	-	-
FS01H	FS01	APPARATUS	SGD1	12'-0"	12'-0"	2"	-	METAL/INSULATED	PAINT	METAL	B1/A502	C1/A502	D1/A502	-	-	-
FS01G	FS01	APPARATUS	SGD1	12'-0"	12'-0"	2"	-	METAL/INSULATED	PAINT	METAL	B1/A502	C1/A502	D1/A502	-	-	-
FS01F	FS01	APPARATUS	SGD1	12'-0"	12'-0"	2"	-	METAL/INSULATED	PAINT	METAL	B1/A502	C1/A502	D1/A502	-	-	-
SC13	SC13	STORE	WD1	3'-0"	7'-0"	1 3/4"	RH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC12	SC12	MECH.	WD1	3'-0"	7'-0"	1 3/4"	RH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC11	SC11	JAN.	WD1	2'-6"	7'-0"	1 3/4"	LH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
FS07	A15	RESTROOM	WD1	3'-0"	7'-0"	1 3/4"	RHR	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
FS06	FS06	IT	WD1	2'-6"	7'-0"	1 3/4"	LHR	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC14	SC14	ART ROOM / STORAGE	WD1	4'-0"	7'-0"	1 3/4"	RH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC10	SC10	IT / ELEC.	WD1	3'-0"	7'-0"	1 3/4"	RH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
FS08	FS08	STORAGE	WD1	3'-0"	7'-0"	1 3/4"	LH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
FS04	A15	OFFICE	WD1	3'-0"	7'-0"	1 3/4"	LH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
FS03	A15	MEETING ROOM	WD1	3'-0"	7'-0"	1 3/4"	LH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC09	SC09	MENS	WD1	3'-0"	7'-0"	1 3/4"	LH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC08	SC08	WOMENS	WD1	3'-0"	7'-0"	1 3/4"	RH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-
SC05	SC05	OFFICE	WD1	3'-0"	7'-0"	1 3/4"	RH	WOOD	PAINT	METAL	-	C4/A502	D4/A502	-	-	-

# STOREFRONT / WINDOW SCHEDULE

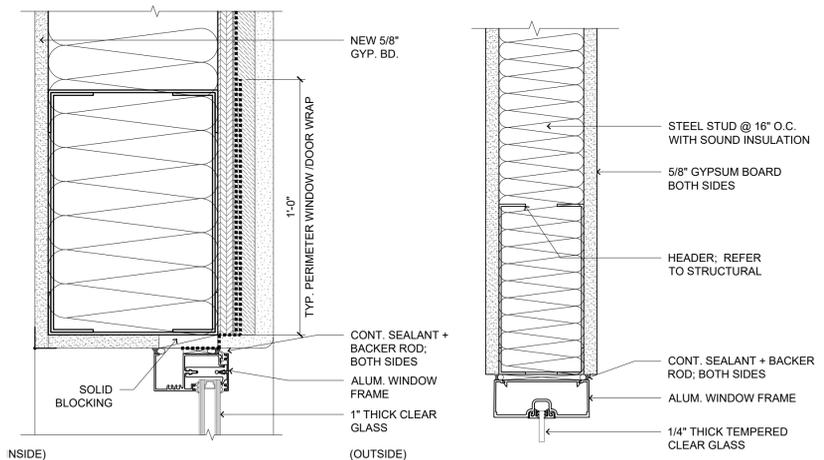
COUNT	MARK	ROOM NO.	WIDTH	HEIGHT	HEAD HEIGHT
<b>SENIOR CENTER</b>					
3	W1	SC02	5'-6"	7'-0"	8'-0"
4	W1-O	SC02	5'-6"	7'-0"	8'-0"
4	W4-O	SC02	4'-0"	2'-0"	14'-0"
3	W5	SC02	2'-0"	2'-0"	14'-0"
1	W3	SC04	5'-0"	4'-0"	8'-0"
2	W3-O	SC04	5'-0"	4'-0"	8'-0"
1	W3-O	SC05	5'-0"	4'-0"	8'-0"
1	W4-O	SC06	4'-0"	2'-0"	8'-0"
1	W4-P	SC08	4'-0"	2'-0"	8'-0"
1	W4-P	SC09	4'-0"	2'-0"	8'-0"
1	W1	SC15	5'-6"	7'-0"	8'-0"
2	W1-O	SC15	5'-6"	7'-0"	8'-0"
3	W2	SC15	5'-0"	5'-0"	8'-0"
3	W5	SC15	2'-0"	2'-0"	12'-0"
<b>FIRE STATION</b>					
4	W4-P	FS01	4'-0"	2'-0"	10'-0"
1	W3-O	FS03	5'-0"	4'-0"	8'-0"
1	W3-O	FS04	5'-0"	4'-0"	8'-0"
1	W4-P	FS07	4'-0"	2'-0"	8'-0"

**PERMIT & BID SET**  
07-25-2022

**Lloyd & Associates**  
**ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-986-0789 Fax: 505-986-1165  
Web address: lloyd-architects.com

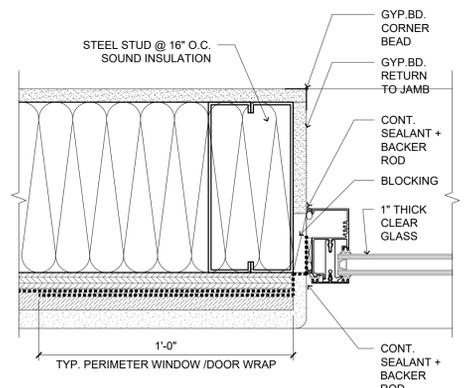


**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010



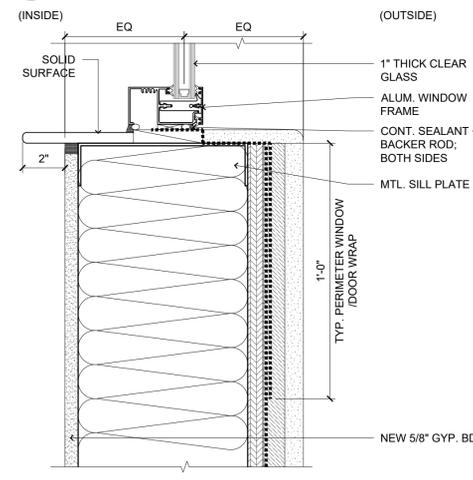
**C5 STOREFRONT HEAD DETAIL A** 3" = 1'-0"

**C6 STOREFRONT HEAD DETAIL B** 3" = 1'-0"

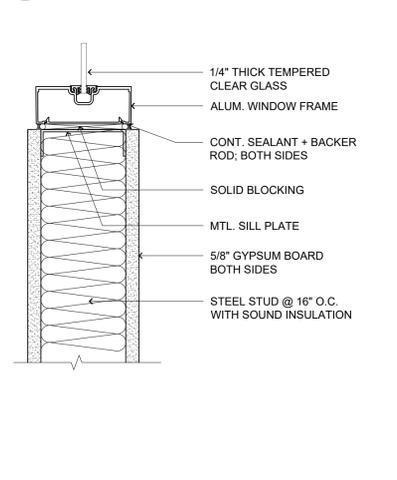


**B5 STOREFRONT JAMB DETAIL A** 3" = 1'-0"

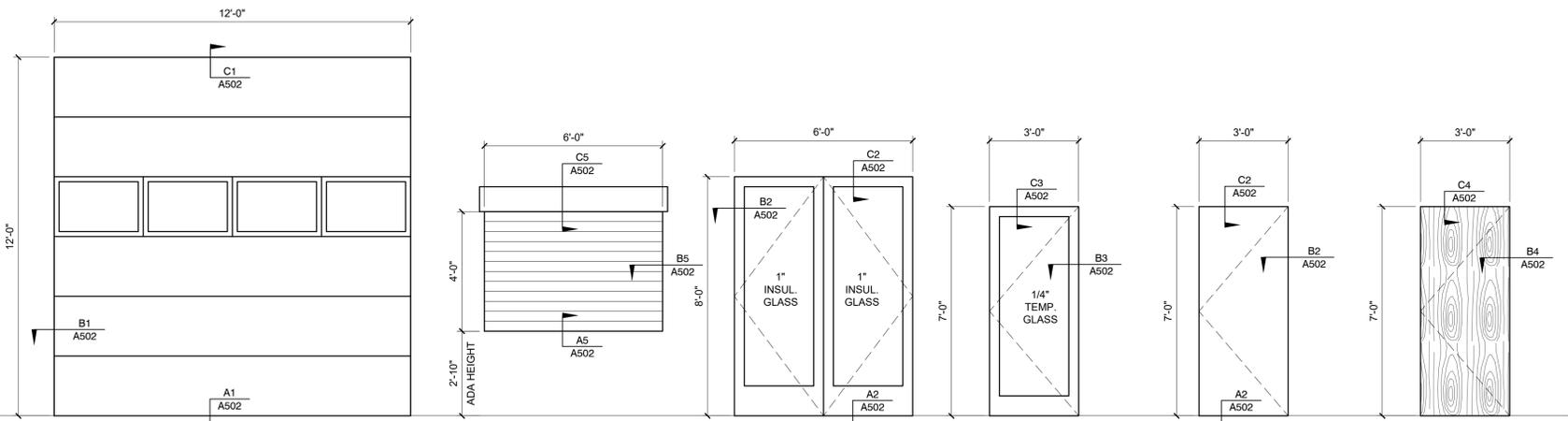
**B6 STOREFRONT JAMB DETAIL B** 3" = 1'-0"



**A5 STOREFRONT SILL DETAIL A** 3" = 1'-0"

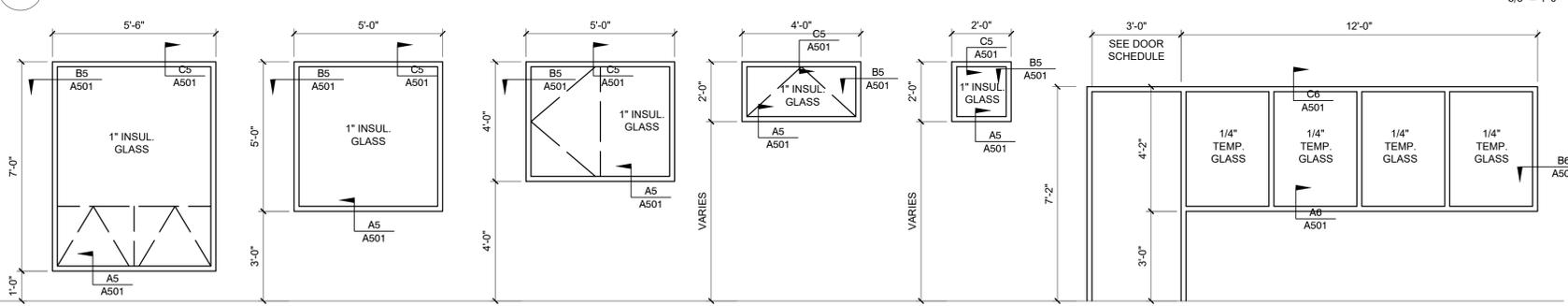


**A6 STOREFRONT SILL DETAIL B** 3" = 1'-0"



DOOR TYPE	ROOM	OPERATION	GLAZING	FINISH	FIRE RATING	PANEL	MFG
SGD1	APARATUS	SECTIONAL GEARHEAD	1" DOUBLE GLAZED, LOW-E	ALUMINUM, ANODIZED	-	INSULATED	-
RUD1	KITCHEN	ROLL UP	-	METAL, PRE-FINISH	-	-	-
GD1	SENIOR CENTER	SWING	1" THICK CLEAR INSULATED GLASS	ALUMINUM, PRE-FINISHED	-	-	-
GD2	INTERIOR	SWING	1/4" THICK CLEAR TEMPERED GLASS	ALUMINUM, PRE-FINISHED	-	-	-
MT1	EXTERIOR	SWING	-	METAL, PAINTED	-	-	-
WD1	INTERIOR	SWING	-	WOOD, PRE-FINISHED	-	-	-

## B1 DOOR ELEVATIONS



**W1 (FIXED) W1-O (OPERABLE)** SENIOR CENTER  
**W2** SENIOR CENTER  
**W3 (FIXED) W3-O (OPERABLE)** FIRE STATION OFFICE  
**W4 (FIXED) W4-O (OPERABLE) W4-P (PRIVACY GLASS)** RESTROOM / CLERESTORY  
**W5** RESTROOM / CLERESTORY  
**W6** SENIOR CENTER

\*NOTE: REFER TO ELEVATIONS ON SHEET A201 FOR PLACEMENT AND SHEET A501 FOR SCHEDULE

**A1 STOREFRONT AND ELEVATIONS** 3/8" = 1'-0"

Current Status: **PERMIT & BID**

REVISIONS

Drawn by: **RL/KL**

Checked by: **SM**

Date: **07-25-2022**

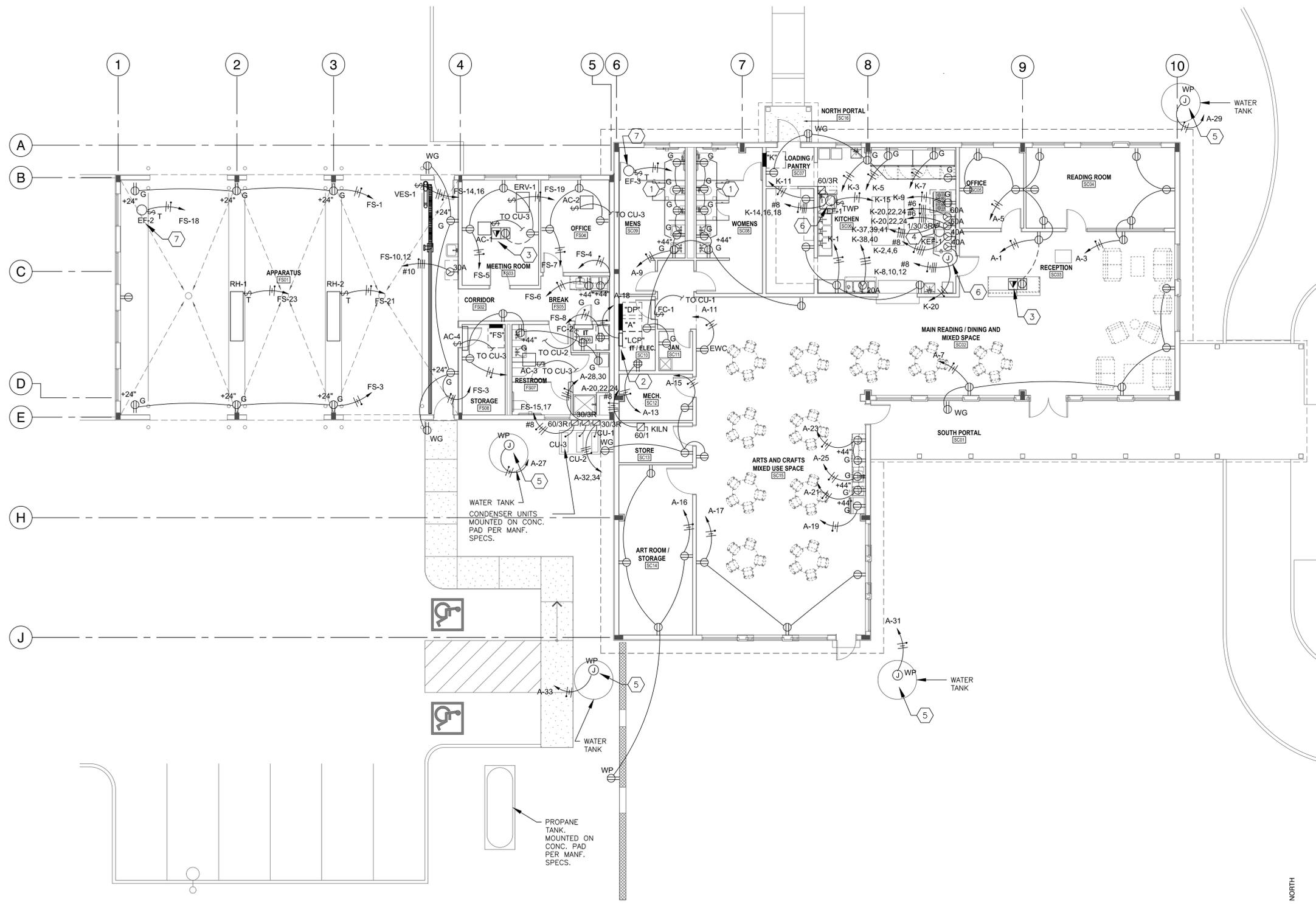
Sheet Title: **STOREFRONT AND DOOR ELEVATIONS & DETAILS**

Job Number: **2022-24**

Sheet No. **A501**

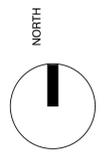
PLOT DATE: Jul 25, 2022, 4:40pm  
FILENAME: X:\2022-24\Cerrillos Senior Center IICAD\02\_ARCH\A501.dwg

Date: Sep 27, 2021 11:29am User: JSM\metting . . . Drawing File: H:\ABQ\8357\CAD\AutoCAD\8357 - Santa Fe County, Cerrillos Senior Center\Sheets\Electrical\8357-EP101.dwg . . . Last Saved By: JSM\metting Sep 27, 2021 11:11am . . . Layout Name: EP101 POWER PLAN



**A1 POWER PLAN**

1/8" = 1'-0"



**GENERAL NOTES**

- A. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
- B. CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.
- C. THE CONTRACTOR SHALL INSTALL TIE HANDLES OR MULTI-POLE BREAKERS FOR ALL CIRCUITS SHARING A NEUTRAL CONDUCTOR.
- D. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND PROVIDE ALIGNMENT OF DEVICES.
- E. REMOVE AND INSTALL CEILING SUPPORTS AND TILES AS REQUIRED FOR THE COMPLETION OF THIS PROJECT. THIS CONTRACTOR SHALL INCLUDE REPLACEMENT OF CEILING TILES DAMAGED IN THE PROCESS OF THIS INSTALLATION WITH NEW MATCHING TILES. THE SAME APPLIES TO DAMAGE DONE TO OTHER KINDS OF CEILINGS.
- F. INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.
- G. THE CONTRACTOR SHALL REPLACE ALL DAMAGED AND INOPERABLE DEVICES SUCH AS LIGHT SWITCHES, RECEPTACLES, ETC. AT NO ADDITIONAL COST TO THE OWNER.
- H. THE CONTRACTOR SHALL BE AWARE THAT ALL POWER SYSTEMS ARE OPERABLE AND SHALL REMAIN OPERABLE AT PROJECT COMPLETION. THIS REQUIRES THE CONTRACTOR TO "RING OUT" ALL CIRCUITS IN AREAS OF MODIFICATIONS PRIOR TO ANY WORK IN THESE AREAS AND TO MAINTAIN ALL SUCH BRANCH CIRCUITING AND CONTROLS OPERATIONAL AFTER MODIFICATIONS.
- I. INTERRUPTION OF ANY ELECTRICAL SERVICES OR SPECIAL SYSTEMS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN DAYS PRIOR TO THE INTENDED OUTAGE AND SHALL BE REQUESTED IN WRITING.
- J. ALL HOME RUN CIRCUITING TO PANELS SHALL BE .75" CONDUIT, MINIMUM.
- K. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED WITH FIRE STOPPING, IE. 3M BRAND CALK, PUTTY, STRIP AND SHEET FORMS, DOW CORNERING 3-6548 SILICONE RTV FOAM
- L. ALL LOW VOLTAGE CONDUCTORS SHALL BE RAN IN SEPARATE RACEWAYS AS POWER CONDUCTORS (120VAC OR HIGHER PHASE TO NEUTRAL), NO EXCEPTIONS.
- M. ALL BRANCH AND FEEDER CIRCUIT WIRING SHALL BE COLOR CODED THROUGHOUT THE ENTIRE ELECTRICAL DISTRIBUTION SYSTEM AND SHALL MATCH THE EXISTING INSTALLATIONS.
- N. COORDINATE OUTLET COLOR PREFERENCES FOR ALL IT RACK OUTLETS WITH OWNER PRIOR TO ORDERING.

**SHEET KEYED NOTES**

- 1. PROVIDE ELECTRICAL CONNECTION TO AUTOMATIC FLUSH VALVES AND FAUCETS. COORDINATE WITH MANUFACTURER FOR ROUGH-IN REQUIREMENTS. MAKE ALL REQUIRED CONNECTIONS.
- 2. LIGHTING CONTROL RELAY PANEL. REFER TO DETAILS AND LIGHTING CONTROL SEQUENCE OF OPERATION.
- 3. PROVIDE IN-FLOOR POWER/DATA OUTLET. REFER TO DETAILS SHEET. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. EXTEND .75" CONDUIT TO NEAREST FULL HEIGHT PARTITION FOR BOTH POWER AND DATA. STUB DATA ABOVE ACCESSIBLE CEILING SPACE. PROVIDE PULL STRING.
- 4. PROVIDE GAS SOLENOID SHUT OFF AND SHUNT RECEPTACLES UNDER KITCHEN HOOD WITH FIRE SUPPRESSION SYSTEM. COORDINATE IN FIELD AND PROVIDE RELAYS AS REQUIRED. COORDINATE EMERGENCY SHUT OFF LOCATION RED MUSHROOM PUSHBUTTON WITH ARCHITECT. MAKE ALL REQUIRED INTERCONNECTIONS.
- 5. PROVIDE ELECTRICAL CONNECTION TO CISTERN. COORDINATE WITH ARCHITECT AND LANDSCAPE.
- 6. PROVIDE ELECTRICAL CONNECTION TO KITCHEN HOOD. MOUNT SWITCHES ON HOOD PER MANUFACTURER. MAKE ALL REQUIRED INTERCONNECTIONS TO ROOFTOP EQUIPMENT. COORDINATE WITH MECHANICAL.
- 7. EXTEND CIRCUIT THROUGH RELAY CONTROL PANEL. COORDINATE WITH MECHANICAL FOR CONTROL SCHEDULE.

**Lloyd & Associates  
ARCHITECTS**  
100 N Guadalupe St., Suite 201  
Santa Fe, NM 87501  
Telephone: 505-988-0789 Fax: 505-986-1105  
Web address: lloyd-architects.com



**CERILLOS SENIOR CENTER  
AND TURQUOISE TRAIL # 3  
FIRE STATION**  
LOT 3, SECTION 17, T. 14N., R. 8E., N.M.P.M.  
SANTA FE COUNTY, NEW MEXICO

Current Status:  
**100% CONST. DOCS**

REVISIONS	

Drawn by: JSM  
Checked by: JFH  
Date: 09-27-21  
Sheet Title:

**POWER PLAN**

Job Number:  
Sheet No.

**EP101**

**PERMIT & BID SET  
07-25-2022**