SYMBOLS

DETAIL MARK
DETAIL DESIGNATION
SHEET NUMBER
DIRECTION OF DETAIL

EXTERIOR ELEVATION
DIRECTION OF VIEW
ELEVATION NUMBER
SHEET NUMBER

INTERIOR ELEVATION
ELEVATION NUMBER
DIRECTION/VIEW SHOWN
SHEET NUMBER

ROOM NAME
101
ROOM IDENTIFICATION
ROOM NAME
ROOM NUMBER

SECTION MARK
DIRECTION OF VIEW
DETAIL DESIGNATION
SHEET NUMBER

REVISION MARK
AREA CONSIDERED
REVISION NUMBER

TRUE NORTH
PROJECT NORTH

DATUM, WORK POINT

00-00 KEY NOTE MARK

OVERALL PROJECT SUMMARY

THE PROJECT IS A RENOVATION OF THE EXISTING COMMUNITY CENTER FOR TEMPORARY ACTIVATION OF AN EMERGENCY OPERATIONS CENTER, INCLUDING MODIFICATIONS TO MEETING ROOMS, ELECTRICAL AND TELECOM SYSTEMS, INSTALLATION OF NEW ROOF MOUNTED RADIO AND TELEVISION ANTENNAE AND EQUIPMENT AND ADDITION OF AN EXTERIOR EMERGENCY BACKUP GENERATOR SYSTEM AND SITE ENCLOSURE WITH ASSOCIATED UNDERGROUND UTILITIES. INCLUDED IS REPAIR AND REPLACEMENT OF EXTERIOR PAVING, HARDSCAPE, LANDSCAPING, IRRIGATION AND SITE IMPROVEMENTS AFFECTED BY THE WORK. LANDSCAPING AND IRRIGATION ADJACENT TO THE EMERGENCY GENERATOR AREA IS NOT IN CONTRACT, TO BE PART OF THE CITY DOG PARK PROJECT.

THE PROJECT SCOPE INCLUDES, BUT IS NOT LIMITED TO, MODIFICATIONS TO: NEW INTERIOR WALLS, DOORS, CEILINGS, AND FINISHES, COMPLIANCE WITH CURRENT LIFE SAFETY CODES, AND MODIFICATION TO BUILDING SYSTEMS (HVAC, ELECTRICAL, LIGHTING, TELECOMMUNICATIONS, AUDIO/VISUAL, AND PLUMBING).

CONTRACTOR WILL BE RESPONSIBLE FOR PREPPING ALL AREAS FOR NEW SCOPE OF WORK INCLUDING PATCHING AND REPAIRING EXISTING CONDITIONS WHERE AFFECTED BY ANY AND ALL DEMOLITION WORK.

THE WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, SERVICES, PERMITS, TEMPORARY CONTROLS AND CONSTRUCTION FACILITIES, AND ALL GENERAL CONDITIONS, SEISMIC REQUIREMENTS, GENERAL REQUIREMENTS AND INCIDENTALS REQUIRED TO COMPLETE THE WORK ON THE PROJECT IN ITS ENTIRETY AS DESCRIBED IN THE CONTRACT DOCUMENTS.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

APPROVED
BUILDING DIVISION
PERMIT NO. BLD23-01584
BY _____ DATE 01/24/2024

APPROVED
PLANNING DIVISION
FILE NO. _____
PERMIT NO. _____
BY N.Zornes DATE _____

CITY OF LOS ALTOS COMMUNITY CENTER
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022
PERMIT SET
AUG 03, 2023

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL
JANET TAM No. G-14064 REN. 01-31-25 LICENSED ARCHITECT STATE OF CALIFORNIA

GENERAL NOTES - PROJECT

1. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
2. ALL WORK SHALL MEET OR EXCEED THE MINIMUM STANDARDS OF THE 2022 CALIFORNIA BUILDING CODE AND ALL APPLICABLE CODES AND ORDINANCES.
3. INFORMATION CONTAINED WITHIN THESE DOCUMENTS SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE APPLICABLE CODES.
4. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY BE FOUND PRIOR TO THE START OF WORK.
5. CONTRACTOR SHALL REVIEW ALL DOCUMENTS TO COORDINATE W/ THE (E) BLDG CONDITIONS. ANY VARIATIONS AND DISCREPANCIES THAT ARISE IN THIS REVIEW ARE TO BE BROUGHT IMMEDIATELY TO THE ARCHITECTS ATTENTION.
6. THE CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO VISIT AND INSPECT THE SITE PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS.
7. ALL DETAILS, SCHEDULES, ADDENDA AND SPECIFICATIONS BOUND SEPARATELY ARE A PART OF THE CONTRACT DOCUMENTS.
8. ITEMS MARKED "NIC" ARE NOT IN CONTRACT. SUCH ITEMS ARE INCLUDED IN THE DOCUMENTS WHEN CONTRACTORS COORDINATION IS REQUIRED OR FOR CLARIFICATION OF PROJECT LIMITS.
9. DIMENSIONS:
   A. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM THE DRAWINGS.
   B. OPENINGS: DOOR DIMENSIONS ARE TO THE FACE OF JAMB, UON. LOCATE UNDIMENSIONED DOORS 4" FROM FINISHED FACE OF INTERSECTING PARTITION TO HINGE EDGE EDGE OF DOOR. REFER TO DETAILS FOR LOCATION OF DIMENSIONS OF WINDOWS AND OTHER OPENINGS
   C. ALL DIMENSIONS TO WALLS ARE TO THE FACE OF STUD, UON.
   D. CEILING HEIGHT DIMENSIONS ARE FROM FINISHED FLOOR TO FINISHED FACE OF CEILING, UON.
   E. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY GENERAL CONTRACTOR AND ALL SUBCONTRACTORS PRIOR TO PROCEEDING WITH CONSTRUCTION.
   F. COORDINATE WITH EQUIPMENT CONTRACTORS FOR ROUGH-IN DIMENSIONS AND TEMPLATES.
   G. ALL DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE STRICTLY MAINTAINED. "CLEAR" MEANS DIMENSION FROM FACE OF FINISH TO FACE OF FINISH OR OBJECT.
   H. ALL DIMENSIONS NOTED "VERIFY" OR "VIF" ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY VARIANCE FROM THE REQUIRED DIMENSIONS MUST BE BROUGHT IMMEDIATELY TO THE ARCHITECT'S ATTENTION.
10. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES, UON.
11. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THE PROJECT.
12. EXISTING CONDITIONS TO REMAIN, UNLESS OTHERWISE NOTED.
13. THE DRAWINGS INDICATE THE GENERAL EXTENT OF (N) CONSTRUCTION NECESSARY FOR THE WORK, BUT ARE NOT INTENDED TO BE ALL-INCLUSIVE. ALL DEMO AND (N) WORK NECESSARY FOR A FINISHED JOB, IN ACCORDANCE W/ THE INTENTIONS OF THE CONTRACT DOCUMENTS, IS INCLUDED REGARDLESS OF WHETHER SHOWN IN THE CONTRACT DOCUMENTS.
14. (E) BUILDING AND SITE DOCUMENTATION IS BASED ON "AS-BUILT" DRAWINGS AND OBSERVATIONAL SITE INVESTIGATIONS. ACTUAL BUILT CONDITIONS MAY VARY. CONTRACTOR IS TO USE CAUTION IN DEMOLITION, AND IS TO NOTIFY ARCHITECT IMMEDIATELY IF ANY VARIATIONS OR DISCREPANCIES ARE UNCOVERED.
15. PROTECT ALL (E) BUILDINGS, INFRASTRUCTURE, LANDSCAPING AND PAVING TO REMAIN.
16. PROTECTION OF BUILDING ELEMENTS REQUIRING FIRE RESISTANCE AS NOTED ON THE DRAWINGS SHALL BE MAINTAINED. ANY DAMAGE TO A RATED ASSEMBLY FOR ANY REASON THROUGH THE COURSE OF CONSTRUCTION SHALL BE REPAIRED TO MATCH THE APPROVED DETAIL.
17. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33.

SCC FIRE DEPARTMENT
14700 WINCHESTER BLVD.
LOS GATOS, CA 95032-4010
(408)378-4010

REGIONAL MAP

NOT TO SCALE

CONTEXT PLAN

NOT TO SCALE

INDEX OF DRAWINGS

DEFERRED SUBMITTALS

PROVIDE SUBMITTALS TO SCCFD FOR THE INSTALLATION/MODIFICATION OF EACH OF THE SYSTEMS LISTED. SUBMIT SHOP DRAWINGS (3 SETS) AND A PERMIT APPLICATION TO THE SANTA CLARA COUNTY FIRE DEPARTMENT FOR APPROVAL BEFORE ALTERING THE SYSTEMS AS APPLICABLE. CALL (408) 341-4420 FOR MORE INFORMATION. NOTE: PROOF THAT THE CORRESPONDING BUILDING PERMIT HAS BEEN FORMALLY ISSUED SHALL BE PROVIDED AT THE TIME OF SUBMITTAL. SEE SCCFD APPROVAL LETTER ON G1-1.

1. STANDBY EMERGENCY GENERATOR
2. FUEL SYSTEM

BID ALTERNATES

BID ALTERNATE #1: IDF ROOM REDUNDANT COOLING
BASE BID ITEM: NO WORK
ADD ALTERNATE ITEM OPTION 1: 2-TON MINI-SPLIT SYSTEM, SEE MECH SECT 230000
ADD ALTERNATE ITEM OPTION 2: TRANSFER FAN, SEE MECH SECT 230000

ABBREVIATIONS

&	AND
(E)	EXISTING
(N)	NEW
@	AT
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJACENT/ADJUSTABLE
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BO	BOTTOM OF
BOT	BOTTOM
CAB	CABINET
CE	CIVIL ENGINEER
CFMF	COLD FORMED METAL FRAMING
CJ	CONTROL JOINT
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
CPT	CARPET
CSMT	CASEMENT
CTR	CENTER
CTSK	COUNTERSINK
CX	CONNECTION
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DOUGLAS FIR/DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION/ELEVATOR
EOC	EMERGENCY OPERATIONS CENTER
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL / EMERGENCY POWER
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FIN FLR	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FLRG	FLOORING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FR	FIRE RESISTANT/FIRE RETARDANT
FRT	FIRE RETARDANT TREATED
FT	FOOT/FEET
FTG	FOOTING
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GENSET	GENERATOR SET (GENERATOR & ENGINE COMBINATION)
GFI	GROUND FAULT INTERRUPT
GLAM	GLUE LAMINATED
GR	GRADE
GSM	GALVANIZED SHEET METAL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH
HB	HOSE BIB
HD	HEAD
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
IF	INSIDE FACE
INCL	INCLUDE/INCLUDING
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JBOX	JUNCTION BOX
JST	JOIST
JT	JOINT
LAV	LAVATORY
LB	LAG BOLT
LF	LINEAR FEET
LT	LIGHT
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MP	MULTIPURPOSE
MTD	MOUNTED
MTL	METAL
MTS	MANUAL TRANSFER SWITCH
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OCC	OCCUPANT
OD	OUTSIDE DIAMETER/OVERFLOW DRAIN
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OPNG	OPENING
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
PA	PUBLIC ADDRESS
PCP	PORTLAND CEMENT PLASTER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLY	PLYWOOD
PR	PAIR
PROJ	PROJECT/PROJECTOR
PT	POINT/PRESSURE TREATED
PTD	PAINTED
QTY	QUANTITY
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE/REINFORCING
REQD	REQUIRED
REQT	REQUIREMENTS
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
S	SOUTH
SASM	SELF ADHERING SHEET MEMBRANE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SE	STRUCTURAL ENGINEER
SED	SEE ELECTRICAL DRAWINGS
SF	SUPPLY FAN
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SOG	SLAB ON GRADE
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
SSGD	SEE SIGNAGE DRAWINGS
SSK	SERVICE SINK
SSTL	STAINLESS STEEL
STD	STANDARD
STED	SEE TELECOM DRAWINGS
STL	STEEL
STOR	STORAGE
STRL	STRUCTURAL
STRUC	STRUCTURAL
SUSP	SUSPENDED
SYS	SYSTEM
T	TREAD
T&G	TONGUE & GROOVE
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPERED
THK	THICK/THICKNESS
THRESH	THRESHOLD
TJI	TRUSS JOIST
TO	TOP OF
TOC	TOP OF CONCRETE/CURB
TOP	TOP OF PAVING
TOR	TOP OF ROOF
TOS	TOP OF STEEL
TOW	TOP OF WALL
TS	TUBE STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST/WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WIN	WINDOW
WO	WHERE OCCURS
WP	WORK POINT
WR	WATER RESISTANT
WT	WEIGHT

CODE COMPLIANCE

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2022*

ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

2022	CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, C.C.R.
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (2021 INTERNATIONAL BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24, C.C.R. (2020 NATIONAL ELECTRIC CODE AND 2022 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R. (2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R. (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA ENERGY CODE (CENC), PART 6, TITLE 24, C.C.R.
2022	CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R. (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
2019	TITLE 19, C.C.R., REGULATIONS OF THE STATE FIRE MARSHAL
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, C.C.R.
2022	CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
2019	ASME A17.1/CSA B44 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2022 CBC PART 2 CH 35) NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	STANDPIPE & HOSE SYSTEMS, 2013 EDITION (CA AMENDED)	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STATIONARY FIRE PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 1221	STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATION SYSTEMS	2019 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2015 EDITION
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2005 EDITION
UL 752	STANDARD FOR BULLET-RESISTING EQUIPMENT	2005 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2010)

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

ACI 318-14	AMERICAN CONCRETE INSTITUTE-BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE & COMMENTARY
ADA	CODE OF FEDERAL REGULATIONS INCLUDING AMENDMENTS
ADAAG	AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, 2010
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL, LATEST EDITION
NRS	NATIONAL REFERENCE STANDARDS

PROJECT TEAM

Owner
City of Los Altos
1 N. San Antonio Rd
Los Altos, CA 94022
Tel: (650) 947,2700
Fax: (650) 947-2731

Architect
Noll & Tam Architects
729 Heinz Ave
Berkeley, CA 94710
Tel: 510,542,2200
Fax: 510.542.2201

Civil
BKF Engineers
256 Shoreline Drive
Suite 200
Redwood City CA 94065
Tel: (650) 482-6300

Electrical
O'Mahony & Myer Inc.
4341 Redwood Highway
Suite 245
San Rafael CA 94903
Tel: (415) 492-0420

Telecom, AV & Acoustics
Smith, Fause and McDonald, Inc.
351 8th Street
San Francisco CA 94103
Tel: (415) 255-9140

Radio & Antenna
Forrest Telecom Engineering, Inc.
6754 Bernal Ave, Suite 740-104
Pleasanton, CA 94566
Tel: (925) 251-1212

Structural
Daedalus
12930 Saratoga Ave, Ste B9
Saratoga, CA 95070
Tel: (408) 517-0373

Cost Estimator
mack5
1000 Broadway, Suite 260
Oakland, CA 94607
Tel: (510) 595-3020

Mechanical/Plumbing
Taylor Engineers
1080 Marina Village
Parkway, Suite 501
Alameda, CA 94501
Tel: (510) 749-9135

SEPARATE PERMITS ARE REQUIRED FOR ALL WORK IN THE PUBLIC RIGHT OF WAY FROM THE ENGINEERING DIVISION

☐ APPROVED

☒ APPROVED WITH COMMENTS
SEE SHEET(S) C3.1 & C4.1
FOR COMMENTS

CITY OF LOS ALTOS
ENGINEERING DIVISION
DATE: 12/6/23 BY: V.C.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PERMIT PLAN CHECK RESPONSE II

SHEET TITLE
COVER SHEET

SHEET NUMBER
G0-0

12/18/2023 4:41:31 PM Autodesk Docs://Los Altos EOC/COLAEOC_Arch_Central_2023.rvt

ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL TO THE AREA OF ALTERATION IS FULLY COMPLIANT, REFER TO A1-1 FOR SITE ACCESSIBILITY & INTERIOR PATH OF TRAVEL TO AREA OF ALTERATION.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

SYMBOL LEGEND

NAME — OCCUPANCY TYPE DESCRIPTION
4000 S — TOTAL ROOM AREA IN SQUARE FEET
B 150 OL — OCCUPANT LOAD FACTOR PER CBC TABLE 1004.5
20 OC — TOTAL ROOM OCCUPANCY
OCCUPANCY TYPE PER CBC TABLE 1004.5

DOOR
X" | Y
Z"
X = REQUIRED WIDTH (IN) = 0.2" PER OCCUPANT
Y = OCCUPANTS
Z = WIDTH PROVIDED (IN)

14' — COMMON PATH OF EGRESS TRAVEL PER CBC SECTION 1006.2.1

14' — EXIT ACCESS TRAVEL DISTANCE PER CBC SECTION 1017.2

1-HOUR RATED ENCLOSURE

2-HOUR RATED ENCLOSURE

ACCESSIBLE PATH

— OCCUPANT LOAD @ ROOM/SPACE

— OCCUPANT LOAD ACCUMULATED @ BUILDING EXIT

AREA NOT IN SCOPE - NO OCCUPANCY SHOWN

FEC FE — FIRE EXTINGUISHER CABINET
FIRE EXTINGUISHER ON WALL BRACKET

36" SINGLE DOOR CAPACITY = 160

72" DOUBLE DOOR CAPACITY = 320

CAPACITY OF MEANS OF EGRESS EXIT DOORS IS CALCULATED BY MULTIPLYING THE OCCUPANT LOAD BY A FACTOR OF 0.2"/OCC. (CBC 1005.3.2)

BUILDING HAS SPRINKLER SYSTEM THROUGHOUT

MAX COMMON PATH, PER CBC 1006.2.1
GROUP A,E = 75'
GROUP B = 100'

PER CBC 1017.2 MAXIMUM PATH OF TRAVEL TO EXIT -
A+E OCCUPANCIES: 250'
B OCCUPANCY : 300'

PER CBC 1030.2 - ASSEMBLY MAIN EXIT -
IF OCC LOAD > 300, THEN 1/2 OF OCC MUST EXIT THRU MAIN ENTRY

PER CBC 303.1.2 - SMALL ASSEMBLY SPACES
ASSEMBLY ROOMS W/ < 50 OCC SHALL BE CLASSIFIED AS GROUP B
ASSEMBLY ROOMS W/ < 750 SF SHALL BE CLASSIFIED AS GROUP B, OR OTHER ACCESSORY OCCUPANCY

CODE SUMMARY

(E) CONSTRUCTION TYPE:	VB (NO CHANGE)
(E) OCCUPANCY GROUP:	A-3, B & E NON-SEPARATED (NO CHANGE) A-3 MOST RESTRICTIVE
(E) FIRE SPRINKLERS:	FULLY SPRINKLERED (NO CHANGE)
(E) STORIES:	1 (NO CHANGE)
(E) RISK CATEGORY:	IV

(E) ALLOWABLE AREA INCLUDING FRONTAGE INCREASE:	28,439 SF
(E) BUILDING AREA:	24,515 SF

APPROX AREA OF ALTERATION:

RM 110 MP-2	735 SF
RM 120 MP-1	1192 SF
RM 120B STOR.	157 SF
RM 125 ELEC.	98 SF
RM 126 IT/TELE	156 SF
RM 157 ELEC (MAIN)	406 SF
RM 173 ELEC	65 SF
RM 175 STOR	121 SF
SUB-TOTAL ALTERATION AREA	**2,930 SF**

BUILDING ELEMENT RATING - TABLE 601
FIRE RESISTANCE

PRIMARY STRUCTURAL FRAME	0-HR
BEARING WALLS INTERIOR	0-HR
BEARING WALL S EXTERIOR	0-HR
NONBEARING WALLS/PARTITIONS	0-HR
FLOOR CONSTRUCTION	0-HR
ROOF CONSTRUCTION	0-HR

ELECTRICAL ROOM 1-HR & 2-HR AS REQ'D BY CEC, SEE ELEC DWGS

N. LOBBY DOOR POTENTIAL LOAD

AGGREGATE NORTH LOBBY:	
NORTH LOBBY	292
1/2 MP1	42
1/2 MP2	24
RECEPTION	3
FUTURE CAFE	2
SUB TOTAL	363
1/2 SOUTH LOBBY	221
TOTAL	584
CAPACITY	
(4) PAIR OF DOORS	1280

S. LOBBY DOOR POTENTIAL LOAD

AGGREGATE SOUTH LOBBY:	
S. LOBBY	131
SENIOR 1	31
SENIOR 2	31
1/2 COMMUNITY RM & STOR	216
MEETING 1 & 2	16
SEATING NICHE 1 & 2	17
SUBTOTAL	442
1/2 OF S. LOBBY EXITS TO N. LOBBY	
TOTAL	221
EXIT CAPACITY	480
1 PAIR DOOR + 1 SINGLE DOOR	

BUILDING DROP-OFF
ACCESSIBLE PATHS OF TRAVEL END AT SIDEWALK (PUBLIC WAY)
PARKING LOT
PUBLIC WAY
BOCCE COURTS
DOOR 5" | 25 | 32"
MP-2 731 S | A-3 | 15 OL | 49 OC
WHARF HYDRANT 2
DOOR 30" | 146 | 64"
NOT IN SCOPE
ELEC 65 S | B | 300 OL | 1 OC
STORAGE 121 S | S | 300 OL | 1 OC
COURYARD EXIT
LINE OF CANOPY COVER ABOVE
MP-1 1236 S | A-3 | 15 OL | 83 OC
DOOR 8" | 41 | 32"
COURTYARD
LINE OF 2-HR FIRE RATED ENCLOSURE
ELEC 101 S | B | 300 OL | 1 OC
IT/TEL 157 S | B | 300 OL | 1 OC
NOT IN SCOPE
ELECTRICAL 407 S | B | 300 OL | 2 OC
OUTDOOR PLAY AREA
MINIMUM 60" WIDE ACCESSIBLE PATH - CONCRETE WHERE SERVING EXIT DISCHARGE
WHARF HYDRANT 1
100' MAX TO HYDRANT
NOT IN SCOPE
DOOR 44.2" 221 | 96"
LINE OF 1-HR FIRE RATED ENCLOSURE
85'-0"
ACCESSIBLE PATHS OF TRAVEL END AT SIDEWALK (PUBLIC WAY)
FH
PUBLIC WAY
TO HILLVIEW AVE.
TRANSFORMER
RAMP DOWN TO TRASH ENCLOSURE ACCESS
P/V INDICATOR
TRASH ENCLOSURE
PARKING LOT
PUBLIC WAY

OCCUPANCY TYPE

- ASSEMBLY, CONCENTRATED
- ASSEMBLY, UNCONCENTRATED
- BUSINESS AREA
- ACCESSORY STORAGE / MECH)
- AREA NOT IN SCOPE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

1 G1-0 — OCCUPANT LOAD / EXITING PATH PLAN
3/32" = 1'-0"

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL
LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/20203	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
CODE SUMMARY & OCCUPANCY EGRESS PLAN

SHEET NUMBER
G1-0

11/14/2023 2:27:07 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

DIVISION 5.5 Environmental Quality (continued)		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE	APPLICABLE MEASURES
	Mandatory	Outside air delivery	5.506.1		N/A			
	Mandatory	Carbon dioxide (CO_2) monitoring	5.506.2		N/A			
	Mandatory	Acoustical control (with exception)	5.507.4		N/A			
	Mandatory	Exterior noise transmission, prescriptive method (with exceptions)	5.507.4.1		N/A			
	Mandatory	Noise exposure where noise contours are not readily available	5.507.4.1.1		N/A			
	Mandatory	Performance method	5.507.4.2		N/A			
	Mandatory	Site features	5.507.4.2.1		N/A			
	Mandatory	Documentation of compliance	5.507.4.2.2		N/A			
	Mandatory	Interior sound transmission (with note)	5.507.4.3		N/A			
	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1		N/A			
	Mandatory	Chlorofluorocarbons (CFCs)	5.508.1.1		N/A			
	Mandatory	Halons	5.508.1.2		N/A			
	Mandatory	Supermarket refrigerant leak reduction for retail food stores 8,000 sf or more Sections 5.508.2 through 5.508.2.6.3	5.508.2 through 5.508.2.6.3		N/A			
		END OF MANDATORY PROVISIONS						

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

2022 CALGREEN NON-RESIDENTIAL MANDATORY MEASURES CHECKLIST Version 4_12_2023

DEVELOPMENT SERVICES DEPARTMENT – BUILDING DIVISION
VERONICA TINOCO, BUILDING OFFICIAL
BLDPERMIT@LOSALTOSCA.GOV • WWW.LOSALTOSCA.GOV

PURPOSE:

The non-residential provisions of the 2022 Cal Green Code outline planning, design and development methods that include environmentally responsible site selection, building design, and building site and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties; establishes the means of conserving water used indoors, outdoors and in wastewater conveyance; outlines means of achieving material conservation and resource efficiency; and outlines means of reducing the quantity of air contaminants.

Project Name: Los Altos Emergency Operation Center

Project Address: 97 Hillview Ave, Los Altos, CA 94022

Project Description: Alteration to (e) Community Center completed in 2021 and addition of exterior emergency generator

Instructions:

1. The owner or owner's agent **shall employ a LEED accredited professional or organization** (LAMC Section 12.26.030) experienced with the 2022 Green Building Standards Codes **to inspect, verify and assure that all required work described herein is properly planned and implemented in the project.**
2. The LEED accredited professional or organization, in collaboration with the owner and the design professional shall review this checklist, **initial** the "Applicable Measures" column and sign and date **Section 1 –Design Verification** at the end of this checklist prior to submittal.
3. **PRIOR TO FINAL INSPECTION BY THE BUILDING DIVISION**, the LEED accredited professional or organization shall inspect the project. Once all applicable measures have been verified, sign and date **Section 2 – Implementation Verification** and submit the completed form to the Building Division BLDPermit@LosAltosCA.gov

Application:

This checklist shall be used for nonresidential projects that meet one of the following:

- **New construction**
- **Building additions of 1,000 sq. ft. or greater or**
- **Building alterations with a permit valuation of $200,000 or more pursuant to Section 301.3 AND do not trigger a Tier 1 or Tier 2 and initial tenant or occupant improvement to a new commercial building.**

Requirement:

Y = Yes (section has been selected and/or included)
N/A = Not Applicable (code section does not apply to the project-mainly used for additions and alterations)
O = Other (provide explanation)
[N] = New construction pursuant to Section 301.3
[A] = Additions and/or Alterations pursuant to Section 301.3

CALGREEN SIGNATURE DECLARATIONS

Project Name: Los Altos Emergency Operation Center

Project Address: 97 Hillview Ave, Los Altos, CA 94022

Project Description: Alteration to (e) Community Center completed in 2021 and addition of exterior emergency generator

SECTION 1 – DESIGN VERIFICATION

Complete all lines of Section 1 – "Design Verification" and **SUBMIT THE ENTIRE CHECKLIST (COLUMNS 2 AND 3) WITH THE PLANS AND BUILDING PERMIT APPLICATION TO THE BUILDING DEPARTMENT.**

The owner and design professional responsible for compliance with Cal Green Standards have reviewed the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the **2022 California Green Building Standards Code** as adopted by the City of Los Altos.

Morgan Loatfi — 11/13/2023
Owner's Signature — Date

Morgan Loatfi
Owner's Name **(Please Print)**

[signature] — 10/04/2023
Design Professional's Signature — Date

Janet Tam, FAIA
Design Professional's Name **(Please Print)**

Noll & Tam Architects — (510) 542-2200
Name of LEED Accredited Professional or organization — Phone Number

[signature] — 10/12/2023
Signature of LEED Accredited Professional or organization — Date

Dora Pollak, AIA LEED AP BD+C — (510) 542-2200
Name of LEED Accredited Professional or organization **(Please Print)** — Phone No.

dora.pollak@nollandtam.com
Email Address for LEED Accredited Professional or organization

SECTION 2 – IMPLEMENTATION VERIFICATION

Complete, sign and submit the completed checklist together with all original signatures on Section 2 to the Building Department **PRIOR TO BUILDING DEPARTMENT FINAL INSPECTION**.

I have inspected the work and have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements of the **2022 California Green Building Standards Code** as adopted by the City of Los Altos.

Signature of Leed Accredited Professional or organization — Date

Name of LEED Accredited Professional or organization **(Please Print)** — Phone No.

Chapter 5 Divisions		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE	APPLICABLE MEASURES
DIVISION 5.1 Planning and Design	Mandatory	Storm water pollution prevention for projects that disturb less than 1 acre of land	5.106.1 through 5.106.2	Y			C4.1, C4.2	DP
	Mandatory	Short-term bicycle parking (with exception)	5.106.4.1.1		N/A			
	Mandatory	Long-term bicycle parking	5.106.4.1.2 through 5.106.4.1.5		N/A			
	Mandatory	EV Capable Spaces	5.106.5.3.1		N/A			
	Mandatory	Electric Vehicle Charging Stations	5.106.5.3.2		N/A			
	Mandatory	Use of Automatic Load Management Systems	5.106.5.3.3		N/A			
	Mandatory	Accessible EVCS	5.106.5.3.4		N/A			
	Mandatory	Light pollution reduction [N] (with exceptions and notes)	5.106.8		N/A			
	Mandatory	Grading and paving (exception for additions and alterations not altering the drainage path)	5.106.10	Y			C2.1, C3.1	DP
	Mandatory	Meet the minimum energy efficiency standard	5.201.1	Y			E4-1, E8-1, E8-2	DP
DIVISION 5.2 Energy Efficiency	Mandatory	Separate meters (new buildings or additions >50,000 sf that consume more than 100 gal/day)	5.303.1.1		N/A			
DIVISION 5.3 Water Efficiency and Conservation	Mandatory	Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2		N/A			
	Mandatory	Water closets shall not exceed 1.28 gallons per flush (gpf)	5.303.3.1		N/A			
	Mandatory	Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1		N/A			
	Mandatory	Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2		N/A			
	Mandatory	Single showerhead shall have maximum flow rate of 1.8 gallons per minute (gpm) at 80 psi	5.303.3.3.1		N/A			
	Mandatory	Multiple showerheads serving one shower shall have a combined flow rate of 1.8 gpm at 80 psi	5.303.3.3.2		N/A			
	Mandatory	Nonresidential lavatory faucets	5.303.3.4.1		N/A			
	Mandatory	Kitchen faucets	5.303.3.4.2		N/A			
	Mandatory	Wash fountains	5.303.3.4.3		N/A			
	Mandatory	Metering faucets	5.303.3.4.4		N/A			
	Mandatory	Metering faucets for wash fountains	5.303.3.4.5		N/A			
	Mandatory	Food waste disposers	5.303.4.1		N/A			
	Mandatory	Areas of additions or alterations	5.303.5		N/A			
	Mandatory	Standards for plumbing fixtures and fittings	5.303.6		N/A			
	Mandatory	Outdoor potable water use in landscape areas (with notes)	5.304.1		N/A			

Chapter 5 Divisions		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE	APPLICABLE MEASURES
DIVISION 5.4 Material Conservation & Resource Efficiency	Mandatory	Weather protection	5.407.1	Y			A3-1	DP
	Mandatory	Moisture control: sprinklers	5.407.2.1		N/A			
	Mandatory	Moisture control: exterior door protection	5.407.2.2.1		N/A			
	Mandatory	Moisture control: flashing	5.407.2.2.2		N/A			
	Mandatory	Construction waste management comply with either: Sections 5.408.1.1, 5.408.1.2, 5.408.1.3 or more stringent local ordinance	5.408.1.1 5.408.1.2 5.408.1.3	Y			Spec 01 74 19	DP
	Mandatory	Construction waste management documentation	5.408.1.4	Y			Spec 01 74 19	DP
	Mandatory	Universal waste [A]	5.408.2	Y			Spec 01 74 19	DP
	Mandatory	Excavated soil and land clearing debris (100% reuse or recycle)	5.408.3	Y			Spec 01 74 19	DP
	Mandatory	Recycling by occupants (with exception)	5.410.1			O	(E) & unchanged	DP
	Mandatory	Recycling by occupants: additions (with exception)	5.410.1.1		N/A			
	Mandatory	Recycling by occupants: sample ordinance	5.410.1.2		N/A			
	Mandatory	Commissioning new buildings (≥10,000 sf)	5.410.2		N/A			
	Mandatory	Owner's or owner representative's Project Requirements (OPR) [N]	5.410.2.1		N/A			
	Mandatory	Basis of Design (BOD) [N]	5.410.2.2		N/A			
	Mandatory	Commissioning plan [N]	5.410.2.3		N/A			
	Mandatory	Functional performance testing [N]	5.410.2.4		N/A			
	Mandatory	Documentation and training [N]	5.410.2.5		N/A			
	Mandatory	Systems manual [N]	5.410.2.5.1		N/A			
	Mandatory	Systems operation training [N]	5.410.2.5.2		N/A			
	Mandatory	Commissioning report [N]	5.410.2.6		N/A			
	Mandatory	Testing and adjusting for new buildings <10,000 sf or new systems that serve additions or alterations [A]	5.410.4	Y			Spec 01 40 00, 23 00 00, 26 08 00	DP
	Mandatory	System testing plan for renewable energy, landscape irrigation and water reuse [A]	5.410.4.2		N/A			
	Mandatory	Procedures for testing and adjusting	5.410.4.3	Y			Spec 01 79 23	DP
	Mandatory	Procedures for HVAC balancing	5.410.4.3.1	Y			Spec 23 05 93	DP
	Mandatory	Reporting for testing and adjusting	5.410.4.4	Y			Spec 01 91 00	DP
	Mandatory	Operation and maintenance (O&M) manual	5.410.4.5	Y			Spec 01 78 23	DP
	Mandatory	Inspection and reports	5.410.4.5.1	Y			Spec 01 45 23	DP
DIVISION 5.5 Environmental Quality	Mandatory	Fireplaces	5.503.1		N/A			
	Mandatory	Woodstoves	5.503.1.1		N/A			
	Mandatory	Temporary ventilation	5.504.1	Y			Spec 02 41 13	DP
	Mandatory	Covering of duct openings and protection of mechanical equipment during construction	5.504.3	Y			Spec 01 81 13, 02 41 13	DP
	Mandatory	Adhesives, sealants and coatings	5.504.4.1	Y			Spec 01 81 13	DP
	Mandatory	Paints and coatings	5.504.4.3	Y			Spec 01 81 13	DP
	Mandatory	Aerosol paints and coatings	5.504.4.3.1	Y			Spec 01 81 13	DP
	Mandatory	Aerosol paints and coatings: verification	5.504.4.3.2	Y			Spec 01 81 13	DP
	Mandatory	Carpet systems	5.504.4.4	Y			Spec 01 81 13	DP
	Mandatory	Carpet cushion	5.504.4.4.1	Y			Spec 01 81 13	DP
	Mandatory	Carpet adhesives per Table 5.504.4.4.2	5.504.4.4.2	Y			Spec 01 81 13	DP
	Mandatory	Composite wood products	5.504.4.5	Y			Spec 01 81 13	DP
	Mandatory	Composite wood products documentation	5.504.4.5.3	Y			Spec 01 81 13	DP
	Mandatory	Resilient flooring systems	5.504.4.6	Y			Spec 01 81 13	DP
	Mandatory	Resilient flooring: verification of compliance	5.504.4.6.1	Y			Spec 01 81 13	DP
	Mandatory	Filters (with exceptions)	5.504.5.3		N/A			
	Mandatory	Filters: labeling	5.504.5.3.1		N/A			
	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7	Y			Spec 01 11 00	DP
	Mandatory	Indoor moisture control	5.505.1		N/A			

SANTA CLARA COUNTY FIRE DEPARTMENT

14700 Winchester Blvd., Los Gatos, CA 95032 | (408) 378-4010 | www.sccfd.org

PLAN REVIEW No. 23 4544
BLDG PERMIT No. BLD23-01584

PLAN REVIEW COMMENTS

Plans and Scope of Review:

This project shall comply with the following:
1. The 2022 edition of the California Fire, Building, Mechanical, and Electrical Codes (CFC/CBC/CMC/CEC), as adopted by the City of Los Altos
2. Santa Clara County Fire Department's (SCCFD) Specifications

The scope of this project includes the following:
Tenant improvement of an existing emergency operations center; install new generator; this is an optional standby system; therefore, does not need to meet the requirements of CFC 1203. Misc. MEP modifications in building interior.

Plan Status:
Plans are **APPROVED**.

Plan Review Comments:

1. All construction sites must comply with applicable provisions of the CFC Chapter 33 and SCCFD's Specification SI-7 - Construction Site Fire Safety.

2. Fire department access to the site, the building, and to all fire protection systems shall be maintained at all times, in accordance with CFC Chapter 5.

3. Provide a submittal to SCCFD for the installation/modification of each of the systems listed below per CFC Chapter 1 and 9. Submit shop drawings (3 sets) and a permit application to the Santa Clara County Fire Department for approval before altering the systems as applicable. Call (408) 341-4420 for more information. NOTE: Proof that the corresponding building permit has been formally issued shall be provided at time of submittal.
a. Fuel System associated with generator for SCCFD HazMat review

4. Prior to building final, a fire and life safety final inspection shall be conducted by SCCFD. This may be scheduled by calling (408) 341-4420

5. The integrity of any fire-rated construction shall be maintained, in accordance with CFC and CBC chapter 7.

City	PLANS	SPECS	NEW	RMDL	AS	OCCUPANCY	CONST. TYPE	ApplicantName	DATE	PAGE
LOS	☒	☐	☐	☒	☒	B, A3	VB	Noll & Tam Architects	11/29/2023	1 of 2

SEC/FLOOR	AREA	LOAD	PROJECT DESCRIPTION	PROJECT TYPE OR SYSTEM
1	n/a	n/a	Commercial Construction	Remodel

NAME OF PROJECT	LOCATION
COMMUNITY CENTER - CITY OF LOS ALTOS	97 Hillview Avenue Los Altos

TABULAR FIRE FLOW	REDUCTION FOR FIRE SPRINKLERS	REQUIRED FIRE FLOW @ 20 PSI	BY
			Iwamoto, Grant / Gipe

Serving Santa Clara County and the communities of Campbell, Cupertino, Los Altos, Los Altos Hills, Los Gatos, Monte Sereno, and Saratoga.

SANTA CLARA COUNTY FIRE DEPARTMENT

14700 Winchester Blvd., Los Gatos, CA 95032 | (408) 378-4010 | www.sccfd.org

PLAN REVIEW No. 23 4544
BLDG PERMIT No. BLD23-01584

PLAN REVIEW COMMENTS

6. All egress doors shall be readily openable from the egress side, with a single action, **WITHOUT** the use of a key, ***thumb turn***, or any special knowledge or effort unless specifically shown on plan to meet exceptions in CFC 1010.2

7. Egress lighting shall provide the minimum 1 foot-candle at the walking surface for all egress paths, in accordance with CFC 1008.2.1.

8. All finishes shall meet the requirements of CBC Chapter 8.

9. Portable fire extinguishers shall be provided for every 75 feet of travel distance, and the minimum size of the extinguisher shall be 2-A:10-BC, in accordance with CFC 906.3.

This review shall not be construed to be an approval of a violation of the provisions of the California Fire Code or of other laws or regulations of the jurisdiction. A permit presuming to give authority to violate or cancel the provisions of the fire code or other such laws or regulations shall not be valid. Any addition to or alteration of approved construction documents shall be approved in advance. [CFC, Ch.1, 105.3.6]

City	PLANS	SPECS	NEW	RMDL	AS	OCCUPANCY	CONST. TYPE	ApplicantName	DATE	PAGE
LOS	☒	☐	☐	☒	☒	B, A3	VB	Noll & Tam Architects	11/29/2023	2 of 2

SEC/FLOOR	AREA	LOAD	PROJECT DESCRIPTION	PROJECT TYPE OR SYSTEM
1	n/a	n/a	Commercial Construction	Remodel

NAME OF PROJECT	LOCATION
COMMUNITY CENTER - CITY OF LOS ALTOS	97 Hillview Avenue Los Altos

TABULAR FIRE FLOW	REDUCTION FOR FIRE SPRINKLERS	REQUIRED FIRE FLOW @ 20 PSI	BY
			Iwamoto, Grant / Gipe

Serving Santa Clara County and the communities of Campbell, Cupertino, Los Altos, Los Altos Hills, Los Gatos, Monte Sereno, and Saratoga.

STATE OF CALIFORNIA – DEPARTMENT OF GENERAL SERVICES – BUILDING STANDARDS COMMISSION

CALGreen - NONRESIDENTIAL MANDATORY MEASURES CHECKLIST

The provisions of Title 24 Part 11 (CalGreen) - Chapter 5 Nonresidential Mandatory Measures shall apply to new construction, building additions of 1,000 square...

Y = Yes (section has been selected and/or included)
N/A = Not Applicable (Code section does not apply to the project, mainly used for additions and alterations)
O = Other (provide explanation)
[N] = New construction pursuant to Section 301.3
[A] = Additions and/or alterations pursuant to Section 301.3
[DSA] = Projects subject to DSA review pursuant to Section 301.4

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	O	SHEET, SPEC, OR OTHER REFERENCE	COMMENTS
DIVISION 5.1 Planning and Design	Mandatory	Storm water pollution prevention w/ subsections for projects that disturb less than one acre of land.	5.106.1 through 5.106.1.2	Y	...		C4.1, C4.2	Erosion control and BMP measures detailed and noted on plans. ...
	Mandatory	Short term bicycle parking (w/ exception)	5.106.4.1.1		N/A			Alterations do not add visitor traffic
		Long term bicycle parking	5.106.4.1.2 though 5.106.4.1.5		N/A			no tenants
	Mandatory	Electric vehicle (EV) charging [N] w/ exceptions	5.106.5.3		N/A			No parking alterations or EV parking are included in the project.
		EV capable spaces [N]	5.106.5.3.1					
		Electric vehicle charging stations (EVCS)	5.106.5.3.2					
	Mandatory	Use of automatic load management systems (ALMS)	5.106.5.3.3		N/A			Not in scope
	Mandatory	Accessible EVCS	5.106.5.3.4		N/A			Not in scope, no change to parking
		Note for EVCS signs			N/A			
		Table 5.106.5.3.1 w/ footnotes	5.106.3.1 through 5.106.3.3					
	Mandatory	Electric vehicle (EV) charging: medium-duty and heavy-duty [N]	5.106.5.4		N/A			No parking alterations or EV parking are included in the project.
		Electric vehicle charging readiness requirements for warehouses, grocery stores and retail stores with planned offstreet loading spaces [N]	5.106.5.4.1					
		Table 5.106.5.4.1	5.106.5.4 and 5.106.5.4.1					
	Mandatory	[N] Light pollution reduction (w/ exceptions, notes, and table)	5.106.8 through 5.106.8.2		N/A			
	Mandatory	Grading and Paving (w/ exception for Additions and Alterations not altering the drainage path)	5.106.10	Y			C2.1, C3.1	Grading, drainage, and paving improvements are included in the plan set.
DIVISION 5.2 Energy...	Mandatory	Meet the minimum energy efficiency standard as required by the authority having jurisdiction (California Energy Code minimum)	5.201.1	Y			Sheets E4-1, E8-1, and E8-2	Title 24 for new generator enclosure lighting.
DIVISION 5.3 Water Efficiency and Conservation	Mandatory	Separate Meters (new buildings or additions > 50,000 SF that consume more than 100 gal/day)	5.303.1.1		N/A			Alteration only, not new or addition
		Separate Meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2		N/A			No tenant and alteration only
	Mandatory	Water closets shall not exceed 1.28 gallons per flush (gpf)	5.303.3.1		N/A...			
		Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1		N/A			
		Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2		N/A			
		Single showerhead shall have maximum flow rate of 1.8 gallons per minute (gpm) at 80 psi	5.303.3.3.1		N/A			
		Multiple showerheads serving one shower shall have a combined flow rate not to exceed 1.8 gpm at 80 psi	5.303.3.3.2		N/A			
		Nonresidential lavatory faucets shall have max flow rate of 0.5 gpm at 60 psi	5.303.3.4.1		N/A			
		Kitchen faucets shall have max flow rate of 1.8 gpm at 60 psi (w/ temporary increase to 2.2 gpm at 60 psi max)	5.303.3.4.2		N/A			
		Wash fountains shall have max flow rate of 1.8 gpm at 60 psi	5.303.3.4.3		N/A			
		Metering faucets shall not exceed 0.20 gallons per cycle	5.303.3.4.4		N/A			
		Metering faucets for wash fountains shall have max flow rate of 0.20 gallons per cycle at 60 psi	5.303.3.4.5		N/A			
		Pre-rinse spray valve	5.303.3.4.6		N/A			
	Mandatory	Food waste disposers	5.303.4.1		N/A			
	Mandatory	Areas of additions or alterations	5.303.5		N/A			
	Mandatory	Standards for plumbing fixtures and fittings	5.303.6		N/A			
	Mandatory	Outdoor potable water use in landscape areas (with notes)	5.304.1		N/A			
CHAPTER 5 DIVISIONS		**SECTION TITLE**	**CODE SECTION**	**Y**	**N/A**	**O**	**Plan sheet, Spec or Attach Reference**	**Explanation**
DIVISION 5.4 Material Conservation and Resource Efficiency	Mandatory	Weather protection	5.407.1	Y			A3-1	envelope scope: roofing details
	Mandatory	Moisture control: Sprinklers	5.407.2.1		N/A			not in scope
		Moisture control: Exterior door protection	5.407.2.2.1		N/A			
		Moisture control: Flashing	5.407.2.2.2		N/A			
	Mandatory	Construction waste management: comply with either: sections 5.408.1.1, 5.408.1.2, 5.408.1.3, or more stringent local ordinance	5.408.1.1, 5.408.1.2, 5.408.1.3	Y			Spec 01 74 19	
		Construction waste management: Documentation	5.408.1.4	Y			Spec 01 74 19	
	Mandatory	[A] Universal Waste must be disposed of properly	5.408.2	Y			Spec 01 74 19	
	Mandatory	Excavated soil and land clearing debris (100 % reuse or recycle)	5.408.3	Y			Spec 01 74 19	
	Mandatory	Recycling by Occupants (w/ exception)	5.410.1			O		Existing and unchanged
		Recycling by Occupants: Additions (w/ exception)	5.410.1.1		N/A			
		Recycling by Occupants: Sample ordinance	5.410.1.2		N/A			
	Mandatory	[N] Commissioning: Required for new buildings (□ 10,000 SF)	5.410.2		N/A			Exception 3. N/A, TI of less than 10,000 sf
		[N] Owner's or Owner representative's Project Requirements (OPR)	5.410.2.1		N/A			
		[N] Basis of Design (BOD)	5.410.2.2		N/A			
		[N] Commissioning Plan	5.410.2.3		N/A			
		[N] Functional Performance Testing	5.410.2.4		N/A			
		[N] Documentation and Training	5.410.2.5		N/A			
		[N] Systems Manual	5.410.2.5.1		N/A			
		[N] Systems Operations Training	5.410.2.5.2		N/A			
		[N] Commissioning Report	5.410.2.6		N/A			
	Mandatory	Testing and adjusting: required for new buildings < 10,000 SF or new systems that serve additions or alterations	5.410.4	Y			01 40 00 Div 22, 23, 26	Mech see 23 00 00 Electrical testing included in specification 26 08 00
		System testing plan for renewable energy, landscape irrigation and water reuse	5.410.4.2	Y				
		Procedures for testing and adjusting	5.410.4.3	Y				
		Procedures for HVAC balancing	5.410.4.3.1	Y				
		Reporting for testing and adjusting	5.410.4.4	Y				
		Operation and maintenance (O&M) manual	5.410.4.5	Y			01 78 23	
		Inspections and reports	5.410.4.5.1	Y			01 45 23	
CHAPTER 5 DIVISIONS		**SECTION TITLE**	**CODE SECTION**	**Y**	**N/A**	**O**	**Plan sheet, Spec or Attach Reference**	**Explanation**
DIVISION 5.5 Environmental Quality	Mandatory	Fireplaces	5.503.1		N/A			
	Mandatory	Woodstoves	5.503.1.1		N/A			
	Mandatory	Temporary ventilation	5.504.1	Y			spec 02 41 13	
	Mandatory	Covering of ducts openings and protection of mechanical equipment during construction	5.504.3	Y			specs 01 81 13 and 02 41 13	
	Mandatory	Adhesives, sealants and caulks	5.504.4.1	Y			Spec 01 81 13	
	Mandatory	Paints and coatings	5.504.4.3	Y			Spec 01 81 13	
		Aerosol paints and coatings	5.504.4.3.1					
		Aerosol paints and coatings: Verification	5.504.4.3.2					
	Mandatory	Carpet systems	5.504.4.4	Y			Spec 01 81 13	
		Carpet cushion	5.504.4.4.1					
		Carpet adhesive per table 5.504.4.4.2	5.504.4.4.2					
	Mandatory	Composite wood products	5.504.4.5	Y			Spec 01 81 13	
		Composite wood products: documentation	5.504.4.5.3					
	Mandatory	Resilient flooring systems	5.504.4.6	Y			Spec 01 81 13	
		Resilient flooring: verification of compliance	5.504.4.6.1					
	Mandatory	Thermal insulation	5.504.4.7	Y			Spec 01 81 13	
		Verification of compliance	5.504.4.7.1					
		Acoustical ceilings and wall panels	5.504.4.8	Y			Spec 01 81 13	
		Verification of compliance	5.504.4.8.1					
	Mandatory	Filters (w/ exceptions)	5.504.5.3		N/A			
		Filters: labeling	5.504.5.3.1		N/A			
	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7	Y			01 11 00	
	Mandatory	Indoor moisture control	5.505.1		N/A			
	Mandatory	Outside air delivery	5.506.1		N/A			
	Mandatory	Carbon dioxide (CO2) monitoring	5.506.2		N/A			
	Mandatory	Acoustical control (w/ exceptions)	5.507.4		N/A			
	Mandatory	Exterior noise transmission, prescriptive method (w/ exceptions)	5.507.4.1		N/A			
		Noise exposure where noise contours are not readily available	5.507.4.1.1		N/A			
	Mandatory	Performance method	5.507.4.2		N/A			
		Site features	5.507.4.2.1					
		Documentation of compliance	5.507.4.2.2					
	Mandatory	Interior sound transmission: Wall and floor assemblies shall have STC of at least 40	5.507.4.3		N/A			
	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1		N/A			
		Chlorofluorocarbons (CFCs) shall not be used	5.508.1.1					
		Halons shall not be used	5.508.1.2					
	Mandatory	Supermarket refrigerant leak reduction for retail food stores 8,000 square feet or more sections 5.508.2 through 5.508.2.6.3	5.508.2 through 5.508.2.6.3		N/A			

END OF MANDATORY PROVISIONS

☑ Mandatory: I attest that this mandatory provisions checklist is accurate and complete.

Signature: [signature]

Company: Noll & Tam	Date: 10/4/2023
Address: 729 Heinz Avenue #7	License: No. C-14064
City/State/Zip: Berkeley, Ca 94710	Phone Number: (510) 542-2200

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PERMIT PLAN CHECK RESPONSE II

SHEET TITLE
CALGREEN CHECKLIST & SCCFD APPROVAL LETTER

SHEET NUMBER
G1-1

12/18/2023 4:42:22 PM   Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

CAUTION:

1. THE LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.
2. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA NORTH 811) FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION– PHONE (800) 642–2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.
3. THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE PROJECT ENGINEER IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.

GENERAL SITE NOTES:

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.
2. ALL WORK ON–SITE AND IN THE PUBLIC RIGHT–OF–WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
3. PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05 FEET TO PROJECT ENGINEER.
4. DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
5. CONTRACTOR SHALL REPLACE ALL STRUCTURES AND GRATE LIDS FOR VAULTS, CATCH BASINS, ETC., WITH VEHICULAR–RATED STRUCTURES IN ALL TRAFFIC ACCESSIBLE AREAS.
6. THE CONTRACTOR SHALL ADJUST TO FINAL GRADE ALL EXISTING AND/OR NEW MANHOLES, CURB INLETS, CATCH BASINS, VALVES, MONUMENT COVERS, AND OTHER CASTINGS WITHIN THE WORK AREA TO FINAL GRADE IN PAVEMENT AND LANDSCAPE AREAS UNLESS NOTED OTHERWISE.
7. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CONSULTING ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
9. EXISTING PEDESTRIAN WALKWAYS, BIKE PATHS AND ACCESSIBLE PATHWAYS SHALL BE MAINTAINED, WHERE FEASIBLE, DURING CONSTRUCTION.
10. IF A CONFLICT ARISES BETWEEN THE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
11. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY CAL ENGINEERING & GEOLOGY, DATED MAY 22, 2018.
12. A CITY APPROVED TRAFFIC CONTROL PLAN SHALL BE IMPLEMENTED PRIOR TO WORK IN THE PEDESTRIAN CONNECTION SHOWN IN C2.2 OR ANYWHERE VEHICLE TRAFFIC IS IMPACTED.
13. CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS OF THE BAY AREA AIR MANAGEMENT DISTRICT (BAAQMD) REGULATIONS.
14. CONTRACTOR SHALL MINIMIZE IDLING TIME EITHER BY SHUTTING EQUIPMENT OFF WHEN NOT IN USE OR REDUCING MAXIMUM IDLING TIME TO 5 MINUTES, CONSISTENT WITH BAAQMD BASIC CONSTRUCTION MITIGATION MEASURES.

DEMOLITION NOTES :

1. CONTRACTOR IS TO COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S) AND CONFORM TO THE RECOMMENDATIONS AND REQUIREMENTS OF THE ZNAP FLY HAZARDOUS MATERIALS ASSESSMENT AND REPORT.
2. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
5. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
6. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
7. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL PLAN & DETAILS.
8. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
9. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OR ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
10. COORDINATE WITH ELECTRICAL, MECHANICAL, LANDSCAPING AND ARCHITECTURAL DRAWINGS FOR UTILITY SHUT–DOWN/DISCONNECT LOCATIONS. CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE OWNER. DO NOT INTERRUPT SERVICES TO ADJACENT OFF–SITE OWNERS. ALSO SEE ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
11. THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS NOT IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.

PAVEMENT SECTION:

1. SEE STRUCTURAL DRAWINGS FOR BUILDING SLAB SECTIONS AND PAD PREPARATIONS.
2. SEE GEOTECHNICAL REPORT AND SHEET C2.1 FOR ALL FLATWORK AND VEHICULAR PAVEMENT SECTIONS AND BASE REQUIREMENTS.
3. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON–SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING, AND ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER AND/OR DEVELOPER'S CIVIL ENGINEER.
4. ALL PAVING SHALL BE IN CONFORMANCE WITH SECTION 25 "AGGREGATE SUBBASES", SECTION 26 "AGGREGATE BASE" AND SECTION 39 "ASPHALT CONCRETE" PER LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.

SITE MAINTENANCE:

1. CONSTRUCTION DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE ON STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE ARE NOT ALLOWED. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
2. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON–SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED–ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.
3. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH EITHER BEING WIND–BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
4. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
5. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.

DUST CONTROL:

1. WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE CITY IN ORDER TO INSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.
2. WATERING ASSOCIATED WITH ON–SITE CONSTRUCTION ACTIVITY SHALL TAKE PLACE DURING CONSTRUCTION AND SHALL INCLUDE AT LEAST ONE LATE–AFTERNOON WATERING TO MINIMIZE THE EFFECTS OF BLOWING DUST.
3. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEPT ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE CITY, OR TO THE SATISFACTION OF THE CITY'S ENGINEERING SERVICE DEPARTMENT.
4. WATERING ON PUBLIC STREETS OR POWER WASHING SEDIMENTATION ON STREETS SHALL NOT OCCUR, UNLESS CONTRACTOR COLLECTS AND FILTERS THE WASH WATER PRIOR TO ITS ENTERING THE CITY'S STORM DRAIN SYSTEM.
5. ON–SITE PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS SHALL BE SWEPT DAILY WITH A WATER SWEEPER.
6. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.
7. THE SPEED OF ALL VEHICLES DRIVING ON UNPAVED ROADS OR PORTIONS OF THE SITE SHALL BE LIMITED TO 15 MPH.
8. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.
9. THE CONTRACTOR SHALL DEMONSTRATE DUST SUPPRESSION MEASURES, SUCH AS REGULAR WATERING, IN ACCORDANCE WITH WITH REGULATION 6, RULE 6 OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD). DUST SUPPRESSION MEASURES SHALL BE IMPLEMENTED TO REDUCE EMISSIONS DURING CONSTRUCTION AND GRADING IN A MANNER MEETING THE APPROVAL OF THE OWNER.
10. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE PROJECT SWPPP AT ALL TIMES. THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE OWNER RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
11. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS. CONTRACTOR IS RESPONSIBLE FOR MONITORING THE AIR QUALITY INDEX (WWW.AIRNOW.GOV) THROUGHOUT CONSTRUCTION AND SHALL SUSPEND GRADING OPERATIONS AS REQUIRED UNDER BAAQMD's AIR QUALITY GUIDELINES.

HORIZONTAL CONTROL NOTES:

1. CONTRACTOR SHALL LAYOUT THE CONTROL FOR THE SITE AS SPECIFIED ON SHEETS C2.1. CONTRACTOR SHALL CLEARLY SET AND MARK EACH OF THE CONTROL POINTS, PROTECTING THE POINTS THROUGHOUT CONSTRUCTION.
2. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.
3. ALL BUILDINGS, DRIVEWAYS AND PARKING LOTS ARE TO BE PARALLEL AND RIGHT ANGLES TO THE BASIS OF BEARINGS AND THE NORTH PROMENADE CONTROL LINE, UNLESS IDENTIFIED OR CLEARLY SHOWN AS A DIFFERENT ANGLE.
4. ALL RETURN RADII AND CURB DATA ARE TO FACE OF CURB, UNLESS OTHERWISE SHOWN OR INDICATED.

RECORD DRAWINGS:

1. THE CONTRACTOR SHALL KEEP UP–TO–DATE AND ACCURATE AS–BUILT SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL.

TREE/PLANT PROTECTION NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN AND CONFORM TO MITIGATION MEASURES OF CITY RESOLUTION 2018–35 MITIGATION MONITORING AND REPORTING PLAN.
2. PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENCLOSING DRIP LINES OF TREES DESIGNATED TO REMAIN.
3. WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM, AVOID UNNECESSARY MOVEMENT OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK VEHICLES WITH IDLE RUNNING ENGINES UNDER DRIP LINE OF TREES.
4. PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2 INCHES IN DIAMETER OF TREES OR PLANTS THAT ARE TO REMAIN CONSULT WITH AN ARBORIST.
5. ANY GRADE CHANGES GREATER THAN 6 INCHES WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT/CIVIL ENGINEER.
6. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
7. PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATED TREES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.

BEST MANAGEMENT PRACTICES NOTES:

1. ALL CONSTRUCTION ON OFF–SITE OR ON–SITE IMPROVEMENTS SHALL ADHERE TO CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) BEST MANAGEMENT PRACTICES TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY OR COUNTY STORM DRAIN SYSTEMS.
2. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT–OF–WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
6. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND.
7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT–OF–WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
8. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
9. CLEAN UP ALL SPILLS USING DRY METHODS.
10. SWEEP ALL GUTTERS AT THE END OF EACH WORKING DAY. GUTTERS SHALL BE KEPT CLEAN AFTER LEAVING CONSTRUCTION SITE.
11. CALL 911 IN CASE OF A HAZARDOUS SPILL.
12. BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, CALIFORNIA STORM WATER QUALITY ASSOCIATION, SACRAMENTO, CALIFORNIA, JANUARY 2015, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY INSPECTORS).
13. UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED BY THE CONTRACTOR AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE, RUBBISH, AND DEBRIS OF ANY NATURE.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. EROSION CONTROL MEASURES ARE INTENDED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CITY STORM DRAIN SYSTEM, SANITARY SEWER SYSTEM OR FROM LEAVING THE SITE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN THE FIELD TO MAKE SURE THAT THIS CONCEPT IS CARRIED OUT.
2. EROSION CONTROL FACILITIES AND MEASURES ARE TO BE INSTALLED AND OPERABLE IN ACCORDANCE WITH THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND CONSTRUCTION GENERAL PERMIT.
3. CONTRACTOR SHALL ASSUME THE CONCEPTS ON THE EROSION CONTROL PLAN, IF PROVIDED, ARE SCHEMATIC MINIMUM REQUIREMENTS, THE FULL EXTENT OF WHICH ARE TO BE DETERMINED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR THE EXACT DESIGN AND EXTENT OF THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MANAGEMENT OF THE CONSTRUCTION SITE.
4. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED, AS REQUIRED, AT THE CONCLUSION OF EACH WORKING DAY. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL FACILITIES AND MAKE NECESSARY REPAIRS PRIOR TO ANTICIPATED STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.
5. AS SOON AS PRACTICAL FOLLOWING EACH STORM, THE CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE EROSION CONTROL SEDIMENT BASINS AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE.
6. STOCKPILED MATERIAL SHALL BE COVERED WITH VISQUEEN OR A TARPAULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT MAY BE SEEDED OR PLANTED TO PROVIDE GROUND COVER.
7. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING, OR EXCAVATION, THE CONTRACTOR SHALL VERIFY THAT THE OWNER HAS SUBMITTED TO THE STATE WATER RESOURCES CONTROL BOARD A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE STATE CONSTRUCTION STORM WATER GENERAL PERMIT, IF REQUIRED BY THE STATE. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP.
8. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
9. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY AND/OR THE PROJECT QSD OR QSP.
10. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5–DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
11. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND BASINS.
12. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
13. THE CITY AND/OR THE PROJECT QSP AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH APPROVED PLANS.
14. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING OR OTHER MEASURES AS APPROPRIATE.
15. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY INSPECTOR. THE ADJACENT STREET SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THEIR CONSTRUCTION, METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE CITY'S RIGHT–OF–WAY IS PERMITTED.
16. ALL EROSION CONTROL MATERIALS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED.

SITE FENCE NOTES:

1. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
2. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6 FEET HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
3. CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS ONLY FOR VISUAL CONFORMANCE OF THIS CONSTRUCTION SITE TO THE CITY STANDARDS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES TO KEEP THE SITE SECURE AND SAFE.
4. CONTRACTOR SHALL PREPARE A CONSTRUCTION STAGING PLAN SHOWING TEMPORARY SITE FENCING AND SITE ACCESS POINTS, AND OBTAIN APPROVAL FROM THE OWNER PRIOR TO THE START OF CONSTRUCTION.

GENERAL UTILITY SYSTEM NOTES:

1. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES (ON EACH LIFT, EVERY 100 LINEAR FEET OF TRENCH).
2. CLEAN OUTS, CATCH BASINS AND AREA DRAINS ARE TO BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE BUILDING, FLATWORK, ROOF DRAINS, AND/OR CURB LAYOUT, NOT BY THE LENGTH OF PIPE SPECIFIED IN THE DRAWINGS (WHICH IS APPROXIMATE).
3. ALL CATCH BASINS, MANHOLES, AND ONSITE UTILITY BOXES SHALL BE MANUFACTURED BY A NATIONALLY RECOGNIZED COMPANY.
4. CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, TRANSFORMER, GAS METER, ETC.) AND MEET WITH OWNER TO REVIEW LOCATION PRIOR TO INSTALLATION. CITY MUST SPECIFICALLY AGREE WITH LOCATION PRIOR TO PROCEEDING WITH THE INSTALLATION.
5. CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATION OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK, THE UTILITIES SHOWN ON THE CIVIL DRAWINGS, AND THE SITE POWER, CONDUITS AND LIGHTING SHOWN ON THE ELECTRICAL PLANS. THE FIRE SPRINKLER SYSTEM SHALL BE INCLUDED AS DESIGNED BY THE UNDERGROUND FIRE SPRINKLER CONTRACTOR.
6. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.
7. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON RECORD INFORMATION. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
8. CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY. CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SEWER LATERAL WITH OWNER PRIOR TO CONSTRUCTION.
9. EXISTING UTILITY CROSSINGS OF NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. GAS, WATER AND SEWER SERVICE LATERALS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITY CROSSING (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.
10. VERTICAL SEPARATION REQUIREMENTS:

    A MINIMUM OF 6 INCHES VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY/STORM SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY/STORM SEWER PIPELINES.

    WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY/STORM SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES. WATER LINE PIPE FITTINGS/PIPE JOINTS SHALL BE INSTALLED NO CLOSER THAN 10 FEET MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS, WHERE FEASIBLE.

11. HORIZONTAL SEPARATION REQUIREMENTS:

    A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5 FEET, EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY/STORM SEWER PIPELINES SHALL BE 10 FEET MINIMUM, UNLESS OTHERWISE NOTED.

    A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.
13. ANY EXISTING UNDERGROUND UTILITY LINES TO BE ABANDONED, SHOULD BE REMOVED FROM WITHIN THE PROPOSED BUILDING ENVELOPE AND THEIR ENDS CAPPED OUTSIDE OF THE BUILDING ENVELOPE.

STORM DRAIN MAINTENANCE NOTES:

PLEASE NOTE THAT REGULAR MAINTENANCE ON GRADING AND DRAINAGE STRUCTURES IS REQUIRED TO ENSURE FUNCTIONALITY THROUGHOUT THE LIFE OF THE PROPERTY. MAINTENANCE SHOULD INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

1. THE CLEARING OF DEBRIS FROM THE CATCH BASINS/CURB INLETS AND STORM DRAIN LINES.
2. ROOF GUTTERS AND DOWNSPOUTS SHOULD BE CLEARED BEFORE THE BEGINNING OF EACH RAINY SEASON AND AS NEEDED THROUGHOUT THE WINTER MONTHS.
3. SURFACE GRADING MAY ALSO REQUIRE CONTINUED REFINEMENT, INCLUDING THE CLEARING AND RE–FINISHING OF VEGETATED SWALES AND SLOPES TO MINIMIZE PONDING, MAINTAIN POSITIVE DRAINAGE AWAY FROM IMPROVEMENTS AND PROTECT AGAINST EROSION.
4. GRADED SLOPES SHOULD BE MONITORED AND RE–VEGETATED AS NEEDED.

GEOTECHNICAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY CAL ENGINEERING & GEOLOGY, DATED MAY 22, 2018.
2. GROUNDWATER WAS NOT ENCOUNTERED IN THE BORINGS DURING THE SUBSURFACE INVESTIGATION, WHICH EXTENDED TO A MAXIMUM DEOTH OF 29–1/2 FEET BGS.
3. WELL READINGS NEARBY THE SITE INDICATE GROUNDWATER HAS BEEN AS HIGH AS ABOUT 70 FEET BELOW GROUND SURFACE.
4. SOIL TYPE SUMMARY:

   SUBSURFACE SOIL CONDITIONS ENCOUNTERED IN OUR BORINGS WERE GENERALLY CONSISTENT WITH REGIONAL GEOLOGIC MAPPING. SURFACE CONDITIONS FOR THE BORINGS EITHER CONSISTED OF ASPHALT PAVEMENT OR LANDSCAPING TOPSOIL. BENEATH THE ASPHALT PAVEMENT, MEDIUM DENSE LAYEY SAND AND SILTY SAND WAS ENCOUNTERED TO DEPTHS RANGING FROM 2 TO 5 FEET BGS. THESE MATERIALS WERE UNDERLAIN BY COARSER–GRAINED MATERIALS CONSISTING PREDOMINATELY OF DENSE TO VERY DENSE WELL GRADED SANDS AND WELL GRADED GRAVELS TO THE MAXIMUM DEPTH EXPLORED OF 29–½ FEET BGS. GRAVELS ENCOUNTERED WERE TYPICALLY SUBANGULAR TO SUBROUNDED AND RANGED IN SIZES FROM ¾–INCH TO 1½– INCH IN DIAMETER.

5. THE CONTRACTOR IS REQUIRED TO OBTAIN OBSERVATIONS AND TESTING OF EARTHWORK THAT MEETS THE MINIMUM REQUIREMENTS AND OBSERVATIONS AND APPROVALS OF FOUNDATION CONSTRUCTION AS WELL AS OTHER ASPECTS OF THE PROJECT DESIGN AS DESCRIBED IN THE GEOTECHNICAL REPORT.
   - 5.1. TESTING OF ON–SITE MATERIALS IS TO BE PERFORMED BY EXPERIENCED SOILS TECHNICIANS AND LABORATORY TECHNICIANS.
   - 5.2. THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF INSPECTIONS OF EXCAVATIONS THAT REQUIRE APPROVAL.
   - 5.3. THE EARTHWORK AND FOUNDATION CONSTRUCTION PHASE SERVICES CAN INCLUDE, AMONG OTHER THINGS, THE OBSERVATION AND TESTING DURING SITE CLEARING, STRIPPING, EXCAVATION, MASS GRADING, SUBGRADE PREPARATION, FILL PLACEMENT AND COMPACTION, UNDERGROUND UTILITY BACKFILL COMPACTION, FOUNDATION CONSTRUCTION AND PAVEMENT CONSTRUCTION ACTIVITIES.
   - 5.4. FOR GEOTECHNICAL INSPECTION CALL CAL ENGINEERING & GEOLOGY AT 510–343–3000.

LEGEND:

EXISTING	PROPOSED	
— — — —		BOUNDARY
		FLOWLINE
—SS—		SANITARY SEWER
—SD—	12" SD	SOLID STORM DRAIN
4" SBD		PERFORATED SUB DRAIN
—FM—		FORCE MAIN
—FW—		FIRE SERVICE
—W—		DOMESTIC WATER SERVICE
—IRR—		IRRIGATION SERVICE
—GAS—		NATURAL GAS
—T—		TELEPHONE
—TV—		TV/CABLE TV
—E—	—E—	ELECTRIC
—JT—	—JT—	JOINT TRENCH
— OH —		OVERHEAD WIRES
—X—		FENCE
○	○ CO	CLEAN OUT TO GRADE
●		FOUND MONUMENT
○⋈		DOUBLE DETECTOR CHECK VALVE
○–		POST INDICATOR VALVE
⋈		VALVE
☒		METER BOX
•–☼		STREET LIGHT
•		DRAIN
▤		CATCH BASIN
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
⊕		BENCHMARK
○		MANHOLE
–○–		SIGN
		SPLASH BLOCK
	2	DETAIL NUMBER
	C5.1	SHEET LOCATION

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

SHEET INDEX

SHEET NO.	DESCRIPTION
C0.1	NOTES AND LEGENDS
C1.1	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.1	HORIZONTAL CONTROL PLAN
C3.1	GRADING AND UTILITY PLAN
C4.1	EROSION CONTROL PLAN
C4.2	BEST MANAGEMENT PRACTICES
C5.1	DETAIL SHEET

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE CIVIL ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE STATE OF CALIFORNIA, BUSINESS PROFESSIONAL CODES, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

12/14/2023

DALE LEDA
PROJECT MANAGER
P.E. #78436 EXP 09/30/2025
BKF ENGINEERS

DATE

DALE J. LEDA
C 78436
CIVIL

Know what's below.
Call before you dig.

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

SEAL

DALE J. LEDA
C 78436
CIVIL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

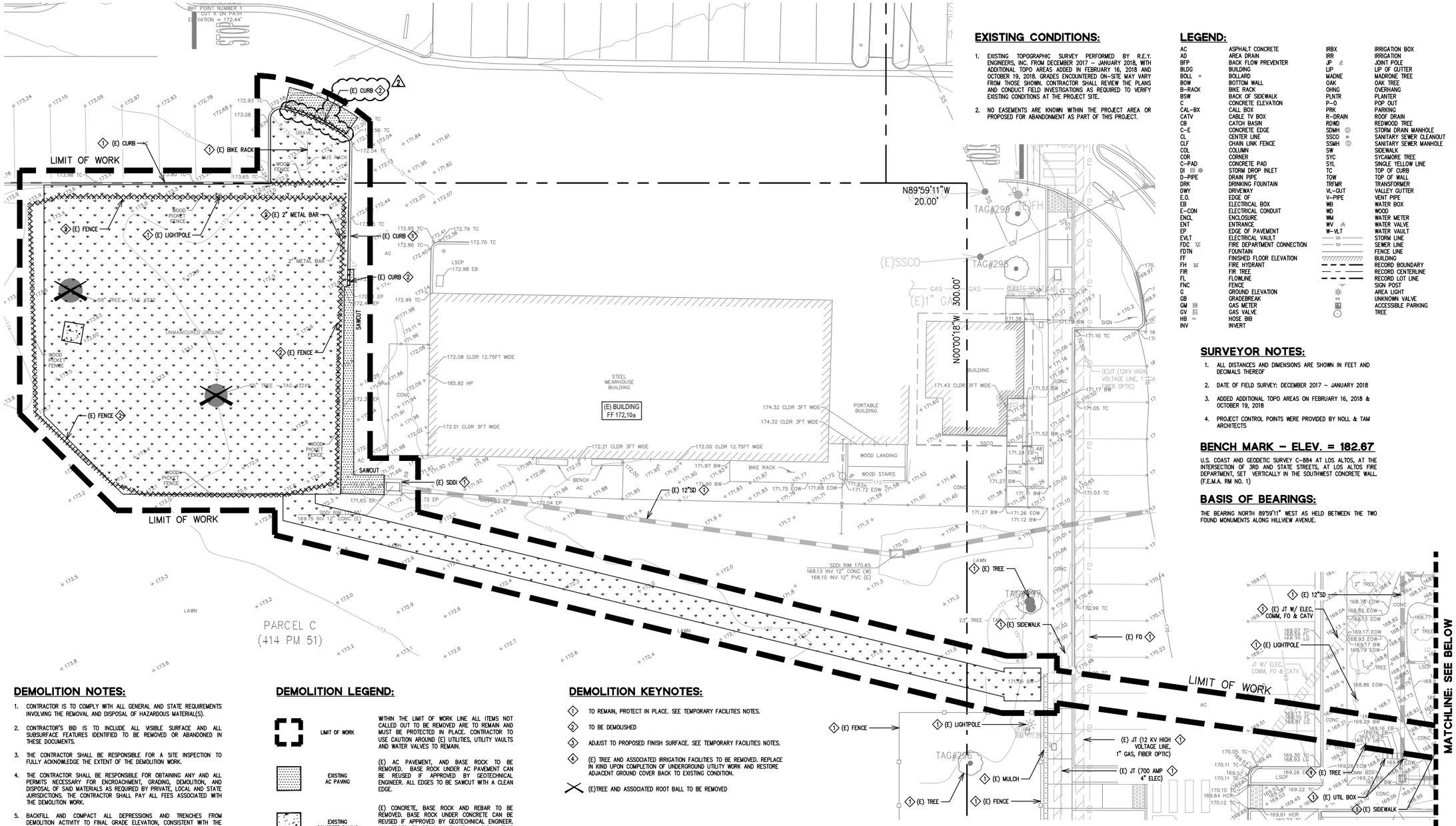
REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

SHEET TITLE
NOTES AND LEGENDS

SHEET NUMBER
C0.1

DRAWING NAME: K:\2017\170208_Hillview_Community_Center_Redev\ENG\ccsheets_eoc_30x42.dwg
PLOT DATE: 12–13–23 PLOTTED BY: hemo



EXISTING CONDITIONS:

1. EXISTING TOPOGRAPHIC SURVEY PERFORMED BY R.E.Y. ENGINEERS, INC. FROM DECEMBER 2017 – JANUARY 2018, WITH ADDITIONAL TOPO AREAS ADDED IN FEBRUARY 16, 2018 AND OCTOBER 19, 2018. GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
2. NO EASEMENTS ARE KNOWN WITHIN THE PROJECT AREA OR PROPOSED FOR ABANDONMENT AS PART OF THIS PROJECT.

LEGEND:

AC	ASPHALT CONCRETE	IRBX	IRRIGATION BOX
AD	AREA DRAIN	IRR	IRRIGATION
BFP	BACK FLOW PREVENTER	JP	JOINT POLE
BLDG	BUILDING	LIP	LIP OF GUTTER
BOLL	BOLLARD	MADRE	MADRONE TREE
BOW	BOTTOM WALL	OAK	OAK TREE
B-RACK	BIKE RACK	OHNG	OVERHANG
BSW	BACK OF SIDEWALK	PLNTR	PLANTER
C	CONCRETE ELEVATION	P-O	POP OUT
CAL-BX	CALL BOX	PRK	PARKING
CATV	CABLE TV BOX	R-DRAIN	ROOF DRAIN
CB	CATCH BASIN	REDWD	REDWOOD TREE
C-E	CONCRETE EDGE	SDMH	STORM DRAIN MANHOLE
CL	CENTER LINE	SSCO	SANITARY SEWER CLEANOUT
CLF	CHAIN LINK FENCE	SSMH	SANITARY SEWER MANHOLE
COL	COLUMN	SW	SIDEWALK
COR	CORNER	SYC	SYCAMORE TREE
C-PAD	CONCRETE PAD	SYL	SINGLE YELLOW LINE
DI	STORM DROP INLET	TC	TOP OF CURB
D-PIPE	DRAIN PIPE	TOW	TOP OF WALL
DRK	DRINKING FOUNTAIN	TRFMR	TRANSFORMER
DWY	DRIVEWAY	VL-GUT	VALLEY GUTTER
E.O.	EDGE OF	V-PIPE	VENT PIPE
EB	ELECTRICAL BOX	WB	WATER BOX
E-CON	ELECTRICAL CONDUIT	WD	WOOD
ENCL	ENCLOSURE	WM	WATER METER
ENT	ENTRANCE	WV	WATER VALVE
EP	EDGE OF PAVEMENT	W-VLT	WATER VAULT
EVLT	ELECTRICAL VAULT	SD	STORM LINE
FDC	FIRE DEPARTMENT CONNECTION	SS	SEWER LINE
FDTN	FOUNTAIN		FENCE LINE
FF	FINISHED FLOOR ELEVATION		BUILDING
FH	FIRE HYDRANT		RECORD BOUNDARY
FIR	FIR TREE		RECORD CENTERLINE
FL	FLOWLINE		RECORD LOT LINE
FNC	FENCE		SIGN POST
G	GROUND ELEVATION		AREA LIGHT
GB	GRADEBREAK		UNKNOWN VALVE
GM	GAS METER		ACCESSIBLE PARKING
GV	GAS VALVE		TREE
HB	HOSE BIB		
INV	INVERT		

SURVEYOR NOTES:

1. ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF
2. DATE OF FIELD SURVEY: DECEMBER 2017 – JANUARY 2018
3. ADDED ADDITIONAL TOPO AREAS ON FEBRUARY 16, 2018 & OCTOBER 19, 2018
4. PROJECT CONTROL POINTS WERE PROVIDED BY NOLL & TAM ARCHITECTS

BENCH MARK – ELEV. = 182.67

U.S. COAST AND GEODETIC SURVEY C-884 AT LOS ALTOS, AT THE INTERSECTION OF 3RD AND STATE STREETS, AT LOS ALTOS FIRE DEPARTMENT, SET VERTICALLY IN THE SOUTHWEST CONCRETE WALL. (F.E.M.A. RM NO. 1)

BASIS OF BEARINGS:

THE BEARING NORTH 89°59'11" WEST AS HELD BETWEEN THE TWO FOUND MONUMENTS ALONG HILLVIEW AVENUE.

DEMOLITION NOTES:

1. CONTRACTOR IS TO COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).
2. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
5. BACKFILL AND COMPACT ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION ACTIVITY TO FINAL GRADE ELEVATION, CONSISTENT WITH THE GEOTECHNICAL REPORT.
6. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS CONSISTENT WITH THE SOIL COMPACTION REQUIREMENTS OF THE GEOTECHNICAL REPORT.
7. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL PLAN & DETAILS.
8. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
9. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OR ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
10. COORDINATE WITH ELECTRICAL, MECHANICAL, LANDSCAPING AND ARCHITECTURAL DRAWINGS FOR UTILITY SHUT-DOWN/DISCONNECT LOCATIONS. CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE OWNER. DO NOT INTERRUPT SERVICES TO ADJACENT OFF-SITE OWNERS. ALSO SEE ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
11. NOTIFY OWNER 1 WEEK IN ADVANCE OF UTILITY SHUT-DOWN. OWNER REP: THERESA YEE, PMP, CPC, PROJECT MANAGER (650)947-2625.
12. THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, THE CONTRACTOR SHALL SEEK GUIDANCE FROM THE ARCHITECT. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.

DEMOLITION LEGEND:

LIMIT OF WORK	WITHIN THE LIMIT OF WORK LINE ALL ITEMS NOT CALLED OUT TO BE REMOVED ARE TO REMAIN AND MUST BE PROTECTED IN PLACE. CONTRACTOR TO USE CAUTION AROUND (E) UTILITIES, UTILITY VAULTS AND WATER VALVES TO REMAIN.
EXISTING AC PAVING	(E) AC PAVEMENT, AND BASE ROCK TO BE REMOVED. BASE ROCK UNDER AC PAVEMENT CAN BE REUSED IF APPROVED BY GEOTECHNICAL ENGINEER. ALL EDGES TO BE SAWCUT WITH A CLEAN EDGE.
EXISTING CONCRETE PAVING	(E) CONCRETE, BASE ROCK AND REBAR TO BE REMOVED. BASE ROCK UNDER CONCRETE CAN BE REUSED IF APPROVED BY GEOTECHNICAL ENGINEER. ALL EDGES TO BE SAWCUT WITH A CLEAN EDGE AND EXTEND TO NEAREST (E) SCORE JOINT WHERE FEASIBLE.
EXISTING LANDSCAPED AREAS	REMOVE ALL TREES, SHRUBS, AND GRASS INCLUDING ALL ROOT MASS UNLESS OTHERWISE SPECIFIED. COORDINATE WITH OWNER AND ARCHITECT PRIOR TO REMOVING ANY TREES. IRRIGATION LINES TO BE REPAIRED TO THE EXTENTS OF NEW PLANTING AND IRRIGATION CONSTRUCTION. SAP.
	EXISTING CURB/WALL TO BE DEMOLISHED AND REMOVED

DEMOLITION KEYNOTES:

1. TO REMAIN, PROTECT IN PLACE. SEE TEMPORARY FACILITIES NOTES.
2. TO BE DEMOLISHED
3. ADJUST TO PROPOSED FINISH SURFACE. SEE TEMPORARY FACILITIES NOTES.
4. (E) TREE AND ASSOCIATED IRRIGATION FACILITIES TO BE REMOVED. REPLACE IN KIND UPON COMPLETION OF UNDERGROUND UTILITY WORK AND RESTORE ADJACENT GROUND COVER BACK TO EXISTING CONDITION.

(E)TREE AND ASSOCIATED ROOT BALL TO BE REMOVED

TEMPORARY FACILITIES NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING OPERATION AND FUNCTION OF EXISTING FACILITIES IMPACTED BY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES SERVING ADJACENT STRUCTURES AND AMENITIES WHICH RUN THROUGH THE CONSTRUCTION SITE, EXISTING ACCESS TO THOSE FACILITIES, AND RELATED STRUCTURES. APPLICABLE UTILITIES INCLUDE STORM DRAINAGE, SANITARY SEWER, DOMESTIC/FIRE WATER SUPPLY, IRRIGATION, NATURAL GAS, ELECTRICAL AND COMMUNICATION LINES.
2. CONTRACTOR SHALL PLAN PHASING AND METHOD OF DISCONNECTION/RECONNECTION OF SITE UTILITIES TO MINIMIZE DOWNTIME WHERE SHUTDOWN IS NECESSARY, AND PROVIDE THE CITY WITH SCHEDULE FOR ANY PLANNED SHUTDOWN/DISCONNECTION AND RECONNECTION OF SERVICES.
3. CONTRACTOR SHALL PROVIDE ALTERNATE MEANS AND METHODS FOR TEMPORARILY MAINTAINING FUNCTIONALITY / OPERATION OF EXISTING FACILITIES TO REMAIN (SUCH AS TEMPORARY USE OF PORTABLE PUMPS, POWER EQUIPMENT, TEMPORARY ALTERNATE SUPPLY/CONVEYANCE PIPES/CONDUITS, APPROPRIATE SIGNAGE) FOR THE CITY TO REVIEW AND APPROVE PRIOR TO COMMENCING CONSTRUCTION.
4. CONTRACTOR SHALL TO RESTORE PERMANENT SERVICE TO EXISTING FACILITIES IMPACTED BY CONSTRUCTION TO THE SATISFACTION OF THE CITY.

0 10 20
GRAPHIC SCALE

Know what's below. Call before you dig.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

DRAWING NAME: K:\2017\17020B_Hillview_Community_Center_Redev\ENG\vccsheets_aoc_30x42.dwg
PLOT DATE: 12-13-23
PLOTTED BY: themo

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

SEAL

REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA C 78436 CIVIL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

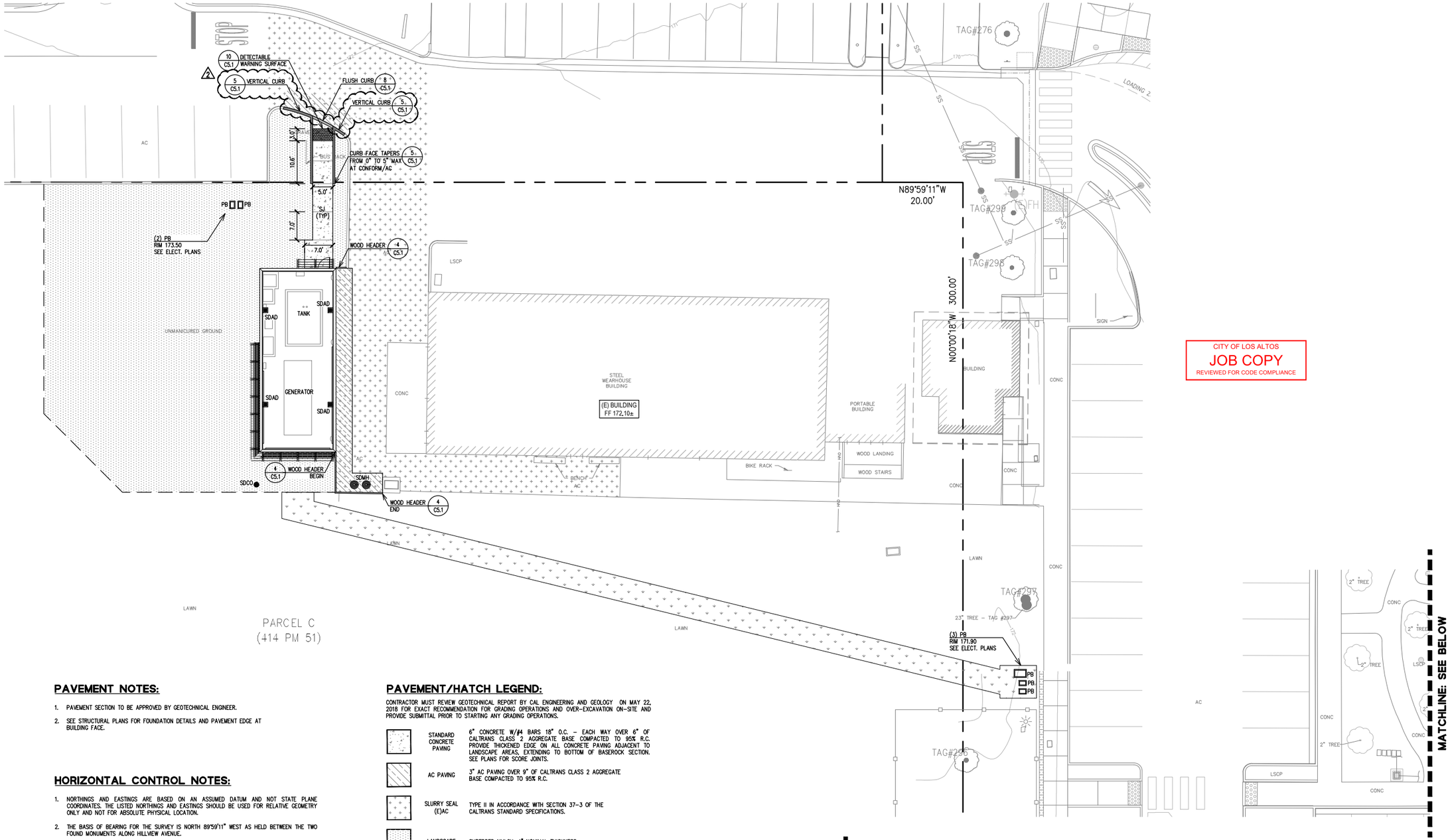
	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

SHEET TITLE

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NUMBER

C1.1



PARCEL C
(414 PM 51)

PAVEMENT NOTES:

1. PAVEMENT SECTION TO BE APPROVED BY GEOTECHNICAL ENGINEER.
2. SEE STRUCTURAL PLANS FOR FOUNDATION DETAILS AND PAVEMENT EDGE AT BUILDING FACE.

HORIZONTAL CONTROL NOTES:

1. NORTHINGS AND EASTINGS ARE BASED ON AN ASSUMED DATUM AND NOT STATE PLANE COORDINATES. THE LISTED NORTHINGS AND EASTINGS SHOULD BE USED FOR RELATIVE GEOMETRY ONLY AND NOT FOR ABSOLUTE PHYSICAL LOCATION.
2. THE BASIS OF BEARING FOR THE SURVEY IS NORTH 89°59'11" WEST AS HELD BETWEEN THE TWO FOUND MONUMENTS ALONG HILLVIEW AVENUE.

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR ALL WORK WHICH IMPACTS EXISTING PUBLIC STREETS OR AFFECTS ONSITE VEHICULAR CIRCULATION. TRAFFIC CONTROL PLAN TO BE SUBMITTED TO AND APPROVED BY THE CITY PRIOR TO COMMENCEMENT OF WORK.

PAVEMENT/HATCH LEGEND:

CONTRACTOR MUST REVIEW GEOTECHNICAL REPORT BY CAL ENGINEERING AND GEOLOGY ON MAY 22, 2018 FOR EXACT RECOMMENDATION FOR GRADING OPERATIONS AND OVER-EXCAVATION ON-SITE AND PROVIDE SUBMITTAL PRIOR TO STARTING ANY GRADING OPERATIONS.

	STANDARD CONCRETE PAVING	6" CONCRETE W/#4 BARS 18" O.C. – EACH WAY OVER 6" OF CALTRANS CLASS 2 AGGREGATE BASE COMPACTED TO 95% R.C. PROVIDE THICKENED EDGE ON ALL CONCRETE PAVING ADJACENT TO LANDSCAPE AREAS, EXTENDING TO BOTTOM OF BASEROCK SECTION. SEE PLANS FOR SCORE JOINTS.
	AC PAVING	3" AC PAVING OVER 9" OF CALTRANS CLASS 2 AGGREGATE BASE COMPACTED TO 95% R.C.
	SLURRY SEAL (E)AC	TYPE II IN ACCORDANCE WITH SECTION 37-3 OF THE CALTRANS STANDARD SPECIFICATIONS.
	LANDSCAPE	SHREDDED MULCH. 4" NOMINAL THICKNESS.
	LANDSCAPE	REPLACE EXISTING PLANTING, TREES, IRRIGATION, AND MULCH IN KIND

SIGNING AND STRIPING NOTES:

1. REPLACE (E) PAVEMENT STRIPING & MARKING IN KIND WITH SAME MATERIAL (THERMOPLASTIC OR PAINT) OR APPROVED EQUAL DUE TO CONSTRUCTION ACTIVITY. PAVEMENT STRIPING OR MARKING SHALL MATCH EXISTING DIMENSIONS.

0 10 20
GRAPHIC SCALE

811 Know what's below. Call before you dig.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BkF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

SEAL

REGISTERED PROFESSIONAL ENGINEER
C 78436
CIVIL
STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

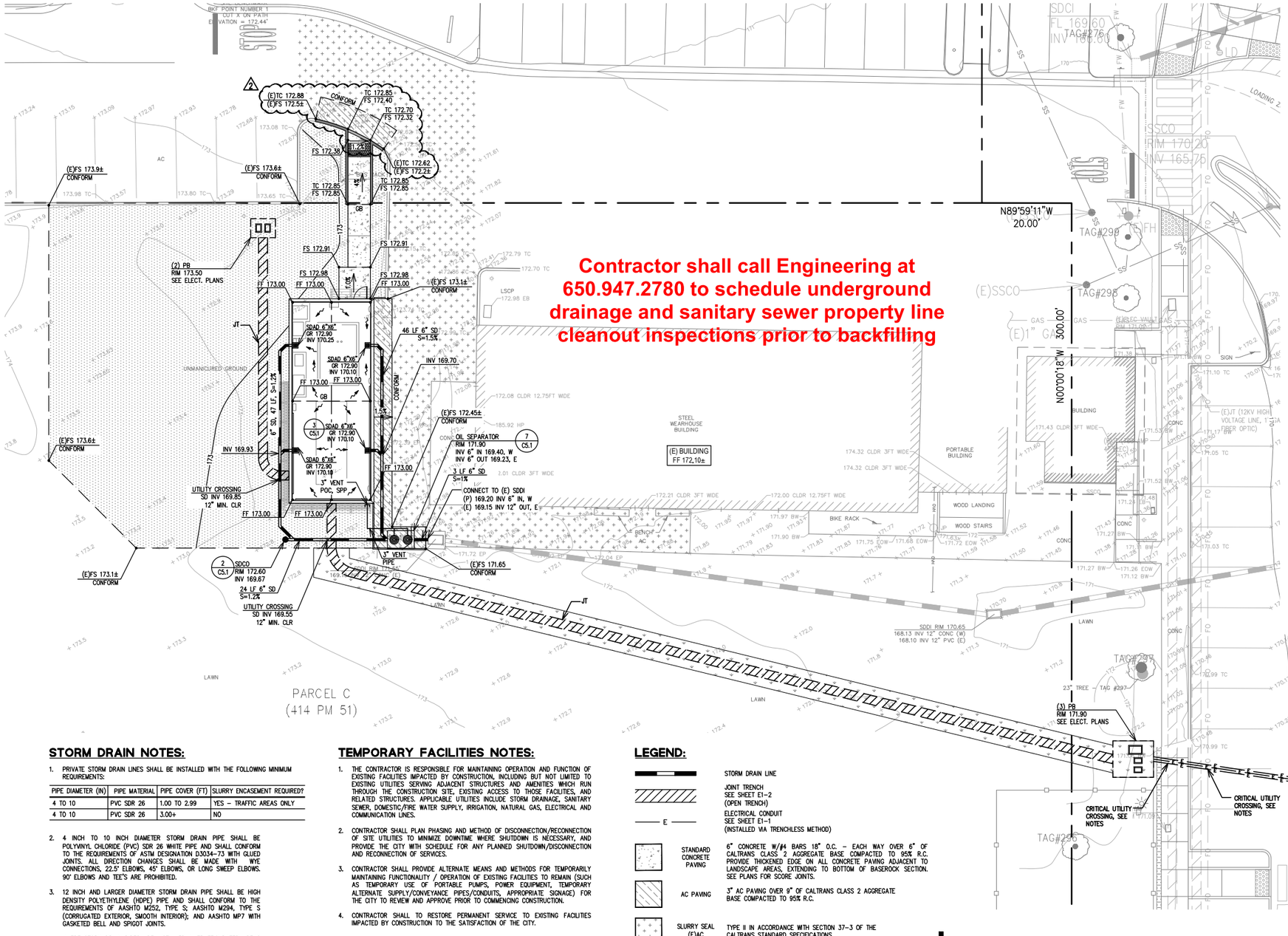
REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

SHEET TITLE
HORIZONTAL CONTROL PLAN

SHEET NUMBER
C2.1

DRAWING NAME: K:\2017\17020B_Hillview_Community_Center_Redev\ENG\ccsheets_aoc_30x42.dwg
PLOT DATE: 12-13-23
PLOTTED BY: hemo



GRADING NOTES:

1. ALL PAVED AREAS ARE TO SLOPE A MINIMUM OF 1% AND MAXIMUM OF 8% ACCESSIBLE STALLS AND LOADING ZONES ARE TO SLOPE AT A MAXIMUM OF 2% IN ALL DIRECTIONS. ACCESSIBLE PATHWAYS ARE TO SLOPE AT A MAXIMUM OF 5% IN THE DIRECTION OF TRAVEL, AND THE SLOPE CROSSWAYS TO THE DIRECTION OF TRAVEL SHALL BE AT A MAXIMUM OF 2%. ANY AREAS ON THE SITE NOT CONFORMING TO THESE BASIC RULES DUE TO EXISTING CONDITIONS OR DISCREPANCIES IN THE DOCUMENTS ARE TO BE REPORTED TO THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH PLACEMENT OF ROCK BASE, FORMWORK FOR CURBS AND/OR FLATWORK.
2. CONTRACTOR SHALL DETERMINE EARTHWORK QUANTITIES BASED ON THE TOPOGRAPHIC SURVEY, THE GEOTECHNICAL INVESTIGATION AND THE PROPOSED SURFACE THICKNESS AND BASE THE BID ACCORDINGLY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM IF A SEPARATE DEMOLITION CONTRACT HAS BEEN ISSUED TO TAKE THE SITE FROM THE WAY IT IS AT THE TIME OF THE BID TO THE CONDITIONS DESCRIBED IN THESE DOCUMENTS. ANY DIFFERENCES BETWEEN THE STATE IN WHICH THE SITE IS DELIVERED TO THE CONTRACTOR AND THESE DOCUMENTS SHOULD BE NOTED TO THE ENGINEER/ARCHITECT.
3. ALL FILL SHALL BE COMPACTED PER THE GEOTECHNICAL REPORT AND THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE DISTRICT'S TESTING AGENCY TO TAKE THE APPROPRIATE TESTS TO VERIFY COMPACTION VALUES.
4. IMPORT SOILS SHOULD MEET THE REQUIREMENTS OF THE SOILS REPORT AND SPECIFICATIONS.
5. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER/ARCHITECT.
6. SITE STRIPPINGS THAT CONTAIN ONLY ORGANIC MATERIAL (NO DEBRIS TRASH, BROKEN CONC. OR ROCKS GREATER THAN 1" IN DIAMETER) MAY BE USED IN LANDSCAPE AREAS. EXCESS STRIPPINGS SHALL BE REMOVED FROM SITE.
7. TOP OF CONCRETE CURBS ARE 0.50' ABOVE TOP OF PAVING ELEVATIONS, UNLESS NOTED OTHERWISE.
8. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05', HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE #1.
9. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CITY.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
11. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT IN EXISTING PUBLIC STREET AREAS. CONTRACTOR SHALL BACKFILL TRENCHES, OR PLACE STEEL PLATING WITH ADEQUATE CUTBACK AND ADEQUATE SHORING TO PREVENT SHIFTING OF STEEL PLATE AND/OR HOT-MIX ASPHALT REQUIRED TO PROTECT OPEN TRENCHES AT THE END OF THE WORKING DAY.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

STORM DRAIN NOTES:

1. PRIVATE STORM DRAIN LINES SHALL BE INSTALLED WITH THE FOLLOWING MINIMUM REQUIREMENTS:

PIPE DIAMETER (IN)	PIPE MATERIAL	PIPE COVER (FT)	SLURRY ENCASEMENT REQUIRED?
4 TO 10	PVC SDR 26	1.00 TO 2.99	YES – TRAFFIC AREAS ONLY
4 TO 10	PVC SDR 26	3.00+	NO

2. 4 INCH TO 10 INCH DIAMETER STORM DRAIN PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 WHITE PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D3034-73 WITH GLUED JOINTS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS, OR LONG SWEEP ELBOWS. 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. 12 INCH AND LARGER DIAMETER STORM DRAIN PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M252, TYPE S; AASHTO M294, TYPE S (CORRUGATED EXTERIOR, SMOOTH INTERIOR); AND AASHTO MP7 WITH GASKETED BELL AND SPIGOT JOINTS.
4. WHERE STORM DRAIN PIPES ARE INSTALLED IN TRAFFIC RATED AREAS WITH LESS THAN 3.00 FEET OF COVER, PIPE TRENCH AND COVER SHALL BE ENCASED IN A MINIMUM 12 INCH WIDE SLURRY CEMENT BACKFILL, EXTENDING THE FIRST 12 INCHES OF COVER ABOVE THE PIPE.
5.
6. STORM DRAIN LINES WITH LESS THAN 12" OF COVER IN TRAFFIC AREAS SHALL BE CAPPED WITH STEEL REINFORCED CONCRETE. SEE CONCRETE CAP DETAIL ON C6.2.
7. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-STORM DRAIN LINE BELOW", CALPICO TYPE 2 OR EQUAL.
8. CONTRACTOR SHALL ORDER AND PURCHASE ROUND ALUMINUM MEDALLION (WITH CREEK SPECIFIC LABEL), AND INSTALL AT THE TOP OF CURBS ADJACENT TO EACH CATCH BASIN. CONTRACTOR SHALL OBTAIN THE SHOP DRAWING FOR THE ALUMINUM MEDALLIONS WITH THE SPECIFIC WORDING FROM THE CITY.
9. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
10. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
11. FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
12. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES, AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.
13. ALL DOWNSPOUTS TO BE HARD PIPED AND ROUTED TO BIORETENTION PLANTERS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWNSPOUTS.

TEMPORARY FACILITIES NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING OPERATION AND FUNCTION OF EXISTING FACILITIES IMPACTED BY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES SERVING ADJACENT STRUCTURES AND AMENITIES WHICH RUN THROUGH THE CONSTRUCTION SITE, EXISTING ACCESS TO THOSE FACILITIES, AND RELATED STRUCTURES. APPLICABLE UTILITIES INCLUDE STORM DRAINAGE, SANITARY SEWER, DOMESTIC/FIRE WATER SUPPLY, IRRIGATION, NATURAL GAS, ELECTRICAL AND COMMUNICATION LINES.
2. CONTRACTOR SHALL PLAN PHASING AND METHOD OF DISCONNECTION/RECONNECTION OF SITE UTILITIES TO MINIMIZE DOWNTIME WHERE SHUTDOWN IS NECESSARY, AND PROVIDE THE CITY WITH SCHEDULE FOR ANY PLANNED SHUTDOWN/DISCONNECTION AND RECONNECTION OF SERVICES.
3. CONTRACTOR SHALL PROVIDE ALTERNATE MEANS AND METHODS FOR TEMPORARILY MAINTAINING FUNCTIONALITY / OPERATION OF EXISTING FACILITIES TO REMAIN (SUCH AS TEMPORARY USE OF PORTABLE PUMPS, POWER EQUIPMENT, TEMPORARY ALTERNATE SUPPLY/CONVEYANCE PIPES/CONDUITS, APPROPRIATE SIGNAGE) FOR THE CITY TO REVIEW AND APPROVE PRIOR TO COMMENCING CONSTRUCTION.
4. CONTRACTOR SHALL TO RESTORE PERMANENT SERVICE TO EXISTING FACILITIES IMPACTED BY CONSTRUCTION TO THE SATISFACTION OF THE CITY.

CRITICAL UTILITY CROSSING NOTES:

1. PRIOR TO CONSTRUCTION CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES.
2. CONTRACTOR TO USE CAUTION AROUND EXISTING UTILITIES AND MAINTAIN MINIMUM SEPARATION PER PG&E AND CITY OF LOS ALTOS REQUIREMENTS.

JOINT TRENCH NOTES

1. JOINT TRENCH AND BOXES ARE SHOWN SCHEMATICALLY AND FOR COORDINATION PURPOSES ONLY. SEE PLANS BY M.E.P. CONSULTANT FOR DESIGN AND DETAIL INFORMATION.

LEGEND:

	STORM DRAIN LINE
	JOINT TRENCH SEE SHEET E1-2 (OPEN TRENCH)
E	ELECTRICAL CONDUIT SEE SHEET E1-1 (INSTALLED VIA TRENCHLESS METHOD)
STANDARD CONCRETE PAVING	6" CONCRETE W/#4 BARS 18" O.C. – EACH WAY OVER 6" OF CALTRANS CLASS 2 AGGREGATE BASE COMPACTED TO 95% R.C. PROVIDE THICKENED EDGE ON ALL CONCRETE PAVING ADJACENT TO LANDSCAPE AREAS, EXTENDING TO BOTTOM OF BASEROCK SECTION. SEE PLANS FOR SCORE JOINTS.
AC PAVING	3" AC PAVING OVER 9" OF CALTRANS CLASS 2 AGGREGATE BASE COMPACTED TO 95% R.C.
SLURRY SEAL (E)AC	TYPE II IN ACCORDANCE WITH SECTION 37-3 OF THE CALTRANS STANDARD SPECIFICATIONS.
LANDSCAPE	SHREDDED MULCH. 4" NOMINAL THICKNESS.
LANDSCAPE	REPLACE EXISTING PLANTING, TREES, IRRIGATION, AND MULCH IN KIND

EARTHWORK QUANTITIES:	
CUT	100
FILL	0
BALANCE	100 (EXPORT)

EARTHWORK QUANTITIES SHOWN ARE FOR PLANNING PURPOSES ONLY. THEY INCLUDE CONSIDERATION OF EXISTING AND PROPOSED PAVEMENT SECTIONS AND OVER-EXCAVATION FOR PROPOSED STRUCTURES/FOUNDATIONS. ESTIMATE DOES NOT INCLUDE SWELL/SHRINKAGE FACTORS OR SPOILS FOR UNDERGROUND UTILITIES.

CONTRACTOR SHALL PERFORM THEIR OWN EARTHWORK QUANTITY CALCULATION, AND USE THEIR CALCULATION FOR BIDDING AND COST ESTIMATING PURPOSES. NOT ALL FILL MAY BE SUITABLE FOR RE-USE.

0 10 20
GRAPHIC SCALE

811 Know what's below. Call before you dig.

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BkF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

APPROVALS

SEAL
REGISTERED PROFESSIONAL ENGINEER C 78436 CIVIL STATE OF CALIFORNIA

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

SHEET TITLE
GRADING AND UTILITY PLAN

SHEET NUMBER
C3.1

DRAWING NAME: K:\2017\17020B_Hillview_Community_Center_Redev\ENG\ccsheets_eoc_30x42.dwg
PLOT DATE: 12-13-23
PLOTTED BY: hemo

EROSION CONTROL NOTES:

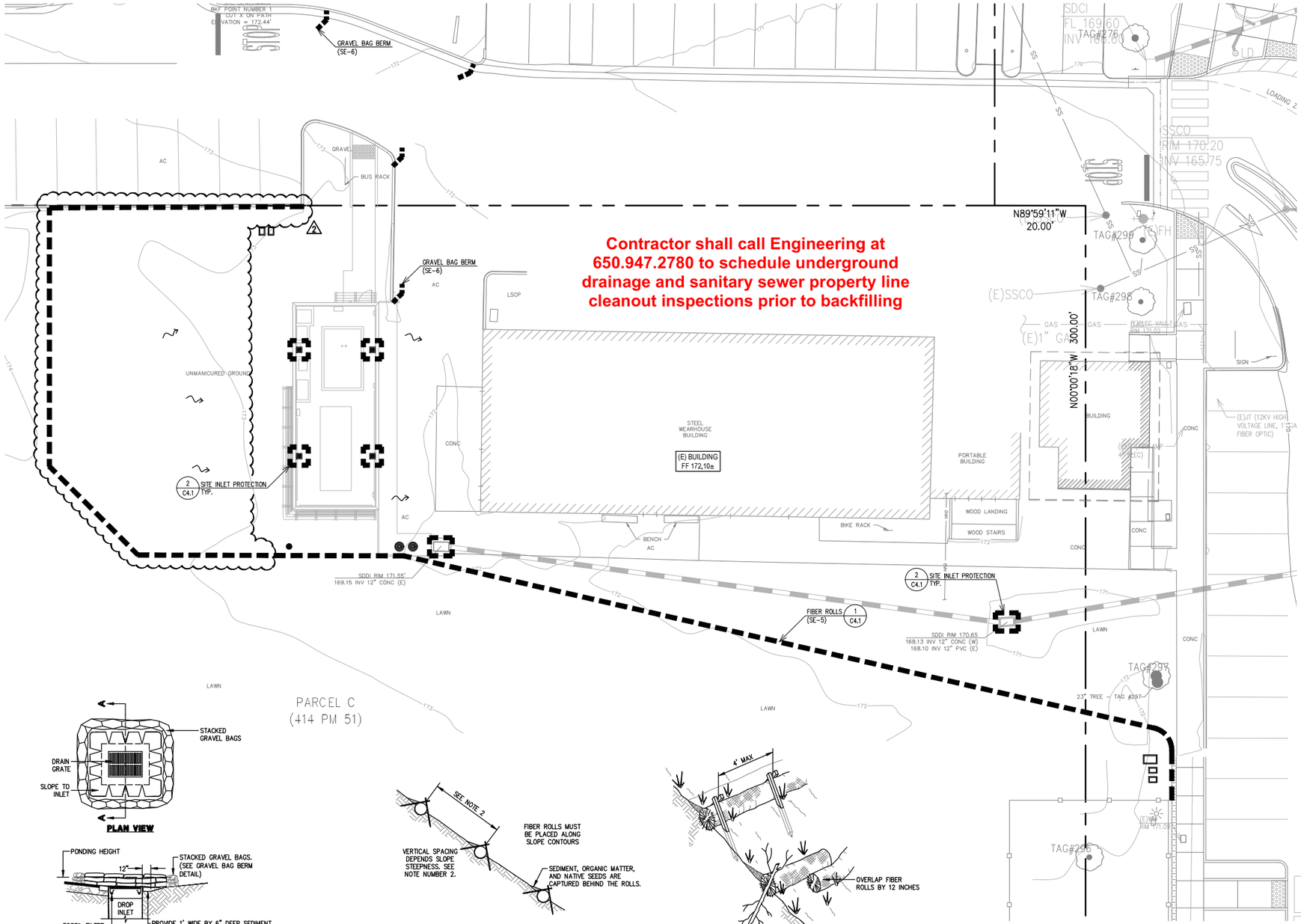
1. IN ADDITION TO WORK SHOWN, EROSION CONTROL ONSITE SHALL BE MODIFIED AND EXPANDED UPON AS NEEDED TO COMPLY WITH THE CONSTRUCTION GENERAL PERMIT IN ACCORDANCE WITH THE PROJECT SWPPP, AND AS DIRECTED BY THE PROJECT QUALIFIED SWPPP PRACTITIONER (QSP).
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A TEMPORARY FENCING PLAN AND OBTAIN APPROVAL FROM THE OWNER.

EROSION CONTROL LEGEND:

CASQA BMP IDENTIFICATION NUMBERS
- NS NON-STORMWATER MANAGEMENT CONTROL BMPS
- SE SEDIMENT CONTROL BMPS
- TC TREATMENT CONTROL BMPS

Contractor shall call Engineering at 650.947.2780 to schedule underground drainage and sanitary sewer property line cleanout inspections prior to backfilling

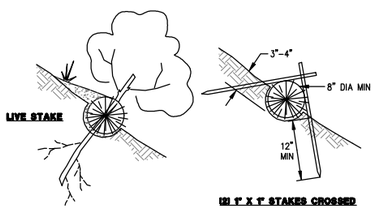
CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



NOTES:

1. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
2. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWNSLOPE OF THE STRUCTURE MAY BE NECESSARY.
4. FOSSIL FILTERS SHALL BE INCORPORATED IN ALL CATCH BASINS AND FIELD INLETS 24" AND LARGER AND SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS. FOSSIL FILTERS TO BE SILT SACK OR APPROVED EQUIVALENT.

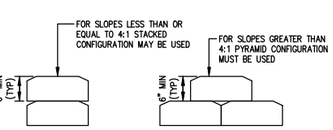
2 — SITE INLET PROTECTION
NTS



NOTES:

1. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
1. VERTICAL SPACING FOR SLOPE INSTALLATIONS:
   SLOPE OF 2:1 OR GREATER = 10 FEET APART
   SLOPE BETWEEN 4:1 AND 2:1 = 15 FEET APART
   SLOPE OF 4:1 OR FLATTER = 20 FEET APART
2. INSPECT AND REPAIR FIBER ROLLS AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

1 — FIBER ROLL
NTS



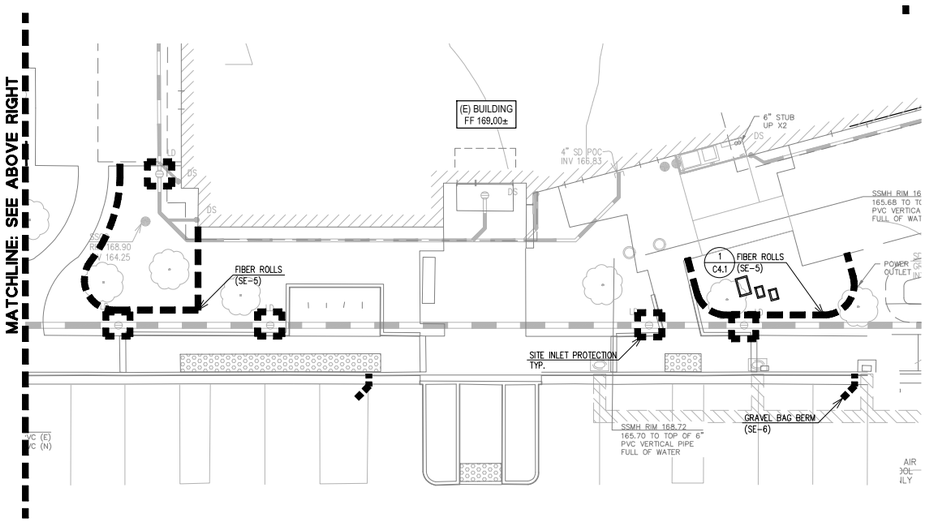
NOTES:

1. INSTALL AT LOCATIONS AS SHOWN ON EROSION CONTROL PLAN, AND IN ADDITION, PROTECT ALL EXISTING AND PROPOSED STORM DRAIN STRUCTURES WITH GRAVEL BAGS.

3 — GRAVEL BAG BERM
NTS

SEE SHEETS C0.1 FOR NOTES AND LEGENDS

811 Know what's below. Call before you dig.



DRAWING NAME: K:\2017\17020B_HillviewCommunity_Center_Redev\ENG\ccsheets_aoc_30x42.dwg
PLOT DATE: 12-13-23
PLOTTED BY: hemo

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

SEAL

REGISTERED PROFESSIONAL ENGINEER — C 78436 — CIVIL — STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

SHEET TITLE

EROSION CONTROL PLAN

SHEET NUMBER

C4.1

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

APPROVALS

Heavy Equipment Operation

Best Management Practices for the Construction Industry

Best Management Practices for the

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

Doing the Job Right

Site Planning and Preventive Vehicle Maintenance

- ☐ Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks.
- ☐ Perform major maintenance, repair jobs, and vehicle and equipment washing off site where cleanup is easier.
- ☐ If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and properly dispose as hazardous waste (recycle whenever possible).
- ☐ Do not use diesel oil to lubricate equipment parts, or clean equipment. Use only water for any onsite cleaning.
- ☐ Cover exposed fifth wheel hitches and other oily or greasy equipment during rain events.

Storm water Pollution from Heavy Equipment on Construction Sites

Poorly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or other fluids on the construction site are common sources of storm drain pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

Spill Cleanup

- ☐ Clean up spills immediately when they happen.
- ☐ Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible and properly dispose of absorbent materials.
- ☐ Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- ☐ Use as little water as possible for dust control. Ensure water used doesn't leave silt or discharge to storm drains.
- ☐ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ☐ Report significant spills to the appropriate local spill response agencies immediately.
- ☐ If the spill poses a significant hazard to human health and safety, property or the environment, you must also report it to the State Office of Emergency Services.

Roadwork and Paving

Best Management Practices for the Construction Industry

Best Management Practices for the

- Road crews
- Driveway/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of grading equipment, paving machines, dump trucks, concrete mixers
- Construction inspectors
- General contractors
- Home builders
- Developers

Doing The Job Right

General Business Practices

- ☐ Develop and implement erosion/sediment control plans for roadway embankments.
- ☐ Schedule excavation and grading work during dry weather.
- ☐ Check for and repair leaking equipment.
- ☐ Perform major equipment repairs at designated areas in your maintenance yard, where cleanup is easier. Avoid performing equipment repairs at construction sites.
- ☐ When refueling or when vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- ☐ Do not use diesel oil to lubricate equipment parts or clean equipment.
- ☐ Recycle used oil, concrete, broken asphalt, etc whenever possible, or dispose of properly.

During Construction

- ☐ Avoid paving and seal coating in wet weather, or when rain is forecast, to prevent fresh materials from contacting stormwater runoff.
- ☐ Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- ☐ Protect drainage ways by using earth dikes, sand bags, or other controls to divert or trap and filter runoff.

Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for asphalt, saw-cut slurry, or excavated material to illegally enter storm drains. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains, creeks, and the Bay.

- ☐ Never wash excess material from exposed aggregate concrete or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- ☐ Cover stockpiles (asphalt, sand, etc.) and other construction materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- ☐ Park paving machines over drip pans or absorbent material (cloth, rags, etc.) to catch drips when not in use.
- ☐ Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags), or dig up, remove, and properly dispose of contaminated soil.
- ☐ Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- ☐ Avoid over-application by water trucks for dust control.

Asphalt/Concrete Removal

- ☐ Avoid creating excess dust when breaking asphalt or concrete.
- ☐ After breaking up old pavement, be sure to remove all chunks and pieces. Make sure broken pavement does not come in contact with rainfall or runoff.
- ☐ When making saw cuts, use as little water as possible. Shovel or vacuum saw-cut slurry and remove from the site. Cover or protect storm drain inlets during saw-cutting. Sweep up, and properly dispose of, all residues.
- ☐ Sweep, never hose down streets to clean up tracked dirt. Use a street sweeper or vacuum truck. Do not dump vacuumed liquor in storm drains.

Fresh Concrete and Mortar Application

Best Management Practices for the Construction Industry

Best Management Practices for the

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers
- Concrete delivery/pumping workers

Doing The Job Right

General Business Practices

- ☐ Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- ☐ Wash out chutes onto dirt areas at site that do not flow to streets or drains.
- ☐ Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- ☐ Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- ☐ Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.

Storm Drain Pollution from Fresh Concrete and Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

During Construction

- ☐ Don't mix up more fresh concrete or cement than you will use in a two-hour period.
- ☐ Set up and operate small mixers on tarps or heavy plastic drop cloths.
- ☐ When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- ☐ Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
- ☐ Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area; (2) drain onto a bermed surface from which it can be pumped and disposed of properly; or (3) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- ☐ When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete at a landfill.
- ☐ Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- ☐ Never dispose of washout into the street, storm drains, drainage ditches, or streams.

Preventing Pollution: It's Up to Us

In the Santa Clara Valley, storm drains transport water directly to local creeks and San Francisco Bay without treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or bay lands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley municipalities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm water pollution. TO comply with this program, contractors most comply with the practices described this drawing sheet.

Spill Response Agencies

DIAL 9-1-1

State Office of Emergency Services Warning Center (24 hours): 800-852-7550

Santa Clara County Environmental Health Services: (408) 299-6930

Local Pollution Control Agencies

County of Santa Clara Pollution Prevention Program: (408) 441-1195

County of Santa Clara Integrated Waste Management Program: (408) 441-1198

County of Santa Clara District Attorney Environmental Crimes Hotline: (408) 299-TIPS

Santa Clara County Recycling Hotline: 1-800-533-8414

Santa Clara Valley Water District: (408) 265-2600

Santa Clara Valley Water District Pollution Hotline: 1-888-510-5151

Regional Water Quality Control Board San Francisco Bay Region: (510) 622-2300

Palo Alto Regional Water Quality Control Plant: (650) 329-2598
Serving East Palo Alto Sanitary District, Los Altos, Los Altos Hills, Mountain View, Palo Alto, Stanford

City of Los Altos

Building Department: (650) 947-2752

Engineering Department: (650) 947-2780

Landscaping, Gardening, and Pool Maintenance

Best Management Practices for the Construction Industry

Best Management Practices for the

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers
- Homeowners

Doing The Right Job

General Business Practices

- ☐ Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- ☐ Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- ☐ Schedule grading and excavation projects during dry weather.
- ☐ Use temporary check dams or ditches to divert runoff away from storm drains.
- ☐ Protect storm drains with sandbags or other sediment controls.
- ☐ Re-vegetation is an excellent form of erosion control for any site.

Landscaping/Garden Maintenance

- ☐ Use pesticides sparingly, according to instructions on the label. Rinse empty containers, and use rinse water as product. Dispose of rinsed, empty containers in the trash. Dispose of unused pesticides as hazardous waste.
- ☐ Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- ☐ In communities with curbside pick-up of yard waste, place clippings and pruning waste at the curb in approved bags or containers. Or, take to a landfill that composts yard waste. No curbside pickup of yard waste is available for commercial properties.
- ☐ Do not blow or rake leaves, etc. into the street, or place yard waste in gutters or on dirt shoulders, unless you are piling them for recycling (allowed by San Jose and unincorporated County only). Sweep up any leaves, litter or residue in gutters or on street.
- ☐ In San Jose, leave yard waste for curbside recycling pickup in piles in the street, 18 inches from the curb and completely out of the flow line to any storm drain.

Pool/Fountain/Spa Maintenance

Draining Pools Or Spas

When it's time to drain a pool, spa, or fountain, please be sure to call your local wastewater treatment plant before you start for further guidance on flow rate restrictions, backflow prevention, and handling special cleaning waste (such as acid wash). Discharge flows shall not exceed 100 gallon per minute.

- ☐ Never discharge pool or spa water to a street or storm drain; discharge to a sanitary sewer cleanout.
- ☐ If possible, when emptying a pool or spa, let chlorine dissipate for a few days and then recycle/reuse water by draining it gradually onto a landscaped area.
- ☐ Do not use copper-based algaecides. Control algae with chlorine or other alternatives, such as sodium bromide.

Filter Cleaning

- ☐ Never clean a filter in the street or near a storm drain. Rinse cartridge and diatomaceous earth filters onto a dirt area, and spade filter residue into soil. Dispose of spent diatomaceous earth in the garbage.
- ☐ If there is no suitable dirt area, call your local wastewater treatment plant for instructions on discharging filter backwash or rinse water to the sanitary sewer.

Storm Drain Pollution From Landscaping and Swimming Pool Maintenance

Many landscaping activities expose soils and increase the likelihood that earth and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Painting and Application of Solvents and Adhesives

Best Management Practices for the Construction Industry

Best Management Practices for the

- Homeowners
- Painters
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

Doing The Job Right

Handling Paint Products

- ☐ **Keep all liquid paint products and wastes away from the gutter, street, and storm drains.** Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes and must be disposed of at a hazardous waste collection facility (contact your local stormwater program listed on the back of this brochure).
- ☐ When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage in a sanitary landfill. Empty, dry paint cans also may be recycled as metal.
- ☐ Wash water from painted buildings constructed before 1978 can contain high amounts of lead, even if paint chips are not present. Before you begin stripping paint or cleaning pre-1978 building exteriors with water under high pressure, test paint for lead by taking paint scrapings to a local laboratory. See Yellow Pages for a state-certified laboratory.
- ☐ If there is loose paint on the building, or if the paint tests positive for lead, block storm drains. Check with the wastewater treatment plant to determine whether you may discharge water to the sanitary sewer, or if you must send it offsite for disposal as hazardous waste.

Storm Drain Pollution from Paints, Solvents, and Adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local creeks, San Francisco Bay, and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Paint, material and paint thinner wastes and cleaning fluids should be recycled when possible, or disposed of properly to prevent these materials from flowing into storm drains and watercourses.

Painting Cleanup

- ☐ **Never clean brushes or rinse paint containers into a street, gutter, storm drain, French drain, or stream.**
- ☐ For **water-based paints**, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ☐ For **oil-based paints**, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.

Paint Removal

- ☐ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury or tributyl tin must be disposed of as hazardous wastes. Lead based paint removal requires a state-certified contractor.
- ☐ When stripping or cleaning building exteriors with high-pressure water, block storm drains. Direct wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer. Sampling of the water may be required to assist the wastewater treatment authority in making its decision.

Recycle/Reuse Leftover Paints Whenever Possible

- ☐ Recycle or donate excess **water-based (latex) paint**, or return to supplier.
- ☐ **Reuse leftover oil-based paint.** Dispose of non-recyclable thinners, sludge and unwanted paint, as hazardous waste.
- ☐ Unopened cans of paint may be able to be returned to the paint vendor. Check with the vendor regarding its "buy-back" policy.

Los Altos Municipal Code Requirements

Los Altos Municipal Code Chapter 10.08.390 Non-storm water discharges

A. Unlawful discharges. It shall be unlawful to discharge any domestic waste or industrial waste into storm drains, gutters, creeks, or San Francisco Bay. Unlawful discharges to storm drains shall include, but not be limited to, discharge from toilets; sinks; industrial processes; cooling systems; boilers; fabric cleaning; equipment cleaning; vehicle cleaning; construction activities, including, but not limited to, painting, paving, concrete placement, saw cutting and grading; swimming pools; spas; and fountains, unless specifically permitted by a discharge permit or unless exempted pursuant to guidelines published by the superintendent.

B. Threatened discharges. It shall be unlawful to cause hazardous materials, domestic waste, or industrial waste to be deposited in such a manner or location as to constitute a threatened discharge into storm drains, gutters, creeks or San Francisco Bay. A "threatened discharge" is a condition creating a substantial probability of harm, when the probability and potential extent of harm make it reasonably necessary to take immediate action to prevent, reduce or mitigate damages to persons, property or natural resources. Domestic or industrial wastes that are no longer contained in a pipe, tank or other container are considered to be threatened discharges unless they are actively being cleaned up.

Los Altos Municipal Code Section 10.08.430 Requirements for construction operations.

A. A spill response plan for hazardous waste, hazardous materials and uncontained construction materials shall be prepared and available at the construction sites for all projects where the proposed construction site is equal to or greater than one acre of disturbed soil and for any other projects for which the city engineer determines is necessary to protect surface waters. Preparation of the plan shall be in accordance with guidelines published by the city engineer.

B. A storm water pollution prevention plan shall be prepared and available at the construction sites for all projects greater than one acre of disturbed soil and for any other projects for which the city engineer determines that a storm water management plan is necessary to protect surface waters. Preparation of the plan shall be in accordance with guidelines published by the city engineer.

C. Prior approval shall be obtained from the city engineer or designee to discharge water pumped from construction sites to the storm drain. The city engineer or designee may require gravity settling and filtration upon a determination that either or both would improve the water quality of the discharge. Contaminated groundwater or water that exceeds state or federal requirements for discharge to navigable waters may not be discharged to the storm drain. Such water may be discharged to the sewer, provided that the requirements of Section 10.08.240 are met and the approval of the superintendent is obtained prior to discharge.

D. No cleanup of construction debris from the streets shall result in the discharge of water to the storm drain system; nor shall any construction debris be deposited or allowed to be deposited in the storm drain system. (Prior code § 5-5.643)

Criminal and judicial penalties can be assessed for non-compliance.

General Construction And Site Supervision

Best Management Practices For Construction

Best Management Practices for the

- General contractors
- Site supervisors
- Inspectors
- Home builders
- Developers

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay.

As a contractor, or site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

Doing The Job Right

General Principals

- ☐ Keep an orderly site and ensure good housekeeping practices are used.
- ☐ Maintain equipment properly.
- ☐ Cover materials when they are not in use.
- ☐ Keep materials away from streets, storm drains and drainage channels.
- ☐ Ensure dust control water doesn't leave site or discharge to storm drains.

Advance Planning To Prevent Pollution

- ☐ Schedule excavation and grading activities for dry weather periods. To reduce soil erosion, plant temporary vegetation or place other erosion controls before rain begins. Use the *Erosion and Sediment Control Manual*, available from the Regional Water Quality Control Board, as a reference.
- ☐ Control the amount of runoff crossing your site (especially during excavation) by using berms or temporary or permanent drainage ditches to divert water flow around the site. Reduce storm water runoff velocities by constructing temporary check dams or berms where appropriate.
- ☐ Train your employees and subcontractors. Make these best management practices available to everyone who works on the construction site. Inform subcontractors about the storm water requirements and their own responsibilities.

Good Housekeeping Practices

- ☐ Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, bermed if necessary. Make major repairs off site.
- ☐ Keep materials out of the rain – prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- ☐ Keep pollutants off exposed surfaces. Place trashcans and recycling receptacles around the site to minimize litter.
- ☐ Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- ☐ Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean out a dumpster by hosing it down on the construction site.
- ☐ Set portable toilets away from storm drains. Make sure portable toilets are in good working order. Check frequently for leaks.

Materials/Waste Handling

- ☐ Practice Source Reduction – minimize waste when you order materials. Order only the amount you need to finish the job.
- ☐ Use recyclable materials whenever possible. Arrange for pick-up of recyclable materials such as concrete, asphalt, scrap metal, solvents, degreasers, cleared vegetation, paper, rock, and vehicle maintenance materials such as used oil, antifreeze, batteries, and tires.
- ☐ Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

Permits

- ☐ In addition to local building permits, you will need to obtain coverage under the State's General Construction Activity Storm water Permit if your construction site disturbs one acre or more. Obtain information from the Regional Water Quality Control Board.

Earth-Moving And Dewatering Activities

Best Management Practices for the Construction Industry

Best Management Practices for the

- Bulldozer, back hoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

Doing The Job Right

General Business Practices

- ☐ Schedule excavation and grading work during dry weather.
- ☐ Perform major equipment repairs away from the job site.
- ☐ When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- ☐ Do not use diesel oil to lubricate equipment parts, or clean equipment.

Practices During Construction

- ☐ Remove existing vegetation only when absolutely necessary. Plant *temporary* vegetation for erosion control on slopes or where construction is not immediately planned.
- ☐ Protect down slope drainage courses, streams, and storm drains with wattles, or *temporary* drainage swales. Use check dams or ditches to divert runoff around excavations. Refer to the Regional Water Quality Control Board's *Erosion and Sediment Control Field Manual* for proper erosion and sediment control measures.

Storm Drain Pollution from Earth-Moving Activities and Dewatering

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains when handled improperly. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

Contaminated groundwater is a common problem in the Santa Clara Valley. Depending on soil types and site history, groundwater pumped from construction sites may be contaminated with toxics (such as oil or solvents) or laden with sediments. Any of these pollutants can harm wildlife in creeks or the Bay, or interfere with wastewater treatment plant operation.

Discharging sediment-laden water from a dewatering site into any water of the state without treatment is prohibited.

- ☐ Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

Dewatering Operations

1. *Check for Toxic Pollutants*

- ☐ Check for odors, discoloration, or an oily sheen on groundwater.
- ☐ Call your local wastewater treatment agency and ask whether the groundwater must be tested.
- ☐ If contamination is suspected, have the water tested by a certified laboratory.
- ☐ Depending on the test results, you may be allowed to discharge pumped groundwater to the storm drain (if no sediments present) or sanitary sewer. OR, you may be required to collect and haul pumped groundwater offsite for treatment and disposal at an appropriate treatment facility.

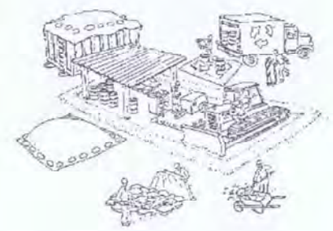
2. *Check for Sediment Levels*

- ☐ If the water is clear, the pumping time is less than 24 hours, and the flow rate is less than 20 gallons per minute, you may pump water to the street or storm drain.
- ☐ If the pumping time is more than 24 hours and the flow rate greater than 20 gpm, call your local wastewater treatment plant for guidance.
- ☐ If the water is not clear, solids must be filtered or settled out by pumping to a settling tank prior to discharge. Options for filtering include:
  - Pumping through a perforated pipe sunk part way into a small pit filled with gravel.
  - Pumping from a bucket placed below water level using a submersible pump. Pumping through a filtering device such as a swimming pool filter or filter fabric wrapped around end of suction pipe.
- ☐ When discharging to a storm drain, protect the inlet using a barrier of burlap bags filled with drain rock, or cover inlet with filter fabric anchored under the grate. OR pump water through a grassy swale prior to discharge.

Blueprint for a Clean Bay

Remember: The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. You may be held responsible for any environmental damage caused by your subcontractors or employees.

Best Management Practices for the Construction Industry



Santa Clara Urban Runoff Pollution Prevention Program

DESIGNED BY: LARRY LIND	APPROVED BY:	CITY OF LOS ALTOS	DATE: OCTOBER, 2001
DRAWN BY: VICTOR CHIN	CITY ENGINEER	R.C.E. 48056	SCALE: N.T.S.
CHECKED BY: JIM GUSTAFSON	SHEET OF SHEETS		DRAWING NO:

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BkF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

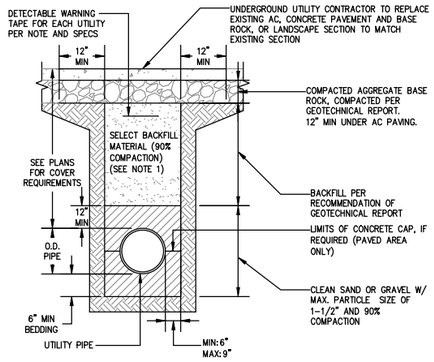
SHEET TITLE

BEST MANAGEMENT PRACTICES

SHEET NUMBER

C4.2

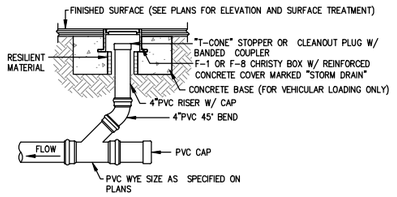
DRAWING NAME: K:\2017\17020B_Hillview_Community_Center_Redev\ENG\[ccsheets_soc_30x42.dwg
PLOT DATE: 12-13-23 PLOTTED BY: hemo



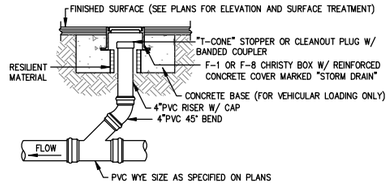
NOTES:

1. SELECT BACKFILL MATERIAL – MATERIAL FROM EXCAVATION, FREE FROM STONES OR LUMPS EXCEEDING 3" IN GREATEST DIMENSION, VEGETABLE MATTER, OR UNSATISFACTORY MATERIAL (SEE SPECIFICATIONS)
2. FOR NEW STREETS USE DESIGN STRUCTURAL SECTION AS SHOWN ON PLANS.
3. IF THE EDGE OF THE TRENCH FALLS WITHIN 3' OF THE GUTTER, THE ENTIRE PAVEMENT SHALL BE REMOVED.
4. IF EXISTING PAVEMENT IS LESS THAN 3" THICK, PAVEMENT EDGE SHALL BE SAWCUT TO FULL DEPTH IN LIEU OF GRINDING.
5. REFER TO ELECTRICAL PLANS FOR CONDUIT TRENCH BACKFILL.

1 – PIPE BACKFILL ON-SITE
NTS



END OF LINE

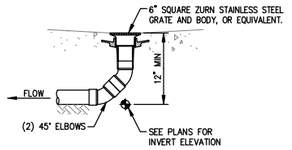


IN-LINE

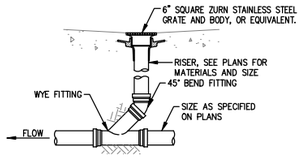
NOTES:

1. GLUED FITTINGS MAY BE SUBSTITUTED FOR GASKETED FITTINGS AT THE OPTION OF THE INSTALLATION CONTRACTOR.

2 – STORM DRAIN CLEANOUT
NTS



END OF LINE

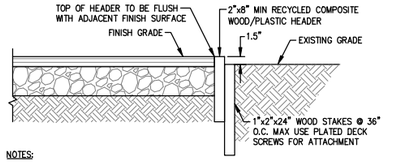


IN-LINE

NOTES:

1. GLUED FITTINGS MAY BE SUBSTITUTED FOR GASKETED FITTINGS AT THE OPTION OF THE INSTALLATION CONTRACTOR.
2. FOR SHALLOW INVERTS (LESS THAN 12"), USE TYPEZI727-90, W/ SIDE OUTLET.
3. USE ADA COMPLIANT GRATE IN PEDESTRIAN ACCESSIBLE AREAS.

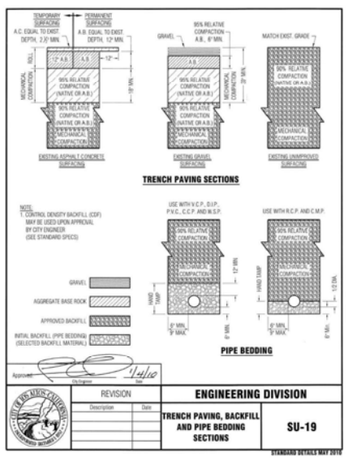
3 – AREA DRAIN – SQUARE
NTS



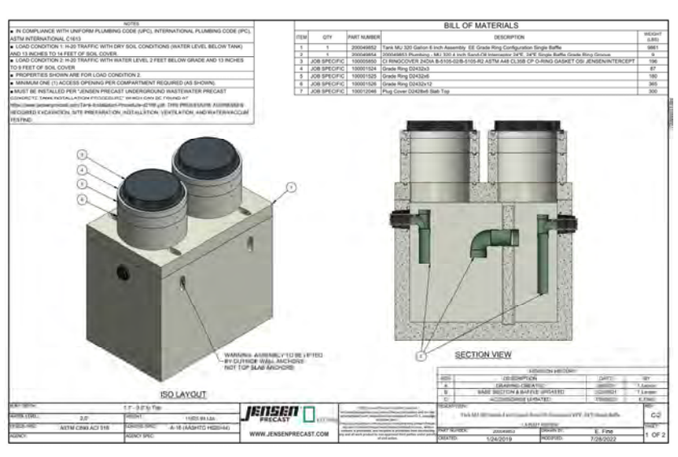
NOTES:

1. TOP OF HEADER SHALL MEET ALL PAVED SURFACES FLUSH.
2. ALLOW FOR THERMAL EXPANSION BY LEAVING GAPS IN JOINTS OR AT THE END OF THE RUN.
3. HEADERBOARD SHALL BE "TREX" COMPOSITE LUMBER OR APPROVED EQUAL

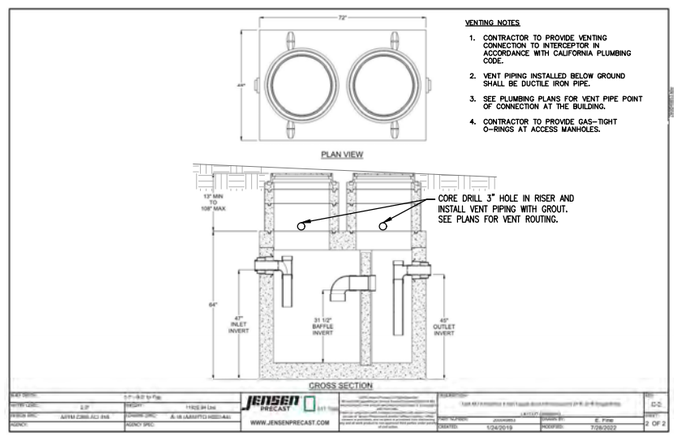
4 – WOOD HEADER BOARD
NTS

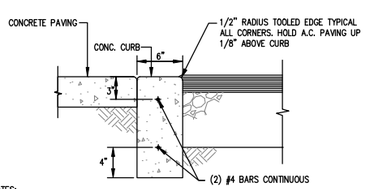


6 – TRENCH PAVING, BACKFILL & BEDDING
NTS



7 – 320 GALLON SAND-OIL INTERCEPTOR
NTS

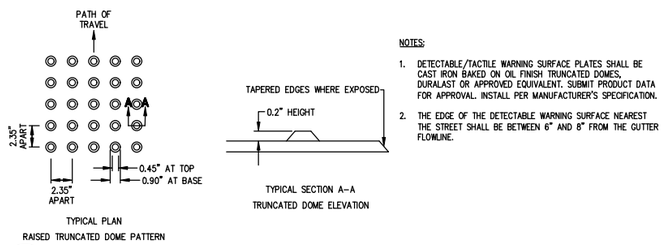




NOTES:

1. CURB MAY EITHER BE EXTRUDED TO THE SHAPE SHOWN OR FORMED & POURED IN PLACE
2. PROVIDE EXPANSION JOINTS AT 15' O.C.

8 – FLUSH CURB
NTS



NOTES:

1. DETECTABLE/TACTILE WARNING SURFACE PLATES SHALL BE CAST IRON BAKED ON OIL FINISH TRUNCATED DOMES, DURALAST OR APPROVED EQUIVALENT. SUBMIT PRODUCT DATA FOR APPROVAL. INSTALL PER MANUFACTURER'S SPECIFICATION.
2. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.

10 – DETECTABLE WARNING SURFACE
NTS

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

SEAL

REGISTERED PROFESSIONAL ENGINEER
C 78436
CIVIL
STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

△	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESPONSE

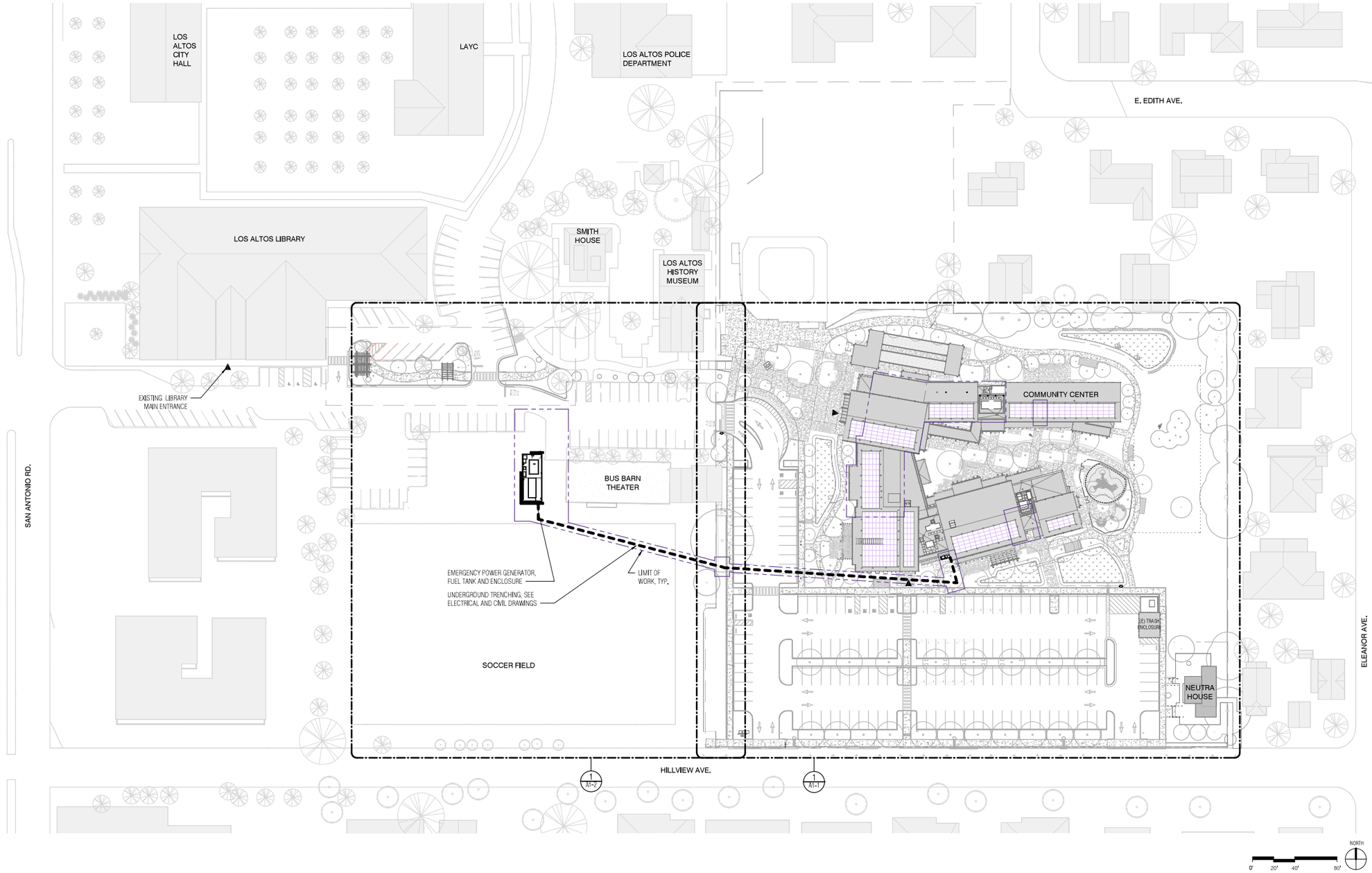
SHEET TITLE

DETAIL SHEET

SHEET NUMBER

C5.1

DRAWING NAME: K:\2017\17020B_Hillview_Community_Center_Redev\ENG\ccsheets_eoc_30x42.dwg
PLOT DATE: 12-13-23 PLOTTED BY: hemo



CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

SITE LEGEND

- PROPERTY LINE
- INDICATES AREA OF ALTERATION
- ACCESSIBLE PATH TO PUBLIC RIGHT OF WAY
- BICYCLE RACK
- ELECTRIC VEHICLE CHARGING STATION
- EXISTING TREES
- NEW TREES
- 1 INTERIOR ACCESSIBLE PATH OF TRAVEL

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

1 A1-0 **CIVIC CAMPUS EOC**
1" = 40'-0"

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

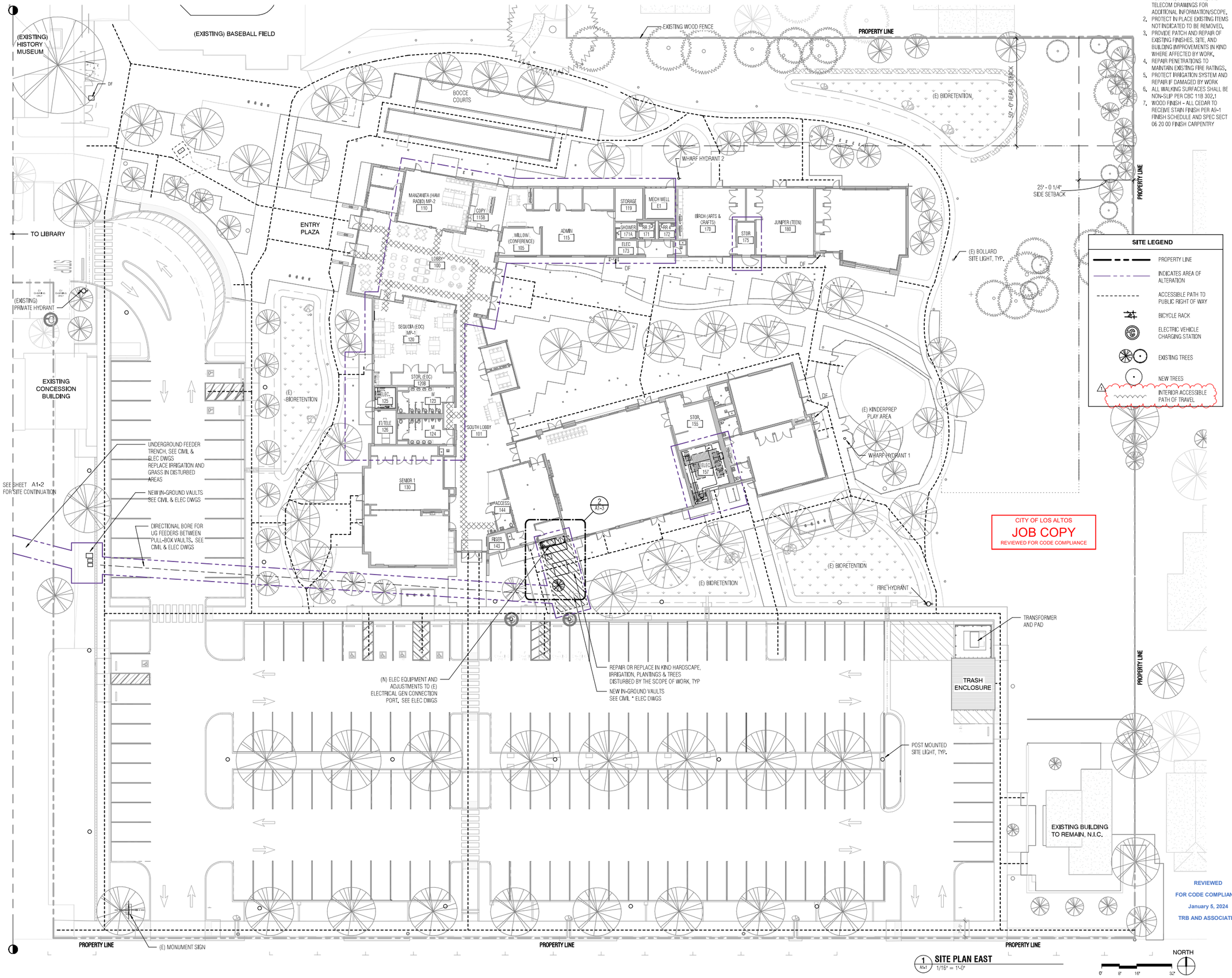
SHEET TITLE

CIVIC CAMPUS PLAN EOC

SHEET NUMBER

A1-0

11/14/2023 2:27:30 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt



GENERAL NOTES

1. REFER TO CIVIL, ELECTRICAL, PLUMBING, STRUCTURAL, AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES, SITE, AND BUILDING IMPROVEMENTS IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.
5. PROTECT IRRIGATION SYSTEM AND REPAIR IF DAMAGED BY WORK
6. ALL WALKING SURFACES SHALL BE NON-SLIP PER CBC 11B 302.1
7. WOOD FINISH – ALL CEDAR TO RECEIVE STAIN FINISH PER A9-1 FINISH SCHEDULE AND SPEC SECT 06 20 00 FINISH CARPENTRY

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA

Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

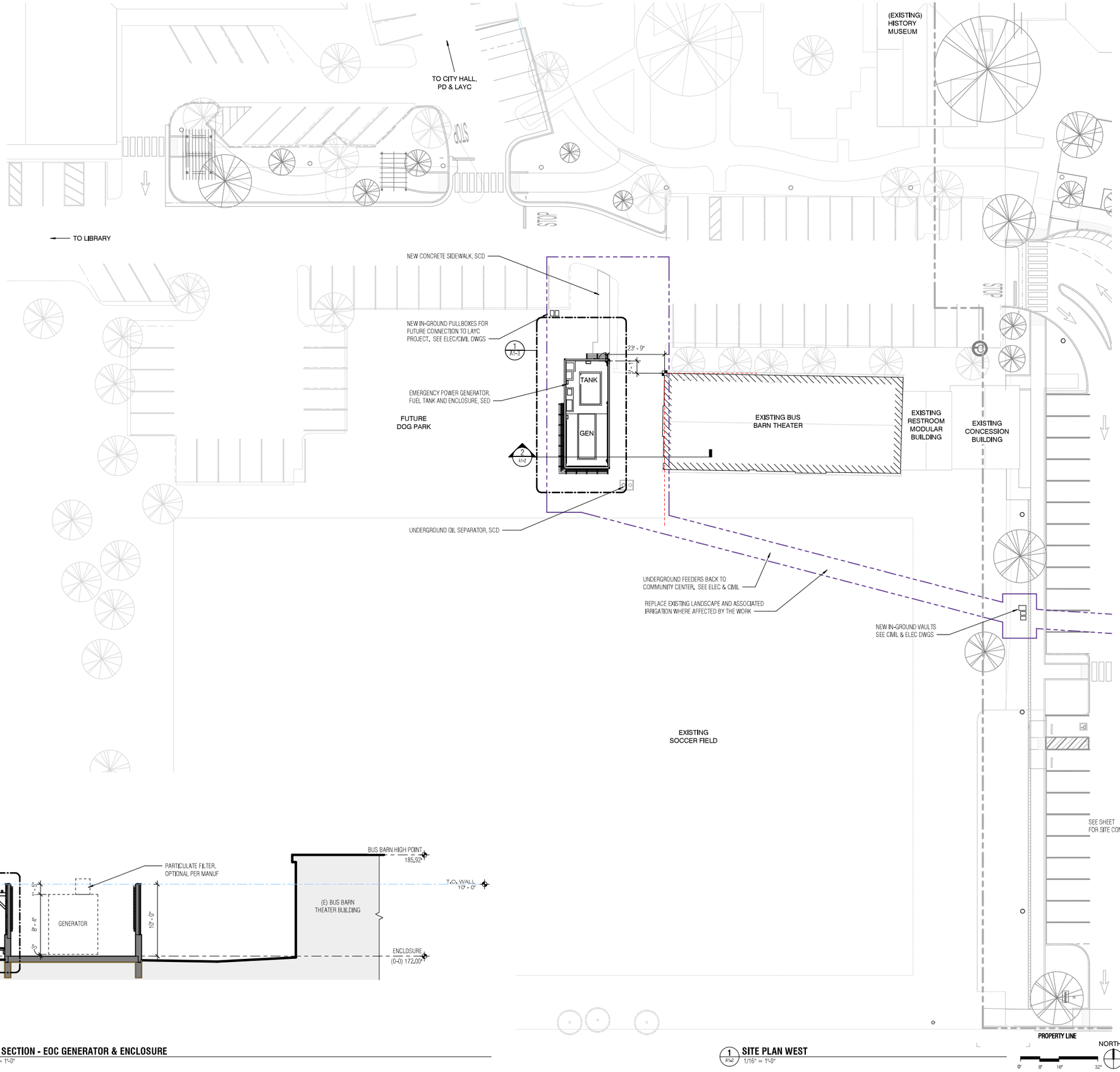
SHEET TITLE

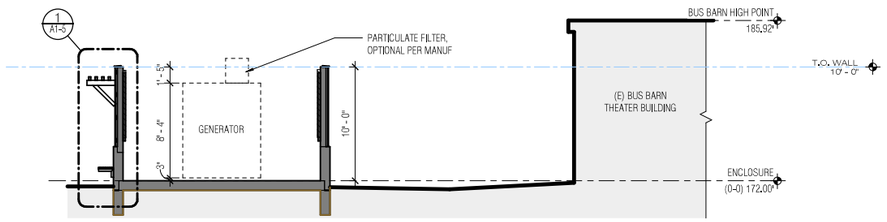
SITE PLAN EAST

SHEET NUMBER

A1-1

11/14/2023 2:27:57 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt





2 SITE SECTION - EOC GENERATOR & ENCLOSURE
A1-2 3/16" = 1'-0"

1 SITE PLAN WEST
A1-2 1/16" = 1'-0"

GENERAL NOTES

1. REFER TO CIVIL, ELECTRICAL, PLUMBING, STRUCTURAL, AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES, SITE, AND BUILDING IMPROVEMENTS IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.
5. PROTECT IRRIGATION SYSTEM AND REPAIR IF DAMAGED BY WORK
6. ALL WALKING SURFACES SHALL BE NON-SLIP PER CBC 11B 302.1
7. WOOD FINISH - ALL CEDAR TO RECEIVE STAIN FINISH PER A9-1 FINISH SCHEDULE AND SPEC SECT 06 20 00 FINISH CARPENTRY

SITE LEGEND

- PROPERTY LINE
- INDICATES AREA OF ALTERATION
- ACCESSIBLE PATH TO PUBLIC RIGHT OF WAY
- BICYCLE RACK
- ELECTRIC VEHICLE CHARGING STATION
- EXISTING TREES
- NEW TREES
- INTERIOR ACCESSIBLE PATH OF TRAVEL

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL
LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

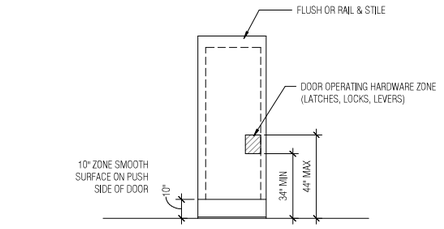
ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203
REVISIONS
| | DATE | DESCRIPTION |

SHEET TITLE
SITE PLAN WEST

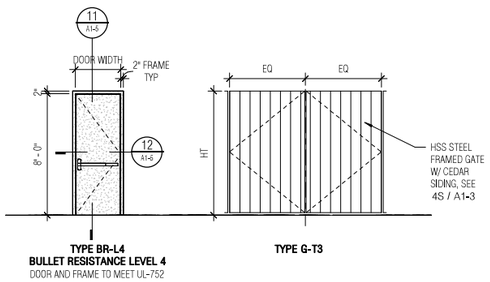
SHEET NUMBER
A1-2

11/14/2023 2:28:03 PM Autodesk Docs://Los Altos EOC/COLAEOC_Arch_Central_2023.rvt

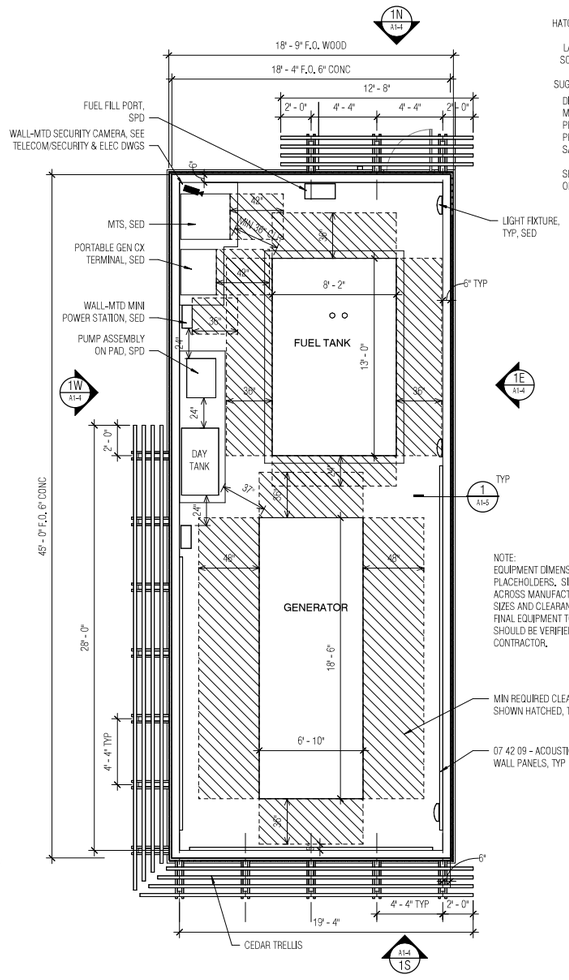


NOTE:
1. HINGED DOORS AND GATES SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.
2. SLIDING AND FOLDING DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.

5 DOOR HARDWARE (REFERENCE)
A1-3 — 3/8" = 1'-0"



6 DOOR & GATE TYPES
A1-3 — 1/4" = 1'-0"



3 ENLARGED PLAN - EOC GENERATOR ENCLOSURE HIGH
A1-3 — 1/4" = 1'-0"

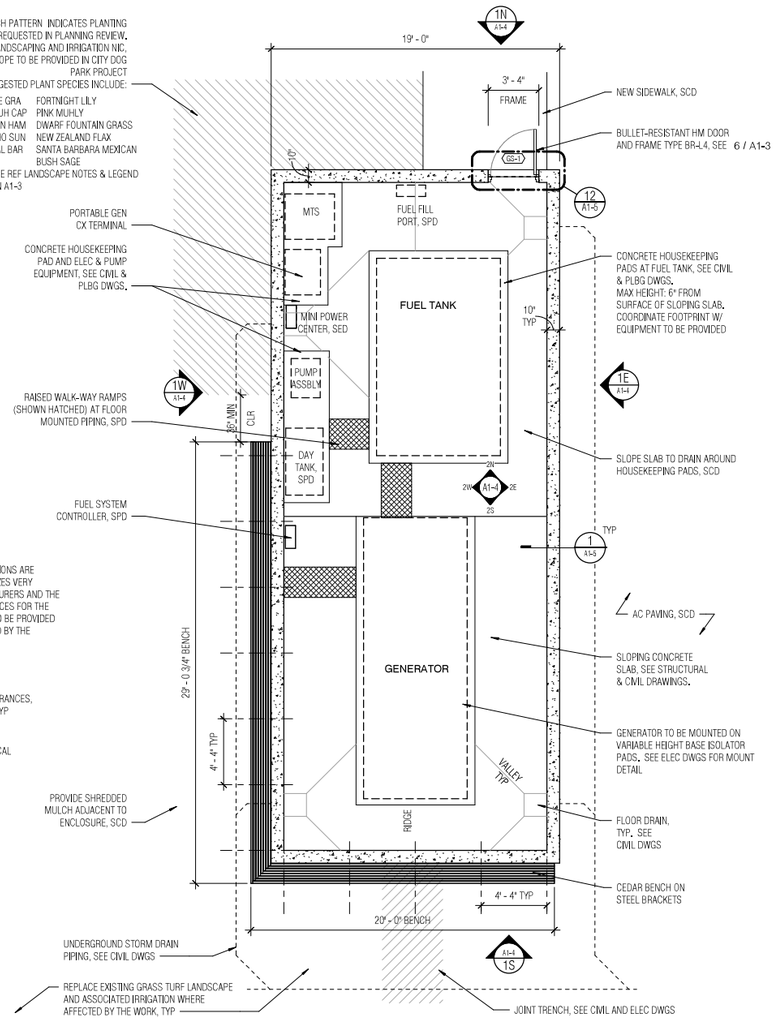
HATCH PATTERN INDICATES PLANTING REQUESTED IN PLANNING REVIEW. LANDSCAPING AND IRRIGATION NIC, SCOPE TO BE PROVIDED IN CITY DOG PARK PROJECT

SUGGESTED PLANT SPECIES INCLUDE:

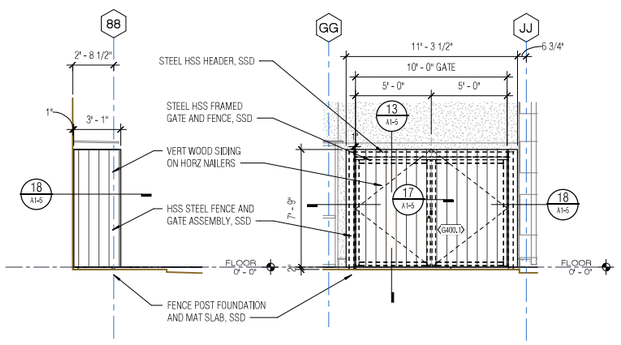
DIE GRA	FORTNIGHT LILY
MUH CAP	PINK MUHLY
PEN HAM	DWARF FOUNTAIN GRASS
PHO SUN	NEW ZEALAND FLAX
SAL BAR	SANTA BARBARA MEXICAN BUSH SAGE

SEE REF LANDSCAPE NOTES & LEGEND ON A1-3

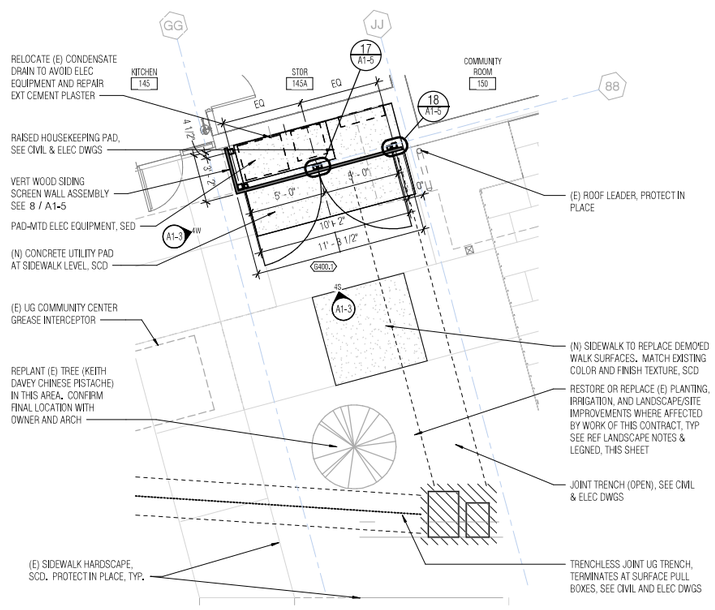
NOTE:
EQUIPMENT DIMENSIONS ARE PLACEHOLDERS. SIZES VERY ACROSS MANUFACTURERS AND THE SIZES AND CLEARANCES FOR THE FINAL EQUIPMENT TO BE PROVIDED SHOULD BE VERIFIED BY THE CONTRACTOR.



1 ENLARGED PLAN - EOC GENERATOR ENCLOSURE LOW
A1-3 — 1/4" = 1'-0"



4W EOC WALL SCREEN & GATE - SOUTH FACADE
4W A1-3 — 1/4" = 1'-0"



2 ENLARGED SITE PLAN - EOC SOUTH EMERGENCY POWER
A1-3 — 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO CIVIL, ELECTRICAL, PLUMBING, STRUCTURAL, AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES, SITE, AND BUILDING IMPROVEMENTS IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.
5. PROTECT IRRIGATION SYSTEM AND REPAIR IF DAMAGED BY WORK
6. ALL WALKING SURFACES SHALL BE NON-SLIP PER CBC 11B 302.1
7. WOOD FINISH - ALL CEDAR TO RECEIVE STAIN FINISH PER A9-1 FINISH SCHEDULE AND SPEC SECT 06 20 00 FINISH CARPENTRY

DOOR NOTES

1. HINGED DOORS AND GATES SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.
2. SLIDING AND FOLDING DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.
3. SEE SHEET G3.22 FOR HARDWARE MOUNTING REQUIREMENTS

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

LANDSCAPE REF NOTES & LEGEND

LISTED BELOW ARE THE (E) TREES AND PLANTS INCLUDED WITH THE COMMUNITY CENTER PROJECT FOR REFERENCE.

(E) TREES:

CODE	Botanical Name/Common Name
ARB MAR	Arbutus x 'Marina' / Arbutus Multi-Trunk
PIS CHI	Pistacia chinensis 'Keith Davey' / Keith Davey Chinese Pistache

(E) SHRUBS, PERENNIALS, GRASSES:

CODE	Botanical Name/Common Name
ANI ORA	Anigozanthos 'Orange Cross' / Orange Kangaroo Paw
ARC HOW	Arctostaphylos 'Howard McMinn' / Howard McMinn Manzanita
DIE GRA	Dietes grandiflora / Fortnight Lily
LEU RED	Leucadendron x `Red Gem` / Red Conebush
MUH CAP	Muhlenbergia capillaris / Pink Muhly
MUH LIN	Muhlenbergia lindheimeri / Lindheimer's Muhly
PEN HAM	Pennisetum alopecuroides 'Hameln' / Dwarf Fountain Grass
PHO SUN	Phormium 'Sunset' / New Zealand Flax
RHA ALA	Rhamnus alaternus `John Edwards` / Italian Buckthorn
SAL BAR	Salvia leucantha 'Santa Barabara' / Santa Barbara Mexican Bush Sage

(E) GROUNDCOVERS:

CODE	Botanical Name/Common Name
CEA CEN	Ceanothus x `Centennial` / Centennial Ceanothus
ERI KAR	Erigeron karvinskianus / Fleabane

(E) BIORETENTION PLANTINGS:

CODE	Botanical Name/Common Name
CHO ELE	Chondropetalum elephantinum / Large Cape Rush
JUN ELK	Juncus patens 'Elk Blue' / California Gray Rush

(E) HYDROSEED PLANTINGS:

CODE	Botanical Name/Common Name
NAT GRA	Hydroseed Native Grass Mix

REVIEWED FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL
LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

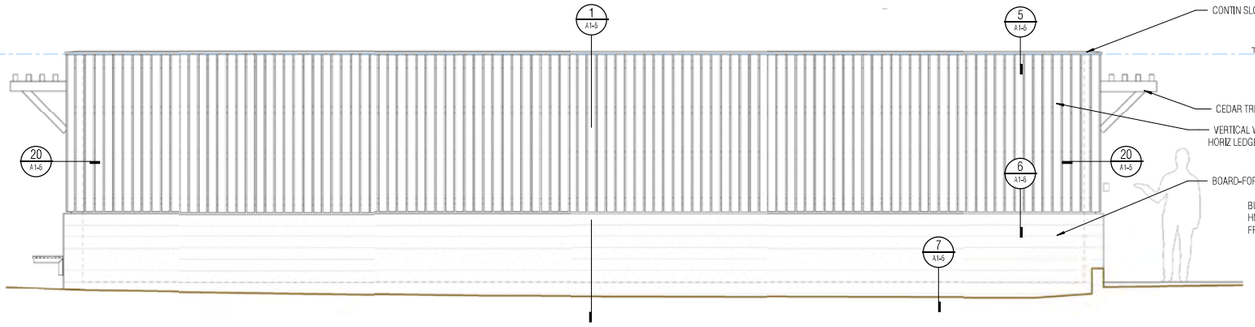
REVISIONS

	DATE	DESCRIPTION

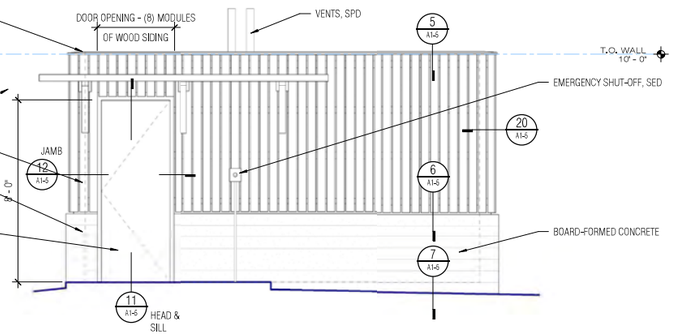
SHEET TITLE
ENLARGED SITE PLANS & DOORS

SHEET NUMBER
A1-3

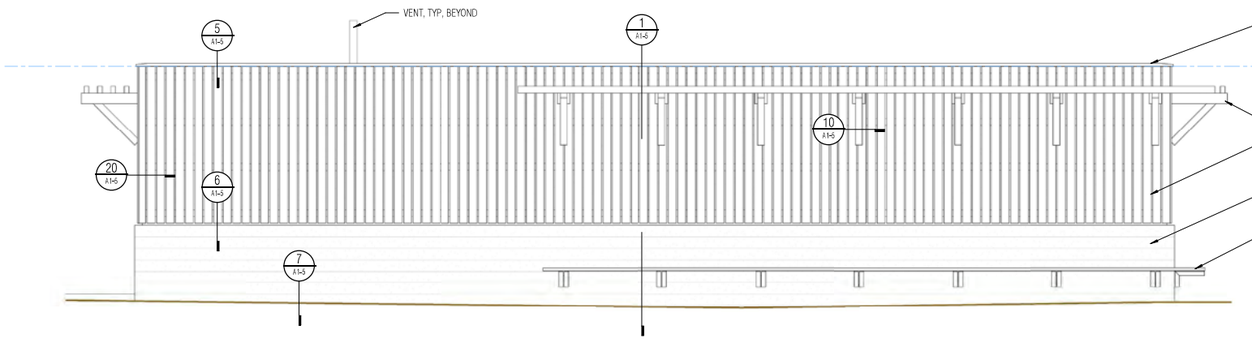
11/14/2023 2:28:11 PM Autodesk Docs://Los Altos EOC/DOLA-EOC_ArchCentral_2023.rvt



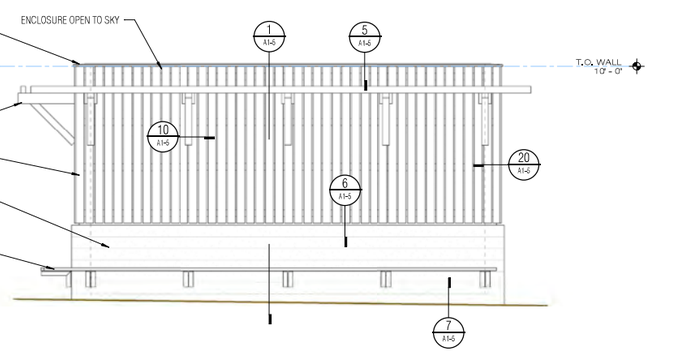
1E



1N



1W

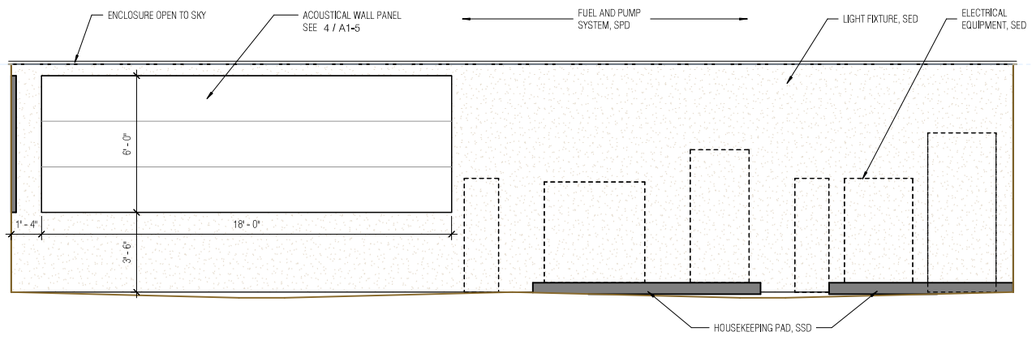


1S

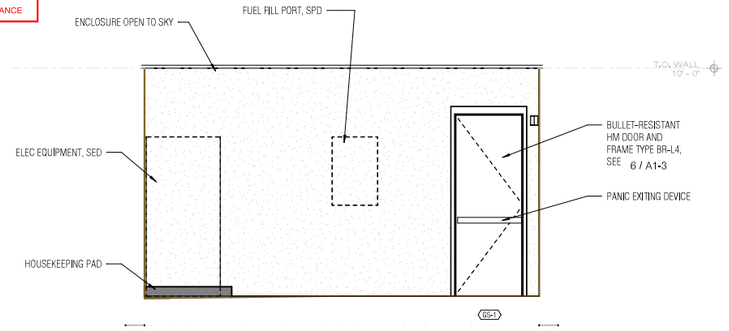
FINISH NOTE:
ALL CEDAR WOOD TO RECEIVE STAIN FINISH PER A9-1 FINISH SCHEDULE
AND SPEC 06 20 00 FINISH CARPENTRY

1W ENCLOSURE - W
1W A1-4 3/8" = 1'-0"

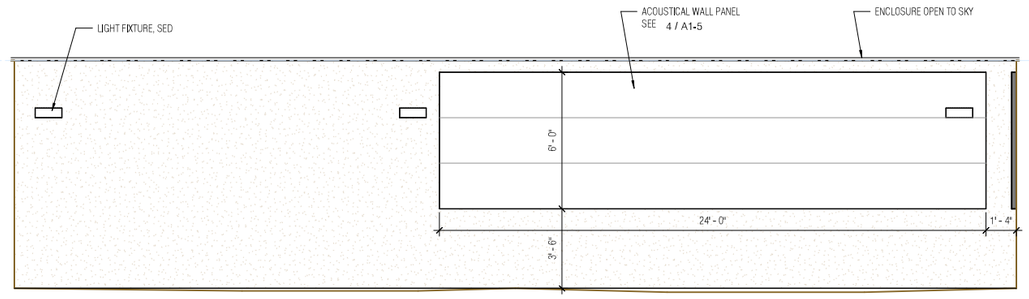
CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



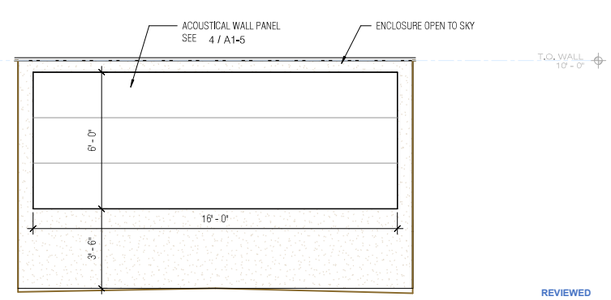
2W



2N



2E



2S

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

2E ENCLOSURE INT - E
2E A1-4 3/8" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

APPROVALS

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

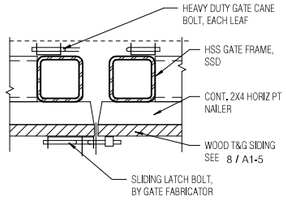
SHEET TITLE

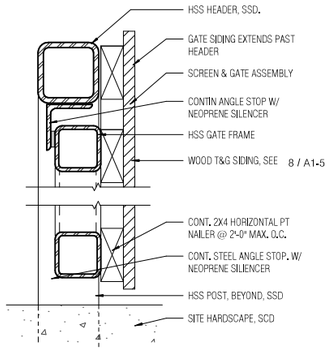
GENERATOR ENCLOSURE ENLARGED ELEVATIONS

SHEET NUMBER

A1-4

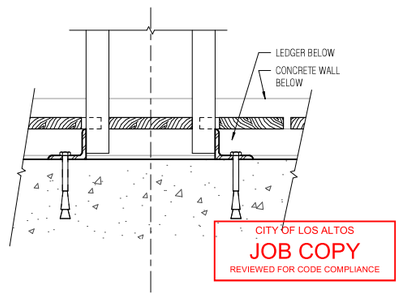
11/14/2023 2:28:20 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt



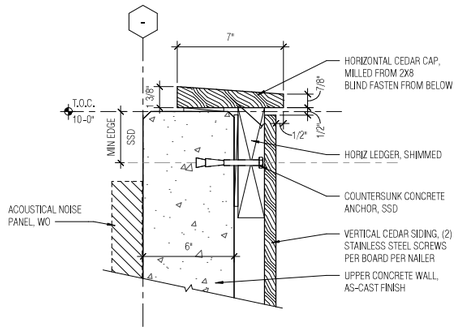


17 A1-5 EOC WALL SCREEN - GATE LATCH
3" = 1'-0"

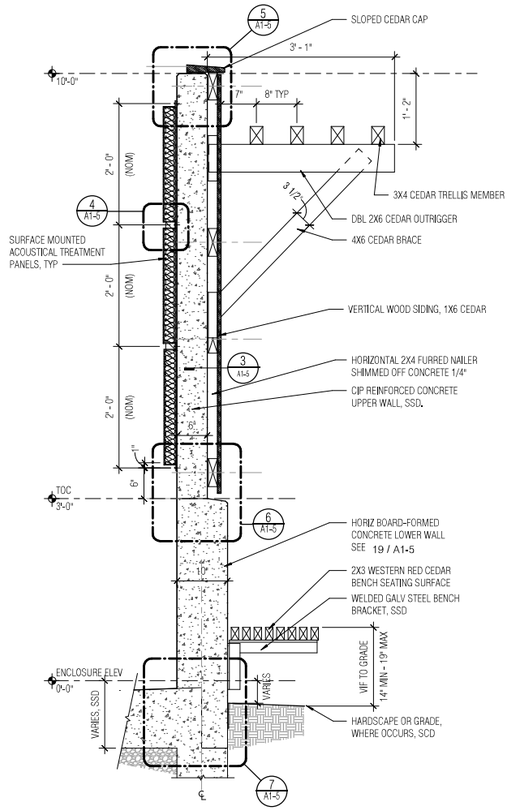
13 A1-5 EOC WALL SCREEN - GATE SECT
3" = 1'-0"

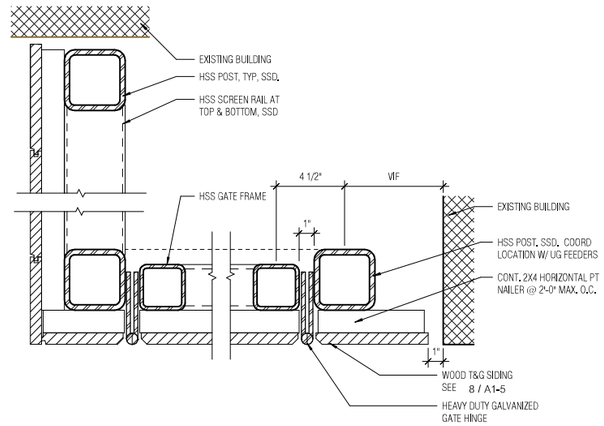


CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

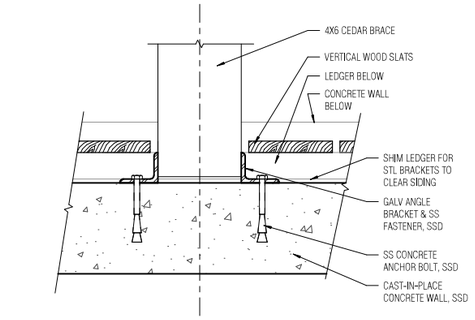


5 A1-5 SECTION DETAIL - ENCLOSURE - WALL TOP
3" = 1'-0"

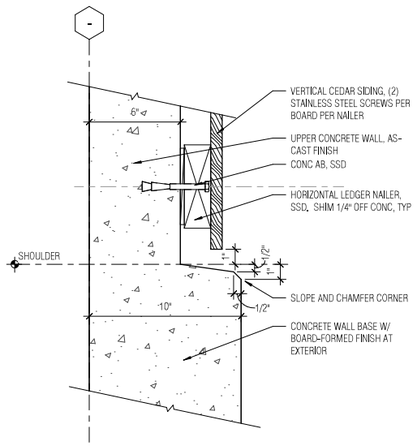




18 A1-5 EOC WALL SCREEN - GATE JAMB
3" = 1'-0"

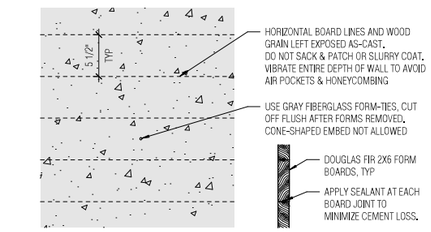


10 A1-5 TYP DETAIL - ENCLOSURE TRELLIS ATTACHMENT
3" = 1'-0"

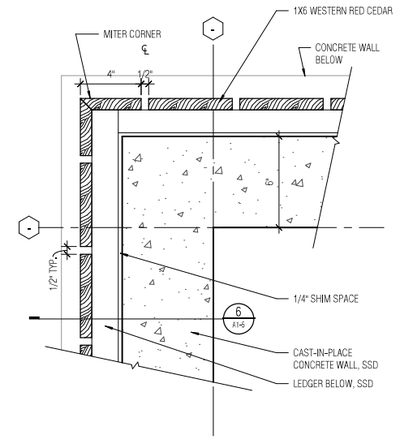


6 A1-5 SECTION DETAIL - ENCLOSURE - CONC-TRANSITION
3" = 1'-0"

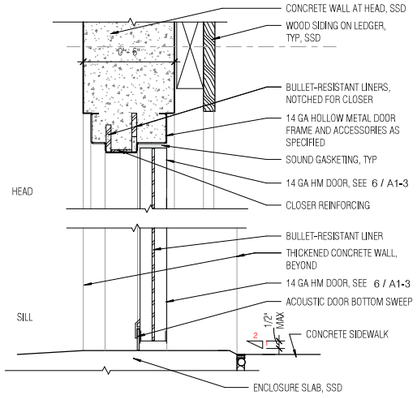
1 A1-5 ENCLOSURE WALL SECTION
1" = 1'-0"



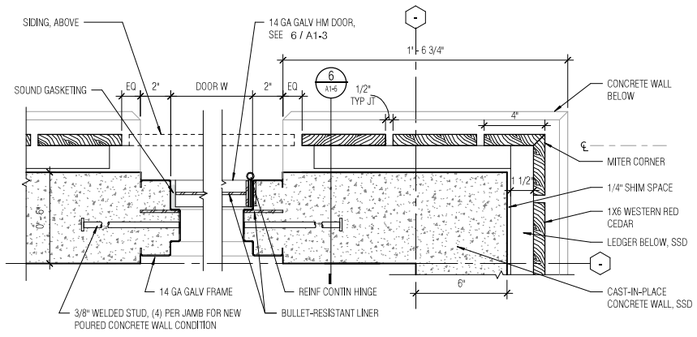
19 A1-5 BOARD-FORMED CONCRETE DETAIL
1 1/2" = 1'-0"



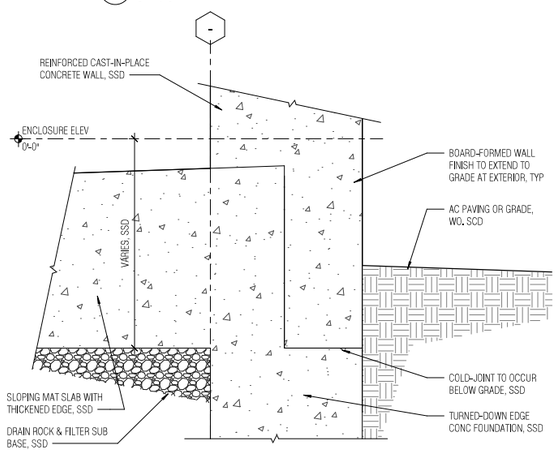
20 A1-5 TYP PLAN DETAIL - CORNER
3" = 1'-0"



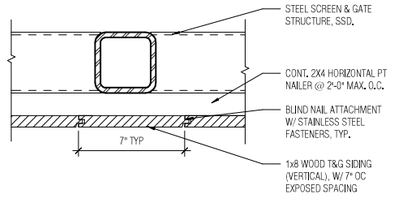
12 A1-5 TYP PLAN DETAIL - DOOR JAMBS
3" = 1'-0"



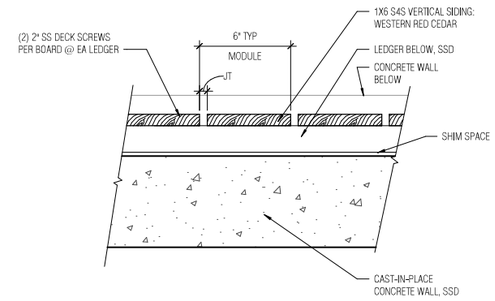
11 A1-5 EXT DOOR DETAIL - HOLLOW METAL AT CONCRETE
3" = 1'-0"



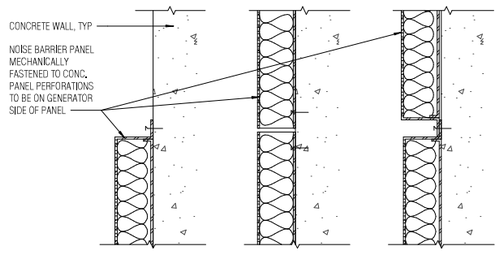
7 A1-5 SECTION DETAIL - ENCLOSURE - WALL BASE
3" = 1'-0"



8 A1-5 TYP GATE & SCREEN ASSEMBLY - PLAN
3" = 1'-0"



3 A1-5 TYP ENCLOSURE SIDING - PLAN
3" = 1'-0"



4 A1-5 ENCLOSURE - NOISE BARRIER - DETAIL
3" = 1'-0"

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE

SITE DETAILS - GENERATOR ENCLOSURE

SHEET NUMBER

A1-5

11/14/2023 2:28:24 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

ENTRY PLAZA

SEE RCP, ROOF PLAN & ELEC, COMM & ANTENNA DWGS FOR ROOF MOUNTED ANTENNA CABLE ROUTING ABOVE CEILINGS

EM GEN ANNUNCIATOR PANEL, SED

SEE ELEC DRAWINGS FOR ELEC RM 173 SCOPE

STORAGE RACK FOR HAM RADIO EQUIPMENT

PROVIDE CONDUIT PATHWAY TO ROOF FOR FUTURE ANTENNA CABLING - SEE RADIO, COMM AND ANTENNA DRAWINGS

LINE OF 2-HR FIRE RATED ENCLOSURE

SEE ELEC DRAWINGS FOR ELEC RM 125 SCOPE

SEE ELEC, COMM & ANTENNA DRAWINGS FOR IT/TELE RM 126 SCOPE

SEE 230000 OPTION FOR IT ROOM REDUNDANT COOLING SYSTEM

SEE OPTION FOR IT ROOM VENTILATION THROUGH STOR 130A - REF 230000

SEE RCP AND ROOF PLANS FOR ROOF-MTD ANTENNA CABLING THROUGH RESTROOM CEILING PLENUM

COMMUNITY ROOM NORTH TERRACE

SEE ELEC DRAWINGS FOR ELEC RM 157 SCOPE

LINE OF 1-HR FIRE RATED ENCLOSURE

SEE ELEC DRAWINGS FOR EXTERIOR ELEC SCOPE IN THE HATCHED AREA

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

GENERAL NOTES

1. REFER TO CIVIL, PLUMBING, ELECTRICAL, AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.
5. FOR FIRE RATED PENETRATION DETAILS SEE 5 / A3-1 AND ELEC DRAWINGS

NO WORK IN THIS AREA, PROTECT EXISTING FINISHES IN PLACE

1-HOUR RATED ENCLOSURE

2-HOUR RATED ENCLOSURE

KEYNOTE LEGEND	
05-07	ROOF ACCESS LADDER

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NORTH

0' 4' 8' 16'

1 FLOOR PLAN
A2-1 1/8" = 1'-0"

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

△	DATE	DESCRIPTION
1	11/15/20203	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

EOC FLOOR PLAN

SHEET NUMBER

A2-1

11/14/2023 2:39:10 PM Autodesk Docs://Los Altos EOC/OLA-EOC_Arch_Central_2023.rvt

1 PROPOSED NEW SCOPE AT ROOF LIMITED TO:
INSTALL NEW PIPE MOUNT AND ANTENNAS ATTACHED TO ROOF RAFTERS IN ATTIC SPACE BELOW. PATCH AND FLASH ROOFING SYSTEM
INSTALL NEW ANTENNAS TO (E) MECH SCREEN AND CABLING PENETRATION IN EXTERIOR WALL
INSTALL NEW SATELITE DISH AT WALL AND ON NON-PENETRATING MOUNT AND CABLING PENETRATION

ANTENNA AND PIPE MOUNT, TYP OF 2 ALIGN W/ (E) VENT

GMRS & EOC ANTENNA TO BE EVENLY SPACED

MULTIBAND ANTENNA @ OPPOSITE CORNERS, TYP OF 2

NOT IN SCOPE

CANOPY/TRELLIS

GLASS CANOPY COVER @ MAIN ENTRY

PV PANELS

LOCATION OF SATELLITE DISH, ON NON-PENETRATING MOUNT, AIMS SOUTH, SEE ANTENNA & TECH SCOPE

PROVIDE EMPTY PATHWAY UP FROM MTG ROOM 121 AND CAPPED ROOF PENETRATION FOR FUTURE PD RADIO ANTENNA (NIC).

LOCATION OF OFF-AIR TELEVISION ANTENNA, AIMS NW TO SUTRO TOWER SEE ANTENNA & TECH SCOPE

SATELLITE DISH & OFF AIR TV CABLING TO TELECOM ROOM, PENETRATE VERT ROOFING WALL WITH CABLING PORT AND ROUTE IN CEILING PLENUM

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

LEGEND

- FACE OF BUILDING BELOW
- Rx (E) ROOF ASSEMBLY TYPE
- (E) SHINGLE ROOF ASSEMBLY R1
- (E) SINGLE PLY ROOF ASSEMBLY R2
- (E) METAL ROOF ASSEMBLY R3
- (E) CANOPY METAL CORRUGATED ROOF ASSEMBLY R4
- (E) CANOPY GLASS ROOF ASSEMBLY
- (E) ROOF GUTTER
- (E) TUBULAR SKYLIGHT
- (E) ROOF HATCH
- VT (E) ROOF VENT
- RWL (E) RAINWATER LEADER
- RD (E) ROOF DRAIN
- KOD (E) KICKOUT DIVERTER FLASHING
- AREA NOT IN SCOPE, NO CHANGE

KEYNOTE LEGEND

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NORTH

0' 4' 8' 16'

1 EOC ROOF PLAN
A2-2 1/8" = 1'-0"

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/20203	PERMIT PLAN CHECK RESPONSE

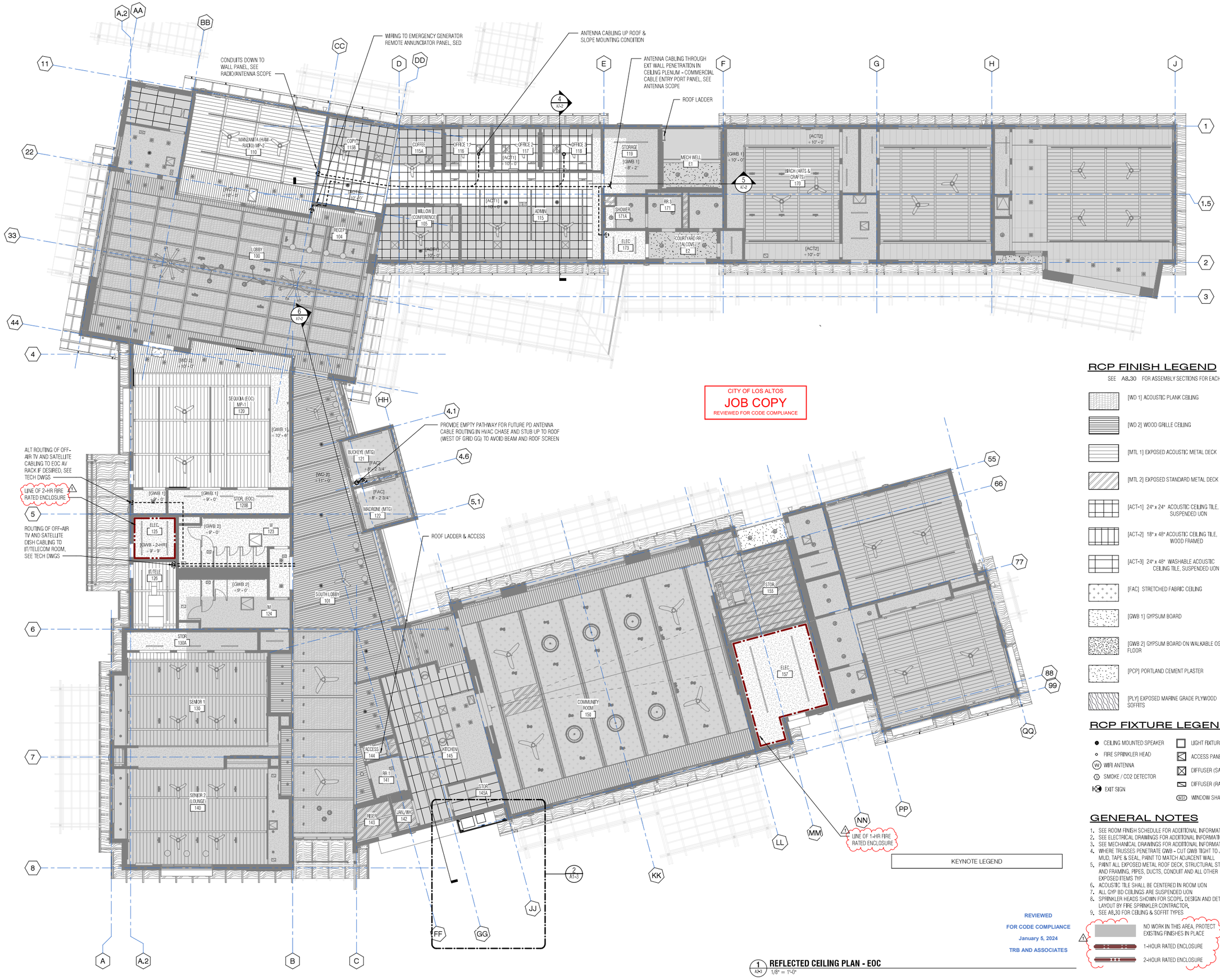
SHEET TITLE

EOC ROOF PLAN

SHEET NUMBER

A2-2

11/14/2023 2:29:24 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt



1 REFLECTED CEILING PLAN - EOC
A2-1 1/8" = 1'-0"

RCP FINISH LEGEND

SEE A8.30 FOR ASSEMBLY SECTIONS FOR EACH TYPE.

- [WD 1] ACOUSTIC PLANK CEILING
- [WD 2] WOOD GRILLE CEILING
- [MTL 1] EXPOSED ACOUSTIC METAL DECK
- [MTL 2] EXPOSED STANDARD METAL DECK
- [ACT-1] 24" x 24" ACOUSTIC CEILING TILE, SUSPENDED UON
- [ACT-2] 18" x 48" ACOUSTIC CEILING TILE, WOOD FRAMED
- [ACT-3] 24" x 48" WASHABLE ACOUSTIC CEILING TILE, SUSPENDED UON
- [FAC] STRETCHED FABRIC CEILING
- [GWB 1] GYPSUM BOARD
- [GWB 2] GYPSUM BOARD ON WALKABLE OSB FLOOR
- [PCP] PORTLAND CEMENT PLASTER
- [PLY] EXPOSED MARINE GRADE PLYWOOD SOFFITS

RCP FIXTURE LEGEND

- CEILING MOUNTED SPEAKER
- FIRE SPRINKLER HEAD
- (W) WIFI ANTENNA
- (S) SMOKE / CO2 DETECTOR
- EXIT SIGN
- LIGHT FIXTURE
- ACCESS PANEL
- DIFFUSER (SA)
- DIFFUSER (RA)
- (WST) WINDOW SHADE

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
3. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. WHERE TRUSSES PENETRATE GWB - CUT GWB TIGHT TO JOISTS. MUD, TAPE & SEAL, PAINT TO MATCH ADJACENT WALL
5. PAINT ALL EXPOSED METAL ROOF DECK, STRUCTURAL STEEL AND FRAMING, PIPES, DUCTS, CONDUIT AND ALL OTHER EXPOSED ITEMS TYP
6. ACOUSTIC TILE SHALL BE CENTERED IN ROOM UON
7. ALL GYP BD CEILINGS ARE SUSPENDED UON
8. SPRINKLER HEADS SHOWN FOR SCOPE. DESIGN AND DETAILED LAYOUT BY FIRE SPRINKLER CONTRACTOR.
9. SEE A8.30 FOR CEILING & SOFFIT TYPES

- NO WORK IN THIS AREA, PROTECT EXISTING FINISHES IN PLACE
- 1-HOUR RATED ENCLOSURE
- 2-HOUR RATED ENCLOSURE

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

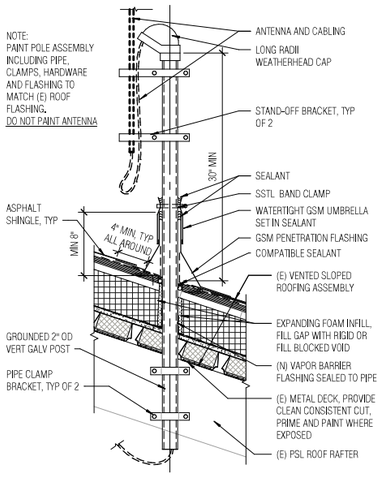
SHEET TITLE

EOC REFLECTED CEILING PLAN

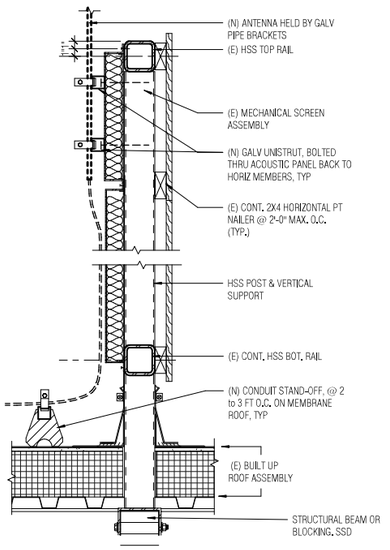
SHEET NUMBER

A2-3

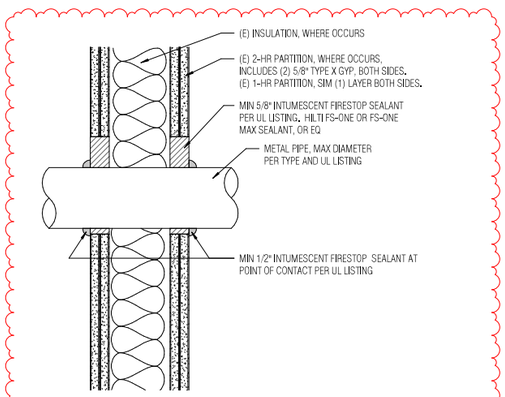
11/14/2023 2:30:06 PM Autodesk Docs://Los Altos EOC/CDLA-EOC_Arch_Central_2023.rvt



3 EOC TYPICAL PIPE PENETRATION @ SLOPED ROOF ANTENNA
A5-1 1 1/2" = 1'-0"



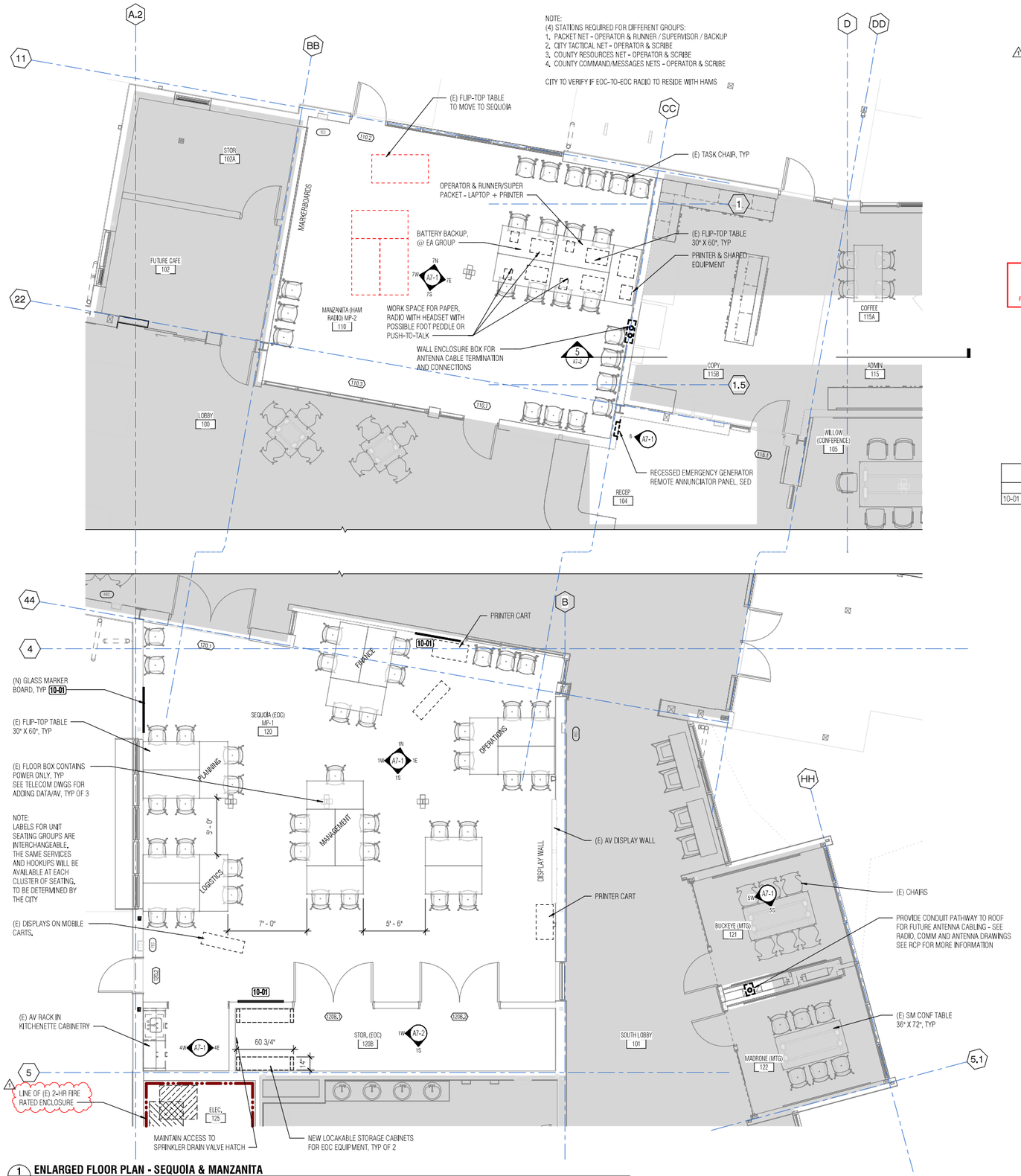
4 EOC ANTENNA MTING @ MECHANICAL ROOF SCREEN
A5-1 1 1/2" = 1'-0"



UL SYSTEM NO. W-L-1054: METAL PIPE THROUGH 1-HR & 2-HR GYPSUM WALL ASSEMBLIES
FOR INSULATED METAL PIPE PROVIDE UL SYSTEM NO. W-L-5028
FOR FLEXIBLE METAL-CLAD CABLE PROVIDE UL SYSTEM NO. W-L-3083

(E) 1-HR PARTITIONS ARE PER UL # U305
(E) 2-HR PARTITIONS ARE PER UL # U301

5 PIPE PENETRATION AT FLOOR AND WALL
A5-1 3" = 1'-0"



1 ENLARGED FLOOR PLAN - SEQUOIA & MANZANITA
A5-1 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO CIVIL, PLUMBING, ELECTRICAL, AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.
5. FOR FIRE RATED PENETRATION DETAILS SEE 5 / A3-1 AND ELEC DRAWINGS

NO WORK IN THIS AREA, PROTECT EXISTING FINISHES IN PLACE

1 HOUR RATED ENCLOSURE
STORAGE CABINET NUMBER
2 HOUR RATED ENCLOSURE
HOSE BIB / WALL FAUCET

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

KEYNOTE LEGEND	
10-01	GLASS MARKER BOARD

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

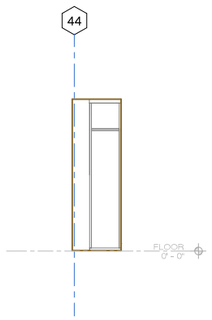
REVISIONS

	DATE	DESCRIPTION
1	11/15/20203	PERMIT PLAN CHECK RESPONSE

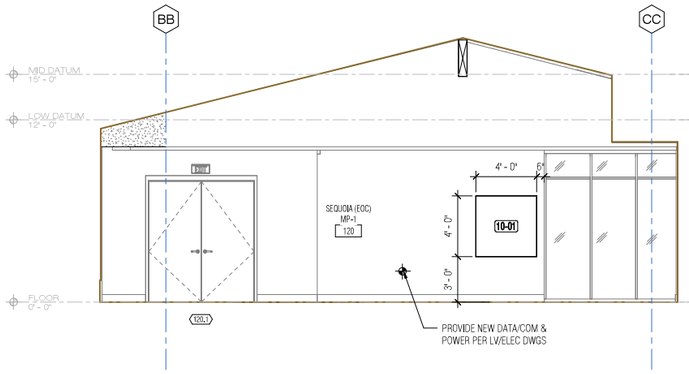
SHEET TITLE
EOC ENLARGED PLAN

SHEET NUMBER
A3-1

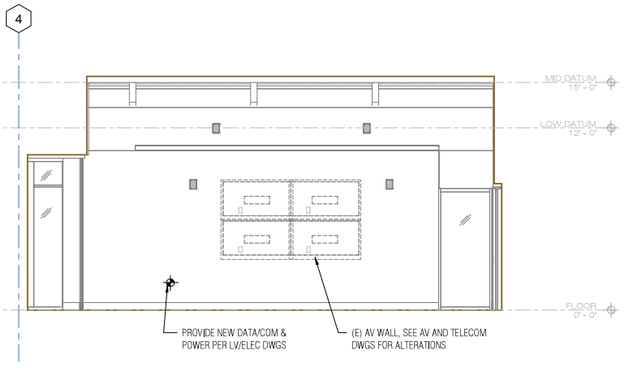
11/14/2023 2:30:29 PM Autodesk Docs://Los Altos EOC/COLAEOC_Arch_Central_2023.rvt



3 A7-1 **EOC - SEQUOIA (MP-1) - WEST SIDELITE**
1/4" = 1'-0"



1N

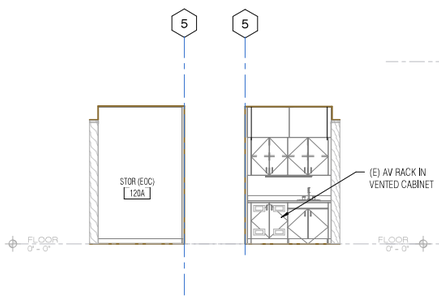


1E

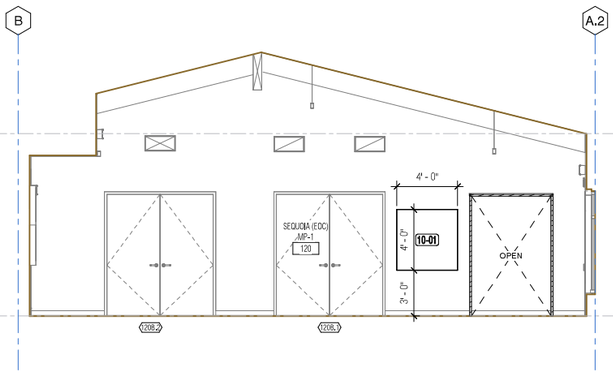
SHEET NOTES

1. REFER TO ELECTRICAL TELECOM AND RADIO/ANTENNA DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.

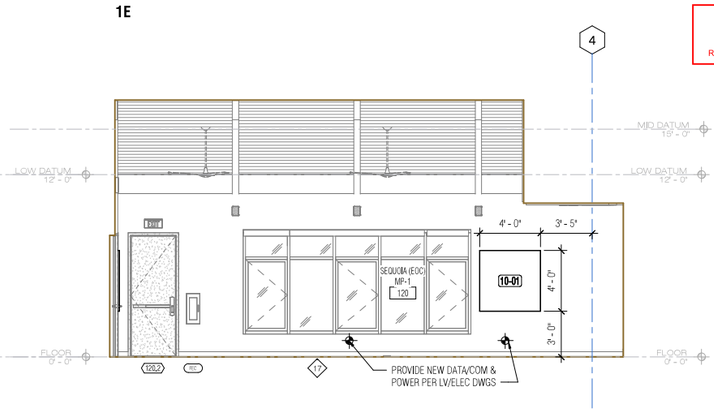
KEYNOTE LEGEND	
10-01	GLASS MARKER BOARD



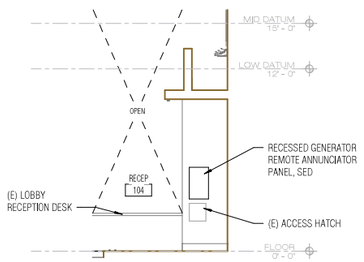
4E 4W
4E A7-1 **SEQUOIA EOC - SINK ALCOVE**
1/4" = 1'-0"



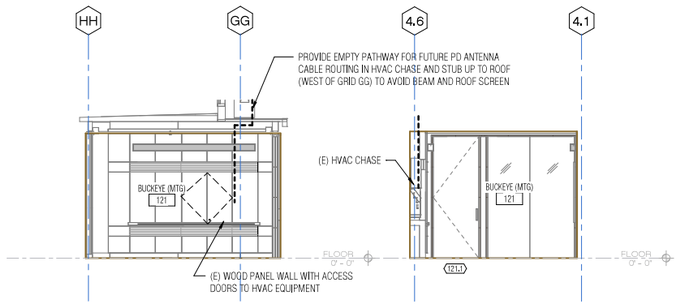
1S
1S A7-1 **EOC SEQUOIA (MP1) 120**
1/4" = 1'-0"



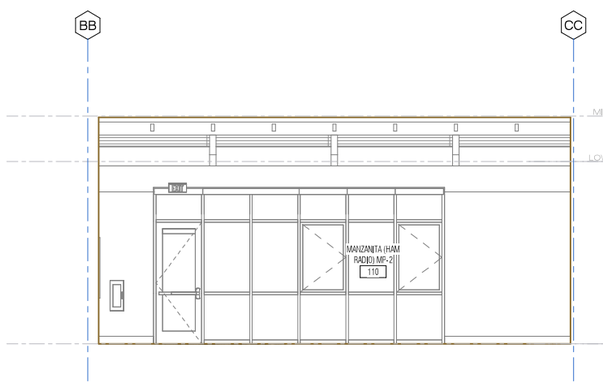
1W



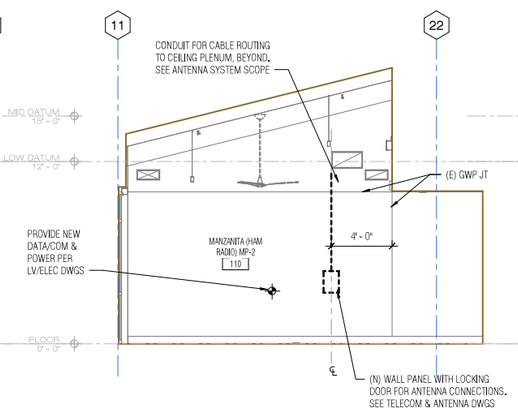
6 A7-1 **LOBBY RECEPTION DESK**
1/4" = 1'-0"



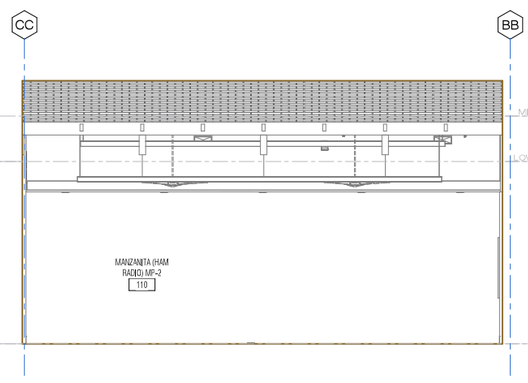
5S 5W
5S A7-1 **EOC BUCKEYE MEETING ROOM (121)**
1/4" = 1'-0"



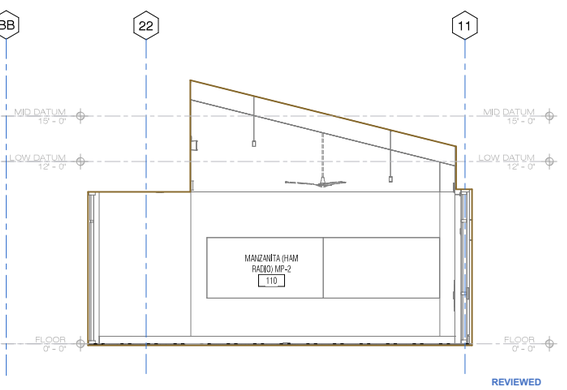
7N
7N A7-1 **EOC - MANZANITA 110 (MP-2) HAM RADIO RM**
1/4" = 1'-0"



7E



7S



7W

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
~~TRD AND ASSOCIATES~~

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

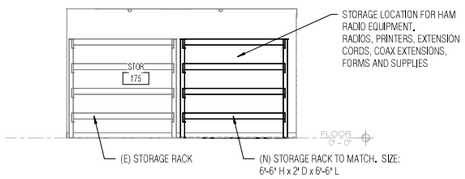
SHEET TITLE

EOC INTERIOR ELEVATIONS - MP1, MP2 & MEETING ROOMS

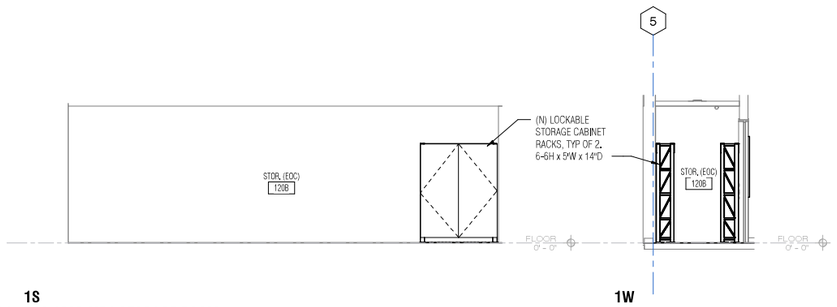
SHEET NUMBER

A7-1

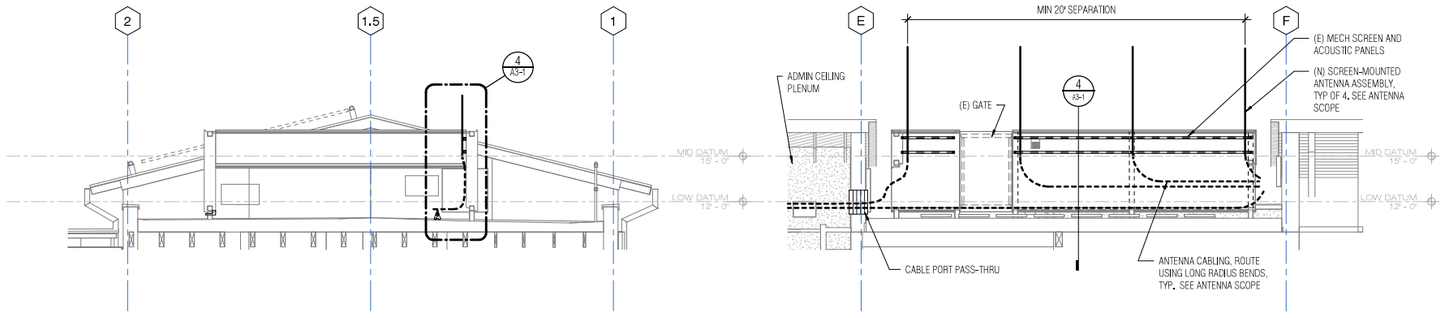
11/14/2023 2:30:42 PM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt



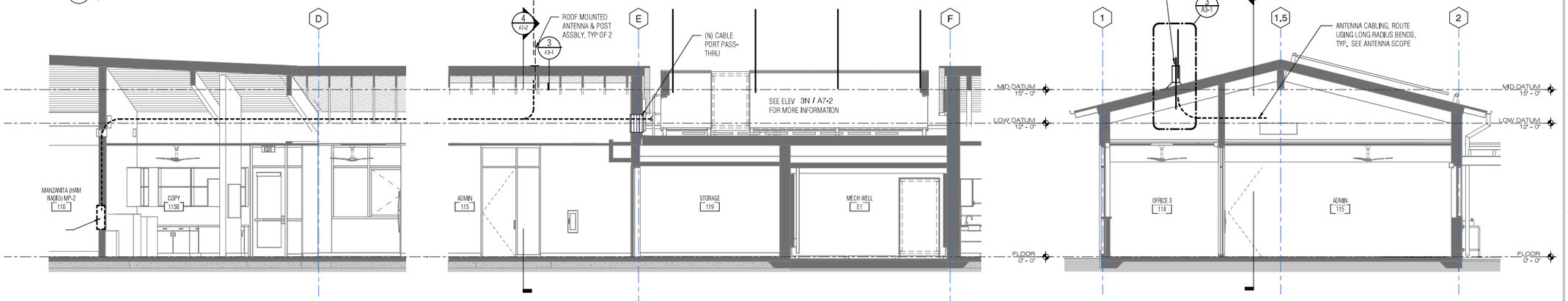
2 A7-2 **EOC 175 - E**
1/4" = 1'-0"



1S A7-2 **EOC 120B MP1 STORAGE ROOM**
1/4" = 1'-0"

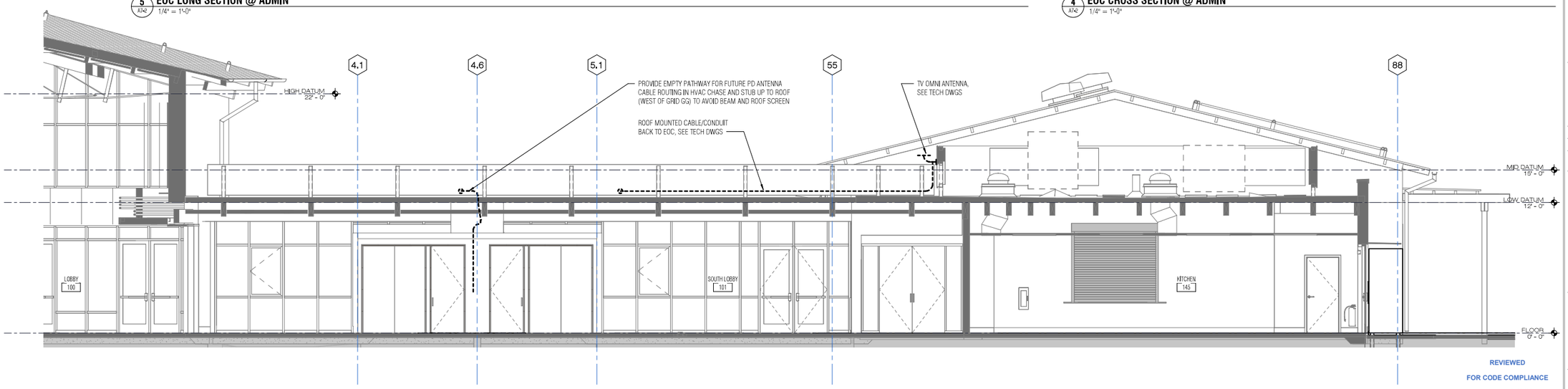


3W A7-2 **EOC ROOF MECH - W**
1/4" = 1'-0"



5 A7-2 **EOC LONG SECTION @ ADMIN**
1/4" = 1'-0"

4 A7-2 **EOC CROSS SECTION @ ADMIN**
1/4" = 1'-0"



6 A7-2 **EOC LONG SECTION @ SOUTH LOBBY**
1/4" = 1'-0"

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

SHEET NOTES

1. REFER TO ELECTRICAL TELECOM AND RADIO/ANTENNA DRAWINGS FOR ADDITIONAL INFORMATION/SCOPE.
2. PROTECT IN PLACE EXISTING ITEMS NOT INDICATED TO BE REMOVED.
3. PROVIDE PATCH AND REPAIR OF EXISTING FINISHES IN KIND WHERE AFFECTED BY WORK.
4. REPAIR PENETRATIONS TO MAINTAIN EXISTING FIRE RATINGS.

KEYNOTE LEGEND

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL
LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
EOC INTERIOR ELEVATIONS - STORAGE & ROOF AREAS

SHEET NUMBER
A7-2

11/14/2023 2:39:51 PM Autodesk Docs://Los Altos EOC/COLAEOC_ArchCentral_2023.rvt

(E) ROOM FINISH SCHEDULE (EOC) - FOR REFERENCE ONLY

#	Name	Counter Material	Casework Material	Casework Comments	Floor Finish	Base Finish	Ceiling Finish	Ceiling 2 (Soffit) Finish	Wall Finishes				Comments	RoomUse	#
									Wall North	Wall East	Wall South	Wall West			
100	LOBBY	-			POLISHED CONCRETE [CONC 1] / ACCENT CARPET [CP2]	6" WOOD	[WD1] ACOUSTIC WOOD PANELIZED PLANK CEILING, [PT-4] ABOVE	[WD2] WOOD GRILLE	PT-1 HIGH / PT-6,1 LOW, FWP-1	[WD2] WOOD GRILLE	PT-1 HIGH / PT-6,1 LOW, FWP-1	[WD2] WOOD GRILLE	SPLIT PAINT COLOR AT SOFFIT. HM DOOR FRAME PAINTED TO MATCH ADJACENT WALL [PT-1]		100
101	SOUTH LOBBY	-			POLISHED CONCRETE [CONC 1] / ACCENT CARPET [CP3]	6" WOOD	[WD1] ACOUSTIC WOOD PLANK AT HIGH CEILING [PT-4] ABOVE	[WD2] WOOD GRILLE AT LOW CEILING	WOOD SIDING AT GL 44	PT-1	-	PT-1, PT-6,2	SEATING NOOKS HAVE WOOD GRILLE SCREEN WALLS. ACCENT PAINT AS SHOWN ON A9.11. HM DOOR FRAMES PAINTED TO MATCH ADJACENT WALL [PT-1]		101
104	RECEP	QUARTZ	WOOD	Reception Desk - Wood, see A6.82	CARPET 1 [CP1] OVER POLISHED CONCRETE [CONC-1]	6" WOOD	-	[WD2] WOOD GRILLE	PT-1 HIGH / PT-6,1 LOW	[WD2] WOOD GRILLE	-	PT-6,1			104
105	CONF.	-			CARPET 1 [CP1]	6" WOOD	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	[WD2] WOOD GRILLE			105
110	MP 2	-			POLISHED CONCRETE [CONC-1]	6" WOOD	[MTL1] EXPOSED ACOUSTICAL METAL DECK	[WD2] WOOD GRILL	PT-1	PT-1	PT-1	PT-1			110
115	ADMIN	CORIAN	PLAM	AV for Conf. Room in Admin Area	CARPET 1 [CP1]	4" RESILIENT	[ACT1] (2X2)	GYPSUM BOARD [PT-2]	PT-1	PT-1	PT-1	PT-1	COORDINATE LAYOUT PATTERN OF CARPET AND CEILING TILE WITH BREAK ALONG GRIDLINE DD. HM DOOR FRAME PAINTED TO MATCH ADJACENT WALL [PT-1]		115
115A	COFFEE	CORIAN	PLAM	Sink	CARPET 1 [CP1]	4" RESILIENT	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	PT-1			115A
115B	COPY	CORIAN	PLAM	Open Cabinets	CARPET 1 [CP1]	4" RESILIENT	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	PT-1	COORDINATE LAYOUT PATTERN OF CARPET AND CEILING TILE WITH BREAK ALONG GRIDLINE DD.		115B
116	OFFICE 1	-			CARPET 1 [CP1]	4" RESILIENT	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	PT-1			116
117	OFFICE 2	-			CARPET 1 [CP1]	4" RESILIENT	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	PT-1			117
118	OFFICE 3	-			CARPET 1 [CP1]	4" RESILIENT	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	PT-1			118
119	STORAGE	-		METAL SHELVING	RESILIENT [RS1]	4" RESILIENT	[ACT1] (2X2)	-	PT-1	PT-1	PT-1	PT-1	HM DOOR FRAME PAINTED TO MATCH ADJACENT WALL [PT-1]		119
120	MP 1	-	-		CARPET 1 [CP1]	4" RESILIENT	[MTL1] EXPOSED ACOUSTICAL METAL DECK	[WD2] WOOD GRILLE/ GYPSUM BOARD [PT-2]	PT-1	PT-1	PT-1	PT-1	HM DOOR FRAME PAINTED TO MATCH ADJACENT WALL [PT-1]		120
120A	STOR	CORIAN	PLAM	Sink, AV in Lower Cabinet	CARPET 1 [CP1]	4" RESILIENT	GYPSUM BOARD [PT-2]	-	PT-1	PT-1	PT-1	PT-1			120A
120B	STOR.	-			CARPET 1 [CP1]	4" RESILIENT	GYPSUM BOARD [PT-2]	-	PT-1	PT-1	PT-1	PT-1			120B
121	MTG	-	WOOD	HVAC unit in Casework	CARPET 1 [CP1]	4" RESILIENT	[FAC] STRETCHED FABRIC CEILING	-	PT-1	PT-1	PT-1	PT-1			121
122	MTG	-	WOOD	HVAC unit in Casework	CARPET 1 [CP1]	4" RESILIENT	[FAC] STRETCHED FABRIC CEILING	-	PT-1	PT-1	PT-1	PT-1			122
123	W	QUARTZ	-	Sinks	CERAMIC FLOOR TILE [CT1]	NA - ELIMINATED PER ASI-051	WASHABLE GYPSUM BOARD [PT-5,2]	-	CT-2 TO + 7'-2" AFF	CT-2 TO +7'-2" AFF	CT-2 TO +7'-2" AFF	CT-2 TO +7'2" AFF	PROVIDE FULL-HT WATER RESISTANT GWB TO CEILING, TYP AT CERAMIC TILE. PAINT ABOVE CT [PT-5,1]		123
124	M	QUARTZ	-	Sinks	CERAMIC FLOOR TILE [CT1]	NA - ELIMINATED PER ASI-051	WASHABLE GYPSUM BOARD [PT-5,2]	-	CT-2 TO + 7'-2" AFF	CT-2 TO +7'-2" AFF	CT-2 TO +7'-2" AFF	CT-2 TO +7'2" AFF	PROVIDE FULL-HT WATER RESISTANT GWB TO CEILING, TYP AT CERAMIC TILE. PAINT ABOVE CT [PT-5,1]		124
125	ELEC.	-			BF CONCRETE [CONC-2]	4" RESILIENT	GYPSUM BOARD - 2HR	-	-	-	-	-	TAPE AND PRIME		125
126	IT/TELE	-			ANTI STATIC [AN-ST]	4" RESILIENT	[MTL2] EXPOSED STRUCTURE	-	-	-	-	-	TAPE AND PRIME		126
130	SENIOR 1	-			CARPET 1 [CP1]	4" RESILIENT	[MTL1] EXPOSED ACOUSTICAL METAL DECK	GYPSUM BOARD [PT-2]	PT-1	PT-1 / PT-6,3 AT ENTRY	PT-1 HIGH / PT-6,3 LOW	PT-1 / PT6,3 LOW	ACCENT PAINT PER A9.11. HM DOOR FRAMES PAINTED TO MATCH ADJACENT WALLS [PT-1]		130
130A	STOR	-			CARPET 1 [CP1]	4" RESILIENT	GYPSUM BOARD [PT-2]	-	PT-1	PT-1	PT-1	PT-1	HM DOOR FRAMES PAINTED TO MATCH ADJACENT WALLS [PT-1]		130A
143	RISER	-			BF CONCRETE [CONC-2]	4" RESILIENT	[MTL2] EXPOSED STRUCTURE	-	PT-1	PT-1	PT-1	PT-1			143
144	ACCESS	-			BF CONCRETE [CONC-2]	4" RESILIENT	[MTL2] EXPOSED STRUCTURE	-	PT-1	PT-1	PT-1	PT-1			144
145A	STOR	-	-	Kitchen Shelving - Stainless Steel	EPOXY [EPX]	6" INTEGRAL COVE EPOXY	[ACT3] WASHABLE ACOUSTIC CEILING TILE	-	PT-5,1	PT-5,1	PT-5,1	PT-5,1			145A
155	STOR.	-			BF CONCRETE [CONC-2]	4" RESILIENT	[MTL2] EXPOSED STRUCTURE	-	PT-1	PT-1	PT-1	PT-1	HM DOOR FRAME PAINTED TO MATCH ADJACENT WALL [PT-1]		155
156	MECH ACCESS ATTIC				PLYWOOD	-	[MTL2] EXPOSED STRUCTURE	-							156
157	ELEC	-			BF CONCRETE [CONC-2]	4" RESILIENT	GYPSUM BOARD - 1HR	-	-	-	-	-	TAPE AND PRIME		157
170A	STOR	-		Owner Furnished Storage Shelves	RESILIENT [RS1]	4" RESILIENT	GYPSUM BOARD [PT-2]	-	PT-1	PT-1	PT-1	PT-1	HM DOOR FRAMES PAINTED TO MATCH ADJACENT WALLS [PT-1]		170A
171A	SHOWER	-			CERAMIC TILE [CT-5]	NA - ELIMINATED PER ASI-051	WASHABLE GYPSUM BOARD [PT-5,2]	-	CT-3 TO + 7'-2" AFF	CT-3 TO +7'-2" AFF	CT-3 TO +7'-2" AFF	CT-3 TO +7'-2" AFF	PROVIDE FULL-HT WATER RESISTANT GWB TO CEILING, TYP AT CERAMIC TILE. PAINT ABOVE CT [PT-5,1], HM DOOR FRAME PAINTED TO MATCH ADJACENT WALL [PT5,1]		171A
173	ELEC	-			BF CONCRETE [CONC-2]	4" RESILIENT	[MTL2] EXPOSED STRUCTURE	-	-	-	-	-	TAPE AND PRIME		173
175	STOR	-		Owner Furnished Storage Shelves	RESILIENT [RS1]	4" RESILIENT	GYPSUM BOARD [PT-2]	-	PT-1	PT-1	PT-1	PT-1	HM DOOR FRAMES AND DOORS PAINTED TO MATCH ADJACENT WALLS [PT-1]		175

SECTION 03 30 00 - CONCRETE

CF-1 BOARD-FORMED CONCRETE

SECTION 03 35 44 - POLISHED CONCRETE FINISHING

CONC-1 AGGREGATE EXPOSURE: MEDIUM COURSE
GLOSS APPEARANCE: HIGH GLOSS
PRODUCT INSTALLED:

SECTION 06 20 00 - FINISH CARPENTRY

WOOD WALL BASE
WD-1: LOCATION: NOT USED
COLOR AND FINISH: MATCH EXISTING
HEIGHT: 4"

SECTION 06 41 00 - ARCHITECTURAL WOODWORK

PLASTIC LAMINATE:
PL-1: LOCATION: PER SCHEDULE
MANUFACTURER: WILSONART
COLOR: BURNISHED CHESTNUT, 4796-60
FINISH / TEXTURE: TBD

WOOD VENEER:
WV-1: LOCATION: PER SCHED (LOBBY, MTG RMS 121 & 122)
SPECIES: WESTERN RED CEDAR
GRADE & CUT: PREMIUM GRADE
VENEER MATCHING: BOOK MATCH
STAIN COLOR & SHEEN: TBD

SOLID WOOD:
TRIM & BASE: LOCATION: WALL TRIM IN LOBBY AND WOOD BASE
SPECIES: WESTERN RED CEDAR
GRADE & CUT: PREMIUM GRADE, QUARTER SAWN
FINISH: CLEAR

SECTION 06 83 16 - FIBERGLASS REINFORCED PANELING

PLASTIC PANELING
FRP-1: MANUFACTURER: MARLITE
PRODUCT: CLASS A FRP PANELS
SURFACE FINISH: SMOOTH
COLOR: MANUFACTURER'S STANDARD WHITE

SECTION 07 31 13 - ASPHALT SHINGLES

R-1 MANUFACTURER: GAF
PRODUCT: TIMBERLINE HD REFLECTOR SERIES
COLOR:
SRI VALUE: 39

SECTION 07 42 09 - EXTERIOR ACOUSTIC ROOF SCREEN PANELS

MANUFACTURER: IAC NOISE CONTROL
PRODUCT: NOISHIELD SLIMLINE, SURFACE MOUNTED
THICKNESS: 2-1/2-INCHES
FINISH: POWDER COATED
COLOR: FROM MANUFACTURERS STANDARD FULL RANGE
NRC: 0.90

SECTION 07 42 53 - FIBER CEMENT RAINSCREEN PANELS

FIBER CEMENT WALL PANEL
MANUFACTURER: EQUITONE
MODULAR SIZE VARIES
THICKNESS: 1/2-INCH
FINISH: SMOOTH & TEXTURED
JOINTS: FLUSH, OPEN, NO GROUT

SECTION 07 46 23 - WOOD SIDING

SIDING
SPECIES AND GRADE: GRADE A WESTERN RED CEDAR
SURFACE TEXTURE: SANDED
PATTERN: SMOOTH-FACED, T&G OR OPEN JOINT SLATS AS SHOWN IN DWGS
THICKNESS: 1-INCH THICK NOMINAL
FASTENERS: STAINLESS STEEL BUGLE-HEAD SQUARE OR STAR DRIVE SCREWS
ACCESSORIES: STARTER STRIPS, EDGE TRIM, CORNER CAP, TOP CAP AND OTHER ITEMS NEEDED AND AS SHOWN IN DWGS

SECTION 07 46 23 - WOOD SIDING, CON'T

NATURAL OIL WATERBORNE WOOD STAIN
MANUFACTURER TIMBER PRO COATINGS
PRODUCT SYSTEM: LOG AND SIDING SMOOTH FORMULA
FINISH: TRANSPARENT SERIES STAIN (TWO COATS REQ'D & UV TOP COAT)
COLOR: TR 12 WOODLANDS

SECTION 09 24 00 - EXTERIOR CEMENT PLASTERING

BASE COAT SYSTEM: QUICKRETE - ONE COAT FRS & PAREX MESH
PRIMER: PAREX ACRYLIC PRIMER
FINISH: LA HABRA ACRYLIC FINISH
COLOR: ALMOND BEIGE
TEXTURE: TO MATCH EXISTING

SECTION 09 30 00 - CERAMIC TILING

FLOOR TILE
CT-1 MANUFACTURER: MOSA
PRODUCT/SERIES: GLOBAL COLLECTION / GRIPGRIP
MODULAR SIZE: 12 X 12
COLOR: SMALL SPECKLED WARM GREY 76640
FINISH: SMOOTH (V)
GROUT: PRISM #185 NEW TAUPE

WALL TILE
CT-2 MANUFACTURER: MOSA
PRODUCT/SERIES: MURALS LINES
MODULAR SIZE: 15 cm X 15 cm
COLOR: BRIGHT WHITE
FINISH: GLOSS 36510
GROUT: PRISM #381 BRIGHT WHITE

WALL TILE
CT-3 MANUFACTURER: MOSA
PRODUCT/SERIES: GLOBALGRIP
MODULAR SIZE: 6 X 6
COLOR: PLAIN PORCELAIN WHITE #76010V
GROUT: PRISM #381 BRIGHT WHITE

COVE BASE TILE
CT-4 MANUFACTURER: MOSA
PRODUCT: DP 3 X 6 COVE BASE TO MATCH FLOOR TILE
MODULAR SIZE: 3 X 6
COLOR & FINISH:

SECTION 09 51 00 - ACOUSTICAL CEILINGS

ACOUSTICAL TILE CEILINGS:

ACT-1 MANUFACTURER: (BASIS OF DESIGN) ARMSTRONG OR SIM
PRODUCT: DUNE SECOND LOOK II, SCORED TEGULAR
ITEM NO.: 2722
EDGE PROFILE: 9/16" ANGLED TEGULAR
TILE EDGE: SQUARE TEGULAR 9/16
GRID STYLE: TEGULAR 9/16" SUPRAFINE BY ARMSTRONG
SIZE: 2' X 4' X 3/4"
COLOR: WHITE

ACT-2 MANUFACTURER: (BASIS OF DESIGN) ARMSTRONG OR SIM
PRODUCT: ULTIMA
ITEM NUMBER:
EDGE PROFILE: 15/16" BEVELED TEGULAR
SIZE: 18" X 48"
COLOR: WHITE

SECTION 09 54 26 - SUSPENDED WOOD CEILINGS

WOOD VENEER ACOUSTICAL CEILING PLANKS:
WD-1 MANUFACTURER: ARMSTRONG
PRODUCT: L02-800-C-MP-.0552-0
DESCRIPTION LINEAR OPEN SERIES 2 - 8-IN PLANK (MICROPERF)
JOINT: 3/8"
SPECIES: WESTERN RED CEDAR
COLOR / FINISH: CLEAR / SATIN 192277-1
PERF PATTERN: 0.552MM PERF SPACED 2MM O.C. W/ OFFSET ALIGNMENT

SOLID WOOD SLAT PANEL:
WD-2 MANUFACTURER: ACOUSTICAL MATERIALS SERVICES
PRODUCT: QB1-6150-C
DESCRIPTION WOOD GRILLE BACKER SERIES W/ BLACK SCRIM
SIZE:
SPECIES: POPLAR TO MATCH WESTERN RED CEDAR
COLOR / FINISH: SATIN 192277-2

SECTION 09 54 43 - STRECHED FABRIC CEILING SYSTEMS

FAC MANUFACTURER: CONWED
SYSTEM: EUROSPAN
CORE THICKNESS: 1" FIBERGLASS
FABRIC COLOR: CLASSIC WHITE

SECTION 09 65 00- RESILIENT FLOORING & BASE

RESILIENT SHEET FLOORING: (RUBBER)

RS-1 MANUFACTURER: MANNINGTON
PRODUCT: TELES
SIZES: 35" X 35", 17.5" X 35"
COLOR: BEACH STONE
THICKNESS: 1/8"

LVT
RS-2 MANUFACTURER: MANNINGTON
PRODUCT: SPACIA LVT WOOD
COLOR: LIMED WOOD NATURAL 48
SIZE: 7.25" X 48"
THICKNESS: 0.098"

RESILIENT FLOORING (ANTI-STATIC)
RS-2 MANUFACTURER: FLEXCO
PRODUCT: CONDUCTIVE & STATIC DISSIPATIVE SOLID VINYL
COLOR: WHITE /BLUE 69
SIZE: TO MATCH EXISTING
THICKNESS: 1/8"

RESILIENT WALL BASE:

RB-1: MANUFACTURER: BURKE
PRODUCT: TYPE TP - THERMOPLASTIC RUBBER GROUP I
COLOR: 050 MOONBEAM
HEIGHT: 4"
PROFILE: COVED (TOED)

SECTION 09 68 13 - TILE CARPETING

CARPET TILES:
CPT-1: MANUFACTURER: MASLAND
PRODUCT LINE: UNDER THE WIRE
STYLE NO.: T518
COLOR: 51807 SUGGESTIVE
TILE SIZE: 24" X 24"

CPT-2: MANUFACTURER: FLOR
PRODUCT LINE: OASIS RETREAT
SIZE: 19" X 19"
COLOR: MAHOGANY

CPT-3: MANUFACTURER: FLOR
PRODUCT LINE: PALM READER
SIZE: 19" X 19"
COLOR: KALE

CPT-4: MANUFACTURER: FLOR
PRODUCT LINE: SKYFALL
SIZE: 19" X 19"
COLOR: TURQUOISE

FLAMES SPREAD AND SMOKE DEVELOPED

CLASSIFICATION BY OCCUPANCY - SPRINKLERED BUILDING - CBC 803.13

OCCUPANCY	INTERIOR EXIT STAIRS, RAMPS, AND PASSAGE WAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS RAMPS AND STAIRS	ROOMS AND ENCLOSED SPACES
A-2	B	B	C
A-3	B	B	C
B	B	C	C
E	B	C	C
S	C	C	C

CLASS A – FLAME SPREAD INDEX 0-25, SMOKE DEVELOPED INDEX 0 – 450
CLASS B – FLAME SPREAD INDEX 26-75, SMOKE DEVELOPED INDEX 0- 450
CLASS C – FLAME SPREAD INDEX 76-200, SMOKE DEVELOPED INDEX 0-450

SECTION 09 77 23 - FABRIC WRAPPED PANELS

STANDARD FABRIC-WRAPPED PANELS
FWP-1 MANUFACTURER: G&S ACOUSTICS
PRODUCT: ACOUSTI-PANEL (AP1)
EDGE: SQUARE, WRAPPED
FABRIC MANUF: MAHARAM
FABRIC PRODUCT NAME: MESSENGER
FABRIC COLOR: 058 SNOW

TACKABLE WALL PANELS
FWP-2 MANUFACTURER: G&S ACOUSTICS
PRODUCT: ACOUSTI-TACK (ATF)
EDGE: SQUARE, WRAPPED
FABRIC MANUF: CARNEGIE
FABRIC PRODUCT NAME: XOREL
FABRIC COLOR: NEXUS 6425 910

SECTION 09 90 00 - PAINTING AND COATING

TYPICAL INTERIOR PAINT FINISHES:
CEILINGS & SOFFITS: EGGSHELL
WALLS: EGGSHELL
TOILET ROOM WALLS: SEMI-GLOSS
PAINTED DOORS AND FRAMES: SEMI-GLOSS

INTERIOR PAINT COLORS:

PT-1 (GENERAL): DUNN EDWARDS - COOL DECEMBER (TYPICAL WHITE)
PT-2 (LOBBIES): DUNN EDWARDS - CHATROOM
PT-4 (ABOVE CLGS) VERSATILE GRAY
PT-5,2 (WASHABLE): GLOSS, TBD
PT-6 - PT-9 (ACCENTS) TO BE VERIFIED (MATCH EXISTING) ALEUTIAN BLUE (130/140)
SUMMER DAY (165/K)
(EXT EXP DECK) WEB GRAY

SECTION 10 11 00 - VISUAL DISPLAY UNITS

GLASS MARKERBOARD WALLS:

MANUFACTURER: CLARIDGE
PRODUCT: GLASS MARKERBOARDS, ULTRA CLEAR WALL-MTD
FRAME COLOR: NA
SURFACE FINISH: GLASS (MAGNETIC)
COLOR: BRILLIANT WHITE
MOUNTING TYPE: INVISI-MOUNT USING HIDDEN Z-CLIPS

SECTION 11 52 00 - AUDIO VISUAL EQUIPMENT:

DIGITAL LED WALL CLOCK:

MANUFACTURER: PYRAMID TIME SYSTEMS, OR APPROVED EQUAL
PRODUCT: DIG-4B
DIGIT COLOR & SIZE: RED 4" DIGITS
POWER: BATTERY

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

FINISH SCHEDULE LEGEND

NOTES:
1. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION
2. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
3. ALL SURFACES TO BE PAINTED, EXCEPT AS NOTED IN THE SPECIFICATIONS
4. ALL GYPSUM BOARD CEILING PAINT TO BE PAINT TYPE II, UON
5. ALL EXPOSED TO VIEW STRUCTURAL STEEL AND FRAMING SHALL BE PAINTED, UON
6. PROVIDE WATER RESISTANT GYPSUM BOARD WITHIN 2 FT MIN. OF ALL SERVICE SINKS, URINALS, WATER CLOSETS & SHOWERS, AND AS TYPICAL TILE BACKER BEHIND ALL CERAMIC TILE LOCATIONS
7. ALL WALL AND CEILING MATERIALS TO COMPLY WITH 803.13 CBC, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. ALL FLOOR MATERIALS TO COMPLY WITH SECTION 804.1 CBC, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FINISH ABBREVIATIONS AND PAINT SCHEDULE

[ACT1] 24"X24" ACOUSTIC CEILING TILE
[ACT2] 18"X48" ACOUSTIC CEILING TILE
[ACT3] 24"X48" ACOUSTIC CEILING TILE
[AN-ST] ANTI-STATIC FLOORING
[CONC 1] POLISHED, EXPOSED CONCRETE FLOOR
[CONC 2] BROOM FINISHED CONCRETE FLOOR
[CPT1] FIELD CARPET
[CPT2], [CPT3], [CPT4] ACCENT CARPETS
[CT1] CERAMIC FLOOR TILE - TYP.
[CT2] CERAMIC WALL TILE
[CT3] CERAMIC WALL TILE - SHOWER ROOM
[CT4] COVE TILE BASE (ELIMINATED)
[CT5] CERAMIC FLOOR TILE - SHOWER ROOM
[EPX] EPOXY FLOORING
[FAC] STRETCHED-FABRIC CEILING
[MTL1] ACOUSTIC METAL DECK
[MTL2] EXPOSED STRUCTURE
[PLAM] PLASTIC LAMINATE
[PT-#] PAINT - SEE SCHEDULE AT RIGHT
[RS1] RESILIENT FLOORING
[RS2] WOOD-LOOK RESILIENT FLOORING
[RB] 4" RESILIENT BASE
[WD1] ACOUSTIC PLANK
[WD2] WOOD GRILLE
[WF1] WOOD ATHLETIC FLOORING
[WVP] WOOD VENEER PLYWOOD

[PT-1] WALL, STANDARD: EGGSHELL.
- TYPICAL WHITE (DUNN EDWARDS - COOL DECEMBER)

[PT-2] GWB CEILINGS: EGGSHELL
- TYP. WHITE

[PT-3] EXTERIOR HOLLOW METAL DOORS AND FRAMES
- GREY - AS SELECTED FROM MNFR STANDARD COLORS

[PT-4] ABOVE CEILINGS: EGGSHELL/ MATTE
- DARK GREY

[PT-5] AREAS EXPOSED TO MOISTURE (KITCHEN/JC/RR) :
- TYP. WHITE
- 5,1 - GLOSS
- 5,2 - SEMI-GLOSS AT CEILINGS

[PT-6] ACCENT COLORS
- 6,1 - 100 LOBBY ACCENT COLOR
- 6,2 - 101 SOUTH LOBBY ACCENT COLOR
- 6,3 - 130/140 SENIORS' ACCENT COLOR
- 6,4 - 165 KINDERPREP ACCENT COLOR
- 6,5 - 190 EXERCISE ACCENT COLOR

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA
Date signed: 11/14/2023

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS
| | DATE | DESCRIPTION |

SHEET TITLE
FINISH SCHEDULE

SHEET NUMBER
A9-1

11/14/2023 2:30:55 PM Autodesk Docs://Los Altos EOC/LOSALAEOC_Arch_Central_2023.rvt

I. GENERAL NOTES

A. REFER TO SPECIFICATIONS ON THIS SHEET. SPECIFICATIONS TAKE PRECEDENCE OVER THESE GENERAL NOTES IN THE EVENT OF CONFLICT.

B. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, SPECIFICATIONS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BY THE GENERAL CONTRACTOR (HEREAFTER REFEREED TO AS "CONTRACTOR") AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

C. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES PRIOR TO THE START OF AND THROUGHOUT CONSTRUCTION.

D. DO NOT USE SCALED DIMENSIONS. USE WRITTEN DIMENSIONS OR WHERE NO DIMENSION IS PROVIDED, CONSULT WITH THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS BEFORE PROCEEDING WITH THE WORK.

E. DIMENSIONING: THESE DOCUMENTS SHOULD BE CONSIDERED AS A PART OF THE COMPLETE DRAWING SET, INCLUDING DOCUMENTS OF ALL DISCIPLINES. IT IS INTENDED THAT THE STRUCTURAL DRAWINGS PROVIDE SUFFICIENT DIMENSIONS TO LOCATE THE PRIMARY STRUCTURAL ELEMENTS AND MEMBERS WHEN KNOWN. IF NOT PROVIDED, CONSULT WITH ARCHITECT. LOCATION OF SECONDARY MEMBERS, WHICH ARE AFFECTED BY SYSTEMS DETAILED BY OTHERS, MAY REQUIRE REFERENCE TO THE DRAWINGS OF THOSE OTHER DISCIPLINES AND LAYOUT AND COORDINATION BY THE CONTRACTOR. IF DIRECT CONFLICT BETWEEN THE DIMENSIONS OF TWO OR MORE DISCIPLINES IS ENCOUNTERED, SUCH CONFLICT SHALL BE RESOLVED BY THE ARCHITECT.

F. FINISHED FLOOR ELEVATION, FLOOR DEPRESSIONS, ELEVATIONS: IT IS INTENDED THAT SUFFICIENT INFORMATION IS PROVIDED TO DETERMINE THE ELEVATION OF PRIMARY STRUCTURAL MEMBER AND ELEMENTS AND/OR AT CHANGES IN SLOPE WHEN KNOWN. IF NOT PROVIDED, CONSULT WITH ARCHITECT. ELEVATIONS AT POINTS LOCATED BETWEEN PROVIDED ELEVATIONS MAY BE DETERMINED BY INTERPOLATION.

G. DETAILS AND NOTES SHOWN ON THESE DRAWINGS SHALL APPLY AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS. IF APPROPRIATE DETAIL IS NOT CLEAR, CONTACT DAEDALUS.

H. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF BLOCKOUTS, EMBEDDED ITEMS, OPENINGS, SLOPES, DRAINS, PADS, CURBS, ETC. NOT PROVIDED ON THE STRUCTURAL DRAWINGS.

I. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO ALL STRUCTURAL FABRICATIONS. PRIOR TO SUBMITTAL, THE SHOP DRAWINGS SHALL HAVE BEEN STAMPED INDICATING THAT THE CONTRACTOR HAS VERIFIED ALL QUANTITIES, DIMENSIONS, FIELD CONSTRUCTION CRITERIA, MATERIALS, AND OTHER RELEVANT DATA.

J. THE CONTRACTOR MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SUBMITTED TO THE ARCHITECT FOR REVIEW DO NOT CONSTITUTE "IN WRITING". ALL REQUESTS ARE SUBJECT TO REVIEW AND APPROVAL BY THE OWNER.

K. PIPES, DUCTS, SLEEVES, CHASES, ETC. SHALL NOT BE PLACED IN CONCRETE FOUNDATION, SLABS, BEAMS OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NO STRUCTURAL MEMBER WILL BE CUT FOR PIPES, DUCTS, ETC. UNLESS SPECIFICALLY SHOWN. OBTAIN PRIOR WRITTEN APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.

L. THE USE OF NEW CONSTRUCTION FOR THE SUPPORT/STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS IS RESTRICTED TO THE DESIGN CAPACITY OF THE NEW CONSTRUCTION AT THE TIME IT IS TO BE USED FOR SUCH SUPPORT, AS EVALUATED BY A LICENSED CALIFORNIA ENGINEER ENGAGED BY CONTRACTOR. PLACE MATERIAL OR EQUIPMENT SO AS NOT TO EXCEED THE CAPACITY OF INDIVIDUAL ELEMENTS. PROVIDE ADEQUATE SHORING DESIGNED BY A LICENSED CALIFORNIA CIVIL ENGINEER WHERE DESIGN CAPACITY IS NOT SUFFICIENT.

M. ALL CONSTRUCTION SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, 2022 EDITION AS AMENDED BY THE TOWN OF LOS ALTOS AND ALL THE STANDARDS REFERENCED THEREIN: ACI 318, AISC 360, AISC 341, ASCE 7, NDS, ACI 530, AISI, AND ASTM.

II. MEANS AND METHODS

A. THE CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INCLUDE THE MEANS, METHODS, PROCEDURES OR SEQUENCES OF CONSTRUCTION. MAINTAINING AND ENSURING THE INTEGRITY OF THE STRUCTURE AND SAFETY OF PERSONNEL THROUGHOUT THE CONSTRUCTION PERIOD IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, GUYS, AND BRACING. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, REGULATIONS, AND ORDINANCES.

III. DEMOLITION, SHORING AND TEMPORARY LATERAL BRACING

A. SAFETY OF PERSONNEL AND PROPERTY DURING ANY DEMOLITION WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. BEFORE DEMOLITION BEGINS, THE CONTRACTOR SHALL INSPECT EXISTING CONSTRUCTION TO IDENTIFY DEFECTS AND STRUCTURAL WEAKNESSES WHICH MAY AFFECT THE CONSTRUCTION SAFETY. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT ALL DEFECTS AND WEAKNESSES ARE REMEDIED PRIOR TO PROCEEDING WITH THE DEMOLITION. THE STRUCTURAL ENGINEER MAKES NO REPRESENTATION AS TO STRUCTURAL INTEGRITY OF EXISTING STRUCTURES.

B. THE CONTRACTOR SHALL REVIEW THE NEED FOR TEMPORARY SHORING AND BRACING PRIOR TO DEMOLITION OR ERECTION OF WALLS, FLOORS, ROOFS, ETC.. NOTES REFERRING TO SHORING ON DRAWINGS DO NOT INCLUDE ALL SHORING NECESSARY TO SAFELY COMPLETE THE WORK.

IV. HAZARDOUS MATERIALS IN EXISTING CONSTRUCTION

DAEDALUS ASSUMES NO RESPONSIBILITY FOR THE MANAGEMENT OF HAZARDOUS MATERIALS THAT MAY BE ON THE SITE OR WITHIN EXISTING BUILDINGS.

A. DAEDALUS HAS NOT PERFORMED INVESTIGATIONS TO DETERMINE THE PRESENCE OF HAZARDOUS MATERIALS. THE OWNER WILL PROVIDE THE RESULTS OF SUCH INVESTIGATIONS IF THEY HAVE BEEN PERFORMED.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT PERSONNEL WITHIN THE WORK AREA ARE PROTECTED FROM EXPOSURE TO HAZARDOUS MATERIALS. IF HAZARDOUS MATERIALS ARE DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND CEASE WORK UNTIL CONDITIONS CAN BE MAINTAINED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

V. SUBMITTALS

THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO THE START OF CONSTRUCTION, ALLOWING FOR AT LEAST TWO (2) WEEKS, OR TEN (10) BUSINESS DAYS FOR REVIEW. ALLOW ADDITIONAL TIME IF PROCESSING MUST BE DELAYED TO PERMIT COORDINATION WITH SUBSEQUENT SUBMITTALS, OR THE SUBMITTAL IS SUBSTANTIAL IN SIZE PROVIDED FABRICATION TIME IS NOT BE IMPACTED. ALLOW AN ADDITIONAL TWO WEEKS FOR REPROCESSING OF SUBMITTALS, UNLESS FABRICATION TIME WILL BE IMPACTED.

a. REINFORCING STEEL MATERIAL TEST REPORTS
b. REINFORCING STEEL SHOP DRAWINGS
c. CONCRETE MIX DESIGN FOR EACH CLASS OF CONCRETE WHICH SHALL INCLUDE:
  i. LABORATORY TEST REPORT FOR CONCRETE MIXES
  ii. MATERIAL CERTIFICATES FOR CONCRETE MATERIALS, INCLUDING CEMENTS, AGGREGATES, AND ADMIXTURES
  iii. PRODUCT DATA FOR FOR PROPRIETARY MATERIALS AND ITEMS
d. STRUCTURAL STEEL SHOP DRAWINGS
e. WELDING PROCEDURE SPECIFICATION

VI. QUALITY ASSURANCE

A. THE OWNER SHALL EMPLOY QUALIFIED SPECIAL INSPECTORS, ACCEPTABLE TO THE ENFORCEMENT AGENCY AND TO PERFORM INSPECTIONS IN ACCORDANCE WITH SECTIONS 104.4, 110, AND CHAPTER 17 OF THE CBC. THE ITEMS REQUIRING SPECIAL INSPECTION ON THIS PROJECT INCLUDE THE FOLLOWING:

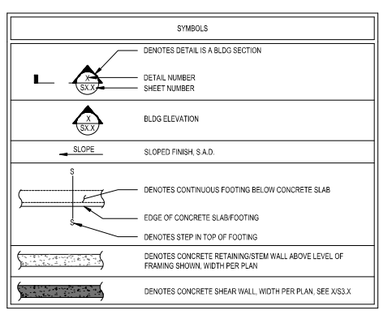
1. ENGINEERED FILL
2. STRUCTURAL EXCAVATION
3. CONCRETE REINFORCING STEEL PLACEMENT
4. CONCRETE PLACEMENT
5. WOOD FRAMING (HOLD DOWN, TIE DOWN AND ALL OTHER SEISMIC CONNECTORS)
6. INSTALLATION & TESTING OF EXPANSION ANCHORS & ANCHORS IN CHEMICAL ADHESIVE.

B. SPECIAL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED INSPECTIONS. INSPECTORS WILL THOROUGHLY REVIEW APPLICABLE PORTIONS OF THE CONSTRUCTION DOCUMENTS. INSPECTORS WILL PERFORM ALL DUTIES AND RESPONSIBILITIES AS REQUIRED BY CBC SECTIONS 104.4, 110, AND CHAPTER 17.

C. THE STRUCTURAL ENGINEER WILL PERIODICALLY REVIEW THE PROGRESS OF THE WORK FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. HOWEVER, THIS REVIEW SHALL NOT BE CONSTRUED AS SPECIAL INSPECTION. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER FOR STRUCTURAL OBSERVATIONS OF THE FOLLOWING ITEMS AT LEAST 48 HOURS PRIOR TO PROCEEDING WITH WORK THAT WOULD PREVENT OBSERVATION, UNLESS OTHERWISE NOTED.
  1. FOUNDATION EXCAVATIONS AND REINFORCING STEEL PLACEMENT (PRIOR TO CONCRETE PLACEMENT)
  2. REINFORCING STEEL FOR MASONRY WALLS (PRIOR TO PLACEMENT OF MASONRY BLOCKS)
  3. WOOD FRAMED WALLS (PRIOR TO INSTALLING PLYWOOD OR FINISHES ON THE SECOND SIDE)
  4. THE COMPLETE STRUCTURAL SYSTEMS (PRIOR TO INSTALLING ARCHITECTURAL FINISHES)

D. THE GEOTECHNICAL ENGINEER OF RECORD WILL OBSERVE ALL PAD CONSTRUCTION, PLACEMENT/COMPACTION OF ENGINEERED FILL, BOTTOM OF FOUNDATION EXCAVATION, JUST PRIOR TO CONCRETE PLACEMENT AND PIER EXCAVATIONS DURING DRILLING TO VERIFY COMPLIANCE WITH THE INTENT OF THE GEOTECHNICAL INVESTIGATION.

SYMBOLS



VII. ABBREVIATIONS

THE FOLLOWING ABBREVIATIONS MAY BE USED IN THESE DRAWINGS TO DENOTE THE WORDS INDICATED.

℄	CENTERLINE
°	DEGREES
ϕ	DIAMETER
(E)	EXISTING
(N)	NEW
# OR NO.	NUMBER
⊥	PERPENDICULAR
ℙ, ℙ's	PLATE(S)
±	PLUS OR MINUS
W/	WITH
W/O	WITHOUT
A.B.	ANCHOR BOLT
ABV.	ABOVE
ADD.	ADDITIONAL
ADJ.	ADJACENT
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH	ARCHITECT
BLDG	BUILDING
BLK'G	BLOCKING
BLW	BELOW
BM	BEAM
B.N.	BOUNDARY NAIL
B.O.	BY OTHERS
BOTT.	BOTTOM
B..S.	BOTTOM OF STEEL
BRN'G	BEARING
BTWN	BETWEEN
CANT.	CANTILEVER
CENT., CTR	CENTER
C.F.S.	COLD-FORMED STEEL
C.I.P.	CAST-IN-PLACE
CLR	CLEAR
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
DBL	DOUBLE
DET.	DETAIL
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DN	DOWN
DWG, DWG'S	DRAWING(S)
EA.	EACH
E.F.	EACH FACE
EL.	ELEVATION
EMBED.	EMBEDMENT, EMBEDDED
E.O.S.	EDGE OF SLAB
E.O.R.	ENGINEER OF RECORD
EQ.	EQUAL
EQUIV.	EQUIVALENT
ETC.	ETCETERA
E.W.	EACH WAY
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
FDN	FOUNDATION
F.F.	FINISHED FLOOR
F.G.	FINISH GRADE
FIN.	FINISH
FLR	FLOOR
F.O.C.	FACE OF CONCRETE
FRM'G	FRAMING
F.S.	FAR SIDE
FT	FOOT OR FEET
FTG	FOOTING
GA.	GAUGE, GAGE
GR.	GRADE
H.D.	HOLDOWN
HK	HOOK
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HT	HEIGHT
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
LONG.	LONGITUDINAL
L.P.	LOW POINT
L.W.	LIGHT WEIGHT
MAX.	MAXIMUM
MFR	MANUFACTURER
MID.	MIDDLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N	NORTH
N.F.	NEAR FACE
N.I.H.	NOT-IN-CONTRACT
N.S.	NEAR SIDE
N.T.S.	NOT-TO-SCALE
N.W.	NORMAL WEIGHT
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
O.H.	OPPOSITE HAND
OP'G	OPENING
OPT.	OPTIONAL
OPP.	OPPOSITE
P.A.F.	POWDER-ACTUATED FASTENER
PEN.	PENETRATION
PERP.	PERPENDICULAR
P.L.	PROPERTY LINE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P/T	POST-TENSIONED
P.T.	PRESSURE TREATED
P.T.D.F.	PRESSURE TREATED DOUGLAS-FIR
RAD.	RADIUS
RE:	REGARDING
RECT.	RECTANGLE
REF.	REFER, REFERENCE
REINF.	REINFORCING
REQ'D, REQ'S	REQUIRED, REQUIREMENTS
RET.	RETAINING
REV.	REVISION
S.A.F.	SEE ARCHITECTURAL DRAWINGS
S.C.D.	SEE CIVIL DRAWINGS
SCH., SCHED.	SCHEDULE
SHT'G	SHEATHING
SHR	SHEAR
SHT	SHEET
SIM.	SIMILAR
S.L.D.	SEE LANDSCAPE DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
S.O.G.	SLAB-ON-GRADE
SPC'G	SPACING
SPEC.	SPECIFICATION
SQ.	SQUARE
STD	STANDARD
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.FTG.	TOP OF FOOTING
T.O.STL	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U..N.	UNLESS OTHERWISE NOTED
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
WRTO	WITH RESPECT TO

I. DESIGN CRITERIA

A. APPLICABLE CODE: CALIFORNIA BUILDING CODE, 2022 EDITION AS AMENDED BY THE TOWN OF LOS ALTOS.

B. VERTICAL LOADS:

1. DEAD LOADS	
METAL ROOF SCREEN AND BMS	5.0 PSF
CONCRETE WALLS	200 PSF
2. LIVE LOADS	
ROOF	20.0 PSF

C. LATERAL LOADS:

1. SEISMIC		
RISK CATEGORY	IV	
SEISMIC IMPORTANCE FACTOR (Ie)	1.5	
SITE CLASSIFICATION	D	
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE (ELF)	
MAPPED SPECTRAL RESPONSE PARAMETERS		
SHORT PERIOD (Ss)	2.098	
LONG PERIOD (S1)	0.751	
SITE COEFFICIENTS		
SHORT PERIOD (Fa)	1.0	
LONG PERIOD (Fv)	1.7	
DESIGN SPECTRAL RESPONSE PARAMETERS		
SHORT PERIOD (SDS = ⅔Ss x Fa)	1.399	
REDUNDANCY FACTOR (ρ)	1.0	
FREE STANDING WALLS, OPEN STRUCTURE	0.84Wp 28.7 KIPS [F_p=0.4*SDS*I_e*W_p]	
2. WIND		
DESIGN WIND SPEED	102 MPH	
RISK CATEGORY	IV	
EXPOSURE CATEGORY	B	
FREE STANDING WALLS, OPEN STRUCTURE:		
MAXIMUM WIND LOAD [LRFD]	33.2 PSF	(CASE A & B)
	58.9 PSF	(CASE C UNREDUCED, MAX)
	39.7 PSF	(CASE C REDUCED, MAX)
OPEN ROOF SCREEN:		
MAXIMUM WIND LOAD [LRFD]	4.0 PSF (75% OPEN ROOF SCEEN)	

II. FOUNDATION DESIGN

A. GEOTECHNICAL RECOMMENDATIONS: AS PRESENTED IN A REPORT TITLED, "GEOTECHNICAL DESIGN REPORT, LOS ALTOS HILLVIEW COMMUNITY CENTER"; PREPARED BY CE&G ENGINEERS, INC. (PROJECT NO. 171980.001), 6455 ALMADEN EXPRESSWAY, STE. 100, SAN JOSE, CA 95120, PHONE: 408.440.4542 AND DATED APRIL 5, 2018.

B. ALLOWABLE RESISTANCE (VERTICAL)	
1. SHALLOW FOUNDATION (PSF)	
DEAD + LIVE	3000
DEAD + LIVE + SEISMIC	4000
C. DIFFERENTIAL SETTLEMENT	
LONG TERM	<1" TOTAL AND ½" OVER 25 FEET
D. ALLOWABLE RESISTANCE (LATERAL)	
1. COEFFICIENT OF FRICTION	EQUAL TO 0.35
2. PASSIVE RESISTANCE	
EQUIVALENT FLUID PRESSURE	350 PCF

E. REFER TO SOILS REPORT FOR DETAILED RECOMMENDATIONS.

III. CAST-IN-PLACE CONCRETE SPECIFICATIONS

A. GENERAL:

1. CODE: COMPLY WITH ACI 318-19

B. SUBMITTALS

1. SUBMIT THE FOLLOWING TO THE ARCHITECT FOR REVIEW U.O.N.
2. SUBMIT MIX DESIGN FOR EACH CONCRETE "MIX ID" TO THE ARCHITECT AND OWNER'S INSPECTION AND TESTING LABORATORY.
3. COMPRESSION TEST DATA (FIELD EXPERIENCE METHOD) USED TO ESTABLISH MIX PROPORTIONS.
4. SUBMIT DELIVERY TICKETS TO OWNER'S TESTING LABORATORY AND ARCHITECT FOR EACH BATCH OF CONCRETE DELIVERED TO THE JOB SITE, BEARING THE FOLLOWING INFORMATION. REFER TO QUALITY ASSURANCE PARAGRAPH.
   a. MIX IDENTIFICATION, WEIGHT OF CEMENT, AGGREGATE, ADMIXTURES, WATER ADDED AT THE BATCH PLANT, WATER ADDED AT SITE (ONLY WITH ENGINEERS APPROVAL).
5. LABORATORY COMPRESSION TEST REPORTS FOR CONCRETE MIXES.

C. CONCRETE MATERIALS

1. ALKALI SILICA REACTIVITY: COMPLY WITH ONE OF THE FOLLOWING:
   a. AGGREGATES ARE DETERMINED TO BE NON-REACTIVE: ASTM C1260 14-DAY EXPANSION LESS THAN OR EQUAL TO 0.10% OR ASTM C1293 1-YEAR EXPANSION LESS THAN OR EQUAL TO 0.04%
   b. AGGREGATE AND CEMENTITIOUS MATERIALS COMBINATION DETERMINED TO BE INNOCUOUS: ASTM C1567 14-DAY EXPANSION LESS THAN OR EQUAL TO 0.10%
   c. ALKALI CONTENT IN CONCRETE: FOR AGGREGATE WITH C1260 EXPANSION BETWEEN 0.1 AND 0.3 PERCENT OR C1293 EXPANSION BETWEEN 0.04 AND 0.12 PERCENT – CONCRETE ALKALI CONTENT SHALL BE LESS THAN 4 LB/YD3; FOR AGGREGATE WITH C1260 EXPANSION BETWEEN 0.3 AND 0.45 PERCENT OR C1293 EXPANSION BETWEEN 0.12 AND 0.24 PERCENT – CONCRETE ALKALI CONTENT SHALL BE LESS THAN 3 LB/YD3. ALKALI CONTENT IS DETERMINED BY WEIGHT OF PORTLAND CEMENT CONTENT IN MIXTURE MULTIPLIED BY THE EQUIVALENT ALKALI CONTENT OF PORTLAND CEMENT.

C. CONCRETE MATERIALS (CONT.)

2. CEMENTITIOUS MATERIAL: AN INTIMATE BLEND OF PORTLAND CEMENT AND FLY ASH AND/OR SLAG OR OTHER SUPPLEMENTARY CEMENTITIOUS MATERIALS (SCM).
   a. PORTLAND CEMENT: ASTM C150, TYPE II, LOW ALKALI (U.O.N.)
   b. FLY ASH: ASTM C618, CLASS F, EXCEPT MAXIMUM LOSS ON IGNITION SHALL BE 2.5%
   c. GROUND GRANULATED BLAST FURNACE SLAG (SLAG): ASTM C989, GRADE 120 OR GRADE 100
   d. FLY ASH AND/OR SLAG CONTENT SHALL BE AS SPECIFIED IN THE SCHEDULE OF CONCRETE MIXES.
3. FINE AND COARSE AGGREGATES FOR NORMAL WEIGHT CONCRETE: ASTM C33, STANDARD AGGREGATES TO COMPLY WITH CBC SECTION 1903.1 AND ACI SECTION 3.3.
   a. SAND EQUIVALENT SHALL NOT BE LESS THAN 75 WHEN TESTED IN ACCORDANCE WITH CALIFORNIA CALTRANS TEST 217.
   b. COARSE AGGREGATE: CLEANNESS VALUE SHALL NOT BE LESS THAN 75 WHEN TESTED IN ACCORDANCE WITH CALIFORNIA CALTRANS TEST 227.
   c. COARSE AGGREGATE FOR SHRINKAGE CONTROLLED CONCRETE: GRANITE OR LIMESTONE FROM RELIABLE SOURCE WITH PROVEN HISTORY OF USE IN SHRINKAGE CONTROLLED CONCRETE.
4. WATER REDUCING ADMIXTURE: PERMITTED TO FACILITATE CONCRETE PLACEMENT. ASTM C494, TYPE A.
5. HIGH RANGE WATER REDUCING ADMIXTURE: USE IF SPECIFIED. ASTM C494, TYPE F OR G.
6. AIR ENTRAINMENT: ASTM C260. DO NOT EXCEED 4%.
7. GRANULAR BASE: ¾" CLEAN CRUSHED ROCK WITH NO MORE THAN 5% PASSING NO. 200 SIEVE.
8. VAPOR RETARDER: STEGOWRAP BY STEGO IND., ASTM E1745, Class A, 15 MIL.
9. MAT FOUNDATION AND RETAINING WALL WATER PROOFING. SEE ARCHITECTURAL DRAWINGS FOR RECOMMENDATIONS.
10. SAND: CLEAN 100% PASSING NO. 4 AND 5% MAX PASSING NO. 200 SIEVES.
11. LIQUID MEMBRANE-FORMING CURING COMPOUND: ASTM C309, TYPE 1B; , CLASS WATER-BASED, DISSIPATING RESIN. PRODUCT: AQUA RESIN CURE BY BURKE CO. OR EQUAL.
12. REINFORCING STEEL: ASTM A615 GRADE 60, TYPICAL.

D. CONCRETE MIXES

1. CONCRETE PROPORTIONING AND PLACEMENT SHALL BE IN ACCORDANCE WITH CBC SECTION 1905 AND APPLICABLE ACI CODES AND STANDARDS.
2. CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY OR BY A RECOGNIZED SUPPLIER.
3. MIX DESIGNS SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF ANY OTHER MINIMUM REQUIREMENTS LISTED HEREIN OR ON THE DRAWINGS. COMPLY WITH CBC SECTION 1905.3.
4. SCHEDULE OF CONCRETE MIXES:

MIX TYPE	USE	STRENGTH	AGGREGATE	SLUMP	REQUIREMENTS
A	MAT SLAB & GRADE BMS.	4000	SIZE 57 (1")	3-5	d.1,.3
B	WALLS	4000	SIZE 57 (1")	3-5	d.1,.3,.4
C	MECHANICAL PADS	3500	SIZE 57 (1")	2-4	d.1,.2

a. STRENGTH: MINIMUM COMPRESSIVE STRENGTH IN PSI AFTER 28 DAYS, EXCEPT STRENGTH AFTER 56 DAYS FOR MIXES CONTAINING SCM, TESTED IN ACCORDANCE WITH ASTM C39.
b. AGGREGATE: COARSE AGGREGATE SIZE NUMBER IN ACCORDANCE WITH ASTM C33 FOR NORMAL-WEIGHT AGGREGATE.
c. SLUMP: MINIMUM-MAXIMUM SLUMP AT POINT OF PLACEMENT IN INCHES WHEN TESTED IN ACCORDANCE WITH ASTM C143. SEE "OTHER REQUIREMENTS" FOR SLUMP WITH HIGH RANGE WATER REDUCER.
d. OTHER REQUIREMENTS (APPLY ONLY AS NOTED IN SCHEDULE OF CONCRETE MIXES):
  d.1. FLY ASH AND/OR SLAG SHALL MAKE UP 25% TO 50% (70% FOR FOOTINGS) OF TOTAL CEMENTITIOUS MATERIAL WITH FLY ASH CONTENT NOT TO EXCEED 25% OF TOTAL CEMENTITIOUS MATERIAL.
  d.2. SHRINKAGE CONTROLLED CONCRETE: USE GRANITE OR LIMESTONE AGGREGATES. PROPORTION MIX TO MINIMIZE DRYING SHRINKAGE.
  d.3. MIX SHALL CONTAIN SPECIFIED HIGH RANGE WATER REDUCING ADMIXTURE (HRWR). THE CONCRETE SHALL BE PROPORTIONED WITHOUT HRWR TO ACHIEVE A SLUMP OF 1 TO 3 INCHES AT THE MIXER. ADD HRWR TO ACHIEVE THE DEGREE OF WORKABILITY NECESSARY FOR PLACEMENT, NOT TO EXCEED 8 INCHES SLUMP AT THE POINT OF PLACEMENT.
  d.4. WATER CEMENT RATIO: MIX SHALL HAVE A WATER TO CEMENTITIOUS MATERIAL RATIO BY WEIGHT NOT EXCEEDING 0.40 FOR SLAB-ON-GRADE AND STRUCTURAL SLAB AND 0.45 FOR WALLS

E. PLACEMENT

1. SPRAY FORMS WITH WATER IMMEDIATELY PRIOR TO CASTING. THOROUGHLY WET SUBGRADE PRIOR TO PLACING FOUNDATION CONCRETE. MOISTEN, BUT DO NOT SATURATE, SAND OR ROCK UNDER SLAB-ON-GRADE OR MAT FOUNDATION BEFORE PLACING CONCRETE.
2. PLACING CONCRETE:
   a. CONSOLIDATE PLACED CONCRETE BY MECHANICAL VIBRATING. NO VIBRATING OF FORM IS ALLOWED. USE EQUIPMENT AND PROCEDURES FOR CONCRETE CONSOLIDATION COMPLYING WITH ACI 309.
3. DELIVERY TICKETS: SUBMIT 1 COPY OF DELIVERY TICKETS, AS REQUIRED BY ASTM C94 CURRENT EDITION, TO THE ARCHITECT.
4. SLAB FINISHES
   a. SLAB-ON-GRADE: AS DIRECTED BY ARCHITECT. OBTAIN WRITTEN DIRECTION PRIOR TO PLACEMENT.
   b. MAT FOUNDATION: AS DIRECTED BY ARCHITECT. OBTAIN WRITTEN DIRECTION PRIOR TO PLACEMENT.
   c. EXTERIOR SLABS: NONSLIP BROOM.

F. CURING AND PROTECTION

1. GENERAL: START INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM THE CONCRETE SURFACE AFTER PLACING AND FINISHING. KEEP CONCRETE CONTINUOUSLY MOIST FOR SEVEN DAYS MINIMUM AFTER PLACEMENT.
2. CURING METHODS: ACCOMPLISH CURING BY MOIST CURING, MOISTURE RETAINING COVER, COMPOUND CURING, OR BY COMBINATION OF THESE METHODS.
3. LIQUID MEMBRANE-FORMING COMPOUND CURING: APPLY COMPOUND AS SOON AS FINAL FINISHING OPERATIONS ARE COMPLETE (WITHIN 1 HOUR AFTER SURFACE SHEEN HAS DISAPPEARED). UNIFORMLY APPLY TWO COATS OF COMPOUND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

G. CONSTRUCTION OR SAWCUT JOINTS

1. IF JOINT PATTERN IS NOT SHOWN FOR SLAB-ON-GRADE, PROVIDE JOINTS TO CREATE APPROXIMATELY SQUARE PANELS NOT EXCEEDING 15 FEET IN BOTH DIRECTIONS AND LOCATED TO CONFORM TO BAY SPACING WHENEVER POSSIBLE. (COLUMN CENTERLINES, HALF BAYS, ETC.)
2. SAWCUT AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATES BEING DISLODGED BY SAW BUT WITHIN 12 HOURS OF PLACEMENT.
3. PERFORM ALL CUTS CLEANLY AND SMOOTHLY TO A CONSTANT AND EQUAL DEPTH IN AS CONTINUOUS AN OPERATION AS POSSIBLE TO AVOID MISALIGNMENT OF JOINTS. USE ONLY EXPERIENCED PERSONNEL AND FORMS OR TEMPLATES AS REQUIRED TO ACHIEVE CONSISTENT STRAIGHT LINES.

H. QUALITY ASSURANCE

1. THE OWNER'S TESTING AND INSPECTION LABORATORY WILL:
   a. REVIEW MIX DESIGNS AND CERTIFICATES OF COMPLIANCE FOR MATERIALS CONTRACTOR PROPOSES TO USE, TWO WEEKS MINIMUM IN ADVANCE OF FIRST POUR.
   b. INSPECT REINFORCING BAR PLACEMENT FOR CONFORMANCE WITH CONSTRUCTION DRAWINGS.
   c. COLLECT AND REVIEW TICKETS FOR EACH BATCH OF CONCRETE DELIVERED TO JOB SITE.
   d. INSPECT CONCRETE PLACEMENT AS REQUIRED BY CBC SECTION 1704.
   e. COMPRESSIVE STRENGTH: TEST CONCRETE FOR COMPRESSIVE STRENGTH IN ACCORDANCE WITH CBC SECTION 1705.3, ASTM C39;

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

IV. EPOXY ADHESIVE SPECIFICATION

1. CONCRETE
   a. EPOXY SHALL BE SIMPSON SET-3G TYPE EPOXY (ICC-ES ESR-4057) INSTALLED IN CONFORMANCE WITH THE MANUFACTURERS SPECIFICATION AND ICC-ES ESR-4057 OR APPROVED EQUAL.

V. NON-SHRINK GROUT SPECIFICATION

1. NON-SHRINK GROUT SHALL BE FLOWABLE, WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT (3) DAYS.
   a. NON-SHRINK GROUT SHALL BE MASTERFLOW 100 AS MANUFACTURED BY BASF MASTER BUILDERS OR APPROVED EQUAL.
2. PLACEMENT
   a. PLACE GROUT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
   b. GROUT SHALL NOT BE PLACED IN LIFTS GREATER THAN 6 INCHES
3. CURING
   a. CURE GROUT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
   b. CURE EXPOSED GROUT SHOULDERS BY WET CURING FOR 24 HOURS
   c. APPLY MEMBRANE CURING COMPOUND APPROVED BY GROUT MANUFACTURER AND COMPLIANT WITH ASTM C309

SPECIAL INSPECTIONS SPECIFICATIONS

SPECIAL INSPECTIONS AND TESTING WILL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, THE ATTACHED "STATEMENT OF SPECIAL INSPECTION" AND CBC SECTIONS 1704, 1705.

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A SEISMIC RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF THE WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
2. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
4. IDENTIFICATION AND QUALIFICATION OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

STATEMENT OF SPECIAL INSPECTIONS

A. GENERAL
THESE PROVISIONS SHALL GOVERN THE QUALITY, WORKMANSHIP, AND REQUIREMENTS FOR WORK COVERED. MATERIALS OF CONSTRUCTION AND TESTS SHALL CONFORM TO THE APPLICABLE STANDARDS LISTED.

B. DEFINITIONS

a. CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
b. PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

V. ROUGH FRAMING SPECIFICATION

A. GENERAL:

1. CODE: COMPLY WITH ANSI/AWC NDS-2018 & AWC SDPWS-2021
2. SEE "TIMBER CONNECTORS AND FRAMING NOTES" ON SHEET S6.1 FOR ADDITIONAL ROUGH FRAMING REQUIREMENTS.

B. WOOD FRAMING: UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS PROVIDE LUMBER OF THE GRADES AND SPECIES LISTED BELOW FOR THE VARIOUS PURPOSES. ALL LUMBER SHALL HAVE A MOISTURE CONTENT NOT EXCEEDING 19% AT TIME OF INSTALLATION UNLESS OTHERWISE NOTED.

1. JOISTS AND RAFTERS: WCLIB WESTERN CEDAR NO. 2 OR BETTER

C. WOOD CONNECTORS AND FASTENERS

1. ALL FASTENERS ARE EXPOSED TO WEATHER AND SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED
2. ~~PROVIDE CONNECTORS AND FASTENERS AS REQUIRED TO COMPLETE WORK. WHERE WORK IS EXPOSED TO~~ WEATHER PROVIDE CONNECTORS AND FASTENERS WITH HOT-DIPPED GALVANIZED COATING IN ACCORDANCE WITH ASTM A153.
3. FASTENERS FOR PRESSURE PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED WITH G60 THICKNESS COATING MIN.
4. NAILS: FS FF-N-105B COMMON WIRE, TYPICAL. COMMON WIRE, GALVANIZED, FOR PLYWOOD ROOF SHEATHING. RING SHANK NAILS FOR PLYWOOD FLOOR SHEATHING.
5. BOLTS: STANDARD MILD STEEL, SQUARE OR HEXAGONAL HEAD MACHINE BOLTS WITH MATCHING NUTS AND CUT WASHERS, U.O.N. CARRIAGE BOLTS WITH SQUARE NUTS AND CUT WASHERS WHERE INDICATED.
6. POWDER DRIVEN FASTENERS: PINS SHALL HAVE MINIMUM 7/8 INCH DIAMETER WASHERS TO ACCURATELY CONTROL PENETRATION. FASTENERS SHALL BE INSTALLED BY LOW-VELOCITY POWER ACTUATED TOOL. ACCEPTABLE MANUFACTURERS ARE HILTI, INC. AND RAMSET.
7. FRAMING CONNECTORS: GALVANIZED STEEL; DESIGNATIONS SHOWN ON DRAWINGS REFER TO PRODUCTS OF SIMPSON STRONG-TIE COMPANY. PRODUCTS FURNISHED SHALL HAVE ICC APPROVED LOAD VALUES AT LEAST EQUAL TO THOSE OF PRODUCTS DESIGNATED FOR COMPARABLE USE. ACCEPTABLE MANUFACTURERS ARE SIMPSON STRONG-TIE CO. OR K.C. METAL.

D. NAILED TIMBER CONNECTIONS

1. ALL NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE SHOWN ON DRAWINGS.
2. EDGE DISTANCES, END DISTANCES, AND FASTENER SPACING SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD.
3. PRE-DRILL HOLES $\frac{1}{32}$ INCH SMALLER THAN NAIL DIAMETER WHERE WOOD TENDS TO SPLIT.
4. PENETRATION OF NAIL INTO THE PIECE RECEIVING THE POINT SHALL NOT BE LESS THAN ½ OF THE NAIL LENGTH, U.O.N.
5. USE NAILS FOR JOISTS, HANGERS AND OTHER FRAMING HARDWARE RECOMMENDED AND PROVIDED BY MANUFACTURER, U.O.N.
6. NAILING GUNS- USE OF NAIL GUNS IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLY OR PLYWOOD MORE THAN WOULD BE NORMAL USING A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE FOUND UNACCEPTABLE AND RE-NAILING SHALL BE PERFORMED BY HAND HAMMER.

IV. STRUCTURAL STEEL SPECIFICATION

A. GENERAL

1. CODE: COMPLY WITH ANSI/AISC 360-16 & ASSOCIATED RCSC, AND ANSI/AISC 341-16 FOR ALL TOLERANCES, EDGE DISTANCES, SPACING, MINIMUM WELD SIZES, AND OTHER DETAILS & INFORMATION NOT PROVIDED.
2. SEE "STEEL FRAMING NOTES" ON SHEET S5.1 FOR ADDITIONAL STEEL FRAMING REQUIREMENTS.

B. MATERIALS

1. GENERAL: ALL STEEL SHALL BE IDENTIFIED AS REQUIRED BY CBC SECTION 2202.1. STEEL WHICH IS NOT PROPERLY IDENTIFIED SHALL BE TESTED TO SHOW CONFORMANCE WITH REQUIREMENTS OF APPLICABLE ASTM STANDARD AT CONTRACTOR'S EXPENSE.

2. PLATES:	A572 GR. 50
3. SHAPES:	
W, WT	A992
C, MC, L	A36
4. MACHINE BOLTS:	A307
~~5. ANCHOR BOLTS:~~	~~A307, A36, OR F1554 GR. 36 (EXCEPT AS OTHERWISE NOTED)~~
5.1. ALL ANCHORS ARE EXPOSED TO WEATHER AND SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED	
6. THREADED ROD:	A36

7. WELDING FILLER MATERIAL: AWS D1.1; TYPE REQUIRED FOR BASE METALS BEING WELDED. ELECTRODES SHALL BE E70XX, LOW HYDROGEN, UNLESS OTHERWISE NOTED.

C. EXECUTION

1. FABRICATION
   a. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS, AISC CODE AND THE CALIFORNIA BUILDING CODE.
      i. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10 OF AISC CODE
   b. DRILL (DO NOT PUNCH) HOLES CENTERED 6" OR LESS FROM AN EDGE TO BE COMPLETE PENETRATION WELDED.
   c. ALL WELDS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATION USING MANUAL SHIELDED METAL ARC WELDING METHOD (SMAW) OR FLUX CORED ARC WELDING (FCAW) METHOD IN ACCORDANCE WITH AWS D1.1. WELD IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) PREPARED BY FABRICATOR.
2. FINISHES
   a. ALL SURFACES SHALL BE CLEANED PER SSPC-SP1 "SOLVENT CLEANING" TO REMOVE OIL AND GREASE PRIOR TO ANY OTHER SURFACE PREPARATION
   b. TREAT FAYING SURFACES OF SLIP-CRITICAL HIGH-STRENGTH BOLTED CONNECTIONS TO ACHIEVE CLASS A SURFACE IN ACCORDANCE WITH AISC 303, U.O.N.

D. QUALITY ASSURANCE

1. FABRICATOR SHALL PREPARE WELDING PROCEDURE SPECIFICATIONS (WPS).
2. QUALIFY WELDING PROCEDURES AND WELDING OPERATORS IN ACCORDANCE WITH AWS D1.1 "QUALIFICATION" REQUIREMENTS.

SPECIAL INSPECTIONS SPECIFICATIONS (CONT)

A. REFERENCE STANDARDS (EDITIONS ADOPTED BY CURRENT GOVERNING CALIFORNIA BUILDING CODE)

a. CBC - CALIFORNIA BUILDING CODE
b. AISC 341 - SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS; AMERICAN INSTITUTE OF STEEL CONSTRUCTION
c. AISC 360 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS; AMERICAN INSTITUTE OF STEEL CONSTRUCTION
d. ACI 318 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY; AMERICAN CONCRETE INSTITUTE
e. RCSC - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS; RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
f. AF & PA NDS - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION

D. THIS STATEMENT OF SPECIAL INSPECTION IS SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS OF CBC SECTIONS 1704.3. THE FOLLOWING ATTACHMENTS SUMMARIZE THE SPECIAL INSPECTIONS AND STRUCTURAL TESTS REQUIRED FOR THIS PROJECT.

E. THESE REQUIREMENTS HAVE ALSO BEEN MADE PART OF THE APPROVED PLANS.

F. THE OWNER RECOGNIZES HIS OR HER OBLIGATION TO ENSURE THAT THE CONSTRUCTION COMPLIES WITH THE APPROVED PERMIT DOCUMENTS AND TO IMPLEMENT THIS PROGRAM OF SPECIAL INSPECTIONS. IN PARTIAL FULFILLMENT OF THESE OBLIGATIONS, THE OWNER WILL RETAIN AND DIRECTLY PAY FOR THE SPECIAL INSPECTIONS AS REQUIRED IN CBC SECTION 1704.2

G. SPECIAL INSPECTORS WILL REFER TO THE APPROVED PLANS AND SPECIFICATIONS, THE ABOVE REFERENCED SCHEDULES, AND THE RELEVANT CBC SECTIONS FOR DETAILED SPECIAL INSPECTION REQUIREMENTS. ANY ADDITIONAL TESTS AND INSPECTIONS REQUIRED BY THE APPROVED PLANS AND SPECIFICATIONS WILL ALSO BE PERFORMED.

H. INTERIM INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND TO DAEDALUS STRUCTURAL ENGINEERING, INC. IN ACCORDANCE WITH CBC SECTION 1704.2.4. A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS, TESTING, AND CORRECTION OF ANY DEFICIENCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

I. THIS PLAN HAS BEEN DEVELOPED WITH THE UNDERSTANDING THAT THE BUILDING OFFICIAL WILL:

a. REVIEW AND APPROVE THE QUALIFICATIONS OF THE SPECIAL INSPECTORS PERFORMING THE INSPECTIONS
b. MONITOR SPECIAL INSPECTION ACTIVITIES TO ASSURE COMPLIANCE WITH PROJECT REQUIREMENTS
c. REVIEW SUBMITTED INSPECTION REPORTS
d. PERFORM INSPECTION

J. WIND + SEISMIC REQUIREMENTS (CBC SECTION 1705.10, 1705.11 AND 1705.12)

K. DESCRIPTION OF THE SEISMIC OR WIND LOAD RESISTING SYSTEM (SLRS) AND DESIGNATED LATERAL SYSTEMS SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH CBC SECTION 1705.3: 1704.3.2 & 1704.3.3

L. THE EXTENT OF THE SEISMIC LOAD RESISTING SYSTEM IS DEFINED IN MORE DETAIL IN THE CONSTRUCTION DOCUMENTS.

SCHEDULE OF SPECIAL INSPECTIONS

SOILS - CBC 2022 TABLE 1705.6

INSPECTION/TEST TYPE	FREQUENCY		
INSPECTIONS REQUIRED IN THIS TABLE SHALL BE PERFORMED BY THE PROJECT GEOTECHNICAL ENGINEER.	CONT.	PERIODIC	REFERENCED STANDARD
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X	CBC 2022 SECTION 1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	

FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.

CONCRETE CONSTRUCTION - CBC 2022 TABLE 1705.3

INSPECTION/TEST TYPE		FREQUENCY		
		CONT.	PERIODIC	REFERENCED STANDARD
1.	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318: 20, 25.2, 25.3, 26.6.1-26.6.3
2.	REINFORCING BAR WELDING:			
a.	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	AWS D1.4 ACI 318: 26.6.4
b.	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM $\frac{5}{16}$"	-	X	
c.	INSPECT ALL OTHER WELDS	X	-	
3.	INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2
4.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:[b]			
a.	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 17.8.2.4
b.	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a.	-	X	ACI 318: 17.8.2
5.	VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4 CBC 1904.1., 1904.2
6.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172, ASTM C31 ACI 318; 26.5, 26.12
7.	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318; 26.5
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5
13.	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO THE REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2
14.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)

FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK

WOOD CONSTRUCTION- SEE CBC 2022 SECTION 1705.5

INSPECTION/TEST TYPE		CONT.	PERIODIC	REFERENCED STANDARD
1.	VERIFY FABRICATOR QUALITY CONTROL PROCEDURES IN ACCORDANCE WITH CBC 2022 SECTION 1704.2.5.	-	-	NOT REQUIRED IF THE FABRICATOR IS APPROVED IN ACCORDANCE WITH CBC 2022 SECTION 1704.2.5.1.
2.	INSPECT SITE-BUILT ASSEMBLIES:			
a.	FIELD GLUING OF ELEMENTS OF THE SEISMIC LATERAL FORCE RESISTING SYSTEM	X		CBC 1705.12.1, 1705.13.2
b.	NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SLRS, INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS, AND HOLD-DOWNS.		X	CBC 1705.12.1, 1705.13.2
3.	INSPECT HIGH-LOAD DIAPHRAGMS:			CBC 1705.5.1 HIGH-LOAD DIAPHRAGMS REQUIRING INSPECTION ARE DESIGNATED ON THE STRUCTURAL DRAWINGS.
a.	VERIFY GRADE AND THICKNESS OF SHEATHING.		X	CBC 1705.5.1
b.	VERIFY NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES.	-	X	CBC 1705.5.1
c.	VERIFY:	-	X	CBC 1705.5.1
1.	NAIL OR STAPLE DIAMETER AND LENGTH.	-	X	CBC 1705.5.1
2.	NUMBER OF FASTENER LINES.	-	X	CBC 1705.5.1
3.	SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS.	-	X	CBC 1705.5.1

STEEL CONSTRUCTION - CBC 2022 TABLE 1705A.2.1

INSPECTION/TEST TYPE		FREQUENCY		
		CONT.	PERIODIC	REFERENCED STANDARD
1.	MATERIAL IDENTIFICATION AND TESTING OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:			
a.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	RCSC: 1.5; AISC 360: A3.3, J3.1 AND APPLICABLE ASTM MATERIAL STANDARDS. CBC 2022: 2202A.1, 2202.1
b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	X	RCSC: 1.5, 2.1 AISC 360: A3.3, N3.2
c.	TESTING OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS	-	-	RCSC: 7.2 AND APPLICABLE ASTM MATERIAL STANDARDS. CBC 2022: 2213A.1, 2212.6.1
4.	MATERIAL VERIFICATION OF WELDING CONSUMABLES AND TESTING OF WELDED ELEMENTS			
a.	IDENTIFICATION MARKINGS TO CONFORM TO THE AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	AISC 360: A3.5, N3.2 AND APPLICABLE AWS A5 DOCUMENTS
b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	X	AISC 360: N3.2
c.	NONDESTRUCTIVE TESTING OF WELDED JOINTS	-	-	AISC 360: N5.5
5.	INSPECTION OF WELDING			
a.	STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:			
1.	COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	-	AISC 360: J2, M2.4, M4.5 AWS D1.1, AWS D1.8 CBC 2022: 1705A.2.1, 1705A.2.5
2.	MULTIPASS FILLET WELDS.	X	-	
3.	SINGLE PASS FILLET WELDS > $\frac{5}{16}$".	X	-	
4.	PLUG AND SLOT WELDS.	X	-	
5.	SINGLE-PASS FILLET WELDS ≤ $\frac{5}{16}$".	-	X	
b.	REINFORCING STEEL			TABLE 1705A.3, ITEM 2
6.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE.			
a.	DETAILS SUCH AS BRACING AND STIFFENING.	-	X	AISC 360: N5.8 CBC 2022: 1705A.2.1
b.	MEMBER LOCATIONS.	-	X	
c.	APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	-	X	

FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.

STRUCTURAL DRAWING LIST

S0.01	STRUCTURAL GENERAL NOTES
S1.00	FOUNDATION AND ROOF FRAMING PLANS
S2.01	BUILDING SECTIONS AND ELEVATIONS
S3.01	TYPICAL CONCRETE DETAILS
S3.02	CONCRETE DETAILS

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

DAEDALUS
3031 Tisch Way, Ste. 110
San Jose, CA 95128
TEL: 408.517.0373
www.daedalus-eng.com

No. 3424

PROJECT TITLE
Los Altos EOC
GENERATOR
ENCLOSURE

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESUBMITTAL

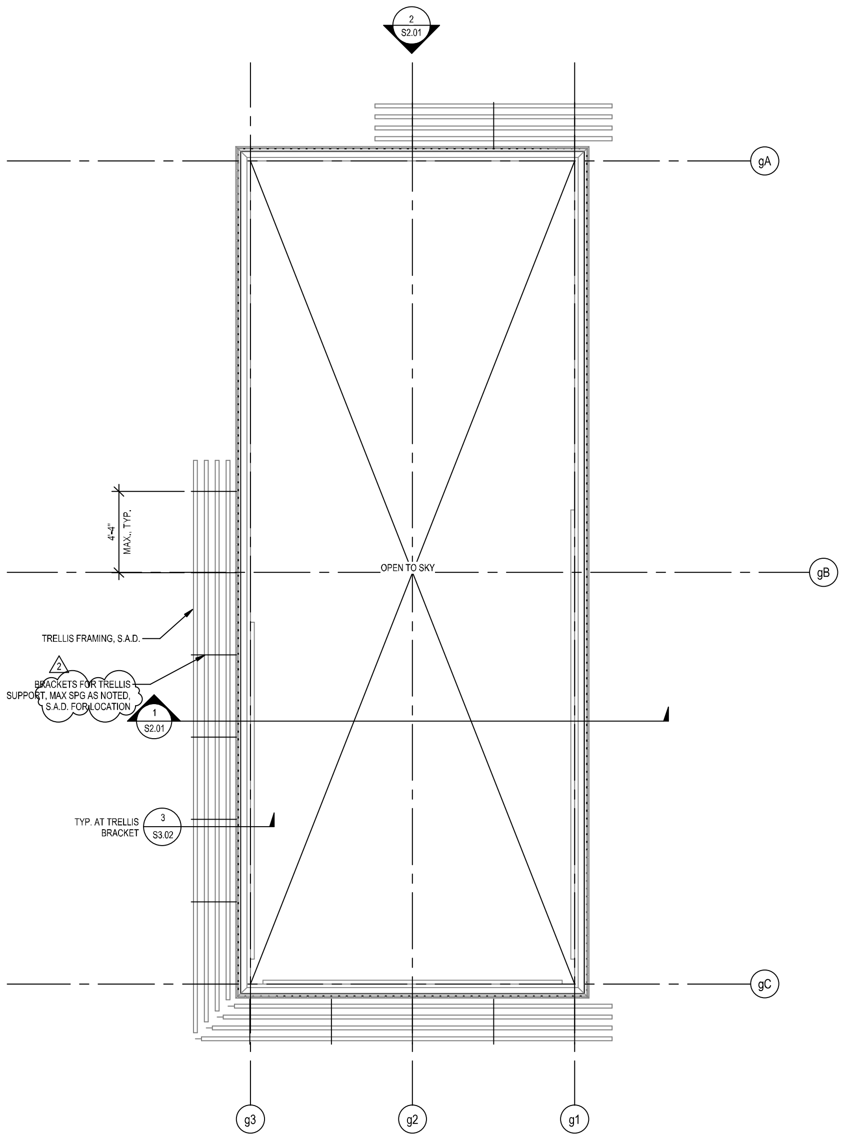
DRAWN BY MKN | CHECKED BY MRK

SHEET TITLE
STRUCTURAL GENERAL NOTES

SHEET NUMBER
S0.01

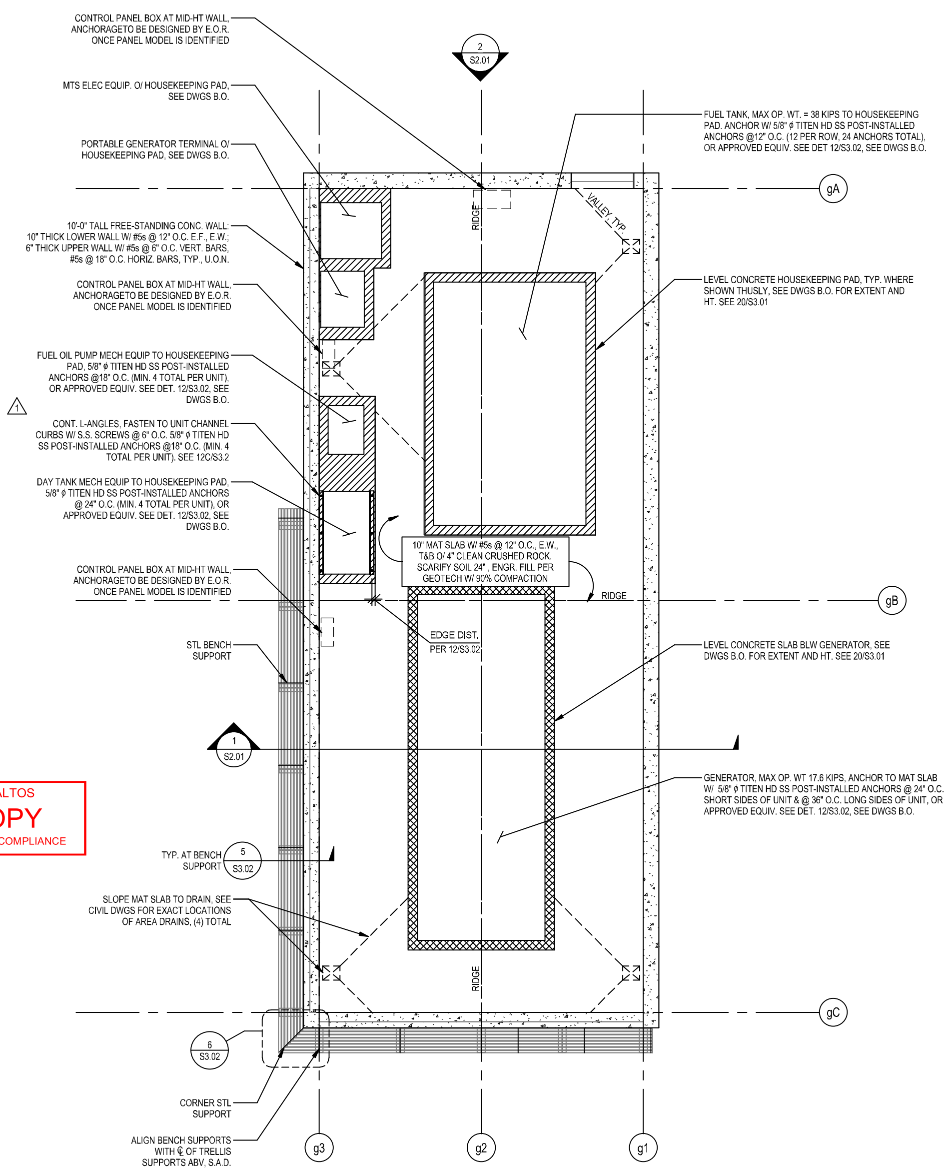
DAEDALUS # 17072

12/19/2023 10:54 AM O:\17072 Hillview Community Ctr\Struc\CAD\Generator\17072_GENERATOR NOTES_24x36.dwg



2 ROOF FRAMING PLAN
1/4" = 1'-0"

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



1 FOUNDATION PLAN
1/4" = 1'-0"

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

N

NOLL & TAM
ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

DAEDALUS
3031 Tisch Way, Ste. 110
San Jose, CA 95128
TEL: 408.517.0373
www.daedalus-eng.com

PROJECT TITLE

Los Altos EOC
GENERATOR ENCLOSURE

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE **AUG 03, 2023**

N&T JOB NUMBER **22203**

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESUBMITTAL

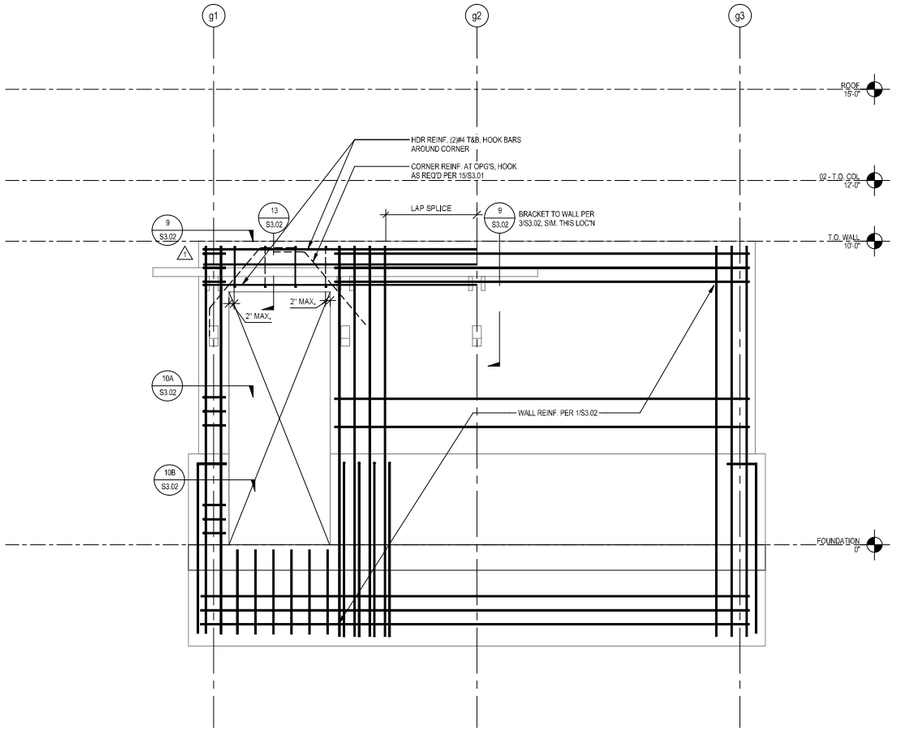
SHEET TITLE

FOUNDATION AND ROOF FRAMING PLANS

SHEET NUMBER

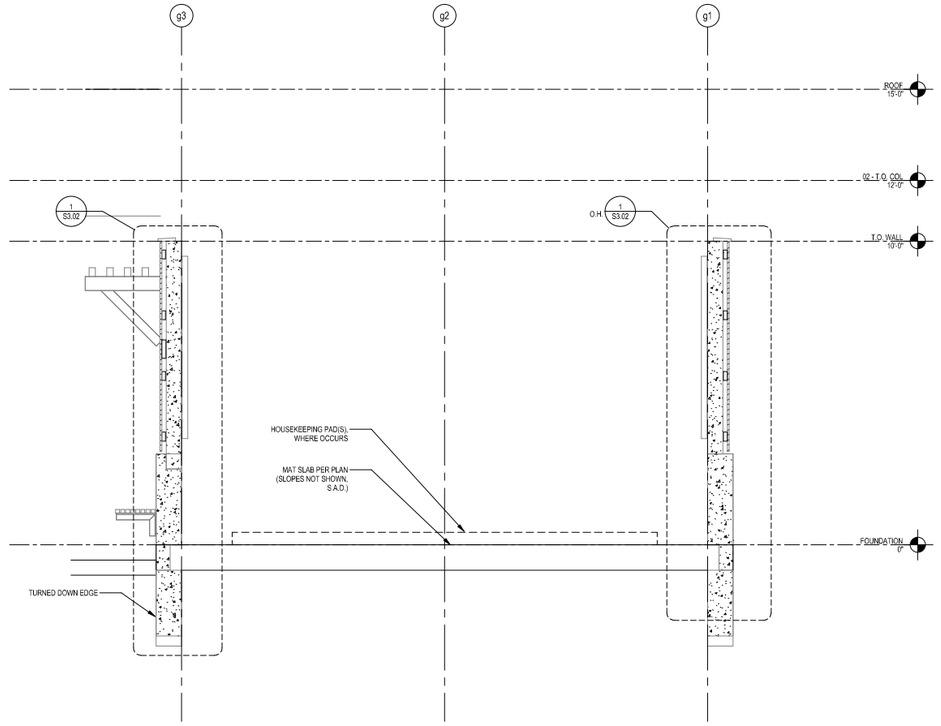
S1.00

DAEDALUS #17072



2 EXTERIOR WALL OPENING

1/2" = 1'-0"



1 BUILDING SECTION

1/2" = 1'-0"

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

DAEDALUS
3031 Tisch Way, Ste. 110
San Jose, CA 95128
TEL: 408.517.0373
www.daedalus-eng.com

PROJECT TITLE
Los Altos EOC
GENERATOR
ENCLOSURE

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
N&T JOB NUMBER 2203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESUBMITTAL

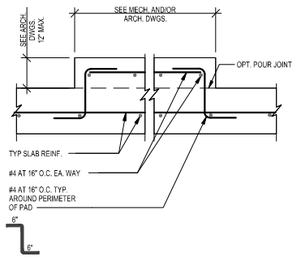
SHEET TITLE
BUILDING SECTIONS AND ELEVATIONS

SHEET NUMBER
S2.01

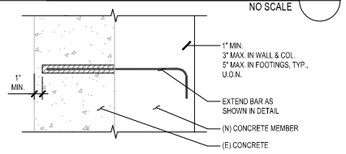
DAEDALUS #17072

12/19/2023 10:47:55 AM C:\Users\mkavamoto\Documents\17072_DST2023_mkavamotoUTTKE.rvt

NOTE: SEE DET. 12/S3.02 FOR ADDT. INFO.



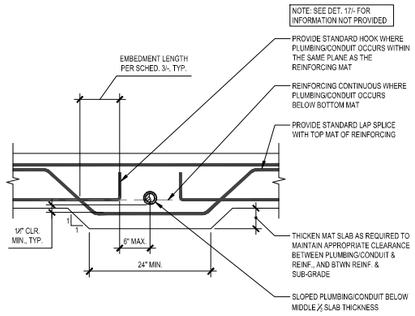
TYPICAL SLAB RAISED PAD — NO SCALE — 20



DOWEL SIZE	THREADED ROD SIZE	DRILLED HOLE DIA.[1]	MINIMUM EMBEDMENT LENGTH[2]	TEST LOAD (KIPS)	
				DOWEL	THREADED ROD
#3	⅜"ø	½"-⅝"	4½"	5.28	2.25
#4	½"ø	⅝"-¾"	6"	9.60	6.82
#5	⅝"ø	¾"-⅞"	7½"	14.88	10.85
#6	¾"ø	⅞"-1"	10"	21.12	16.03
#7	⅞"ø	1"-1⅛"	10½"	28.80	22.18
#8	1"ø	1⅛"-1⅜"	12"	37.92	29.09

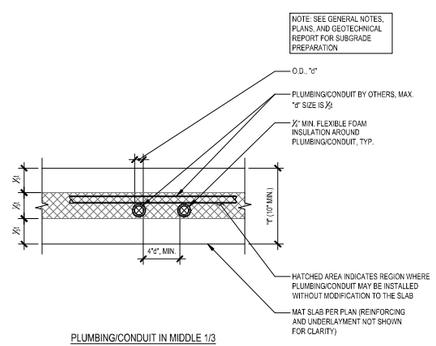
NOTES:
1. FOLLOW SPECIFIC EPOXY MANUFACTURER INSTRUCTIONS FOR DRILLED HOLE DIAMETER.
2. EMBED LENGTHS SHOWN ON SPECIFIC DETAILS GOVERN OVER THIS SCHEDULE.
3. DOWEL EMBEDMENT LENGTHS INTO WALLS AND SLABS SHALL NOT EXCEED THICKNESS (IN DIRECTION OF DRILLING) MINUS ONE INCH.
4. SCHEDULE DOES NOT APPLY TO DOWELS IN BRICK OR CONCRETE MASONRY.
5. SEE SPECS FOR EPOXY, AND SUBMIT EPOXY TECH. INFO. TO S.E. FOR APPROVAL.
6. NOTIFY ENGINEER WHEN EPOXY DOWELS ARE REQUIRED THAT ARE NOT INCLUDED IN CONSTRUCTION DOCUMENTS.
7. TEST LOAD ASSUMES THREADED ROD IS ASTM A36 OR F1554 GR. 36. NOTIFY ENGINEER IF OTHER ROD MATERIAL USED FOR TEST LOAD.

TYPICAL EPOXIED DOWEL ANCHORAGE IN CONCRETE — N.T.S. — 11



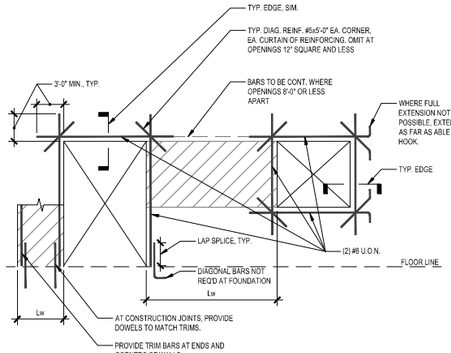
PLUMBING/CONDUIT BELOW MIDDLE 1/3

TYPICAL PLUMBING/CONDUIT IN CONCRETE MAT SLAB: THICKENED — N.T.S. — 18



PLUMBING/CONDUIT IN MIDDLE 1/3

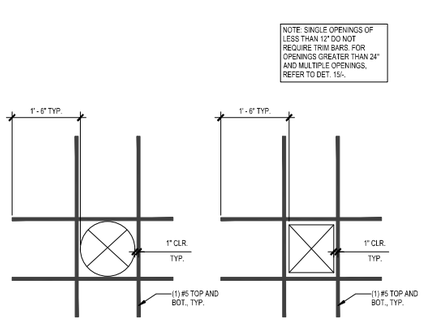
TYPICAL PLUMBING/CONDUIT IN CONCRETE MAT SLAB — N.T.S. — 17



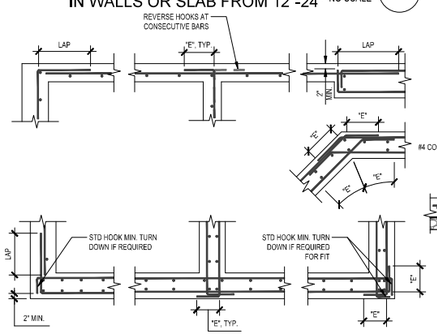
NOTE:
AT HATCHED AREA, ADD TYPICAL WALL REINF. SUCH THAT:
1. SPACING OF HORIZONTAL REINF. = Lw/5 ,MAX.
2. SPACING OF VERTICAL REINF. = Lw/3 MAX.
3. EXTEND VERTICALS 3'-0" MIN. TOP & BOTTOM.

ELEVATION

TYPICAL REINFORCING AT OPENINGS & EDGES OF CONCRETE WALLS — N.T.S. — 15

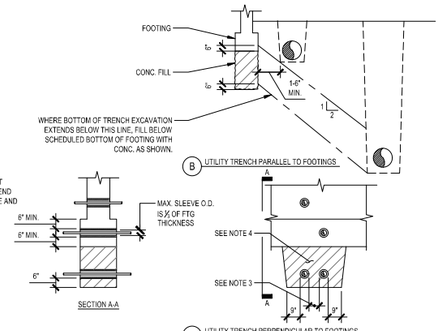


TRIM REINFORCING AT OPENINGS IN WALLS OR SLAB FROM 12"-24" — NO SCALE — 14



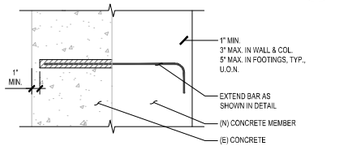
NOTES:
1. ALL BENDS ARE STANDARD HOOKS, U.O.N.
2. "E" = EMBEDMENT LENGTH, SEE SCHEDULE 3/-
3. LAP SPLICE HORIZONTAL WALL STEEL USING CLASS "B" TOP BAR SPLICES, SEE SCHEDULE 3/-
4. AT DBL CURTAIN REINF. WALLS, PROVIDE SPREADERS @ 4'-0" E.W.
5. WHERE NOTED "2" MIN." FOR CONC. COVER, TYP. U.O.N., ALL HOOKS
6. MIN. OUT-OF-PLANE CONC. COVER FOR HOOKS IS 2½" MIN.

TYPICAL HORIZ. WALL REINF. AT CORNERS AND INTERSECTIONS — N.T.S. — 13



NOTES:
1. DO NOT PASS PIPES UNDER OR THROUGH ISOLATED SPREAD FOOTINGS.
2. PROVIDE SLEEVES FOR ALL PIPES PASSING THROUGH CONCRETE; SLEEVE TO HAVE I.D. 2" LARGER THAN O.D. OF PIPE.
3. CLEARANCE BETWEEN ADJACENT SLEEVES SHALL BE NOT LESS THAN Φ OF LARGER SLEEVE OR 6" MINIMUM.
4. FOR PIPES BELOW FOOTINGS, EXCAVATE AS SHOWN AND FILL WITH LEAN CONCRETE. (f'c=1500 PSI MIN.)

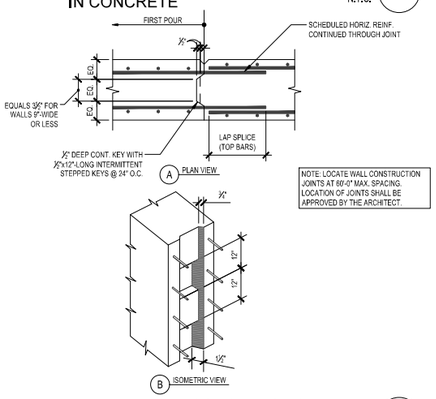
TYPICAL PIPE TRENCHES AND PENETRATIONS AT FOUNDATIONS — N.T.S. — 12



DOWEL SIZE	THREADED ROD SIZE	DRILLED HOLE DIA.[1]	MINIMUM EMBEDMENT LENGTH[2]	TEST LOAD (KIPS)	
				DOWEL	THREADED ROD
#3	⅜"ø	½"-⅝"	4½"	5.28	2.25
#4	½"ø	⅝"-¾"	6"	9.60	6.82
#5	⅝"ø	¾"-⅞"	7½"	14.88	10.85
#6	¾"ø	⅞"-1"	10"	21.12	16.03
#7	⅞"ø	1"-1⅛"	10½"	28.80	22.18
#8	1"ø	1⅛"-1⅜"	12"	37.92	29.09

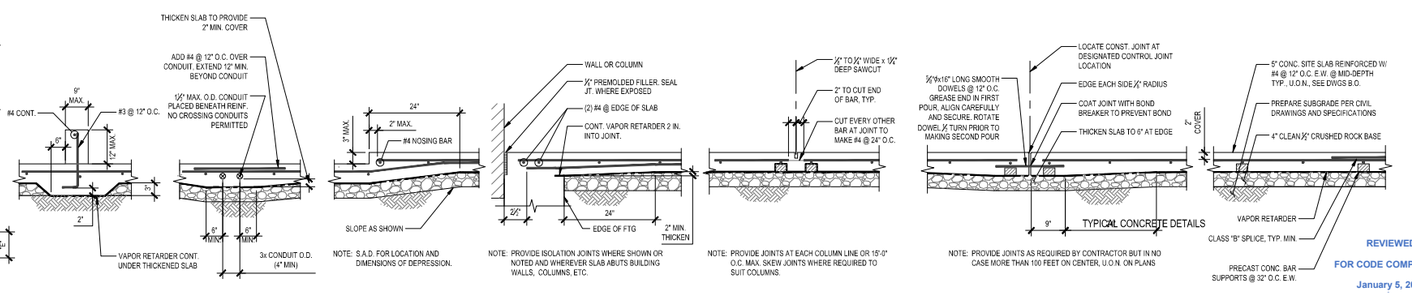
NOTES:
1. FOLLOW SPECIFIC EPOXY MANUFACTURER INSTRUCTIONS FOR DRILLED HOLE DIAMETER.
2. EMBED LENGTHS SHOWN ON SPECIFIC DETAILS GOVERN OVER THIS SCHEDULE.
3. DOWEL EMBEDMENT LENGTHS INTO WALLS AND SLABS SHALL NOT EXCEED THICKNESS (IN DIRECTION OF DRILLING) MINUS ONE INCH.
4. SCHEDULE DOES NOT APPLY TO DOWELS IN BRICK OR CONCRETE MASONRY.
5. SEE SPECS FOR EPOXY, AND SUBMIT EPOXY TECH. INFO. TO S.E. FOR APPROVAL.
6. NOTIFY ENGINEER WHEN EPOXY DOWELS ARE REQUIRED THAT ARE NOT INCLUDED IN CONSTRUCTION DOCUMENTS.
7. TEST LOAD ASSUMES THREADED ROD IS ASTM A36 OR F1554 GR. 36. NOTIFY ENGINEER IF OTHER ROD MATERIAL USED FOR TEST LOAD.

TYPICAL EPOXIED DOWEL ANCHORAGE IN CONCRETE — N.T.S. — 11



NOTE: LOCATE WALL CONSTRUCTION JOINTS AT 60'-0" MAX. SPACING. LOCATION OF JOINTS SHALL BE APPROVED BY THE ARCHITECT.

TYP. VERTICAL CONSTRUCTION JOINT IN CONCRETE WALL — N.T.S. — 10



NOTE: S.A.D. FOR LOCATION AND DIMENSIONS OF DEPRESSION.

NOTE: PROVIDE ISOLATION JOINTS WHERE SHOWN OR NOTED AND WHEREVER SLAB ABUTS BUILDING WALLS, COLUMNS, ETC.

NOTE: PROVIDE JOINTS AT EACH COLUMN LINE OR 15'-0" O.C. MAX. SKEW JOINTS WHERE REQUIRED TO SUIT COLUMNS.

NOTE: PROVIDE JOINTS AS REQUIRED BY CONTRACTOR BUT IN NO CASE MORE THAN 100 FEET ON CENTER, U.O.N. ON PLANS

CURB | CONDUIT | DEPRESSION | ISOLATION JOINT | SAWCUT JOINT (S.J.) | CONSTRUCTION JOINT | TYPICAL SECTION

TYPICAL CONCRETE DETAILS

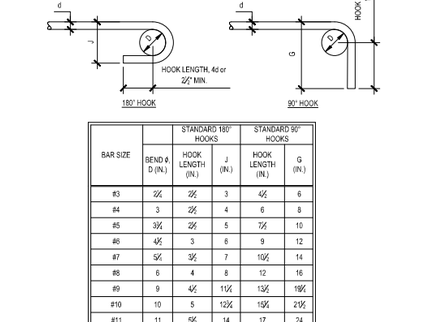
CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

TYPICAL CONCRETE COVER OVER REINFORCING STEEL — N.T.S. — 2

SPECIFIED CONCRETE COVER FOR CAST-IN-PLACE NONPRESTRESSED CONCRETE MEMBERS			
CONCRETE EXPOSURE	MEMBER	REINFORCEMENT	SPECIFIED COVER (IN.)
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	NO. 6 THROUGH NO. 18 BARS	2
		NO. 5 BAR, W31 OR D31 WIRE, AND SMALLER	1½
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, JOISTS, AND WALLS	NO. 14 AND NO. 18 BARS	1½
		NO. 11 BAR AND SMALLER	¾
	BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1½

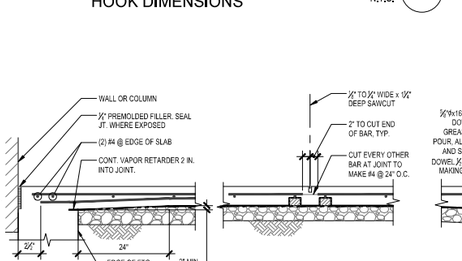
TYPICAL STANDARD REBAR HOOK DIMENSIONS — N.T.S. — 6



BAR SIZE	BEND Φ D (IN.)	STANDARD 180° HOOKS HOOK LENGTH (IN.)	STANDARD 180° HOOKS J (IN.)	STANDARD 90° HOOKS HOOK LENGTH (IN.)	STANDARD 90° HOOKS G (IN.)
#3	2½	2½	3	4½	6
#4	3	2½	4	6	8
#5	3¾	2½	5	7½	10
#6	4½	3	6	9	12
#7	5¼	3½	7	10½	14
#8	6	4	8	12	16
#9	9	4½	11¼	13½	19½
#10	10	5	12½	15½	21½
#11	11	5½	14	17	24
#14	17	6½	20½	20½	30½

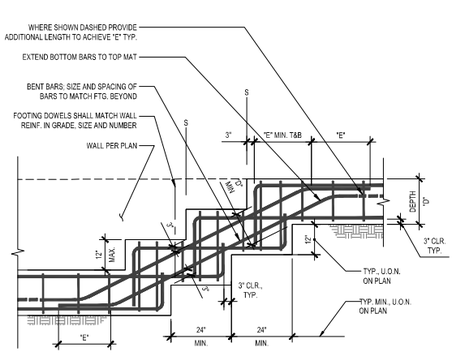
NOTE: WHEN AVAILABLE DEPTH IS LIMITED #3 THROUGH #11 GRADE 40 BARS HAVING 180° HOOKS MAY BE BENT WITH D = 5d AND CORRESPONDINGLY SMALLER G AND J DIMENSIONS.

TYPICAL REINFORCING AT FOOTING/GRADE BM CORNERS AND INTERSECTIONS — N.T.S. — 7



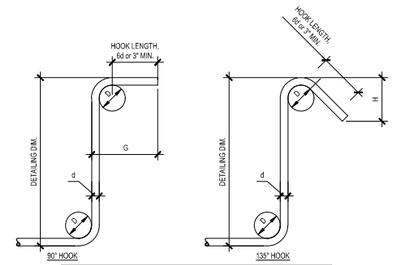
NOTE: EXTEND BARS TO FAR FACE OF FOOTINGS/GRADE BEAMS PROVIDING 3" OF CLEARANCE.

TYPICAL STEPPED FOOTING OR GRADE BEAM — N.T.S. — 8



NOTE: "E" = EMBEDMENT LENGTH, SEE SCHEDULE 3/-. HOOK WHERE NECESSARY TO PROVIDE REQUIRED EMBEDMENT.

TYPICAL STIRRUP AND TIE HOOKS — N.T.S. — 4



BAR SIZE	BEND Φ D (IN.)	HOOK LENGTH (IN.)	STIRRUP & TIE 90° HOOK G (IN.)	STIRRUP & TIE 135° HOOK H (IN., APPROX.)
#3	1½	3	4	3½
#4	2	3	4½	4½
#5	2½	4	6	5½

NOTES:
1. 135° COLUMN TIE HOOKS MAY NOT BE BENT TO LESS THAN Φ OF COLUMN VERT. BAR ENCLOSED IN HOOK.
2. HOOKS & BENDS OF WELDED WIRE FABRIC: MIN. INSIDE BEND DIAMETERS (D) FOR WELDED WIRE REINF. (PLAIN OR DEFORMED) TO BE USED AS STIRRUPS OR TIES SHALL BE AT LEAST 4 WIRE Φ's FOR WIRE LARGER THAN D6/W8, AND 2 WIRE Φ's FOR ALL OTHER WIRES. BENDS WITH INSIDE Φ OF LESS THAN 8 WIRE Φ's SHALL NOT BE LOCATED LESS THAN 4 WIRE Φ's FROM NEAREST WELD INTERSECTION.

TYPICAL LAP SPLICE SCHEDULE — N.T.S. — 3

TENSION LAP SPLICE SCHEDULE				EMBEDMENT SCHEDULE	
BAR SIZE	HARDROCK CONCRETE f'c = 3000 PSI MIN.		LIGHTWEIGHT CONC. f'c = 3000 PSI MIN.	HARDROCK CONCRETE f'c = 3000 PSI MIN.	
	VERT. C.I.P. BARS HORIZ. SLAB BARS	TOP BARS/HORIZ. BARS IN WALLS, BEAMS & COLLECTORS, ALL SHOTCRETE BARS		STRAIGHT BARS	HOOKS
#3	1'-10"	2'-4"	2'-5"	1'-5"	0'-8"
#4	2'-5"	3'-2"	3'-2"	1'-10"	0'-8"
#5	3'-0"	3'-11"	4'-0"	2'-4"	0'-10"
#6	3'-7"	4'-8"	4'-9"	2'-9"	0'-11½"
#7	5'-3"	6'-9"	8'-11"	4'-1"	1'-1½"
#8	6'-8"	7'-9"	7'-11"	4'-7"	1'-3½"
#9	6'-9"	8'-10"	8'-11"	5'-3"	1'-5½"
#10	7'-7"	9'-10"	10'-1"	5'-10"	1'-7½"
#11[1]	8'-5"	10'-11"	11'-2"	6'-6"	1'-10"

NOTES:
1. ALL LAP SPLICES ARE BASED ON CONTACT BETWEEN BARS.
2. ALL BARS SHALL BE SPACED A MINIMUM OF 2 BAR DIAMETERS.
3. ALL LAP SPLICES IN TABLE ARE CLASS B (ACI 318), USE CLASS B TYPICAL.
4. CLASS A LAP SPLICES ARE 75% OF CLASS B. CLASS A LAP SPLICES MAY ONLY BE USED WHERE SPECIFICALLY CALLED OUT ON STRUCTURAL DRAWINGS.
5. WHERE A LARGER BAR LAP SPLICES WITH A SMALLER BAR, THE SMALLER BAR LAP APPLIES, U.O.N.
6. BARS LARGER THAN #11 SHALL BE MECHANICALLY COUPLED; SMALLER BARS MAY ALSO BE MECHANICALLY COUPLED. COUPLERS SHALL BE STAGGERED AT LEAST 30".
7. FOR EPOXY COATED BARS MULTIPLY LAP SPLICE LENGTHS BY 1.2. ELSE, FOR EPOXY COATED BARS WHERE COVER IS LESS THAN 3d OR CLEAR SPACING LESS THAN 6d, MULTIPLY LAP SPLICE LENGTHS BY 1.5.

TYPICAL SLAB-ON-GRADE DETAILS — N.T.S. — 1

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

DAEDALUS
3031 Tisch Way, Ste. 110
San Jose, CA 95128
TEL: 408.517.0373
www.daedalus-eng.com

PROJECT TITLE
Los Altos EOC GENERATOR ENCLOSURE
97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

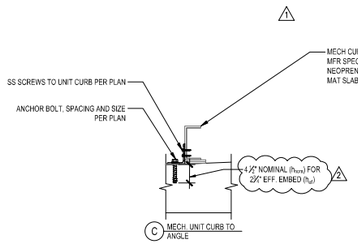
	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESUBMITTAL

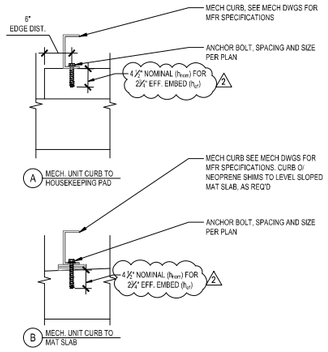
DRAWN BY MKN | CHECKED BY MRK

SHEET TITLE
TYPICAL CONCRETE DETAILS

SHEET NUMBER
S3.01

DAEDALUS # 17072

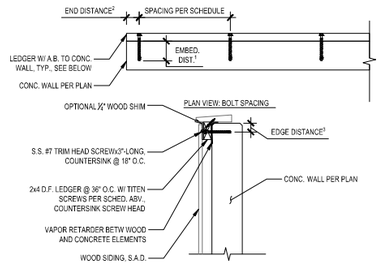




MECHANICAL UNIT ANCHORAGE

N.T.S. 12

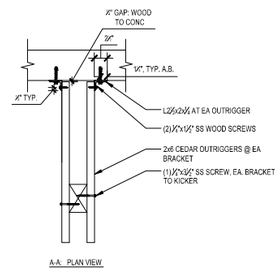
LEDGER ATTACHMENT TO CONC. WALL
⅜"ø STAINLESS STEEL TITEN HD SCREW ANCHOR @ 3'-0" O.C.
1. 3¼" MINIMUM EMBEDMENT OF TITEN SCREWS 2. MIN END DISTANCE FOR ANCHORS IS 1½" FROM END OF LEDGER. 3. MIN EDGE DISTANCE FOR ANCHORS IS 1½" FROM TOP OF WALL.



LEDGER FOR EXT. FINISHES

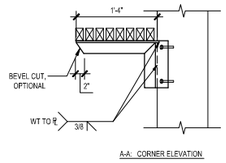
N.T.S. 8

NOTE: REINF. NOT SHOWN FOR CLARITY, SEE DET. 1/- FOR INFORMATION NOT PROVIDED

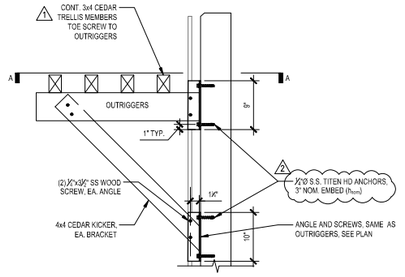


A-A: PLAN VIEW

NOTE: SEE 5/- FOR ADD'L INFO

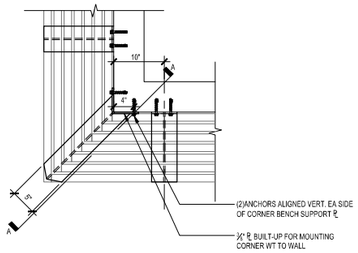


A-A: CORNER ELEVATION



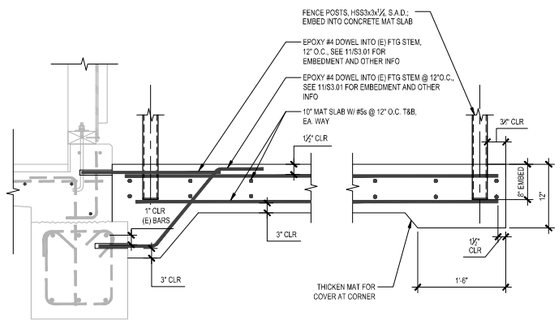
EYEBROW BRACKET TO CONC WALL

1"=1'-0" 3



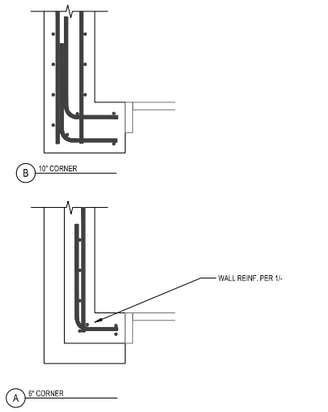
STL BRACKET BENCH SUPPORT AT CORNER

1"=1'-0" 6



(N) FENCE POST AND MAT SLAB EOC SOUTH EMERGENCY POWER

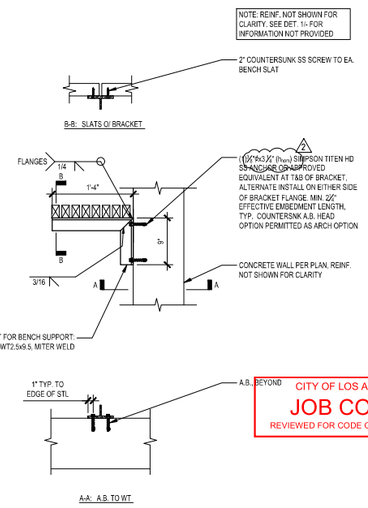
N.T.S. 14



WALL CORNER

1"=1'-0" 10

NOTE: REINF. NOT SHOWN FOR CLARITY. SEE DET. 1/- FOR INFORMATION NOT PROVIDED

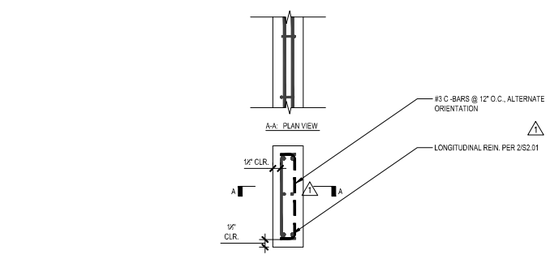


A-A: A.B. TO WT.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

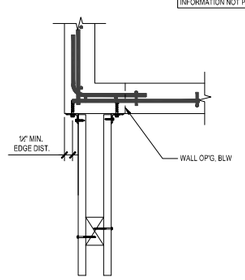
STL BRACKET BENCH SUPPORT

1"=1'-0" 5



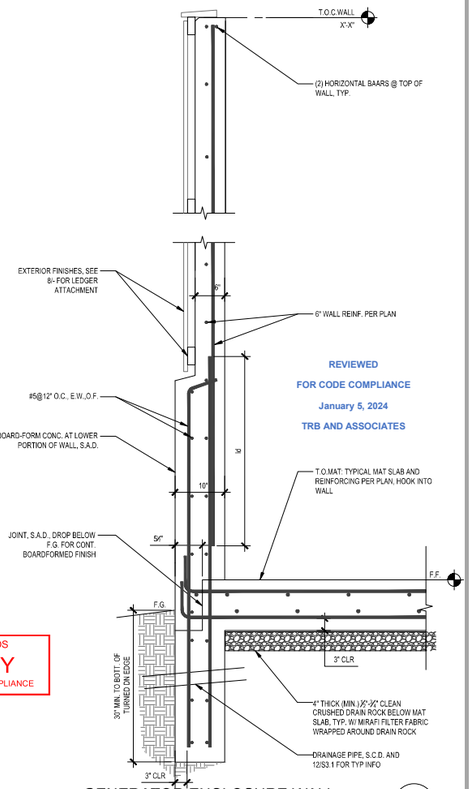
BEAM HDR

1"=1'-0" 13



EYEBROW BRACKET TO CONC WALL CORNER AT DOOR

1"=1'-0" 9



GENERATOR ENCLOSURE WALL AND FTG

N.T.S. 1

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

DAEDALUS
3031 Tisch Way, Ste. 110
San Jose, CA 95128
TEL: 408.517.0373
www.daedalus-eng.com

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS R. ROBERTSON
No. 3424
STRUCTURAL
STATE OF CALIFORNIA

PROJECT TITLE
Los Altos EOC GENERATOR ENCLOSURE
97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE: AUG 03, 2023
NOLL & TAM JOB NUMBER: 22203

REVISIONS

⚠	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE
2	12/18/2023	PLAN CHECK RESUBMITTAL

DRAWN BY MKN | CHECKED BY MRK

SHEET TITLE
CONCRETE DETAILS

SHEET NUMBER
S3.02

DAEDALUS # 17072

PIPE LINE DESIGNATIONS

FOF	FUEL OIL FILL
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN

PLUMBING SHEET LIST	
Sheet Number	Sheet Name
P0.01	PLUMBING LEGENDS AND ABBREVIATIONS
P2.01	LEVEL 1 PLUMBING FLOOR PLAN
P4.01	PLUMBING DETAILS
Grand total: 3	

PIPE & ACCESSORIES

- POINT OF CONNECTION
- POINT OF DISCONNECTION
- DEMOLITION OF PIPING, DEVICES, ETC.
- END OF DEMOLITION WORK
- FLOOR DRAIN
- FLOOR SINK
- COMBINATION ROOF / OVERFLOW DRAIN
- ROOF DRAIN / AREA DRAIN
- ROOF RECEPTOR
- FLOOR CLEANOUT
- WALL CLEANOUT
- HOSE BIBB
- LINE BREAK
- PIPE CAP
- END OF PIPE
- TEMPERATURE SENSOR
- FLEX CONNECTION
- UNION
- FLANGE
- FLOW DIRECTION
- DWV FITTING, 45° ELBOW
- DWV FITTING, 90° ELBOW
- DWV FITTING, 45° TEE
- DWV FITTING, 90° TEE
- PIPE DROP
- PIPE BRANCH, TEE UP
- PIPE BRANCH, TEE DOWN
- REVISION CLOUD AND DELTA
- EQUIPMENT TYPE (XX)
- NUMBER TYPE (XX)
- DETAIL DESIGNATION (X)
- SHEET NUMBER (PX.XX)

VALVES & ACCESSORIES

- PRESSURE REDUCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- CIRCUIT SETTER
- T&P RELIEF VALVE
- THERMOSTATIC MIXING VALVE
- VALVE
- GLOBE VALVE
- WYE STRAINER
- WAY STRAINER WITH BLOW OFF
- GATE VALVE
- MANUAL AIR VALVE
- TEMP GUAGE
- PRESSURE GUAGE
- LIQUID FILLED THERMOMETER
- VACUUM BREAKER
- VFD
- REDUCER
- CEILING ACCESS PANEL (AP)
- WALL MOUNTED ACCESS PANEL (AP)

EQUIPMENT & ACCESSORIES

- EXPANSION TANK
- HEAT EXCHANGER
- PUMP
- WHA — WATER HAMMER ARRESTOR
- TP — TRAP PRIMER
- WM-XX — WATER METER
- BFP-XX — BACKFLOW PREVENTER

PLUMBING PERFORMANCE REQUIREMENTS

1. PROVIDE ALL PIPING, VALVES, FITTINGS AND OTHER APPURTENANCES FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
2. VERIFY LOCATION OF UTILITIES PRIOR TO PERFORMING WORK. COORDINATE ALL WORK WITH OTHER TRADES.
3. COORDINATE ALL CORING OF FLOORS AND WALLS WITH ARCHITECT PRIOR TO START OF WORK.
4. BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
5. PIPING SHALL HAVE SUFFICIENT CLEARANCE FROM STRUCTURE TO ALLOW FOR EXPANSION AND CONTRACTION OF THE PIPING. NO PIPING SHALL TOUCH WOOD, CONCRETE, OTHER PIPING, ETC.
6. ALL EQUIPMENT, FIXTURES, ETC, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
7. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE NOTED ON DRAWINGS.
8. PROVIDE UNIONS AFTER EACH THREADED VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
9. FOLLOW THE GENERAL ARRANGEMENT INDICATED ON THE DRAWINGS AS CLOSELY AS POSSIBLE. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND ALL OTHER TRADES PRIOR TO INSTALLATION OF THE MATERIALS AND EQUIPMENT TO VERIFY ADEQUATE SPACE AVAILABLE FOR INSTALLATION OF THE WORK SHOWN. THE ARCHITECT AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED IF AN AREA OF CONFLICT OCCURS BETWEEN TRADES.

CALIFORNIA CODES AND STANDARDS

1. 2022 CALIFORNIA BUILDING CODE (CBC)
2. 2022 CALIFORNIA PLUMBING CODE (CPC)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC)
5. 2022 CALIFORNIA ENERGY CODE
6. 2022 CALIFORNIA FIRE CODE (CFC)
7. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), LATEST ADOPTED EDITION OF APPLICABLE STANDARDS

FUEL STORAGE CALCULATION	
GENERATOR FUEL CONSUMPTION (GPH)	34.4
FUEL NEEDED, HOURS	96
STORAGE REQUIRED, GALLONS	3302.4
MAIN STORAGE TANK, GALLONS	4000
DAY TANK , GALLONS	160
STORAGE PROVIDED, GALLONS	4160

PLUMBING FUEL OIL SYSTEM SCHEDULE

TYPE	EQUIPMENT NUMBER	DESCRIPTION	SERVICE	LOCATION	MANUFACTURER	MODEL	FLOW @ HEAD	DIMENSION			ELECTRICAL			TANK VOLUME (GALLONS)	OPERATING WEIGHT (LB)	REMARKS
								L	W	H	HP	V	PHASE			
FOT	1	ABOVEGROUND FUEL TANK	FUEL OIL SYSTEM	GENERATOR ENCLOSURE	HOOVER VAULT	-	-	9'8"	7'11"	7'1"	-	-	-	4000	47000	UL LISTED DOUBLE WALL INNER TANK
FODT	1	DAY TANK	FUEL OIL SYSTEM	GENERATOR ENCLOSURE	PREFERRED-MFG	DWDT-160	-	53"	29.5"	41.5"	-	-	-	160	1535	DOUBLE WALL DAY TANK
FHSC	1	HORIZONTAL SPILL CONTAINER	FUEL OIL SYSTEM	GENERATOR ENCLOSURE	PREFERRED-MFG	MODEL2-CS-4-2-SM	-	24"	12"	24"	-	-	-	-	-	5 GALLON SPILL CONTAINMENT
FOP	1	FUEL OIL PUMP	FUEL OIL SYSTEM	GENERATOR ENCLOSURE	PREFERRED-MFG	ATPSF-103-120-50-D-DP-L-TG1	89GPH@100PSI	31"	23"	70"	1/3	208	1	-	450	
FOR	1	FUEL OIL RETURN PUMP	FUEL OIL SYSTEM	ON DAY TANK	PREFERRED-MFG	11872	450GPH @15PSI	14"	7"	9"	1/2	120	1	-	7	
FSC	1	FLEXIBLE SYSTEM CONTROLLER	FUEL OIL SYSTEM	GENERATOR ENCLOSURE	PREFERRED-MFG	-	-	5.18"	3.5"	10.61"	-	208	1	-	-	MODBUS RS-485 COMMUNICATION

PLUMBING ABBREVIATIONS

ABV	ABOVE	G	NATURAL GAS	SAD	SEE ARCHITECTURAL DRAWING(S)
AC	ALTERNATING CURRENT	GA	GAGE OR GAUGE	SAN	SANITARY
ACU	AIR-CONDITIONING UNIT(S)	GAL	GALLON	SB	SPLASH BLOCK
AD	ACCESS DOOR/AREA DRAIN	GC	GENERAL CONTRACTOR	SCD	SEE CIVIL DRAWING(S)
ADA	AMERICAN WITH DISABILITY ACT	GCO	GRADE CLEANOUT	SCFM	CUBIC FT PER MINUTE, STANDARD CONDITIONS
ADAAG	ADA AMERICANS ACCESSIBILITY GUIDELINES	GD	GARAGE DRAIN	SCFS	CUBIC FT PER SEC, STANDARD CONDITIONS
ADDL	ADDITIONAL	GI	GREASE INTERCEPTOR	SCH	SCHEDULE
ADJ	ADJUSTABLE	GND	GROUND	SCUP	SCUPPER
AFF	ABOVE FINISHED FLOOR	GOVT	GOVERNMENT	SD	STORM DRAIN
AG	ABOVE THE GROUND	GP	GALVANIZED PIPE	SE	SEWAGE EJECTOR
AGA	AMERICAN GAS ASSOCIATION	GPC	GALLONS PER CYCLE	SEC	SECOND
AHU	AIR-HANDLING UNIT	GPD	GALLONS PER DAY	SECT	SECTION
AIR COND	AIR CONDITION(ING, -ED)	GPF	GALLONS PER FLUSH	SERV	SERVICE
AISI	AMERICAN IRON AND STEEL INSTITUTE	GPM	GALLONS PER MINUTE	SEV	SEWAGE EJECTOR VENT
ALT	ALTERNATE	GPH	GALLONS PER HOUR	SF	SQUARE FOOT
AMB	AMBIENT	GPS	GALLONS PER SECOND	SH	SHOWER
AMP	AMPERE (AMP, AMPS)	GV	GALVANIZED	SHT	SHEET
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GVA	GATE VALVE	SIM	SIMILAR
AP	ACCESS PANEL	GWH	GAS WATER HEATER	SK	SINK
ARCH	ARCHITECT, ARCHITECTURAL	GW	GREASE WASTE	SLV	SLEEVE
ARF	ABOVE RAISED FLOOR	GWW	GRAY WATER WASTE	SLD	SEE LANDSCAPE ARCHITECT DRAWING(S)
ASC	ABOVE SUSPENDED CEILING			SMD	SEE MECHANICAL DRAWING(S)
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS	H	HIGH	SSD	SEE STRUCTURAL DRAWING(S)
		HB	HOSE BIB /HYDRANT	SOV	SHUTOFF VALVE
		HD	HUB DRAIN	STP	STANDPIPE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	HDR	HEADER	SP	STATIC PRESSURE /SPRINKLER /SUMP PUMP
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	HOR	HORIZONTAL	SPEC	SPECIFICATION
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERS	HP	HORSE POWER	SPD	SUMP PUMP DISCHARGE
AST	ABOVEGROUND STORAGE TANK	HR/HRS	HOUR(S)	SPM	SPRINKLER MAIN
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HT	HEIGHT	SS	SERVICE SINK
		HTG	HEATING	STD	STANDARD
ATM	ATMOSPHERE	HTR	HEATER	STL	STEEL
AV	ACID VENT	HVAC	HEATING, VENTILATION & AIR CONDITIONING	SUCT	SUCTION
AW	ACID WASTE	HW	HOT WATER	SRV	SAFETY RELIEF VALVE
AWG	AMERICAN WIRE GAUGE	HWR	HOT WATER RETURN	SQ	SQUARE
AWS	AMERICAN WELDING SOCIETY	HZ	HERTZ (CYCLES PER SECOND)	SQ FT	SQUARE FEET
AWWA	AMERICAN WATER WORKS ASSOCIATION			S&W	SOIL & WASTE
		I	IRON		
B&S	BELL AND SPIGOT	ICW	INDUSTRIAL COLD WATER	(TA)	TO ABOVE
BEL	BELOW	ID	INSIDE DIAMETER	(TB)	TO BELOW
BFP	BACKFLOW PREVENTER	IE	INVERT ELEVATION	T	TEE
BHP	BRAKE HORSEPOWER	IHW	INDUSTRIAL HOT WATER	T&P	TEMPERATURE & PRESSURE RELIEF VALVE
BLDG	BUILDING	IHWR	INDUSTRIAL HOT WATER RETURN	TD	TRENCH DRAIN
BLR	BOILER	INC	INCREASER, INCREASING	TEMP	TEMPERATURE
BM	BEAM	IN	INCH	TLT	TOILET
BOD	BOTTOM OF DUCT	INCL	INCLUDE	TW	TEMPERED WATER
BOM	BILL OF MATERIAL	INFO	INFORMATION	TWR	TEMPERED WATER RETURN
BOP	BOTTOM OF PIPE	INS	INSULATION	TYP	TYPICAL
BOT	BOTTOM	INSP	INSPECT	TAP	TAP, TAPPED
BRF	BELOW RAISED FLOOR	INSUL	INSULATION	TOT	TAP ON TOP
BSMT	BASEMENT	INT	INTERIOR, INTERNAL	TP	TRAP PRIMER
BT	BATHTUB	INV	INVERT	TY	TEE WYE, (SAN TEE)
BTU	BRITISH THERMAL UNIT	IP	IRON PIPE	TYP	TYPICAL
BTUH	BRITISH THERMAL UNITS PER HOUR	IPS	IRON PIPE SIZE		
BV	BUTTERFLY VALVE/BALANCING VALVE	IW	INDIRECT WASTE	UP	PIPE UP THRU FLOOR SLAB
BWV	BACK WATER VALVE	IWH	INSTANTANEOUS WATER HEATER	UR	URINAL
				UON	UNLESS OTHERWISE NOTED
C	DEGREES CELSIUS	J-BOX	JUNCTION BOX		
CA	COMPRESSED AIR	JC	JANITOR'S CLOSET	V	VENT
CAB	CABINET			VAP	VACUUM PUMP
CAP	CAPACITY	KF	KITCHEN FIXTURE	VT	VOLT
CB	CATCH BASIN	KW	KILOWATT	VOL	VOLUME
CCT	CIRCUIT	KWH	KILOWATT HOUR	VAC	VACUUM
CD	CONDENSATE DRAIN	KVA	KILOVOLT-AMPERE	VAR	VARIABLE
CF	CUBIC FEET	KW	KILOWATT	VB	VALVE BOX
CFM	CUBIC FEET PER MINUTE			VEL	VELOCITY
CFS	CUBIC FEET PER SECOND	L	LENGTH	VERT	VERTICAL
CISP	CAST IRON SOIL/SEWER PIPE	LAB	LABORATORY	VLV	VALVE
CISPI	CAST IRON SOIL PIPE INSTITUTE	LAT	LATERAL	VOL	VOLUME
CL	CENTERLINE	LAV	LAVATORY	VP	VENT PIPE
CLG	CEILING	LBS	POUNDS	VS	VENT STACK
CMU	CONCRETE MASONRY UNIT	LD	LEAK DETECTION	VTR	VENT THROUGH ROOF
CNTR	CENTER	LF	LINEAR FEET		
CO	CLEANOUT	LG	LENGTH	W	WASTE /WATT
COEF	COEFFICIENT	LH	LEFT HAND	W/	WITH
COL	COLUMN	LPD	LOW POINT DRAIN	W/O	WITHOUT
COM	COMMON	LW	LAB WASTE	WC	WATER CLOSET
CONC	CONCRETE	LV	LAB VENT	WCO	WALL CLEANOUT
CONN	CONNECTION			WFS	WATER FLOW SWITCH
COND	CONDENS(-ER, -ING, -ATION)	MAX	MAXIMUM	WH	WATER HEATER /WALL HYDRANT
CONST	CONSTRUCTION	MCC	MOTOR CONTROL CENTER	WM	WATER METER
CONTR	CONTRACTOR	ME	MECHANICAL ENGINEER	WS	WATER STOP
COTG	CLEANOUT TO GRADE	MECH	MECHANICAL	WHA	WATER HAMMER ARRESTOR
CP	CIRCULATING PUMP	MFR	MANUFACTURER	WL	WATER LEVEL
CS	CAST STEEL	MGD	MILLION GALLONS PER DAY	WP	WEATHERPROOF
CTR	CENTER	MH	MANHOLE	WSFU	WATER SUPPLY FIXTURE UNIT
CU	COPPER (CHEMICAL ABBREVIATION)	MIN	MINIMUM	WT	WEIGHT
CU FT	CUBIC FEET	MISC	MISCELLANEOUS		
CU IN	CUBIC INCH	MS	MOP SINK	%	PERCENT
CV	CHECK VALVE	MTR	MOTOR	(E)	EXISTING
CW	COLD WATER	MWP	MAXIMUM WORKING PRESSURE	(N)	NEW
				@	AT (THE RATE OF)
(D)	DROP	N	NITROGEN	&	AND
DBL	DOUBLE	(N)	NEW	#	NUMBER
DC	DIRECT CURRENT	NC	NORMALLY CLOSED		
DCV	DETECTOR CHECK VALVE	NEC	NATIONAL ELECTRICAL CODE		
DEG	DEGREE	NFWH	NON-FREEZE WALL HYDRANT		
DEMO	DEMOLITION	NOM	NOMINAL		
DEPT	DEPARTMENT	NRS	NON RISING STEAM VALVE		
DET	DETAIL	NA	NOT APPLICABLE		
DF	DRINKING FOUNTAIN	NBS	NATIONAL BUREAU OF STANDARDS		
DFU	DRAINAGE FIXTURE UNIT	NC	NOISE CRITERIA		
DI	DEIONIZED WATER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
DIA	DIAMETER	NIS	NOT IN SCOPE		
DIM	DIMENSION	NO. #	NUMBER		
DN	DOWN	NPS	NOMINAL PIPE SIZE (ALSO CALLED IPS)		
DP	DEPTH OR DEEP	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED		
DS	DOWNSPOUT	NTS	NOT TO SCALE		
DSP	DRY STANDPIPE				
DW	DISTILLED WATER	O	OXYGEN		
DWG	DRAWING	OC	ON CENTER		
DWV	DRAIN, WASTE AND VENT	ODM	OUTSIDE DIAMETER		
		OD	OVERFLOW DRAIN		
(E)	EXISTING	OSD	OPEN SIGHT DRAIN		
EA	EACH	OS&Y	OUTSIDE SCREW & YOKE (VALVE)		
EFF	EFFICIENCY	OUT	OUTLET		
ELEC	ELECTRICAL	OZ	OUNCE		
EMER	EMERGENCY				
ENCL	ENCLOSURE	P	PITCH		
ENG	ENGINEER	PB	LEAD (CHEMICAL ABBREVIATION)		
ENT	ENTRANCE	PD	PLAZA DRAIN, PRESSURE DROP, OR PRESSURE DIFFERENCIAL		
EQ	EQUAL	PDI	PLUMBING DRAINAGE INSTITUTE		
ESS	EMERGENCY SAFETY SHOWER	PE	PROFESSIONAL ENGINEER		
EEW	EMERGENCY EYEWASH	PERIM	PERIMETER		
ESEW	EMERGENCY SHOWER / EYEWASH	PG	PRESSURE GAUGE		
EST	ESTIMATE	PH	PHASE (ELECTRICAL)		
EVAP	EVAPORAT(-E, -ING, -ED, -OR)	PIV	POST INDICATOR VALVE		
EWC	ELECTRIC WATER COOLER	PL	PROPERTY LINE		
EWH	ELECTRIC WATER HEATER	PLBG	PLUMBING		
EWT	ENTERING WATER TEMPERATURE	POC	POINT OF CONNECTION		
EXP	EXPOSED	PPM	PARTS PER MILLION		
EXT	EXTINGUISH	PRESS	PRESSURE		
		PRIM	PRIMARY		
F	FAHRENHEIT	PRV	PRESSURE REDUCING VALVE		
(FA)	FROM ABOVE	PSI	POUNDS PER SQUARE INCH		
FACP	FIRE ALARM CONTROL PANEL	PSIA	POUNDS PER SQUARE INCH ABSOLUTE		
(FB)	FROM BELOW	PSIG	POUNDS PER SQUARE INCH GAUGE		
FCO	FLOOR CLEANOUT	PVC	POLYVINYL CHLORIDE		
FD	FLOOR DRAIN	PWS	PURE WATER SUPPLY		
FDC	FIRE DEPARTMENT CONNECTION	PWR	PURE WATER RETURN		
FDTH	FIRE DEPARTMENT TEST HEADER	PWR	POWER		
FE	FIRE EXTINGUISHER				
FEC	FIRE EXTINGUISHER CABINET	QT	QUART		
FF	FINISHED FLOOR	QTY	QUANTITY		
FFE	FINISHED FLOOR ELEVATION				
FG	FINISH GRADE	R	HYDRAULIC RADIUS		
FH	FIRE HOSE	(R)	RISE		
FHC	FIRE HOSE CABINET	RAD	RADIUS		
FHR	FIRE HOSE RACK	RCP	REFLECTED CEILING PLAN		
FHS	FIRE HOSE STATION	RCVR	RECEIVER		
FHY	FIRE HYDRANT	RD	ROOF DRAIN		
FIXT	FIXTURE	RECIRC	RECIRCULATE		
FLR	FLOOR	REF	REFERENCE		
FND	FOUNDATION	REQD	REQUIRED		
FP	FIRE PROTECTION MAIN	RET	RETURN		
FPM	FEET PER MINUTE	REV	REVISION		
FPS	FEET PER SECOND	RF	ROOF		
FR	FIRE RISER	RH	RIGHT HAND		
FS	FLOOR SINK	RL	ROOF LEADER		
FT	FEET	RM	ROOM		
FU	FIXTURE UNIT	RO	REVERSE OSMOSIS		
FURN	FURNISH	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER		
FUT	FUTURE	RPM	REVOLUTIONS PER MINUTE		
FVC	FIRE VALVE CABINET	RR	ROOF RECEPTOR		
FW	FIRE WATER	RW	RAIN WATER /RECLAIMED WATER /RECYCLED WATER		
		RWC	RAIN WATER CONDUCTOR		
		RWL	RAIN WATER LEADER		

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

taylor | engineers
1080 Marina Village Parkway
Suite 501
Alameda, CA 94501-1142

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

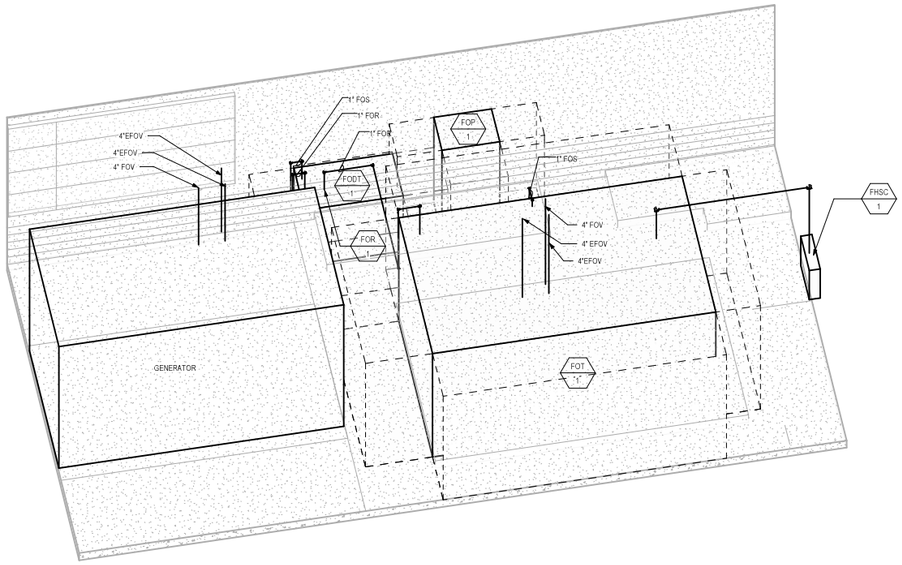
SHEET TITLE

PLUMBING LEGENDS AND ABBREVIATIONS

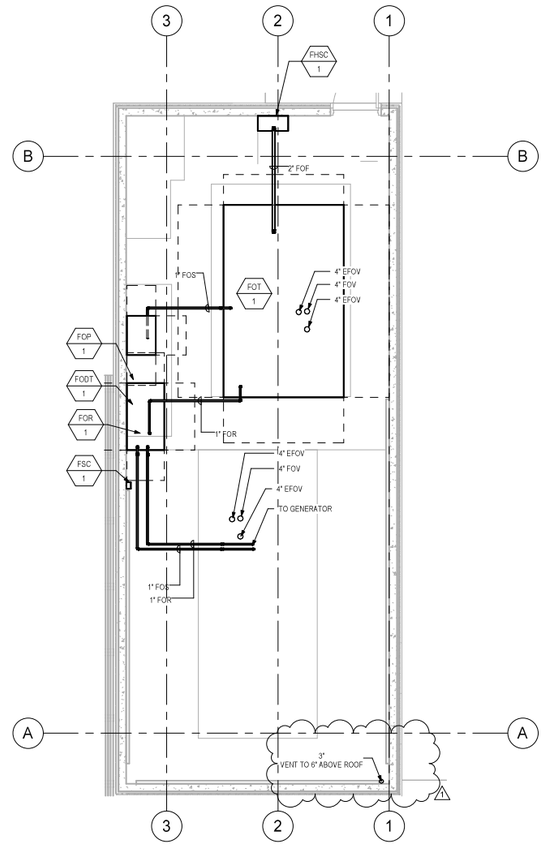
SHEET NUMBER

P0.01

11/13/2023 3:25:55 PM Autodesk Docs://Los Altos EOC/Los AltosEOC_Generator_p_2023.rvt



2 3D-FUEL OIL PIPING



1 PLUMBING- FUEL OIL PIPING PLAN
1/4" = 1'-0"

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

11/13/2023 3:25:55 PM Autodesk Docs://Los Altos EOC/Los Altos EOC_Generator_P_2023.rvt

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

taylor | engineers
1080 Marina Village Parkway
Suite 501
Alameda, CA 94501-1142

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

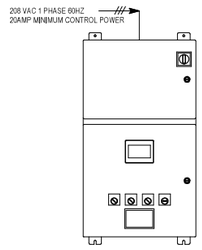
ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
LEVEL 1 PLUMBING FLOOR PLAN

SHEET NUMBER
P2.01



PREFERRED UTILITIES FSC-LEAK AND LEVEL CONTROLLER

INPUTS:

CONTAINMENT PIPE LEAKS
AST SPILL PAN LEAK
AST INTERSTITIAL LEAK
AST VENT LEAK
AST LEVEL SWITCHES
AST LEVEL SENSOR
OVERFILL ALARM SILENCE
PUMP SET FLOW SWITCH
PUMP SET STRAINER DP SWITCH
TANK GAUGE INPUT
DAY TANK SPILL PAN LEAK
DAY TANK INTERSTITIAL LEAK
DAY TANK VENT LEAK
DAY TANK LEVEL SWITCHES
DAY TANK LEVEL SENSOR
GENERATOR RUN SIGNAL MONITOR

OUTPUTS:

AST FILL SOLENOID VALVE
PUMP SET START/STOP (QTY.2)
OVERFILL ALARM HORN
90% OVERFILL ALARM LIGHT AST
90% OVERFILL ALARM DT
DT FILL SOLENOID VALVE
COMMON ALARM HORN
AST DISPLAY IN GALLONS
DAY TANK DISPLAY IN GALLONS
RS485 MODBUS TO BMS

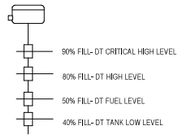
FIRE SYSTEM DRY CONTACT OUTPUTS

DT LOW LEVEL
DT CRITICAL HIGH LEVEL

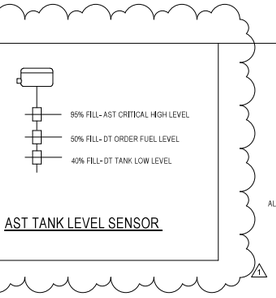
GENERATOR DRY CONTACT OUTPUTS

DT LOW LEVEL

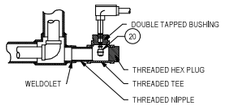
SECONDARY CONTAINMENT PIPING



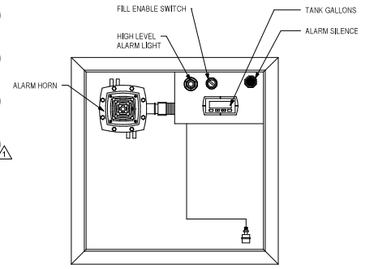
DAY TANK LEVEL SWITCH



AST TANK LEVEL SENSOR



CONTAINMENT PIPING LOW POINT LEAK DETECTION (AS REQUIRED)



REMOTE FILL STATION

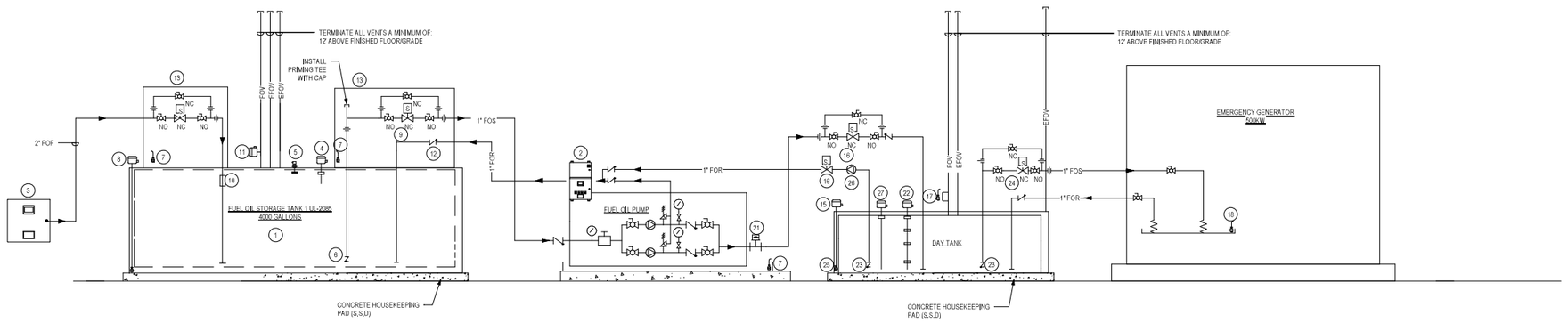
ⓝ NUMBERED NOTES:

1. ABOVEGROUND STORAGE TANK - 4000 GALLONS UL-2085
2. ATPSF-103-120-50-D-DP-L-TG1 - DUPLEX PUMP SET WITH CONTROLLER, 1/3HP, 208V, SINGLE PHASE BY PREFERRED UTILITILITIES
3. CUSTOM HORIZONTAL SPILL CONTAINER - CARBON STEEL, 5 GALLON CONTAINMENT WITH FILL ENABLE BY PREFERRED UTILITIES
4. FLOAT TYPE STORAGE TANK HIGH LEVEL SWITCH #PLS-1 BY PREFERRED UTILITIES
5. WIRE FLOAT LEVEL SENSOR #TG-EL-WF-12 BY PREFERRED UTILITIESS BY PREFERRED UTILITIES
6. SINGLE POPPET FOOT VALVE BY PREFERRED UTILITIES
7. FLOAT TYPE LEAK SWITCH #PS-LDS BY PREFERRED UTILITIES
8. DISCRIMINATING LEAK SENSOR #HC-A2-C BY PREFERRED UTILITIES
9. SOLENOID VALVE - NORMALLY CLOSED - 120 VAC BY PREFERRED UTILITIES
10. OVERFILL PREVENTION VALVE #61 F-STOP BY PREFERRED UTILITIES
11. FLOAT TYPE VENT LEAK SWITCH #RBS BY PREFERRED UTILITIES
12. SWING CHECK VALVE
13. MAIN TANK TOP CONTAINMENT SUMP
14. NOT USED
15. DAY TANK LEAK SWITCH MODEL PLS-1 BY PREFERRED UTILITIES
16. DAY TANK INLET AND RETURN SOLENOIDS 120 VAC N.C. BY PREFERRED UTILITIES
17. DAY TANK VENT LEAK SWITCH MODEL RBS BY PREFERRED UTILITIES
18. SPILL PAN LEAK MODEL PS-LDS BY PREFERRED UTILITIES
19. TANK FLOOR LEAK DETECTOR MODEL PS-LDS BY PREFERRED UTILITIES
20. CONTAINMENT PIPE LEAK DETECTOR MODEL F-LDS BY PREFERRED UTILITIES
21. PUMP SET DISCHARGE FLOW SWITCH MODEL 11160-5 BY PREFERRED UTILITIES
22. DAY TANK 4 POSITION LEVEL SWITCH - PLS-4 BY PREFERRED UTILITIES
23. SINGLE POPPET FOOT VALVE BY PREFERRED UTILITIES
24. 24 VDC SOLENOID VALVE CONTROLLED BY GENERATOR PANEL
25. DOUBLE WALL DAY TANK RUPTURE BASIN - DWDT-160 BY PREFERRED UTILITIES
26. DAY TANK RETURN PUMP AND MOTOR ASSY 11872 BY PREFERRED UTILITIES - 480 GPH @ 15 PSI,1/4HP, 120 VAC.
27. DAY TANK 4-20 mA LEVEL SENSOR BY PREFERRED UTILITIES

BALL VALVE
CHECK VALVE
SIGHT FLOW GLASS
DOUBLE POPPET FOOT VALVE
SINGLE POPPET FOOT VALVE
SOLENOID VALVE
OIL FLOW SWITCH
FLOW RESTRICTOR

NOTE:

LOCATE GENERATOR SUPPY AND RETURN PIPING AS LOW AS POSSIBLE TO ACCOMODATE GENERATOR PUMP SUCTION AND DISCHARGE CAPACITY



CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

taylor | engineers
1080 Marina Village Parkway,
Suite 501
Alameda, CA 94501-1142

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

⚠	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

PLUMBING DETAILS

SHEET NUMBER

P4.01

11/13/2023 3:25:56 PM Autodesk Docs://Los Altos EOC/Los AltosEOC_Generato_P_2023.rvt

SYMBOLS LIST

FSD	FIRE SMOKE DAMPER BY MECHANICAL. COORDINATE WITH MECHANICAL FOR MONITORING TO FIRE ALARM SYSTEM (INCLUDING SMOKE DETECTOR PROVISIONS). CONTROL OF DAMPER TO BE BY MECHANICAL, U.O.N. PROVIDE TOGGLE TYPE DISCONNECT SWITCH
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
▪	WEATHERPROOF ENCLOSURE
———	CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
— — —	CONDUIT AND WIRE CONCEALED IN OR UNDER SLAB OR UNDERGROUND
— — —	CONDUIT AND WIRE RUN EXPOSED
	CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR (INCLUDED BUT NOT INDICATED), NO HASHMARKS INDICATES (2)#12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, U.O.N.
	GROUND WIRE
(#10)	WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE, THROUGHOUT THE COMPLETE CIRCUIT
	FLEXIBLE METALLIC CONDUIT
	HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
	COMPLETE CONNECTION OF EQUIPMENT
	CONDUIT STUBBED OUT, CAPPED AND MARKED
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
G	#4/0 COPPER GROUNDING ELECTRODE CONDUCTOR, U.O.N.
AC-1	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
3 / E-6	DETAIL DESIGNATION - SEE DETAIL 3, SHEET E-6
1	NUMBERED SHEET NOTE
M	UTILITY METER
C.T.	CURRENT TRANSFORMERS
30A 3P	CIRCUIT BREAKER. NUMBER INDICATES 30A 3-POLE
1504N	FEEDER SIZE - SEE POWER SINGLE LINE DIAGRAMS & FEEDER SCHEDULE

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
C	CONDUIT
CATV	CABLE TV
C.O.	CONDUIT ONLY
CU	COPPER
E.C.	ELECTRICAL CONTRACTOR
E	EMERGENCY LIGHT FIXTURE ON EMERGENCY INVERTER, SWITCHABLE, U.O.N.
EMS	ENERGY MANAGEMENT SYSTEM
(E)	EXISTING
EQPT	EQUIPMENT
(ER)	EXISTING EQUIPMENT TO BE RELOCATED
(EX)	EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
EXT	EXTERIOR
FMC	FLEXIBLE METALLIC CONDUIT
GFI	GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
L	LOCKABLE
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N.E.C.	NATIONAL ELECTRICAL CODE
NEU	NEUTRAL
N.I.E.C.	NOT IN ELECTRICAL CONTRACT
O.A.H.	OVERALL HEIGHT
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
P	INDICATES FIXTURES ON PHOTOCELL CONTROL
PA	PUBLIC ADDRESS
PNL	PANEL
S.A.D.	SEE ARCHITECTURAL DRAWINGS
STC	SIGNAL TERMINAL CABINET
TC	INDICATES FIXTURES ON TIMECLOCK CONTROL
TELE	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
U.O.N.	UNLESS OTHERWISE NOTED
VAV	VAV BOX, SEE MECHANICAL DIVISION DRAWINGS FOR LOCATIONS. PROVIDE TOGGLE TYPE DISCONNECT SWITCH
WP	WEATHER PROOF, NEMA 3R
WPIU	WEATHER PROOF WHILE IN USE

SYMBOLS LIST

IR	ISOLATED RELAY INTERFACE; SEE DETAILS FOR TYPE
EC	EMERGENCY LIGHTING CONTROL MODULE
P	OCCUPANCY SENSOR POWER PACK MOUNTED IN CONCEALED ACCESSIBLE LOCATION
	MAIN SWITCHBOARD, DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
	FLUSH MOUNTED PANELBOARD, 6'-6" TO TOP
	SURFACE MOUNTED PANELBOARD, 6'-6" TO TOP
	FUSED EQUIPMENT DISCONNECT SWITCH WITH FUSE SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER
	MOTOR DISCONNECT SWITCH; HORSEPOWER RATED, NON FUSE
	COMBINATION MOTOR STARTER & DISCONNECT, SEE 8/E7.02
VFD	VARIABLE FREQUENCY DRIVE, FURNISHED BY MECHANICAL, INSTALLED & CONNECTED COMPLETE BY ELECTRICAL
	MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	MOTOR WITH FLEXIBLE CONDUIT CONNECTION AND DISCONNECT
T	TRANSFORMER
	CONCRETE PULLBOX, SIZE AS REQUIRED OR SHOWN - CHRISTY OR EQUAL WITH LABELED LID PER USE
	EV CHARGER
	COPPER GROUND ROD
J	FLUSH CEILING MOUNTED JUNCTION BOX, U.O.N.
J	FLUSH WALL MOUNTED JUNCTION BOX, +15"A.F.F. MIN. TO BOTTOM OF BOX
J	JUNCTION BOX FLUSH FLOOR MOUNTED
	20A 3PG 125V DUPLEX RECEPTACLE, +15"A.F.F. MIN. TO BOTTOM OF BOX
	20A 3PG 125V DUPLEX RECEPTACLE, WEATHERPROOF, +15"A.F.F. MIN. TO BOTTOM OF BOX
GFI	20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE, +15"A.F.F. MIN. TO BOTTOM OF BOX
IG	20A 3PG 125V DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, +15"A.F.F. MIN. TO BOTTOM OF BOX
T	20A 3PG 125V DUPLEX RECEPTACLE, TAMPER RESISTANT, +15"A.F.F. MIN. TO BOTTOM OF BOX
	20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, +15"A.F.F. MIN. TO BOTTOM OF BOX
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V SINGLE RECEPTACLE, +15"A.F.F. MIN. TO BOTTOM OF BOX
	20A 3PG 125V SINGLE TWISTLOCK RECEPTACLE, NEMA L5-20R, +15"A.F.F. MIN. TO BOTTOM OF BOX
	SPECIAL RECEPTACLE AS INDICATED ON PLANS
	CONTROLLED AND IDENTIFIED (SPLIT-WIRED) DUPLEX RECEPTACLE, WITH ONE HALF OF RECEPTACLE WIRED THROUGH LOCAL PLUG-LOAD CONTROLLER, +15"A.F.F. MIN. TO BOTTOM OF BOX
	CONTROLLED AND IDENTIFIED 20A 3PG 125V DUPLEX RECEPTACLE
	FLUSH IN FLOOR OUTLET BOX WITH QUANTITY OF 20A 3PG 125V DUPLEX RECEPTACLES AS INDICATED ON PLANS
	SURFACE MOUNTED WIREMOLD RACEWAY WITH RECEPTACLES AS INDICATED ON PLANS
	TERMINAL MOUNTING BACKBOARD, 3/4" PLYWOOD, DIMENSIONS AS NOTED ON PLANS, PAINT TO MATCH ADJACENT WALL SURFACE, MAINTAINING UL FIRE LABEL VISIBLE
	TELEPHONE OUTLET, +15"A.F.F. MIN. TO BOTTOM OF BOX
	ADAT OUTLET, +15"A.F.F. MIN. TO BOTTOM OF BOX
F	FIRE ALARM SYSTEM MANUAL PULL STATION, +48"A.F.F. MAX. TO TOP OF BOX
F 110	FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
F 110	WEATHERPROOF FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
S 110	FIRE ALARM SYSTEM STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
H	WEATHERPROOF FIRE ALARM SYSTEM HORN, UP 90" U.O.N.
V 110	FIRE ALARM SYSTEM SPEAKER/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
S	FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
S	WEATHERPROOF FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
FS	FIRE ALARM SYSTEM SPEAKER, CEILING MOUNTED
HD	WALL MOUNTED ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE, FURNISHED BY DIV. 8, INSTALLED & CONNECTED COMPLETE TO FIRE ALARM SYSTEM BY DIV. 28
FS	FIRE ALARM SYSTEM SPRINKLER FLOW SWITCH. PROVIDE MONITOR MODULE
TS	FIRE ALARM SYSTEM SPRINKLER VALVE SUPERVISORY SWITCH. PROVIDE MONITOR MODULE
PIV	POST INDICATING VALVE
B	SPRINKLER FLOW ALARM (PROVIDE BY SPRINKLER CONTRACTOR). CONNECT COMPLETE VIA WATER FLOW SWITCH AUX. CONTACTS
S	FIRE ALARM SYSTEM SMOKE DETECTOR
H	FIRE ALARM SYSTEM HEAT DETECTOR
D	FIRE ALARM SYSTEM HVAC DUCT MOUNTED SMOKE DETECTOR. COORDINATE WITH MECHANICAL FOR SUPPLY, INSTALL AND COMPLETE CONNECTION (INCLUDING CONTROL OF HVAC EQUIPMENT) - SEE SPECIFICATIONS
M	FIRE ALARM SYSTEM MONITOR MODULE
C	FIRE ALARM SYSTEM CONTROL MODULE
CO	FIRE ALARM SYSTEM CEILING MOUNTED CARBON MONOXIDE DETECTOR WITH SOUNDER BASE
H	FIRE ALARM SYSTEM MAGNETIC DOOR HOLD-OPEN
	FIRE ALARM SYSTEM END-OF-LINE RESISTOR

SYMBOLS LIST

ALL SWITCH AND CONTROL MOUNTING HEIGHTS OF 48" SHALL BE TO TOP OF THE DEVICE BOX. ALL RECEPTACLES WITH MOUNTING HEIGHT OF UP TO 18" SHALL BE NO LOWER THAN 15" TO BOTTOM OF THE DEVICE BOX, TYPICAL, U.O.N.

C1	INDICATES LUMINAIRE TYPE
	RECESSED 2'x2' OR 2'x4' LUMINAIRE, EDGE-LIT FLAT LENS
	SURFACE CEILING OR COVE MOUNTED LUMINAIRE
	UNDER CABINET LUMINAIRE
	SURFACE OR SUSPENDED LENSED STRIPLIGHT
	SURFACE MOUNTED LUMINAIRE
	RECESSED LUMINAIRE WITH DECORATIVE TRIM
	RECESSED DOWNLIGHT LUMINAIRE
	RECESSED WALLWASH LUMINAIRE
	WALL MOUNTED LUMINAIRE
	WALL MOUNTED EXIT SIGN, ARROWS AS NOTED ON PLANS. SHADED AREA INDICATES NUMBER OF FACES
	CEILING MOUNTED EXIT SIGN, ARROWS AS NOTED ON PLANS. SHADED AREA INDICATES NUMBER OF FACES
$a	LINE VOLTAGE SINGLE POLE TOGGLE SWITCH, LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, +48"A.F.F. MAX. TO TOP OF BOX
$2	LINE VOLTAGE TWO POLE TOGGLE SWITCH, +48"A.F.F. MAX. TO TOP OF BOX
$3	LINE VOLTAGE THREE-WAY TOGGLE SWITCH, +48"A.F.F. MAX. TO TOP OF BOX
$k	LINE VOLTAGE KEY OPERATED TOGGLE SWITCH
$m	LINE VOLTAGE MOTOR RATED TOGGLE SWITCH INSTALLED AT EQPT SHOWN
$p	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, LIGHT IS ON WHEN CIRCUIT IS CLOSED, +48"A.F.F. MAX. TO TOP OF BOX
Sab	LOW VOLTAGE MOMENTARY CONTACT SWITCH
kSab	LOW VOLTAGE KEYED MOMENTARY CONTACT SWITCH
aOSb	WALL MOUNTED SWITCH TYPE INFRARED OCCUPANCY SENSOR; +48"A.F.F. MAX. TO TOP OF BOX; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
aDSb	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR; +48"A.F.F. MAX. TO TOP OF BOX; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
EM	EMERGENCY LIGHT WITH INTEGRAL BATTERY 1

BASIS OF DESIGN

1. THE LOAD CALCULATION ON E6-1 USES THE RECORDED MAXIMUM DEMAND DATA OBTAINED FROM PG&E OVER A 12-MONTH PERIOD, CEC 220.87.

   THE MAX PV SYSTEM OUTPUT IS ADDED TO THE PG&E DATA TO ESTABLISH THE ESTIMATED WORST CASE DEMAND LOAD ON THE EXISTING DISTRIBUTION SYSTEM AT THE COMMUNITY CENTER.

   THE PV SYSTEM WILL NOT BE AVAILABLE DURING A PG&E POWER OUTAGE. THE PV OUTPUT DATA WAS USED FOR THE LOAD CALCULATION, AS DURING A POWER OUTAGE THE GENERATOR WOULD NEED TO PROVIDE A LOAD EQUIVALENT TO THE WHAT PG&E WOULD PROVIDE TOGETHER WITH THE MAX PV INPUT.
2. USING THE LOAD CALCULATION DATA ABOVE, A 500KW GENERATOR WAS SELECTED.
3. THE INTENT OF THE PORTABLE GENERATOR HOOK-UP AND MANUAL TRANSFER SWITCH IS TO ALLOW FOR CONNECTION OF A PORTABLE GENERATOR SHOULD THE NEW PERMANENT GENERATOR BE OFFLINE FOR MAINTENANCE. THE PORTABLE GENERATOR IS NOT INTENDED TO OPERATE IN PARALLEL WITH THE NEW GENERATOR 'EG'.
4. THE RATINGS OF THE RELOCATED PORTABLE HOOK-UP EQUIPMENT IS RATED AT 1200AMPS, AND THE NEW MANUAL TRANSFER SWITCH IS RATED AT 800AMPS BASED ON THE 800AMP GENERATOR OUTPUT BREAKER FOR THE COMMUNITY CENTER ONLY.
5. THE EXISTING COMMUNITY CENTER HAS TWO EMERGENCY LIGHTING INVERTERS AND FIRE ALARM EQUIPMENT WITH BATTERY BACK UP IN COMPLIANCE WITH CEC ARTICLE 700 EMERGENCY LIFE SAFETY SYSTEMS. THE NEW GENERATOR IS NOT INTENDED TO PROVIDE FOR ARTICLE 700 LOADS.
6. THE SCOPE OF THIS PROJECT IS TO INSTALL A NEW GENERATOR FOR STAND-BY BACK-UP POWER TO THE COMMUNITY CENTER AND A FUTURE STAND-BY CONNECTION TO ANOTHER CITY ADMIN SPACE. THE NEW GENERATOR WILL NOT REPLACE THE EXISTING EMERGENCY LIGHTING INVERTERS OR FIRE ALARM EQUIPMENT IN THE COMMUNITY CENTER.
7. BASED ON THIS APPROACH THE GENERATOR WAS NOT CONSIDERED TO BE REQUIRED TO BE DESIGNED TO MEET CEC ARTICLE 700 OR 701. THE GENERATOR DESIGN IS BASED ON CEC ARTICLE 702, OPTIONAL STANDBY SYSTEMS.

1

SPECIAL TESTING

IN ADDITION TO THE TESTING IN THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL CARRY OUT THE FOLLOWING TESTS:

TESTING SHALL BE CARRIED OUT TO ENSURE THAT ALL EMERGENCY LOADS ARE WORKING AND FUNCTIONING ON EMERGENCY POWER.

1. SIMULATE A LOSS OF NORMAL POWER TO NEW AUTOMATIC TRANSFER SWITCH 'ATS-1' BY SWITCHING OFF THE MAIN BREAKER IN THE MAIN SWITCHBOARD.
2. RUN THE EMERGENCY LOADS ON THE GENERATOR FOR UP TO FOUR HOURS TO CONFIRM ALL LOADS ARE AVAILABLE FOR BUILDING OPERATION.
3. AFTER TESTING RETURN 'ATS-1' TO NORMAL POWER.
4. CONTRACTOR SHALL PLAN TO DO THIS TESTING OVER A WEEKEND AFTER NORMAL OPERATING HOURS.
5. CONTRACTOR SHALL INCLUDE IN THEIR BID THE FIRST FULL DIESEL TANK FUEL SUPPLY.

GENERAL NOTES

1. PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
2. PROVIDE PARITY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (LIGHTING & POWER) AND HOMERUNS. PROVIDE ADDITIONAL ISOLATED GROUND, GREEN WITH YELLOW STRIPE, TO ALL ISOLATED GROUND RECEPTACLES.
3. PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
4. VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE(S), MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL OWNER-SUPPLIED EQUIPMENT, AND ALL EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
5. COORDINATE TRENCHING WITH OWNER AND OTHER TRADES BEFORE BEGINNING WORK.
6. ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATION ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATING.
7. DO NOT INSTALL ANY OUTLETS BACK TO BACK IN STUD WALLS OR DE-MOUNTABLE PARTITIONS.
8. CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
9. MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE SPECIFICATIONS, AND/OR CALLED FOR IN THE SPECIFICATIONS.
10. DRAWINGS INDICATE THE LOCATION(S) OF DEVICES, LUMINAIRE(S) AND EQUIPMENT, AND THE CIRCUIT NUMBER AND PANEL DESIGNATED TO SUPPLY THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
11. UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED COMPLETE UNDER THIS CONTRACT.
12. ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
13. ALL EXTERIOR CONDUIT ABOVE GRADE, INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE GALVANIZED RIGID STEEL. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT. PAINT ALL SURFACE MOUNTED RACEWAYS AND PULLBOXES TO MATCH SURROUNDING CONDITIONS, AS DIRECTED BY THE ARCHITECT.
14. ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE 2022 EDITION OF THE C.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
15. ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
16. EQUIPMENT OVERLOADS AND FUSES SHALL BE PROVIDED AND INSTALLED AS PER NAME PLATE ON THE EQUIPMENT ACTUALLY PROVIDED.
17. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
18. USE FLEXIBLE CONDUIT FOR ALL MOTOR, TRANSFORMER, RECESSED LUMINAIRE CONNECTIONS, AND CONNECTIONS BETWEEN TWO SEPARATE STRUCTURES AND FOR ALL FINAL CONNECTIONS TO "CRITICAL EQUIPMENT" AS DEFINED IN SPECIFICATIONS. MINIMUM 1/2" DIAMETER, LIQUID TIGHT TYPE USED OUTDOORS AND IN ALL WET LOCATIONS; PROVIDE WITH CODE-SIZE (MINIMUM #12) BARE GROUND WIRE IN ALL FLEXIBLE CONDUIT.
19. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS.
20. ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER-MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
21. ALL CIRCUITS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "EZ" NUMBERING TAGS OR EQUIVALENT, TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS.
22. ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE "WIREMOLD" TYPE, WITH MATCHING RACEWAYS. SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR EMT ARE NOT ACCEPTABLE.
23. ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANEL COVERS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH EXISTING STRIPING OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT JUNCTION BOX LOCATION(S) AND ROUTING OF EXPOSED RACEWAYS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
24. PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
25. FOR OUTDOOR 15 AND 20-AMPERE, 125 AND 250-VOLT RECEPTACLES: RECEPTACLES LOCATED IN "WET" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES PROVIDED AND INSTALLED; RECEPTACLES LOCATED IN "DAMP" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES IN LOCATIONS DEEMED TO BE "IN-USE" WITH CORD AND PLUG ATTACHED.
26. PROVIDE PANEL AND CIRCUIT DESIGNATION LABELS FOR ALL RECEPTACLES AND DISCONNECTS ON THE PROJECT.
27. ALL ELECTRICAL EQUIPMENT MUST BE UL LISTED OR APPROVED BY AN ACCREDITED THIRD PARTY TESTING AGENCY.

SPECIAL NOTE

ALL POWER INTERRUPTIONS SHALL BE SCHEDULED MINIMUM TWO WEEKS IN ADVANCE WITH THE OWNER AND CAN ONLY OCCUR IN THE MIDDLE OF THE NIGHT FROM MIDNIGHT TO 5AM OR WEEKENDS/HOLIDAYS OR AT OTHER TIMES IF APPROVED IN ADVANCE BY THE OWNER.

LIST OF DRAWINGS

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.commconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

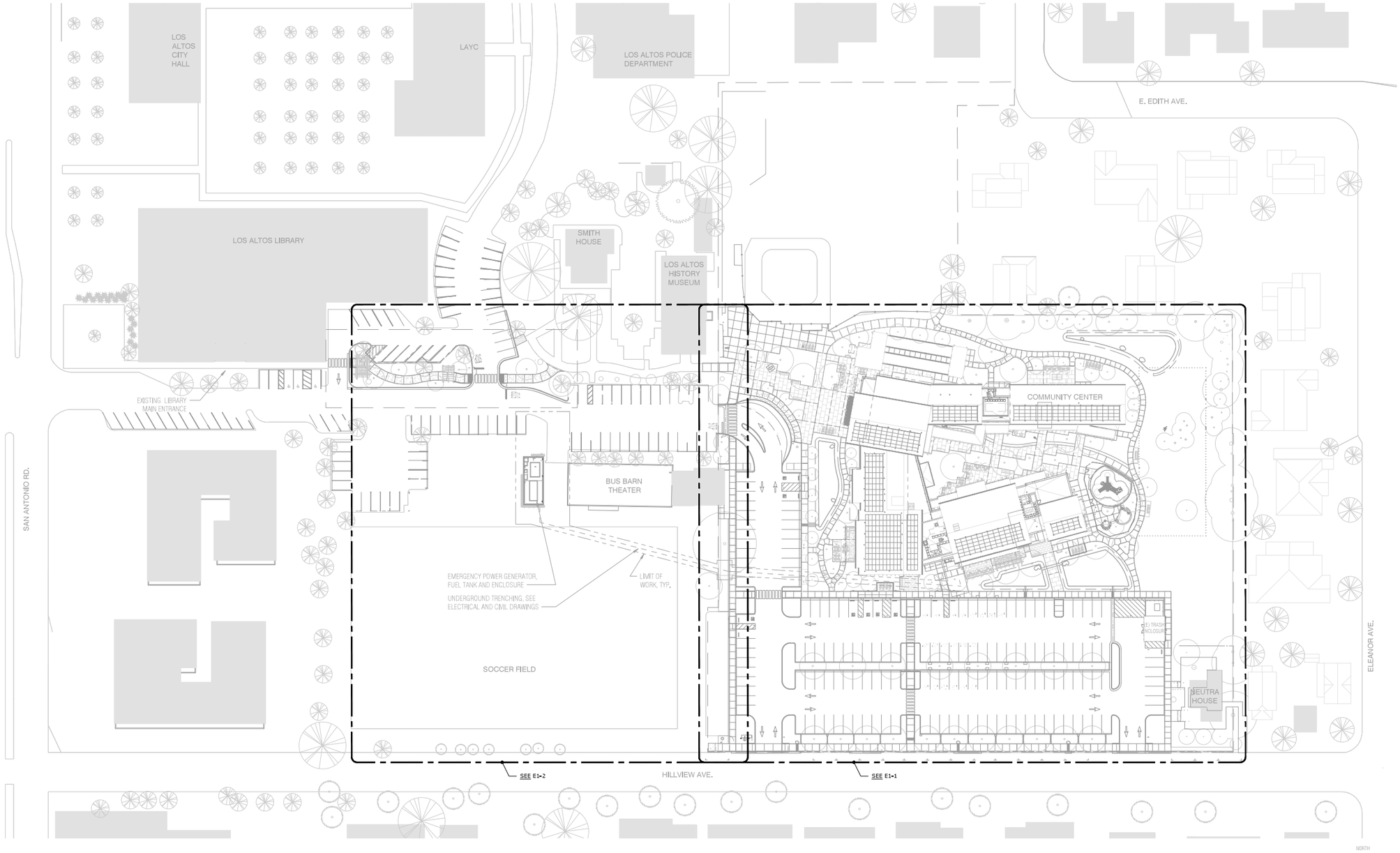
SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS

SHEET NUMBER

E0-1

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_LP-1_LA-EOC - CD-222056.dwg, 11/13/2023 11:24:19 AM, tvessels
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_ArchCentral_2023.rvt

LOS ALTOS EOC – 222056 – CONSTRUCTION DOCUMENTS



CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

CIVIC CAMPUS PLAN EOC - ELECTRICAL

SCALE: 1" = 40'-0"

1 E1-0

0' 20' 40' 80'

5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E1-x_LA-EOC - CD-222056.dwg, 11/13/2023 11:24:35 AM, tvesselk

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

CIVIC CAMPUS PLAN EOC - ELECTRICAL

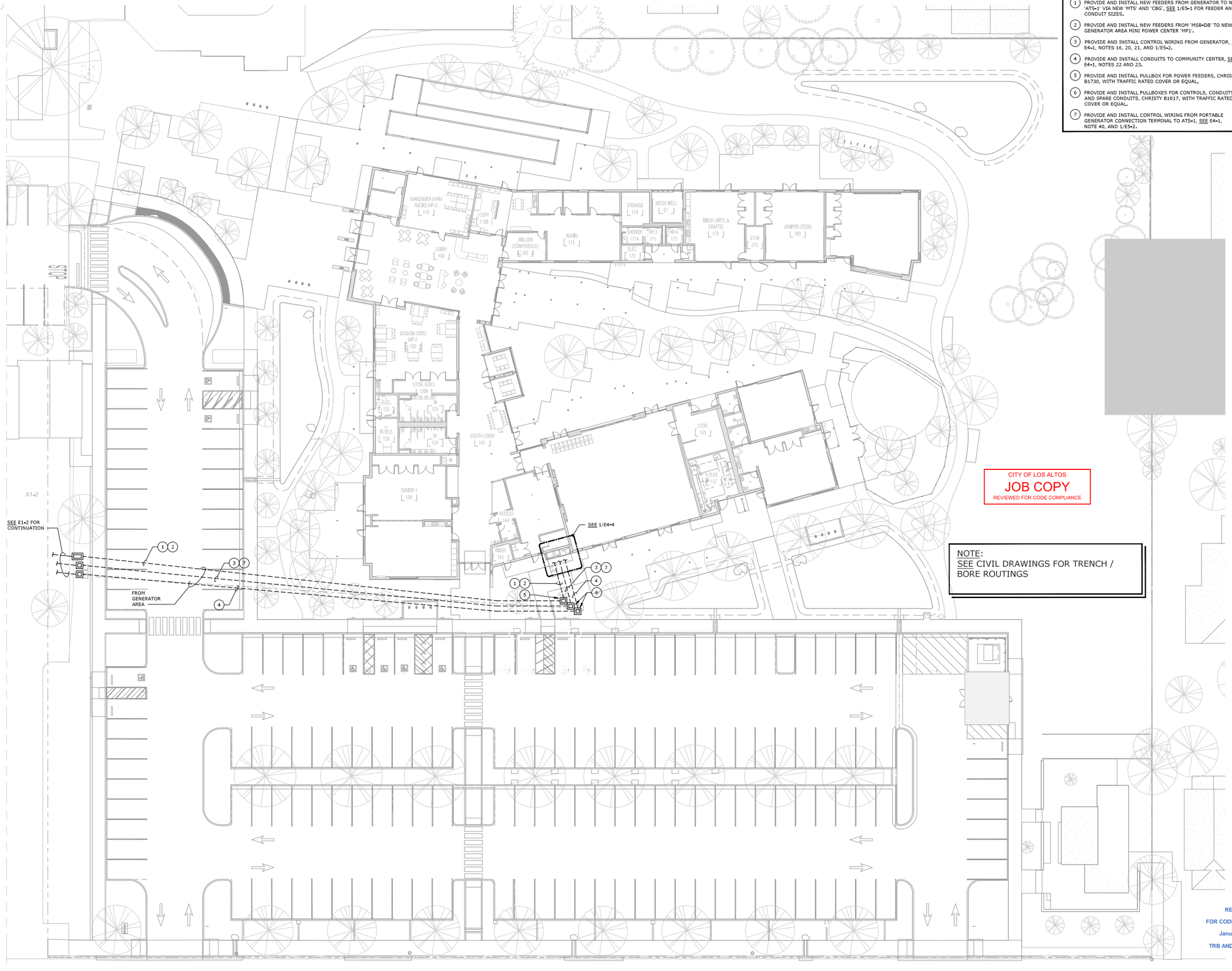
SHEET NUMBER

E1-0

LOS ALTOS EOC - 222056 - CONSTRUCTION DOCUMENTS

NUMBERED SHEET NOTES

1. PROVIDE AND INSTALL NEW FEEDERS FROM GENERATOR TO NEW 'ATS-1' VIA NEW 'MTS' AND 'CBG', SEE 1/E5-1 FOR FEEDER AND CONDUIT SIZES.
2. PROVIDE AND INSTALL NEW FEEDERS FROM 'MSB-DB' TO NEW GENERATOR AREA MINI POWER CENTER 'MP1'.
3. PROVIDE AND INSTALL CONTROL WIRING FROM GENERATOR, SEE E4-1, NOTES 16, 20, 21, AND 1/E5-2.
4. PROVIDE AND INSTALL CONDUITS TO COMMUNITY CENTER, SEE E4-1, NOTES 22 AND 23.
5. PROVIDE AND INSTALL PULLBOX FOR POWER FEEDERS, CHRISTY B1730, WITH TRAFFIC RATED COVER OR EQUAL.
6. PROVIDE AND INSTALL PULLBOXES FOR CONTROLS, CONDUITS AND SPARE CONDUITS, CHRISTY B1017, WITH TRAFFIC RATED COVER OR EQUAL.
7. PROVIDE AND INSTALL CONTROL WIRING FROM PORTABLE GENERATOR CONNECTION TERMINAL TO ATS-1, SEE E4-1, NOTE 40, AND 1/E5-2.



CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

NOTE:
SEE CIVIL DRAWINGS FOR TRENCH / BORE ROUTINGS

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

SITE PLAN EOC - ELECTRICAL

SCALE: 1/16" = 1'-0"

1 / E1-1

0' 8' 16' 32'

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

REGISTERED PROFESSIONAL ENGINEER
No. E14738
Exp. 6/25
ELECTRICAL
STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

⚠	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

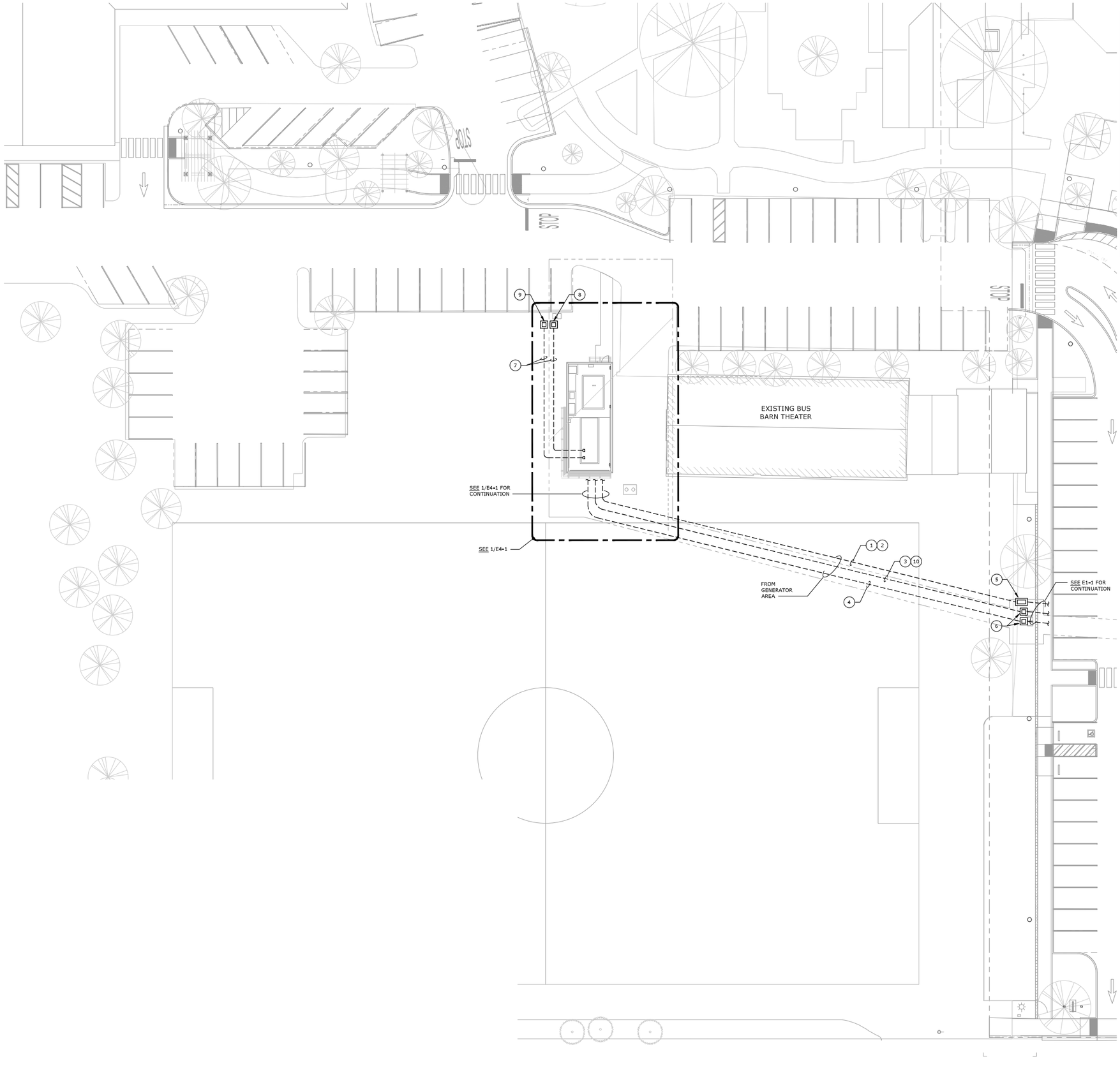
SITE PLAN EOC - ELECTRICAL

SHEET NUMBER

E1-1

P:\22221\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E1-1_LA-EOC - CD-222056.dwg, 11/13/2023 11:24:41 AM, hressib
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

LOS ALTOS EOC - 222056 - CONSTRUCTION DOCUMENTS



NUMBERED SHEET NOTES

1. PROVIDE AND INSTALL NEW FEEDERS FROM GENERATOR TO NEW 'ATS-1' VIA NEW 'MTS' AND 'CBG', SEE 1/E5-1 FOR FEEDER AND CONDUIT SIZES.
2. PROVIDE AND INSTALL NEW FEEDERS FROM 'MSB-DB' TO NEW GENERATOR AREA MINI POWER CENTER 'MP1'.
3. PROVIDE AND INSTALL CONTROL WIRING FROM GENERATOR, SEE E4-1, NOTES 16, 20, 21, AND 1/E5-2.
4. PROVIDE AND INSTALL CONDUITS TO COMMUNITY CENTER, SEE E4-1, NOTES 22 AND 23.
5. PROVIDE AND INSTALL PULLBOX FOR POWER FEEDERS, CHRISTY B1730, WITH TRAFFIC RATED COVER OR EQUAL.
6. PROVIDE AND INSTALL PULLBOXES FOR CONTROLS, CONDUITS AND SPARE CONDUITS, CHRISTY B1017, WITH TRAFFIC RATED COVER OR EQUAL.
7. PROVIDE AND INSTALL UNDERGROUND CONDUITS FOR FUTURE EMERGENCY POWER AND CONTROLS FOR THE YOUTH CENTER OFFICE CONVERSION PROJECT, SEE 1/E4-1 AND 1/E5-1.
8. PROVIDE AND INSTALL PULLBOX, CHRISTY TYPE B1730 WITH RATED TRAFFIC COVER. COORDINATE LOCATION.
9. PROVIDE AND INSTALL PULLBOX, CHRISTY TYPE B1017 WITH RATED TRAFFIC COVER. COORDINATE LOCATION.
10. PROVIDE AND INSTALL CONTROL WIRING FROM PORTABLE GENERATOR CONNECTION TERMINAL TO ATS-1, SEE E4-1, NOTE 40, AND 1/E5-2.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NOTE:
SEE CIVIL DRAWINGS FOR TRENCH / BORE ROUTINGS.

NOTE:
SEE 2/E7-1 FOR TYPICAL TRENCH SECTION, TYPICAL THIS PROJECT. SEE 5/E7-1 FOR PULLBOX DETAIL

SITE PLAN WEST - ELECTRICAL
SCALE: 1/16" = 1'-0"

0' 8' 16' 32'

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

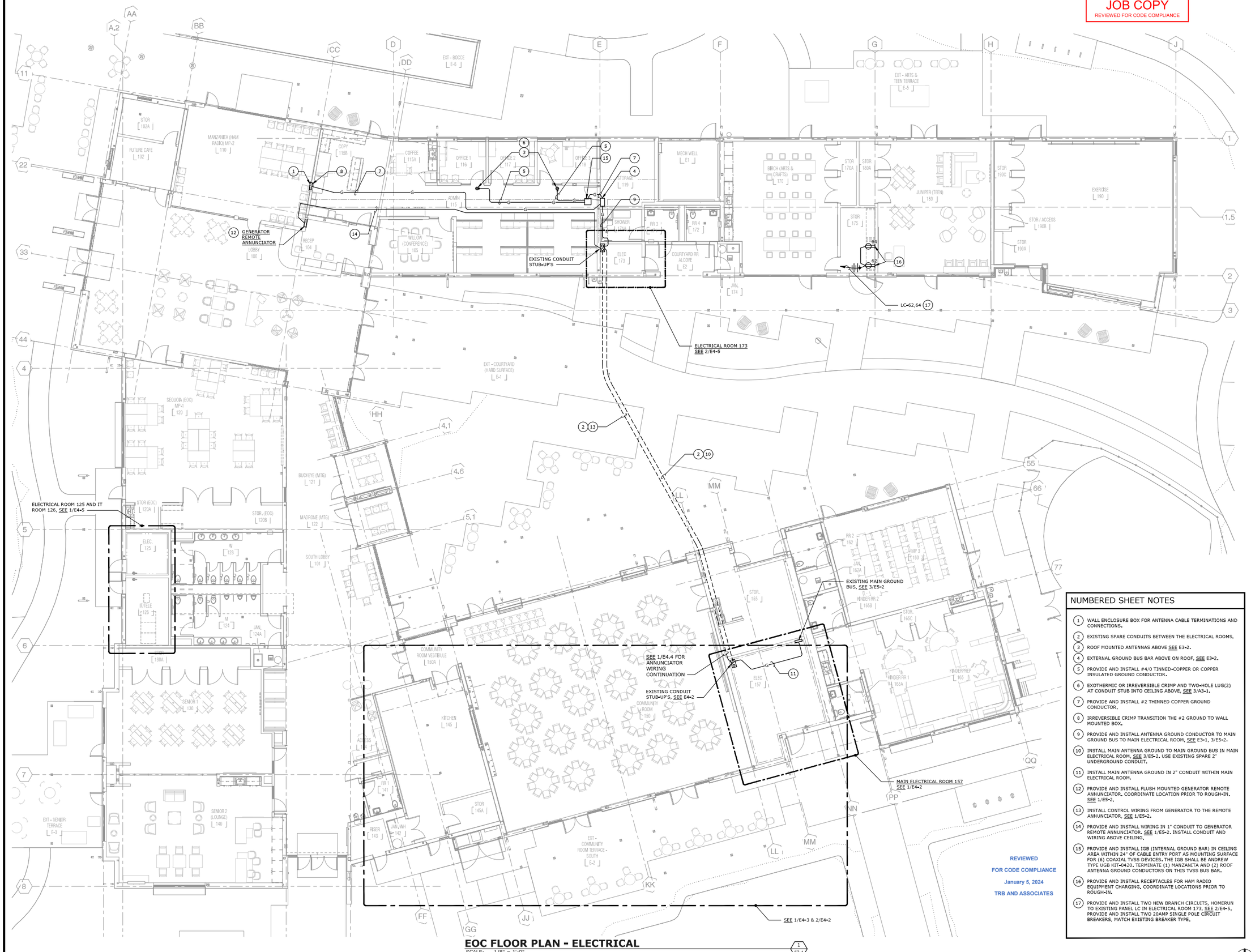
	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
SITE PLAN WEST - ELECTRICAL

SHEET NUMBER
E1-2

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E1-2_LosEOC - CD-222056.dwg, 11/13/2023 11:24:47 AM, tvessels
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



EOC FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

1 / E3-1

NUMBERED SHEET NOTES

1. WALL ENCLOSURE BOX FOR ANTENNA CABLE TERMINATIONS AND CONNECTIONS.
2. EXISTING SPARE CONDUITS BETWEEN THE ELECTRICAL ROOMS.
3. ROOF MOUNTED ANTENNAS ABOVE SEE E3-2.
4. EXTERNAL GROUND BUS BAR ABOVE ON ROOF, SEE E3-2.
5. PROVIDE AND INSTALL #4/0 TINNED-COPPER OR COPPER INSULATED GROUND CONDUCTOR.
6. EXOTHERMIC OR IRREVERSIBLE CRIMP AND TWO-HOLE LUG(2) AT CONDUIT STUB INTO CEILING ABOVE, SEE 3/A3-1.
7. PROVIDE AND INSTALL #2 THINNED COPPER GROUND CONDUCTOR.
8. IRREVERSIBLE CRIMP TRANSITION THE #2 GROUND TO WALL MOUNTED BOX.
9. PROVIDE AND INSTALL ANTENNA GROUND CONDUCTOR TO MAIN GROUND BUS TO MAIN ELECTRICAL ROOM, SEE E3-1, 3/E5-2.
10. INSTALL MAIN ANTENNA GROUND TO MAIN GROUND BUS IN MAIN ELECTRICAL ROOM, SEE 3/E5-2. USE EXISTING SPARE 2" UNDERGROUND CONDUIT.
11. INSTALL MAIN ANTENNA GROUND IN 2" CONDUIT WITHIN MAIN ELECTRICAL ROOM.
12. PROVIDE AND INSTALL FLUSH MOUNTED GENERATOR REMOTE ANNUNCIATOR. COORDINATE LOCATION PRIOR TO ROUGH-IN. SEE 1/E5-2.
13. INSTALL CONTROL WIRING FROM GENERATOR TO THE REMOTE ANNUNCIATOR, SEE 1/E5-2.
14. PROVIDE AND INSTALL WIRING IN 1" CONDUIT TO GENERATOR REMOTE ANNUNCIATOR. SEE 1/E5-2. INSTALL CONDUIT AND WIRING ABOVE CEILING.
15. PROVIDE AND INSTALL IGB (INTERNAL GROUND BAR) IN CEILING AREA WITHIN 24' OF CABLE ENTRY PORT AS MOUNTING SURFACE FOR (6) COAXIAL TVSS DEVICES. THE IGB SHALL BE ANDREW TYPE UGB KIT-0420. TERMINATE (1) MANZANITA AND (2) ROOF ANTENNA GROUND CONDUCTORS ON THIS TVSS BUS BAR.
16. PROVIDE AND INSTALL RECEPTACLES FOR HAM RADIO EQUIPMENT CHARGING. COORDINATE LOCATIONS PRIOR TO ROUGH-IN.
17. PROVIDE AND INSTALL TWO NEW BRANCH CIRCUITS, HOMERUN TO EXISTING PANEL LC IN ELECTRICAL ROOM 173, SEE 2/E4-5. PROVIDE AND INSTALL TWO 20AMP SINGLE POLE CIRCUIT BREAKERS, MATCH EXISTING BREAKER TYPE.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

0' 4' 8' 16'

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

REGISTERED PROFESSIONAL ENGINEER No.E14738 Exp. 6/25 ELECTRICAL STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

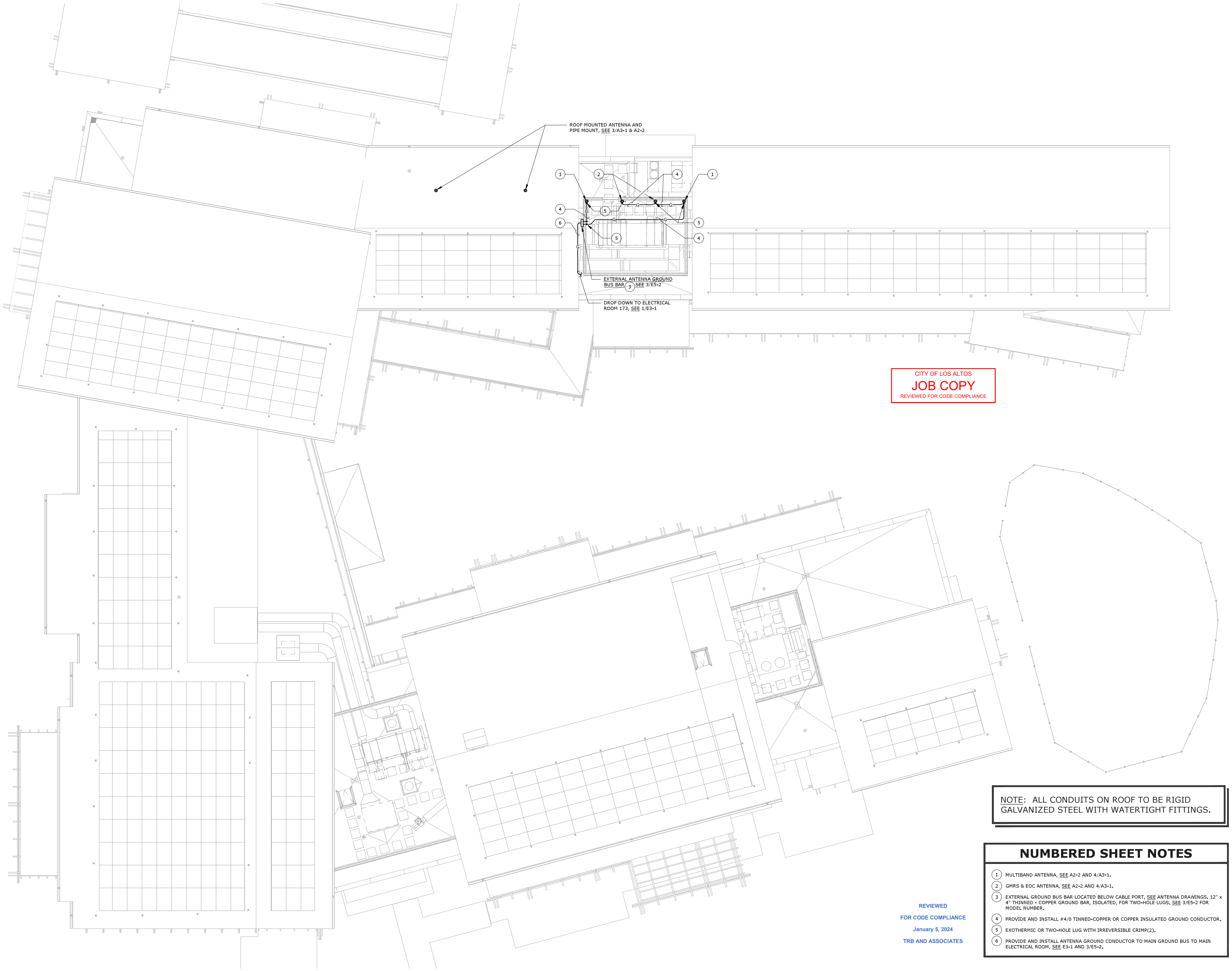
EOC FLOOR PLAN - ELECTRICAL

SHEET NUMBER

E3-1

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E3-1_LosAltosEOC - CD-222056.dwg, 11/13/2023 11:24:53 AM, tvessels
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

LOS ALTOS EOC – 222056 – CONSTRUCTION DOCUMENTS



CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

NOTE: ALL CONDUITS ON ROOF TO BE RIGID GALVANIZED STEEL WITH WATERTIGHT FITTINGS.

NUMBERED SHEET NOTES

1. MULTIBAND ANTENNA, SEE A2-2 AND 4/A3-1.
2. GMRS & EOC ANTENNA, SEE A2-2 AND 4/A3-1.
3. EXTERNAL GROUND BUS BAR LOCATED BELOW CABLE PORT, SEE ANTENNA DRAWINGS. 12" x 4" THINNED - COPPER GROUND BAR, ISOLATED, FOR TWO-HOLE LUGS. SEE 3/E5-2 FOR MODEL NUMBER.
4. PROVIDE AND INSTALL #4/0 TINNED-COPPER OR COPPER INSULATED GROUND CONDUCTOR.
5. EXOTHERMIC OR TWO-HOLE LUG WITH IRREVERSIBLE CRIMP(2).
6. PROVIDE AND INSTALL ANTENNA GROUND CONDUCTOR TO MAIN GROUND BUS TO MAIN ELECTRICAL ROOM, SEE E3-1 AND 3/E5-2.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

EOC ROOF PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

1
E3-2

0' 4' 8' 16'

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 439-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
EOC ROOF PLAN - ELECTRICAL

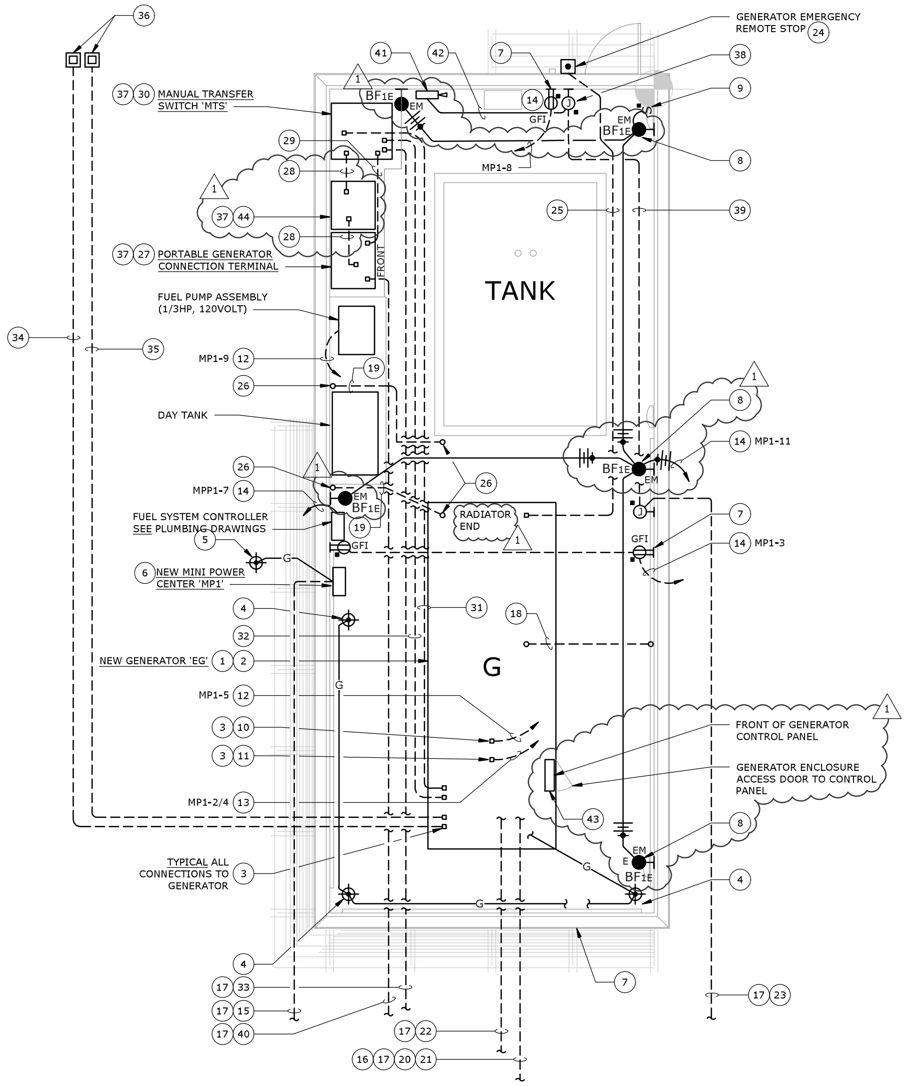
SHEET NUMBER
E3-2

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E3-2_LA-EOC - CD-222056.dwg, 11/13/2023 11:25:00 AM, tvessels
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

LUMINAIRE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER CATALOG #	LIGHT SOURCE	POWER SUPPLY	VOLTS	INPUT WATTS
BF1E	WALL MOUNTED	WALL MOUNTED LED CUTOFF DOWNLIGHT, WITH DIE CAST ALUMINUM HOUSING, PRISMATIC GLASS LENS, DOWNLIGHT ONLY ENCLOSED & GASKETED AND UL WET LOCATION LISTED, BLACK FINISH.	C.W. COLE LIGHTING L2500W-1-HO-(FINISH) -SC-EM	3000°K LED 80 CRI 860 LM	INTEGRAL NON-DIM ELECTRONIC DRIVER + EMERGENCY BATTERY PACK	120/277V	14 W

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



ENLARGED PLAN - EOC GENERATOR ENCLOSURE

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

1
E4-1

NUMBERED SHEET NOTES

1. NEW EMERGENCY GENERATOR, SEE E5-1.
2. SEE 4/E7-1 FOR GENERATOR STRUCTURAL PAD. GENERATOR TO BE FLUSH WITH SURROUNDING WALKWAY. SEE 6/E7-1 FOR GENERATOR MOUNTING.
3. CONFIRM EXACT LOCATION AND CONNECTION POINTS WITH GENERATOR MANUFACTURER PRIOR TO ROUGH-IN AND POURING OF SLAB.
4. PROVIDE AND INSTALL GENERATOR GROUNDING, SEE E5-1, 1/E7-1 AND 2/E5-2.
5. PROVIDE AND INSTALL GROUNDING FOR MINI POWER CENTER, SEE 1/E5-1, AND 1/E7-1.
6. PROVIDE AND INSTALL NEW NEMA 3R MINI POWER CENTER. SEE E5-1. PROVIDE MINI POWER CENTER WITH 480 VOLT PRIMARY BREAKER, STEP-DOWN TRANSFORMER, AND 120/240 VOLT PANEL, SEE E6-1 FOR PANEL SCHEDULE.
7. PROVIDE AND INSTALL GFI RECEPTACLE WITH IN-USE LOCKABLE COVER.
8. PROVIDE AND INSTALL NEW LIGHT FIXTURE, ~~SEE LUMINAIRE SCHEDULE, INSTALL UP 7'-6" TO BOTTOM.~~ LIGHT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY, SEE LUMINAIRE SCHEDULE.
9. PROVIDE AND INSTALL WEATHERPROOF LIGHT SWITCH TO CONTROL NEW LIGHT FIXTURES.
10. GENERATOR BATTERY CHARGER.
11. GENERATOR ENGINE JACKET HEATER.
12. PROVIDE AND INSTALL (2)#10, (1)#10G IN 3/4" CONDUIT HOMERUN TO PANEL.
13. PROVIDE AND INSTALL (2)#6, (1)#10G IN 1" CONDUIT HOMERUN TO PANEL.
14. PROVIDE AND INSTALL (3)~~#12, (1)#12G IN 3/4" CONDUIT HOMERUN TO PANEL.~~ WIRE COUNT INCLUDES UNSWITCHED HOT FOR EMERGENCY LIGHTING BATTERY CHARGING.
15. PROVIDE AND INSTALL NEW FEEDERS TO NEW MINI POWER CENTER 'MP1', SEE E5-1.
16. INSTALL CONTROL WIRING IN 2" CONDUIT.
17. SEE E1-2 FOR CONTINUATION.
18. PROVIDE AND INSTALL (2)1-1/4" SPARE UNDERGROUND CONDUITS WITH PULL ROPE FROM GENERATOR. STUB-UP INSIDE GENERATOR AND STUB-UP AT WALL.
19. PROVIDE AND INSTALL 1" UNDERGROUND CONDUIT WITH PULLROPE FOR FUEL SYSTEM CONTROLS.
20. PROVIDE AND INSTALL CONTROL WIRING FROM GENERATOR TO AUTOMATIC TRANSFER SWITCH ATS-1, SEE 1/E5-2.
21. PROVIDE AND INSTALL CONTROL WIRING TO GENERATOR REMOTE ANNUNCIATOR IN COMMUNITY CENTER BUILDING, SEE 1/E5-2.
22. PROVIDE AND INSTALL (2) 1-1/4" SPARE CONDUITS WITH PULL ROPE TO COMMUNITY CENTER BUILDING. STUB UP IN GENERATOR BREAKER AREA.
23. PROVIDE AND INSTALL (2) 1-1/4" CONDUITS TO COMMUNITY CENTER. USE ONE CONDUIT FOR CCTV CAMERA CABLING AND ONE CONDUIT SPARE FOR FUTURE USE.
24. PROVIDE AND INSTALL GENERATOR REMOTE EMERGENCY STOP STATION, SEE 1/E5-2. EMERGENCY STOP MUST BE INSTALLED OUTSIDE OF GENERATOR AREA. SEE 1/E5-2 FOR SIGNAGE REQUIREMENTS.
25. PROVIDE AND INSTALL EMERGENCY STOP WIRING IN CONDUIT FROM REMOTE STOP TO GENERATOR, SEE 1/E5-2.
26. COORDINATE STUB-UP LOCATION PRIOR TO ROUGH-IN.
27. RELOCATE AND REINSTALL THE EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL. SEE 1/E4-3 FOR EXISTING LOCATION. SEE 1/E5-1. COORDINATE LOCATION.
28. ~~PROVIDE AND INSTALL NEW UNDERGROUND FEEDERS FROM~~ RELOCATED PORTABLE GENERATOR CONNECTION TERMINAL PANEL VIA NEW 800 AMP CIRCUIT BREAKER TO NEW MANUAL TRANSFER SWITCH 'MTS', SEE 1/E5-1.
29. ~~PROVIDE AND INSTALL~~ UNDERGROUND CONDUIT FOR CONTROLS, SEE 1/E5-2.
30. PROVIDE AND INSTALL NEW PAD MOUNT NEMA 3R MANUAL TRANSFER SWITCH 'MTS', SEE 1/E5-1.
31. PROVIDE AND INSTALL UNDERGROUND FEEDERS FROM GENERATOR TO 'MTS', SEE 1/E5-1.
32. PROVIDE AND INSTALL CONTROLS FROM GENERATOR TO 'MTS' FOR POWER SOURCE POSITION, SEE 1/E5-2.
33. PROVIDE AND INSTALL EMERGENCY FEEDERS FROM GENERATOR VIA 'MTS' AND CIRCUIT BREAKER 'CBG' TO NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1', SEE 1/E5-1.
34. PROVIDE AND INSTALL (2) 2" CONDUITS FOR FUTURE GENERATOR CONTROLS/ANNUNCIATOR FOR THE YOUTH CENTER OFFICE CONVERSION PROJECT, SEE 1/E5-1.
35. PROVIDE AND INSTALL (1) 4" CONDUIT FOR FUTURE EMERGENCY POWER FEEDERS TO THE YOUTH CENTER OFFICE CONVERSION PROJECT, SEE 1/E5-1.
36. PROVIDE AND INSTALL PULLBOXES, SEE E1-2.
37. PROVIDE HOUSEKEEPING PADS FOR EQUIPMENT, SEE 3/E7-1.
38. PROVIDE AND INSTALL J-BOX FOR DOOR SECURITY USE, INSTALL AT +48" ABOVE SLAB.
39. PROVIDE AND INSTALL 1" CONDUIT FOR CCTV CAMERA CABLE.
40. PROVIDE AND INSTALL CONTROL WIRING FROM PORTABLE GENERATOR CONNECTION TERMINAL TO ATS-1, SEE 1/E5-2.
41. FIXED FOCUS IP SECURITY CAMERA PROVIDED UNDER THE WORK OF SECTION 28 23 00. CONTRACTOR TO COORDINATE THE LOCATION OF CAMERA WITH PANELS TO ENSURE AN UNOBSTRUCTED VIEW OF PERSONS ENTERING THROUGH THE DOOR. REFER TO TY 0.1 AND TY 7.1 FOR REQUIRED CAMERA BACK BOX AND TRANSCEIVER ENCLOSURE.
42. PROVIDE AND INSTALL 3/4" CONDUIT FOR CAMERA CABLING BETWEEN CAMERA AND / OR SECURITY J BOX DESCRIBED IN NOTE 38.
43. GENERATOR CONTROL PANEL LOCATION. VERIFY EXACT LOCATION WITH GENERATOR MANUFACTURER SHOP DRAWINGS.
44. PROVIDE AND INSTALL NEW 800 AMP CIRCUIT BREAKER, SEE 1/E5-1.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROFESSIONAL ENGINEER No.E14738 ELECTRICAL STATE OF CALIFORNIA

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

PARTIAL PLAN - GENERATOR AREA

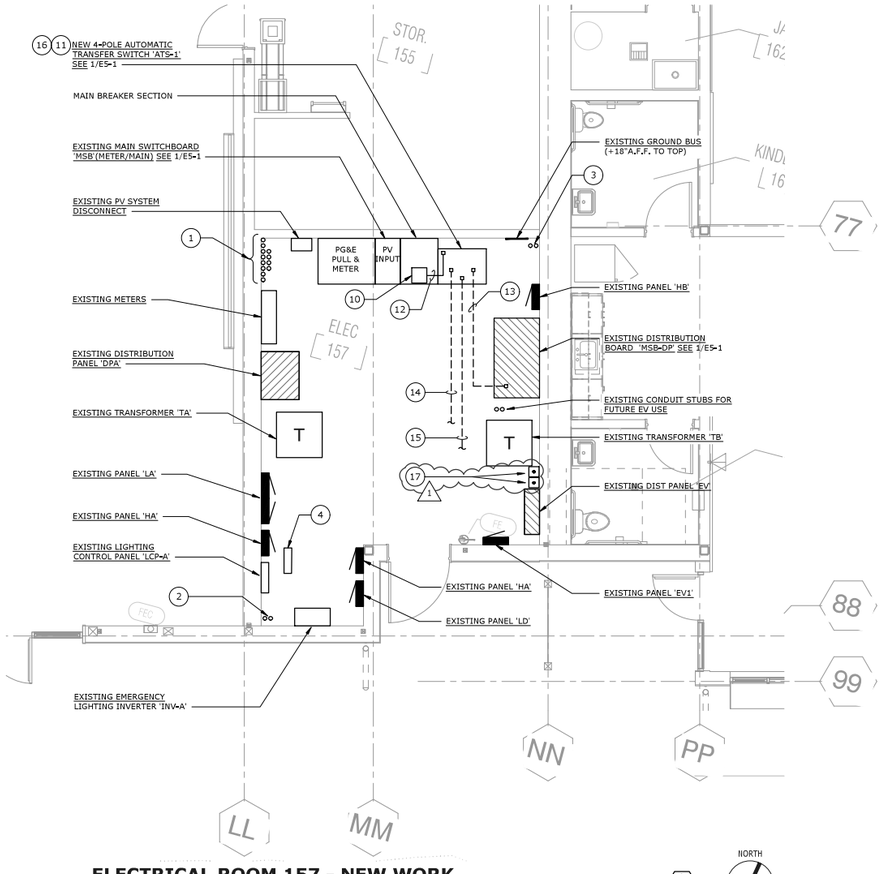
SHEET NUMBER

E4-1

NUMBERED SHEET NOTES

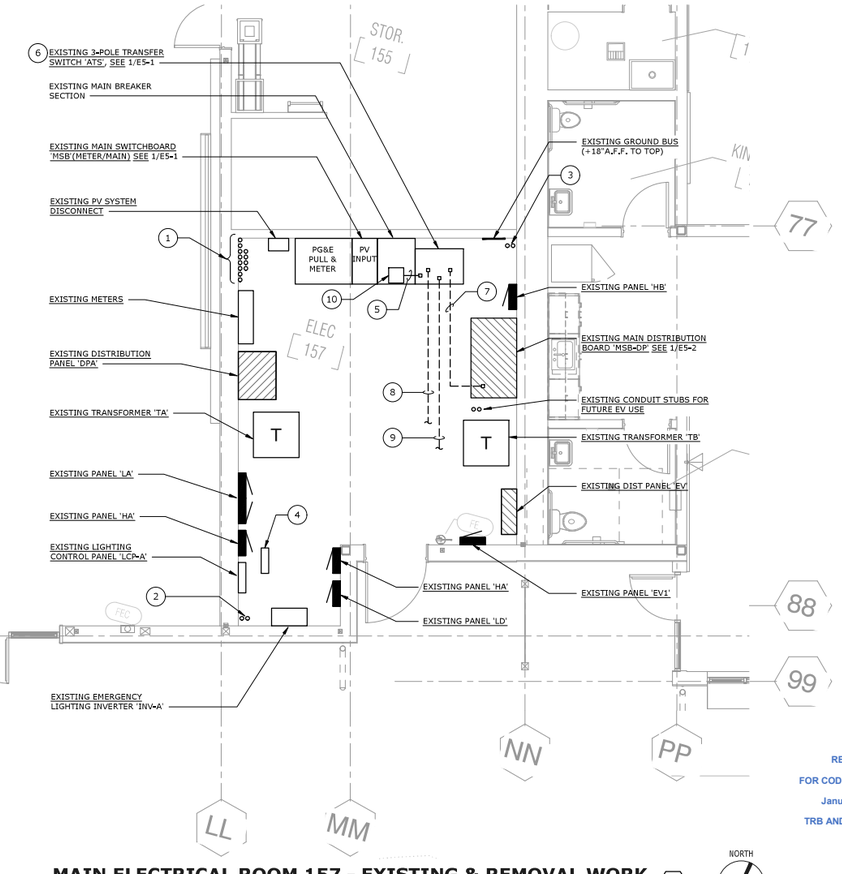
1. EXISTING SPARE CONDUITS FROM ELECTRICAL ROOM 125 AND ELECTRICAL ROOM 173.
2. EXISTING CONDUIT STUBS. SEE 1/E4-4.
3. EXISTING SPARE CONDUITS STUBBED UP AT FLOOR.
4. EXISTING CONTROL PANEL ABOVE PANEL.
5. EXISTING FEEDERS FROM MAIN CIRCUIT BREAKER TO EXISTING 3-POLE AUTOMATIC TRANSFER SWITCH. SEE 1/E5-1. FEEDERS PASS THROUGH BETWEEN THE MAIN SWITCHBOARD AND THE 'ATS' (NOT IN CONDUIT). DISCONNECT AND REMOVE EXISTING FEEDERS.
6. EXISTING 3-POLE TRANSFER SWITCH 'ATS' IS TO BE REMOVED AND REPLACED WITH A NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' AT THE SAME LOCATION. SEE 2/E4-2, AND 1/E5-1. AFTER REMOVAL OF THE FEEDERS, REMOVE 'ATS' AND TRANSPORT TO OWNERS' DESIGNATED OFF SITE STORAGE.
7. DISCONNECT AND REMOVE EXISTING UNDER SLAB FEEDERS FROM EXISTING 3-POLE TRANSFER SWITCH 'ATS' TO EXISTING DISTRIBUTION BOARD 'MSB-DP'. SEE 1/E5-1. EXISTING CONDUITS WILL BE REUSED FOR NEW FEEDERS. SEE 2/E4-2.
8. DISCONNECT AND REMOVE EXISTING UNDERGROUND FEEDERS FROM EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL TO EXISTING 3-POLE TRANSFER SWITCH 'ATS'. SEE 1/E5-1. AND E4-3. THE EXISTING CONDUITS WILL BE REUSED FOR NEW FEEDERS.
9. DISCONNECT AND REMOVE THE EXISTING CONTROL WIRING FROM THE 3-POLE TRANSFER SWITCH 'ATS' TO THE PORTABLE GENERATOR CONNECTION TERMINAL PANEL. SEE 1/E5-1 AND E4-3. THE EXISTING CONDUITS WILL BE REUSED FOR NEW CONTROLS FROM NEW GENERATOR.
10. EXISTING MAIN CIRCUIT BREAKER. SEE 1/E5-1.
11. INSTALL NEW 4-POLE AUTOMATIC TRANSFER SWITCH ADJACENT TO EXISTING MAIN SWITCHBOARD AT THE SAME LOCATION AS THE REMOVED 3-POLE TRANSFER SWITCH. PLACE THE NEW ATS OVER THE EXISTING UNDERGROUND CONDUIT STUBS. THE NEW 4-POLE AUTOMATIC TRANSFER SWITCH SHALL BE ASCO TYPE TO MATCH THE REMOVED ATS FOOTPRINT AND DIMENSIONS. THE NEW ATS SHALL BE ASCO 300 SERIES. NEMA 1. 38" WIDE x 23" DEEP x 87" TALL. WITH SIDE CONDUIT AREA 15" x 15" FOR NEW FEEDERS TO PASS FROM MAIN SWITCHBOARD MAIN CIRCUIT BREAKER TO THE AUTOMATIC TRANSFER SWITCH TERMINALS.
12. PROVIDE AND INSTALL NEW FEEDERS FROM MAIN CIRCUIT BREAKER TO NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1'. SEE 1/E5-1. INSTALL FEEDERS VIA THE SIDE ACCESS AREA IN THE NEW 'ATS-1'.
13. PROVIDE AND INSTALL NEW FEEDERS FROM THE NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1 TO THE EXISTING DISTRIBUTION BOARD 'MSB-DP'. SEE 1/E5-1. INSTALL FEEDERS IN EXISTING UNDERSLAB CONDUITS.
14. PROVIDE AND INSTALL NEW GENERATOR FEEDERS FROM NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' TO THE NEW EXTERIOR CIRCUIT BREAKER 'CBG'. INSTALL FEEDERS IN EXISTING UNDERGROUND CONDUITS. SEE 1/E4-4 AND 1/E5-1.
15. PROVIDE AND INSTALL CONTROL WIRING FROM NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1'. SEE 1/E5-1 AND 1/E5-2. INSTALL WIRING TO EXISTING UNDERGROUND CONDUIT TO NEW EXTERIOR PULL CAN. SEE E4-4.
16. BOLT NEW ATS TO FLOOR SLAB. SEE 3/E7-1 FOR BOLT TYPE AND QUANTITY.
17. PROVIDE AND INSTALL TWO (2) EV LOAD POWER OFF SWITCHES. SEE 1/E5-1. 1

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



NEW ELECTRICAL ROOM 157 - NEW WORK

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



MAIN ELECTRICAL ROOM 157 - EXISTING & REMOVAL WORK

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

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.commconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
PARTIAL PLANS - ELECTRICAL

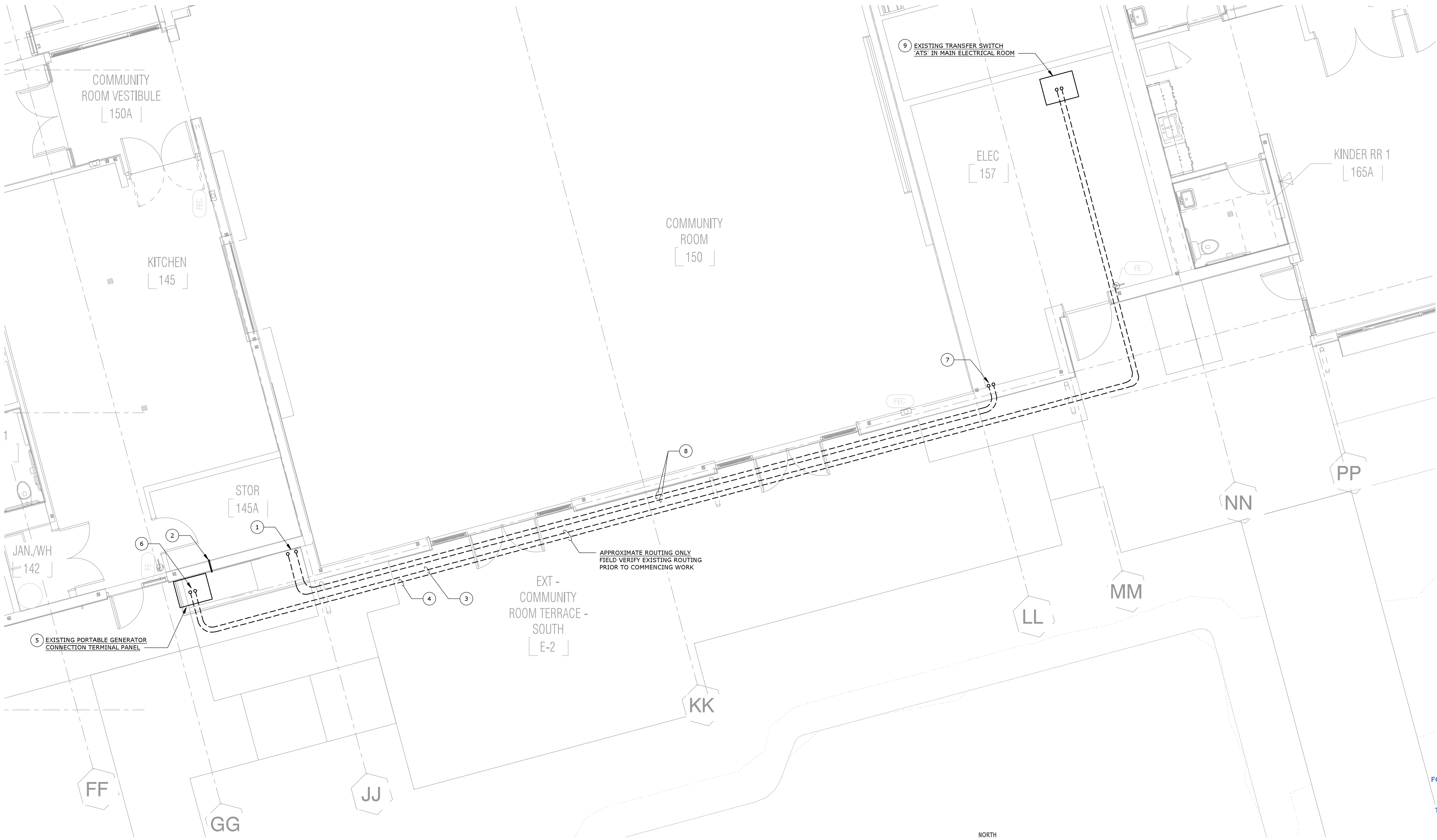
SHEET NUMBER
E4-2

P:\22021\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E4-2_LA-EOC - CD-222056.dwg, 11/13/2023 11:25:12 AM, hressik
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

NUMBERED SHEET NOTES

1. EXISTING CONDUIT STUB'S AT PAD FROM MAIN ELECTRICAL ROOM.
2. EXISTING CONDENSATE COPPER PIPE THROUGH WALL.
3. DISCONNECT AND REMOVE EXISTING FEEDERS FROM THE EXISTING 3-POLE TRANSFER SWITCH 'ATS' TO THE EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL, SEE E5-1. EXISTING CONDUITS TO BE REUSED FOR NEW FEEDERS TO NEW 4 POLE AUTOMATIC TRANSFER SWITCH, SEE E4-4.
4. DISCONNECT AND REMOVE EXISTING CONTROL WIRING FROM THE EXISTING 3-POLE TRANSFER SWITCH TO THE EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL, SEE E5-1. EXISTING CONDUIT TO BE REUSED.
5. RELOCATE EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL, SEE 1/E4-1 FOR NEW LOCATION AT GENERATOR ENCLOSURE AREA. SEE 1/E5-1.
6. DISCONNECT AND REMOVE EXISTING FEEDERS AND CONTROL WIRING FROM 'ATS' AT THE PORTABLE GENERATOR TERMINAL PANEL. SEE 1/E5-1. EXISTING CONDUITS TO BE REVISED, SEE E4-4 & 1/E5-1.
7. EXISTING CONDUIT STUB'S IN MAIN ELECTRICAL ROOM 157, SEE E4-2.
8. TWO EXISTING 4" UNDERGROUND CONDUITS.
9. EXISTING 3 POLE TRANSFER SWITCH TO BE REPLACED WITH A NEW 4-POLE AUTOMATIC TRANSFER SWITCH, SEE 1/E5-1, AND E4-2.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



PARTIAL PLAN - EXISTING & REMOVAL WORK 1 / E4-3
SCALE: 1/4" = 1'-0"

NORTH

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 459-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

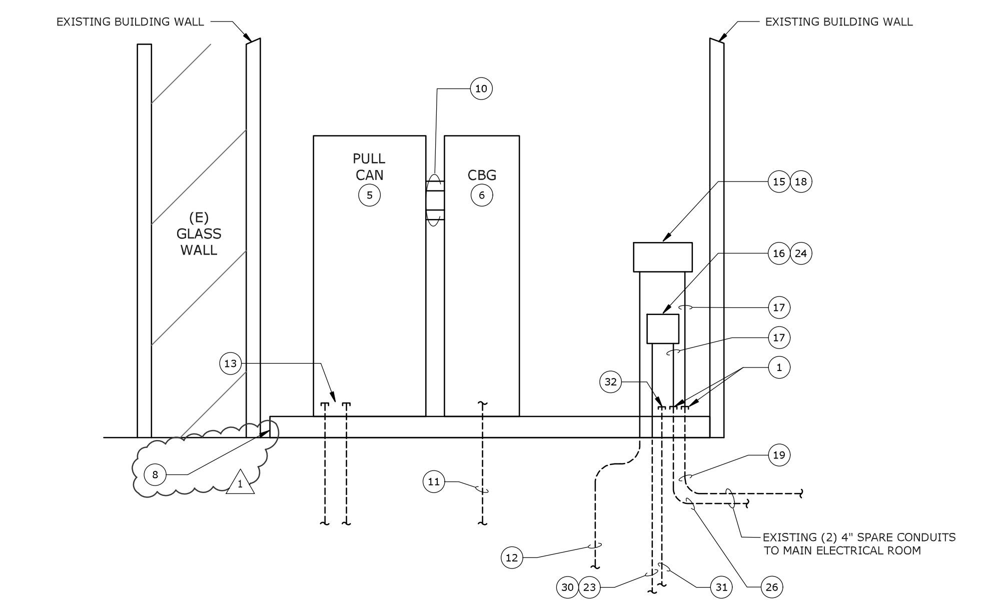
ISSUE DATE **AUG 03, 2023**
NOLL & TAM JOB NUMBER **22203**

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
PARTIAL PLAN - ELECTRICAL

SHEET NUMBER
E4-3



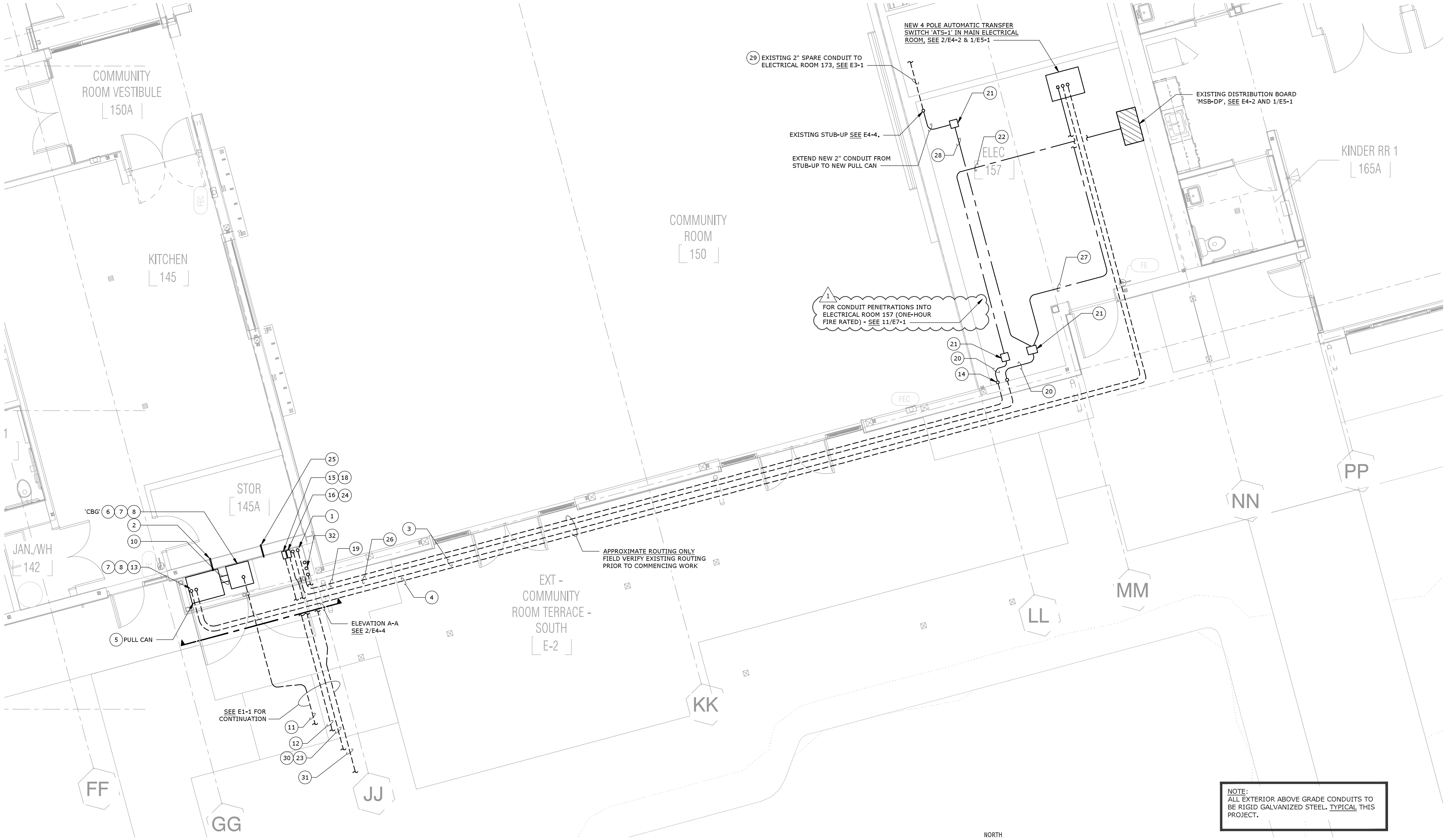
ELEVATION A-A NEW EXTERIOR EQUIPMENT

SCALE: 1/2"= 1'-0" (2/E4-4)

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

NUMBERED SHEET NOTES

1. TWO EXISTING 4" CONDUIT STUB'S FROM MAIN ELECTRICAL ROOM.
2. RELOCATE EXISTING CONDENSATE COPPER PIPE THROUGH WALL. COORDINATE NEW LOCATION.
3. PROVIDE AND INSTALL NEW GENERATOR FEEDERS TO NEW 4 POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' IN EXISTING UNDERGROUND CONDUITS. SEE 1/E5-5 AND 2/E4-2.
4. EXISTING CONTROL CONDUIT TO REMAIN AS SPARE SEE E4-3, NOTE 4.
5. PROVIDE AND INSTALL NEW NEMA 3R PAD MOUNTED PULL CAN. INSTALL OVER EXISTING CONDUIT STUBS. SEE 1/E4-3 AND E5-1.
6. PROVIDE AND INSTALL NEW PAD MOUNT NEMA 3R CIRCUIT BREAKER AND ENCLOSURE, SEE E5-1.
7. SEE 9/E7-1 FOR EQUIPMENT BRACING TO WALL.
8. SEE 3/E7-1 FOR HOUSEKEEPING PADS.
9. NOT USED.
10. PROVIDE AND INSTALL SURFACE RIGID GALVANIZED STEEL CONDUIT BETWEEN PULL CAN, CIRCUIT BREAKER 'CBG' ENCLOSURE, AND 'MTS', SEE 1/E5-1.
11. PROVIDE AND INSTALL FEEDERS FROM GENERATOR VIA 'MTS', SEE 1/E5-1.
12. PROVIDE AND INSTALL FEEDERS FROM MINI POWER CENTER 'MP1', SEE 1/E5-1.
13. EXISTING CONDUIT STUBS, SEE 1/E5-1 FOR QUANTITY AND SIZES. USE THREE OF THE EXISTING 3" CONDUITS FOR NEW FEEDERS TO 'ATS-1'.
14. EXISTING CONDUIT STUBS IN MAIN ELECTRICAL ROOM. SEE E4-2.
15. PROVIDE AND INSTALL NEMA 3R PULL CAN OR GUTTER 12"x12"x9" DEEP FOR NEW FEEDERS TO MINI POWER CENTER 'MP1'.
16. PROVIDE AND INSTALL NEMA 3R PULL CAN OR GUTTER 12"x12"x9" DEEP FOR NEW GENERATOR SYSTEM CONTROL WIRING.
17. PROVIDE AND INSTALL 4" RGS CONDUIT FROM EXISTING STUB-UP TO NEW PULL CAN/GUTTER.
18. ROUTE NEW MINI POWER CENTER 'MP1' FEEDERS VIA NEW PULL CAN/GUTTER TO 'MSB-DP'. SEE 1/E5-1.
19. USE EXISTING SPARE CONDUIT FOR NEW MINI POWER CENTER 'MP1' FEEDERS TO 'MSB-DP'. SEE 1/E5-1.
20. EXTEND NEW 4" CONDUIT FROM STUB-UP TO NEW PULL CAN.
21. PROVIDE AND INSTALL CEILING OR WALL MOUNTED PULL CANS 12"x12"x9" DEEP.
22. PROVIDE AND INSTALL NEW MINI POWER CENTER 'MP1' FEEDERS IN NEW EMT CONDUIT TO 'MSB-DP'. SEE E4-2 AND 1/E5-1.
23. PROVIDE AND INSTALL 2" CONDUIT WITH CONTROL WIRING TO 'ATS', 'MTS' AND REMOTE ANNUNCIATOR, SEE E4-1, NOTES 20, 21, 26, AND 1/E5-2.
24. ROUTE NEW GENERATOR CONTROLS VIA NEW PULL CAN/GUTTER TO 'ATS-1' AND THE GENERATOR REMOTE ANNUNCIATOR.
25. MOVE EXISTING CONDENSATE PIPE TO NEW LOCATION, SEE NOTE 2 FOR EXISTING LOCATION.
26. USE EXISTING SPARE CONDUIT FOR GENERATOR CONTROL WIRING TO 'ATS-1', REMOTE ANNUNCIATOR AND WIRING FROM PORTABLE GENERATOR TERMINAL TO 'ATS-1'. SEE 1/E5-2.
27. PROVIDE AND INSTALL GENERATOR CONTROL WIRING IN 1"C. TO 'ATS-1' FROM GENERATOR AND PORTABLE TERMINAL, SEE 1/E5-2.
28. PROVIDE AND INSTALL CONTROL WIRING FROM GENERATOR TO REMOTE ANNUNCIATOR AT RECEPTION, SEE E3-1 AND 1/E5-2. INSTALL WIRING IN 1" CONDUIT (EMT) WITHIN ELECTRICAL ROOM.
29. USE EXISTING SPARE UNDERGROUND CONDUIT TO ELECTRICAL ROOM 173 FOR WIRING TO GENERATOR REMOTE ANNUNCIATOR, SEE 1/E5-2, E3-1, AND 2/E4-5.
30. PROVIDE AND INSTALL CONTROL WIRING FROM PORTABLE GENERATOR CONNECTION TERMINAL TO ATS-1, SEE E4-1, NOTE 40, AND 1/E5-2.
31. PROVIDE AND INSTALL CONDUITS FROM GENERATOR, SEE 1/E4-1, NOTE 22, AND 23.
32. STUB CONDUITS NOTED IN NOTE 31, UP ADJACENT TO WALL, SEE 10/E7-1.



NOTE:
ALL EXTERIOR ABOVE GRADE CONDUITS TO BE RIGID GALVANIZED STEEL. TYPICAL THIS PROJECT.

PARTIAL PLAN - NEW WORK

SCALE: 1/4" = 1'-0" (1/E4-4)

NORTH

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 459-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

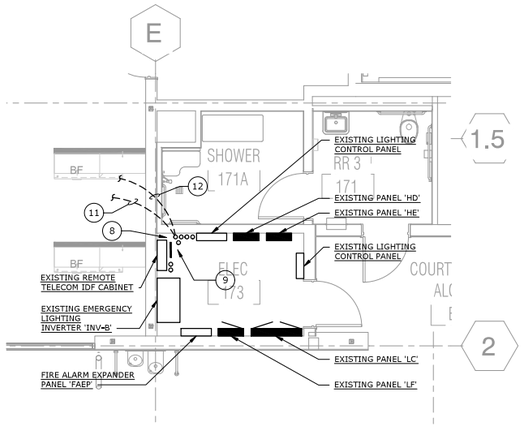
SHEET TITLE
PARTIAL PLAN - ELECTRICAL

SHEET NUMBER
E4-4

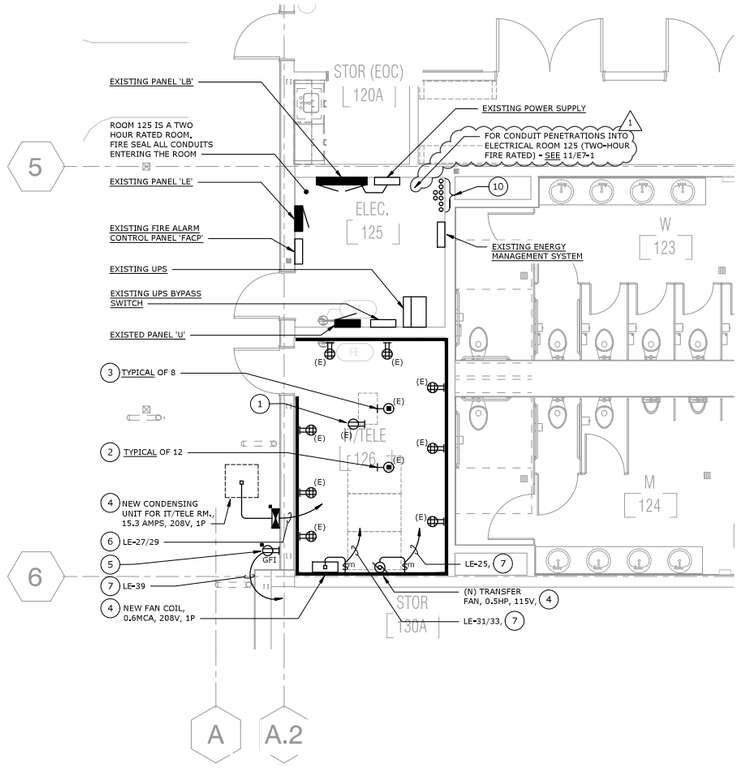
NUMBERED SHEET NOTES

1. EXISTING DUPLEX CONVENIENCE RECEPTACLE MOUNTED ON CABLE TRAY.
2. EXISTING ELECTRICAL CONNECTIONS TO TELE/DATA RACKS. (12) 30AMP 120V CIRCUITS FOR (12) L6-30R RECEPTACLES ON CABLE TRAY.
3. EXISTING ELECTRICAL CONNECTIONS TO TELE/DATA RACKS. (8) 20AMP 120V CIRCUITS FOR L5-20R RECEPTACLES ON CABLE TRAY.
4. COORDINATE LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE AND INSTALL NEW GFI RECEPTACLE.
6. PROVIDE AND INSTALL (3)#10, (1)#10G. IN 3/4" CONDUIT TO PANEL 'LE'. PROVIDE AND INSTALL NEW CIRCUIT BREAKER. SEE PANEL SCHEDULE.
7. PROVIDE AND INSTALL (2)#12, (1)#12G. IN 3/4" CONDUIT TO PANEL 'LE'. PROVIDE AND INSTALL NEW CIRCUIT BREAKER. SEE PANEL SCHEDULE.
8. EXISTING GROUND BUS BELOW IT CABINET.
9. EXISTING SPARE CONDUITS FROM MAIN ELECTRICAL ROOMS 125 AND 157.
10. EXISTING SPARE CONDUITS FROM ELECTRICAL ROOMS 159 AND 173.
11. NEW WIRING TO GENERATOR REMOTE ANNUNCIATOR. SEE E3-1.
12. NEW RADIO ANTENNA GROUNDING. SEE E3-1.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



ELECTRICAL ROOM 173
SCALE: 1/4" = 1'-0" (2/E4-5)



ELECTRICAL ROOM 125 & IT TELE ROOM 126
SCALE: 1/4" = 1'-0" (1/E4-5)

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
PARTIAL PLANS - ELECTRICAL

SHEET NUMBER
E4-5

5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E4+5_LA-EOC - CD-222056.dwg, 11/13/2023 11:25:32 AM, tvasseli

COPPER FEEDER SCHEDULE

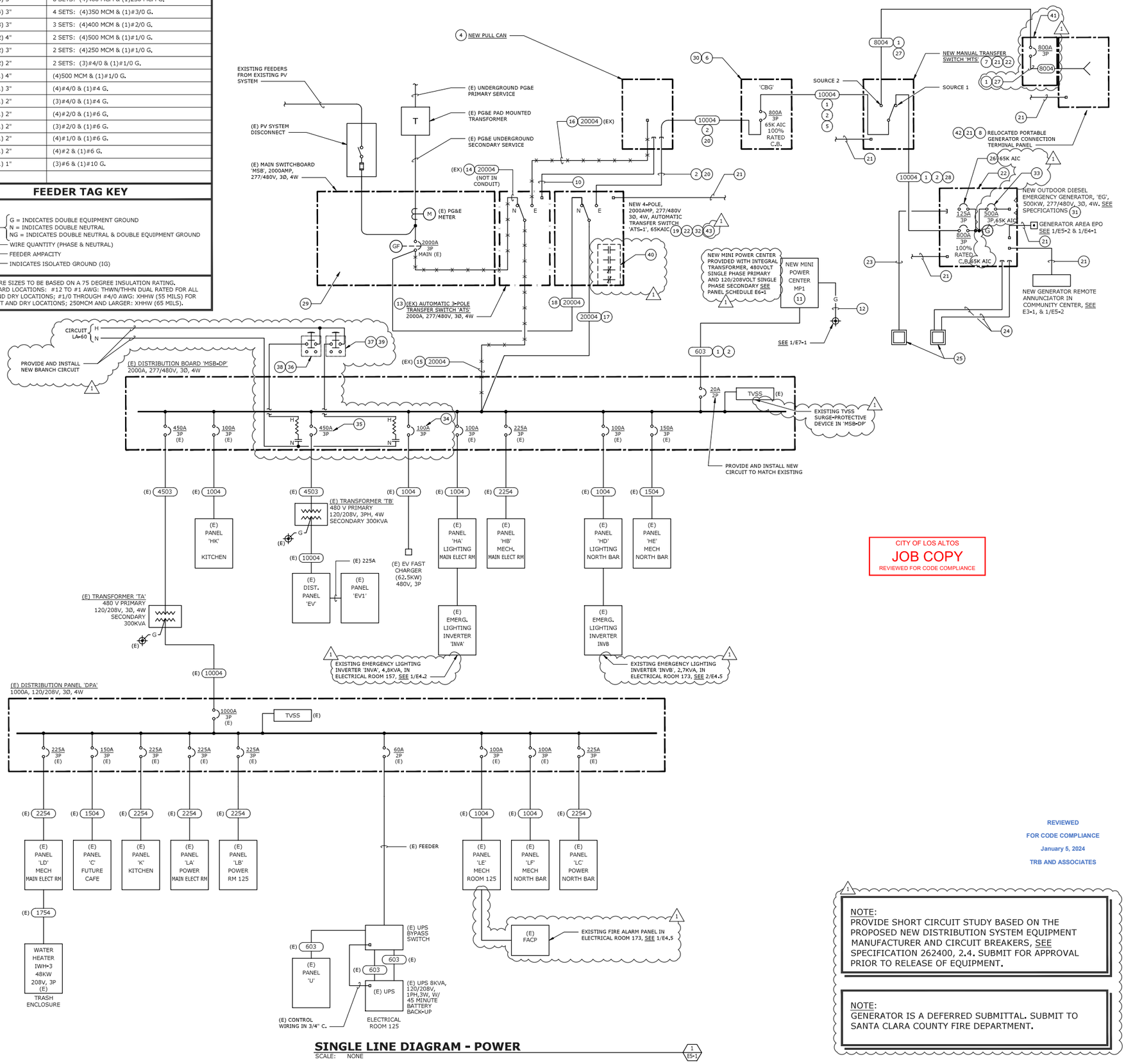
FEEDER	CONDUIT	CONDUCTORS
20004	(6) 3"	6 SETS: (4)400 MCM & (1)250 MCM G.
12004	(4) 3"	4 SETS: (4)350 MCM & (1)#3/0 G.
10004	(3) 3"	3 SETS: (4)400 MCM & (1)#2/0 G.
8004	(2) 4"	2 SETS: (4)500 MCM & (1)#1/0 G.
5004	(2) 3"	2 SETS: (4)250 MCM & (1)#1/0 G.
4503	(2) 2"	2 SETS: (3)#4/0 & (1)#1/0 G.
4004	(1) 4"	(4)500 MCM & (1)#1/0 G.
2254	(1) 3"	(4)#4/0 & (1)#4 G.
2253	(1) 2"	(3)#4/0 & (1)#4 G.
1754	(1) 2"	(4)#2/0 & (1)#6 G.
1753	(1) 2"	(3)#2/0 & (1)#6 G.
1504	(1) 2"	(4)#1/0 & (1)#6 G.
1004	(1) 2"	(4)#2 & (1)#6 G.
603	(1) 1"	(3)#6 & (1)#10 G.

FEEDER TAG KEY

1G 400 4 N

- G = INDICATES DOUBLE EQUIPMENT GROUND
- N = INDICATES DOUBLE NEUTRAL
- NG = INDICATES DOUBLE NEUTRAL & DOUBLE EQUIPMENT GROUND
- WIRE QUANTITY (PHASE & NEUTRAL)
- FEEDER AMPACITY
- INDICATES ISOLATED GROUND (IG)

NOTE: ALL WIRE SIZES TO BE BASED ON A 75 DEGREE INSULATION RATING. STANDARD LOCATIONS: #12 TO #1 AWG: THWN/THHN DUAL RATED FOR ALL WET AND DRY LOCATIONS; #1/0 THROUGH #4/0 AWG: XHHW (55 MILS) FOR ALL WET AND DRY LOCATIONS; 250MCM AND LARGER: XHHW (65 MILS).



SINGLE LINE DIAGRAM - POWER
SCALE: NONE
1 E5-1

NUMBERED SHEET NOTES

1. PROVIDE AND INSTALL NEW FEEDERS.
2. FEEDER INCREASED FOR VOLTDROP.
3. NOT USED.
4. PROVIDE AND INSTALL NEW NEMA 3R PAD MOUNTED PULL CAN. THE PULL CAN IS TO BE LOCATED AT THE SAME LOCATION OF THE EXISTING PORTABLE GENERATOR TERMINAL PANEL WHICH WILL BE RELOCATED, SEE 1/E4-3 AND 1/E4-4. INSTALL NEW PULL CAN OVER THE EXISTING CONDUIT STUBS FROM EXISTING TRANSFER SWITCH 'ATS'.
5. PROVIDE AND INSTALL NEW FEEDERS UNDERGROUND FROM 'MTS' TO 'CBG', SEE E1-1, AND E1-2.
6. PROVIDE AND INSTALL NEW PAD MOUNT NEMA 3R CIRCUIT BREAKER AND ENCLOSURE, SEE 1/E4-4. CIRCUIT BREAKER IS REQUIRED PER CEC 700.12 (D) (5) AS GENERATOR IS NOT VISIBLE FROM THE BUILDING.
7. PROVIDE AND INSTALL NEW PAD MOUNT NEMA 3R MANUAL TRANSFER SWITCH 'MTS'. THE SWITCH SHALL BE 800AMP '4' POLE, 277/480V, 3P, 4W, 65K AIC, SEE 1/E4-4. THE MANUAL TRANSFER SWITCH SHALL BE ASCO TYPE 08 EQUAL, PAD MOUNTED, SERIES 300 MTS/UL 1008, MECHANICAL OPERATION WITH CONTACT POINTS FOR MONITORING, SEE 1/E5-2. 1
8. RELOCATE AND REINSTALL EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL. SEE 1/E4-3 FOR EXISTING LOCATION, SEE 1/E4-4 FOR NEW LOCATION. THE EXISTING PORTABLE GENERATOR CONNECTION PANEL IS AN ASCO 300, QUICK CONNECT, CAMLOCK, 1200AMP, 277/480V, 3P, 4W, NEMA 3R, FEEDERS UNDERGROUND BOTTOM EXIT.
9. NOT USED.
10. DISCONNECT AND REMOVE EXISTING CONTROL WIRING FROM 'ATS' TO EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL SEE E4-3. THE EXISTING CONDUIT WILL BE REUSED.
11. INSTALL AT GENERATOR ENCLOSURE AREA, SEE 1/E4-1.
12. PROVIDE AND INSTALL GROUNDING 1#6G FOR MINI POWER CENTER TRANSFORMER, SEE 1/E4-1.
13. EXISTING 3-POLE TRANSFER SWITCH 'ATS' TO BE REMOVED AND REPLACED WITH A NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' AT THE SAME LOCATION, SEE 1/E4-2 AND 2/E4-2.
14. DISCONNECT AND REMOVE EXISTING FEEDERS FROM EXISTING MAIN SWITCHBOARD TO EXISTING TRANSFER SWITCH 'ATS', SEE 1/E4-2.
15. DISCONNECT AND REMOVE EXISTING UNDERSLAB FEEDERS FROM EXISTING 3-POLE TRANSFER SWITCH 'ATS' TO EXISTING DISTRIBUTION BOARD 'MSB-DP', SEE 1/E4-2. EXISTING CONDUITS WILL BE REUSED FOR NEW FEEDERS, SEE 2/E4-2.
16. DISCONNECT AND REMOVE EXISTING UNDERGROUND FEEDERS FROM EXISTING PORTABLE GENERATOR CONNECTION TERMINAL PANEL TO EXISTING 3 POLE TRANSFER SWITCH 'ATS', SEE 1/E4-2 AND E4-3. THE EXISTING CONDUITS WILL BE REUSED FOR NEW FEEDERS, SEE 2/E4-2 AND E4-4.
17. PROVIDE AND INSTALL NEW FEEDERS FROM NEW 4 POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' TO DISTRIBUTION BOARD 'MSB-DP'. USE EXISTING UNDERSLAB CONDUITS, SEE 1/E4-2 AND 2/E4-2.
18. PROVIDE AND INSTALL NEW FEEDERS FROM MAIN CIRCUIT BREAKER TO NEW 4-POLE AUTOMATIC TRANSFER SWITCH 'ATS-1'. SEE 2/E4-2.
19. NEW 4 POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' TO BE LOCATED AT SAME LOCATION AS THE EXISTING TRANSFER SWITCH SCHEDULED TO BE REMOVED, SEE 1/E4-2, AND 2/E4-2.
20. PROVIDE AND INSTALL FEEDERS FROM THE NEW EXTERIOR CIRCUIT BREAKER 'CBG' TO NEW 4 POLE AUTOMATIC TRANSFER SWITCH 'ATS-1' IN MAIN ELECTRICAL ROOM, SEE 2/E4-2. NEW FEEDERS TO BE IN NEW CONDUIT BETWEEN 'CBG' TO NEW PULL CAN, FROM NEW PULL CAN TO NEW 'ATS-1' IN MAIN ELECTRICAL ROOM USE THREE OF THE EXISTING UNDERGROUND 3" CONDUITS. SEE 1/E4-4.
21. SEE 1/E5-2 FOR CONTROL WIRING.
22. SEE 2/E5-2 FOR GROUNDING.
23. PROVIDE AND INSTALL FEEDER CONDUIT FROM GENERATOR TO PULLBOX FOR FUTURE EMERGENCY POWER FOR THE YOUTH CENTER OFFICE CONVERSION PROJECT, SEE 1/E4-1.
24. PROVIDE AND INSTALL CONTROLS CONDUITS FROM GENERATOR TO PULLBOX FOR FUTURE GENERATOR CONTROLS/ANNUNCIATOR FOR THE YOUTH CENTER OFFICE CONVERSION PROJECT, SEE 1/E4-1.
25. PROVIDE AND INSTALL PULLBOXES, SEE 1/E1-2 AND 1/E4-1.
26. PROVIDE AND INSTALL GENERATOR CIRCUIT BREAKER FOR FUTURE YOUTH CENTER OFFICE CONVERSION PROJECT.
27. SEE 1/E4-1 FOR NEW FEEDERS TO 'MTS' FROM PORTABLE GENERATOR CONNECTION TERMINAL PANEL.
28. SEE 1/E4-1 FOR NEW FEEDERS FROM GENERATOR TO 'MTS'.
29. PER CEC 700.7(A) PROVIDE ENGRAVED SIGN (SCREWED ONTO COVER) AT SERVICE - ENTRANCE EQUIPMENT/MAIN SWITCHBOARD WITH THE FOLLOWING TEXT: "THIS FACILITY IS PROVIDED WITH AN EMERGENCY DIESEL GENERATOR LOCATED NORTH OF THE EXTERIOR SOCCER FIELD."
30. PROVIDE ENGRAVED SIGN (SCREWED ONTO EXTERIOR COVER) OF THE CIRCUIT BREAKER ENCLOSURE WITH THE FOLLOWING TEXT: "EMERGENCY GENERATOR DISCONNECT."
31. PROVIDE AND INSTALL NEW EMERGENCY GENERATOR. SUBMIT TO SANTA CLARA COUNTY FIRE DEPARTMENT FOR APPROVAL. 1
32. PROVIDE AND INSTALL NEW ASCO 4-POLE AUTOMATIC TRANSFER SWITCH, SEE SPECIFICATION 26 36 01.
33. PROVIDE CIRCUIT BREAKER FOR CONNECTING TEMPORARY LOAD BANK FOR GENERATOR TESTING.
34. REPLACE EXISTING 100AMP/3 POLE CIRCUIT BREAKER WITH A NEW 100AMP, 480V, 3 POLE, 65KA AIC, SHUNT TRIP CIRCUIT BREAKER. BREAKER SHALL BE EATON TYPE TO MATCH EXISTING.
35. REPLACE EXISTING 450AMP/3 POLE CIRCUIT BREAKER WITH A NEW 450AMP, 480V, 3 POLE, 65KA AIC, SHUNT TRIP CIRCUIT BREAKER. BREAKER SHALL BE EATON TYPE TO MATCH EXISTING.
36. PROVIDE AND INSTALL WALL-MOUNTED MAINTAINED CONTACT (PUSH TO ACTIVATE PULL TO RE-SET) POWER OFF BUTTON, SCHNEIDER ELECTRIC #ZB4BT4, 2P N.O., 120V, RED MUSHROOM-HEAD W/PROTECTIVE SHROUD, CLEAR PLASTIC HINGED COVER, ENGRAVED "EV POWER OFF TO TB".
37. PROVIDE AND INSTALL WALL-MOUNTED MAINTAINED CONTACT (PUSH TO ACTIVATE PULL TO RE-SET) POWER OFF BUTTON, SCHNEIDER ELECTRIC #ZB4BT4, 2P N.O., 120V, RED MUSHROOM-HEAD W/PROTECTIVE SHROUD, CLEAR PLASTIC HINGED COVER, ENGRAVED "EV FAST CHARGE POWER OFF".
38. PRESSING THE EPO SHALL SHUNT-TRIP EV TRANSFORMER 'TB' FEEDER BREAKER. SEE 2/E4-2 FOR EPO LOCATION.
39. PRESSING THE EPO SHALL SHUNT-TRIP 'EV FAST CHARGER' BREAKER.
40. PROVIDE AND INSTALL TWO N.O. SPARE CONTACTS, AND TWO N.C. SPARE CONTACTS FOR FUTURE AUTOMATIC EV CHARGER LOAD SHEDDING CONTROL OF EV FEEDER BREAKERS.
41. PROVIDE AND INSTALL 800 AMP, 480V, THREE-PHASE CIRCUIT BREAKER IN NEMA 3R ENCLOSURE TO PROTECT THE FEEDERS FROM THE PORTABLE GENERATOR CONNECTION TERMINAL PANEL TO THE MANUAL TRANSFER SWITCH 'MTS', INSTALL ADJACENT TO THE PORTABLE GENERATOR CONNECTION TERMINAL, SEE 1/E4-3.
42. PROVIDE AND INSTALL NEW ENGRAVED LABEL ON EXTERIOR COVER TO READ: "PORTABLE GENERATOR SIZE NOT TO EXCEED 800KW". REMOVE EXISTING SIGNAGE ON COVER OF THE PORTABLE GENERATOR CONNECTION TERMINAL PANEL.
43. GENERATOR POWER SYSTEM TO AUTOMATICALLY PROVIDE POWER WITHIN 10 SECONDS AFTER UTILITY POWER IS LOST. 1

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NOTE:
PROVIDE SHORT CIRCUIT STUDY BASED ON THE PROPOSED NEW DISTRIBUTION SYSTEM EQUIPMENT MANUFACTURER AND CIRCUIT BREAKERS, SEE SPECIFICATION 262400, 2.4. SUBMIT FOR APPROVAL PRIOR TO RELEASE OF EQUIPMENT.

NOTE:
GENERATOR IS A DEFERRED SUBMITTAL. SUBMIT TO SANTA CLARA COUNTY FIRE DEPARTMENT.

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.commconsulting.com

SEAL

PROJECT TITLE
City of Los Altos
EMERGENCY OPERATION CENTER
97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

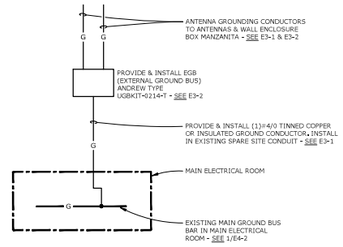
	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
SINGLE LINE DIAGRAM - POWER

SHEET NUMBER
E5-1

P:\22221\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_LE5-1_LA-EOC - CD-222056.dwg, 11/15/2023 3:21:38 PM, tvessels
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

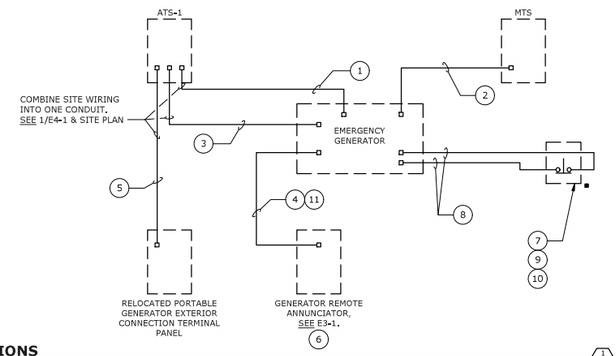
LOS ALTOS EOC - 222056 - CONSTRUCTION DOCUMENTS



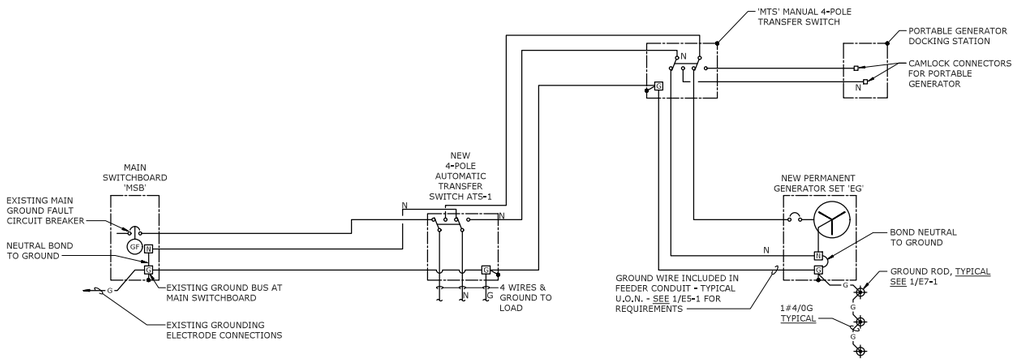
ANTENNA GROUNDING
SCALE: NONE
3 / E5-2

DETAIL NOTES

1. (6)#10 - ENGINE START CONNECTIONS.
2. (4)#10 INDICATING "MTS1 ON SOURCE 1 - PERMANENT GENERATOR" OR "MTS1 ON SOURCE 2 - PORTABLE GENERATOR".
3. (3)#10 FOR ATS - INDICATING ATS ON EMERGENCY AND ATS ON NORMAL.
4. GENERATOR REMOTE ANNUNCIATOR BELDEN CABLE TYPE 9729 (OSP) & (2)#8 (POWER) IN 1"C - VERIFY WIRING TYPE AND QUANTITY WITH GENERATOR MANUFACTURER.
5. (6)#14 IN 3/4"C - ENGINE START CONNECTIONS.
6. GENERATOR REMOTE ANNUNCIATOR TO BE POWERED FROM GENERATOR CONTROL PANEL, BACKED UP BY GENERATOR BATTERY.
7. REMOTE EMERGENCY STOP STATION (PROVIDED BY GENERATOR MANUFACTURER, INSTALL AND CONNECT COMPLETE).
8. (4)#14 IN 3/4"C FOR REMOTE STOP.
9. MTU #SUASA150340 OR EQUAL. N.C CONTACT, NEMA 3A ENCLOSURE, RED MUSHROOM BUTTON WITH WATERPROOF COVER.
10. PROVIDE RED ENGRAVED NAMEPLATE "GENERATOR EMERGENCY STOP".
11. SEE E4-4 FOR NEW CONDUIT WITHIN BUILDING TO REMOTE ANNUNCIATOR.



GENERATOR/ATS/ANNUNCIATOR INTERCONNECTIONS
SCALE: NONE
1 / E5-2



GENERATOR/EMERGENCY POWER GROUNDING DIAGRAM
SCALE: NONE
FILE: (Modified for 222056)
2 / E5-2

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
DIAGRAMS

SHEET NUMBER
E5-2

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_LF-5_LA-EOC - CD-222056.dwg, 11/13/2023 11:25:43 AM, tvessels
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLAsEOC_Arch_Central_2023.rvt

Load Calculations

					KVA		KW	
Existing PG&E Demand (Community Center)								
133.2	KW	1.25	166.5	KW	208			
Existing Community Center PV System:								
Max System PV rating: 160 Amps @ 480 volt					133			
Estimated existing total max demand (Community Center With EOC):					341	KVA	273	KW
Future Youth Center conversion to city offices project:								
Future emergency load:		82	KVA		82	KVA	66	KW
Sub-Total:					423	KVA	339	KW

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

EXISTING PANEL LE

VOLTS: 120 / 208 — PHASE: 3 PH — WIRE: 4 W — BUSSING: 100A — POLES: 42P — * PROVIDE NEW BREAKER
MAIN BRKR: 100A MCB — FEEDER: SEE SINGLE LINE — CONDUIT: SEE SINGLE LINE — MOUNTED: SURFACE — AIC RATING: 65 KAIC

LOAD DESCRIPTION	TYPE	A	B	C	BRKR,	CKT,	CKT,	BRKR,	A	B	C	TYPE	LOAD DESCRIPTION
HVAC - CLG FANS LOBBY (E)	H	0.30			20/1	1	2	15/2	0.16			H	HVAC - FCU08 MP1 120 (E)
EMS POWER ELECT 125 (E)	H		0.10		20/1	3	4			0.16		H	
HVAC - CLG FANS LOBBY (E)	H			0.50	20/1	5	6	15/2			0.37	H	HVAC - FCU9 & FCU13 WOMEN 123 (E)
HVAC - CLG FANS MP1 120 (E)	H	0.40			20/1	7	8		0.37			H	
HVAC - CLG FANS SENIOR 130 (E)	H		0.20		20/1	9	10	15/2		0.10		H	HVAC - FCU16 & FCU18 ELECT125, IT 126
HVAC - CLG FANS SENIOR 140 (E)	H			0.30	20/1	11	12				0.10	H	(E) -
HVAC-CP4 JAN 124A, CP's FOR FCU's (E)	H	0.60			20/1	13	14	15/2	0.07			H	HVAC - FCU10A & FCU10B MEETING 121, 122
RECEPTACLES ELECTRICAL ROOM (E)	R		0.36		20/1	15	16			0.07		H	(E)
FIRE ALARM (E)	M			0.20	20/1	17	18	15/2			0.05	H	HVAC - BSB3 MEN 124 (E)
LOBBY X MASS CHRISTMAS TREE (E)	R	0.36			20/1	19	20		0.05			H	
FIRE SMOKE DAMPERS (E)	M		0.10		20/1	21	22	15/2		0.18		H	HVAC - FCU11 SENIOR 130 (E)
SPARE					20/1	23	24				0.18	H	
NEW TRANSFER FAN *	H	1.20			20/1	25	26	15/2	0.18			H	HVAC - FCU12 SENIOR 140 (E)
NEW CONDENSING UNIT *	H		1.90		25/2	27	28			0.18		H	
	H			1.90		29	30					S P A C E	
NEW FAN COIL *	H	0.07			15/2	31	32		5.00			H	
	H		0.07			33	34	40/3		5.00		H	HVAC - MH1 SENIOR 140 (E)
S P A C E						35	36				5.00	H	
S P A C E						37	38						S P A C E
NEW RECEPTACLE CONDENSING UNIT *	R		0.18		20/1	39	40						S P A C E
S P A C E						41	42						S P A C E
		2.93	2.91	2.90					5.83	5.69	5.70		

DEMAND LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MISC, LOADS	0.30	100%	0.30
TYPE "L": LIGHTING / CONTINUOUS LOADS	0.00	125%	0.00
TYPE "R": RECEPTACLES (FIRST 10KVA)	0.90	100%	0.90
TYPE "R": RECEPTACLES (OVER 10KVA)	0.00	50%	0.00
TYPE "H": HVAC / MECHANICAL LOADS	24.76	100%	24.76
TOTALS:	25.96		25.96

PHASE A: 8.76 KVA
PHASE B: 8.60 KVA
PHASE C: 8.60 KVA
73.00 MAX AMPS / PHASE

NEW PANEL MP1 (MINI POWER CENTER)

VOLTS: 120 / 208 V — PHASE: 1 PH — WIRE: 3 W — BUSSING: 100A — POLES: 24P — MINI POWER ZONE, 7.5KVA INTEGRAL TRANSFORMER, 480V PRIMARY — 120/208 VOLT SINGLE PHASE SECONDARY, NEMA 3R
MAIN BRKR: 45A MCB — FEEDER: SEE SINGLE LINE — CONDUIT: SEE SINGLE LINE — MOUNTED: SURFACE — AIC RATING: 42 KAIC

LOAD DESCRIPTION	TYPE	A	B	BRKR,	CKT,	CKT,	BRKR,	A	B	TYPE	LOAD DESCRIPTION
SPARE				20/1	1	2	30/2	1.80		M	GENERATOR JACKET HEATER
RECEPTACLES GENERATOR AREA	R		0.36	20/1	3	4			1.80	M	
GENERATOR BATTERY CHARGER	M	0.20		20/1	5	6	20/1				SPARE
FUEL PUMP CONTROLLER	M		0.20	20/1	7	8	20/1		0.18	R	RECEPTACLES GENERATOR AREA
FUEL PUMP ASSEMBLY	M	1.00		20/1	9	10	20/1				SPARE
LIGHTING	L		0.60	20/1	11	12	20/1				SPARE
SPARE				20/1	13	14					S P A C E
S P A C E					15	16					S P A C E
S P A C E					17	18					S P A C E
S P A C E					19	20					S P A C E
S P A C E					21	22					S P A C E
S P A C E					23	24					S P A C E
		1.20	1.36					1.80	1.98		

DEMAND LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MISC, LOADS	5.00	100%	5.00
TYPE "L": LIGHTING / CONTINUOUS LOADS	0.60	125%	1.00
TYPE "R": RECEPTACLES (FIRST 10KVA)	0.54	100%	0.54
TYPE "R": RECEPTACLES (OVER 10KVA)	0.00	50%	0.00
TYPE "H": HVAC / MECHANICAL LOADS	0.00	100%	0.00
TOTALS:	6.34		6.54

PHASE A: 3.00 KVA
PHASE B: 3.34 KVA
27.83 MAX AMPS / PHASE

VOLT DROP CALCULATIONS

Los Altos EOC

THREE PHASE (LINE TO LINE) 480V

FEEDER COMMENT	LENGTH (FEET)	FLA (AMPS)	VOLTS	WIRE SIZE	OHMS /K ft.	V-DROP (@ FLA)	
800 Amp Feeder from Generator	608	676	Generator Max Output To Community Center EOC				
10004 FEEDER 3 SETS 225 AMPS/RUN	608	225	480	400	0.0321	7.61	1.58%
Feeders to new Mini Power Center 480 Volt Single Phase 7.5KVA	608	15	480	6	0.491	7.76	1.62%

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE: AUG 03, 2023
NOLL & TAM JOB NUMBER: 22203

REVISIONS

	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

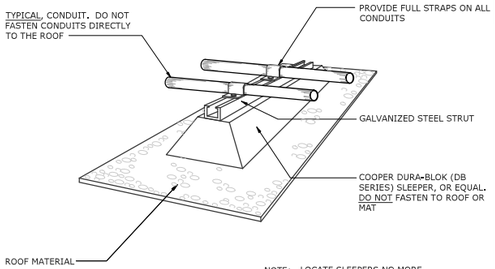
SHEET TITLE
SCHEDULES

SHEET NUMBER
E6-1

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E#-1_LA-EOC - CD-222056.dwg, 11/13/2023 11:25:48 AM, tveasab
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLA-EOC_Arch_Central_2023.rvt

LOS ALTOS EOC - 222056 - CONSTRUCTION DOCUMENTS

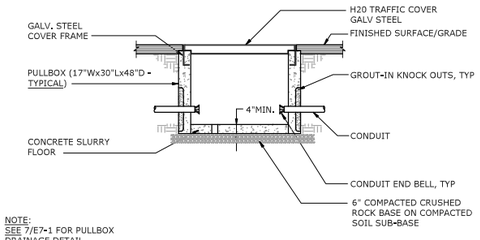
CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



ROOF MOUNTED CONDUITS

SCALE: NONE
FILE: L:\DETAILS\POWER\CONDUIT\PCOND012B

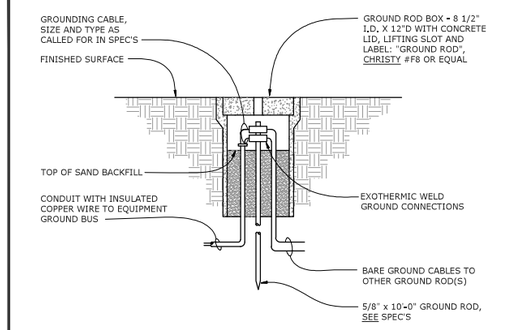
9 E7-1



TYPICAL PULLBOX

SCALE: NONE
FILE: L:\DETAILS\POWER\UG-PULLBOX\PUGP001 (MODIFIED FOR 222056)

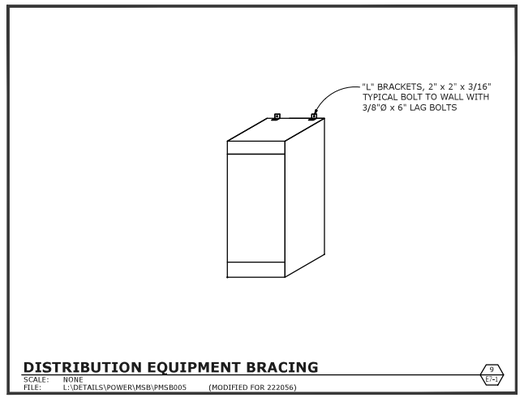
5 E7-1



GROUND ROD INSTALLATION

SCALE: NONE
FILE: L:\DETAILS\POWER\GROUND\PGROU002

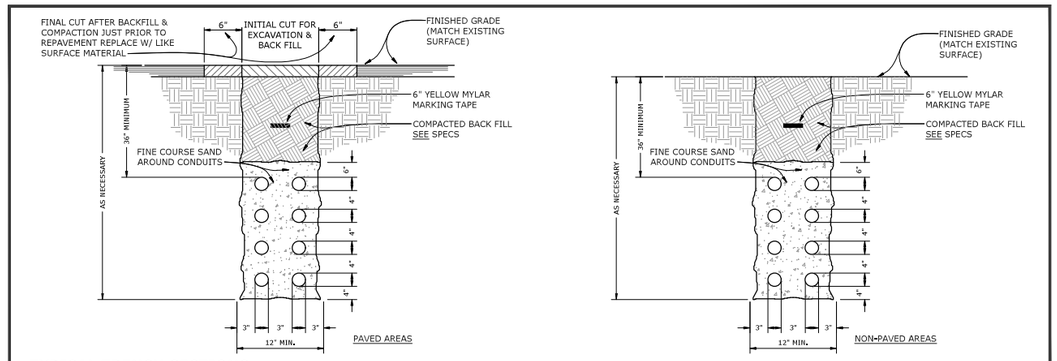
1 E7-1



DISTRIBUTION EQUIPMENT BRACING

SCALE: NONE
FILE: L:\DETAILS\POWER\MSB\PMSB005 (MODIFIED FOR 222056)

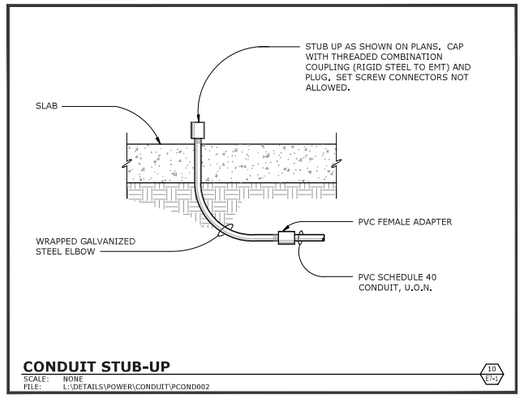
9 E7-1



TYPICAL TRENCH SECTIONS

SCALE: NONE
FILE: L:\DETAILS\POWER\TRENCH\PTREN005A

2 E7-1

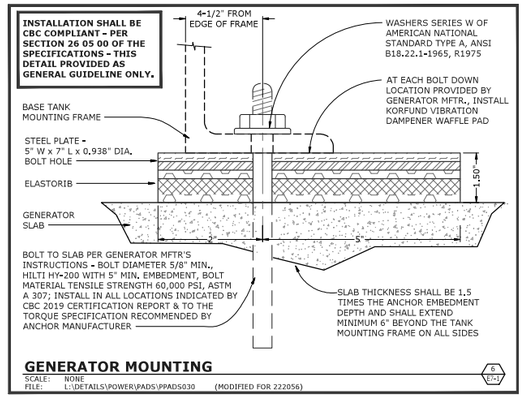


CONDUIT STUB-UP

SCALE: NONE
FILE: L:\DETAILS\POWER\CONDUIT\PCOND002

10 E7-1

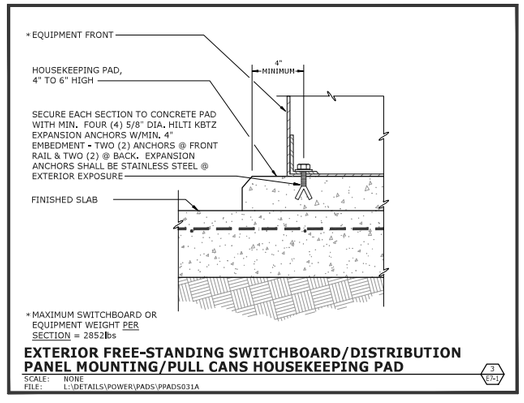
INSTALLATION SHALL BE CBC COMPLIANT - PER SECTION 26 05 00 OF THE SPECIFICATIONS - THIS DETAIL PROVIDED AS GENERAL GUIDELINE ONLY.



GENERATOR MOUNTING

SCALE: NONE
FILE: L:\DETAILS\POWER\PADS\PPADS030 (MODIFIED FOR 222056)

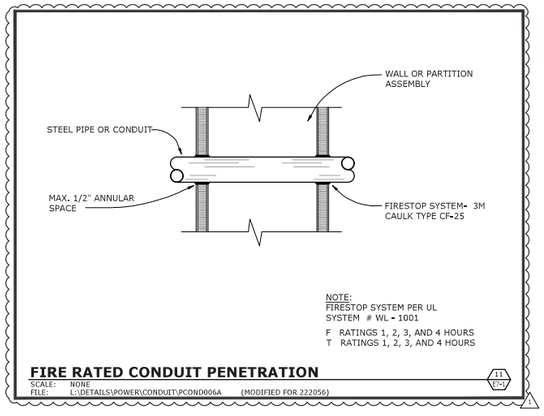
6 E7-1



EXTERIOR FREE-STANDING SWITCHBOARD/DISTRIBUTION PANEL MOUNTING/PULL CANS HOUSEKEEPING PAD

SCALE: NONE
FILE: L:\DETAILS\POWER\PADS\PPADS031A

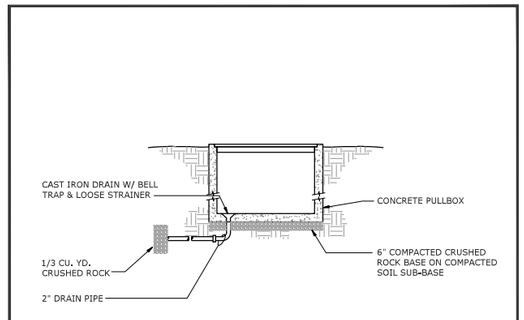
3 E7-1



FIRE RATED CONDUIT PENETRATION

SCALE: NONE
FILE: L:\DETAILS\POWER\CONDUIT\PCOND006A (MODIFIED FOR 222056)

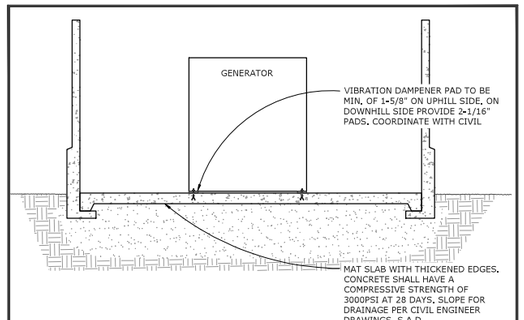
11 E7-1



TYPICAL PULLBOX DRAINAGE DETAIL

SCALE: NONE
FILE: L:\DETAILS\UG-PULLBOX\PUGP0-1,3 (MODIFIED FOR 222056)

7 E7-1



PAD FOR GENERATOR

SCALE: NONE
FILE: (NEW FOR 222056)

4 E7-1

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

#	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE
DETAILS

SHEET NUMBER
E7-1

P:\2022\LOS ALTOS EOC - 222056\CAD\CONSTRUCTION DOCUMENTS_E7-1_LosEOC - CD-222056.dwg, 11/13/2023 11:35:52 AM, tvassallo
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COLAEOC_Arch_Central_2023.rvt

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 7 of 7)
Project Address: 97 Hillview Ave	Date Prepared:	9/25/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Pieter Colenbrander	Documentation Author Signature: P. Colenbrander
Company: O'Mahony & Myer	Signature Date: 2023-09-25
Address: 4340 Redwood Highway Suite245	CA/ HERS Certification Identification (if applicable): E143738
City/State/Zip: San Rafael CA 94903	Phone: 415 492-0420

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Pieter Colenbrander	Responsible Designer Signature: P. Colenbrander
Company: O'Mahony & Myer	Date Signed: 2023-09-25
Address: 4340 Redwood Hwy Suite 245	License: E143738
City/State/Zip: San Rafael CA 94903	Phone: 415 492-0420

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 4 of 7)
	Date Prepared:	9/25/2023

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (or untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Generator Yard	Other Control	NA: Not permitted by H&LS	NA: Each Luminaire<= 40 Watts	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from I and III.*

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 5 of 7)
	Date Prepared:	9/25/2023

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B / Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
	☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Yard	667	0.019	12.7	118	0.2	17.7	30
					Initial Wattage Allowance for Entire Site (Watts):		200
					Instances of Initial Wattage Allowance (LZ 3 only)[1]		
					Total General Hardscape Allowance (Watts):		230

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 6 of 7)
	Date Prepared:	9/25/2023

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Generator Yard;

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 1 of 7)
Project Address: 97 Hillview Ave	Date Prepared:	9/25/2023

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 188.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Los Altos	04	Total Illuminated Hardscape Area (ft²)	667
02	Climate Zone	4			
03	Outdoor Lighting Zone per Title 24 Part 1	10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
• All Other Occupancies					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01		02	
☒	New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐	Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03		04	05
% of Existing Luminaires Being Altered[1]		Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%			

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 2 of 7)
	Date Prepared:	9/25/2023

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results			
01		02		03		04		05	OR	06	=	07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	Total Allowed (Watts)	≥	Total Actual (Watts	07 must be >= 08
230	+	---	+	---	+	---	+	---	OR	---	=	230	≥	70	COMPLIES
												Shielding Compliance (See Table G for Details)			N/A
												Controls Compliance (See Table H for Details)			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Exc 1. to 130.2(c) - Life Safety-Manual On/Off

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: LOS ALTOS - EMERGENCY OPERATION CENTER	Report Page:	(Page 3 of 7)
	Date Prepared:	9/25/2023

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 110.2(b) / 140.5(c)[4]	Field Inspector	
										Pass	Fail
BF1E	BF1E- WALL MOUNT	☐ Linear	14	Mfr. Spec	5	New	☐	70	N/A < 6200 umens	☐	☐
								Total Design Watts:	70		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue, EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacements luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(i)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2023
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 Redwood Hwy., Suite 245
San Rafael, California 94903
Tel (415) 492-0420 Fax (415) 479-9662
www.ommconsulting.com

SEAL

PROJECT TITLE

City of Los Altos
EMERGENCY OPERATION CENTER

97 Hillview Ave. Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

⚠	DATE	DESCRIPTION
1	11/15/2023	PERMIT PLAN CHECK RESPONSE

SHEET TITLE

TITLE 24 DOCUMENTATION

SHEET NUMBER

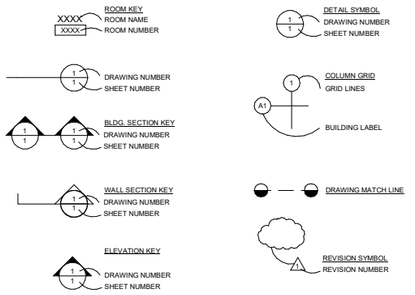
E8-1

LOS ALTOS DOC - 220656 - CONSTRUCTION DOCUMENTS
P:\2022\LOS ALTOS EOC - 220656\CAD\CONSTRUCTION DOCUMENTS_E8-1_Los Altos EOC\COL_Los Altos EOC_ArchCentral_2023.rvt
5/4/2023 10:19:22 AM Autodesk Docs://Los Altos EOC/COL_Los Altos EOC_ArchCentral_2023.rvt

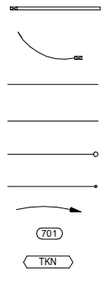
AUDIO VISUAL SYSTEMS GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
2. PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON AUDIO VISUAL SYSTEMS (AV) DRAWINGS UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM . PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
3. PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 27 05 33.
4. LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
5. DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
6. QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
7. QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
8. LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.
9. NOT USED.
10. WIRING FOR THE WORK OF AUDIO VISUAL SYSTEMS IS NOT PERMITTED TO SHARE CONDUIT, SLEEVES OR J-HOOKS WITH WIRING FOR WORK OF COMMUNICATIONS WIRES, CABLES AND RELATED. MAINTAIN AT LEAST 2 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 3 INCHES OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

GENERAL SYMBOLS



LEGEND



SURFACE RACEWAY.
FOR COMMUNICATIONS AND POWER SYSTEM PROVIDED UNDER DIV. 27.

MARK INDICATES RACEWAY DROP FROM CEILING. COORDINATE EXACT LOCATION WITH DIV. 27 PLANS.

NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATIONS.

NEW WIRE AND/OR CABLE INSIDE NEW CONDUIT WALLS OR IN CEILING .

CABLE/RACEWAY TURNS UP

CABLE/RACEWAY TURNS DOWN

HOME RUN

WIRING NOTES

KEYNOTES

JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	D (INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	8
J7	18	18	6
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8

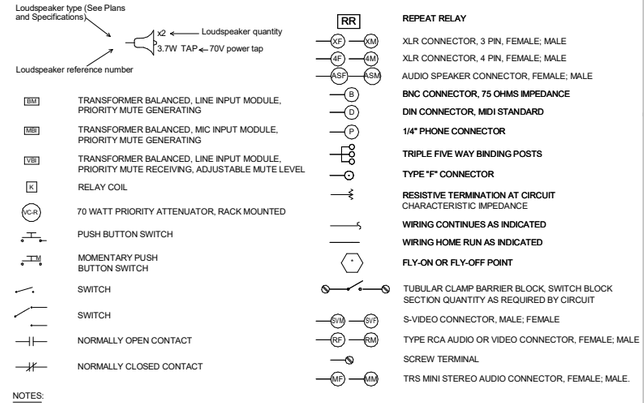
SUFFIX:
NONE - NEMA 1
A - NEMA 12
B - NEMA 3R
C - NEMA 4
D - NEMA 4X

NOTE
ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

ABBREVIATIONS

A.D.A.	AMERICANS WITH DISABILITIES ACT
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C.	BELOW FINISHED CEILING
BLDG.	BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED	DEDUCTIVE
DIA.	DIAMETER
DIV	DIVISION
(E)	EXISTING
EA.	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE
H.R.	HOME RUN
HT.	HEIGHT
IDF	INTERMEDIATE DISTRIBUTION FACILITY
J, JBOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MAX.	MAXIMUM
MDF	MAIN DISTRIBUTION FACILITY
MIN.	MINIMUM
MMF	MULTI MODE OPTICAL FIBER
MOD.	MODULAR
MPOE	MINIMUM POINT OF ENTRY
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
OSP	OUTSIDE PLANT
PNL.	PANEL
PROJ.	PROJECT
P.S.R.H	PROJECT STANDARD RECEPTACLE HEIGHT +18" ATT, U.O.N.
P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO ℄ U.O.N.
RE:	REFER TO
REF.	REFERENCE
S.A.D.	SEE ARCHITECTURAL DRAWINGS
S.E.D.	SEE ELECTRICAL DRAWINGS
S.I.D.	SEE INTERIORS DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
SIM.	SIMILAR
SMF	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC	SPECIFICATION
S.R.	SURFACE RACEWAY
STD	STANDARD
STP	SHIELDED TWISTED PAIR
T.C.	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELCOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TP	TWISTED PAIR
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHERPROOF

AV FUNCTIONALS LEGEND



TRANSFORMER BALANCED, LINE INPUT MODULE, PRIORITY MUTE GENERATING

TRANSFORMER BALANCED, MIC INPUT MODULE, PRIORITY MUTE GENERATING

TRANSFORMER BALANCED, LINE INPUT MODULE, PRIORITY MUTE RECEIVING, ADJUSTABLE MUTE LEVEL

RELAY COIL

70 WATT PRIORITY ATTENUATOR, RACK MOUNTED

PUSH BUTTON SWITCH

MOMENTARY PUSH BUTTON SWITCH

SWITCH

SWITCH

NORMALLY OPEN CONTACT

NORMALLY CLOSED CONTACT

REPEAT RELAY

XLR CONNECTOR, 3 PIN, FEMALE; MALE

XLR CONNECTOR, 4 PIN, FEMALE; MALE

AUDIO SPEAKER CONNECTOR, FEMALE; MALE

BNC CONNECTOR, 75 OHMS IMPEDANCE

DIN CONNECTOR, MIDI STANDARD

1/4" PHONE CONNECTOR

TRIPLE FIVE WAY BINDING POSTS

TYPE "F" CONNECTOR

RESISTIVE TERMINATION AT CIRCUIT CHARACTERISTIC IMPEDANCE

WIRING CONTINUES AS INDICATED

WIRING HOME RUN AS INDICATED

FLY-ON OR FLY-OFF POINT

TUBULAR CLAMP BARRIER BLOCK, SWITCH BLOCK SECTION QUANTITY AS REQUIRED BY CIRCUIT

S-VIDEO CONNECTOR, MALE; FEMALE

TYPE RCA AUDIO OR VIDEO CONNECTOR, FEMALE; MALE

SCREW TERMINAL

TRS MINI STEREO AUDIO CONNECTOR, FEMALE; MALE.

NOTES:

X DENOTES SEQUENCE NUMBER

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

SYMBOL SCHEDULE

SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
XXX-YY CAT TV	MEDIA PANEL, OFF-AIR TELEVISION OUTPUT	AUDIO-VISUAL SYSTEMS	WALL	27 41 23	2 GANG OLD WORK BOX WITH 1 GANG PLATE	R6	+18" A.F.F. TO C.L., U.O.N.	PER FUNCTIONAL AND AS NOTED.	MATCH SURROUNDING PLATES	N/A	N/A
XXX-YY SAT TV	MEDIA PANEL, DBS TELEVISION OUTPUT	AUDIO-VISUAL SYSTEMS	WALL	27 41 23	2 GANG OLD WORK BOX WITH 1 GANG PLATE	R6	+18" A.F.F. TO C.L., U.O.N.	PER FUNCTIONAL AND AS NOTED.	MATCH SURROUNDING PLATES	N/A	N/A

NOTE NO.	DEVICE NOTES
DN1	THE LABEL INDICATES THE STATION NUMBER. REFER TO THE DEVICE SCHEDULES
	WORK OF NOTES
WO1	WORK OF OTHERS. AUDIOVISUAL CONTRACTOR TO COORDINATE IN FIELD WITH CONTRACTOR PROVIDING INFRASTRUCTURE/BACKBOXES.
	LOCATION & ROUGH-IN NOTES
LRI1	FLUSH 4S BOX IN WALL ADJ. TO INDICATED LOCATION. FISH CABLE THROUGH FURNITURE TO OWNER SELECTED MOUNTING LOCATION.
LRI2	TOP OF DOOR AND IN DOOR FRAME, NOT MORE THAN 6" FROM JAMB SIDE. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.
LRI3	4S BOX W/ 1 GANG RING BLANK COVER PLATE
LRI4	ABOVE DESK IN ELECTRIFIED BELT OR AT BASE IN ELECTRIFIED BASE PER OWNER'S REP.
LRI5	AT SUSPENDED CLG CONDITIONS, SM 4S BOX, BLNK COVER & FLEX C TO DEVICE. ELSEWHERE MOUNTED IN CEILING ADJ TO DEVICE OR MNT DEVICE TO COVER PLATE.
LRI6	SURFACE MTD 4S BOX WITH BLANK COVER PLATE INSTALLED ADJACENT TO TRACK AND WITHIN 6" OF FLOOR. PROVIDE ONE DEVICE AT OPPOSITE SIDES OF EACH OPENING. INSTALL DEVICE TO TRACK PER MANUFACTURER'S INSTRUCTIONS.
LRI7	CUSTOM VENTED BACKBOX (CRESTRON BB4L OR EQUAL) WITH LOCKING HINGED COVER PLATE (FSR WB-MR3G OR EQUAL).
LRI8	4S BOX W/ BLANK COVER PLATE W/ GROMMET OPENING MTD WITHIN 6" OF LATCH AT UNDERSIDE OF ROOF. EXTEND HS TO HATCH FRAME AND INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
LRI9	4S BOX W/ 1 GANG RING WITH LOCKING HINGED COVER PLATE (FSR WB-MR2G OR EQUAL).
LR10	PROVIDE BACKING IN WALL TO SUPPORT DEVICE WEIGHING UP 100 POUNDS SUPPORTED UPTO 12" FROM FINISHED FACE OF WALL.

	RACEWAY NOTES
R1	2" C. H.R. TO R35
R2	NOT USED.
R3	NOT USED.
R4	AS DETAILED AND/OR SCHEDULED
R5	3/4" C. H.R. TO ACCESSIBLE CEILING, U.O.N.
R6	1" C. H.R. TO ACCESSIBLE CEILING, U.O.N.
R7	1-1/4" C. H.R. TO ACCESSIBLE CEILING, U.O.N.
R8	LIQUIDTITE TO SERVING EFM, EFM-R OR FMP, AS APPLIES. SIZE TO MATCH FILL AT 40% FILL MAXIMUM.
R9	AT ACCESSIBLE CEILING, PROVIDE ABOVE CEILNG PATHWAY USING CABLE HOOKS. WHERE MOUNTED IN GYP CEILING, EXTEND 3/4" C. TO ACCESSIBLE CEILING.
R10	1-1/4" C TO 1 GANG COMPARTMENT. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN
R11	(3) 1-1/4" C TO 6 GANG COMPARTMENT STUBBED TO ACCESSIBLE CEILING, (2) 1-1/4" C TO 3 GANG COMPARTMENT STUBBED TO ACCESSIBLE CEILING, AND (1) 1-1/4" C TO EACH 1 GANG COMPARTMENT STUBBED TO ACCESSIBLE CEILING. SEE DIV. 26 FOR ELECTRICAL RACEWAY.
R12	3/4" C. BETWEEN MAIN STATION 4S BACKBOX AND POWER SUPPLY 4S BACKBOX. 3/4" FROM MAIN STATION BACKBOX TO ADJACENT SIM LAB ACCESSIBLE CEILING.
R13	(2) 1.5"C. FROM EACH 5S BACKBOX TO ACCESSIBLE CEILING AND (2) 1"C. FROM 4S BACKBOX TO ACCESSIBLE CEILING

ACCESSIBLE CEILING IS A T-BAR OR SIMILAR GRID BASED, PANELIZED REMOVEABLE CEILING MEETING THE DEFINITION FOR ACCESSIBLE WIRING METHODS IN ARTICLE 100 OF THE CALIFORNIA ELECTRICAL CODE.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES, LEGEND, SYMBOL, ABBREVIATIONS, JUNCTION BOX & SYMBOL SCHEDULES

SHEET NUMBER
TA0-1

8/2/2023 3:34:57 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

1 FLOOR PLAN - AUDIOVISUAL
1/8" = 1'-0"

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

KEYNOTES

APPROVALS

SEAL

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

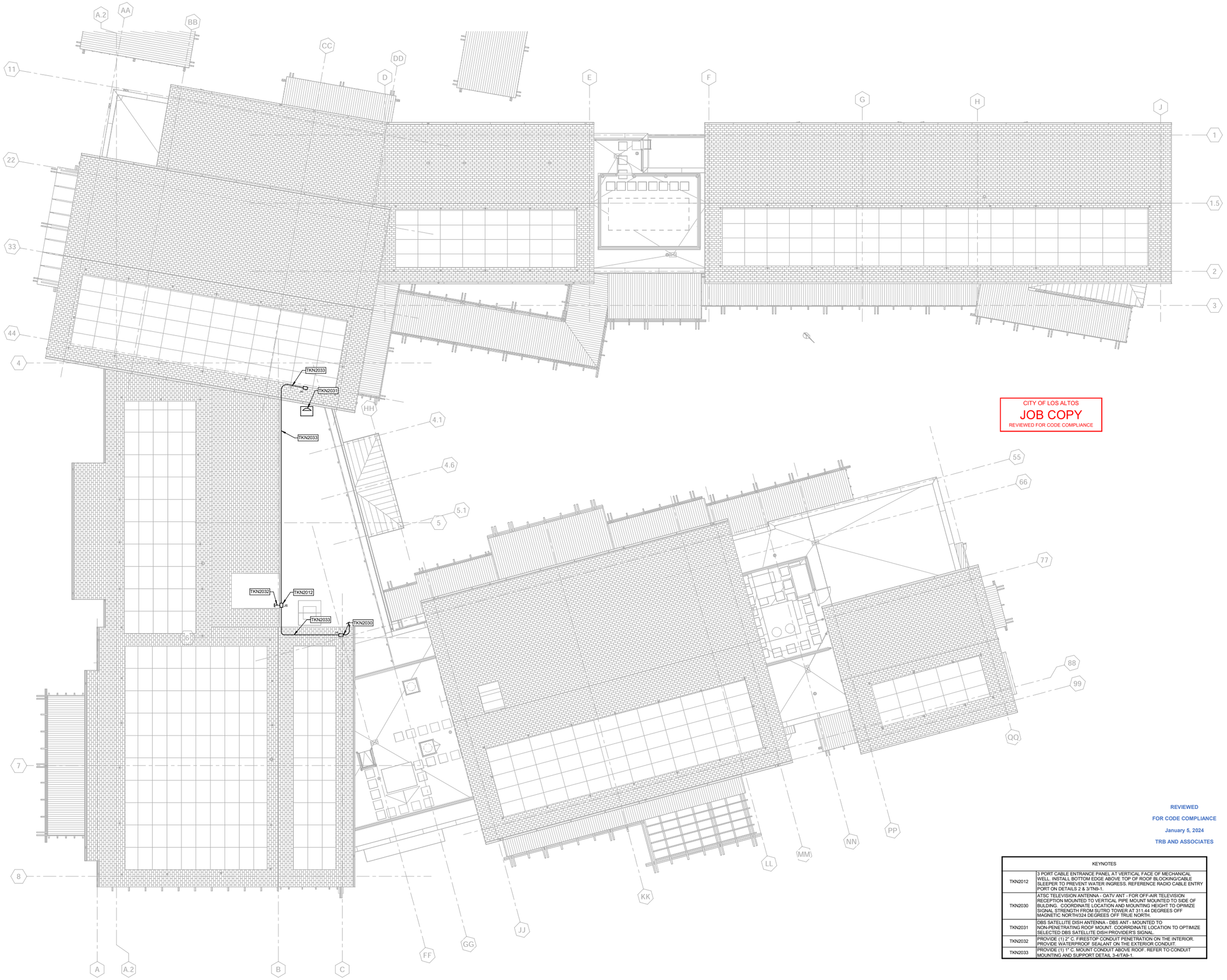
REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
FLOOR PLAN - AUDIOVISUAL

SHEET NUMBER
TA2-1

8/2/2023 3:36:56 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt



CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

KEYNOTES	
TKN2012	3 PORT CABLE ENTRANCE PANEL AT VERTICAL FACE OF MECHANICAL WELL. INSTALL BOTTOM EDGE ABOVE TOP OF ROOF BLOCKING/CABLE SLEEPER TO PREVENT WATER INGRESS. REFERENCE RADIO CABLE ENTRY PORT ON DETAILS 2 & 3/TN9-1.
TKN2030	ATSC TELEVISION ANTENNA - OATV ANT - FOR OFF-AIR TELEVISION RECEPTION MOUNTED TO VERTICAL PIPE MOUNT MOUNTED TO SIDE OF BUILDING. COORDINATE LOCATION AND MOUNTING HEIGHT TO OPIMIZE SIGNAL STRENGTH FROM SUTRO TOWER AT 311.44 DEGREES OFF MAGNETIC NORTH324 DEGREES OFF TRUE NORTH.
TKN2031	DBS SATELLITE DISH ANTENNA - DBS ANT - MOUNTED TO NON-PENETRATING ROOF MOUNT. COORRDINATE LOCATION TO OPTIMIZE SELECTED DBS SATELLITE DISH PROVIDER'S SIGNAL.
TKN2032	PROVIDE (1) 2" C. FIRESTOP CONDUIT PENETRATION ON THE INTERIOR. PROVIDE WATERPROOF SEALANT ON THE EXTERIOR CONDUIT.
TKN2033	PROVIDE (1) 1" C. MOUNT CONDUIT ABOVE ROOF. REFER TO CONDUIT MOUNTING AND SUPPORT DETAIL 3-4/TA9-1.

1 ROOF PLAN - AUDIOVISUAL
1/8" = 1'-0"

8/2/2023 3:37:01 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
ROOF PLAN - AUDIOVISUAL

SHEET NUMBER
TA2-2

KEYNOTES	
TKN2001C	PROVIDE (1) 2" C. ABOVE CEILING AREA. HOMERUN CONDUIT TO MDF/TR 1.0 AND EXTEND CONDUIT TO THE NEAREST CABLE TRAY.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

① RCP - AUDIOVISUAL
1/8" = 1'-0"

8/2/2023 3:37:07 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

APPROVALS

NOLL & TAM
ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE **AUG 03, 2023**

NOLL & TAM JOB NUMBER **22203**

REVISIONS

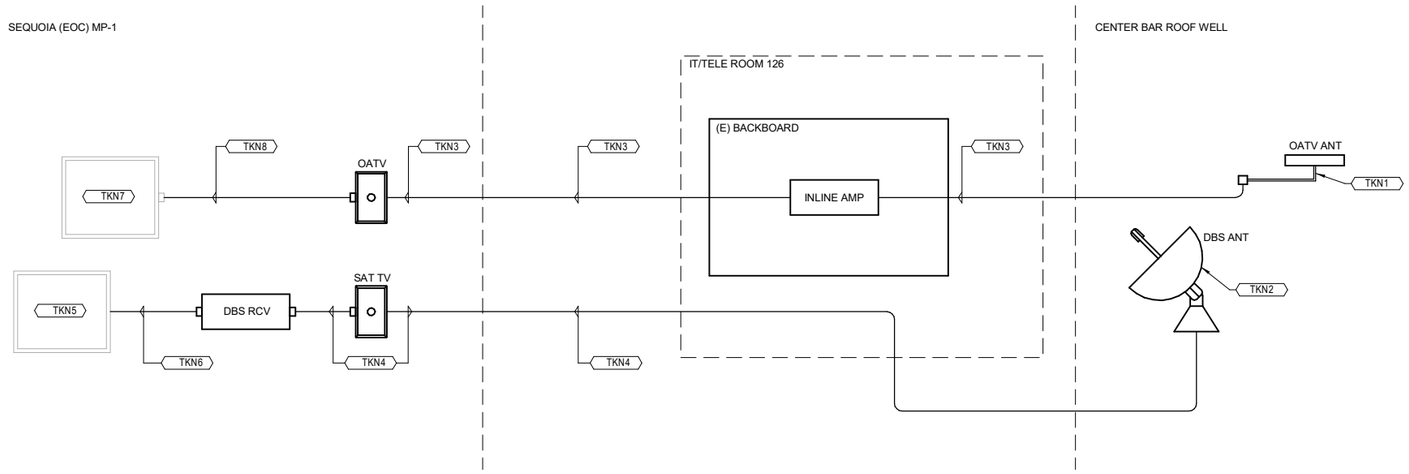
#	DATE	DESCRIPTION

SHEET TITLE
RCP - AUDIOVISUAL

SHEET NUMBER
TA6-1

KEYNOTES

TKN	TELECOMMUNICATIONS SYSTEMS: COMPLY WITH DIVISION 27.
TKN1	ROOFTOP MOUNTED OFF-AIR TELEVISION MULTI-DIRECTIONAL ANTENNA.
TKN2	ROOFTOP MOUNTED DBS SATELLITE DISH ANTENNA.
TKN3	RG6L
TKN4	1-2 RG6L AS REQUIRED BY DBS PROVIDER.
TKN5	CITY FURNISHED CART MOUNTED DISPLAY WITH HDMI INPUT.
TKN6	10' HDMI CABLE.
TKN7	CITY FURNISHED CART MOUNTED TV WITH ATSC TUNER INPUT.
TKN8	10' RG6 CABLE.



1 OAT AND DBS TELEVISION SYSTEM SINGLE LINE DIAGRAM

NTS

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

APPROVALS

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

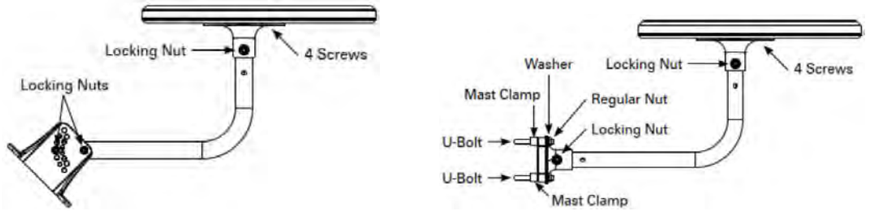
SHEET TITLE
OAT AND DBS TELEVISION SYSTEMS SINGLE LINE DIAGRAM

SHEET NUMBER
TA7-1

8/22/2023 3:34:57 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

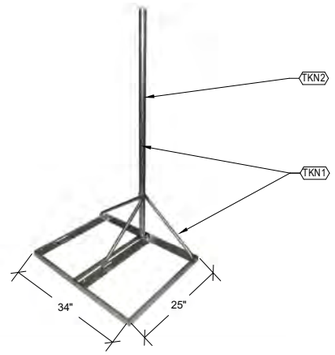
KEYNOTES

TKN	COMMUNICATIONS SYSTEMS COMPLY WITH DIVISION 27.
TKN1	NPRM AS SPECIFIED IN SECTION 27 41 33. ASYMMETRICAL DESIGN PERMITS MAST TO BE PLACED ADJACENT TO ROOF EDGE/PARAPET PROVIDING DBS ANTENNA MAXIMUM SIGNAL STRENGTH WITH MINIMUM MAST HEIGHT.
TKN2	CUT MAST TO HEIGHT REQUIRED WHILE MINIMIZING PUBLIC VISIBILITY.



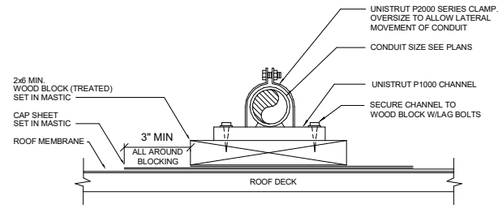
WALL AND ROOF MOUNT **POLE MOUNT**

1 OMNIDIRECTIONAL TV ANTENNA MOUNTING DETAIL
NTS



2A NPRM ISOMETRIC
NTS

2 NON-PENETRATING ROOF MOUNT
NTS



3 CONDUIT MOUNTING ABOVE ROOF
NTS

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

DB Series
Base with Galv. Channel - 1" (25mm) high
Dimensions - 5" (127mm) High x 6" (152mm) Wide x Length (overall length)
Ultimate Load Capacity - (uniform load) *

DB5 = 200 lbs. (0.89kN)
DB10 = 500 lbs. (2.22kN)
DB20 = 1,000 lbs. (4.45kN)
DB30 = 1,500 lbs. (6,67kN)
DB40 = 2,000 lbs. (8.89kN)
DB48 = 2,500 lbs. (11.12kN)

UPC/Part #	Cat. #	Height	Width	Overall Length	Weight Each
782051 50035	DB5	5" (127mm)	6" (152mm)	4.8" (122mm)	2.75 (1.25kg)
782051 49972	DB10	5" (127mm)	6" (152mm)	9.6" (244mm)	5.26 (2.39kg)
782051 49874	DB20	5" (127mm)	6" (152mm)	20.2" (513mm)	10.63 (4.82kg)
782051 50021	DB30	5" (127mm)	6" (152mm)	30.8" (782mm)	15.98 (7.25kg)
782051 50022	DB40	5" (127mm)	6" (152mm)	41.4" (1052mm)	21.34 (9.68kg)
782051 50023	DB48	5" (127mm)	6" (152mm)	52.0" (1321mm)	26.70 (12.4kg)

DB10

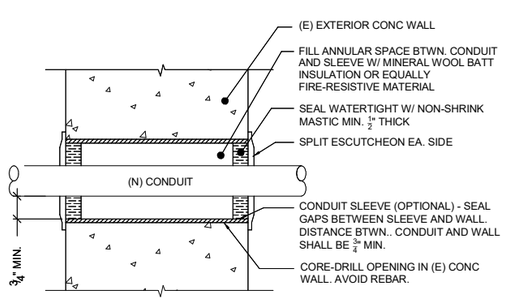
DB6 Series
Base with 12 ga. (2.6mm) Galv. Channel - 2 9/16" (62mm) high
Dimensions - 6 9/16" (163mm) High x 6" (152mm) Wide x Length (overall length)
Ultimate Load Capacity - (uniform load) *

DB610 = 500 lbs. (2.22kN)
DB620 = 1,000 lbs. (4.45kN)
DB630 = 1,500 lbs. (6.67kN)
DB640 = 2,000 lbs. (8.89kN)
DB648 = 2,500 lbs. (11.12kN)

UPC/Part #	Cat. #	Height	Width	Overall Length	Weight Each
782051 50024	DB610	6 9/16" (163mm)	6" (152mm)	9.6" (244mm)	8.38 (7.80kg)
782051 50025	DB620	6 9/16" (163mm)	6" (152mm)	20.2" (513mm)	12.90 (5.85kg)
782051 50026	DB630	6 9/16" (163mm)	6" (152mm)	30.8" (782mm)	19.45 (8.82kg)
782051 50027	DB640	6 9/16" (163mm)	6" (152mm)	41.4" (1052mm)	25.00 (11.79kg)
782051 50028	DB648	6 9/16" (163mm)	6" (152mm)	52.0" (1321mm)	32.55 (14.78kg)

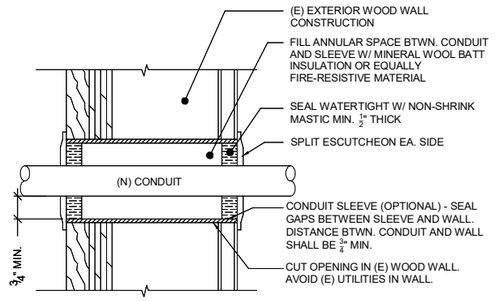
DB630

4 CONTRACTOR'S OPTION: B-LINE DURA BLOK ROOFTOP SUPPORT SYSTEM
NTS



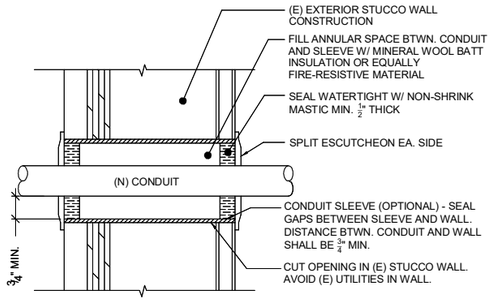
NOTE: VERIFY ACTUAL WALL CONSTRUCTION AT EACH LOCATION.

5 (N) CONDUIT THRU (E) EXT. CONC WALL
NTS



NOTE: VERIFY ACTUAL WALL CONSTRUCTION AT EACH LOCATION.

6 (N) CONDUIT THRU (E) EXT. WOOD WALL
NTS



NOTE: VERIFY ACTUAL WALL CONSTRUCTION AT EACH LOCATION.

7 (N) CONDUIT THRU (E) EXT. STUCCO WALL
NTS

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE
City of Los Altos
Los Altos CC EOC
97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
DETAILS - NON-PENETRATION ROOF MOUNT

SHEET NUMBER
TA9-1

8/2/2023 3:34:58 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

COMMUNICATIONS SYSTEMS GENERAL NOTES

1 REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.

2 PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON COMMUNICATIONS SYSTEMS (TN) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM . PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.

3 PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS.

4 LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.

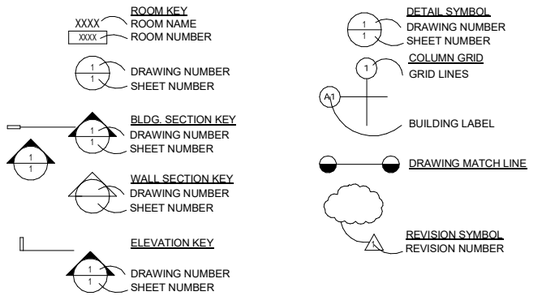
5 DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.

6 QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.

7 QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.

8 LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.

GENERAL SYMBOLS

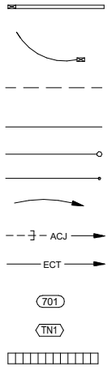


MATERIAL & EQUIPMENT LEGEND

1IDP	1" INNERDUCT, PLENUM RATED
2IDP	2" INNERDUCT, PLENUM RATED
C5ePP	CATEGORY 5e PATCH PANEL
C6PP	CATEGORY 6 PATCH PANEL.
FOH-P	FIBER OPTIC CABLE HYBRID, PLENUM RATED
FOH-OPR	FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED
FOM-OPR	FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED
FOS-OPR	FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED
FPP	FIBER PATCH PANEL
FSC	FIBER SPLICE CLOSURE
FSP	FIBER SPLICE PANEL
FTB	FIBER TERMINAL BOX
IDF	INTERMEDIATE DISTRIBUTION FACILITY
MDF	MAIN DISTRIBUTION FACILITY.
MM	MULTI MODE OPTICAL FIBER
MMP	MULTIMEDIA PLATE
MPOE	MINIMUM POINT OF ENTRY
OSP	OUTSIDE PLANT
SM	SINGLE MODE OPTICAL FIBER
T.C.	TELECOMMUNICATIONS CLOSET
T-OPD	TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY
UTP5e-4	UNSHIELDED TWISTED PAIR, CAT. 5e
UTP5e-4P	UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM
UTP5e-4OP	UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT
UTP6-4	UNSHIELDED TWISTED PAIR, CAT. 6
UTP6-4P	UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM
UTP6-4OP	UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT
110TBXX	110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS
110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS
PWC3PP	PRE-WIRED, 50 PIN CONNECTOR (REAR) & RJ45 (FRONT) CAT.3 PATCH PANEL
TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.

NOTE:
SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT TYPES REFER TO SPECIFICATIONS.

LEGEND



SURFACE RACEWAY.
FOR COMMUNICATIONS AND POWER SYSTEM PROVIDED UNDER DIV. 27.

MARK INDICATES RACEWAY DROP FROM CEILING. COORDINATE EXACT LOCATION WITH DIV. 27 PLANS.

NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 27 05 33.

NEW WIRE AND/OR CABLE INSIDE NEW CONDUIT WALLS OR IN CEILING .

CABLE/RACEWAY TURNS UP

CABLE/RACEWAY TURNS DOWN

HOME RUN

CONDUIT TO CABLE TRANSITION POINT

EXPOSED CABLE UNDER CEILING SUPPORTED BY CLIPS OR STAPLES @ 1'-0" O.C.

WIRING NOTES

KEYNOTES

CABLE RUNWAY OR CABLE TRAY. TYPE & SIZE AS INDICATED ON PLANS AND SPECIFICATIONS SECTION 27 05 36.

JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	(INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	6
J7	18	18	8
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8

SUFFIX:

NONE - NEMA 1
A - NEMA 12
B - NEMA 3R
C - NEMA 4
D - NEMA 4X

EXAMPLE: J16C= 30"H X 30"W X 8"D HINGED NEMA 4 JBOX.

NOTE 1

ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

ABBREVIATIONS

1SR-1	SINGLE CHAMBER SURFACE RACEWAY
3SR-2.5	THREE CHAMBER SURFACE RACEWAY
A.D.A.	AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C.	BELOW FINISHED CEILING
BLDG.	BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED	DEDUCTIVE
ϕ, DIA.	DIAMETER
DIV	DIVISION
(E)	EXISTING
EA.	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE
H.R.	HOME RUN
HT.	HEIGHT
J, JBOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODULAR
MON.	MONUMENT
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
PNL.	PANEL
PROJ.	PROJECT
P.S.R.H	PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N.
P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO ℄ U.O.N.
RE:	REFER TO
REF.	REFERENCE
SIM.	SIMILAR
SM	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC	SPECIFICATION
S.R.	SURFACE RACEWAY
STD	STANDARD
STP	SHIELDED TWISTED PAIR
T.C.	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELCOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
T-OPD	TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY
TP	TWISTED PAIR
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHERPROOF

SYMBOL SCHEDULE

SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
	WALL SLEEVE/CONDUIT	PATHWAY	INDICATED	27 05 33	N/A	R11					
J	J-BOX WITH BLANK FACE PLATE	COMMUNICATIONS PATHWAY	INDICATED	27 05 33	4S BOX, 2-1/8" DEEP MIN., U.O.N. AT CMU WALLS, PROVIDE 3-1/2" DEEP 2 GANG MASONRY BOX.	R4	INDICATED		STEEL	2	
XX/YY	MULTIMEDIA DEVICE PLATE. DN1	COMMUNICATIONS	INDICATED AND/OR SCHEDULED	27 05 33, 27 15 00	FLUSH 2 GAND OLD WORK BOX, 2-7/8" DEEP MIN., W/ 1 GANG RING, U.O.N.	R7	+18" AFF TO CL, U.O.N.	AS SCHEDULED	WHITE OR IVORY - MATCH ADJ. ELECTRICAL U.O.N.		
WB3	FLUSH IN WALL 12" WIDE X 16.75" HIGH BY 4" DEEP MIN PULL BOX WITH LOCKING COVER WITH INTEGRAL CABLE EXIT DOOR	RADIO SYSTEMS	INDICATED	27 05 33	N/A	AS DETAILED	BOTTOM EDGE AT +18" AFF, U.O.N.	PER FUNCTIONAL	PAINTED TO MATCH SURROUNDINGS.	LESS THAN 10 LB.	TN9.1

NOTE NO.	DEVICE NOTES
DN1	SUBSCRIPT INDICATES QUANTITY OF CATEGORY AND COAX CABLES PROVIDED AT WAO AND DESTINATION. (D)ATA/VOICE CABLING IS CAT6 TO STANDARD WAO'S, CAT6A TO WIFI WAO'S. (B)ROADBAND VIDEO CABLING IS RG-6. EXAMPLES: D2 REPRESENTS 2 C6 CABLES AND JACKS TERMINATED AT THE INDICATED WAO AND SERVING TR. B1 IS 1 RG-6 TERMINATED AT THE INDICATED WAO AND SERVING TR.
	WORK OF NOTES
WO1	NOT USED
	LOCATION & ROUGH-IN NOTES
LRI1	FLUSH 4S BOX IN WALL ADJ. TO INDICATED LOCATION. FISH CABLE THROUGH FURNITURE TO CITY SELECTED MOUNTING LOCATION.
LRI2	NOT USED
LRI3	4S BOX W/ 1 GANG RING BLANK COVER PLATE
LRI4	ABOVE DESK IN ELECTRIFIED BELT OR AT BASE IN ELECTRIFIED BASE PER CITY'S REP.
LRI5	AT SUSPENDED CLG CONDITIONS, SM 4S BOX, BLNK COVER & FLEX C TO DEVICE. ELSEWHERE MOUNTED IN CEILING ADJ TO DEVICE OR MNT DEVICE TO COVER PLATE.
LRI6	SURFACE MTD 4S BOX WITH BLANK COVER PLATE INSTALLED ADJACENT TO TRACK AND WITHIN 6" OF FLOOR. PROVIDE ONE DEVICE AT OPPOSITE SIDES OF EACH OPENING. INSTALL DEVICE TO TRACK PER MANUFACTURER'S INSTRUCTIONS.
LRI7	NOT USED
LRI8	4S BOX W/ BLANK COVER PLATE W/ GROMMET OPENING MTD WITHIN 6" OF LATCH AT UNDERSIDE OF ROOF. EXTEND HS TO HATCH FRAME AND INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
LRI9	4S BOX, 2-1/8" DEEP MIN., W/ 1 GANG RING WITH LOCKING HINGED COVER PLATE (FSR WB-MR2G OR EQUAL).
LRI10	OUTLETS SHALL BE PLACED SO THEY WILL NOT BE COVERED BY AN UNDER-COUNTER CABINET.
LRI11	PROVIDE BACKING AND SUPPORT FOR 5 POUND DEVICE.
LRI12	NOT USED
LRI13	PROVIDE BACKING IN WALL SUITABLE TO SUPPORT A 20 POUND DEVICE WITH A LOAD CENTROID 18 INCHES FROM THE FACE OF THE WALL.
LRI14	PROVIDE BACKING IN WALL SUITABLE TO SUPPORT A 200 POUND DEVICE WITH A LOAD CENTROID 8 INCHES FROM THE FACE OF THE WALL.
LRI15	AS DETAILED AND/OR SCHEDULED ON THE ARCHITECTURAL DRAWINGS.

	RACEWAY NOTES
R1	NOT USED
R2	NOT USED
R3	NOT USED
R4	AS DETAILED AND/OR SCHEDULED
R5	3/4" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
R6	1" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
R7	1-1/4" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
R8	LIQUIDTITE TO SERVING EFM, EFM-R OR FMP, AS APPLIES. SIZE TO MATCH FILL AT 40% FILL MAXIMUM.
R9	AT ACCESSIBLE CEILING, EXTEND TO BASKET TRAY AT CENTER OF ROOM. WHERE MOUNTED IN GYP CEILING, EXTEND 3/4" C. TO BASKET TRAY AT CENTER OF ROOM
R10	2 1-1/4" C TO 4 GANG COMPARTMENT, 1 - 1" TO 1 GANG COMPARTMENT, STUBBED TO ACCESSIBLE CEILING OR FLOOR EXTEND TO TR ROOM USING BASKET TRAY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN.
R11	UNLESS OTHERWISE SHOWN, PROVIDE 1.5" EMT SLEEVE, WITH INSULATED THROAT BUSHING AT EACH END, STUBBED OUT 4 INCHES FROM FACE OF WALL, AT ELEVATION APPROXIMATELY 6 INCHES ABOVE ACCESSIBLE CEILING. INSTALL SLEEVE IN AN ACCESSIBLE LOCATION AS DEFINED IN CALIFORNIA ELECTRICAL CODE, ARTICLE 100 DEFINITIONS. PROVIDE FIRESTOPPING UNDER WORK OF SECTION 27 05 33. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 27 05 26 GROUNDING.
R12	4 1-1/4" C TO 6 GANG COMPARTMENT, 1 - 1.25" TO EA. 1 GANG COMPARTMENT, STUBBED TO ACCESSIBLE CEILING OR FLOOR, EXTEND TO TR ROOM IN BASKET TRAY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN TO 3 GANG COMPARTMENT. ACCESSIBLE CEILING IS A T-BAR OR SIMILAR GRID BASED, PANELIZED REMOVEABLE CEILING MEETING THE DEFINITION FOR ACCESSIBLE WIRING METHODS IN ARTICLE 100 OF THE CALIFORNIA ELECTRICAL CODE.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES, LEGEND, ABBREVIATIONS, JBOX SCHEDULE & SYMBOL SCHEDULE

SHEET NUMBER
TN0-1

8/2/2023 3:34:58 PM Autodesk Docs://Los Altos EOC/CCOLA EOC_AV-IT_Central_2023.rvt

1 FLOOR PLAN - COMMUNICATIONS
1/8" = 1'-0"

SHEET NOTE:

1. PROTECT IN PLACE THE (E) HORIZONTAL AND BACKBONE CABLING WHILE PULLING IN (N) HORIZONTAL CABLING.

KEYNOTES	
TKN2001	PROVIDE FLUSH IN WALL 12" WIDE X 16.75" HIGH BY 4" DEEP MIN PULL BOX WITH LOCKING COVER WITH INTEGRAL CABLE EXIT DOOR EQUIVALENT TO FSR WB-X3-PLT WITH WB-X3-CVR-WHT COVER. BOTTOM AT +18" AFF. CENTER ON LOCATION PLANNED FOR LAARES RADIO ACTIVITY.
TKN2002	STUB 3-2" C. FROM TOP OF BOX TO ACCESSIBLE CEIILNG SPACE ABOVE ROOM 115B.
TKN2005	
TKN2006	(E) 2-4" C. ROUTES ABOVE MOISTURE BARRIER AND STUBS UP TO CLG VOID ABOVE COPY ROOM.
TKN2009	(E) (4) 2.5" C. ROUTES ABOVE MOISTURE BARRIER AND STUBS UP TO ACCESSIBLE SOFFIT.
TKN2010	(E) (2) 2.5" C. ROUTES ABOVE MOISTURE BARRIER AND STUBS UP TO ACCESSIBLE SOFFIT.
TKN2011	WORK OF PROJECT INCREASES THE (E) UTP6-4 CABLE AND CAT6 JACK COUNT AT THIS WAO FROM 4 TO 6.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

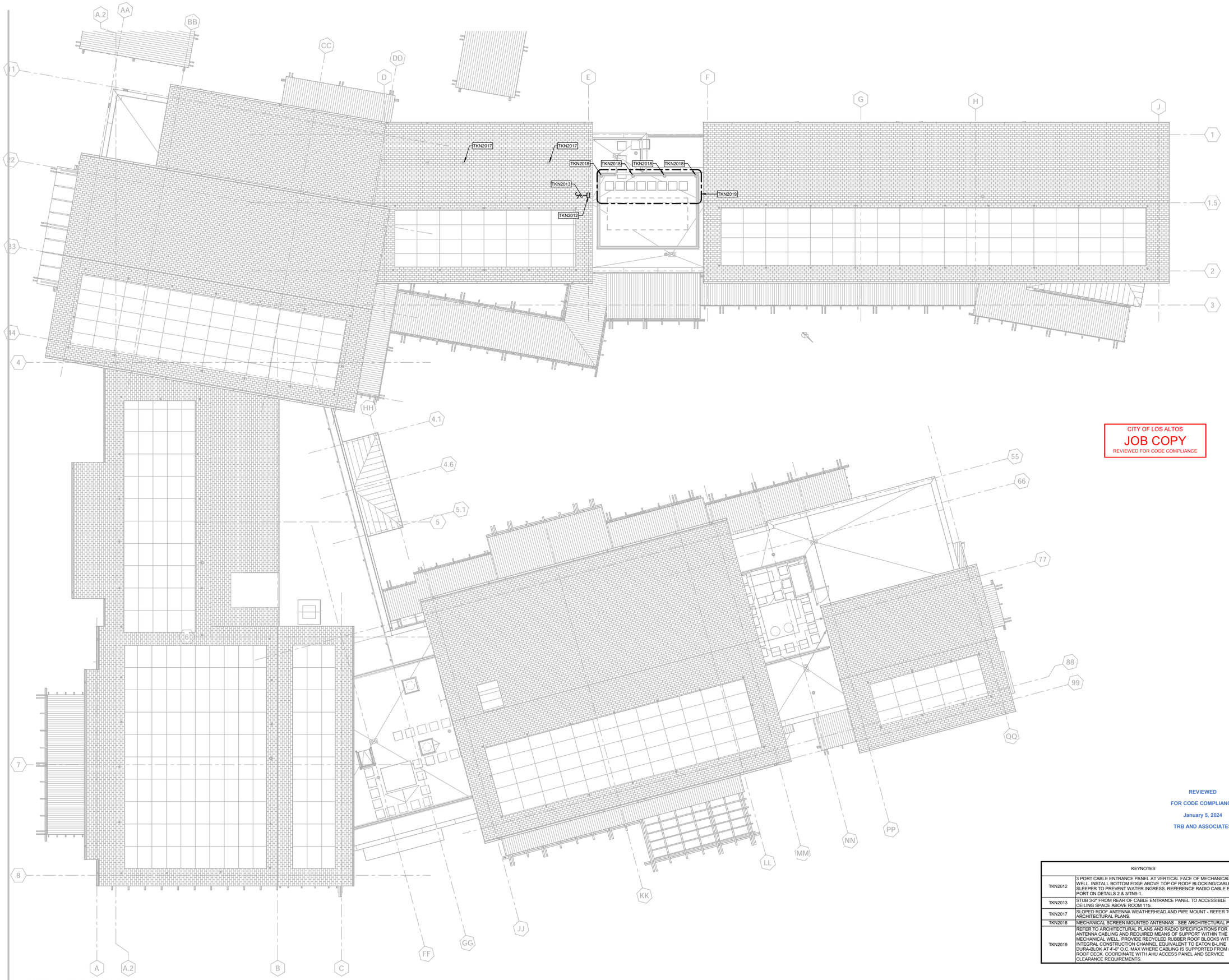
SHEET TITLE

FLOOR PLAN - COMMUNICATIONS

SHEET NUMBER

TN2-1

8/22/2023 3:37:15 PM Autodesk Docs://Los Altos EOC/OCOLA-EOC_AV-IT_Central_2023.rvt



1 ROOF PLAN - COMMUNICATIONS
1/8" = 1'-0"

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

KEYNOTES	
TKN2012	3 PORT CABLE ENTRANCE PANEL AT VERTICAL FACE OF MECHANICAL WELL. INSTALL BOTTOM EDGE ABOVE TOP OF ROOF BLOCKING/CABLE SLEEPER TO PREVENT WATER INGRESS. REFERENCE RADIO CABLE ENTRY PORT ON DETAILS 2 & 3/TN9-1.
TKN2013	STUB 3-2" FROM REAR OF CABLE ENTRANCE PANEL TO ACCESSIBLE CEILING SPACE ABOVE ROOM 115.
TKN2017	SLOPED ROOF ANTENNA WEATHERHEAD AND PIPE MOUNT - REFER TO ARCHITECTURAL PLANS.
TKN2018	MECHANICAL SCREEN MOUNTED ANTENNAS - SEE ARCHITECTURAL PLANS.
TKN2019	REFER TO ARCHITECTURAL PLANS AND RADIO SPECIFICATIONS FOR ANTENNA CABLING AND REQUIRED MEANS OF SUPPORT WITHIN THE MECHANICAL WELL. PROVIDE RECYCLED RUBBER ROOF BLOCKS WITH INTEGRAL CONSTRUCTION CHANNEL EQUIVALENT TO EATON B-LINE DURA-BLOK AT 4'-0" O.C. MAX WHERE CABLING IS SUPPORTED FROM (E) ROOF DECK. COORDINATE WITH AHU ACCESS PANEL AND SERVICE CLEARANCE REQUIREMENTS.

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

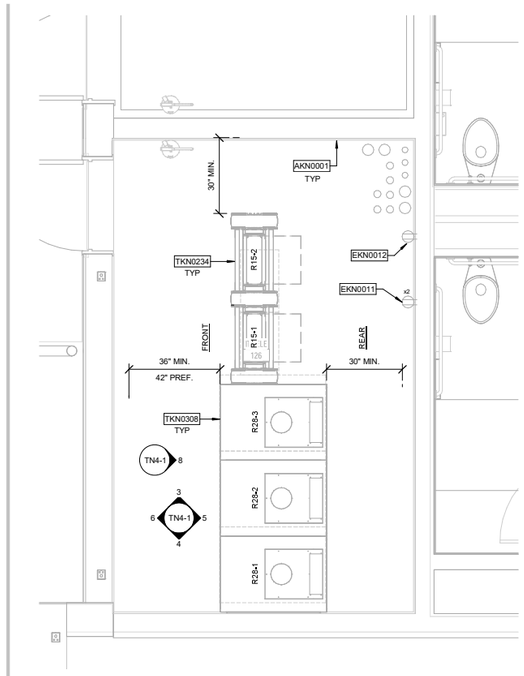
REVISIONS

	DATE	DESCRIPTION

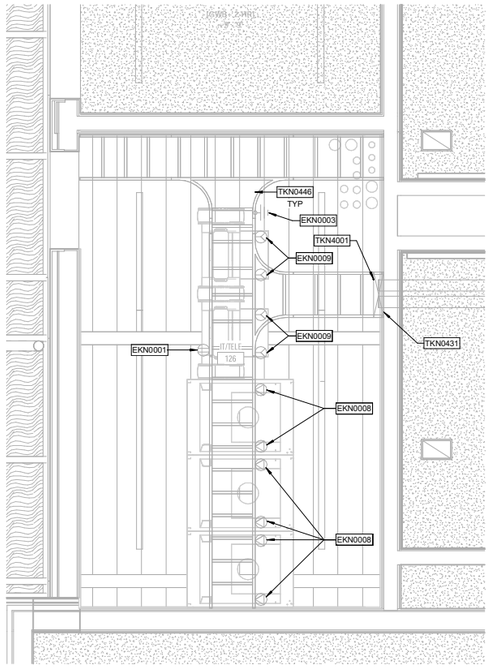
SHEET TITLE
ROOF PLAN - COMMUNICATIONS

SHEET NUMBER
TN2-2

8/2/2023 3:37:20 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt



1 MDF/TR 1.0 - ENLARGED PLAN
1/2" = 1'-0"



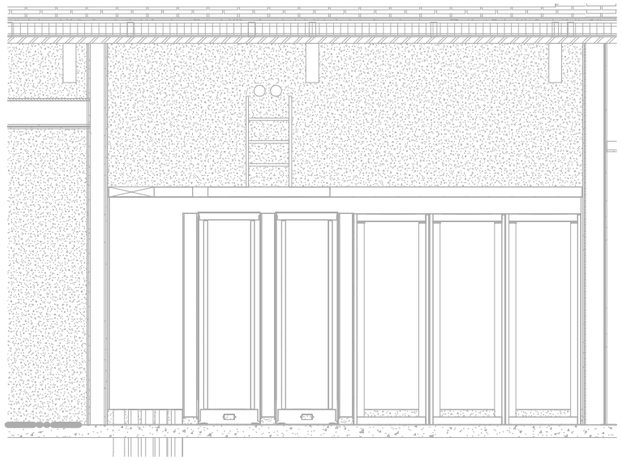
2 MDF/TR 1.0 - ENLARGED RCP
1/2" = 1'-0"

SHEET NOTE:

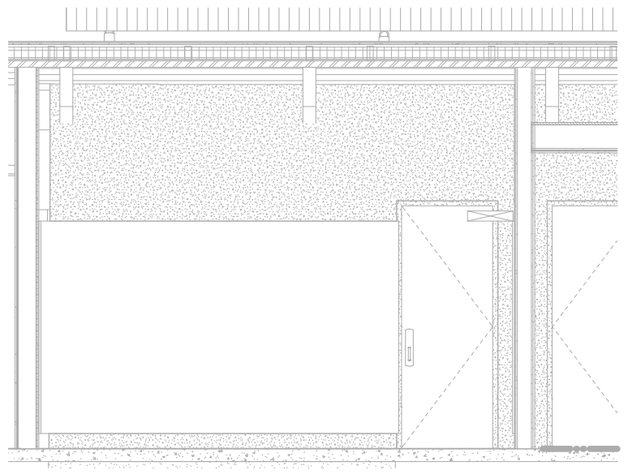
1. STRUCTURED CABLING AND RELATED INFRASTRUCTURE SHOWN THIS SHEET IS (E), U.O.N. PROTECT IN PLACE.

KEYNOTES	
AKN0001	(E) 3/4" FIRE TREATED PLY FROM 6" AFF TO UNDERSIDE OF CEILING.
EKN0001	(E) DUPLEX 120V CONVENIENCE RECEPTACLE MOUNTED TO FRONT FACE OF CABLETRAY.
EKN0003	(E) GROUND RACK AND CABLE TRAY PER NEC ARTICLE 250.
EKN0008	(E) TWO L6-30R, EA CONNECTED TO SEPARATE 30A CKTS MOUNTED TO SIDE OF CABLE TRAY AT EITHER SIDE OF EACH CABINET.
EKN0009	(E) TWO L5-20R, EA CONNECTED TO SEPARATE 20A CKTS MOUNTED TO SIDE OF CABLE TRAY AT EITHER SIDE OF EACH RELAY RACK.
EKN0011	2-20A CKTS HW IN SURF MTD BACKBOX AT +18" AFF FOR ACCESS CONTROL PANEL(S).
EKN0012	(E) 120V DUPLEX RECEPTACLE MOUNTED TO BACKBOARD FOR BROADBAND AMPLIFIER/ELECTRONICS.
TKN0234	(E) RACK TYPE R15, 2 POST SEISMIC RELAY RACK W/ VERTICAL WIRE MANAGERS
TKN0308	(E) RACK TYPE R28, SERVER/AV/NETWORK EQUIPMENT CABINET WITH VERTICAL WIRE MANAGER, 42" DEEP
TKN0431	(E) 18 CR RUN VERTICALLY, SUPPORTED FROM WALL.
TKN0446	(E) 18-4 CT SUPPORTED FROM CEILING AT 7'-6" AFF
TKN4001	(E) 18 CR PROVIDES SUPPORT FOR CABLING TRANSITION FROM HIGH PATHWAY ENTRTIES.

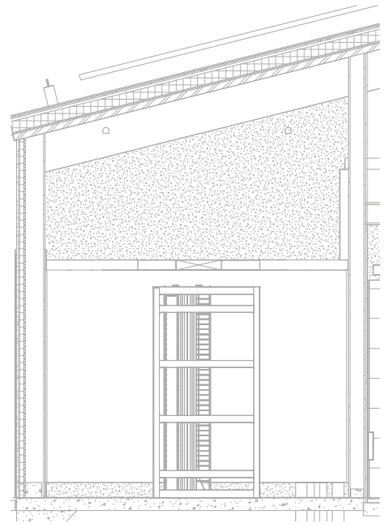
CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE



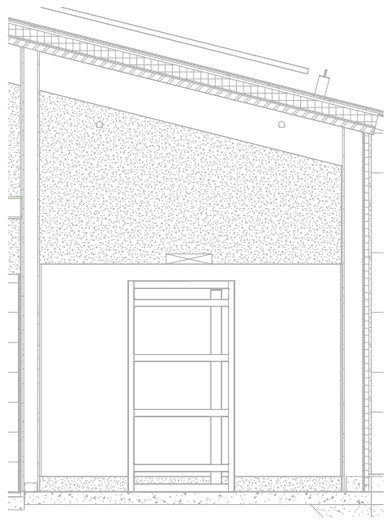
5 MDF/TR 1.0 - EAST ELEVATION
1/2" = 1'-0"



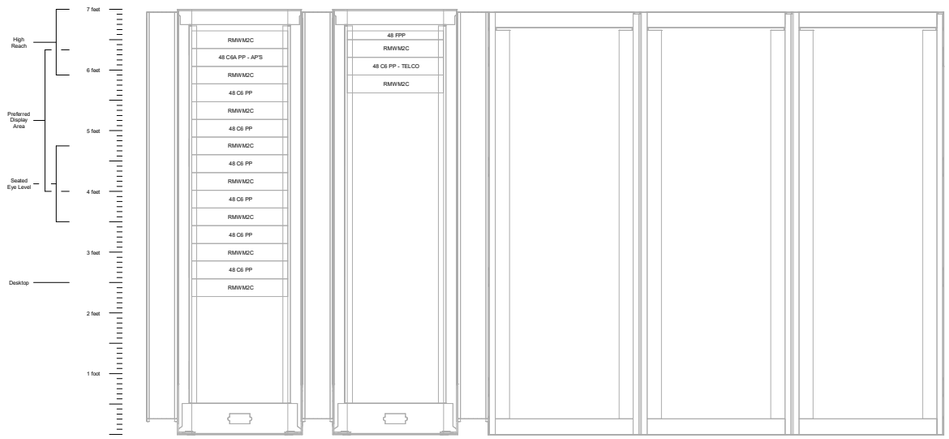
6 MDF/TR 1.0 - WEST ELEVATION
1/2" = 1'-0"



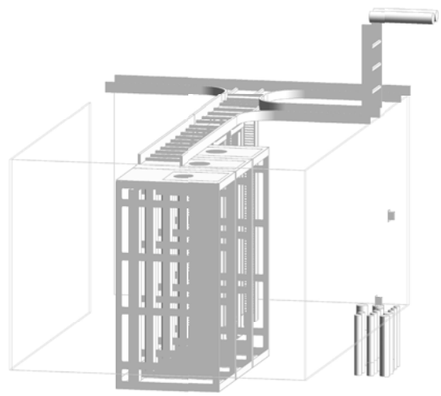
3 MDF/TR 1.0 - NORTH ELEVATION
1/2" = 1'-0"



4 MDF/TR 1.0 - SOUTH ELEVATION
1/2" = 1'-0"



8 MDF/TR 1.0 - RACK ELEVATION
1" = 1'-0"



7 MDF/TR 1.0 - 3D VIEW

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

SEAL

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
MDF/TR 1.0 - ENLARGED PLAN, RCP & ELEVATIONS

SHEET NUMBER
TN4-1

9/2/2023 3:37:34 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

KEYNOTES	
TKN1010	(E) (2) 4" C.
TKN1011	EXTEND 1" C FROM GENERATOR ACCESS CONTROL PATHWAY (SEE ELECTRICAL PLANS) TO ACCESSIBLE CEILING VOID.
TKN2013	STUB 3-2" FROM REAR OF CABLE ENTRANCE PANEL TO ACCESSIBLE CEILING SPACE ABOVE ROOM 115.
TKN2014	PROVIDE CABLE HOOK MEANS OF SUPPORT FOR LAARES RADIO CABLING BETWEEN CONDUIT SLEEVES AT 4' MAX O.C. ABOVE ACCESSIBLE CEILING. ROUTE TO MAXIMIZE FUTURE ACCESSIBILITY FROM BELOW BY FOLLOWING WALKING PATHS. ROUTE AROUND EXISTING ABOVE CEILING OBSTRUCTIONS.
TKN2015	PROVIDE 1.5" C MIN SLEEVES THROUGH ABOVE CEILING PARTITIONS. PROVIDE STC RATED ACOUSTICAL SEAL EQUIVALENT TO STI FIRESTOP 44NEZ.
TKN2016	STUB-UPS TO SLOPED ROOF ANTENNA WEATHERHEAD - REFER TO ARCHITECTURAL PLANS.

1 RCP - COMMUNICATIONS
1/8" = 1'-0"

8/2/2023 3:37:40 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

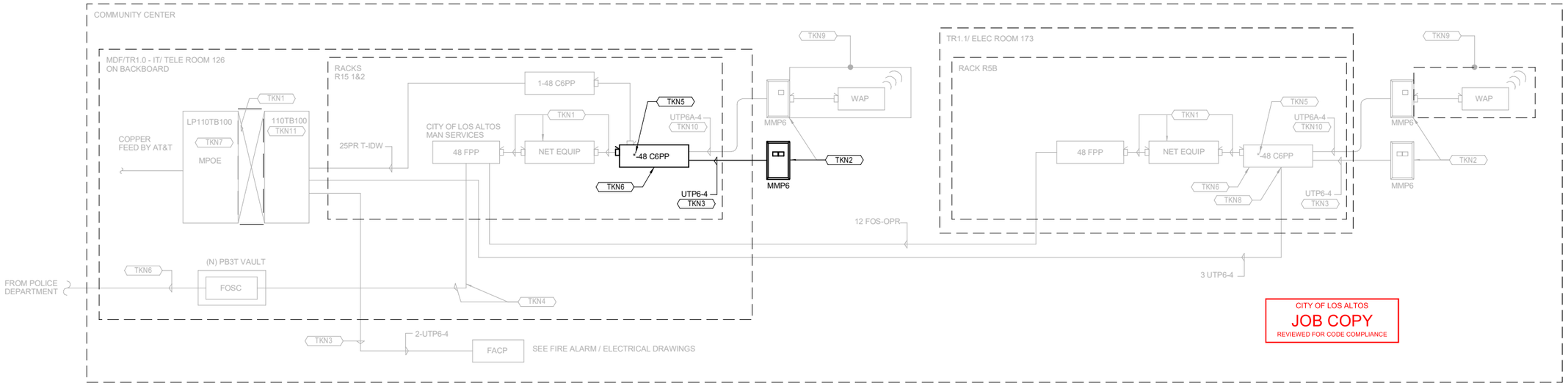
ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

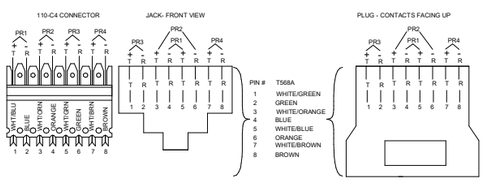
SHEET TITLE
RCP - COMMUNICATIONS

SHEET NUMBER
TN6-1



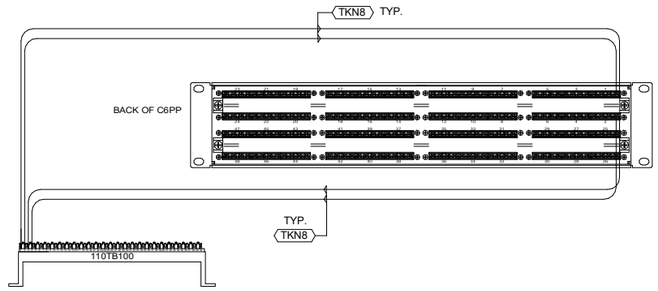
1 STRUCTURED CABLING SINGLE LINE DIAGRAM

NTS



2 T568A WIRING

NTS



3 110TB100 TO C6PP CROSS-CONNECT

NTS

KEYNOTES

TKN	TELECOMMUNICATIONS SYSTEMS: COMPLY WITH DIVISION 27.
TKN1	NETWORK ELECTRONICS, PATCH CORDS, PATCHING, AND CROSS-CONNECTIONS ARE CITY FURNISHED AND INSTALLED.
TKN2	PROVIDE WAO QUANTITY AS INDICATED ON THE PLANS AND SCHEDULES. REFER TO TY PLANS FOR THE LOCATIONS OF IP CAMERAS INSTALLED UNDER THE WORK OF DIV. 28 SERVED WITH STRUCTURED CABLING INSTALLED UNDER THE WORK OF DIVISION 27.
TKN3	CONTRACT DOCUMENTS DIAGRAMMATICALLY SHOW THAT THE BASIS OF DESIGN PATHWAYS EXTEND BELOW SLAB. AT CONTRACTOR'S OPTION, PATHWAYS MAY BE RELOCATED TO EXTEND ENTIRELY ABOVE SLAB PROVIDED THAT THEY REMAIN FULLY CONCEALED FROM THE PUBLIC AND MAINTAIN NO MORE THAN 270 DEGREES OF BEND BETWEEN PULL POINTS. CERTAIN STRUCTURED CABLING MANUFACTURER'S CONSTRUE PATHWAY BELOW SLAB AND ABOVE THE MOISTURE BARRIER AS A WET LOCATION AND WILL NOT WARRANTY THEIR CABLING FOR USE IN SUCH PATHWAY UNLESS A WATERBLOCKING CABLING CONSTRUCTION IS UTILIZED. WHERE CONTRACTOR SELECTS CABLING FROM A MANUFACTURER HAVING THIS POLICY, THE CONTRACTOR SHALL SUPPLY UTP4-6OP AND UTP4-6AOP CABLING FOR THE AFFECTED CONDITIONS AT NO ADDITIONAL COST TO THE CITY, INCLUDING FOR INCREASED PATHWAY SIZE WHERE REQUIRED TO ACCOMMODATE THE INCREASED CABLE DIAMETER.
TKN4	REFER TO KEYNOTES TKN1003 AND TKN1004 ON SHEET TN1.0. WORK OF THIS PROJECT PULLS BACK AND PROTECTS (E) CITY OF LOS ALTOS MAN FIBER IN (N) VAULT AS INDICATED. PROVIDE FOSC FIBER SPLICE CASE TO PROTECT FIBER FROM ELEMENTS DURING CONSTRUCTION. FOLLOWING COMPLETION OF (N) TR IN (N) COMMUNITY CENTER, WORK OF THE PROJECT EXTENDS (E) FIBER TO (N) COMMUNITY CENTER, TERMINATES AND TESTS EACH STRAND. IN THE EVENT INSTALLED CABLING CAN NOT BE EXTENDED TO LOCATION OF (N) TR, CONTRACTOR TO SPLICE (N) 12 FOS-OP TO (E) CABLE AT (N) VAULT AND EXTEND (N) CABLING TO (N) TR.
TKN5	REFER TO THE QUANTITY OF 24 PORT AND 48 PORT PATCH PANELS INDICATED IN THE DEVICE SCHEDULE.
TKN6	(E) CITY OF LOS ALTOS 12 STRAND SINGLE MODE OSP FIBER CONNECTING CITY PD MDF TO (E) MDF AT (E) COMMUNITY CENTER. REFER TO KEYNOTES TKN1003 AND TKN1004 ON SHEET TN1.0.
TKN7	MPOE CABLE AND LIGHTNING PROTECTOR IS BY AT&T. COORDINATE PLACEMENT IN TR.
TKN8	PROVIDE AT LEAST 2 PAIR (USOC INS 3,4,5,6) TERMINATED THROUGH FOR EACH JACK.
TKN9	CITY TO FURNISH AND INSTALL THE WIRELESS ACCESS POINTS (WAPS);
TKN10	PROVIDE UTP6A-4OP FOR WAO'S AT EXTERIOR ACCESS POINT LOCATIONS.
TKN11	PROVIDE UNDER THE WORK OF THE PROJECT.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
STRUCTURED CABLING SINGLE LINE DIAGRAM

SHEET NUMBER
TN7-1

8/2/2023 3:34:59 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

Plate Station No.	Room No.	Room Name	"F" Type Connector	Cat. 6 Jack Count	Access Point Jack Cat. 6a Jack Count	TOTAL FILL	Cat6 Ckt #1 Labeling	Cat6 Ckt #2 Labeling	Cat6 Ckt #3 Labeling	Cat6 Ckt #4 Labeling	Cat6 Ckt #5 Labeling	Cat6 Ckt #6 Labeling	"F" Connector Ckt Labeling	RG-6M FILL	Home Run Location	Notes
		FLOOR PLAN														
100-AA	100	LOBBY	1	2		2	0001	0002					B-1	1 RG-6M	IT/TELE ROOM 126	
100-AB			1	2		2	0003	0004					B-2	1 RG-6M	IT/TELE ROOM 126	
100-DA			0	2		2	0005	0006							IT/TELE ROOM 126	
100-EA			0	6		6	0007	0008	0009	0010	0011	0012			IT/TELE ROOM 126	
100-EB			0	6		6	0013	0014	0015	0016	0017	0018			IT/TELE ROOM 126	
100-WA			0	0	2	2	0019	0020							IT/TELE ROOM 126	
101-AA	101	SOUTH LOBBY	1	2		2	0021	0022					B-3	1 RG-6M	IT/TELE ROOM 126	
101-CA			1	2		2	0023	0024					B-4	1 RG-6M	IT/TELE ROOM 126	
101-WA			0	0	2	2	0025	0026							IT/TELE ROOM 126	
101-WB			0	2		2	0027	0028							IT/TELE ROOM 126	
102-AA	102	CAFÉ	0	4		4	0029	0030	0031	0032					IT/TELE ROOM 126	
102-CA			0	1		1	0033								IT/TELE ROOM 126	
104-WA	104	RECAP	1	0	2	2	0034	0035					B-5	1 RG-6M	IT/TELE ROOM 126	
105-BA	105	CONF.	1	2		2	0036	0037					B-6	1 RG-6M	IT/TELE ROOM 126	
105-BB			1	2		2	0038	0039					B-7	1 RG-6M	IT/TELE ROOM 126	
105-EA			0	4		4	0040	0041	0042	0043					IT/TELE ROOM 126	
110-BA	110	MP2	0	2		2	0044	0045							IT/TELE ROOM 126	
110-BB			0	2		2	0046	0047							IT/TELE ROOM 126	
110-DA			0	2		2	0048	0049							IT/TELE ROOM 126	
110-DB			0	2		2	0050	0051							IT/TELE ROOM 126	
110-EA			0	4		4	0052	0053	0054	0055					IT/TELE ROOM 126	
110-WA			0	0	2	2	0056	0057							IT/TELE ROOM 126	
115-BA	115	ADMIN	0	4		4	0058	0059	0060	0061					IT/TELE ROOM 126	
115-BB			0	4		4	0062	0063	0064	0065					IT/TELE ROOM 126	
115-CA			0	4		4	0066	0067	0068	0069					IT/TELE ROOM 126	
115-CB			0	4		4	0070	0071	0072	0073					IT/TELE ROOM 126	
115-DA			0	4		4	0074	0075	0076	0077					IT/TELE ROOM 126	
115-DB			0	4		4	0078	0079	0080	0081					IT/TELE ROOM 126	
115-DC			0	4		4	0082	0083	0084	0085					IT/TELE ROOM 126	
115-EA			0	4		4	0086	0087	0088	0089					IT/TELE ROOM 126	
115-EB			0	4		4	0090	0091	0092	0093					IT/TELE ROOM 126	
115-WA			0	0	2	2	0094	0095							IT/TELE ROOM 126	
115A-AA	115A	COFFEE	1	4		4	0096	0097	0098	0099			B-8	1 RG-6M	IT/TELE ROOM 126	
115A-CA			0	1		1	0100								IT/TELE ROOM 126	
115B-BA	115B	COPY	0	4		4	0101	0102	0103	0104					IT/TELE ROOM 126	
115B-CA			0	4		4	0105	0106	0107	0108					IT/TELE ROOM 126	
115B-EA			0	2		2	0109	0110							IT/TELE ROOM 126	
115B-EB			0	2		2	0111	0112							IT/TELE ROOM 126	
116-BA	116	OFFICE 1	0	2		2	0113	0114							IT/TELE ROOM 126	
116-DA			0	2		2	0115	0116							IT/TELE ROOM 126	
117-BA	117	OFFICE 2	0	2		2	0117	0118							IT/TELE ROOM 126	
117-DA			0	2		2	0119	0120							IT/TELE ROOM 126	
118-BA	118	OFFICE 3	0	2		2	0121	0122							IT/TELE ROOM 126	
118-DA			0	2		2	0123	0124							IT/TELE ROOM 126	
120-AA	120	MP1	0	1		1	0125								IT/TELE ROOM 126	
120-AB			0	6		6	0126	0127	0128	0129	0130	0131			IT/TELE ROOM 126	
120-AC			0	6		6	0132	0133	0134	0135	0136	0137			IT/TELE ROOM 126	
120-AD			0	6		6	0138	0139	0140	0141	0142	0143			IT/TELE ROOM 126	
120-BA			0	2		2	0144	0145							IT/TELE ROOM 126	
120-BB			0	6		6	0146	0147	0148	0149	0150	0151			IT/TELE ROOM 126	
120-CA			1	2		2	0152	0153					B-9	1 RG-6M	IT/TELE ROOM 126	
120-CB			1	2		2	0154	0155					B-10	1 RG-6M	IT/TELE ROOM 126	
120-CC			1	2		2	0156	0157					B-11	1 RG-6M	IT/TELE ROOM 126	
120-CD			0	2		2	0158	0159							IT/TELE ROOM 126	
120-CE			0	6		6	0160	0161	0162	0163	0164	0165			IT/TELE ROOM 126	
120-EA			0	6		6	0166	0167	0168	0169	0170	0171			IT/TELE ROOM 126	
120-EB			0	6		6	0172	0173	0174	0175	0176	0177			IT/TELE ROOM 126	
120-EC			0	6		6	0178	0179	0180	0181	0182	0183			IT/TELE ROOM 126	
120-WA			0	0	2	2	0184	0185							IT/TELE ROOM 126	
120A-DA	120A	STOR.	1	4		4	0186	0187	0188	0189			B-12	1 RG-6M	IT/TELE ROOM 126	
120A-WA			0	0	2	2	0190	0191							IT/TELE ROOM 126	
121-BA	121	MTG	0	2		2	0192	0193							IT/TELE ROOM 126	
121-DA			0	2		2	0194	0195							IT/TELE ROOM 126	
122-BA	122	MTG	0	2		2	0196	0197							IT/TELE ROOM 126	
122-DA			0	2		2	0198	0199							IT/TELE ROOM 126	
125-AA	125	ELEC	0	2		2	0200	0201							IT/TELE ROOM 126	
130-AA	130	SENIOR 1	0	2		2	0202	0203							IT/TELE ROOM 126	
130-BA			1	4		4	0204	0205	0206	0207			B-13	1 RG-6M	IT/TELE ROOM 126	
130-BB			0	2		2	0208	0209							IT/TELE ROOM 126	
130-CA			1	2		2	0210	0211					B-14	1 RG-6M	IT/TELE ROOM 126	
130-CB			0	1		1	0212								IT/TELE ROOM 126	
130-WA			0	0	2	2	0213	0214							IT/TELE ROOM 126	
140-AA	140	SENIOR 2 (LOUNGE)	0	2		2	0215	0216							IT/TELE ROOM 126	
140-CA			0	1		1	0217								IT/TELE ROOM 126	
140-CB			0	2		2	0218	0219							IT/TELE ROOM 126	
140-DA			1	2		2	0220	0221					B-15	1 RG-6M	IT/TELE ROOM 126	
140-EA			0	4		4	0222	0223	0224	0225					IT/TELE ROOM 126	
140-WA			0	0	2	2	0226	0227							IT/TELE ROOM 126	
150-BA	150	COMMUNITY ROOM	0	1		1	0228								IT/TELE ROOM 126	
150-CA			0	6		6	0229	0230	0231	0232	0233	0234			IT/TELE ROOM 126	
150-CA			0	6		6	0235	0236	0237	0238	0239	0240			IT/TELE ROOM 126	
150-CB			0	6		6	0241	0242	0243	0244	0245	0246			IT/TELE ROOM 126	
150-CB			0	6		6	0247	0248	0249	0250	0251	0252			IT/TELE ROOM 126	
150-DA			0	6		6	0253	0254	0255	0256	0257	0258			IT/TELE ROOM 126	
150-DA			0	6		6	0259	0260	0261	0262	0263	0264			IT/TELE ROOM 126	
150-DB			0	6		6	0265	0266	0267	0268	0269	0270			IT/TELE ROOM 126	
150-DB			0	6		6	0271	0272	0273	0274	0275	0276			IT/TELE ROOM 126	
150-DC			0	1		1	0277								IT/TELE ROOM 126	
150-EA			0	4		4	0278	0279	0280	0281					IT/TELE ROOM 126	
150-WA			0	0	2	2	0282	0283							IT/TELE ROOM 126	
150-WB			0	0	2	2	0284	0285							IT/TELE ROOM 126	
150-WC			0	0	2	2	0286	0287							IT/TELE ROOM 126	
150-WD			0	0	2	2	0288	0289							IT/TELE ROOM 126	
155-AA	155	STOR.	1	4		4	0290	0291	0292	0293			B-16	1 RG-6M	IT/TELE ROOM 126	
157-AA	157	ELEC.	0	4		4	0294	0295	0296	0297					IT/TELE ROOM 126	
160-BA	160	MP3	0	2		2	0298	0299							IT/TELE ROOM 126	
160-BB			0	1		1	0300								IT/TELE ROOM 126	
160-CA			0	2		2	0301	0302							IT/TELE ROOM 126	
160-CB			1	2		2	0303	0304					B-17	1 RG-6M	IT/TELE ROOM 126	
160-CC			0	2		2	0305	0306							IT/TELE ROOM 126	
160-DA			0	2		2	0307	0308							IT/TELE ROOM 126	
160-WA			0	0	2	2	0309	0310							IT/TELE ROOM 126	

Plate Station No.	Room No.	Room Name	"F" Type Connector	Cat. 6 Jack Count	Access Point Jack Cat. 6a Jack Count	TOTAL FILL	Cat6 Ckt #1 Labeling	Cat6 Ckt #2 Labeling	Cat6 Ckt #3 Labeling	Cat6 Ckt #4 Labeling	Cat6 Ckt #5 Labeling	Cat6 Ckt #6 Labeling	"F" Connector Ckt Labeling	RG-6M FILL	Home Run Location	Notes
165-AA	165	KINDERPREP	1	2		2	0311	0312					B-18	1 RG-6M	IT/TELE ROOM 126	
165-BA			0	2		2	0313	0314							IT/TELE ROOM 126	
165-CA			0	1		1	0315								IT/TELE ROOM 126	
165-CB			0	2		2	0316	0317							IT/TELE ROOM 126	
165-DA			0	2		2	0318	0319							IT/TELE ROOM 126	
165-DB			0	2		2	0320	0321							IT/TELE ROOM 126	
165-WA			0	0	2	2	0322	0323							IT/TELE ROOM 126	
170-BA	170	ARTS & CRAFTS	0	2		2	0324	0325							IT/TELE ROOM 126	
170-BB			0	2		2	0326	0327							IT/TELE ROOM 126	
170-CA			0	2		2	0328	0329							IT/TELE ROOM 126	
170-DA			0	1		1	0330								IT/TELE ROOM 126	
170-WA			0	0	2	2	0331	0332							IT/TELE ROOM 126	
173-AA	173	ELEC	0	2		2	0333	0334							IT/TELE ROOM 126	
180-AA	180	TEEN	0	4		4	0335	0336	0337	0338					ELEC ROOM 173	
180-BA			0	4		4	0339	0340	0341	0342					ELEC ROOM 173	
180-BB			1	4		4	0343	0344	0345	0346			B-19	1 RG-6M	ELEC ROOM 173	
180-BC			0	4		4	0347	0348	0349	0350					ELEC ROOM 173	
180-CA			0	1		1	0351								ELEC ROOM 173	
180-DA			0	4		4	0352	0353	0354	0355					ELEC ROOM 173	
190-AA	190	EXERCISE	0	2		2	0356	0357							ELEC ROOM 173	
190-BA			0	2		2	0358	0359							ELEC ROOM 173	
190-BB			0	2		2	0360	0361							ELEC ROOM 173	
190-CA			0	1		1	0362								ELEC ROOM 173	
190-DA			0	2		2	0363	0364							ELEC ROOM 173	
190-DB			0	4		4	0365	0366	0367	0368					ELEC ROOM 173	
190-WA			0	0	2	2	0369	0370							ELEC ROOM 173	
EXT-WA	EXT	EXTERIOR	0	0	2	2	0371	0372							IT/TELE ROOM 126	
EXT-WB			0	0	2	2	0373	0374							IT/TELE ROOM 126	
EXT-WC			0	0	2	2	0375	0376							IT/TELE ROOM 126	
EXT-WD			0	0	2	2	0377	0378							IT/TELE ROOM 126	
EXT-ZA			0	1	0	1	0379								IT/TELE ROOM 126	
EXT-ZB			0	1	0	1	0380								IT/TELE ROOM 126	
EXT-ZC			0	1	0	1	0381								IT/TELE ROOM 126	
EXT-ZD			0	1	0	1	0382								IT/TELE ROOM 126	
		TOTAL FOR IT/TELE ROOM 126	18	306	40	346							18	18		
		Min. 48 port patch panel req.		6	1	7										
		TOTAL FOR ELEC ROOM 173	1	34	2	36							1	1		
		Min. 48 port patch panel req.		1	1	1										
		TOTALS	19	340	42	382							19	19		
		Min. 48 port patch panel req.		7	1	8										

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

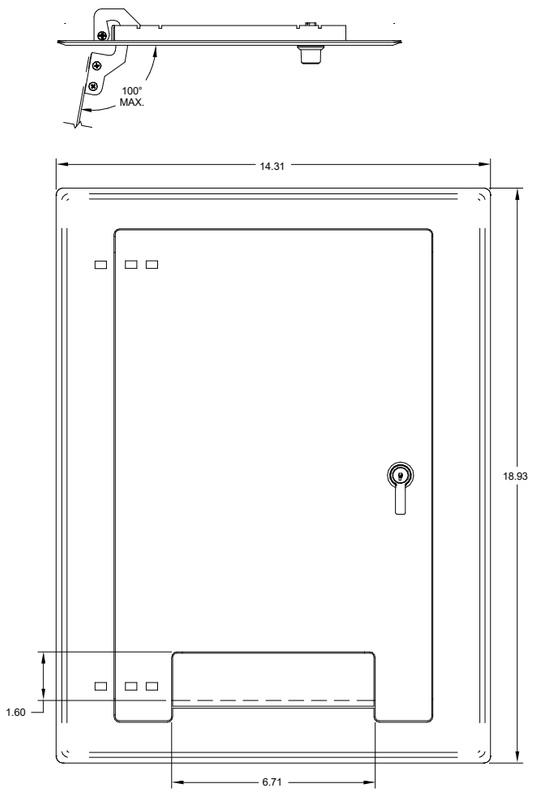
SHEET TITLE
DEVICE SCHEDULE

SHEET NUMBER
TN8-1

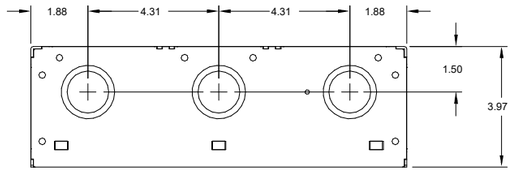
Autodesk Docs://Los Altos EOC/CoLA-EOC_AV-IT_Central_2023.rvt
8/2/2023 3:35:00 PM

KEYNOTES

TKN	TELECOMMUNICATIONS SYSTEMS: COMPLY WITH DIVISION 27.
TKN1	FASTEN IN PLACE AND PROVIDE A WATERTIGHT SEAL AT THE PERIMETER PER THE MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH THE REQUIREMENTS OF DIV 4 THROUGH 10.
TKN2	PROVIDE PORT MANUFACTURER'S BOOT ASSEMBLY AS REQUIRED TO MATCH COUNTY'S INITIAL RADIO CABLE COUNT. MATCH BOOT OPENING DIAMETER(S) TO DIAMETER OF COUNTY CABLING. PROVIDE BOOTS WITH MULTIPLE OPENINGS WHERE DIRECTED BY COUNTY'S REPRESENTATIVE.
TKN3	PROVIDE MANUFACTURER'S SNAP-IN ENTRY PORT CAP AT UNUSED OPENINGS.



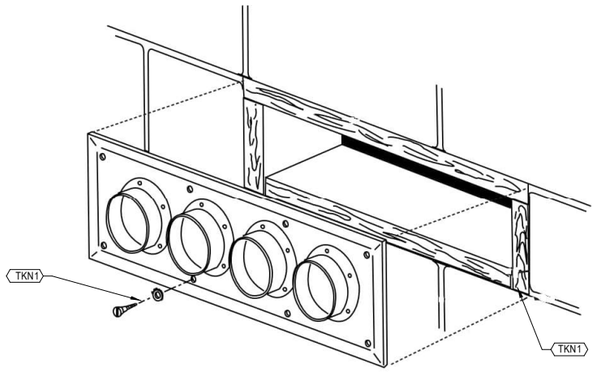
1A FRONT VIEW
2"=1'-0"



1B TOP VIEW
2"=1'-0"

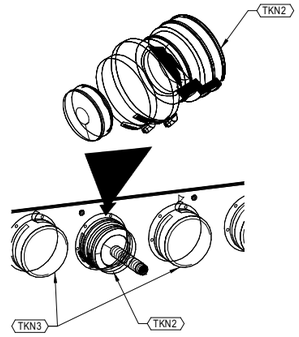
CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

1 MPB3 - WALL PANEL BOX
MEDIA PATCH BOX TYPE 3 - MPB3 2"=1'-0"



TYPICAL INSTALLATION DETAIL IS FOR FOUR PORT ASSEMBLY - PROVIDE THREE PORT VERSION OF ASSEMBLY

2 3 PORT RADIO FEED THROUGH FITTING
PROVIDE EQUIVALENT TO COMMSCOPE #204673-3 2"=1'-0"



REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

3 RADIO FEED PORT BOOT AND CAP ASSEMBLIES
NTS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

APPROVALS

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
DETAILS - WALL BOX AND RADIO FEED THROUGH PANEL

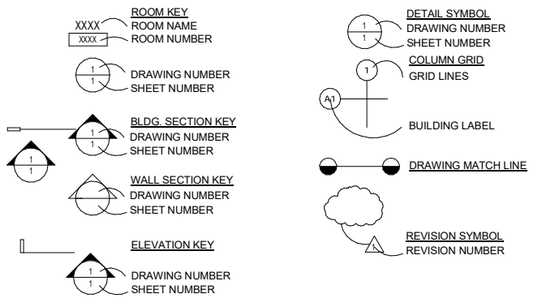
SHEET NUMBER
TN9-1

8/2/2023 3:55:00 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt

ELECTRONIC SECURITY SYSTEMS GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
2. PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON ELECTRONIC SECURITY SYSTEMS (TY) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM . PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
3. PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY.
4. LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
5. DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
6. QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
7. QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
8. LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.
9. NOT USED.
10. WIRING FOR THE WORK OF ELECTRONIC SECURITY SYSTEMS IS NOT PERMITTED TO SHARE CONDUIT, SLEEVES OR J-HOOKS WITH WIRING FOR WORK OF DIVISION 27. MAINTAIN AT LEAST 2 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 3 INCHES OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

GENERAL SYMBOLS

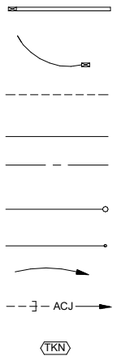


MATERIAL & EQUIPMENT LEGEND

1IDP	1" INNERDUCT, PLENUM RATED
2IDP	2" INNERDUCT, PLENUM RATED
C5ePP	CATEGORY 5e PATCH PANEL
C6PP	CATEGORY 6 PATCH PANEL.
FOH-P	FIBER OPTIC CABLE HYBRID, PLENUM RATED
FOH-OPR	FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED
FOM-OPR	FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED
FOS-OPR	FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED
FPP	FIBER PATCH PANEL
FSC	FIBER SPLICE CLOSURE
FSP	FIBER SPLICE PANEL
FTB	FIBER TERMINAL BOX
IDF	INTERMEDIATE DISTRIBUTION FACILITY
MDF	MAIN DISTRIBUTION FACILITY.
MM	MULTI MODE OPTICAL FIBER
MMP	MULTIMEDIA PLATE
OSP	OUTSIDE PLANT
SM	SINGLE MODE OPTICAL FIBER
UTP5e-4	UNSHIELDED TWISTED PAIR, CAT. 5e
UTP5e-4P	UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM
UTP5e-4OP	UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT
UTP6-4	UNSHIELDED TWISTED PAIR, CAT. 6
UTP6-4P	UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM
UTP6-4OP	UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT
110TBXX	110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS
110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS
TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.

NOTE:
SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT TYPES REFER TO SPECIFICATIONS.

LEGEND



SURFACE RACEWAY.
FOR COMMUNICATIONS AND POWER SYSTEM PROVIDED UNDER DIV. 26.

MARK INDICATES RACEWAY DROP FROM CEILING. COORDINATE EXACT LOCATION WITH DIV. 26 PLANS.

NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 28 05 13.

NEW WIRE AND/OR CABLE INSIDE NEW CONDUIT WALLS OR IN CEILING .

NEW WIRE AND/OR CABLE IN (N) UNDERGROUND CONDUIT. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 28 05 13.

CABLE/RACEWAY TURNS UP

CABLE/RACEWAY TURNS DOWN

HOME RUN

CONDUIT TO CABLE TRANSITION POINT

KEYNOTES

JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	(INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	6
J7	18	18	8
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8

SUFFIX:

NONE - NEMA 1
A - NEMA 12
B - NEMA 3R
C - NEMA 4
D - NEMA 4X

EXAMPLE: J16C= 30"H X 30"W X 8"D HINGED NEMA 4 JBOX.

NOTE 1

ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

ABBREVIATIONS

1SR-1	SINGLE CHAMBER SURFACE RACEWAY
3SR-2.5	THREE CHAMBER SURFACE RACEWAY
A.D.A.	AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C.	BELOW FINISHED CEILING
BLDG.	BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED	DEDUCTIVE
⌀, DIA.	DIAMETER
DIV	DIVISION
(E)	EXISTING
EA.	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE
H.R.	HOME RUN
HT.	HEIGHT
J, JBOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODULAR
MON.	MONUMENT
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
PNL.	PANEL
PROJ.	PROJECT
P.S.R.H	PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N.
P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO ℄ U.O.N.
RE:	REFER TO
REF.	REFERENCE
SIM.	SIMILAR
SM	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC	SPECIFICATION
S.R.	SURFACE RACEWAY
STD	STANDARD
STP	SHIELDED TWISTED PAIR
T.C.	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELCOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TP	TWISTED PAIR
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHERPROOF

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

SYMBOL SCHEDULE

SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
	WALL SLEEVE	PATHWAY	INDICATED	28 05 28	N/A	R11					
F	CCTV CAMERA, FIXED FOCUS, TCP/IP, EXTERIOR WITH BRACKET ARM.	VISUAL SURVEILLANCE	REFER TO ELECTRICAL DRAWING E4-1	28 05 28 28 23 00	FLUSH CAST 5S BOX. 1 G. RING	R5	+9' AFF	IT/TELE ROOM 126	WHITE	2	4/TY9-1

NOTE NO.	DEVICE NOTES
	RACEWAY NOTES
R1	1/2" C. H.R. TO NEAREST IDS TERMINAL CABINET
R2	3/4" C. H.R. TO NEAREST IDS TERMINAL CABINET
R3	1" C. H.R. TO NEAREST IDS TERMINAL CABINET
R4	AS DETAILED AND/OR SCHEDULED
R5	3/4" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
R6	1" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
R7	1-1/4" C. H.R. TO ACCESSIBLE CEILING OR FLOOR, OR TO SERVING BDF, IDF OR EQUIPMENT ROOM, U.O.N.
R8	NOT USED
R9	NOT USED
R10	NOT USED
R11	UNLESS OTHERWISE SHOWN, PROVIDE 1.5" EMT SLEEVE, WITH INSULATED THROAT BUSHING AT EACH END, STUBBED OUT 4 INCHES FROM FACE OF WALL, AT ELEVATION APPROXIMATELY 6 INCHES ABOVE ACCESSIBLE CEILING. INSTALL SLEEVE IN AN ACCESSIBLE LOCATION AS DEFINED IN CALIFORNIA ELECTRICAL CODE, ARTICLE 100 DEFINITIONS. PROVIDE FIRESTOPPING UNDER WORK OF SECTION 28 05 28. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 28 05 26.

ACCESSIBLE CEILING IS A T-BAR OR SIMILAR GRID BASED, PANELIZED REMOVEABLE CEILING MEETING THE DEFINITION FOR ACCESSIBLE WIRING METHODS IN ARTICLE 100 OF THE CALIFORNIA ELECTRICAL CODE.

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

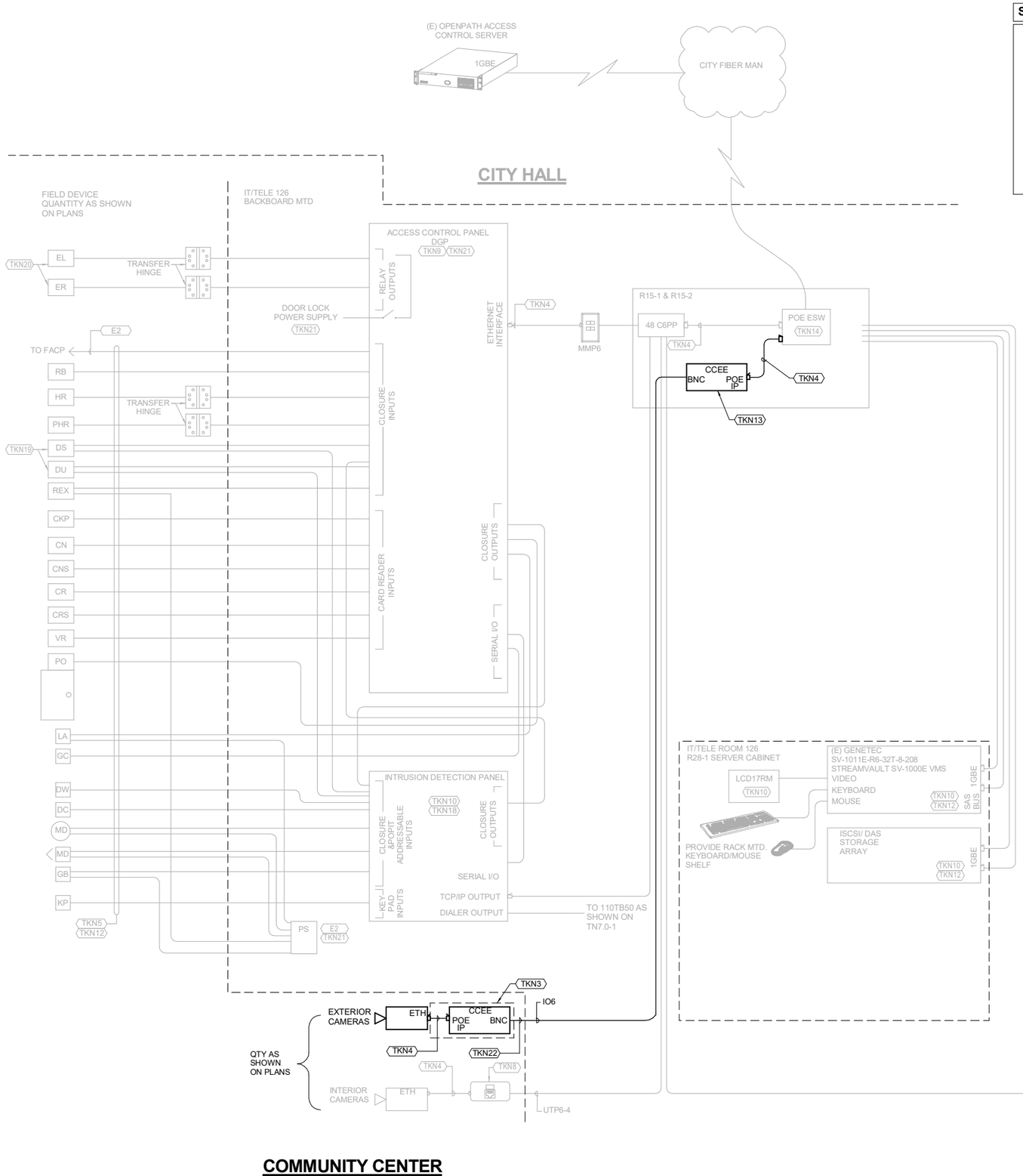
REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES, LEGEND, SYMBOL, ABBREVIATIONS, JUNCTION BOX & SYMBOL SCHEDULES

SHEET NUMBER
TY0-1

8/2/2023 3:55:01 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt



SHEET NOTES

1. SINGLE DIAGRAM IS DIAGRAMMATIC. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING EXACT QTY AND LOCATION OF ACCESS CONTROL PANELS AND RELATED HARDWARE REQUIRED TO MEET THE FUNCTIONAL REQUIREMENTS OF THE PROJECT.
2. PROVIDE BATTERY BACKUP (UPS AND/OR PANEL MOUNTED BATTERY) TO SUPPORT OPERATIONS OF THE BACKBOARD MOUNTED PORTIONS OF THE ELECTRONIC SECURITY SYSTEMS FOR AT LEAST 20 MIN. FOLLOWING LOSS OF POWER, INCLUDING CARD READERS, ACCESS CONTROL (DGP) AND IDS PANELS, ELECTRIC LOCKS AND FIELD MONITORING DEVICES. REFER TO KEYNOTE TN10 FOR THE BACKUP REQUIREMENTS FOR THE RACK MOUNT SERVER COMPONENTS WHICH ARE SUPPORTING BOTH BUILDINGS.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

KEYNOTES

TKN	ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISIONS 28.
TKN1	LOW VOLTAGE POWER REQUIRED VARIES WITH DEVICE MANUFACTURER.
TKN2	DEVICE QUANTITY AS INDICATED ON THE PLANS.
TKN3	LOCATE TRANSCEIVER IN CAMERA WALL MOUNT ARM VOID, OR IN BACKBOX AS REQUIRED. PROVIDE SUPPLEMENTAL NEMA 4 WEATHERPROOF PULL BOX AT GENERATOR ENCLOSURE IF REQUIRED TO HOUSE TRANSCEIVER.
TKN4	CAT6 PATCH CORDS. PROVIDE QTY. AS REQUIRED.
TKN5	PROVIDE CABLE GAUGE AS REQUIRED TO SUIT DEVICE, VOLTAGE OF POWER SUPPLY AND RUN LENGTH IN ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS. AT UNDERGROUND CONDITIONS, PROVIDE CABLING SUITABLE TO EXPOSURE TO CONTINUOUS STANDING WATER.
TKN6	STRUCTURED CABLING IS WORK OF DIVISION 27.
TKN7	DUPLEX FIBER OPTIC PATCH CORDS. PROVIDE QTY. AS REQUIRED.
TKN8	MMP6 MOUNTED TO SURFACE MTD BACKBOX OR EQUIVALENT USING SPECIFIED JACKS MTD IN 'BISCUIT BOX' MECHANICALLY FASTENED TO INTERIOR OF ENCLOSURE. WHERE CIRCUIT REQUIRES FIBER CONNECTIVITY, PROVIDE LC CONNECTOR, OTHERWISE PROVIDE CAT6 RJ45.
TKN9	PROVIDE QTY AS REQUIRED.
TKN10	PROVIDE UNINTERRUPTIBLE POWER BACKUP FOR ENTIRE SYSTEM FOR UP TO 4 HOURS OPERATION FOLLOWING LOSS OF POWER.
TKN11	PROVIDE AUXILIARY CAMERA POWER AS REQUIRED WHERE CAMERA IS NOT DESIGNED TO OPERATE ON POE POWER ALONE INCLUDING ALL PTZ AND ALL EXTERIOR CAMERAS, WHICH SHALL BE PROVIDED WITH INTEGRAL HEATERS.
TKN12	WHERE PATHWAY IS UNDERGROUND, PROVIDE THWN OR EQUIVALENT UNDERGROUND RATED CABLING AS SPECIFIED IN DIVISION 26 FOR SIM APPLICATIONS. SELECT GAUGE TO SUIT RUN LENGTHS.
TKN13	SECURE TO RACK OR BACKBOARD AS DIRECTED BY THE CITY'S REPRESENTATIVE.
TKN14	CITY FURNISHED
TKN15	REFER TO TN6-1 FOR ACCESSIBLE CEILING AS WELL AS NEW AND (E) CEILING PATHWAYS.
TKN16	UTP6-4OP.
TKN17	THWN OR EQUIVALENT UNDERGROUND RATED CABLING AS SPECIFIED IN DIVISION 26 FOR SIM APPLICATIONS. SELECT GAUGE TO SUIT RUN LENGTHS.
TKN18	PROVIDE A SEPARATE INTRUSION DETECTION SUBSYSTEM WHERE ACCESS CONTROL SYSTEM IS NOT UL 1076 LISTED AS A BURGLAR ALARM.
TKN19	WHERE INTRUSION DETECTION PROVIDED BY A SEPARATE SUBSYSTEM THAN ACCESS CONTROL, DOOR POSITION SWITCHES HAVE DPDT OUTPUT. WIRE A SEPARATE PAIR FROM EACH OUTPUT TO THE ACCESS CONTROL AND THE INTRUSION DETECTION PANEL.
TKN20	WHERE INSTALLED ELECTRIC LOCKING HARDWARE PROVIDES LATCH RETRACTION MONITORING, PROVIDE CONDUCTORS AND DGP MONITORING POINTS AND DGP PROGRAMMING AS REQUIRED TO MONITOR LATCH STATUS.
TKN21	REFER TO SHEET NOTE 2. FOR POWER BACK-UP REQUIREMENTS.
TKN22	REFER TO ELECTRICAL SITE PLANS FOR GENERATOR ACCESS CONTROL PATHWAY TO BE USED TO PULL IN THE VISUAL SURVEILLANCE CABLING.

COMMUNITY CENTER

1 ELECTRONIC SECURITY SYSTEMS SINGLE LINE DIAGRAM

NTS

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

APPROVALS

SEAL

PROJECT TITLE

City of Los Altos
Los Altos CC EOC

97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE

PERMIT SET

ISSUE DATE	AUG 03, 2023
NOLL & TAM JOB NUMBER	22203

REVISIONS

	DATE	DESCRIPTION

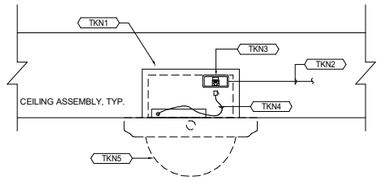
SHEET TITLE

ACCESS & INTRUSION DETECTION SYSTEM SINGLE LINE DIAGRAM

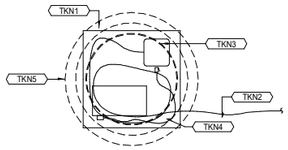
SHEET NUMBER

TY7-1

8/2/2023 3:35:02 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt



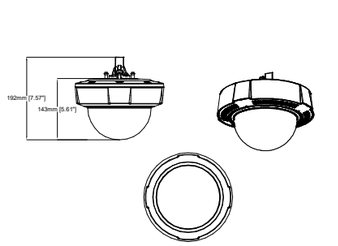
1A SIDE VIEW
NTS



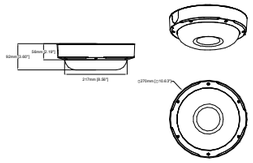
1B TOP VIEW
NTS

1 IP CAMERA WIRING DETAIL
NTS

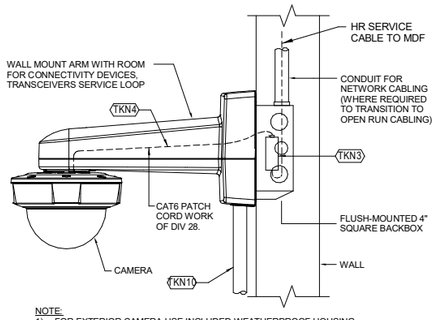
CATEGORY MEDIA STATION CABLING TO IP CAMERAS TO TERMINATE AT PERMANENT ENCLOSURE/JACK ASSEMBLY, AND A PATCH CORD SHALL BE USED TO MAKE THE CONNECTION FROM THE PERMANENTLY INSTALLED JACK TO THE CAMERA.



TYPICAL 180 DEGREE VIEW IP CAMERA ASSEMBLY
2
NTS

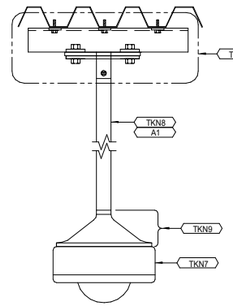


TYPICAL 360 DEGREE VIEW IP CAMERA ASSEMBLY
3
NTS



NOTE:
1) FOR EXTERIOR CAMERA USE INCLUDED WEATHERPROOF HOUSING.

4 CAMERA WALL MOUNT ARM TYP.
NTS



5 IP CAMERA PENDANT MOUNT
INTERIOR CEILING/STRUCTURE MOUNTED.
NTS

KEYNOTES

TKN	COMMUNICATIONS AND ELECTRONIC SECURITY SYSTEMS. COMPLY WITH DIVISIONS 27 AND 28.
TKN1	5S TYPE ELECTRICAL BACKBOX EQUAL TO RANDL INDUSTRIES T-55017 WHERE SURFACE MOUNT OF IP CAMERA TO FLUSH MOUNT BACKBOX WITH INTEGRAL STRUCTURED CABLING BISCUIT BOX REQUIRED. PROVIDE EXTERIOR GRADE BOX AT EXTERIOR CONDITIONS AS REQUIRED BY SECTION 28 05 28 - PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY
TKN2	CATEGORY 6 STATION CABLING BY DIVISION 27.
TKN3	AT INTERIOR, SMALL FORM FACTOR MULTIMEDIA ENCLOSURE SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL CATEGORY 6 JACK FOR TERMINATION OF STATION CABLING. OMIT AT SITE CAMERAS SERVED BY IO6 COAX CABLING AND LOCATE CCEE IN BACKBOX OR IN WALL MOUNT ARM COMPARTMENT, AS REQUIRED.
TKN4	CATEGORY 6 PATCH CORD PROVIDE LENGTH AS REQUIRED. WHERE CAMERA IS MOUNTED TO BACKBOX, COIL INSIDE BACKBOX.
TKN5	SURFACE MOUNT IP CAMERA SUPPORTED FROM FLUSH MOUNTED BACKBOX.
TKN6	PROVIDE EQUAL TO CHIEF MANUFACTURING CMA110, 8" X 8" STEEL PLATE CEILING PLATE FITTING WITH 1" NPT PIPE THREAD ADAPTER.
TKN7	IP SECURITY CAMERA.
TKN8	1" NPT PIPE THREADED FOR PENDENT MOUNTING FROM STRUCTURE ABOVE.
TKN9	CAMERA MANUFACTURER'S PENDANT MOUNT ADAPTER
TKN10	WHERE SURFACE MOUNTED CONDUIT ENTERS SURFACE MOUNTED BACKBOX, OR WALL MOUNT ARM WITH INTEGRAL DEVICE BOX EQUIVALENT TO AXIS T91H61, CONDUIT TO ENTER FROM BELOW TO PREVENT WATER PENETRATION OF DEVICE BOX.

CITY OF LOS ALTOS
JOB COPY
REVIEWED FOR CODE COMPLIANCE

REVIEWED
FOR CODE COMPLIANCE
January 5, 2024
TRB AND ASSOCIATES

APPROVALS

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

PROJECT TITLE
City of Los Altos
Los Altos CC EOC
97 Hillview Ave.
Los Altos, CA 94022

ISSUE TITLE
PERMIT SET

ISSUE DATE AUG 03, 2023
NOLL & TAM JOB NUMBER 22203

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
ESS DETAILS - CAMERA DETAILS

SHEET NUMBER
TY9-1

8/2/2023 3:35:03 PM Autodesk Docs://Los Altos EOC/COLA-EOC_AV-IT_Central_2023.rvt